

Index

1. **Mondo Style – The company** / Das Unternehmen / Azienda / Firma

2. **Certificates** / Prüfzeugnisse / *Certificati* / Certificări

3. **General informations** / Allgemeine Informationen / *Informazioni generali* / Informații generale

4. Performer 74



- 4.1 System description / Systembeschreibung / *Descrizione del sistema* / Descrierea sistemului
- 4.2 Test Certificates / Prüfzeugnisse / *Certificati di prova* / Certificări
- 4.3 Overview of profiles / Produktübersicht / *Sommario profili* / Descriere profile
- 4.4 Sectional window drawings / Fensterschnitte / *Sezioni finestre* / Secțiuni ferestre
- 4.5 Additional Profiles / Zusatzprofile / *Profili aggiuntivi* / Profile auxiliare
- 4.6 Window statics / Bemessungsdiagramme / *Campi d'applicazione* / Dimensiuni maxime
- 4.7 Glazing / Verglasung / *Vetraggio* / Vitraje

5. Rondo



- 5.1 System description / Systembeschreibung / *Descrizione del sistema* / Descrierea sistemului
- 5.2 Test Certificates / Prüfzeugnisse / *Certificati di prova* / Certificări
- 5.3 Overview of profiles / Produktübersicht / *Sommario profili* / Descriere profile
- 5.4 Sectional window drawings / Fensterschnitte / *Sezioni Finestre* / Secțiuni Ferestre
- 5.5 Sectional door drawings / Türschnitte/ *Sezioni Porta* / Secțiuni Ușă
- 5.6 Additional Profiles / Zusatzprofile / *Profili aggiuntivi* / Profile auxiliare
- 5.7 Window statics / Bemessungsdiagramme / *Campi d'applicazione* / Dimensiuni maxime
- 5.8 Glazing / Verglasung / *Vetraggio* / Vitraje
- 5.9 Drainage and Ventilation / Entlüftung und Entwässerung / *Drenaggio e ventilazione* / Drenajul și ventilarea

6. Style 76



- 6.1 System description / Systembeschreibung / *Descrizione del sistema* / Descrierea sistemului
- 6.2 Test Certificates / Prüfzeugnisse / *Certificati di prova* / Certificări
- 6.3 Overview of profiles / Produktübersicht / *Sommario profili* / Descriere profile
- 6.4 Sectional window drawings / Fensterschnitte / *Sezioni Finestre* / Secțiuni Ferestre
- 6.5 Sectional door drawings / Türschnitte/ *Sezioni Porta* / Secțiuni Ușă
- 6.6 Additional Profiles / Zusatzprofile / *Profili aggiuntivi* / Profile auxiliare
- 6.7 Window statics / Bemessungsdiagramme / *Campi d'applicazione* / Dimensiuni maxime
- 6.8 Glazing / Verglasung / *Vetraggio* / Vitraje
- 6.9 Drainage and Ventilation / Entlüftung und Entwässerung / *Drenaggio e ventilazione* / Drenajul și ventilarea

7. Style 76 Aluclip



- 7.1 Overview of profiles / Produktübersicht / *Sommario profili* / Descriere profile
- 7.2 Sectional window drawings / Fensterschnitte / *Sezioni Finestre* / Secțiuni Ferestre
- 7.3 Sectional door drawings / Türschnitte/ *Sezioni Porta* / Secțiuni Ușă
- 7.4 Additional Profiles / Zusatzprofile / *Profili aggiuntivi* / Profile auxiliare
- 7.5 Drainage and Ventilation / Entlüftung und Entwässerung / *Drenaggio e ventilazione* / Drenajul și ventilarea
- 7.6 Climatec76

8. Pasiv 82



- 8.1 System description / Systembeschreibung / *Descrizione del sistema* / Descrierea sistemului
- 8.2 Test Certificates / Prüfzeugnisse / *Certificati di prova* / Certificări
- 8.3 Overview of profiles / Produktübersicht / *Sommario profili* / Descriere profile
- 8.4 Sectional window drawings / Fensterschnitte / *Sezioni Finestre* / Secțiuni Ferestre
- 8.5 Sectional door drawings / Türschnitte/ *Sezioni Porta* / Secțiuni Ușă
- 8.6 Additional Profiles / Zusatzprofile / *Profili aggiuntivi* / Profile auxiliare
- 8.7 Window statics / Bemessungsdiagramme / *Campi d'applicazione* / Dimensiuni maxime
- 8.8 Glazing / Verglasung / *Vetraggio* / Vitraje
- 8.9 Drainage and Ventilation / Entlüftung und Entwässerung / *Drenaggio e ventilazione* / Drenajul și ventilarea

9. KUBUS



- 9.1 System description / Systembeschreibung / *Descrizione del sistema* / Descrierea sistemului
- 9.2 Test Certificates / Prüfzeugnisse / *Certificati di prova* / Certificări
- 9.3 Overview of profiles / Produktübersicht / *Sommario profili* / Descriere profile
- 9.4 Sectional drawings / Fensterschnitte / *Sezioni Finestre* / Secțiuni Ferestre
- 9.5 Additional Profiles / Zusatzprofile / *Profili aggiuntivi* / Profile auxiliare
- 9.6 Window statics / Bemessungsdiagramme / *Campi d'applicazione* / Dimensiuni maxime

10. Premidoor 76



- 10.1 System description / Systembeschreibung / *Descrizione del sistema* / Descrierea sistemului
- 10.2 Opening modes / Systemmerkmale / *Caratteristiche del sistema* / Caracteristici Sistem
- 10.3 Test Certificates / Prüfzeugnisse / *Certificati di prova* / Certificări
- 10.4 Overview of profiles / Produktübersicht / *Sommario profili* / Descriere profile
- 10.5 Sectional drawings / Fensterschnitte / *Sezioni Finestre* / Secțiuni Ferestre
- 10.6 Additional Profiles / Zusatzprofile / *Profili aggiuntivi* / Profile auxiliare
- 10.7 Window statics / Bemessungsdiagramme / *Campi d'applicazione* / Dimensiuni maxime
- 10.8 Glazing / Verglasung / *Vetraggio* / Vitraje

11. Premidoor 88



- 11.1 System description / Systembeschreibung / *Descrizione del sistema* / Descrierea sistemului
- 11.2 Test Certificates / Prüfzeugnisse / *Certificati di prova* / Certificări
- 11.3 Opening modes / Systemmerkmale / *Caratteristiche del sistema* / Caracteristici Sistem
- 11.4 Overview of profiles / Produktübersicht / *Sommario profili* / Descriere profile
- 11.5 Sectional drawings / Fensterschnitte / *Sezioni Finestre* / Secțiuni Ferestre
- 11.6 Additional Profiles / Zusatzprofile / *Profili aggiuntivi* / Profile auxiliare
- 11.7 Window statics / Bemessungsdiagramme / *Campi d'applicazione* / Dimensiuni maxime
- 11.8 Glazing / Verglasung / *Vetraggio* / Vitraje

12. Premiline



- 12.1 System description / Systembeschreibung / *Descrizione del sistema* / Descrierea sistemului
- 12.2 Test Certificates / Prüfzeugnisse / *Certificati di prova* / Certificări
- 12.3 Opening modes / Systemmerkmale / *Caratteristiche del sistema* / Caracteristici Sistem
- 12.4 Overview of profiles / Produktübersicht / *Sommario profili* / Descriere profile
- 12.5 Sectional drawings / Fensterschnitte / *Sezioni Finestre* / Secțiuni Ferestre
- 12.6 Additional Profiles / Zusatzprofile / *Profili aggiuntivi* / Profile auxiliare
- 12.7 Window statics / Bemessungsdiagramme / *Campi d'applicazione* / Dimensiuni maxime
- 12.8 Glazing / Verglasung / *Vetraggio* / Vitraje
- 12.9 Drainage and Ventilation / Entlüftung und Entwässerung / *Drenaggio e ventilazione* / Drenajul și ventilarea

13. Hardware System



- 13.1 Certificate of conformity / Konformitätszertifikat / *Certificato di conformita* / Certificat de conformitate
- 13.2 T&T Hardware / DK Beschläge / *AR Ferramenta* / Feronerie oscilo-batantă
- 13.3 Tilt only Hardware / Kipp-Fenster / *Vasistas ferramenta* / Deschidere basculantă
- 13.4 Chain drives for Tilt-opening / Kattenantrieb für Kipp-Fenster / *Attuatore a catena* per apertura vasistas / Motor cu lant pentru deschidere batanta
- 13.5 Pivot window / Schwingfenstern / *Finestra a bilico* / Fereastra pivotanta
- 13.6 Parallel Slide Tilt Door Hardware / Parallel-Schiebetür / *Scorrevole a ribalta* / Ușă culisant/batantă în plan paralel
- 13.7 Windows Accessories / Fenster Zubehör / *Accessori per le finestre* / Accesorii ferestre
- 13.8 Residential door Hardware / Dreh-Tür / *Portoncino ingresso* / Ușă intrare

14. Insulated Glass



- 14.1 IG main factors / Isolierglas Hauptfaktoren / *Coefficienti vetro termoisolante* / Coeficienti geam termoizolant
- 14.2 IG description / Isolierglas Beschreibung / *Descrizione del vetro isolato* / Descriere geam termoizolant
- 14.3 Glazing Codification / Kodierung des Glases / *Codificare vetraggio* / Codificare geam
- 14.4 Thermal insulated glass / Wärmeschutzglas / *Vetro termoisolante* / Geam termoizolant
- 14.5 Sound Reduction Glass / Schallschutzglas / *Vetro Fonoisolante* / Geam fonoizolant
- 14.6 Safety Glass / Sicherheitsglas / *Vetro di sicurezza* / Sticla de siguranta
- 14.7 Solar Control Glass / Sonnenschutzglas / *Vetro riflettente a controllo solare* / Geam solar
- 14.8 Ornamental Glass / Ornamentglas / *Vetro ornamentale* / Sticlă Ornament
- 14.9 Maximal Glazing Sizes / Maximale Maßen / *Ingombro Massimo* / Dimensiuni Maximale

15. ROLLO TOP



- 15.1 System description / Systembeschreibung / *Descrizione del sistema* / Descrierea sistemului
- 15.2 Test Certificates / Prüfzeugnisse / *Certificati di prova* / Certificări
- 15.3 Color program / Dekorübersicht / *Programma Colori* / Program culori
- 15.4 ROLLO TOP MINI EnEv
- 15.5 ROLLO TOP DUO
- 15.6 Roller shutters accessories / Rollladenzubehör / *Accessori per Avvolgibili* / Accesorii rulouri
- 15.7 Drive systems / Antriebsarten / *Azionamenti* / Actionari
- 15.8 Roller Slat / Rollladenpanzer / *Tapparelle* / Lamele Rulou
- 15.9 Insect screen / Insektenschutz / *Zanazariera* / Plasa insecte

16. ROLLO FRONT



- 16.1 System description / Systembeschreibung / *Descrizione del sistema* / Descrierea sistemului
- 16.2 Color program / Dekorübersicht / *Programma Colori* / Program culori
- 16.3 ROLLO FRONT NVR
- 16.4 ROLLO FRONT NVS
- 16.5 Roller shutters accessories / Rollladenzubehör / *Accessori per Avvolgibili* / Accesorii rulouri
- 16.6 Drive systems / Antriebsarten / *Azionamenti* / Actionari
- 16.7 Roller Slat / Rollladenpanzer / *Tapparelle* / Lamele Rulou

17. BORA



- 17.1 System description / Systembeschreibung / *Descrizione del sistema* / Descrierea sistemului
- 17.2 Test Certificates / Prüfzeugnisse / *Certificati di prova* / Certificări
- 17.3 Color program / Dekorübersicht / *Programma Colori* / Program culori
- 17.4 Overview of profiles / Produktübersicht / *Sommario profili* / Descriere profile
- 17.5 Sectional drawings / Fensterschnitte / *Sezioni Finestre* / Secțiuni Ferestre

18. HERCULES 70



- 18.1 System description / Systembeschreibung / *Descrizione del sistema* / Descrierea sistemului
- 18.2 Overview of profiles / Produktübersicht / *Sommario profili* / Descriere profile
- 18.3 Sectional window drawings / Fensterschnitte / *Sezioni Finestre* / Secțiuni Ferestre
- 18.4 Sectional door drawings / Türschnitte / *Sezioni Porta* / Secțiuni Ușă
- 18.5 Additional Profiles / Zusatzprofile / *Profili aggiuntivi* / Profile auxiliare
- 18.6 Window statics / Bemessungsdiagramme / *Campi d'applicazione* / Dimensiuni maxime
- 18.7 Glazing / Verglasung / *Vetraggio* / Vitraje

Mondo Style



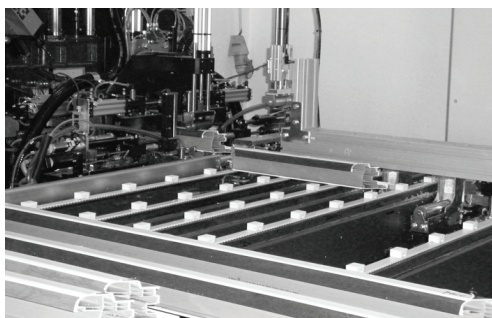
- Over 20 years of experience
- Export oriented company focused on Italian, German, Austrian, Swiss and France markets
- Production facilities equipped with latest generation German technology
- Usage of exclusively German extruded PVC profiles
- Experienced and stabile personal
- Extensive range of products
- Products of certified quality



- Über 20 Jahre Erfahrung
- Export für Märkte wie Italien, Deutschland, Österreich, Schweiz und Frankreich
- Deutsche Maschinen und Know-How
- Ausschließliche Verwendung von deutsche Profil-Systeme
- Breite Produkt-Palette
- DQS - ISO9001 Qualität Zertifizierung und CE Zertifizierung



- *Da più di 20 anni, nel campo dei serramenti.*
- *Esportazione sul mercato italiano, tedesco, austriaco svizzero e francese*
- *Macchinari e attrezzi tedeschi, di ultima generazione*
- *L'utilizzo esclusivo dei profili in PVC di fabbricazione tedesca*
- *Il personale stabile e qualificato*
- *Un'ampia gamma dei prodotti*
- *Prodotti di qualità certificata*



- Peste 20 ani de experiență
- Orientare spre export cu accent pe piețele din Italia, Germania, Austria, Elveția și Franța
- Echipamente de producție cu tehnologie germană de ultimă generație
- Utilizare exclusivă de profile PVC extrudate în Germania
- Personal stabil și experimentat
- Gamă largă de produse
- Produse de calitate certificată



ZERTIFIKAT



Hiermit wird bescheinigt, dass

MONDO STYLE SRL

Str. Gloriei nr 11
300562 Timisoara
Romania

ein **Qualitätsmanagementsystem** eingeführt hat und anwendet.

Geltungsbereich:
Kunststoff und aluminium Fenster und Türen Hersteller

Durch ein Audit, dokumentiert in einem Bericht, wurde der Nachweis erbracht,
dass das Managementsystem die Forderungen des folgenden Regelwerks erfüllt:

ISO 9001 : 2008

Zertifikat-Registrier-Nr. 359541 QM08
Zertifizierungsdatum 2013-03-25
Gültig bis 2016-03-24

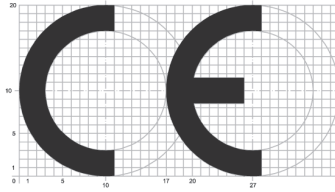


DQS GmbH

Michael Drechsel
Geschäftsführer



Akkreditierte Stelle: DQS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main
Ausstellende Stelle: DQS Romania, Str. Bratului nr. 11, 020565 Bucharest - Romania



Konformitätserklärung

Der Unterzeichner, der den nachstehenden Hersteller vertritt,

S.C. MONDO STYLE S.R.L
str. Gloriei nr 11
Timisoara

erklärt hiermit, dass das Produkt

Gealan S8000
Gealan S9000
Trocal 76
PremiDoor
Premiline

in Übereinstimmung mit dem nachstehenden EN-Standard

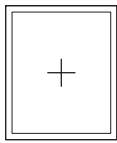
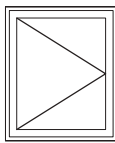
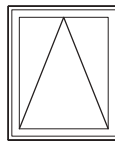
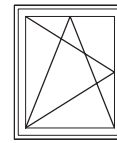
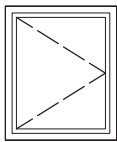
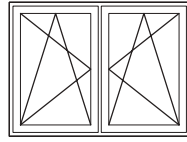
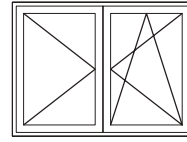
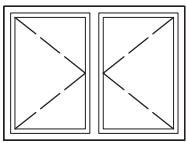
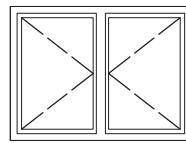
Produktnorm für Fenster und Aussentüren EN 14351

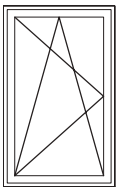
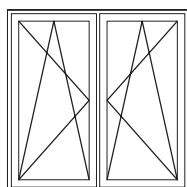
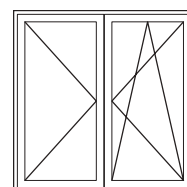
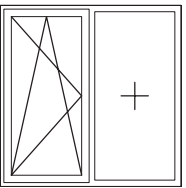
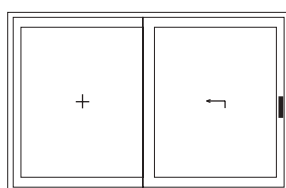
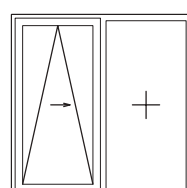
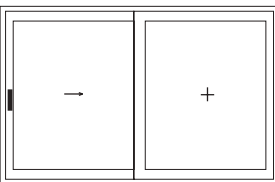
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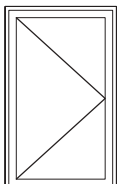
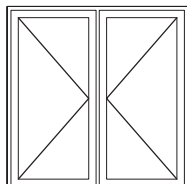
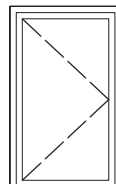
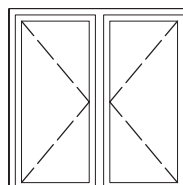


Timisoara den 30.01.2010

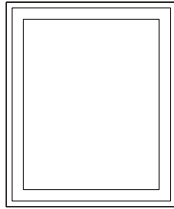
Emanuel Popa, Geschäftsführer

Types of Openings / Öffnungsarten / Tipologie aperture / Tipologie deschideri
Windows / Fenster / Finestre / Ferestre

Fixed /
 Festfeld /
 Fissa /
 Fix

Side hung /
 Dreh-Fenster /
 Apertura semplice /
 Deschidere simplă

Tilt only /
 Kipp-Fenster /
 Vasistas /
 Deschidere basculantă

Tilt & Turn /
 Drehkipp-Fenster /
 Anta ribalta /
 Deschidere
 oscilo-batantă

**Side hung outside
opening /**
 Dreh-Fenster /
 Apertura esterna
 semplice /
 Deschidere exterioră
 simplă

Tilt & Turn with mullion /
 Drehkipp-Fenster mit
 festem Pfosten /
 Anta ribalta a due ante
 con montante /
 Deschidere oscilo-batantă
 cu montant

**Side hung / Tilt & Turn
with floating mullion /**
 Dreh-Drehkipp-Fenster
 Stulpausführung /
 Anta semplice / anta
 ribalta con profilo di riporto /
 Deschidere simplă /
 oscilo-batantă cu ștulp

Side hung with mullion outside opening /
 Dreh-Fenster mit festem Pfosten /
 Anta semplice / anta semplice con montante /
 Deschidere exterioră simplă cu montant

Side hung with floating mullion outside opening /
 Dreh-Fenster Stulpausführung /
 Anta semplice / anta semplice con profilo riporto /
 Deschidere exterioră simplă cu ștulp

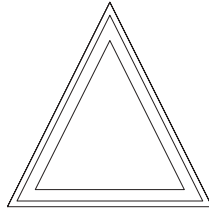
Balcony door / Fenstertüren / Porte Balcone / Uși Balcon

Tilt & Turn Door /
 Drehkipp-Tür /
 Porta balcone
 anta ribalta /
 Ușă balcon
 oscilo-batantă

**Tilt & turn Door
with mullion /**
 Drehkipp-Tür mit
 festem Pfosten /
 Porta balcone anta
 ribalta con montante /
 Ușă balcon oscilo-
 batantă cu montant

**Sidehung / Tilt & Turn Door with
floating mullion /**
 Dreh-Drehkipp-Tür
 Stulpausführung /
 Porta balcone anta ribalta
 con profilo riporto /
 Ușă balcon simplă / oscilo-
 batantă cu ștulp

**Tilt & Turn Door
with fixed glazing /**
 Drehkipp-Tür mit
 Festverglasung /
 Porta balcone anta
 ribalta con fisso /
 Ușă balcon
 oscilo-bantă

Lift Sliding Door /
 Hebe - Schiebetür /
 Alzante scorrevole /
 Ușă liftant-glisantă

Parallel slide Tilt Door /
 Parallel-Schiebetür /
 Scorrevole a ribalta /
 Ușă culisant / batantă
 în plan paralel

Sliding door /
 Schiebetür /
 Scorrevole parallelo /
 Ușă culisantă simplă

Entrance Doors / Haustüren / Portoncini / Uși intrare

**Residential
Door /**
 Dreh-Tür /
 Portoncino
 ingresso /
 Ușă intrare

**Residential Door
with fixed/floating
mullion /**
 Dreh-Tür mit
 festem Pfosten
 bzw. Stulpausführung /
 Portoncino ingresso
 con montante/profilo
 riporto /
 Ușă intrare cu montant /
 ștulp

Residential Door outside opening /
 Dreh-Tür /
 Portoncino ingresso apertura esterno /
 Usa intrare deschidere exteriora

**Residential Door with fixed/floating
mullion outside opening /**
 Dreh-Tür mit festem Pfosten bzw.
 Stulpausführung /
 Portoncino ingresso con montante /
 profilo riporto apertura esterna /
 Ușă intrare cu montant / ștulp
 deschidere exterioră

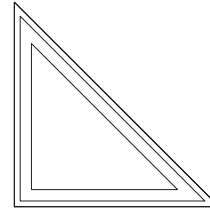
Windows shapes / Fensterformen / Finestre di forma / Geometrie ferestre



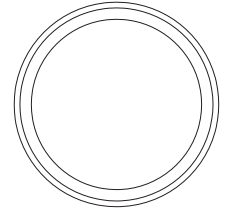
Rectangular
Rechteck
 Rettangolare
Dreptunghi



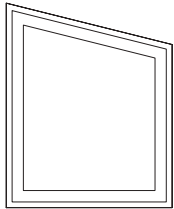
Triangular
Dreieck
 Triangolare
Triunghi



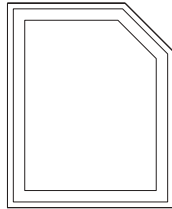
Angled
Schräg
 Inclinata
Triunghi



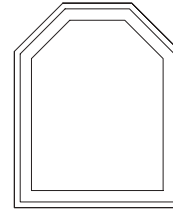
Round
Rund
 Rotonda
Cerc



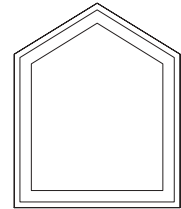
1 angled edge
1 schräge Kante
 1 lato obliquo
Trapez



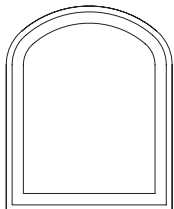
Polygonal
Vieleck
 Poligonale
Poligon



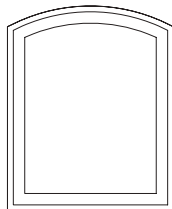
Polygonal
Vieleck
 Poligonale
Poligon



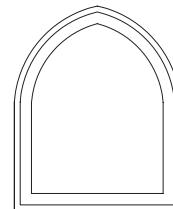
Polygonal
Vieleck
 Poligonale
Poligon



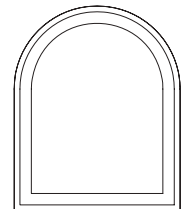
Basket Arch
Korbbogen
 Arco ribassato
Elipsoidal



Segment Arch
Stichbogen
 Arco ribassato
Segment cerc

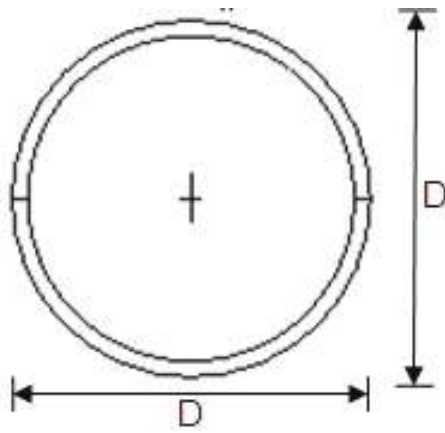


Peaked Arch
Spitzbogen
 Arco gotico
Arc gothic

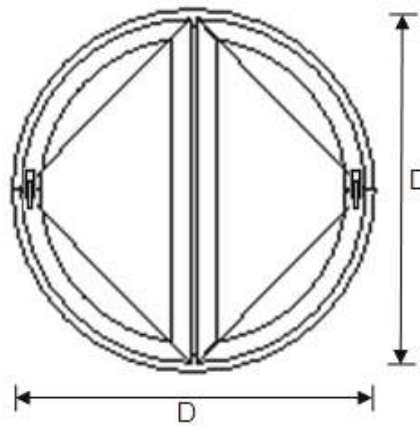


Round Arch
Rundbogen
 Arco tondo
Semicerc

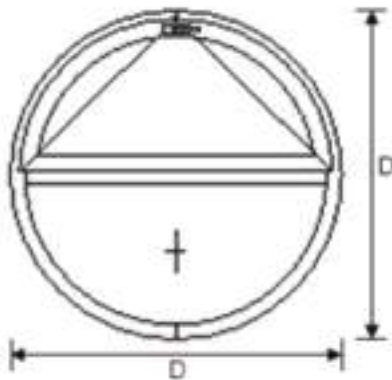
Roundshaped windows / Bogenfenster / Finestra ad arco / Ferestre circulare



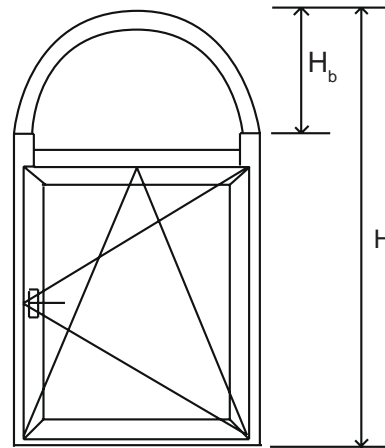
D = 1200 – 2000 mm



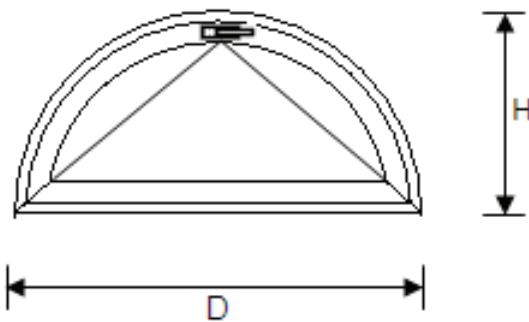
D = 1200 – 1600 mm



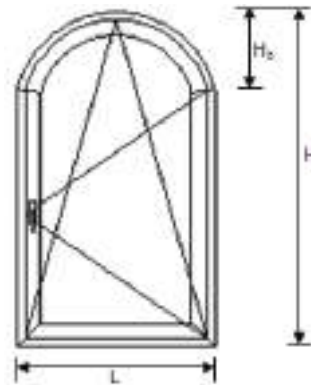
D = 1200 – 1600 mm



$R > 600 \text{ mm}$
 $H_b \leq R$



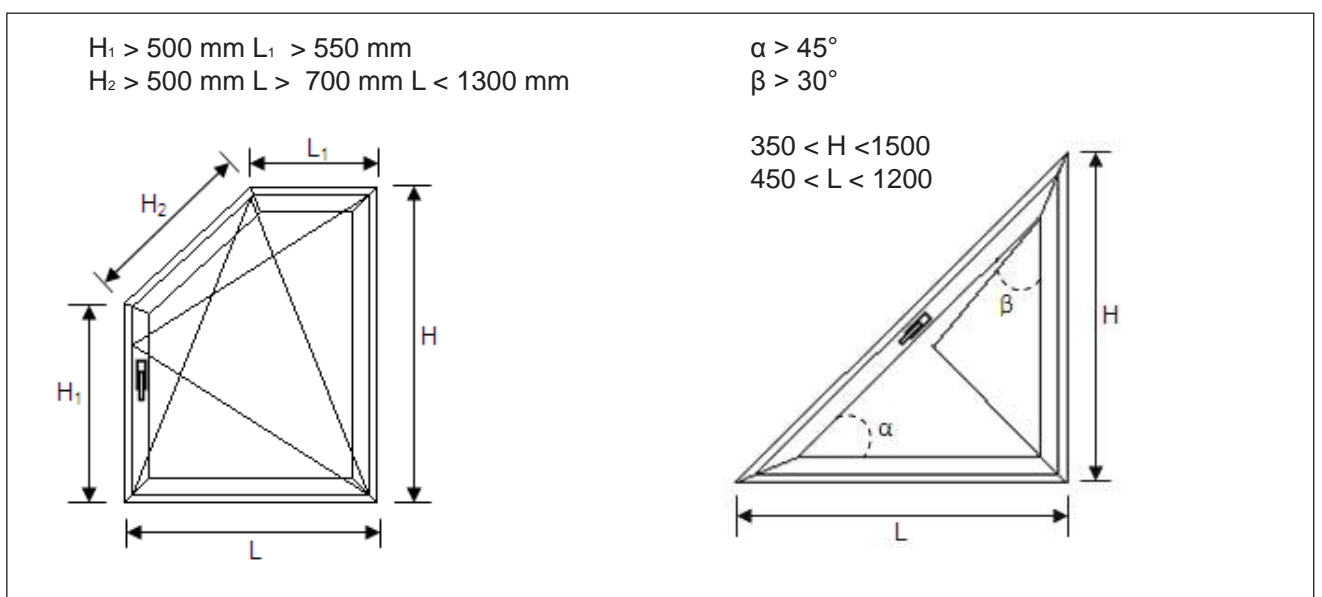
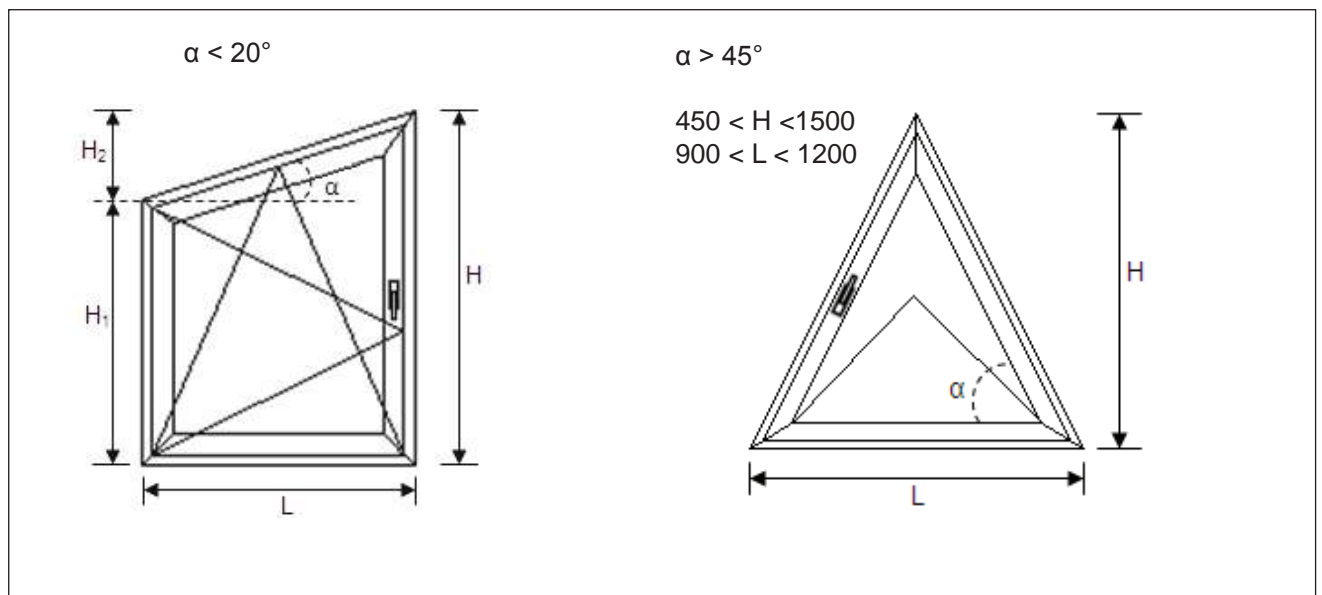
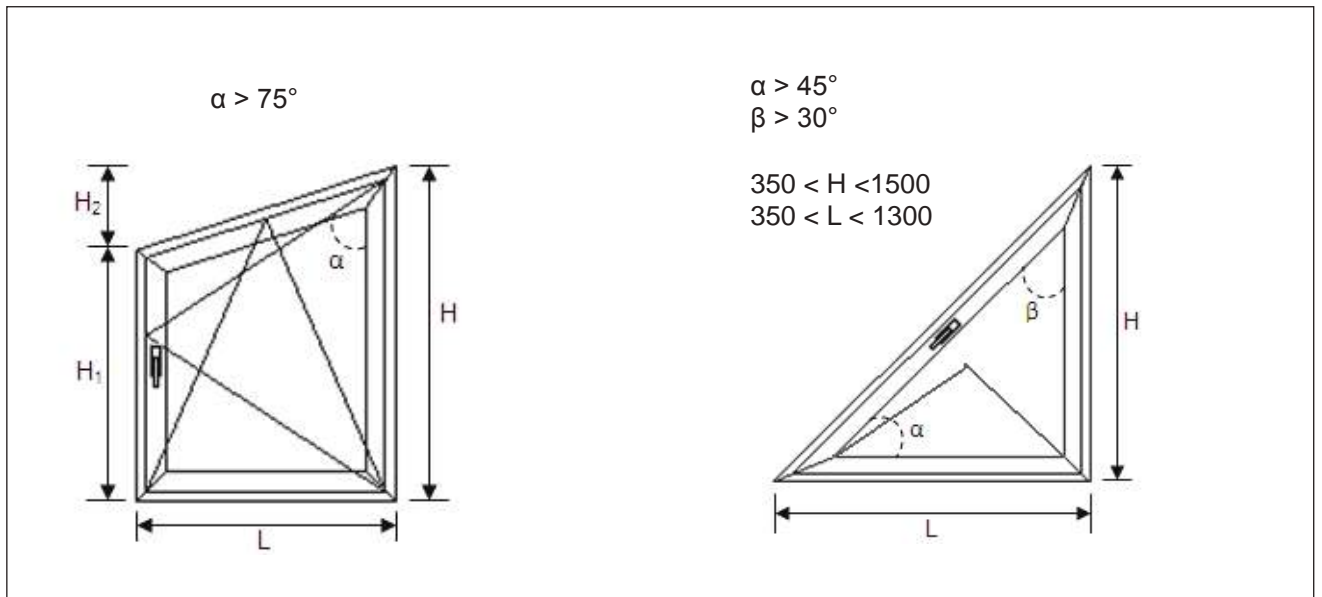
D = 1200 – 1600 mm
H = 600 – 800 mm



$R > 600 \text{ mm}$
 $H_b \leq R$

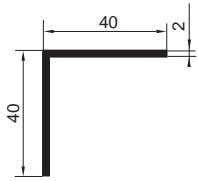
$$R = \frac{(L/2)^2 + H_b^2}{2 \cdot H_b}$$

Poligonal windows / Vieleckfenster / Finestra poligonale / Ferestre poligonale

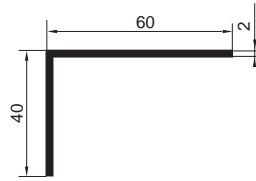


Decorative profiles / Abdeckleiste und Abdeckwinkel / Piattine e angolari / Colțari și șipci de acoperire

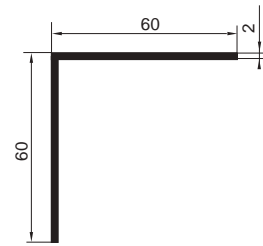
PVC



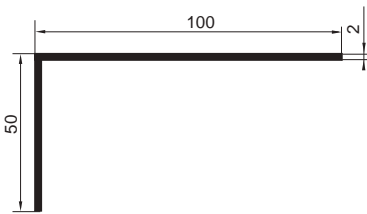
WI 4040



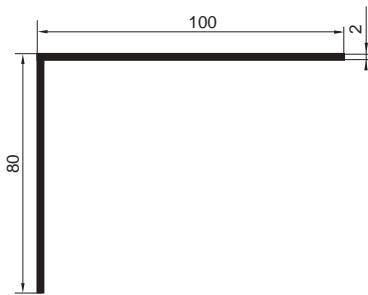
WI 4060



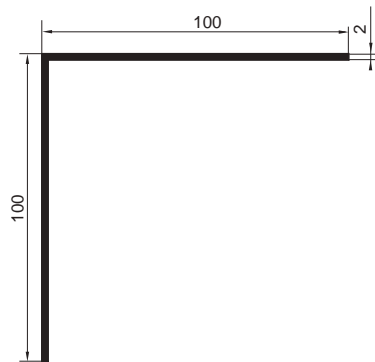
WI 6060



WI 50100



WI 80100



0642



WKL 3018



WKL 5018



WKL 7018

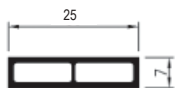


WKL 10018

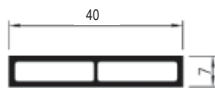


FL5030

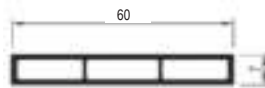
* Only in white / Nur weiss / Solo in bianco / Doar in varianta alb



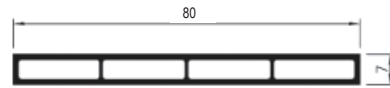
KA 2507



KA 4007

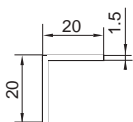


KA 6007

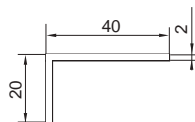


KA 8007

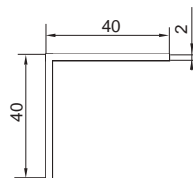
Aluminium



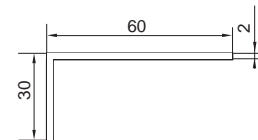
702020



704020



704040



706030

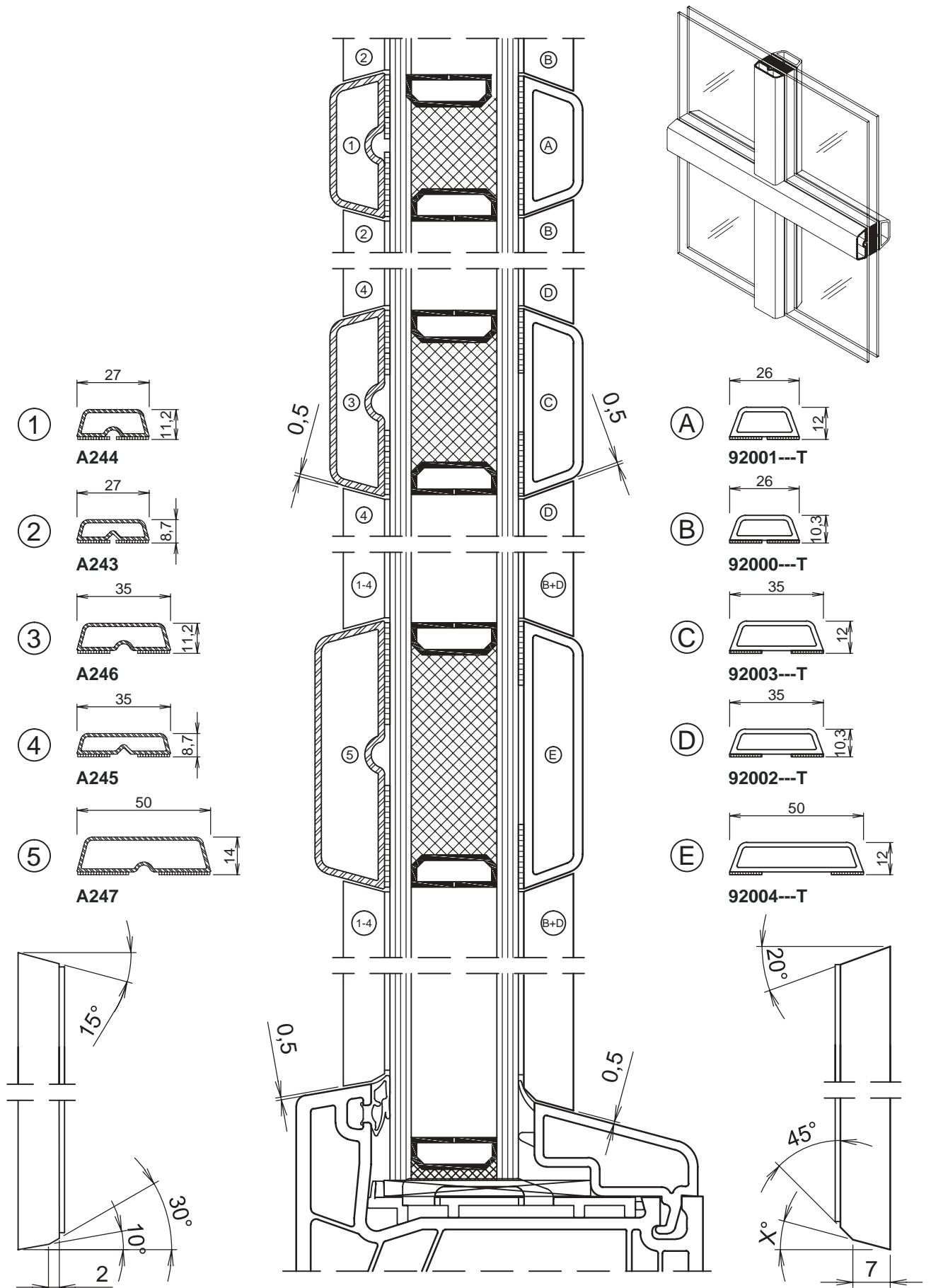


603003

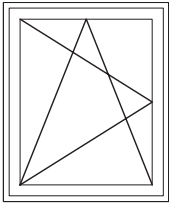


604004

**Sash bars / Sprossen Profile /
Inglesine applicate / Şprosururi aplicate**



Window U values / Wärmedurchgangskoeffizienten /
Coefficiente di trasmittanza termica / Coeficientul de transfer termic



LxH 1230x1480
Aw = 1.82 m²/Ag = 66%
EM ISO 10077-1

P O S	Glass System	U _f [W/m ² K]	Ψ _g	U _g [W/m ² K]											
				En Ev 2009 ← 1,6 1,5 1,4 1,3 1,2 1,1 1,0 0,9 0,8 0,7 0,6 0,5 →											
1	Rondo Performer 74	1,2	Alu	1,7	1,6	1,5	1,5	1,4	1,3	1,3	1,2	1,1	1,0	0,9	0,9
			Warm	1,6	1,6	1,5	1,4	1,3	1,3	1,2	1,1	1,0	1,0	0,9	0,8
2	Style 76	1,0	Alu	1,6	1,5	1,4	1,4	1,3	1,2	1,2	1,1	1,0	1,0	0,9	0,8
			Warm	1,5	1,5	1,4	1,3	1,3	1,2	1,1	1,1	1,0	0,9	0,9	0,8
3	KUBUS Pasiv 82	0,96	Alu	1,6	1,5	1,4	1,3	1,3	1,2	1,2	1,1	1,0	0,9	0,9	0,8
			Warm	1,5	1,4	1,3	1,3	1,2	1,2	1,1	1,0	0,9	0,9	0,8	0,7

$$U_w = \frac{A_g \times U_g + A_f \times U_f + L_g \times \Psi_g}{A_g + A_f}$$

U_g = pane U-value measured in the middle, stated in W/(m²K) / Glas Wärmedurchgangskoeffizient / Coefficiente di trasferimento di calore del vetro / Transmitanța termică a vitrajului

U_f = frame/sash U-values stated in W/(m²K) / U-Wert des Rahmens / Trasmittanza termica del telaio / Transmitanta termica a ramei

Ψ_g = linear thermal transmittance loss of the glazing spacer stated in W/(mK) / Längenbezogener Wärmedurchgangskoeffizient infolge des kombinierten wärmetechnischen Einflusses von Abstandshalter, Glas und Rahmen / è il valore di trasmittanza termica lineare concernente la conduzione di calore supplementare che avviene a causa dell'interazione tra telaio, vetri e distanziatore dei vetri / este transmitanța termică liniară datorată efectelor termice combinate ale vitrajului, distanțierului și ramei (pentru vitraj simplu)

A_g = glass area stated in m² (glass or equivalent) / Fläche der Verglasung / Superficie del vetro / Aria vitrajului in m²

A_f = area of sash, frame and glazing bars stated in m² / Fläche des Rahmens / Superficie del telaio / Aria ramei in m²

L_g = spacer length stated in meters / Länge des Abstandshalters / Circonferenza del vetro / Perimetrul vitrajului in m

Glazing instructions / Verglasunrichtlinien / Spessorare del vetro / Calarea Geamului

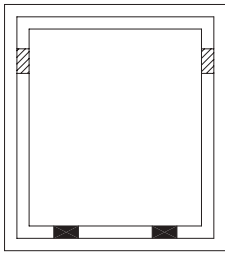
Blocking serves to position and secure the insulating panes in the frame so that the glazed unit's own weight and the external forces are transferred permanently and uniformly into the structure over the long term

Die Verklotzung dient dazu, die Isolierglasscheiben so im Flügel zu lagern und zu fixieren, dass langfristig das Eigengewicht der Glaseinheit und die auftretenden äußeren Kräfte gleichmäßig und dauerhaft in die Konstruktion abgeleitet wird und die Gängigkeit gewährleistet ist.

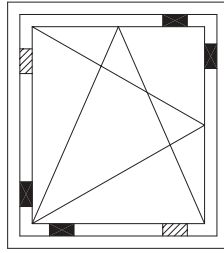
Inserendo la lastra di vetro è bene fare attenzione che questa venga spinta con tutta la superficie contro la guarnizione. Altrimenti non può essere garantito un corretto inserimento dei listelli fermavetro.

Operatia de calare conduce la preluarea uniforma a greutatii geamului de catre rama. Calarea trebuie facuta fara a permite contactul dintre rama si geam. in acest scop se utilizeaza distanteri speciali din plastic, care sunt pozitionati conform schemei de mai jos:

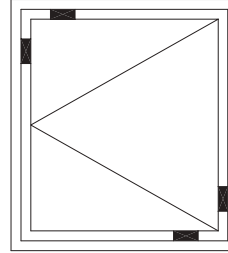
■ Glazing block suport ▨ Glazing block spacer



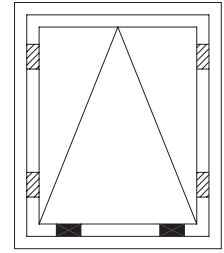
Fixed/
Festfeld /
Fissa /
Fix



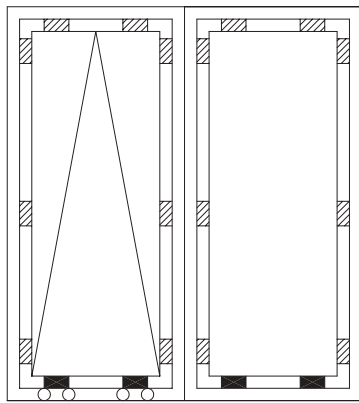
Tilt & Turn /
Drehkipp-Fenster /
Anta ribalta /
Deschidere
oscilo-batantă



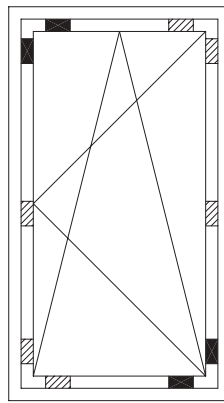
Side hung /
Dreh-Fenster /
Apertura semplice /
Deschidere simplă



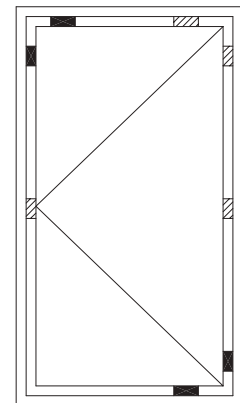
Tilt only /
Kipp-Fenster /
Vasistas /
Deschidere basculantă



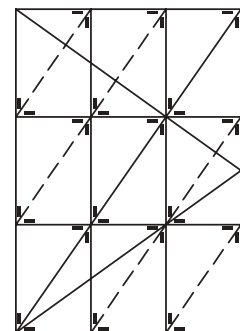
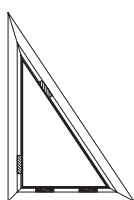
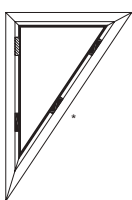
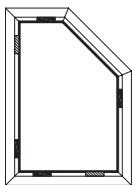
Parallel slide Tilt Door /
Parallel-Schiebetür /
Scorrevole a ribalta /
Usa culisant / batantă
în plan paralel



Tilt & Turn Door /
Drehkipp-Tür /
Porta balcone
anta ribalta /
Ușă balcon
oscilo-batantă



Residential Door /
Dreh-Tür /
Portoncino
ingresso /
Ușă intrare



**Joints between frames and buildings / Fügen zwischen Rahmen und Bauwerk /
Giunture tra telaio e opera muraria / Dimensionarea rostului de imbinare între rama și zid**

Whenever possible you must leave gaps of the same width at the jamb connectors and lintel. You must consult the following table when applying silicone sealants to the joins.

An den Laibungsanschlüssen sowie am Sturz sind möglichst gleich breite Fugen zu belassen. Folgende Tabelle ist zu beachten, wenn Silikondichtmassen als Fugendichtungsmaterial eingesetzt werden.

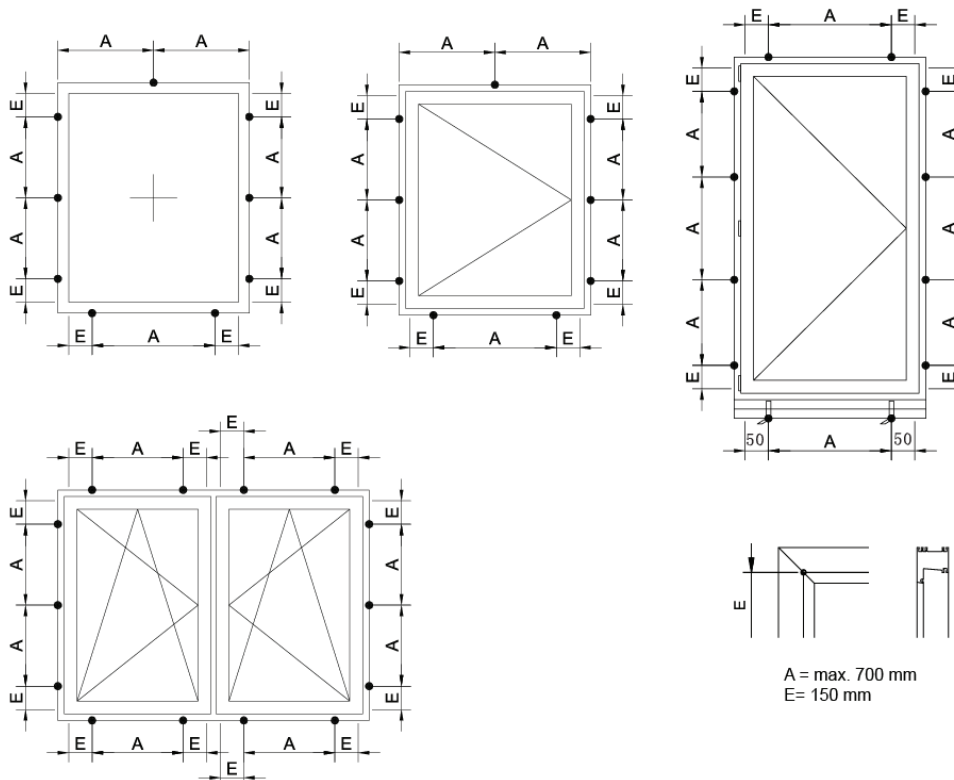
Eseguire giunti uniformi nei collegamenti dell'intradosso e dell'architrave. Per l'applicazione di sigillanti al silicone rispettare la seguente tabella.

Rostul de îmbinare între toc și zid trebuie să fie uniform. Dimensionarea acestuia se face în funcție de dimensiunea elementului de tâmplărie conform tabelului de mai jos.

	Gap / Fugen / Giunto / Rost				b [mm]			
	L <	1,5 m	2,5 m	3,5 m	4,5 m	2,5 m	3,5 m	4,5 m
white profiles		10	15	20	25	10	10	15
colour profiles		15	20	25	30	10	15	20

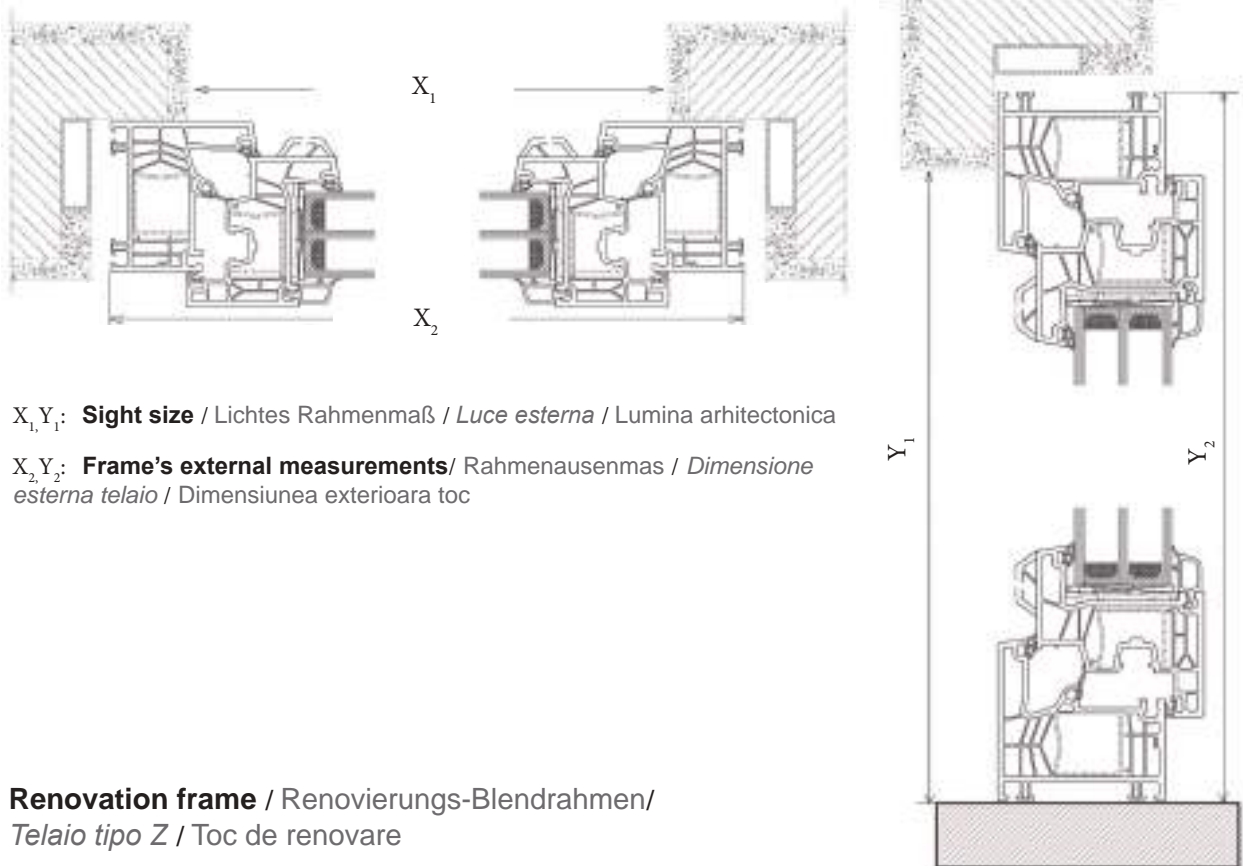
Installation instructions / Einbaurichtlinien / Istruzione generali per il montaggio /

Instrucțiuni de montaj



Window measurements / Fenster ausmessen / Misure per la realizzazione del serramento / Cotarea ferestrelor

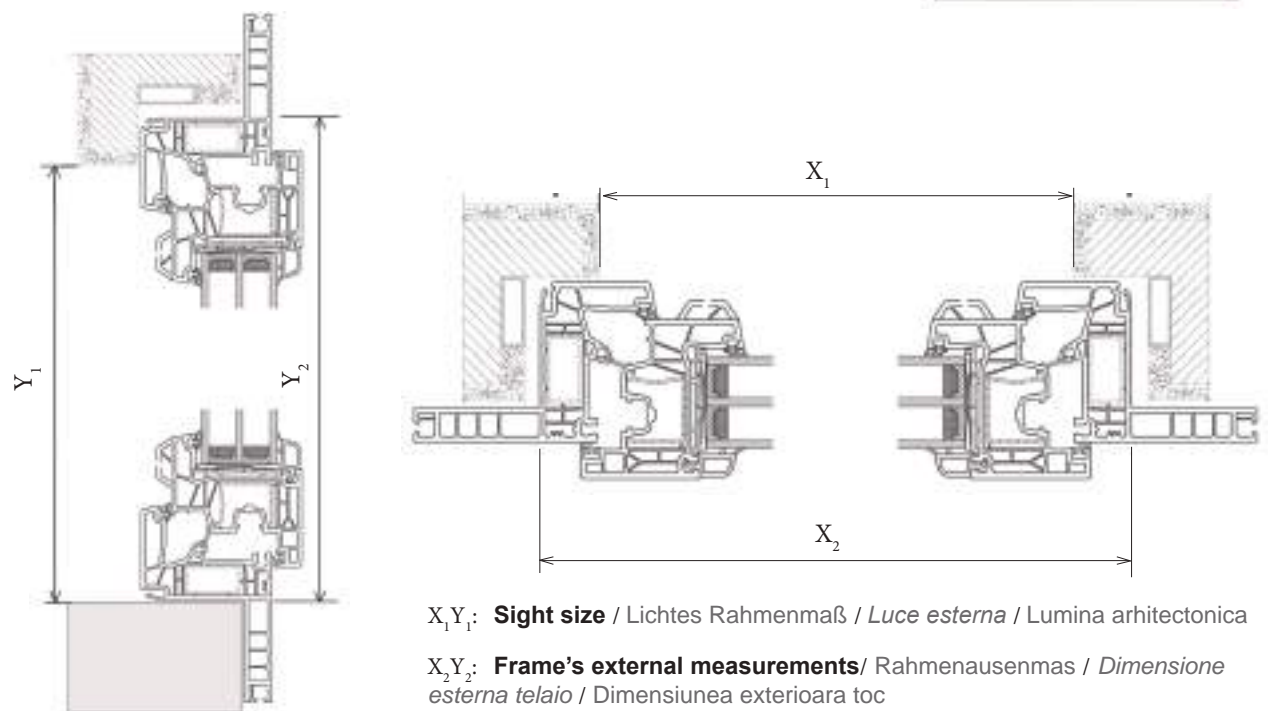
Casement frame / Blendrahmen / Telaio tipo L / Toc tip L



X_1, Y_1 : **Sight size** / Lichtes Rahmenmaß / *Luce esterna* / Lumina arhitectonica

X_2, Y_2 : **Frame's external measurements** / Rahmenausenmas / *Dimensione esterna telaio* / Dimensiunea exterioara toc

Renovation frame / Renovierungs-Blendrahmen / Telaio tipo Z / Toc de renovare



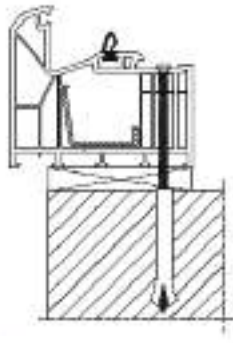
X_1, Y_1 : **Sight size** / Lichtes Rahmenmaß / *Luce esterna* / Lumina arhitectonica

X_2, Y_2 : **Frame's external measurements** / Rahmenausenmas / *Dimensione esterna telaio* / Dimensiunea exterioara toc

Building connectors / Bauanschlüsse / Possibilità di montaggio / Variante montaj toc

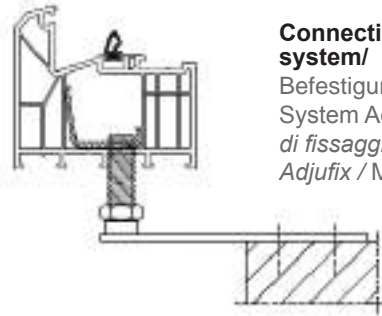
Screwed frame connection with wall plug/

Rahmenverschraubung mit Dübel / Fissaggio del telaio con tassello / Montaj cu diblu



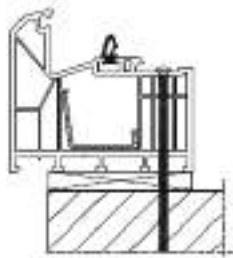
Connection option Adjufix system/

Befestigungsmöglichkeit System Adjufix / Possibilità di fissaggio con sistema Adjufix / Montaj in consola



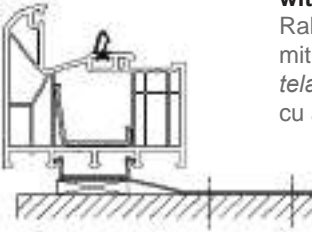
Screwed frame connection without wall plug/

Dübellose Rahmenverschraubung / Fissaggio del telaio senza tassello / Montaj cu surub

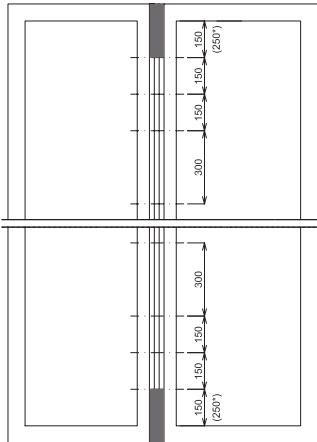


Screwed frame connection with lug/

Rahmenverschraubung mit Lasche / Fissaggio del telaio con linguetta / Montaj cu ancore de fixare



Expansion compensation / Dehnungsausgleich / Compensare la dilatazione / Compensarea dilatarii

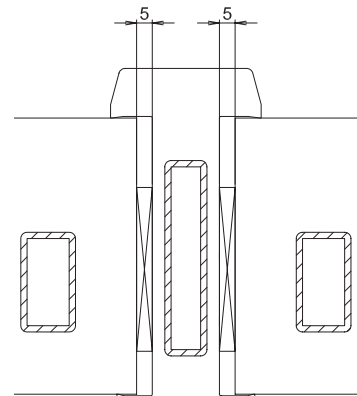
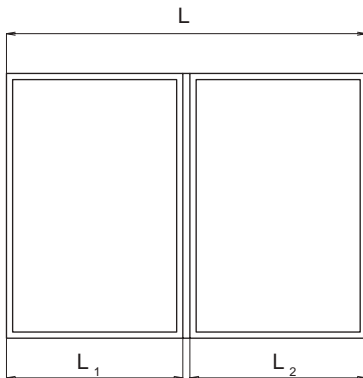


The grey area must be free of spacer blocks /

Der Schraffierte Bereich muss frei von Distanzklötzen sein / L'area colore grigio deve essere priva di distanziatori / Zona marcata cu gri trebuie sa ramana libera (fara distantieri)

A 5 mm expansion joint must be provided near the screw union for panels with length greater than 2,5m (3.5m for white profiles) /

Dehnungsfuge bei Kopplungen, mindestens 5 mm einplanen ab einer Gesamtbreite >2,5m (3.5m in Weiß) / Un giunto di dilatazione di 5 mm deve essere previsto per pannelli con lunghezza maggiore di 2,5m (3.5m per profili pellicolati) / Un rost de dilatare de 5 mm trebuie prevazut la ansamblurile ce au o latime mai mare de 2.5 m (3.5 m in cazul profilelor albe)



L > 2500 mm Color profiles
L > 3500 mm White profiles

PERFORMER 74

Profile system Gealan S8000 with 5 chambers

Profilsystem Gealan S8000 mit 5 Kammer
Sistema di profili Gealan S8000 con 5 camere
Sistemul de profile cu 5 camere Gealan S8000



Profile System Manufacturer
Gealan Fenster-Systeme GmbH
Hofer Strasse 80, Oberkotzau
Deutschland



Heat transfer coefficient
Wärmedurchgangskoeffizient
Trasmittanza termica
Transmitanta termica

up to
bis
fino a
pana la $U_f = 1,2 \text{ W/(m}^2\text{K)}$



Resistance to wind load
Widerstandsfähigkeit
gegen Windlast
Resistenza ai carichi di vento
Rezistentă la încărcarea din vant

up to
bis
fino a
pana la Clasa C5/B5



**Tightness against driving rain -
unprotected (A)**
Schlagregendichtheit - Ungeschützt (A)
Tenuta all'acqua metodo di prova A
Etanșeitatea la apă
expunere directă

up to
bis
fino a
pana la 9A



Air permeability
Luftdurchlässigkeit
Tenuta all'aria
Permeabilitatea aerului

up to
bis
fino a
pana la Clasa 4



Sound insulation
Schallschutz
L'isolamento acustico
Izolarea acustică

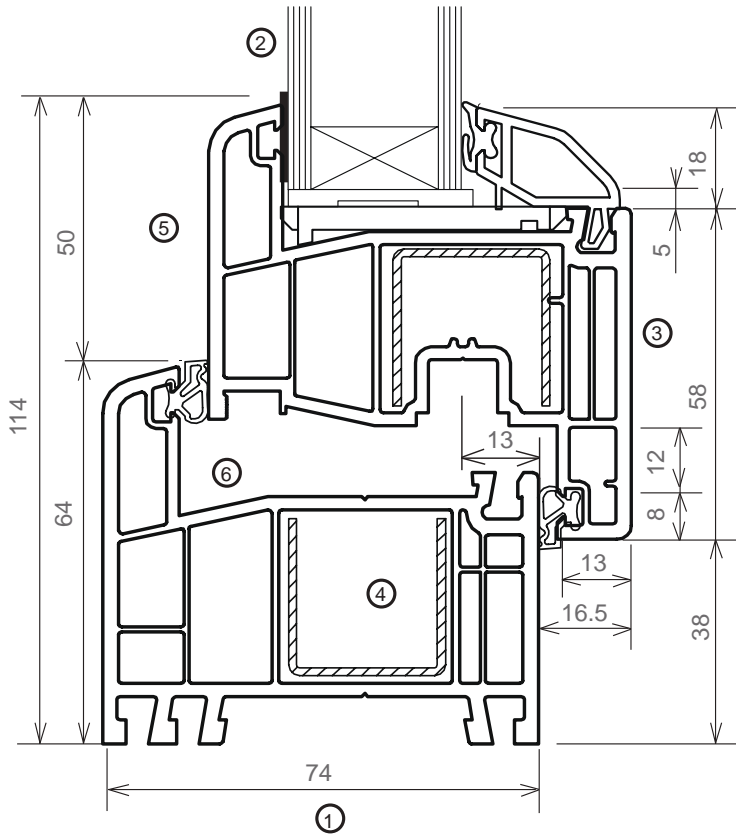
up to
bis
fino a
pana la 47 dB



Burglar-resistant
Einbruchhemmung
Resistenza antieffrazione
Rezistentă antifracție

up to
bis
fino a
pana la RC 2 (WK 2)

System features / Systemmerkmale / Caratteristiche del sistema / Caracteristici Sistem



1. A construction depth of 74 mm ensures excellent heat and sound insulation
2. GEALAN-STV® is the ground-breaking system for bonding panes and casement, that delivers decisive benefits
3. Efficient use of material in the profile design saves resources and thus helps the environment
4. Very good rigidity due to large steel stiffeners in the frame and sash
5. Available in either flat profile with a bevelled glazing bead, or semiflush with round glazing beads
6. Easy to clean, thanks to a generously large sash rebate

- | | | |
|---|---|---|
| <p>GER</p> <ol style="list-style-type: none"> 1. 74 mm Bautiefe sorgen für gute Wärme- und Schalldämmung 2. GEALAN-STV® ist das bahnbrechende System, um Scheibe und Flügelüberschlag trocken zu verkleben 3. Materialoptimierte Profilgeometrie schont Ressourcen und damit die Umwelt 4. Gute Stabilität durch große Stahlaussteifungen in Blendrahmen und Flügel 5. Klassische Linienführung der harmonisch abgestuften Außenansicht 6. Hohe Reinigungsfreundlichkeit durch groß dimensionierten Blendrahmenfalz | <p>ITL</p> <ol style="list-style-type: none"> 1. Profondità di costruzione del telaio 74 mm che assicura un'eccellente isolamento termico e acustico 2. STV® - GEALAN è il sistema rivoluzionario, di incollaggio a secco tra vetro e la battuta dell'anta che fornisce dei vantaggi notevoli 3. Uso efficiente dei materiali nella progettazione profilo consente di risparmiare risorse e, quindi, aiuta l'ambiente 4. Straordinaria stabilità grazie ai rinforzi utilizzati nel telaio e nell'anta 5. All'esterno del nodo ci sono due possibilità di scelta tra anta a sezione quadra o tonda 6. Facile da pulire con battuta battente di grandi dimensioni | <p>ROM</p> <ol style="list-style-type: none"> 1. Adancime de constructie de 74 mm pentru proprietati deosebite de izolare termica 2. Sistemul inovator GEALAN-STV® de lipire uscata a sticlei ofera multiple avantaje 3. Utilizare eficienta a materialelor in proiectarea profilului conserva resursele contribuind la protectia mediului 4. Stabilitate foarte buna datorita armaturii de otel groase din toc si cercevea 5. Design clasic fara varsta, cu baghete si cercevele rotunjite sau drepte 6. Usor de curatat datorita canalului de mari dimensiuni a tocului |
|---|---|---|

Color program / Dekorübersicht / Programma Colori / Program culori

Finishes	Color Shades	Laminated		Support material	Renolit Code	Gasket
		exterior	interior			
Dekore Pellicola Folie	Farbbezeichnung Colore Denumire culoare	Folierung Pellicolato Infoliere		Trägermaterial Colore Massa Material Bază	Renolit Code Codice Renolit Cod Renolit	Dichtung Guarnizione Garnitura
Wood grain / Holzdekore / Effetto Legno / Imitatie Lemn	Golden Oak	x	x	braun	9.2178001-116700	black
	Nussbaum V	x	x	braun	9.2178007-116700	black
Single Colors / Uni-Farben / Uni-culore / Culori Uni	Weiss	x	x	white	F456-5053	gray
	Cremeweiss	x	x	white	02.20.11.000001-116700	gray
	Anthrazitgrau	x	x	white	701605-116700	black



CENTRUM STAVEBNÍHO INŽENÝRSTVÍ a.s.
 (Building Engineering Centre, joint-stock company)
 Workplace in ZLÍN, K Cihelně 304, 764 32 ZLÍN - Louky

issues to

Applicant: GEALAN Fenster-Systeme GmbH
 Hofer Straße 80
 95145 Oberkotzau, Deutschland

CERTIFICATE

Of the product characteristic
 No. CV – 15 – 772/Z

Product: The frame profiles of S 8000 IQ , PVC Tilt and Turn window (Pos. 2)

Manufacturer: See Applicant

Description:

Frame and sash	Frame 8032 00, 64 mm wide and 74 mm thick; frame reinforcement 8716 51, 1,5 mm thick; sash 8068 00, 76 mm wide and 74 mm thick; reinforcement 8716 51, 1,5 mm thick
Other profiles	glazing bead 7116 00 with extruded gasket
Insulating panel	Sandwich panel 35,8 mm thick: 1,5 mm PVC – 32,8 mm thermal insulation from hard foam - 1,5 mm PVC
Sealing	outer gasket 8186 92; inner gasket 8187 92; outer glazing gasket 8156 92
Hardware	All-Peripheral Hardware Siegenia TITAN AF, 6 point closure, 2 tilt and turn hinges, handle

Result:

Title of tested parameter	Testing method	Result
Thermal transmittance U_f	ČSN EN 12412-2	1,2 W/(m ² .K)

The result U_f fulfils the standard ČSN 73 0540, part 2 for recommended thermal transmittance:

$$U_f \leq U_{req,25} = 1,3 \text{ W/(m}^2\cdot\text{K)}$$

Background documents: Test report No. 311/15, CSI, a.s. Zlín, AO 212

This Certificate applies only for a product which its specification is given in the test report in detail. It certifies only above given properties and neither implies nor substitutes certification in accordance with the Law No. 22/1997 Coll. on technical requirements for products.

Issue date: 30.09.2015
 Valid till: 30.09.2017
 Elaborated by: Ing. Nizar Al-Hajjar




 Ing. Vladan Paňavec
 Workplace head

Nachweis
Energieeinsparung und Wärmeschutz

Prüfbericht 402 29298/2



Auftraggeber **GEALAN Fenster-
Systeme GmbH**
Hofer Straße 80

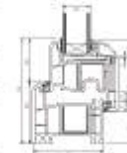
95145 Oberkotzau

Grundlagen
EN 12412-2 :2003-07
Bestimmung des
Wärmedurchgangskoeffizienten
mittels des
Heizkastenverfahrens, Teil 2:
Rahmen
Entspricht der nationalen
Fassung DIN EN .

Produkt **Flügel- / Blendrahmen - Profilkombination**

Bezeichnung **S8000IQ**

Darstellung



Bautiefe Blendrahmen 74 mm
Bautiefe Flügelrahmen 84,5 mm

Anstehsbreite **124 mm**

Rahmenmaterial **PVC-U/weiß**

Ausstellung **Stahl/verzinkt**

Besonderheiten **-**

Verwendungshinweise

Dieser Prüfbericht dient zum
Nachweis des Wärmedurch-
gangskoeffizienten U_f

Gültigkeit

Die genannten Daten und
Ergebnisse beziehen sich
ausschließlich auf den
geprüften und beschriebenen
Gegenstand.

Die Prüfung des
Wärmedurchgangskoeffizienten
ermöglicht keine Aussage über
weitere leistungs- und
qualitätsbestimmenden
Eigenschaften der vorliegenden
Konstruktion.

Wärmedurchgangskoeffizient



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



ift Rosenheim
8. Februar 2006


Ulrich Sieberath
Institutsleiter


L.A. Konrad Huber
Prüfchef Wärmeschutz &
Energietechnik

Veröffentlichungshinweise

Es gilt das ift-Merkblatt
„Hinweise zur Benutzung von
ift-Prüfberichten“.

Das Deckblatt kann als
Kurzfassung verwendet
werden.

Inhalt

Der Nachweis umfasst
insgesamt 5 Seiten

1. Gegenstand
2. Durchführung
3. Einzelergebnisse

Zusammenfassender Prüfbericht

Widerstandsfähigkeit bei Windlast,
Schlagregendichtheit, Luftdurchlässigkeit,
Bedienkräfte, Mechanische Beanspruchung,
Dauerfunktion, Tragfähigkeit von
Sicherheitsvorrichtungen, Stoßfestigkeit
Nr. 101 32802/Z



Auftraggeber: **GEALAN**
Fenster-Systeme GmbH
Hofer Str. 80

95145 Oberkotzau

Fenster und Fenstertüren mit den Öffnungsarten:
Dreh, Drehkipp, Fest und zweiflügelig mit
aufgehendem Mittelstück

Einzel-
Bezeichnung des
Systems: **S9000IQ**

Rahmenseite: **PVC-U/weiß**

Systembeschreibung: **Auszug siehe Anlage 3**
Besonderheiten: **Profile gem. EN 12606, Klasse B (Wandstärke der Sicht
flächen ≥ 2,5 mm, der nicht sichtbaren Flächen ≥ 2,0 mm)**

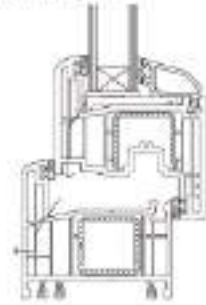
Grundlagen:

EN 14351-1 : 2006-03, Fenster-
und Außentüren – Produktnorm

Prüfnormen:

EN 1026 : 2000-06
EN 1027 : 2000-06
EN 12211 : 2000-06
EN 12946-1 : 2003-11
EN 14608 : 2004-05
EN 14609 : 2004-05
EN 1191 : 2000-02
RAL-RG 607/3
EN 12946 : 2003-05

Darstellung:



Probekörper	1	2	3
Darstellung			
Fenstergröße in mm	1385 x 2378	1032 x 2378	1854 x 1578
Einfluss	Klassifizierung		
Widerstandsfähigkeit bei Windlast	C5 / B5	C3 / B3	C4 / B4
Schlagregendichtheit	9A	7A	8A
Luftdurchlässigkeit	4	4	4
Bedienkräfte	1	1	1
Mechanische Beanspruchung	4	4	4
Dauerfunktion	2	2	2
Stoßfestigkeit	2*		
Tragfähigkeit von Sicherheitsvorrichtungen	Schwellenwert erfüllt	Schwellenwert erfüllt	Schwellenwert erfüllt
Falzheimtest und Leibungstest nach RAL-RG 607/3 : 1998-02 Güte- und Prüfbedingungen für Drehbeschläge und Drehkippbeschläge	Anforderung erfüllt		

Verwendungshinweise

Dieser Prüfbericht dient zum Nachweis der oben genannten Eigenschaften für Fenster nach EN 14351-1: 2006-3

Gültigkeit

Die Prüfergebnisse können gemäß Übertragungsmatrix (Punkt 2) übertragen werden.

Witterungs- und Alterungsversuchsungen wurden nicht berücksichtigt.

Veröffentlichungshinweise

Es gilt das ift-Merkblatt „Bedingungen und Hinweise zur Benutzung von ift-Prüfdokumentationen“.

Inhalt

Der zusammenfassende Prüfbericht umfasst insgesamt 28 Seiten

- Anlage 1: Zugrundeliegende Nachweise
- Anlage 2: Übertragungsmatrix
- Anlage 3: Auszug aus der Systembeschreibung
- Anlage 4: Wichtige Systemmerkmale

ift Rosenheim

H. Jurek

Jörn Peter Lüss, Dipl.-Ing. (FH)
Prüfstellenleiter
ift Zentrum Fenster & Fassaden



ift Rosenheim GmbH
Droßlfeldstr. 1
D-91074 Losenstein
Tel. +49 (0)9202 911-0
Fax +49 (0)9202 911-300
www.ift-rosenheim.de

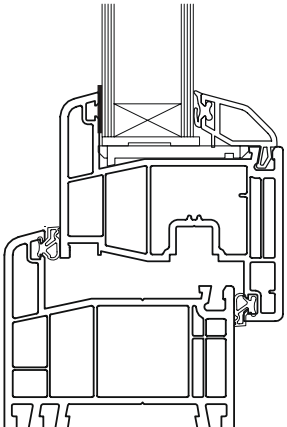
Robert Kobenz, Dipl.-Ing. (FH)
Prüfingenieur
ift Zentrum Fenster & Fassaden

Theodor-Giet-Str. 7 - 9
D-83026 Rosenheim
Tel. +49 (0)9202 911-0
Fax +49 (0)9202 911-300
www.ift-rosenheim.de

Str. 60026 Rosenheim
A-11704 Fideis, Hb 1270
Spezialstr. Rosenheim
810 3502
BLZ 711 200 50

Notruf 24h Nr. 8707
Anwaltskanzlei PULSAR & BAY 10
D-85354 München
Tel. +49 (0)89 30 30 30
Fax +49 (0)89 30 30 30
www.pulsar-bay.de

Sound insulation test reports / Übersicht Schallprüfzeugnisse / Certificati d'isolamento acustico /
 Certificate izolare fonica

Element description Elementbeschreibung Descrizione elemento Descriere element	Pane structure (mm) Scheibenaufbau (mm) Struttura vetro (mm) Structura geam (mm)	Obtained values Rw.P=dB Erreichte Werte Rw.P=dB Valori raggiunti Rw.P=dB Valori obtinute Rw.P=dB
	4-16-4	34
	4-14-4-14-4	35
	6-16-4	38
	8-16-4	39
	6-14-4-14-4	40
	VSG 8-16-4	40
	VSG 10-16-4 (P4A)	40
	10-12-4-12-6	42
	VSG SI 6-16-6	43
	VSG SI 8-14-4-14-6	43
	VSG 10-12-4-16-6 (P4A)	43
	VSG SI 8-24-8	46
	VSG SI 8-12-4-12-8	45
	VSG SI 8-16-VSG SI 8	47
	VSG SI 10-16-VSG SI 8	47
	VSG SI 8-12-4-12- VSG SI 8	47

***VSG - Laminated glass / Verbundsicherheitsglas / Vetro stratificato / Sticla laminata**

***VSG SI - Acoustic laminated glass / Schallschutz-Verbundsicherheitsglas / Vetro stratificato acustico /**
 Sticla laminata cu control acustic

Symbol Legend / Symbol Legende / Legenda Simboli / Legenda simboluri



Window / Fenster /
Finestra / Fereastră



Window with moulion /
Fenster mit Pfosten /
Finestra con montante /
Fereastră cu montant



Terrace door / Balkontüre
Porta balcone / Usa balcon



Door with sash rail /
Tür mit Flügelsprosse /
Porta con traversa /
Usa cu traversa



Residential Door / Haustüre
Portoncino / Usa intrare



Outswing door
Außenöffnende Türen
Porta con apertura verso l'esterno
Usa cu deschidere exterioara



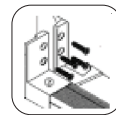
Renovation profile /
Renovierungs-Blendrahmen /
Telaio ristrutturazione / Toc de
renovare



Threshold /
Haustürschwelle /
Sotto soglia /
Prag aluminiu



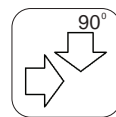
Window handle / Fenstergriff
Maniglia finestra / Maner fereastră



Threshold SLM /
Haustürschwelle LFM /
Soglia in luce telaio /
Prag montat in flat



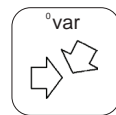
Double side door handle /
Fenstergriffe mit Arretierung
Maniglia passante / Maner dublu



Coupling profiles 90 /
Kopplungsprofile 90 /
Profili di accoppiamento 90 /
Profile de cuplare 90



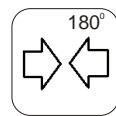
Door Handle / Drückergarnitur /
Maniglione / Maner usa



Variable bay pole /
Variable Eckkopplung /
Giunto angolare variabile /
Profile de cuplare unghi variabil



Flag door hinge / Haustürband /
Cerniera a bandiera / Balama usa



H coupler /
H Schieber /
Profilo di accoppiamento /
Profil cuplare



Door hinge RB / Haustürband RB /
Cerniera tubolare /
Balama tubulara usa



Outer frame extension /
Blendrahmen Verbreiterung /
Allargatore Telaio /
Profile extensie toc



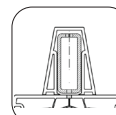
Double hung window /
Stulpfenster / *Finestra a due ante /*
Fereastră in doua canate



Bank connection profile /
Sohlbankprofile /
Profilo di appoggio inferiore /
Profile suprainaltare pervaz



Extention profile /
Höhenausgleichsprofil /
Zoccolo porta / Bandou usa

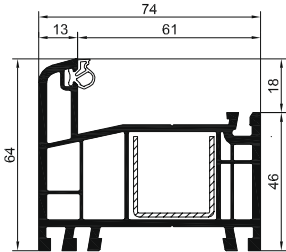


Reinforcing plant-on profile /
Statik-Aufsatz /
Rinforzo /
Ranforsare aplicată

Frame profiles / Rahmenprofile / Profili Telaio / Profile Toc

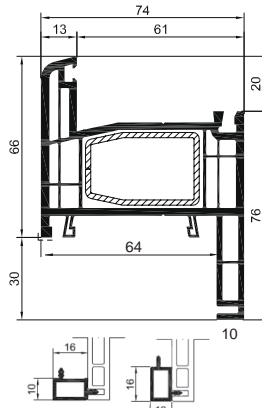
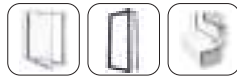
Profile: 8032

Steel 8716
28.5x28.5 - 1.5 mm



Profile: 8030

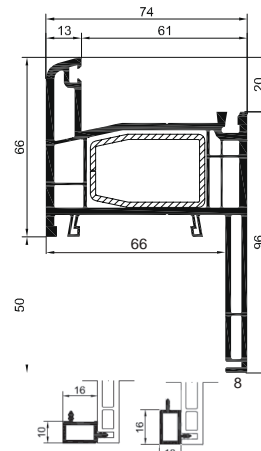
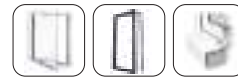
Steel 8701
43x27.5 - 2 mm



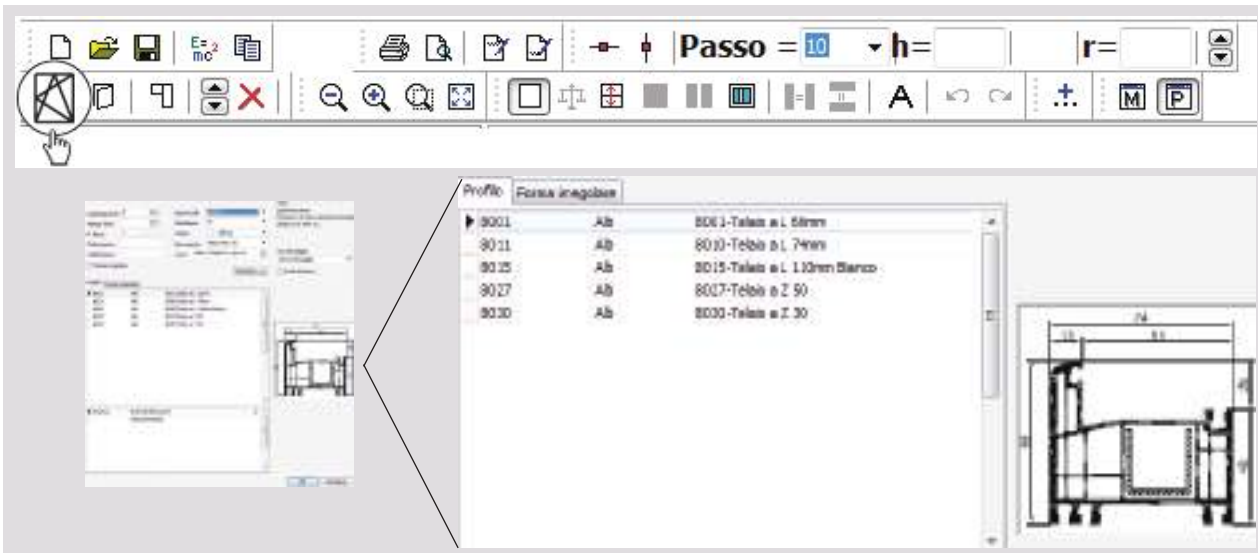
3297

Profile: 8027

Steel 8701
43x27.5 - 2 mm



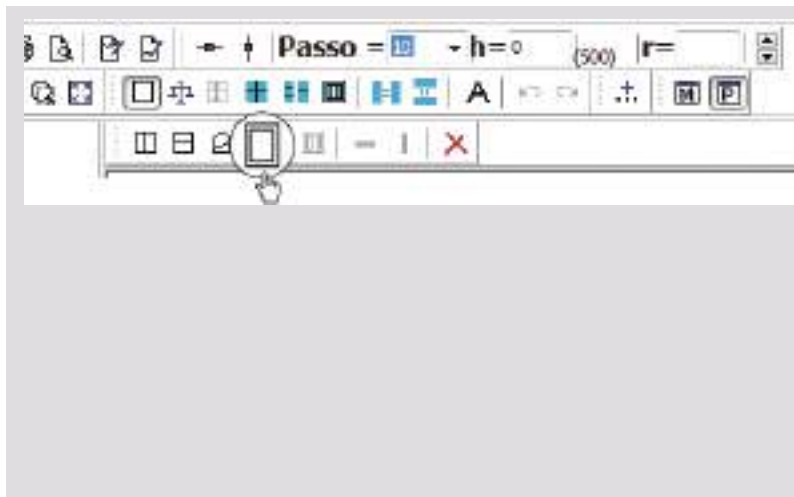
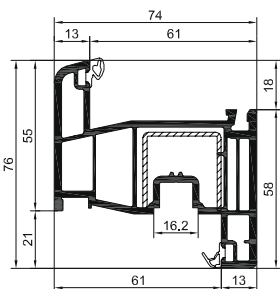
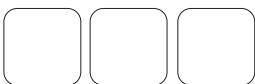
3297



Sash profiles / Flügelprofile / Profili Anta / Profile Cercevea

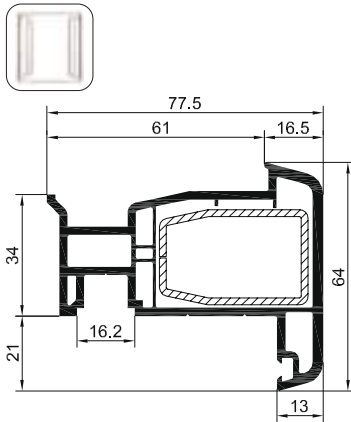
Profile: 8088

Steel 8716
28.5x28.5 - 1.5 mm

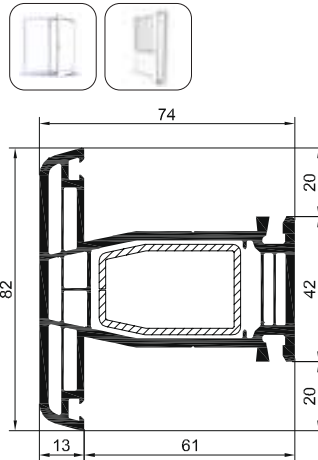


Sash rails & Floating mullion profiles / Pfosten & Stulpprofile / Profili per traverso & Profili per battuta centrale / Profile montant si Profile Stulp

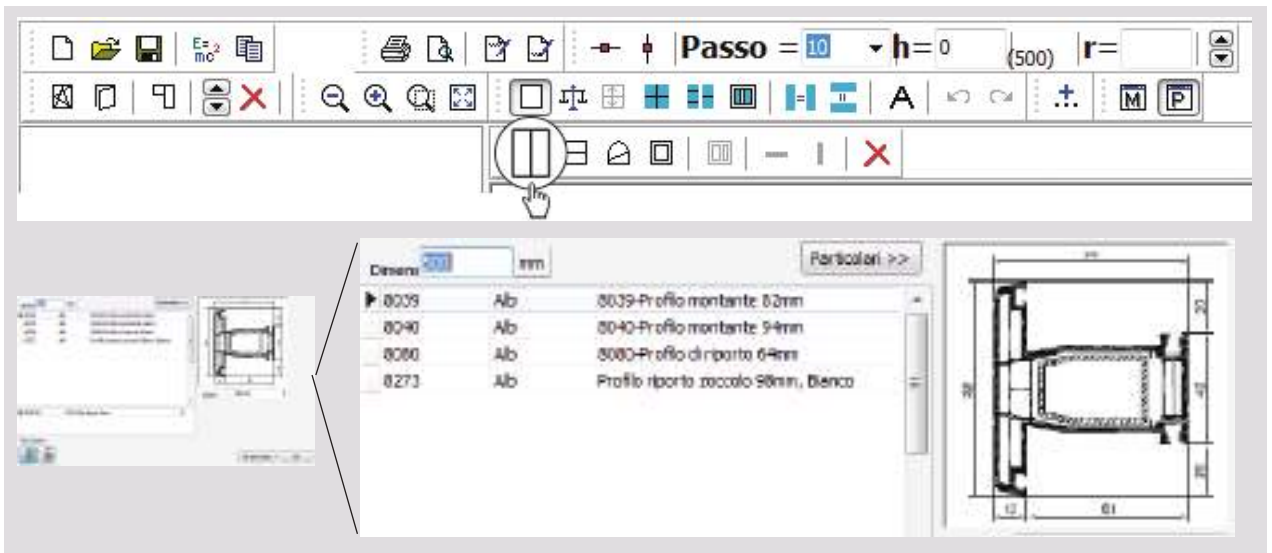
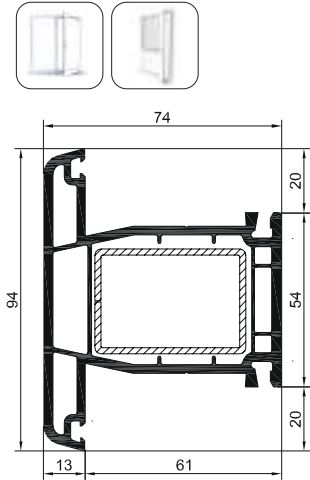
Profile: 8080
Steel 8701
43x27.5 - 2 mm



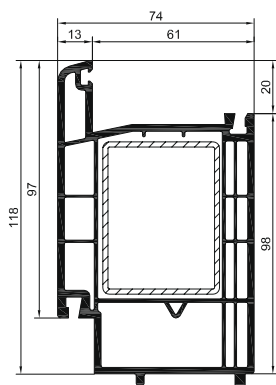
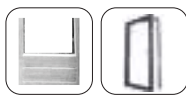
Profile: 8039
Steel 8701
43x27.5 - 2 mm



Profile: 8040
Steel 8713
49x34 - 2 mm

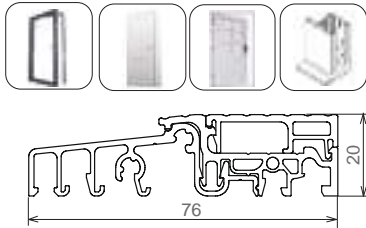


Profile: 8273
Steel 8736

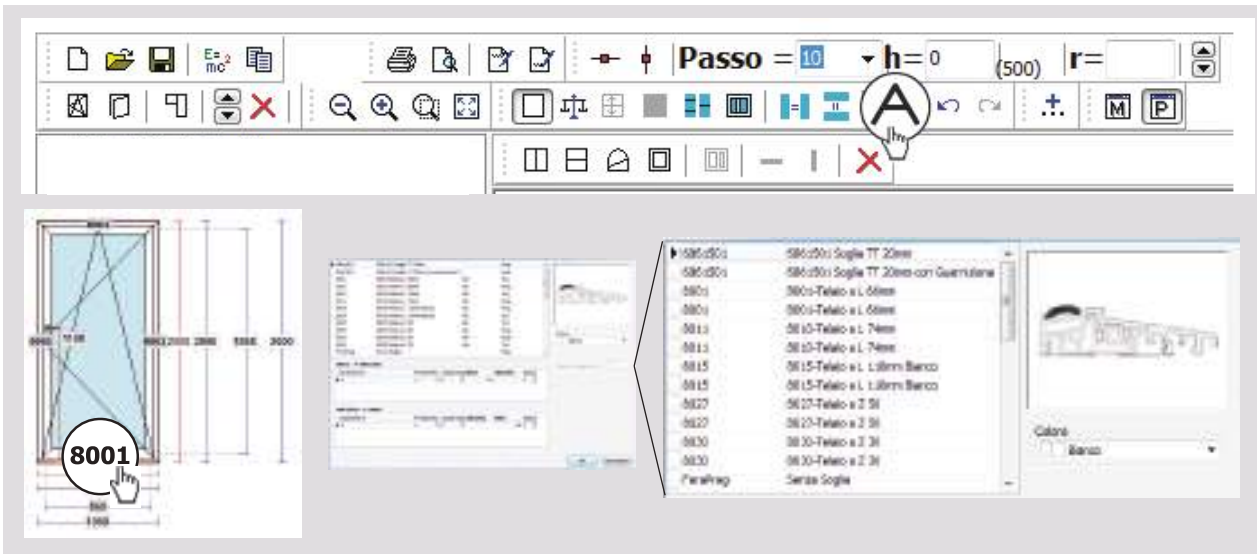
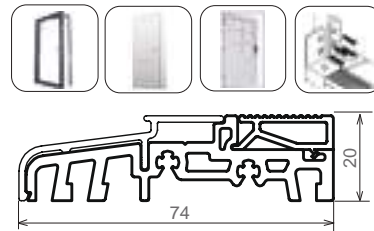


Threshold & Weather bar / Schwelle & Wetter Schenkel / Soglia & Profilo Gocciolatoio /
Praguri & Lacrimare

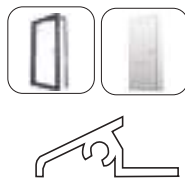
Profile: 6861501



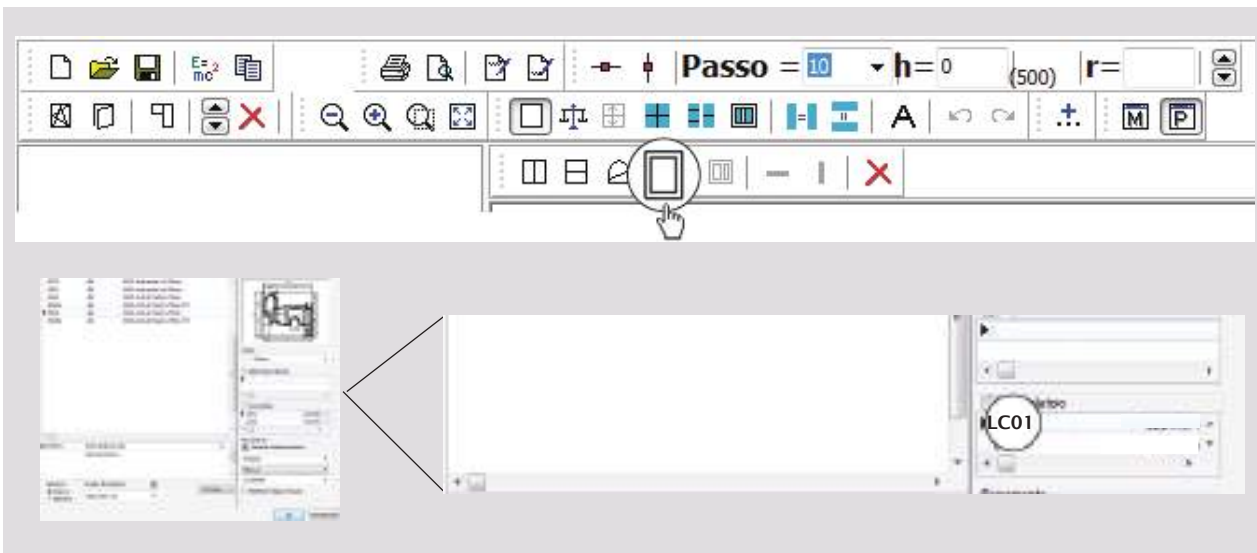
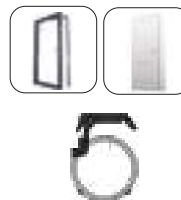
Profile: 259599



Profile: LC01

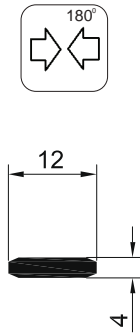


Gasket: 6802101



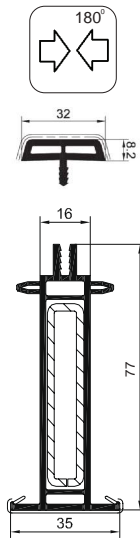
Coupling Profiles / Kopplungsprofile / Profili di accoppiamento / Profile cuplare

Profile: 500730



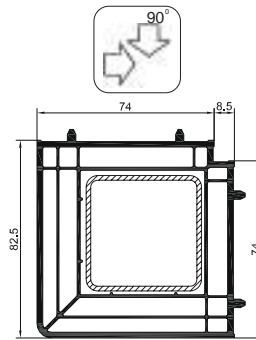
Profile: 7281

Steel 7796
 $I_x=9,19\text{cm}^4$



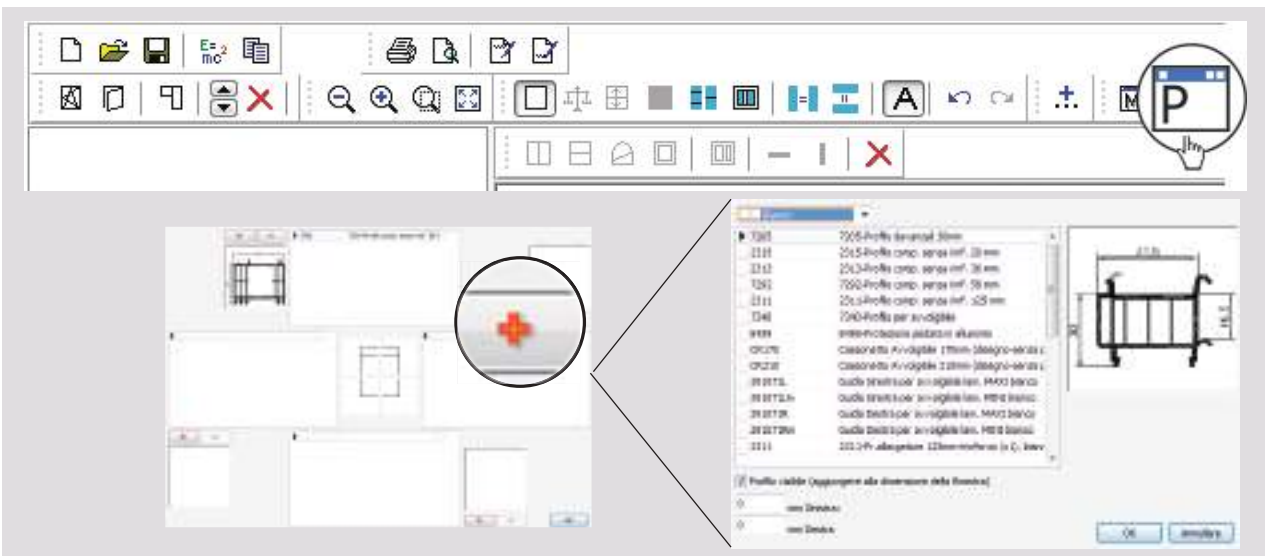
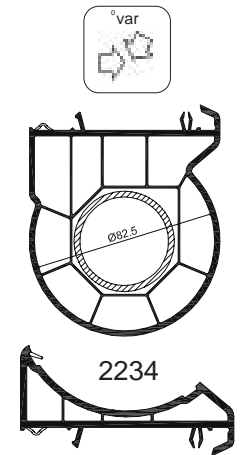
Profile: 2304

Steel 7718
 $I_x=7,11\text{cm}^4$



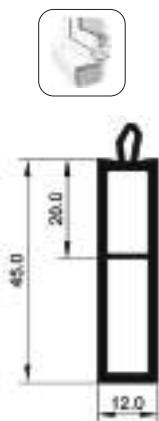
Profile: 2233

Steel 7711
 $I_x=7,54\text{cm}^4$

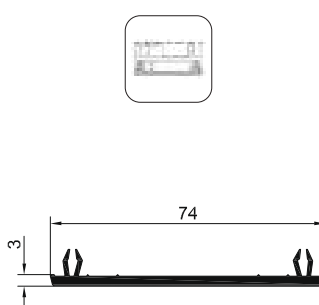


Bank connection profile / Bankanschluss profile / Profili di appoggio inferiore / Profile suprainaltare

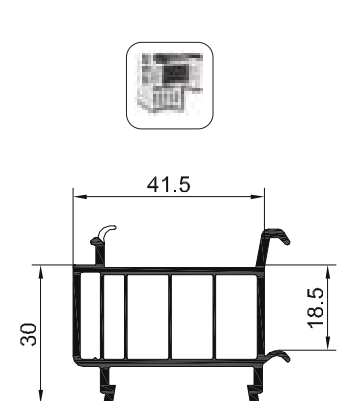
Profile: 3217



Profile: 7310

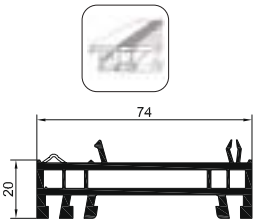


Profile: 7205

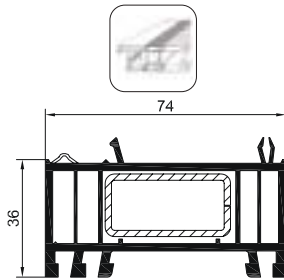


Extension profile / Verbreiterung profile / *Allargatori* / Extensii toc

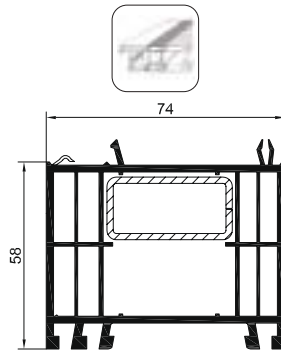
Profile: 2315



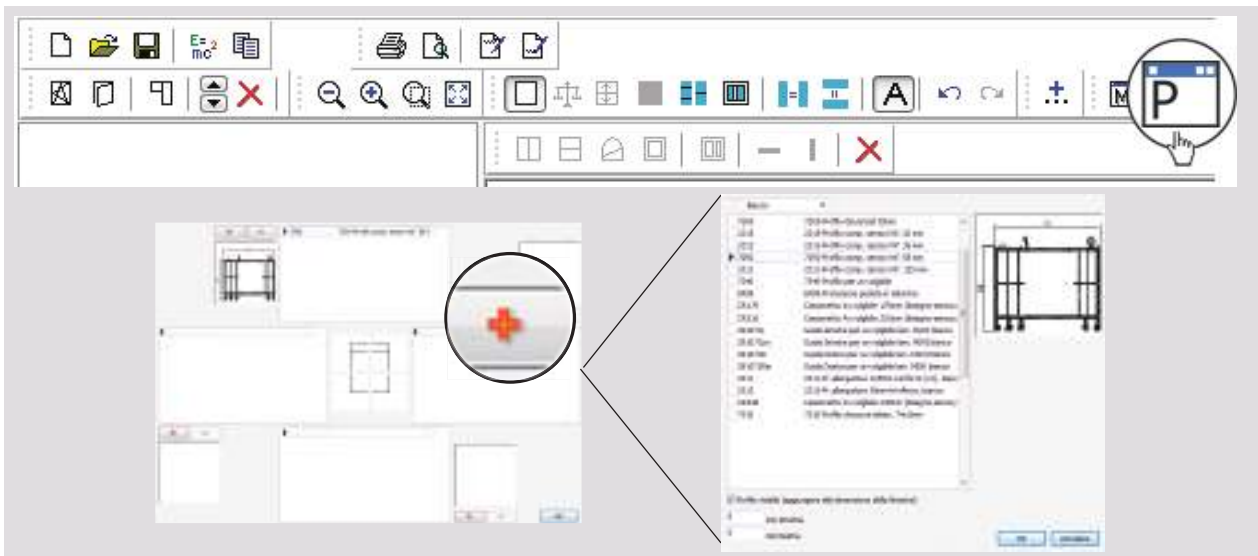
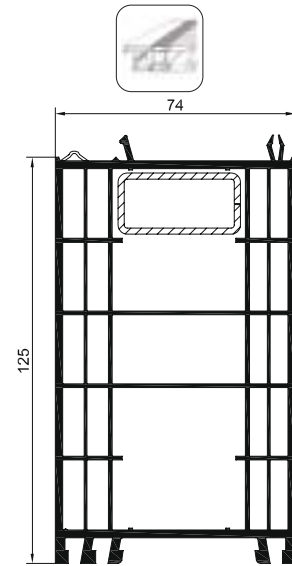
Profile: 2313
Steel 2724*
*Optional



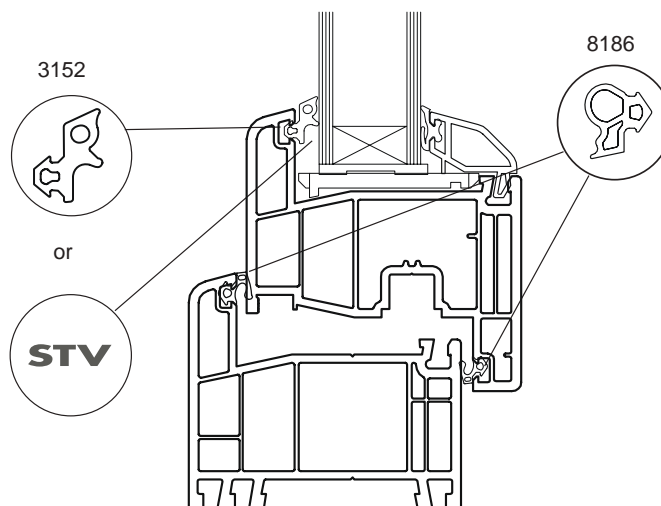
Profile: 7292
Steel 2724*
*Optional



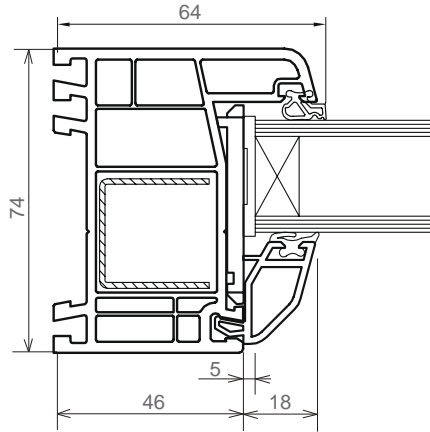
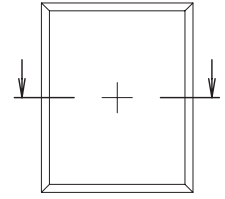
Profile: 2311
Steel 2724*
*Optional



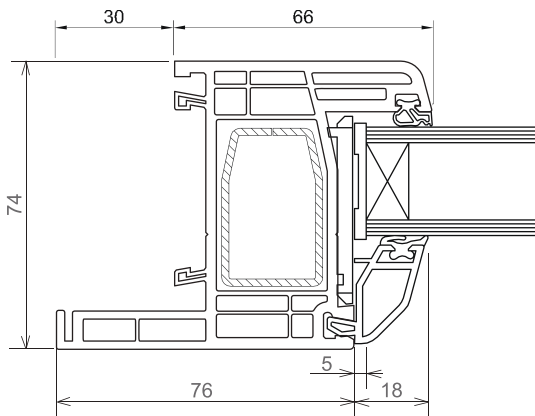
Gasket / Dichtung / *Guarnizione* / Garnitură



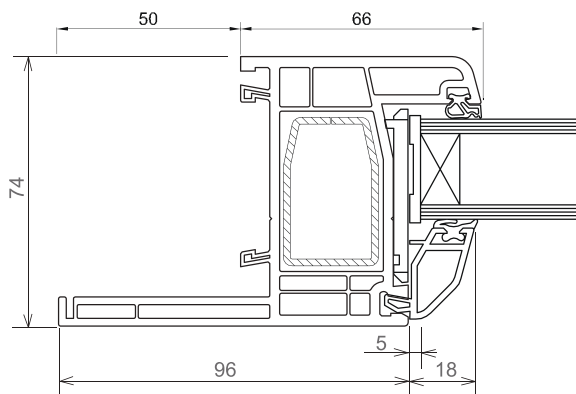
Fixed light / Festfeld / Fissa / Fix



Frame Steel	8032	$I_x=1,74 \text{ cm}^4$ $I_y=1,05 \text{ cm}^4$
	8716	
	28.5x28.5 t=1.5mm	

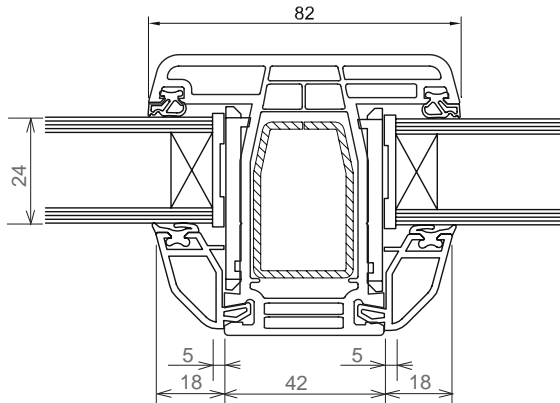
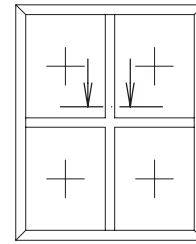


Frame Steel	8030	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
	8701	
	43x27.5 t= 2 mm	

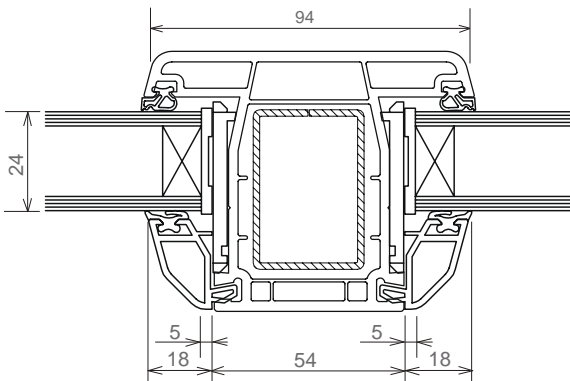


Frame Steel	8027	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
	8701	
	43x27.5 t= 2 mm	

Fixed light with transom / Festfeld Pfosten /
Fissa con montate / Fix cu montant

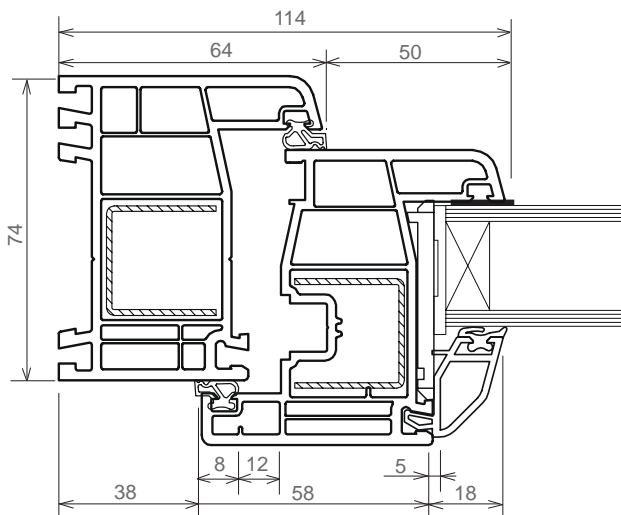
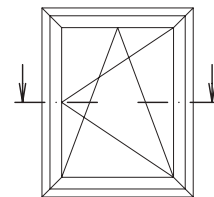


Transom	8039	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
Steel	8701	
	43x27.5	
	t = 2 mm	

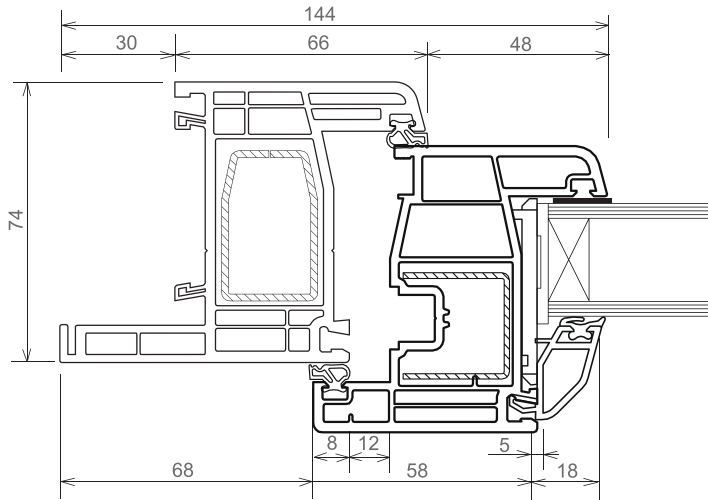


Transom	8040	$I_x=10,20 \text{ cm}^4$ $I_y=5,78 \text{ cm}^4$
Steel	8713	
	49x34	
	t = 2 mm	

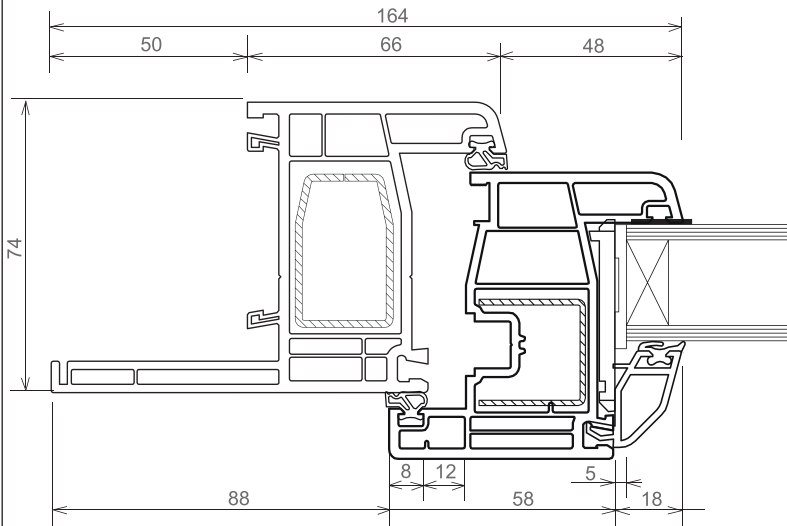
Frame - Sash / Blendrahmen - Flügel /
Telaio - Anta / Toc - Cercevea



Frame	8032	$I_x=1,74 \text{ cm}^4$ $I_y=1,05 \text{ cm}^4$
Steel	8716	
	28.5x28.5 t=1.5 mm	
Sash	8088	$I_x=1,74 \text{ cm}^4$ $I_y=1,05 \text{ cm}^4$
Steel	8716	
	28.5x28.5 t=1.5 mm	

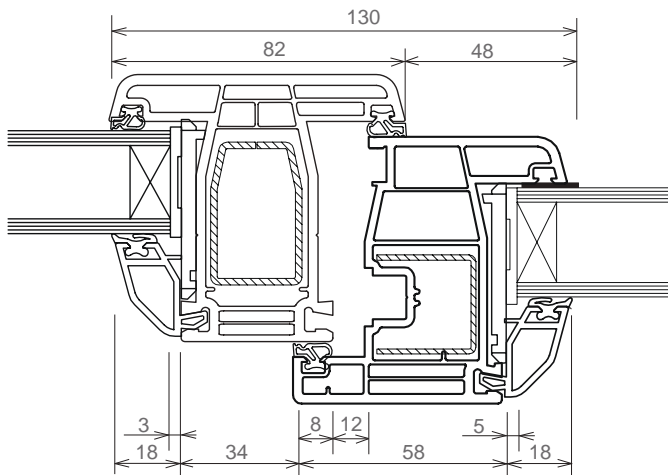
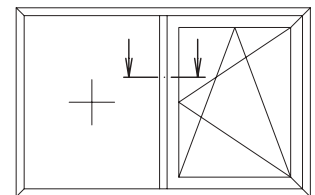


Frame	8030	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
	Steel 8701 43x27.5 t=2 mm	
Sash	8088	$I_x=1,74 \text{ cm}^4$ $I_y=1,05 \text{ cm}^4$
	Steel 8716 28.5x28.5 t=1.5 mm	

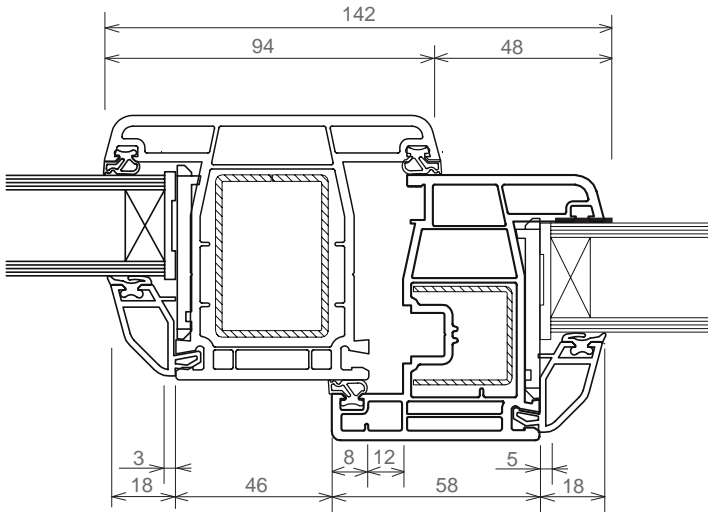


Frame	8027	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
	Steel 8701 43x27.5 t=2 mm	
Sash	8088	$I_x=1,74 \text{ cm}^4$ $I_y=1,05 \text{ cm}^4$
	Steel 8716 28.5x28.5 t=1.5 mm	

**Fixed light - Transom - Sash / Festfeld - Pfosten - Flgel /
Fisso - Montante - Anta / Fix - Montant - Cercevea**

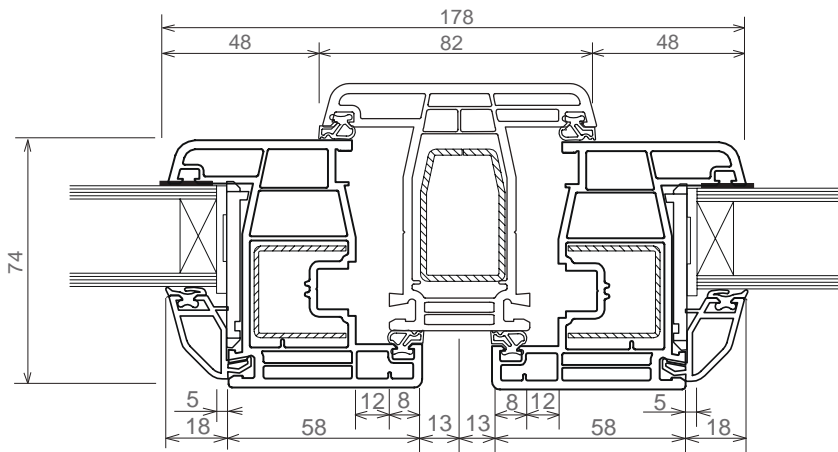
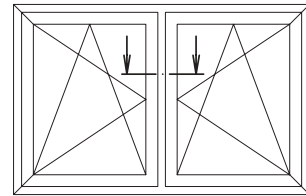


Transom	8039	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
	Steel 8701 43x27.5 t=2 mm	
Sash	8088	$I_x=1,74 \text{ cm}^4$ $I_y=1,05 \text{ cm}^4$
	Steel 8716 28.5x28.5 t=1.5 mm	

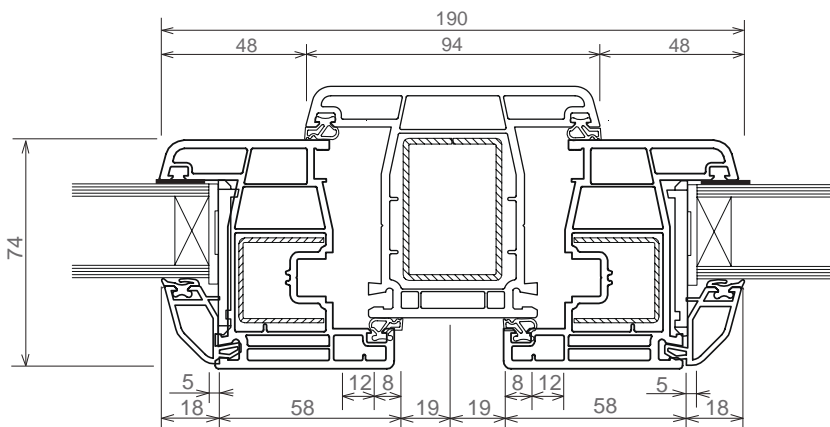


Transom	8040	
Steel	8713	$I_x=10,20 \text{ cm}^4$
	49x34	$I_y=5,78 \text{ cm}^4$
	t = 2 mm	
Sash	8088	
Steel	8716	$I_x=1,74 \text{ cm}^4$
	28.5x28.5	$I_y=1,05 \text{ cm}^4$
	t=1.5 mm	

Sash - Transom - Sash / Flügel Pfosten Flügel /
Anta - Montante Anta / Cercevea - Montant - Cercevea

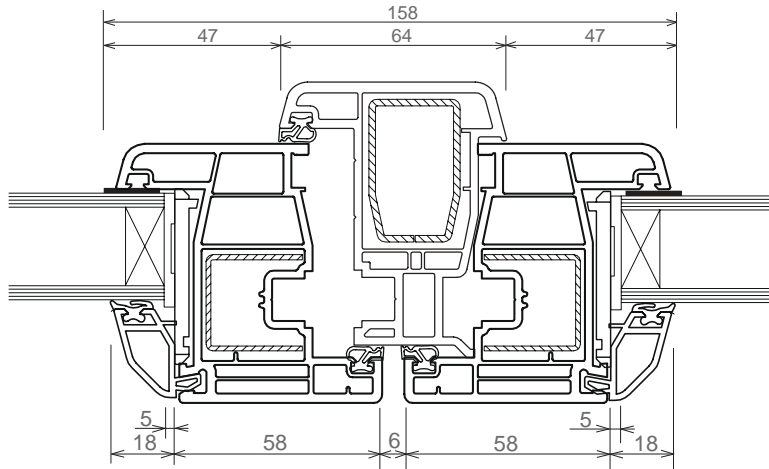
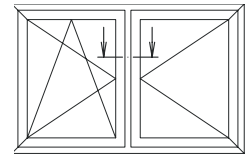


Sash	8088	
Steel	8716	$I_x=1,74 \text{ cm}^4$
		$I_y=1,05 \text{ cm}^4$
Transom	8039	
Steel	8701	$I_x=5,92 \text{ cm}^4$
	43x27.5	$I_y=2,87 \text{ cm}^4$
	t=2 mm	
Sash	8088	
Steel	8716	$I_x=1,74 \text{ cm}^4$
		$I_y=1,05 \text{ cm}^4$



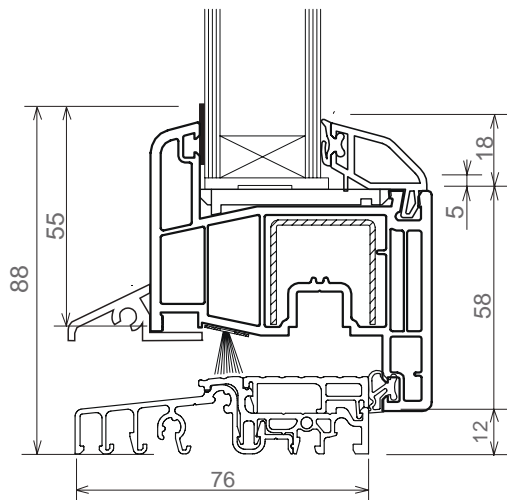
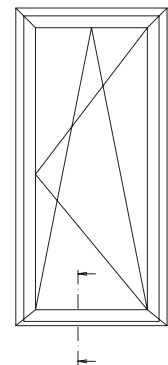
Sash	8088	
Steel	8716	$I_x=1,74 \text{ cm}^4$
		$I_y=1,05 \text{ cm}^4$
Transom	8040	
Steel	8713	$I_x=10,20 \text{ cm}^4$
	49x34	$I_y=5,78 \text{ cm}^4$
	t = 2 mm	
Sash	8088	
Steel	8716	$I_x=1,74 \text{ cm}^4$
		$I_y=1,05 \text{ cm}^4$

**Sash - Floating Mullion - Sash / Flügel - Stulp - Flügel /
Anta - Profilo Riporto - Anta / Cercevea - Ștulp - Cercevea**



Sash	8088	
Steel	8716	$I_x=1,74 \text{ cm}^4$ $I_y=1,05 \text{ cm}^4$
Floating Mullion	8080	
Steel	8701 43x27.5 t=2 mm	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
Sash	8088	
Steel	8716	$I_x=1,74 \text{ cm}^4$ $I_y=1,05 \text{ cm}^4$

**Threshold - Sash / Schwellenprofil - Flügel /
Soglia - Anta / Prag - Cercevea**

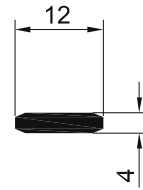
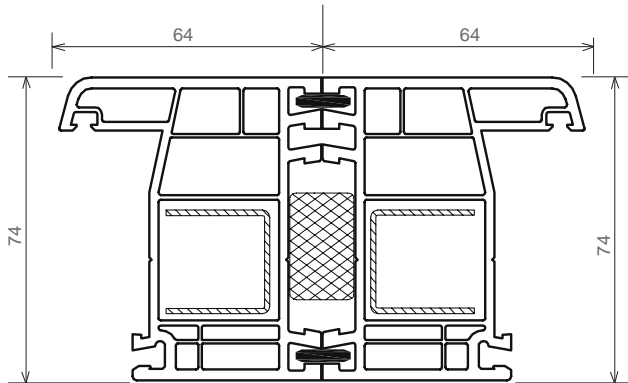


Threshold	6861501	
Sash	8088	
Steel	8716 28.5x28.5 t=1.5 mm	$I_x=1,74 \text{ cm}^4$ $I_y=1,05 \text{ cm}^4$

PERFORMER 74
RONDO
STYLE 76
PASIV 82
KUBUS
PREMIDOOR 76
PREMIDOOR 88
PREMILINE
BESCHLAG
HARDWARE
GLAS
GLASS
ROLLO TOP
ROLLO FRONT
BORA
HERCULES 70

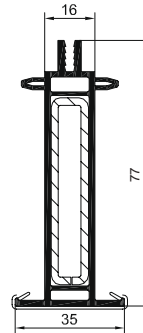
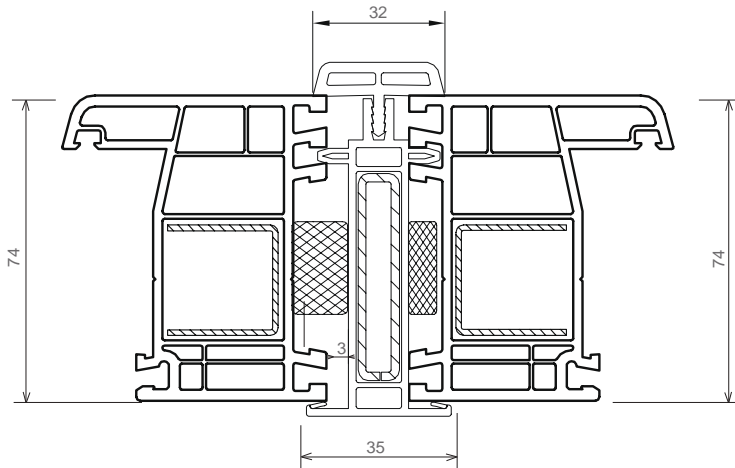
**Coupling profiles / Kopplungsprofile /
Profili di accoppiamento / Profile de cuplare**

**Coupling profile gasket / Kopplungsdichtung /
Guarnizione giunto / Garnitură de cuplare**



500730

**H coupler / H Kopplung / Profilo di accoppiamento /
Profil cuplare ranforsat**

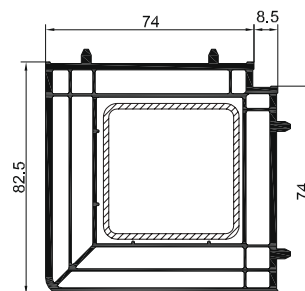
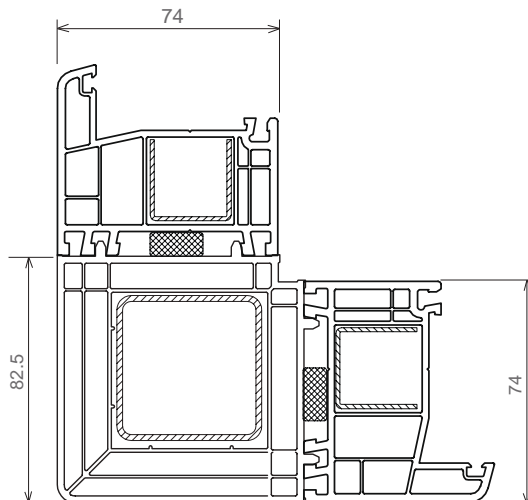


7281

Steel 7796

$I_x=9,19\text{cm}^4$

**Corner coupling 90° / Eckkopplung 90° /
Giunto angolare 90° / Profil cuplare 90°**

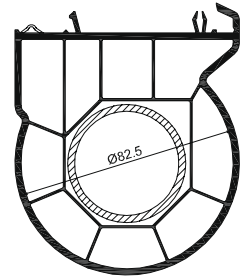
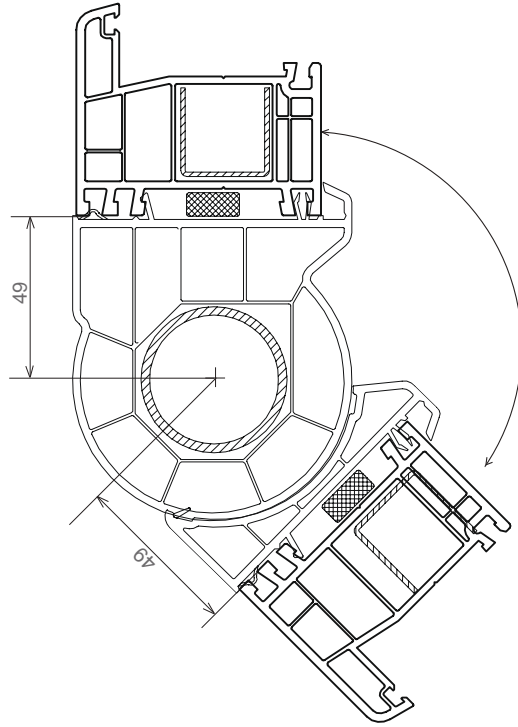


2304

Steel 7718

$I_x=7,11\text{cm}^4$

Bay pole / Eckkopplung variabel / *Giunto angolare variabile* / Profil cuplare unghi variabil

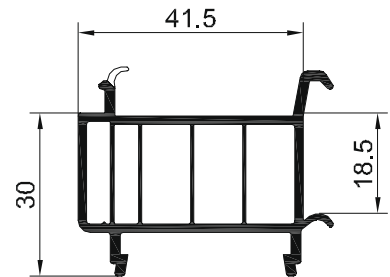
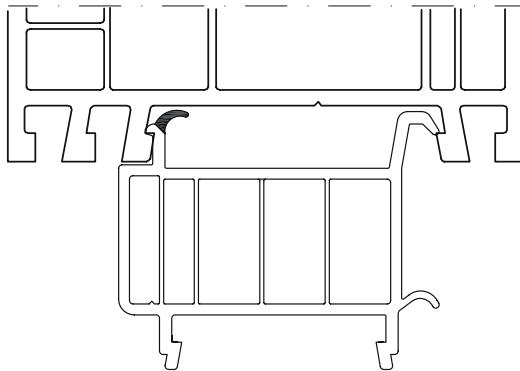


2233
Steel 7711
 $I_x=7,54 \text{ cm}^4$

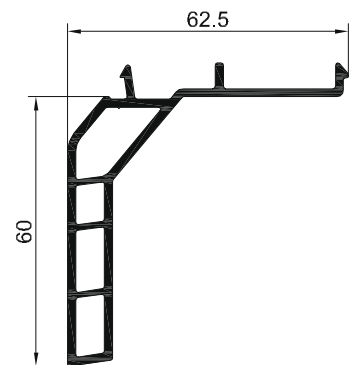
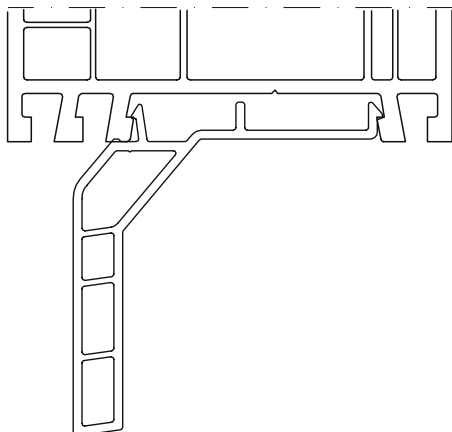


2234

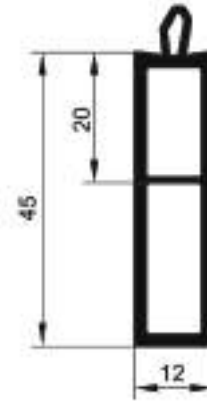
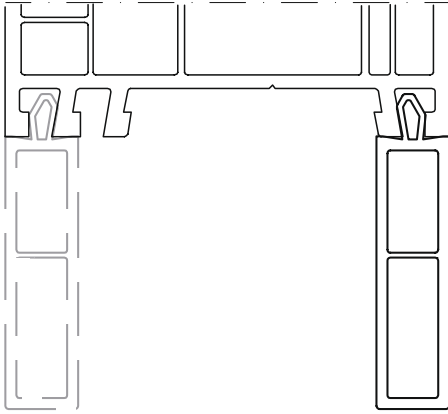
Base profiles / Sohlbankprofile /
Profilo appoggio inferiore / Profile supraînălțare pervaz



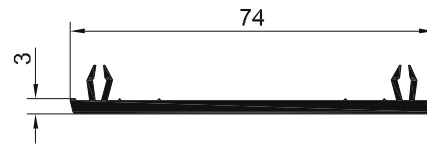
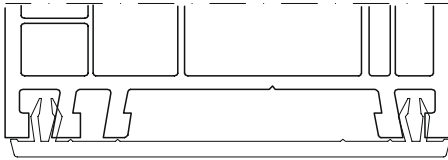
7205



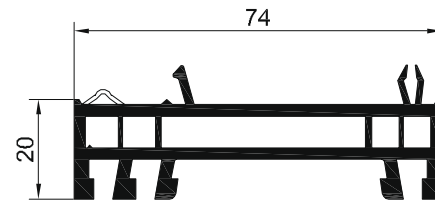
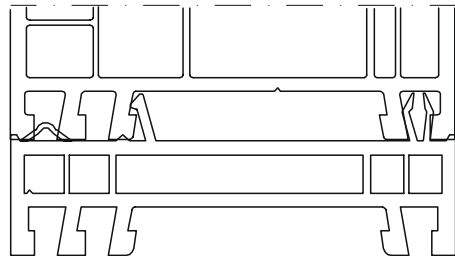
7209



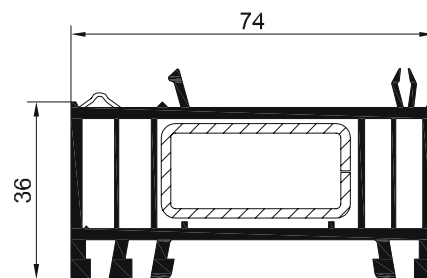
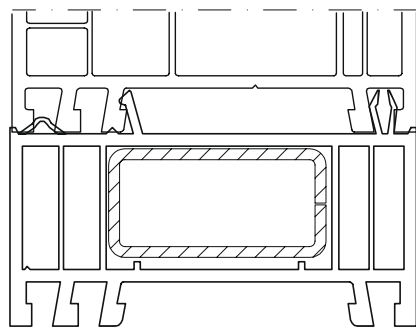
3217



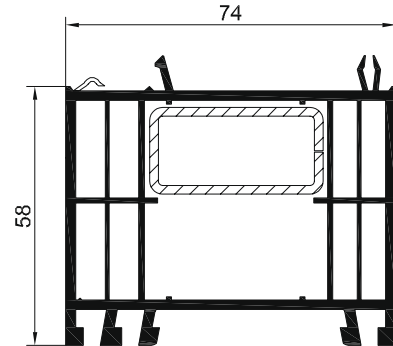
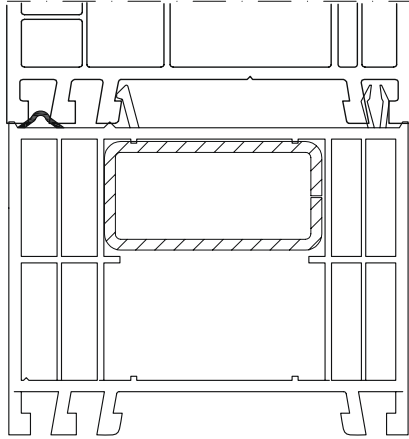
7310



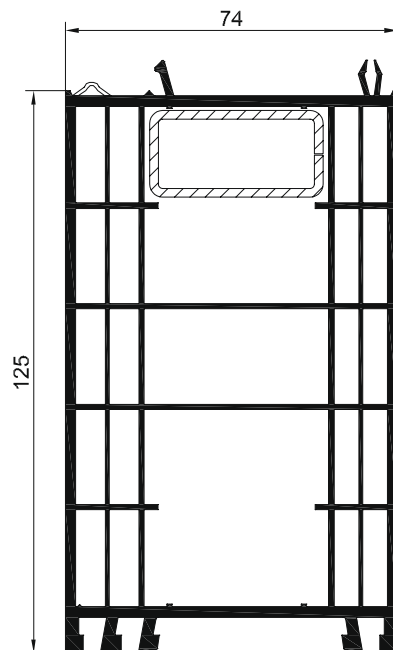
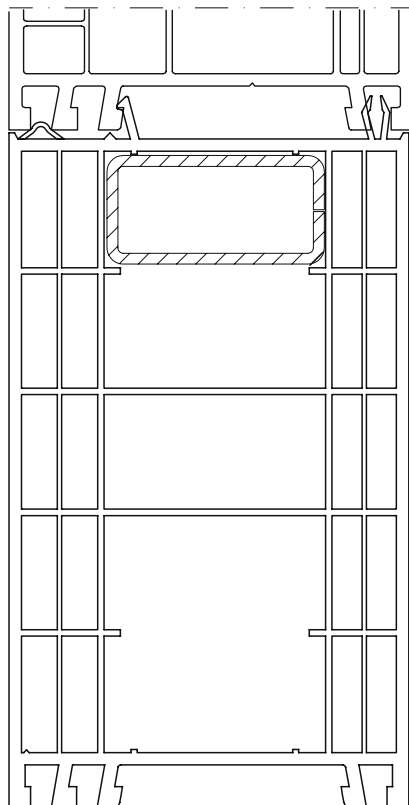
2315



2313
Steel 2724*
*Optional



7292
Steel 2724*
*Optional

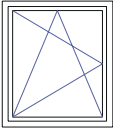


2311
Steel 2724*
*Optional

PERFORMER 74
RONDO
STYLE 76
PASIV 82
KUBUS
PREMIDOOR 76
PREMIDOOR 88
PREMILINE
BESCHLÄG
HARDWARE
GLASS
ROLLO TOP
ROLLO FRONT
BORA
HERCULES 70

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

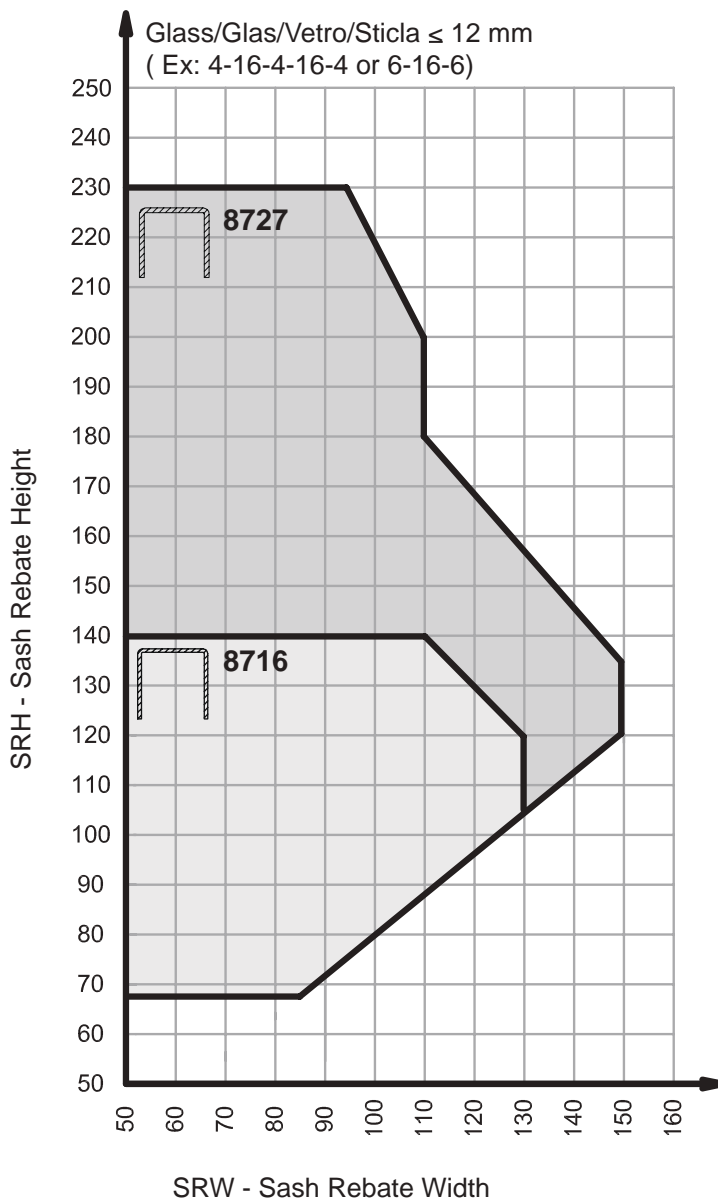
Opening types



Profile: **WHITE** / WEISS / BIANCO / ALB

Glass: $\leq 30 \text{ kg/m}^2$

Sash: Standard

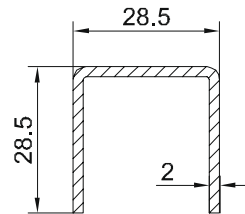


Steel

8727

28.5x28.5 $I_x=2,20 \text{ cm}^4$

t=2 mm

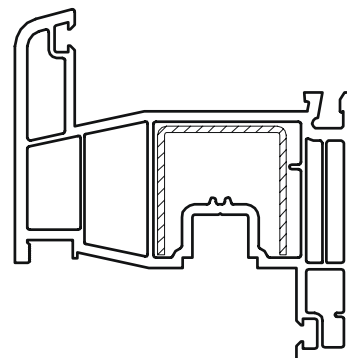
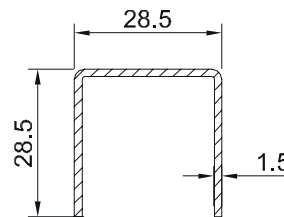


Steel

8716

28.5x28.5 $I_x=1,74 \text{ cm}^4$

t=1.5 mm



Sash 8088

The sash width must not be greater than the sash height by more than 25%

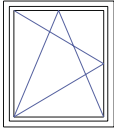
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

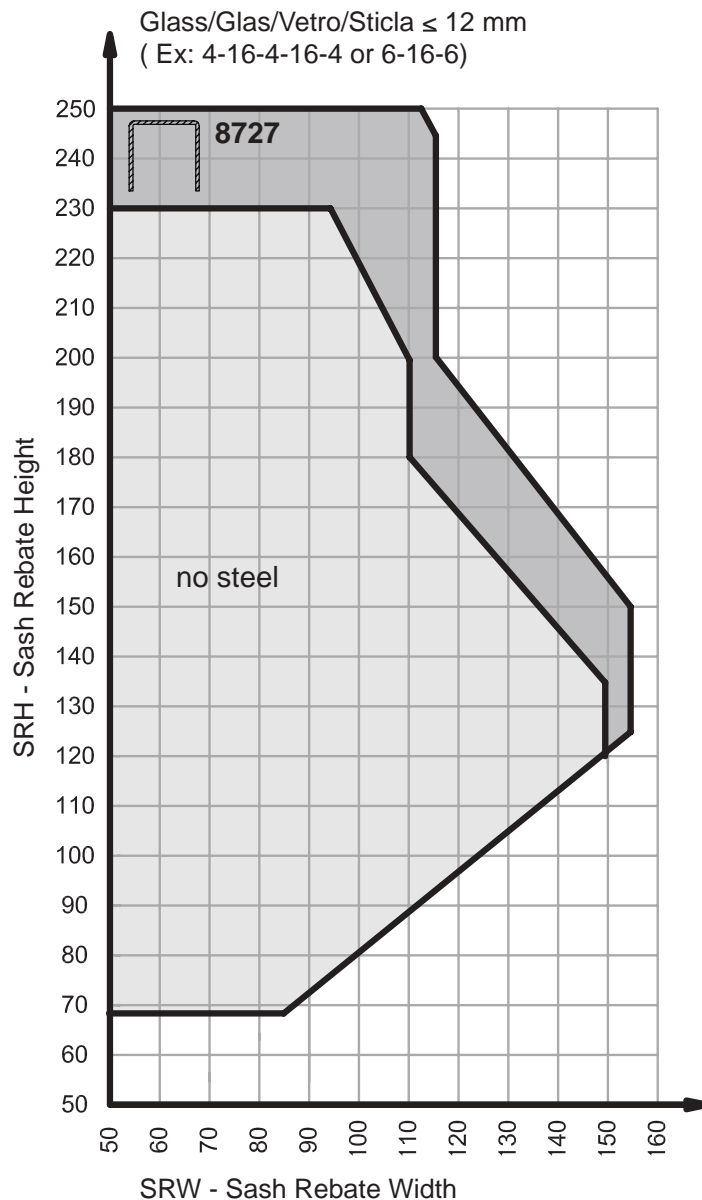
Opening types



Profile: **WHITE / WEISS / BIANCO / ALB**

Glass: $\leq 30 \text{ kg/m}^2$

Sash: STV

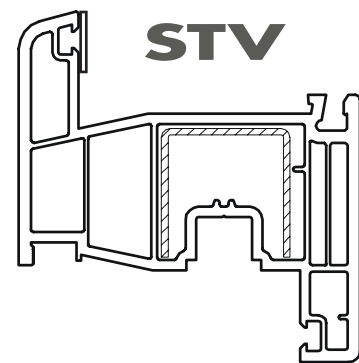
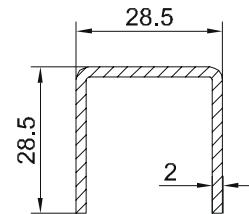


Steel

8727

28.5x28.5 $I_x=2,20 \text{ cm}^4$

t=2 mm



Sash 8088A

The sash width must not be greater than the sash height by more than 25%

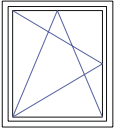
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

Opening types



Profile: **COLOR / FARBE / PELLICOLATO / COLOR**

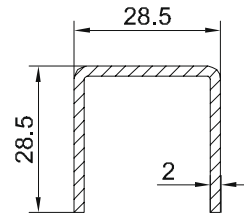
Glass: $\leq 30 \text{ kg/m}^2$

Sash: Standard

Steel

8727

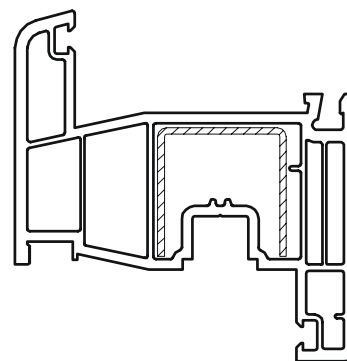
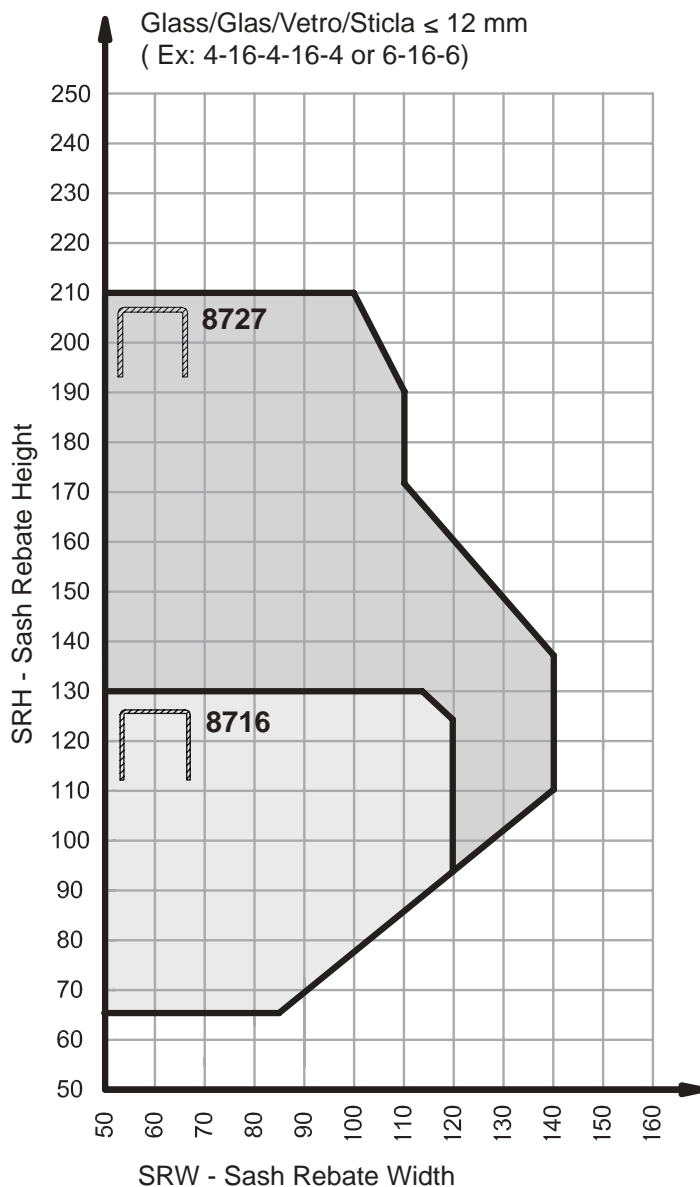
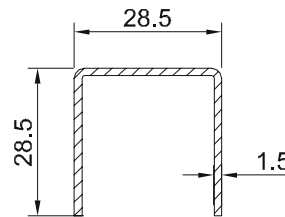
28.5x28.5 $I_x=2,20 \text{ cm}^4$
t=2 mm



Steel

8716

28.5x28.5 $I_x=1,74 \text{ cm}^4$
t=1.5 mm



Sash 8088

The sash width must not be greater than the sash height by more than 25%

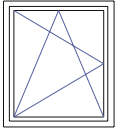
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

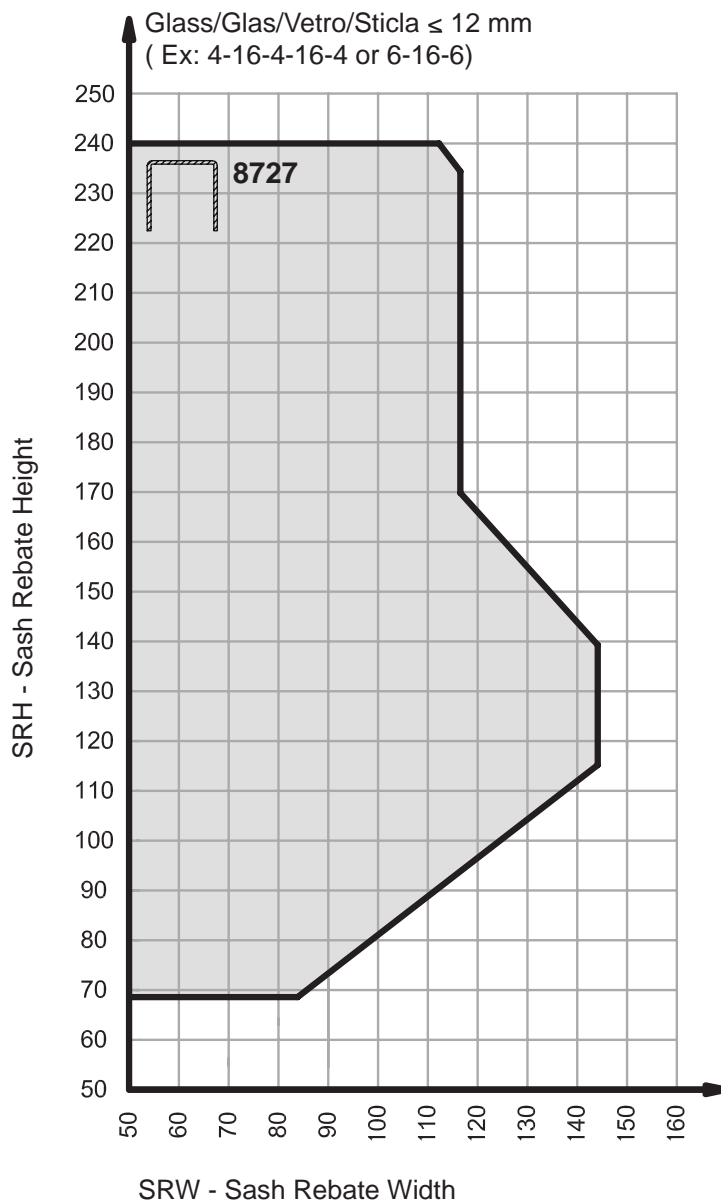
Opening types



Profile: **COLOR / FARBE / PELLICOLATO / COLOR**

Glass: $\leq 30 \text{ kg/m}^2$

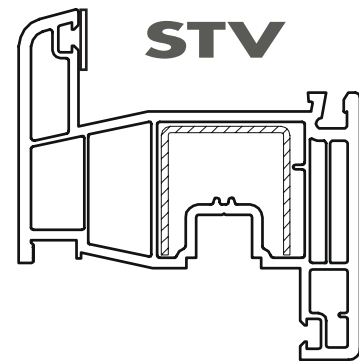
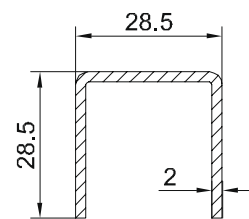
Sash: STV



Steel

8727

28.5x28.5 $I_x=2,20 \text{ cm}^4$
 $t=2 \text{ mm}$



Sash 8088A

The sash width must not be greater than the sash height by more than 25%

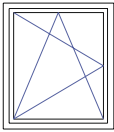
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

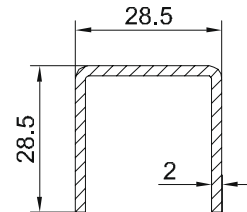
Opening types



Profile: **WHITE and COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB si COLOR
Glass: $\leq 50 \text{ kg/m}^2$
Sash: Standard

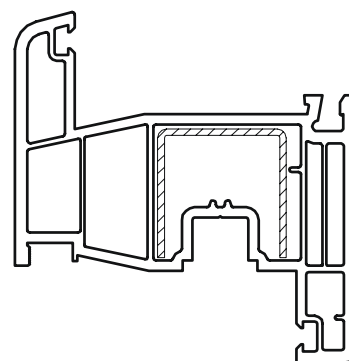
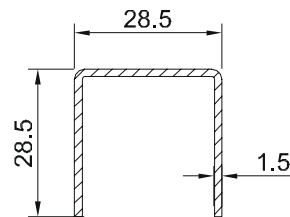
Steel

8727
28.5x28.5 $I_x=2,20 \text{ cm}^4$
t=2 mm

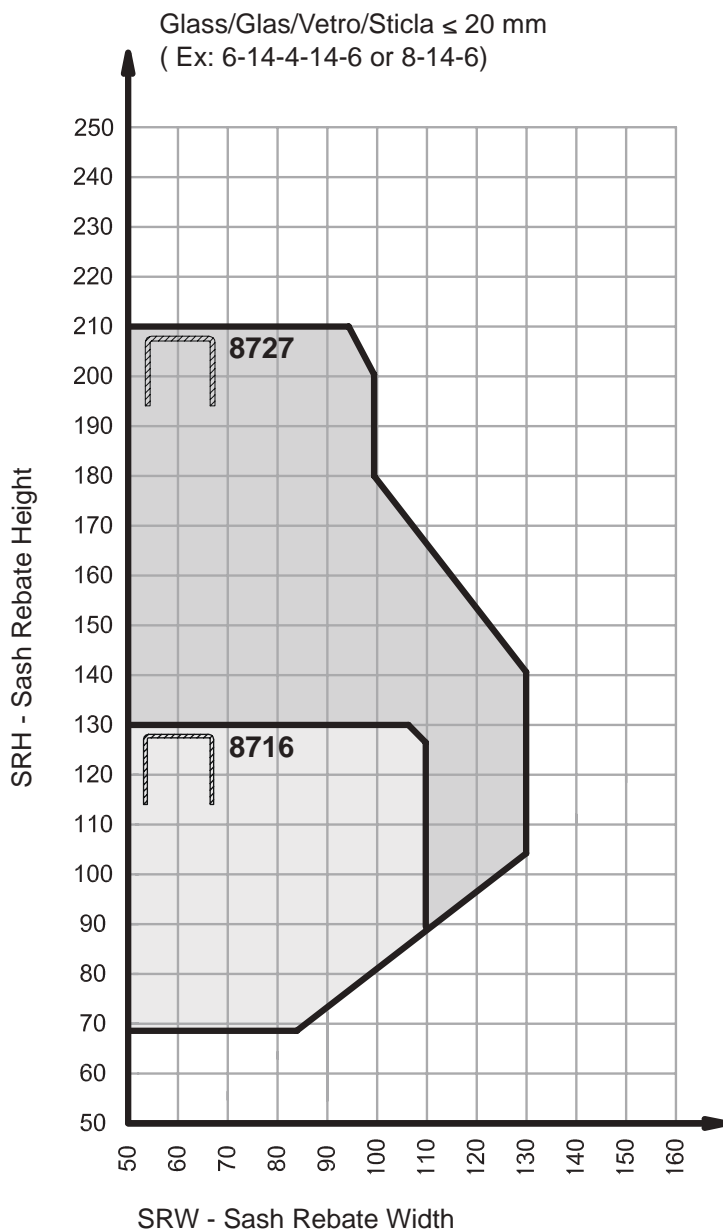


Steel

8716
28.5x28.5 $I_x=1,74 \text{ cm}^4$
t=1.5 mm



Sash 8088



The sash width must not be greater than the sash height by more than 25%

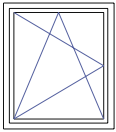
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lăţimea cercevelei nu trebuie să depăşească înălţimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

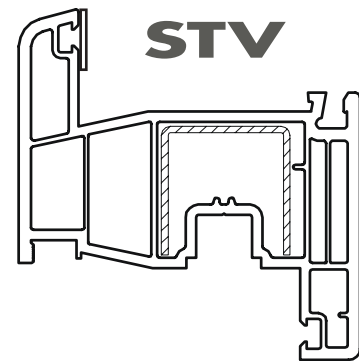
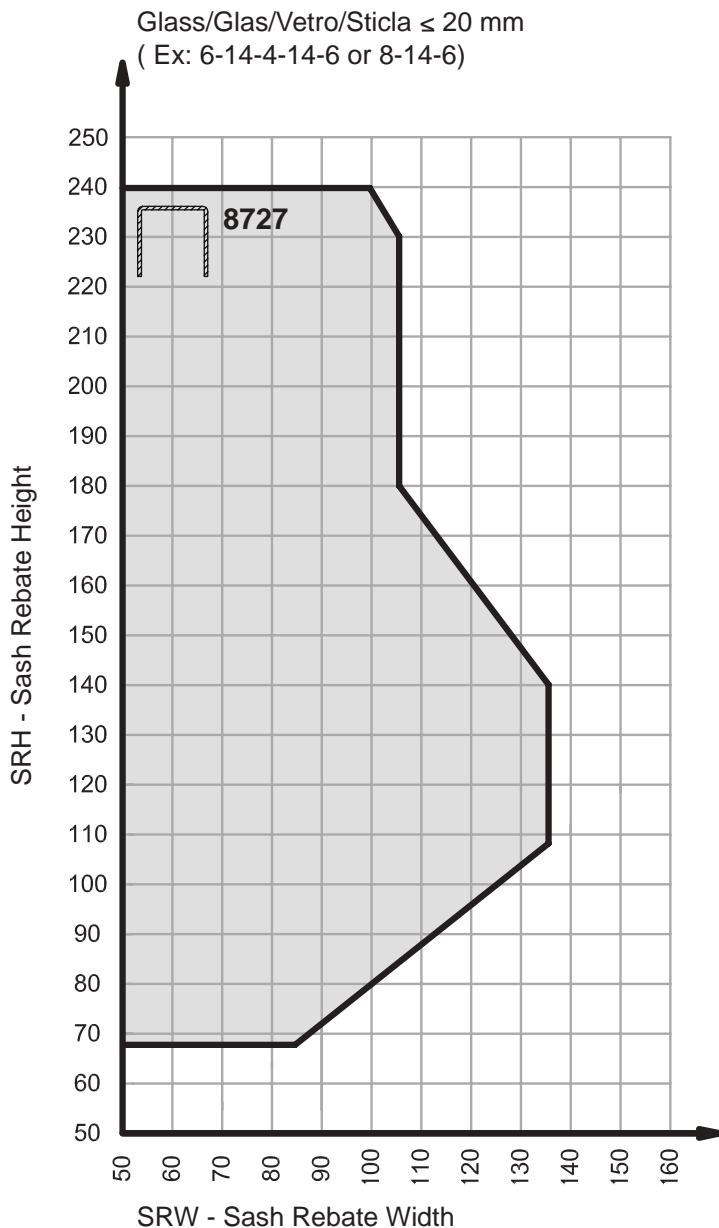
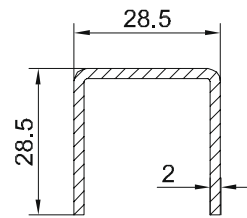
Opening types



Profile: **WHITE** and **COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB și COLOR
Glass: $\leq 50 \text{ kg/m}^2$
Sash: STV

Steel

8727
28.5x28.5 $I_x=2,20 \text{ cm}^4$
t=2 mm



Sash 8088A

The sash width must not be greater than the sash height by more than 25%

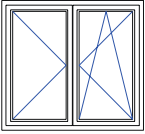
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

Opening types



Profile: **WHITE** / WEISS / BIANCO / ALB

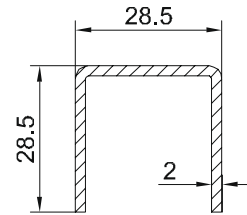
Glass: $\leq 30 \text{ kg/m}^2$

Sash: Standard

Steel

8727

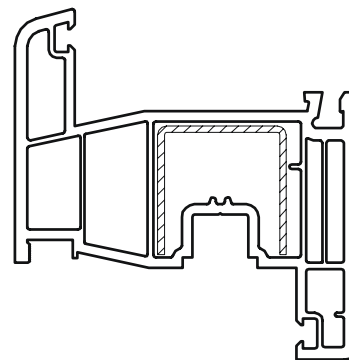
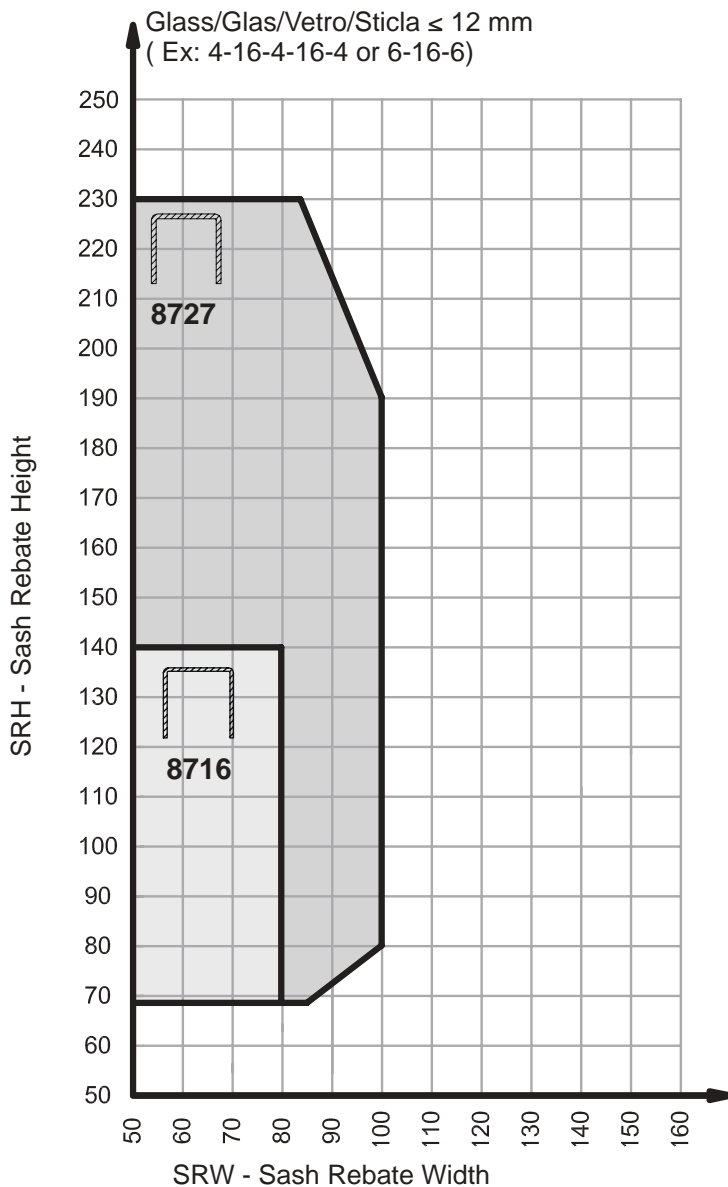
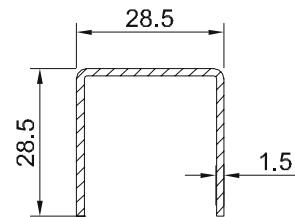
28.5x28.5 $I_x=2,20 \text{ cm}^4$
t=2 mm



Steel

8716

28.5x28.5 $I_x=1,74 \text{ cm}^4$
t=1.5 mm



Sash 8088

The sash width must not be greater than the sash height by more than 25%

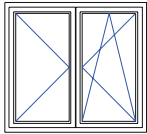
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

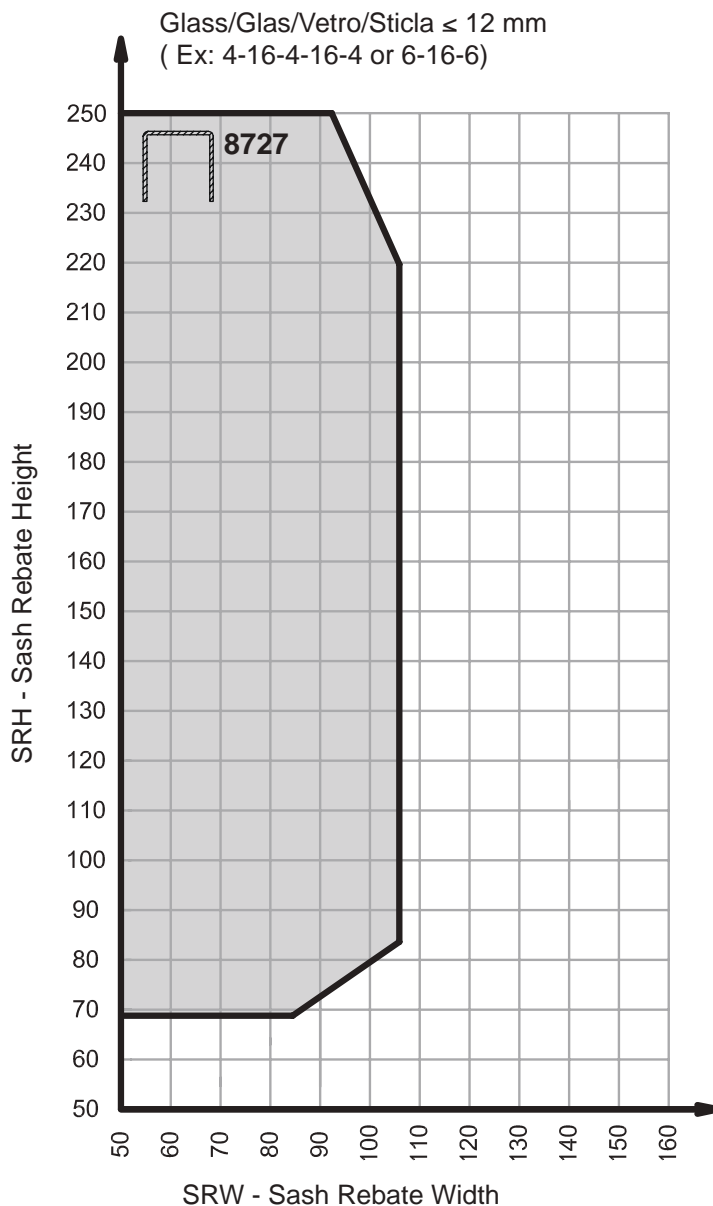
Opening types



Profile: **WHITE / WEISS / BIANCO / ALB**

Glass: $\leq 30 \text{ kg/m}^2$

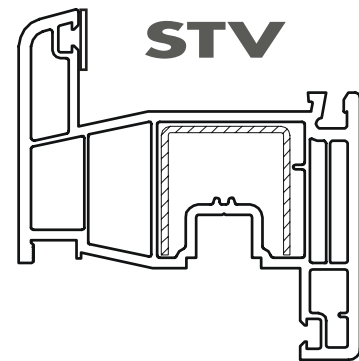
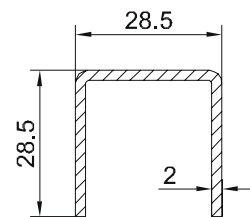
Sash: STV



Steel

8727

28.5x28.5 $I_x=2,20 \text{ cm}^4$
t=2 mm



Sash 8088A

The sash width must not be greater than the sash height by more than 25%

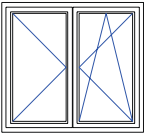
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

Opening types



Profile: **COLOR / FARBE / PELLICOLATO / COLOR**

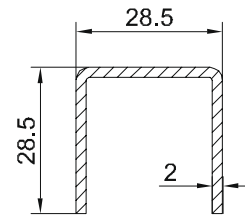
Glass: $\leq 30 \text{ kg/m}^2$

Sash: Standard

Steel

8727

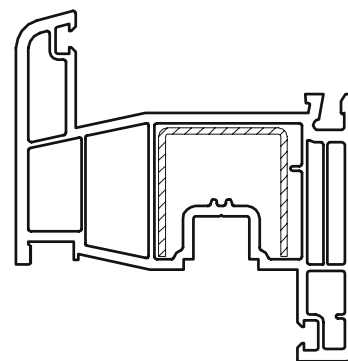
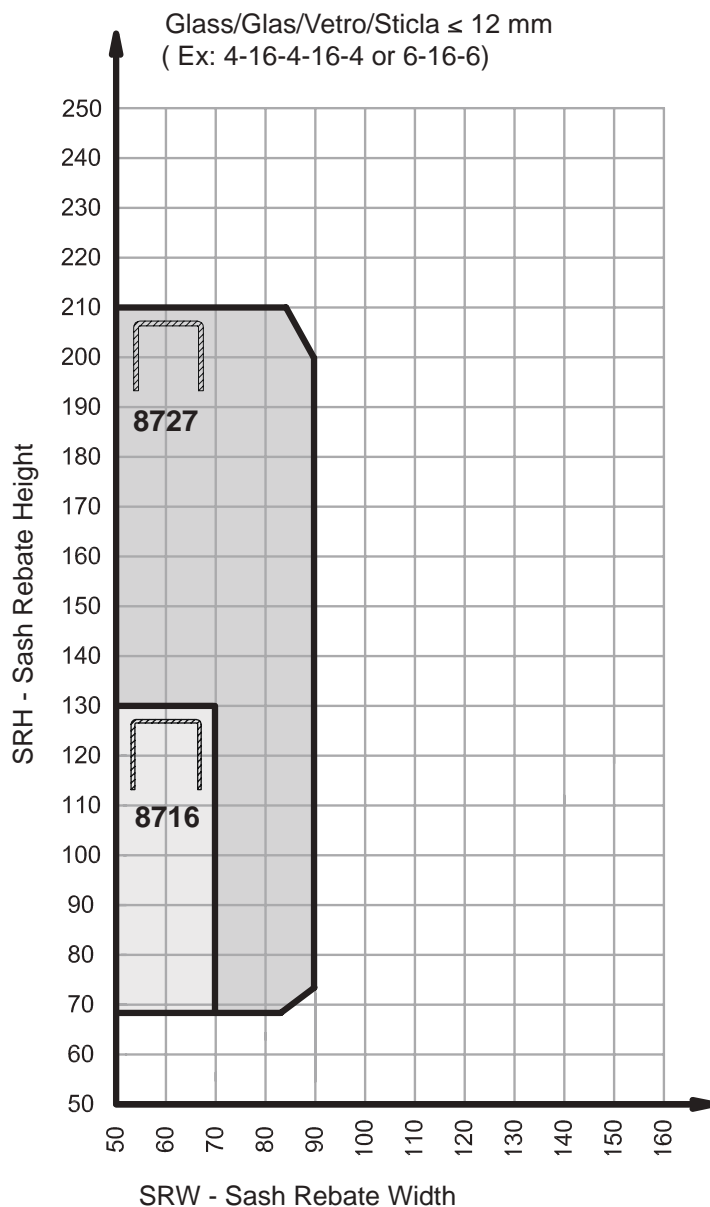
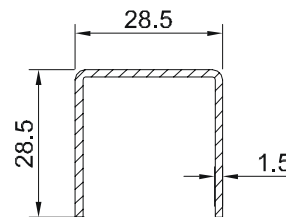
28.5x28.5 $I_x=2,20 \text{ cm}^4$
t=2 mm



Steel

8716

28.5x28.5 $I_x=1,74 \text{ cm}^4$
t=1.5 mm



Sash 8088

The sash width must not be greater than the sash height by more than 25%

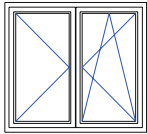
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

**Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră**

Opening types



Profile: **COLOR / FARBE / PELLICOLATO / COLOR**

Glass: $\leq 30 \text{ kg/m}^2$

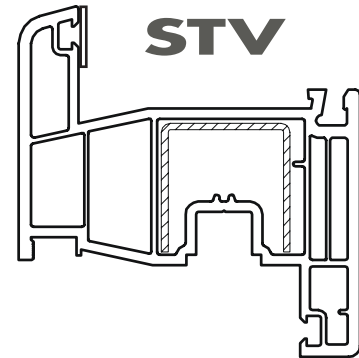
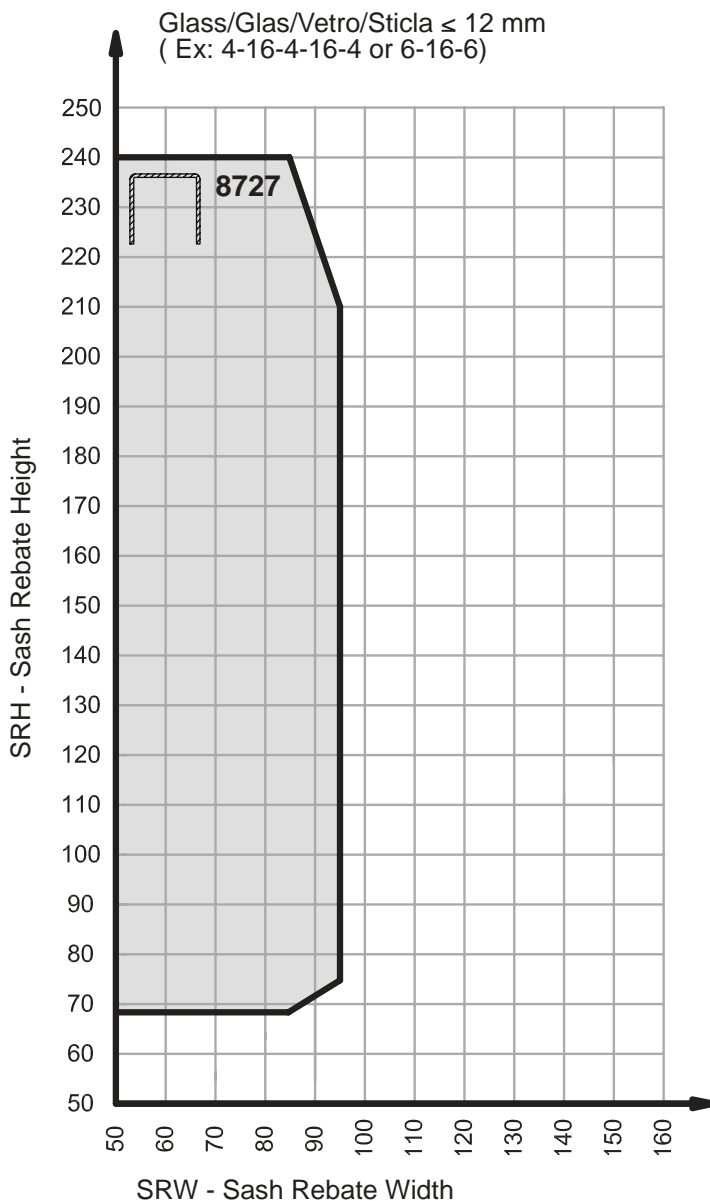
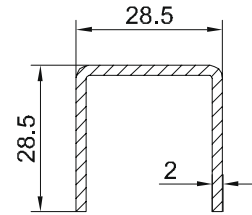
Sash: STV

Steel

8727

28.5x28.5 $I_x=2,20 \text{ cm}^4$

t=2 mm



Sash 8088A

The sash width must not be greater than the sash height by more than 25%

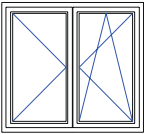
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

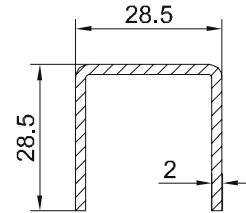
Opening types



Profile: **WHITE and COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB si COLOR
Glass: $\leq 50 \text{ kg/m}^2$
Sash: Standard

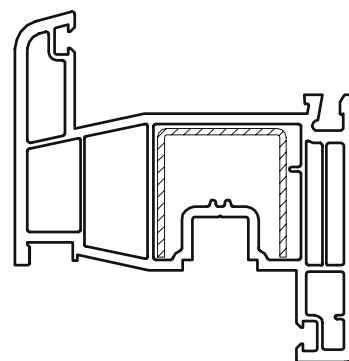
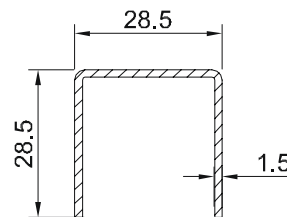
Steel

8727
28.5x28.5 $I_x=2,20 \text{ cm}^4$
t=2 mm

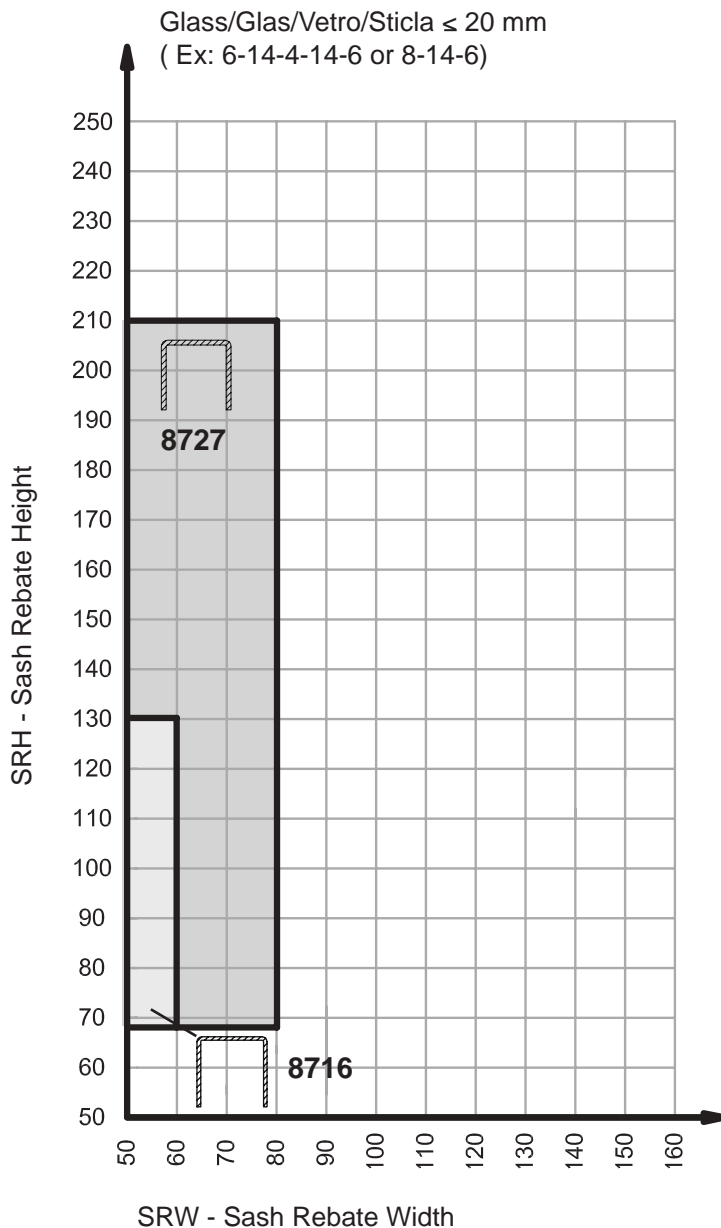


Steel

8716
28.5x28.5 $I_x=1,74 \text{ cm}^4$
t=1.5 mm



Sash 8088



The sash width must not be greater than the sash height by more than 25%

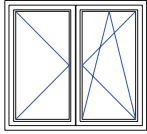
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

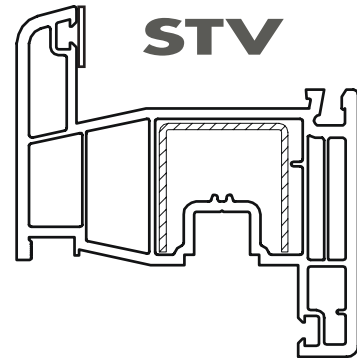
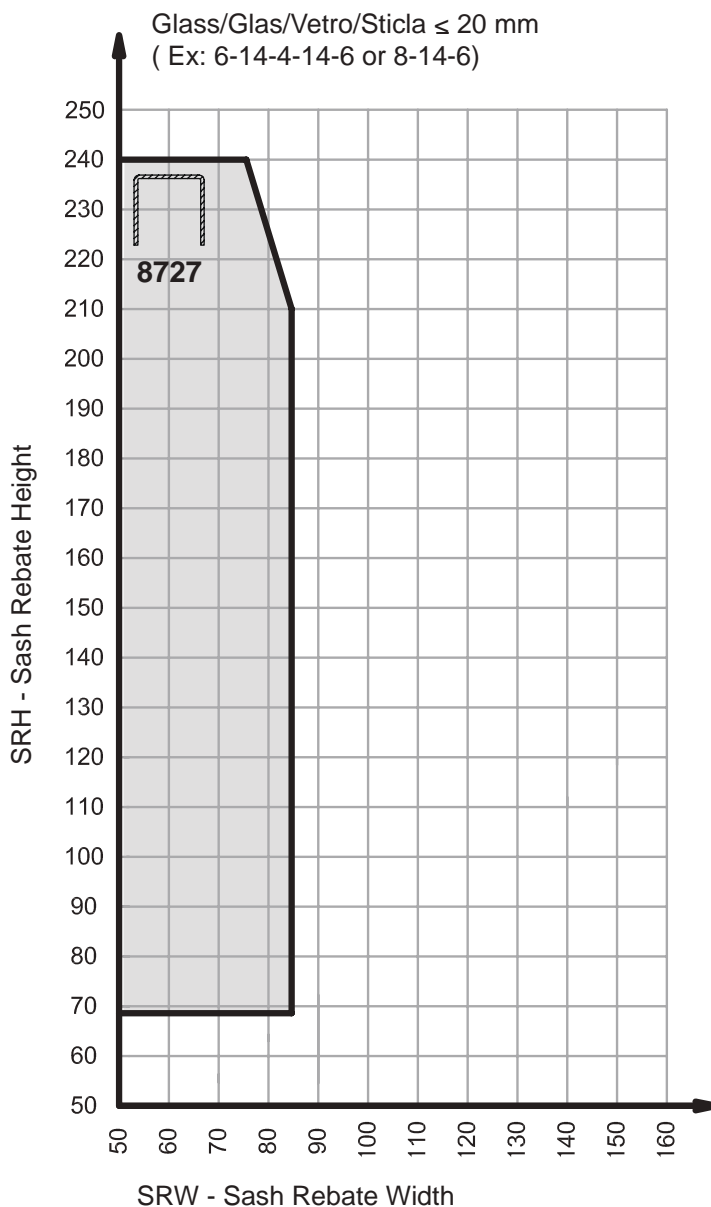
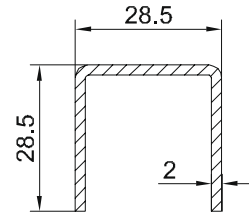
Opening types



Profile: **WHITE** and **COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB și COLOR
Glass: $\leq 50 \text{ kg/m}^2$
Sash: STV

Steel

8727
28.5x28.5 $I_x=2,20 \text{ cm}^4$
t=2 mm



Sash 8088A

The sash width must not be greater than the sash height by more than 25%

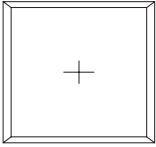
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

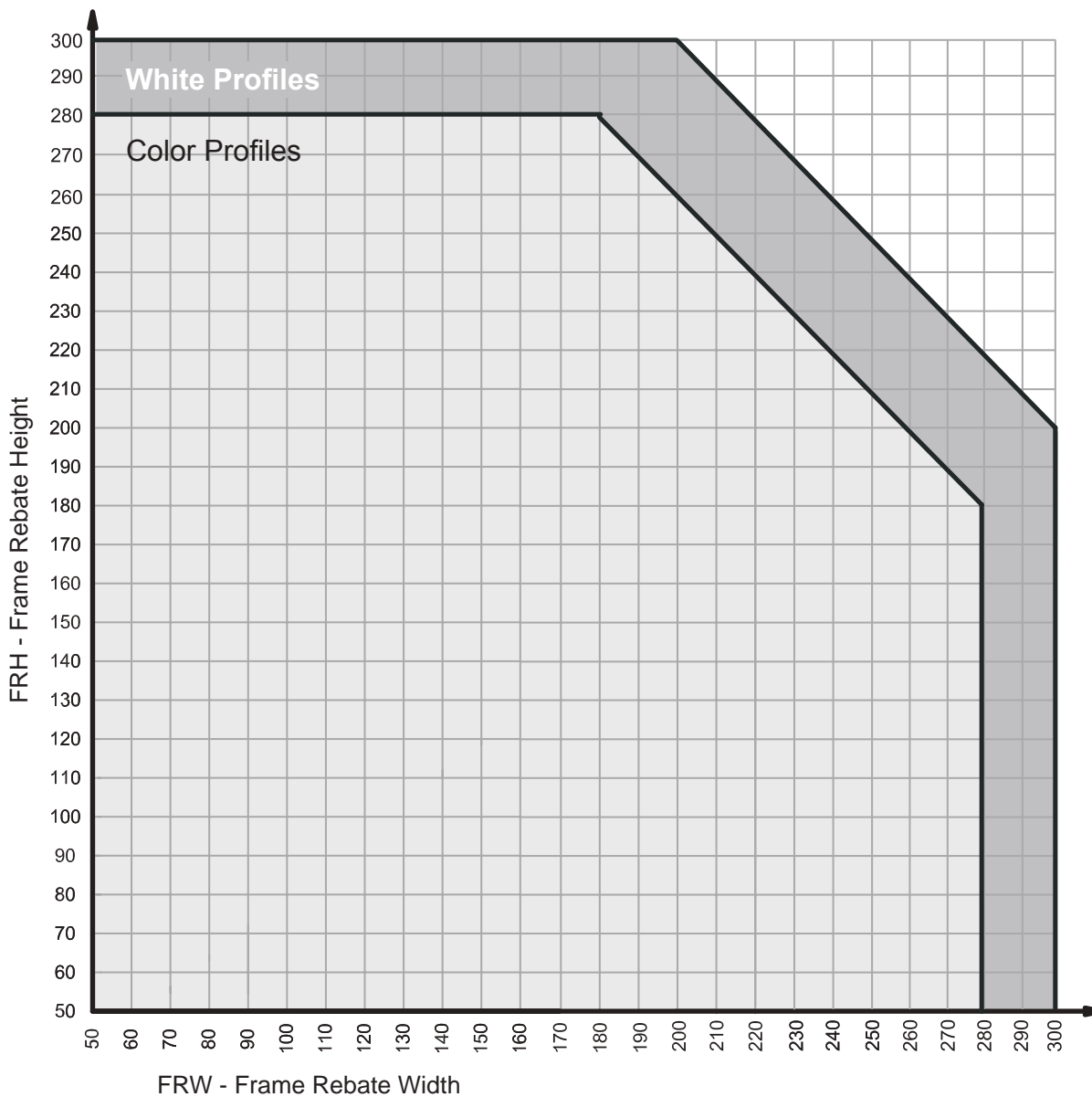
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Frame Maximum Sizes / Fenster Blendrahmengrößen Diagramme /
Campi d'applicazione Telaio Finestra / Dimensiuni maxime toc fereastră

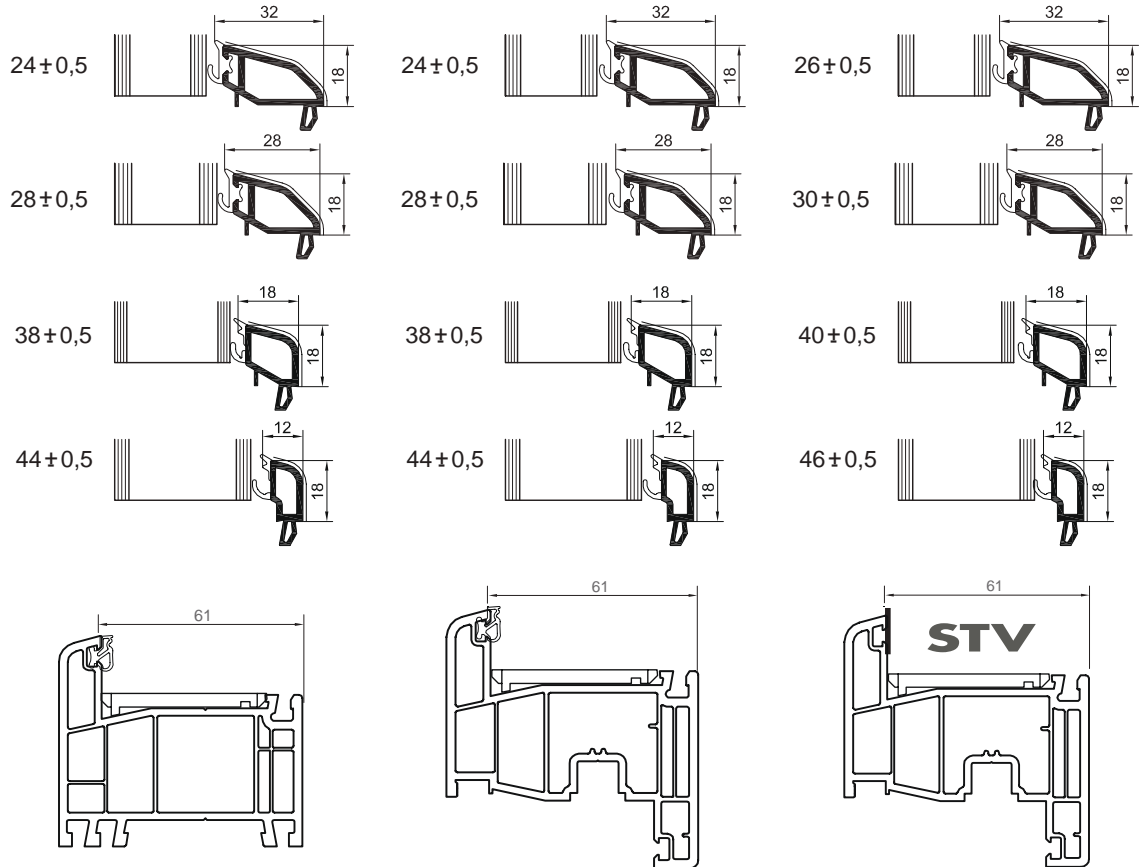
Opening types


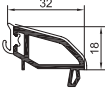








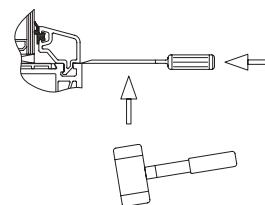
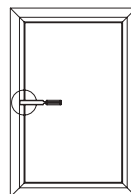
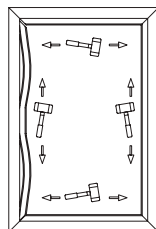
Profile: **WHITE** and **COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB si COLOR



Glazing Beads / Glasleiste / Fermavetri / Baghete de fixare geam



Profile	Glass / Glas / Vetro / Sticlă	Glazing bead / Glasleiste Fermavetro / Baghetă	Gasket / Dichtung Guarnizione / Garnitură
Frame 8032, 8030, 8027 Sash 8088 Mullion 8080	 24 mm	7124 	black or gray
Frame 8032, 8030, 8027 Sash 8088 Mullion 8080	 28 mm	7128 	black or gray
Frame 8032, 8030, 8027 Sash 8088 Mullion 8080	 38 mm	7138 	black or gray
Frame 8032, 8030, 8027 Sash 8088 Mullion 8080	 44 mm	7144 	black or gray



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RONDO

Profile system Gealan S8000 with 6 chambers

Profilsystem Gealan S8000 mit 6 Kammer
 Sistema di profili Gealan S8000 con 6 camere
 Sistemul de profile cu 6 camere Gealan S8000



Profile System Manufacturer
 Gealan Fenster-Systeme GmbH
 Hofer Strasse 80, Oberkotzau
 Deutschland



Heat transfer coefficient
 Wärmedurchgangskoeffizient
Trasmittanza termica
 Transmitanta termica
up to
 bis
fino a
 pana la $U_f = 1,2 \text{ W/(m}^2\text{K)}$



Resistance to wind load
 Widerstandsfähigkeit
 gegen Windlast
Resistenza ai carichi di vento
 Rezistentă la încărcarea din vant
up to
 bis
fino a
 pana la Clasa C5/B5



Tightness against driving rain - unprotected (A)
 Schlagregendichtheit - Ungeschützt (A)
Tenuta all'acqua metodo di prova A
 Etanșeitatea la apă expunere directă
up to
 bis
fino a
 pana la 9A



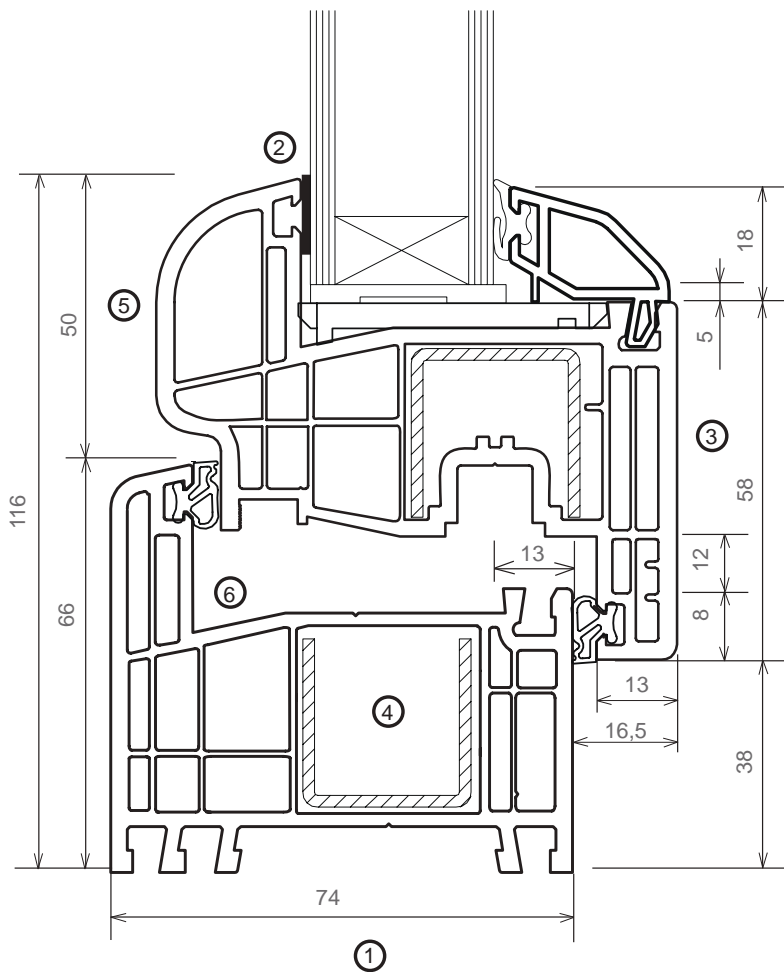
Air permeability
 Luftdurchlässigkeit
Tenuta all'aria
 Permeabilitatea aerului
up to
 bis
fino a
 pana la Clasa 4



Sound insulation
 Schallschutz
L'isolamento acustico
 Izolarea acustică
up to
 bis
fino a
 pana la 47 dB



Burglar-resistant
 Einbruchhemmung
Resistenza anti-effrazione
 Rezistentă anti-efracție
up to
 bis
fino a
 pana la RC 2 (WK 2)

System features / Systemmerkmale / *Caratteristiche del sistema* / Caracteristici Sistem


1. A construction depth of 74 mm ensures excellent heat and sound insulation
2. GEALAN-STV® is the ground-breaking system for bonding panes and casement, that delivers decisive benefits
3. Efficient use of material in the profile design saves resources and thus helps the environment
4. Very good rigidity due to large steel stiffeners in the frame and sash
5. Available in either flat profile with a bevelled glazing bead, or semiflush with round glazing beads
6. Easy to clean, thanks to a generously large sash rebate

GER

1. 74 mm Bautiefe sorgen für gute Wärme- und Schalldämmung
2. GEALAN-STV® ist das bahnbrechende System, um Scheibe und Flügelüberschlag trocken zu verkleben
3. Materialoptimierte Profilgeometrie schont Ressourcen und damit die Umwelt
4. Gute Stabilität durch große Stahlaussteifungen in Blendrahmen und Flügel
5. Klassische Linienführung der harmonisch abgestuften Außenansicht
6. Hohe Reinigungsfreundlichkeit durch groß dimensionierten Blendrahmenfalz

ITL

1. *Profondità di costruzione del telaio 74 mm che assicura un'eccellente isolamento termico e acustico*
2. *STV® - GEALAN è il sistema rivoluzionario, di incollaggio a secco tra vetro e la battuta dell'anta che fornisce dei vantaggi notevoli*
3. *Uso efficiente dei materiali nella progettazione profilo consente di risparmiare risorse e, quindi, aiuta l'ambiente*
4. *Straordinaria stabilità grazie ai rinforzi utilizzati nel telaio e nell'anta*
5. *All'esterno del nodo ci sono due possibilità di scelta tra anta a sezione quadra o tonda*
6. *Facile da pulire con battuta battente di grandi dimensioni*

ROM

1. Adancime de constructie de 74 mm pentru proprietati deosebite de izolare termica
2. Sistemul inovator GEALAN-STV® de lipire uscata a sticlei ofera multiple avantaje
3. Utilizare eficienta a materialelor in proiectarea profilului conserva resursele contribuind la protectia mediului
4. Stabilitate foarte buna datorita armaturii de otel groase din toc si cercevea
5. Design clasic fara varsta, cu baghete si cercevele rotunjite sau drepte
6. Usor de curatat datorita canalului de mari dimensiuni a tocului

Color program / Dekorübersicht / Programma Colori / Program culori

Dekore Pellicola Folie	Color shades Farbbezeichnung Colore Denumire culoare	Laminated		Suport material Trägermaterial Colore Massa Material Bază	Renolit code Renolit Code Codice Renolit Cod Renolit	Gasket Dichtung Guarnizione Garnitura
		ext	int			
Wood grain / Holzdekore / Effetto Legno / Imitatie Lemn	Sheffield Oak Light	x	x	braun	F456-3081	gray
	Sheffield Oak Grey	x	x	braun	F436-3086	gray
	Eiche Natur	x	x	braun	9.03118076-116800	gray
	Bergkiefer	x	x	braun	9.3069041-116700	gray
	Oregon	x	x	braun	9.1192001-116700	gray
	Streifen-Douglasie	x	x	braun	9.3152009-116700	gray
	Winchester XA	x	x	braun	9.0049240-114800	gray
	Golden Oak	x	x	braun	9.2178001-116700	black
	Soft Cherry	x	x	braun	9.3214009-119500	gray
	Siena PR	x	x	braun	9.0049233-114800	gray
	Siena PN	x	x	braun	9.0049237-114800	black
	Nussbaum V	x	x	braun	9.2178007-116700	black
	Eiche Dunkel FL-F1	x	x	braun	9.2052089-116700	black
	Mooreiche ST-F	x	x	braun	9.3167004-116700	black
	Macore	x	x	braun	9.3162002-116700	black
	Sapeli	x	x	braun	9.2065021-116700	black
	Black Cherry	x	x	braun	9.3202001-116700	black
	Desert Oak	x	x	braun	2.0057.004-130300	black
Mountain Oak	x	x	braun	2.0057.006-130300	black	
Single Colors / Uni-Farben / Uni-colore / Culori Uni	Crystal White Ash	x	x	white	47 852-117900	gray
	Cremeweiss	x	x	white	02.20.11.000001-116700	gray
	Lichtgrau 7251	x	x	white	725105-116700	gray
	Grau 7155	x	x	white	715505-116700	gray
	Basaltgrau 7012	x	x	white	701205-116700	gray
	Anthrazitgrau	x	x	white	701605-116700	black
	Anthrazitgrau 7016 Glatt	x	x	white	701605-808300	black
	Dunkelrot 3081	x	x	white	308105-116700	black
	Winerot 3005	x	x	white	300505-116700	black
	Moosgrun 6005	x	x	white	600505-116700	black
	Dunkelgrun 6125	x	x	white	612505-116700	black
	Schwarzbraun 8518	x	x	white	851805-116700	black
	Metbrush Aluminium	x	x	white	F436-1001	gray
	Metbrush Messing	x	x	white	F436-1007	gray

Nachweis
Energieeinsparung und Wärmeschutz

Prüfbericht 402 29298/2



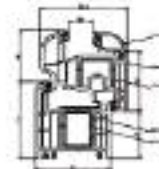
Auftraggeber **GEALAN Fenster-
Systeme GmbH**
Hofer Straße 80

95145 Oberkotzau

Grundlagen:
EN 12412-2:2000-07
Bestimmung des
Wärmedurchgangskoeffizienten
mittels des
Heißkammerverfahrens; Teil 2:
Rahmen
Entspricht der nationalen
Fassung DIN EN

Produkt	Flügel- / Blendrahmen - Profilkombination
Bezeichnung	S8000IQ
Bautiefe	Bautiefe Blendrahmen 74 mm Bautiefe Flügelrahmen 64,5 mm
Anschnittgröße	124 mm
Rahmenseite	PVC-U/weiß
Ausstellung	Stahl/verzinkt
Beschreibung	--

Darstellung



Verwendungshinweise:
Dieser Prüfbericht dient zum
Nachweis des Wärmedurch-
gangskoeffizienten ψ .

Gültigkeit

Die genannten Daten und
Ergebnisse beziehen sich
ausschließlich auf den
geprüften und beschriebenen
Gegenstand.
Die Prüfung des
Wärmedurchgangskoeffizienten
ermöglicht keine Aussage über
weitere Leistungs- und
qualitätsbestimmenden
Eigenschaften der vorliegenden
Konstruktion.

Wärmedurchgangskoeffizient



$$U_F = 1,2 \text{ W}/(\text{m}^2 \cdot \text{K})$$



ift Rosenheim
8. Februar 2005

Ulrich Sieberoth
Ulrich Sieberoth
Institutsleiter

Konrad Huber
I.A. Konrad Huber
Prüfleit. Wärmeschutz &
Energieelektrik

Veröffentlichungshinweise

Es gilt das ift-Merkblatt
„Hinweise zur Benutzung von
ift-Prüfberichten“.
Das Deckblatt kann als
Kurzfassung verwendet
werden.

Inhalt

- Der Nachweis umfasst
insgesamt 5 Seiten
1. Gegenstand
 2. Durchführung
 3. Einzelergebnisse

80071295

ift
ift Rosenheim GmbH
Gerechtigkeitsstr. 1
D-95145 Oberkotzau
Dr. Jochen Pöschl

Tischler-Str. & Straße 7/9
D-95145 Rosenheim
Tel. +49 (0) 8223 1205-0
Fax +49 (0) 8221 221-200
www.ift-rosenheim.de

Str. 66/20 Rosenheim
80734 München, RM 8 10760
Spezialamt Rosenheim
95158 22
912 771 500 00

Arbeits- u. Prüfl.-Überwachungs-
amt Zertifikatsgutachten
nach Landesbauordnung BAY 18
Notkennung n. Landes-Nr. 057

Zusammenfassender Prüfbericht

Widerstandsfähigkeit bei Windlast,
Schlagregendichtheit, Luftdichtheitsleistung,
Bedienkräfte, Mechanische Beanspruchung,
Dauerfunktion, Tragfähigkeit von
Sicherheitsvorrichtungen, Stoßfestigkeit
Nr. 101 32802/Z



Auftraggeber: **GEALAN**
Fenster-Systeme GmbH
Hofer Str. 80

Grundlagen:

EN 14353-1 : 2006-03, Fenster-
und Außentüren – Produktnorm

Prüfnormen:

EN 1020 : 2000-06
EN 1027 : 2000-06
EN 12211 : 2000-06
EN 12946-1 : 2003-11
EN 14608 : 2004-03
EN 14609 : 2004-03
EN 1191 : 2000-02
RAL-RG 607/3
EN 12948 : 2000-05

95145 Oberkotzau

Fenster und Fenstertüren mit den Öffnungsarten:
Dreh, Drehklipp, Fast und zweiflügelig mit
aufgehendem Mittelstück

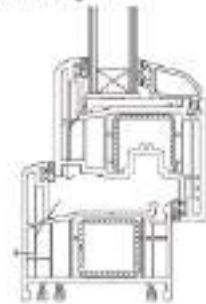
Bezeichnung des Systems: **S8000IQ**

Rahmenseite: **PVC-U/weiß**

Systembeschreibung: **Auszug siehe Anlage 3**
Profile gem. EN 12606, Klasse B (Wandstärke der Sicht-
flächen $\geq 2,5$ mm, der nicht sichtbaren Flächen $\geq 2,0$ mm)

Besonderheiten

Darstellung



Probekörper		1	2	3
Darstellung				
Fenstergröße in mm		1385 x 2376	1032 x 2376	1664 x 1576
Eröffnung		Klassifizierung		
	Widerstandsfähigkeit bei Windlast	C5 / B5	C3 / B3	C4 / B4
	Schlagregendichtheit	9A	7A	8A
	Luftdichtheitsleistung	4	4	4
	Bedienkräfte	1	1	1
	Mechanische Beanspruchung	4	4	4
	Dauerfunktion	2	2	2
	Stoßfestigkeit	2*		
		* Diese Eigenschaft wurde exemplarisch an Probekörper 2 geprüft.		
	Tragfähigkeit von Sicherheitsvorrichtungen	Schwellenwert erfüllt	Schwellenwert erfüllt	Schwellenwert erfüllt
Falzhindernistest und Leibringtest nach RAL-RG 607/3 : 1998-02 Güte- und Prüfbedingungen für Drehbeschläge und Drehklippbeschläge				Anforderung erfüllt

Verwendungshinweise

Dieser Prüfbericht dient zum Nachweis der oben genannten Eigenschaften für Fenster nach EN 14353-1: 2006-3

Gültigkeit

Die Prüfergebnisse können gemäß Übertragungsmatrix (Punkt 2) übertragen werden. Witterungs- und Alterungsbeschleunigungen wurden nicht berücksichtigt.

Veröffentlichungshinweise

Es gilt das IFT-Merkblatt „Bedingungen und Hinweise zur Benutzung von IFT-Prüfdokumentationen“.

Inhalt

- Der zusammenfassende Prüfbericht umfasst insgesamt 28 Seiten
- Anlage 1: Zugrundeliegende Nachweise
- Anlage 2: Übertragungsmatrix
- Anlage 3: Auszug aus der Systembeschreibung
- Anlage 4: Warnige Systemmerkmale

ift Rosenheim
14. Juni 2018

Jörn Peter Lass, Dipl.-Ing. (FH)
Prüfstellenleiter
ift Zentrum Fenster & Fassaden

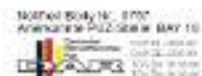


ift Rosenheim GmbH
Produktionsleiter
Dr.-Ing. Peter-Lion Seebach
Dr. Jochen Reich

Robert Kobacz, Dipl.-Ing. (FH)
Prüfingenieur
ift Zentrum Fenster & Fassaden

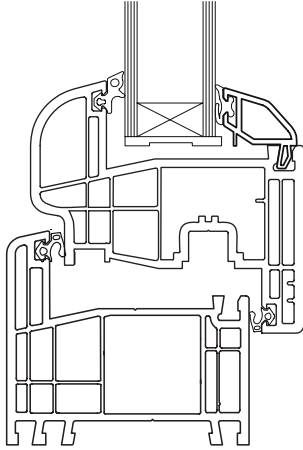
Theodor-Giet-Str. 7 - 9
D-83028 Rosenheim
Tel. +49 (0)89 21291-0
Fax. +49 (0)89 21291-380
www.ift-rosenheim.de

Str. 60228 Rosenheim
A-1170 Garschitz, HRB 12410
Spezialrechner
RIG 3830
012 711 500 00



PERFORMER 74
RONDO
STYLE 76
PASIV 82
KUBUS
PREMIDOOR 76
PREMIDOOR 88
PREMILINE
BESCHLÄG
HARDWARE
GLASS
GLASS
ROLLO TOP
ROLLO FRONT
BORA
HERCULES 70

Sound insulation test reports / Übersicht Schallprüfzeugnisse / Certificati d'isolamento acustico /
 Certificate izolare fonica

Element description Elementbeschreibung Descrizione elemento Descriere element	Pane structure (mm) Scheibenaufbau (mm) Struttura vetro (mm) Structura geam (mm)	Obtained values Rw.P=dB Erreichte Werte Rw.P=dB Valori raggiunti Rw.P=dB Valori obtinute Rw.P=dB
	4-16-4	34
	4-14-4-14-4	35
	6-16-4	38
	8-16-4	39
	6-14-4-14-4	40
	VSG 8-16-4	40
	VSG 10-16-4 (P4A)	40
	10-12-4-12-6	42
	VSG SI 6-16-6	43
	VSG SI 8-14-4-14-6	43
	VSG 10-12-4-16-6 (P4A)	43
	VSG SI 8-24-8	46
	VSG SI 8-12-4-12-8	45
	VSG SI 8-16-VSG SI 8	47
	VSG SI 10-16-VSG SI 8	47
	VSG SI 8-12-4-12- VSG SI 8	47

***VSG - Laminated glass / Verbundsicherheitsglas / Vetro stratificato / Sticla laminata**

***VSG SI - Acoustic laminated glass / Schallschutz-Verbundsicherheitsglas / Vetro stratificato acustico /**
 Sticla laminata cu control acustic

Symbol Legend / Symbol Legende / Legenda Simboli / Legenda simboluri



Window / Fenster /
Finestra / Fereastră



Window with moulion /
Finster mit Pfosten /
Finestra con montante /
Fereastră cu montant



Terrace door / Balkontüre
Porta balcone / Usa balcon



Door with sash rail /
Tür mit Flügelsprosse /
Porta con traversa /
Usa cu traversa



Residential Door / Haustüre
Portoncino / Usa intrare



Outswing door
Außenöffnende Türen
Porta con apertura verso l'esterno
Usa cu deschidere exterioara



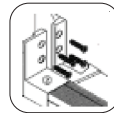
Renovation profile /
Renovierungs-Blendrahmen /
Telaio ristrutturazione / Toc de
renovare



Threshold /
Haustürschwelle /
Sotto soglia /
Prag aluminiu



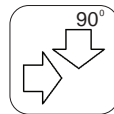
Window handle / Fenstergriff
Maniglia finestra / Maner fereastră



Threshold SLM /
Haustürschwelle LFM /
Soglia in luce telaio /
Prag montat in flat



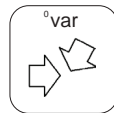
Double side door handle /
Fenstergriffe mit Arretierung
Maniglia passante / Maner dublu



Coupling profiles 90 /
Kopplungsprofile 90 /
Profili di accoppiamento 90 /
Profile de cuplare 90



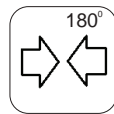
Door Handle / Drückergarnitur /
Maniglione / Maner usa



Variable bay pole /
Variable Eckkopplung /
Giunto angolare variabile /
Profile de cuplare unghi variabil



Flag door hinge / Haustürband /
Cerniera a bandiera / Balama usa



H coupler /
H Schieber /
Profilo di accoppiamento /
Profil cuplare



Door hinge RB / Haustürband RB /
Cerniera tubolare /
Balama tubulara usa



Outer frame extension /
Blendrahmen Verbreiterung /
Allargatore Telaio /
Profile extensie toc



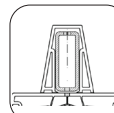
Double hung window /
Stulpfenster / *Finestra a due ante /*
Fereastră in doua canate



Bank connection profile /
Sohlbankprofile /
Profilo di appoggio inferiore /
Profile suprainaltare pervaz



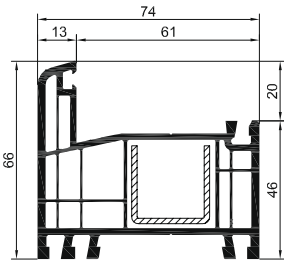
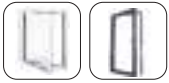
Extention profile /
Höhenausgleichsprofil /
Zoccolo porta / Bandou usa



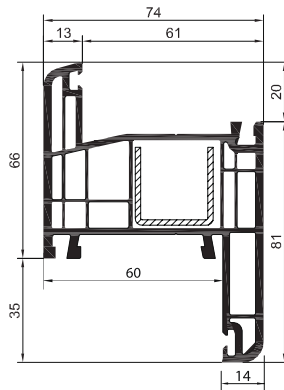
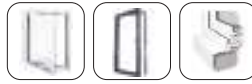
Reinforcing plant-on profile /
Statik-Aufsatz /
Rinforzo /
Ranforsare aplicată

Frame profiles / Rahmenprofile / Profili Telaio / Profile Toc

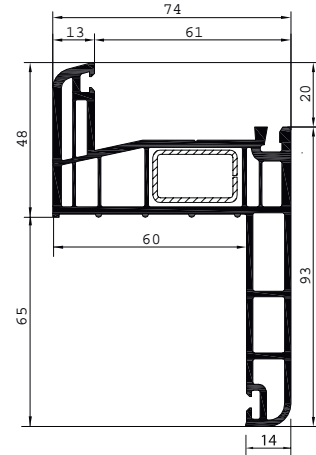
Profile: 8001
Steel 8727
28.5x28.5 - 2 mm



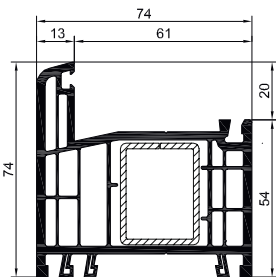
Profile: 8033
Steel 8727
28.5x28.5 - 2 mm



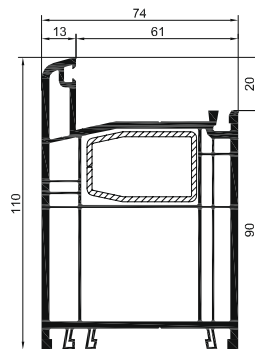
Profile: 8034
Steel 6744
28x17.5 - 1.5 mm



Profile: 8010
Steel 8710
27.5x35.5 - 2 mm



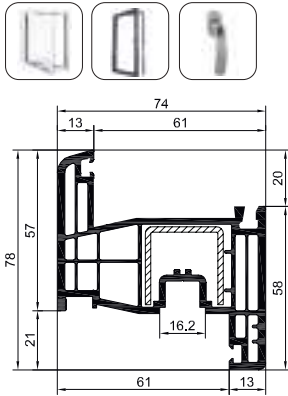
Profile: 8015
Steel 8701
43x27.5 - 2 mm



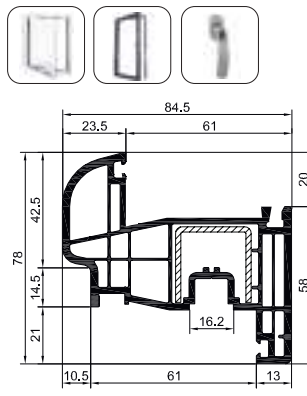
Profilo	Forma ineglobata	Descriere
8001	Ab	8001-Telaio e L. 28mm
8011	Ab	8011-Telaio e L. 7mm
8025	Ab	8025-Telaio e L. 1.02mm Bianco
8027	Ab	8027-Telaio e Z. 50
8030	Ab	8030-Telaio e Z. 30

Sash profiles / Flügelprofile / Profili Anta / Profile Cercevea

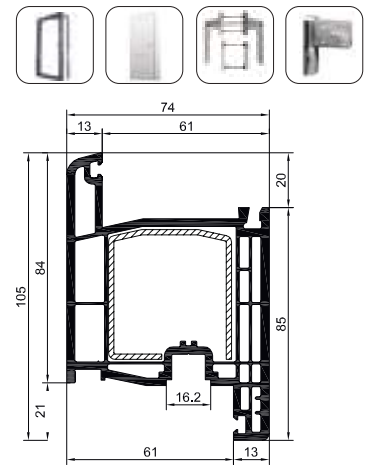
Profile: 8095
Steel 8727
28.5x28.5 - 2 mm



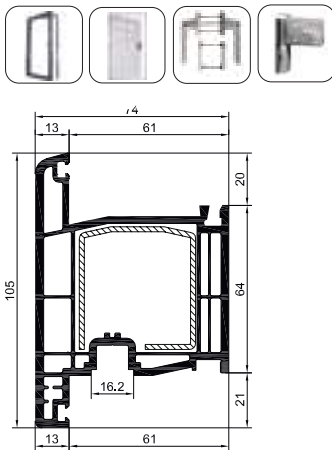
Profile: 8096
Steel 8727
28.5x28.5 - 2 mm



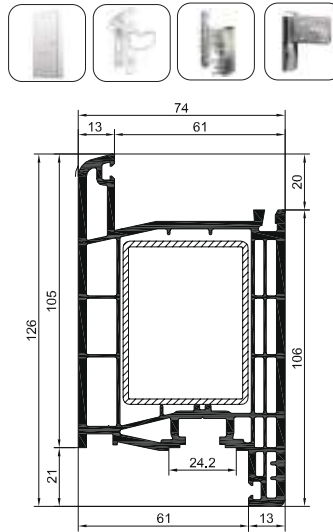
Profile: 8081
Steel 8706
48.5x46 - 2 mm



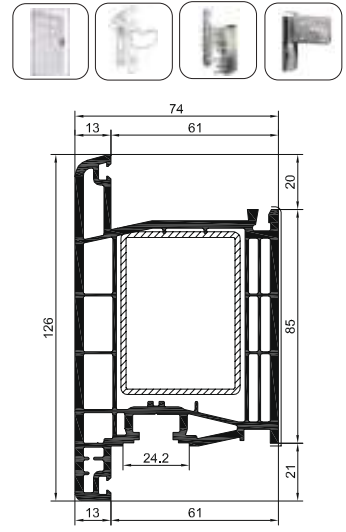
Profile: 8078
Steel 8706
48.5x46 - 2 mm



Profile: 8076
Steel 8736
46x60 - 2 mm



Profile: 8042
Steel 8736
46x60 - 2 mm



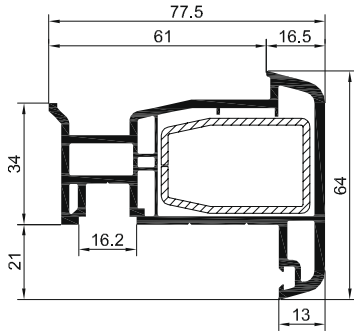
Software interface showing a toolbar with icons for file operations, zooming, and profile selection. The profile list includes:

8076	Ab	8076-Anta porta int. 120mm
8081	Ab	8081-Anta portait. 105mm
8095	Ab	8095-Anta O fereastra 78mm
8095A	Ab	8095-Anta O fereastra 78mm STV
8096	Ab	8096-Anta R fereastra 78mm
8096A	Ab	8096-Anta R fereastra 78mm STV

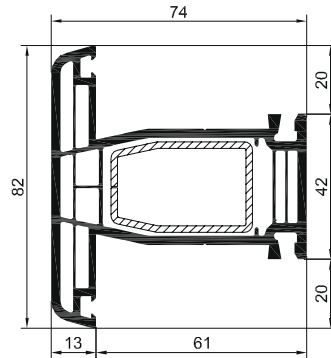
Technical drawing of Profile 8095 is shown in the bottom right corner of the software window.

Sash rails & Floating mullion profiles / Pfosten & Stulpprofile / Profili per traverso & Profili per battuta centrale / Profile montant si Profile Stulp

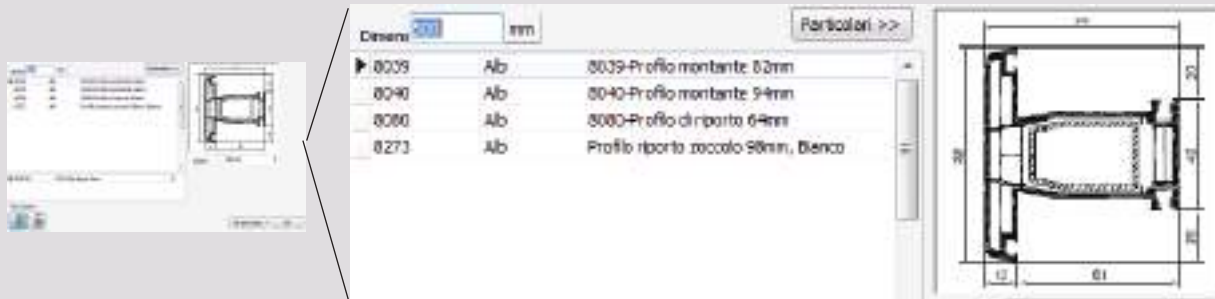
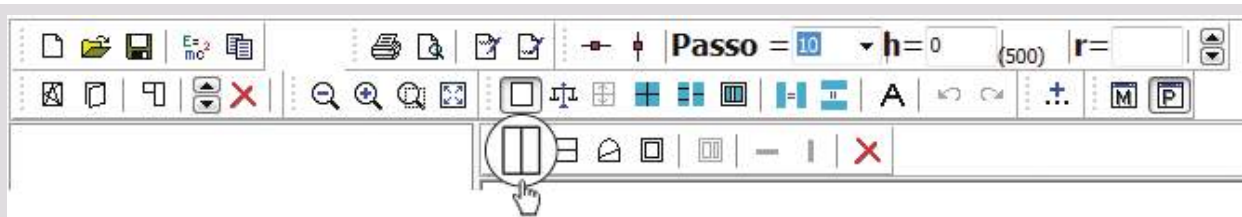
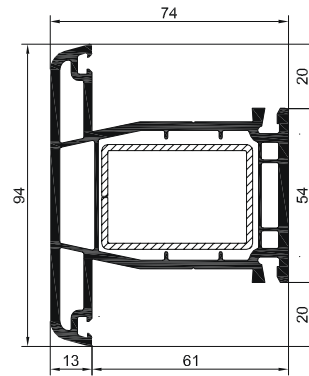
Profile: 8080
Steel 8701
43x27.5 - 2 mm



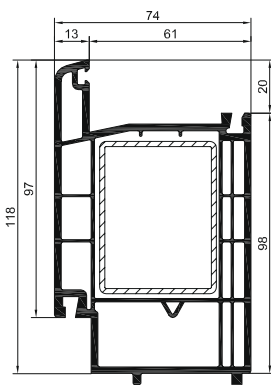
Profile: 8039
Steel 8701
43x27.5 - 2 mm



Profile: 8040
Steel 8713
49x34 - 2 mm

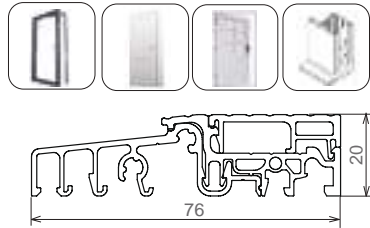


Profile: 8273
Steel 8736

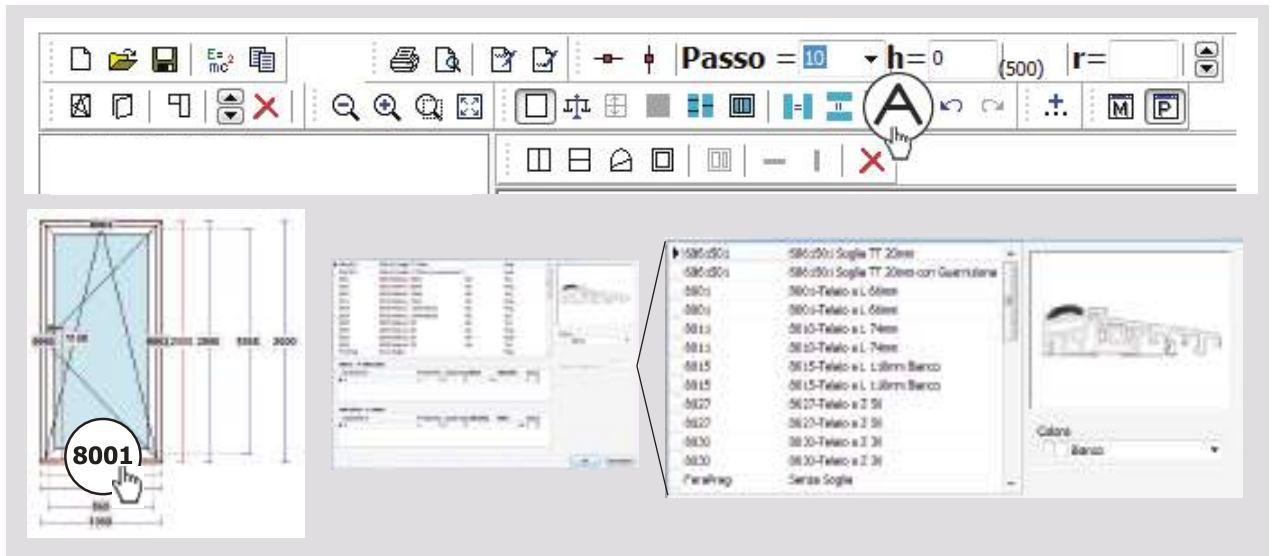
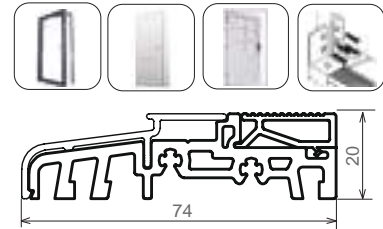


Threshold & Weather bar / Schwelle & Wetter Schenkel / Soglia & Profilo Gocciolatoio /
Praguri & Lacrimare

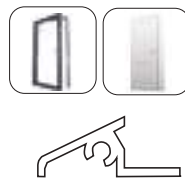
Profile: 6861501



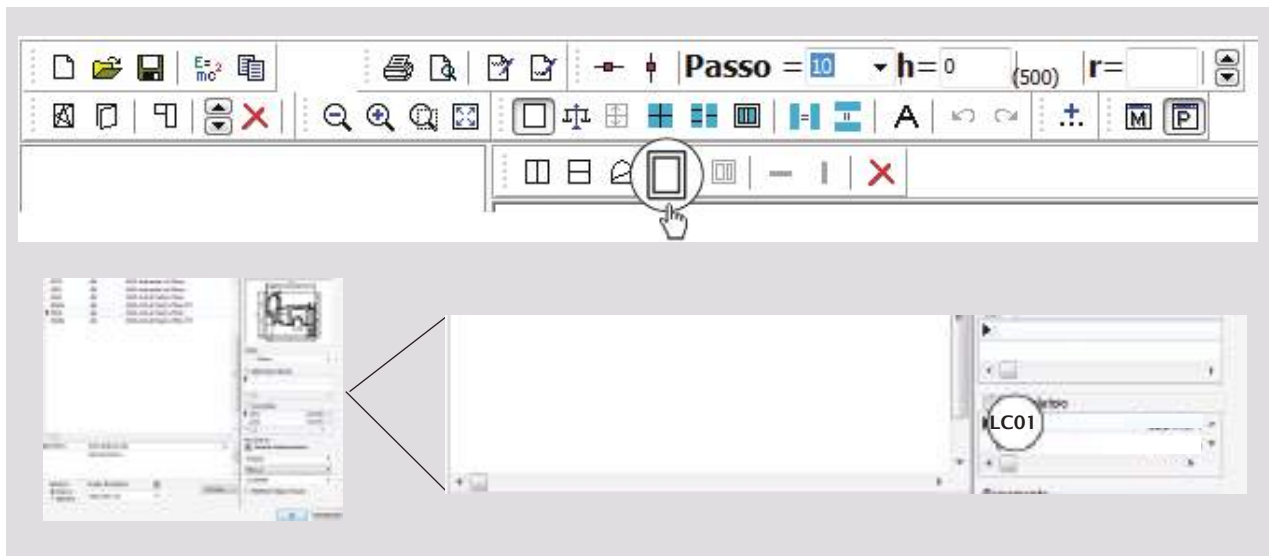
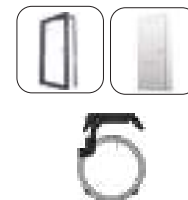
Profile: 259599



Profile: LC01

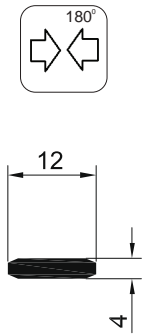


Gasket: 6802101



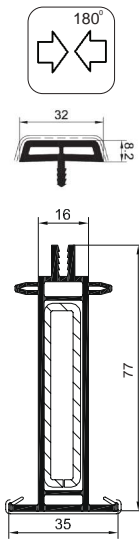
Coupling Profiles / Kopplungsprofile / *Profili di accoppiamento* / Profile cuplare

Profile: 500730



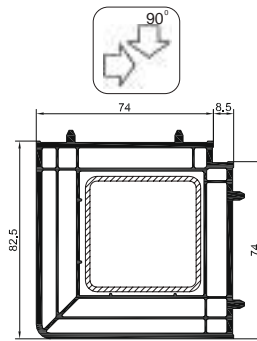
Profile: 7281

Steel 7796
 $I_x=9,19\text{cm}^4$



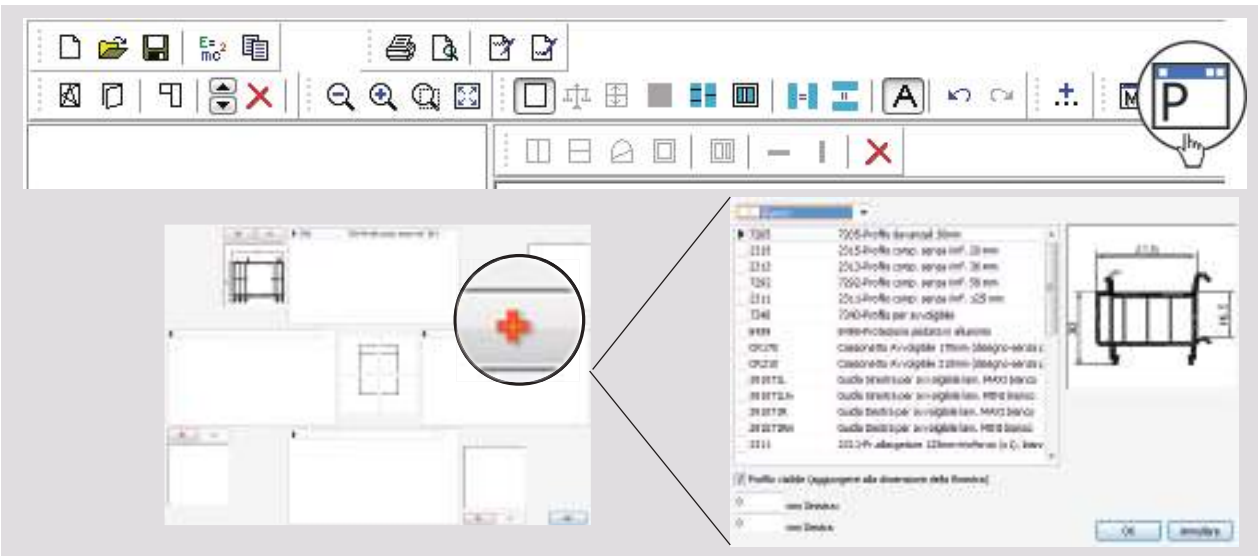
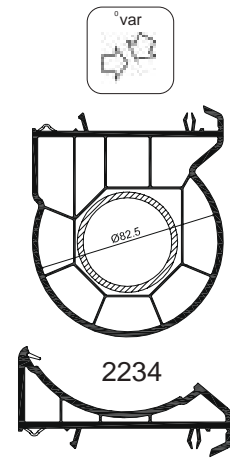
Profile: 2304

Steel 7718
 $I_x=7,11\text{cm}^4$



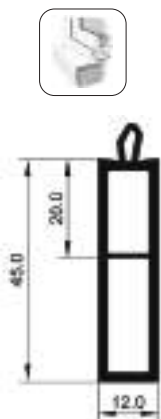
Profile: 2233

Steel 7711
 $I_x=7,54\text{cm}^4$

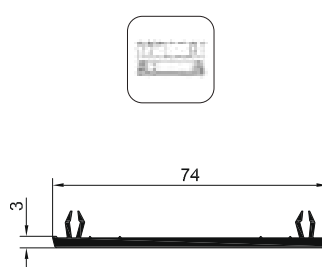


Bank connection profile / Bankanschluss profile / *Profili di appoggio inferiore* / Profile suprainaltare

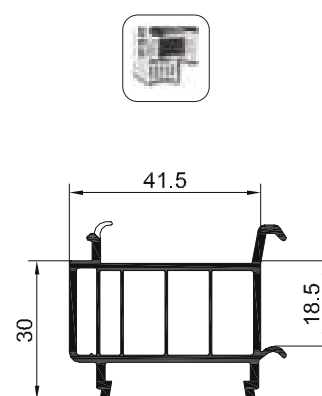
Profile: 3217



Profile: 7310

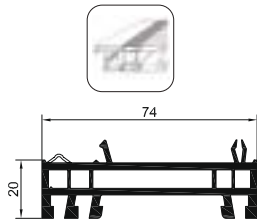


Profile: 7205

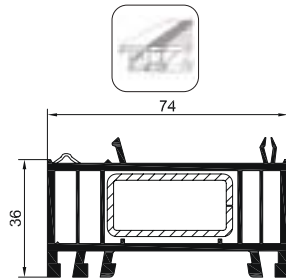


Extension profile / Verbreiterung profile / Allargatori / Extensii toc

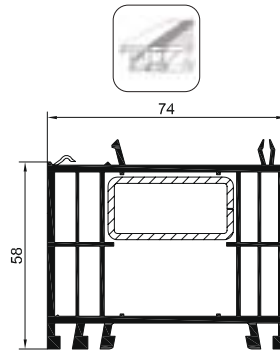
Profile: 2315



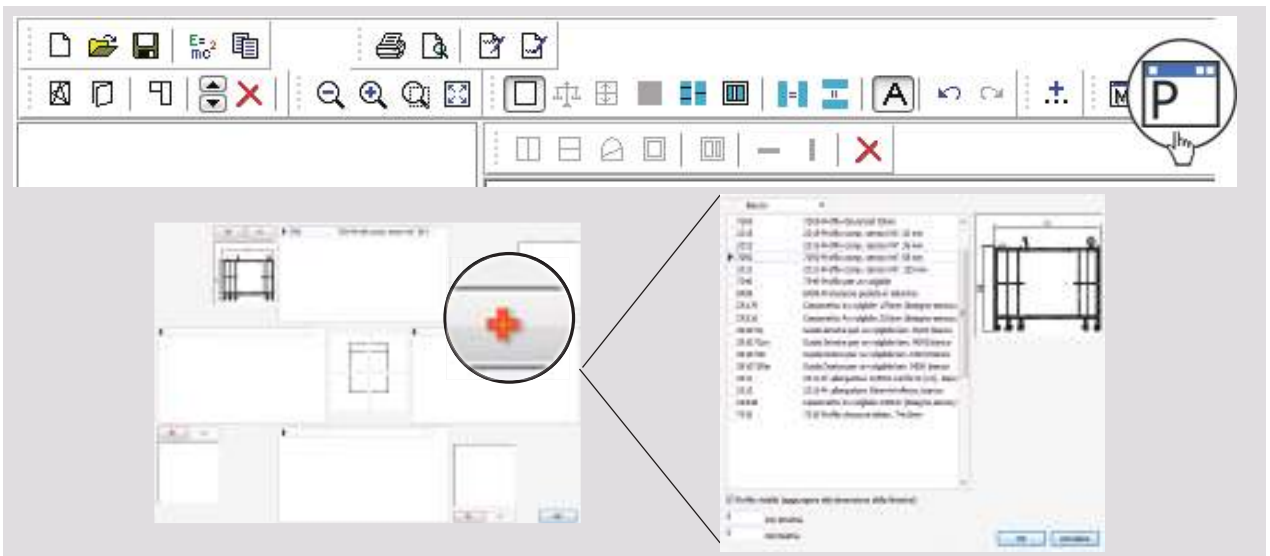
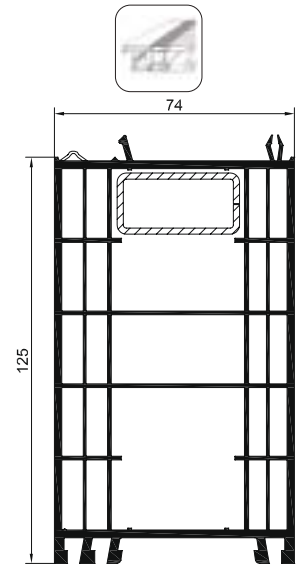
Profile: 2313
Steel 2724*
*Optional



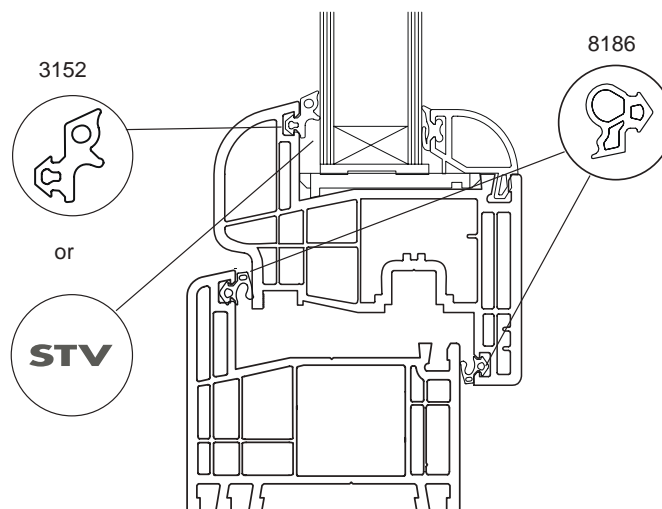
Profile: 7292
Steel 2724*
*Optional



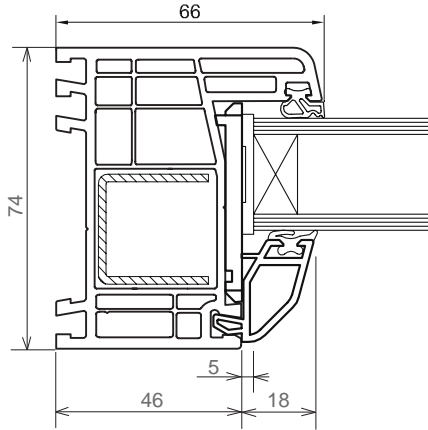
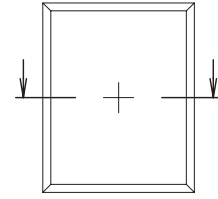
Profile: 2311
Steel 2724*
*Optional



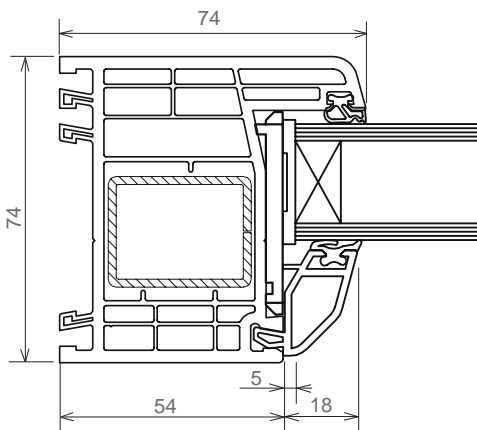
Gasket / Dichtung / Guarnizione / Garnitură



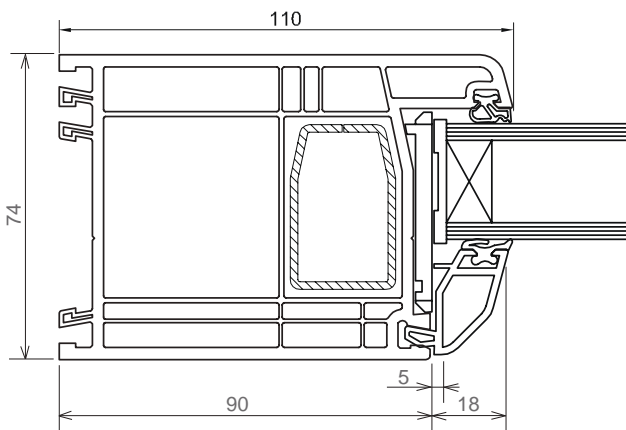
Fixed light / Festfeld / Fissa / Fix



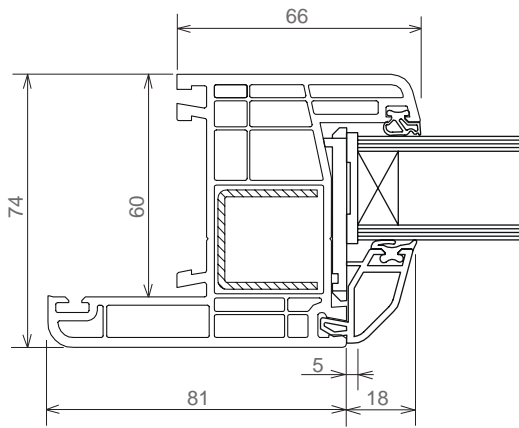
Frame	8001	 $I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$
Steel	8727	
	28.5x28.5	
	t=2mm	



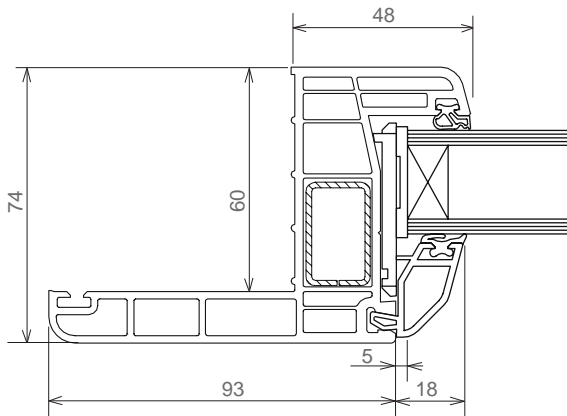
Frame	8010	 $I_x=2,65 \text{ cm}^4$ $I_y=3,95 \text{ cm}^4$
Steel	8710	
	27.5x35.5	
	t=2 mm	



Frame	8015	 $I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
Steel	8701	
	43x27.5	
	t=2 mm	

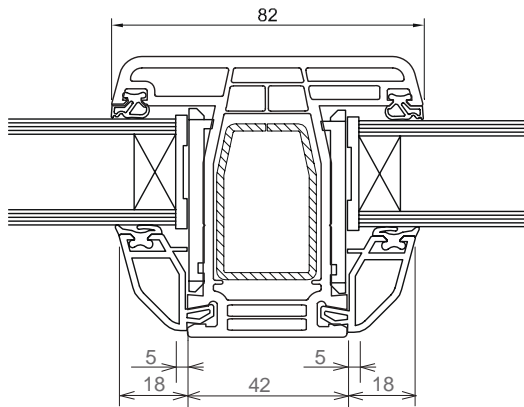
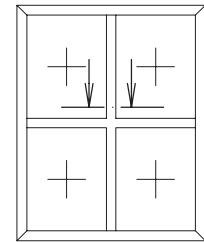


Frame	8033	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$
Steel	8727	
	28.5x28.5 t=2mm	

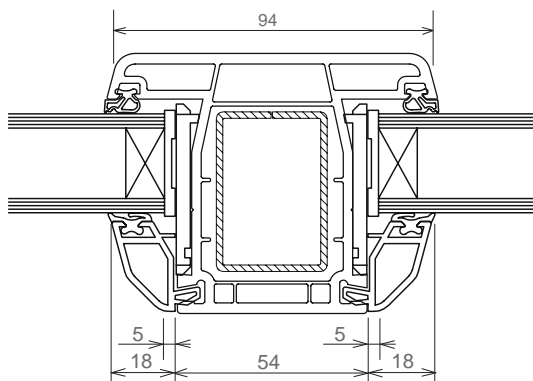


Frame	8034	$I_x=1,24 \text{ cm}^4$ $I_y=0,95 \text{ cm}^4$
Steel	6744	
	28x17.5 t=1.5 mm	

**Fixed light with transom / Festfeld Pfosten /
Fissa con montate / Fix cu montant**

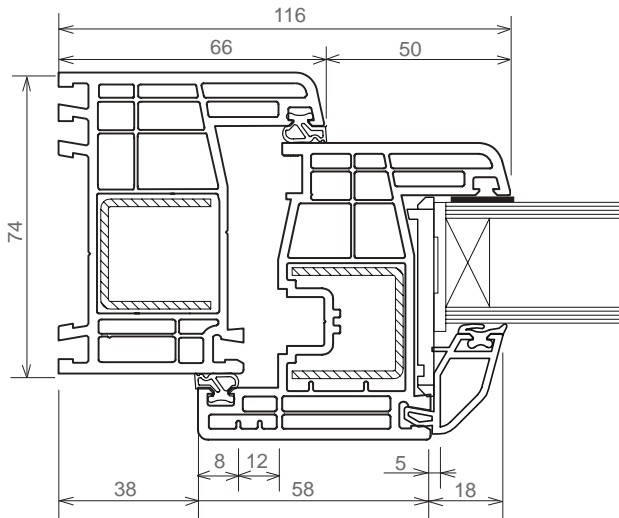
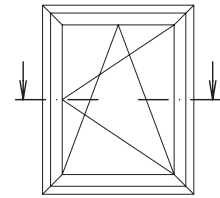


Transom	8039	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
Steel	8701	
	43x27.5 t = 2 mm	

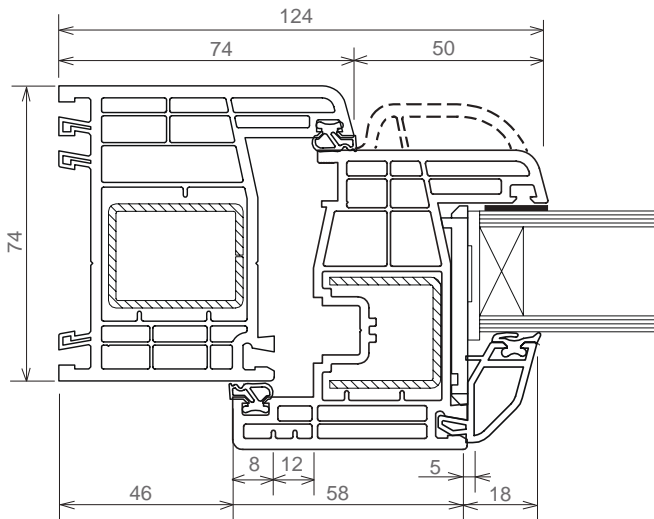


Transom	8040	$I_x=10,20 \text{ cm}^4$ $I_y=5,78 \text{ cm}^4$
Steel	8713	
	49x34 t = 2 mm	

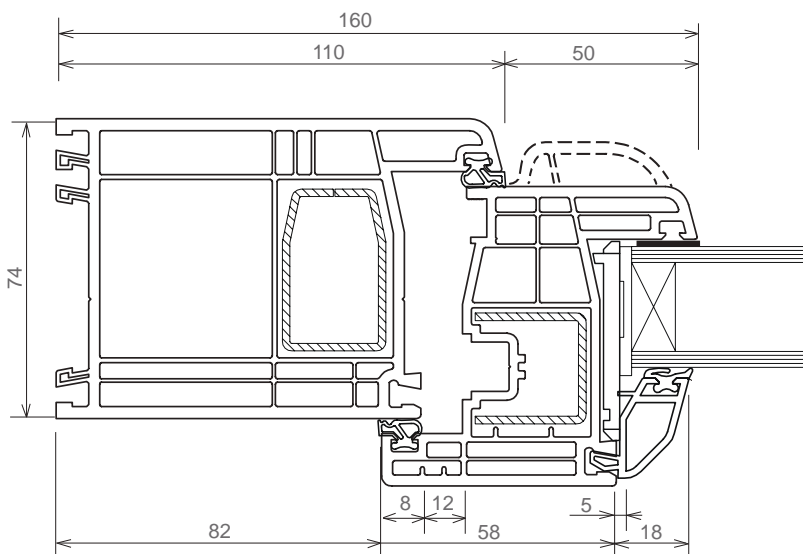
Frame - Sash / Blendrahmen - Flügel /
Telaio - Anta / Toc - Cercevea



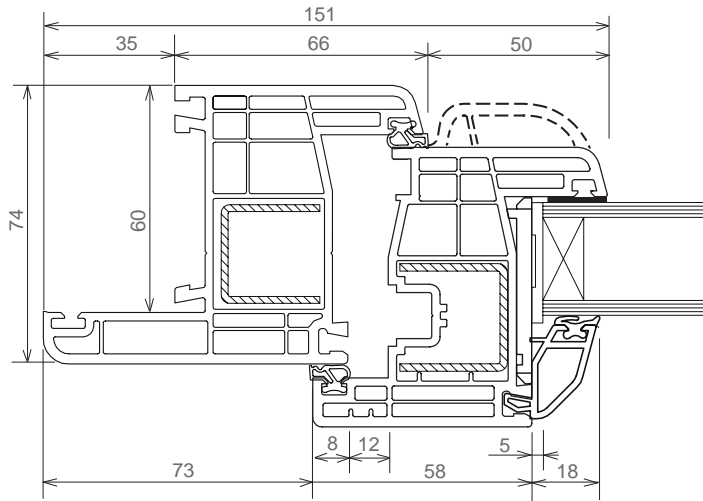
Frame	8001	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$
Steel	8727 28.5x28.5 t=2mm	
Sash or Sash Steel	8095A 8096A 8727 28.5x28.5 t=2mm	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$



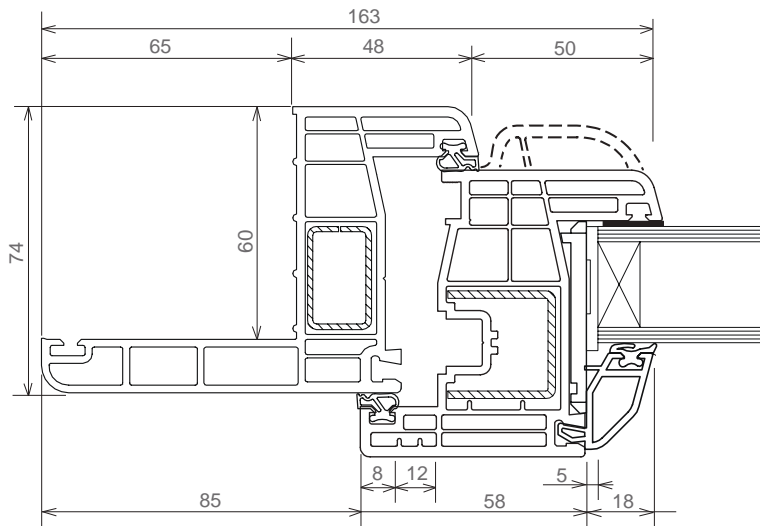
Frame	8010	$I_x=2,65 \text{ cm}^4$ $I_y=3,95 \text{ cm}^4$
Steel	8710 27.5x35.5 t=2 mm	
Sash or Sash Steel	8095A 8096A 8727 28.5x28.5 t=2mm	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$



Frame	8015	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
Steel	8701 43x27.5 t=2 mm	
Sash or Sash Steel	8095A 8096A 8727 28.5x28.5 t=2mm	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$

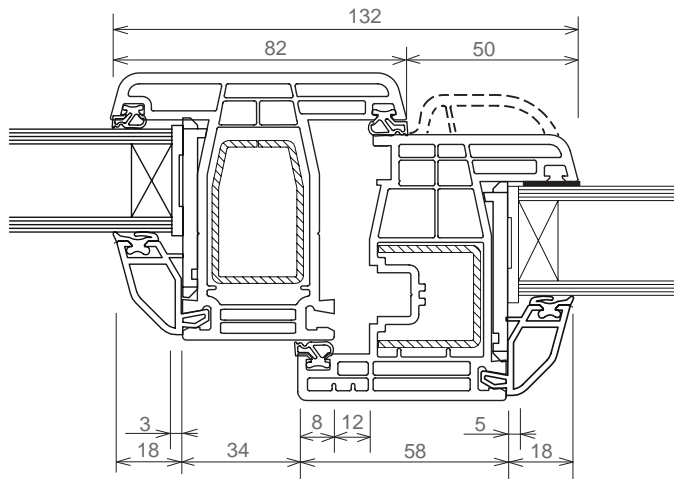
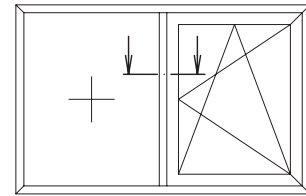


Frame	8033	
Steel	8727	$I_x=2,20 \text{ cm}^4$
	28.5x28.5	$I_y=1,35 \text{ cm}^4$
	t=2mm	
Sash	8095A	
or		
Sash	8096A	
Steel	8727	$I_x=2,20 \text{ cm}^4$
	28.5x28.5	$I_y=1,35 \text{ cm}^4$
	t=2mm	

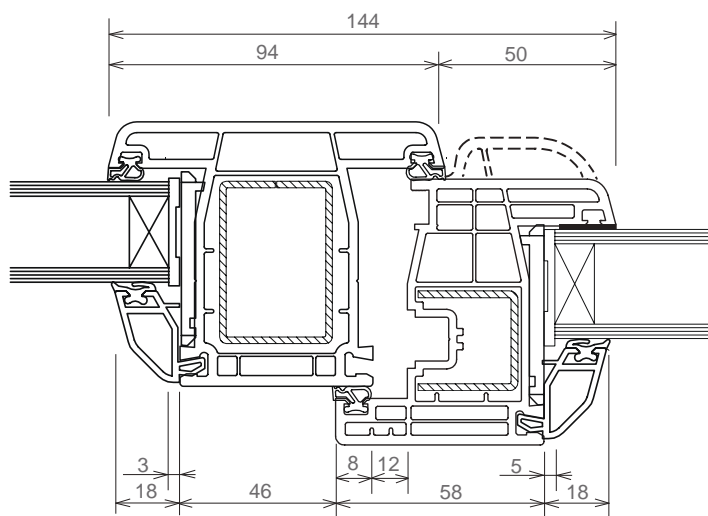


Frame	8034	
Steel	6744	$I_x=1,24 \text{ cm}^4$
	28x17.5	$I_y=0,95 \text{ cm}^4$
	t=1.5 mm	
Sash	8095A	
or		
Sash	8096A	
Steel	8727	$I_x=2,20 \text{ cm}^4$
	28.5x28.5	$I_y=1,35 \text{ cm}^4$
	t=2mm	

Fixed light - Transom - Sash / Festfeld - Pfosten - Flügel /
Fisso - Montante - Anta / Fix - Montant - Cercevea

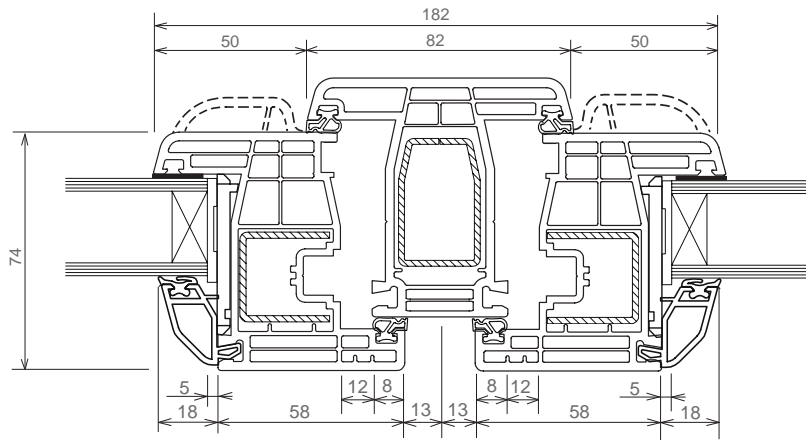
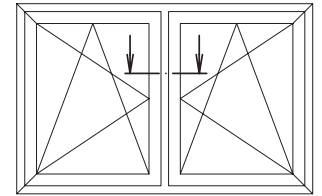


Transom	8039	
Steel	8701	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
	43x27.5	
	t=2 mm	
Sash	8095A	
or		
Sash	8096A	
Steel	8727	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$
	28.5x28.5	
	t=2mm	

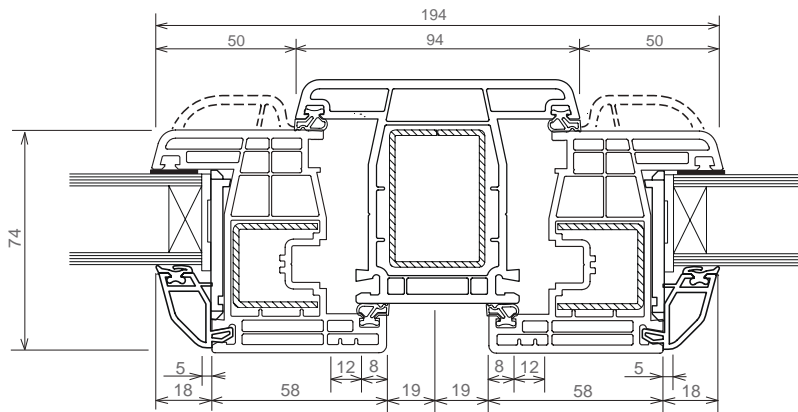


Transom	8040	
Steel	8713	$I_x=10,20 \text{ cm}^4$ $I_y=5,78 \text{ cm}^4$
	49x34	
	t = 2 mm	
Sash	8095A	
or		
Sash	8096A	
Steel	8727	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$
	28.5x28.5	
	t=2mm	

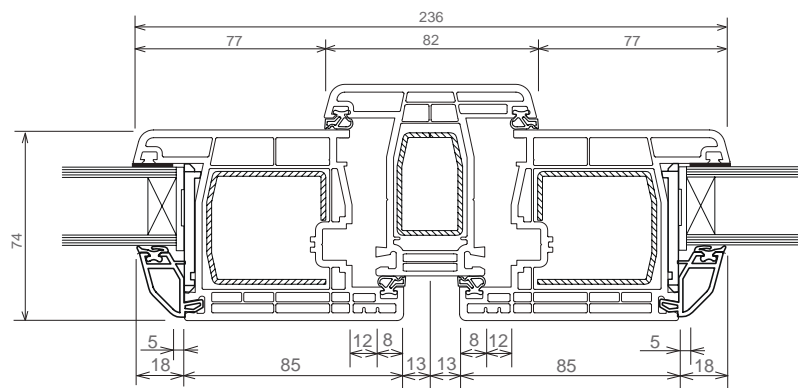
**Sash - Transom - Sash / Flügel Pfosten Flügel /
Anta - Montante Anta / Cercevea - Montant - Cercevea**



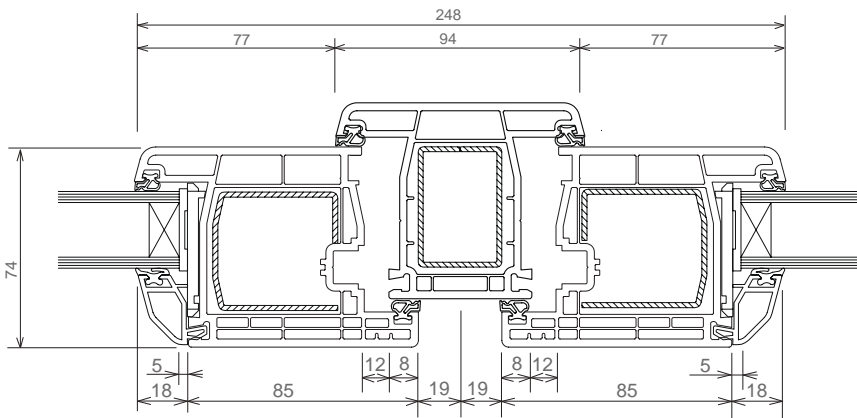
Sash or Sash Steel	8095A 8096A 8727 28.5x28.5 t=2mm	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$
Transom Steel	8039 8701 43x27.5 t=2 mm	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
Sash or Sash Steel	8095A 8096A 8727 28.5x28.5 t=2mm	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$



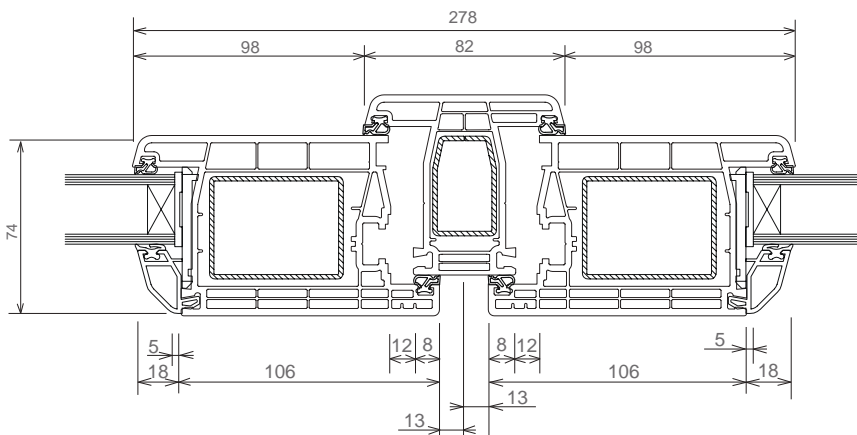
Sash or Sash Steel	8095A 8096A 8727 28.5x28.5 t=2mm	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$
Transom Steel	8040 8713 49x34 t = 2 mm	$I_x=10,20 \text{ cm}^4$ $I_y=5,78 \text{ cm}^4$
Sash or Sash Steel	8095A 8096A 8727 28.5x28.5 t=2mm	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$



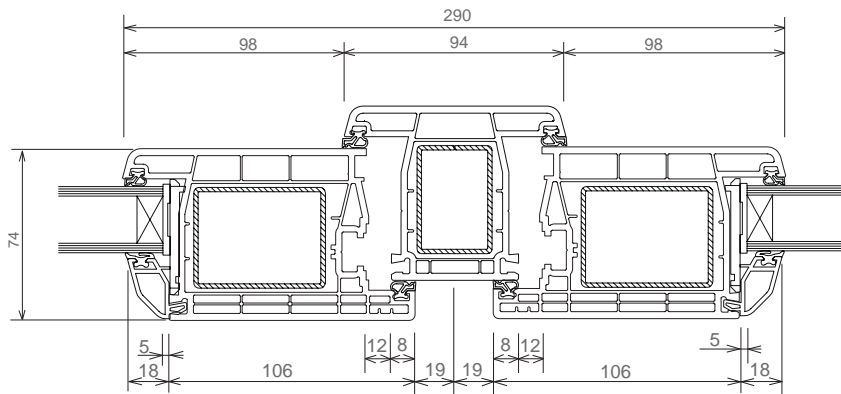
Sash Steel	8081 8706 48.5x46 t=2 mm	$I_x=10,60 \text{ cm}^4$ $I_y=9,22 \text{ cm}^4$
Transom Steel	8039 8701 43x27.5 t=2 mm	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
Sash Steel	8081 8706 48.5x46 t=2 mm	$I_x=10,60 \text{ cm}^4$ $I_y=9,22 \text{ cm}^4$



Sash	8081	
Steel	8706	$I_x=10,60 \text{ cm}^4$
	48.5x46	$I_y=9,22 \text{ cm}^4$
	t=2 mm	
Transom	8040	
Steel	8713	$I_x=10,20 \text{ cm}^4$
	49x34	$I_y=5,78 \text{ cm}^4$
	t = 2 mm	
Sash	8081	
Steel	8706	$I_x=10,60 \text{ cm}^4$
	48.5x46	$I_y=9,22 \text{ cm}^4$
	t=2 mm	

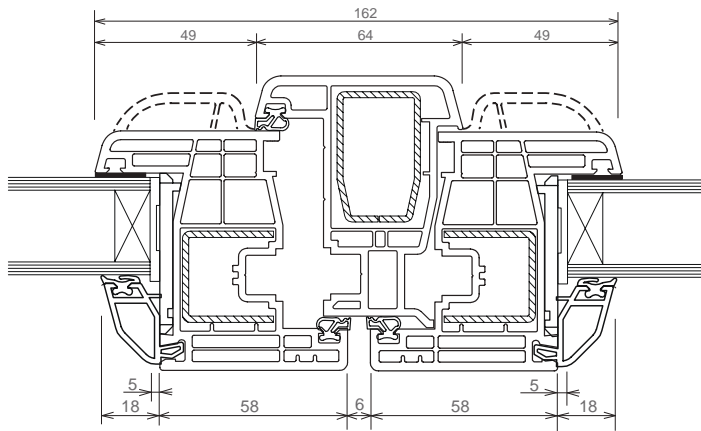
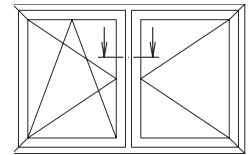


Sash	8076	
Steel	8736	$I_x=13,83 \text{ cm}^4$
	40x60	$I_y=20,88 \text{ cm}^4$
	t=2 mm	
Transom	8039	
Steel	8701	$I_x=5,92 \text{ cm}^4$
	43x27.5	$I_y=2,87 \text{ cm}^4$
	t=2 mm	
Sash	8076	
Steel	8736	$I_x=13,83 \text{ cm}^4$
	40x60	$I_y=20,88 \text{ cm}^4$
	t=2 mm	

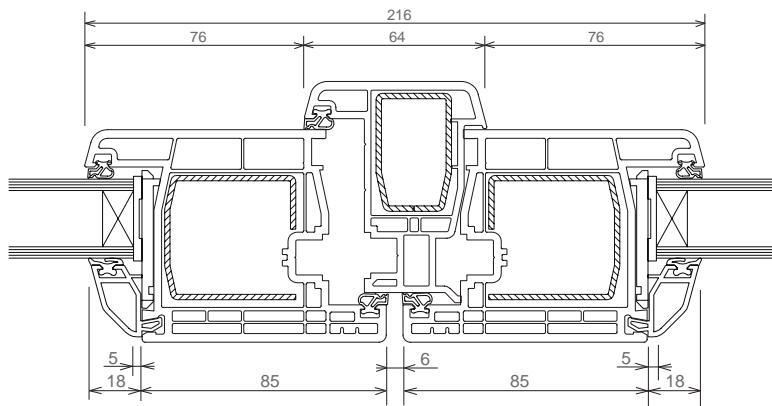


Sash	8076	
Steel	8736	$I_x=13,83 \text{ cm}^4$
	40x60	$I_y=20,88 \text{ cm}^4$
	t=2 mm	
Transom	8040	
Steel	8713	$I_x=10,20 \text{ cm}^4$
	49x34	$I_y=5,78 \text{ cm}^4$
	t = 2 mm	
Sash	8076	
Steel	8736	$I_x=13,83 \text{ cm}^4$
	40x60	$I_y=20,88 \text{ cm}^4$
	t=2 mm	

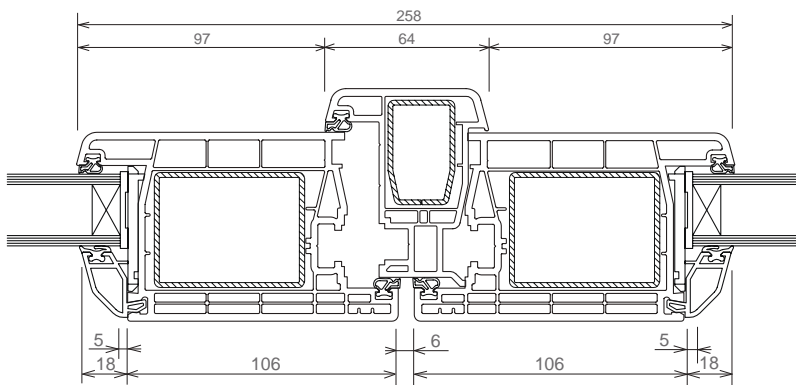
**Sash - Floating Mullion - Sash / Flügel - Stulp - Flügel /
Anta - Profilo Riporto - Anta / Cercevea - Ștulp - Cercevea**



Sash	8095A	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$
or		
Sash Steel	8096A 8727 28.5x28.5 t=2mm	
Floating Mullion	8080	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
Steel	8701 43x27.5 t=2 mm	
Sash	8095A	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$
or		
Sash Steel	8096A 8727 28.5x28.5 t=2mm	

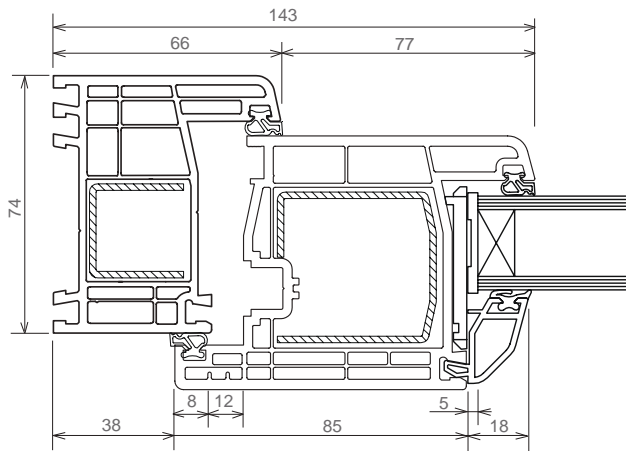
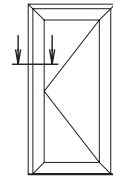


Sash	8081	$I_x=10,60 \text{ cm}^4$ $I_y=9,22 \text{ cm}^4$
Steel	8706 48.5x46 t=2 mm	
Floating Mullion	8080	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
Steel	8701 43x27.5 t=2 mm	
Sash	8081	$I_x=10,60 \text{ cm}^4$ $I_y=9,22 \text{ cm}^4$
Steel	8706 48.5x46 t=2 mm	

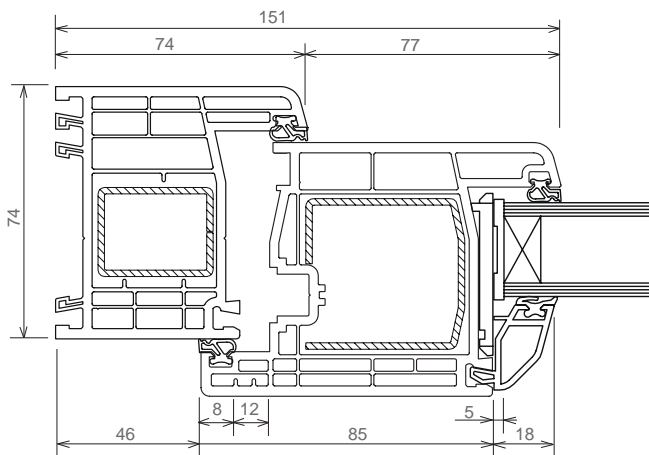


Sash	8076	$I_x=13,83 \text{ cm}^4$ $I_y=20,88 \text{ cm}^4$
Steel	8736 40x60 t=2 mm	
Floating Mullion	8080	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
Steel	8701 43x27.5 t=2 mm	
Sash	8076	$I_x=13,83 \text{ cm}^4$ $I_y=20,88 \text{ cm}^4$
Steel	8736 40x60 t=2 mm	

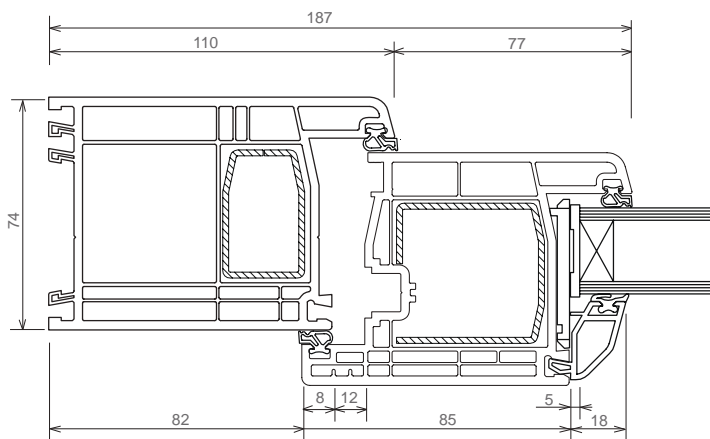
**Frame - Sash / Blendrahmen Flügel /
Telaio - Anta / Toc - Cercevea**



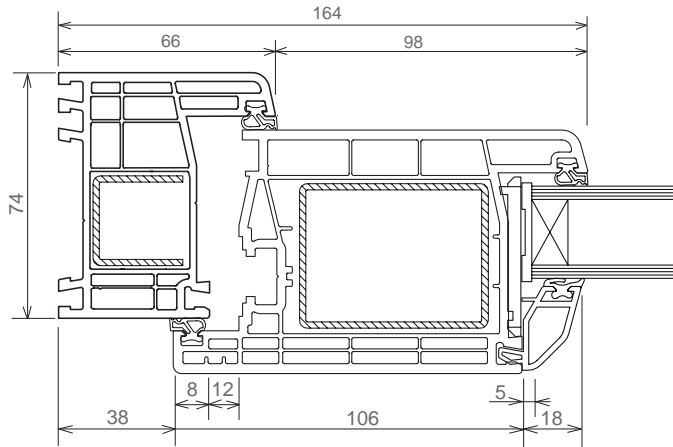
Frame	8001	
Steel	8727	$I_x=2,20 \text{ cm}^4$
	28.5x28.5	$I_y=1,35 \text{ cm}^4$
	t=2mm	
Sash	8081	
Steel	8706	$I_x=10,60 \text{ cm}^4$
	48.5x46	$I_y=9,22 \text{ cm}^4$
	t=2 mm	



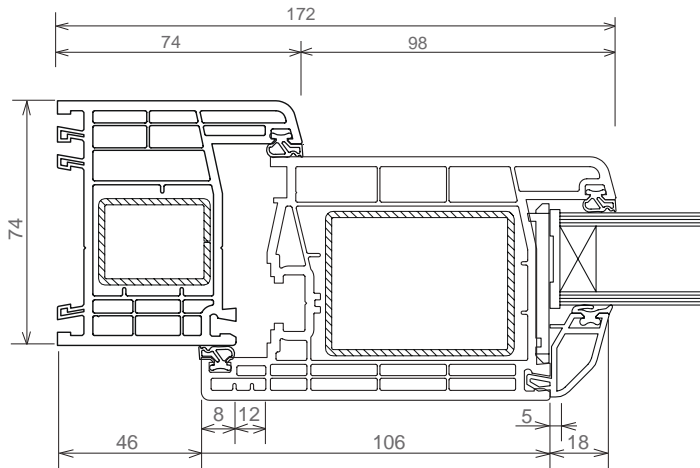
Frame	8010	
Steel	8710	$I_x=2,65 \text{ cm}^4$
	27.5x35.5	$I_y=3,95 \text{ cm}^4$
	t=2 mm	
Sash	8081	
Steel	8706	$I_x=10,60 \text{ cm}^4$
	48.5x46	$I_y=9,22 \text{ cm}^4$
	t=2 mm	



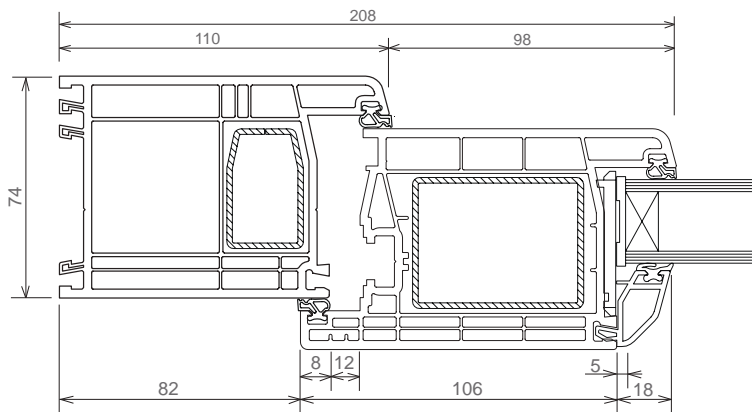
Frame	8015	
Steel	8701	$I_x=5,92 \text{ cm}^4$
	43x27.5	$I_y=2,87 \text{ cm}^4$
	t=2 mm	
Sash	8081	
Steel	8706	$I_x=10,60 \text{ cm}^4$
	48.5x46	$I_y=9,22 \text{ cm}^4$
	t=2 mm	



Frame	8001	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$
Steel	8727 28.5x28.5 t=2mm	
Sash	8076	
Steel	8736 40x60 t=2 mm	$I_x=13,83 \text{ cm}^4$ $I_y=20,88 \text{ cm}^4$

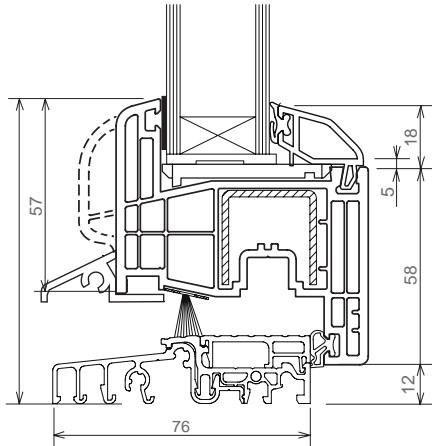
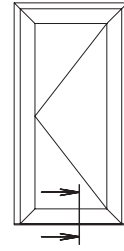


Frame	8010	$I_x=2,65 \text{ cm}^4$ $I_y=3,95 \text{ cm}^4$
Steel	8710 27.5x35.5 t=2 mm	
Sash	8076	
Steel	8736 40x60 t=2 mm	$I_x=13,83 \text{ cm}^4$ $I_y=20,88 \text{ cm}^4$

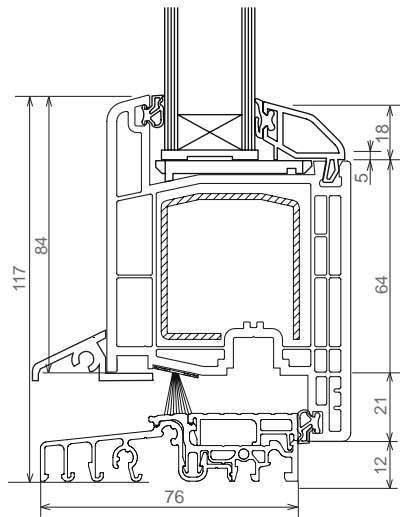


Frame	8015	$I_x=5,92 \text{ cm}^4$ $I_y=2,87 \text{ cm}^4$
Steel	8701 43x27.5 t=2 mm	
Sash	8076	
Steel	8736 40x60 t=2 mm	$I_x=13,83 \text{ cm}^4$ $I_y=20,88 \text{ cm}^4$

**Threshold - Sash / Schwellenprofil - Flügel /
Soglia - Anta / Prag - Cercevea**

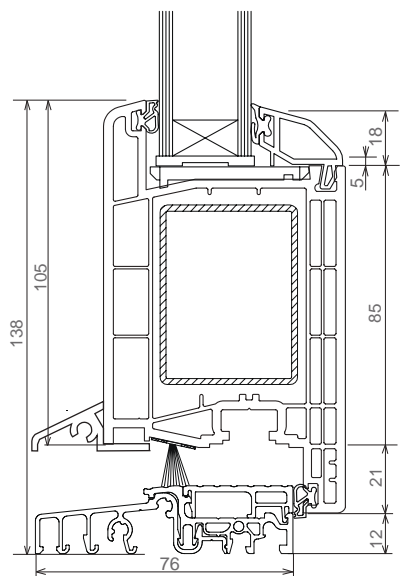


Threshold	6861501	
Sash	8095A	
or		
Sash	8096A	
Steel	8727 28.5x28.5 t=2mm	$I_x=2,20 \text{ cm}^4$ $I_y=1,35 \text{ cm}^4$



Threshold	6861501	
Sash	8081	
Steel	8706 48.5x46 t=2 mm	$I_x=10,60 \text{ cm}^4$ $I_y=9,22 \text{ cm}^4$

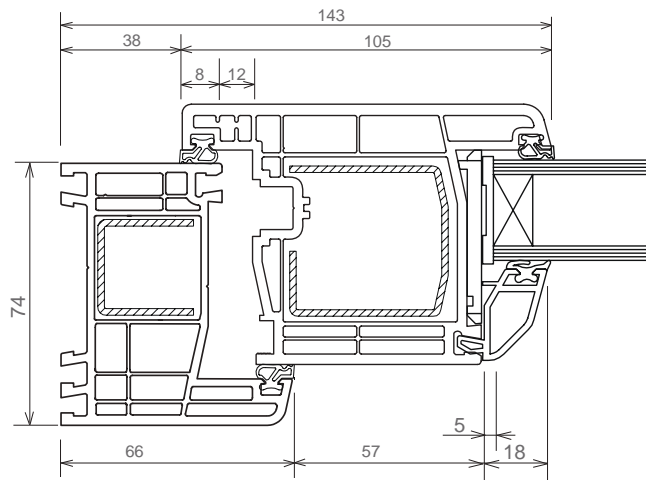
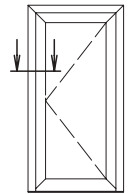
Weather bar - elox
Wetterschenkel - elox
Profilo gocciolatoio - elox
Lăcrimar - elox



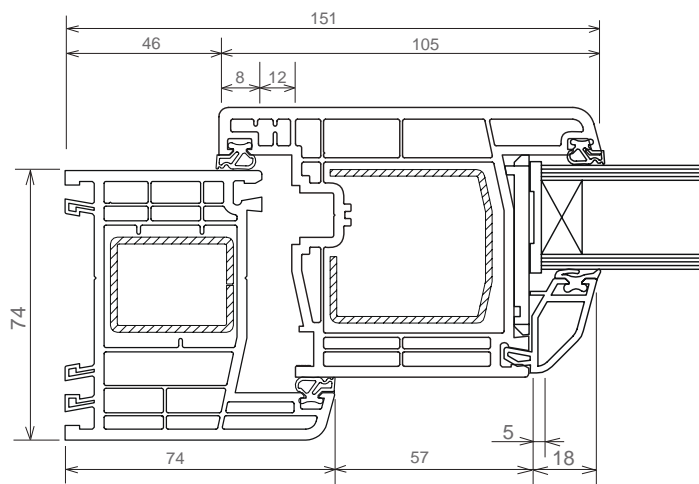
Threshold	6861501	
Sash	8076	
Steel	8736 40x60 t=2 mm	$I_x=13,83 \text{ cm}^4$ $I_y=20,88 \text{ cm}^4$

Weather bar - elox
Wetterschenkel - elox
Profilo gocciolatoio - elox
Lăcrimar - elox

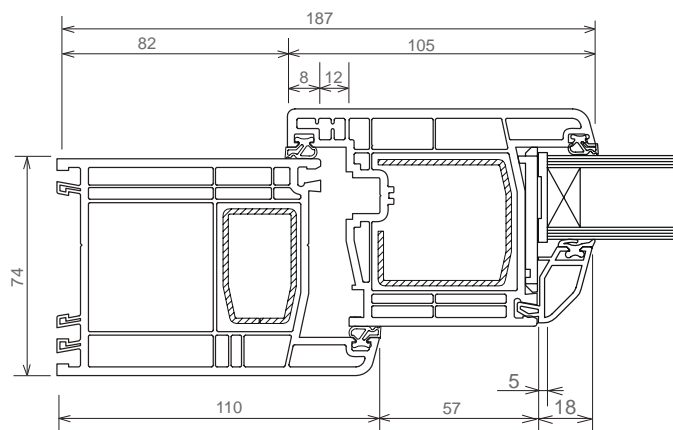
Frame - Sash outside opening / Blendrahmen - Flügel außen öffnend /
Telaio - Anta apertura esterna / Toc - Cercevea deschidere exterioară



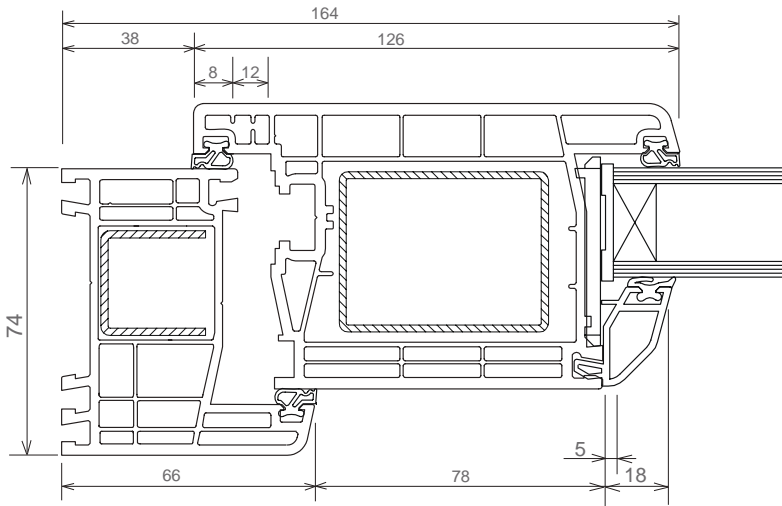
Frame	8001	
Steel	8727	$I_x=2,20 \text{ cm}^4$
	28.5x28.5	$I_y=1,35 \text{ cm}^4$
	t=2mm	
Sash	8078	
Steel	8706	$I_x=10,60 \text{ cm}^4$
	48.5x46	$I_y=9,22 \text{ cm}^4$
	t=2 mm	



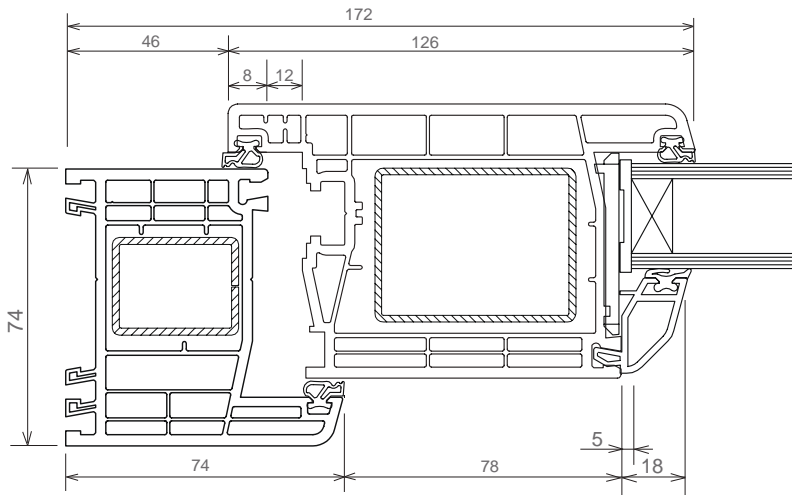
Frame	8010	
Steel	8710	$I_x=2,65 \text{ cm}^4$
	27.5x35.5	$I_y=3,95 \text{ cm}^4$
	t=2 mm	
Sash	8078	
Steel	8706	$I_x=10,60 \text{ cm}^4$
	48.5x46	$I_y=9,22 \text{ cm}^4$
	t=2 mm	



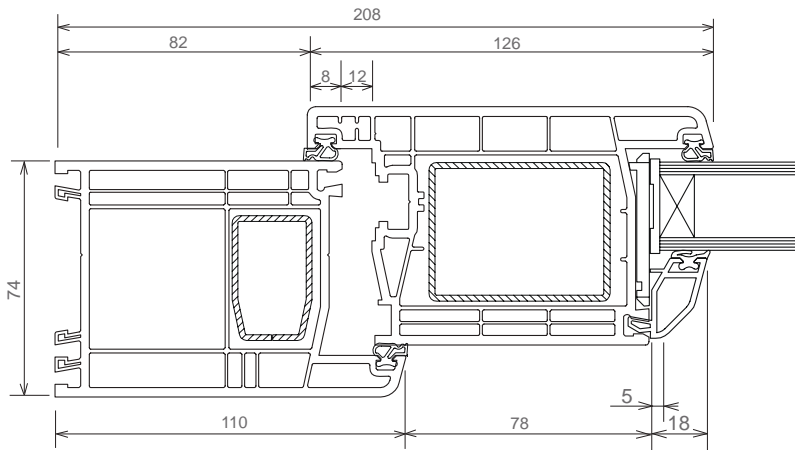
Frame	8015	
Steel	8701	$I_x=5,92 \text{ cm}^4$
	43x27.5	$I_y=2,87 \text{ cm}^4$
	t=2 mm	
Sash	8078	
Steel	8706	$I_x=10,60 \text{ cm}^4$
	48.5x46	$I_y=9,22 \text{ cm}^4$
	t=2 mm	



Frame	8001	
Steel	8727	$I_x=2,20 \text{ cm}^4$
	28.5x28.5	$I_y=1,35 \text{ cm}^4$
	t=2mm	
Sash	8042	
Steel	8736	$I_x=13,83 \text{ cm}^4$
	40x60	$I_y=20,88 \text{ cm}^4$
	t=2 mm	

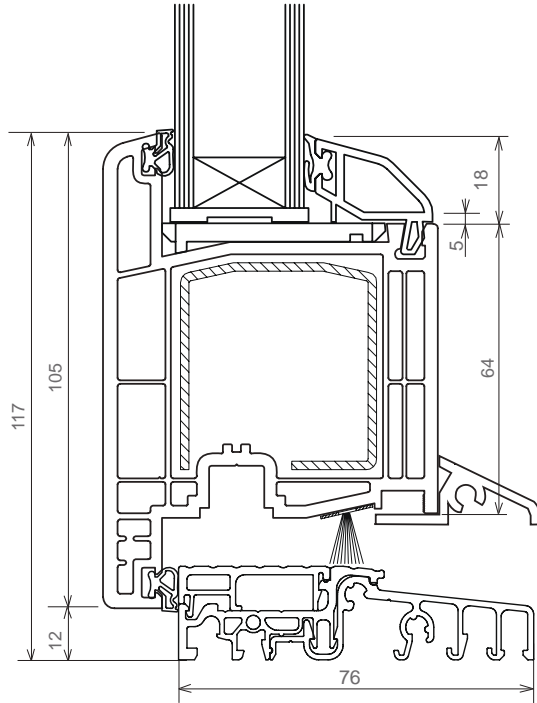
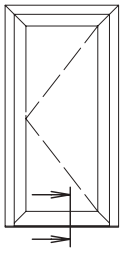


Frame	8010	
Steel	8710	$I_x=2,65 \text{ cm}^4$
	27.5x35.5	$I_y=3,95 \text{ cm}^4$
	t=2 mm	
Sash	8042	
Steel	8736	$I_x=13,83 \text{ cm}^4$
	40x60	$I_y=20,88 \text{ cm}^4$
	t=2 mm	



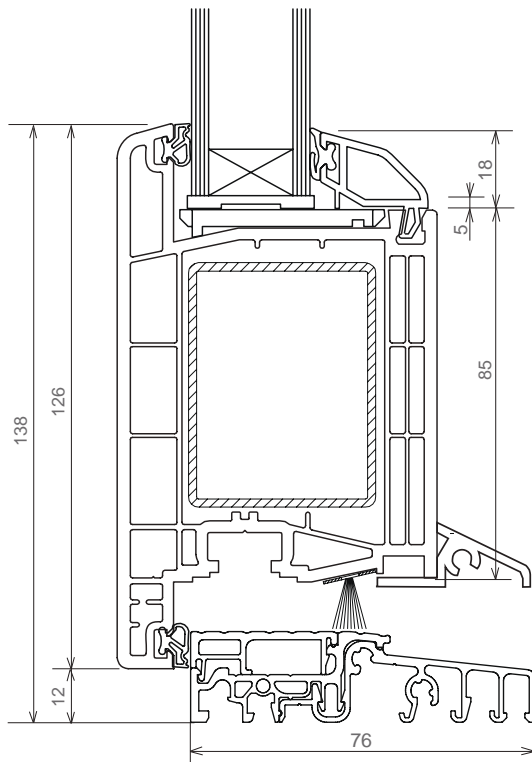
Frame	8015	
Steel	8701	$I_x=5,92 \text{ cm}^4$
	43x27.5	$I_y=2,87 \text{ cm}^4$
	t=2 mm	
Sash	8042	
Steel	8736	$I_x=13,83 \text{ cm}^4$
	40x60	$I_y=20,88 \text{ cm}^4$
	t=2 mm	

Threshold - Sash outside opening / Schwellenprofil - Flügel außen öffnend /
Soglia - Anta apertura esterna / Prag - Cercevea deschidere exterioară



Threshold	6861501	$I_x=10,60 \text{ cm}^4$ $I_y=9,22 \text{ cm}^4$
Sash	8078	
Steel	8706	
	48.5x46 t=2 mm	

Weather bar - elox
Wetterschenkel - elox
Profilo gocciolatoio - elox
Lăcrimar - elox

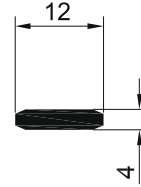
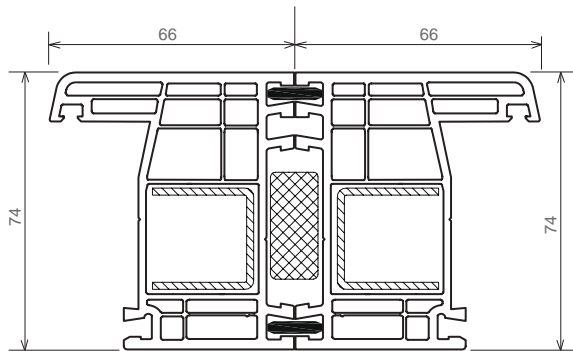


Threshold	6861501	$I_x=13,83 \text{ cm}^4$ $I_y=20,88 \text{ cm}^4$
Sash	8042	
Steel	8736	
	40x60 t=2 mm	

Weather bar - elox
Wetterschenkel - elox
Profilo gocciolatoio - elox
Lăcrimar - elox

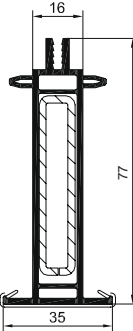
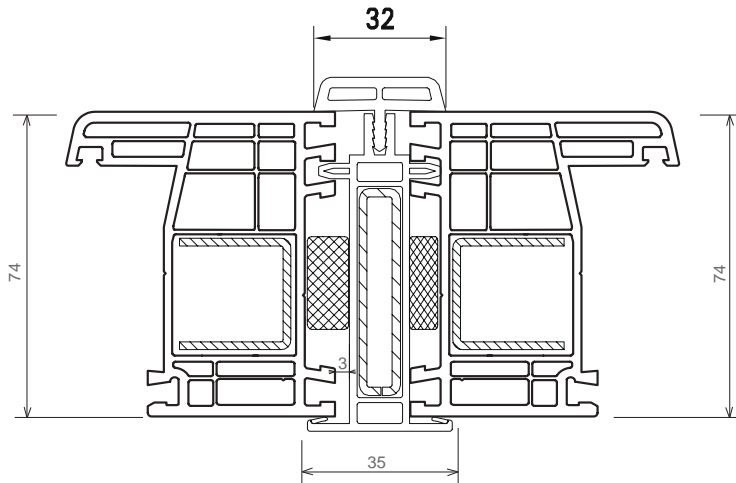
**Coupling profiles / Kopplungsprofile /
Profili di accoppiamento / Profile de cuplare**

**Coupling profile gasket / Kopplungsdichtung /
Guarnizione giunto / Garnitură de cuplare**



500730

**H coupler / H Kopplung / Profilo di accoppiamento /
Profil cuplare ranforsat**

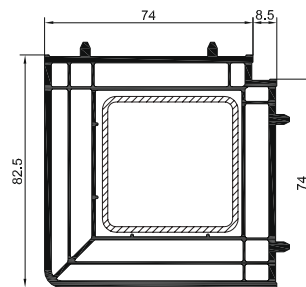
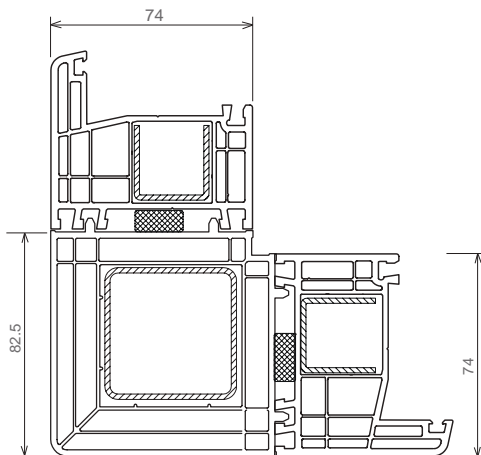


7281

Steel 7796

$I_x=9,19\text{cm}^4$

**Corner coupling 90° / Eckkopplung 90° /
Giunto angolare 90° / Profil cuplare 90°**

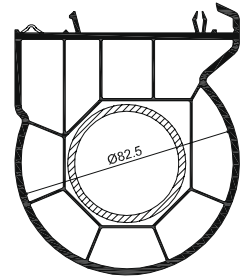
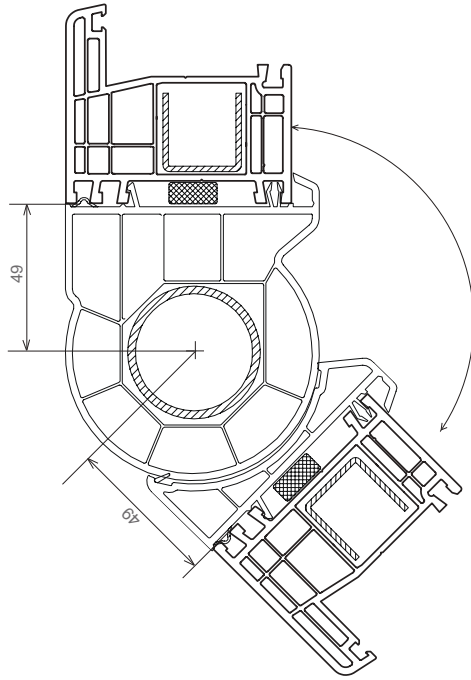


2304

Steel 7718

$I_x=7,11\text{cm}^4$

Bay pole / Eckkopplung variabel / *Giunto angolare variabile* / Profil cuplare unghi variabil

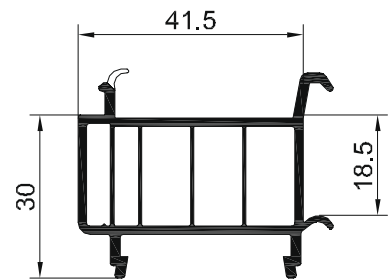
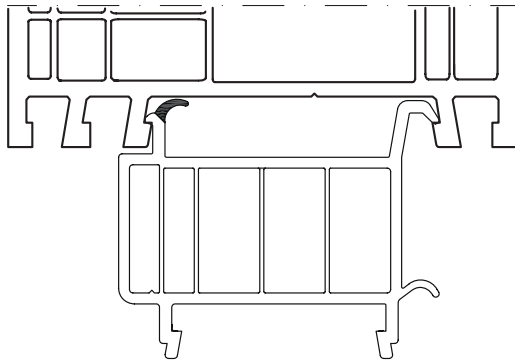


2233
Steel 7711
 $I_x=7,54 \text{ cm}^4$

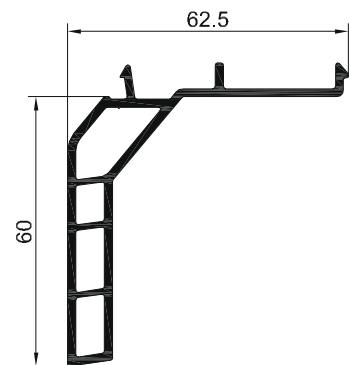
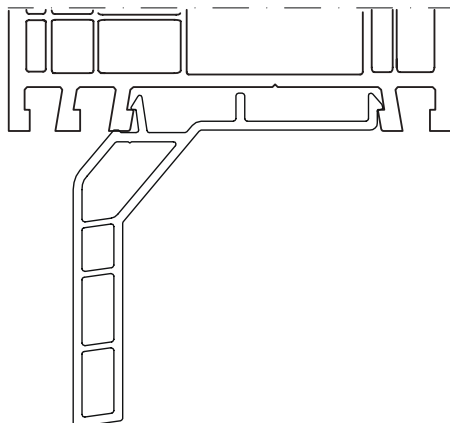


2234

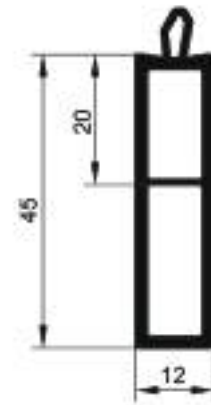
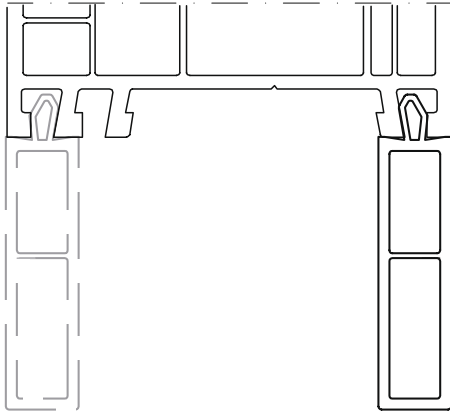
Base profiles / Sohlbankprofile /
Profilo appoggio inferiore / Profile supraînălțare pervaz



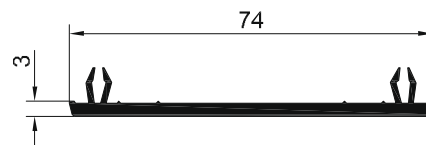
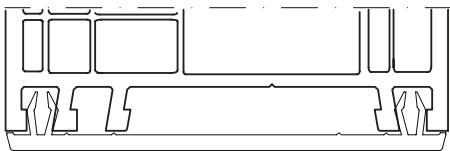
7205



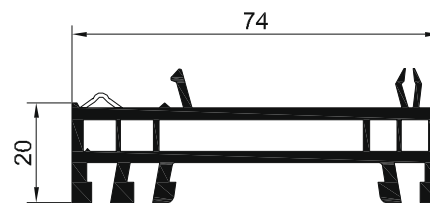
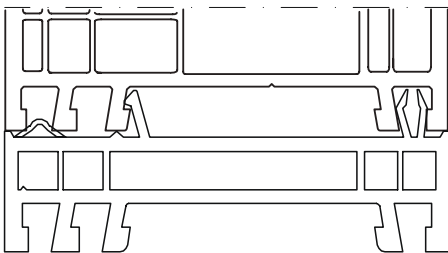
7209



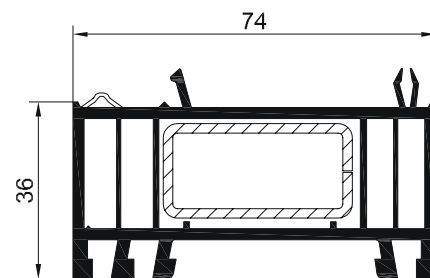
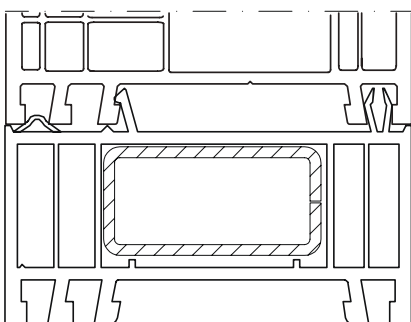
3217



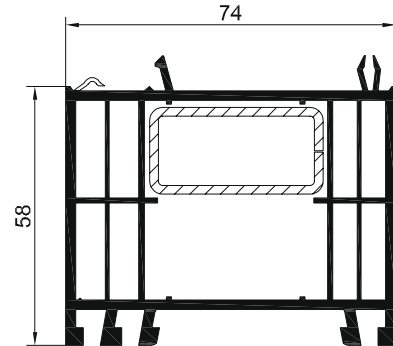
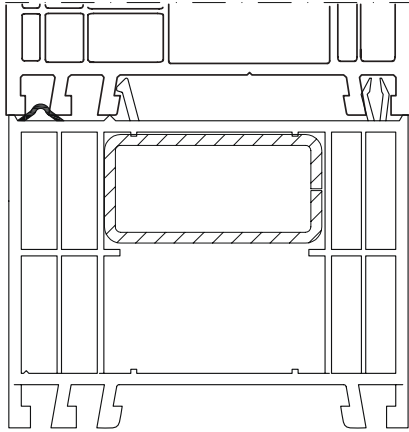
7310



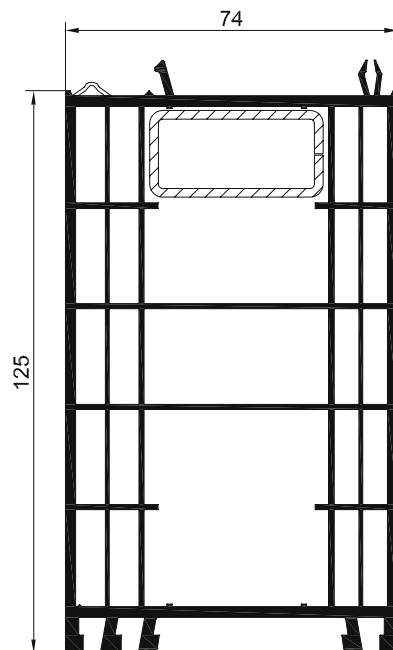
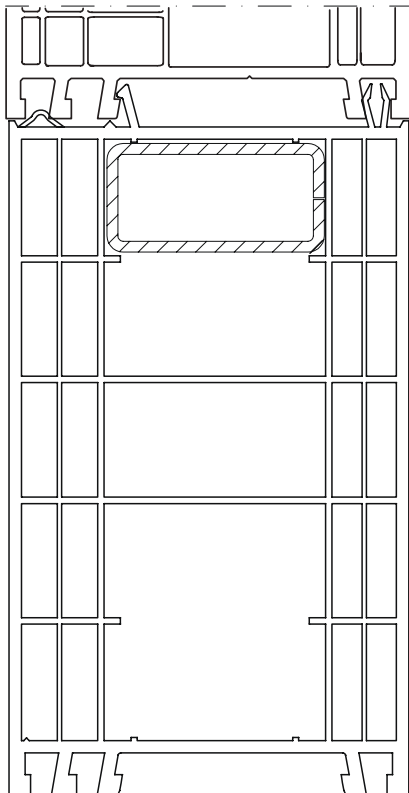
2315



2313
Steel 2724*
*Optional



7292
Steel 2724*
*Optional

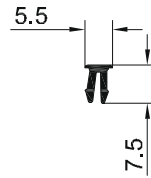
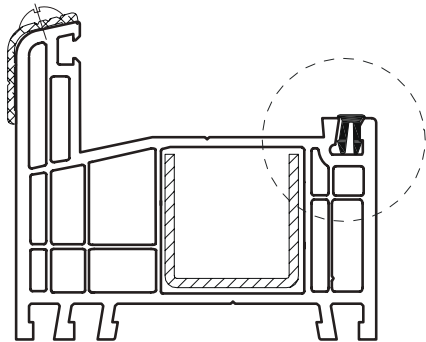


2311
Steel 2724*
*Optional

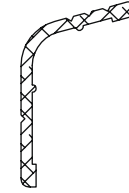
Auxiliary profiles / Zusatzprofile / Profili aggiuntivi / Profile auxiliare

Aluminum foot-step angle / Alu-Trittwinkel / Protezione pedata in alluminio / Protecție aluminiu toc

Cover profile / Abdeck Profil / Profilo chiudi-cava / Profil închidere nut

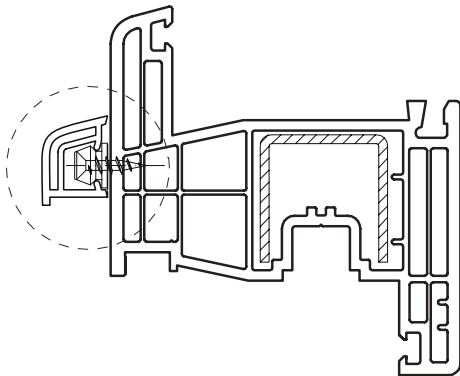


230600



8459

Weather bar / Wetterschenkel / Profilo gocciolatoio / Lăcrimar

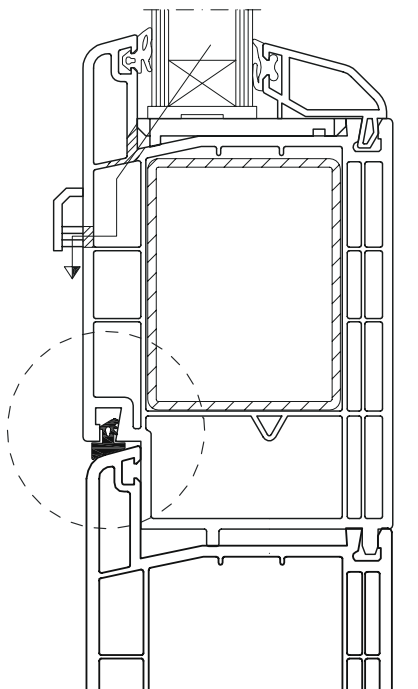


3325

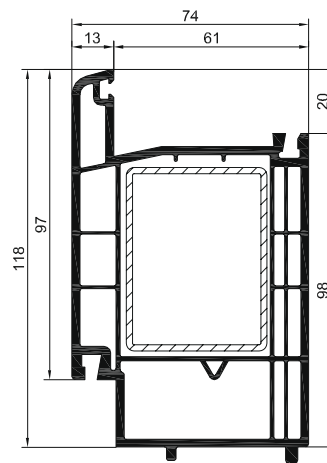


3327

Extension profile / Verbreiterung / Profilo zoccolo porta / Profil bandou ușă



8177

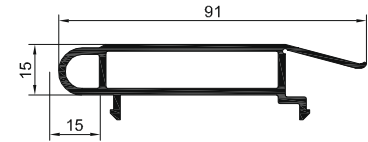
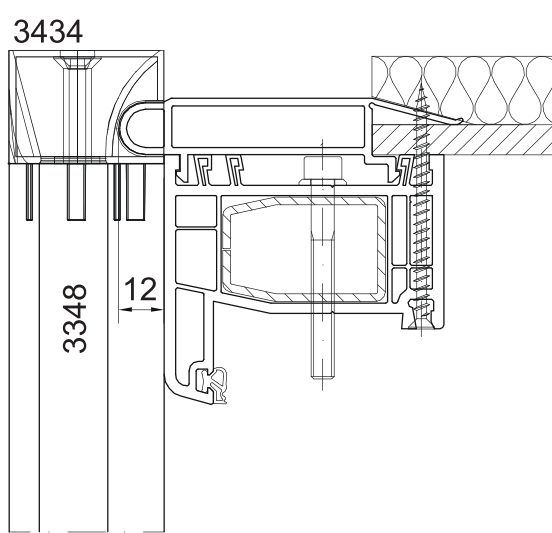


8273
Steel 8736

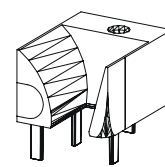
Roller shutter profiles / Rollladen Zusatzprofile / Profili aggiuntivi per avvolgibile / Profile rulouri

Roller shutter guide profile / Rollladen Ablaufprofil / Profilo guida tapparelle / Profil ghidaj cover lamele rulou

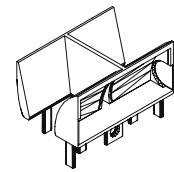
Roller shutter feeding form / Rollladeneinlauftrichter / Convogliatore avvolgibile / Ghidaj șină rulou



7340

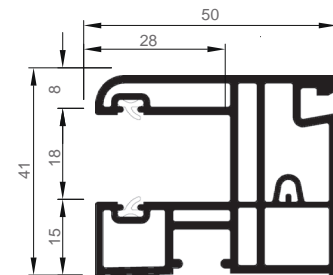
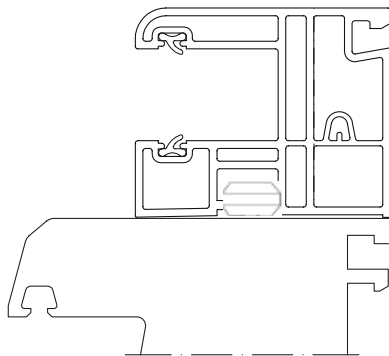


3434



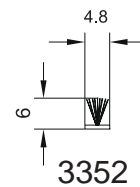
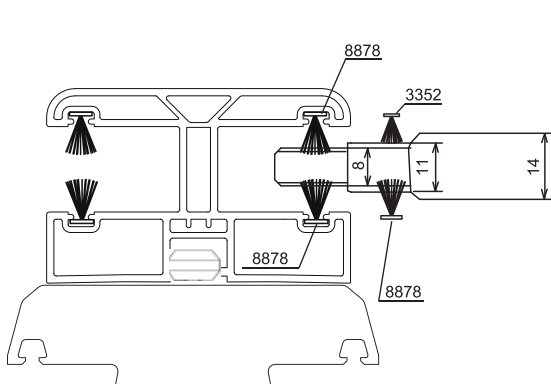
3429

Roller shutter guide / Rollladenführung / Guida per avvolgibile / Șină rulou

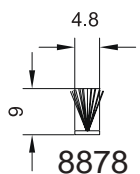


3348

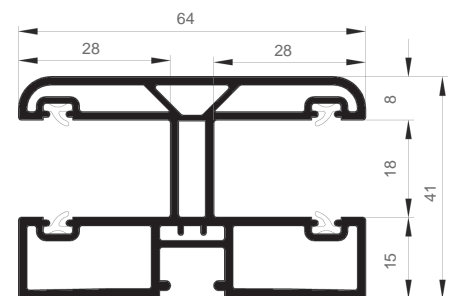
Roller shutter guide / Rollladenführung / Guida per avvolgibile / Șină rulou



3352



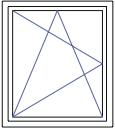
8878



3347

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

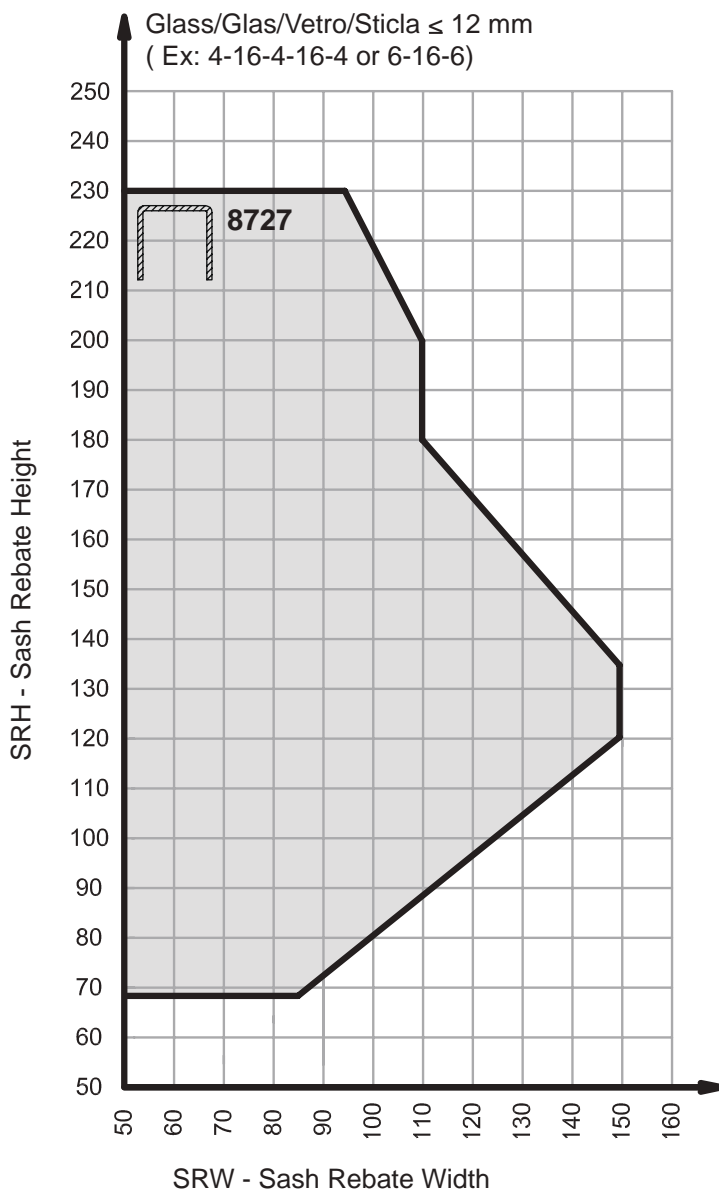
Opening types



Profile: **WHITE** / WEISS / BIANCO / ALB

Glass: $\leq 30 \text{ kg/m}^2$

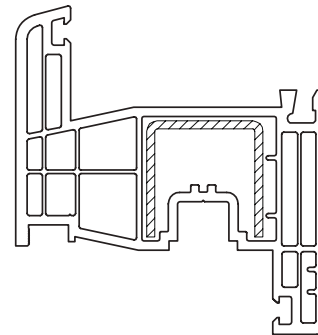
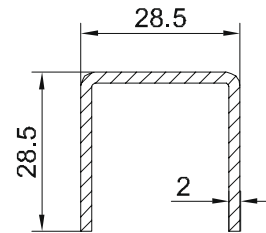
Sash: Standard



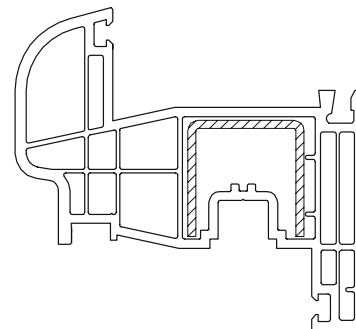
Steel

8727

28,5x28,5 $I_x=2,20 \text{ cm}^4$
t=2mm



Sash 8095



Sash 8096

The sash width must not be greater than the sash height by more than 25%

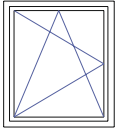
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

Opening types



Profile: **WHITE / WEISS / BIANCO / ALB**

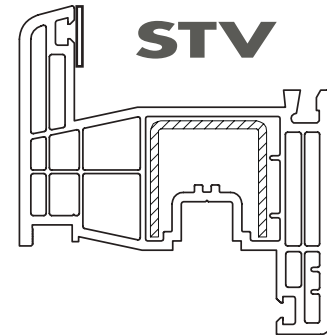
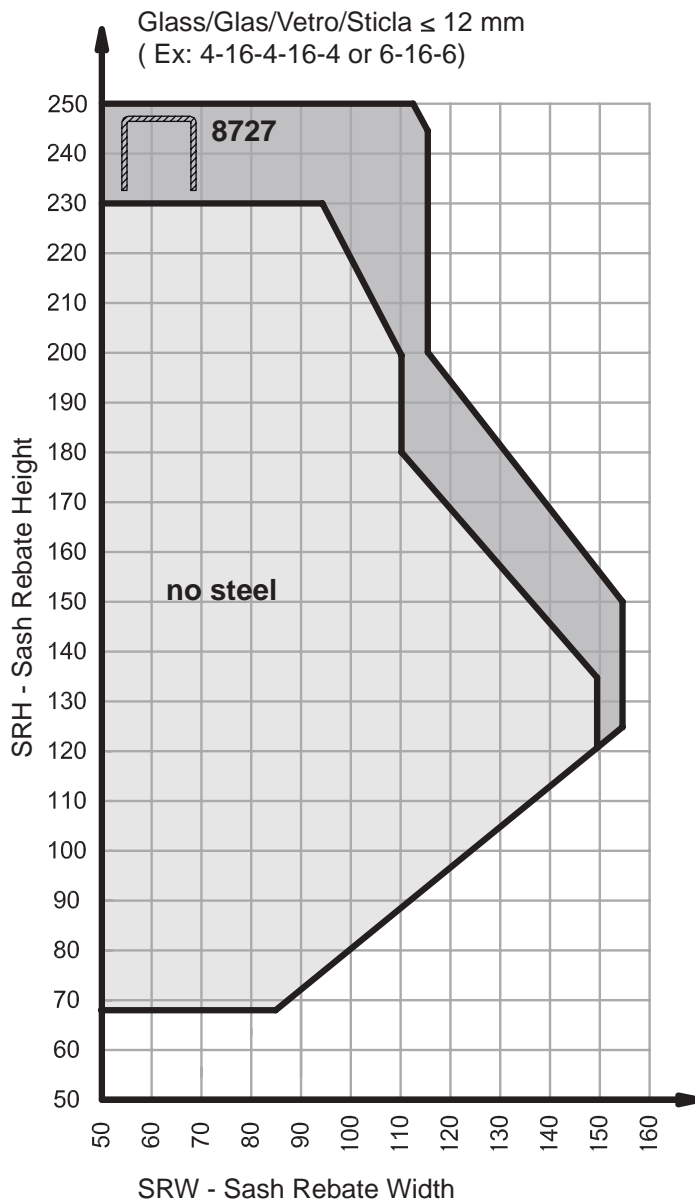
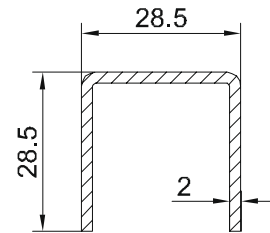
Glass: $\leq 30 \text{ kg/m}^2$

Sash: STV

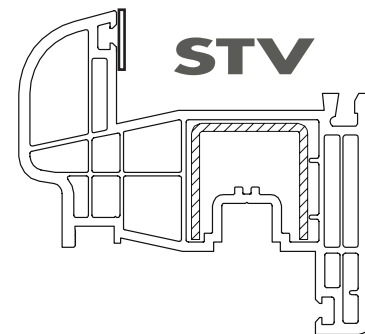
Steel

8727

28,5x28,5 $I_x=2,20 \text{ cm}^4$
t=2mm



Sash 8095A



Sash 8096A

The sash width must not be greater than the sash height by more than 25%

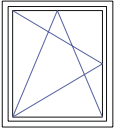
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Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

Opening types



Profile: **COLOR / FARBE / PELLICOLATO / COLOR**

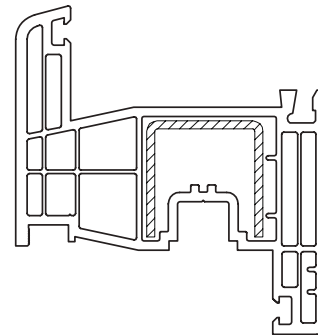
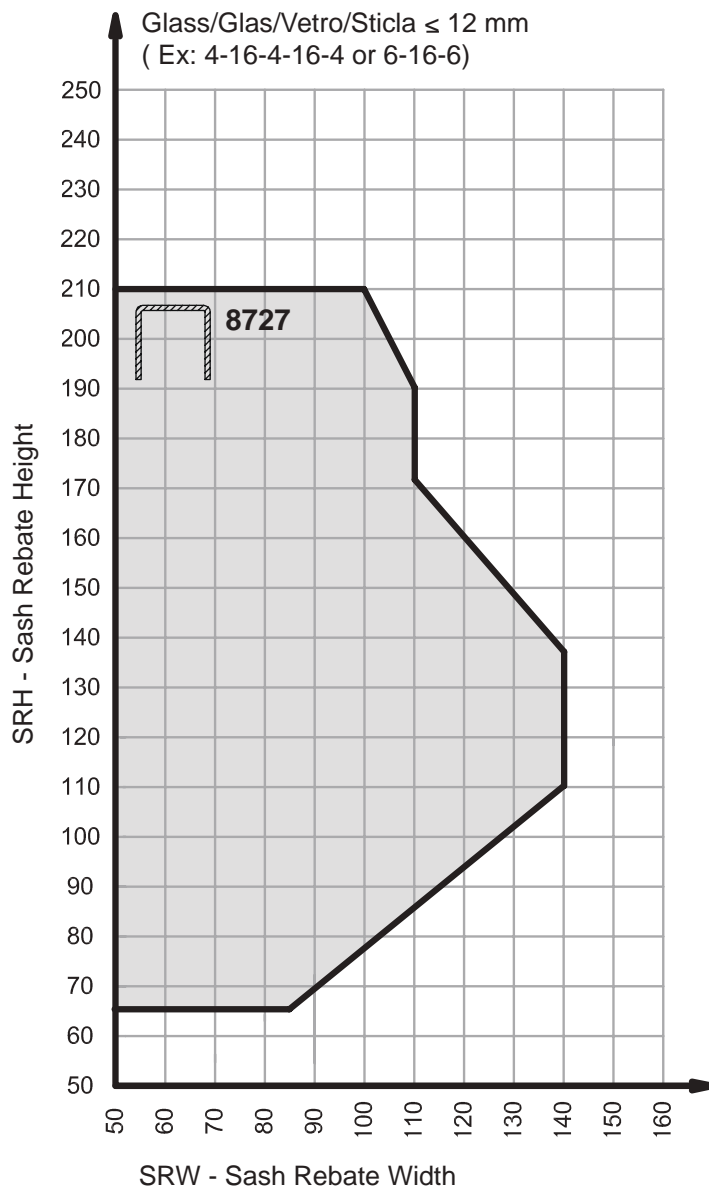
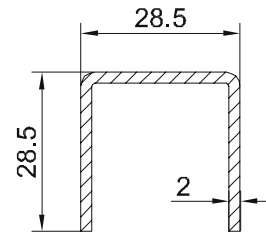
Glass: $\leq 30 \text{ kg/m}^2$

Sash: Standard

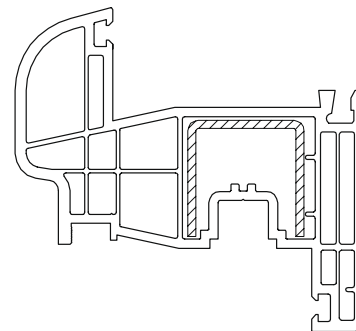
Steel

8727

28,5x28,5 $I_x=2,20 \text{ cm}^4$
t=2mm



Sash 8095



Sash 8096

The sash width must not be greater than the sash height by more than 25%

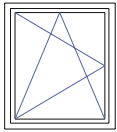
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Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

Opening types



Profile: **COLOR / FARBE / PELLICOLATO / COLOR**

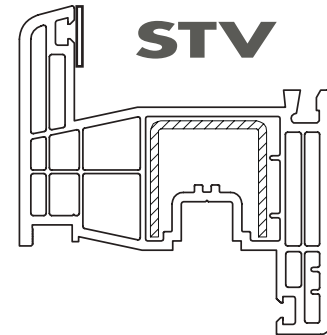
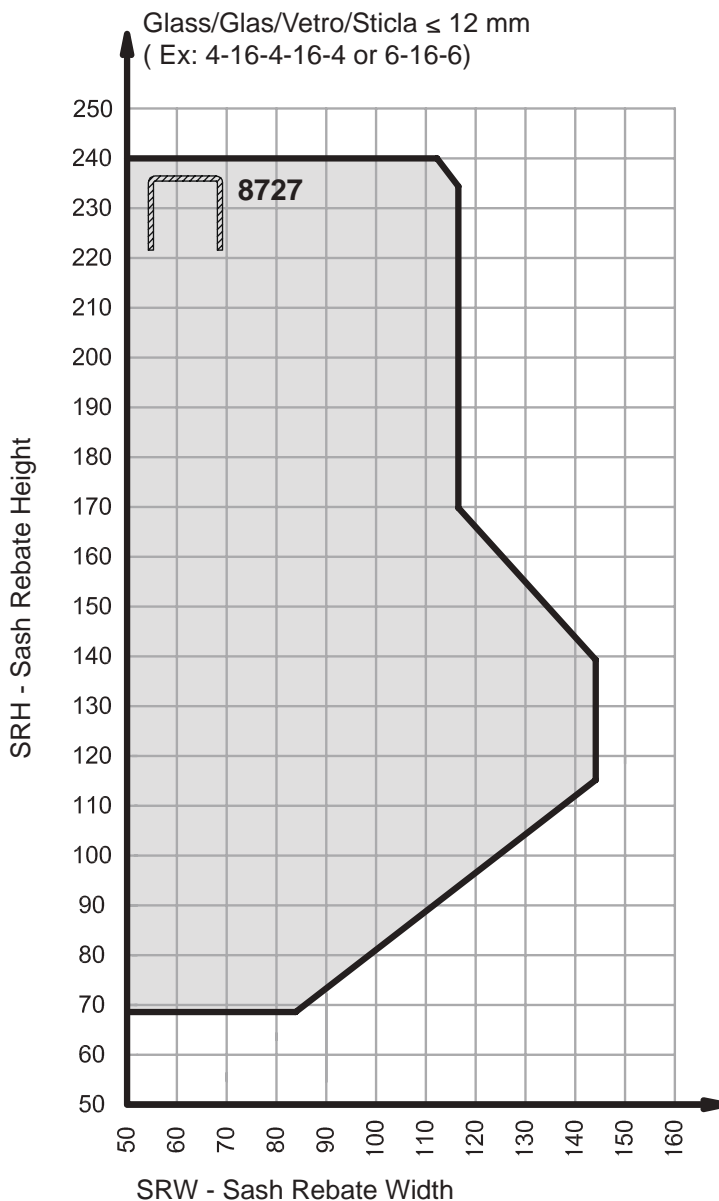
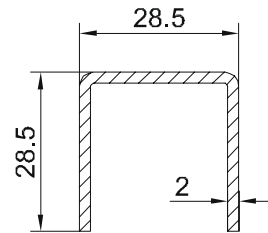
Glass: $\leq 30 \text{ kg/m}^2$

Sash: STV

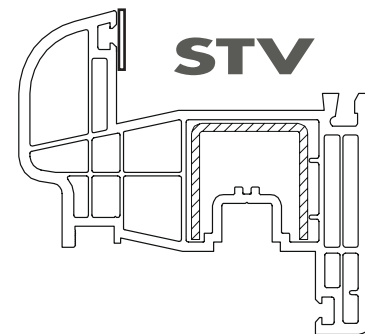
Steel

8727

28,5x28,5 $I_x=2,20 \text{ cm}^4$
t=2mm



Sash 8095A



Sash 8096A

The sash width must not be greater than the sash height by more than 25%

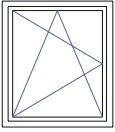
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Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

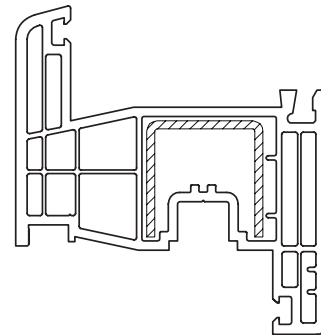
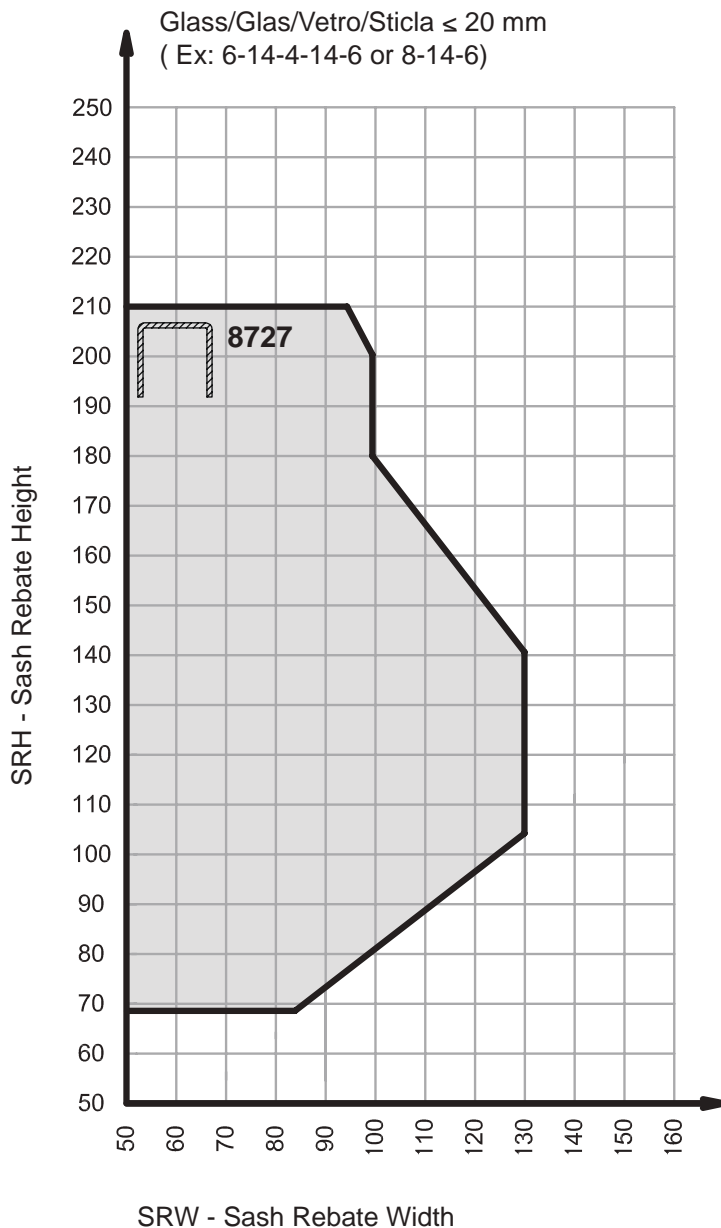
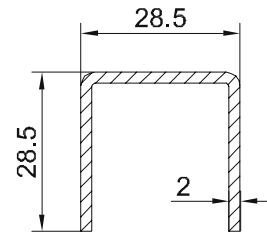
Opening types



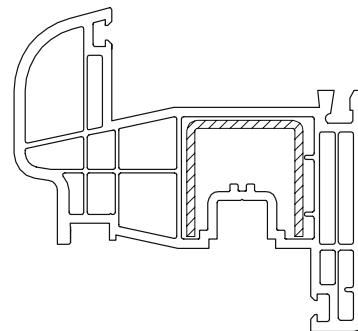
Profile: **WHITE and COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB și COLOR
Glass: $\leq 50 \text{ kg/m}^2$
Sash: Standard

Steel

8727
28,5x28,5 $I_x=2,20 \text{ cm}^4$
t=2mm



Sash 8095



Sash 8096

The sash width must not be greater than the sash height by more than 25%

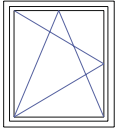
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

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Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

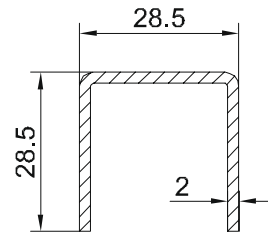
Opening types



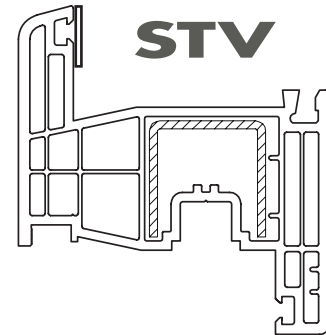
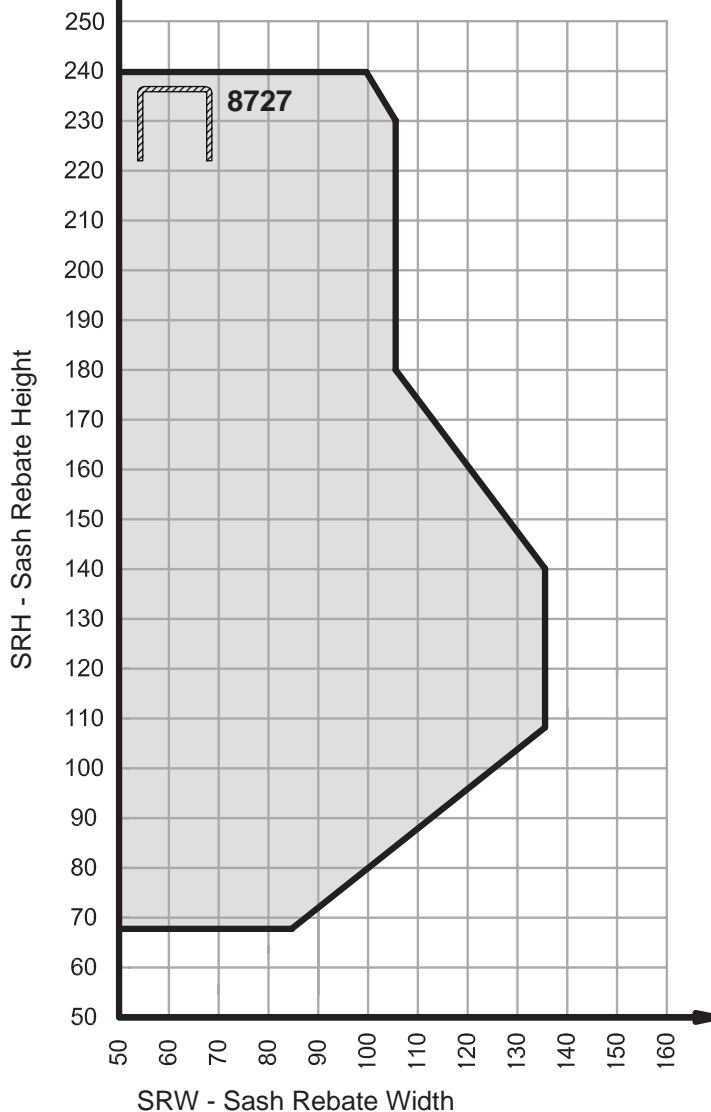
Profile: **WHITE** and **COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB si COLOR
Glass: $\leq 50 \text{ kg/m}^2$
Sash: STV

Steel

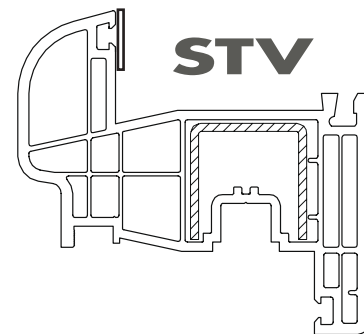
8727
28,5x28,5 $I_x=2,20 \text{ cm}^4$
t=2mm



Glass/Glas/Vetro/Sticla $\leq 20 \text{ mm}$
(Ex: 6-14-4-14-6 or 8-14-6)



Sash 8095A



Sash 8096A

The sash width must not be greater than the sash height by more than 25%

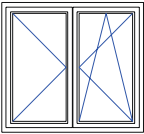
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

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Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

Opening types



Profile: **WHITE** / WEISS / BIANCO / ALB

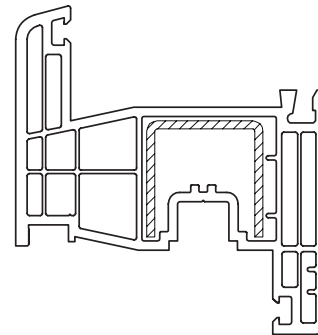
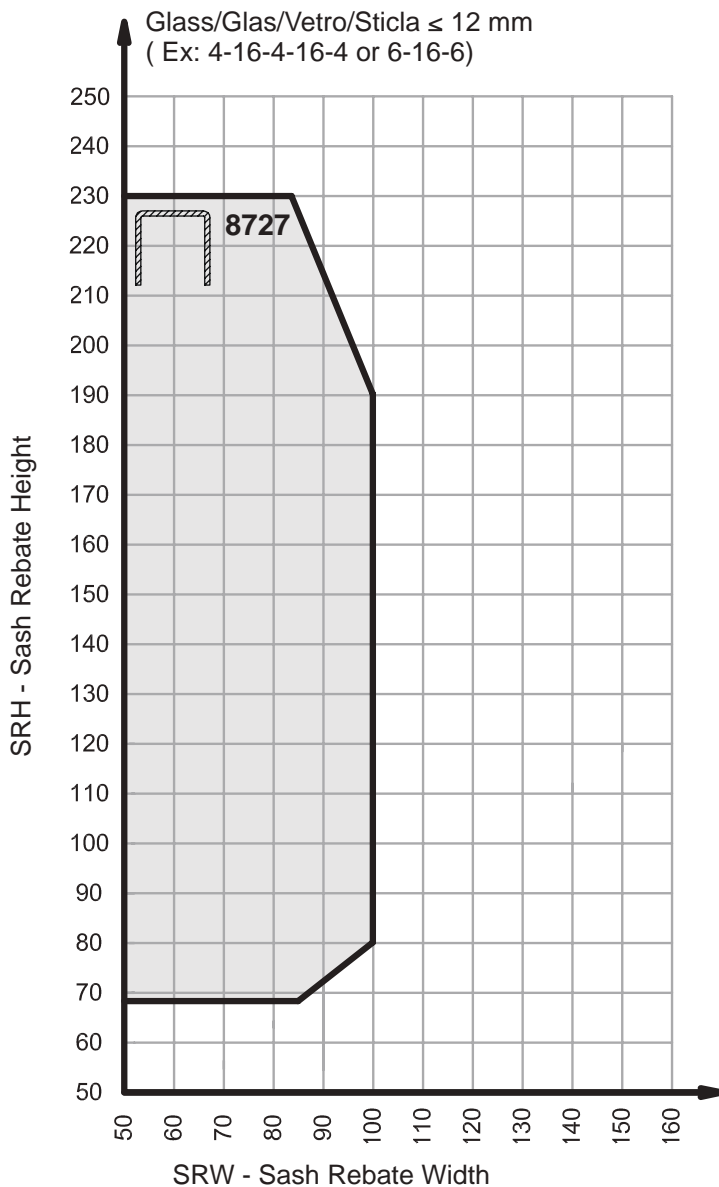
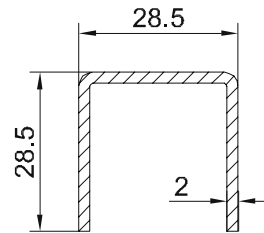
Glass: $\leq 30 \text{ kg/m}^2$

Sash: Standard

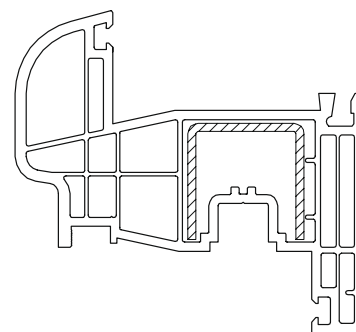
Steel

8727

28,5x28,5 $I_x=2,20 \text{ cm}^4$
t=2mm



Sash 8095



Sash 8096

The sash width must not be greater than the sash height by more than 25%

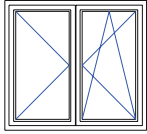
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

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Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

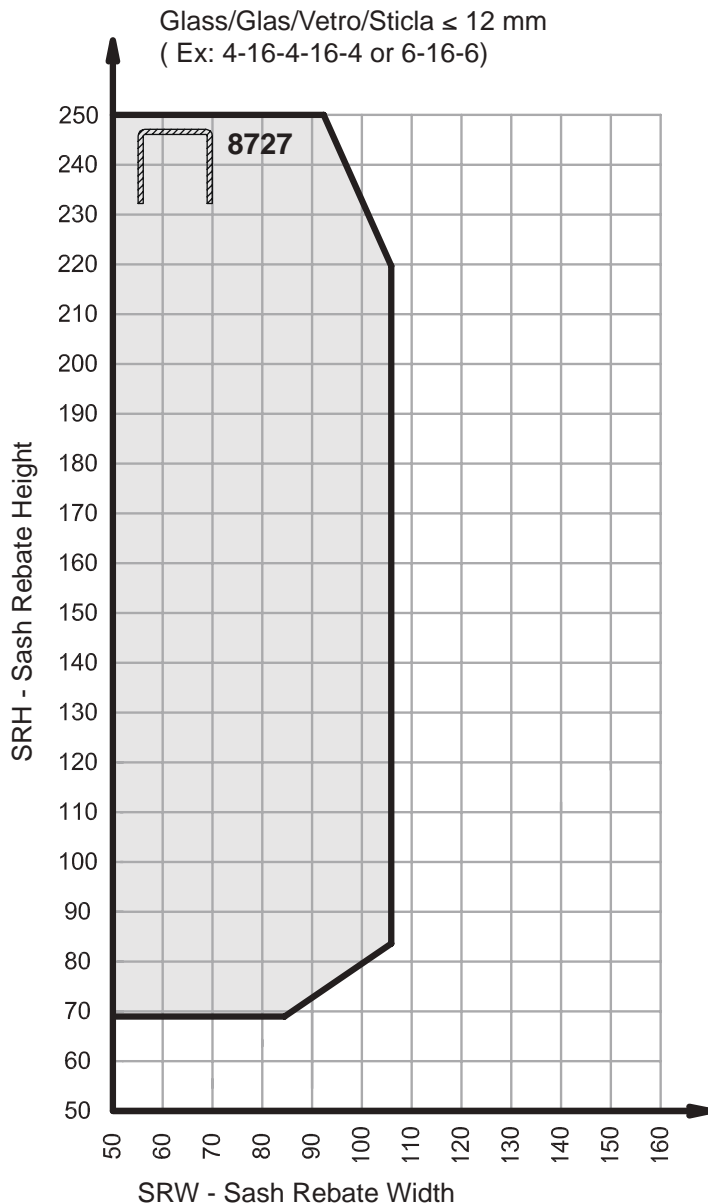
Opening types



Profile: **WHITE / WEISS / BIANCO / ALB**

Glass: $\leq 30 \text{ kg/m}^2$

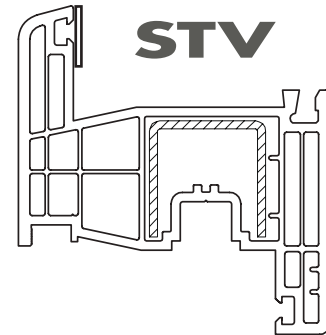
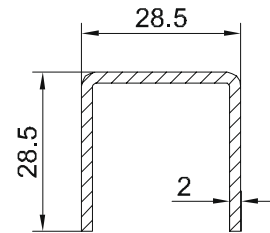
Sash: STV



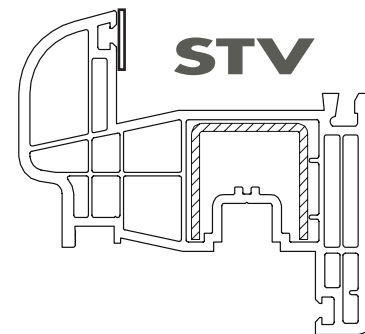
Steel

8727

28,5x28,5 $I_x=2,20 \text{ cm}^4$
t=2mm



Sash 8095A



Sash 8096A

The sash width must not be greater than the sash height by more than 25%

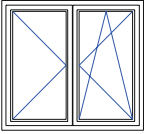
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

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Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

Opening types



Profile: **COLOR / FARBE / PELLICOLATO / COLOR**

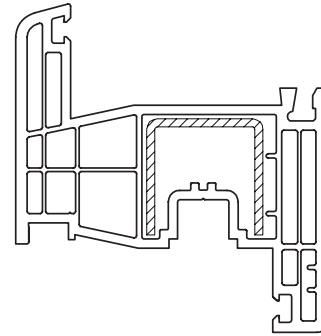
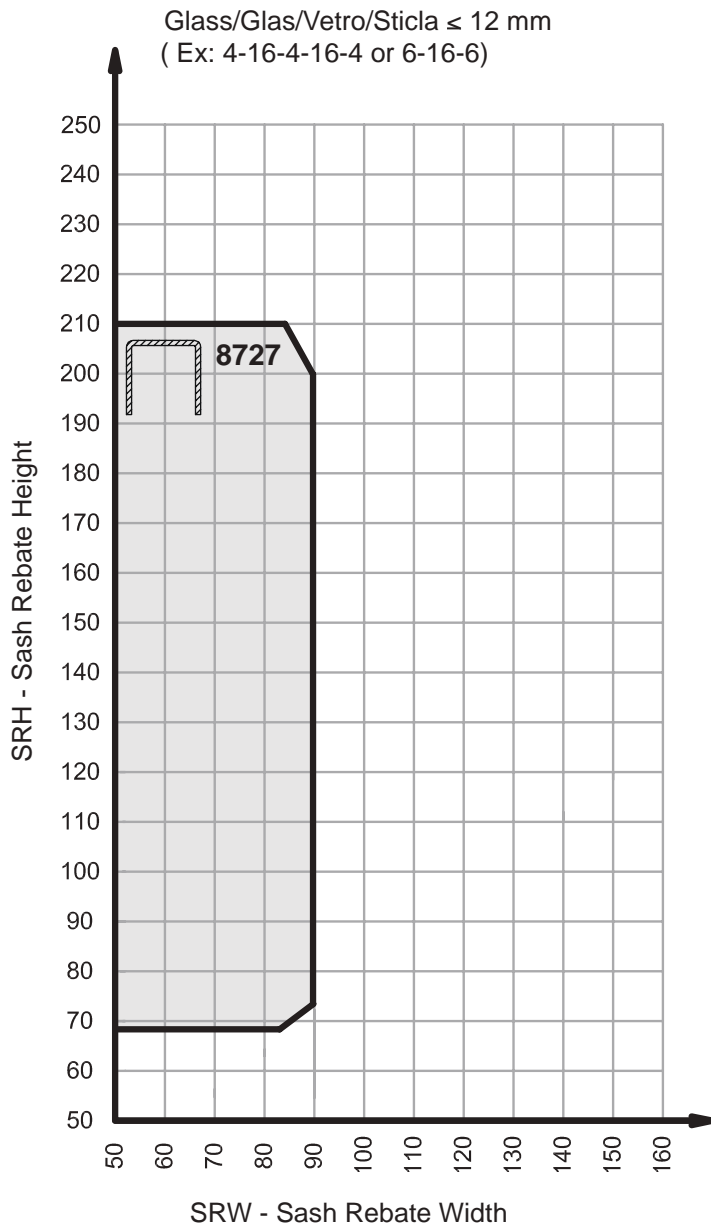
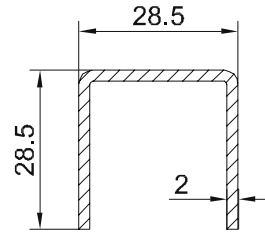
Glass: $\leq 30 \text{ kg/m}^2$

Sash: Standard

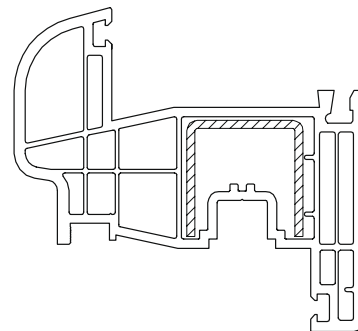
Steel

8727

28,5x28,5 $I_x=2,20 \text{ cm}^4$
t=2mm



Sash 8095



Sash 8096

The sash width must not be greater than the sash height by more than 25%

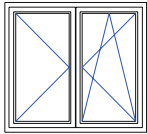
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

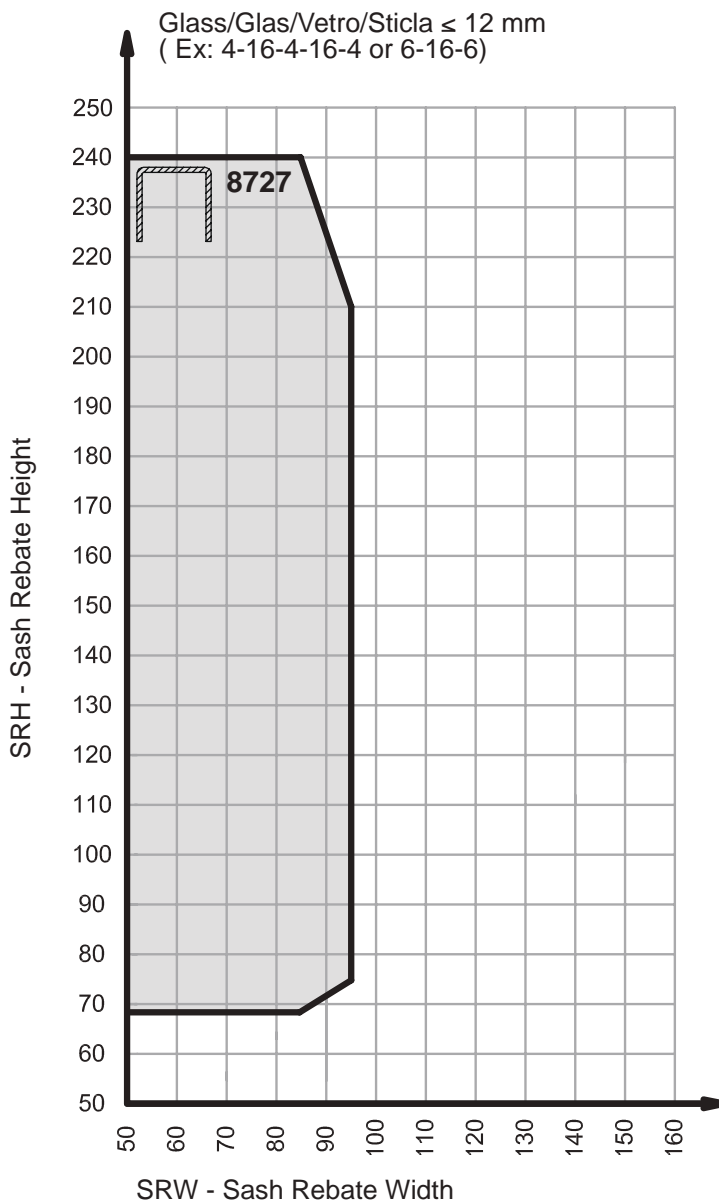
Opening types



Profile: **COLOR / FARBE / PELLICOLATO / COLOR**

Glass: $\leq 30 \text{ kg/m}^2$

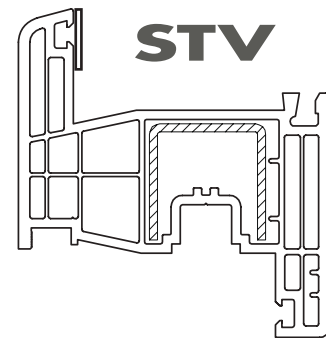
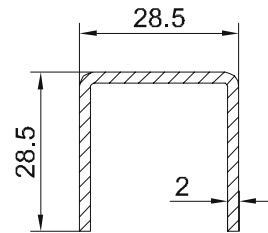
Sash: STV



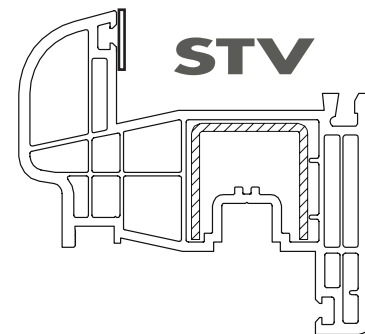
Steel

8727

28,5x28,5 $I_x=2,20 \text{ cm}^4$
t=2mm



Sash 8095A



Sash 8096A

The sash width must not be greater than the sash height by more than 25%

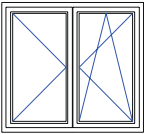
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Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

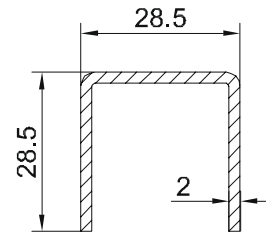
Opening types



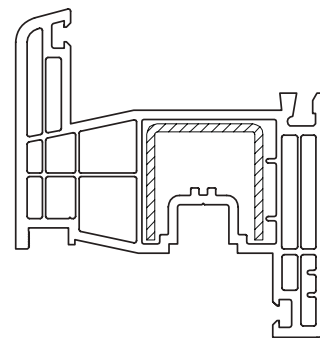
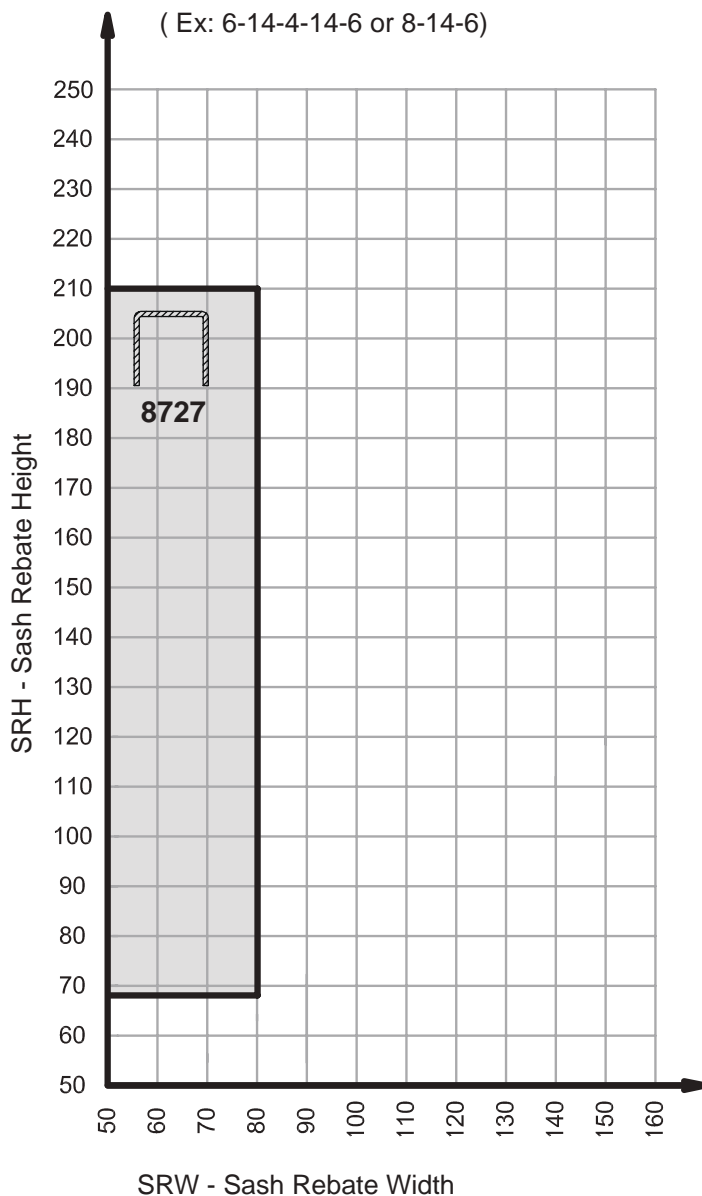
Profile: **WHITE and COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB si COLOR
Glass: $\leq 50 \text{ kg/m}^2$
Sash: Standard

Steel

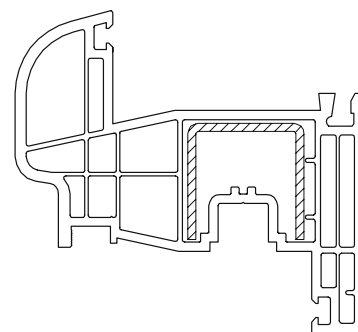
8727
28,5x28,5 $I_x=2,20 \text{ cm}^4$
t=2mm



Glass/Glas/Vetro/Sticla $\leq 20 \text{ mm}$
(Ex: 6-14-4-14-6 or 8-14-6)



Sash 8095



Sash 8096

The sash width must not be greater than the sash height by more than 25%

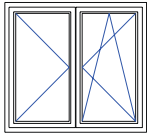
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Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

Opening types

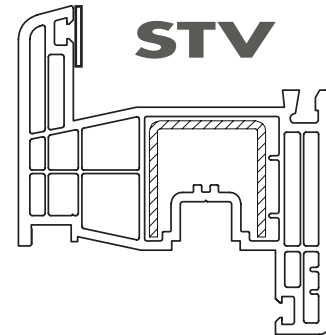
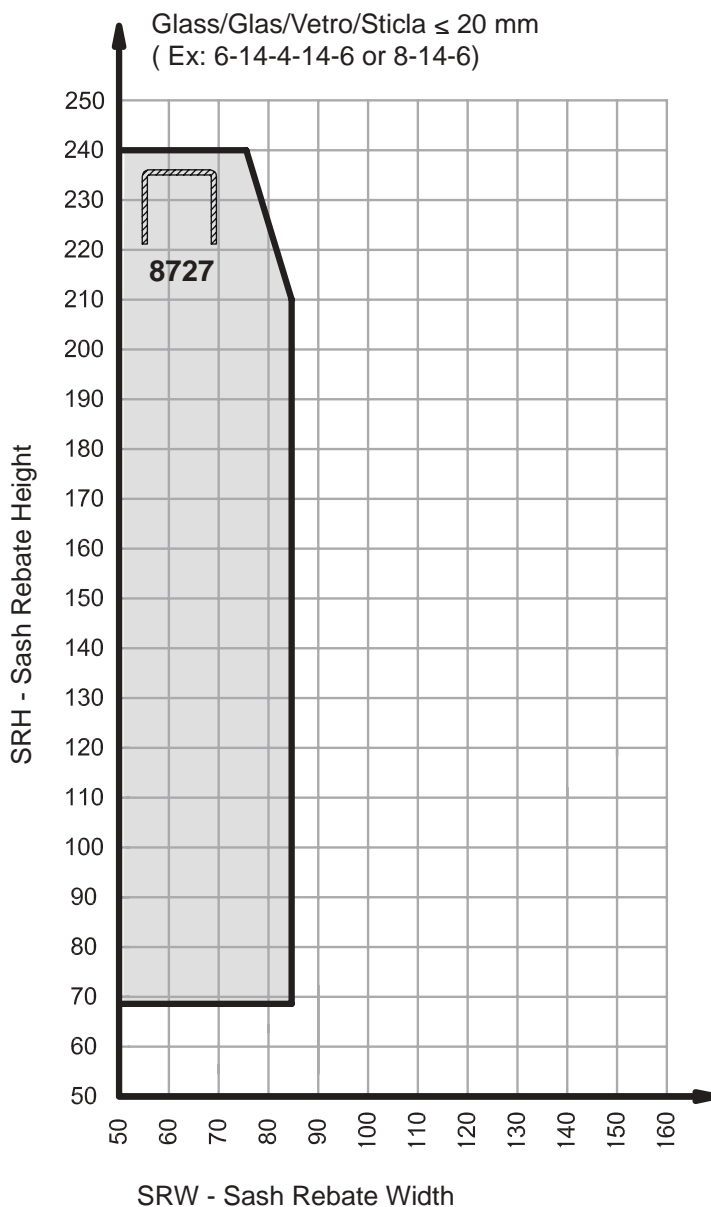
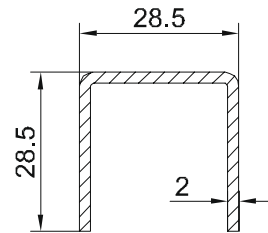


Profile: **WHITE** and **COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB si COLOR
Glass: $\leq 50 \text{ kg/m}^2$
Sash: STV

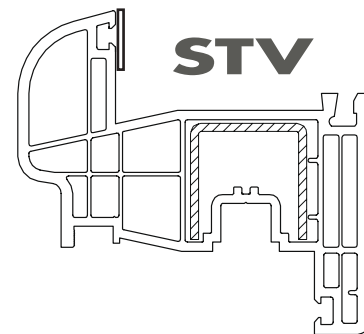
Steel

8727

28,5x28,5 $I_x=2,20 \text{ cm}^4$
t=2mm



Sash 8095A



Sash 8096A

The sash width must not be greater than the sash height by more than 25%

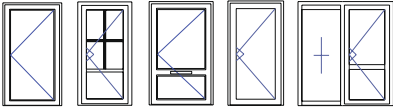
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

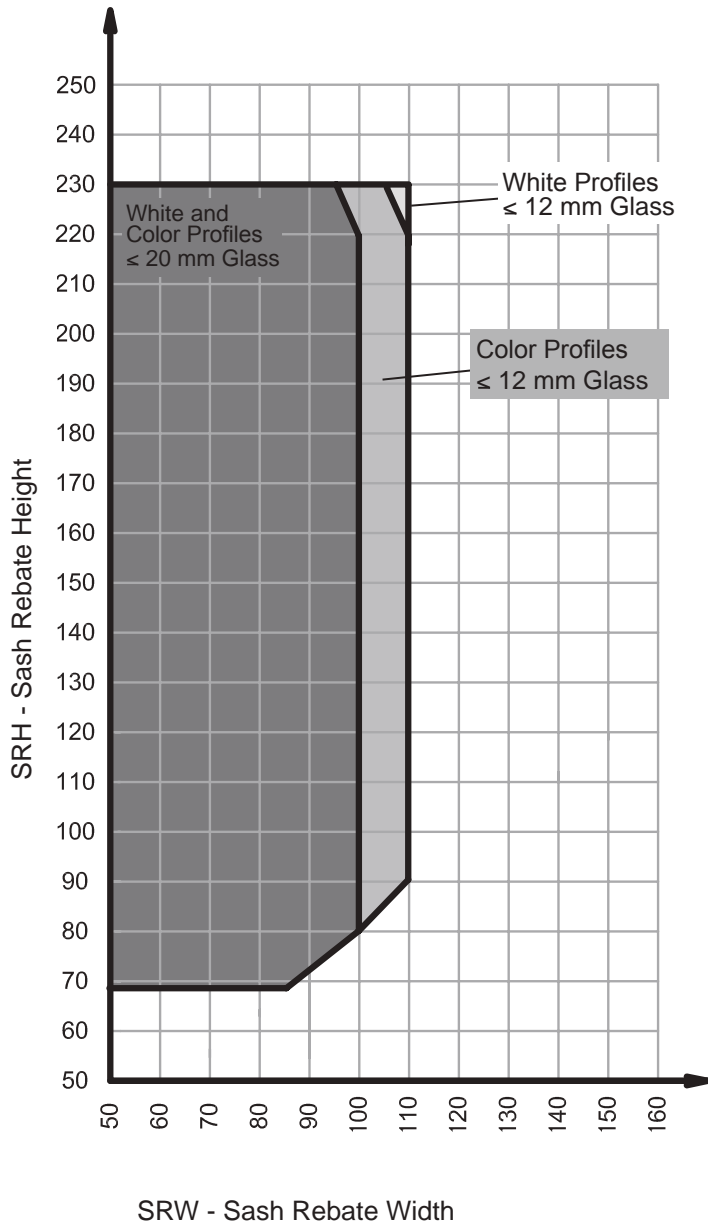
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Door Sash Maximum Sizes / Türen Flügelgrößen Diagramme / Campi d'applicazione
Anta Porta / Dimensiuni maxime cercevea ușă

Opening types

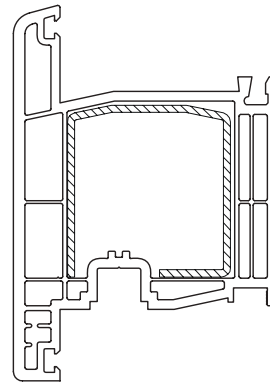
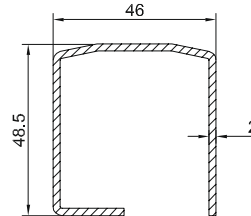


Profile: **WHITE** and **COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB și COLOR
Glass: $\leq 50 \text{ kg/m}^2$
Sash: Standard

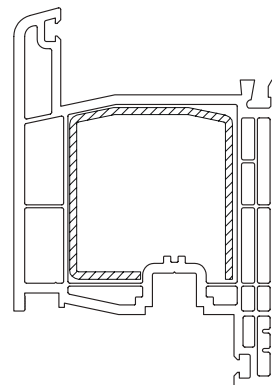


Steel

8706
46X48.5 $I_x=10,60 \text{ cm}^4$
t=2 mm



Sash 8078



Sash 8081

The sash width must not be greater than the sash height by more than 25%

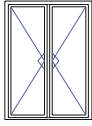
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Door Sash Maximum Sizes / Türen Flügelgrößen Diagramme / Campi d'applicazione
Anta Porta / Dimensiuni maxime cercevea ușă

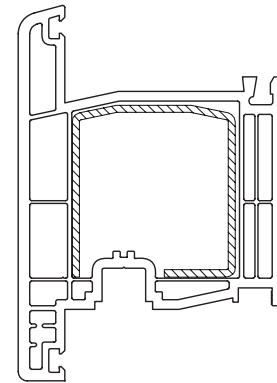
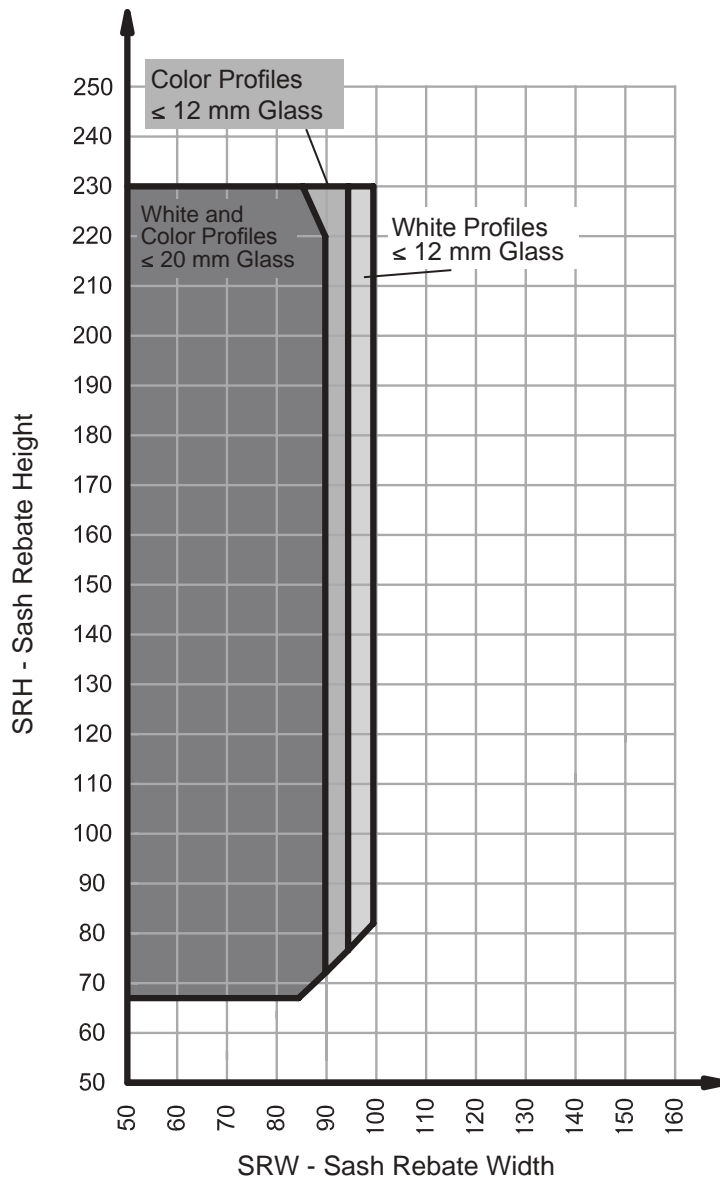
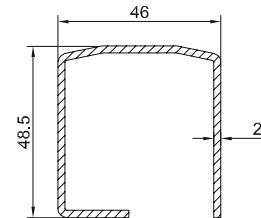
Opening types



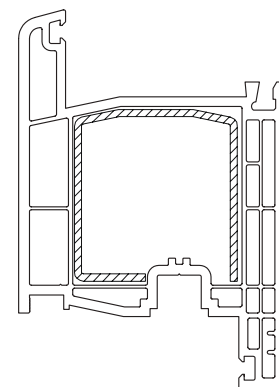
Profile: **WHITE** and **COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB și COLOR
Glass: $\leq 50 \text{ kg/m}^2$
Sash: Standard

Steel

8706
46X48.5 $I_x=10,60 \text{ cm}^4$
t=2 mm



Sash 8078



Sash 8081

The sash width must not be greater than the sash height by more than 25%

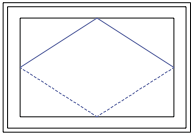
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră

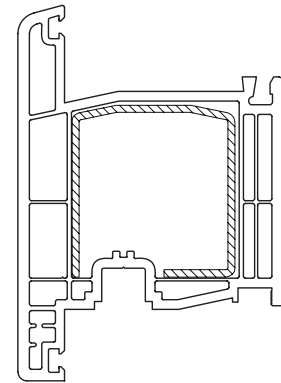
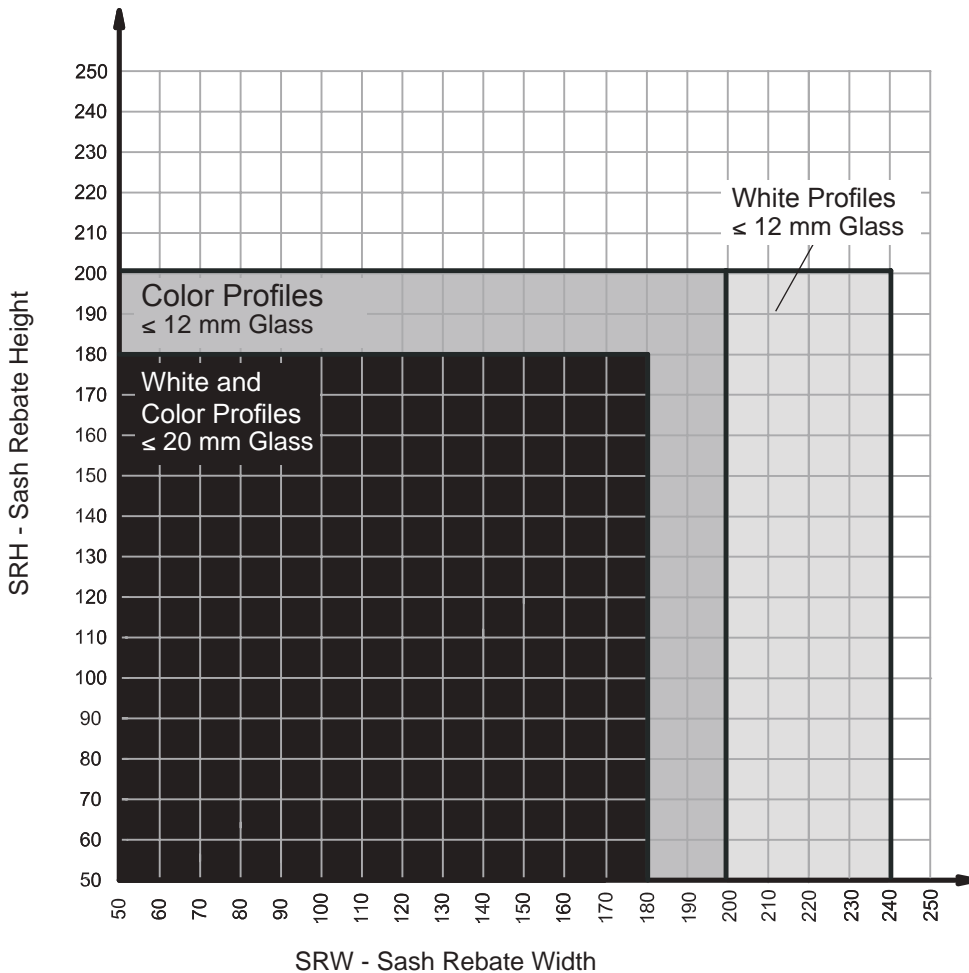
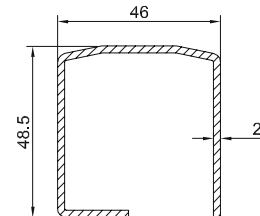
Opening types



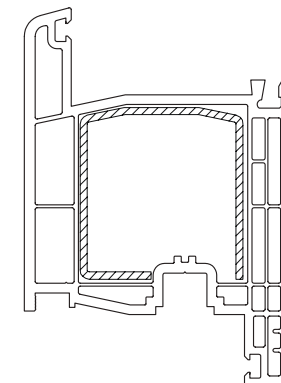
Profile: **WHITE** and **COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB si COLOR
Glass: $\leq 50 \text{ kg/m}^2$
Sash: Standard

Steel

8706
46X48.5 $I_x=10,60 \text{ cm}^4$
t=2 mm



Sash 8078



Sash 8081

The sash width must not be greater than the sash height by more than 25%

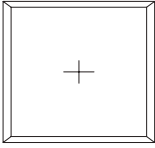
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

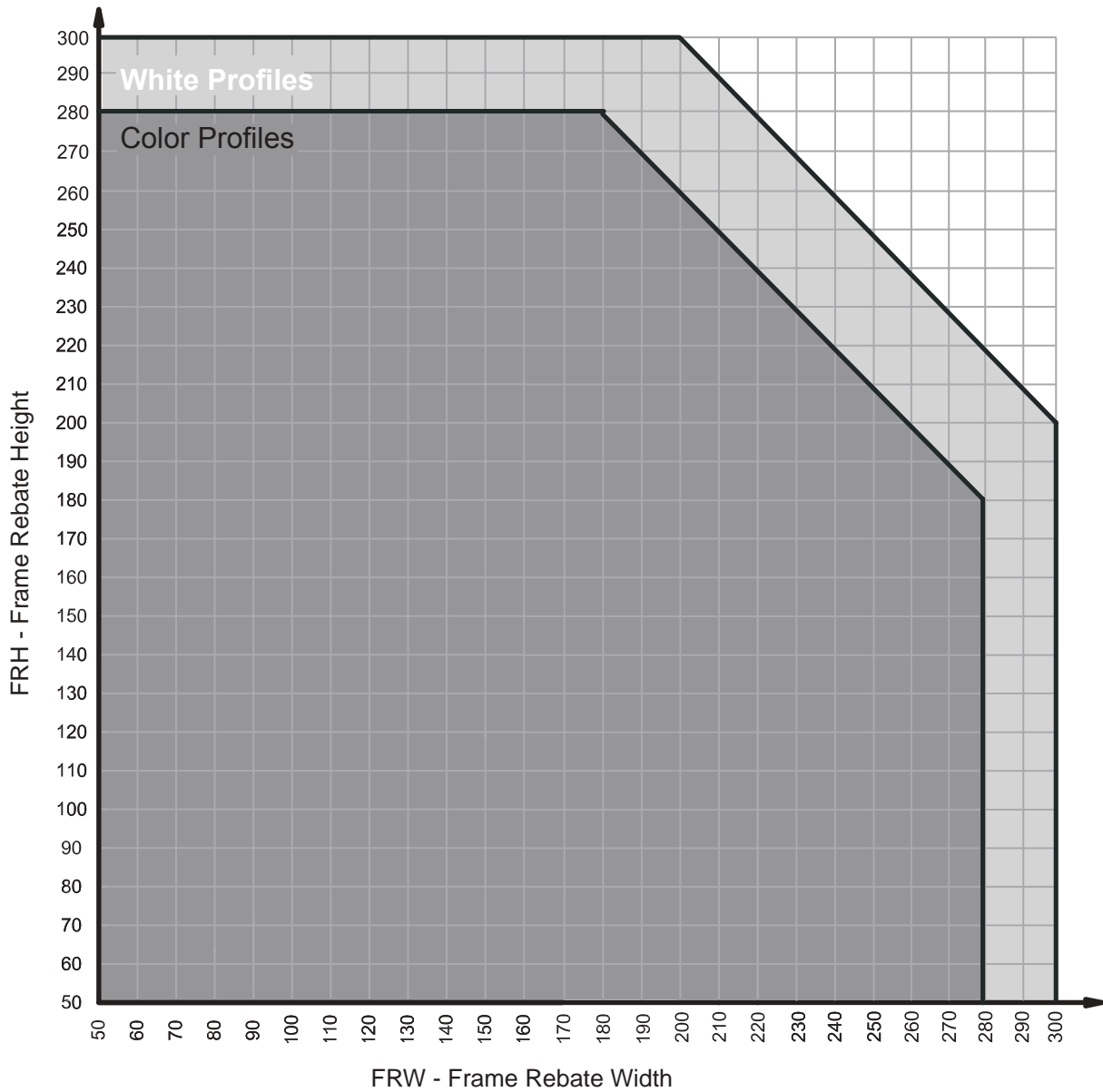
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

Window Frame Maximum Sizes / Fenster Blendrahmengrößen Diagramme /
Campi d'applicazione Telaio Finestra / Dimensiuni maxime toc fereastră

Opening types

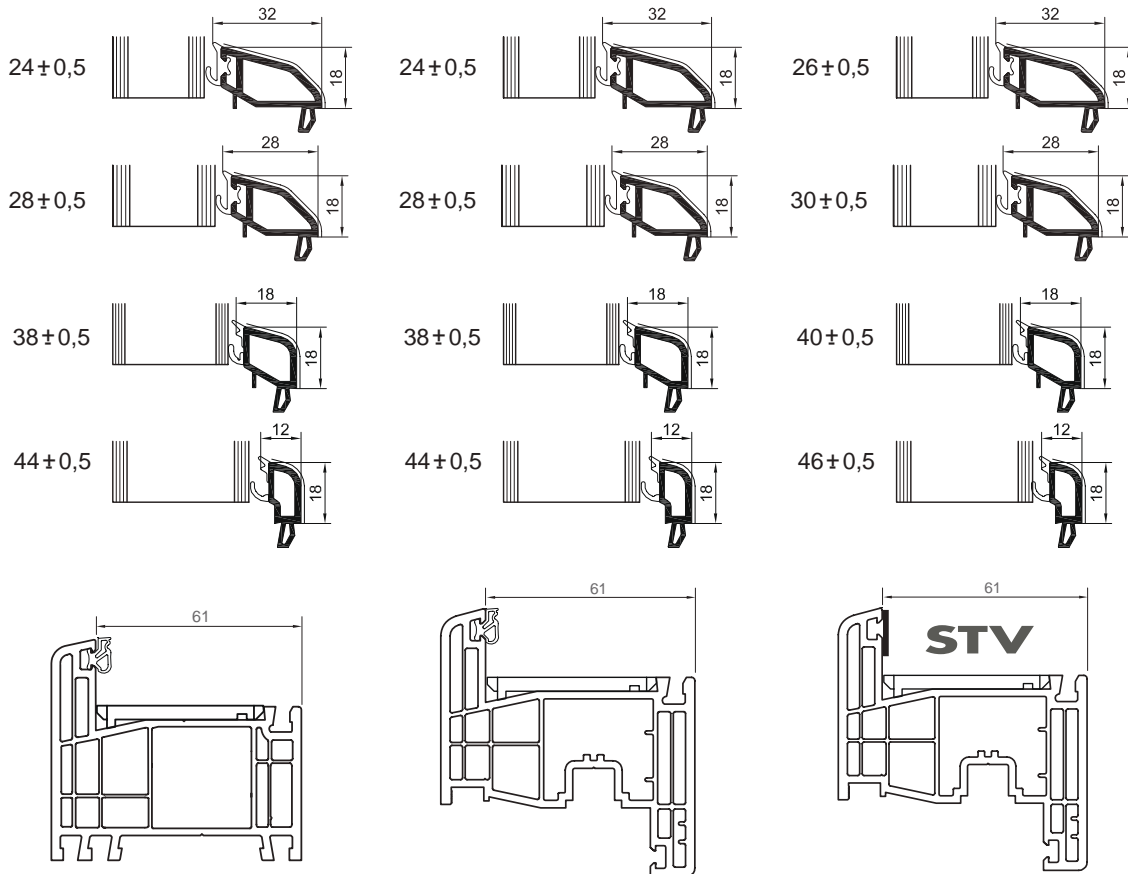


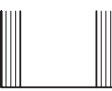
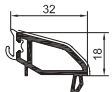

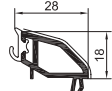
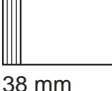
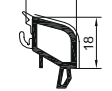


Profile: **WHITE** and **COLOR** / WEISS und FARBE /
BIANCO e PELLICOLATO / ALB și COLOR

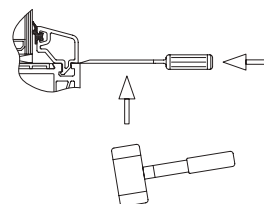
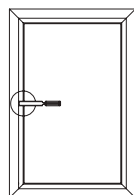
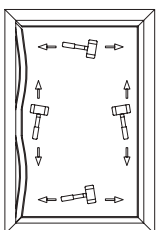


PERFORMER 74
RONDO
STYLE 76
PASIV 82
KUBUS
PREMIDOOR 76
PREMIDOOR 88
PREMILINE
BESCHLÄG
HARDWARE
GLASS
ROLLO TOP
ROLLO FRONT
BORA
HERCULES 70

Glazing Beads / Glasleiste / Fermavetri / Baghete de fixare geam

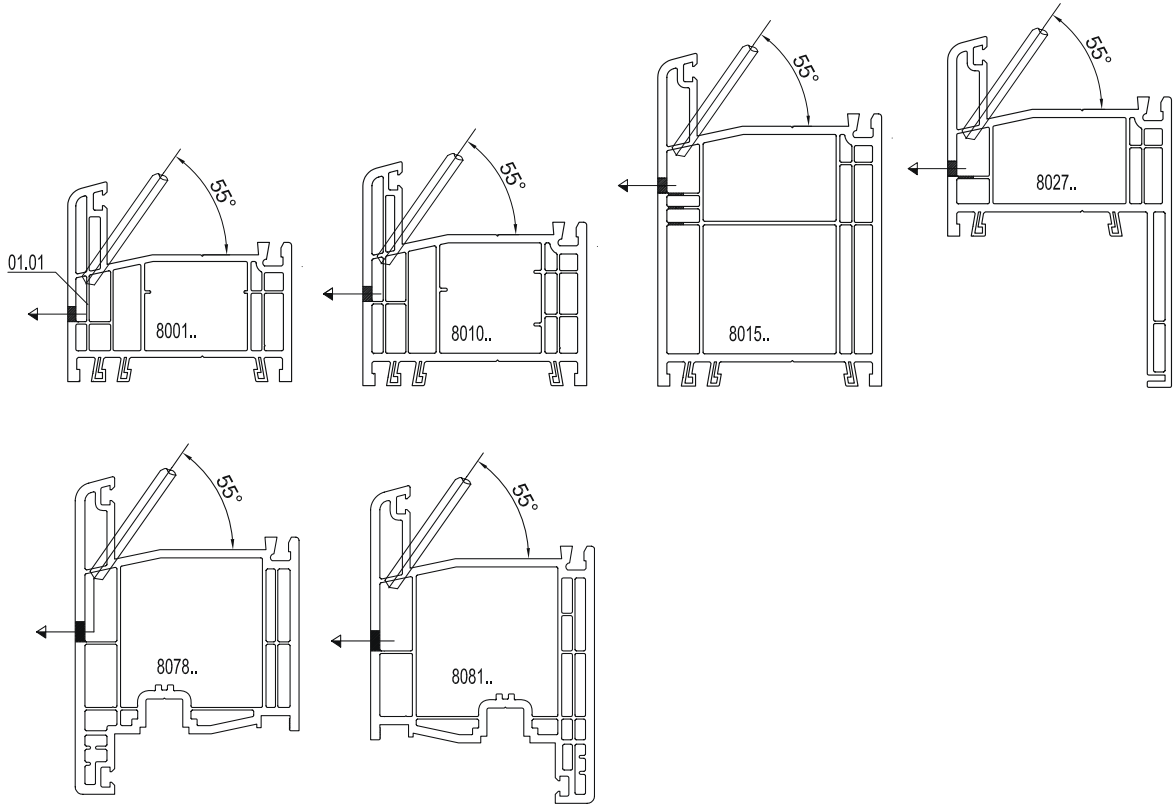


Profile	Glass / Glas / Vetro / Sticlă	Glazing bead / Glasleiste Fermavetro / Baghetă	Gasket / Dichtung Guarnizione / Garnitură
Frame 8001, 8010, 8015, 8030, 8027 Sash 8095, 8081, 8078, 8096, 8076, 8042 Mullion 8080, 8040	 24 mm	7124 	black or gray
Frame 8001, 8010, 8015, 8030, 8027 Sash 8095, 8081, 8078, 8096, 8076, 8042 Mullion 8080	 28 mm	7128 	black or gray
Frame 8001, 8010, 8015, 8030, 8027 Sash 8095, 8081, 8078, 8096, 8076, 8042 Mullion 8080	 38 mm	7138 	black or gray
Frame 8001, 8010, 8015, 8030, 8027 Sash 8095, 8081, 8078, 8096, 8076, 8042 Mullion 8080	 44 mm	7144 	black or gray

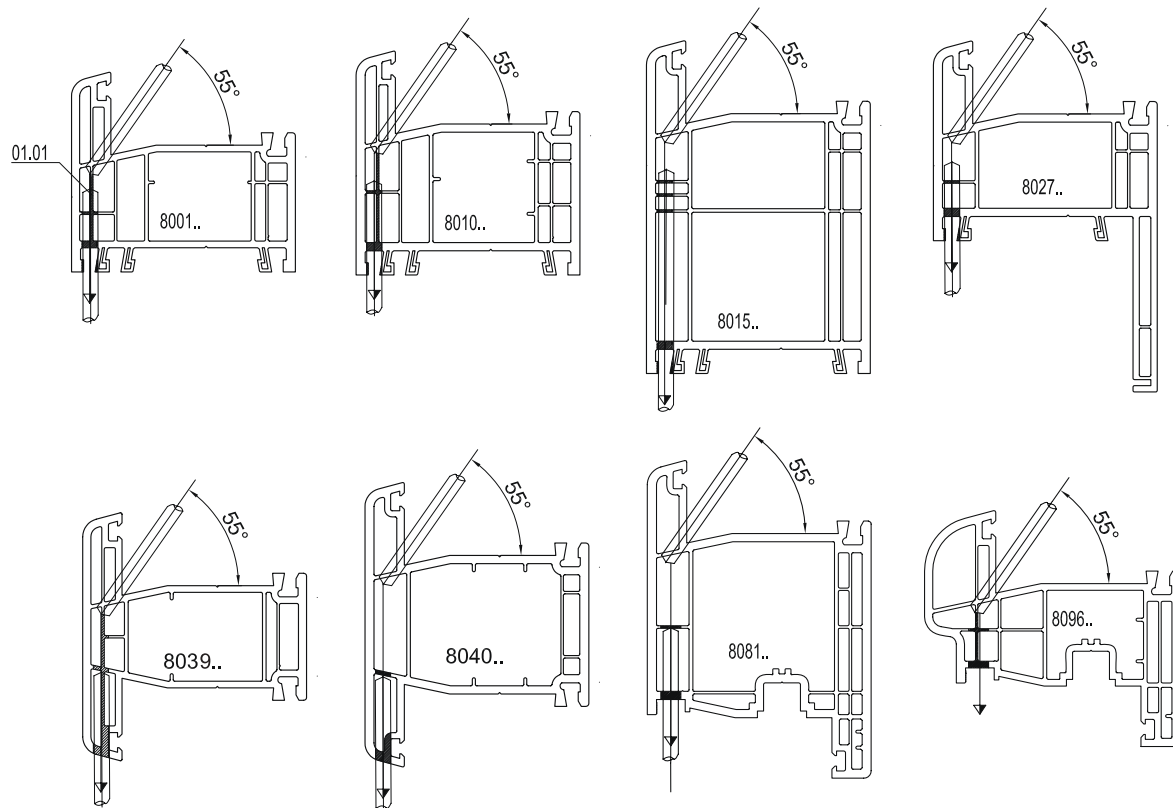


Drainage / Entwässerung / Drenaggio / Drenajul

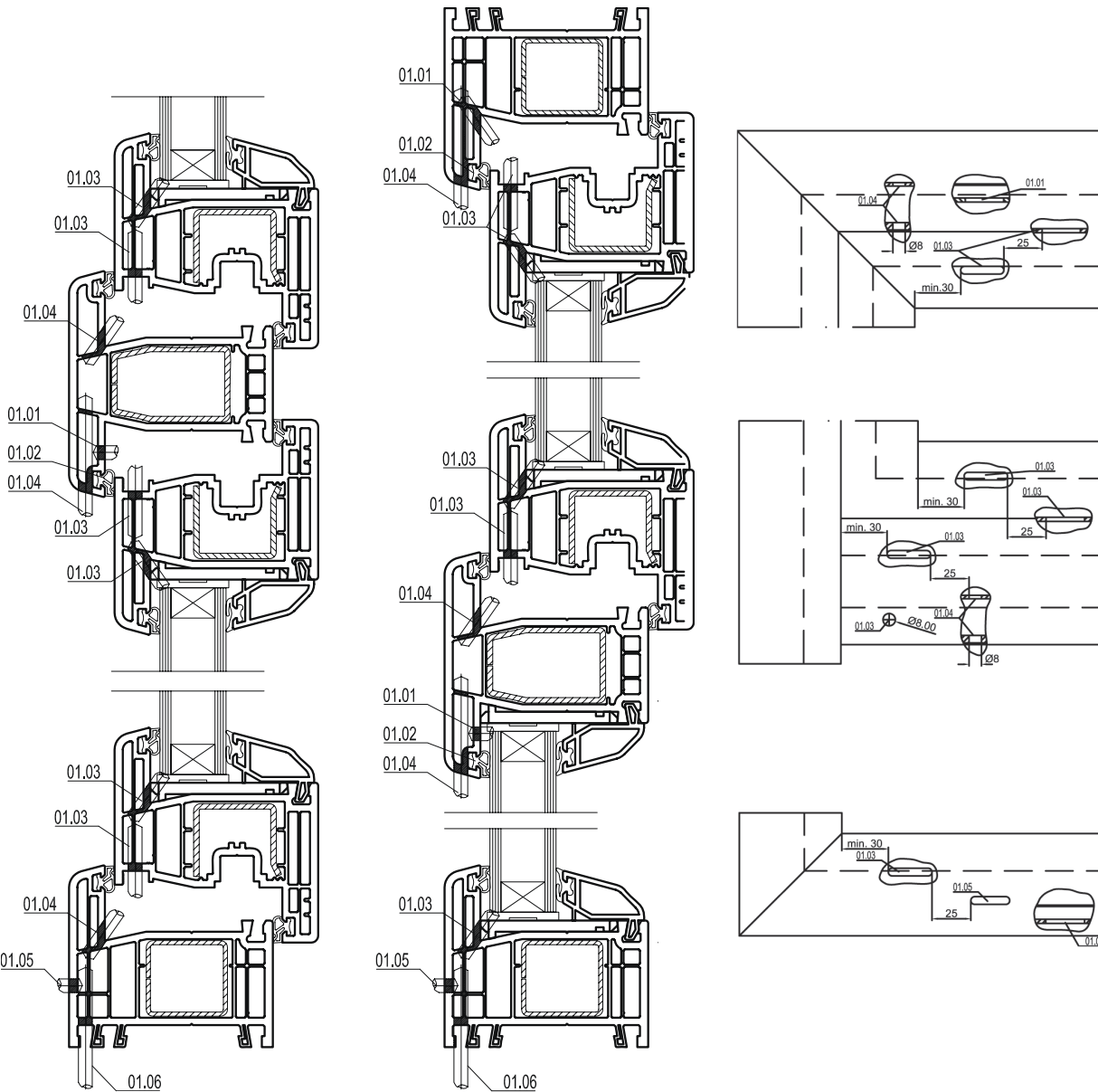
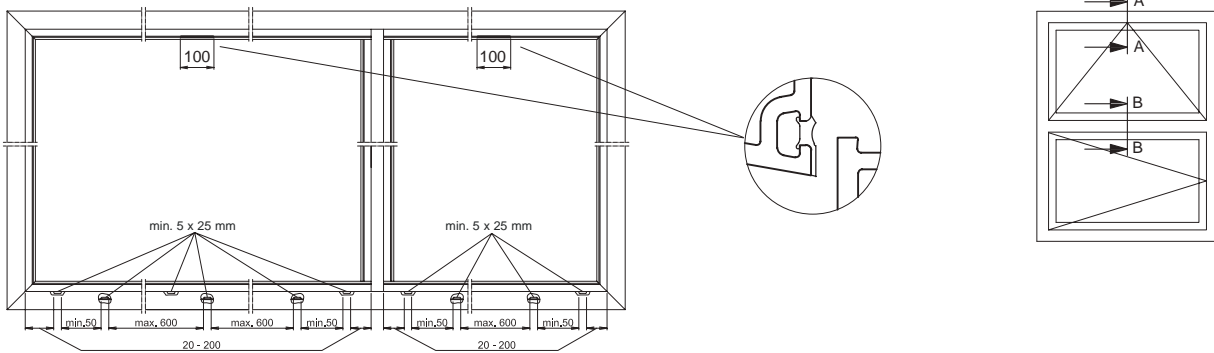
Front drainage / Entwässerung nach vorne / Drenaggio frontale / Drenaj frontal



Hidden drainage / Entwässerung nach unten / Drenaggio nascosto / Drenaj inferior



Ventilation / Entlüftung / Ventilazione / Ventilarea



* The antechamber must be ventilated if heat is to be prevented from accumulating in non-white profiles.

* Um einen Hitzestau zu vermeiden, belüften Sie bei nicht weißen rofilen die Vorkammern.

* Per evitare un ristagno di calore la precamera dei profili non bianchi deve essere ventilata

* Pentru a evita acumularea de caldura, precamerele profilelor non-albe trebuiesc ventilate.

Ventilation system / Lüftungssystem / Sistema di areazione / Sistem de ventilatie

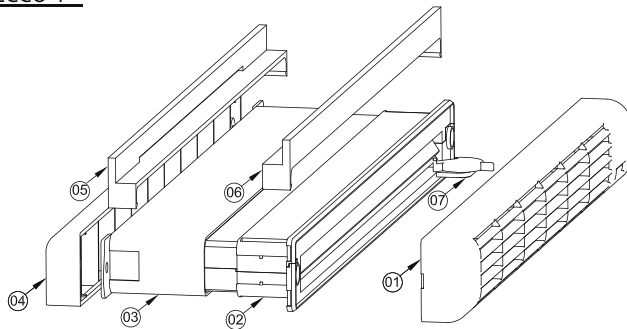
GECCO 4 is the latest GEALAN ventilation system option. It is suitable for all GEALAN window systems. GECCO 4 is equipped with pollen and dust filters, protection screen against insects as well as sound insulation and rain protection profiles. The air flux measures approximately 11 m³ per hour at a pressure difference of 10 Pascal and can go up to over 19 m³ per hour near the closing point (wich is at approximately 30 Pascal pressure difference). The device can also be manually-operated.

Im geöffneten Zustand schließt der GECCO 4 automatisch bei einer Druckdifferenz von ca. 30 Pa, so dass Zugscheinungen erst gar nicht auftreten können. Lässt der Winddruck nach, öffnet sich die Klappe von selbst und die Luftzirkulation findet wieder ungehindert statt. Bei Bedarf kann das Lüftungssystem aber auch manuell verschlossen werden. Auch der Luftdurchsatz des GECCO 4 kann sich sehen lassen. Er beträgt bei einer Druckdifferenz von 10 Pa ca. 11 m³ pro Stunde. Bis zum Schließpunkt von ca. 30 Pa steigt der Luftdurchsatz auf mehr als 19 m³ pro Stunde an.

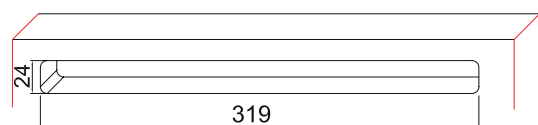
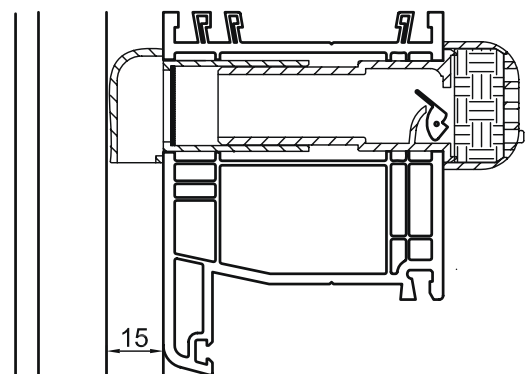
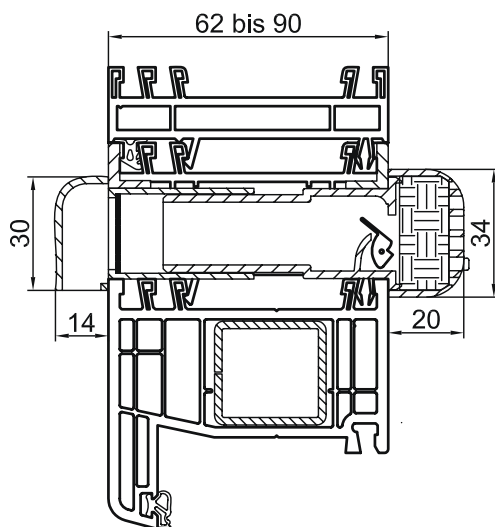
Grazie a GECCO 4, GEALAN è in grado di garantire un'aerazione autonoma dei locali decisamente maggiore rispetto alle altre versioni. Il montaggio avviene per mezzo degli allargatori del telaio o nel telaio fisso se dotato di profili più larghi. GECCO 4 è adatto per profondità costruttive tra 62 mm e 90 mm. Questa versione è sempre provvista di un apposito filtro antipollini. È notevole il flusso d'aria che è di cca. 11 m³ all'ora ad una differenza di pressione di 10 Pascal, e fino al punto di chiusura di cca. 30 Pascal ammonta a più di 19 m³ all'ora. Il dispositivo permette anche l'azionamento meccanico.

Principalul avantaj al dispozitivului GECCO 4 este reprezentat de utilizarea universala a acestuia, pentru toate sistemele de profile (atat din PVC, cat si din lemn) cu adancimi de constructie cuprinse intre 62 mm si 90 mm. Acesta ofera si avantaje suplimentare precum filtru de polen si de praf si protectie impotriva insectelor. In plus, GECCO 4 este prevazut si cu un accesoriu de protectie contra ploii. Remarcabil este fluxul de aer care insumeaza aproximativ 11 m³ pe ora la o diferenta de presiune de 10 Pascal, iar pana la punctul de inchidere de aproximativ 30 Pascal urca la peste 19 m³ pe ora. Dispozitivul permite si actionarea manuala.

GECCO 4



01=	Inside grid with a filter	05=	Front covering stripe
02=	Case	06=	Rear covering stripe
03=	Outside grid	07=	Switch
04=	Outside grid cover		



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STYLE 76

Profile system Trocal 76 MD with 6 chambers

Profilsystem Trocal 76 mit 6 Kammer
 Sistema di profili Trocal 76 con 6 camere
 Sistemul de profile cu 6 camere Trocal 76



Profile System Manufacturer
 Profine
 Troisdorf
 Deutschland



Heat transfer coefficient up to
 Wärmedurchgangskoeffizient bis
 Transmittanza termica fino a
 Transmitanta termica pana la $U_f = 1,0 \text{ W/(m}^2\text{K)}$



Resistance to wind load up to
 Widerstandsfähigkeit gegen Windlast bis
 Resistenza ai carichi di vento fino a
 Rezistentă la încărcarea din vant pana la Clasa C5/B5



Tightness against driving rain - unprotected (A) up to
 Schlagregendichtheit - Ungeschützt (A) bis
 Tenuta all'acqua metodo di prova A fino a
 Etanșeitatea la apă expunere directă pana la 9A



Air permeability up to
 Luftdurchlässigkeit bis
 Tenuta all'aria fino a
 Permeabilitatea aerului pana la Clasa 4



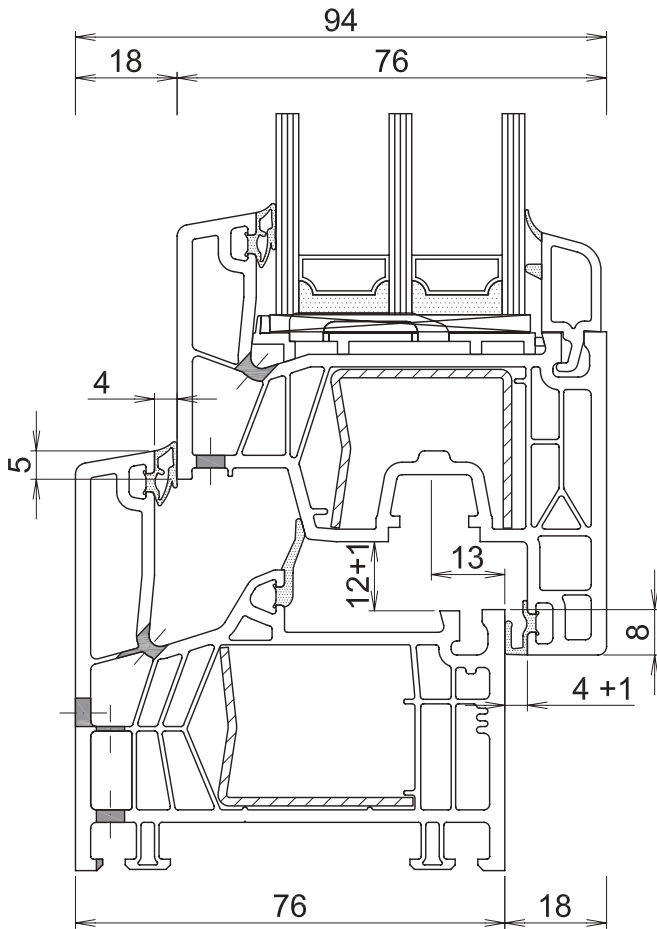
Sound insulation up to
 Schallschutz bis
 L'isolamento acustico fino a
 Izolarea acustică pana la 48 dB



Burglar-resistant up to
 Einbruchhemmung bis
 Resistenza antieffrazione fino a
 Rezistentă antifracție pana la RC 2 (WK 2)

HERCULES 70 BORA ROLLO FRONT ROLLO TOP GLASS GLASS BESCHLÄG HARDWARE PREMIDORE 88 PREMIDORE 76 KUBUS PASIV 82 STYLE 76 RONDO PERFORMER 74

System features / Systemmerkmale / Caratteristiche del sistema / Caracteristici Sistem



ENG

- Centre seal system with 76 mm installation depth, in a modern design.
- Weldable PCE or EPDM gasket in light grey or black.
- Intelligent chamber design for high thermal stability.
- Fast and effective ventilation either to the front or invisibly downwards.
- Wide range of extensions and ancillary profiles for simple and professional installations.
- 16–48 mm panes and panelling also possible.
- Simple and reliable installation safeguarded by support lobes and additional thicknesses in the screw channels.
- Additional sash rebate gasket for enhanced thermal insulation.
- Slender sight line with high thermal insulation.

GER

- Mitteldichtungssystem mit 76 mm Bautiefe, in modernem Design.
- Verschweißbare PCE oder EPDM Dichtung in lichtgrau oder schwarz.
- Hohe Thermostabilität durch intelligente Kammerkonstruktion.
- Schnelle und effektive Be- und Entlüftung - wahlweise nach vorn oder verdeckt nach unten.
- Einfach und fachgerechte Montage durch umfangreiches Zusatz- und Nebenprofilprogramm.
- Einsatz von Gläsern oder Füllung von 16 - 48 mm möglich.
- Stütznocken und Aufdickungen in den Schraubkanälen gewährleisten eine einfache und sichere Montage.
- Erhöhte Wärmedämmung durch zusätzliche Flügelfalzdichtung.
- Schmale Sichtsbreite bei hoher Wärmedämmung.

ITL

1. Sistema a 6 camere con tre guarnizioni e profondità di 76 mm. Design moderno con anta a gradino o sagomata.
2. Grazie al disegno intelligente delle camere viene raggiunto il valore ottimale di isolamento termico di $U_f = 1,0 \text{ W (m}^2\text{K)}$
3. Guarnizioni PCE saldabili o tradizionali guarnizioni EPDM in grigio o nero.
4. Ventilazione veloce ed efficace – a scelta verso la parte anteriore o verso il basso.
5. Fermavetro arretrato con guarnizione a labbro coestrusa, per un miglior aspetto estetico.
6. Miglior isolamento termico grazie ad un ampio spettro di montaggio vetri da 24 a 48 mm.
7. Montaggio sicuro grazie ad un perfetto adattamento tecnico costruttivo con davanzali interni ed esterni e profili di collegamento.
8. Scarsa manutenzione grazie al posizionamento della ferramenta nella zona dietro alla guarnizione termica centrale.

ROM

- Izolarea termică optimă. Datorită camerelor izolatoare special concepute în forma „V” se ajunge la coeficientul de transfer termic pe profil $U_f = 1,0 \text{ W/m}^2\text{K}$;
- Curățarea ușoară este datorată suprafeței lucioase a profilului PVC și a garniturilor integrate în profil din PCE sau EPDM în culorile gri sau negru;
- Protecția perfectă la intemperii se datorează garniturilor coextrudate. Etanșarea garniturii de mijloc este îmbunătățită prin suprapunerea de 4,5 mm pe cerevea;
- Aerisirea este controlată, acest deziderat fiind realizat printr-un concept nou cu grile de aerisire integrate în toc;
- Designul elegant cu muchii drepte permite și combinația cu diferite plăcări de aluminiu, precum și posibilitatea folosirii cercevelor rotunjite;
- Izolarea fonică sporită și datorită pachetului de geam de până la 48 mm, ajungându-se la valori de izolare fonică de 48 dB.

Color program / Dekorübersicht / Programma Colori / Program culori

Dekore Pellicola Folie	Color shades Farbbezeichnung Colore Denumire culoare	Laminated		Suport material Trägermaterial Colore Massa Material Bază	Renolit code Renolit Code Codice Renolit Cod Renolit	Gasket Dichtung Guarnizione Garnitura
		ext	int			
Wood grain / Holzdekore / Effetto Legno / Imitatie Lemn	Sheffield Oak Light	x	x	braun	F456-3081	gray
	Sheffield Oak Grey	x	x	braun	F436-3086	gray
	Eiche Natur	x	x	braun	9.03118076-116800	gray
	Bergkiefer	x	x	braun	9.3069041-116700	gray
	Oregon	x	x	braun	9.1192001-116700	gray
	Streifen-Douglasie	x	x	braun	9.3152009-116700	gray
	Winchester XA	x	x	braun	9.0049240-114800	gray
	Golden Oak	x	x	braun	9.2178001-116700	black
	Soft Cherry	x	x	braun	9.3214009-119500	gray
	Siena PR	x	x	braun	9.0049233-114800	gray
	Siena PN	x	x	braun	9.0049237-114800	black
	Nussbaum V	x	x	braun	9.2178007-116700	black
	Eiche Dunkel FL-F1	x	x	braun	9.2052089-116700	black
	Mooreiche ST-F	x	x	braun	9.3167004-116700	black
	Macore	x	x	braun	9.3162002-116700	black
	Sapeli	x	x	braun	9.2065021-116700	black
	Black Cherry	x	x	braun	9.3202001-116700	black
	Desert Oak	x	x	braun	2.0057.004-130300	black
Mountain Oak	x	x	braun	2.0057.006-130300	black	
Single Colors / Uni -Farben / Uni-colore / Culori Uni	Crystal White Ash	x	x	white	47 852-117900	gray
	Cremeweiss	x	x	white	02.20.11.000001-116700	gray
	Lichtgrau 7251	x	x	white	725105-116700	gray
	Grau 7155	x	x	white	715505-116700	gray
	Basaltgrau 7012	x	x	white	701205-116700	gray
	Anthrazitgrau	x	x	white	701605-116700	black
	Anthrazitgrau 7016 Glatt	x	x	white	701605-808300	black
	Dunkelrot 3081	x	x	white	308105-116700	black
	Winerot 3005	x	x	white	300505-116700	black
	Moosgrun 6005	x	x	white	600505-116700	black
	Dunkelgrun 6125	x	x	white	612505-116700	black
	Schwarzbraun 8518	x	x	white	851805-116700	black
	Metbrush Aluminium	x	x	white	F436-1001	gray
	Metbrush Messing	x	x	white	F436-1007	gray

Nachweis
Wärmedurchgangskoeffizient

Prüfbericht
Nr. 13-001890-PR13
(PB-K20-06-da-01)



Auftraggeber: **profine GmbH**
International Profile Group
Mülheimer Straße 26
53840 Troisdorf
Deutschland

Grundlagen: EN 14351-1:2000+A1:2010
EN 12412-2:2003-07
(unter Berücksichtigung nationaler Passagen
z.B. DIN 24)

Produkt: **Kunststoffprofil, Profilkombination: Flügelrahmen –
Blendrahmen**

Bezeichnung: **KBE 76**
KÖMMERLING 76
TROCAL 76

Leistungselemente
Produktdetails: Material **Kunststoff – PVC hart**, Ansichtsbreite B in mm **116**;
Blendrahmen; Profilquerschnitt, Breite in mm **74**; Profilquerschnitt, Dicke in mm **76**; **Aussteifung**; Material **Metall - Stahl verzinkt**; **Flügelrahmen**; Profilquerschnitt, Breite in mm **78**;
Profilquerschnitt, Dicke in mm **76**; **Aussteifung**; Material **Metall - Stahl verzinkt**; **Ersatzpaneel**; Dicke in mm **48**; Einstand in mm **18**

Besonderheiten: **-**

Darstellung



Verwendungshinweise

Die ermittelten Ergebnisse können vom Hersteller als Grundlage für den herstellereigenen zusammenfassenden ITT-Bericht verwendet werden. Die Festlegungen der geltenden Produktnorm sind zu beachten.

Gültigkeit

Die genannten Daten und Ergebnisse beziehen sich ausschließlich auf den geprüften beschriebenen Probekörper. Diese Prüfungsbewertung ermöglicht keine Aussage über weitere leistungs- / qualitätsbestimmende Eigenschaften des Produkts; insbesondere Witterungs- und Alterungseinflüsse wurden nicht berücksichtigt.

Veröffentlichungshinweise

Es gilt das "Werkblatt zur Benutzung von IFT-Prüfdocumentationen". Das Deckblatt kann als Kurzfassung verwendet werden.

Inhalt

Der Nachweis umfasst insgesamt 6 Seiten und Anlage (1 Blatt).

Ergebnis

Wärmedurchgangskoeffizient



$U_f = 1,0 \text{ W/(m}^2\text{K)}$

ift Rosenheim
28.08.2013

Konrad Huber, Dipl.-Ing. (FH)
Glv. Prüfstellenleiter
Bauphysik

Sebastian Unterholzner, Dipl.-Ing. (FH)
Prüfingenieur
Wärme & Klima

IFT-116/06 | 01.10.2013

ift
IFT Rosenheim GmbH
Direktionsbüro
Dr. Johannes Pöschl
Prof. Ulrich Seebald
Dr. Martin H. Schöner

Theodor-Geist-Str. 7 - 8
D-83020 Rosenheim
Tel: +49 (0)9301 001 0
Fax: +49 (0)9301 001 290
www.rosenheim.de

Str. 60 510 Rosenheim
AG Traunkirchen, HRB 14763
Bayerische Staatsbank
IBAN: 5002
BLZ 711 500 00

Heftel-Beck-Str. 5/27
D-83020 Rosenheim
Tel: +49 (0)9301 001 0
Fax: +49 (0)9301 001 290

DAKAS
Technische
Zertifizierungen
DIN EN ISO 9001
DIN EN ISO 14001

Nachweis
Wärmedurchgangskoeffizient

Prüfbericht
Nr. 13-001890-PR01
(PB-K20-06-de-01)



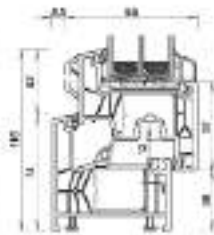
Auftraggeber
profine GmbH
International Profile Group
Mülheimer Straße 26
53840 Troisdorf
Deutschland

Grundlagen
EN 14351-1:2008+A1:2010
EN 12412-2:2003-07
1) und entsprechende nationale Fassungen
(z.B. DIN EN)

Produkt
Kunststoffprofil, Profilkombination: Flügelrahmen –
Blendrahmen

Bezeichnung
KBE 76
KÖMMERLING 70
TROCAL 76

Darstellung



Lebungsrelevante Produktdetails
Material **Kunststoff – PVC hart**; Ansbreite **9** in mm **116**;
Blendrahmen; Profilschnitt, Breite in mm **74**; Profilschnitt, Dicke in mm **76**; **Aussteifung**; Material **Metall – Stahl verzinkt**; **Flügelrahmen**; Profilschnitt, Breite in mm **78**; Profilschnitt, Dicke in mm **76**; **Aussteifung**; Material **Metall – Stahl verzinkt**; **Ersatzpaneel**; Dicke in mm **48**; Einstand in mm **18**.

Verwendungshinweise

Die ermittelten Ergebnisse können vom Hersteller als Grundlage für den herstellereigene zusammenfassenden ITT-Bericht verwendet werden. Die Festlegungen der geltenden Produktnorm sind zu beachten.

Besondereheiten --

Ergebnis

Wärmedurchgangskoeffizient



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

Gültigkeit

Die genannten Daten und Einzelergebnisse beziehen sich ausschließlich auf den genannten beschriebenen Probekörper. Diese Prüfung/Bewertung ermöglicht keine Aussage über andere leistungs- / qualitätsbestimmende Eigenschaften des Produkts; insbesondere Witterungs- und Alterungseffekte wurden nicht berücksichtigt.

Veröffentlichungshinweise

Es gilt das "Merktblatt zur Benutzung von IFT-Prüfokumenten". Das Merkblatt kann als Kurzfassung verwendet werden.

Inhalt

Der Nachweis umfasst insgesamt 8 Seiten und Anlage (1 Seite).

ift Rosenheim
14.08.2013

Konrad Huber, Dipl.-Ing. (FH)
Stv. Prüfstellenleiter
Bauphysik

Sebastian Unterholzner, Dipl.-Ing. (FH)
Prüfingenieur
Wärme & Klima

Ve-190.1199-06 (01.10.2012)



IFT Rosenheim GmbH
Gesellschaft für
Dr. Jochen Pfeifer
Prof. Ulrich Simoneth
Dr. Martin H. Spitzner

Theodor-Sträßl-Str. 1-4
D-83026 Rosenheim
Tel. +49 (0)89 21 00 0
Fax +49 (0)89 21 00 300
www.ift-rosenheim.de

Str. 10026 Rosenheim
AG Traunstein, HRB 14703
Starboge Rosenheim
430, 9407
0822 711 500 00

Notified Body No. 0072
Certificate No. 0001-14-0114
DIN EN ISO 9001
DIN EN ISO 14001
DIN EN ISO 17025



HERCULES 70 BORA ROLLO FRONT ROLLO TOP GLASS GLASS HARDWARE BESCHLÄG PREMILINE PREMIDOOOR 88 PREMIDOOOR 76 KUBUS PASIV 82 STYLE 76 RONDO PERFORMER 74

Nachweis

Widerstandsfähigkeit bei Windlast, Schlagregendichtheit, Luftdurchlässigkeit, Bedienkräfte, Mechanische Beanspruchung, Dauerfunktion, Stoßfestigkeit, Tragfähigkeit von Sicherheitsvorrichtungen

Gutachtliche Stellungnahme

Nr. 12-002529-PR65
(GAS-A01-020310-de-02)



Auftraggeber: **profine GmbH International Profile Group**
Zweibrücker Straße 200
66854 Firmasens
Deutschland

Beurteilt: Fenster und Fenstertüren mit den Öffnungsarten:
Dreh, Drehkipp, Fest und zweiflügelig mit
offenbarem Mittelstück, Parallel-Schiebekipp

Systembezeichnung: **KBE 76 / Kömmerling 76 / TROCAL 76**

Rahmenmaterial: **PVC-U/weiß**

Mitteldichtung / Aluminium Deckschalen AuClip / tragende Vorsatzschale
AuClip Pro / Vorsatzflügel AddOn / Vorsatzflügel mit Aluminium Deckschalen
AuClip AddOn / Bodenschwelle

Probekörpertyp	1	2	3	4	5
Darstellung					
Eigenschaft	Klassifizierung				
Widerstandsfähigkeit bei Windlast	bis C5 / B5	C5 / B5	C1 / B2	bis C3 / B5	C2 / B2
Schlagregendichtheit	9A	9A	9A	9A	9A
Luftdurchlässigkeit	4	4	4	4	4
Bedienkräfte	1	1	1	1	1
Mechanische Beanspruchung	4	4	4	4	4
Dauerfunktion	2	2	2	2	2
Differenzmaßhalten	keine Beeinträchtigung der Funktion				
Stoßfestigkeit	2 Die Stoßfestigkeit wurde an einem Probekörper durchgeführt mit den Flügelmaßen 1000 mm x 1000 mm				
Tragfähigkeit von Sicherheitsvorrichtungen	Anforderung erfüllt				
Eignung von Kunststofffensterprofilen nach FE 13/1: 2011-04				Anforderung erfüllt	
Laibungs- und Falzrandmaß nach RAL-RG 607/3: 1995-02 Güte- und Prüfbestimmungen für Rahmenschnecken und Flügelschnecken				Anforderung erfüllt	

Grundlagen

EN 14351-1 : 2006-03+A1:2010, Fenster und Außentüren – Produktnorm
RAL-RG 607/3 : 1995-02
FE-Richtlinie FE-13/1 : 2011-04
Prüfnormen:
EN 1026 : 2000-06
EN 1027 : 2000-06
EN 12211 : 2000-06
EN 12048-1 : 2003-11
EN 14605 : 2004-03
EN 14609 : 2004-03
EN 1191 : 2000-02
EN 13049 : 2003-04
EN 13420 : 2011-04
GS Nr. 12-002529-PR65 (GAS-A01-020310-de-01) vom 12.03.2014

Verwendungshinweise

Diese Gutachtliche Stellungnahme dient zum Nachweis der nebenstehenden Eigenschaften für Fenster.

Diese Gutachtliche Stellungnahme umfasst nicht alle in der Produktnorm aufgeführten Leistungseigenschaften.

Gültigkeit

Die genannten Daten und Einzelergebnisse beziehen sich ausschließlich auf den geprüften/ beschriebenen Probekörper. Die Klassifizierung gilt so lange das Produkt unverändert ist und die o.g. Grundlagen sich nicht geändert haben. Das Ergebnis kann unter Beachtung entsprechender Festlegungen der Produktnorm in Eigenverantwortung des Herstellers übertragen werden. Diese Prüfung/Bewertung ermöglicht keine Aussage über weitere leistungs- und qualitätsbestimmende Eigenschaften der vorliegenden Konstruktion, insbesondere Witterungs- und Nutzungseinflüsse wurden nicht berücksichtigt.

Veröffentlichungshinweise

Es gilt das Blatt "Werbung mit Ift-Prüfdokumentation". Das Deckblatt kann als Kurzfassung verwendet werden.

Inhalt

Die Gutachtliche Stellungnahme umfasst insgesamt 13 Seiten.

- 1 Auftrag
- 2 Grundlage
- 3 Beurteilung
- 4 Ergebnis und Aussage

ift Rosenheim
29.09.2014

Robert Kolaczny, Dipl.-Ing. (FH)
Stv. Prüfstellenleiter
Bauteile

Ralf Schmitzler, Dipl.-Ing. (FH)
Produktingenieur
Bauteile

Ift Rosenheim GmbH
Geschäftsführer:
Dr. Jochen Pauly
Prof. Ulrich Saberski

Tropfen-Orbit-Str. 7 - 9
D-86229 Rosenheim
Tel.: +49 (0)82312051-0
Fax: +49 (0)82312051-290
www.ift-rosenheim.de

Stg. 20005 Rosenheim
All. Industriest. H 14/103
Geplante Rosenheim
(BAW) DE39714 200030000000000
SWF 1450: 014ADEMTH05

Produktions-Orbit
Produktions-Orbit
Produktions-Orbit



Verleihungsurkunde Gütezeichen RAL-GZ 716



Die Gütegemeinschaft Kunststoff-Fensterprofilssysteme e.V. verleiht nach Erfüllung der Güte- und Prüfbestimmungen RAL-GZ 716, Teil 1 der Firma

profine GmbH International Profile Group

Mülheimer Str. 26, 53840 Troisdorf

für das Profilsystem

KBE 76 / Kömmerling 76 / TROCAL 76

das von RAL Deutsches Institut für Gütesicherung und Kennzeichnung e.V. anerkannte und durch Eintragung beim Deutschen Patent- und Markenamt als Kollektivmarke geschützte

**RAL-Gütezeichen für
Kunststoff-Fensterprofilssysteme**



Dieser Gütezeichenerteilung liegen eine Systembeschreibung, sowie Prüfnachweise von Probekörpern zugrunde. Eine Zusammenfassung der Nachweise findet sich im „RAL-Systempass“, der dadurch eine Kurzbeschreibung des Profilsystems darstellt. Die Aktualität von Systembeschreibung und Systemprüfungen wird über eine regelmäßige Güteüberwachung durch eine neutrale Prüfstelle kontrolliert.

erstmalige Erteilung
27.03.2014

ausgestellt am
27.03.2014


Gerald Feigenbutz
Geschäftsführer

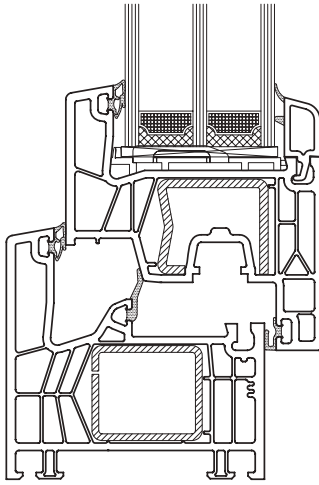

Peter Czajkowski
Öberrichter des Güteausschusses



Die Gültigkeit dieser Verleihungsurkunde kann auf www.gkta.de verifiziert werden.

HERCULES 70 BORA ROLLO FRONT ROLLO TOP GLASS GLASS BESCHLÄG HARDWARE PREMIDORE 88 PREMIDORE 76 KUBUS PASIV 82 STYLE 76 RONDO PERFORMER 74

Sound insulation test reports / Übersicht Schallprüfzeugnisse / Certificati d'isolamento acustico /
 Certificate izolare fonica

Element description Elementbeschreibung Descrizione elemento Descriere element	Pane structure (mm) Scheibenaufbau (mm) Struttura vetro (mm) Structura geam (mm)	Obtained values Rw.P=dB Erreichte Werte Rw.P=dB Valori raggiunti Rw.P=dB Valori obtinute Rw.P=dB
	4-16-4	33
	4-12-4-12-4	33
	6-16-4	37
	8-16-4	38
	6-16-4-14-4	39
	8 VSG SI-16-8	45
	8 VSG SI-16-8 VSG SI	47
	12 VSG SI-20-8 VSG SI	47
	14 VSG SI-24-10 VSG SI	47
	12 VSG SI-12-6-12-8 VSG SI	48
	4-18-4-18-4	34
	6-16-4-18-4	40
	10-14-6-12-6	42
	10/16-4	39
	8 VSG SI-16-10	45
	12 VSG SI-16-8 VSG SI	46
	6-12-4-12-4	39
	8-12-4-12-4	40
	10-12-4-12-6	42
	8 VSG SI-12-6-12-8 VSG SI	46
10-14-4-14-6	42	
8 VSG SI-14-4-14-6	44	

Symbol Legend / Symbol Legende / Legenda Simboli / Legenda simboluri



Window / Fenster /
Finestra / Fereastră



Window with moulion /
Finster mit Pfosten /
Finestra con montante /
Fereastră cu montant



Terrace door / Balkontüre
Porta balcone / Usa balcon



Door with sash rail /
Tür mit Flügelsprosse /
Porta con traversa /
Usa cu traversa



Residential Door / Haustüre
Portoncino / Usa intrare



Outswing door
Außenöffnende Türen
Porta con apertura verso l'esterno
Usa cu deschidere exterioara



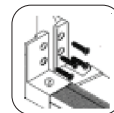
Renovation profile /
Renovierungs-Blendrahmen /
Telaio ristrutturazione / Toc de
renovare



Threshold /
Haustürschwelle /
Sotto soglia /
Prag aluminiu



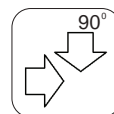
Window handle / Fenstergriff
Maniglia finestra / Maner fereastră



Threshold SLM /
Haustürschwelle LFM /
Soglia in luce telaio /
Prag montat in flat



Double side door handle /
Fenstergriffe mit Arretierung
Maniglia passante / Maner dublu



Coupling profiles 90 /
Kopplungsprofile 90 /
Profili di accoppiamento 90 /
Profile de cuplare 90



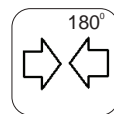
Door Handle / Drückergarnitur /
Maniglione / Maner usa



Variable bay pole /
Variable Eckkopplung /
Giunto angolare variabile /
Profile de cuplare unghi variabil



Flag door hinge / Haustürband /
Cerniera a bandiera / Balama usa



H coupler /
H Schieber /
Profilo di accoppiamento /
Profil cuplare



Door hinge RB / Haustürband RB /
Cerniera tubolare /
Balama tubulara usa



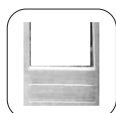
Outer frame extension /
Blendrahmen Verbreiterung /
Allargatore Telaio /
Profile extensie toc



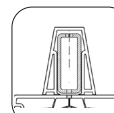
Double hung window /
Stulpfenster / *Finestra a due ante /*
Fereastră in doua canate



Bank connection profile /
Sohlbankprofile /
Profilo di appoggio inferiore /
Profile suprainaltare pervaz



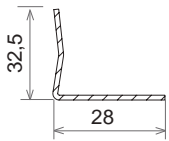
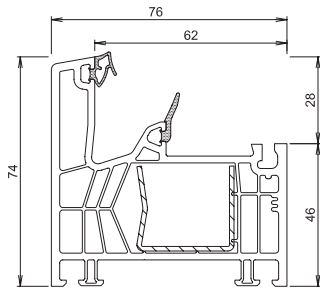
Extention profile /
Höhenausgleichsprofil /
Zoccolo porta / Bandou usa



Reinforcing plant-on profile /
Statik-Aufsatz /
Rinforzo /
Ranforsare aplicată

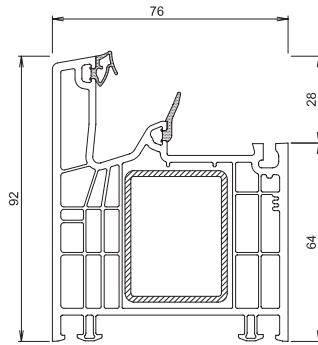
Frame profiles / Rahmenprofile / Profili Telaio / Profile Toc

Profile: 76171
Steel V303
32,5x28x35 - 1,5 mm

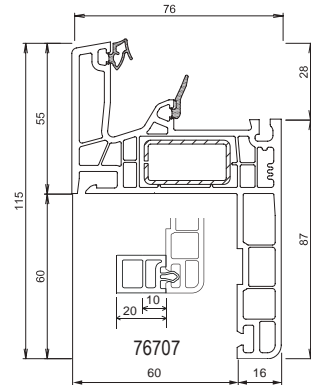
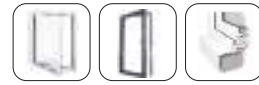


Alternative Steel V300
32,5x28 - 1,5 mm

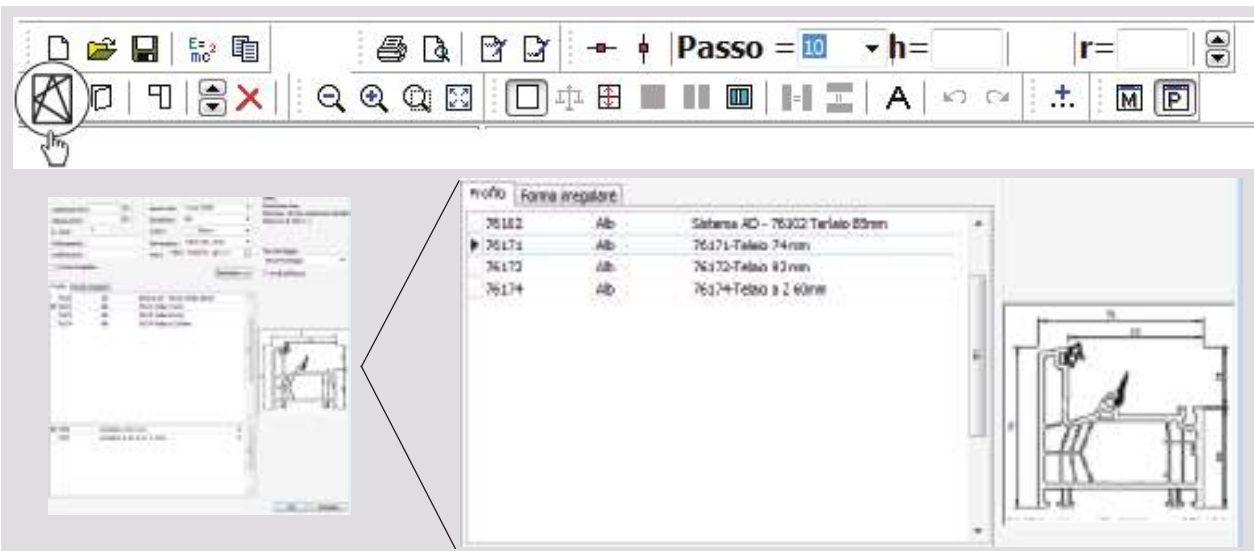
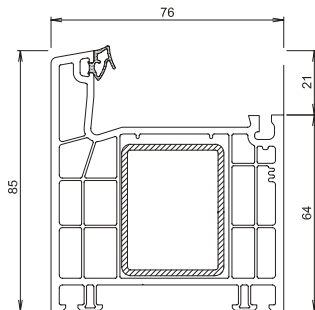
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Steel V314
45x35 - 2 mm



Profile: 76181
Steel V299
33x17 - 1.5 mm

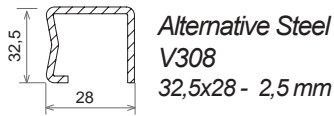
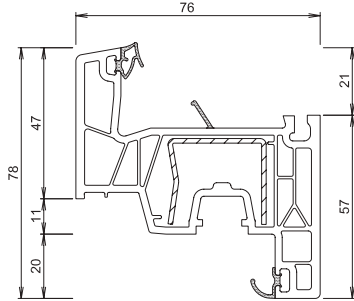


Profile: 76102
Steel V314
45x35 - 2 mm

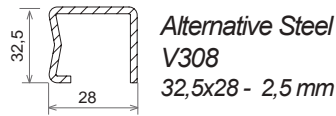
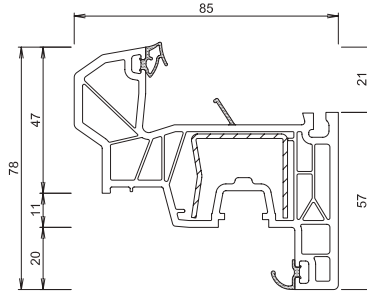


Sash profiles / Flügelprofile / Profili Anta / Profile Cercevea

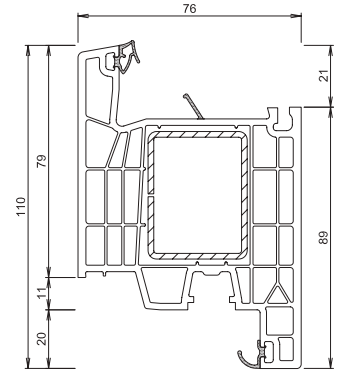
Profile: 76271
Steel V303
32,5x28 - 1,5 mm



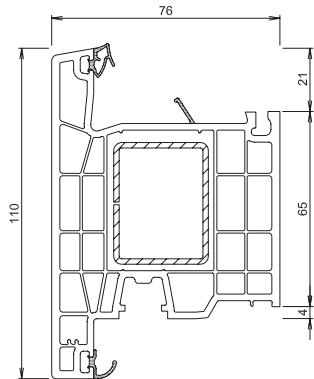
Profile: 76273
Steel V303
32,5x28 - 1,5 mm



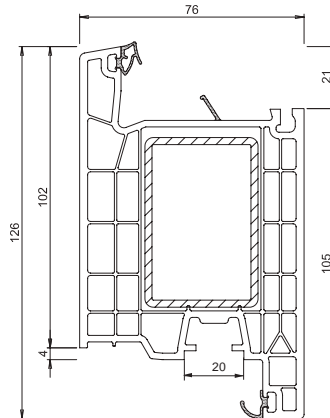
Profile: 76272
Steel V314
45x35 - 2 mm



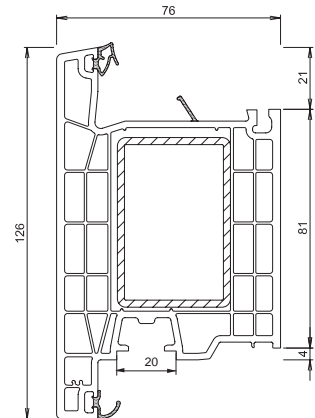
Profile: 76205
Steel V314
45x35 - 2 mm



Profile: 76206
Steel V260
40x60 - 2.5 mm



Profile: 76207
Steel V260
40x60 - 2.5 mm



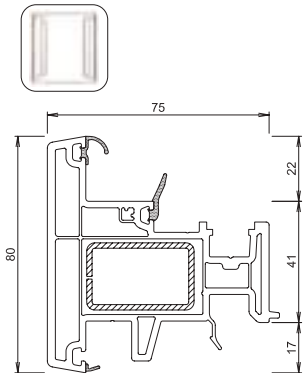
Passo = 10 h = 0 (500) r =

76204	AB	76272-Anta porta 110mm
76206	AB	Sistema AD - 76205-Anta Porta 135mm
76271	AB	76271-Anta D Psearta 76mm
76273	AB	76273-Anta porta 110mm
76272	AB	9096-Anta R. finestra 76mm

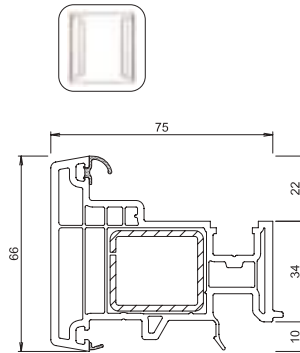
Colore
 Bianco
 Stipato lato inferiore

Sash rails & Floating mullion profiles / Pfosten & Stulpprofile / Profili per traverso & Profili per battuta centrale / Profile montant si Profile Stulp

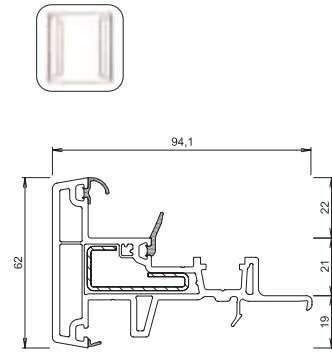
Profile: 76472
Steel V317
40x25 - 2 mm



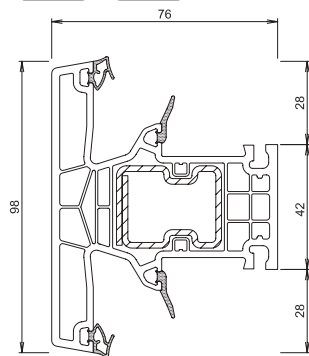
Profile: 76402
Steel V310
30x28 - 2 mm



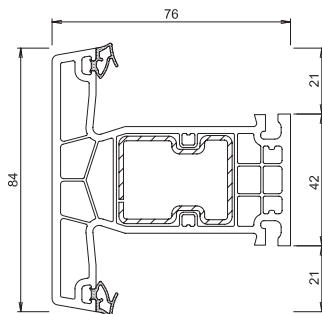
Profile: 76471
Steel V316
30x20 - 1,5 mm



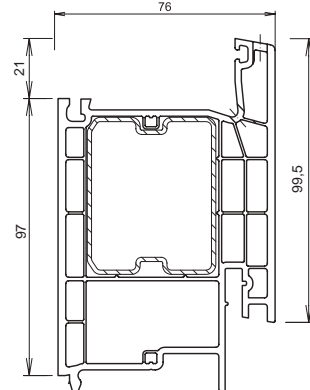
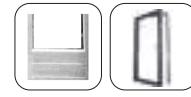
Profile: 76371
Steel V321
27x29 - 2 mm



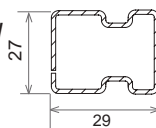
Profile: 76301
Steel V320
27x29 - 1,5 mm



Profile: 76299
Steel V323
44x54 - 1.5 mm



Alternative Steel V320
27x29 - 1,5 mm



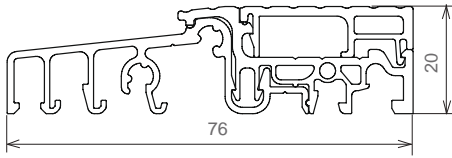
The screenshot shows a CAD software interface. At the top, there is a toolbar with various icons for file operations, editing, and viewing. Below the toolbar, there is a list of profiles with columns for 'Design', 'Ab', and 'Particolari ->'. The list contains the following entries:

Design	Ab	Particolari ->
76371	Ab	76371-Profilo montante 98mm
76402	Ab	Sistema AD 76402-Profilo di riparto 66mm
76472	Ab	76472-Profilo di riparto 80mm

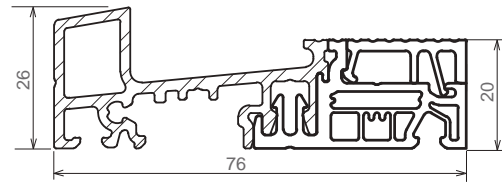
Below the list, there is a technical drawing of a profile, and a 'Colore' dropdown menu set to 'Bianco'.

Threshold & Weather bar / Schwelle & Wetter Schenkel / Soglia & Profilo Gocciolatoio /
Praguri & Lacrimare

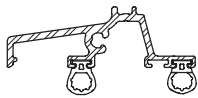
Profile: 6861501



Profile: A075



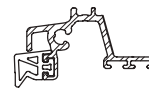
Profile: A062



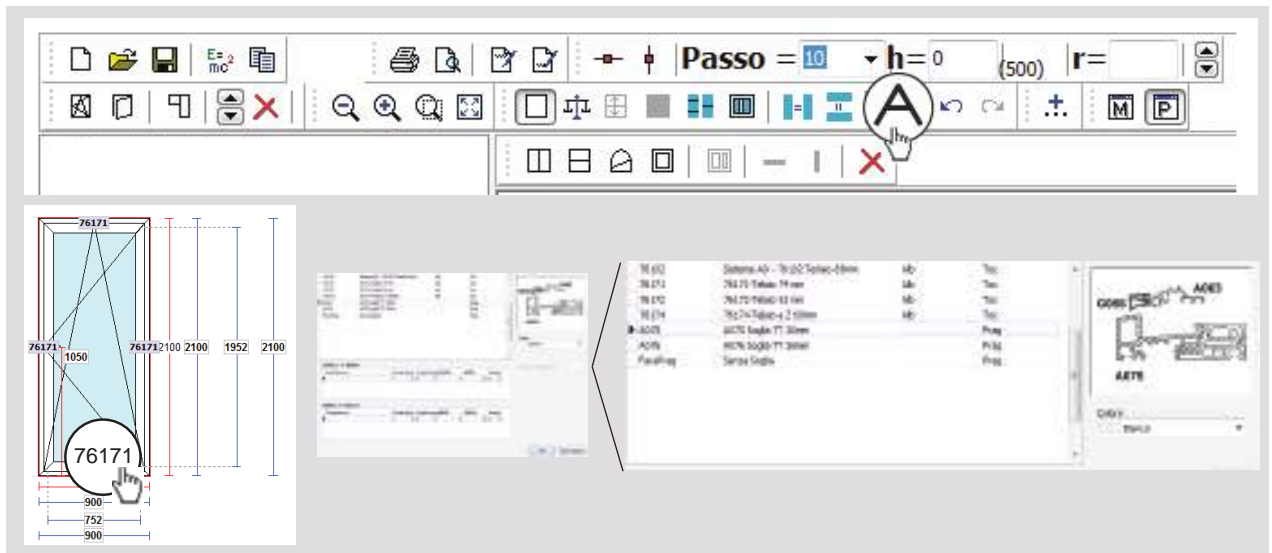
Profile: A061



Profile: A064



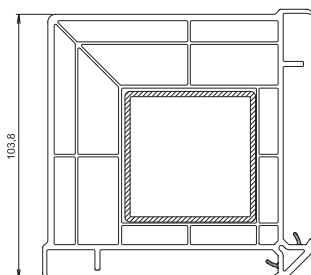
Profile: A063



Coupling Profiles / Kopplungsprofile / Profili di accoppiamento / Profile cuplare

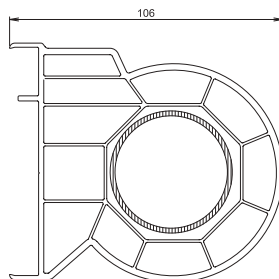
Profile: 8355

Steel 940808
50x50 - 2 mm

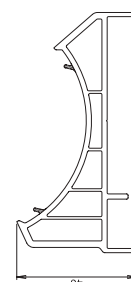


Profile: 8340

Steel 640
Ø 50 - 2 mm



Profile: 8341

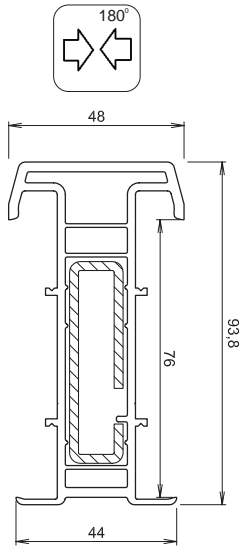


Profile: 76821

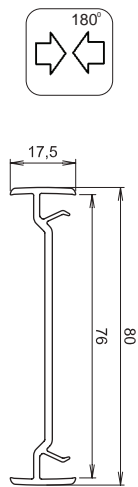


Profile: 76605

Steel V331
11x55 - 2.5 mm

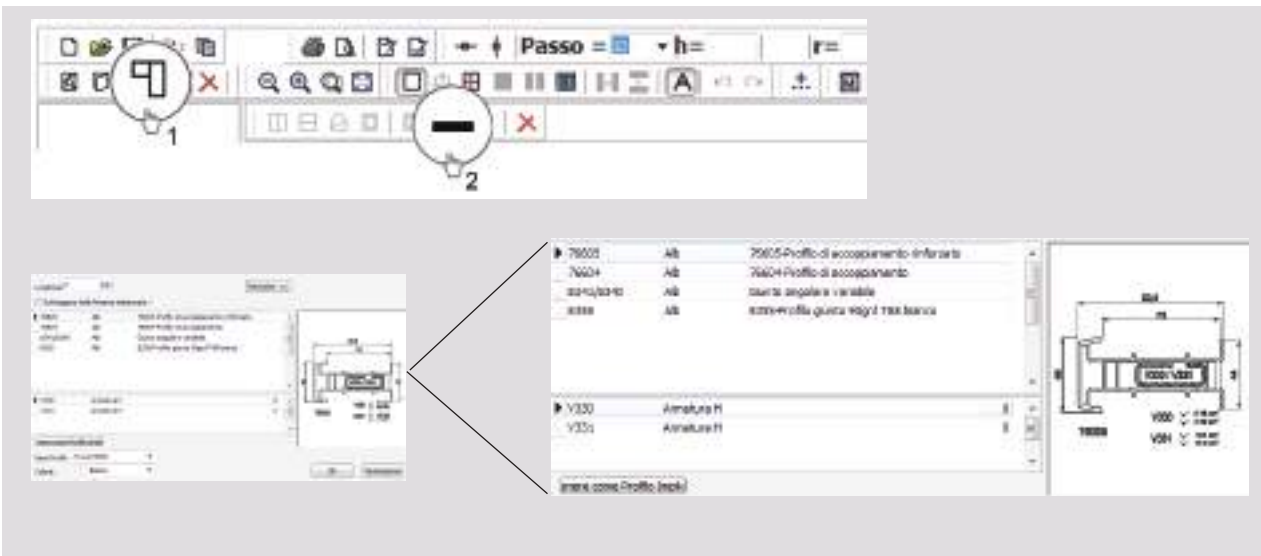
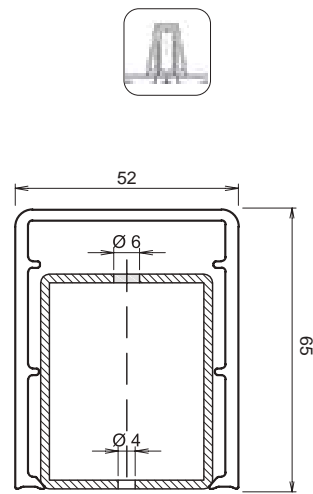


Profile: 76604



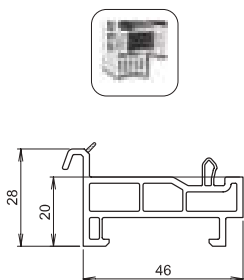
Profile: 93002

Steel V260
40x50 - 2 mm

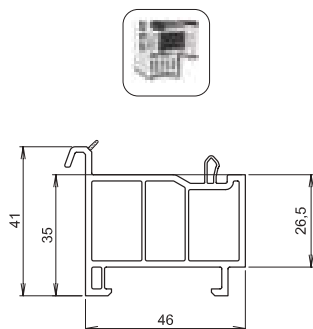


Bank connection profile / Bankanschluss profile / Profili di appoggio inferiore / Profile suprainaltare

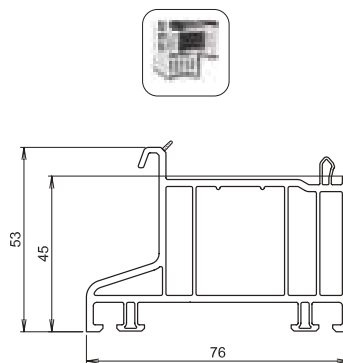
Profile: 76754



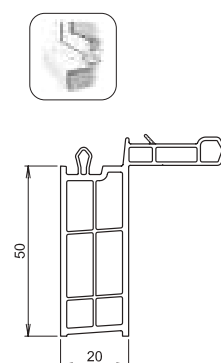
Profile: 76753



Profile: 76704

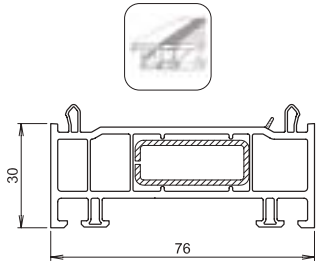


Profile: 76752

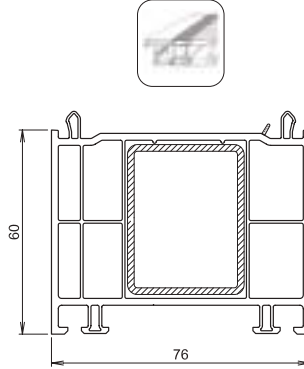


Extension profile / Verbreiterung profile / Allargatori / Extensii toc

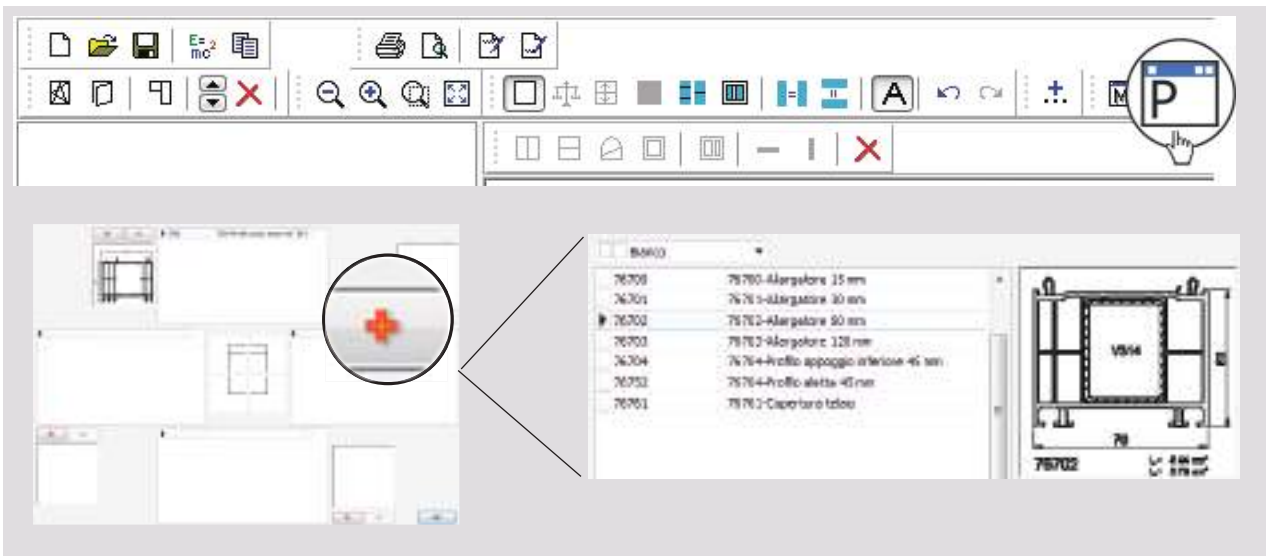
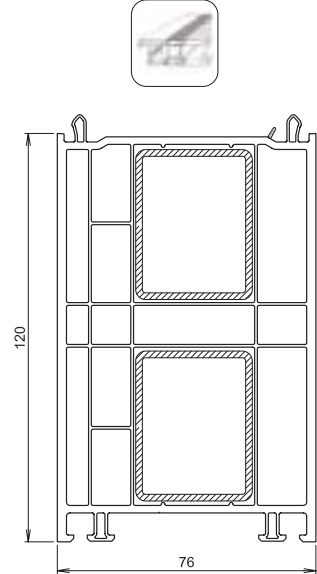
Profile: 76701
Steel V312
32x18 - 1.5 mm



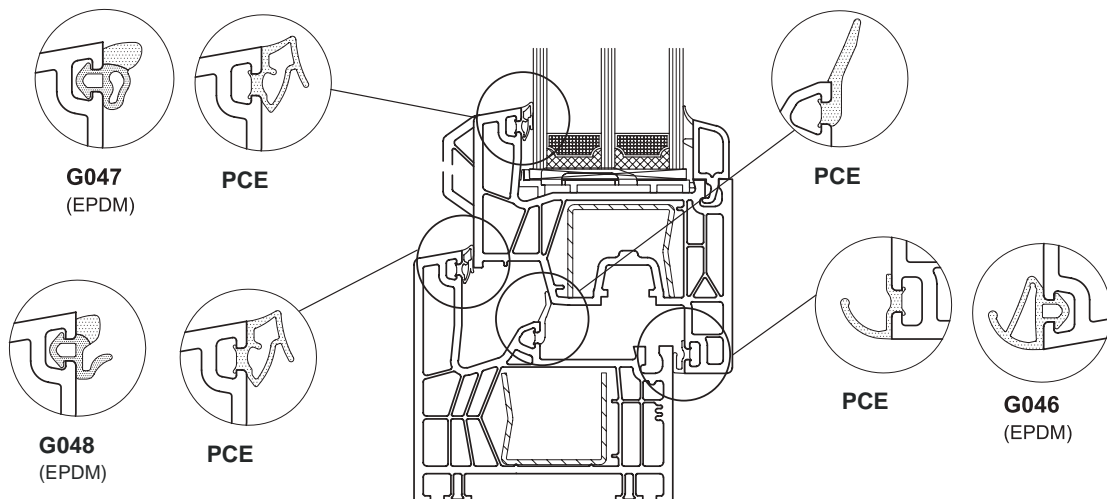
Profile: 76702
Steel V314
35x45 - 2 mm



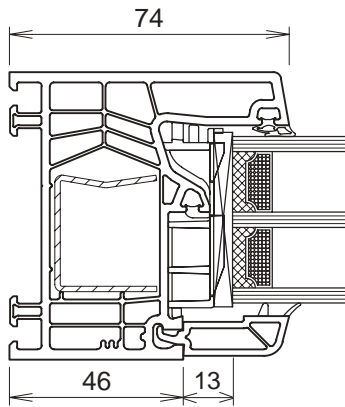
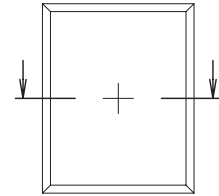
Profile: 76703
Steel V314
35x45 - 2 mm



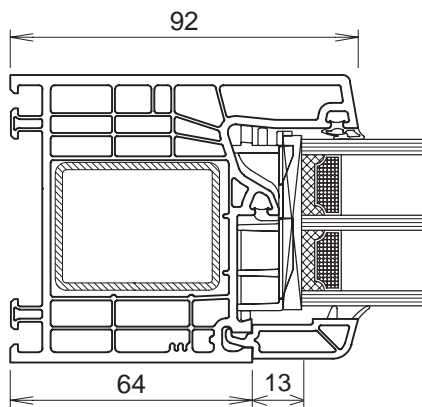
Gasket / Dichtung / Guarnizione / Garnitură



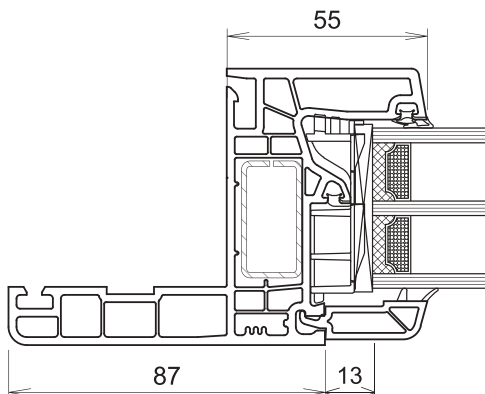
Fixed light / Festfeld / Fisso / Fix



Frame	76171	
Steel	V303	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
	32,5x28	
	or	
	t=2 mm	
Steel	V300	$I_x=0,7 \text{ cm}^4$ $I_y=1,0 \text{ cm}^4$
	32,5x28	
	t=1,5 mm	

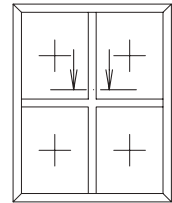
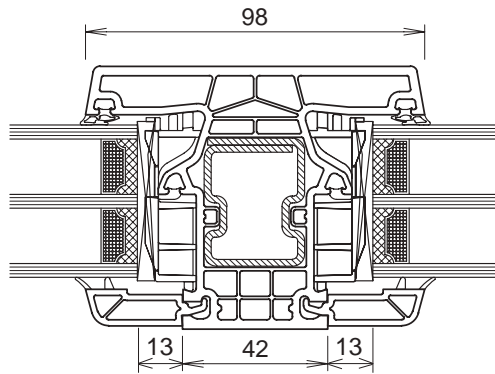


Frame	76172	
Steel	V314	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
	45x35	
	t=2 mm	



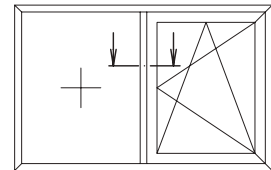
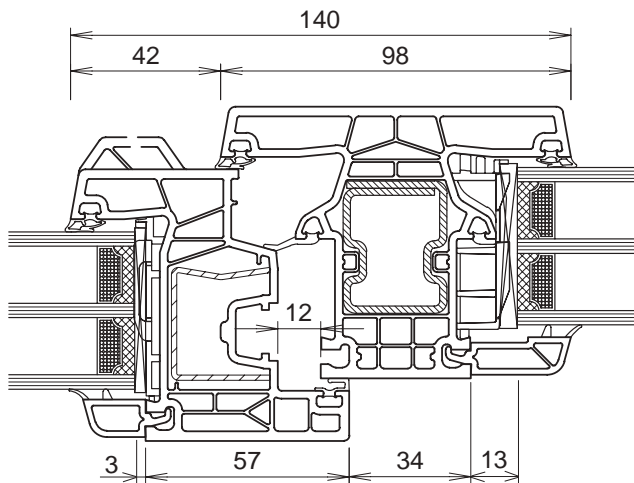
Frame	76174	
Steel	V299	$I_x=0,6 \text{ cm}^4$ $I_y=1,8 \text{ cm}^4$
	33x17	
	t=1.5 mm	

Fixed light with transom / Festfeld Pfosten / *Fisso con montate* / Fix cu montant



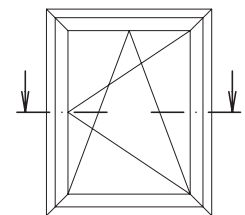
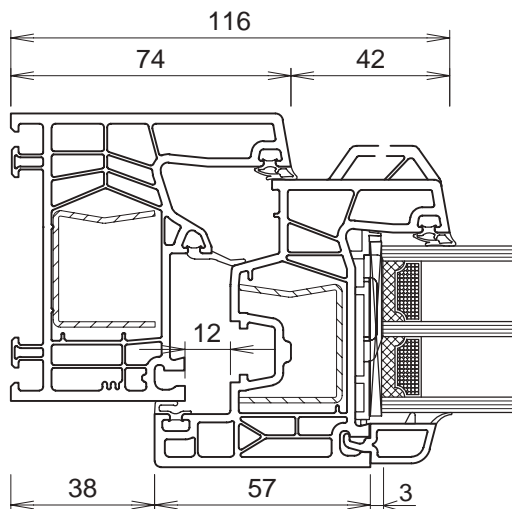
Transom	76371	$I_x=3,1 \text{ cm}^4$ $I_y=5,5 \text{ cm}^4$
Steel	V321 37x29 t=2 mm	
Steel	V320 37x29 t=1,5 mm	$I_x=2,4 \text{ cm}^4$ $I_y=3,5 \text{ cm}^4$

Fixed light - Transom - Sash / Festfeld - Pfosten - Flügel /
Fisso - Montante - Anta / Fix - Montant - Cercevea

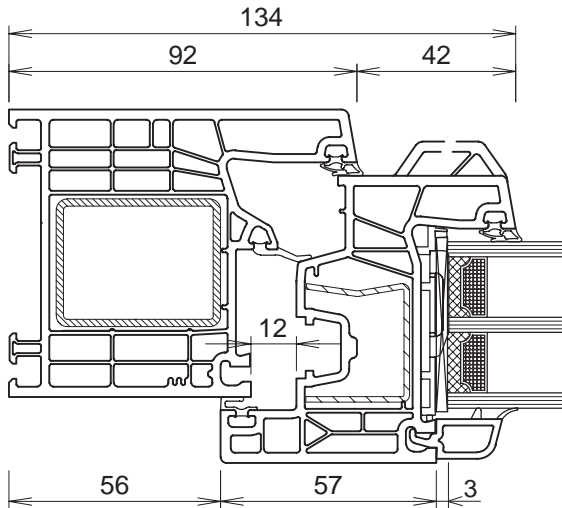


Transom	76371	$I_x=3,1 \text{ cm}^4$ $I_y=5,5 \text{ cm}^4$
Steel	V321 37x29 t=2 mm	
Sash or Sash	76271	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
Steel	V303 32,5x28 t=2 mm	
Steel	V308 32,5x28 t=2,5 mm	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$

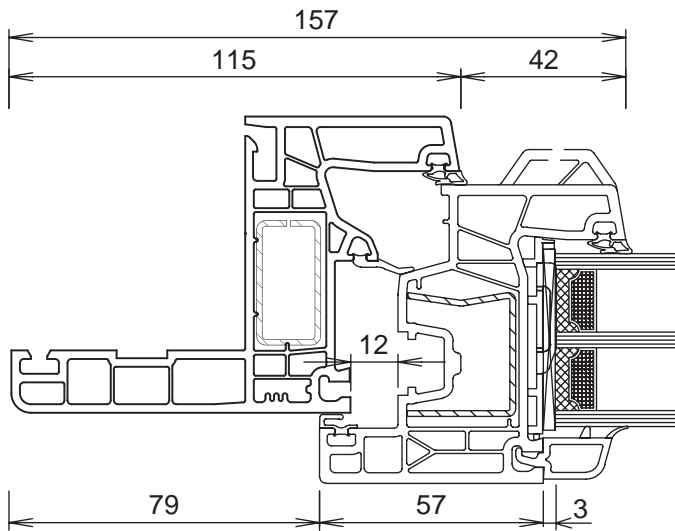
Frame - Sash / Blendrahmen - Flügel /
Telaio - Anta / Toc - Cercevea



Frame	76171	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
Steel	V303 32,5x28 t=2 mm	
Sash or Sash	76271	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
Steel	V303 32,5x28 t=2 mm	
Steel	V308 32,5x28 t=2,5 mm	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$

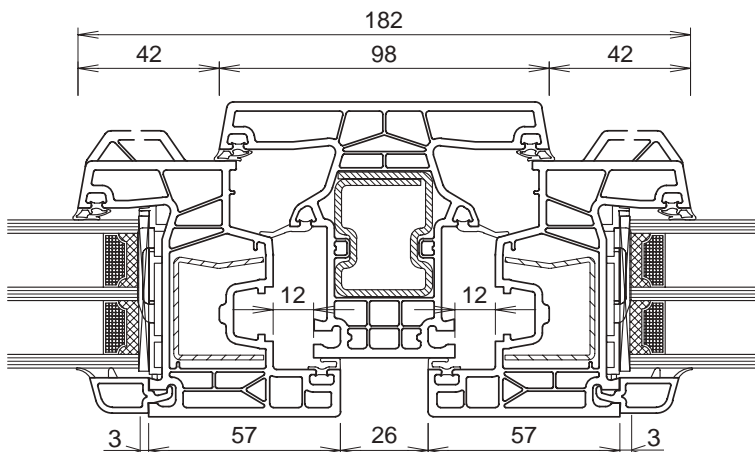
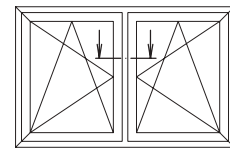


Frame	76172	
Steel	V314	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
	45x35	
	t=2 mm	
Sash	76271	
or		
Sash	76273	
Steel	V303	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
	32,5x28	
	t=2 mm	
or		
Steel	V308	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$
	32,5x28	
	t=2,5 mm	

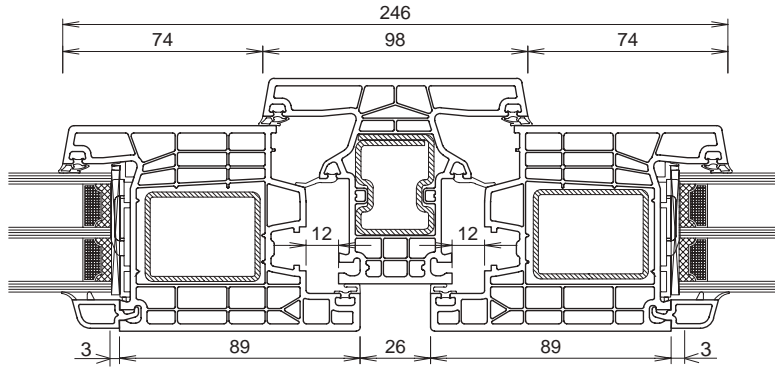


Frame	76174	
Steel	V299	$I_x=0,6 \text{ cm}^4$ $I_y=1,8 \text{ cm}^4$
	33x17	
	t=1,5 mm	
Sash	76271	
or		
Sash	76273	
Steel	V303	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
	32,5x28	
	t=2 mm	
or		
Steel	V308	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$
	32,5x28	
	t=2,5 mm	

Sash - Transom - Sash / Flügel Pfosten Flügel /
Anta - Montante Anta / Cercevea - Montant - Cercevea

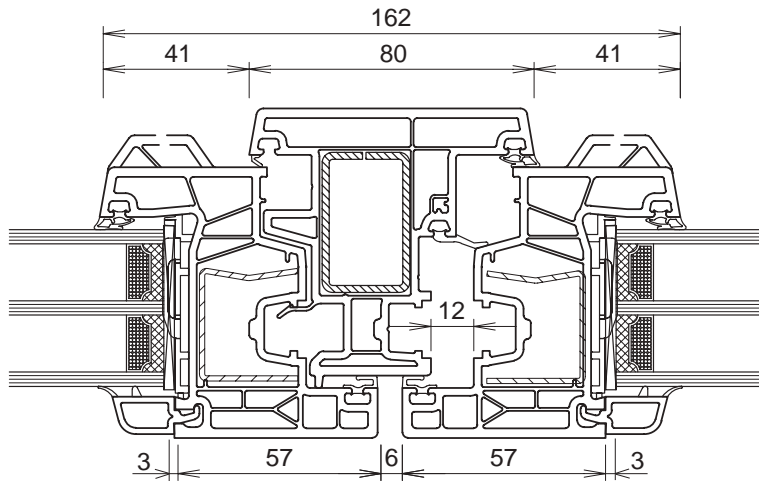
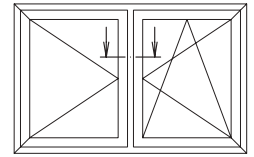


Sash	76271	
or		
Sash	76273	
Steel	V303	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
	32,5x28	
	t=2 mm	
Transom	76371	
Steel	V321	$I_x=3,1 \text{ cm}^4$ $I_y=5,5 \text{ cm}^4$
	37x29	
	t=2 mm	
Sash	76271	
or		
Sash	76273	
Steel	V303	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
	32,5x28	
	t=2 mm	

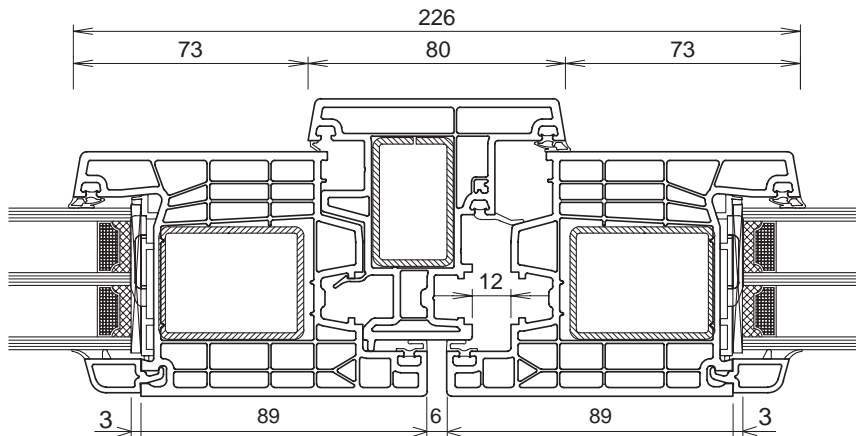


Sash	76272	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	
Transom	76371	
Steel	V321 37x29 t=2 mm	$I_x=3,1 \text{ cm}^4$ $I_y=5,5 \text{ cm}^4$
Sash	76272	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	

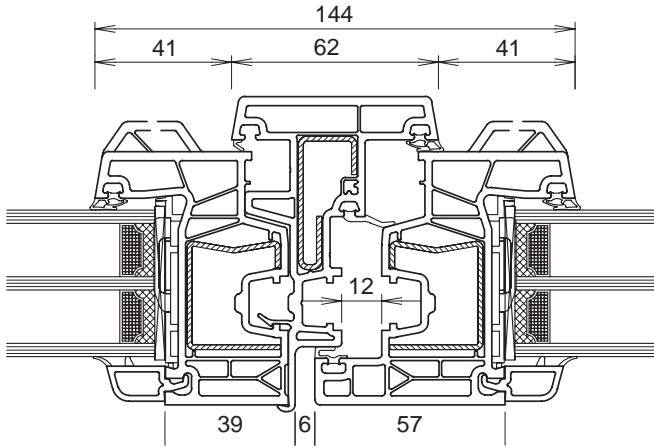
Sash - Floating Mullion - Sash / Flügel - Stulp - Flügel /
Anta - Profilo Riporto - Anta / Cercevea - Ștulp - Cercevea



Sash or Sash	76271 76273	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
Steel	V303 32,5x28 t=2 mm	
Floating Mullion	76472	$I_x=2,3 \text{ cm}^4$ $I_y=4,8 \text{ cm}^4$
Steel	V317 40x25 t=2 mm	
Sash or Sash	76271 76273	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
Steel	V303 32,5x28 t=2 mm	

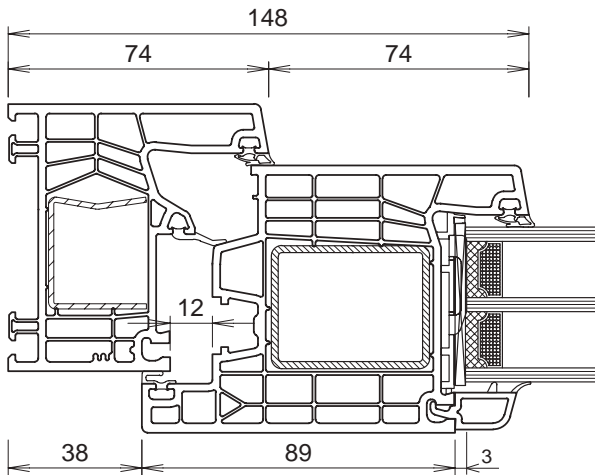
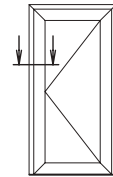


Sash	76272	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	
Floating Mullion	76472	$I_x=2,3 \text{ cm}^4$ $I_y=4,8 \text{ cm}^4$
Steel	V317 40x25 t=2 mm	
Sash	76272	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	

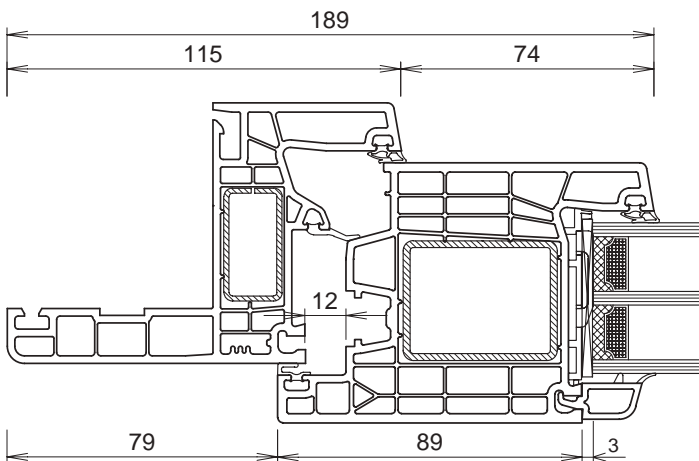


Sash	76271	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
or Sash	76273	
Steel	V303 32,5x28 t=2 mm	
Floating Mullion	76471	$I_x=2,3 \text{ cm}^4$ $I_y=4,8 \text{ cm}^4$
Steel	V316 30x20 t=1,5 mm	
Sash	76271	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
or Sash	76273	
Steel	V303 32,5x28 t=2 mm	

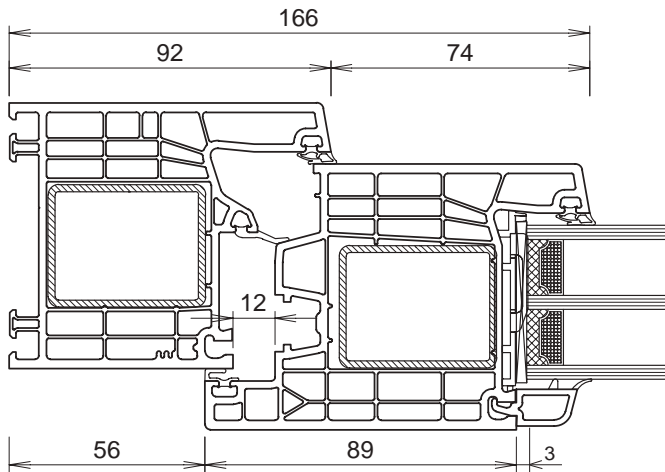
**Frame - Sash / Blendrahmen Flügel /
Telaio - Anta / Toc - Cercevea**



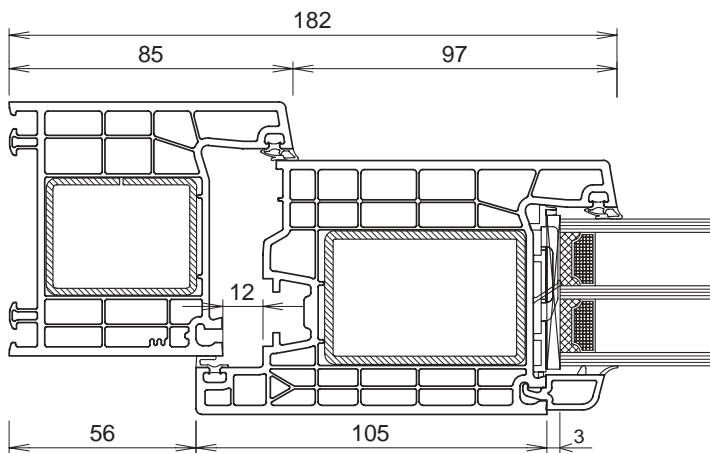
Frame	76171	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
Steel	V303 32,5x28 t=2 mm	
Sash	76272	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	



Frame	76174	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V299	
Sash	76272	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	

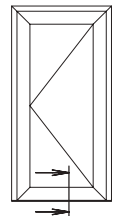
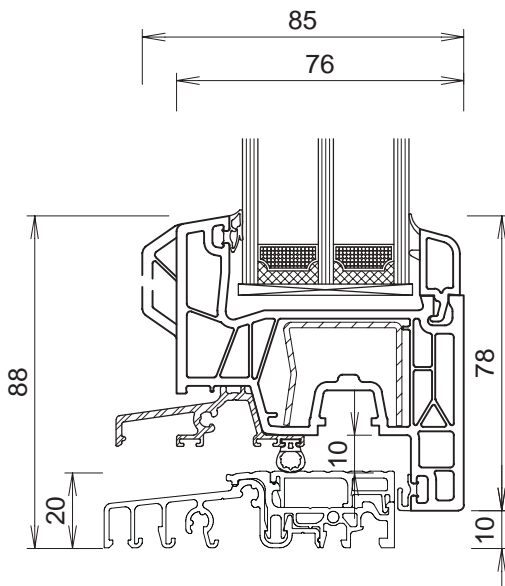


Frame	76172	
Steel	V314	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
	45x35	
	t=2 mm	
Sash	76272	
Steel	V314	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
	45x35	
	t=2 mm	

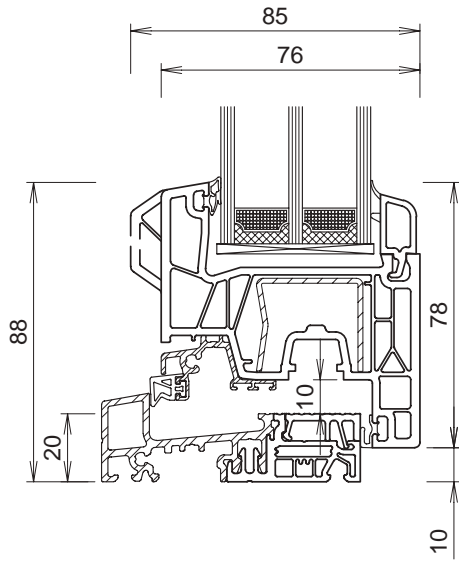


Frame	76102	
Steel	V314	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
	45x35	
	t=2 mm	
Sash	76206	$I_x=22,8 \text{ cm}^4$ $I_y=12,1 \text{ cm}^4$
Steel	V260	
	40x60	
	t=2.5 mm	

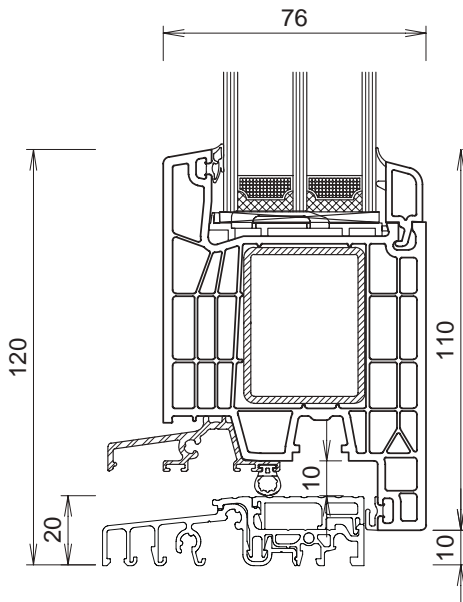
**Threshold - Sash / Schwellenprofil - Flügel /
Soglia - Anta / Prag - Cercevea**



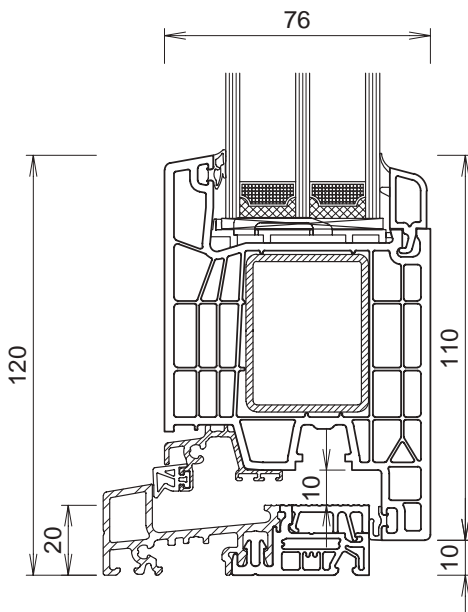
Threshold	6861501	
Weather bar	A062	
Sash	76271	
Sash	76273	
Steel	V303	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
	32,5x28	
	t=2 mm	
or		
Steel	V308	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$
	32,5x28	
	t=2,5 mm	



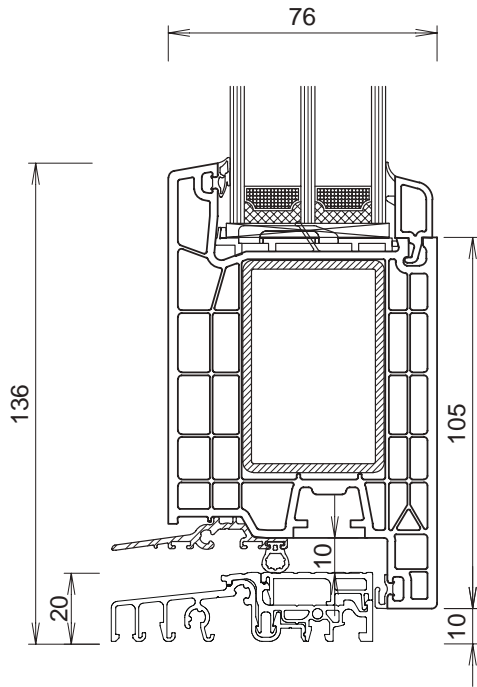
Treshold	A075	
Weather bar	A064	
Sash	76271	
or		
Sash	76273	
Steel	V303	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
	32,5x28	
	t=2 mm	
or		
Steel	V308	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$
	32,5x28	
	t=2,5 mm	



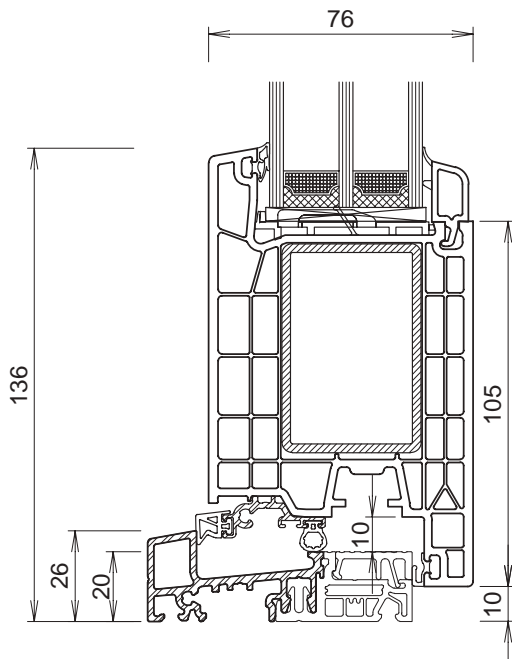
Treshold	6861501	
Weather bar	A062	
Sash	76272	
Steel	V314	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
	45x35	
	t=2 mm	



Treshold	A075	
Weather bar	A064	
Sash	76272	
Steel	V314	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
	45x35	
	t=2 mm	

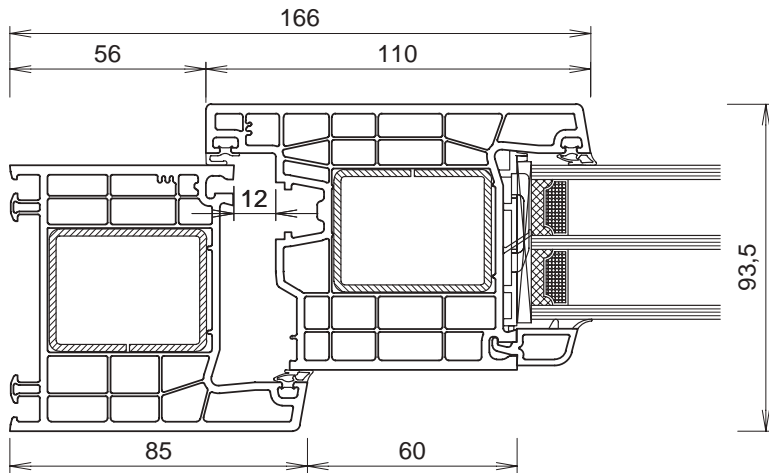
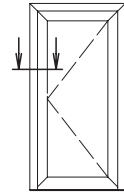


Threshold	6861501	$I_x=22,8 \text{ cm}^4$ $I_y=12,1 \text{ cm}^4$
Weather bar	A061	
Sash	76206	
Steel	V260 40x60 t=2.5 mm	

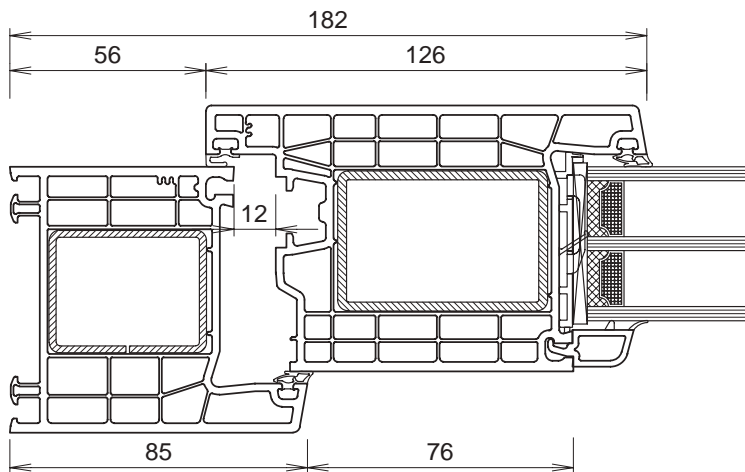


Threshold	A075	$I_x=22,8 \text{ cm}^4$ $I_y=12,1 \text{ cm}^4$
Weather bar	A063	
Sash	76206	
Steel	V260 40x60 t=2.5 mm	

Frame - Sash outside opening / Blendrahmen - Flügel außen öffnend /
Telaio - Anta apertura esterna / Toc - Cercevea deschidere exterioară

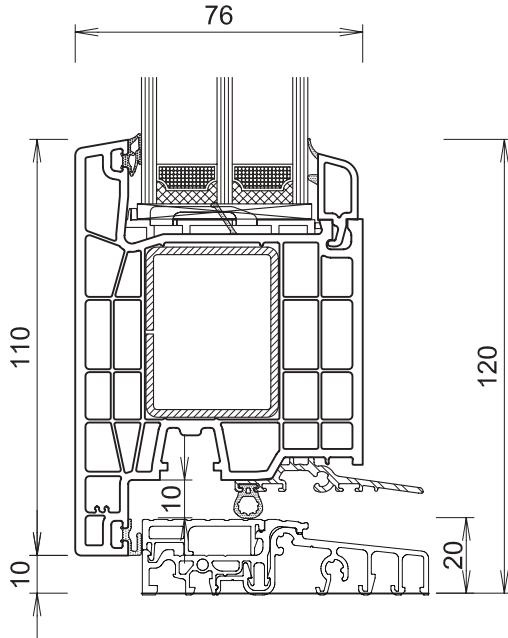
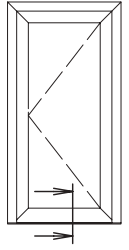


Frame	76102	
Steel	V314	$I_x=8,4 \text{ cm}^4$
	45x35	$I_y=5,7 \text{ cm}^4$
	t=2 mm	
Sash	76205	$I_x=8,4 \text{ cm}^4$
Steel	V314	$I_y=5,7 \text{ cm}^4$
	45x35	
	t=2 mm	

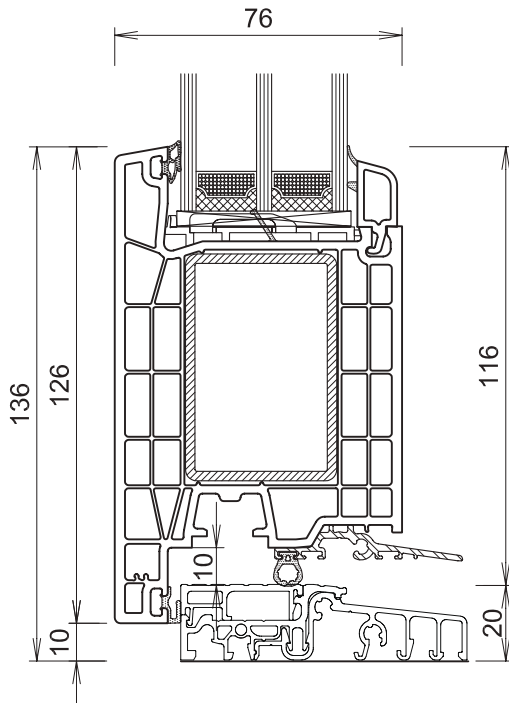


Frame	76102	
Steel	V314	$I_x=8,4 \text{ cm}^4$
	45x35	$I_y=5,7 \text{ cm}^4$
	t=2 mm	
Sash	76207	$I_x=22,8 \text{ cm}^4$
Steel	V260	$I_y=12,1 \text{ cm}^4$
	40x60	
	t=2.5 mm	

Treshold - Sash outside opening / Schwellenprofil - Flügel außen öffnend /
Soglia - Anta apertura esterna / Prag - Cercevea deschidere exterioara



Treshold	6861501	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Weather bar	A061	
Aluprofil	A065	
Sash	76205	
Steel	V314 45x35 t=2 mm	

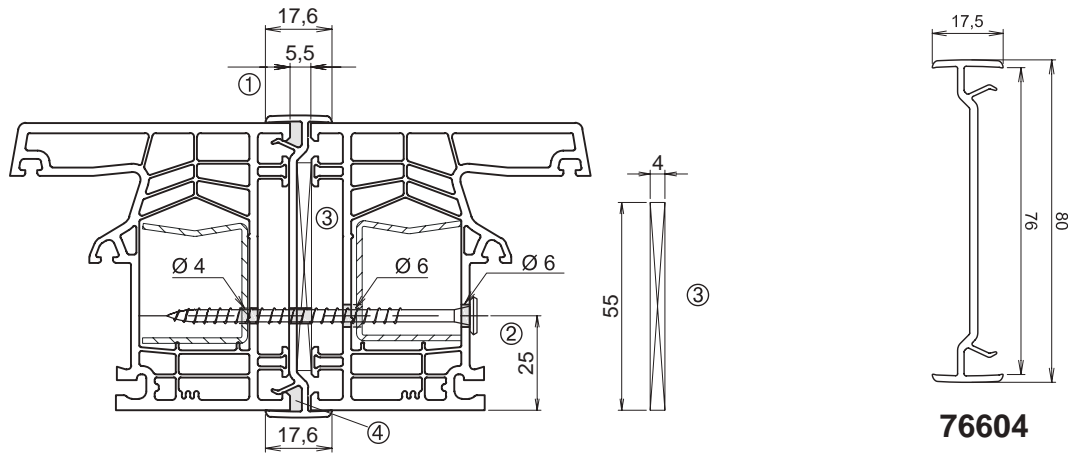


Treshold	6861501	$I_x=22,8 \text{ cm}^4$ $I_y=12,1 \text{ cm}^4$
Weather bar	A061	
Aluprofil	A065	
Sash	76207	
Steel	V260 40x60 t=2.5 mm	

HERCULES 70 BORA ROLLO FRONT ROLLO TOP GLASS GLASS BESCHLÄG HARDWARE PREMILINE PREMIDOOR 88 PREMIDOOR 76 KUBUS PASIV 82 STYLE 76 RONDO PERFORMER 74

Coupling profiles / Kopplungsprofile / Profili di accoppiamento / Profile de cuplare

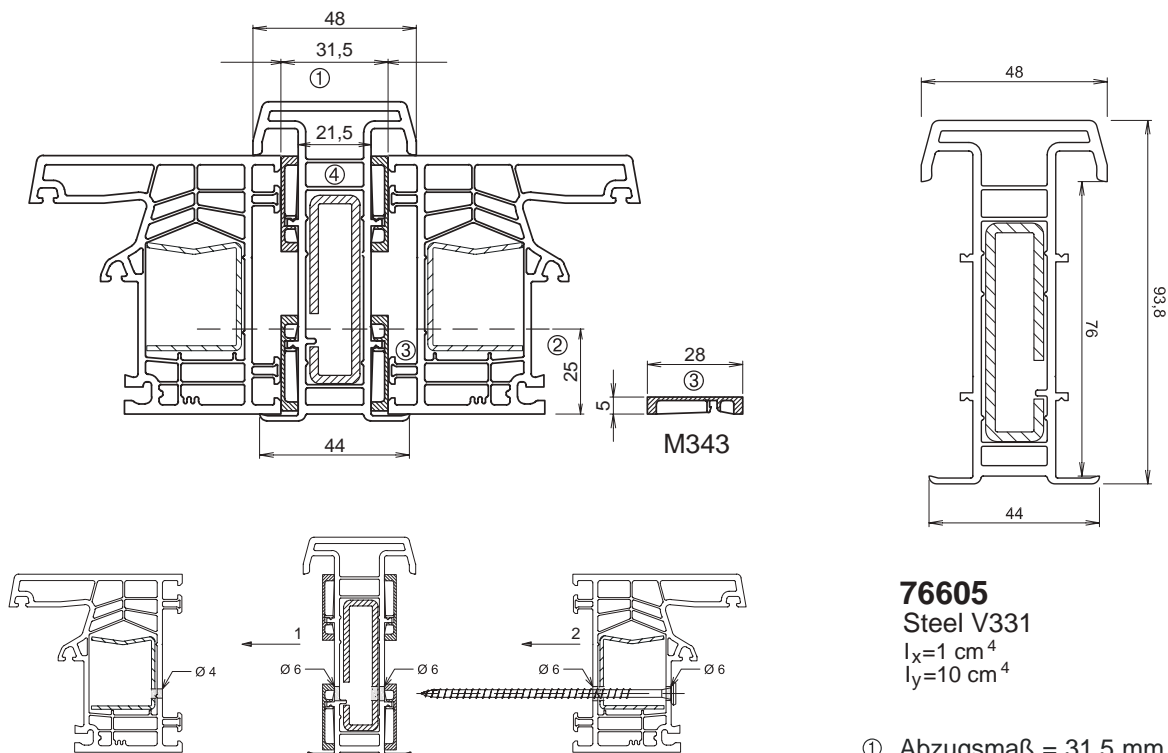
H coupler / H Schieber / Profilo di accoppiamento / Profil cuplare



76604

- ① Deduction / Abzugsmaß / Cuota da detrarre / Cota rost inbinare
- ② Screw axis / Schraubachse / Asse della vite / Axa surubului
- ③ Spacer block / Distanzklotz / Tassello distaziatore / Distantier
- ④ Sealing / Abdichtung der Kapillarfugen / Sigilatura / Sigilare

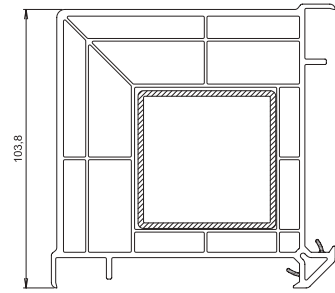
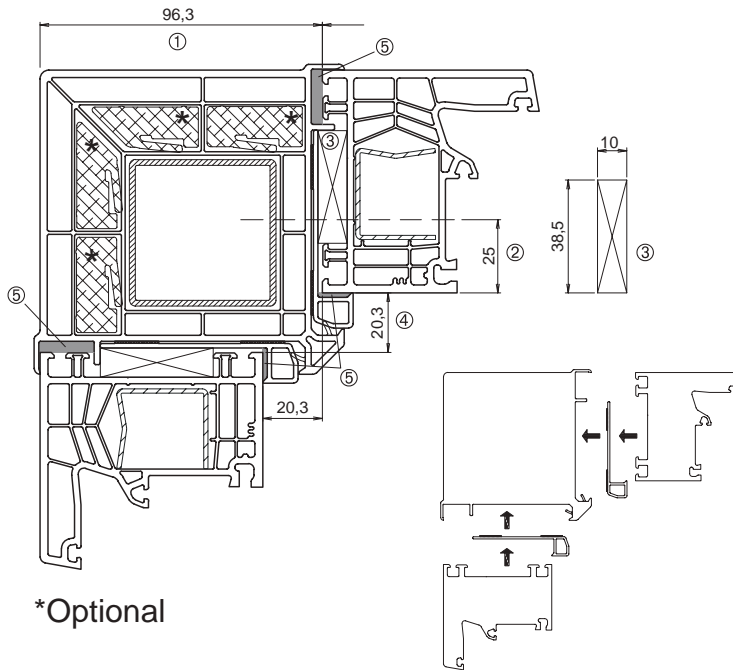
H coupler / H Schieber / Profilo di accoppiamento / Profil cuplare ranforsat



76605
Steel V331
 $I_x=1 \text{ cm}^4$
 $I_y=10 \text{ cm}^4$

- ① Abzugsmaß = 31,5 mm
- ② Schraubachse
- ③ Distanzklotz M343
- ④ Kopplung 76605

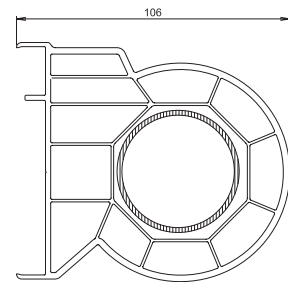
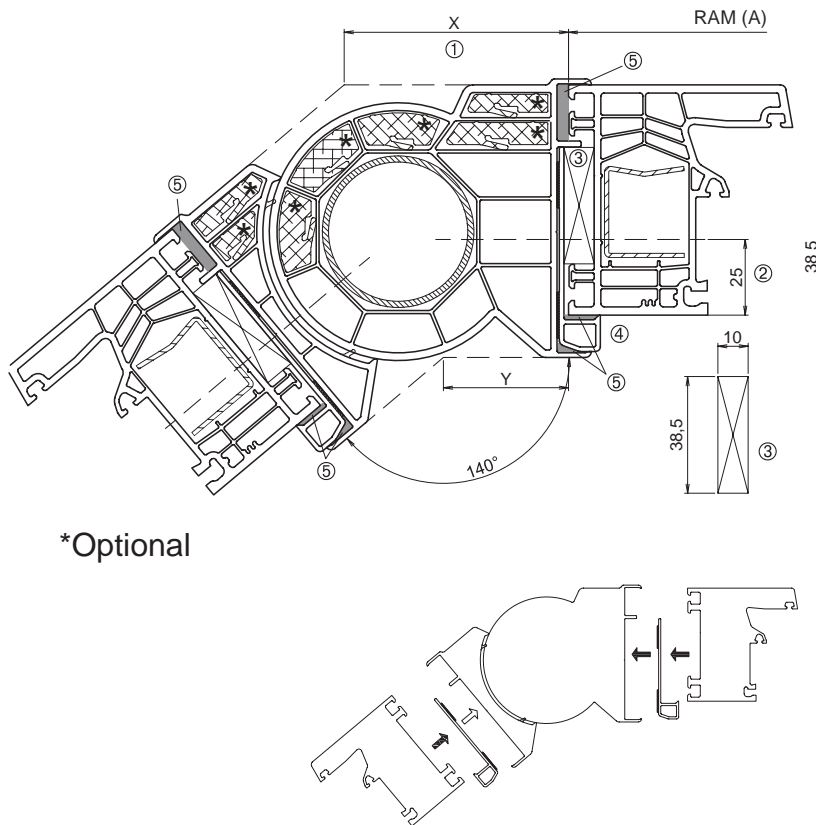
Corner coupling 90° / Eckkopplung 90° / Giunto angolare 90° / Profil cuplare 90°



8355
Steel 940808
 $I_x=14,4 \text{ cm}^4$
 $I_y=14,4 \text{ cm}^4$

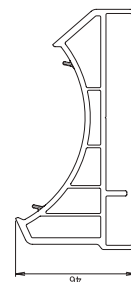
*Optional

Bay pole / Eckkopplung variabel / Giunto angolare variabile / Profil cuplare unghi variabil



8340
Steel 640
 $I_x=8,7 \text{ cm}^4$
 $I_y=8,7 \text{ cm}^4$

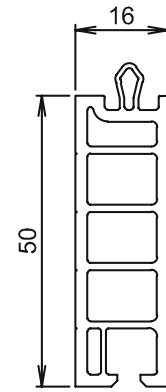
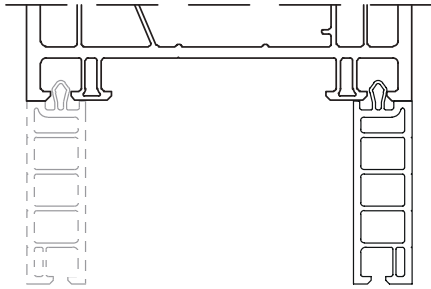
*Optional



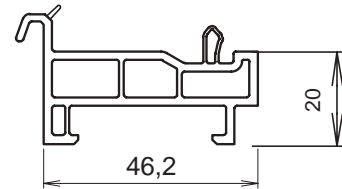
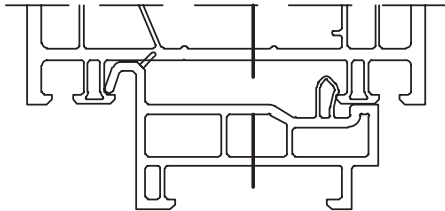
8341

- ① **Deduction** / Abzugsmaß / *Cuota da detrare* / Cota de sczut
- ② **Screw axis** / Schraubachse / *Asse della vite* / Axa surubului
- ③ **Spacer block** / Distanzklotz / *Tassello distanziatore* / Distantier
- ④ **Adapter** / Kopplungsadapter / *Adattore* / Adaptor
- ⑤ **Sealing** / Abdichtung der Kapillarfugen / *Sigilatura* / Sigilare

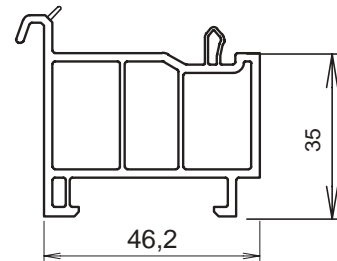
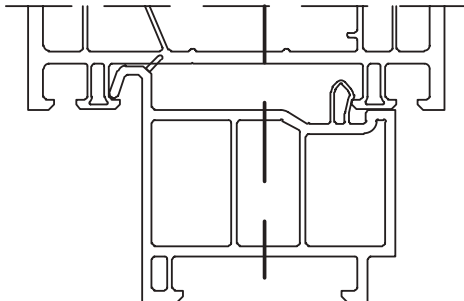
Bank connection profile / Sohlbankprofile /
Profilo di appoggio inferiore / Profile suprainaltare pervaz



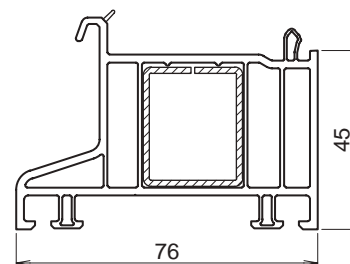
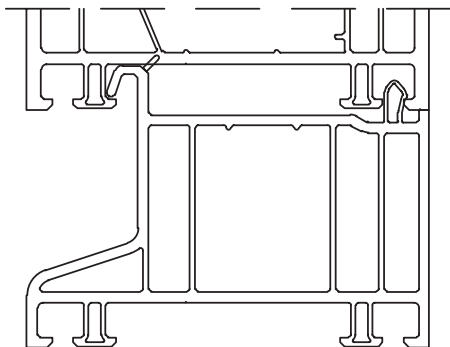
76707



7654

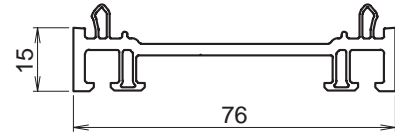
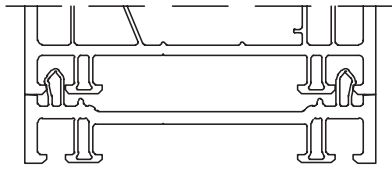


7653

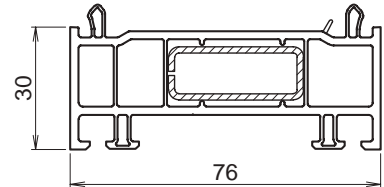
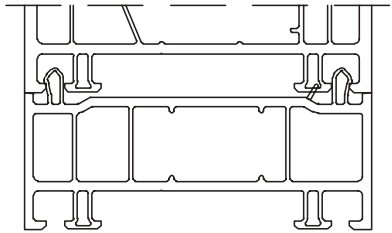


76704
Steel V114*
*Optional

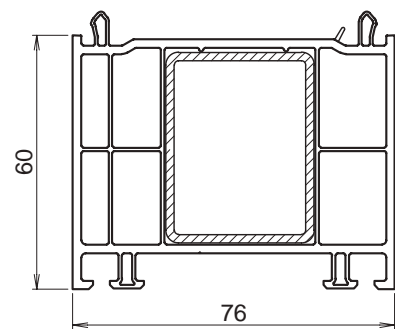
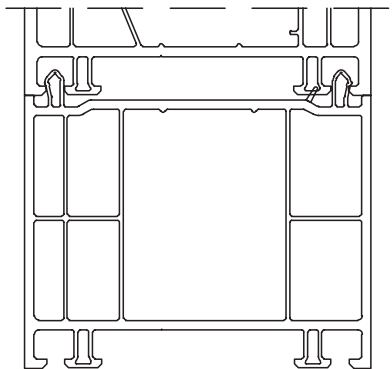
Outer frame extension / Blendrahmen Verbreiterung /
Allargatore Telaio / Profile extensie toc



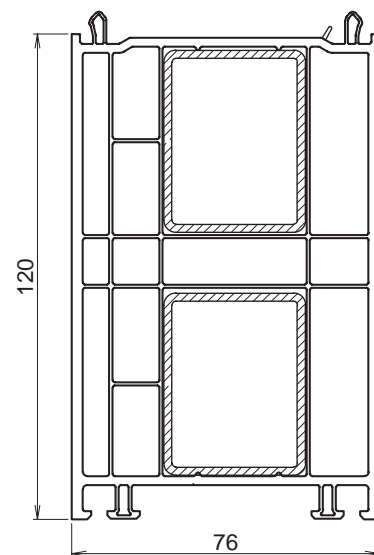
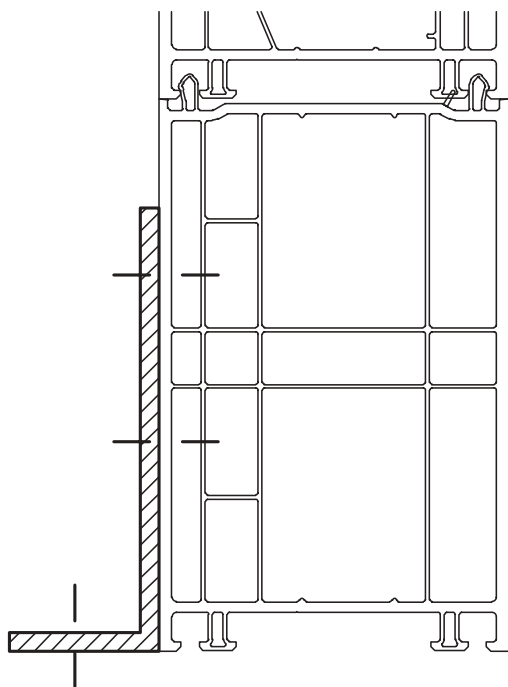
76700



76701
Steel V312*
*Optional



76702
Steel V314*
*Optional

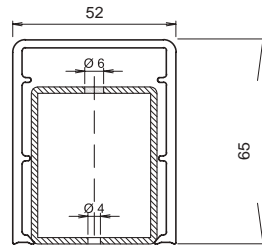
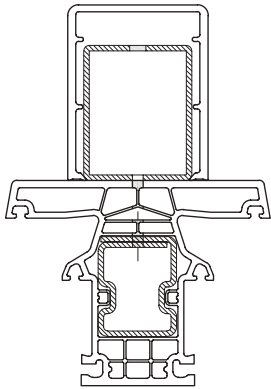


76703
Steel V314*
*Optional

PERFORMER 74
RONDO
STYLE 76
PASIV 82
KUBUS
PREMIDOOOR 76
PREMIDOOOR 88
PREMILINE
BESCHLÄG
HARDWARE
GLASS
GLASS
ROLLO TOP
ROLLO FRONT
BORA
HERCULES 70

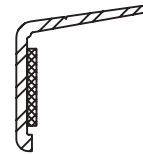
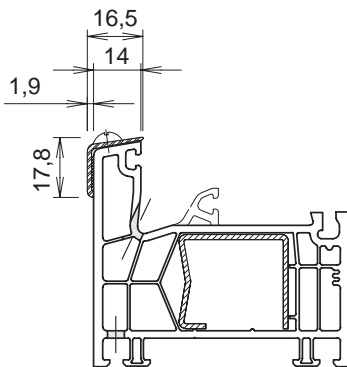
Auxilliary profiles / Zusatzprofile / Profili aggiuntivi / Profile auxiliare

Reinforcing plant-on profile / Statik-Aufsatz / Rinforzo / Ranforsare aplicată



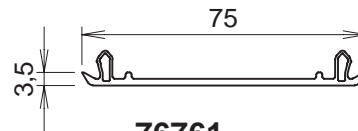
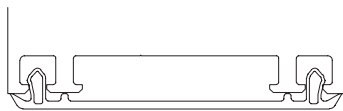
93002
Steel V260
40x60 - 2.5 mm
 $I_y=12,1 \text{ cm}^4$

Aluminium foot-step angle / Alu-Trittwinkel / Protezione pedata in alluminio / Protecție aluminu toc



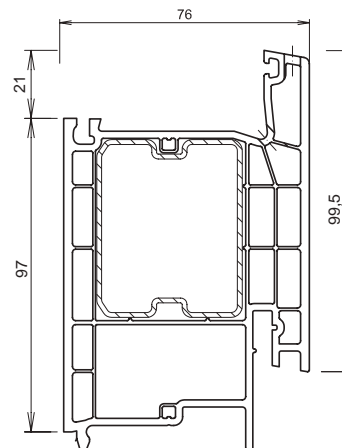
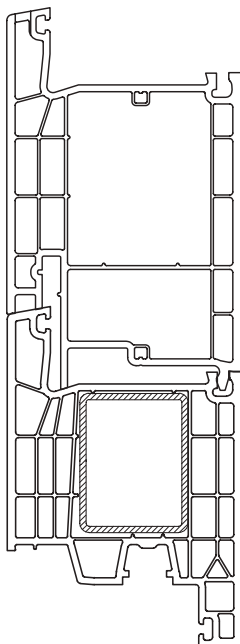
A066.T

Frame leg covering / Rahmenfussabdeckungl / Profilo copertura / Capac rama



76761

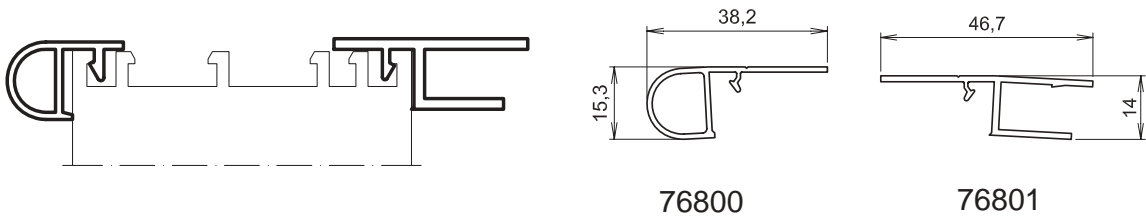
Extention profile / Höhenausgleichsprofil / Profilo zoccolo porta / Profil bandou usa



76299
Steel V323
44x54 - 1.5 mm

Roller shutter profiles / Rollläden Zusatzprofile / Profili aggiuntivi per avvolgibile / Profile rulouri

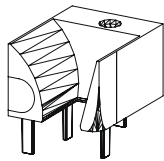
Roller shutter guide profile / Rollladen Ablaufprofil / Profilo guida tapparelle / Profil ghidaj cover lamele rulou



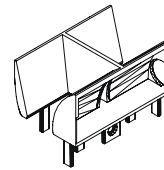
76800

76801

Roller shutter feeding form / Rollladeneinlauftrichter / Convogliatore avvolgibile / Ghidaj șină rulou

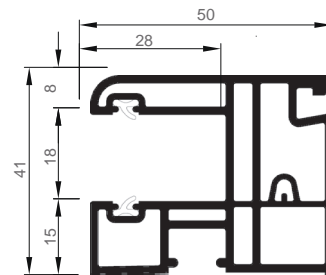
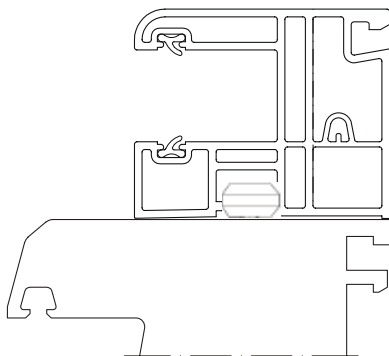


3434



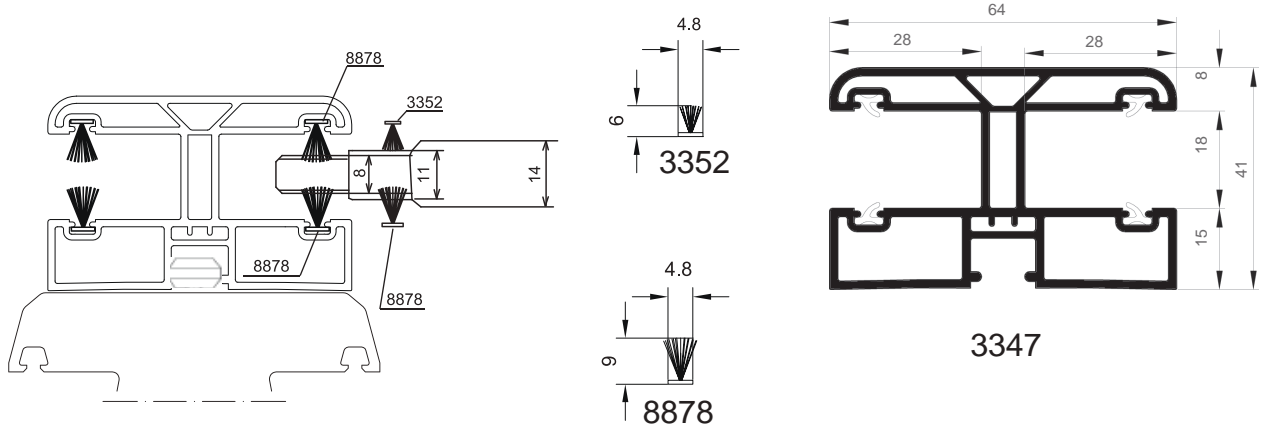
3429

Roller shutter guide / Rollladenführung / Guida per avvolgibile / Șină rulou



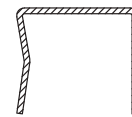
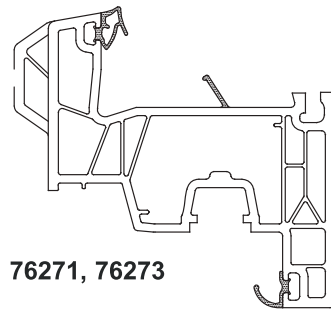
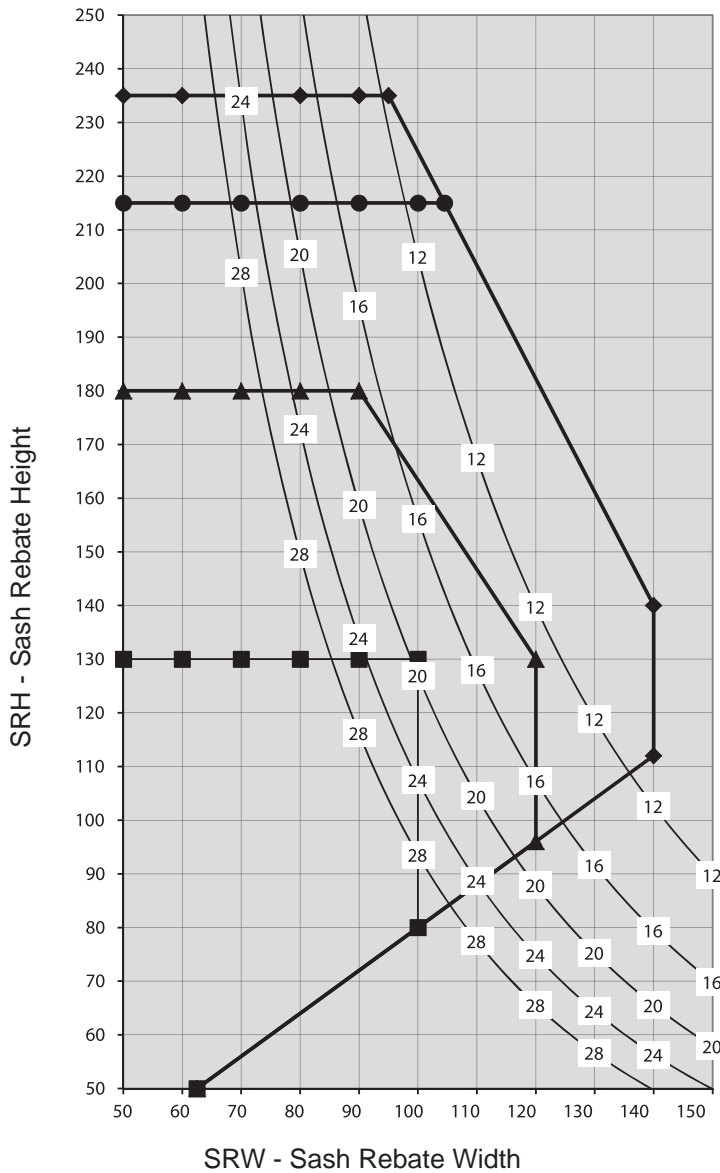
3348

Roller shutter guide / Rollladenführung / Guida per avvolgibile / Șină rulou



3347

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră



V303
1,5 mm
 $I_W = 2,2 \text{ cm}^4$
 $I_G = 1,0 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles
- White Profiles without steel
- 12— Glass thickness 12 mm
- 16— Glass thickness 16 mm
- 20— Glass thickness 20 mm
- 24— Glass thickness 24 mm
- 28— Glass thickness 28 mm

Ex: IG unit 4-12-4-12-4 has
4+4+4=12 mm Glass thickness

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

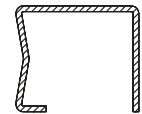
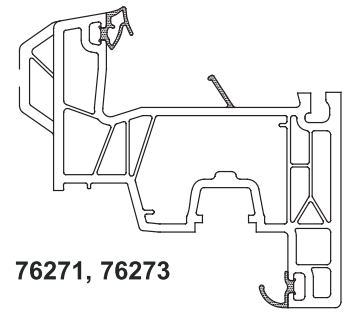
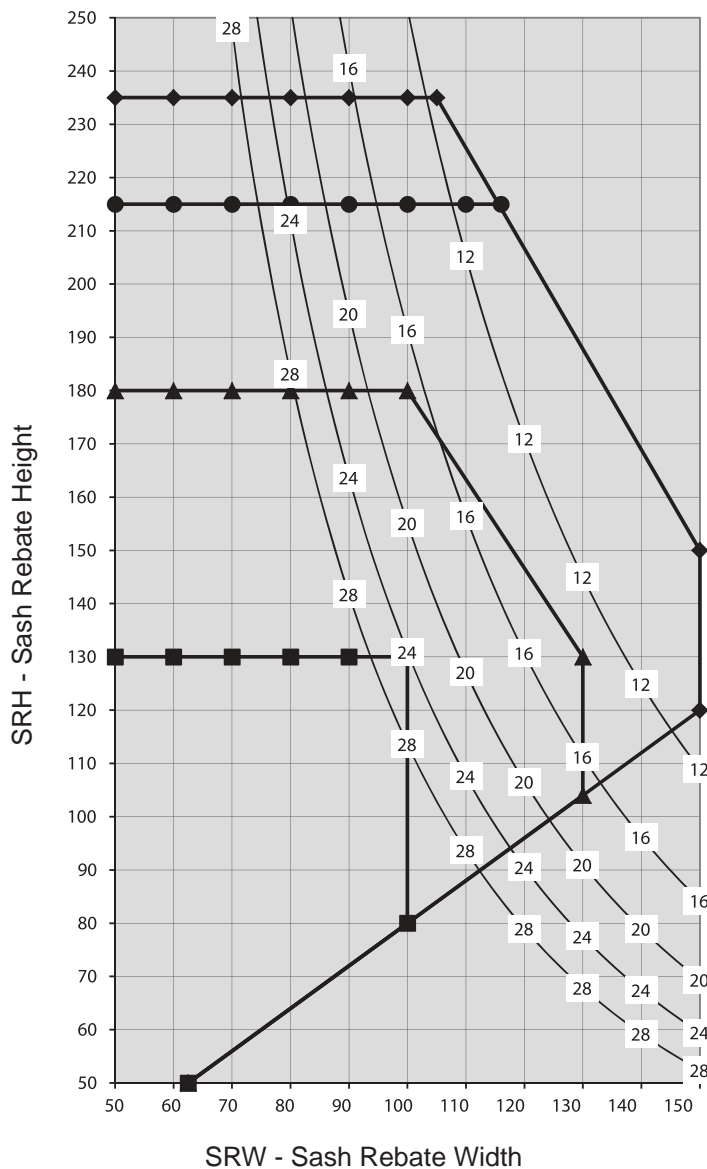


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră



$I_w = 2,3 \text{ cm}^4$
 $I_G = 1,3 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles
- White Profiles without steel
- 12— Glass thickness 12 mm
- 16— Glass thickness 16 mm
- 20— Glass thickness 20 mm
- 24— Glass thickness 24 mm
- 28— Glass thickness 28 mm

Ex: IG unit 4-12-4-12-4 has
4+4+4=12 mm Glass thickness

SRH - Sash rebate height
Flügelalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%

Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

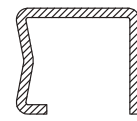
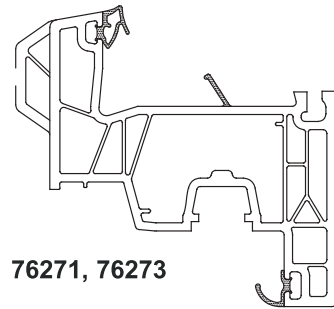
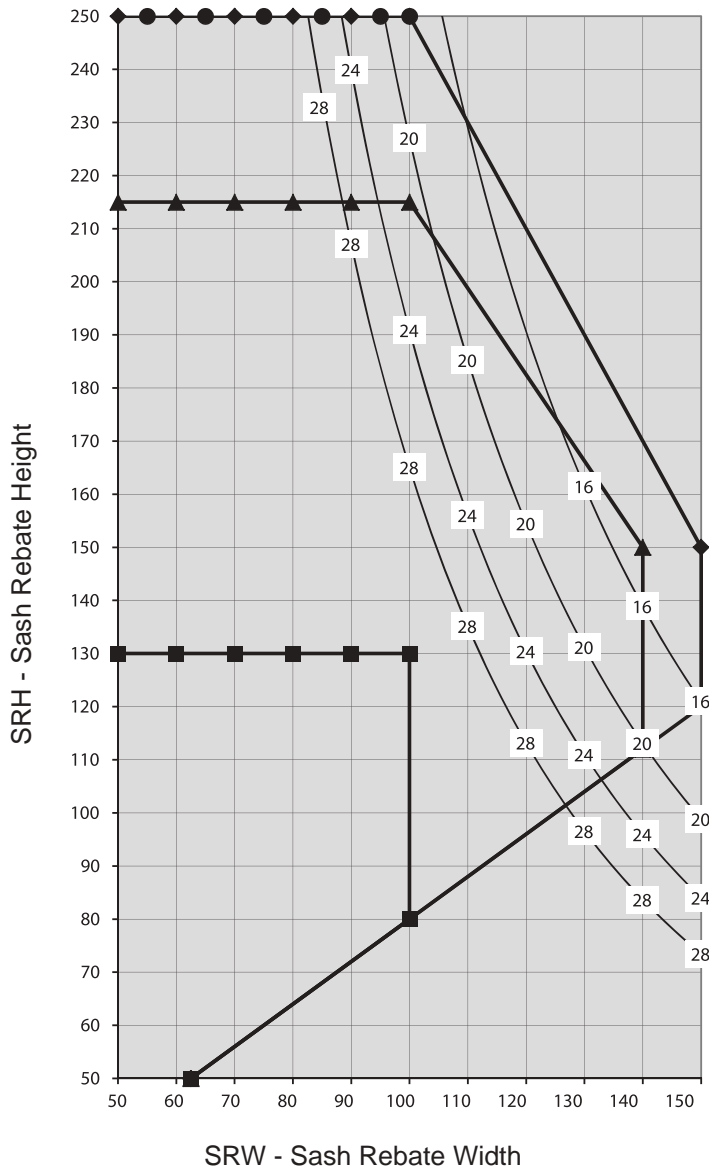


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

**Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensioni maxime cercevea fereastră**



- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles
- White Profiles without steel
- 12— Glass thickness 12 mm
- 16— Glass thickness 16 mm
- 20— Glass thickness 20 mm
- 24— Glass thickness 24 mm
- 28— Glass thickness 28 mm

Ex: IG unit 4-12-4-12-4 has
4+4+4=12 mm Glass thickness

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%

Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

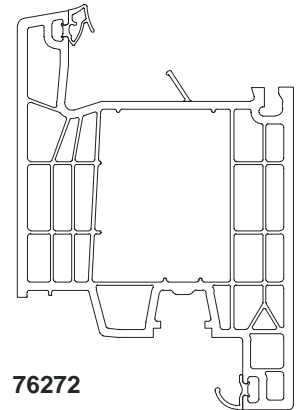
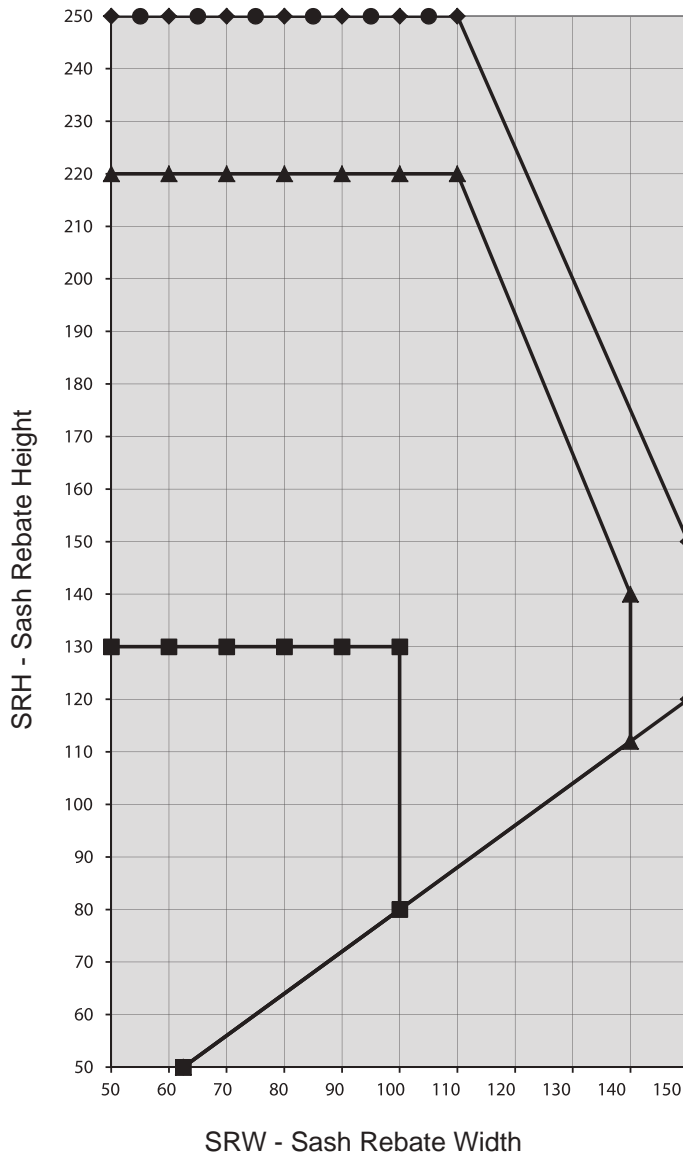


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa

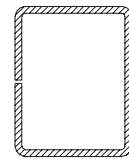


Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Window Sash Maximum Sizes / Fenster Flügelgrößen Diagramme /
Campi d'applicazione Anta Finestra / Dimensiuni maxime cercevea fereastră



76272



V314
2 mm

$I_w = 5,7 \text{ cm}^4$
 $I_G = 8,4 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles
- White Profiles without steel only for 8 mm glass thickness

Ex: IG unit 4-12-4 has
4+4+4=12 mm Glass thickness

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

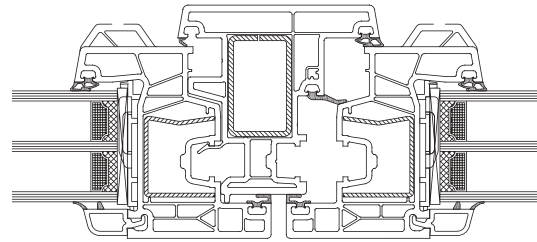
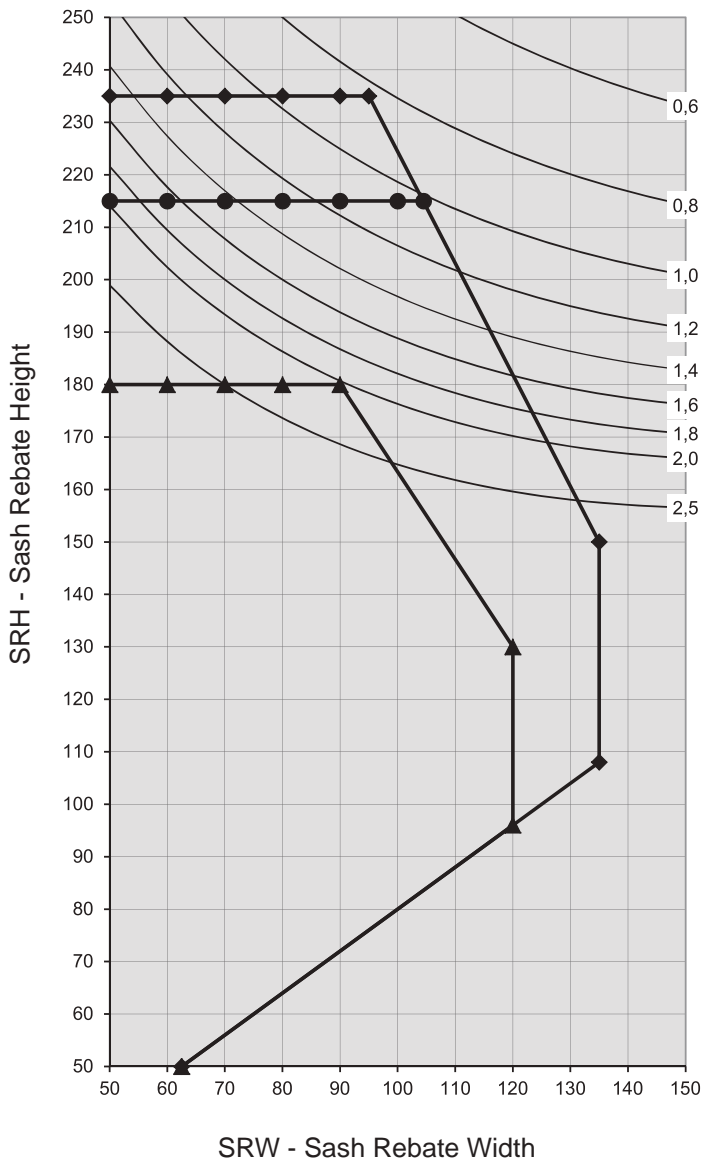


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Double Sash Window / Stulp Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra a Due Ante / Dimensiuni Maximala Cercevea Cu Ştulp



76271, 76273	76472	76271, 76273
V303	V317	V303
$I_W = 2,2 \text{ cm}^4$	$I_W = 4,8 \text{ cm}^4$	$I_W = 2,2 \text{ cm}^4$
$I_G = 1,0 \text{ cm}^4$	$I_G = 2,3 \text{ cm}^4$	$I_G = 1,0 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canat!

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%

Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

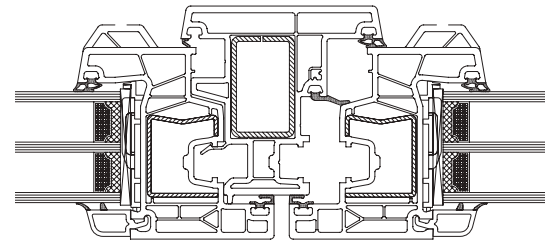
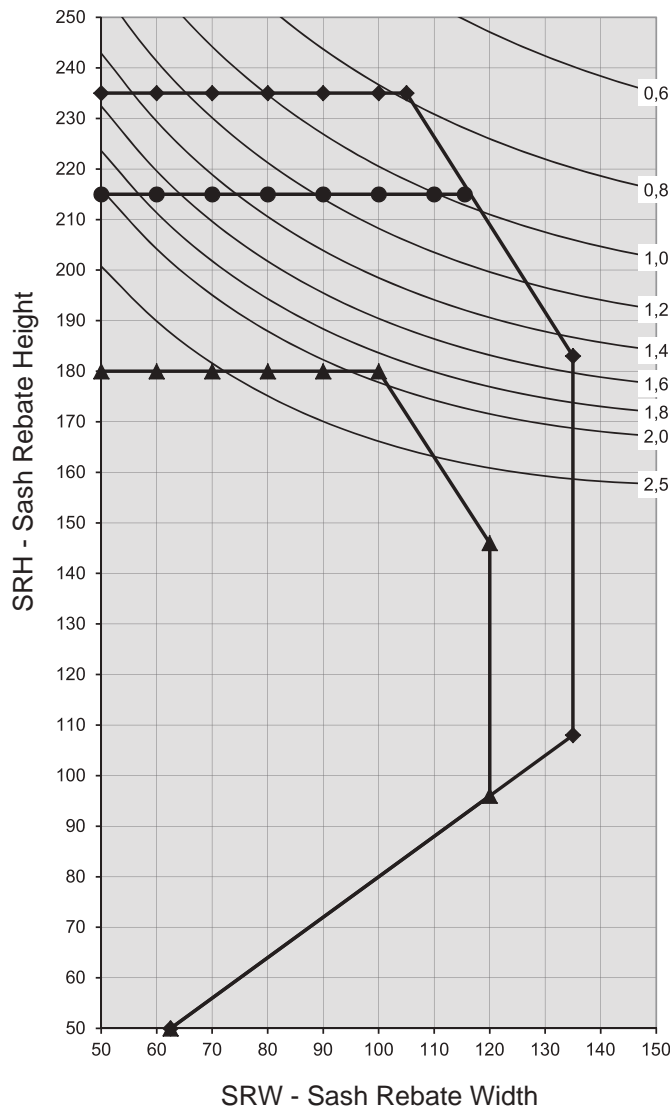


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Double Sash Window / Stulp Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra a Due Ante / Dimensiuni Maximala Cercevea Cu Ştulp



Flügelprofil 76271, 76273	Stulpprofil 76472	Flügelprofil 76271, 76273
V306	V317	V306
$I_W = 2,3 \text{ cm}^4$ $I_G = 1,3 \text{ cm}^4$	$I_W = 4,8 \text{ cm}^4$ $I_G = 2,3 \text{ cm}^4$	$I_W = 2,3 \text{ cm}^4$ $I_G = 1,3 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canal!

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevei

SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

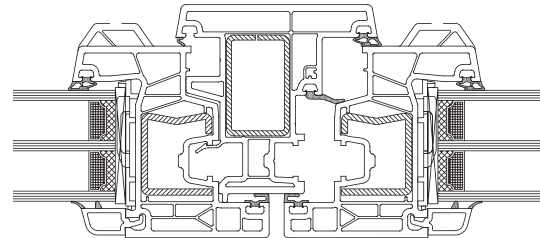
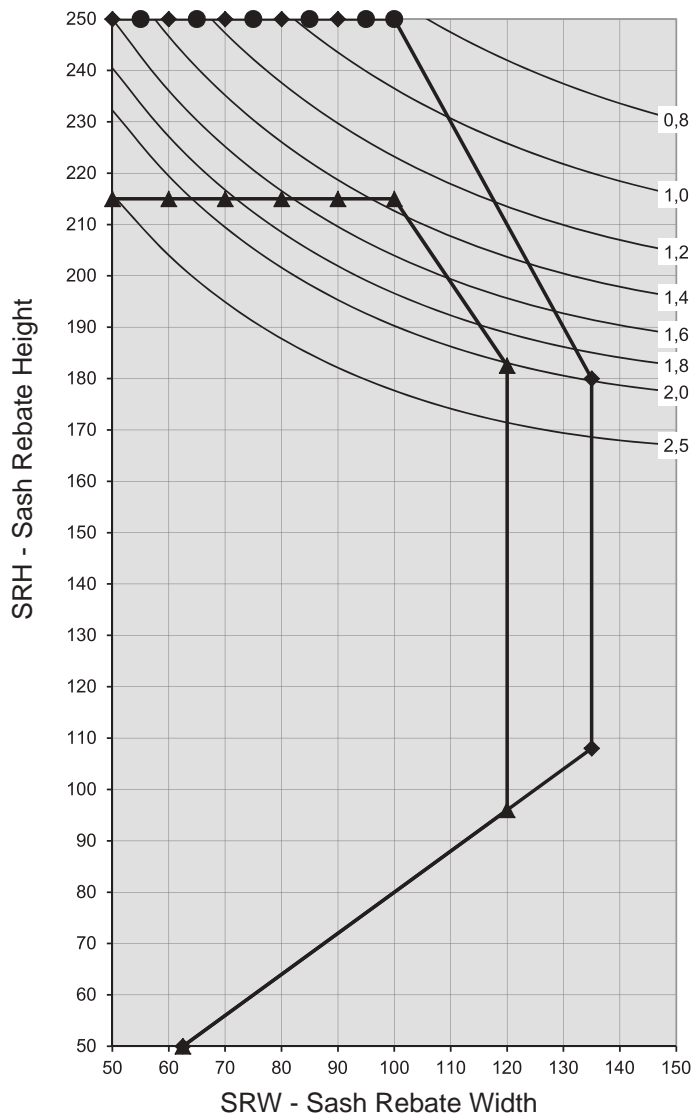


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Double Sash Window / Stulp Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra a Due Ante / Dimensiuni Maxime Cercevea Cu Ştulp



76271, 76273	76472	76271, 76273
V308	V317	V308
$I_W = 3,4 \text{ cm}^4$	$I_W = 4,8 \text{ cm}^4$	$I_W = 3,4 \text{ cm}^4$
$I_G = 1,9 \text{ cm}^4$	$I_G = 2,3 \text{ cm}^4$	$I_G = 1,9 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

Wind load [kN/m²]

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canal!

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%

Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

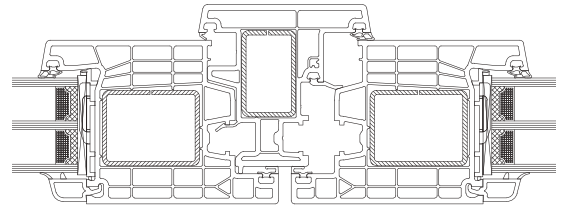
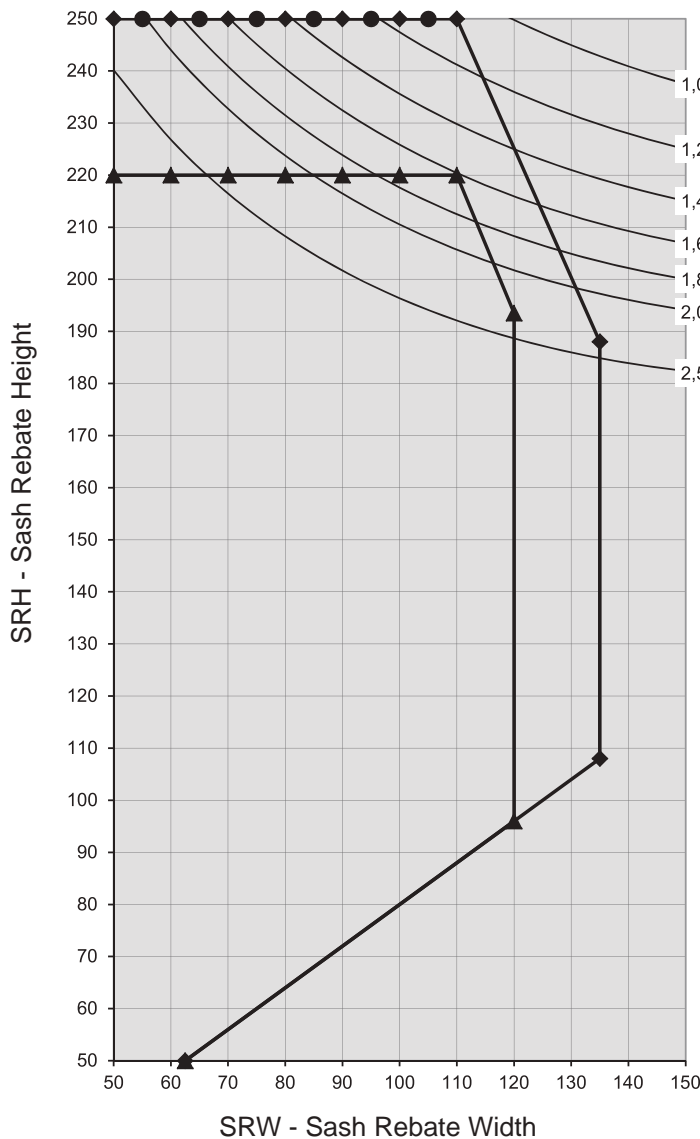


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Double Sash Window / Stulp Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra a Due Ante / Dimensiuni Maximala Cercevea Cu Ştulp



76272	76472	76272
V314	V317	V314
$I_W = 5,7 \text{ cm}^4$	$I_W = 4,8 \text{ cm}^4$	$I_W = 5,7 \text{ cm}^4$
$I_G = 8,4 \text{ cm}^4$	$I_G = 2,3 \text{ cm}^4$	$I_G = 8,4 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

Wind load [kN/m²]

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canat!

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

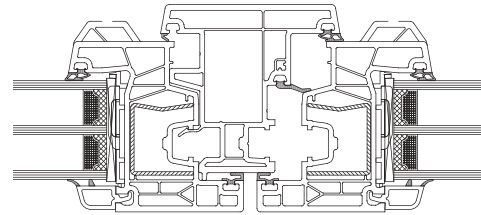
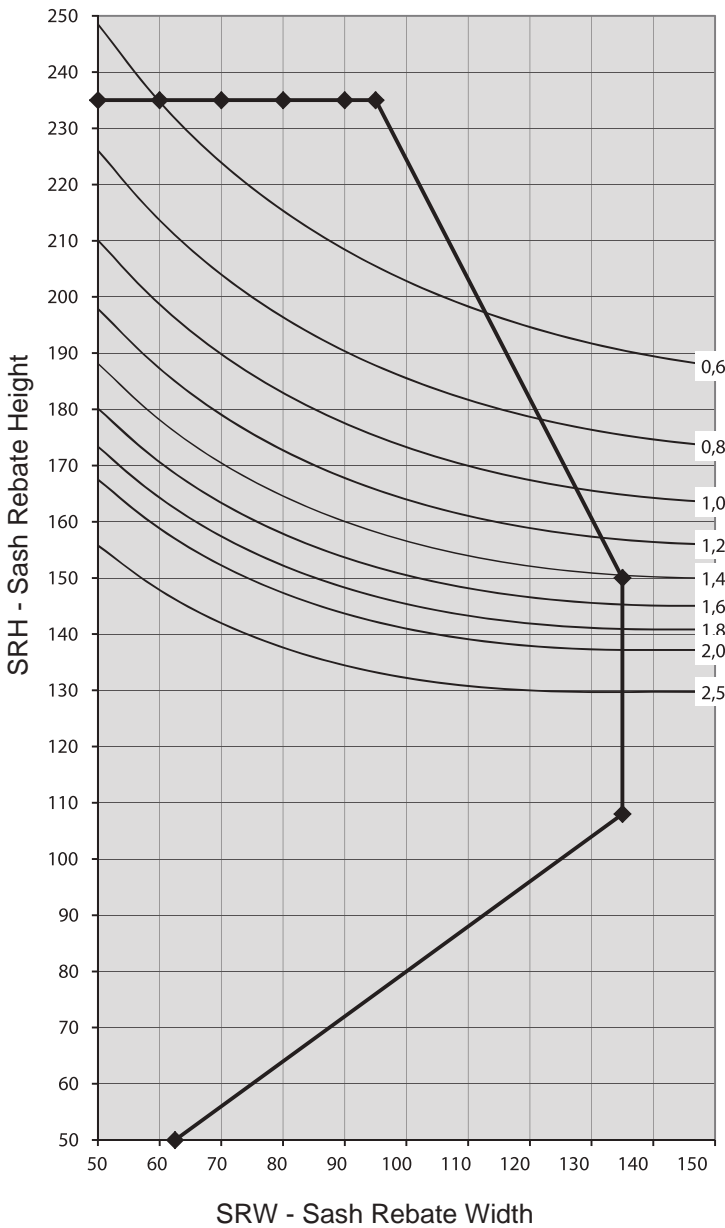


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Double Sash Window / Stulp Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra a Due Ante / Dimensiuni Maximala Cercevea Cu Ştulp



76271, 76273	76472	76271, 76273
V303		V303
$I_W = 2,2 \text{ cm}^4$		$I_W = 2,2 \text{ cm}^4$
$I_G = 1,0 \text{ cm}^4$		$I_G = 1,0 \text{ cm}^4$

◆ * Only in white
Nur weiss
Solo in bianco
Doar in varianta alb

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canal!

SRH - Sash rebate height
Flügelalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%

Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

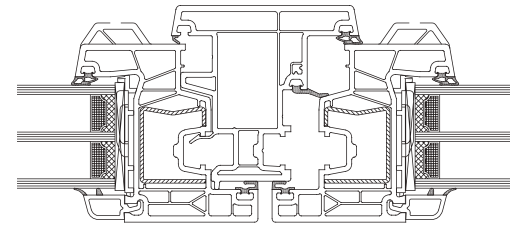
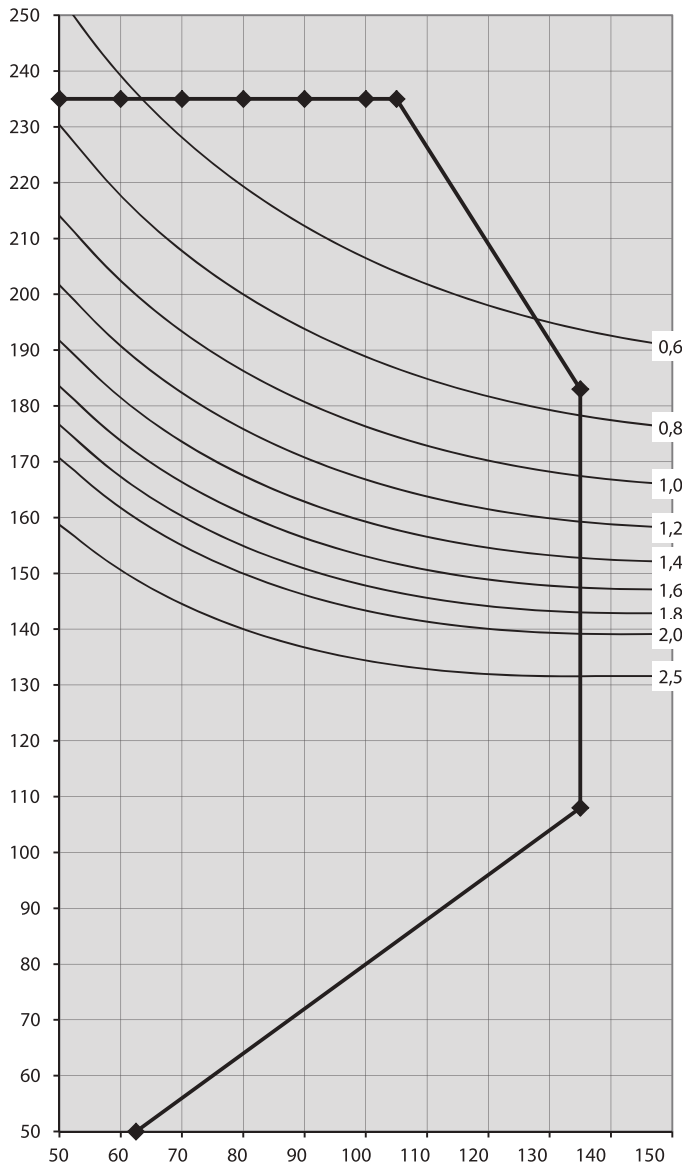


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Double Sash Window / Stulp Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra a Due Ante / Dimensiuni Maximala Cercevea Cu Ştulp



Flügelprofil 76271, 76273	Stulpprofil 76472	Flügelprofil 76271, 76273
V306		
$I_w = 2,3 \text{ cm}^4$		$I_w = 2,3 \text{ cm}^4$
$I_g = 1,3 \text{ cm}^4$		$I_g = 1,3 \text{ cm}^4$

◆ *** Only in white**
Nur weiss
Solo in bianco
Doar in varianta alb

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügel diagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canal!

SRH - Sash rebate height

Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width

Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%

Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

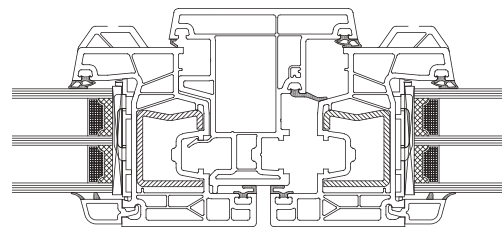
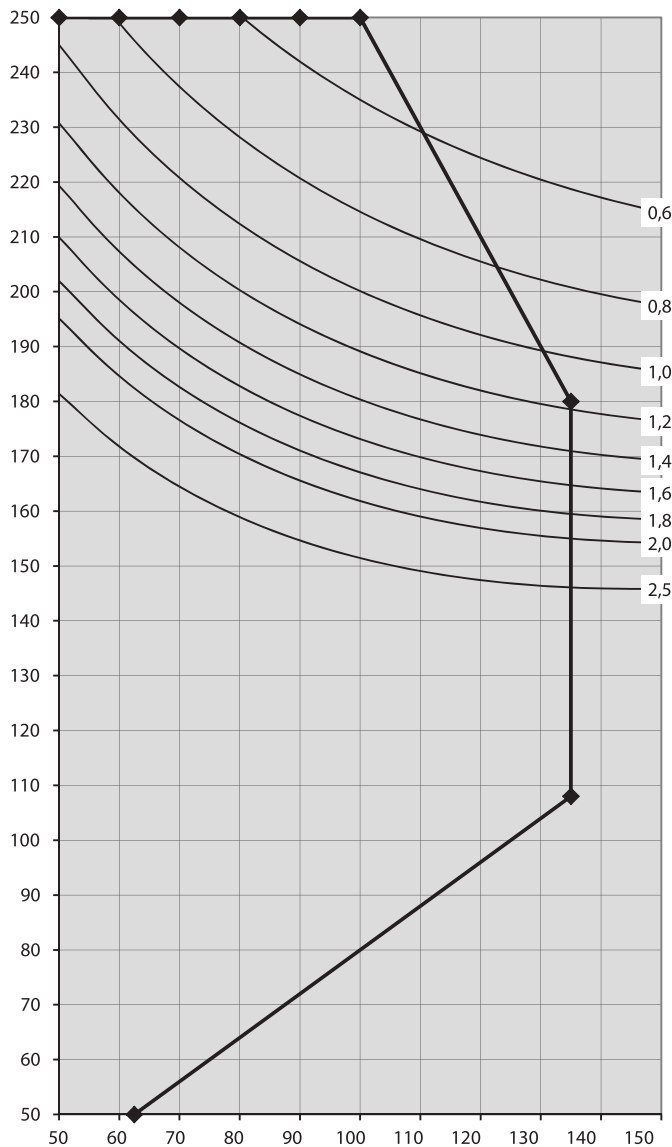


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Double Sash Window / Stulp Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra a Due Ante / Dimensiuni Maximala Cercevea Cu Ştulp



76271, 76273	76472	76271, 76273
V308		V308
$I_w = 3,4 \text{ cm}^4$		$I_w = 3,4 \text{ cm}^4$
$I_g = 1,9 \text{ cm}^4$		$I_g = 1,9 \text{ cm}^4$

◆ * **Only in white**
Nur weiss
Solo in bianco
Doar in varianta alb

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canat!

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%

Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

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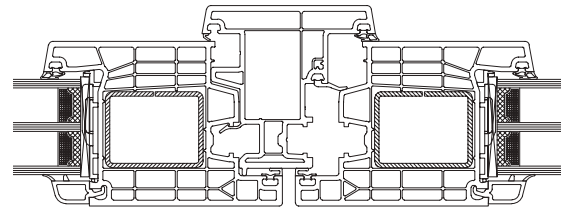
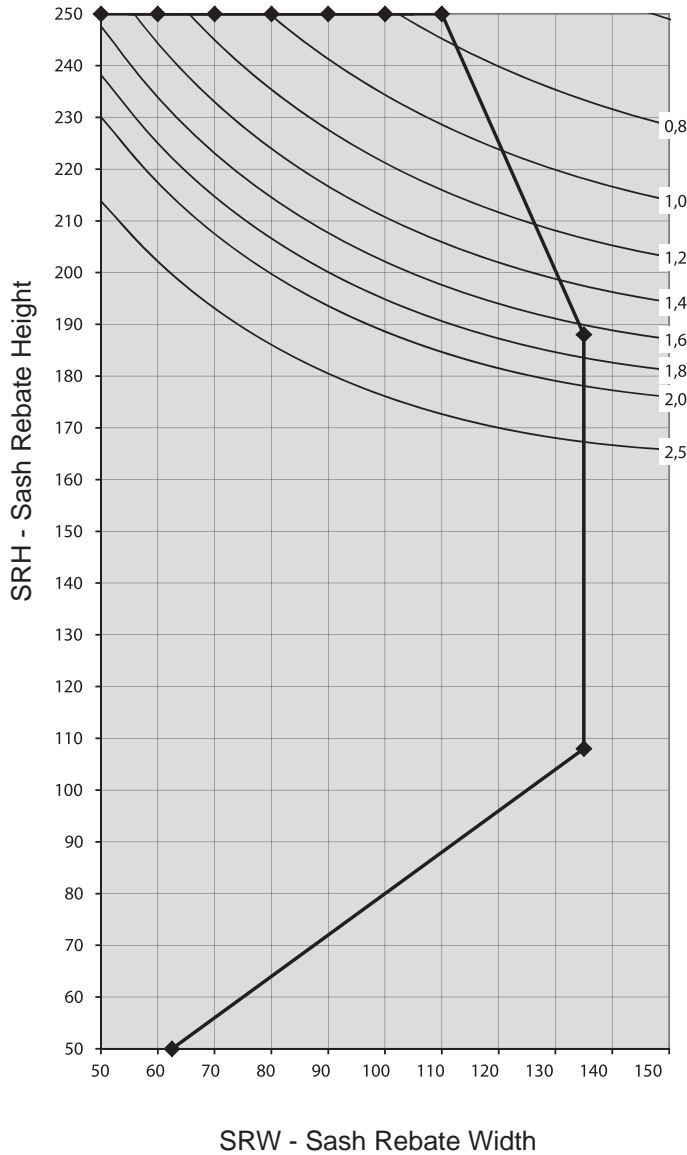


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Double Sash Window / Stulp Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra a Due Ante / Dimensioni Maximali Cercevea Cu Ștulp



76272	76472	76272
V314		V314
$I_W = 5,7 \text{ cm}^4$		$I_W = 5,7 \text{ cm}^4$
$I_G = 8,4 \text{ cm}^4$		$I_G = 8,4 \text{ cm}^4$

◆ * Only in white
Nur weiss
Solo in bianco
Doar in varianta alb

Wind load [kN/m²]

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!


Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canal!

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

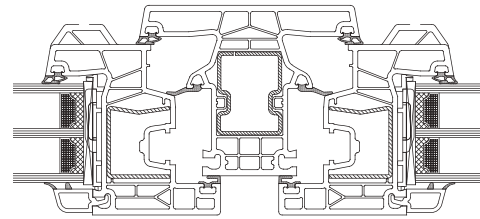
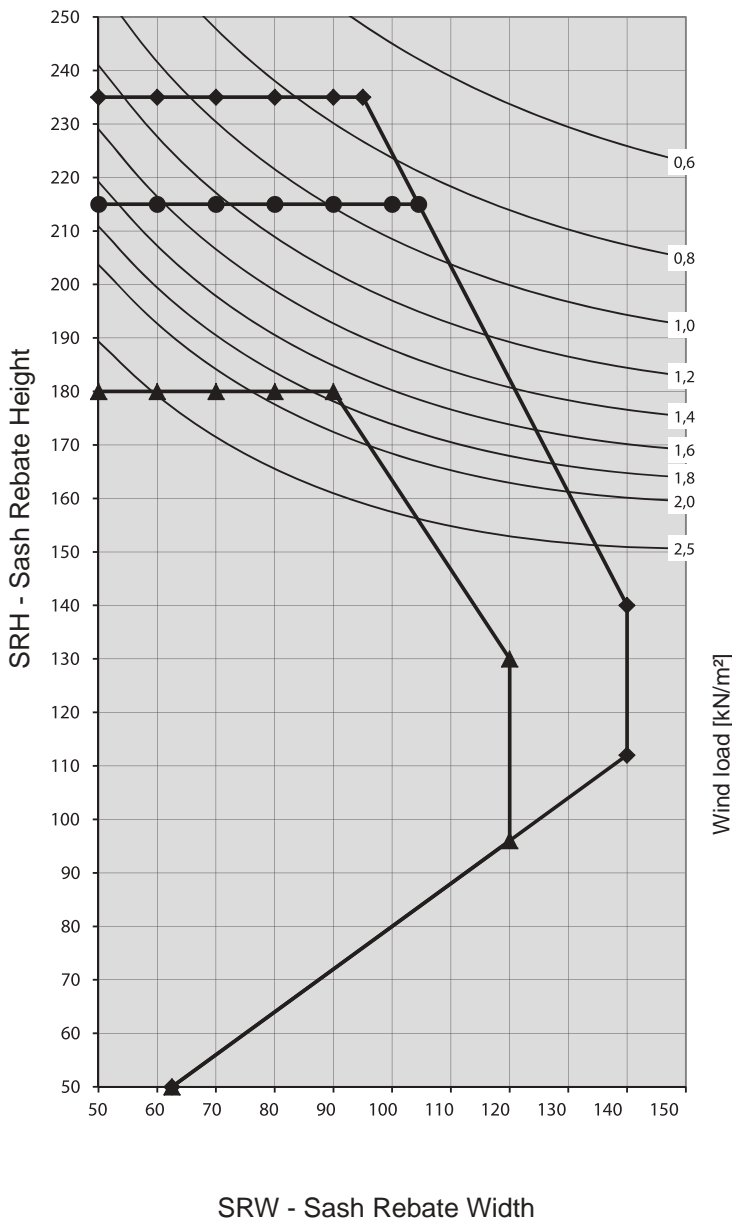
SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

 **Aluminium cover allowed**
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa

 **Aluminium cover not allowed**
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Mullion / Pfosten Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximalne Fereastra cu Montant



76271, 76273	76371	76271, 76273
V303	V320	V303
$I_W = 2,2 \text{ cm}^4$	$I_W = 3,5 \text{ cm}^4$	$I_W = 2,2 \text{ cm}^4$
$I_G = 1,0 \text{ cm}^4$	$I_G = 2,4 \text{ cm}^4$	$I_G = 1,0 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügel diagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru fereastra intr-un singur canat!

SRH - Sash rebate height
Flügelalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

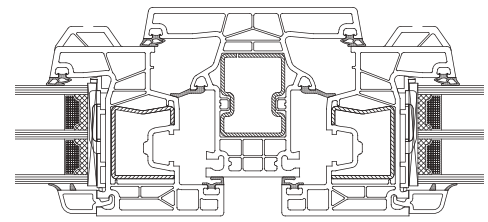
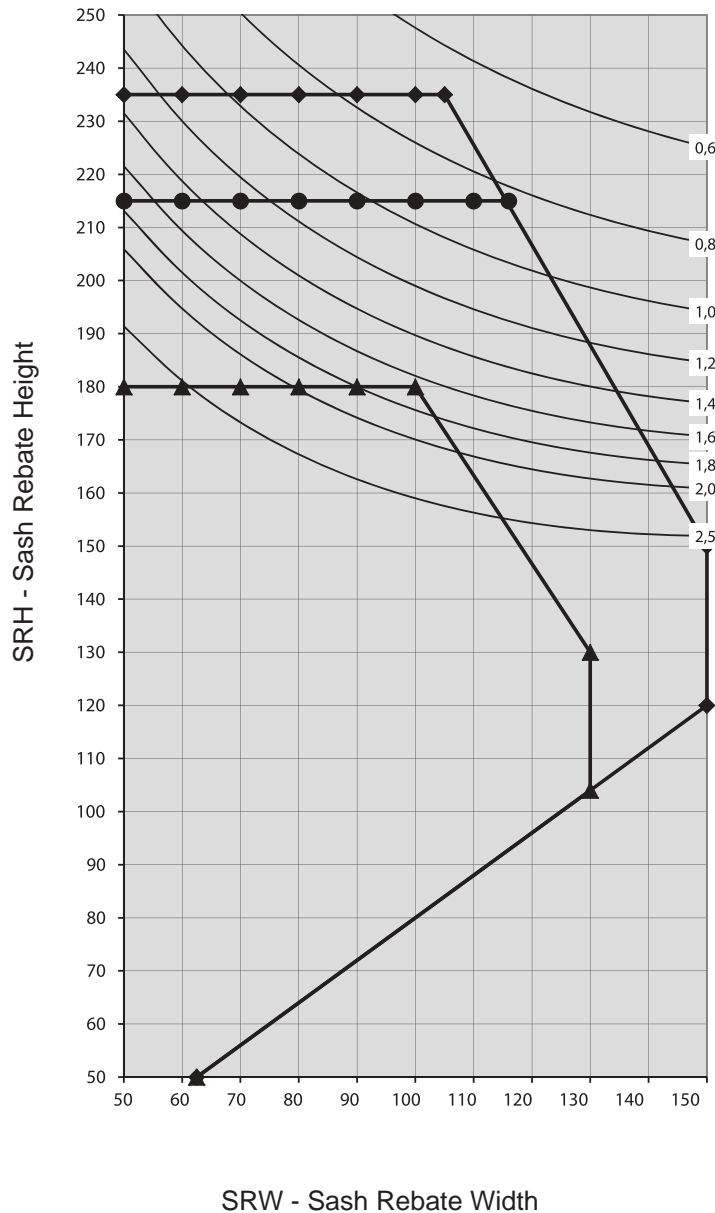


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Moulion / Pfosten Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximala Fereastră cu Montant



Flügelprofil 76271, 76273	Pfostenprofil 76371	Flügelprofil 76271, 76273
V306	V320	V306
$I_w = 2,3 \text{ cm}^4$ $I_g = 1,3 \text{ cm}^4$	$I_w = 3,5 \text{ cm}^4$ $I_g = 2,4 \text{ cm}^4$	$I_w = 2,3 \text{ cm}^4$ $I_g = 1,3 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

Wind load [kN/m²]

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügelprofile zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canat!

SRH - Sash rebate height
Flügelalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

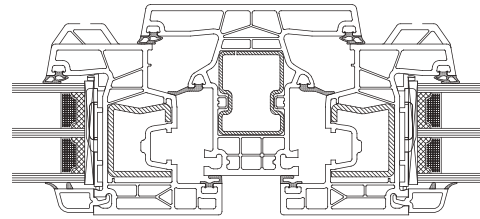
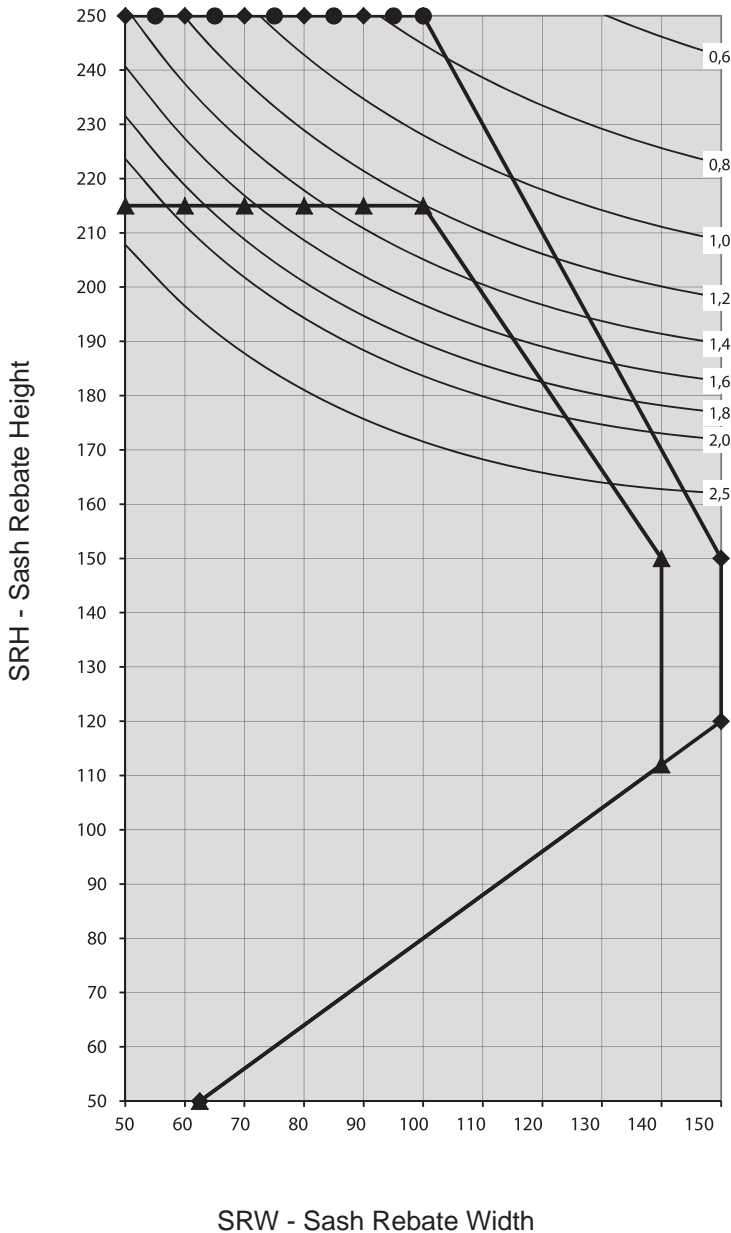


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Moulion / Pfosten Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximala Fereastra cu Montant



76271, 76273	76371	76271, 76273
V308	V320	V308
$I_w = 3,4 \text{ cm}^4$	$I_w = 3,5 \text{ cm}^4$	$I_w = 3,4 \text{ cm}^4$
$I_G = 1,9 \text{ cm}^4$	$I_G = 2,4 \text{ cm}^4$	$I_G = 1,9 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

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Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru fereastra intr-un singur canat!

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

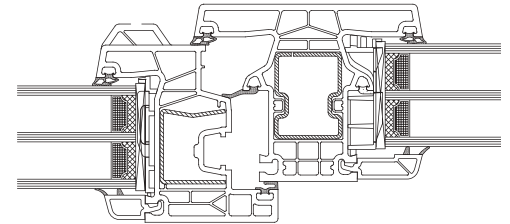
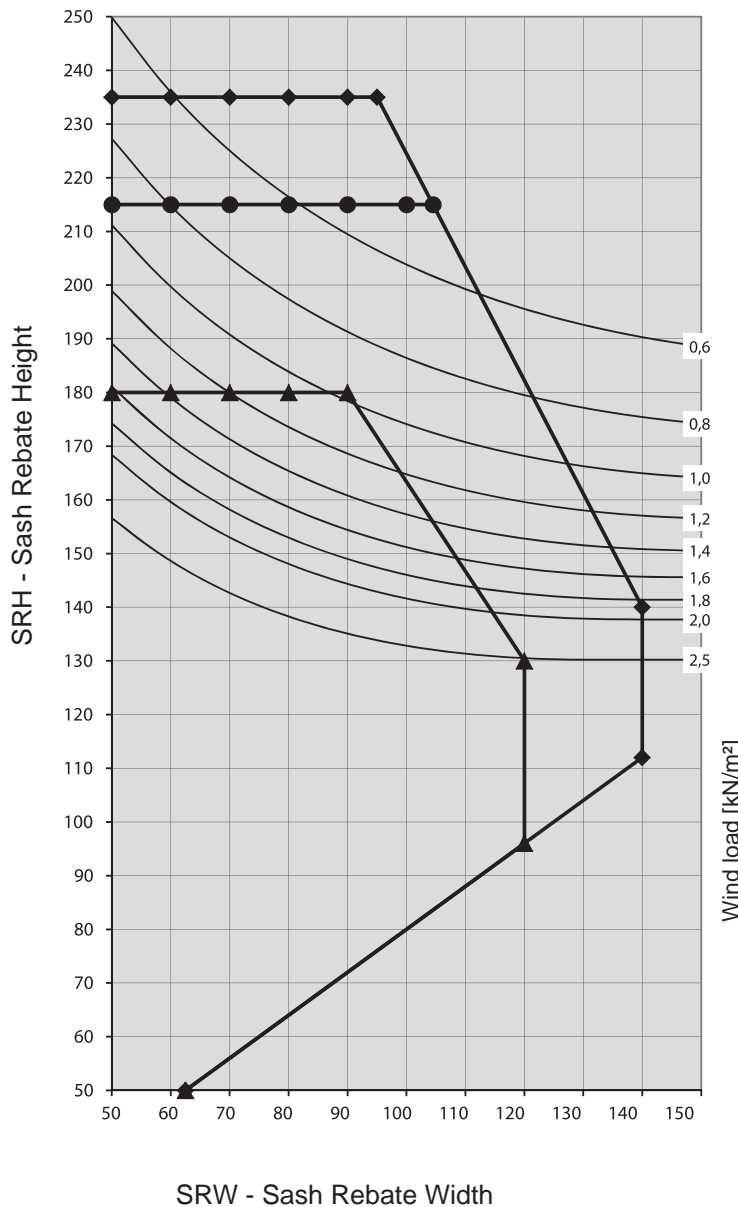


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Moulion / Pfofen Fenster Flügelfrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximala Fereastra cu Montant



76271, 76273	76371
V303	V320
$I_w = 2,2 \text{ cm}^4$	$I_w = 3,5 \text{ cm}^4$
$I_g = 1,0 \text{ cm}^4$	$I_g = 2,4 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru fereastra intr-un singur canal!

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

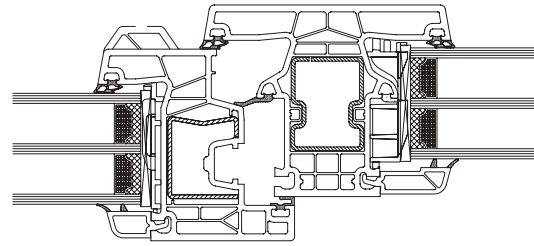
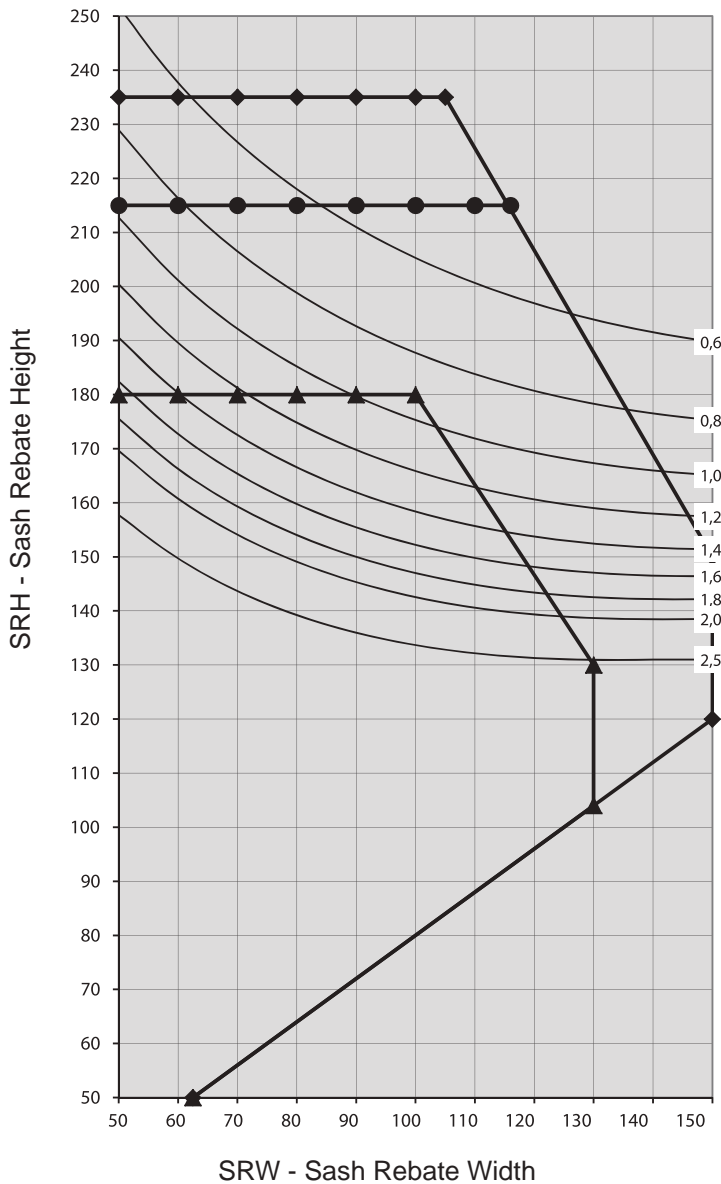


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Mullion / Pfosten Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximalne Fereastra cu Montant



Flügelprofil 76271, 76273 Pfostenprofil 76371

V306

$I_W = 2,3 \text{ cm}^4$
 $I_G = 1,3 \text{ cm}^4$

V320

$I_W = 3,5 \text{ cm}^4$
 $I_G = 2,4 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canal!

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%

Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

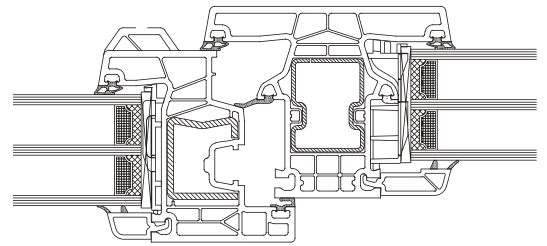
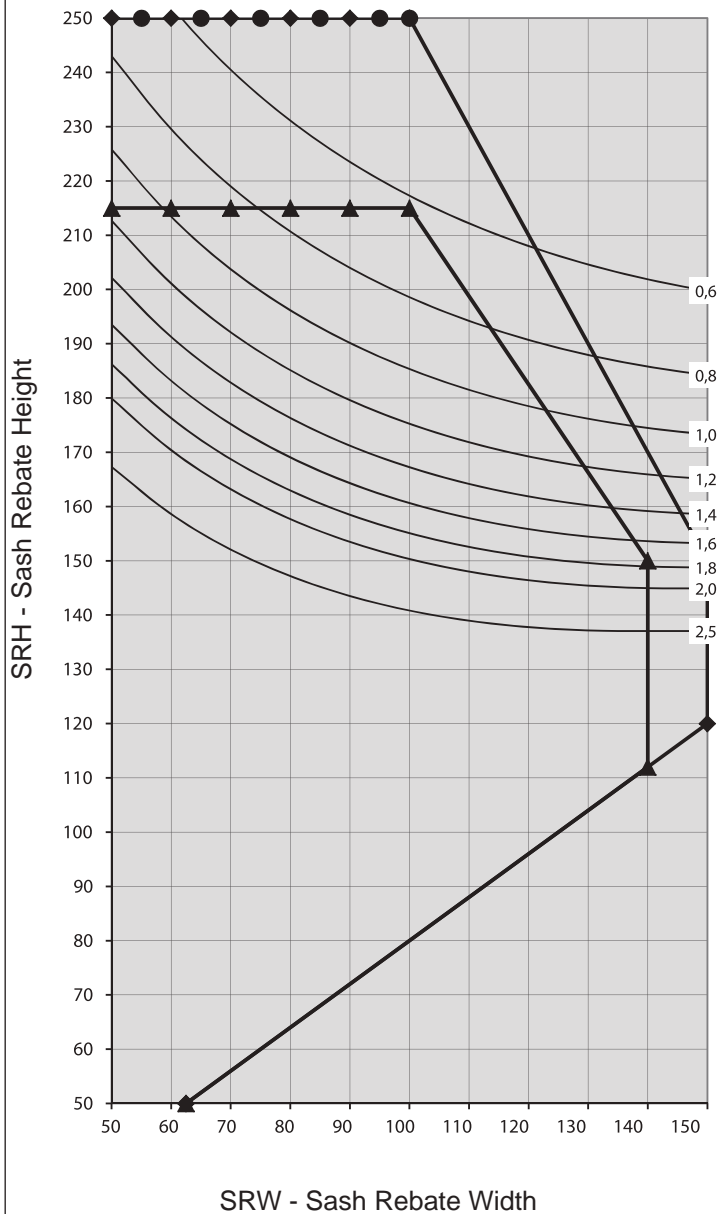


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Moulion / Pfofenster Fluegelgroessen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximala Fereastră cu Montant



76271, 76273 76271, 76273

V308

$$I_w = 3,4 \text{ cm}^4$$

$$I_G = 1,9 \text{ cm}^4$$

V320

$$I_w = 3,5 \text{ cm}^4$$

$$I_G = 2,4 \text{ cm}^4$$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

Wind load [kN/m²]

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügel diagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru fereastră intr-un singur canal!

SRH - Sash rebate height

Flügelalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width

Flügelalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%

Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%



Aluminium cover allowed

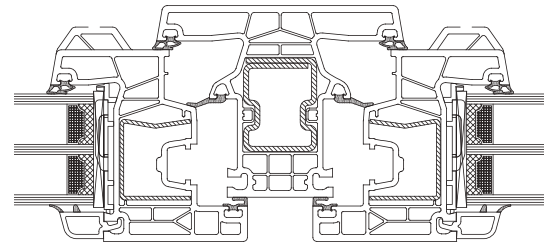
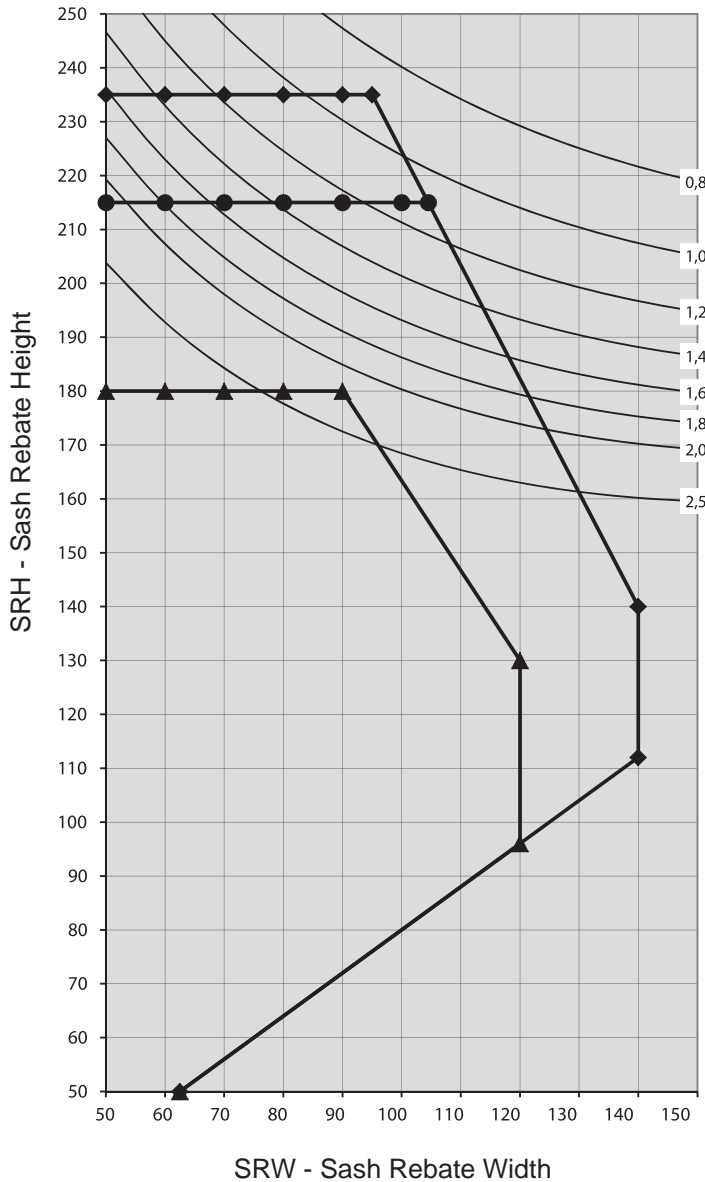
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed

Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Mullion / Pfofen Fenster Fluegelgrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximala Fereastra cu Montant



76271, 76273	76371	76271, 76273
V303	V321	V303
$I_W = 2,2 \text{ cm}^4$	$I_W = 5,5 \text{ cm}^4$	$I_W = 2,2 \text{ cm}^4$
$I_G = 1,0 \text{ cm}^4$	$I_G = 3,1 \text{ cm}^4$	$I_G = 1,0 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügelprofile zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canat!

SRH - Sash rebate height
Flügelalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

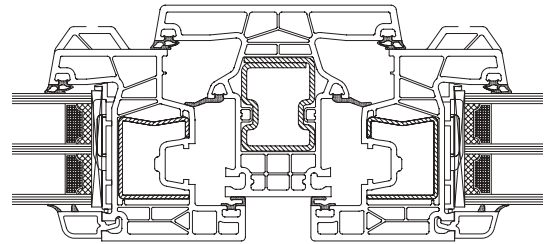
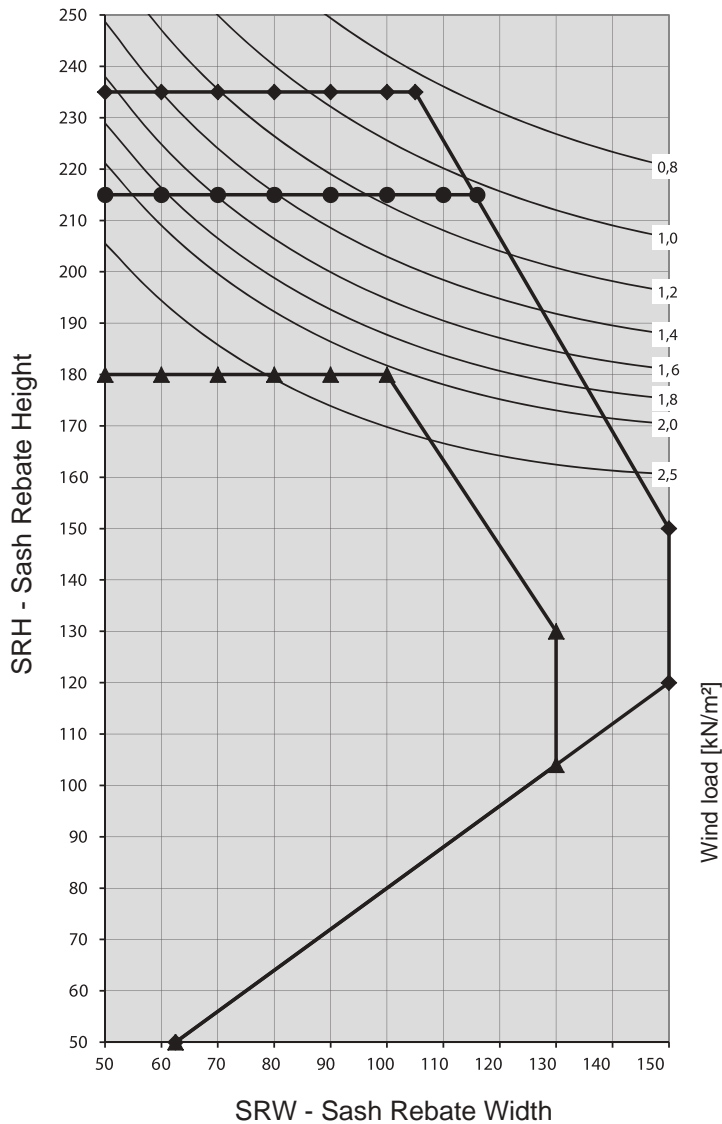


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Mullion / Pfofen Fenster Fluegelgrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensioni Maximali Fereastra cu Montant



Flügelprofil	Pfofenprofil	Flügelprofil
76271, 76273	76371	76271, 76273
V306	V321	V306
$I_W = 2,3 \text{ cm}^4$	$I_W = 5,5 \text{ cm}^4$	$I_W = 2,3 \text{ cm}^4$
$I_G = 1,3 \text{ cm}^4$	$I_G = 3,1 \text{ cm}^4$	$I_G = 1,3 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügelprofile zusätzlich zu berücksichtigen!

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Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru fereastra intr-un singur canal!

SRH - Sash rebate height
Flügelalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

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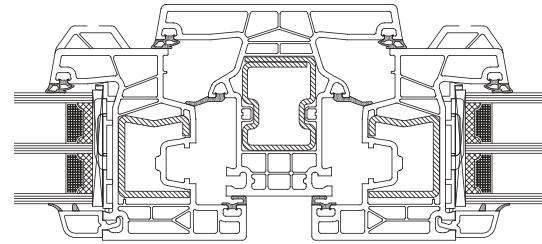
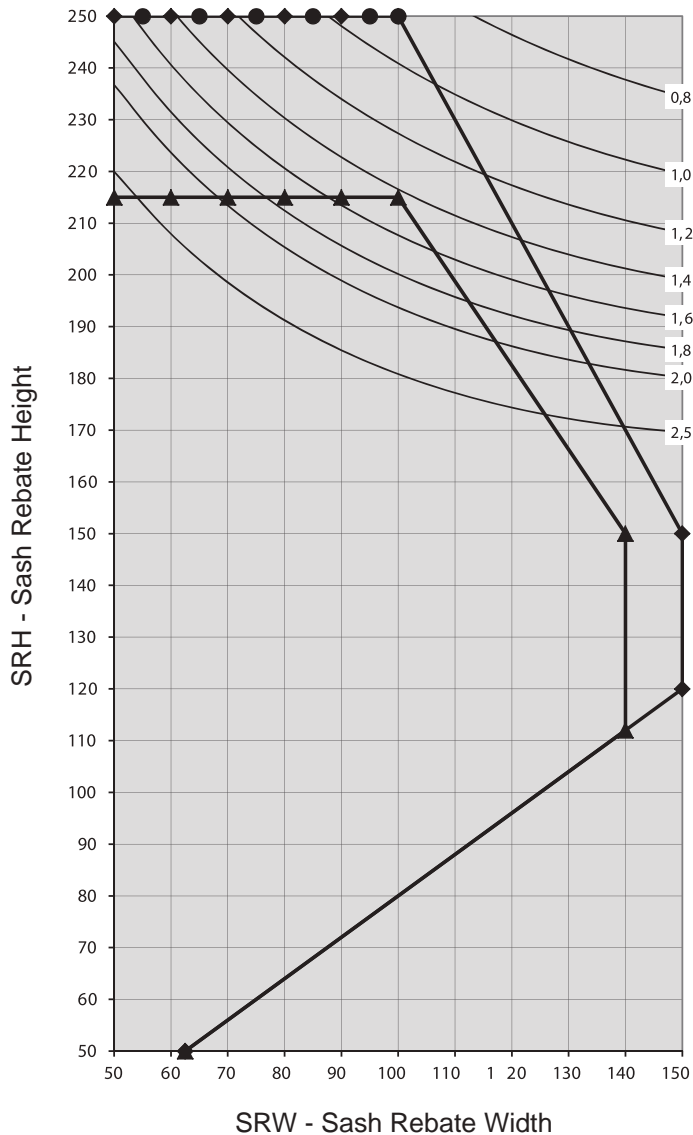


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Mullion / Pfofen Fenster Flugelgrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximala Fereastră cu Montant



76271, 76273	76371	76271, 76273
V308	V321	V308
$I_W = 3,4 \text{ cm}^4$	$I_W = 5,5 \text{ cm}^4$	$I_W = 3,4 \text{ cm}^4$
$I_G = 1,9 \text{ cm}^4$	$I_G = 3,1 \text{ cm}^4$	$I_G = 1,9 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

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Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

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SRH - Sash rebate height
Flügelalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%

Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

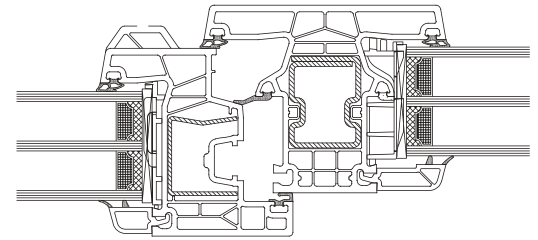
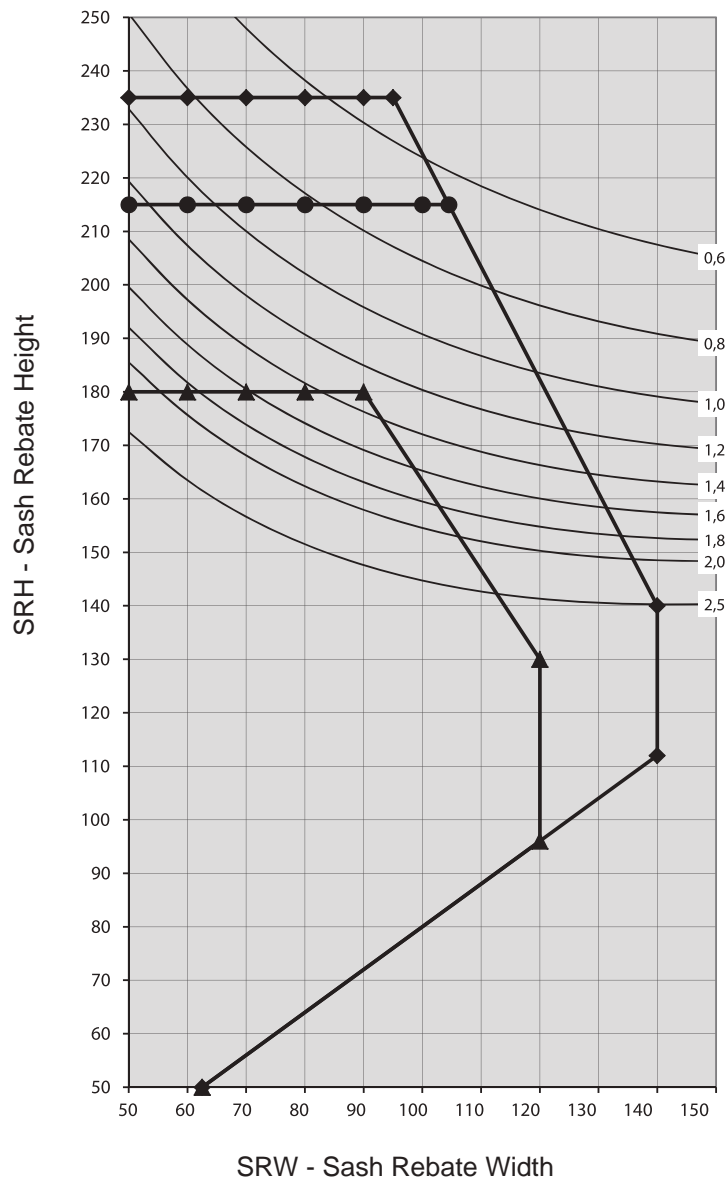


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Moulion / Pfosten Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximalre Fereastră cu Montant



76271, 76273 76371

V303

$I_W = 2,2 \text{ cm}^4$
 $I_G = 1,0 \text{ cm}^4$

V321

$I_W = 5,5 \text{ cm}^4$
 $I_G = 3,1 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

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Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

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Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canat!

SRH - Sash rebate height
Flügelfalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelfalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
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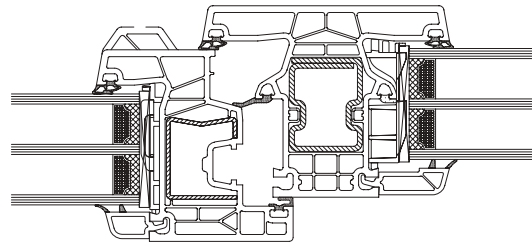
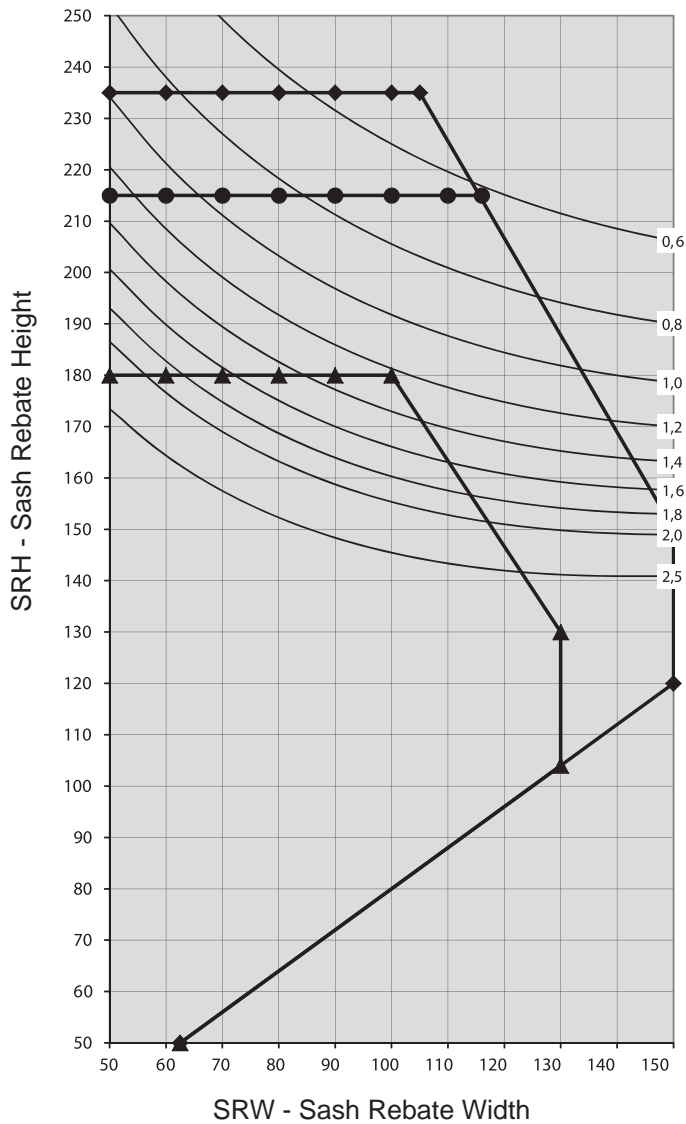


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Mullion / Pfofen Fenster Flugelgrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximalre Fereastră cu Montant



Flügelprofil 76271, 76273 Pfofenprofil 76371

V306 V321

$I_W = 2,3 \text{ cm}^4$
 $I_G = 1,3 \text{ cm}^4$

$I_W = 5,5 \text{ cm}^4$
 $I_G = 3,1 \text{ cm}^4$

Wind load [kN/m²]

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canat!

SRH - Sash rebate height
Flügelalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%

Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.

La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%

Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

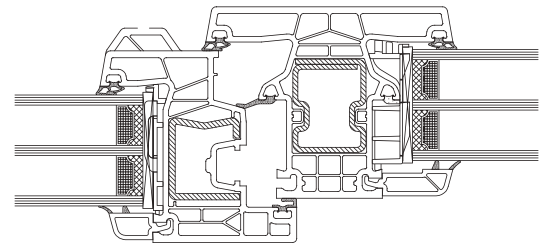
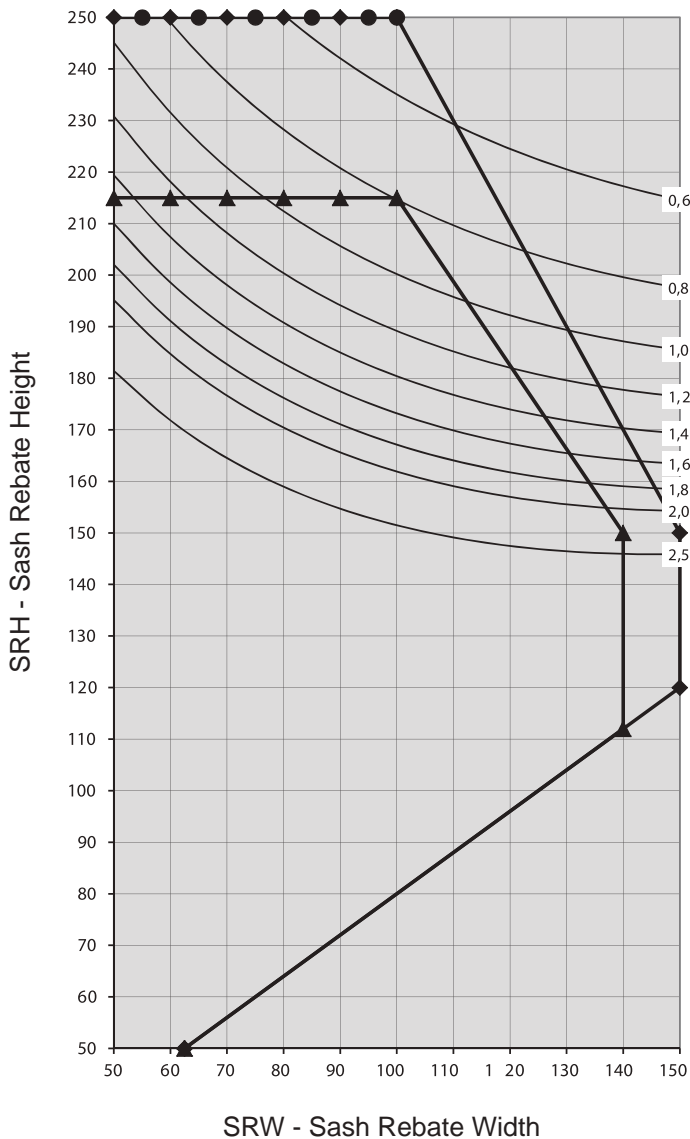


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Mullion / Pfosten Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximalne Fereastră cu Montant



76271, 76273	76371
V308	V321
$I_w = 3,4 \text{ cm}^4$	$I_w = 5,5 \text{ cm}^4$
$I_G = 1,9 \text{ cm}^4$	$I_G = 3,1 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canal!

SRH - Sash rebate height
Flügelalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelalzhöhe
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

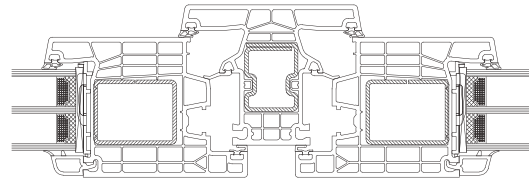
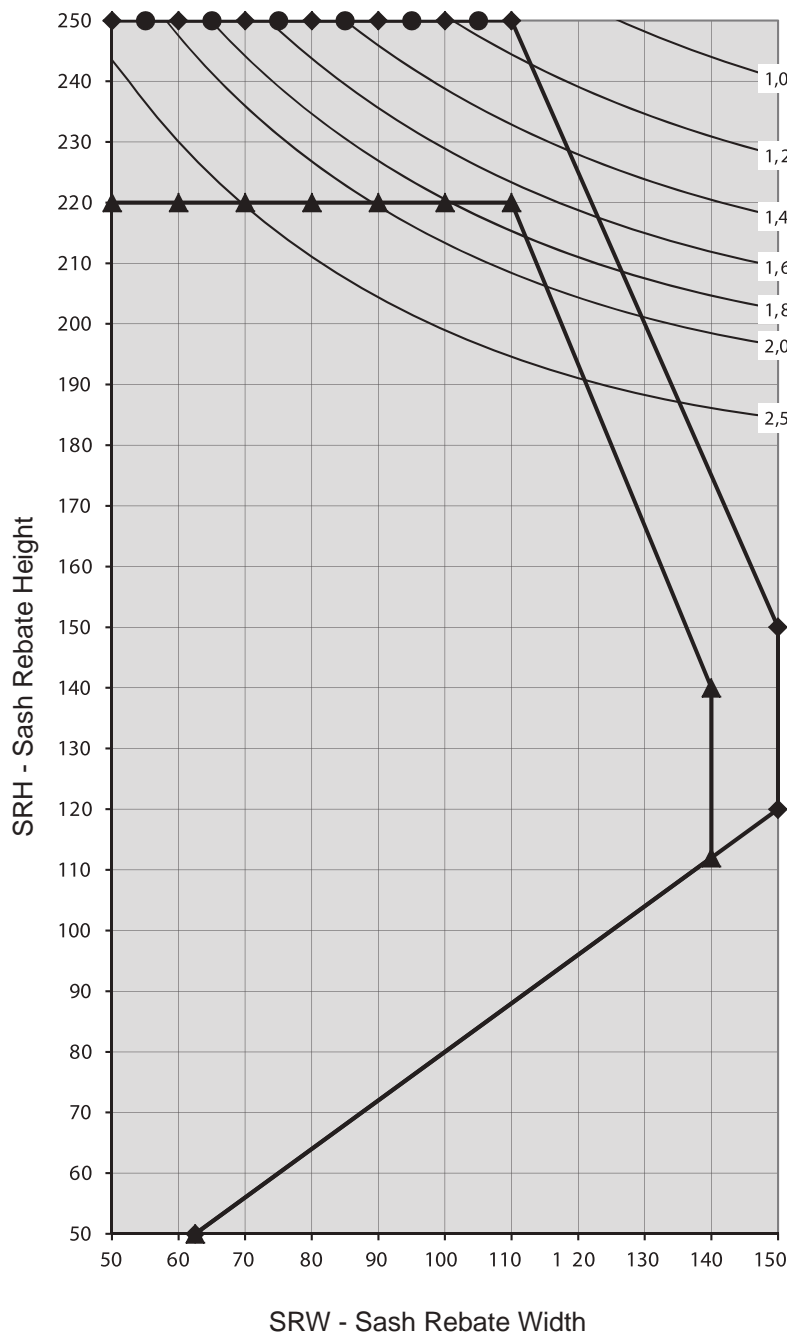


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Moulion / Pfosten Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximalre Fereastra cu Montant



76272 V314 $I_w = 5.7 \text{ cm}^4$ $I_G = 8.4 \text{ cm}^4$	76371 V321 $I_w = 5.5 \text{ cm}^4$ $I_G = 3.1 \text{ cm}^4$	76272 V314 $I_w = 5.7 \text{ cm}^4$ $I_G = 8.4 \text{ cm}^4$
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- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

Wind load [kN/m²]

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügel diagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru ferestra intr-un singur canat!

SRH - Sash rebate height
Flügelalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%

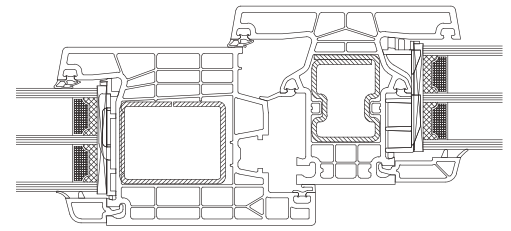
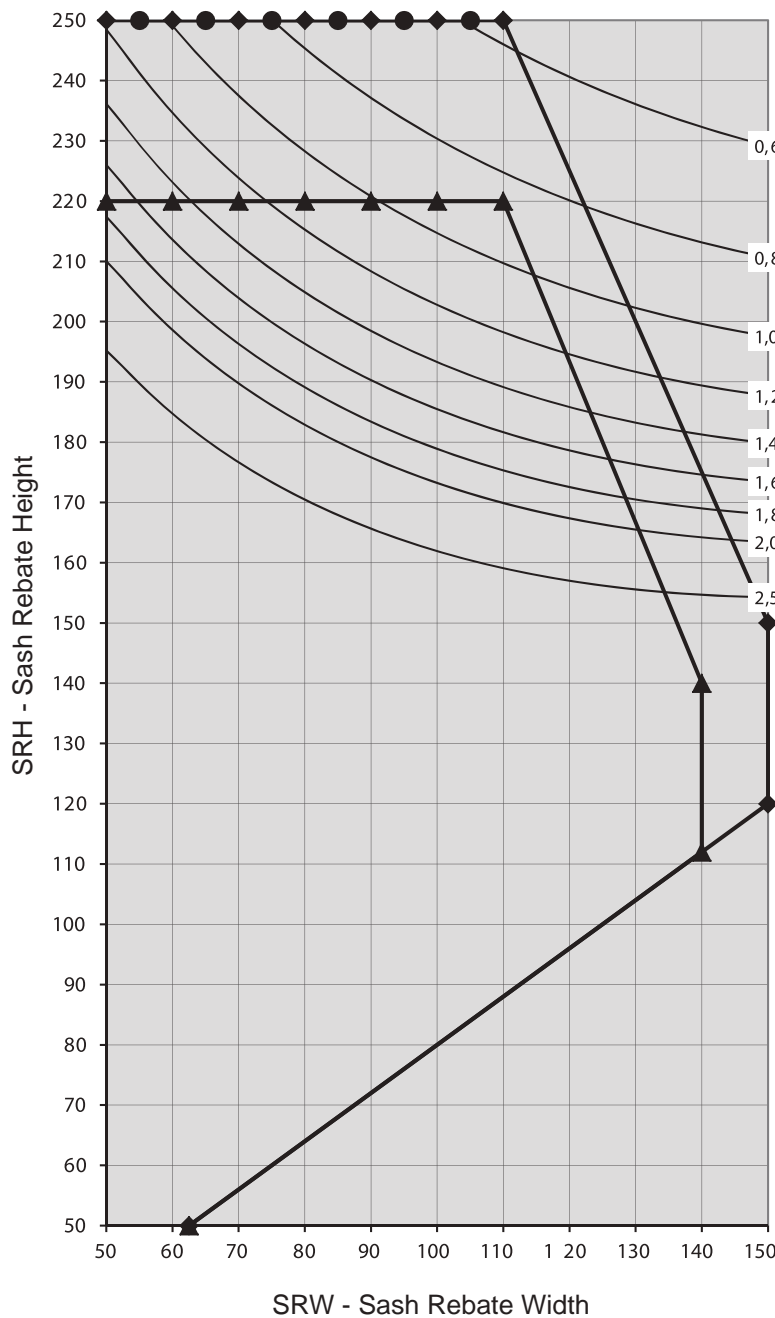


Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa



Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

Maximum Size Window with Moulion / Pfosten Fenster Flügelgrößen Diagramme / Campi d'applicazione Anta Finestra con montante / Dimensiuni Maximali Fereastră cu Montant



76272	76371
V314	V321
$I_W = 5,7 \text{ cm}^4$	$I_W = 5,5 \text{ cm}^4$
$I_G = 8,4 \text{ cm}^4$	$I_G = 3,1 \text{ cm}^4$

- ◆ White Profiles
- IR - Reflex - Color Profiles
- ▲ Standard - Color Profiles

Wind load [kN/m²]

When the total glass thickness exceeds 8 mm the specifications on the single sash diagrams must be considered in addition!

Bei einer Gesamtglasdicke von mehr als 8 mm sind die Vorgaben der Einzel-Flügeldiagramme zusätzlich zu berücksichtigen!

Con spessori vetro superiori a 8 mm devono essere rispettate anche le indicazioni dei singoli diagrammi!

Pentru geamuri cu grosime cumulata a sticlei mai mare de 8 mm este necesara consultarea suplimentara a graficelor de statica pentru fereastră într-un singur canat!

SRH - Sash rebate height
Flügelalzhöhe
Altezza battente in battuta
Înălțimea falțului cercevelei

SRW - Sash rebate width
Flügelalzbreite
Larghezza battente in battuta
Lățimea falțului cercevelei

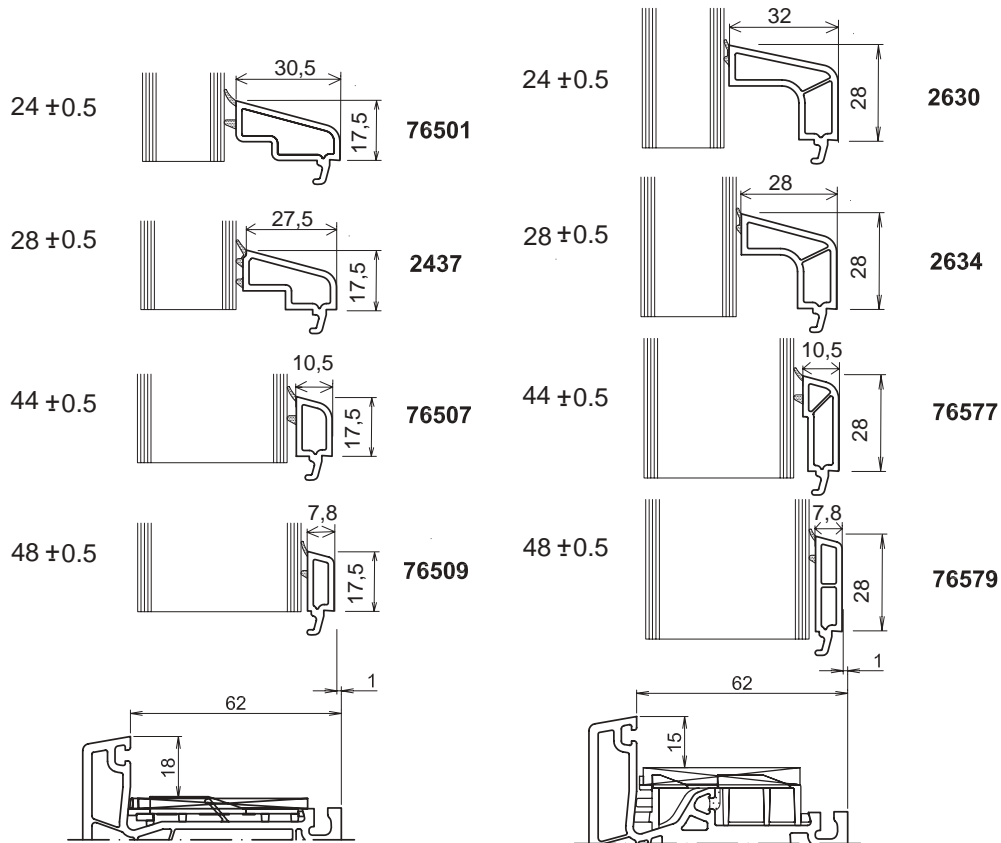
The sash width must not be greater than the sash height by more than 25%
Die Flügelbreite darf die Flügelhöhe um nicht um mehr als 25% überschreiten.
La larghezza dell'anta non deve superare l'altezza della medesima di oltre il 25%
Lățimea cercevelei nu trebuie să depășească înălțimea acesteia cu mai mult de 25%



















Aluminium cover allowed
Alu-Schale zugelassen
Rivestimento in alluminio permesso
Placare cu aluminiu permisa

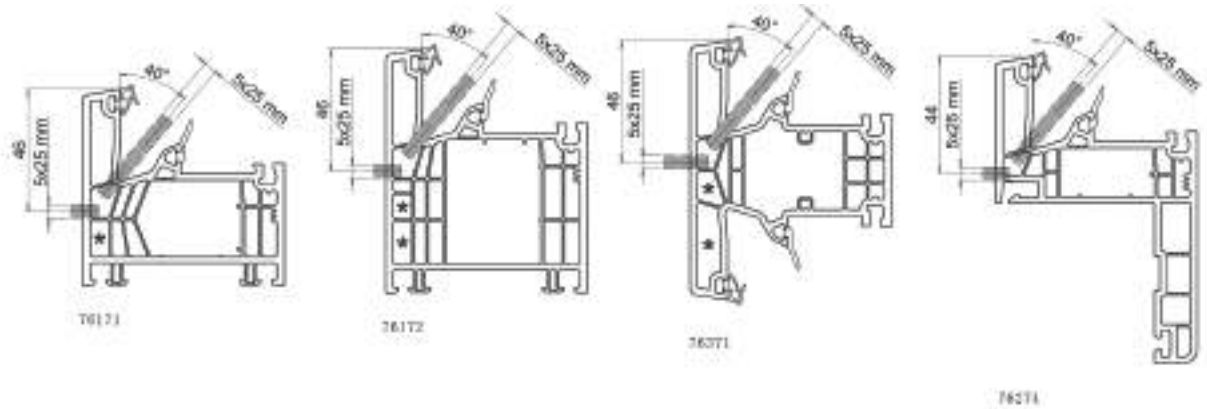


Aluminium cover not allowed
Alu-Schale nicht zulässig
Rivestimento in alluminio non permesso
Placare cu aluminiu nepermisa

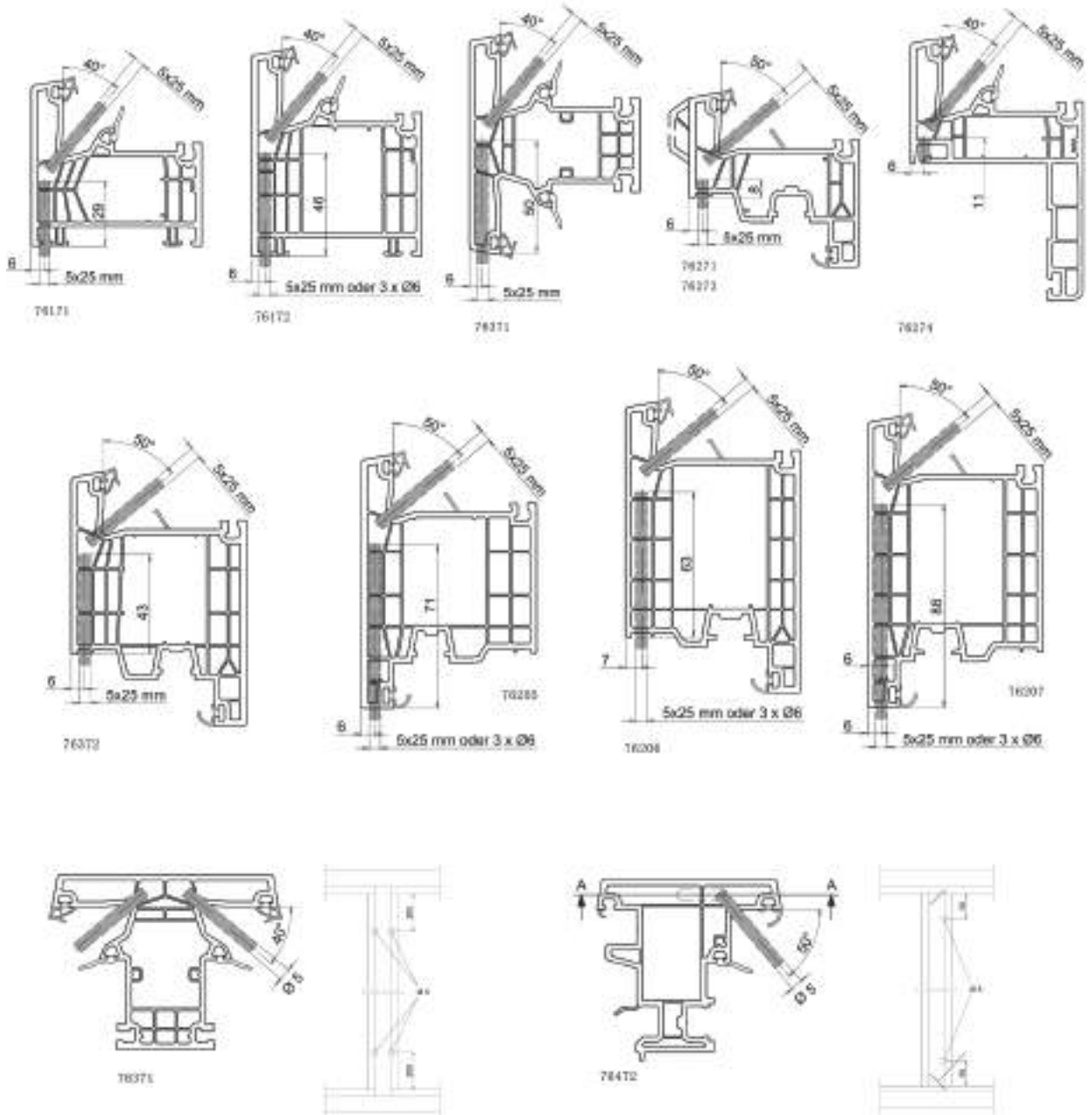
Glazing Beads / Glasleiste / Fermavetri / Baghete de fixare geam


Profile	Glass / Glas / Vetro / Sticlă	Glazing bead / Glasleiste Fermavetro / Baghetă	Gasket / Dichtung Guarnizione / Garnitură		
Sash 76271, 76273, 76270, 76205, 76206, 76207	 24 mm	 76501	black or gray		
	 28 mm	 2437			
	 44 mm	 76507			
	 48 mm	 76509			
Frame 76171, 76172, 76174	 24 mm	 2630		black or gray	
	 28 mm	 2634			
	Mullion 76371	 44 mm			 76577
		 48 mm			 76579

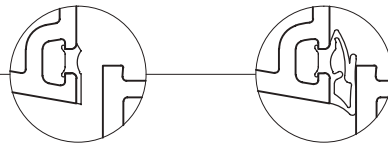
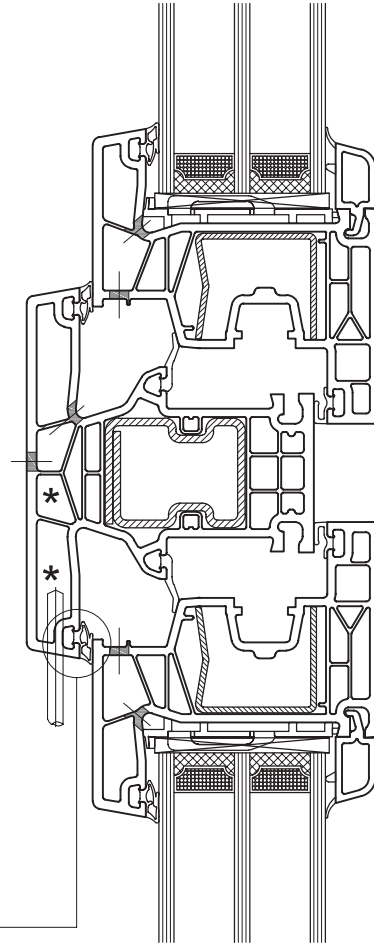
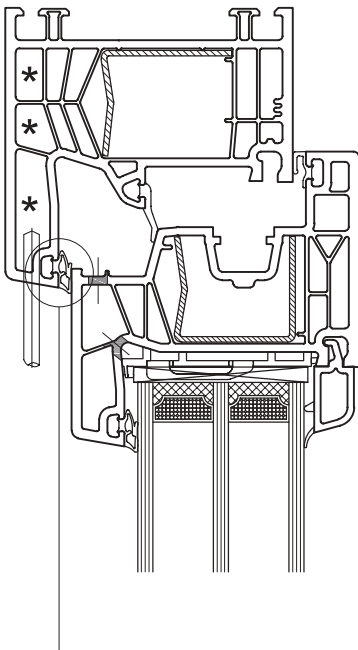
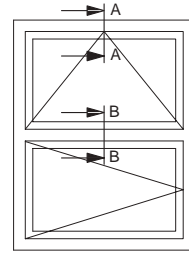
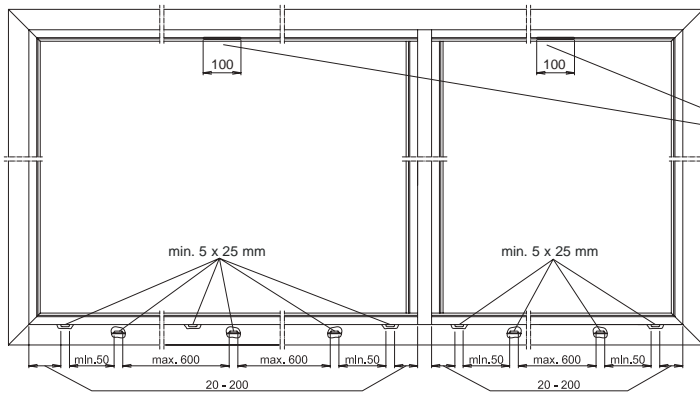
Drainage / Entwässerung / Drenaggio / Drenajul
Front drainage / Entwässerung nach vorne / Drenaggio frontale / Drenaj frontal



Hidden drainage / Entwässerung nach unten / Drenaggio nascosto / Drenaj inferior



Ventilation / Entlüftung / Ventilazione / Ventilarea

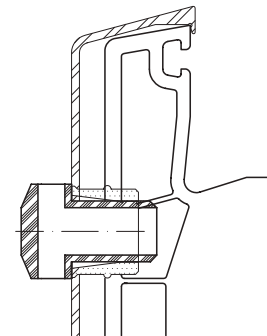
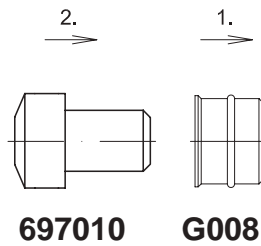


*** The antechamber must be ventilated if heat is to be prevented from accumulating in non-white profiles.**

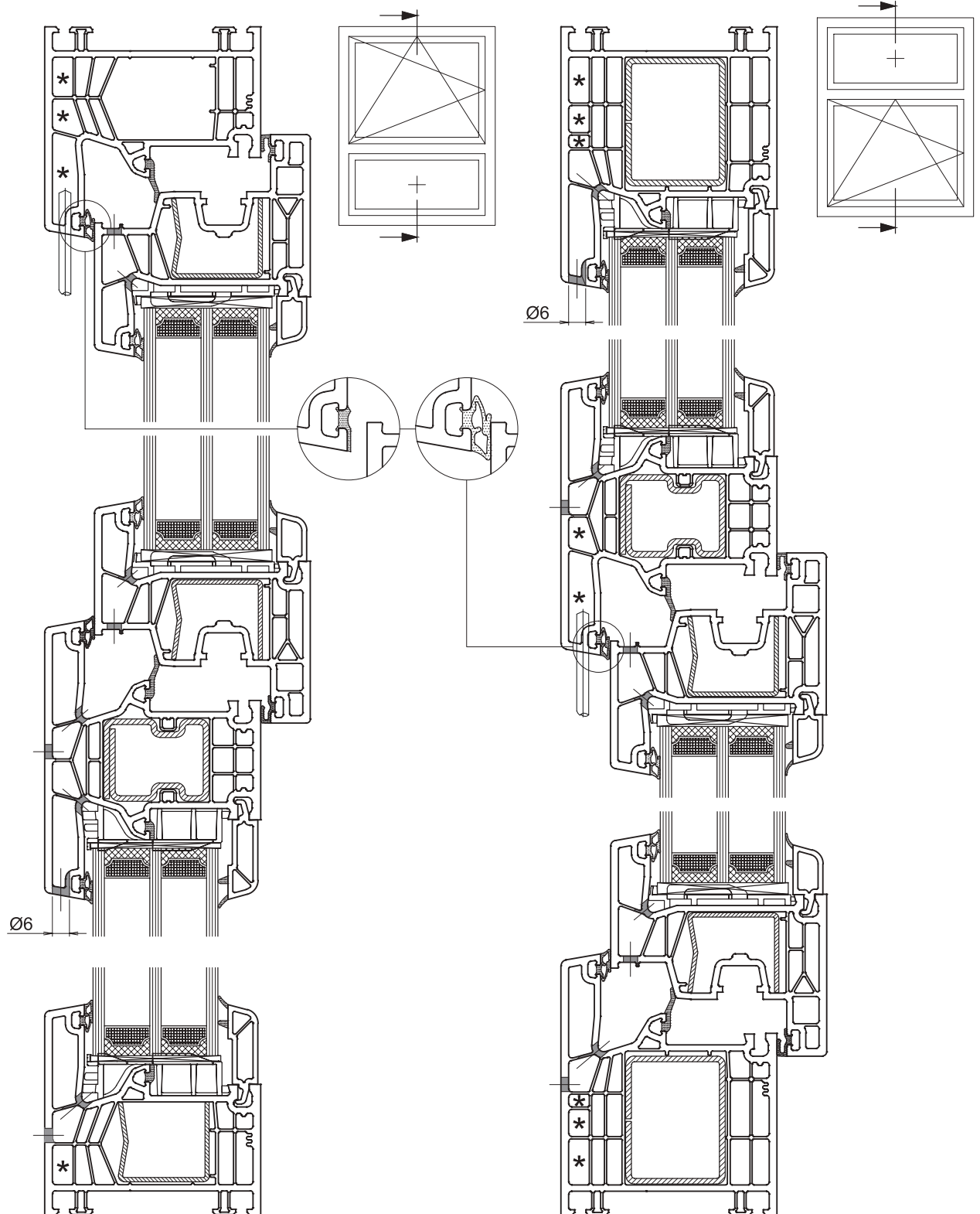
* Um einen Hitzestau zu vermeiden, belüften Sie bei nicht weißen Profilen die Vorkammern.

* Per evitare un ristagno di calore la precamera dei profili non bianchi deve essere ventilata

* Pentru a evita acumularea de caldura, precamerele profilelor non-albe trebuiesc ventilate.



Ventilation / Entlüftung / Ventilazione / Ventilarea



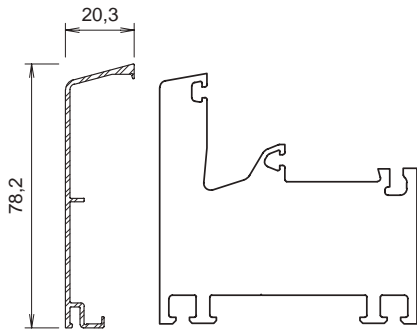
*** The antechamber must be ventilated if heat is to be prevented from accumulating in non-white profiles.**

* Um einen Hitzestau zu vermeiden, belüften Sie bei nicht weißen rofilen die Vorkammern.

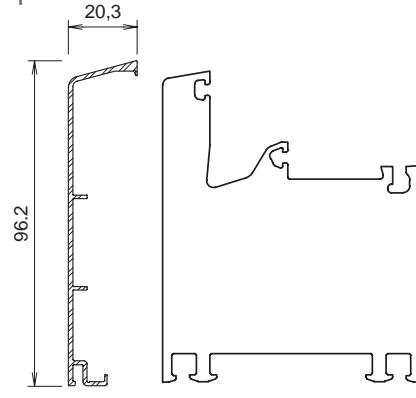
* Per evitare un ristagno di calore la precamera dei profili non bianchi deve essere ventilata

* Pentru a evita acumulara de caldura, precamerele profilelor non-albe trebuiesc ventilate.

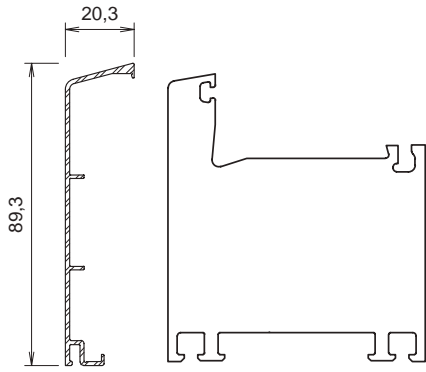
Main profiles / Hauptprofil / Profili base / Profile principale



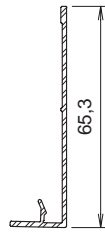
A033 76171



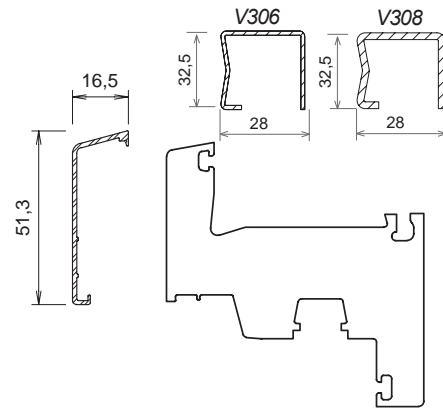
A034 76172



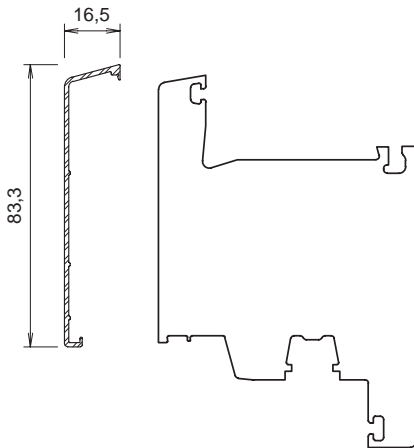
A031 76102



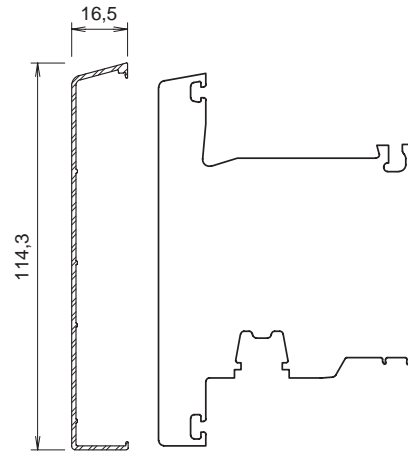
A073



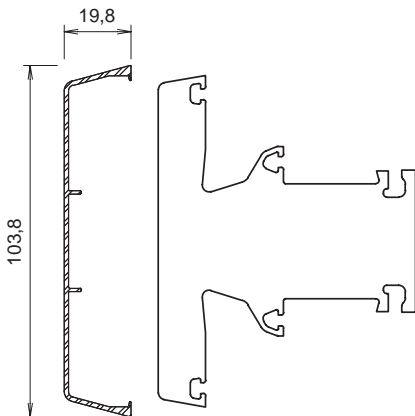
A043 76271



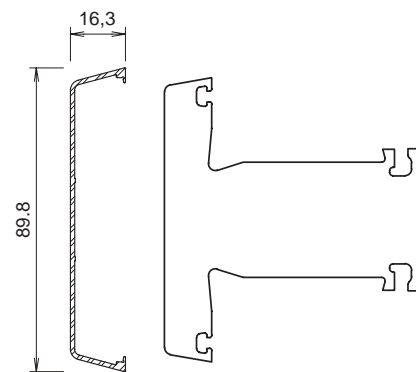
A044 76272



A039 76205

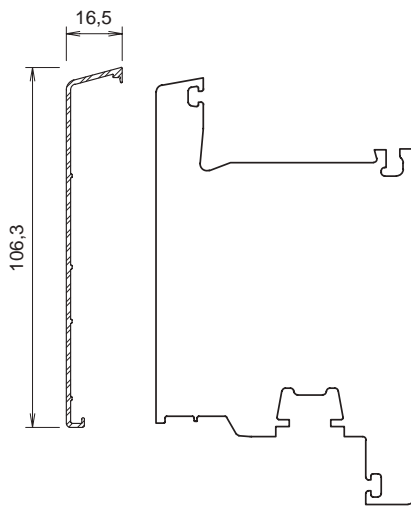


A048 76371

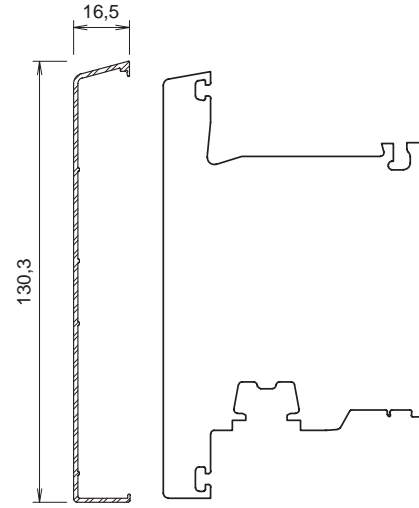


A069 76301

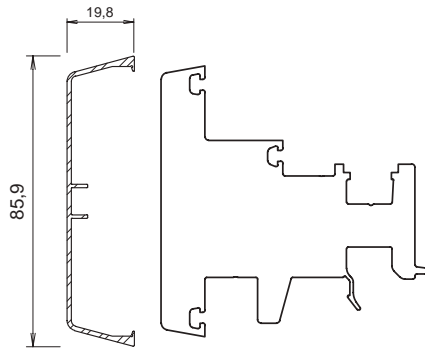
Main profiles / Hauptprofil / Profili base / Profile principale



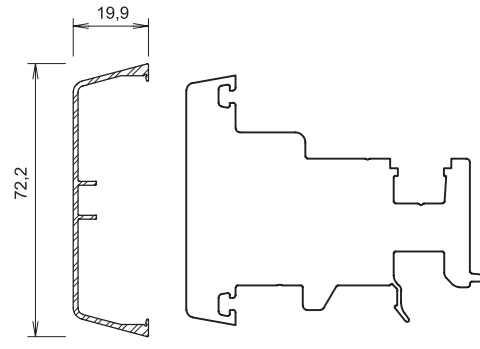
A040 76206



A041 76207

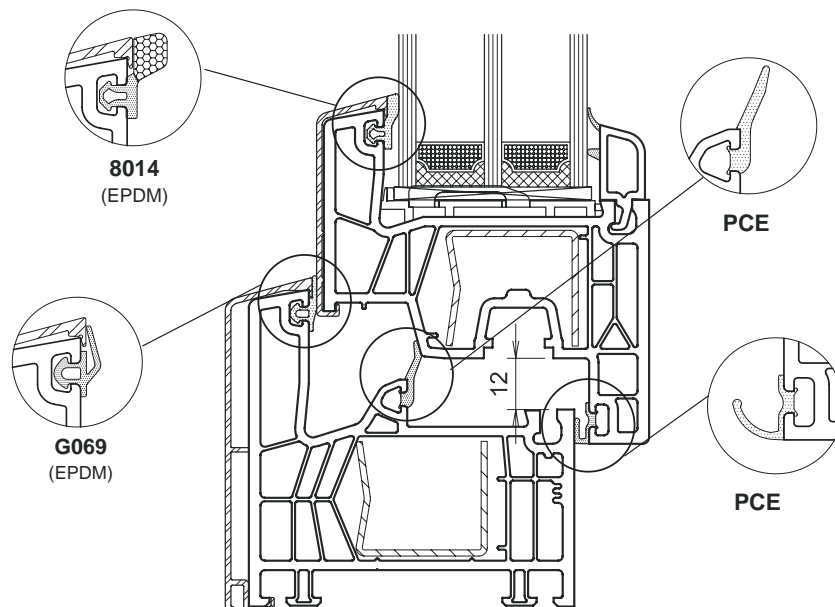


A052 76472

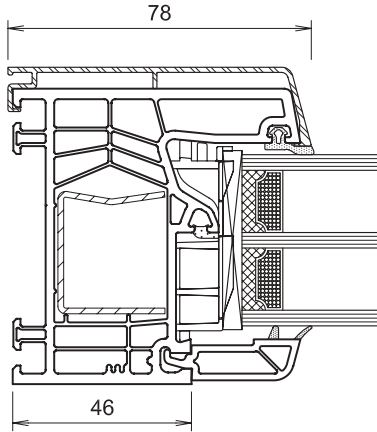
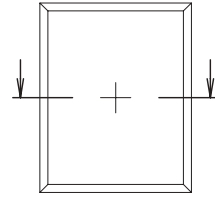


A050 76402

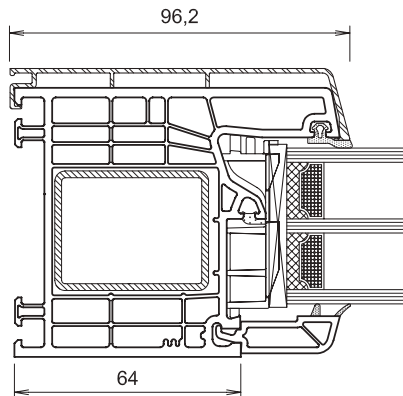
Gasket / Dichtung / Guarnizione / Garnitură



Fixed light / Festfeld / Fisso / Fix

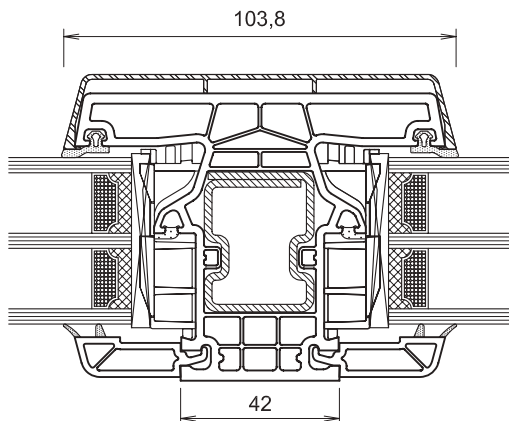
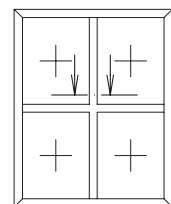


Frame	76171	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
Steel	V303 32,5x28 t=2 mm	
or		
Steel	V300 32,5x28 t=1,5 mm	$I_x=0,7 \text{ cm}^4$ $I_y=1,0 \text{ cm}^4$
Aluclip	A033	

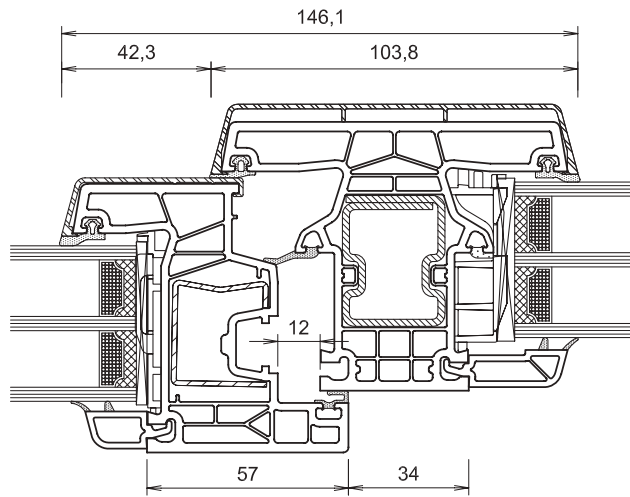


Frame	76172	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	
Aluclip	A034	

Fixed light with transom / Festfeld Pfosten / Fisso con montate / Fix cu montant

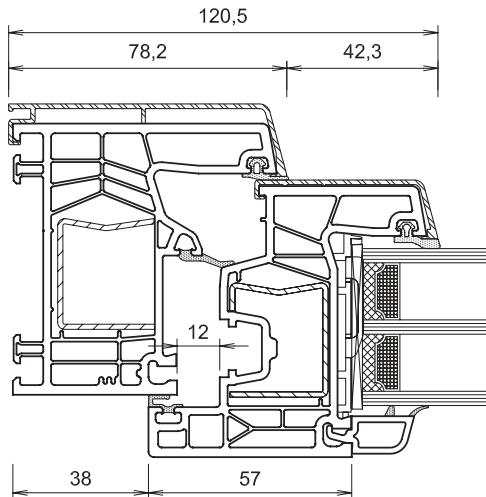
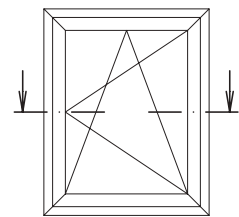


Transom	76371	$I_x=3,1 \text{ cm}^4$ $I_y=5,5 \text{ cm}^4$
Steel	V321 37x29 t=2 mm	
or		
Steel	V320 37x29 t=1,5 mm	$I_x=2,4 \text{ cm}^4$ $I_y=3,5 \text{ cm}^4$
Aluclip	A048	

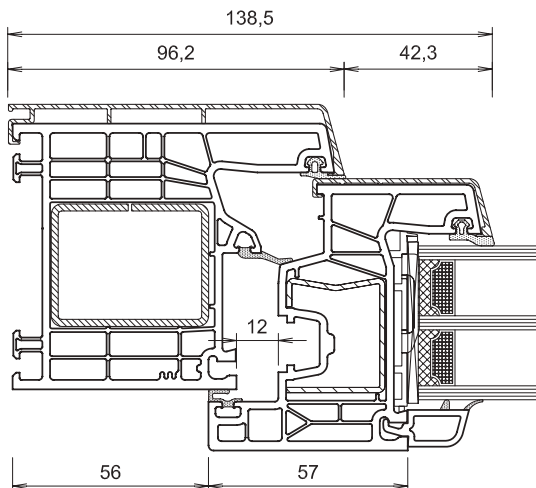


Transom	76371	$I_x=3,1 \text{ cm}^4$ $I_y=5,5 \text{ cm}^4$
Steel	V321 37x29 t=2 mm	
Aluclip	A048	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
Sash	76271	
Steel	V306 32,5x28x6 t=1,5 mm	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$
or		
Steel	V308 32,5x28 t=2,5 mm	
Aluclip	A043	

**Frame - Sash / Blendrahmen - Flügel /
Telaio - Anta / Toc - Cercevea**

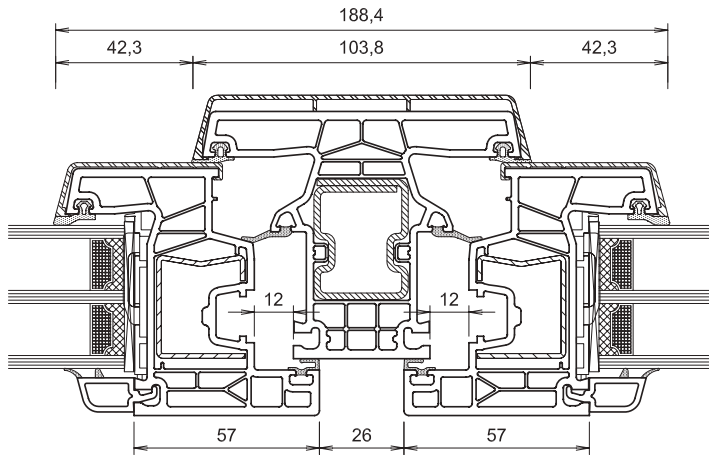
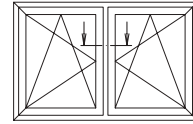


Frame	76171	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
Steel	V303 32,5x28 t=2 mm	
Aluclip	A033	$I_x=1,3 \text{ cm}^4$ $I_y=2,3 \text{ cm}^4$
Sash	76271	
Steel	V306 32,5x28x6 t=1.5 mm	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$
or		
Steel	V308 32,5x28 t=2,5 mm	
Aluclip	A043	

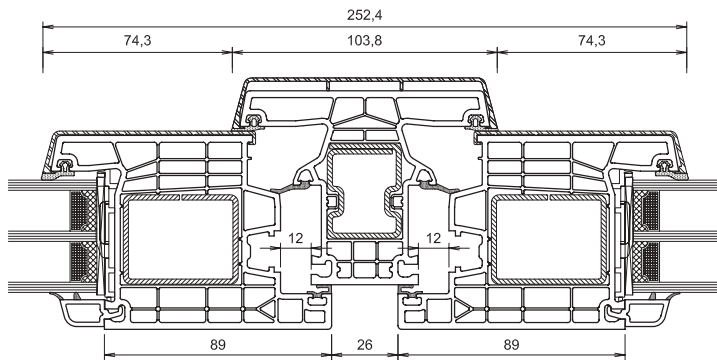


Frame	76172	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	
Aluclip	A034	$I_x=1,3 \text{ cm}^4$ $I_y=2,3 \text{ cm}^4$
Sash	76271	
Steel	V306 32,5x28x6 t=1.5 mm	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$
or		
Steel	V308 32,5x28 t=2,5 mm	
Aluclip	A043	

**Sash - Transom - Sash / Flügel Pfosten Flügel /
Anta - Montante Anta / Cercevea - Montant - Cercevea**

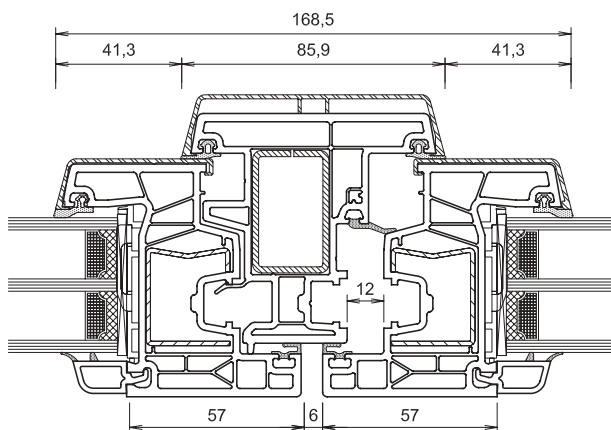
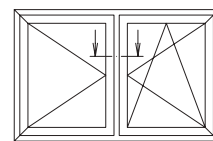


Sash	76271	
Steel	V306	$I_x=1,3 \text{ cm}^4$ $I_y=2,3 \text{ cm}^4$
	32,5x28x6	
	t=1.5 mm	
or		
Steel	V308	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$
	32,5x28	
	t=2,5 mm	
Aluclip	A043	
Transom	76371	
Steel	V321	$I_x=3,1 \text{ cm}^4$ $I_y=5,5 \text{ cm}^4$
	37x29	
	t=2 mm	
Aluclip	A048	
Sash	76271	
Steel	V306	$I_x=1,3 \text{ cm}^4$ $I_y=2,3 \text{ cm}^4$
	32,5x28x6	
	t=1.5 mm	
or		
Steel	V308	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$
	32,5x28	
	t=2,5 mm	
Aluclip	A043	

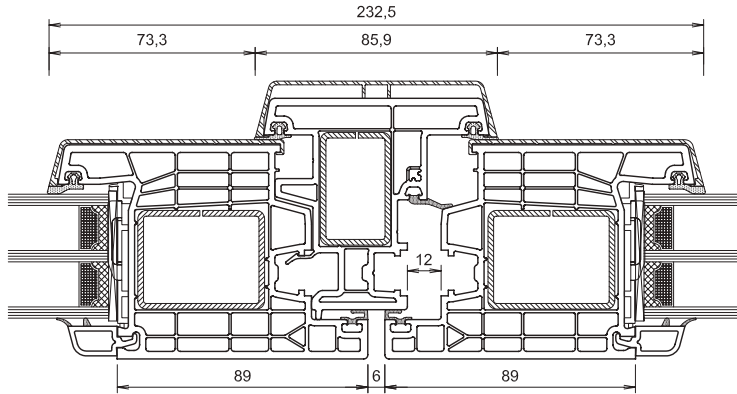


Sash	76272	
Steel	V314	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
	45x35	
	t=2 mm	
Aluclip	A044	
Transom	76371	
Steel	V321	$I_x=3,1 \text{ cm}^4$ $I_y=5,5 \text{ cm}^4$
	37x29	
	t=2 mm	
Aluclip	A048	
Sash	76272	
Steel	V314	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
	45x35	
	t=2 mm	
Aluclip	A044	

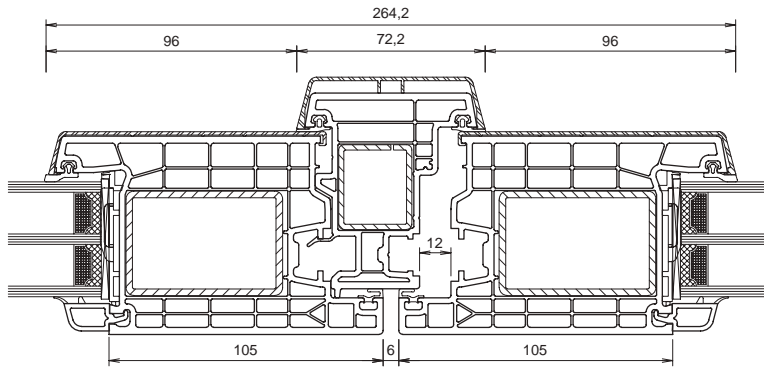
**Sash - Floating Mullion - Sash / Flügel - Stulp - Flügel /
Anta - Profilo Riporto - Anta / Cercevea - Ștulp - Cercevea**



Sash	76271	
Steel	V306	$I_x=1,3 \text{ cm}^4$ $I_y=2,3 \text{ cm}^4$
	32,5x28x6	
	t=1.5 mm	
or		
Steel	V308	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$
	32,5x28	
	t=2,5 mm	
Aluclip	A043	
Floating Mullion	76472	
Steel	V317	$I_x=2,3 \text{ cm}^4$ $I_y=4,8 \text{ cm}^4$
	40x25	
	t=2 mm	
Aluclip	A048	
Sash	76271	
Steel	V306	$I_x=1,3 \text{ cm}^4$ $I_y=2,3 \text{ cm}^4$
	32,5x28x6	
	t=1.5 mm	
or		
Steel	V308	$I_x=1,9 \text{ cm}^4$ $I_y=3,4 \text{ cm}^4$
	32,5x28	
	t=2,5 mm	
Aluclip	A043	

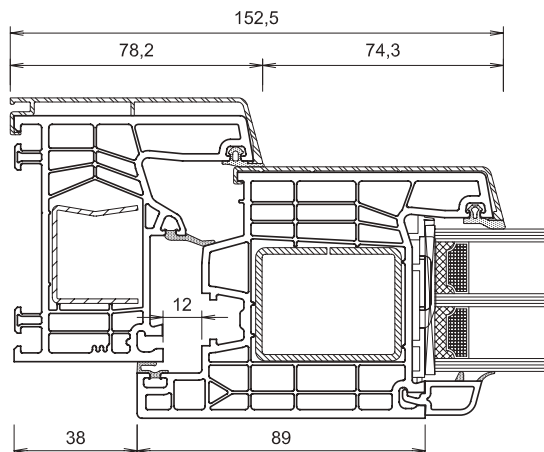


Sash	76272	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	
Aluclip	A044	
Floating Mullion	76472	$I_x=2,3 \text{ cm}^4$ $I_y=4,8 \text{ cm}^4$
Steel	V317 40x25 t=2 mm	
Aluclip	A048	
Sash	76272	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	
Aluclip	A044	

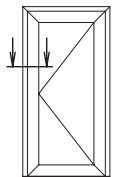


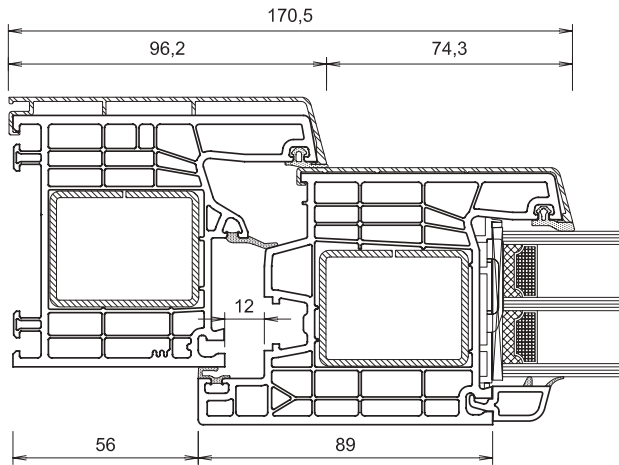
Sash	76206	$I_x=22,8 \text{ cm}^4$ $I_y=12,1 \text{ cm}^4$
Steel	V260 t=	
Aluclip	A040	
Floating Mullion	76402	$I_x=2,5 \text{ cm}^4$ $I_y=3,2 \text{ cm}^4$
Steel	V310 t=2 mm	
Aluclip	A050	
Sash	76206	$I_x=22,8 \text{ cm}^4$ $I_y=12,1 \text{ cm}^4$
Steel	V260 t=	
Aluclip	A040	

Frame - Sash / Blendrahmen Flügel /
Telaio - Anta / Toc - Cercevea

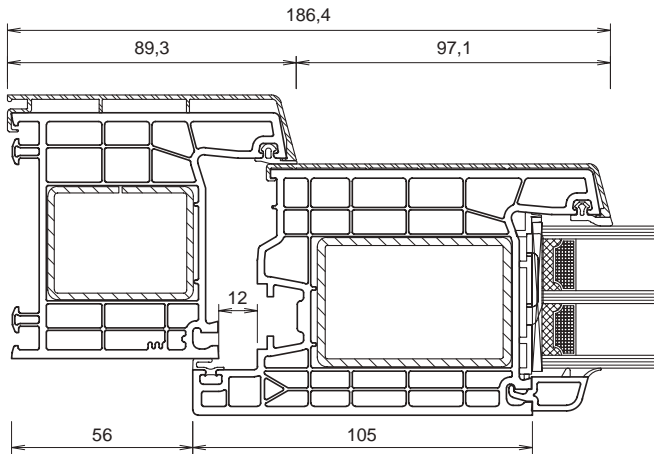


Frame	76171	$I_x=1,0 \text{ cm}^4$ $I_y=2,2 \text{ cm}^4$
Steel	V303 32,5x28 t=1.5 mm	
Aluclip	A033	
Sash	76272	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	
Aluclip	A044	



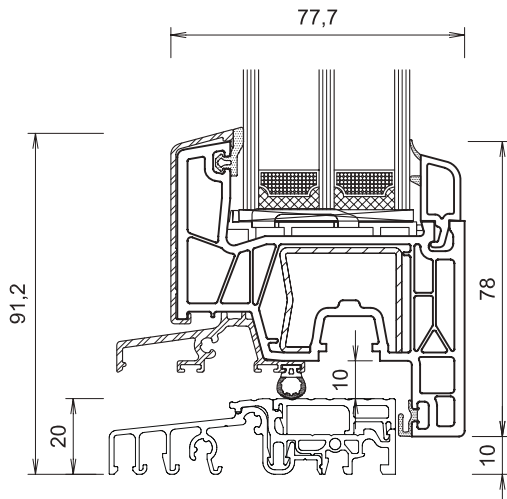
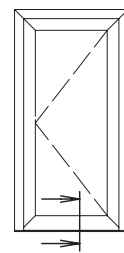


Frame	76172	
Steel	V314	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
	45x35 t=2 mm	
Aluclip	A034	
Sash	76272	
Steel	V314	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
	45x35 t=2 mm	
Aluclip	A044	

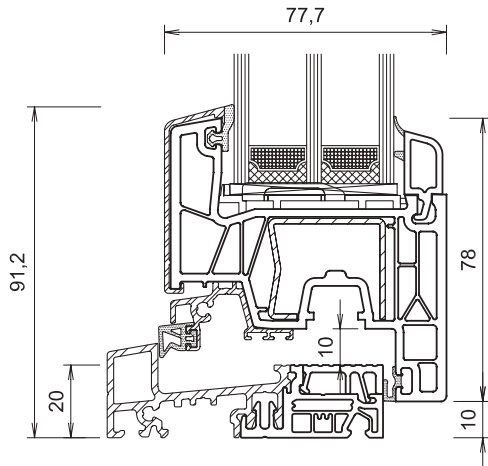


Frame	76172	
Steel	V314	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
	45x35 t=2 mm	
Aluclip	A034	
Sash	76206	
Steel	V260	$I_x=22,8 \text{ cm}^4$ $I_y=12,1 \text{ cm}^4$
	t=	
Aluclip	A040	

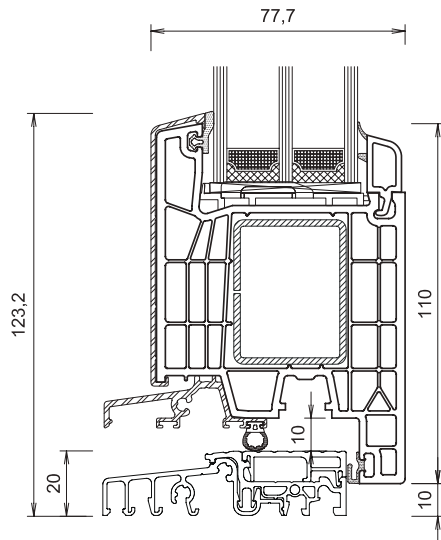
Threshold - Sash outside opening / Schwellenprofil - Flügel außen öffnend /
Soglia - Anta apertura esterna / Prag - Cercevea deschidere exterioara



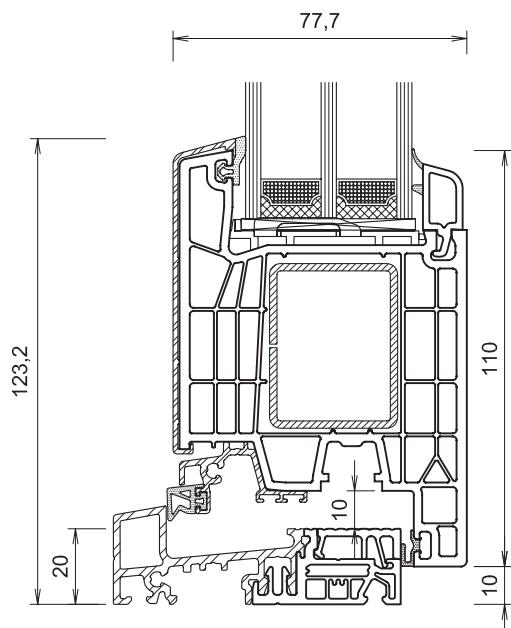
Threshold	6861501	
Weather bar	A062	
Aluclip	A043	
Sash	76271	
Steel	V306	$I_x=1,3 \text{ cm}^4$ $I_y=2,3 \text{ cm}^4$
	32,5x28x6 t=1.5 mm	



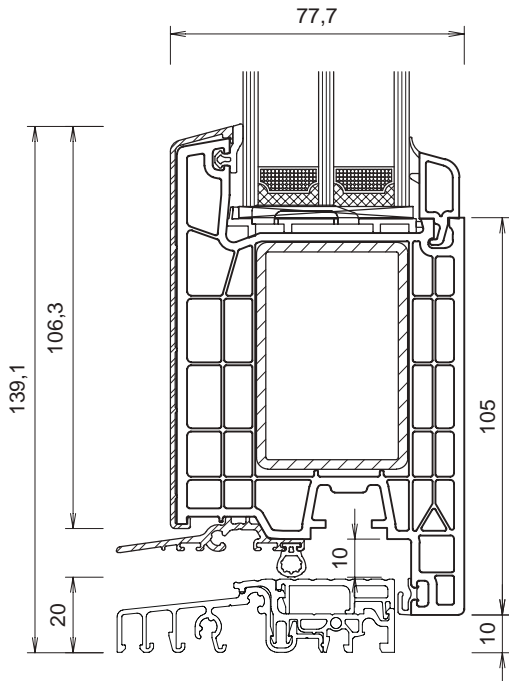
Treshold	A075	
Weather bar	A064	
Aluclip	A043	
Sash	76271	$I_x=1,3 \text{ cm}^4$ $I_y=2,3 \text{ cm}^4$
Steel	V306	
	32,5x28x6 t=1.5 mm	



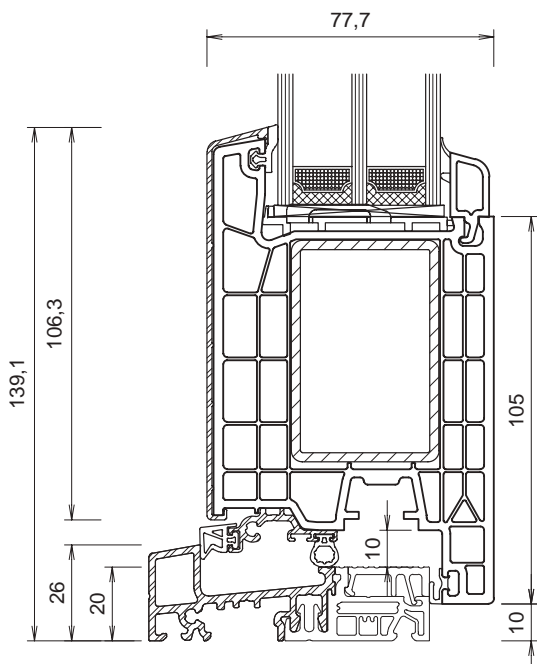
Treshold	6861501	
Weather bar	A062	
Aluclip	A044	
Sash	76272	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314	
	45x35 t=2 mm	



Treshold	A075	
Weather bar	A064	
Aluclip	A044	
Sash	76272	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314	
	45x35 t=2 mm	

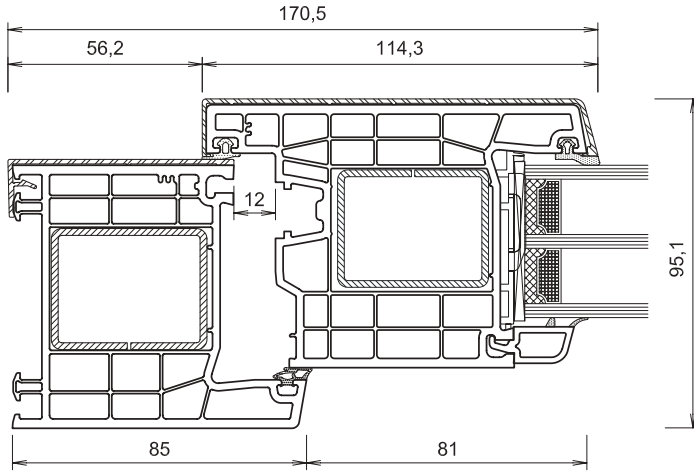
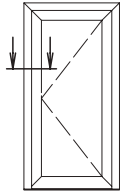


Threshold	6861501	
Weather bar	A061	
Aluclip	A040	
Sash	76206	$I_x=22,8 \text{ cm}^4$
Steel	V260	$I_y=12,1 \text{ cm}^4$

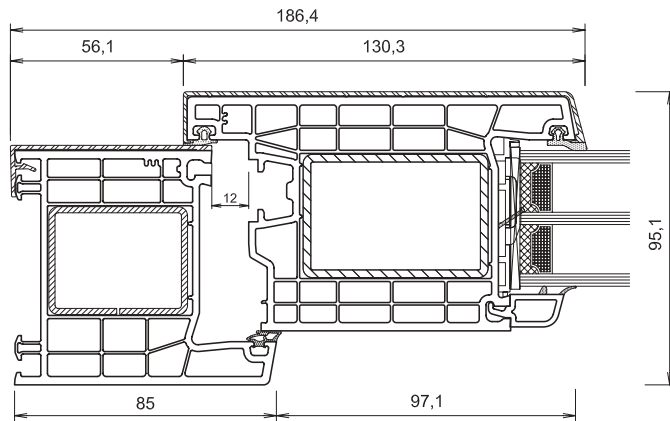


Threshold	A075	
Weather bar	A063	
Aluclip	A040	
Sash	76206	$I_x=22,8 \text{ cm}^4$
Steel	V260	$I_y=12,1 \text{ cm}^4$

Frame - Sash outside opening / Blendrahmen - Flügel außen öffnend /
Telaio - Anta apertura esterna / Toc - Cercevea deschidere exterioară

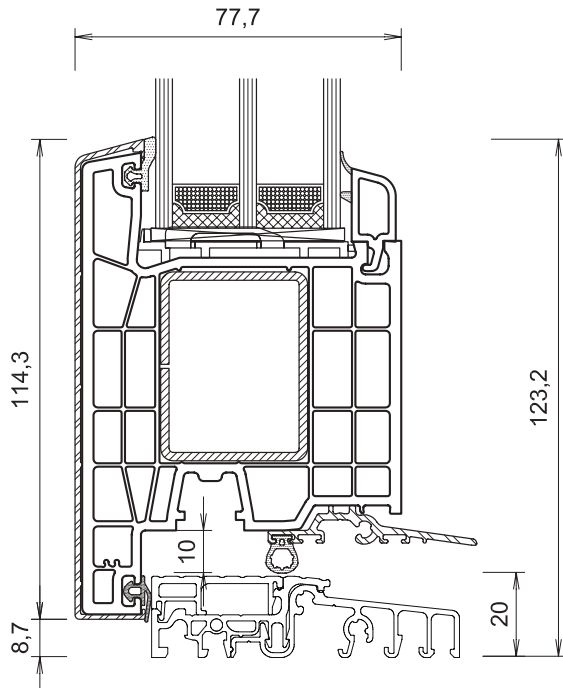
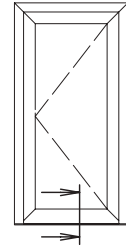


Frame	76102	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	
Aluclip	A073	
Sash	76205	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314	
Aluclip	A039	



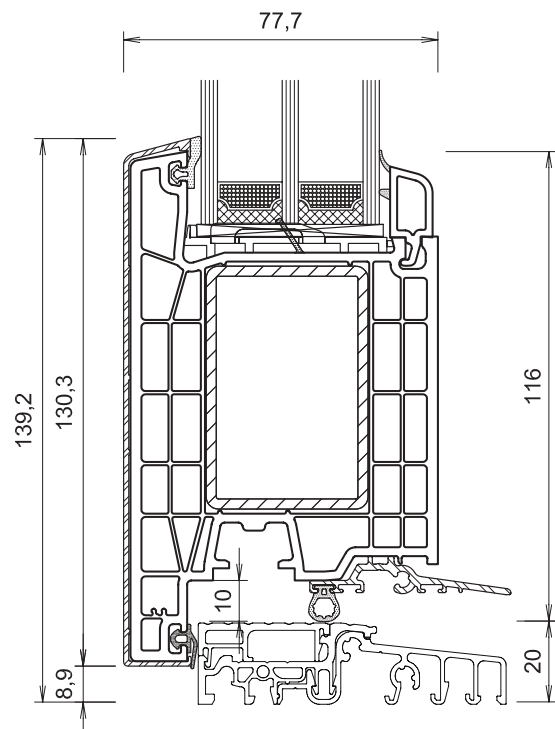
Frame	76102	$I_x=8,4 \text{ cm}^4$ $I_y=5,7 \text{ cm}^4$
Steel	V314 45x35 t=2 mm	
Aluclip	A041	
Sash	76207	$I_x=22,8 \text{ cm}^4$ $I_y=12,1 \text{ cm}^4$
Steel	V260	
Aluclip	A073	

Threshold - Sash outside opening / Schwellenprofil - Flügel außen öffnend /
Soglia - Anta apertura esterna / Prag - Cercevea deschidere exterioara



Threshold	6861501
Weather bar	A061
Aluprofil	A065
Aluclip	A039
Sash	76205
Steel	V314

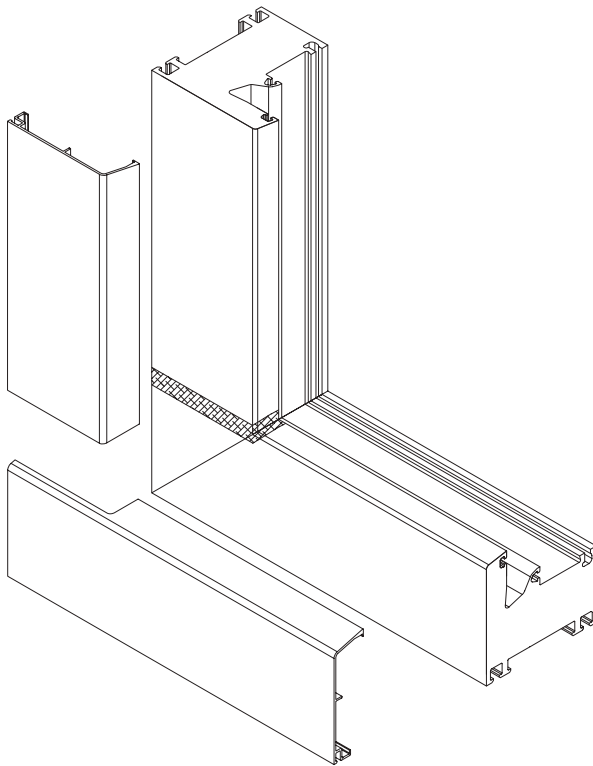
$I_x=8,4 \text{ cm}^4$
 $I_y=5,7 \text{ cm}^4$



Threshold	6861501
Weather bar	A061
Aluprofil	A065
Aluclip	A041
Sash	76207
Steel	V260

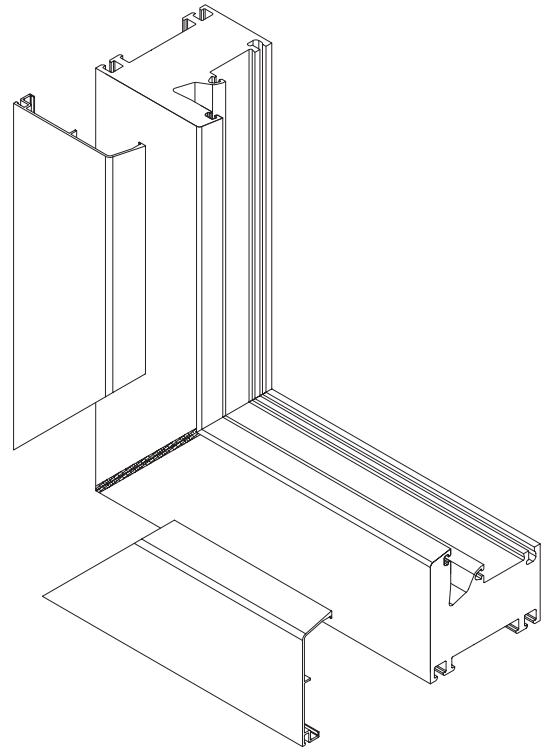
$I_x=22,8 \text{ cm}^4$
 $I_y=12,1 \text{ cm}^4$

Aluminum covers junctions / Aluschalen Verbindung / Giunto profili di rivestimento in alluminio / Joncțiuni placări aluminiu



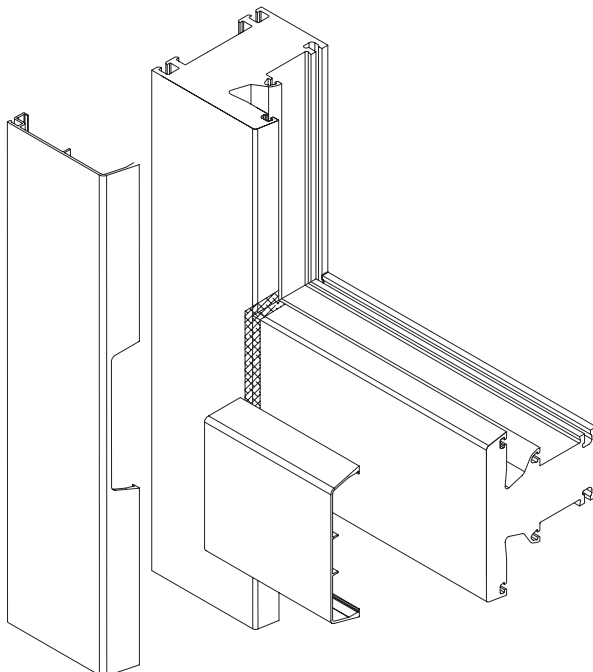
Outer frame corner

Blendrahmen für innenöffnende Fenster/ Türen
Giunto di testa del rivestimento in alluminio, telaio
Joncțiune toc fereastră/ușă



Outer frame for outswing windows/doors

Blendrahmen für außenöffnende Fenster / Türen
Giunto a 45° del rivestimento in alluminio, apertura esterna / Îmbinare la 45° toc/ușă deschidere exterioră

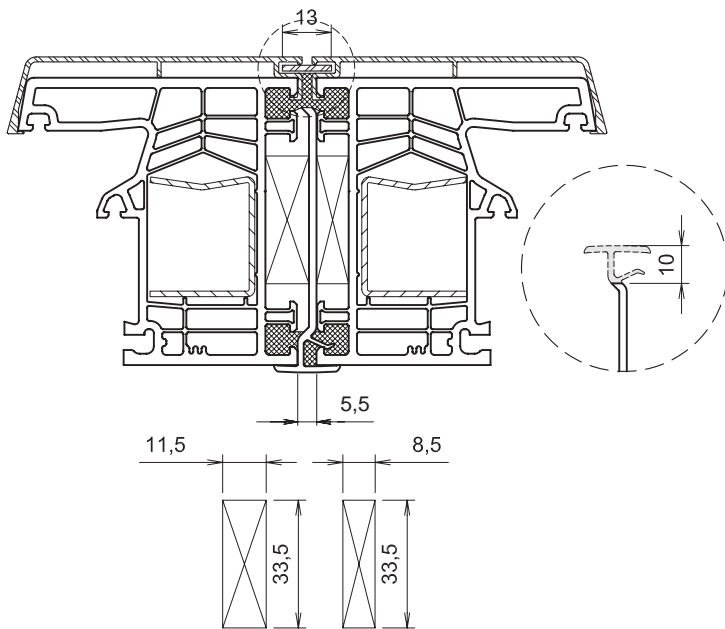


Transom join

Kämpferstoßes
Collegamento traverso
Înbinare transversă

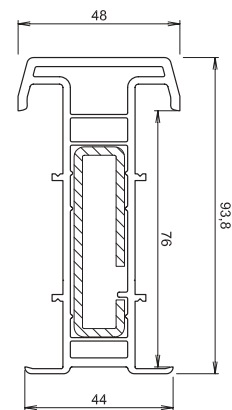
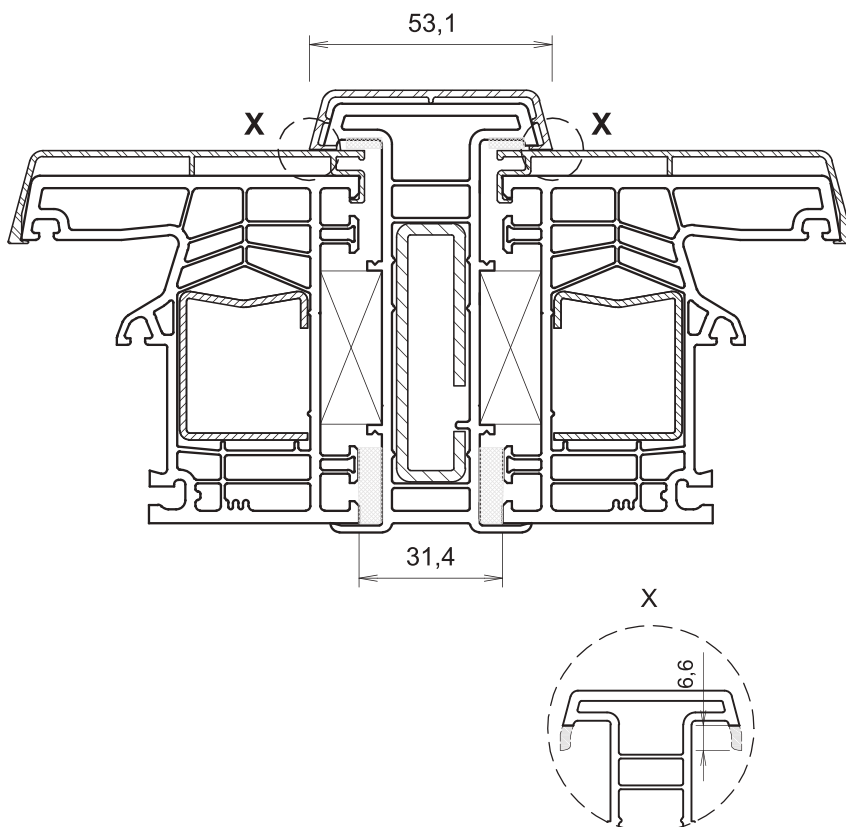
Coupling profiles / Kopplungsprofile / Profili di accoppiamento / Profile de cuplare

H coupler / H Schieber / Profilo di accoppiamento / Profil cuplare



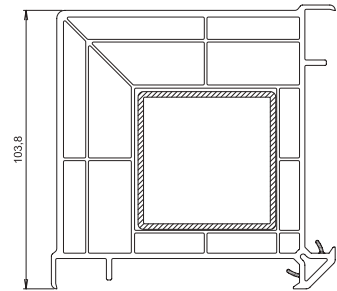
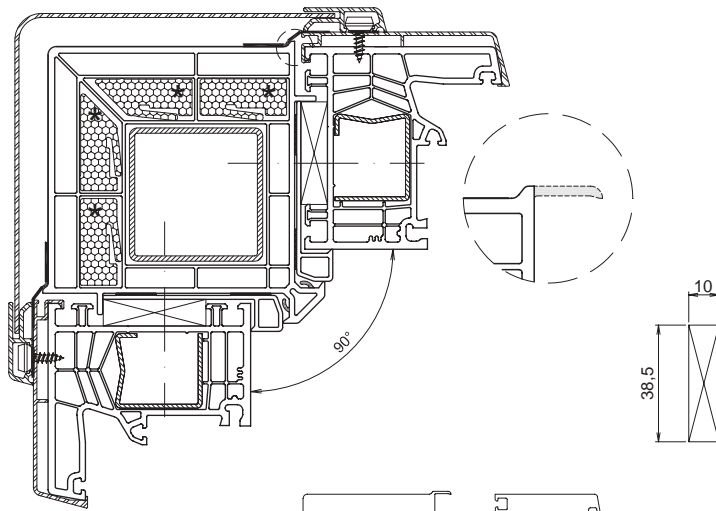
76604

H coupler / H Schieber / Profilo di accoppiamento / Profil cuplare ranforsat



76605
Steel V331
 $I_x=1 \text{ cm}^4$
 $I_y=10 \text{ cm}^4$

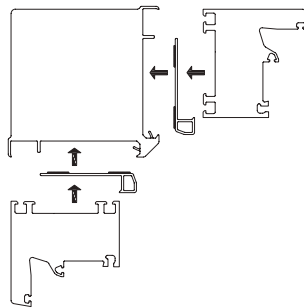
Corner coupling 90° / Eckkopplung 90°
Giunto angolare 90° / Profil cuplare 90°



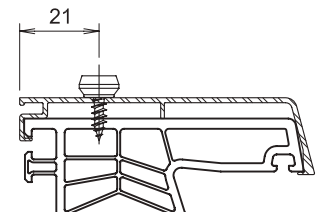
8355
Steel 940808

$I_x=14,4 \text{ cm}^4$
 $I_y=14,4 \text{ cm}^4$

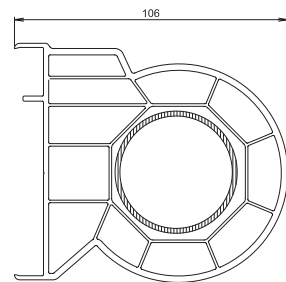
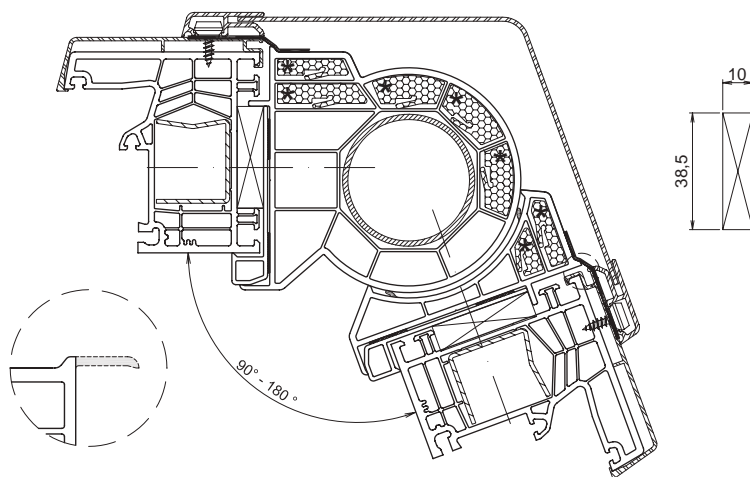
*Optional



A249



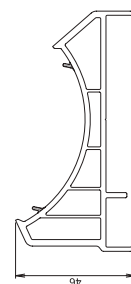
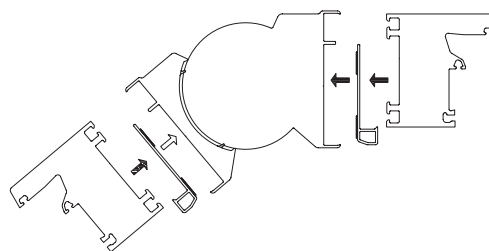
Bay pole / Eckkopplung variabel
Giunto angolare variabile / Profil cuplare unghi variabil



8340
Steel 640

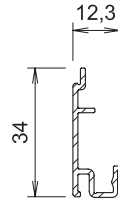
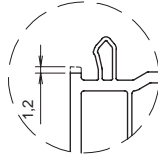
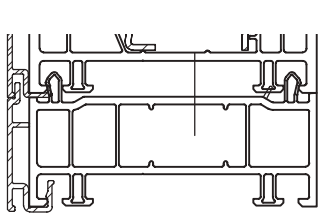
$I_x=8,7 \text{ cm}^4$
 $I_y=8,7 \text{ cm}^4$

*Optional

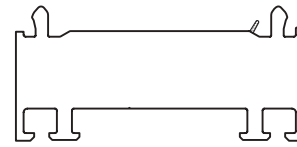


8341

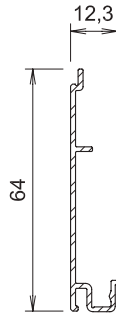
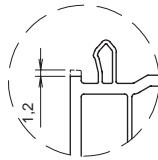
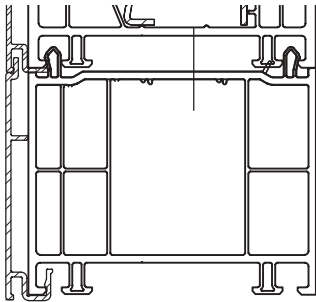
Outer frame extension / Blendrahmen Verbreiterung / Allargatore Telaio / Profile extensie toc



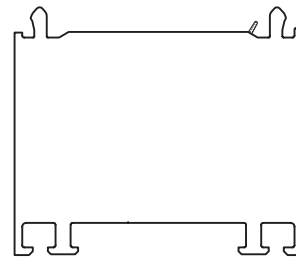
A120



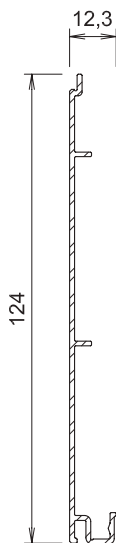
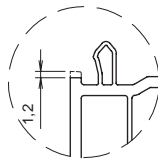
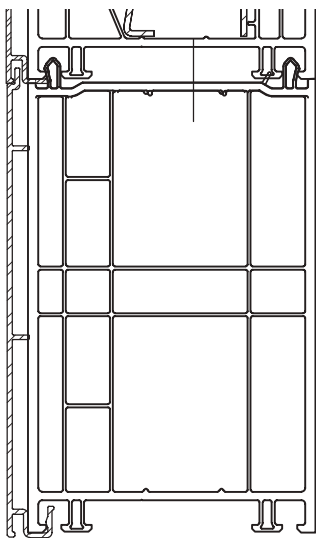
76701



A121



76702

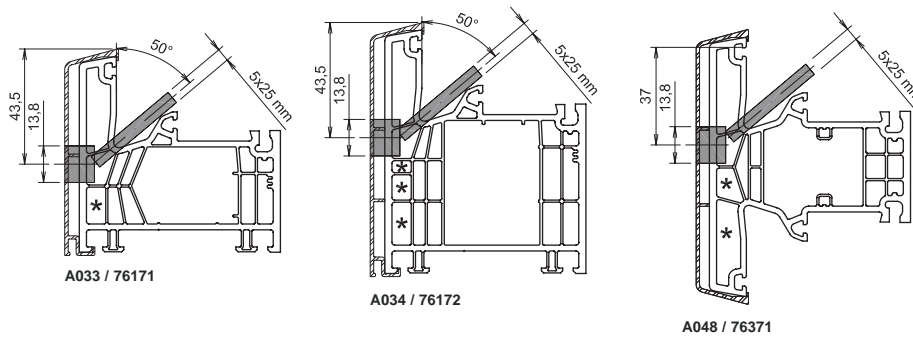


A124

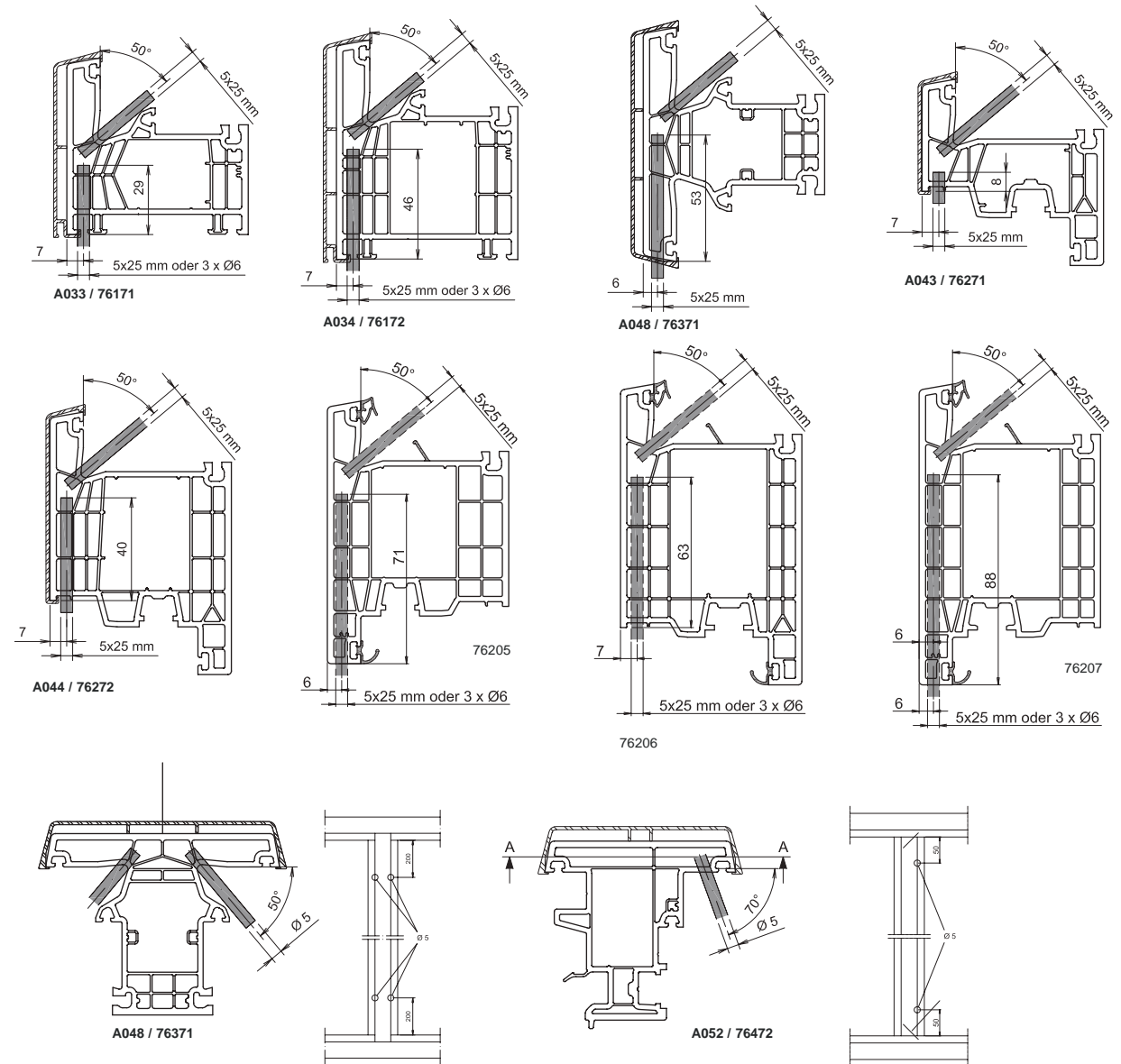


76703

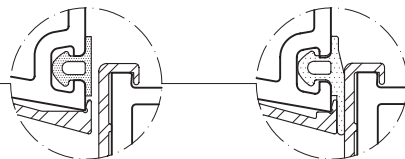
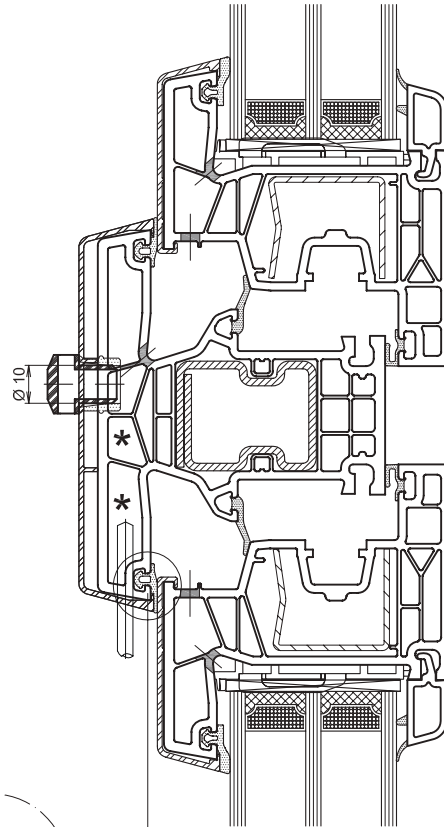
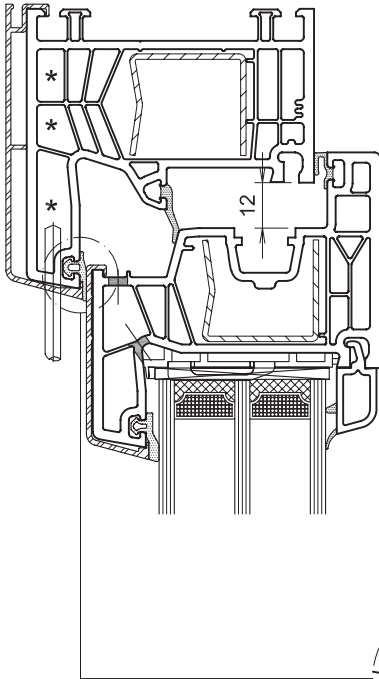
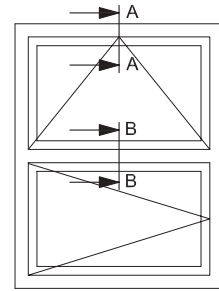
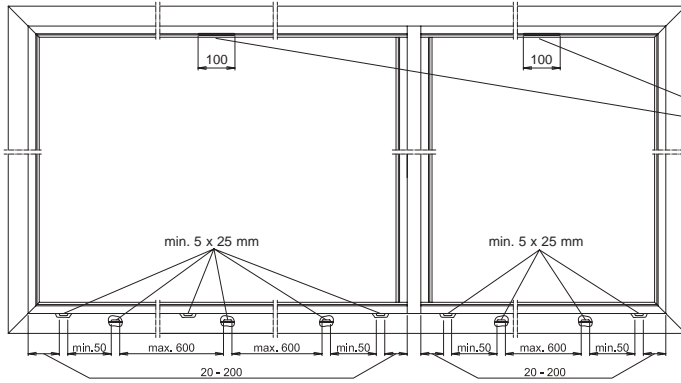
Drainage / Entwässerung / Drenaggio / Drenajul
Front drainage / Entwässerung nach vorne / Drenaggio frontale / Drenaj frontal



Hidden drainage / Entwässerung nach unten / Drenaggio nascosto / Drenaj inferior



Ventilation / Entlüftung / Ventilazione / Ventilarea

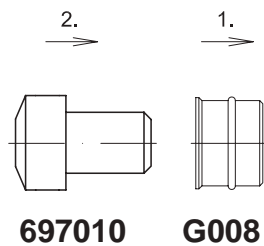


*** The antechamber must be ventilated if heat is to be prevented from accumulating in non-white profiles.**

* Um einen Hitzestau zu vermeiden, belüften Sie bei nicht weißen Profilen die Vorkammern.

** Per evitare un ristagno di calore la precamera dei profili non bianchi deve essere ventilata*

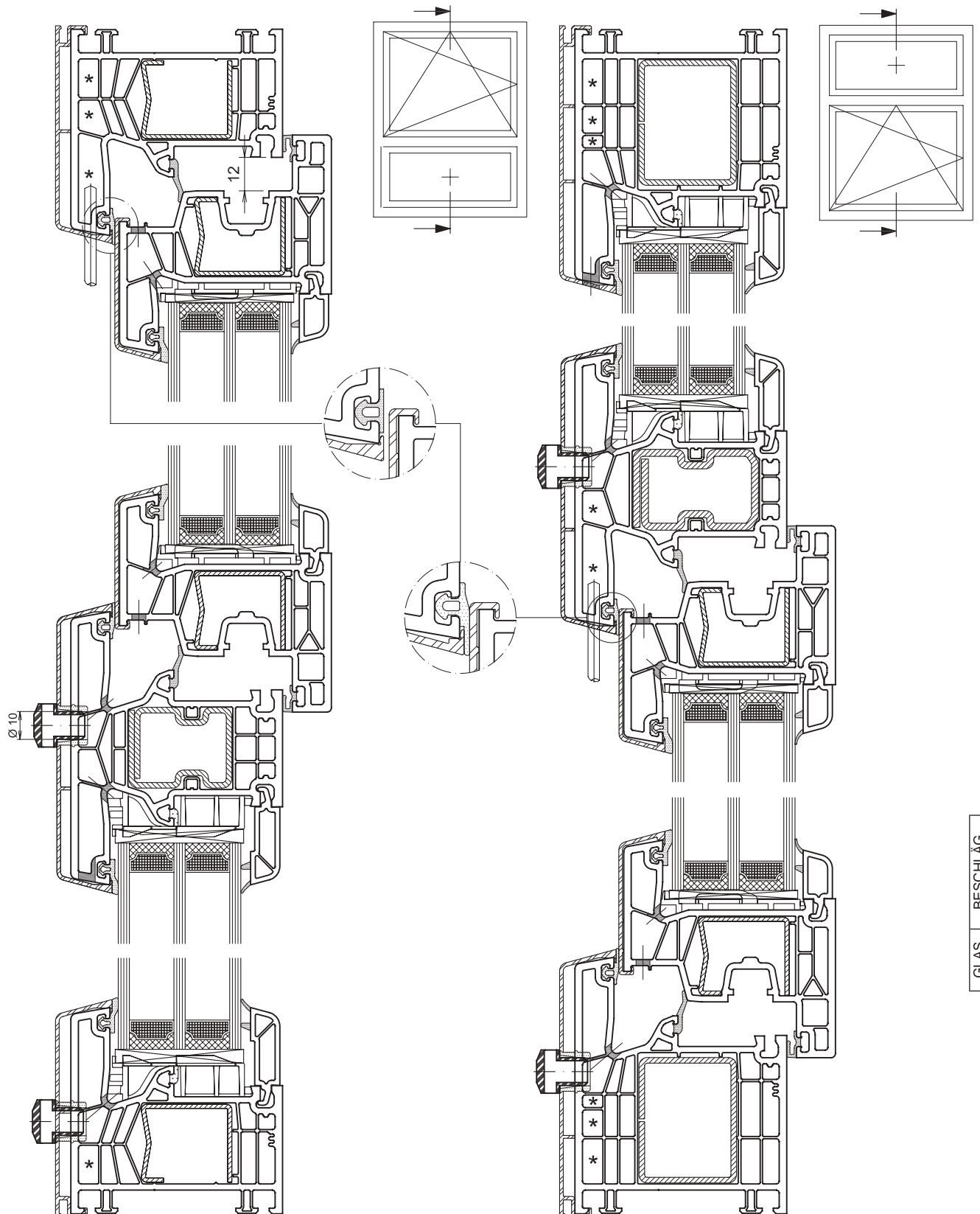
* Pentru a evita acumularea de caldura, precamerele profilelor non-albe trebuiesc ventilate.



697010

G008

Ventilation / Entlüftung / Ventilazione / Ventilarea



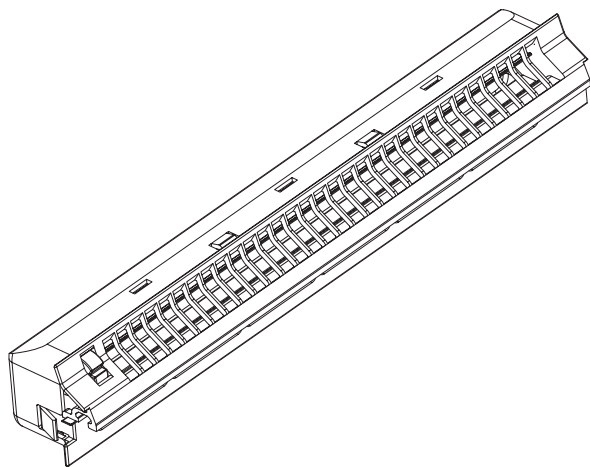
* The antechamber must be ventilated if heat is to be prevented from accumulating in non-white profiles.

* Um einen Hitzestau zu vermeiden, belüften Sie bei nicht weißen Profilen die Vorkammern.

* Per evitare un ristagno di calore la precamera dei profili non bianchi deve essere ventilata

* Pentru a evita acumularea de caldura, precamerile profilelor non-albe trebuiesc ventilate.

CLIMATEC 76



EN

1. Self regulating, easy to clean ventilation system.
2. Minimises high air humidity and the risk of mould.
3. Promotes the controlled supply of fresh air.
4. Ventilator screen protects against insects.
5. Concealed in the frame, so practically invisible from the inside and outside.
6. Automatic wind pressure regulation.
7. Complies with EnEV (German Energy Savings Act).
8. Tested sound insulation up to 43 dB (STC 4).
9. Protection against driving rain and passage of air tested in accordance with DIN and EU standards.
10. Ventilation in accordance with DIN 1946-6.

DE

1. Selbstregulierendes, leicht zu reinigendes Lüftungssystem.
2. Minimiert hohe Luftfeuchtigkeit und das Risiko der Schimmelpilzbildung.
3. Fördert den kontrollierten Luftaustausch.
4. Schutz vor Insekten durch Lüftungsgitter.
5. Von innen und außen kaum sichtbar, da im Rahmen verdeckt.
6. Automatische Winddruckanpassung.
7. Entsprechend Energieeinsparverordnung (EnEV).
8. Geprüfter Schallschutz bis 43 dB (SSK4).
9. Schlagregendichtheit und Luftdurchgang nach DIN und EU-Normen.
10. Lüftung nach DIN 1946-6.

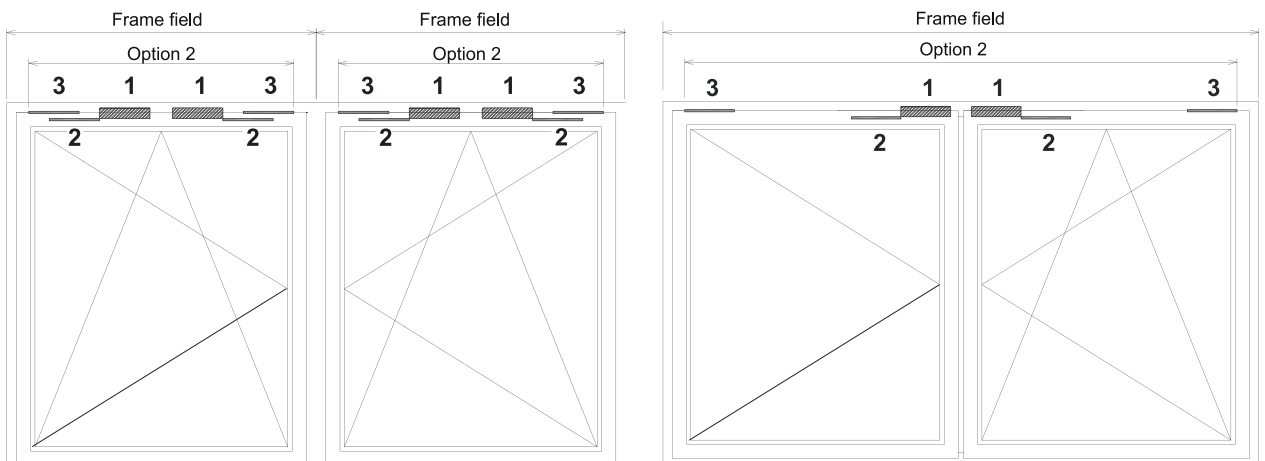
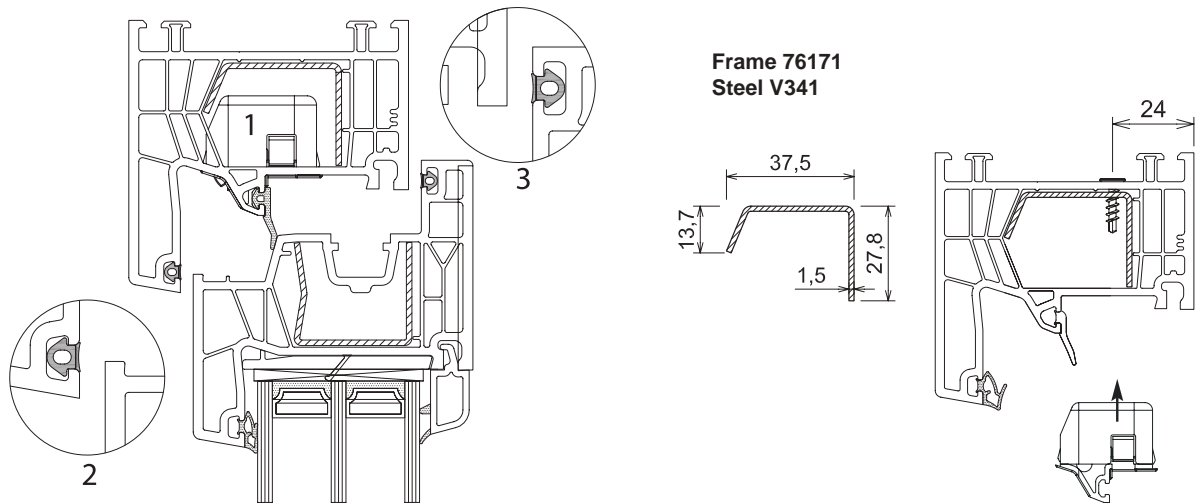
IT

1. Sistema di ventilazione autoregolante, facile da pulire.
2. Riduce il tasso di umidità dell'aria e il rischio di formazione di muffe.
3. Favorisce lo scambio d'aria controllato.
4. Protezione dagli insetti con griglia di ventilazione.
5. Praticamente invisibile dall'interno, poichè inserito nel telaio.
6. Adattamento automatico alla pressione del vento.
7. Conforme al regolamento sul risparmio energetico (EnEV).
8. Protezione acustica testata fino a 43 dB (SSK4).
9. Tenuta alla pioggia e permeabilità all'aria secondo norme DIN e UE.
10. Ventilazione secondo DIN 1946-6

RO

1. Sistem de ventilatie cu autoreglare, usor de curatat.
2. Reduce umiditatea aerului si riscul formarii de mucegai.
3. Favorizeaza schimbul controlat al aerului.
4. Ecran de ventilatie care protejeaza impotriva insectelor.
5. Pozitionat in cadru, invizibil atat din interior cat si din exterior
6. Adaptare automata a presiunii vantului
7. In conformitate cu regulamentul de economisire a energiei (EnEv)
8. Izolare fonica pana la 43 dB
9. Rezistenta la ploaie si permeabilitatea aerului in conformitate cu standardele DIN și UE.
10. Ventilatie conform cu DIN 1946-6

ClimaTec 76		Option 1 1 x Ventilator	Option 2 2 x Ventilators 200/250	Option 3 2 x Ventilators 400/400
Test report		12-002529-PR95 PB-E02-02-de-03	14-002744-PR07 PB-E02-02-de-01	12-002529-PR94 PB-E02-02-de-02
Minimum sash width		601 mm	922 mm	978 mm
Air flow at	(Pa)	Area m ³ /h		
	2	2,3	2,8	6,1
	4	3,1	4,0	8,6
	5	3,7	4,7	9,7
	7	4,5	5,7	11,5
	8	4,8	6,1	12,2
	10	5,5	7,1	13,7
	20	8,3	10,8	14,5
	30	8,3	13,6	17,4
	50	11,4	15,1	23,6
100	16,5	22,4	33,7	
Watertightness		Class		
(A)		6A	5A	6A
Glass		Soundproofing [dB]		
6/16/4/14/4		38	37	32
8 VSG SI /12/6/12/8 VSG SI		43	41	33
12 VSG SI /20/8 VSG SI		43	41	33



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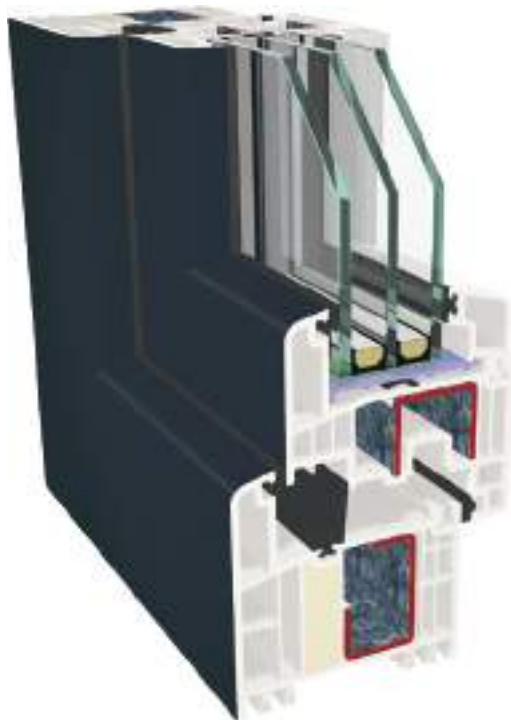
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PASIV 82

Profile system Gealan S9000 with 6 chambers

Profilsystem Gealan S9000 mit 6 Kammer
 Sistema di profili Gealan S9000 con 6 camere
 Sistemul de profile cu 6 camere Gealan S9000



Profile System Manufacturer
 Gealan Fenster-Systeme GmbH
 Hofer Strasse 80, Oberkotzau
 Deutschland



Heat transfer coefficient
 Wärmedurchgangskoeffizient
 Trasmittanza termica
 Transmitanta termica

up to
 bis
 fino a
 pana la $U_f = 0,96 \text{ W}/(\text{m}^2\text{K})$



Resistance to wind load
 Widerstandsfähigkeit
 gegen Windlast
 Resistenza ai carichi di vento
 Rezistentă la încărcarea din vant

up to
 bis
 fino a
 pana la Clasa C5/B5



Tightness against driving rain - unprotected (A)
 Schlagregendichtheit - Ungeschützt (A)
 Tenuta all'acqua metodo di prova A
 Etanșeitatea la apă expunere directă

up to
 bis
 fino a
 pana la 9A



Air permeability
 Luftdurchlässigkeit
 Tenuta all'aria
 Permeabilitatea aerului

up to
 bis
 fino a
 pana la Clasa 4



Sound insulation
 Schallschutz
 L'isolamento acustico
 Izolarea acustică

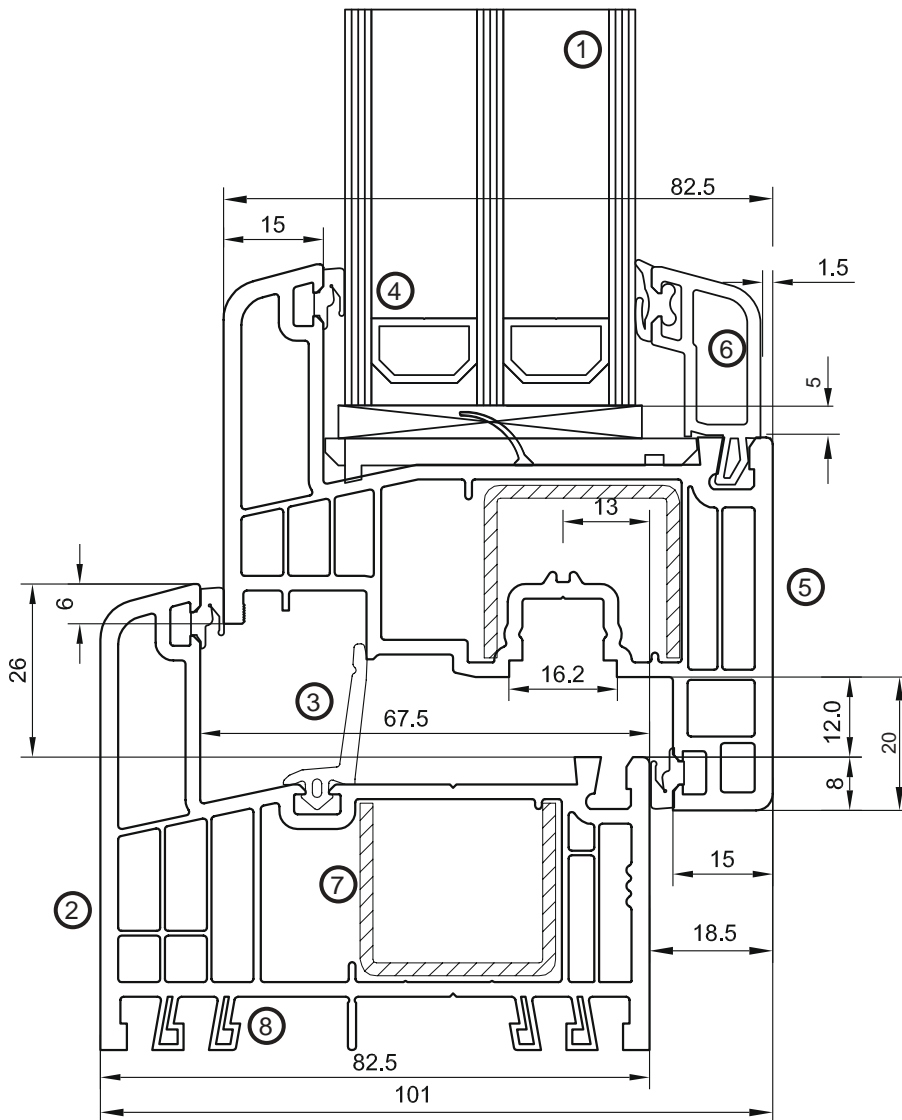
up to
 bis
 fino a
 pana la 47 dB



Burglar-resistant
 Einbruchhemmung
 Resistenza antieffrazione
 Rezistentă antifracție

up to
 bis
 fino a
 pana la RC 2 (WK 2)

System features / Systemmerkmale / Caratteristiche del sistema / Caracteristici Sistem



EN

1. Suitable for triple functional glazing with a maximum thickness of 52 mm (STV® 54 mm).
2. Narrow visible width and 15° incline as a design feature.
3. Intelligent sealing concept with up to three end-to-end sealing levels.
4. Optimised for the use of STV® for dry bonding the pane and sash upstand.
5. Very good heat and sound insulation thanks to the six-chamber design and large installation depth for the frame and sash.
6. Deep edge cover thanks to an upstand height of 26 mm for enhanced heat insulation.
7. Perfectly fitting steel forms for the perfect balance between statics and heat insulation.
8. Six chambers end to end in the frame, sash and mullion for outstanding heat and sound insulation.

GER

1. Geeignet für die Aufnahme von 3-fach-Funktions-gläsern bis 52 mm (STV® 54 mm) Stärke.
2. Schmale Ansichtsbreite und designorientierte 15° Schräge.
3. Intelligentes Dichtungskonzept mit bis zu drei Dichtebenen.
4. Optimierte für den Einsatz von STV®, um Scheibe und Flügelüberschlag trocken zu verkleben.
5. Sehr gute Wärme- und Schalldämmung durch 6-Kammer-Aufbau und große Bautiefe bei Blendrahmen und Flügel.
6. Ein hoher Glaseinstand durch eine Überschlagshöhe von 26 mm für verbesserte Wärmedämmung.
7. Passgenaue Stahlformen für ein Optimum zwischen Statik und Wärmedämmung.
8. Durchgängig 6-Kammern in Blendrahmen, Flügel und Pfosten für hervorragende Wärme- und Schalldämmung

ITL

1. Adatto per tripli vetri con fino a 52 mm (54 mm con STV®) di spessore.
2. Ridotta superficie a vista e design moderno con inclinazione di 15°.
3. Struttura "intelligente" delle guarnizioni, con fino a tre livelli di isolamento.
4. Ottimizzato per l'impiego di STV®, per incollare a secco vetro e anta.
5. Isolamento termico ed acustico ottimali, grazie alla geometria a 6 camere e alla grande profondità costruttiva di ante e telai.
6. Una maggiore profondità del vetro all'interno dell'anta, grazie a un'altezza sormonto di 26 mm, per un migliore isolamento termico.
7. Precise forme di acciaio per una statica e un isolamento termico ottimali.
8. Con 6 camere in telaio fisso, ante e montanti, per un isolamento termico e acustico eccellente.

ROM

1. Adecvat pentru montarea de geamuri triple functionale cu grosimea maximă de 52 mm (STV® 54 mm).
2. Lățime vizibilă îngustă și înclinație de 15° pentru un aspect cât mai plăcut.
3. Tehnică inteligentă de etanșare cu până la trei planuri de etanșare.
4. Optimizat pentru utilizarea STV®, pentru lipirea uscată a geamului pe întreaga suprafață a marginii răsfrânte a cercevelei.
5. Izolare termică și fonică foarte bună datorită structurii cu 6 camere și adâncimii mari de construcție a ramelor oarbe și cercevelor.
6. O adâncime de inserție a sticlei mai mare datorită înălțimii de suprapunere de 26 mm, pentru o izolare termică îmbunătățită.
7. Forme din oțel perfect adaptate pentru o stabilitate și o termoizolare optimă.
8. 6 camere continue la nivelul ramelor oarbe, cercevelor și stâlpilor pentru o izolare termică și fonică excelentă.

Color program / Dekorübersicht / Programma Colori / Program culori

Dekore Pellicola Folie	Color shades Farbbezeichnung Colore Denumire culoare	Laminated		Suport material Trägermaterial Colore Massa Material Bază	Renolit code Renolit Code Codice Renolit Cod Renolit	Gasket Dichtung Guarnizione Garnitura
		ext	int			
Wood grain / Holzdekore / Effetto Legno / Imitatie Lemn	Sheffield Oak Light	x	x	braun	F456-3081	gray
	Sheffield Oak Grey	x	x	braun	F436-3086	gray
	Eiche Natur	x	x	braun	9.03118076-116800	gray
	Bergkiefer	x	x	braun	9.3069041-116700	gray
	Oregon	x	x	braun	9.1192001-116700	gray
	Streifen-Douglasie	x	x	braun	9.3152009-116700	gray
	Winchester XA	x	x	braun	9.0049240-114800	gray
	Golden Oak	x	x	braun	9.2178001-116700	black
	Soft Cherry	x	x	braun	9.3214009-119500	gray
	Siena PR	x	x	braun	9.0049233-114800	gray
	Siena PN	x	x	braun	9.0049237-114800	black
	Nussbaum V	x	x	braun	9.2178007-116700	black
	Eiche Dunkel FL-F1	x	x	braun	9.2052089-116700	black
	Mooreiche ST-F	x	x	braun	9.3167004-116700	black
	Macore	x	x	braun	9.3162002-116700	black
	Sapeli	x	x	braun	9.2065021-116700	black
	Black Cherry	x	x	braun	9.3202001-116700	black
Single Colors / Uni -Farben / Uni-colore / Culori Uni	Crystal White Ash	x	x	white	47 852-117900	gray
	Cremeweiss	x	x	white	02.20.11.000001-116700	gray
	Lichtgrau 7251	x	x	white	725105-116700	gray
	Grau 7155	x	x	white	715505-116700	gray
	Basaltgrau 7012	x	x	white	701205-116700	gray
	Anthrazitgrau	x	x	white	701605-116700	black
	Anthrazitgrau 7016 Glatt	x	x	white	701605-808300	black
	Dunkelrot 3081	x	x	white	308105-116700	black
	Winerot 3005	x	x	white	300505-116700	black
	Moosgrun 6005	x	x	white	600505-116700	black
	Dunkelgrun 6125	x	x	white	612505-116700	black
	Schwarzbraun 8518	x	x	white	851805-116700	black
	Metbrush Aluminium	x	x	white	F436-1001	gray
	Metbrush Messing	x	x	white	F436-1007	gray

Nachweis
Wärmedurchgangskoeffizient

Prüfbericht
Nr. 13-002509-PR01
(PB-K20-06-de-01)



Auftraggeber
GEALAN
Fenster-Systeme GmbH
Hofer Str. 80
95145 Oberkotzau
Deutschland

Grundlagen
EN 14351-1:2008+A1:2010
EN 12412-2:2003-07
(*) und einschlägige nationale Fassungen
(z.B. DIN EN)

Produkt
Kunststoffprofil, Profilkombination: Flügelrahmen -
Blendrahmen
Bezeichnung S9000

Darstellung



Leistungsrelevante Produktdetails
Material **Kunststoff – PVC hart**; Ansichtsbreite **B** in mm **118**;
Blendrahmen; Profilschnitt, Breite in mm **70**; Profilschnitt, Dicke in mm **82,5**; **Aussteifung**; Material **Metall - Stahl verzinkt**; **Flügelrahmen**; Profilschnitt, Breite in mm **82**; Profilschnitt, Dicke in mm **82,5**; **Aussteifung**; Material **Metall - Stahl verzinkt**; **Ersatzpaneel**; Dicke in mm **36**;
Erstand in mm **21**

Verwendungshinweise

Die ermittelten Ergebnisse können vom Hersteller als Leistungserklärung entsprechend der Bauproduktenverordnung 305/2011/EU verwendet werden. Die Festlegungen der geltenden Produktnorm sind zu beachten.

Besonderheiten --

Ergebnis

Wärmedurchgangskoeffizient



$U_f = 0,96 \text{ W/(m}^2\text{K)}$

Gültigkeit

Die genannten Daten und Einzelergebnisse beziehen sich ausschließlich auf den geprüften/beschriebenen Probekörper. Diese Prüfung/Bewertung ermöglicht keine Aussage über weitere leistungs- / qualitätsbestimmende Eigenschaften des Produkts; insbesondere Witterungs- und Alterungseinflüsse wurden nicht berücksichtigt.

Veröffentlichungshinweise

Es gilt das "Merktblatt zur Benutzung von ift-Prüfdokumentationen". Das Deckblatt kann als Kurzfassung verwendet werden.

Inhalt

Der Nachweis umfasst insgesamt 6 Seiten und Anlage (1 Seite).

ift Rosenheim
23.10.2013

Konrad Huber, Dipl.-Ing. (FH)
Stv. Prüfstellenleiter
Bauphysik

Sebastian Unterholzner, Dipl.-Ing. (FH)
Prüfingenieur
Wärme & Klima

Ver-PB0-1199-06 | 01.10.2012

ift Rosenheim GmbH
Geschäftsführer:
Dr. Jochen Feischl
Prof. Ulrich Bebenath

Theodor-Daßl-Str. 7 - 9
D-93026 Rosenheim
Tel.: +49 (0)8031/281-0
Fax: +49 (0)8031/281-280
www.ift-rosenheim.de

Biz: 93026 Rosenheim
A/S Traunstein, HRB 14793
Sparkasse Rosenheim
Kto. 3833
BLZ 711 900 00

Anerkennung Stelle
Notified Body BPT
DAkkS
PS-Z 0001: BPT 18

D-PL 11328 Praling
D-AK 11328 Kallertweg
D-ZE 11328 Praling-Zelt
D-39 11328 Management-Zelt
D-LE 11328 Ingertzen



Prüfberichte S 9000

1. MATERIALPRÜFUNGEN

2. TRAV

3. SYSTEMPRÜFUNGEN

RAL-Systempass Mitteldichtung Nr. 14-000507-PR01 SP-A01-Z055-de-01

Probekörper	1	2	3	4	5
Darstellung					
Fenstergröße	1572 x 2376	3290 x 2372	1650 x 1472	1642 x 2372	2444 x 2372
Flügelgrößen	1500 x 1334	956 x 2300	786 x 1400	782 x 2300	1174 x 2300
Beschreibung	Fenster mit Unterlicht	Fenstertür mit gekoppelten Seitenteil	Stulpfenster	Stulpfenstertür ohne Schwelle	PSK Schema A
Prüfbericht	12-002166-Pr02 PB-A01-0203-de-01	12-002166-Pr03 PB-A01-0203-de-01	12-002166-Pr04 PB-A01-0203-de-01	12-002166-Pr05 PB-A01-0203-de-01	12-002166-Pr06 PB-A01-0203-de-01
Grundlage	EN 14351-1				
Prüfung	Klassifizierung				
 Widerstandsfähigkeit bei Windlast EN 12210	C3 / B4	C4 / B4	C5 / B5	C2 / B3	C4 / B5
 Schlagregendichtheit EN 12206	8A	9A	9A	9A	9A
 Luftdurchlässigkeit EN 12207	4	4	4	4	4
 Bedienkräfte EN 13115	1	1	1	1	1
 Mechanische Beanspruchung EN 13115	4	4	4	4	4
 Dauerfunktion EN 12400	2 12-002166-PR08 PB-A01-03-de-01	2 12-002166-PR09 PB-A01-03-de-01	*)	*)	2 12-002166-PR25 PB-A01-03-de-01
 Differenzklimaverhalten EN 13420	Keine Einschränkung der Funktion Diese Eigenschaft wurde an einem zusätzlichen Probekörper ermittelt.				
 Stofftightigkeit EN 13049	1 Prüfbericht Nr. 12-002166-PR07 PB-A01-03-de-01				
ift-Richtlinie FE-06/1 Prüfung von mechanischen und stumpf geschweißten T-Verbindungen Verbinder Art. 6405 55 Prüfbericht Nr. 12.002166-PR11 PB-K28-0203-de-01				Anforderung erfüllt	
Eignung von Kunststofffensterprofilen nach FE 13/1				Anforderung erfüllt	
Laibung und Falzhindernistest nach RAL-RG 607/1				Anforderung erfüllt	

*) nicht geprüft

Symbol Legend / Symbol Legende / Legenda Simboli / Legenda simboluri


Window / Fenster /
Finestra / Fereastră



Window with moulion /
 Finster mit Pfosten /
Finestra con montante /
 Fereastră cu montant



Terrace door / Balkontüre
Porta balcone / Usa balcon



Door with sash rail /
 Tür mit Flügelsprosse /
Porta con traversa /
 Usa cu traversa



Residential Door / Haustüre
Portoncino / Usa intrare



Outswing door
 Außenöffnende Türen
Porta con apertura verso l'esterno
 Usa cu deschidere exterioara



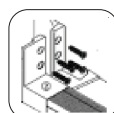
Renovation profile /
 Renovierungs-Blendrahmen /
Telaio ristrutturazione / Toc de
 renovare



Threshold /
 Haustürschwelle /
Sotto soglia /
 Prag aluminiu



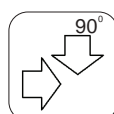
Window handle / Fenstergriff
Maniglia finestra / Maner fereastră



Threshold SLM /
 Haustürschwelle LFM /
Soglia in luce telaio /
 Prag montat in flat



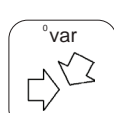
Double side door handle /
 Fenstergriffe mit Arretierung
Maniglia passante / Maner dublu



Coupling profiles 90 /
 Kopplungsprofile 90 /
Profili di accoppiamento 90 /
 Profile de cuplare 90



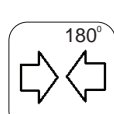
Door Handle / Drückergarnitur /
Maniglione / Maner usa



Variable bay pole /
 Variable Eckkopplung /
Giunto angolare variabile /
 Profile de cuplare unghi variabil



Flag door hinge / Haustürband /
Cerniera a bandiera / Balama usa



H coupler /
 H Schieber /
Profilo di accoppiamento /
 Profil cuplare



Door hinge RB / Haustürband RB /
Cerniera tubolare /
 Balama tubulara usa



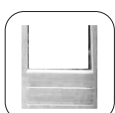
Outer frame extension /
 Blendrahmen Verbreiterung /
Allargatore Telaio /
 Profile extensie toc



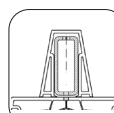
Double hung window /
 Stulpfenster / *Finestra a due ante /*
 Fereastră in doua canate



Bank connection profile /
 Sohlbankprofile /
Profilo di appoggio inferiore /
 Profile suprainaltare pervaz

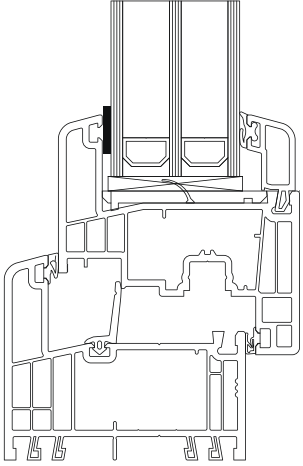


Extention profile /
 Höhenausgleichsprofil /
Zoccolo porta / Bandou usa



Reinforcing plant-on profile /
 Statik-Aufsatz /
Rinforzo /
 Ranforsare aplicată

Sound insulation test reports / Übersicht Schallprüfzeugnisse / Certificati d'isolamento acustico /
 Certificate izolare fonica

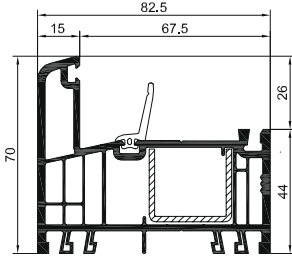
Element description Elementbeschreibung Descrizione elemento Descriere element	Pane structure (mm) Scheibenaufbau (mm) Struttura vetro (mm) Structura geam (mm)	Obtained values $R_w.P=dB$ Erreichte Werte $R_w.P=dB$ Valori raggiunti $R_w.P=dB$ Valori obtinute $R_w.P=dB$
	4-16-4	34
	4-14-4-14-4	34
	6-16-4	38
	8-16-4	39
	6-14-4-14-4	40
	VSG 8-16-4	39
	VSG 10-16-4 (P4A)	40
	10-12-4-12-6	42
	VSG SI 6-16-6	42
	VSG SI 8-14-4-14-6	43
	VSG 10-12-4-16-6 (P4A)	43
	VSG SI 8-24-8	45
	VSG SI 8-12-4-12-8	45
	VSG8-24-10	46
	VSG SI 10-16-VSG SI 8	46
VSG SI 8-12-4-12- VSG SI 8	47	

***VSG - Laminated glass / Verbundsicherheitsglas / Vetro stratificato / Sticla laminata**

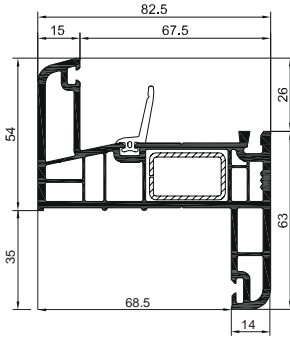
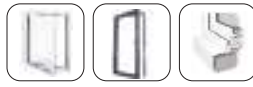
***VSG SI - Acoustic laminated glass / Schallschutz-Verbundsicherheitsglas / Vetro stratificato acustico /**
 Sticla laminata cu control acustic

Frame profiles / Rahmenprofile / Profili Telaio / Profile Toc

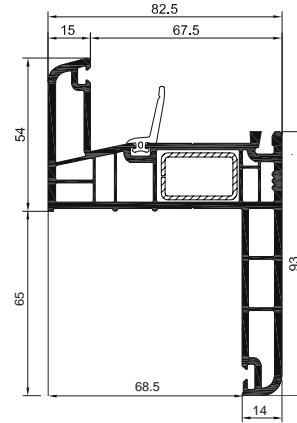
Profile: 6002
Steel 6706
30x26.5 - 2 mm



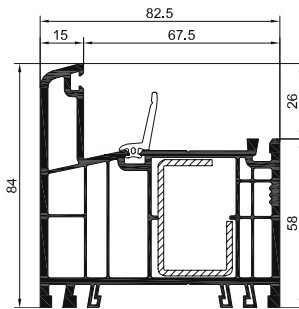
Profile: 6048
Steel 6744
28x17.5 - 1.5 mm



Profile: 6032
Steel 6744
28x17.5 - 1.5 mm



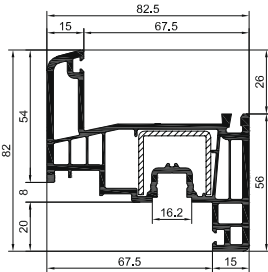
Profile: 6016
Steel 6716
26x40.5 - 2 mm



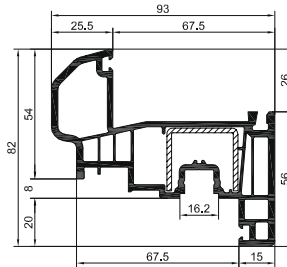
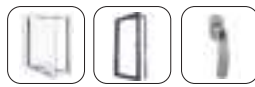
Profilo	Forma	Descrizione
9001	Ab	8061-Telaio a L. 58mm
9011	Ab	8010-Telaio a L. 74mm
9015	Ab	8015-Telaio a L. 110mm Bianco
9027	Ab	8017-Telaio a Z. 50
9030	Ab	8030-Telaio a Z. 30

Sash profiles / Flügelprofile / Profili Anta / Profile Cercevea

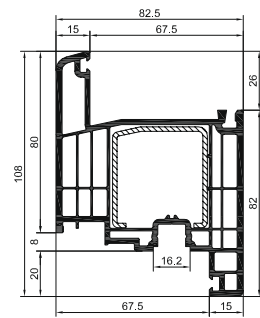
Profile: 6003
Steel 6706
30x26.5 - 2 mm



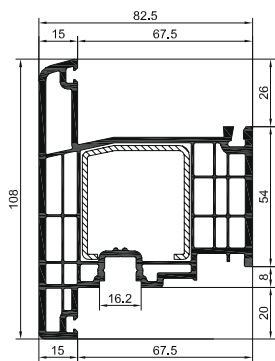
Profile: 6023
Steel 6706
30x26.5 - 2 mm



Profile: 6017
Steel 6720
42x44.5 - 2 mm



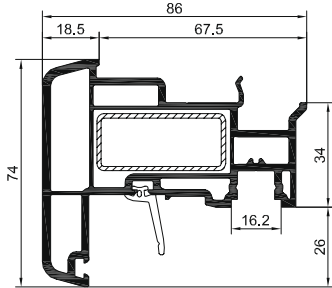
Profile: 6033
Steel 6720
42x44.5 - 2 mm



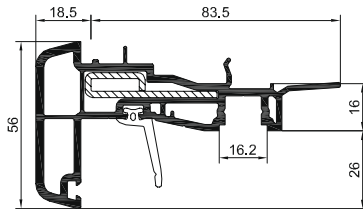
8076	Ab	8076-Anta porta int. 120mm
8081	Ab	8081-Anta porta int. 105mm
8095	Ab	8095-Anta O fereastra 78mm
8095A	Ab	8095-Anta O fereastra 78mm STV
8096	Ab	8096-Anta R fereastra 78mm
8096A	Ab	8096-Anta R fereastra 78mm STV

Sash rails & Floating mullion profiles / Pfosten & Stulpprofile / Profili per traverso & Profili per battuta centrale / Profile montant si Profile Stulp

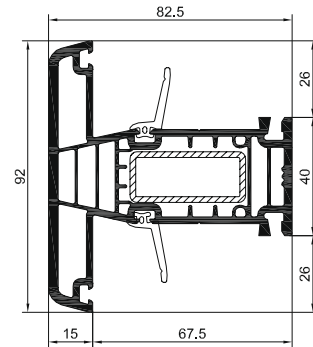
Profile: 6012
Steel 6711
44x19.5 - 1.5 mm



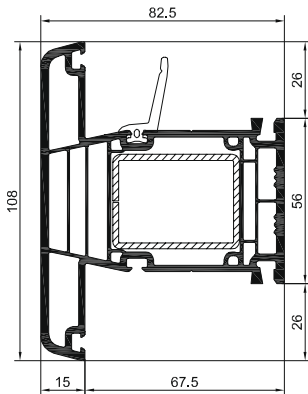
Profile: 6020
Steel 6730
44x8.5 - 2 mm



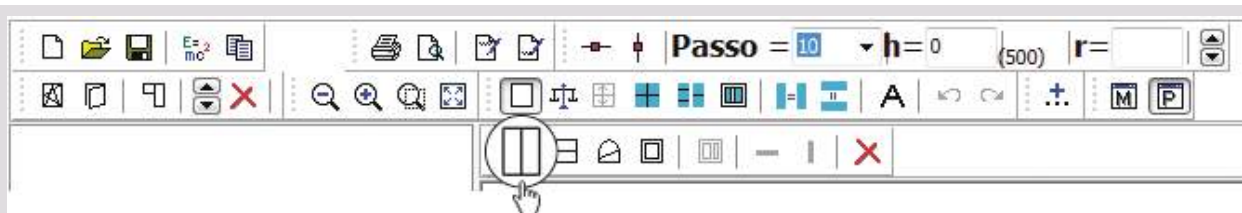
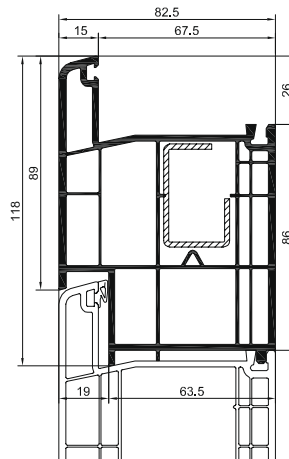
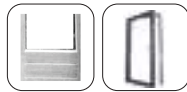
Profile: 6050
Steel 6712
40x17.5 - 2 mm



Profile: 6022
Steel 6727
43x32 - 2 mm



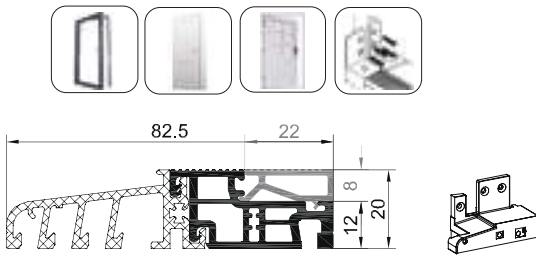
Profile: 6034
Steel 6716
26x40.5 - 2 mm



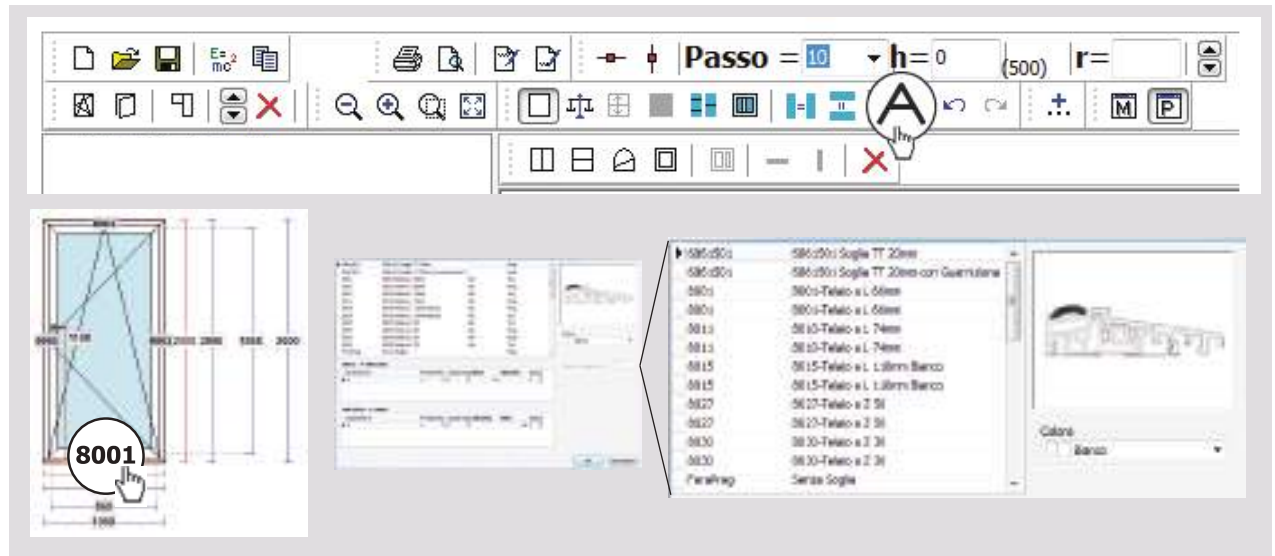
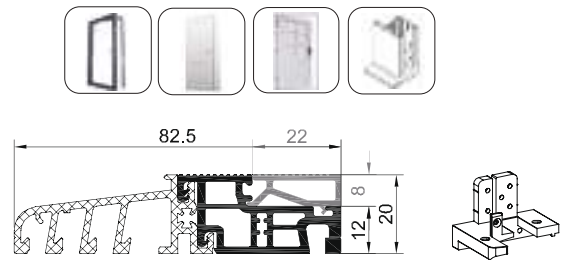
Design	mm	Particolari >>
6039	Alb	6039-Profilo montante 62mm
6040	Alb	6040-Profilo montante 54mm
6060	Alb	6060-Profilo di riparto 64mm
6273	Alb	Profilo riparto piccolo 68mm, Bianco

Threshold & Weather bar / Schwelle & Wetter Schenkel / Soglia & Profilo Gocciolatoio /
Praguri & Lacrimare

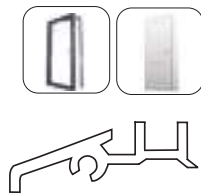
Profile: 2596



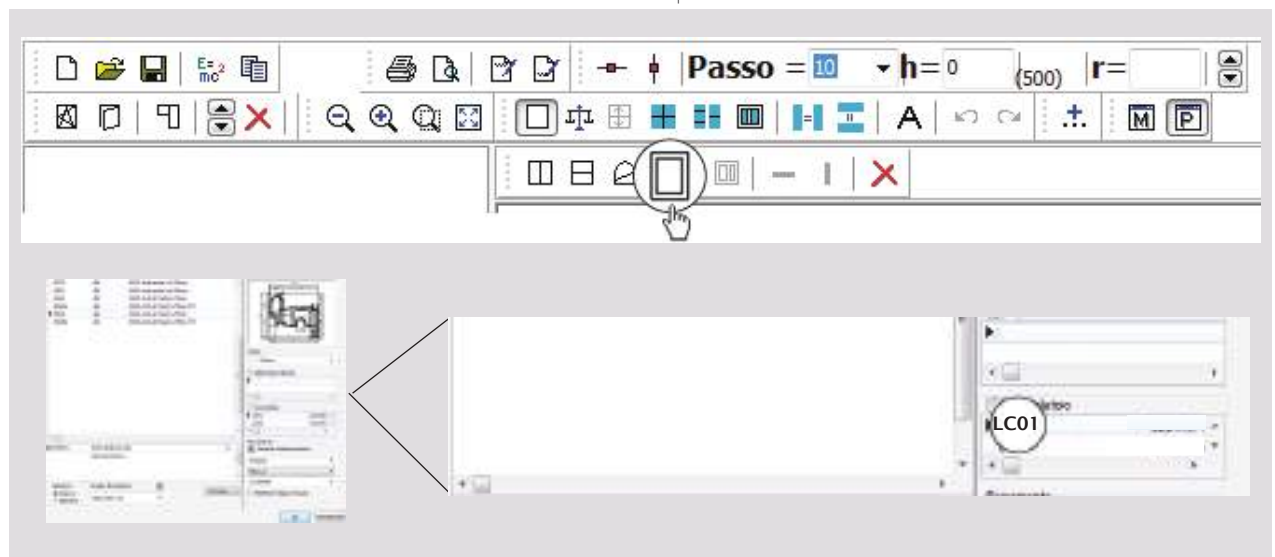
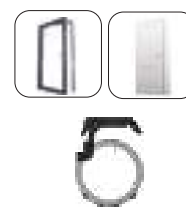
Profile: 2596



Profile: LC03

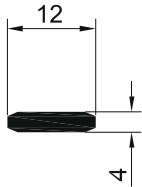


Gasket: 6802101



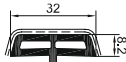
Coupling Profiles / Kopplungsprofile / Profili di accoppiamento / Profile cuplare

Gasket: 500730

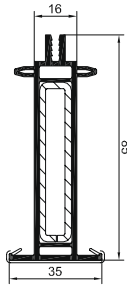


Profile: 6281

Steel 6742
 $I_x=8,07\text{cm}^4$

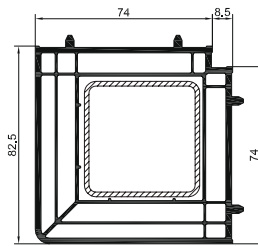


3292



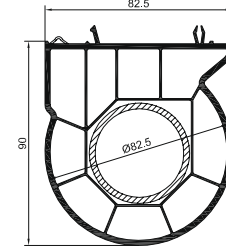
Profile: 2304

Steel 7718
 $I_x=14,37\text{cm}^4$

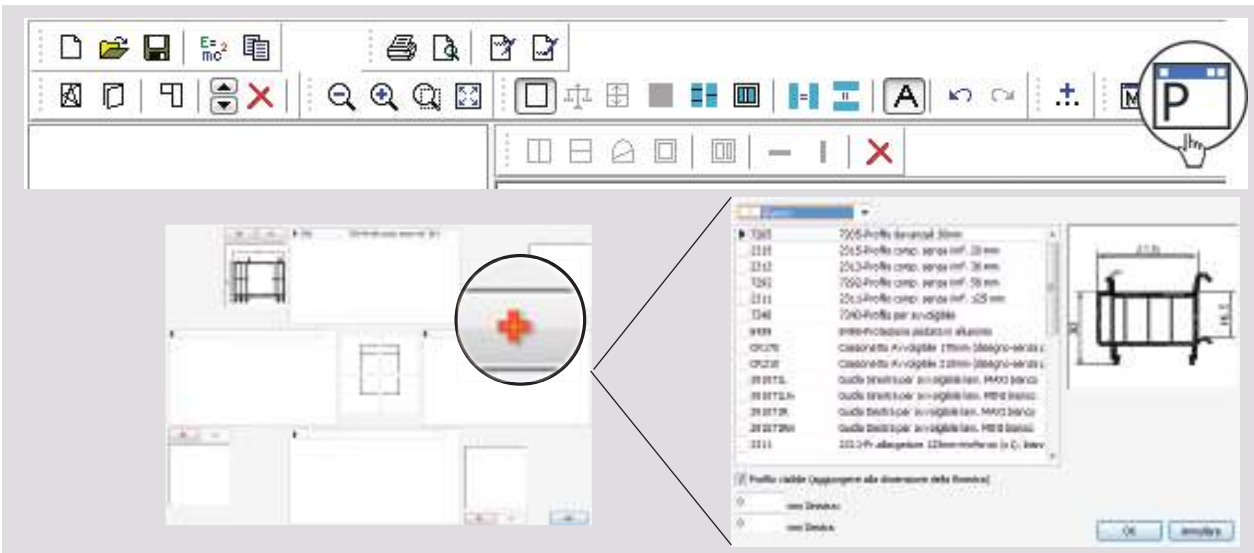
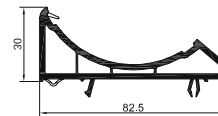


Profile: 5206

Steel 7711
 $I_x=7,54\text{cm}^4$

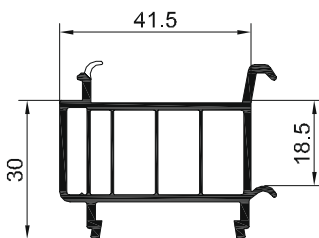


5207

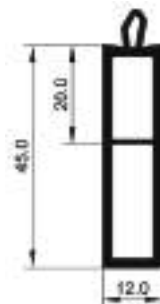


Bank connection profile / Bankanschluss profile / Profili di appoggio inferiore / Profile suprainaltare

Profile: 7205

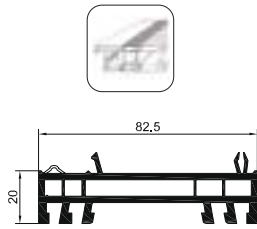


Profile: 3217

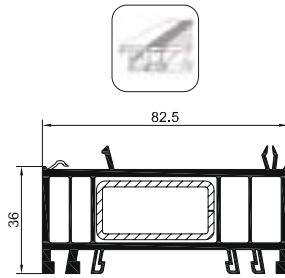


Extension profile / Verbreiterung profile / Allargatori / Extensii toc

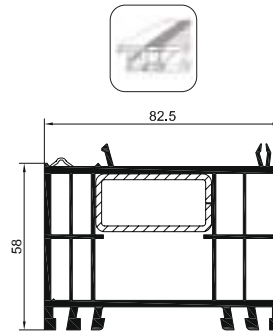
Profile: 5201



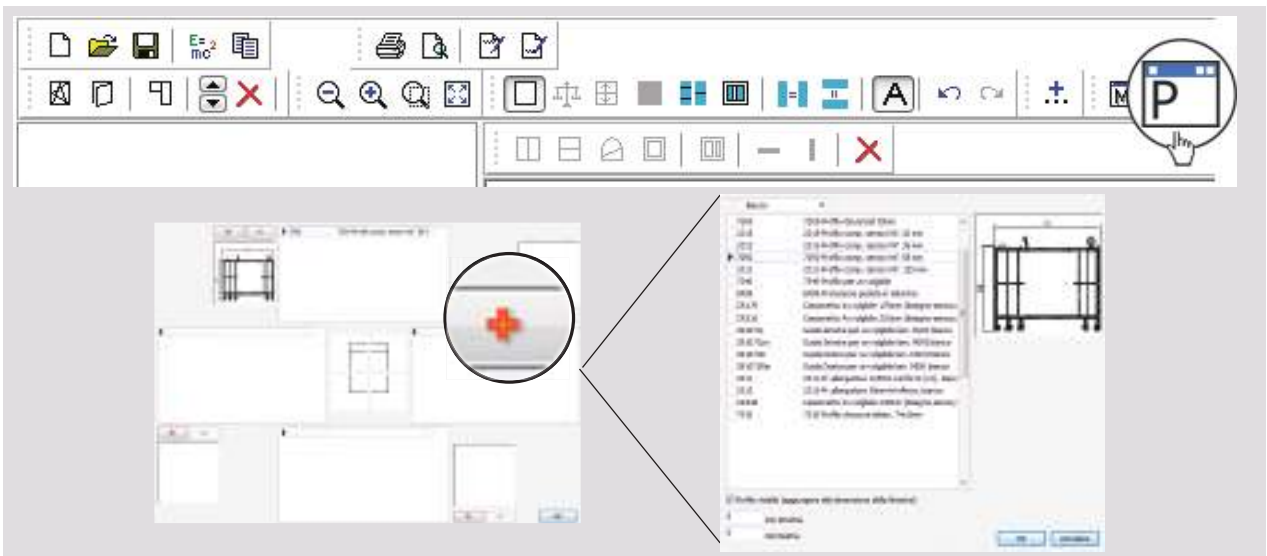
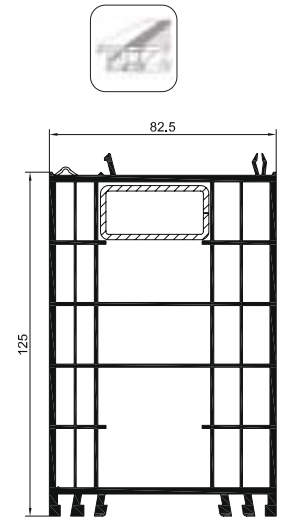
Profile: 5213
Steel 2724*
*Optional



Profile: 5202
Steel 2724*
*Optional



Profile: 5203
Steel 2724*
*Optional



Gasket / Dichtung / Guarnizione / Garnitură

