Janisol Arte 66

Filigrane wärmegedämmte Fenster und Verglasungen aus Stahl

Janisol Arte 66

Fenêtres et vitrages fixes en acier fins à rupture de pont thermique

Janisol Arte 66

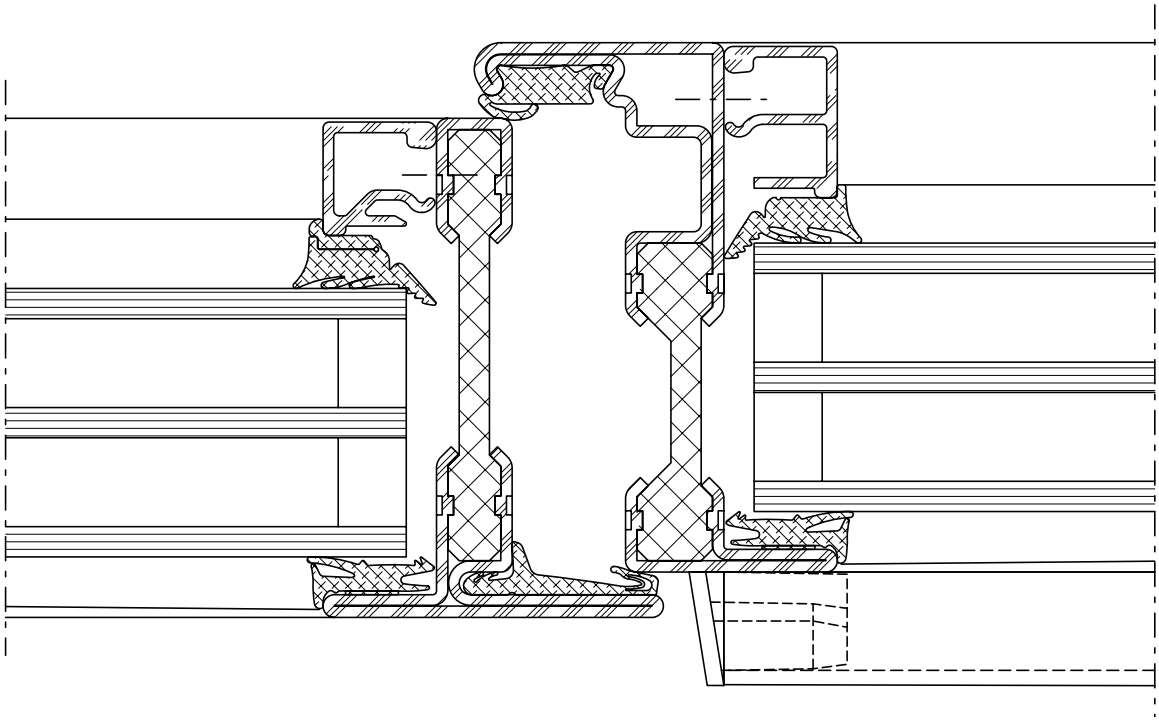
Thermally insulated slim windows and fixed lights in steel

JANSEN

- Wärmegedämmtes Stahlsystem für Fenster und Festverglasungen
- Bautiefe 60/66 mm, Fensterflügel 70 mm
- Schmale Ansichtsbreiten: Fenstersprossen 40 mm Rahmen inkl. Flügel ab 53 mm Stulppartie 76 mm
- Ein- und zweiflüglige Dreh- und Drehkippfenster und Kippfenster nach innen öffnend
- Dreh- und Drekipp-Fensterflügel bis 2300 mm Höhe
- Flügelgewichte bis 180 kg
- Füllelementstärken von 15 bis 44 mm, Glaseinbau mittels Trocken- oder Nassverglasung
- Systemprüfungen nach Produktnorm EN 14351-1
- Profil-Verbundtechnik nach EN 14024 und DIN 18056 geprüft
- Geeignet für Pulver- und Nasslackbeschichtungen
- Oberfläche ZF 100 für ein optimiertes Schweissverhalten

- Système en acier à rupture de pont thermique pour fenêtres et vitrages fixes
- Profondeur de montage 60/66 mm, vantail de fenêtre 70 mm
- Fines largeurs de face: Meneau de fenêtre 40 mm Cadre avec vantail à partir de 53 mm Partie têtière 76 mm
- Fenêtres ouvrant à la française et oscillo-battantes à un et deux vantaux et fenêtres à soufflet à ouverture vers l'intérieur
- Vantaux à la française et oscillo-battants jusqu'à 2300 mm hauteur
- Poids de vantail jusqu'à 180 kg
- Éléments de remplissage de 15 à 44 mm d'épaisseur, montage du vitrage à sec ou au silicone
- Contrôles des systèmes selon la norme produit EN 14351-1
- Technique d'assemblage de profilés contrôlée selon EN 14024 et DIN 18056
- Convient aux revêtements par poudre ou peinture liquide
- Surface ZF 100 pour un comportement au soudage optimisé

- Thermally insulated steel system for windows and fixed glazing
- Basic depth 60/66 mm, window vent 70 mm
- Narrow face widths: Window sash bars 40 mm Frame including vent from 53 mm Double vent assembly 76 mm
- Single and double-vent side-hung and turn/tilt windows and bottom-hung windows, inward-opening
- Side-hung and turn/tilt window vents up to 2300 mm height
- Vent weights up to 180 kg
- Infill unit thicknesses from 15 to 44 mm, glazing installed by means of dry or wet glazing
- System tests in accordance with the product standard EN 14351-1
- Profile bonding technology tested in accordance with EN 14024 and DIN 18056
- Suitable for powder and wet paint coating
- ZF 100 surface finish for optimised welding characteristics



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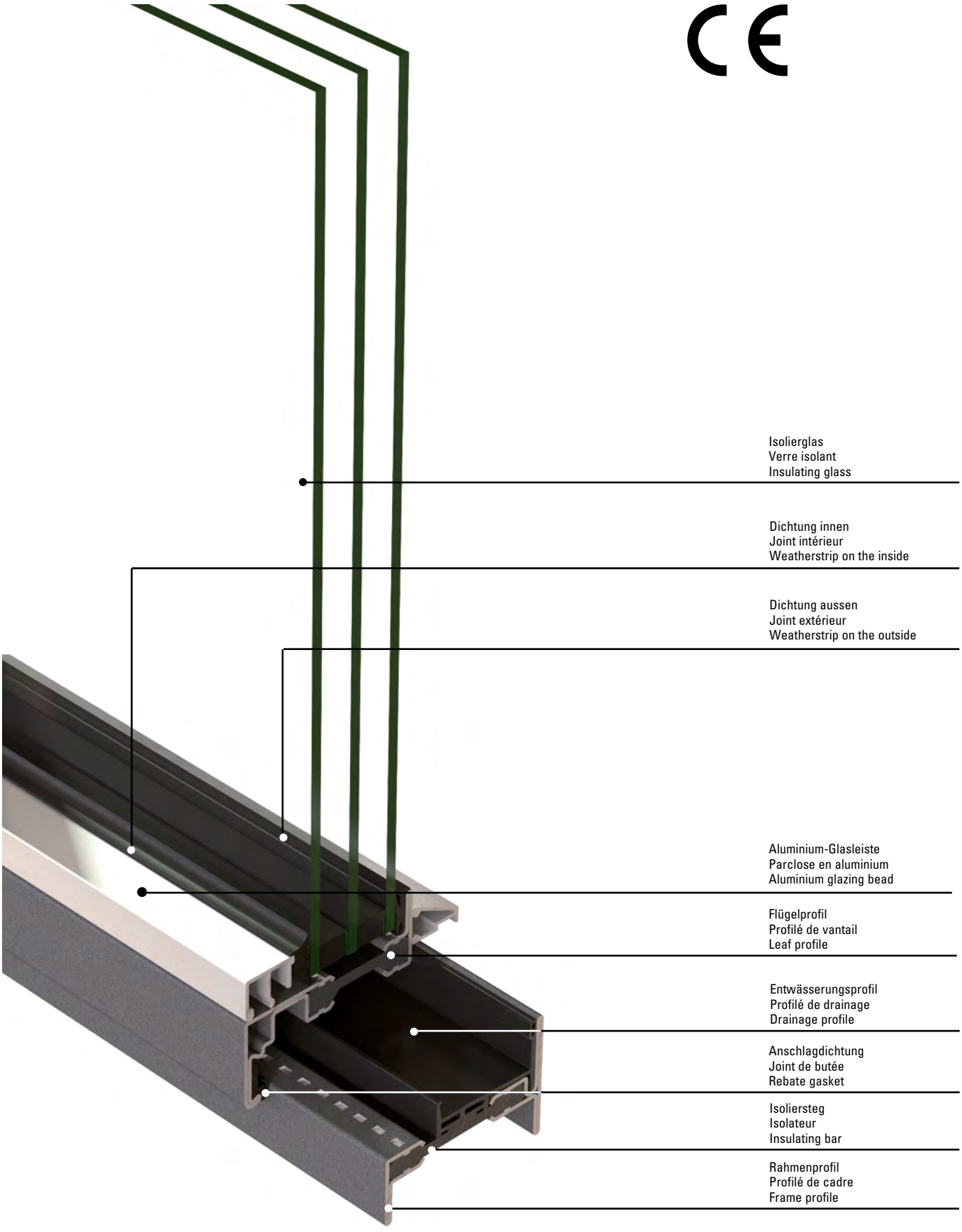
Isolierglas
Verre isolant
Insulating glass
Dichtung innen
Joint intérieur
Weatherstrip on the inside
Dichtung aussen
Joint extérieur
Weatherstrip on the outside
Aluminium-Glasleiste
Parclose en aluminium
Aluminium glazing bead
Flügelprofil
Profilé de vantail
Leaf profile
Entwässerungsprofil
Profilé de drainage
Drainage profile
Anschlagdichtung
Joint de butée
Rebate gasket
Isoliersteg
Isolateur
Insulating bar
Rahmenprofil
Profilé de cadre
Frame profile

Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung / Wert Classification / Valeur Classification / Value									
EN 12210	**Widerstandsfähigkeit bei Windlast** **Résistance à la pression du vent** **Resistance to wind load**	npd	C1 (400)		C2 (800)		C3 (1200)		C4 (1600)		C5 (2000)
EN 12208	**Schlagregendichtheit** **Etanchéité à la pluie battante** **Watertightness**	npd	1A (0)	2A (50)	3A (100)	4A (150)	5A (200)	6A (250)	7A (300)	8A (450)	9A (600)	Exxx (>750)
EN ISO 10140	**Schalldämmung** R_w (C, C_{tr}) (dB) **Isolation phonique** R_w (C, C_{tr}) (dB) **Sound insulation** R_w (C, C_{tr}) (dB)	npd	bis R_w 47 dB (-2; -7) jusqu'à R_w 47 dB (-2; -7) up to R_w 47 dB (-2; -7)									
EN ISO 10077-2	**Wärmedurchgangskoeffizient** U_f (W/(m²·K)) **Transmission thermique** U_f (W/(m²·K)) **Thermal production** U_f (W/(m²·K))	npd	ab 1,6 W/m²·K à partir de 1,6 W/m²·K from 1,6 W/m²·K									
EN 12207	**Luftdurchlässigkeit** **Perméabilité à l'air** **Air permeability**	npd	1 (150)		2 (300)		3 (600)		4 (600)			
EN 14351-1	**Tragfähigkeit von Sicherheitsvorrichtungen** **Capacité portante des dispositifs de sécurité** **Load-bearing capacity of safety devices**	npd	Anforderung erfüllt Exigence remplie Requirement satisfied									
EN 13115	**Mechanische Festigkeit** **Résistance mécanique** **Mechanical strength**	npd	1		2		3		4			
EN 13115	**Bedienkräfte** **Forces de manœuvre** **Operating forces**	npd	0			1			2			
EN 13049	**Stossfestigkeit** **Résistance aux chocs** **Impact resistance**	npd	1		2		3		4		5	
EN 14024	**Metallprofile mit thermischer Trennung** **Profilés en métal. avec rupture de pont thermique** **Metal profiles with thermal barrier**	CW / TC2 / A										
DIN 18008-4	**Vorgefertigte absturzsichernde Verglasung** **Vitrage anti-chutes préfabriqué** **Prefabricated glazing suitable for safety barrier loading**	Anhang D.1.2 erfüllt Annexe D.1.2 satisfaite Appendix D.1.2 fulfilled										

npd = keine Leistung festgestellt (no performance determined)

npd = aucune performance déterminée (no performance determined)

npd = no performance determined

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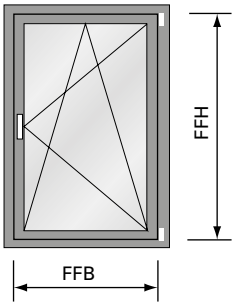
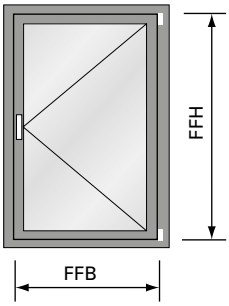
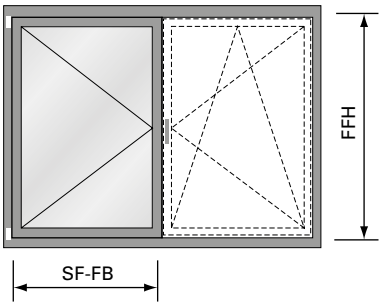






Flügelgrössen
Drehkipp-, Drehfenster und Stulpfenster:

Max.	FFH =	2300 mm
	FFB =	1400 mm
Min.	FFH =	470 mm
	FFB =	480 mm

Max. Gewicht: 180 kg
FFB/FFH: ≤ 2
max. Fläche: 2,3 m²

Grandeurs du vantail
fenêtre oscillo-battante, à la française et fenêtre à deux vantaux:

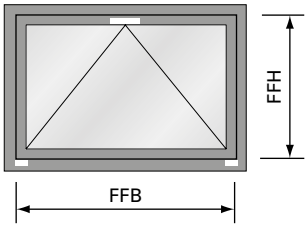
Max.	FFH =	2300 mm
	FFB =	1400 mm
Min.	FFH =	470 mm
	FFB =	480 mm

Poids max.: 180 kg
FFB/FFH: ≤ 2
Surface max: 2,3 m²

Size of vents
turn/tilt, side-hung and double-vent windows:

Max.	FFH =	2300 mm
	FFB =	1400 mm
Min.	FFH =	470 mm
	FFB =	480 mm

Max. weight: 180 kg
FFB/FFH: ≤ 2
max. surface: 2,3 m²



Flügelgrösse
Kipp-Fenster:

Max.	FFH =	2300 mm
	FFB =	2300 mm
Min.	FFH =	600 mm
	FFB =	445 mm

Max. Gewicht: 80 kg

Grandeur du vantail
fenêtre à soufflet:

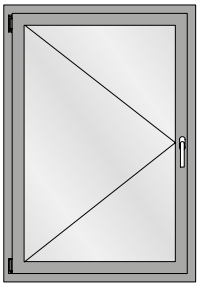
Max.	FFH =	2300 mm
	FFB =	2300 mm
Min.	FFH =	600 mm
	FFB =	445 mm

Poids max.: 80 kg

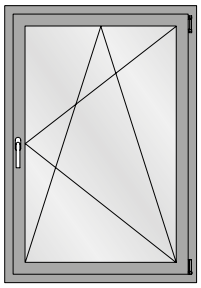
Size of vent
bottom-hung window:

Max.	FFH =	2300 mm
	FFB =	2300 mm
Min.	FFH =	600 mm
	FFB =	445 mm

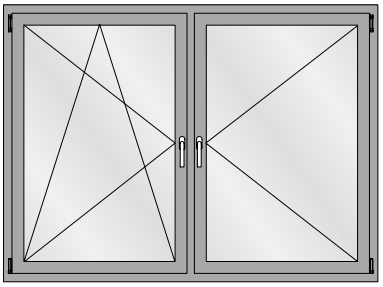
Max. weight: 80 kg



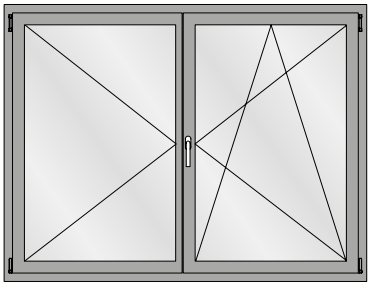
Drehflügel
Fenêtre à la française
Side-hung window



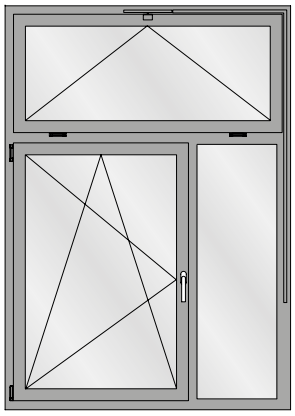
Drehkipp-Flügel
Vantail oscillo-battant
Turn/tilt window



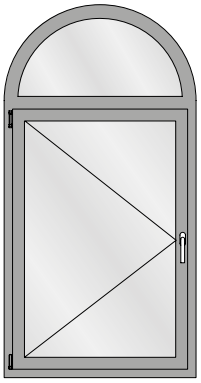
Drehkipp/Drehflügel (mit Pfosten)
Vantail oscillo-battant/fenêtre à la française (avec montant)
Side-hung/turn/tilt window (with mullion)



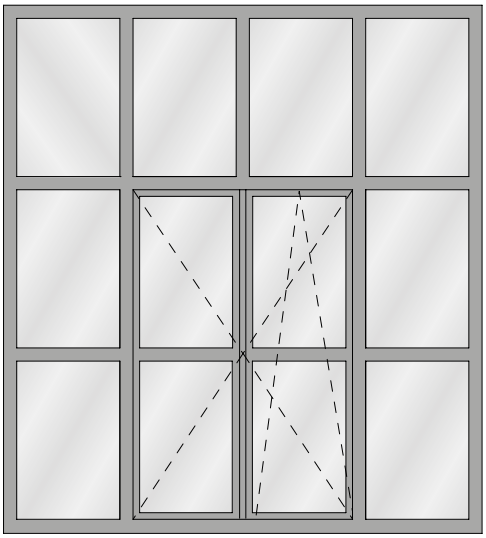
Stulpfenster
Fenêtre à deux vantaux
Double leaf window



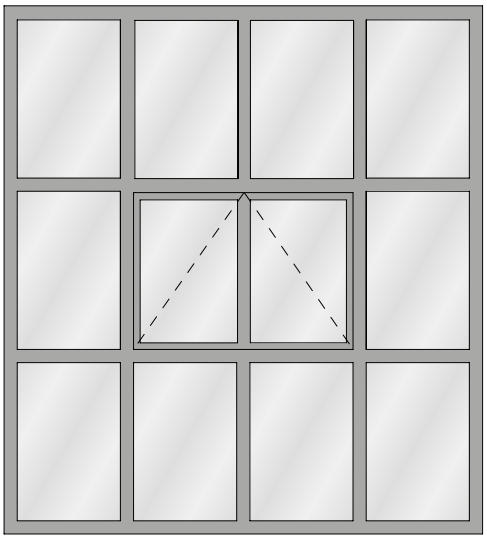
Fenster Drehkipp mit Oberlicht
Vantail oscillo-battant avec imposte
Window, turn/tilt with top light



Einflügeliges Fenster mit Rundbogen-Oberlicht
Fenêtre à la française avec imposte demi-rond
Side hung window with round arched top light

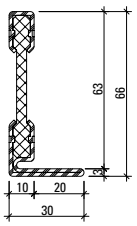


Drehkipp-Flügel mit Festverglasung
Vantail oscillo-battant avec vitrage fixe et imposte
Turn/tilt window with fixed lights and top lights

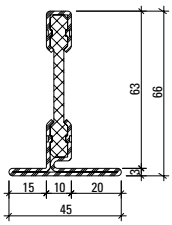


Kippfenster
Fenêtre à soufflet
Bottom-hung window

Profile mit Lappen 20 mm (Rahmen Drehkipp-Fenster)



601.630 Z



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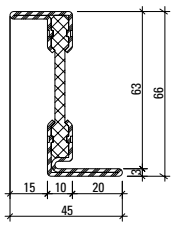

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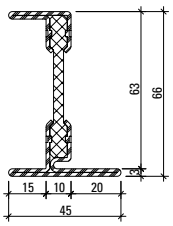

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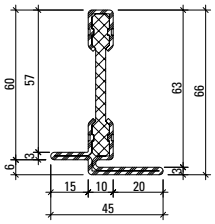

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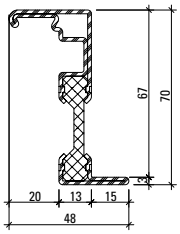

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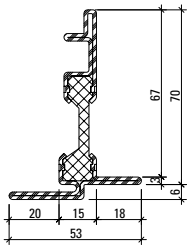

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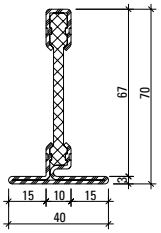
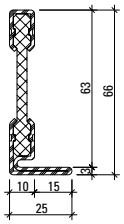
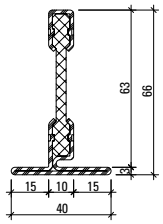


602.611.7 Z

Profile mit Lappen 15 mm (Festverglasungen)

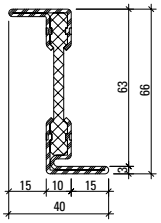


601.612 Z



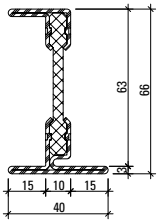
602.613 Z

Profilés avec battue 15 mm (Vitrages fixes)



603.612 Z
603.612.01
603.612.09

Profiles with lips 15 mm (Fixed glazings)



605.612 Z

Werkstoffe

Artikel-Nr.

mit Z = bandverzinkter Stahl
Edelstahl = auf Anfrage
Corten = auf Anfrage

Matériaux

No. d'article

avec Z = bande d'acier zinguée
Acier Inox = sur demande
Corten = sur demande

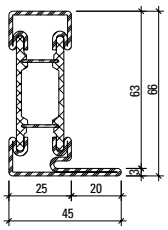
Materials

Part no.

with Z = strip galvanised steel
Stainless steel = on request
Corten = on request

Profil-Nr.	G kg/m	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	U m²/m
601.630 Z	2,276	9,63	2,12	1,37	0,65	0,214
602.630 Z	2,615	10,65	2,20	2,42	1,02	0,243
603.630 Z	2,619	14,84	3,93	2,42	1,02	0,243
605.630 Z	2,958	16,83	4,05	3,19	1,24	0,272
602.631 Z	2,609	10,11	2,14	2,41	1,01	0,242
602.611.7 Z	2,353	11,85	2,35	1,68	0,84	0,241

Profil-Nr.	G kg/m	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	U m²/m
601.612 Z	2,159	9,23	2,12	0,83	0,48	0,204
602.613 Z	2,497	10,41	2,20	1,71	0,85	0,233
603.612 Z	2,502	13,98	3,87	1,71	0,85	0,234
605.612 Z	2,840	16,21	4,02	2,35	1,07	0,262
610.900 Z	3,048					0,272
610.901 Z	3,410					0,298



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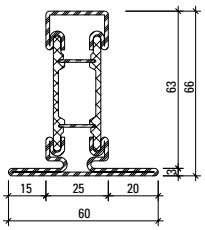

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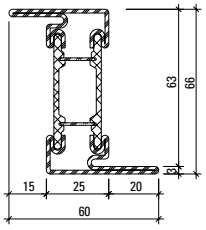

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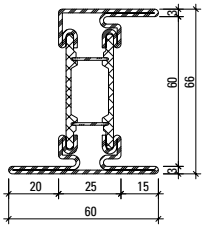
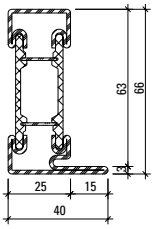
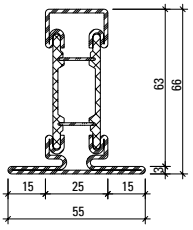


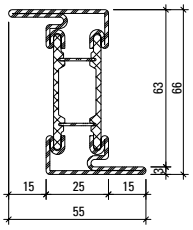
605.632 Z



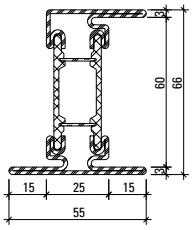
601.645 Z



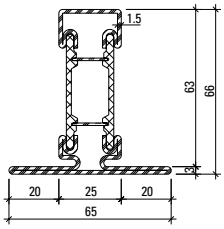
602.645 Z



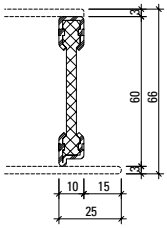
603.645 Z



605.645 Z



602.633 Z



600.612 Z

Werkstoffe

Artikel-Nr.

mit Z = bandverzinkter Stahl

Matériaux

No. d'article

avec Z = bande d'acier zinguée

Materials

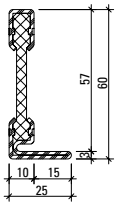
Part no.

with Z = strip galvanised steel

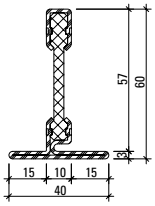
Profil-Nr.	G kg/m	Ix cm^4	Wx cm^3	Iy cm^4	Wy cm^3	U m^2/m
601.632 Z	3,217	16,98	4,21	4,70	1,67	0,249
601.645 Z	3,100	16,29	4,16	3,70	1,52	0,239
602.632 Z	3,701	19,13	4,34	7,15	2,28	0,290
602.645 Z	3,584	18,63	4,31	5,88	2,14	0,280
603.632 Z	3,700	22,63	6,61	7,16	2,28	0,290

Profil-Nr.	G kg/m	Ix cm^4	Wx cm^3	Iy cm^4	Wy cm^3	U m^2/m
603.645 Z	3,583	21,56	6,53	5,88	2,14	0,280
605.632 Z	4,184	26,12	6,83	9,02	2,68	0,331
605.645 Z	4,067	25,31	6,78	7,54	2,53	0,321
602.633 Z	3,819	19,58	4,37	8,53	2,62	0,300
600.612 Z	1,292	4,39	1,44	0,14	0,26	0,150

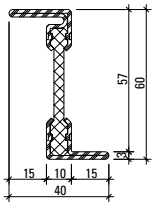
Profile Janisol Arte 2.0 (Lappen 15 mm)



601.611 Z
601.611.01
601.611.09

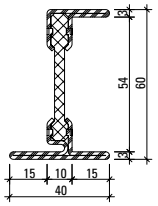


602.611 Z
602.611.01
602.611.09

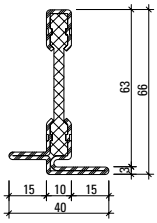


603.611 Z
603.611.01
603.611.09

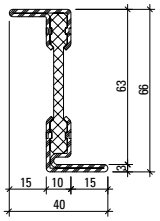
Profiles Janisol Arte 2.0 (Lappen 15 mm)



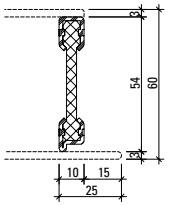
605.611 Z
605.611.01
605.611.09



602.612 Z
602.612.01
602.612.09



603.612 Z
603.612.01
603.612.09



600.609 Z

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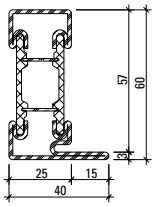
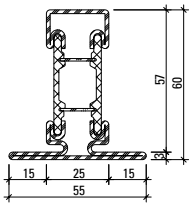
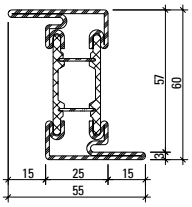


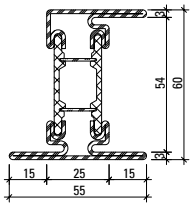
601.615 Z
601.615.09



602.615 Z
602.615.01
602.615.09



603.615 Z
603.615.09



605.615 Z
605.615.09

Stirnseitige Kennzeichnung
Edelstahl (01) = Blau
Corten (09) = Grün

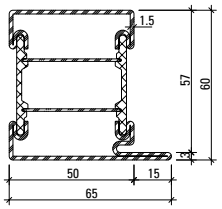
Marquage en face avant
Acier inox (01) = Bleu
Corten (09) = Vert

Labelling on the front
Stainless steel (01) = Blue
Corten (09) = Green

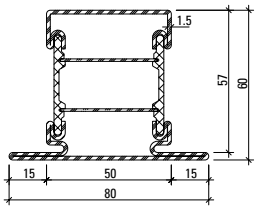
Profil-Nr.	G kg/m	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	U m²/m
601.611 Z	1,930	7,31	1,85	0,78	0,46	0,192
602.611 Z	2,269	11,85	2,35	1,68	0,84	0,241
603.611 Z	2,273	11,13	3,47	1,68	0,84	0,222
605.611 Z	2,612	13,04	3,60	2,31	1,05	0,251
602.612 Z	2,491	9,75	2,11	1,71	0,85	0,232
603.612 Z	2,502	13,98	3,87	1,71	0,85	0,234

Profil-Nr.	G kg/m	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	U m²/m
600.609 Z	1,242	3,39	1,23	0,14	0,26	0,138
601.615 Z	3,020	12,93	3,64	3,70	1,52	0,227
602.615 Z	3,516	14,85	3,79	5,88	2,14	0,268
603.615 Z	3,515	17,23	5,74	5,88	2,14	0,268
605.615 Z	3,999	20,27	5,97	7,53	2,53	0,309

Profile Janisol Arte 2.0 (Lappen 15 mm)

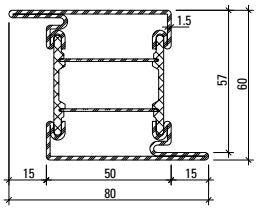


601.616 Z



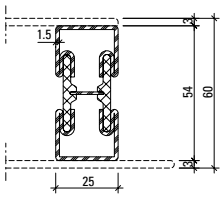
602.616 Z

Profilés Janisol Arte 2.0 (Lappen 15 mm)

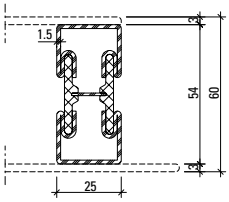


603.616 Z

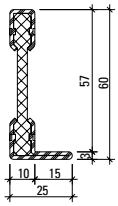
Profiles Janisol Arte 2.0 (Lappen 15 mm)



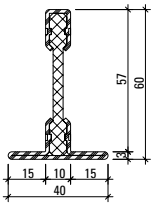
600.008 Z



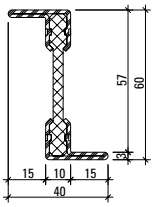
600.008 Z



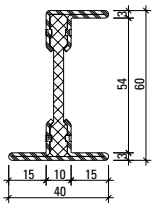
601.610
601.610 Z
601.610.01
601.610.09



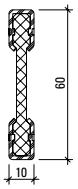
602.610
602.610 Z
602.610.01
602.610.09



603.610
603.610 Z
603.610.01
603.610.09



605.610
605.610 Z
605.610.01
605.610.09



600.610 Z

Werkstoffe

Artikel-Nr.

ohne Zusatz = blank

mit Z = bandverzinkter Stahl

mit 01 = Edelstahl, blank, Werkstoff 1.4401 (AISI 316)

mit 09 = Stahl KB DOCOL 355W (Corten)

Matériaux

No. d'article

sans supplément = brut

avec Z = bande d'acier zinguée

avec 01 = acier Inox, brut, matériau 1.4401 (AISI 316)

avec 09 = acier KB DOCOL 355W (Corten)

Materials

Part no.

without addition = bright

with Z = strip galvanised steel

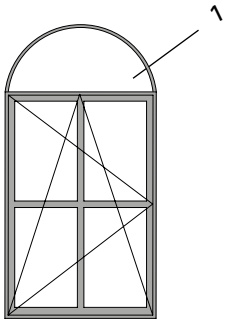
with 01 = stainless steel, bright, material 1.4401 (AISI 316)

with 09 = steel KB DOCOL 355W (Corten)

Profil-Nr.	G kg/m	Ix cm^4	Wx cm^3	Iy cm^4	Wy cm^3	U m^2/m
601.616 Z	3,746	17,89	5,20	16,30	4,60	0,295
602.616 Z	4,239	20,08	5,33	22,41	5,60	0,318
603.616 Z	4,219	22,02	7,34	22,38	5,59	0,318
601.610	1,875	6,90	1,84	0,75	0,45	0,180
602.610	2,224	8,14	1,95	1,68	0,84	0,208
603.610	2,218	10,30	3,43	1,68	0,84	0,210
605.610	2,530	12,49	3,58	2,31	1,04	0,232
600.610 Z	1,532	4,94	1,65	0,18	0,36	0,151
600.008 Z	2,826	8,12	2,82	2,57	5,06	0,170
600.007 Z	3,429	12,46	4,33	13,50	5,40	0,220

Gewichte für Edelstahlprofile
Poids pour profilés en acier Inox
Weights for stainless steel profiles

601.611.01	**= 1,964 kg/m**
602.611.01	**= 2,311 kg/m**
603.611.01	**= 2,316 kg/m**
605.611.01	**= 2,663 kg/m**
602.612.01	**= 2,536 kg/m**
603.612.01	**= 2,548 kg/m**
602.615.01	**= 3,517 kg/m**
601.610.01	**= 1,906 kg/m**
602.610.01	**= 2,263 kg/m**
603.610.01	**= 2,258 kg/m**
605.610.01	**= 2,608 kg/m**



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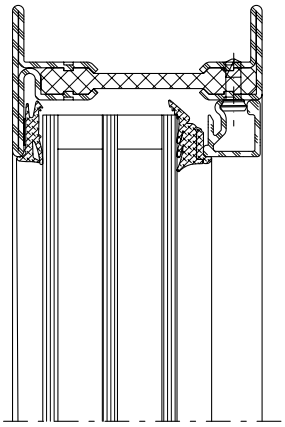
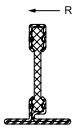
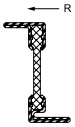
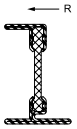
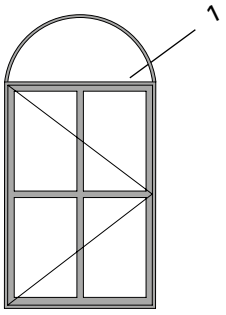
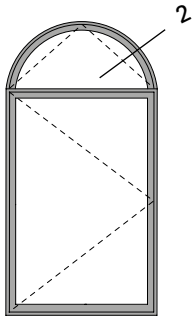


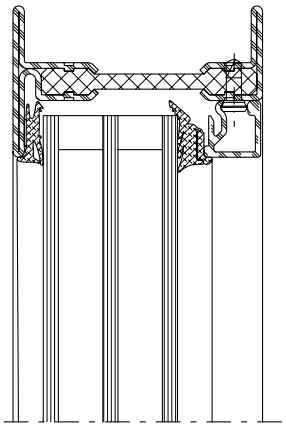
Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
	
601.612	450 mm
	
602.613	450 mm

Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
	
603.612	450 mm
603.612.09	450 mm
	
605.612	450 mm





1.0



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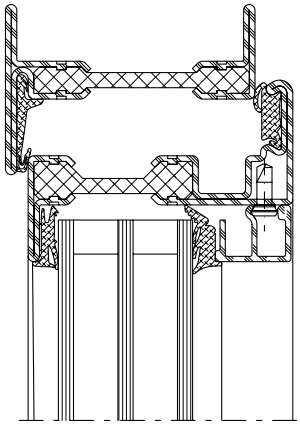
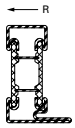
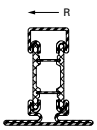
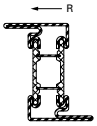
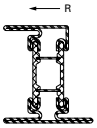


Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
	
601.632 Z	
601.645 Z	
	
602.632 Z	
602.645 Z	
602.633 Z	

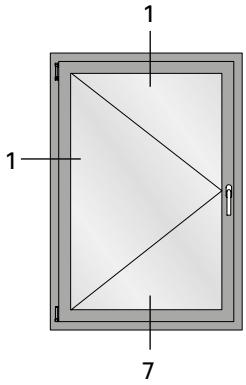
Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
	
603.632 Z	
603.645 Z	
	
605.632 Z	
605.645 Z	

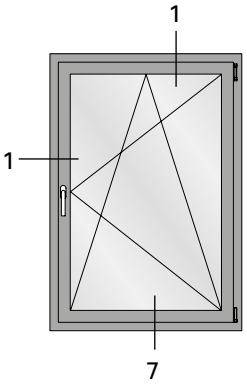
Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
	
405.030	440 mm
405.031	440 mm
405.032	440 mm
405.033	440 mm

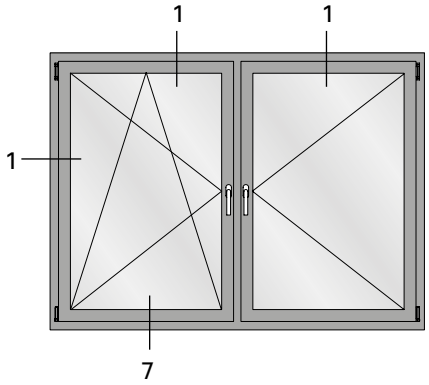
Biegeradien auf Anfrage!
Rayons de courbure sur demande!
Bending radii on request!

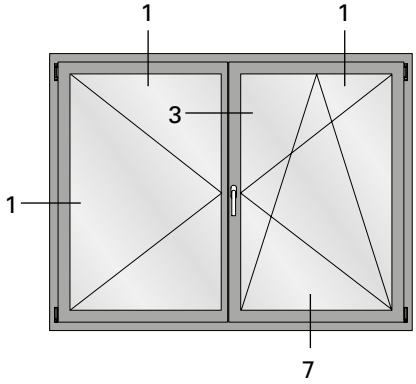
Schnittpunkte nach innen öffnend
Coupe de détails ouvrant vers l'intérieur
Section details opening inwards

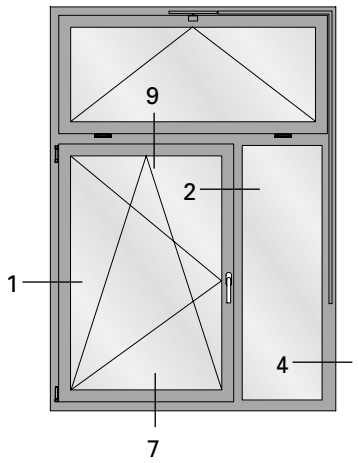
Janisol Arte 66
Janisol Arte 66
Janisol Arte 66

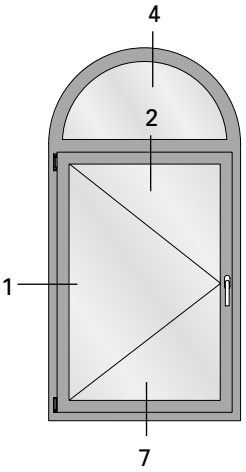


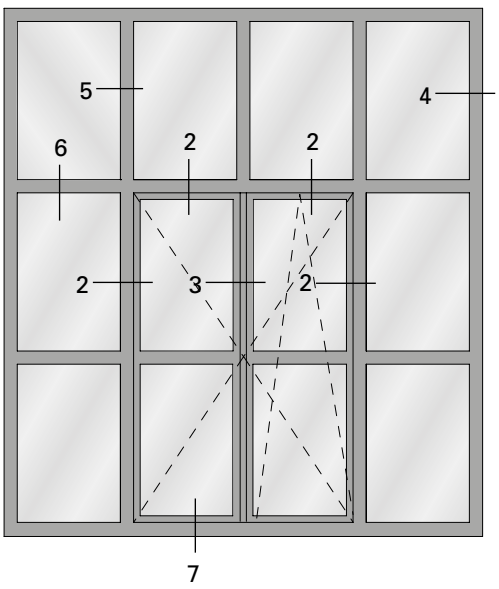


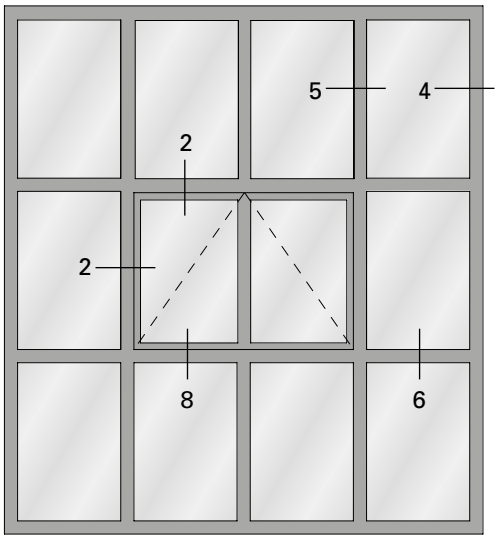












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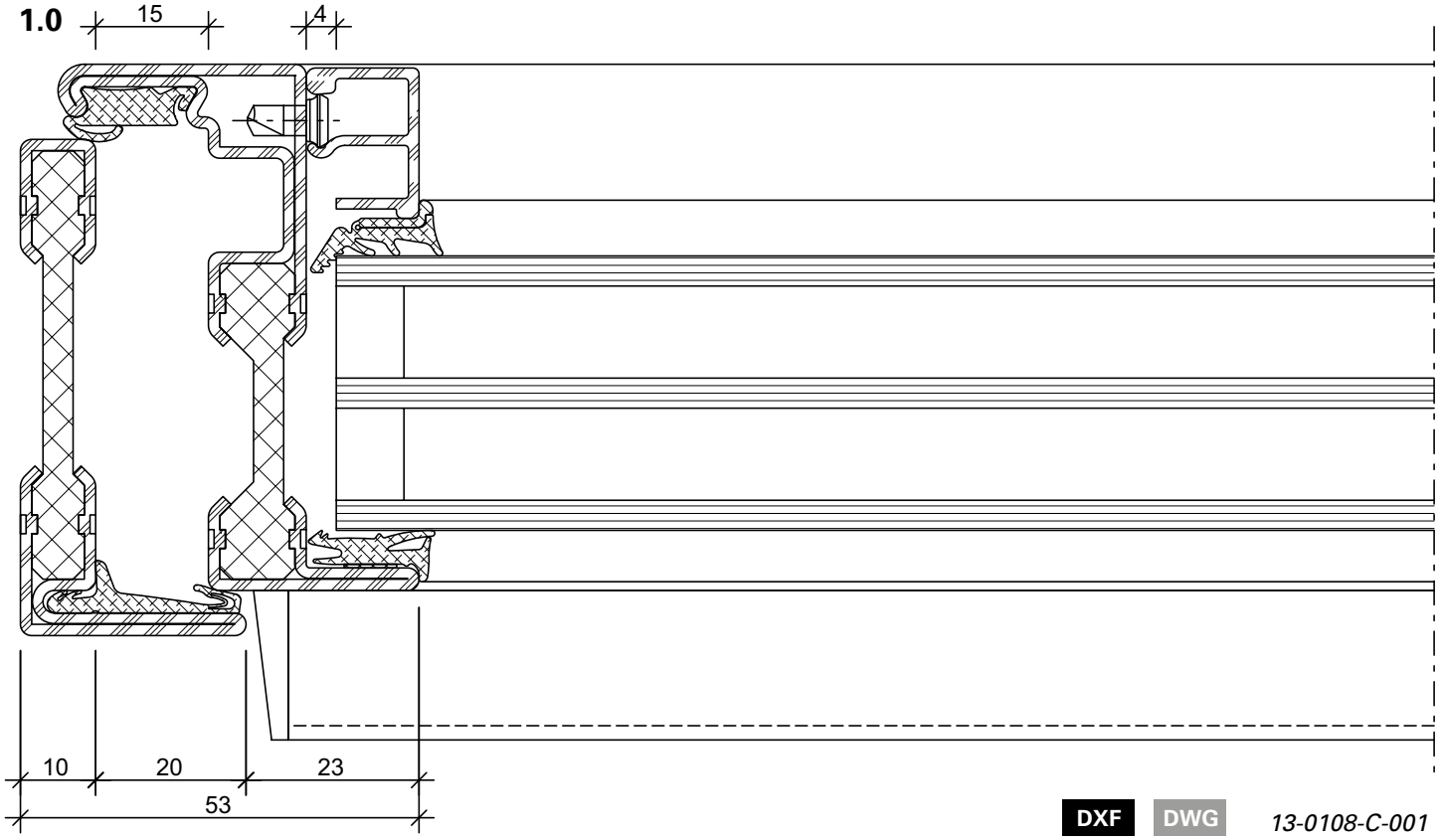
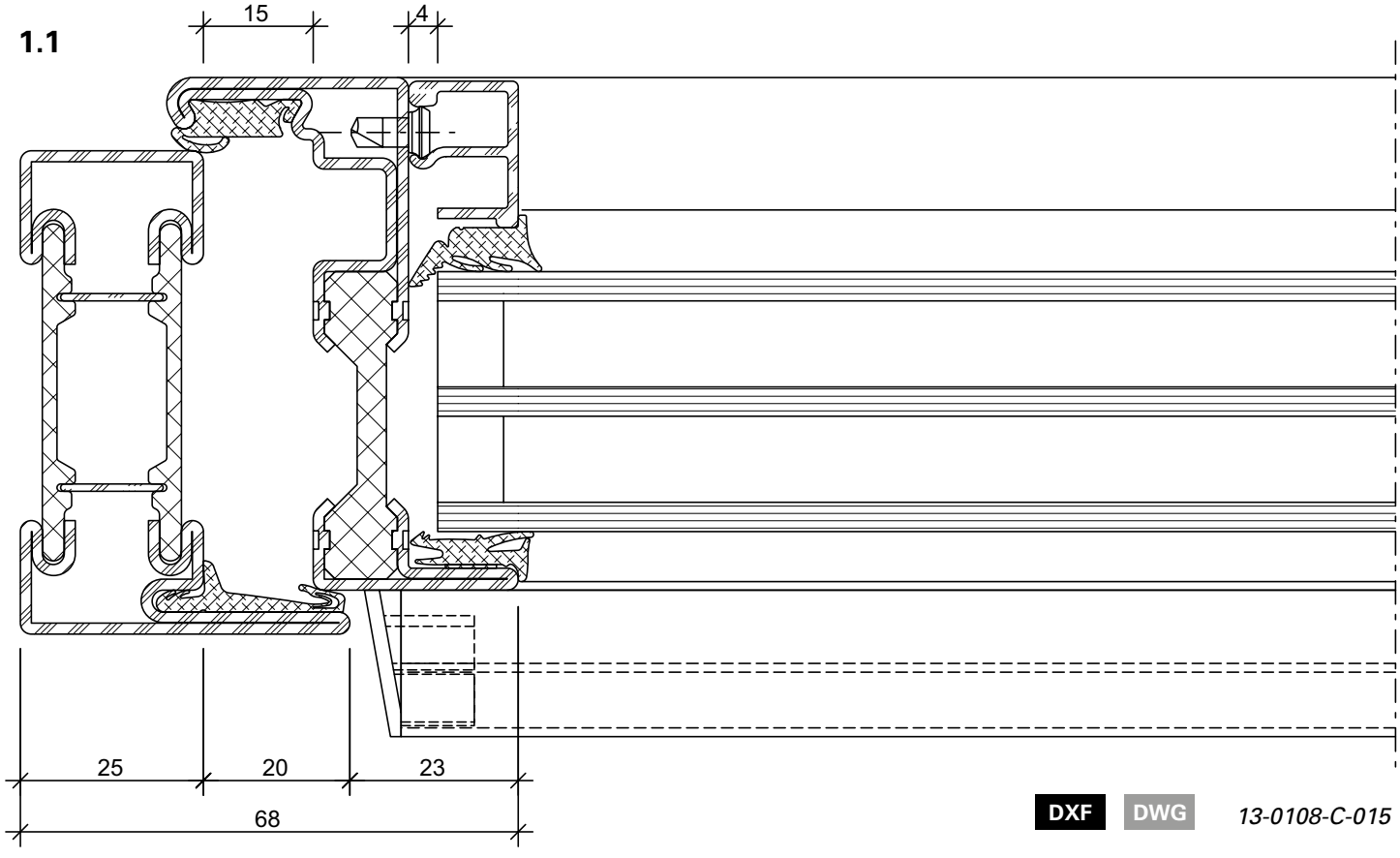


DXF DWG *13-0108-C-001*

1.1



DXF DWG *13-0108-C-015*

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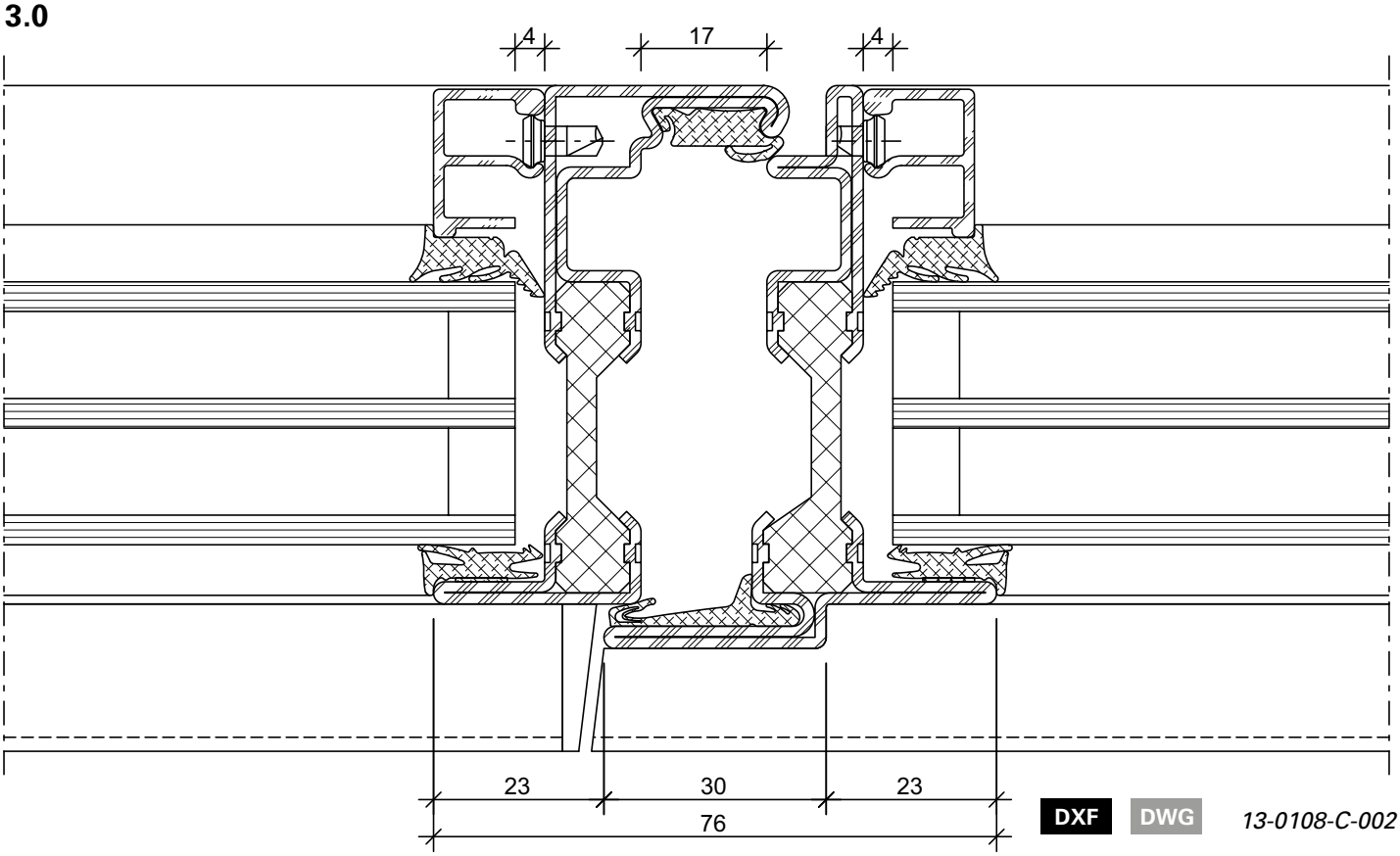
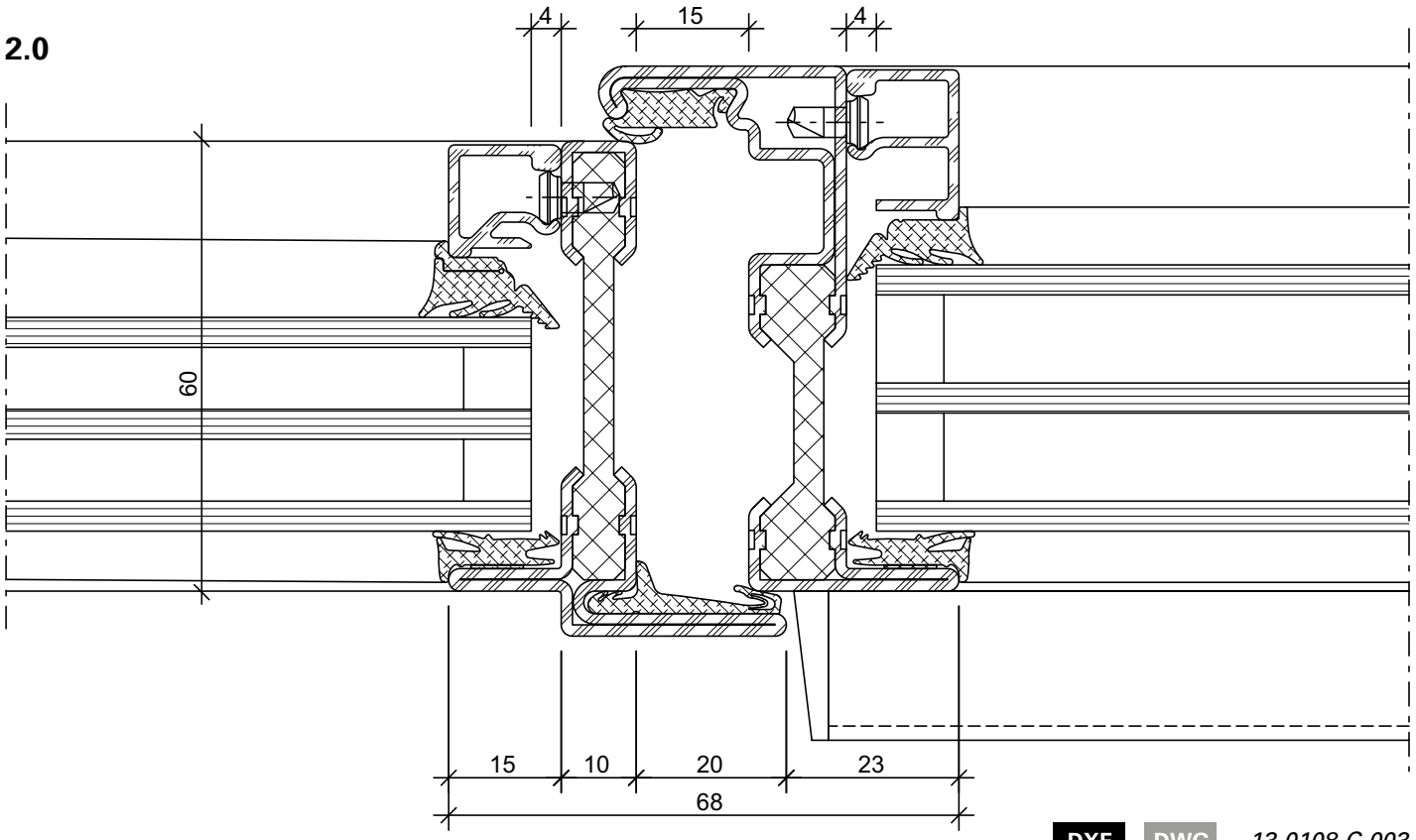


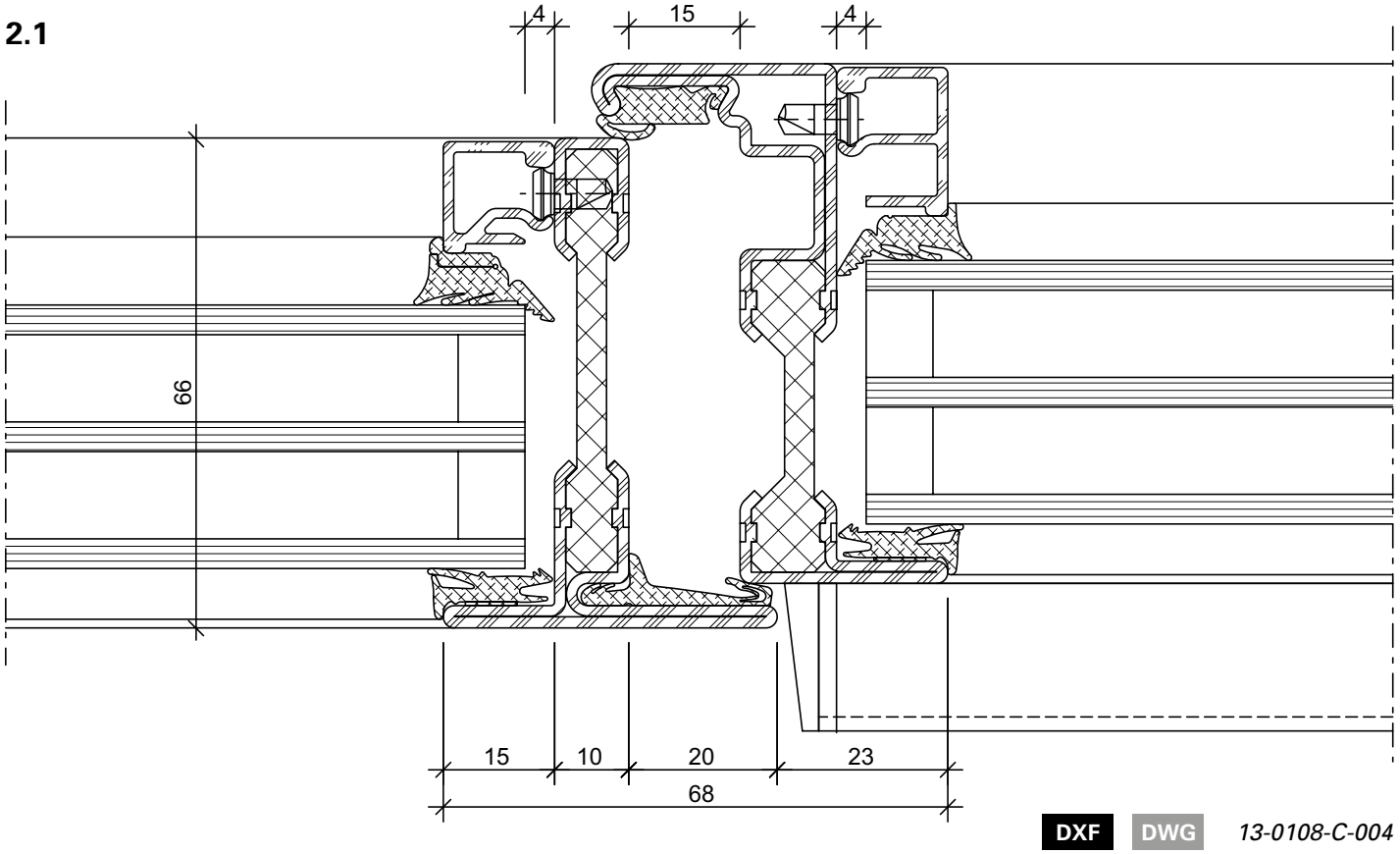
DXF DWG *13-0108-C-002*

2.0



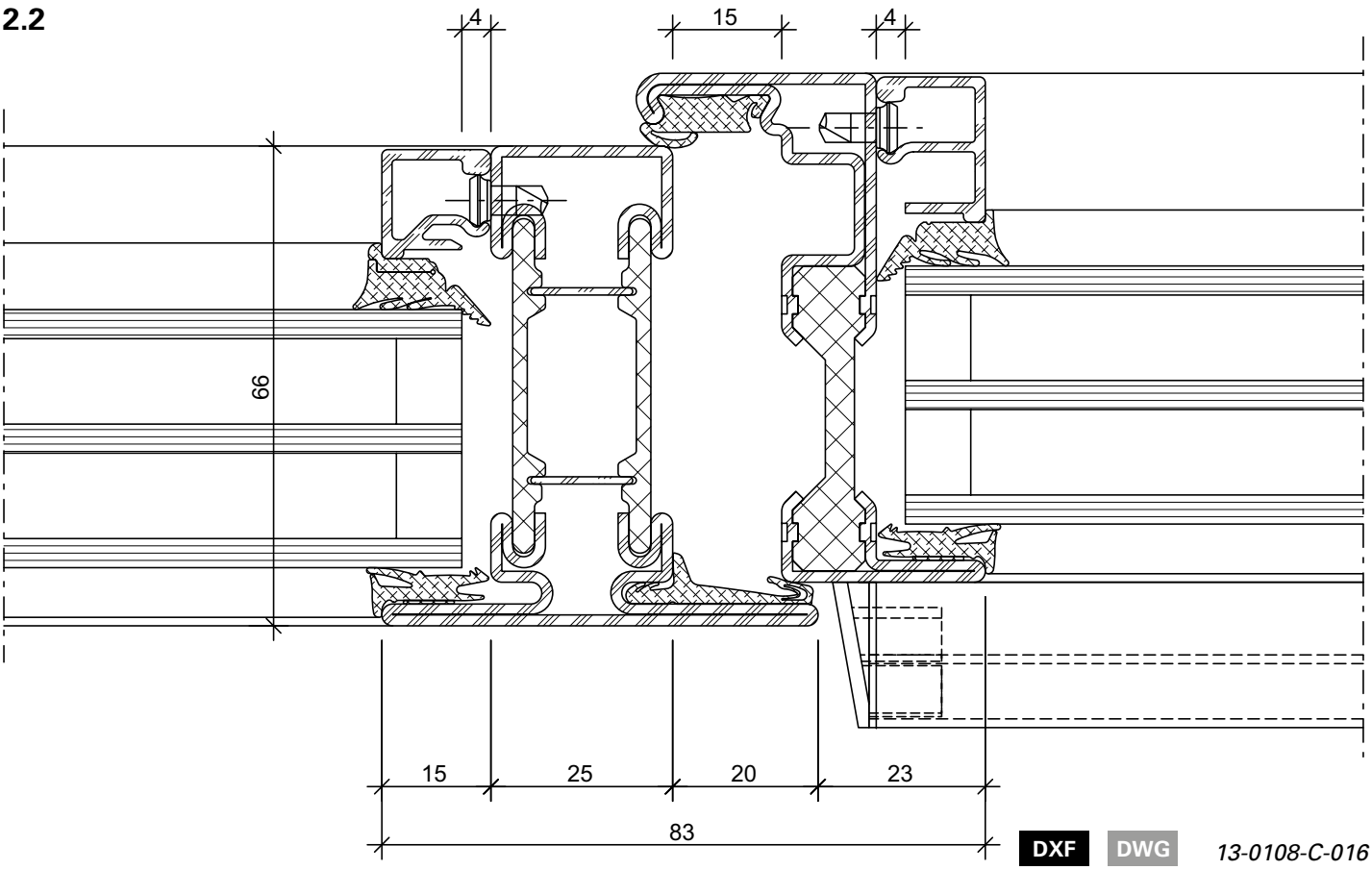
DXF **DWG** *13-0108-C-003*

2.1



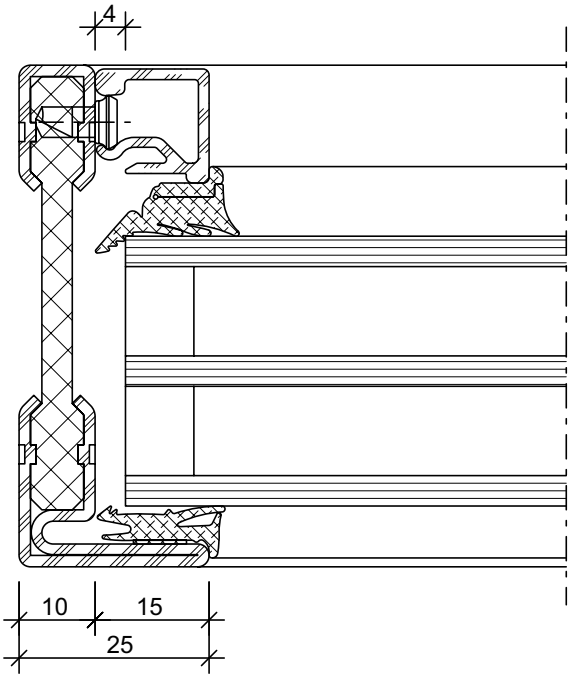
DXF **DWG** *13-0108-C-004*

2.2



DXF DWG *13-0108-C-016*

4.0



DXF DWG *13-0108-C-006*

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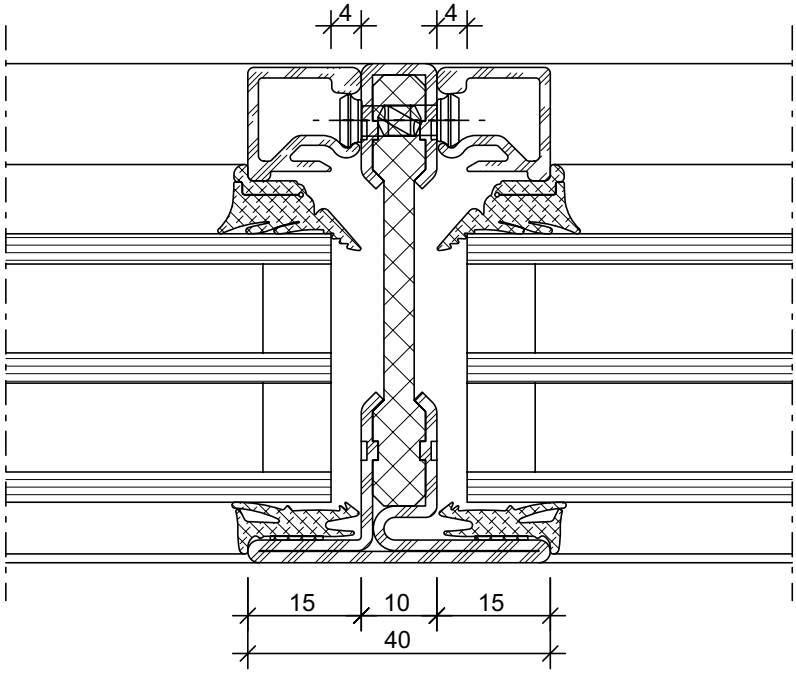
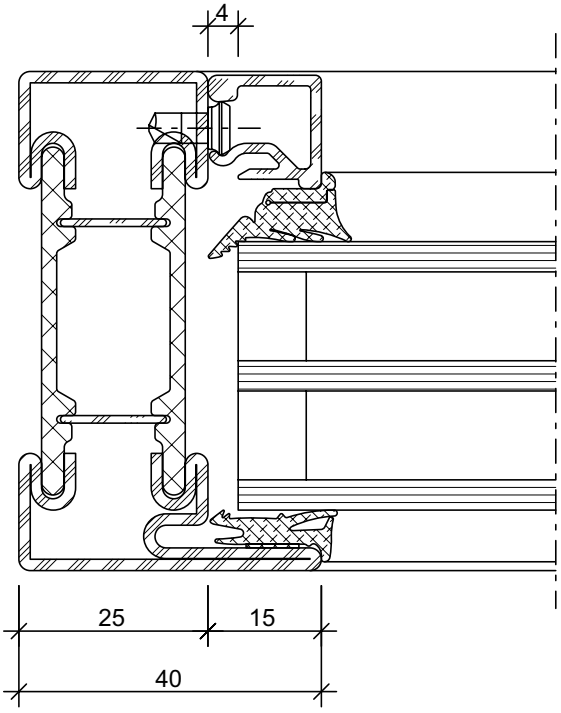


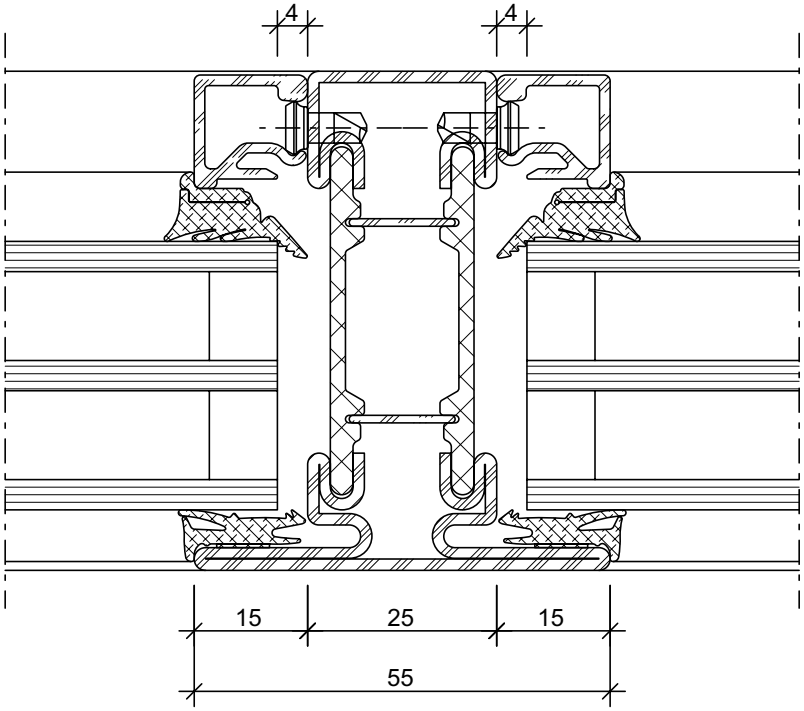
DXF DWG *13-0108-C-007*

4.1



DXF DWG *13-0108-C-017*

5.1



DXF DWG *13-0108-C-018*

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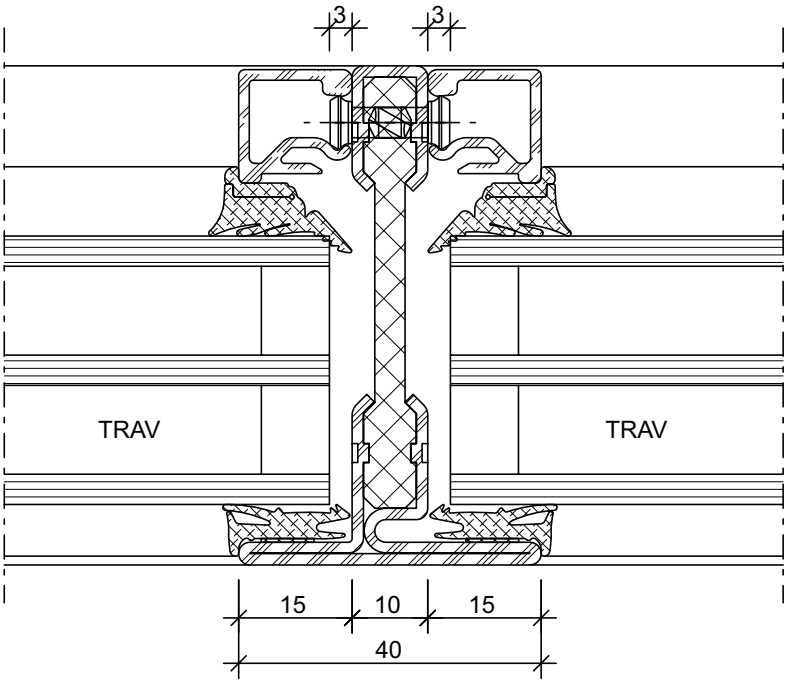

DXF DWG *13-0108-C-014*

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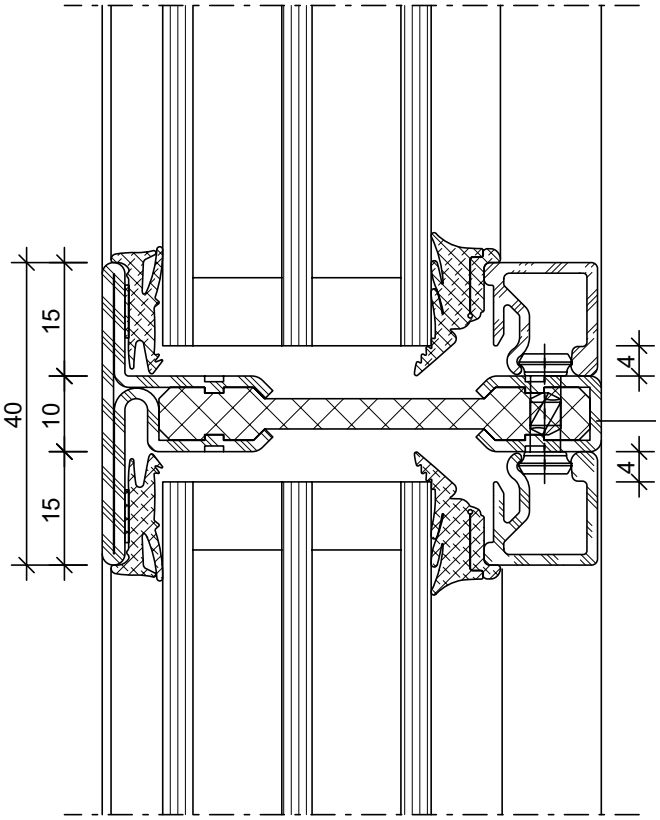
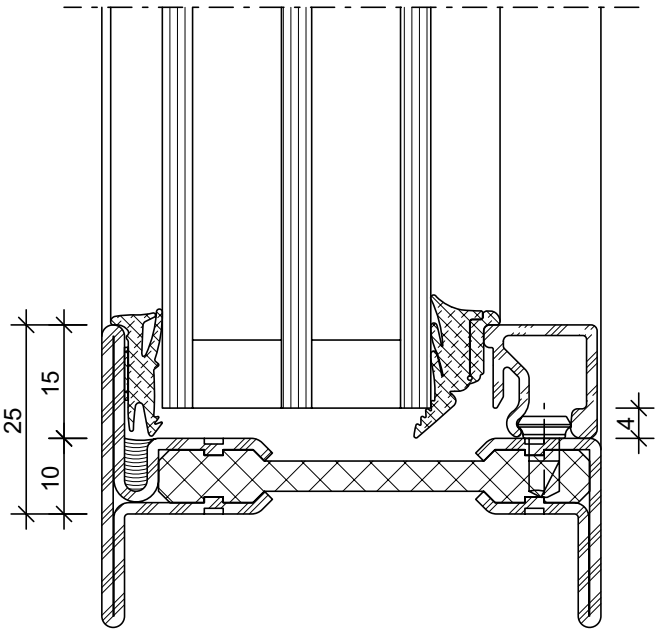


13-0108-C-009

DWG

DXF

4.1

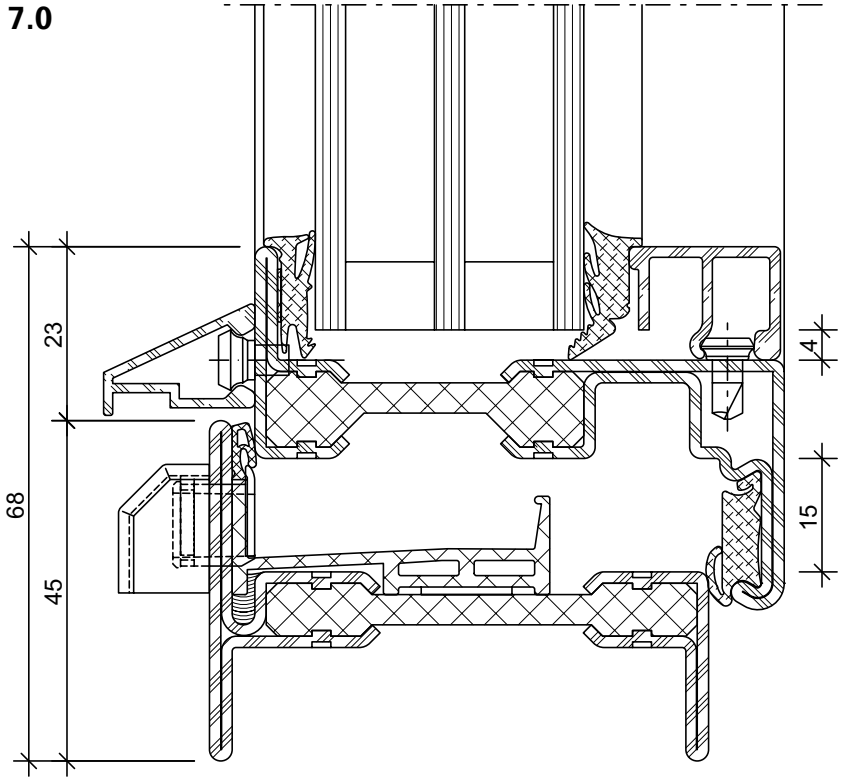


13-0108-C-008

DWG

DXF

7.0

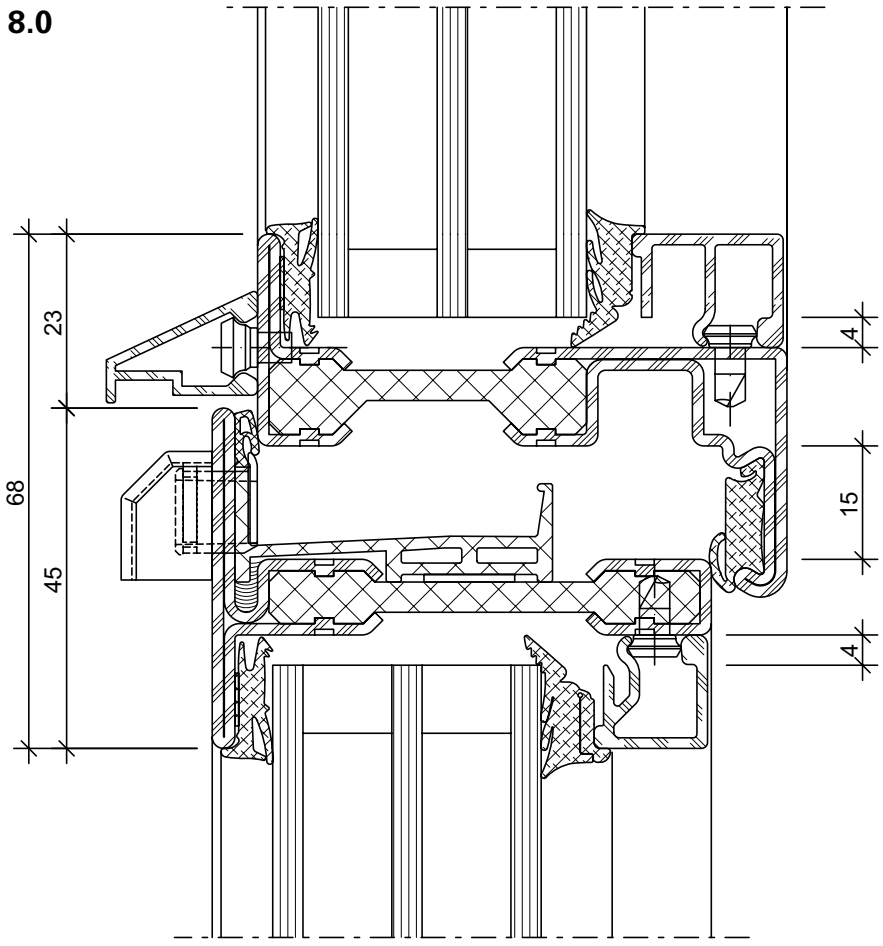


13-0108-C-010

DWG

DXF

8.0

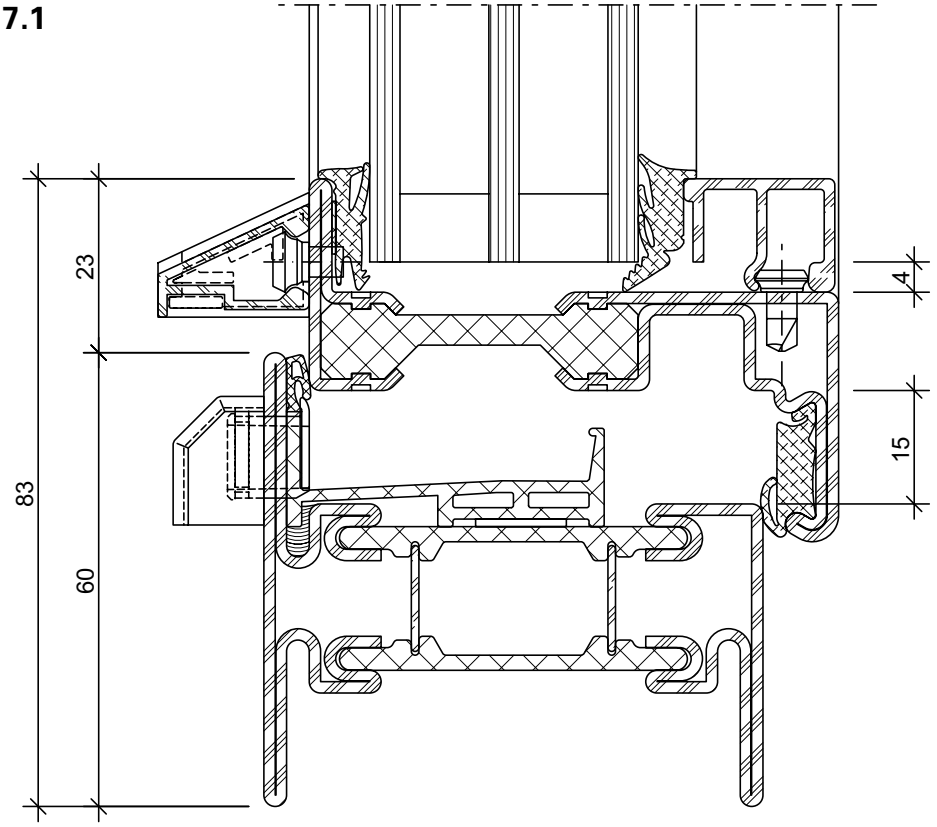


13-0108-C-013

DWG

DXF

7.1

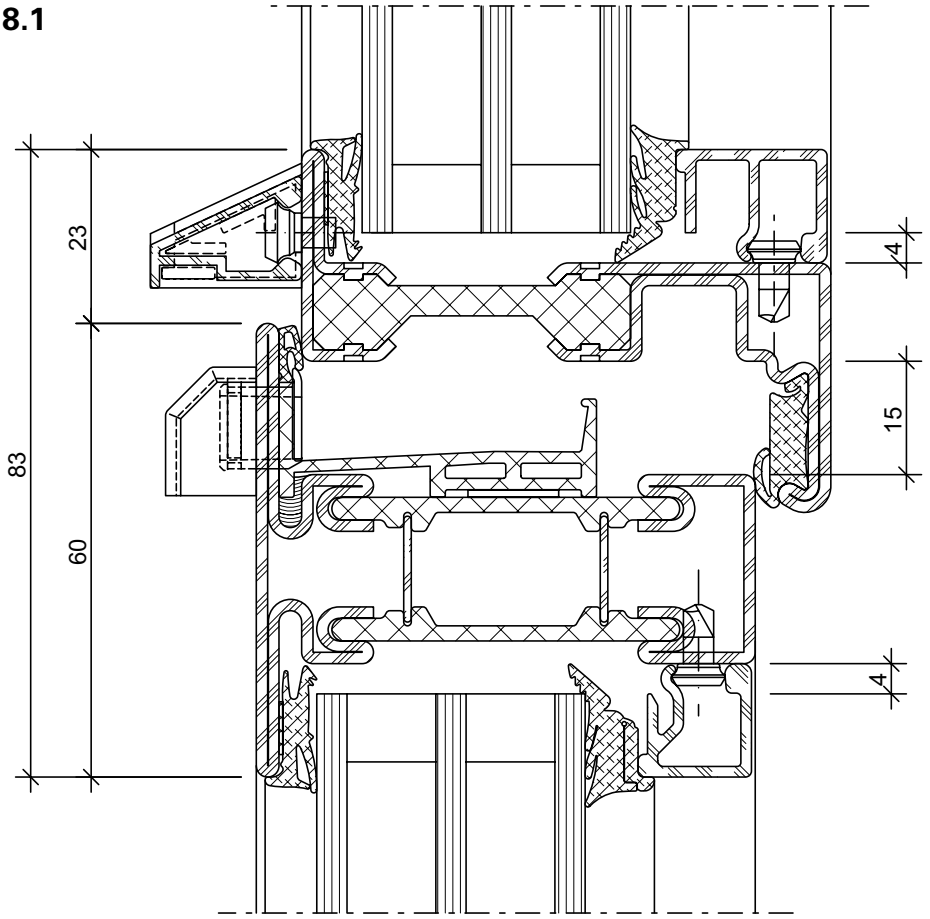


13-0108-C-019

DWG

DXF

8.1

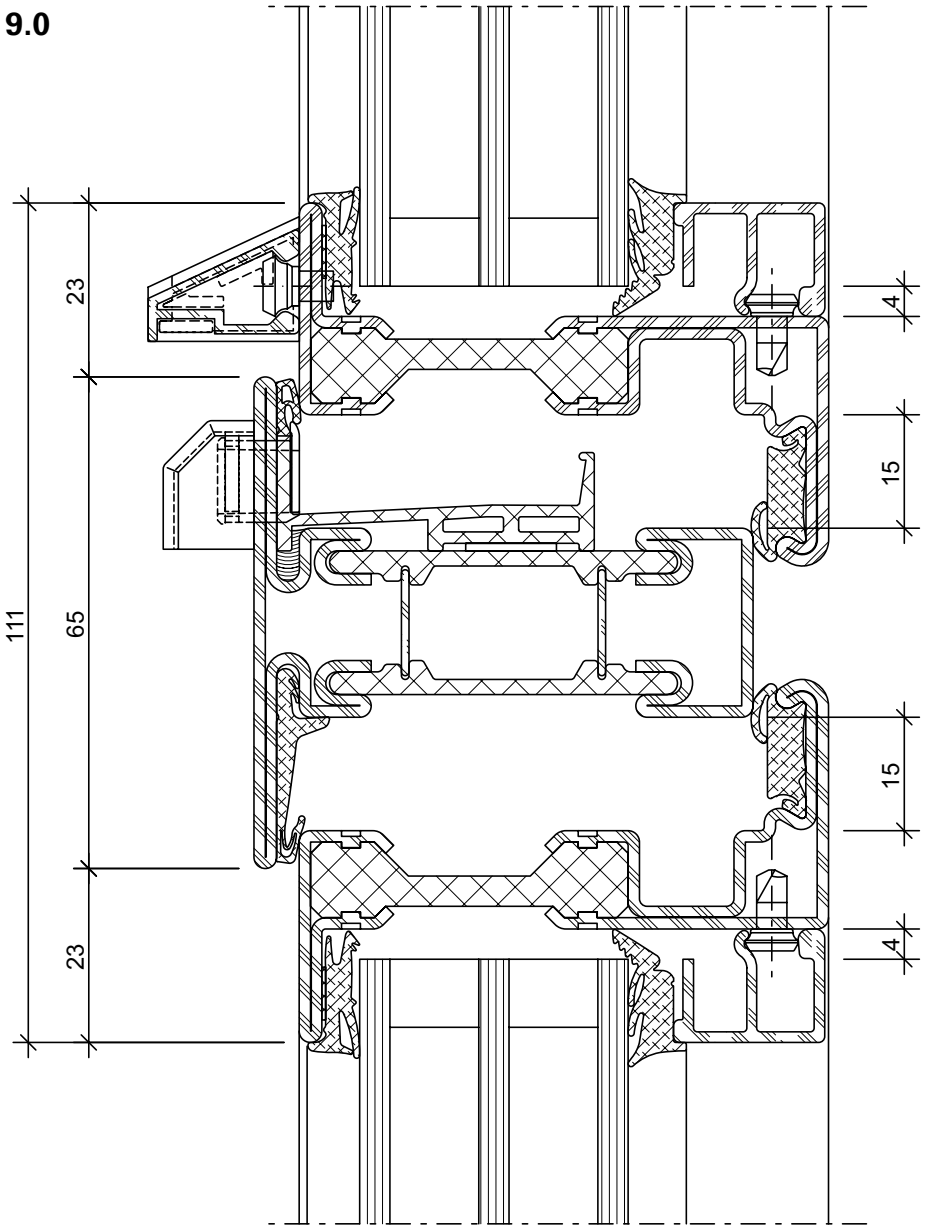


13-0108-C-021

DWG

DXF

9.0

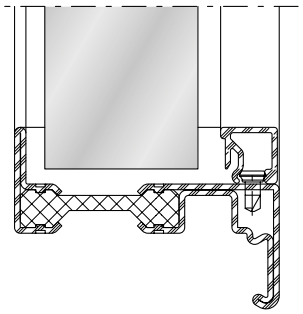


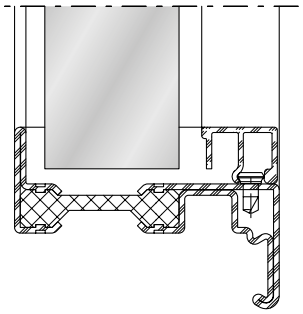
13-0108-C-020

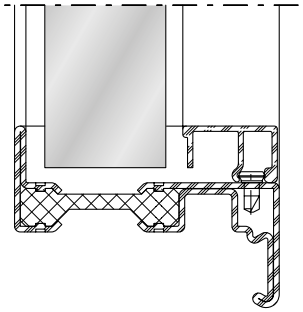
DWG

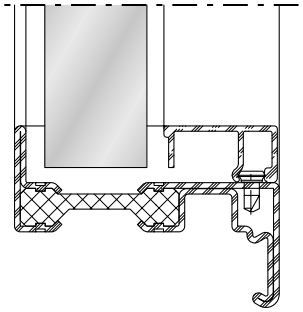
DXF

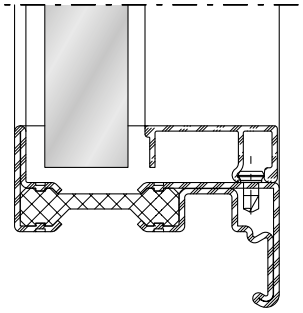
Aluminium



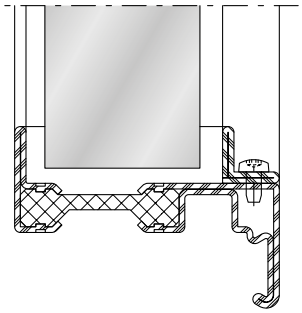


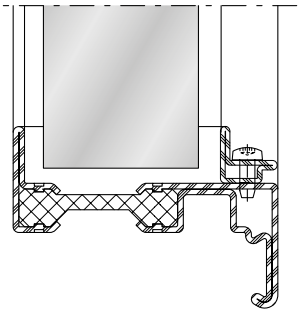


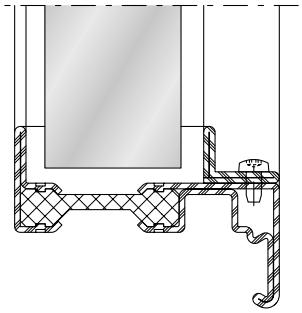


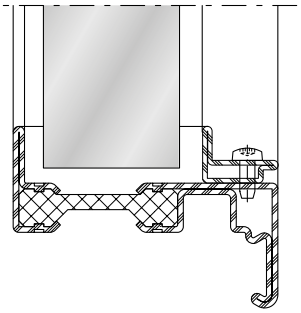


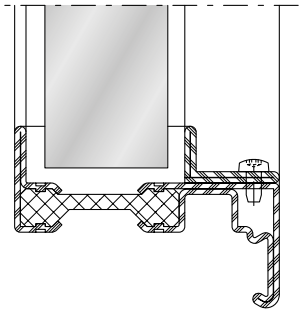
Stahl / Acier / Steel

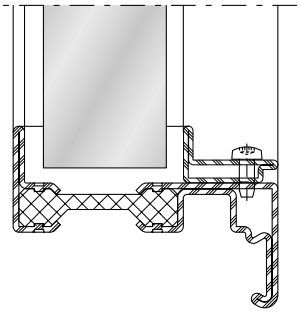








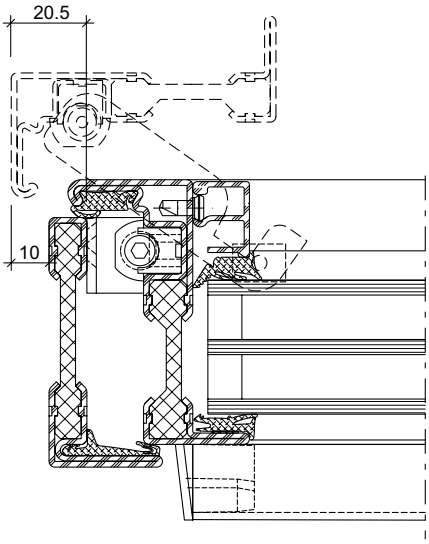


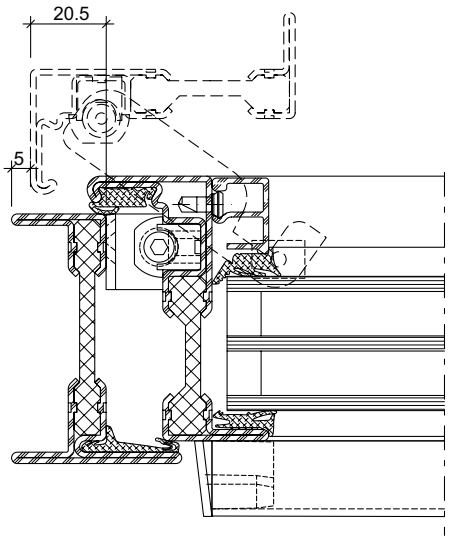


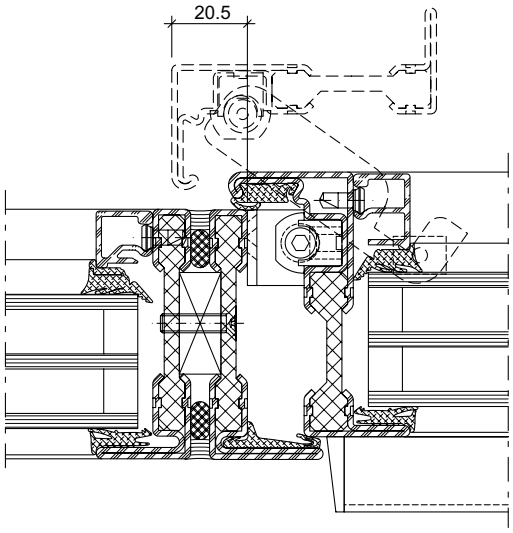
Platzbedarf
Verdeckt liegender Fensterbeschlag

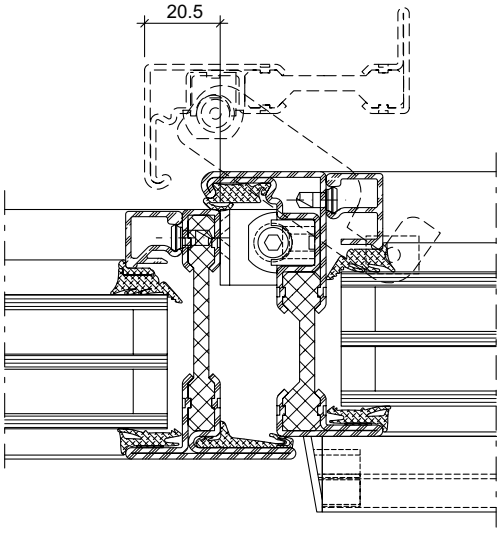
Espace nécessaire
Ferrure de fenêtre non apparente

Space required
Concealed window fitting





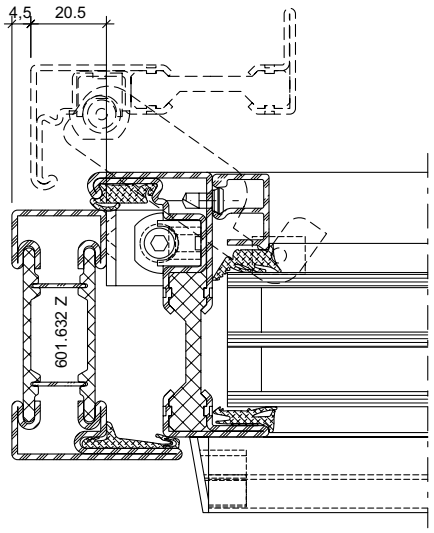


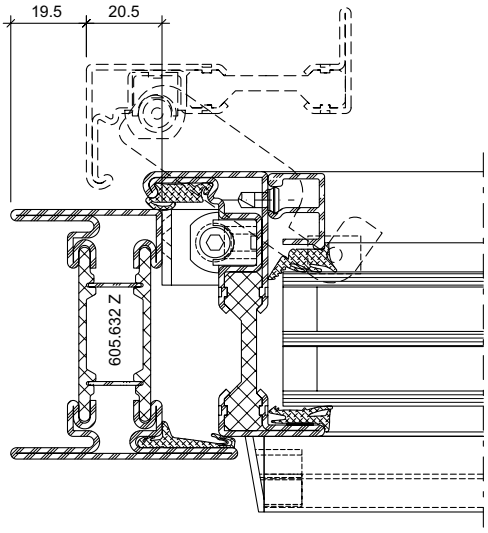


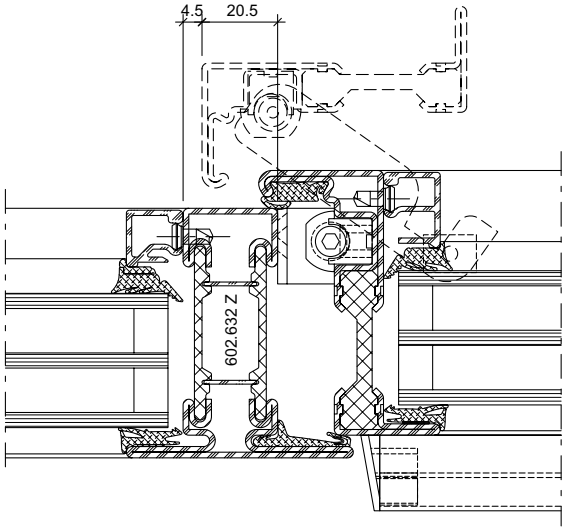
Platzbedarf
Verdeckt liegender Fensterbeschlag

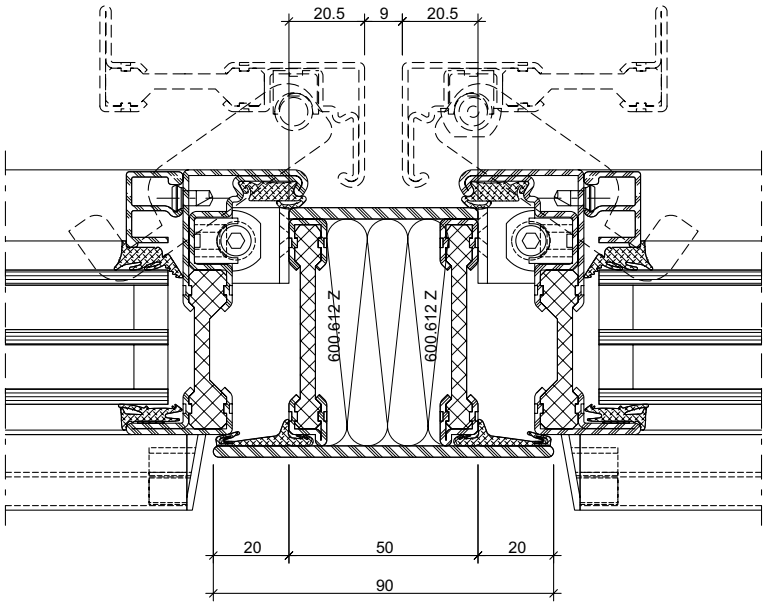
Espace nécessaire
Ferrure de fenêtre non apparente

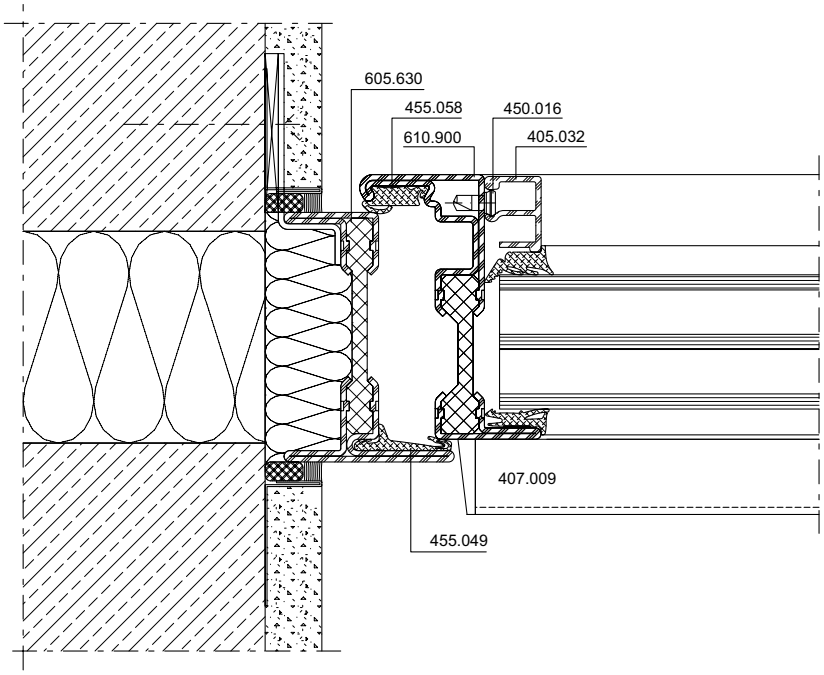
Space required
Concealed window fitting



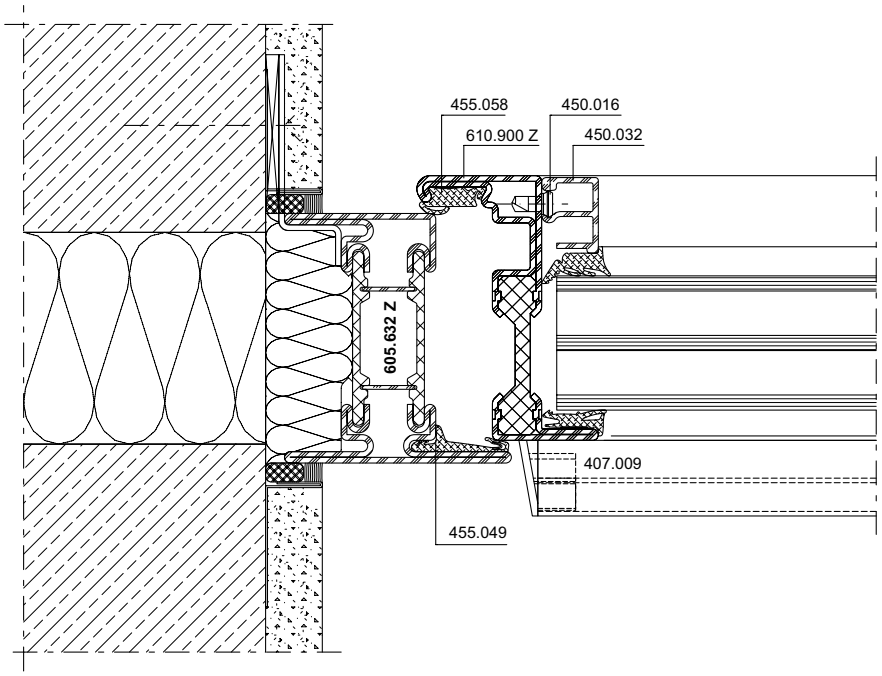






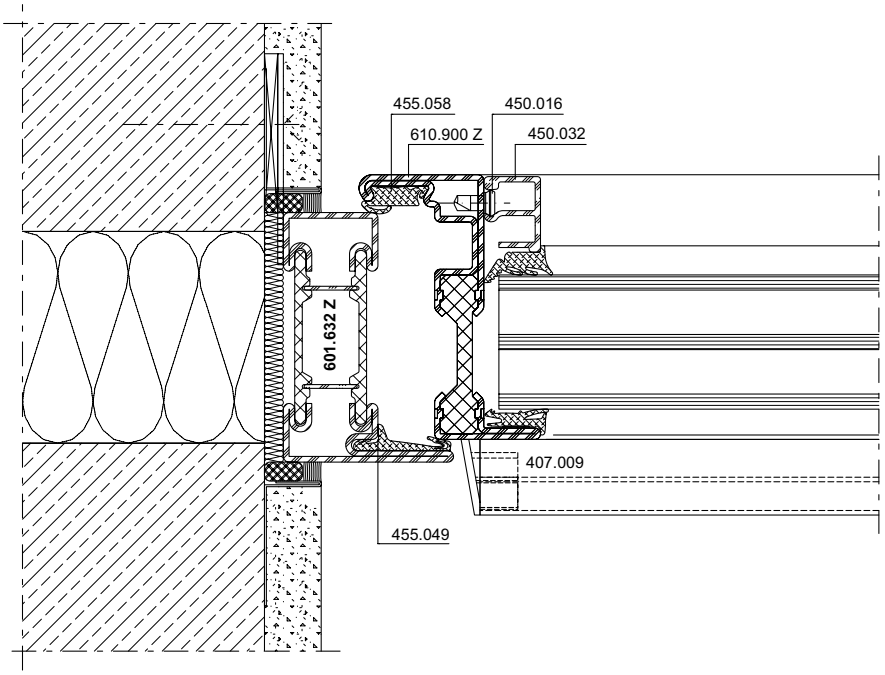


DXF **DWG** *13-0108-A-001*

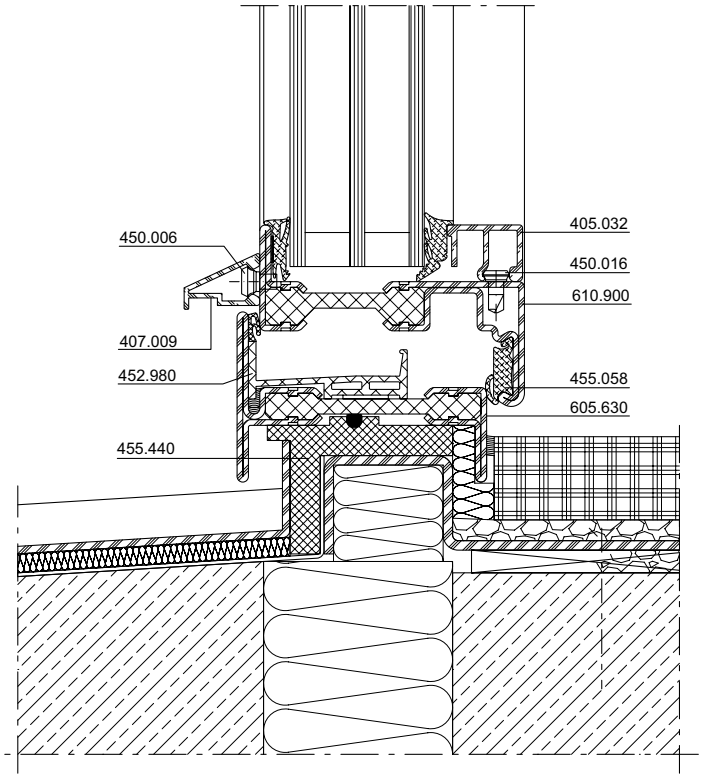


DXF **DWG** *13-0108-A-005*

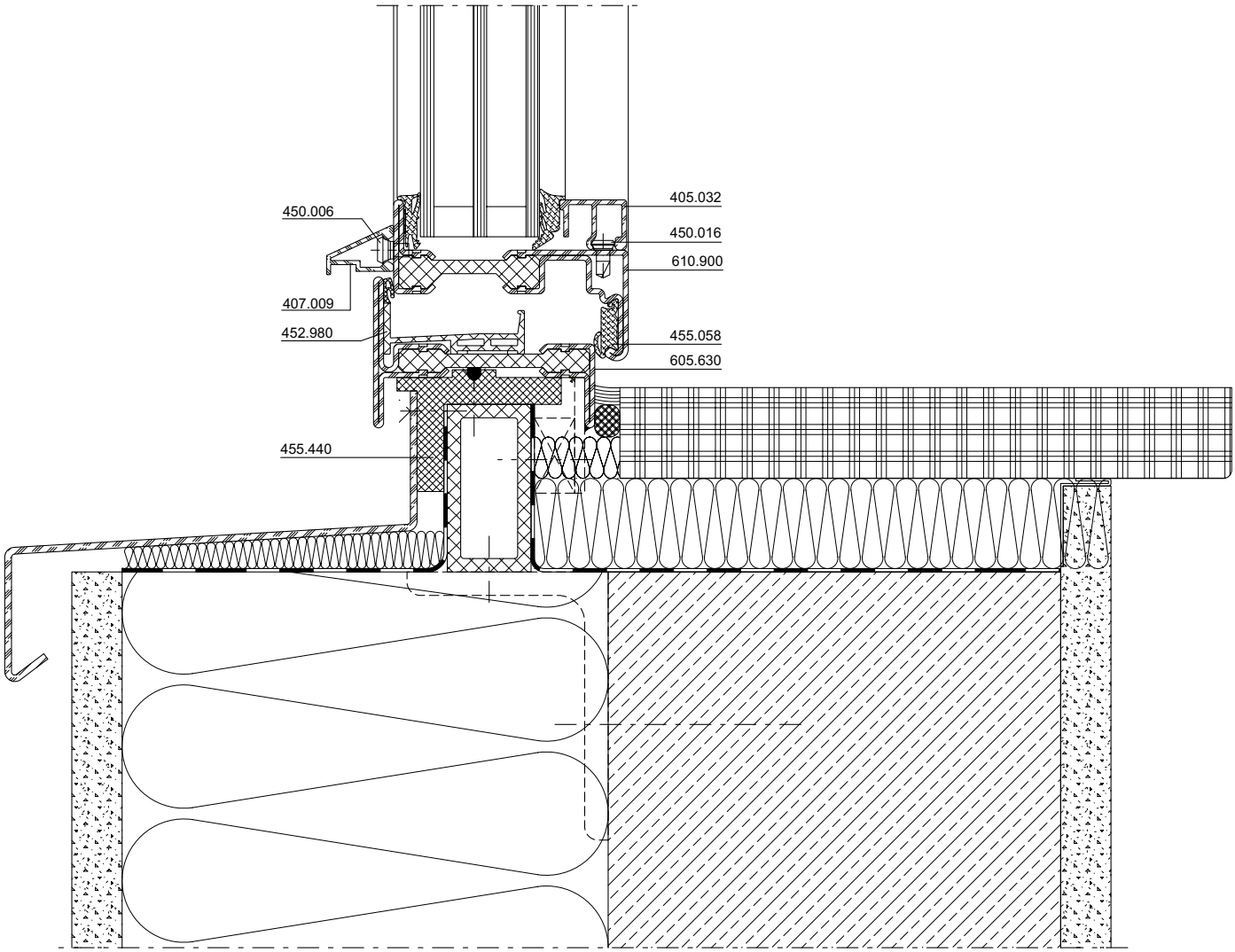
Anschlüsse am Bau im Massstab 1:2 Janisol Arte 66
Raccords au mur à l'échelle 1:2 Janisol Arte 66
Attachment to structure on scale 1:2 Janisol Arte 66



DXF DWG *13-0108-A-006*



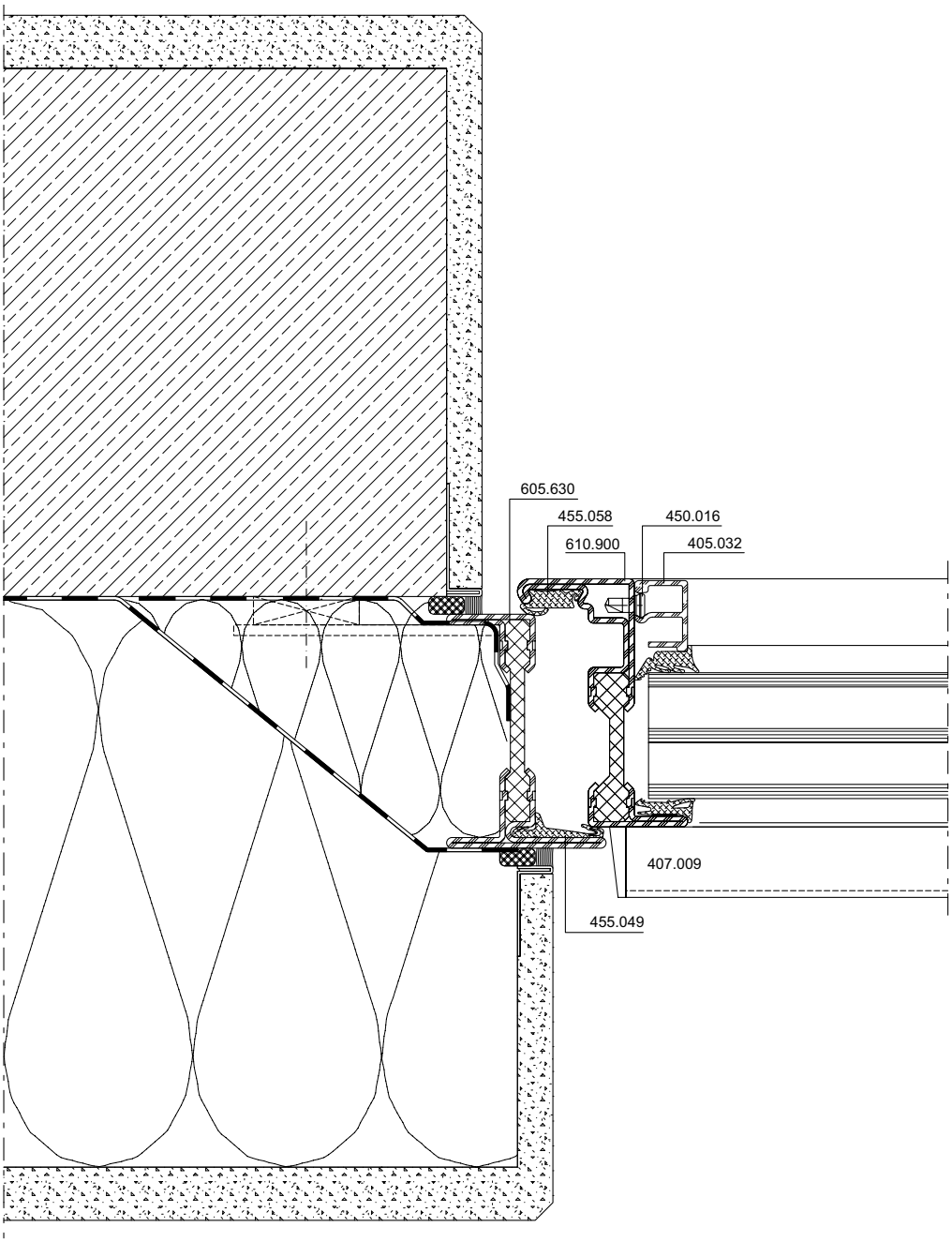
DXF DWG *13-0108-A-002*



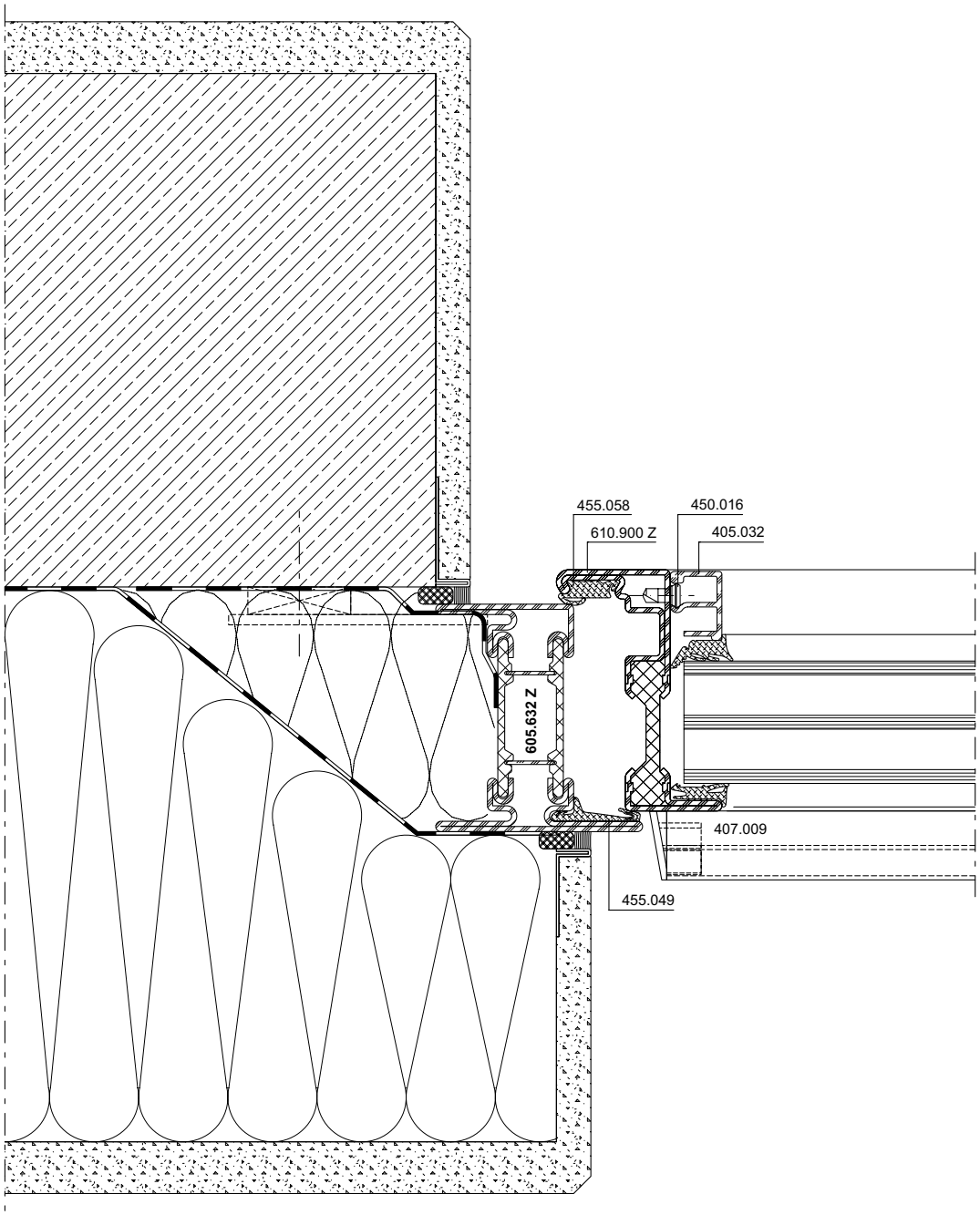
DXF **DWG** *13-0108-A-003*

Anschlüsse am Bau im Massstab 1:2
Raccords au mur à l'échelle 1:2
Attachment to structure on scale 1:2

Janisol Arte 66
Janisol Arte 66
Janisol Arte 66



DXF **DWG** *13-0108-A-004*



DXF **DWG** *13-0108-A-007*

Leistungseigenschaften nach EN 14351-1
Caractéristiques de performance selon EN 14351-1
Performance characteristics according to EN 14351-1

Janisol Arte 66
Janisol Arte 66
Janisol Arte 66

Leistungswerte

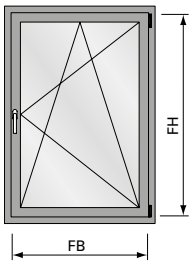
Schlagregendichtheit
Luftdurchlässigkeit
Widerstand bei Windlast

Caractéristiques de performances

Etanchéité à la pluie battante
Perméabilité à l'air
Résistance à la pression du vent

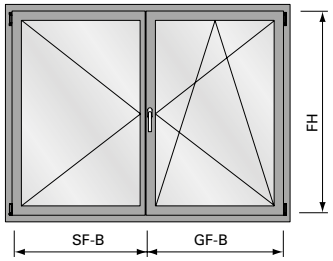
Performance values

Watertightness
Air permeability
Resistance to wind load



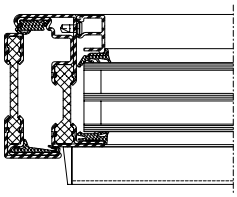
FFB = 1000 mm
FFH = 2300 mm
oder/ou/or
FFB = 1400 mm
FFH = 1650 mm

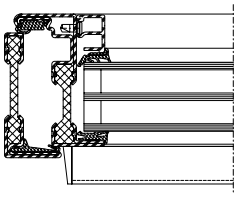
Max. Fläche:
Surface max.:
Max. surface:
2,3 m²



FFB = 1000 mm
FFH = 2300 mm
oder/ou/or
FFB = 1400 mm
FFH = 1650 mm

Max. Fläche:
Surface max.:
Max. surface:
2,3 m²

	EN 12208	EN 12207	EN 12210	EN 12208	EN 12207	EN 12210
bis / jusqu'à / up to FFH 1650 mm 	Klasse 9A Classe 9A Class 9A	Klasse 4 Classe 4 Class 4	Klasse C5/B5 Classe C5/B5 Class C5/B5	Klasse 7A Classe 7A Class 7A	Klasse 4 Classe 4 Class 4	Klasse C4/B4 Classe C4/B4 Class C4/B4
Grössenänderungen Variations dimensionnelles Size changes	-100%	-100%	-100%	-100%	-100%	-100%

	EN 12208	EN 12207	EN 12210	EN 12208	EN 12207	EN 12210
bis / jusqu'à / up to FFH 2300 mm bis / jusqu'à / up to FFB 1000 mm 	Klasse 8A Classe 8A Class 8A	Klasse 4 Classe 4 Class 4	Klasse C5/B5 Classe C5/B5 Class C5/B5	Klasse7A Classe 7A Class 7A	Klasse 4 Classe 4 Class 4	Klasse C4/B4 Classe C4/B4 Class C4/B4
Grössenänderungen Variations dimensionnelles Size changes	-100%	-100%	-100%	-100%	-100%	-100%

Schlagregendichtheit
Luftdurchlässigkeit
Widerstand bei Windlast

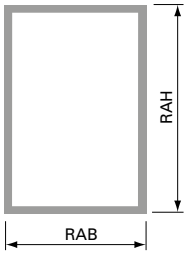
Etanchéité à la pluie battante
Perméabilité à l'air
Résistance à la pression du vent

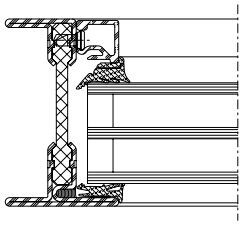
Watertightness
Air permeability
Resistance to wind load

Festverglasung

Vitrage fixe

Fixed glazing



	EN 12208	EN 12207	EN 12210
RABxRAH 1230x1480 mm 	Klasse 9A Classe 9A Class 9A	Klasse 4 Classe 4 Class 4	Klasse C5/B5 Classe C5/B5 Class C5/B5

Schlagregendichtheit
Luftdurchlässigkeit
Widerstand bei Windlast

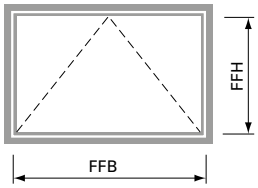
Etanchéité à la pluie battante
Perméabilité à l'air
Résistance à la pression du vent

Watertightness
Air permeability
Resistance to wind load

Kippfenster

Fenêtre à sofflet

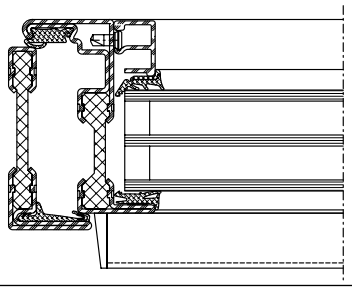
Bottom-hung window



FFB = 2300 mm
FFH = 2300 mm

in Abhängigkeit des Verriegelungsabstandes
en fonction de l'écart de verrouillage
depending on the distance between locking points

Max. Fläche:
Surface max.:
Max. surface:
2,3 m^2

	 **EN 12208**	 **EN 12207**	 **EN 12210**
Beschlag/Ferrure/Fitting 	Klasse 8A Classe 8A Class 8A	Klasse 4 Classe 4 Class 4	Klasse C5/B5 Classe C5/B5 Class C5/B5
Schnäpper 557.099 Loqueteau 557.099 Spring catch 557.099	Klasse 8A Classe 8A Class 8A	Klasse 4 Classe 4 Class 4	Klasse C3/B3 Classe C3/B3 Class C3/B3
Oberlichtöffner 550.651 Ferrure d'imposte 550.651 Top light opener 550.651	Klasse 8A Classe 8A Class 8A	Klasse 3 Classe 3 Class 3	Klasse C3/B3 Classe C3/B3 Class C3/B3
Kettenantrieb 550.697 Entraînement à chaîne 550.697 Chain drive 550.697	Klasse 8A Classe 8A Class 8A	Klasse 4 Classe 4 Class 4	Klasse C3/B3 Classe C3/B3 Class C3/B3

U_f-Werte
(nach EN ISO 10077-2:2018-01)

Auf den folgenden Seiten finden Sie die U_f-Werte für die verschiedenen Anwendungen von Janisol Arte 2.0.

Sie basieren auf folgenden Grundlagen:
- Profile bandverzinkter Stahl, unbeschichtet
- Aluminium-Glasleisten
- Nassverglasung

Valeurs U_f
(selon EN ISO 10077-2:2018-01)

Vous trouverez les valeurs U_f pour les différentes applications Janisol Arte 2.0 dans les pages qui suivent.

Elles se basent sur les principes suivants:
- Profilés en bande d'acier zingué, sans revêtement
- Parcloses en aluminium
- Vitrage à mastic

U_f values
(according to EN ISO 10077-2:2018-01)

On the following pages you will find the U_f values for the various applications for Janisol Arte 2.0.

They are based on the following:
- Strip galvanised steel profiles, uncoated
- Aluminium glazing beads
- Glazing with sealing

Janisol Arte Stahl Zweifach-Isolierglas	Janisol Arte acier Double verre isolant	Janisol Arte steel Double insulating glazing
Janisol Arte Stahl Dreifach-Isolierglas	Janisol Arte acier Triple verre isolant	Janisol Arte steel Triple insulating glazing
Janisol Arte Stahl optimiert Zweifach-Isolierglas	Janisol Arte acier optimisé Double verre isolant	Janisol Arte steel optimised Double insulating glazing
Janisol Arte Stahl optimiert Dreifach-Isolierglas	Janisol Arte acier optimisé Triple verre isolant	Janisol Arte steel optimised Triple insulating glazing

Janisol Arte Stahl Zweifach-Isolierglas

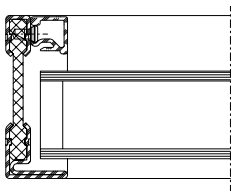
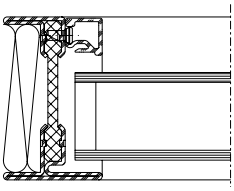
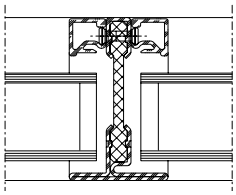
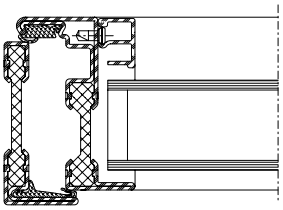
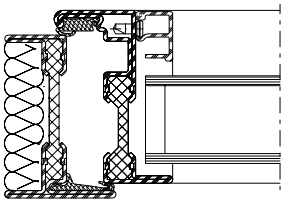
Festverglasungen und
Fenster nach innen öffnend

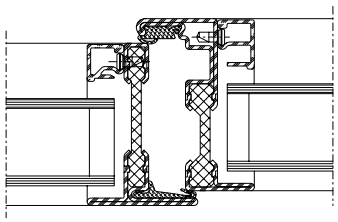
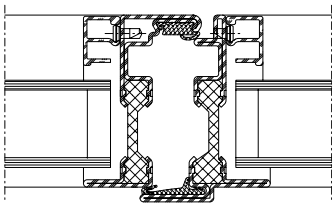
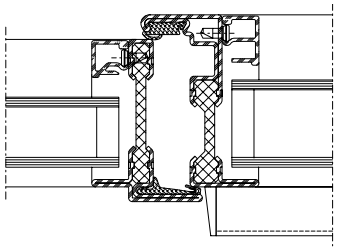
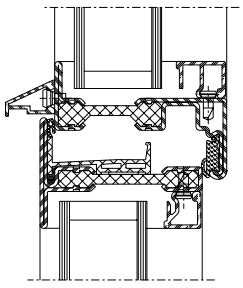
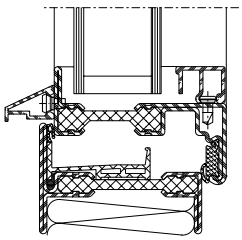
Janisol Arte acier Double verre isolant

Vitrages fixes et fenêtres
ouvrant vers l'intérieur

Janisol Arte steel Double insulating glazing

Fixed lights and
windows inward opening

	Füllelementstärken Eléments de remplissages Infill elements	
	≥ 24 mm	≥ 28 mm
	2,9 W/m²K	2,6 W/m²K
	2,2 W/m²K	2,0 W/m²K
	2,8 W/m²K	2,5 W/m²K
	3,3 W/m²K	3,2 W/m²K
	2,8 W/m²K	2,8 W/m²K

	Füllelementstärken Eléments de remplissages Infill elements	
	≥ 24 mm	≥ 28 mm
	3,3 W/m²K	3,2 W/m²K
	3,3 W/m²K	3,2 W/m²K
	3,2 W/m²K	3,1 W/m²K
	3,2 W/m²K	3,1 W/m²K
	2,8 W/m²K	2,8 W/m²K

Janisol Arte Stahl
Zweifach-Isolierglas

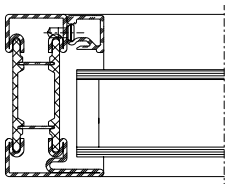
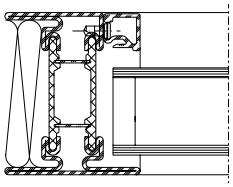
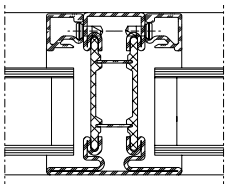
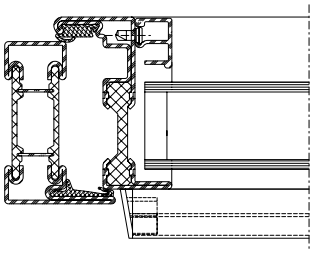
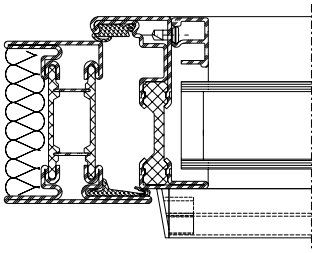
Festverglasungen und
Fenster nach innen öffnend

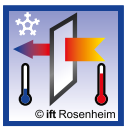
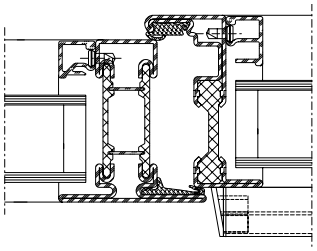
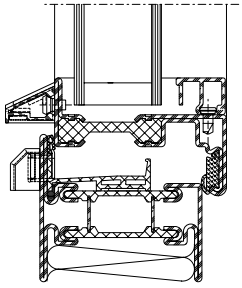
Janisol Arte acier
Double verre isolant

Vitrages fixes et fenêtres
ouvrant vers l'intérieur

Janisol Arte steel
Double insulating glazing

Fixed lights and
windows inward opening

	Füllelementstärken Eléments de remplissages Infill elements	
	≥ 24 mm	**≥ 28 mm**
	**2,1 W/m²K**	**2,0 W/m²K**
	**1,7 W/m²K**	**1,6 W/m²K**
	**2,2 W/m²K**	**2,0 W/m²K**
	**2,8 W/m²K**	**2,8 W/m²K**
	**2,5 W/m²K**	**2,5 W/m²K**

	Füllelementstärken Eléments de remplissages Infill elements	
	≥ 24 mm	**≥ 28 mm**
	**2,8 W/m²K**	**2,7 W/m²K**
	**2,4 W/m²K**	**2,4 W/m²K**

Janisol Arte Stahl
Dreifach-Isolierglas

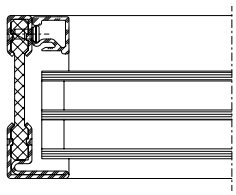
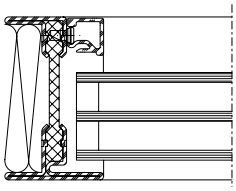
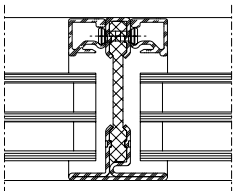
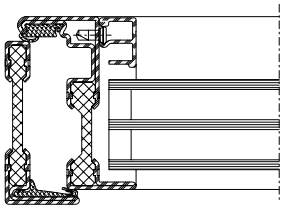
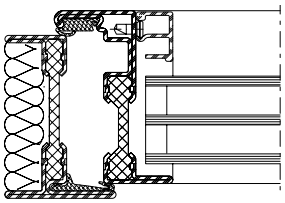
Festverglasungen und
Fenster nach innen öffnend

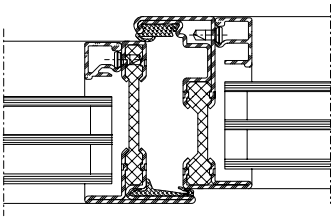
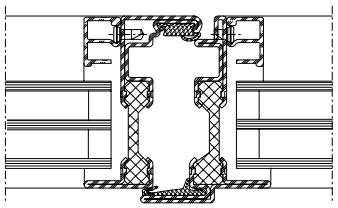
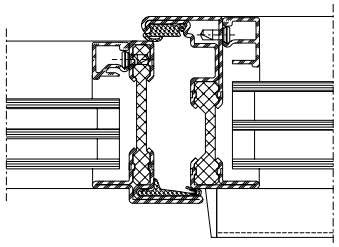
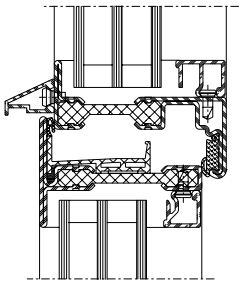
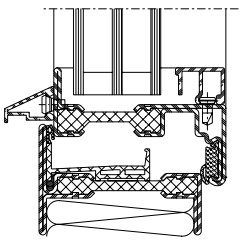
Janisol Arte acier
Triple verre isolant

Vitrages fixes et fenêtres
ouvrant vers l'intérieur

Janisol Arte steel
Triple insulating glazing

Fixed lights and
windows inward opening

	Füllelementstärken Eléments de remplissages Infill elements	
	≥ 36 mm	≥ 46 mm
	**2,4 W/m²K**	**2,3 W/m²K**
	**1,9 W/m²K**	**1,8 W/m²K**
	**2,3 W/m²K**	**2,2 W/m²K**
	**3,2 W/m²K**	**3,1 W/m²K**
	**2,8 W/m²K**	**2,8 W/m²K**

	Füllelementstärken Eléments de remplissages Infill elements	
	≥ 36 mm	≥ 46 mm
	**3,1 W/m²K**	**3,0 W/m²K**
	**3,1 W/m²K**	**3,1 W/m²K**
	**3,0 W/m²K**	**3,0 W/m²K**
	**3,0 W/m²K**	**2,9 W/m²K**
	**2,7 W/m²K**	**2,7 W/m²K**

Janisol Arte Stahl
Dreifach-Isolierglas

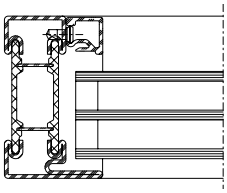
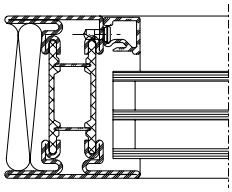
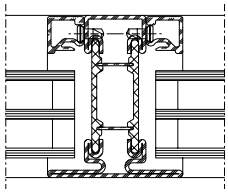
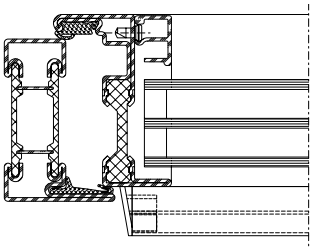
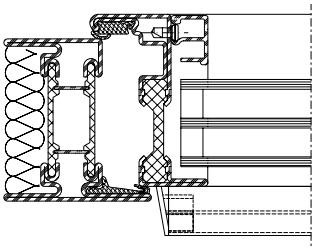
Festverglasungen und
Fenster nach innen öffnend

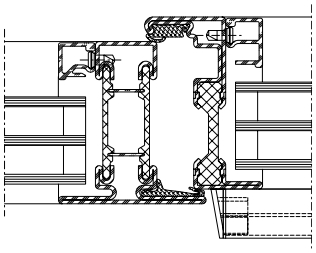
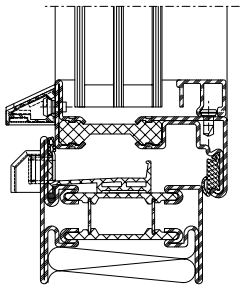
Janisol Arte acier
Triple verre isolant

Vitrages fixes et fenêtres
ouvrant vers l'intérieur

Janisol Arte steel
Triple insulating glazing

Fixed lights and
windows inward opening

© ift Rosenheim	Füllelementstärken Eléments de remplissages Infill elements	
	≥ 36 mm	**≥ 46 mm**
	**1,9 W/m²K**	**1,8 W/m²K**
	**1,6 W/m²K**	**1,5 W/m²K**
	**1,8 W/m²K**	**1,8 W/m²K**
	**2,7 W/m²K**	**2,7 W/m²K**
	**2,4 W/m²K**	**2,4 W/m²K**

© ift Rosenheim	Füllelementstärken Eléments de remplissages Infill elements	
	≥ 36 mm	**≥ 46 mm**
	**2,6 W/m²K**	**2,6 W/m²K**
	**2,4 W/m²K**	**2,4 W/m²K**

Janisol Arte Stahl optimiert Zweifach-Isolierglas

Festverglasungen und
Fenster nach innen öffnend

Janisol Arte acier optimisé Double verre isolant

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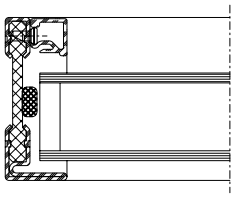
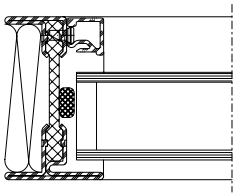
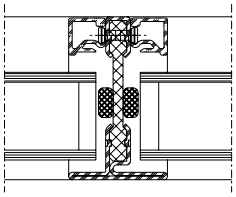
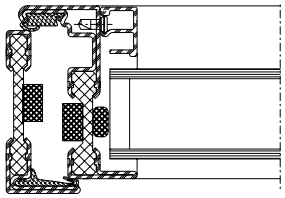
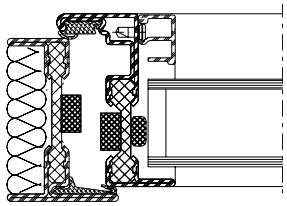
Fixed lights and
windows inward opening

	Füllelementstärken Eléments de remplissages Infill elements ≥ 28 mm	
	Dämmprofil Glasfalz **Profilé isolant Feuillure de verre** **Insulation profile Glazing rebate**	**Dämmprofil Glas- und Rahmenfalz** **Profilé isolant Feuillure de verre et de cadre** **Insulation profile Glazing and frame rebate**
	**2,4 W/m²K**	
	**1,8 W/m²K**	
	**2,1 W/m²K**	

	Füllelementstärken Eléments de remplissages Infill elements ≥ 28 mm	
	Dämmprofil Glasfalz **Profilé isolant Feuillure de verre** **Insulation profile Glazing rebate**	**Dämmprofil Glas- und Rahmenfalz** **Profilé isolant Feuillure de verre et de cadre** **Insulation profile Glazing and frame rebate**
	**3,1 W/m²K**	**2,5 W/m²K**
	**2,7 W/m²K**	**2,2 W/m²K**

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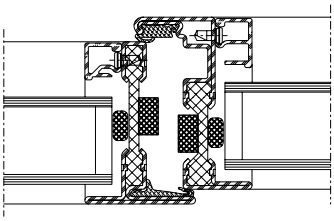
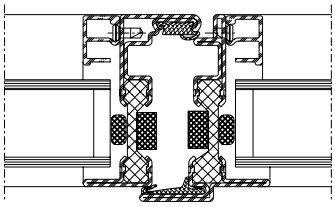
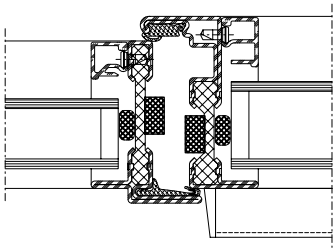
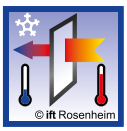
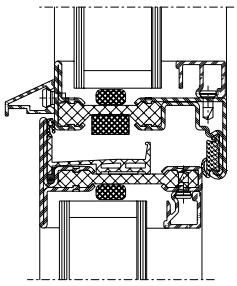
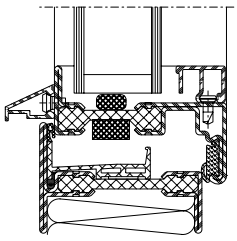
	**3,0 W/m²K**	**2,4 W/m²K**
	**3,0 W/m²K**	**2,5 W/m²K**
	**2,9 W/m²K**	**2,4 W/m²K**

	Füllelementstärken Eléments de remplissages Infill elements ≥ 28 mm	
	Dämmprofil Glasfalz **Profilé isolant Feuillure de verre** **Insulation profile Glazing rebate**	**Dämmprofil Glas- und Rahmenfalz** **Profilé isolant Feuillure de verre et de cadre** **Insulation profile Glazing and frame rebate**
	**2,9 W/m²K**	**2,6 W/m²K**
	**2,6 W/m²K**	**2,4 W/m²K**

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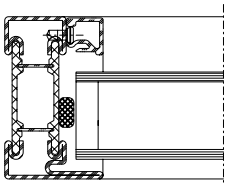
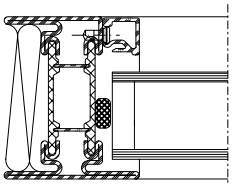
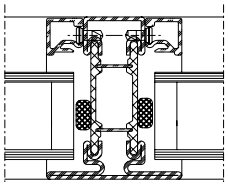
	**1,8 W/m²K**	
	**1,5 W/m²K**	
	**1,7 W/m²K**	

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	Füllelementstärken Eléments de remplissages Infill elements ≥ 28 mm	
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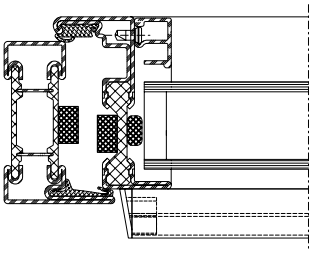
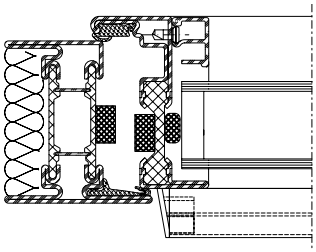
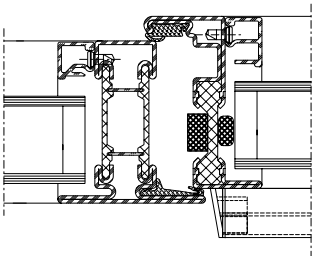
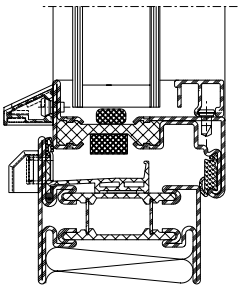
	**2,7 W/m²K**	**2,2 W/m²K**
	**2,4 W/m²K**	**2,0 W/m²K**
	**2,6 W/m²K**	**2,1 W/m²K**
	**2,3 W/m²K**	**2,1 W/m²K**

Janisol Arte steel optimised Double insulating glazing

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windows inward opening

Janisol Arte Stahl optimiert Dreifach-Isolierglas

Festverglasungen und
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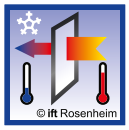
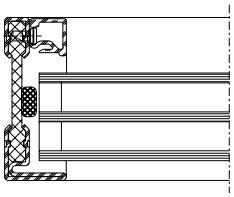
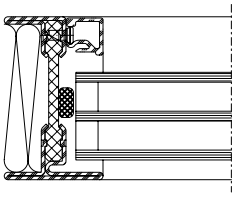
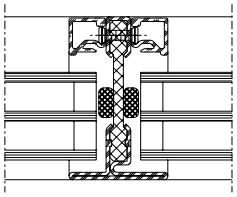
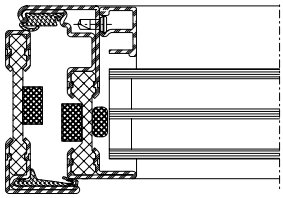
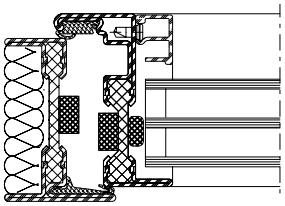
Janisol Arte acier optimisé Triple verre isolant

Vitrages fixes et fenêtres
ouvrant vers l'intérieur

Janisol Arte steel optimised Triple insulating glazing

Fixed lights and
windows inward opening

	Füllelementstärken Eléments de remplissages Infill elements ≥ 46 mm	
	Dämmprofil Glasfalz **Profilé isolant Feuillure de verre** **Insulation profile Glazing rebate**	**Dämmprofil Glas- und Rahmenfalz** **Profilé isolant Feuillure de verre et de cadre** **Insulation profile Glazing and frame rebate**
	**2,0 W/m²K**	
	**1,6 W/m²K**	
	**1,6 W/m²K**	

	Füllelementstärken Eléments de remplissages Infill elements ≥ 46 mm	
	Dämmprofil Glasfalz **Profilé isolant Feuillure de verre** **Insulation profile Glazing rebate**	**Dämmprofil Glas- und Rahmenfalz** **Profilé isolant Feuillure de verre et de cadre** **Insulation profile Glazing and frame rebate**
	**3,0 W/m²K**	**2,5 W/m²K**
	**2,6 W/m²K**	**2,2 W/m²K**

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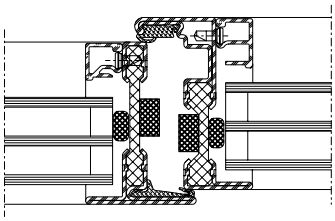
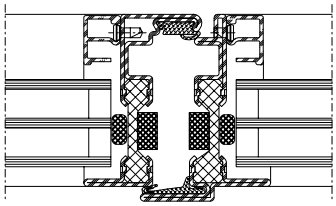
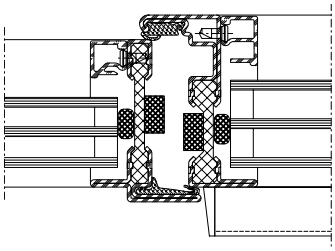
	**2,7 W/m²K**	**2,2 W/m²K**
	**2,8 W/m²K**	**2,4 W/m²K**
	**2,7 W/m²K**	**2,2 W/m²K**

Janisol Arte acier optimisé Triple verre isolant

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ouvrant vers l'intérieur

Janisol Arte steel optimised Triple insulating glazing

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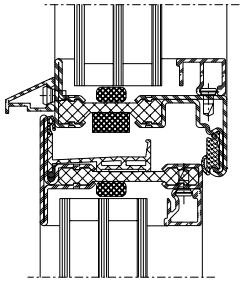
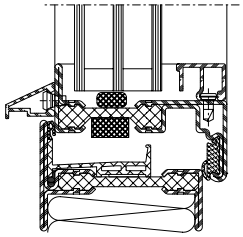
windows inward opening

	Füllelementstärken Eléments de remplissages Infill elements ≥ 46 mm	
	Dämmprofil Glasfalz **Profilé isolant Feuillure de verre** **Insulation profile Glazing rebate**	**Dämmprofil Glas- und Rahmenfalz** **Profilé isolant Feuillure de verre et de cadre** **Insulation profile Glazing and frame rebate**
	**2,6 W/m²K**	**2,4 W/m²K**
	**2,5 W/m²K**	**2,3 W/m²K**

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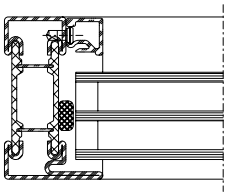
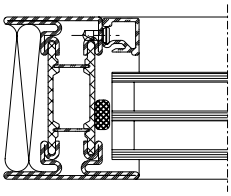
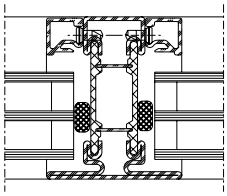
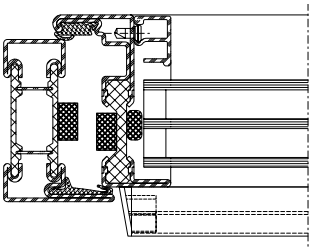
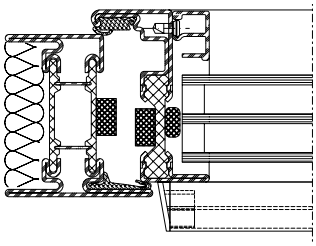
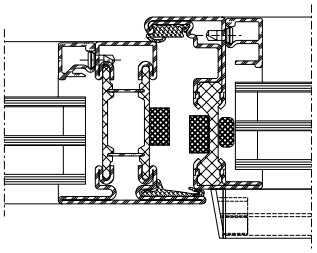
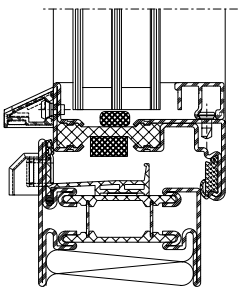
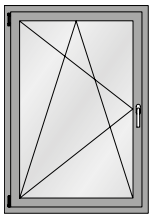
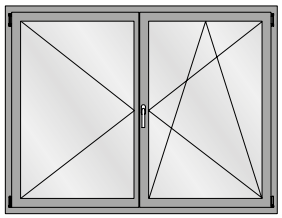
	**1,6 W/m²K**	
	**1,4 W/m²K**	
	**1,4 W/m²K**	

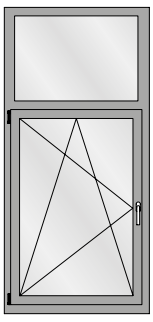
	Füllelementstärken Eléments de remplissages Infill elements ≥ 46 mm	
	Dämmprofil Glasfalz **Profilé isolant Feuillure de verre** **Insulation profile Glazing rebate**	**Dämmprofil Glas- und Rahmenfalz** **Profilé isolant Feuillure de verre et de cadre** **Insulation profile Glazing and frame rebate**
	**2,6 W/m²K**	**2,2 W/m²K**
	**2,3 W/m²K**	**1,9 W/m²K**
	**2,4 W/m²K**	**2,0 W/m²K**
	**2,3 W/m²K**	**2,0 W/m²K**

Schalldämmung

Ausführungsvarianten
Die nachfolgende Typenübersicht ergibt einen Überblick über die beurteilten Varianten.

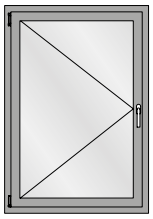


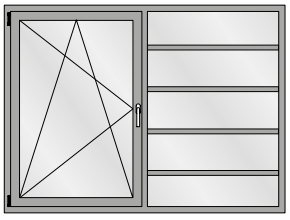


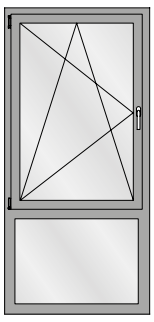


Isolation phonique

Modèles
L'aperçu des types suivant fournit une vue d'ensemble des variantes examinées.

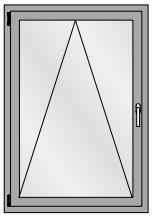


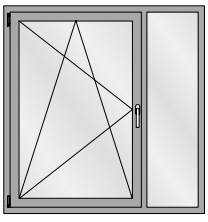




Sound insulation

Design range
The following overview of types provides an overview of the evaluated designs.





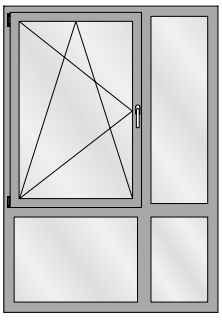


Tabelle
Korrekturtabelle für Janisol Arte 66 Fenster mit Mehrscheiben-Isolierglas

Tableau A1
Tableau de correction pour les fenêtres Janisol Arte 66 avec vitrage isolant multi-vitres

Table A1
Correction table for Janisol Arte 66 windows with multi-pane insulating glass

	1	2	7	8	9	10	12	13	14
	Fenster **Fenêtre** **Window**	**Glas** **Verre** **Glass**	**Korrekturen** **Corrections** **Corrections**						
	$R_{W\ Fenster}$ **dB**	$R_{W,\ P,\ Glas}$ **dB**	K_{FF} **dB**	$K_{G\ 0,4}$ **dB**	$K_{GK\ 0,7/A1,0}$ **dB**	$K_{GK\ 1,1/A1,8}$ **dB**	$K_{G\ 1,8}$ **dB**	$K_{G\ 2,9}$ **dB**	$K_{G\ 3,7}$ **dB**
1	**29**	28	0	0	-2	-2	-2	-3	-4
2	**30**	29	0	0	-2	-2	-2	-3	-4
3	**31**	30	0	0	-2	-2	-2	-3	-4
4	**32**	31	0	0	-2	-2	-2	-3	-4
5	**33**	32	0	0	-2	-2	-2	-3	-4
6	**33**	33	0	0	-2	-2	-2	-3	-4
7	**34**	34	0	0	-2	-2	-2	-3	-4
8	**35**	35	0	0	-2	-2	-2	-3	-4
9	**36**	36	0	0	-2	-2	-2	-3	-4
10	**37**	37	0	0	-2	-2	-2	-3	-4
11	**38**	38	0	0	-2	-2	-2	-3	-4
12	**39**	39	0	0	-2	-2	-2	-3	-4
13	**40**	40	0	0	-2	-2	-2	-4	-4
14	**41**	41	0	-1	-2	-2	-2	-4	-4
15	**42**	42	0	-1	-2	-2	-2	-4	-4
16	**43**	43	0	-2	-2	-2	-2	-4	-4
17	**44**	44	0	-2	-2	-2	-2	-4	-4
18	**45**	45	0	-3	-3	-3	-2	-4	-4
19	**45**	46	0	-4	-3	-3	-4	-5	-5
20	**46**	47	+1	-4	-3	-3	-5	-5	-6
21	**46**	48	+1	-5	-3	-3	-5	-5	-6
22	**47**	49	+2	-5	-3	-3	-5	-5	-6

Der aus der Tabelle A1 abzulesende Wert für die Schalldämmung $R_{W, Fenster}$ beträgt:

La valeur à relever sur le tableau A1 concernant l'isolement contre les sons aériens $R_{W, Fenêtre}$ est la suivante:

The value taken from table A1 for the sound insulation $R_{W, Window}$ is:

$$\mathbf{R_{W, Fenster} = R_W + K_{FF} + K_{G\,0,4} + K_{GK\,0,7/A1,0} + K_{GK\,1,1/A1,8} + K_{G\,1,8} + K_{G\,2,9} + K_{G\,3,7}\ dB}$$

K_{FF} Korrekturwert für Festverglasungen

$K_{G\,0,4}$ Korrekturwert für Einzelscheiben ≤ 0,4 m².

$K_{GK\,0,7/A1,0}$ Korrekturwert für Elemente mit Einzelscheiben mit einer Kantenlänge ≤ 0,7 m und einer Fläche ≥ 1,0 m²

$K_{GK\,1,1/A1,8}$ Korrekturwert für Elemente mit Einzelscheiben mit einer Kantenlänge ≤ 1,1 m und einer Fläche ≥ 1,8 m² und ≤ 3,4 m²

$K_{G\,1,8}$ Korrekturwert für Einzelscheiben mit einer Glasfläche ≥ 1,8 m²

$K_{G\,2,9}$ Korrekturwert für Einzelscheiben mit einer Glasfläche ≥ 2,9 m²

$K_{G3,7}$ Korrekturwert für Einzelscheiben mit einer Glasfläche ≥ 3,7 m² und ≤ 5,5 m²

K_{FF} Valeur de correction pour vitrages fixes

$K_{G\,0,4}$ Valeur de correction pour vitres individuelles ≥ 0,4 m²

$K_{GK\,0,7/A1,0}$ Valeur de correction pour éléments à vitre individuelle avec une longueur de bord ≤ 0,7 m et une surface ≥ 1,0 m²

$K_{GK\,1,1/A1,8}$ Valeur de correction pour éléments à vitre individuelle avec une longueur de bord ≤ 1,1 m et une surface ≥ 1,8 m² et ≤ 3,4 m²

$K_{G1,8}$ Valeur de correction pour vitres individuelles avec surface vitrée ≥ 1,8 m²

$K_{G2,9}$ Valeur de correction pour vitres individuelles avec surface vitrée ≥ 2,9 m²

$R_{G3,7}$ Valeur de correction pour vitres individuelles avec surface vitrée ≥ 3,7 m² et ≤ 5,5 m²

K_{FF} Correction value for fixed glaings

$K_{G\,0,4}$ Correction value for single panes ≤ 0,4 m².

$K_{GK\,0,7/A1,0}$ Correction value for units with single panes with an edge length ≤ 0.7 m and an area ≥ 1.0 m²

$K_{GK\,1,1/A1,8}$ Correction value for units with single panes with an edge length ≤ 1.1 m and an area ≥ 1.8 m² and ≤ 3.4 m²

$K_{G1,8}$ Correction value for single panes with a glass area ≥ 1,8 m²

$R_{G2,9}$ Correction value for single panes with a glass area ≥ 2,9 m²

$R_{G3,7}$ Correction value for single panes with a glass area ≥ 3,7 m² and ≤ 5,5 m²