Janisol C4 EI60 / EI90

Brandschutz-Türen und -Verglasungen aus Stahl und Edelstahl

Janisol C4 EI60 / EI90

Portes et cloisons protection incendie en acier et acier Inox

Janisol C4 EI60 / EI90

Fire resistant doors and screens in steel and stainless steel

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Systemübersicht
Merkmale
Zulassungen
Systemausführungen
Typenübersicht

Sommaire du système
Caractéristiques
Homologations
Exécutions de système
Sommaire des types

Summary of system **2**
Characteristics
Authorisations
System versions
Summary of types

Profilsortiment in Stahl und Edelstahl

Assortiment de profilé en acier et acier Inox

Range of profiles in steel and stainless steel **12**

Beispiele
Schnittpunkte
Konstruktionsdetails
Anschlüsse am Bau

Exemples
Coupes de détails
Détails de construction
Raccords au mur

Examples **16**
Section details
Construction details
Attachment to structure

Leistungseigenschaften

Caractéristiques de performance

Performance characteristics **41**

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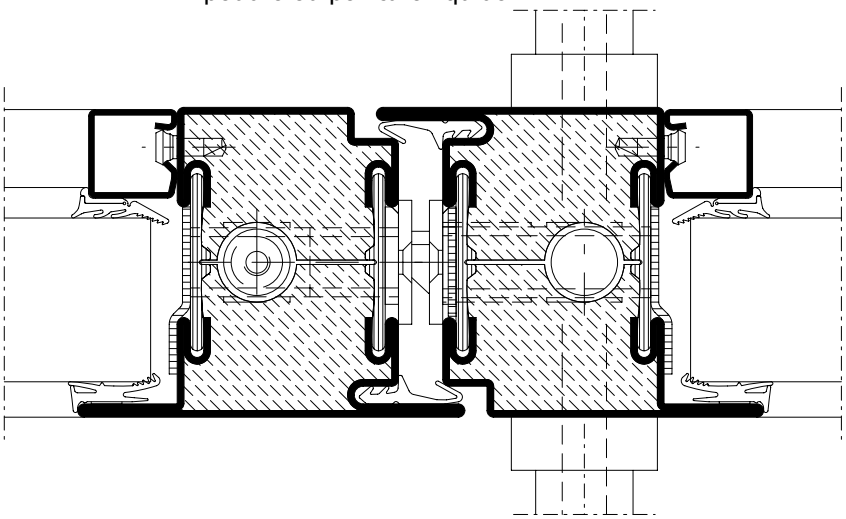
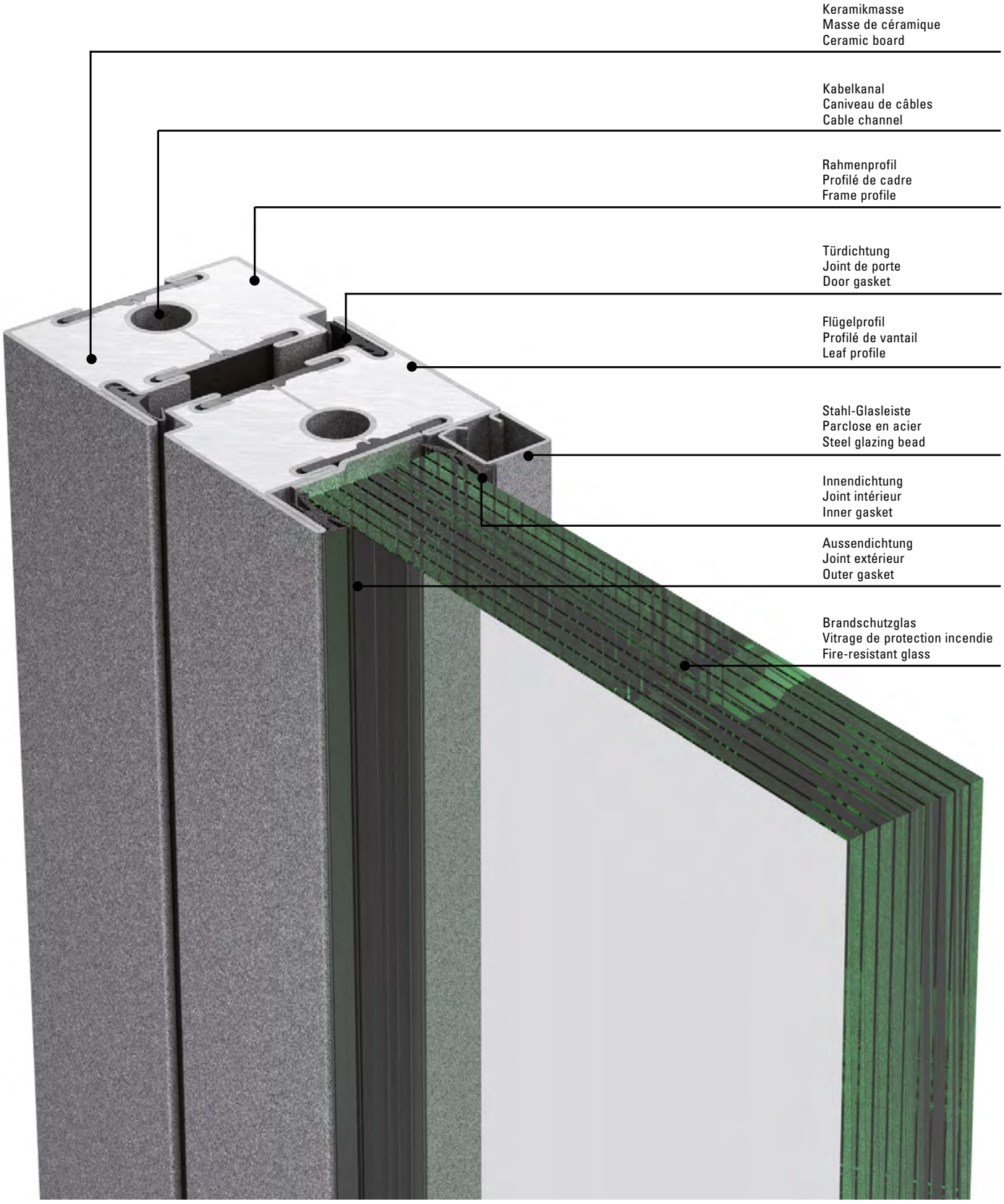
- Wärmegedämmtes Stahlsystem für Türen und Festverglasungen
- Bautiefe 70 mm, innen und aussen flächenbündig
- Schmale Ansichtsbreiten: Rahmen und Flügel ab 107,5 mm Stulppartie 155 mm
- Ein- und zweiflüglige Türen, nach innen und aussen öffnend, mit Oberlicht oder Festverglasung kombinierbar
- Türflügel bis 1800 x 3600 mm (BxH), landesspezifische Zulassung beachten
- Füllelementstärke von 15 bis 47 mm, Glaseinbau mittels Trocken- oder Nassverglasung
- Systemprüfungen nach EN 16034 und Produktnorm EN 14351-1
- Profil-Verbundtechnik nach EN 14024 geprüft
- Festigkeitsanforderung nach EN 1192 (Klasse 4)
- Stahlprofile blank oder bandverzinkt, qualitativ hochwertiger Isoliersteg aus glasfaserverstärktem Polyester
- Grosses Sortiment an systemgeprüften Türbeschlägen
- Barrierefreie Schwellenausbildungen
- Geeignet für Pulver- und Nasslackbeschichtungen

- Système en acier à rupture de pont thermique pour portes et vitrages fixes
- Profondeur de montage 70 mm, montage à fleur à l'intérieur et à l'extérieur
- Fines largeurs de face: Cadre et vantaux à partir de 107,5 mm Partie têtière 155 mm
- Portes à un et deux vantaux, ouverture vers l'intérieur et vers l'extérieur, combinables avec imposte ou vitrage fixe
- Vantaux de porte jusqu'à 1800 x 3600 mm LaxH), il convient de respecter les prescriptions et règlements des divers pays concernés
- Élément de remplissage de 15 à 47 mm d'épaisseur, Montage du vitrage à sec ou à silicone
- Contrôles des systèmes selon EN 16034 et la norme produit EN 14351-1
- Technique d'assemblage de profilés contrôlée selon EN 14024
- Exigence de résistance selon EN 1192 (classe 4)
- Profilés en acier brut ou en bande d'acier zinguée, traverse isolante de grande qualité en polyester renforcé par fibres de verre
- Grand assortiment de ferrures de porte homologuées
- Formes de seuil sans barrière
- Convient aux revêtements par poudre ou peinture liquide

- Thermally insulated steel system for doors and fixed glazing
- 70 mm basic depth, flush-fitted on the inside and outside
- Narrow face widths: Frame and leaf from 107.5 mm Meeting stile assembly 155 mm
- Single and double-leaf doors, inward and outward-opening, can be combined with toplight or fixed glazing
- Door leaf up to 1800 x 3600 mm WxH), the regulations and bye-laws in force in the particular country must be respected
- Infill unit thickness of 15 to 47 mm, Glazing installed by means of dry or wet glazing
- System tests in accordance with EN 16034 and the product standard EN 14351-1
- Profile bonding technology tested in accordance with EN 14024
- Strength requirements in accordance with EN 1192 (Class 4)
- Raw finish or strip galvanised steel profiles, high-quality insulating bar made of glass fibre-reinforced polyester
- Large range of system-tested door fittings
- Easy-access thresholds
- Suitable for powder and wet paint coating




Keramikmasse
Masse de céramique
Ceramic board
Kabelkanal
Caniveau de câbles
Cable channel
Rahmenprofil
Profilé de cadre
Frame profile
Türdichtung
Joint de porte
Door gasket
Flügelprofil
Profilé de vantail
Leaf profile
Stahl-Glasleiste
Parclose en acier
Steel glazing bead
Innendichtung
Joint intérieur
Inner gasket
Aussendichtung
Joint extérieur
Outer gasket
Brandschutzglas
Vitrage de protection incendie
Fire-resistant glass

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	1 (400)	2 (800)	3 (1200)	4 (1600)	5 (2000)	Exxx (>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 43 dB (-1; -4) jusqu'à R_w 43 dB (-1; -4) up to R_w 43 dB (-1; -4)									
 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 2.9 W/m²K à partir de 2.9 W/m²K from 2.9 W/m²K									
 EN 12207	**Luftdurchlässigkeit** **Perméabilité à l'air** **Air permeability**	npd	1 (150)		2 (300)		3 (600)		4 (600)			
 EN 1192	**Klassifizierung der Festigkeitsanforderungen** **Classification des exigences de résistance méc.** **Classification of strength requirements**	npd	1		2		3		4			
 EN 1191 EN 1603	**Dauerfunktionsprüfung** **Durabilité mécanique** **Mechanical durability**		D	1 5'000	2 10'000	3 20'000	4 50'000	5 100'000	6 200'000	7 500'000	8 1'000'000	
 EN 12217	**Bedienkräfte** **Forces de manœuvre** **Operating forces**	npd	0			1			2			
 EN 179 EN 1125	**Fähigkeit zur Freigabe** **Capacité au déclenchement** **Ability to release**		Anforderung erfüllt Exigence remplie Requirement fulfilled									
 EN 1634-1 EN 13501-2	**Brandschutz** **Résistance aux feu** **Fire resistance**		EI60 / EI90									

Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung/Wert Classification / Valeur Classification / Value
 EN 1634-3 EN 13501-2	**Rauchschutz** **Etanchéité à la fumée** **Smoke control**	S_a / S_{200}
 EN 16034 EN 13501-2	**Selbstschliessung** **Fermeture automatique** **Self-closing**	C
 EN 16034	**Dauerhaftigkeit der Selbstschliessung gegenüber Alterung (Korrosion)** **Endurance de la fermeture automatique contre le vieillissement (corrosion)** **Durability of self-closing against ageing (corrosion)**	erzielt atteinte achieved

Fluchttürsysteme

- Verschlusssystem für Notausgangstüren nach EN 179
- Verschlusssystem für Paniktüren nach EN 1125
- Barrierefreie Türen ohne Schwelle für behindertengerechtes Bauen
- Ein- und zweiflügelige Türen nach aussen und nach innen öffnend
- Türflügelgrössen bis 1475 x 3000 mm und Flügelgewicht bis 230 kg

Systèmes de porte de secours

- Système de fermeture pour portes de secours selon EN 179
- Système de fermeture pour portes panique selon EN 1125
- Portes sans seuil pour faciliter l'accès aux personnes handicapées
- Portes à un/deux vantaux à ouverture vers l'intérieur et l'extérieur
- Dimensions de vantail de porte jusqu'à 1475 x 3000 mm et poids de vantail jusqu'à 230 kg

Emergency exit systems

- Closing system for emergency exit doors in accordance with EN 179
- Closing system for panic doors in accordance with EN 1125
- Barrier-free doors without threshold for accessible buildings
- Single and double-leaf doors, inward and outward opening
- Door leaf sizes up to 1475 x 3000 mm and leaf weight up to 230 kg

Kombination EI30/EI60

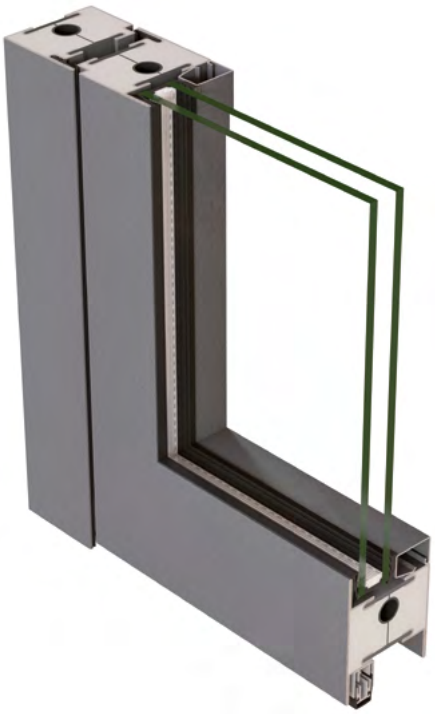
- Für die Kombination von EI30 (Janisol 2) mit EI60 (Janisol C4)
- Möglich durch Janisol 2 Profile in der Bautiefe 70 mm
- Antwort auf gestiegenen Sicherheitsanforderungen
- Tür-, Riegel- und Sockelprofile in blanker und verzinkter Ausführung
- Identische Ansichten und Bautiefen in den Brandklassen von EI30 bis EI90

Combinaison EI30/EI60

- Pour la combinaison EI30 (Janisol 2) avec EI60 (Janisol C4)
- Possible grâce aux profilés Janisol 2 avec une profondeur de montage de 70 mm
- Répond à de plus hautes exigences de sécurité
- Profilés de porte, de traverse ou de socle en exécution brute ou galvanisée
- Largeurs de face et profondeurs d'encastrement identiques dans les classes de résistance au feu EI30 jusqu'à EI90

Combination of EI30/EI60

- For the combination of EI30 (Janisol 2) with EI60 (Janisol C4)
- Possible by means of Janisol 2 profiles in 70 mm basic depth
- Answer to increasing security requirements
- Door, transom and sill profiles in raw and galvanised design
- Identical face widths and basic depths in fire resistance classes from EI30 to EI90



Janisol C4 Rauchschutztüren S_a/S_m

- Rauchschutz gemäss EN 1634 und EN 13501-2
- S_a gewährleistet durch 3-seitig dichtschliessende Türe
- S_m durch eine zusätzliche Senkdichtung im Schwellenbereich erfüllt

Portes pare-fumée Janisol C4 S_a/S_m

- Conception pare-fumée selon EN 1634 et EN 13501-2
- S_a garanti grâce à la porte à fermeture étanche sur 3 côtés
- S_m rempli par un joint supplémentaire dans la zone du seuil

Janisol C4 smoke doors S_a/S_m

- Smoke protection in accordance with EN 1634 and EN 13501-2
- S_a guaranteed due to tightly-closing door on three sides
- S_m fulfilled through an additional floor seal in threshold area

Verblechte Janisol C4 EI60 Türen

- Für ein- und zweiflügelige Brandschutztüren mit oder ohne Seitenteile resp. Oberlichter
- Flächenbündig verblechte Türen
- Bleche können an den Rahmen geschweisst oder geklebt werden
- Mit oder ohne Glasausschnitte möglich

Portes tôlées Janisol C4 EI60

- Pour des portes coupe-feu à un/deux vantaux avec ou sans pièces latérales ou impostes
- Portes tôlées à fleur
- Les tôles peuvent être soudées ou collées sur le cadre
- Possibles avec ou sans panneaux de verre

Janisol C4 EI60 sheet metal doors

- For single and double-leaf fire doors with or without sidelights or toplights
- Flush-fitted sheet metal doors
- Sheet metal can be welded or bonded to the frame
- Possible with or without glass vision panels

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Information and advice

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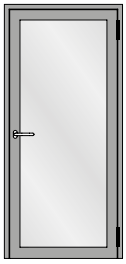
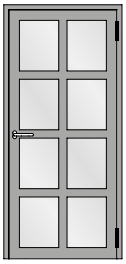
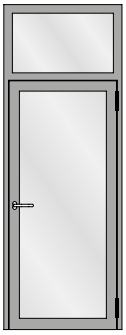


Einflügelige Türe
Porte à un vantail
Single leaf door

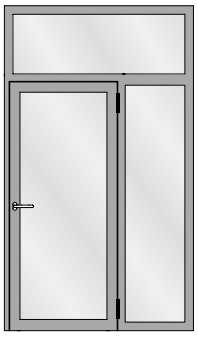


Einflügelige Türe mit Riegel
Porte à un vantail avec traverse
Single leaf door with transom

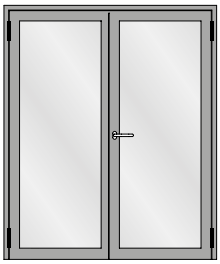
Einflügelige Türe mit festem Seitenteil
Porte à un vantail avec partie latérale fixe
Single leaf door with fixed side light



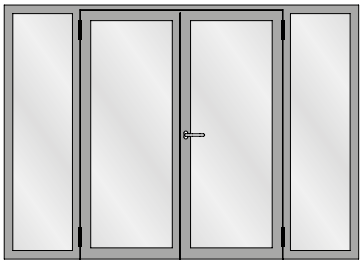
Einflügelige Türe mit festem Oberlicht
Porte à un vantail avec imposte fixe
Single leaf door with fixed top light



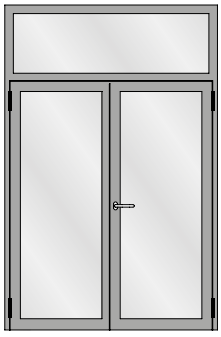
Einflügelige Türe mit festem Seitenteil und festem Oberlicht
Porte à un vantail avec avec partie latérale fixe et imposte fixe
Single leaf door with fixed side light and fixed top light



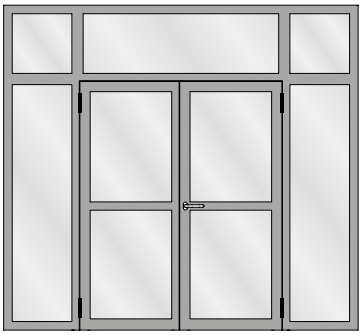
Zweiflügelige Türe
Porte à deux vantaux
Double leaf door



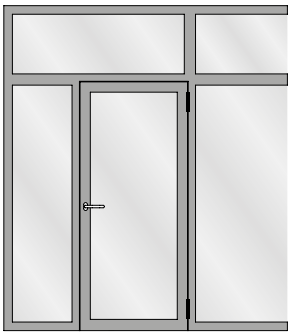
Zweiflügelige Türe mit zwei festen Seitenteilen
Porte à deux vantaux avec deuxparties latérales fixes
Double leaf door with two fixed side lights



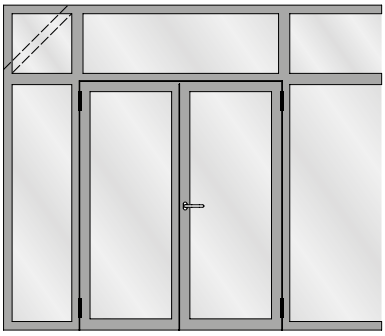
Zweiflügelige Türe mit festem Oberlicht
Porte à deux vantaux avec imposte fixe
Double leaf door with fixed top light



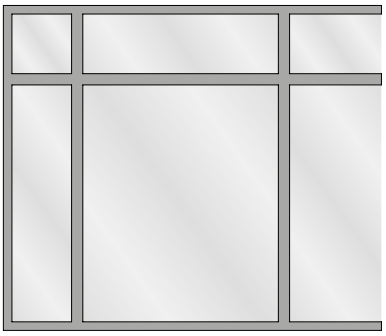
Zweiflügelige Türe mit zwei festen Seitenteilen und festen Oberlichtern
Porte à deux vantaux avec deux parties latérales fixes et impostes fixes
Double leaf door with two fixed side lights and fixed top lights



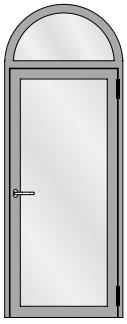
Festverglasung mit einflügeliger Türe
Vitrage fixe avec porte à un vantail
Fixed glazing with single leaf door



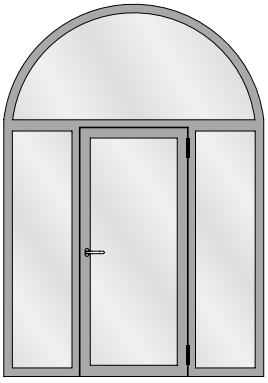
Festverglasung mit zweiflügeliger Türe
Vitrage fixe avec porte à deux vantaux
Fixed glazing with double leaf door



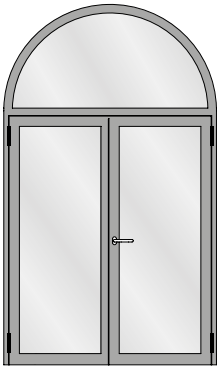
Festverglasung
Vitrage fixe
Fixed glazing



Einflügelige Türe mit Rundbogen-Oberlicht
Porte à un vantail avec imposte demi-ronde
Single leaf door with round arched top light

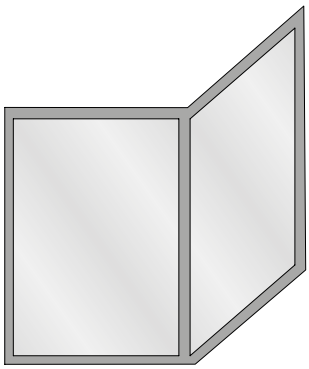


Einflügelige Türe mit zwei festen Seitenteilen und Rundbogen-Oberlicht
Porte à un vantail avec deux parties latérales fixes et imposte demi-ronde
Single leaf door with two fixed side lights and round arched top light

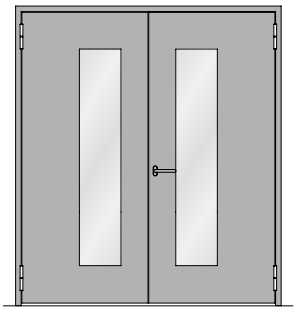


Zweiflügelige Türe mit Rundbogen-Oberlicht
Porte à deux vantaux avec imposte demi-ronde
Double leaf door with round arched top light

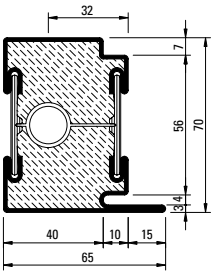
Stossfugenverglasung
Vitrage joint vif
Butt-joint glazing



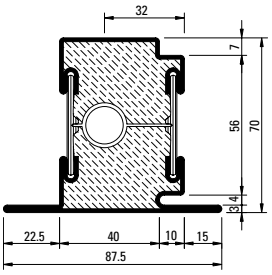
Eckausbildung
Vitrage d'angle
Corner glazing



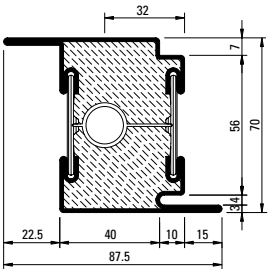
Verblechte Türe
Porte tôlée
Sheet metal door



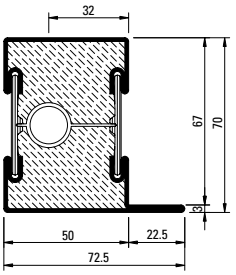
630.013.C4
630.013.C4 Z
630.013.C45



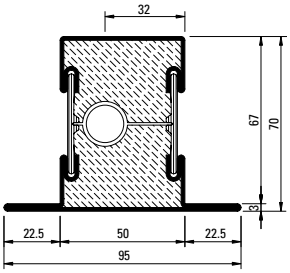
630.114.C4
630.114.C4 Z
630.114.C45



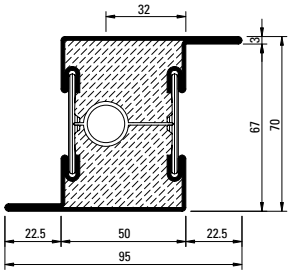
630.416.C4
630.416.C4 Z
630.416.C45



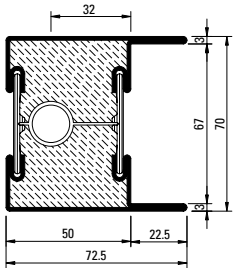
601.685.C4
601.685.C4 Z
601.685.C45



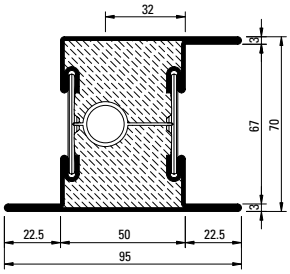
602.685.C4
602.685.C4 Z
602.685.C45



603.685.C4
603.685.C4 Z



604.685.C4
604.685.C4 Z



605.685.C4
605.685.C4 Z
605.685.C45

Oberfläche/Werkstoff

Artikel-Nr.

ohne Zusatz = blank

mit Z = bandverzinkter Stahl

Werkstoff 1.4301 (AISI 304)
mit 45 = blank
mit 47 = geschliffen, Korn 220-240

Edelstahl geschliffen auf Anfrage

Surface/Matériau

No. d'article

sans supplément = brut

avec Z = bande d'acier zinguée

Matériau 1.4301 (AISI 304)
avec 45 = brut
avec 47 = polies, grain 220-240

Acier Inox polie sur demande

Surface/Material

Part no.

without addition = bright

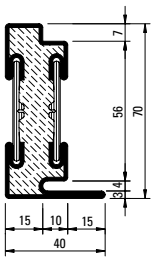
with Z = strip galvanised steel

Material 1.4301 (AISI 304)
with 45 = bright
with 47 = polished, grain 220-240

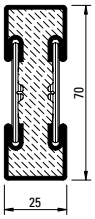
Stainless steel polished on request

Profil-Nr.	G kg/m	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	U m²/m
630.013.C4	7,064	27,3	6,39	18,7	5,14	0,293
630.114.C4	7,584	31,0	6,68	27,4	5,93	0,337
630.416.C4	7,584	34,0	9.01	27,4	5,93	0,337

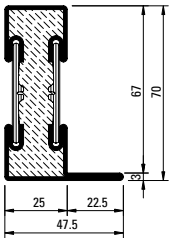
Profil-Nr.	G kg/m	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	U m²/m
601.685.C4	7,224	28,0	6,63	21,7	5,12	0,285
602.685.C4	7,744	31,8	6,92	31,1	6,54	0,330
603.685.C4	7,744	34,6	9,27	31,1	6,54	0,330
604.685.C4	7,744	34,6	9,27	27,1	7,03	0,341
605.685.C4	8,274	39,8	9,65	38,4	7,46	0,374



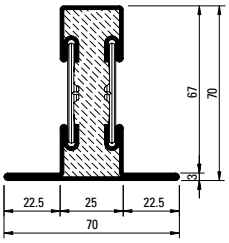
630.010.C4
630.010.C4 Z



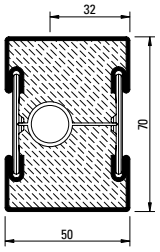
600.006.C4
600.006.C4 Z



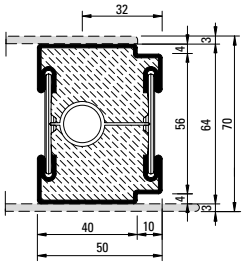
601.635.C4
601.635.C4 Z



602.635.C4
602.635.C4 Z

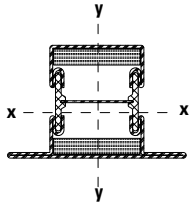


600.005.C4
600.005.C4 Z



600.010.C4
600.010.C4 Z

Stabachse
Axe de la barre
Bar axis



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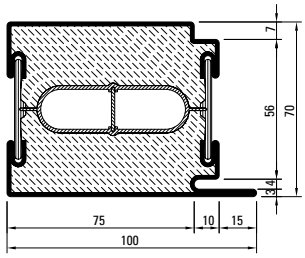
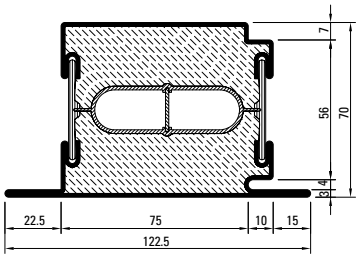
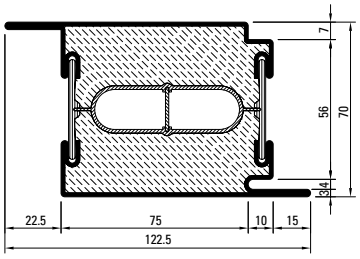


630.016.C4*
630.016.C4 Z*



630.115.C4*
630.115.C4 Z*

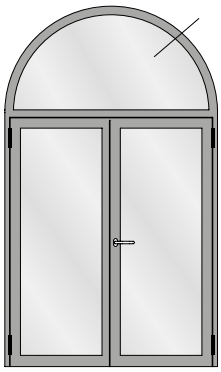


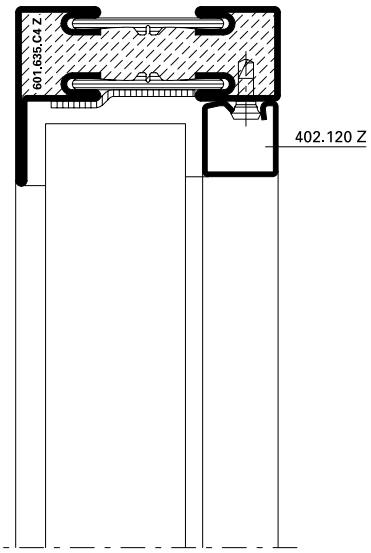
630.417.C4*
630.417.C4 Z*

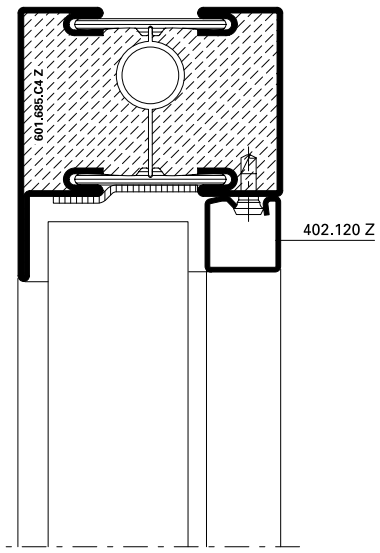
* Länge/Longueur/Length 3 m

Profil-Nr.	G kg/m	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	U m²/m
630.010.C4	4,574	20,1	4,59	4,14	1,63	0,248
600.006.C4	4,204	16,0	4,29	2,76	2,20	0,191
601.635.C4	4,724	20,8	4,82	5,84	1,88	0,235
602.635.C4	5,240	24,3	5,13	10,1	2,88	0,291
600.005.C4	6,704	23,1	6,17	14,6	5,84	0,241
600.010.C4	6,064	18,6	5,44	13,1	5,17	0,237

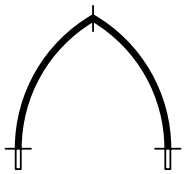
Profil-Nr.	G kg/m	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	U m²/m
630.016.C4	10,310	37,18	8,92	61,05	11,63	0,368
630.115.C4	10,830	41,19	9,18	79,58	12,42	0,412
630.417.C4	10,830	43,71	11,62	79,58	12,42	0,412







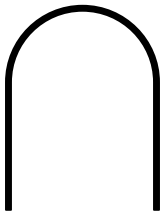
Halbrundbogen
Arc semi-circulaire
Semi-circular arch



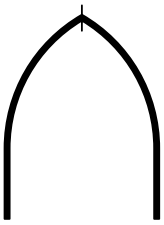
Spitzbogen
Arc en ogive
Gothic arch

Stichbogen
Arc bombé
Segmented arch

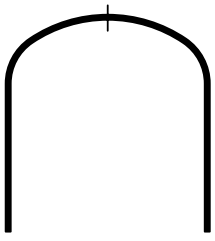
Korbbogen
Anse de panier
Oval arch



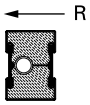
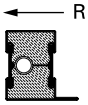
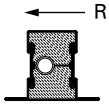
Halbrundbogen mit Schenkel
Arc surhaussé prolongée
Semi-circular arch with side extension

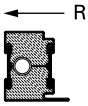
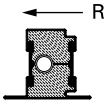
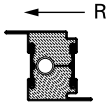


Spitzbogen mit Schenkel
Arc en ogive prolongée
Gothic arch with side extension



Korbbogen mit Schenkel
Anse de panier prolongée
Oval arch with side extension

Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
	
600.006.C4 Z	600 mm
600.005.C4 Z	1250 mm
	
601.635.C4 Z	600 mm
601.685.C4 Z	1300 mm
	
602.685.C4 Z	1550 mm

Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
	
630.010.C4 Z	600 mm
630.013.C4 Z	2050 mm
	
630.114.C4 Z	2050 mm
	
630.416.C4 Z	2050 mm

Stahl-Glasleisten Parcloses en acier Steel glazing beads	Min. Radius Rayon min. Min. radius R
402.112 Z	500 mm
402.115 Z	500 mm
402.120 Z	600 mm
402.125 Z	750 mm
402.130 Z	1000 mm
62.507 Z	300 mm
62.508 Z	300 mm
62.509 Z	300 mm

Biegen von Edelstahl-Profilen auf Anfrage!

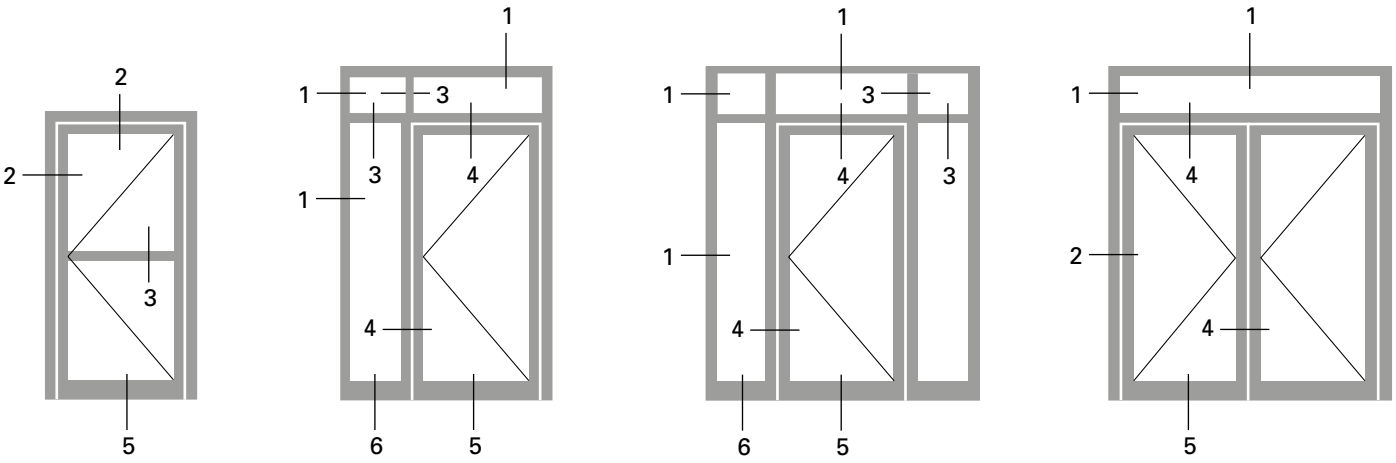
Die Radien-Angaben beziehen sich auf die langjährige Erfahrung und Fertigung im Hause Jansen.

Profilés acier Inox sur demande!

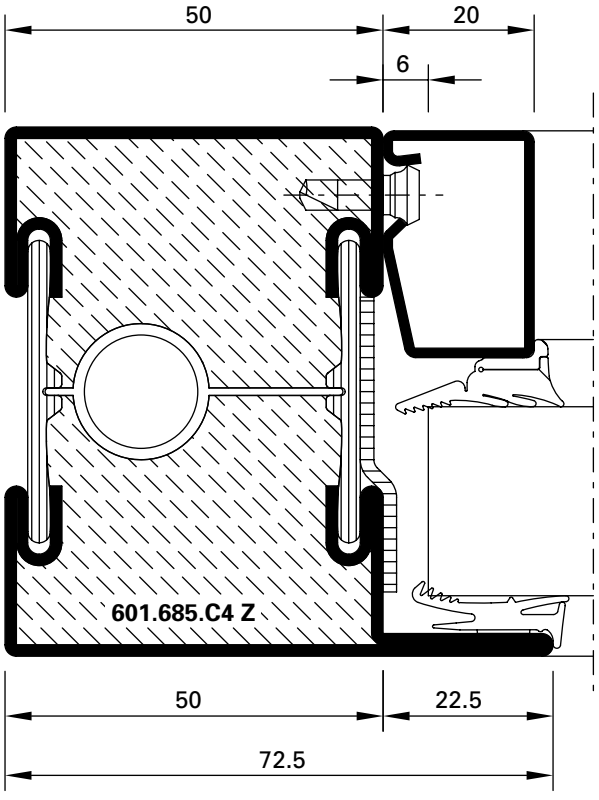
Les rayons indiqués se fondent sur la longue expérience et la fabrication au sein de la maison Jansen.

Stainless steel profiles on request!

The radii specifications are based on the many years of experience Jansen has in fabrication.

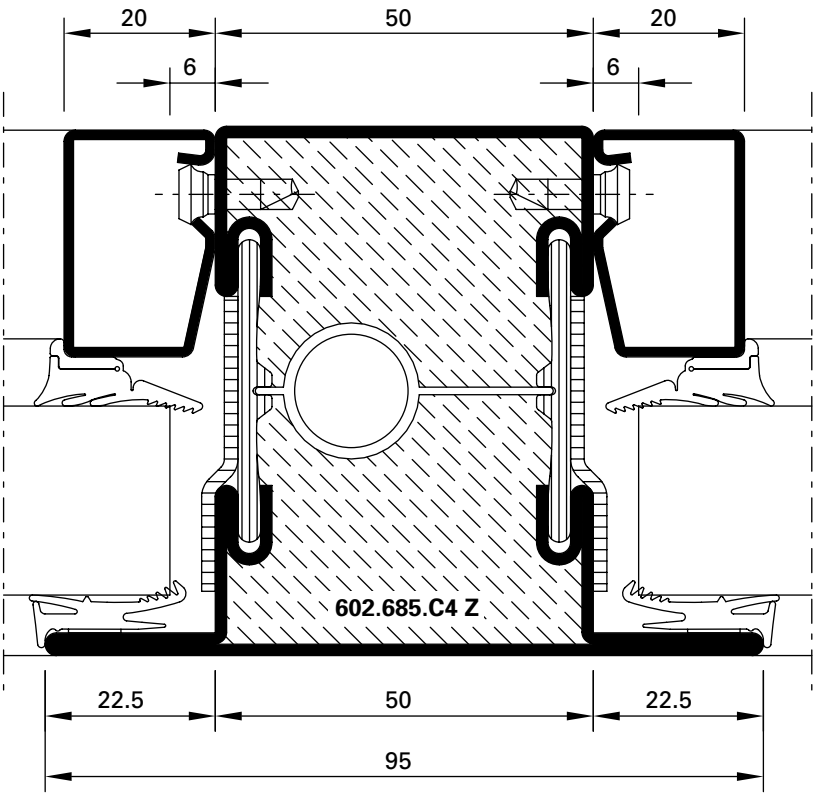


1.0



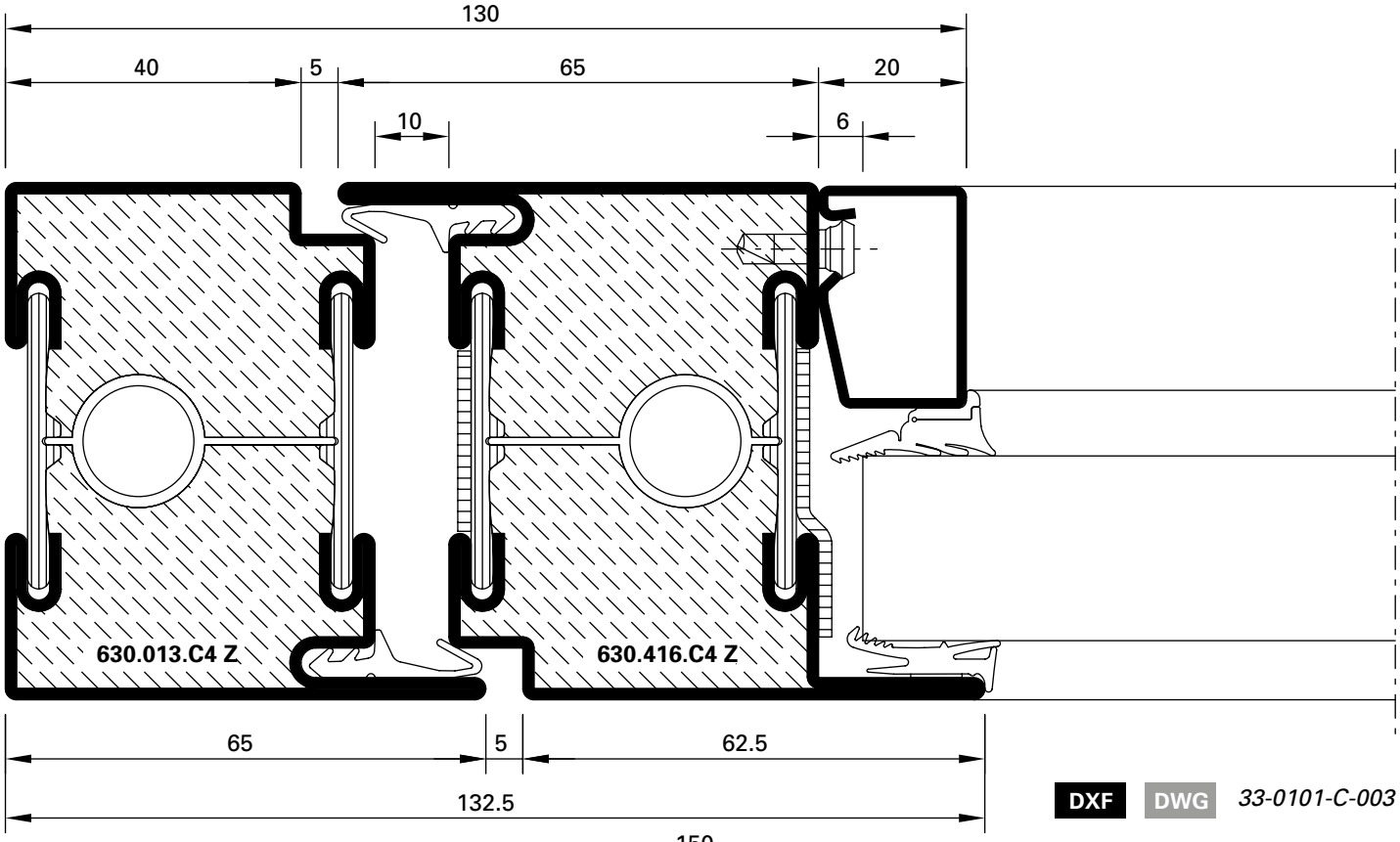
DXF DWG *33-0101-C-001*

3.0



DXF DWG *33-0101-C-002*

2.0



DXF DWG *33-0101-C-003*

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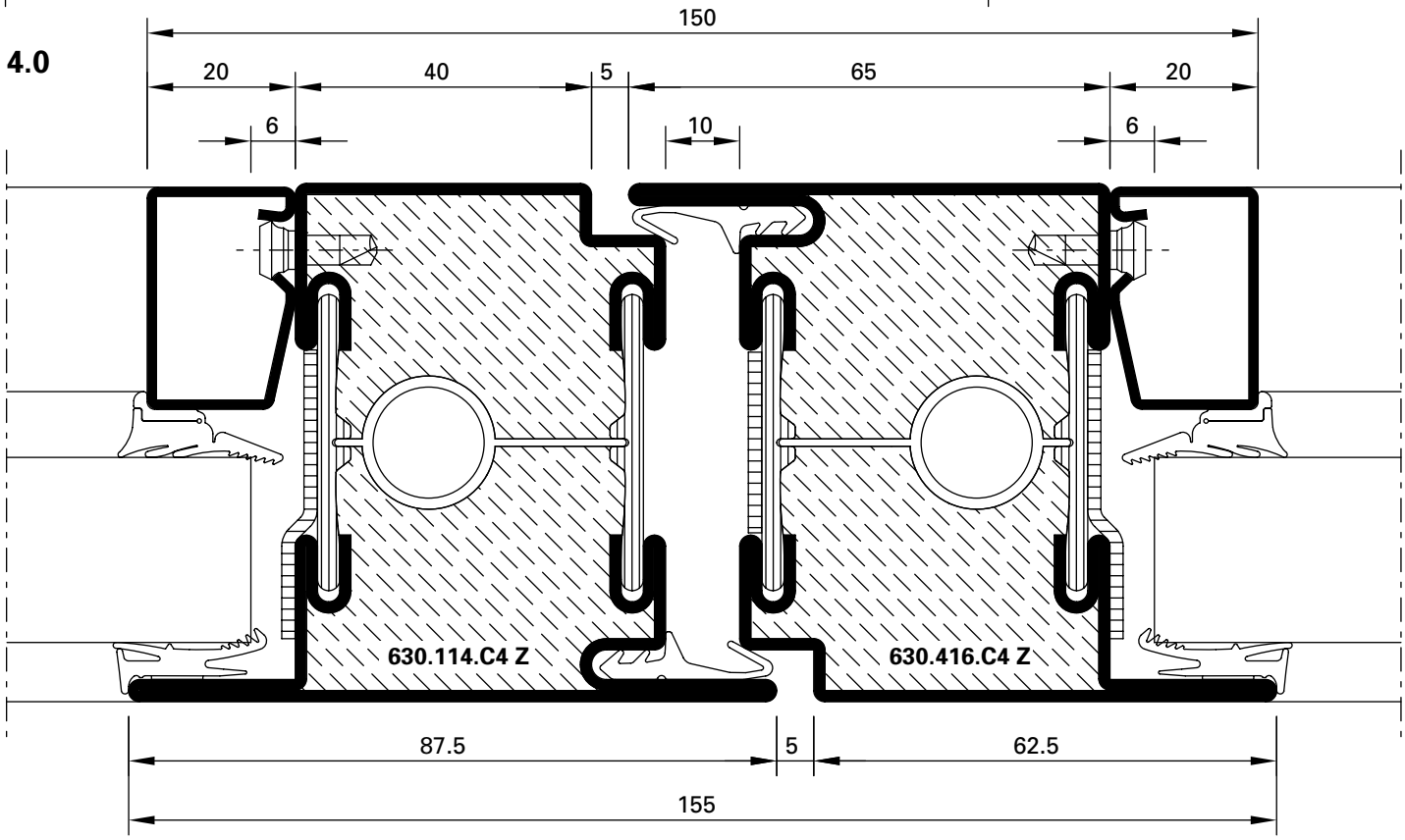

DXF DWG *33-0101-C-004*

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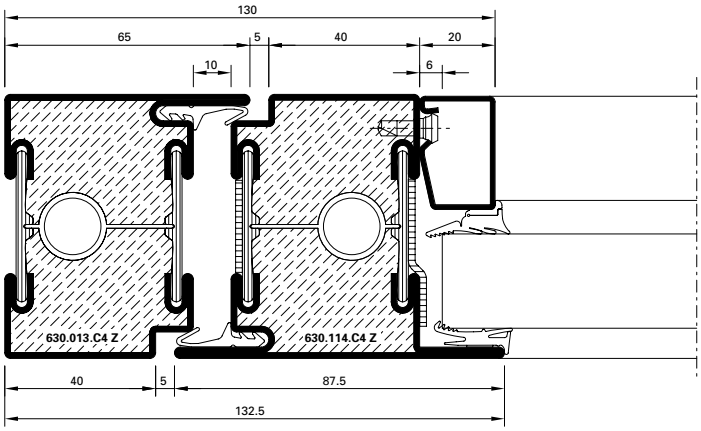
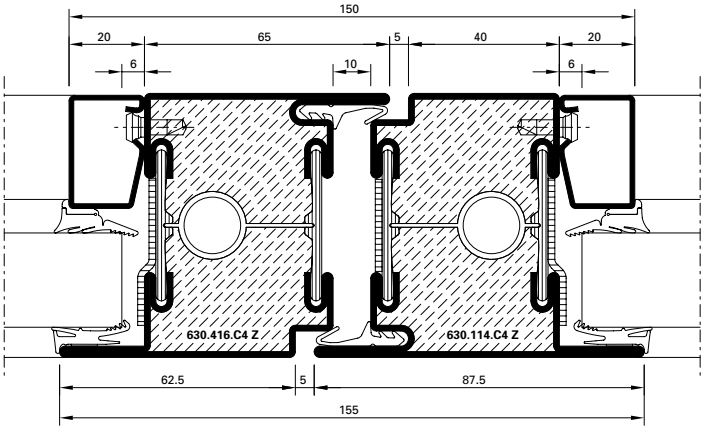


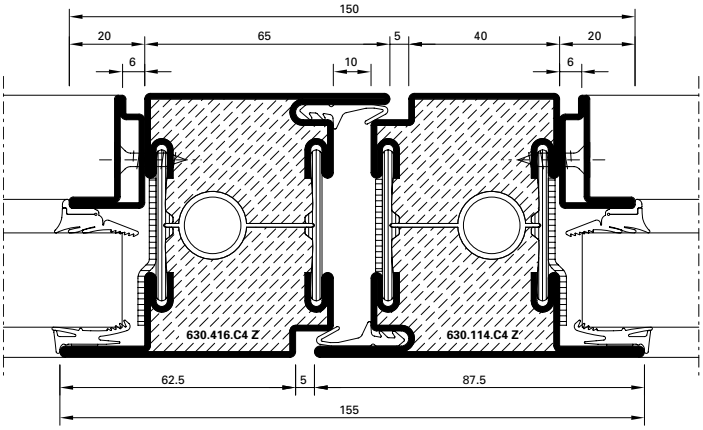
DXF DWG *33-0101-C-005*

4.1



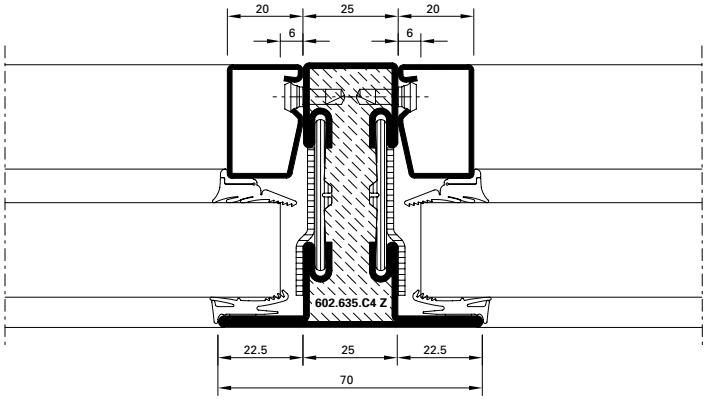
DXF DWG *33-0101-C-006*

4.2



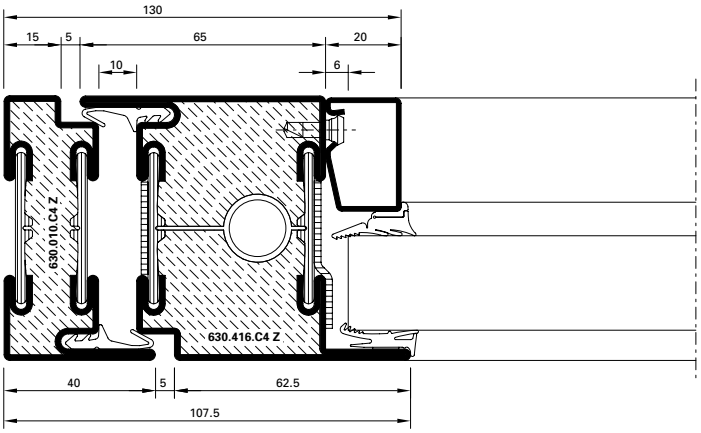
DXF DWG *33-0101-C-007*

3.1



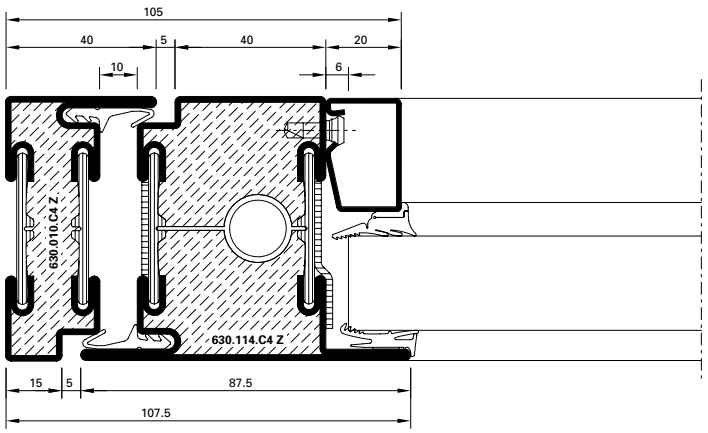
DXF DWG *33-0101-C-014*

2.2



DXF DWG *33-0201-C-016*

2.3



DXF DWG *33-0201-C-015*

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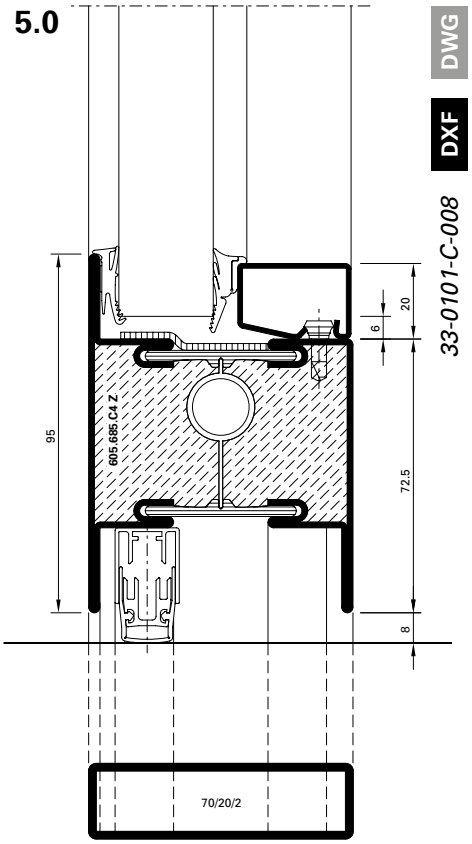
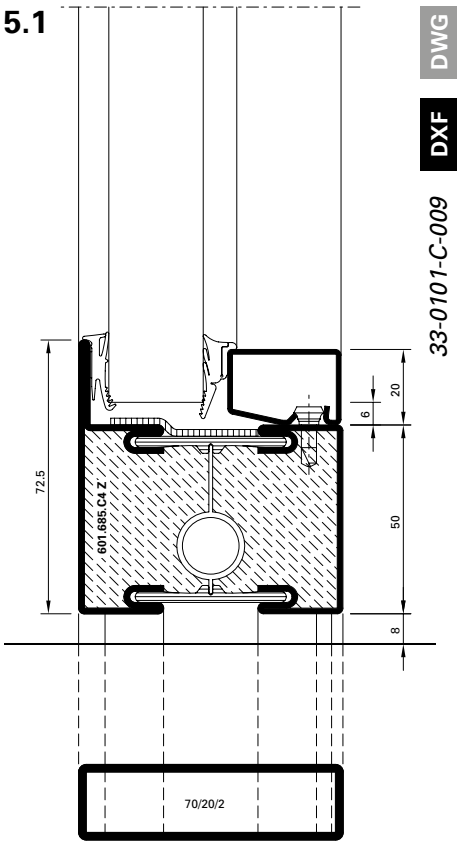


DWG DXF *33-0101-C-008*

5.1



DWG DXF *33-0101-C-009*

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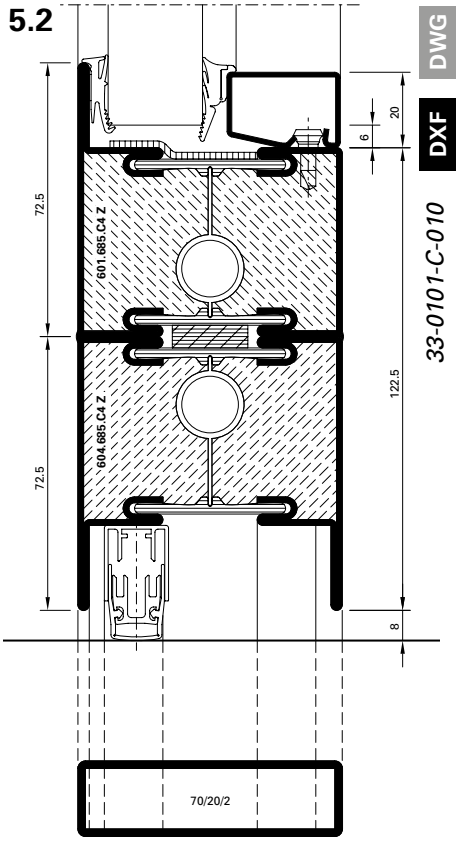

DWG DXF *33-0101-C-010*

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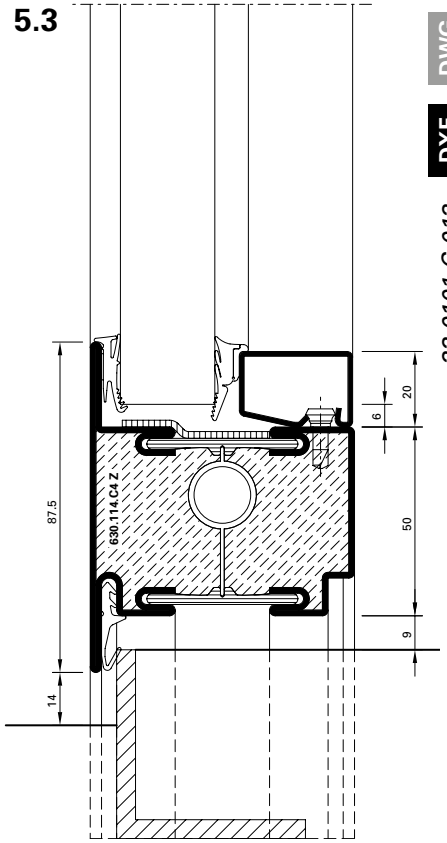
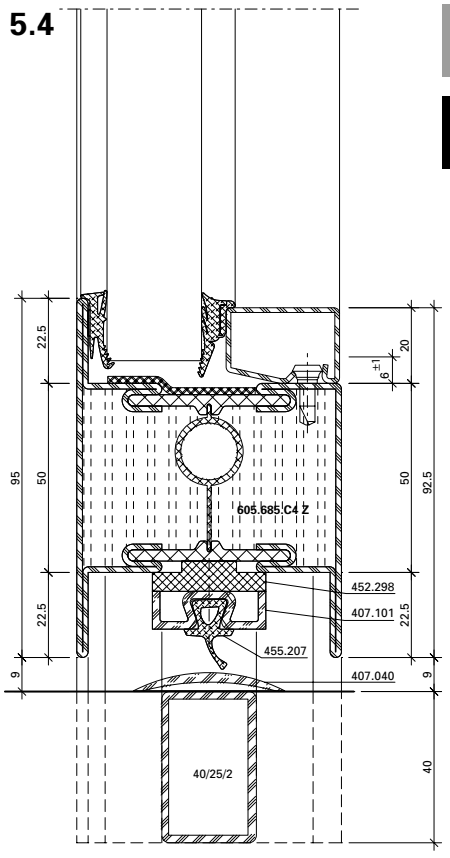


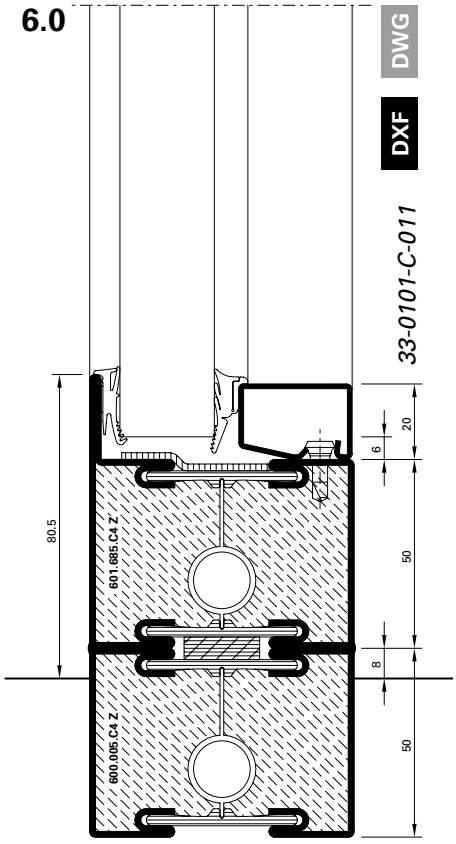
DWG DXF *33-0101-C-013*

5.4

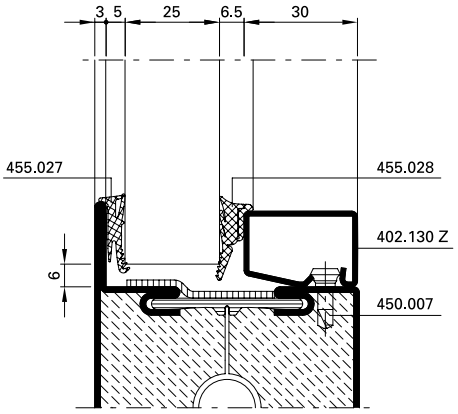


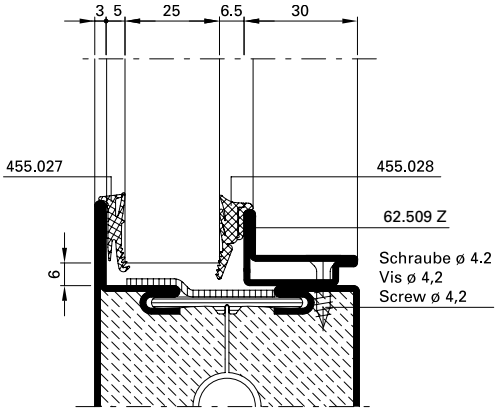
DWG DXF *33-0101-C-015*

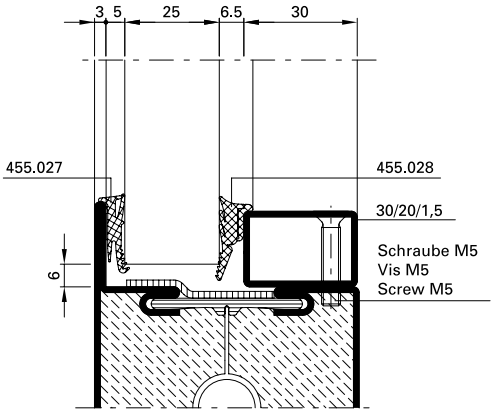
6.0

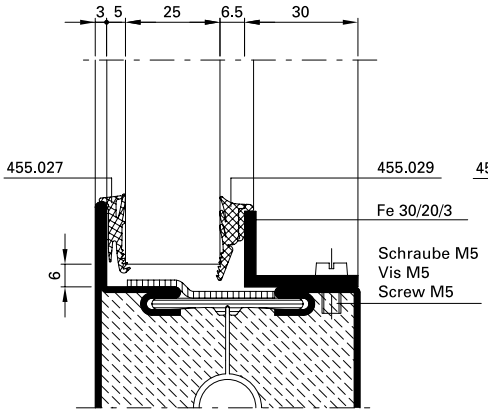


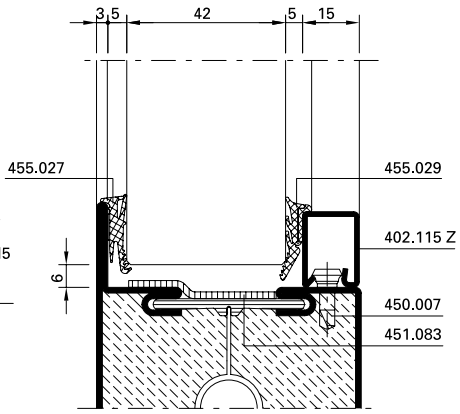
DWG DXF *33-0101-C-011*

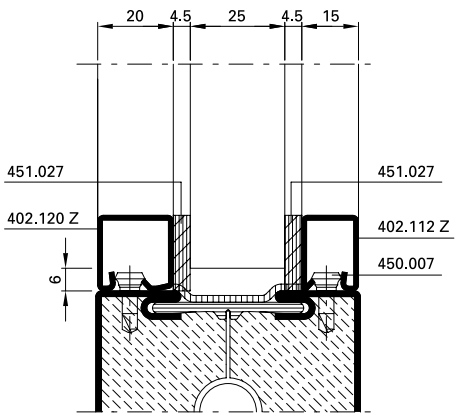








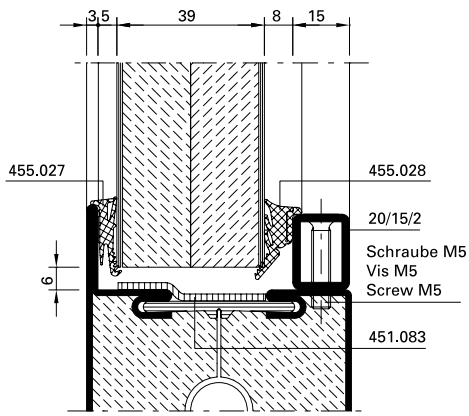


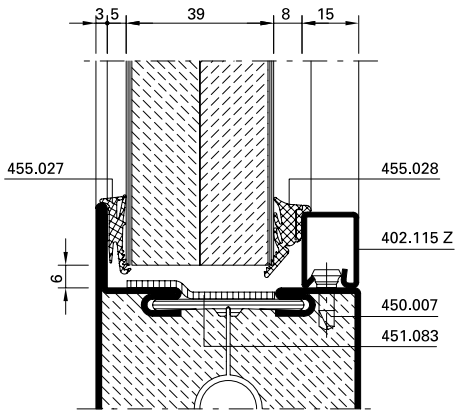


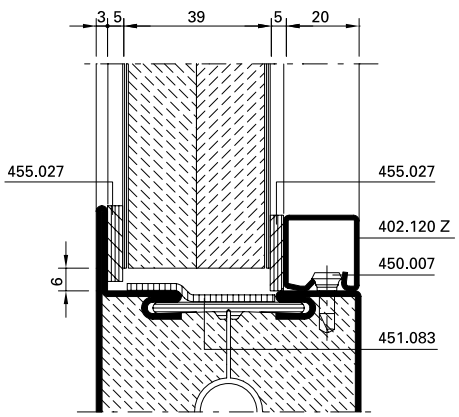
Promatect H
Tür oder Festverglasung
Porte ou vitrage fixe
Door or fixed glazing

Promatect H
Tür oder Festverglasung
Porte ou vitrage fixe
Door or fixed glazing

Promatect H
Tür oder Festverglasung
Porte ou vitrage fixe
Door or fixed glazing



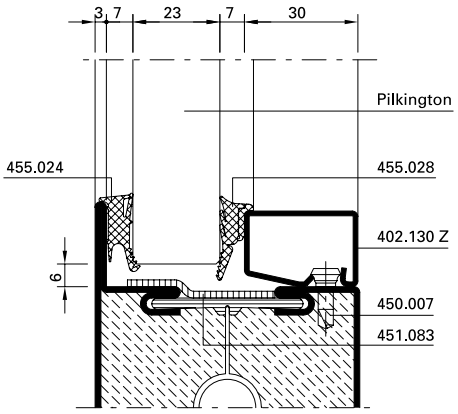




Bedingt durch verschiedene Toleranzen (Profile, Glasleisten, Anordnung Befestigungsknöpfe, Glasdichtungen resp. Papierfaserbänder und Glaselemente) empfehlen wir, die Wahl der Papierfaserbänder resp. Glasdichtungen vorgängig an einem Element zu prüfen.

A cause des différentes tolérances (profilés, parcloses, disposition boutons de fixation, joints de vitrage resp. bande de papier et éléments vitrés) nous recommandons d'effectuer un essai préalable avec la bande de fibre de papier resp. joints de vitrage choisie sur un élément.

Owing to variations in the tolerances (profiled sections, glazing beads, layout of bead studs, glazing weatherstrips, paper fibre strips and glazing) it is advisible to check your choice of paper fibre strips resp. glazing weatherstrips on an infill panel beforehand.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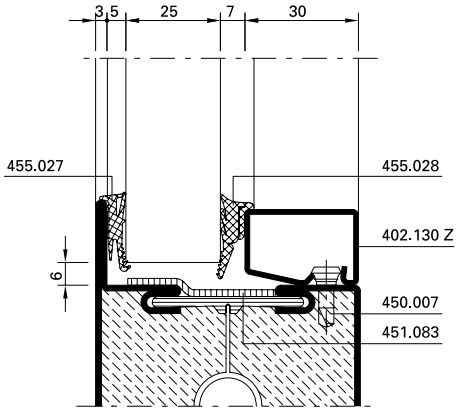
7
23
7
30
Pilkington
455.024
455.028
402.130 Z
6
450.007
451.083


3
5
25
7
30
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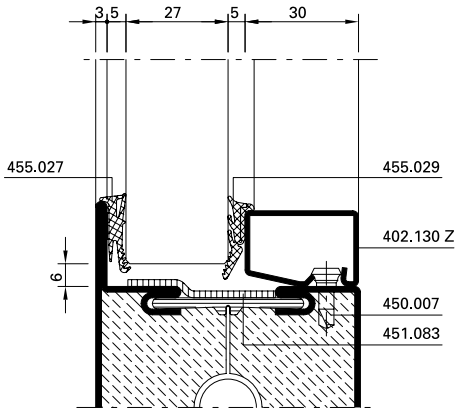
455.028
402.130 Z
6
450.007
451.083


3
5
27
5
30
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455.029
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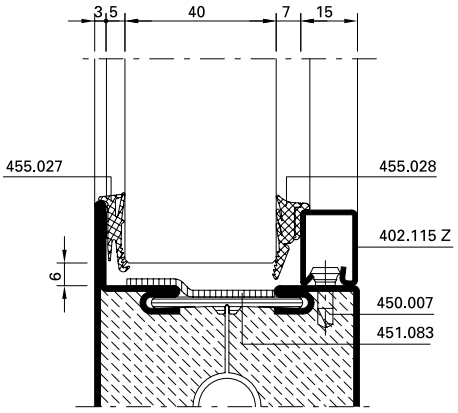
6
450.007
451.083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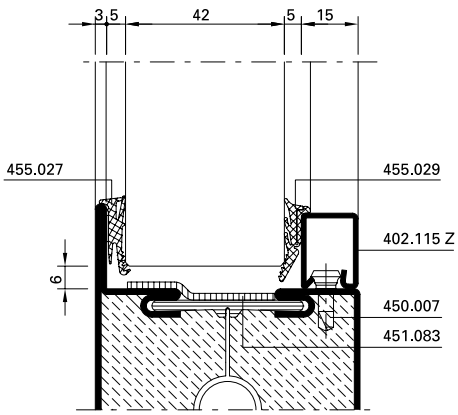
5
40
7
15
455.027
455.028
402.115 Z
6
450.007
451.083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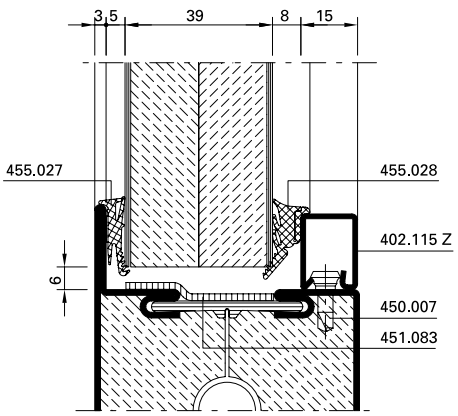
3
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39
8
15
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455.028
402.115 Z
6
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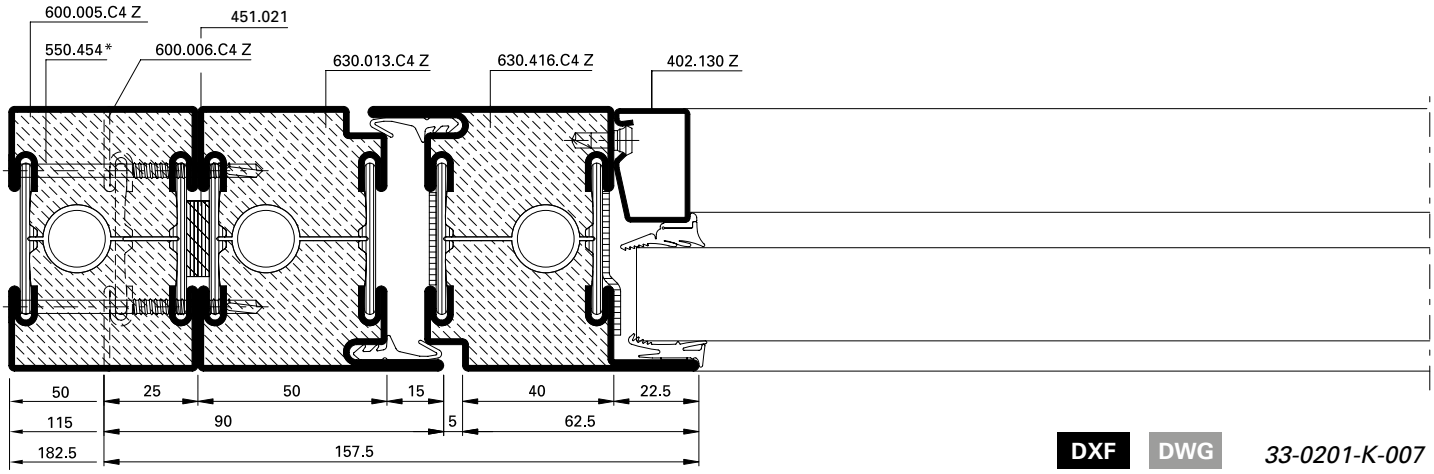
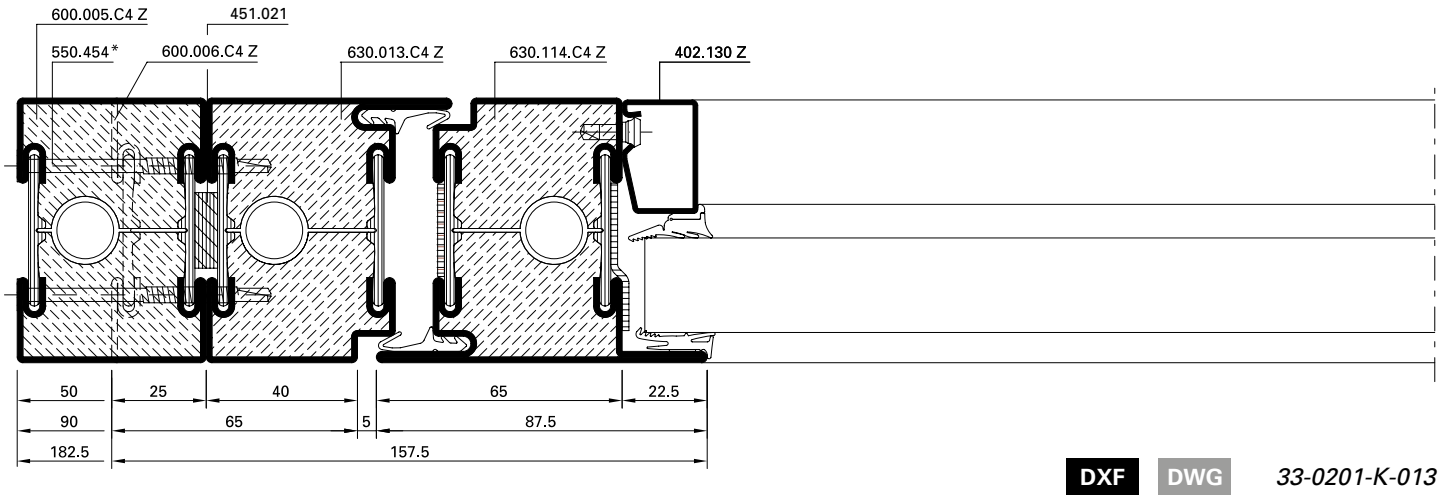
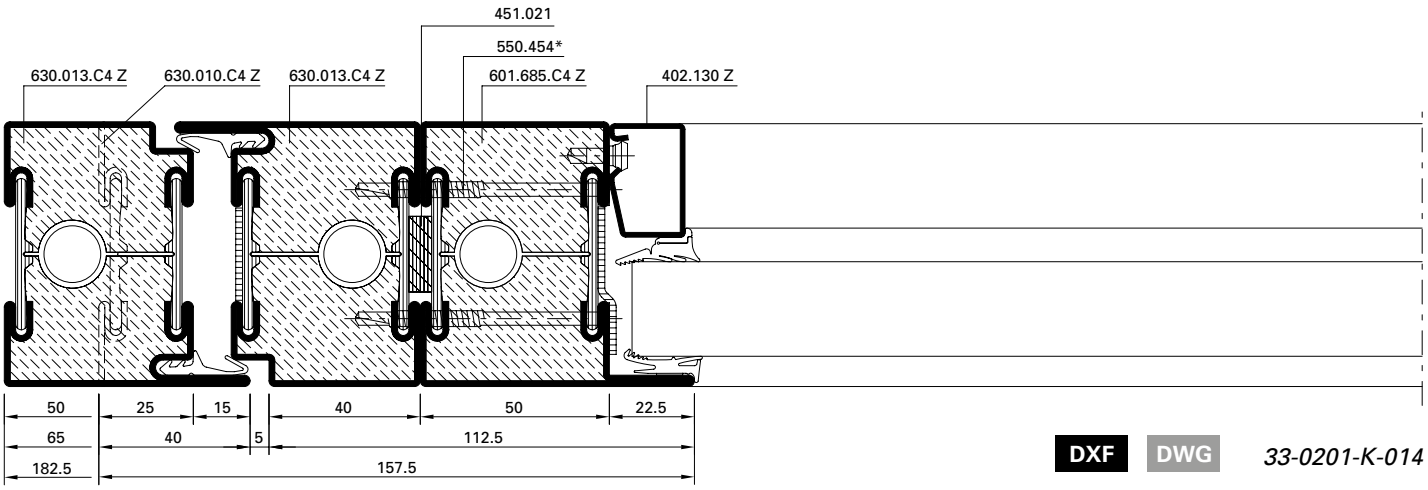


DXF **DWG** *33-0201-K-007*



DXF **DWG** *33-0201-K-013*



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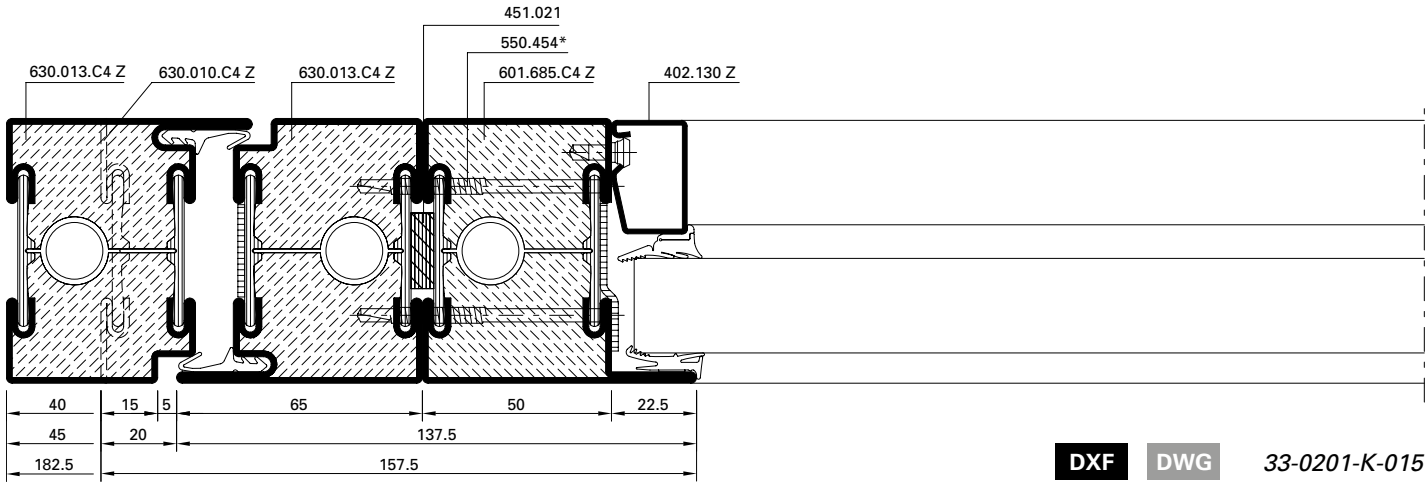

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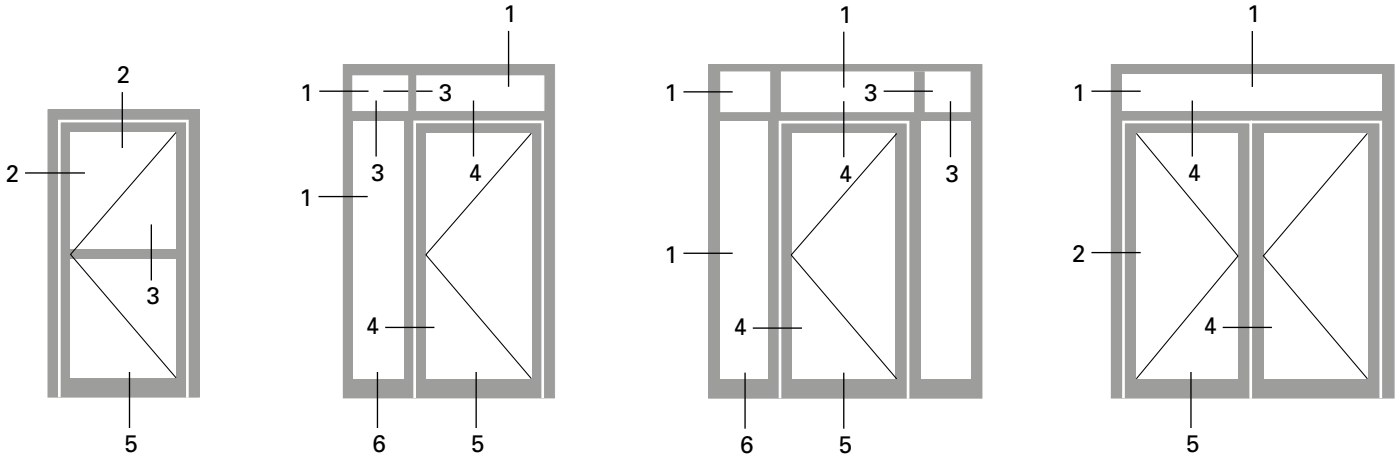

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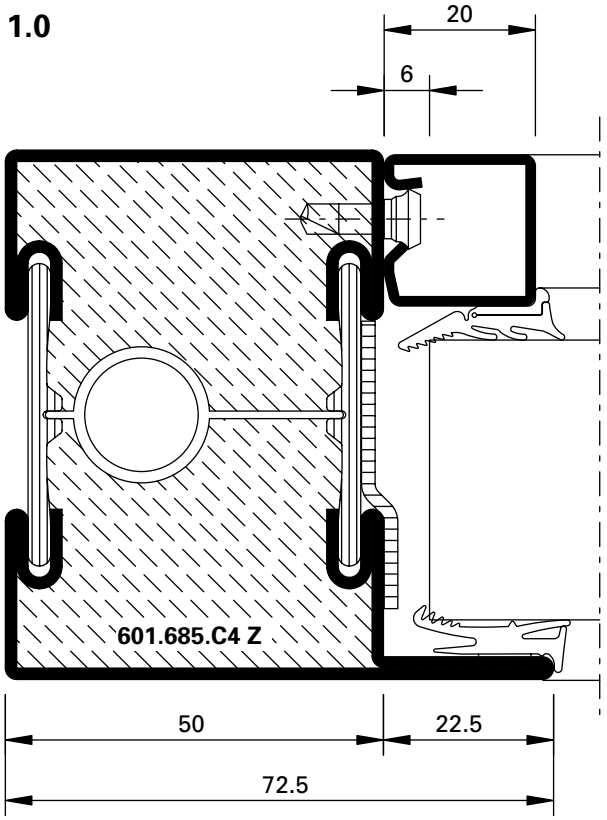

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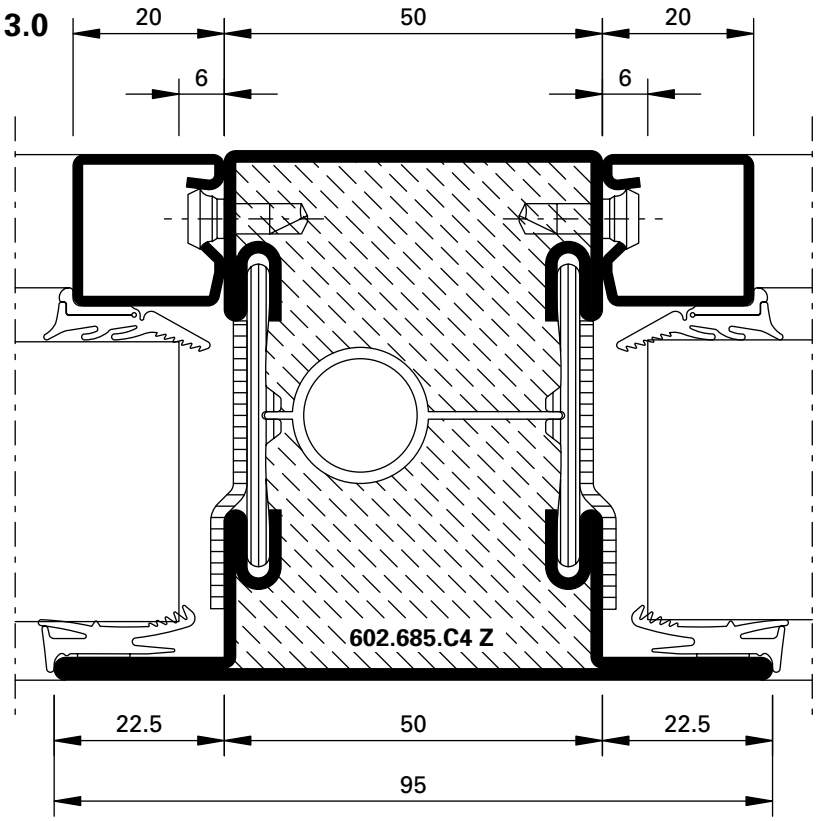
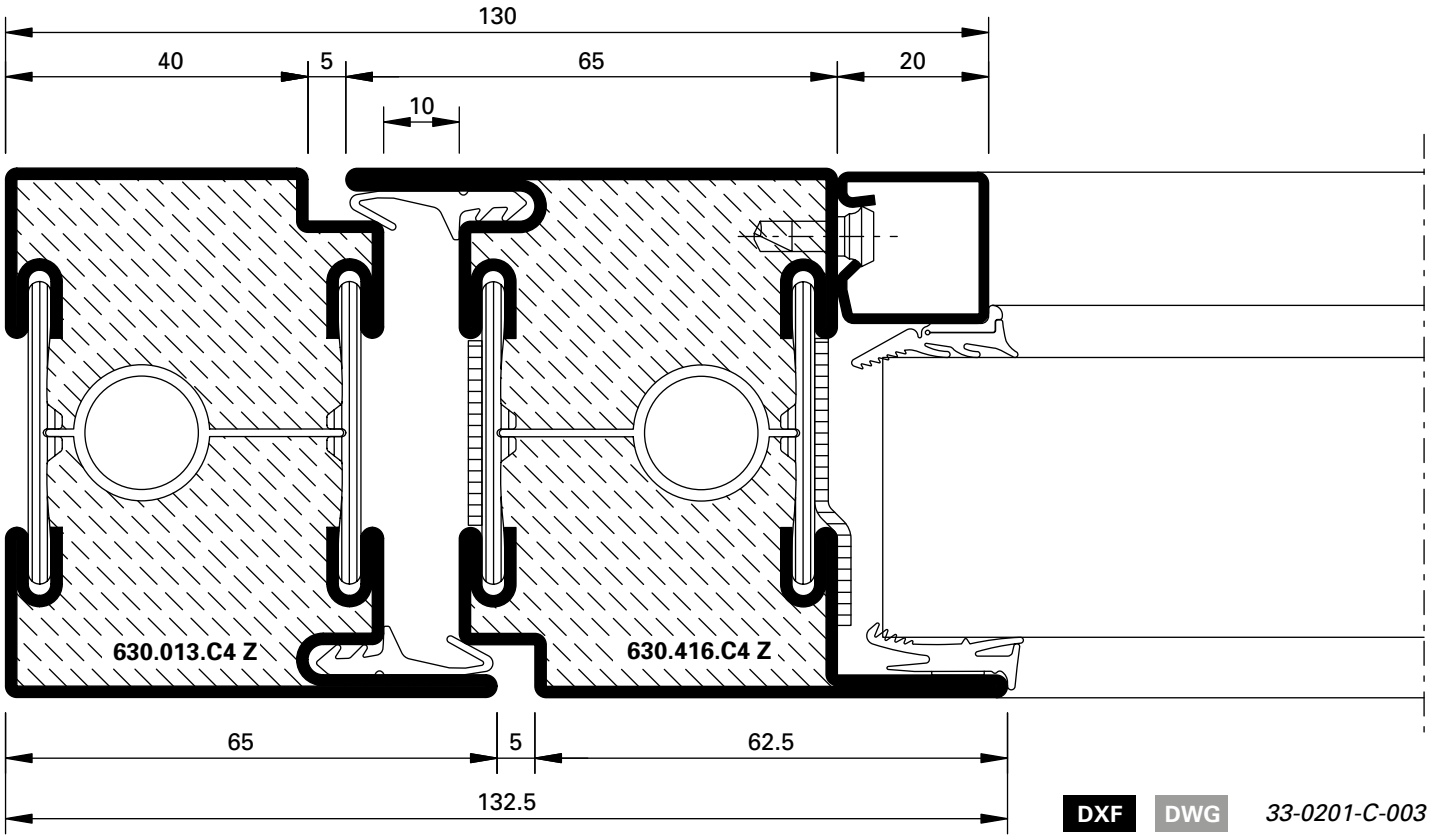


DXF DWG *33-0201-C-001*

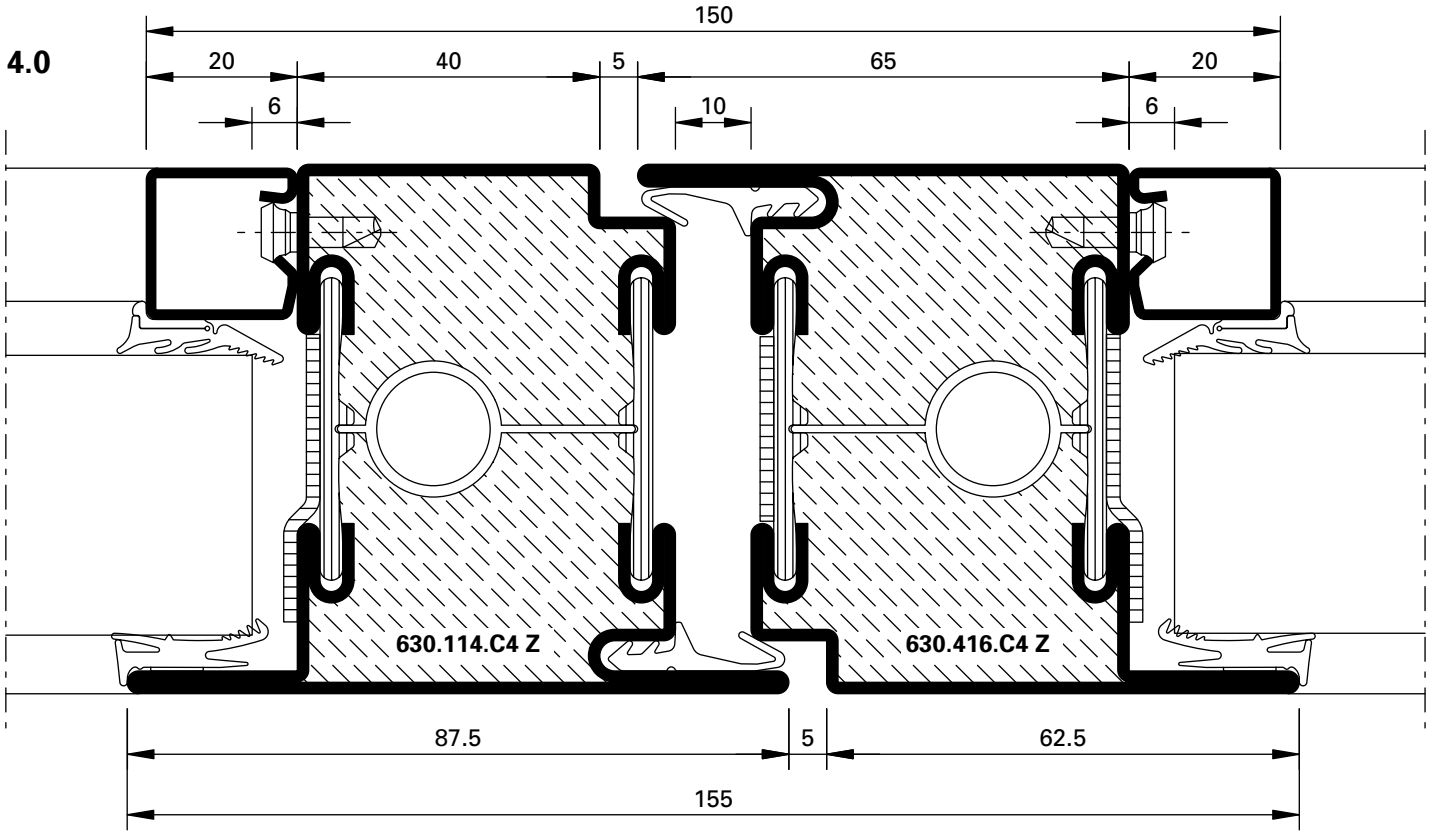
DXF DWG *33-0201-C-002*

2.0



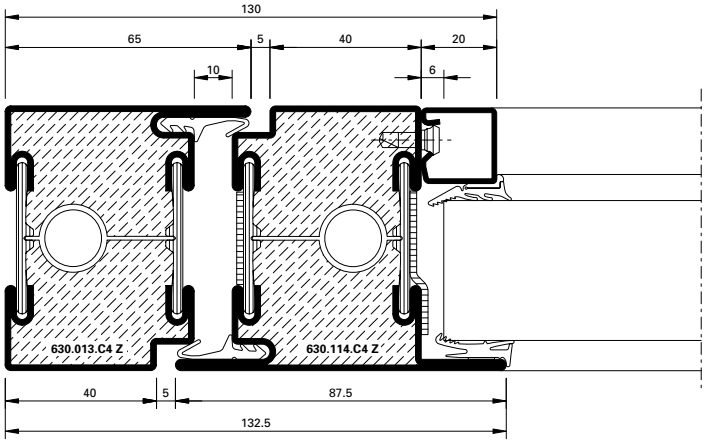
DXF DWG *33-0201-C-003*

4.0



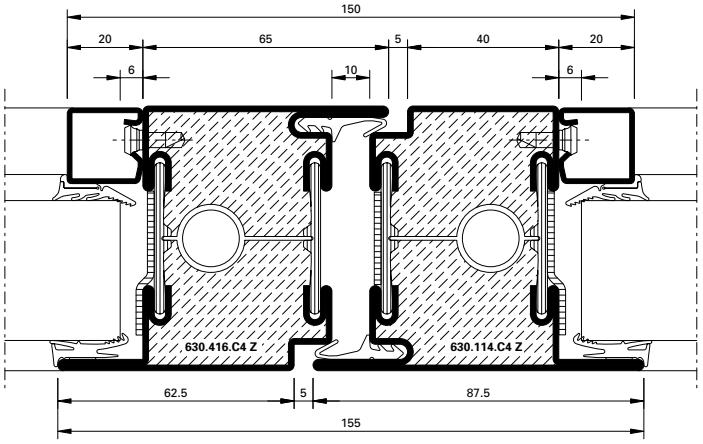
DXF DWG *33-0201-C-004*

2.1



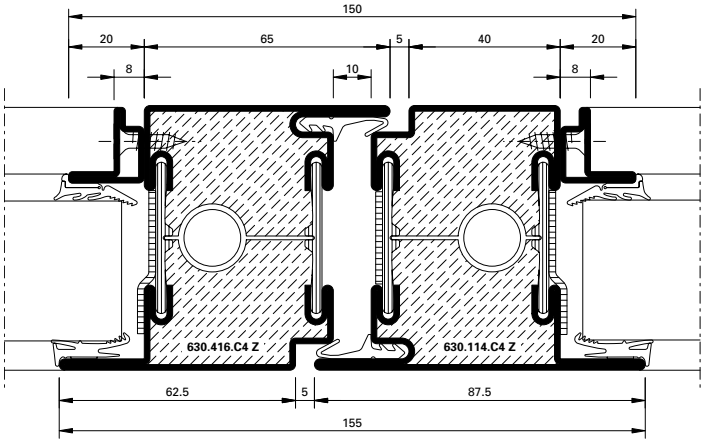
DXF DWG *33-0201-C-005*

4.1



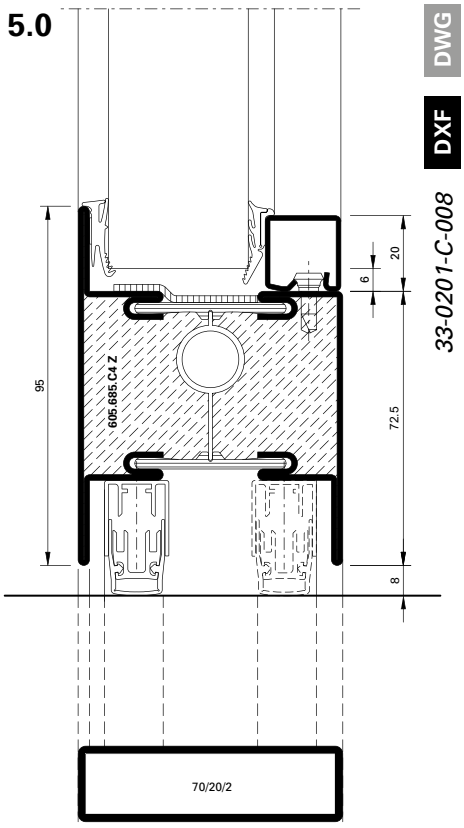
DXF DWG *33-0201-C-006*

4.2



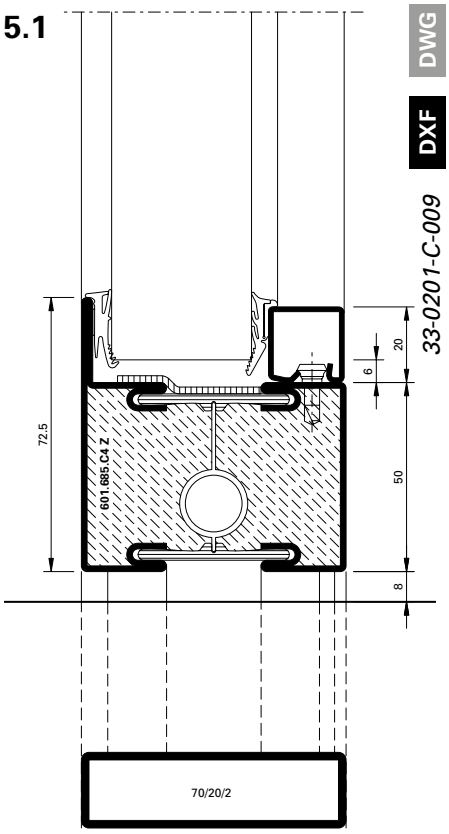
DXF DWG *33-0201-C-007*

5.0



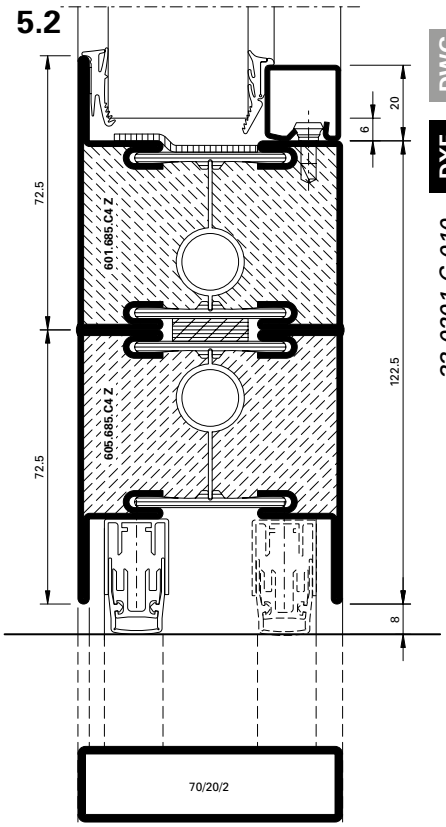
DWG DXF *33-0201-C-008*

5.1



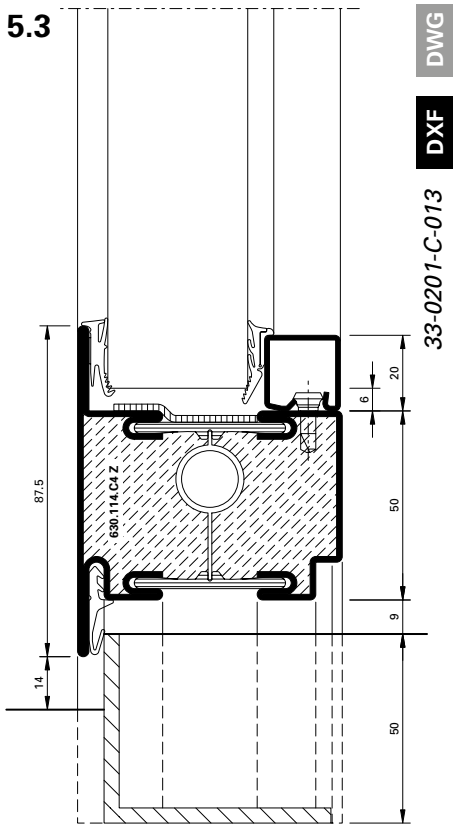
DWG DXF *33-0201-C-009*

5.2



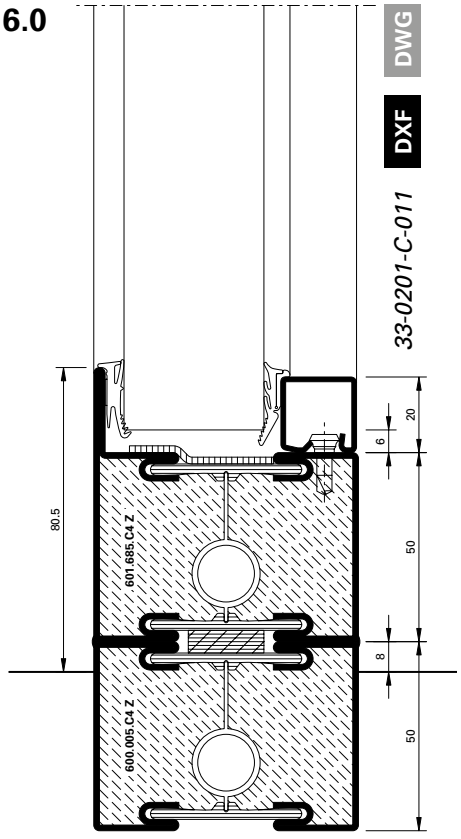
DWG DXF *33-0201-C-010*

5.3



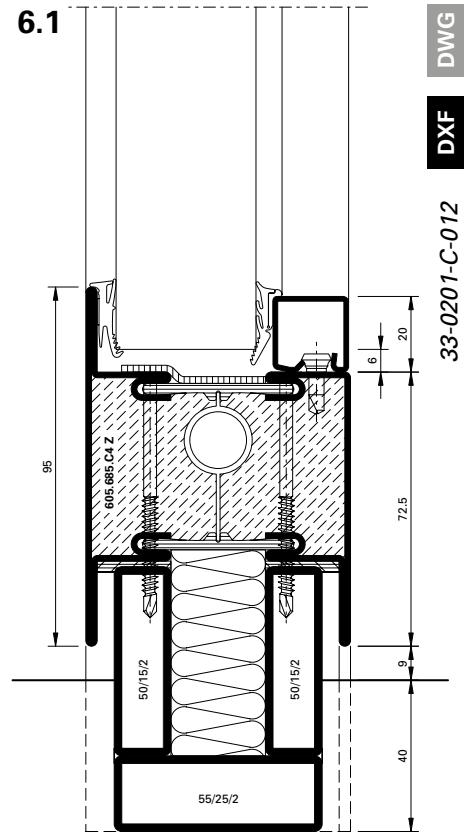
DWG DXF *33-0201-C-013*

6.0

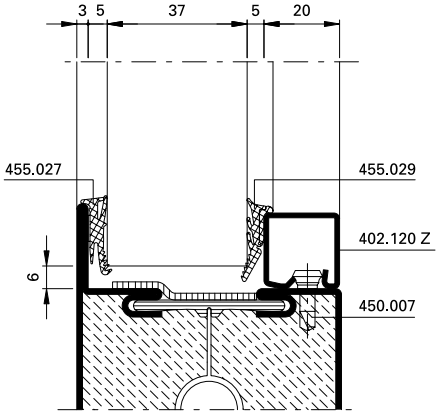


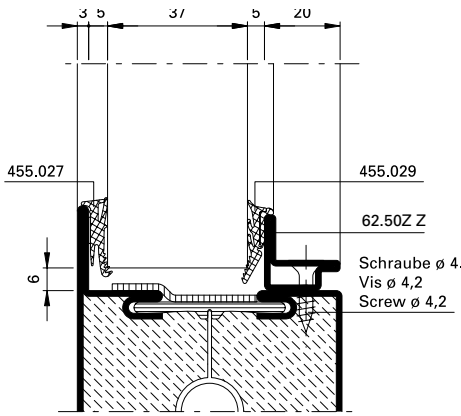
DWG DXF *33-0201-C-011*

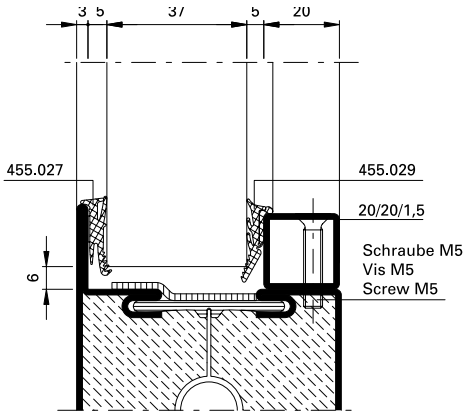
6.1

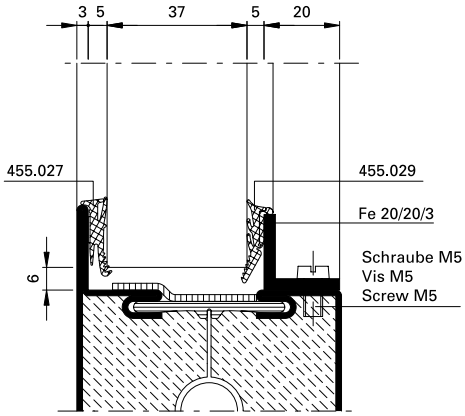


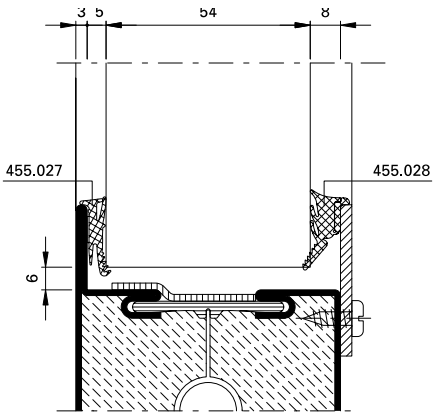
DWG DXF *33-0201-C-012*

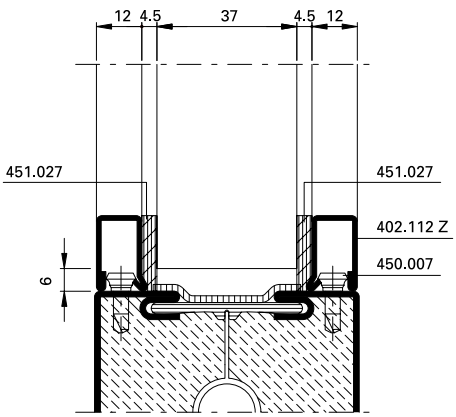




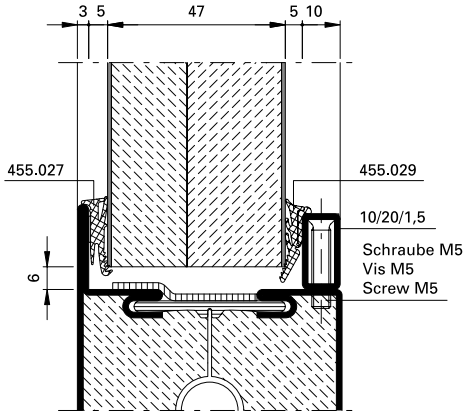






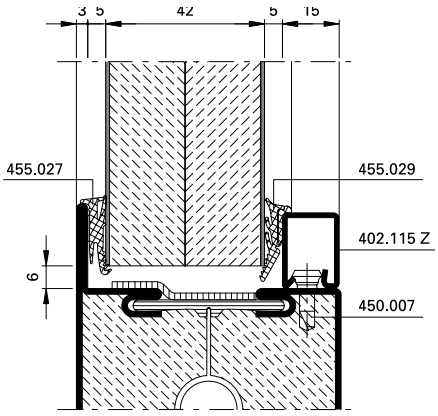


Promatect H
Tür oder Festverglasung
Porte ou vitrage fixe
Door or fixed glazing



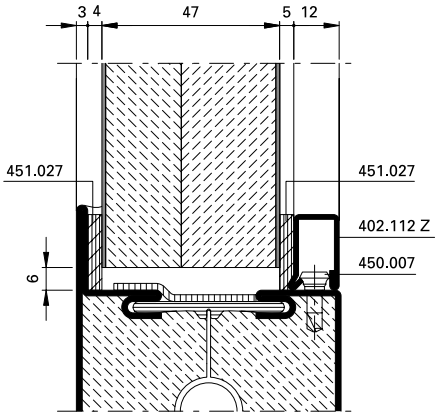
Bedingt durch verschiedene Toleranzen (Profile, Glasleisten, Anordnung Befestigungsknöpfe, Glasdichtungen resp. Papierfaserbänder und Glaselemente) empfehlen wir, die Wahl der Papierfaserbänder resp. Glasdichtungen vorgängig an einem Element zu prüfen.

Promatect H
Tür oder Festverglasung
Porte ou vitrage fixe
Door or fixed glazing

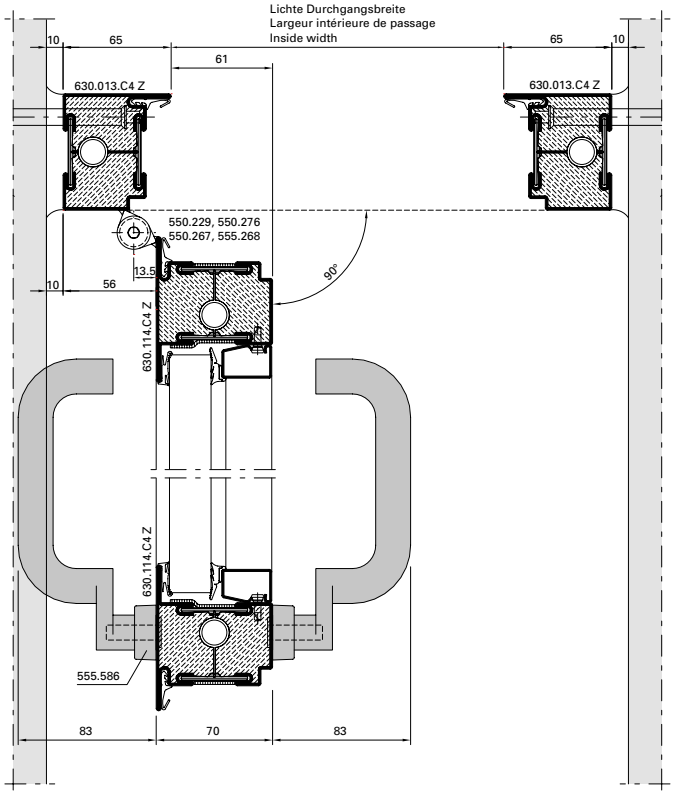


A cause des différentes tolérances (profilés, parcloses, disposition boutons de fixation, joints de vitrage resp. bande de papier et éléments vitrés) nous recommandons d'effectuer un essai préalable avec la bande de fibre de papier resp. joints de vitrage choisie sur un élément.

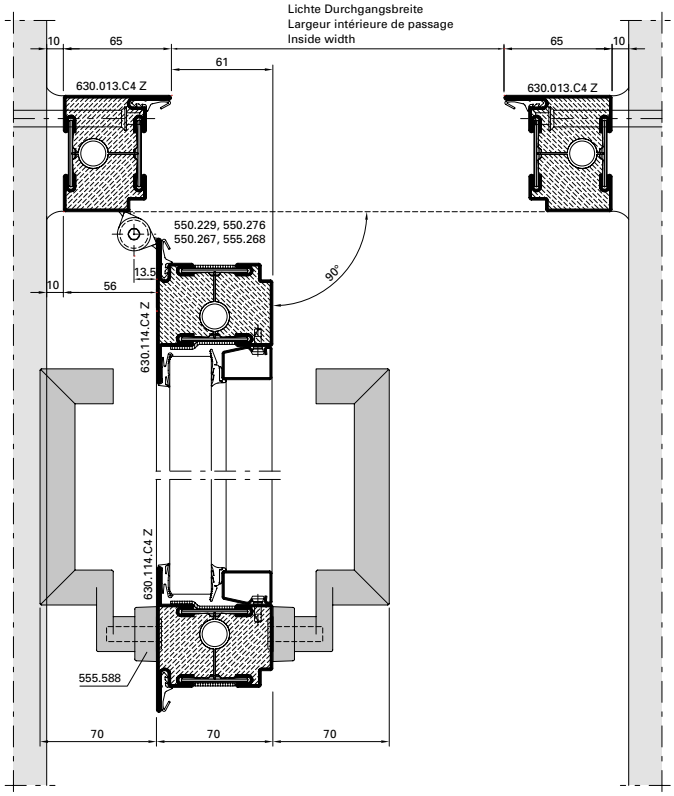
Promatect H
Tür oder Festverglasung
Porte ou vitrage fixe
Door or fixed glazing



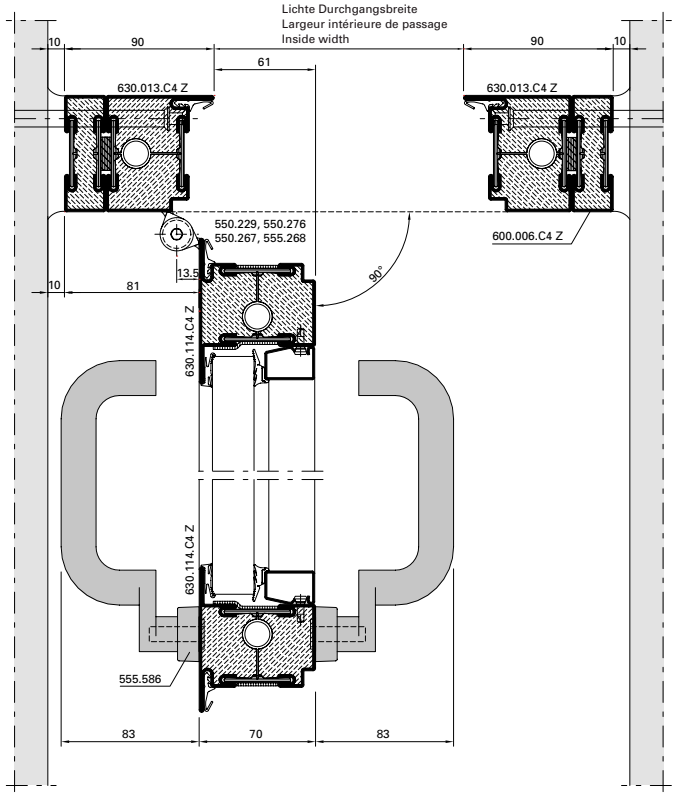
Owing to variations in the tolerances (profiled sections, glazing beads, layout of bead studs, glazing weatherstrips, paper fibre strips and glazing) it is advisible to check your choice of paper fibre strips resp. glazing weatherstrips on an infill panel beforehand.



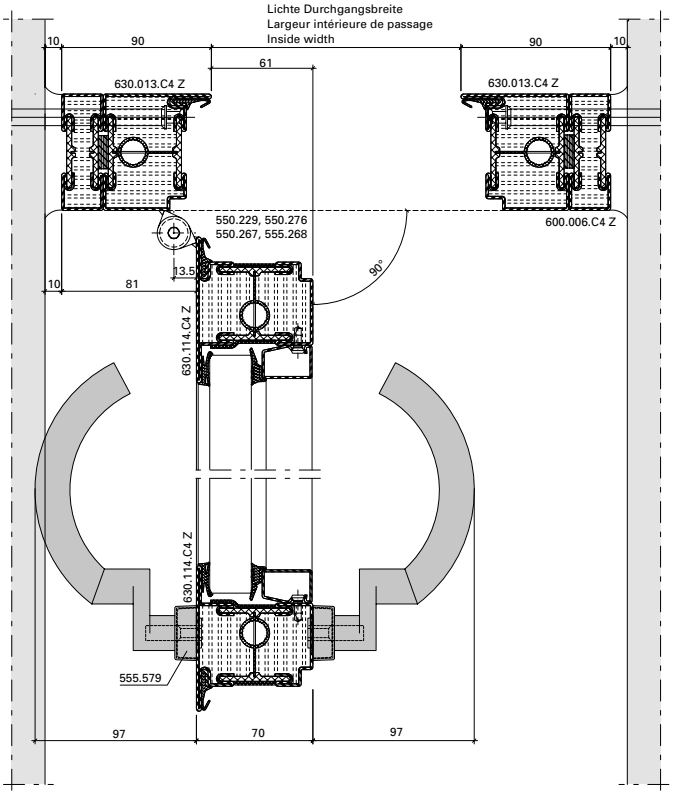
DXF **DWG** *33-0101-E-003*



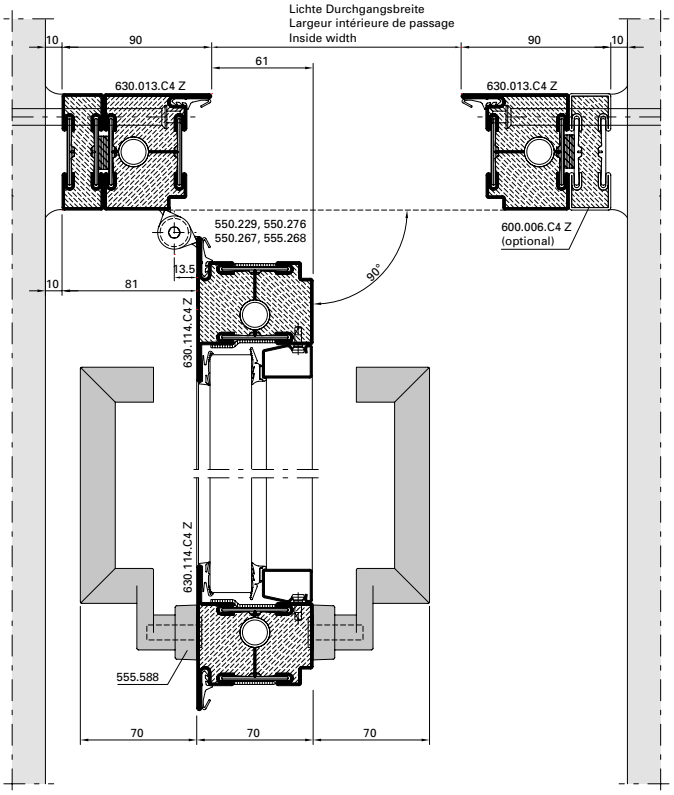
DXF **DWG** *33-0101-E-004*



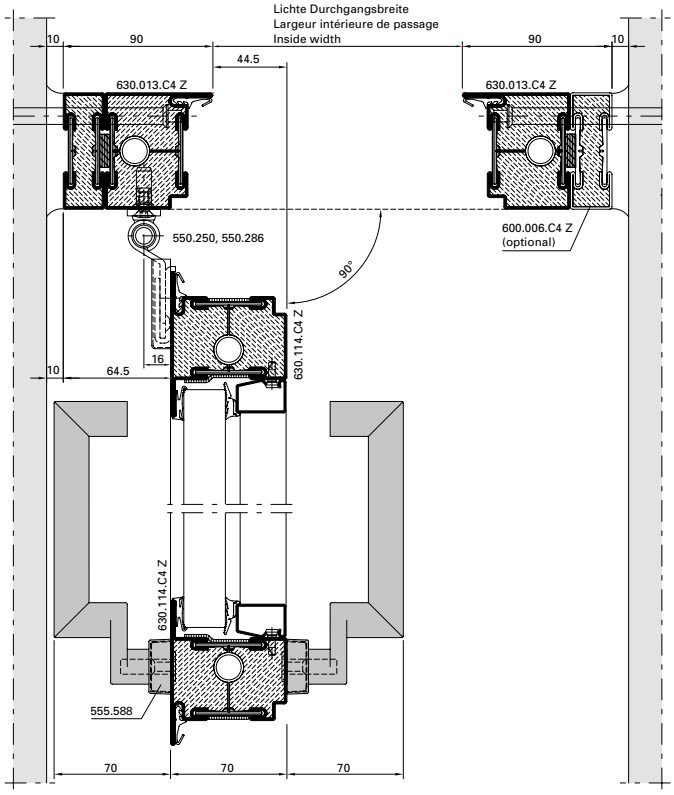
DXF **DWG** *33-0101-E-005*



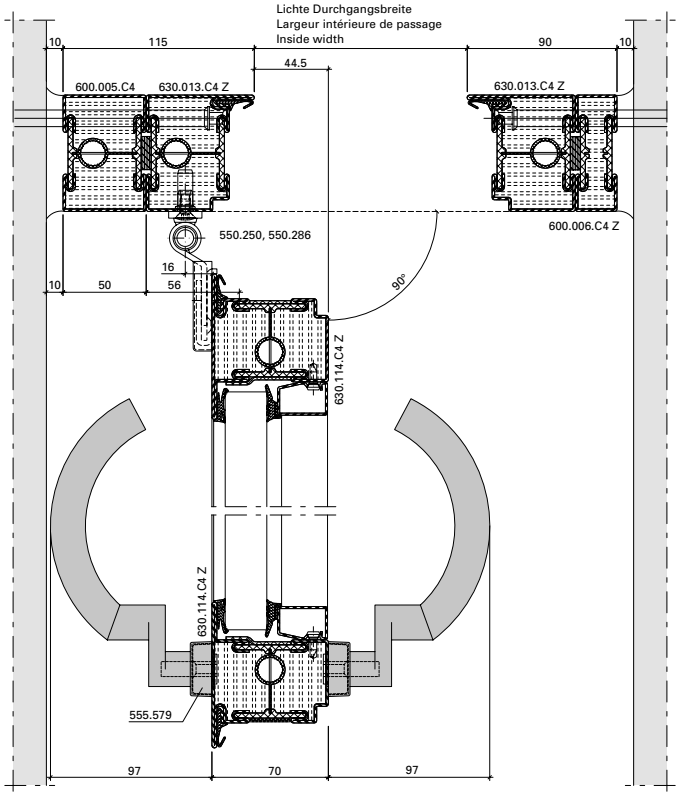
DXF **DWG** *33-0101-E-006*



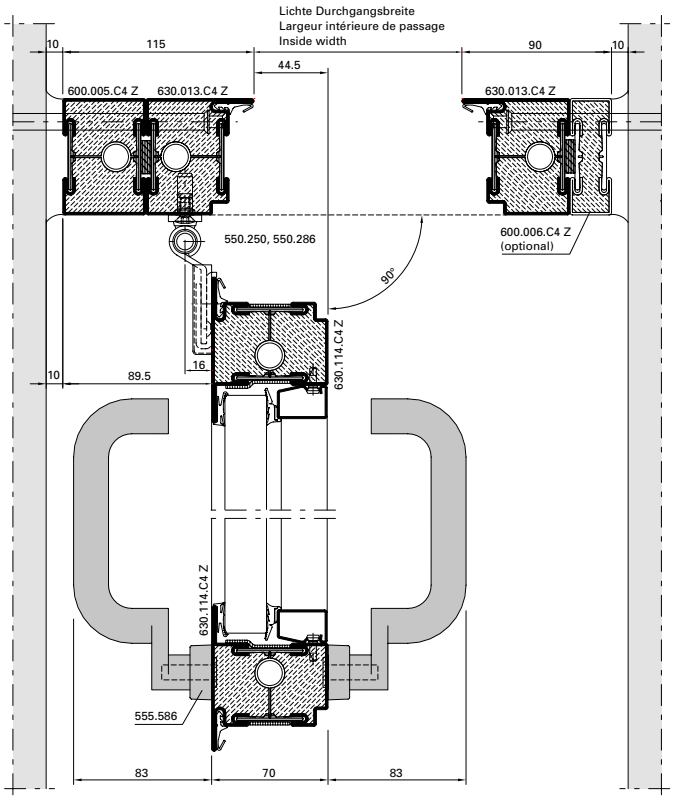
DXF **DWG** *33-0101-E-007*



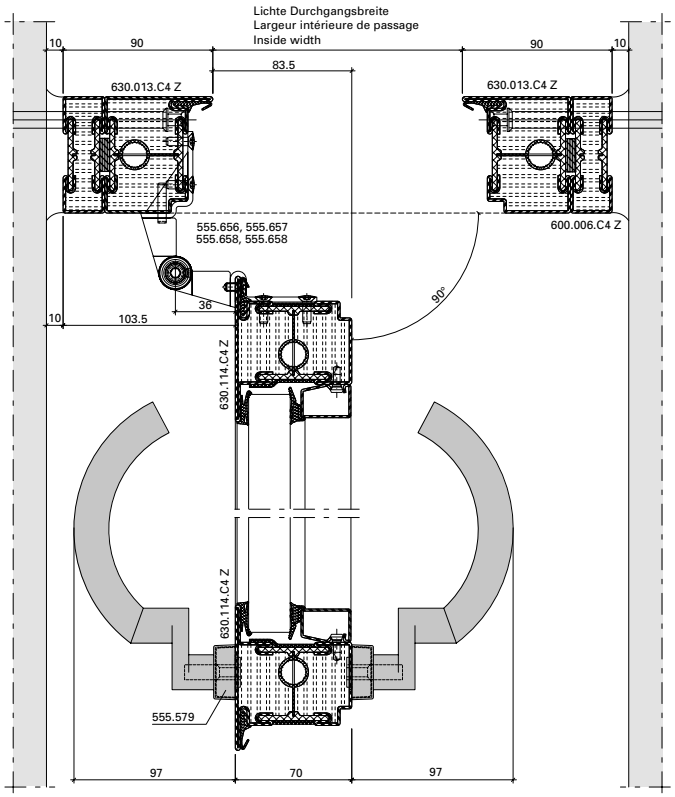
DXF **DWG** *33-0101-E-008*



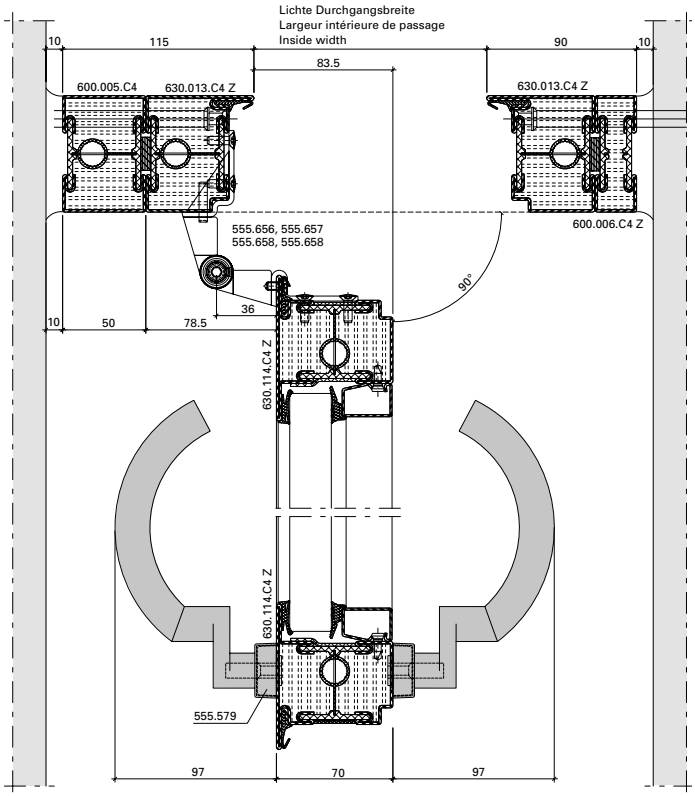
DXF **DWG** *33-0101-E-009*



DXF **DWG** *33-0101-E-010*

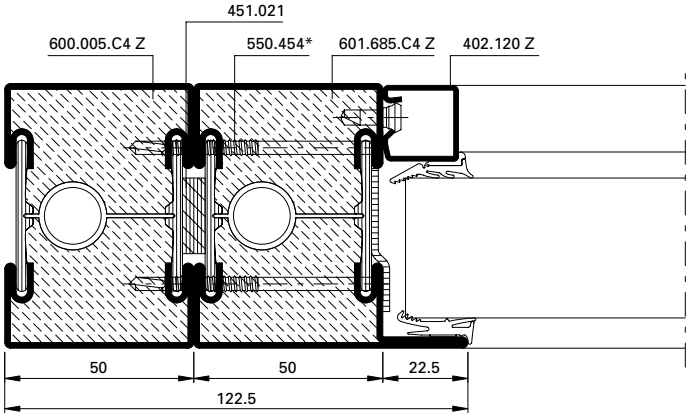


DXF DWG *33-0101-E-022*



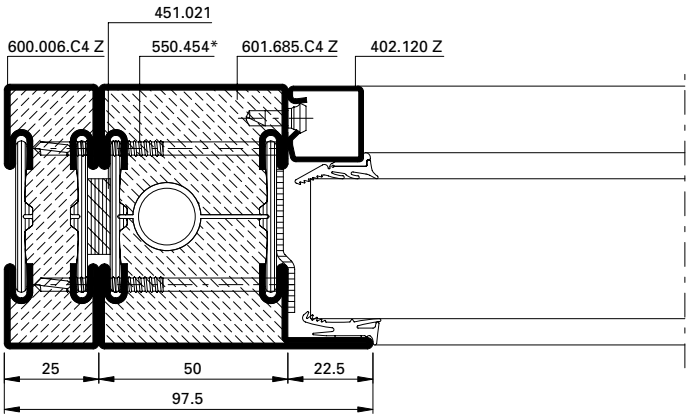
DXF DWG *33-0101-E-021*

Detail Rahmen-Verbreiterung



DXF DWG *33-0201-K-001*

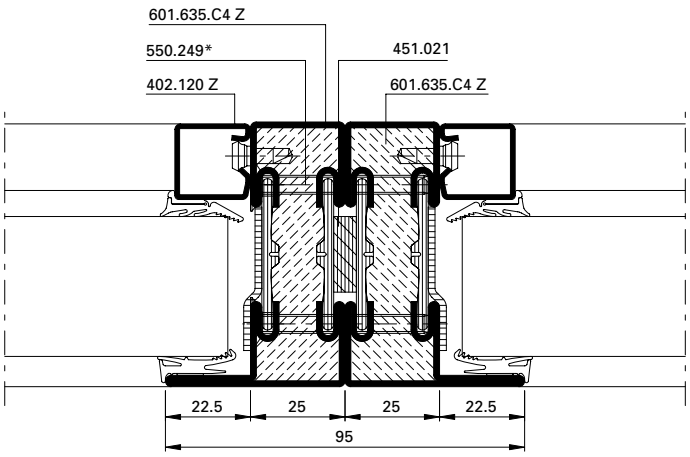
Détail élargissement du cadre



DXF DWG *33-0201-K-002*

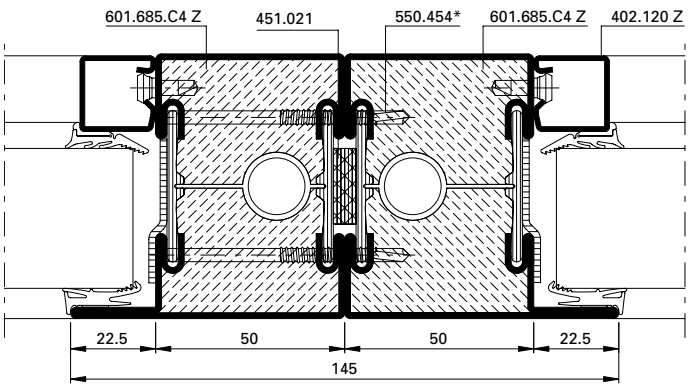
Detail enlargement of frame

Detail Elementstoss
Pfosten-Verbreiterung



DXF DWG *33-0201-K-003*

Détail jonction des éléments
élargissement du montant



DXF DWG *33-0201-K-004*

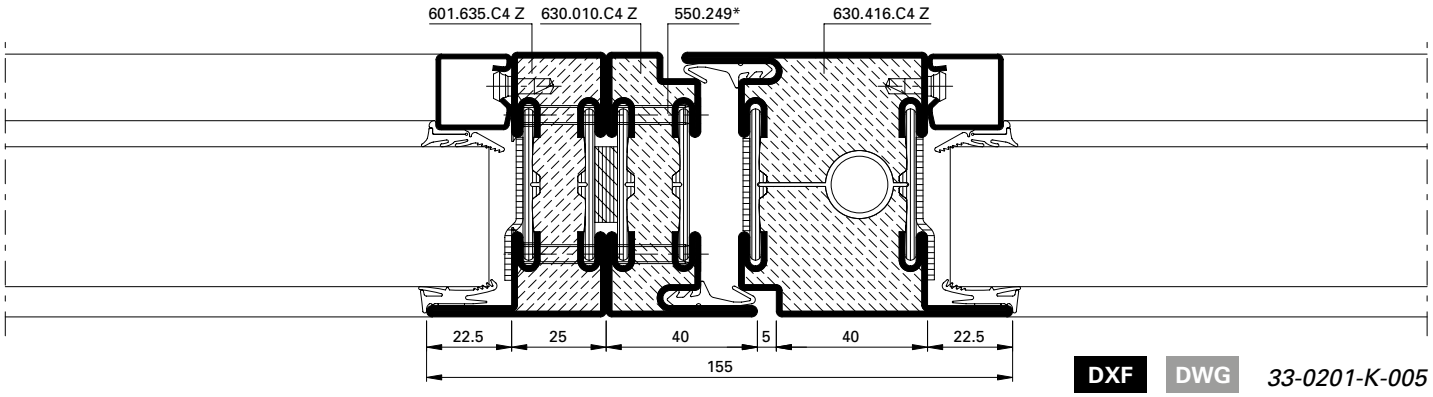
Junction detail
enlargement of mullion

* Schrauben-Abstand ≤ 500 mm

* Distance des vis ≤ 500 mm

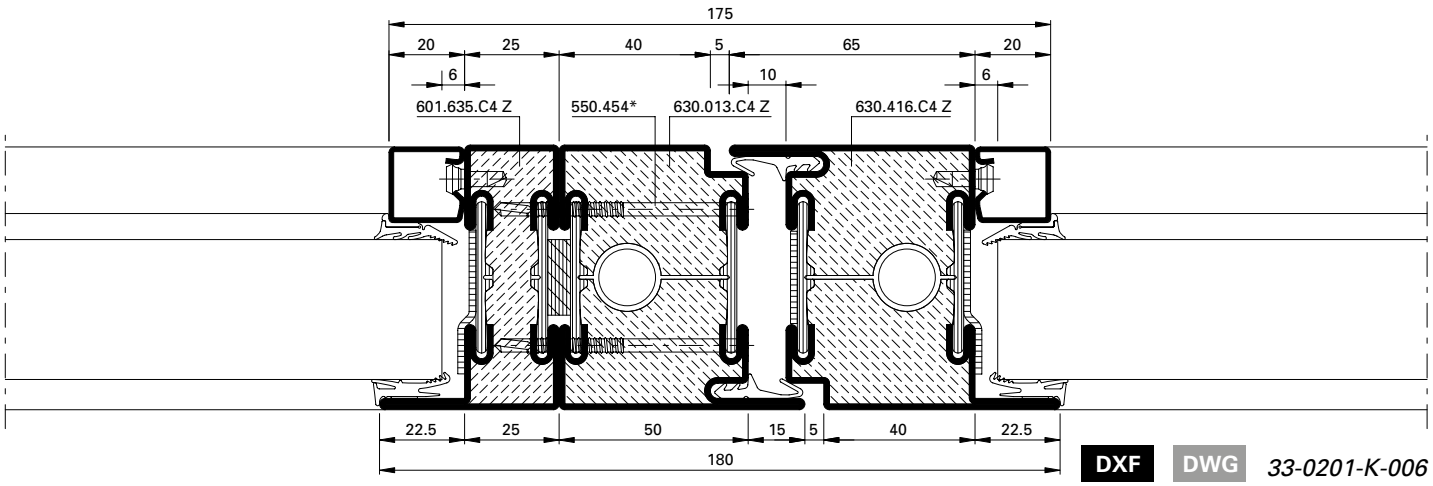
* Screw distance ≤ 500 mm

Elementstoss Türe - Festverglasung **Détail jonction porte - vitrage fixe** **Junction detail door - fixed glazing**



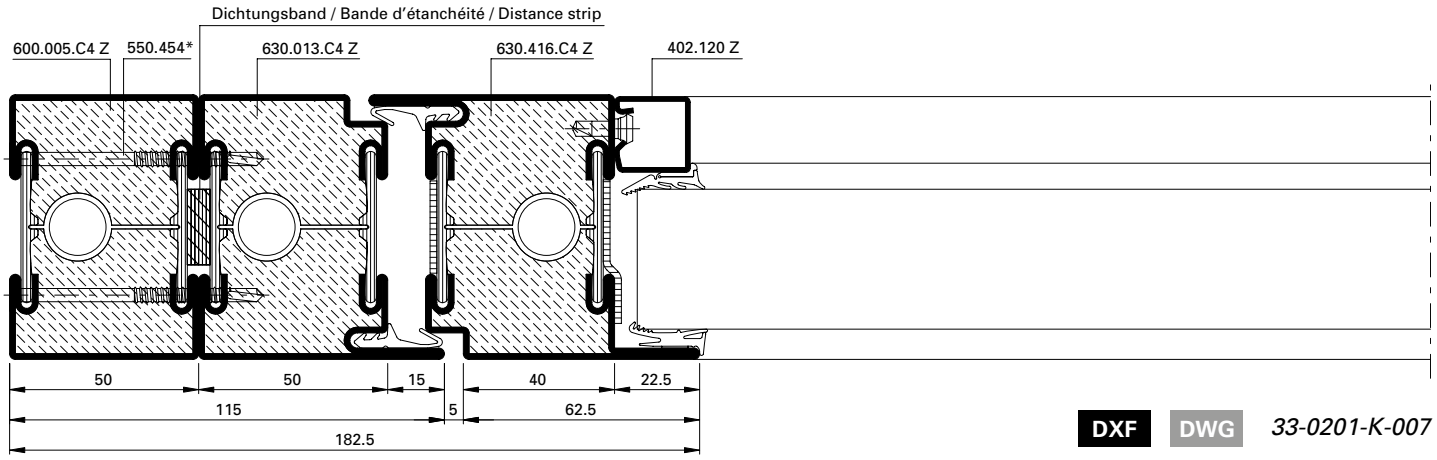
DXF DWG *33-0201-K-005*

Elementstoss Türe - Festverglasung **Détail jonction porte - vitrage fixe** **Junction detail door - fixed glazing**



DXF DWG *33-0201-K-006*

Detail Türrahmen-Verbreiterung **Détail élargissement du cadre de la porte** **Detail of enlargement of door frame**



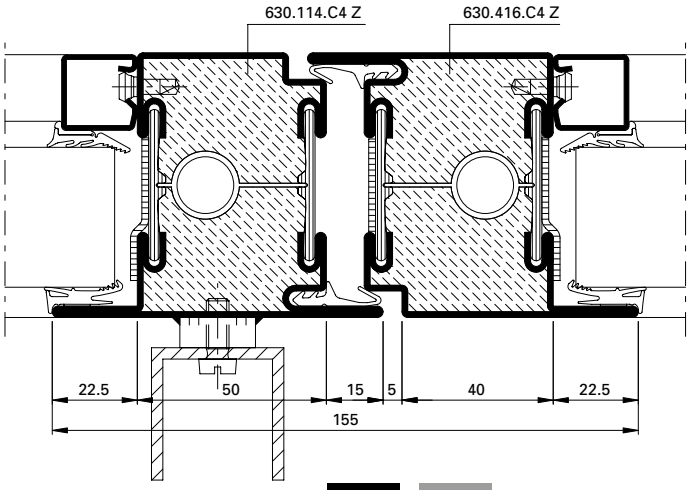
DXF DWG *33-0201-K-007*

* Schrauben-Abstand ≤ 500 mm

* Distance des vis ≤ 500 mm

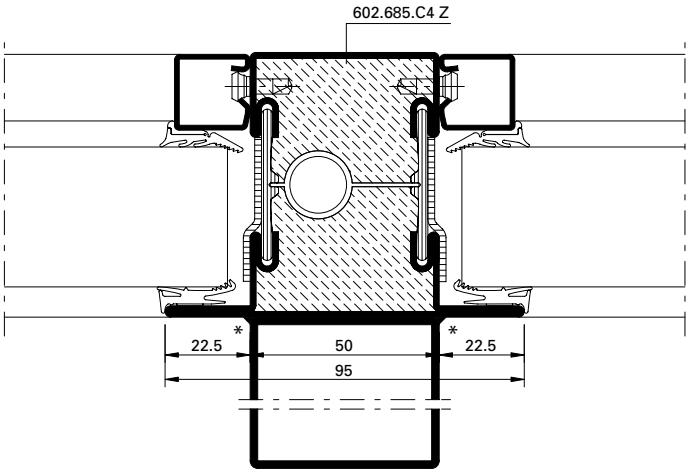
* Screw distance ≤ 500 mm

Statische Verstärkungen

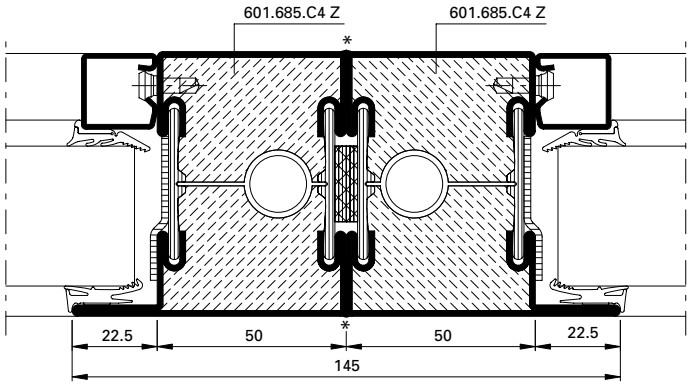


DXF DWG *33-0201-K-008*

Renforts statiques

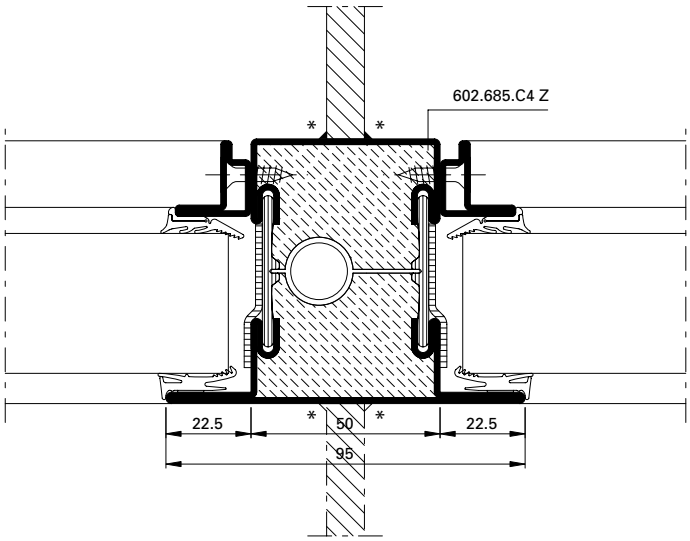


DXF DWG *33-0201-K-009*



DXF DWG *33-0201-K-010*

Static reinforcements

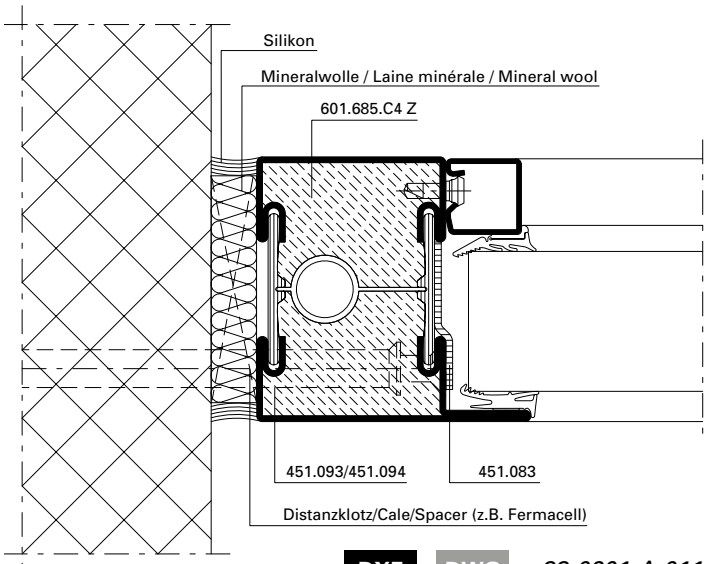


DXF DWG *33-0201-K-011*

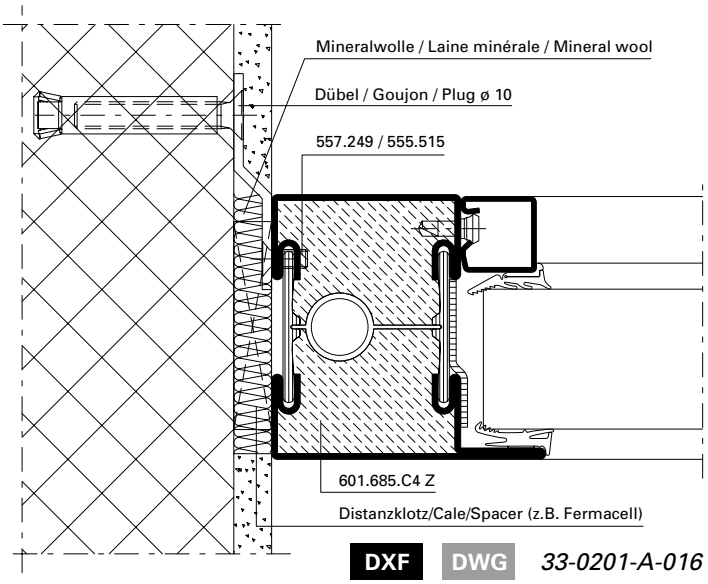
* wahlweise örtliche Schweissung 20 mm alle 300 mm oder durchgehende Laserschweissung

* Au choix, soudage local à la place 20 mm tous les 300 mm ou soudage au laser en continu

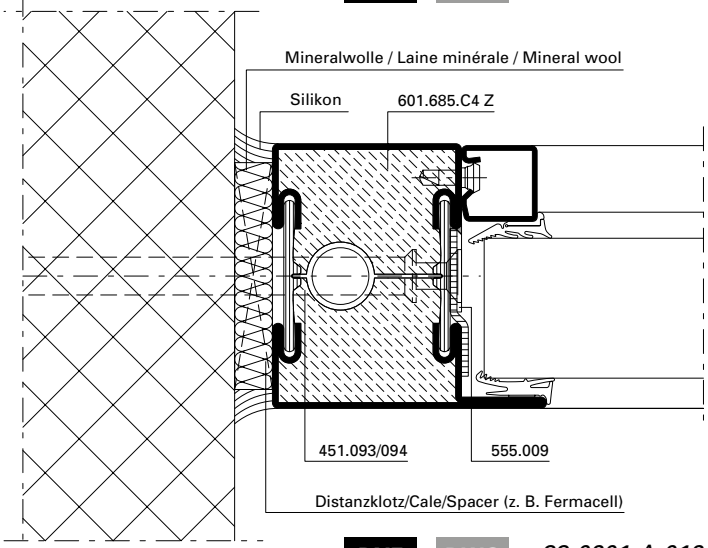
* Optionally, local weld 20 mm all 300 mm or continuous laser welding



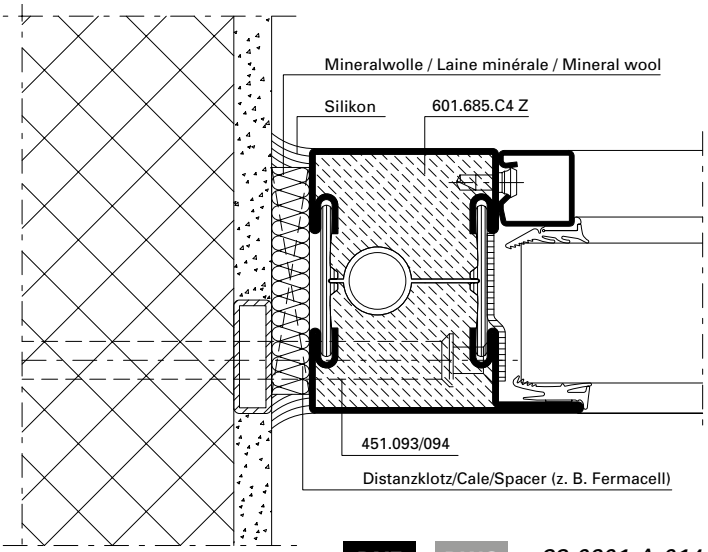
DXF **DWG** *33-0201-A-011*



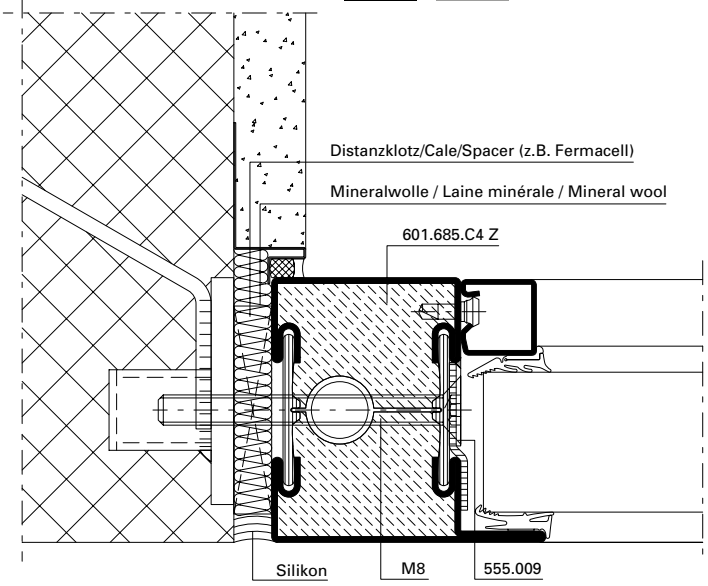
DXF **DWG** *33-0201-A-016*



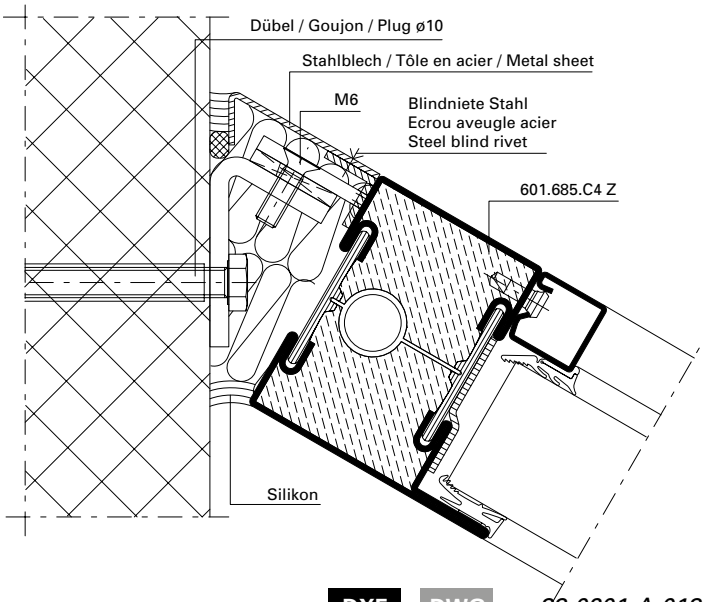
DXF **DWG** *33-0201-A-012*



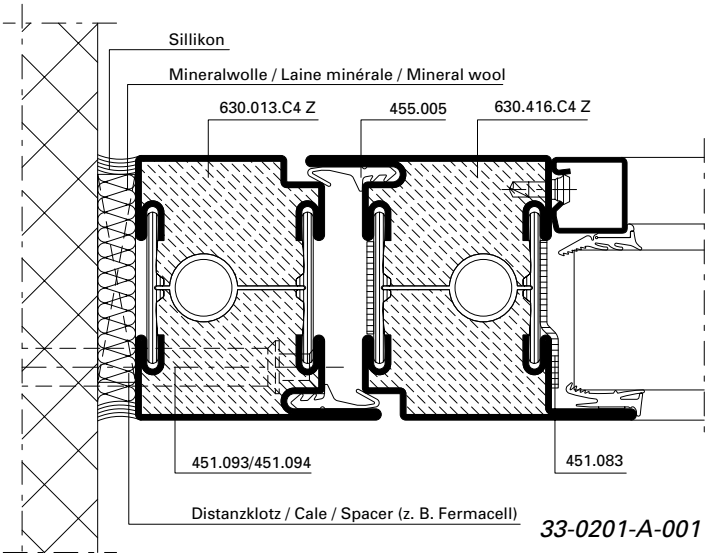
DXF **DWG** *33-0201-A-014*



DXF **DWG** *33-0201-A-015*

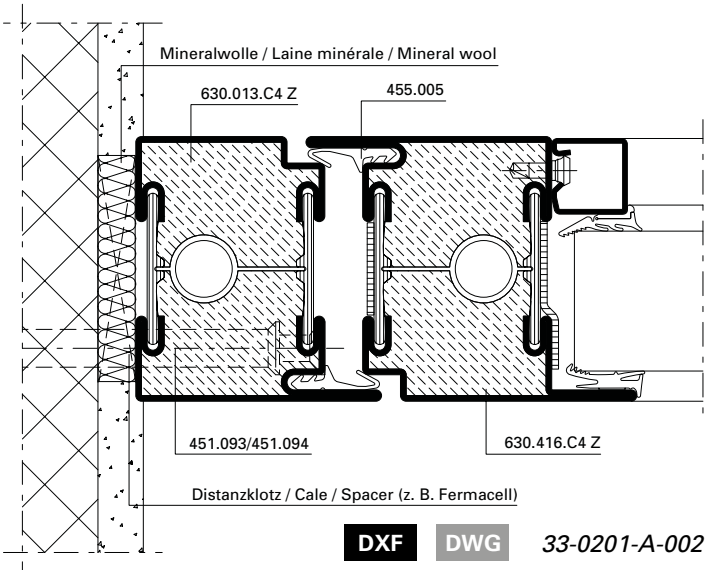


DXF **DWG** *33-0201-A-013*

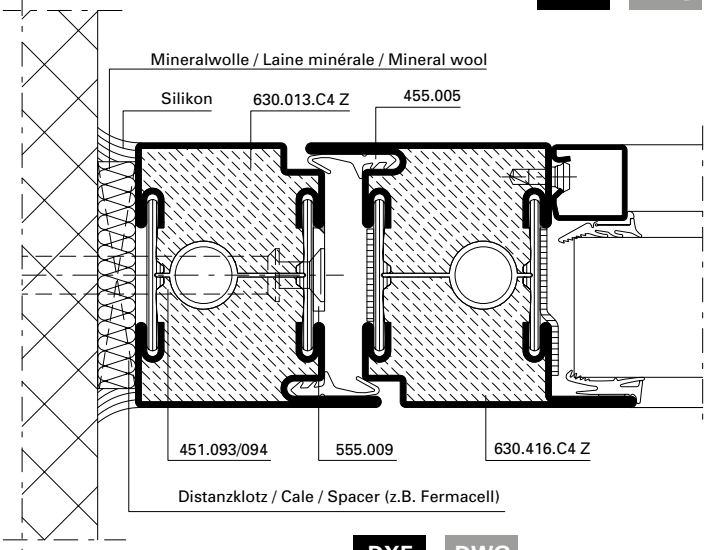


33-0201-A-001

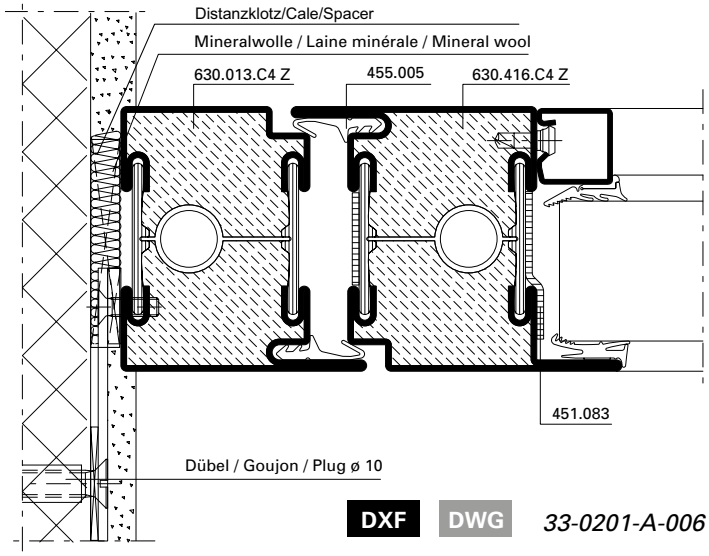
DXF **DWG**



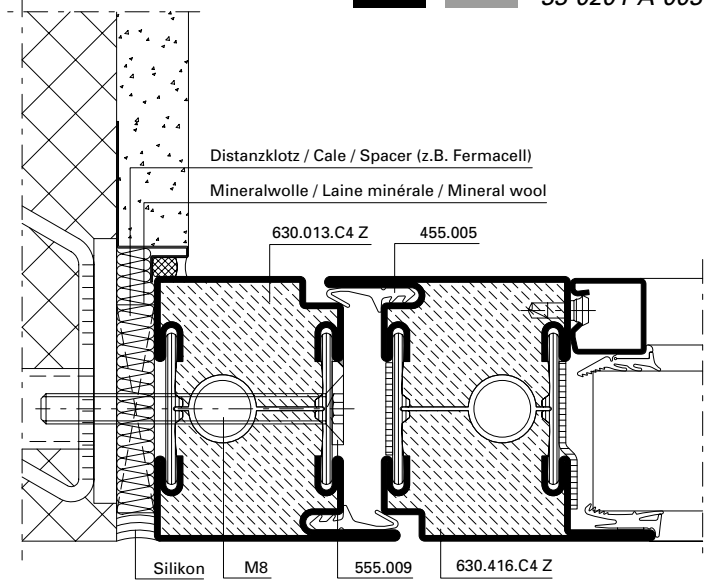
DXF **DWG** *33-0201-A-002*



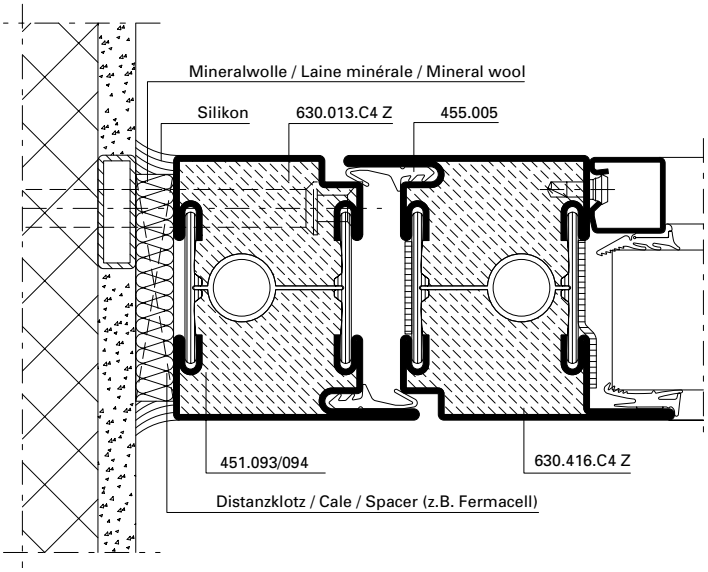
DXF **DWG** *33-0201-A-003*



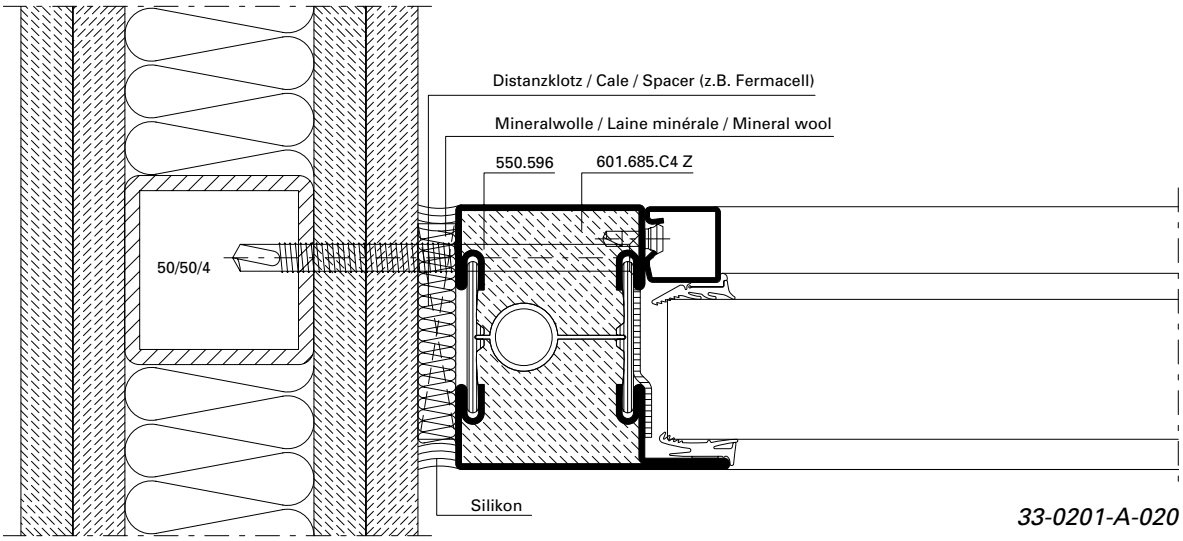
DXF **DWG** *33-0201-A-006*



DXF **DWG** *33-0201-A-005*

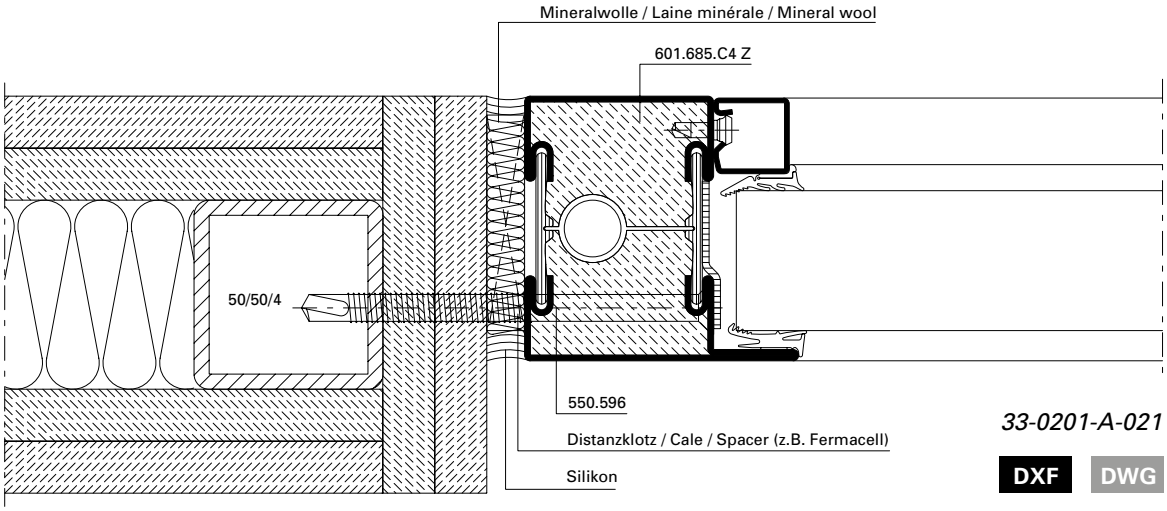


DXF **DWG** *33-0201-A-004*



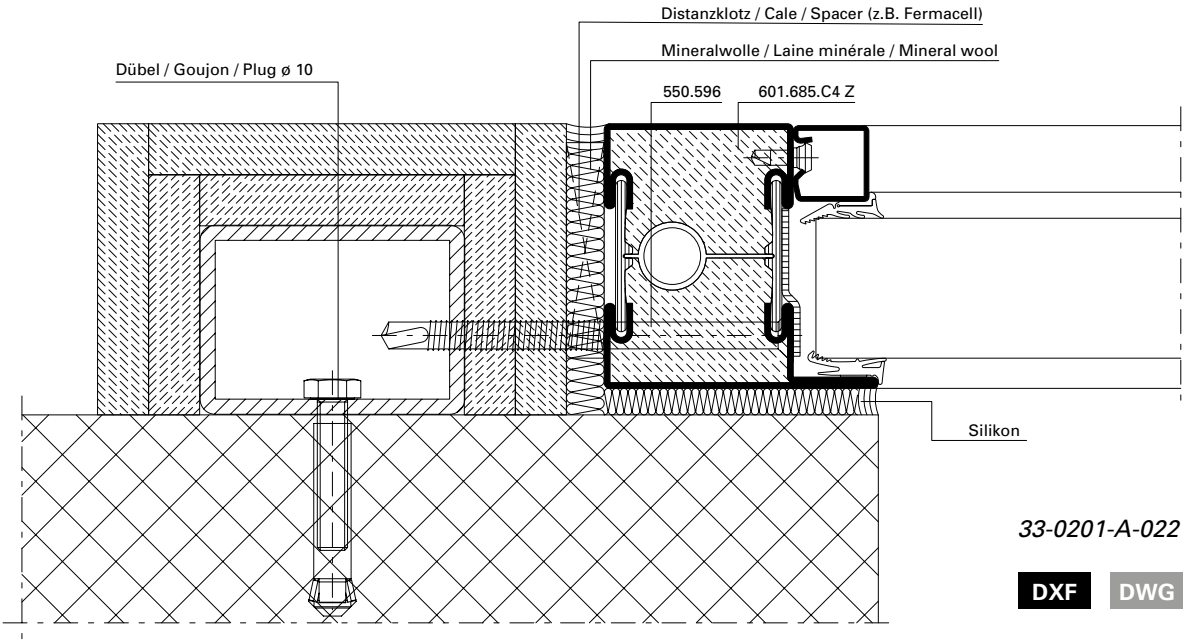
33-0201-A-020

DXF DWG



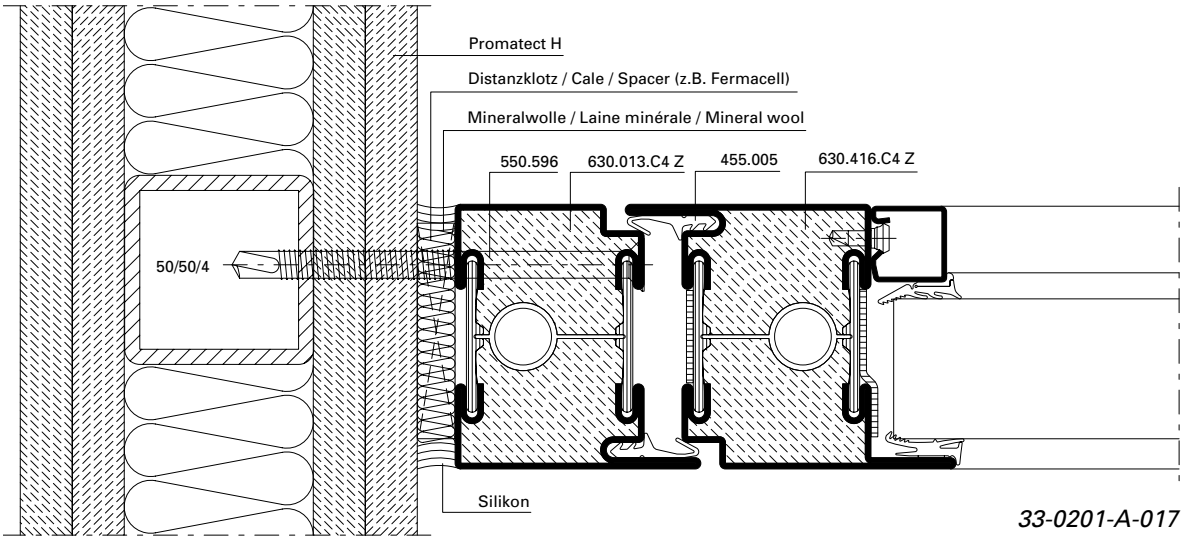
33-0201-A-021

DXF DWG



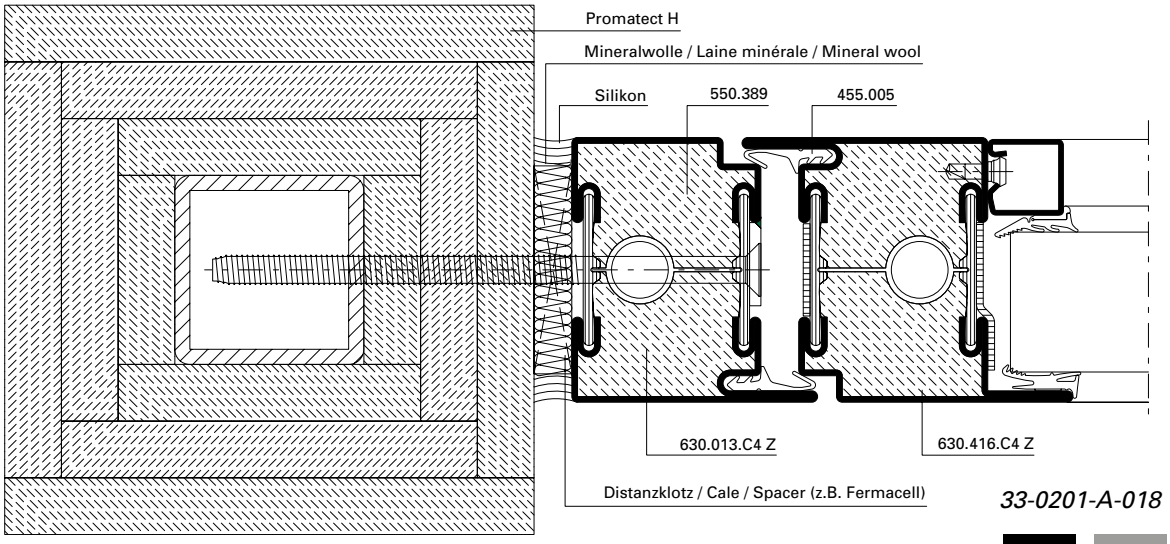
33-0201-A-022

DXF DWG



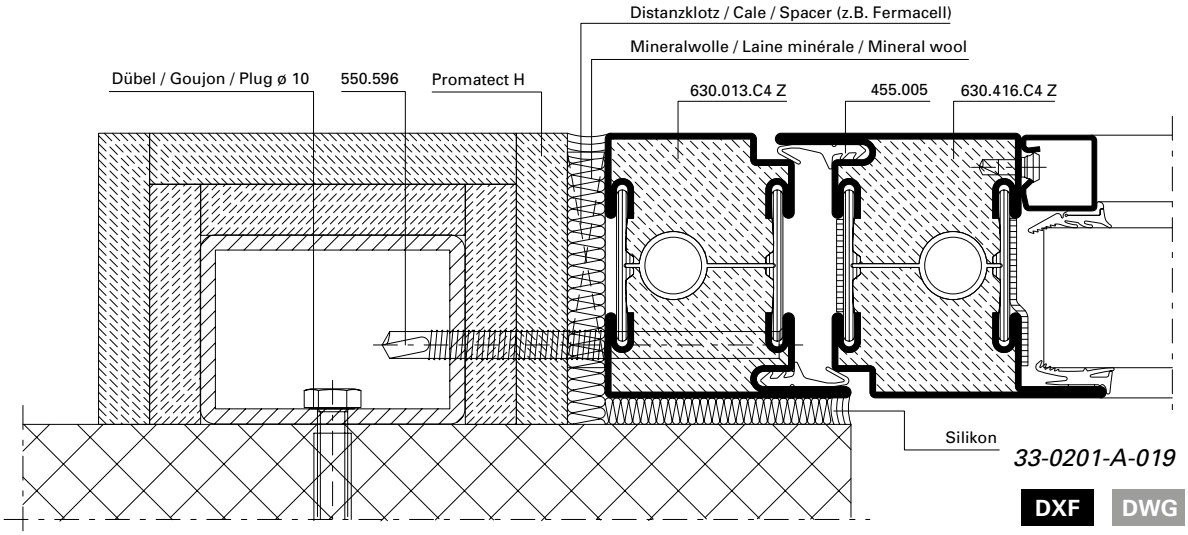
33-0201-A-017

DXF **DWG**



33-0201-A-018

DXF **DWG**

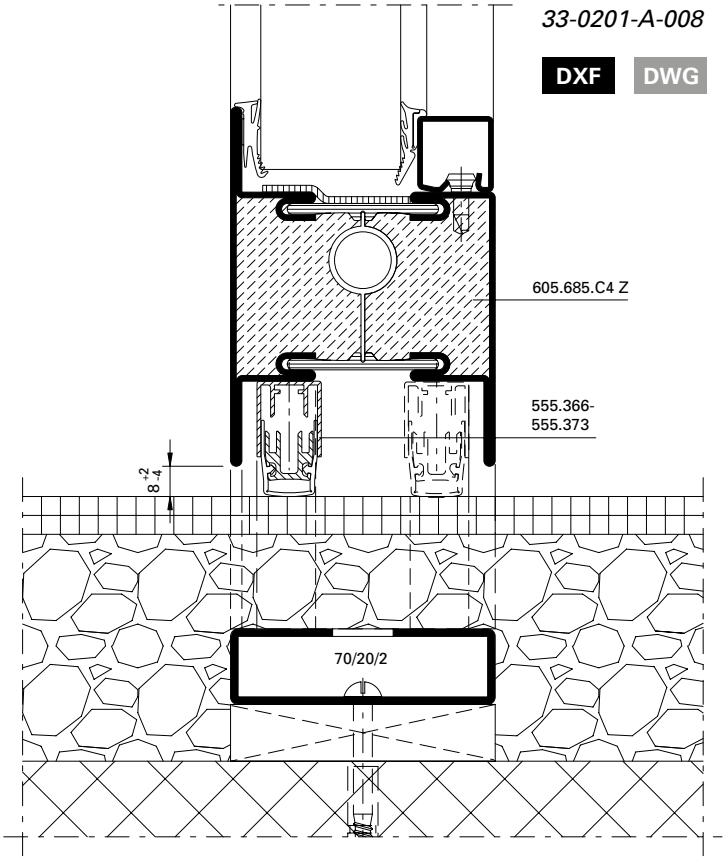


33-0201-A-019

DXF **DWG**

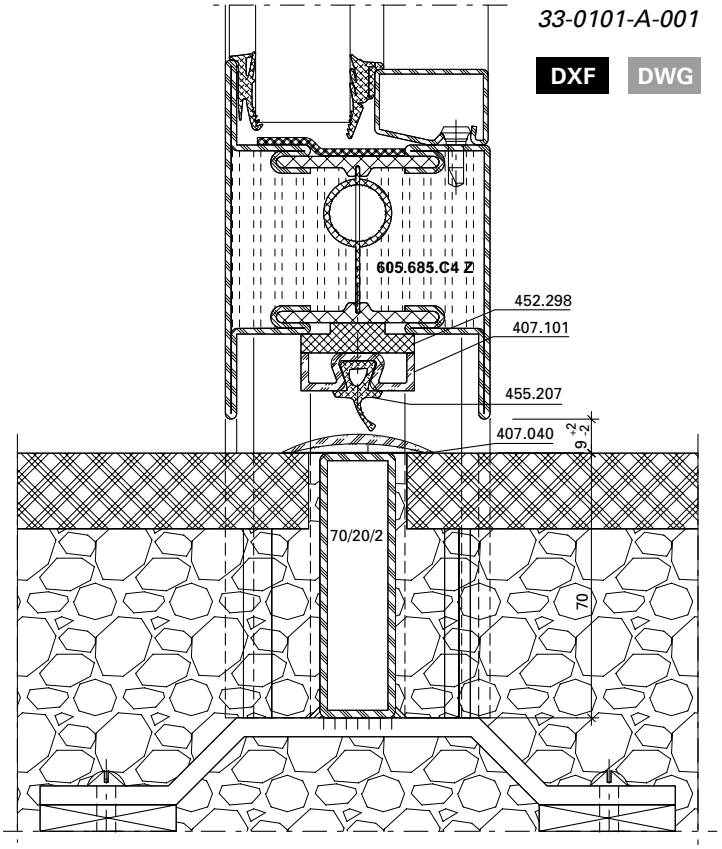
33-0201-A-008

DXF DWG



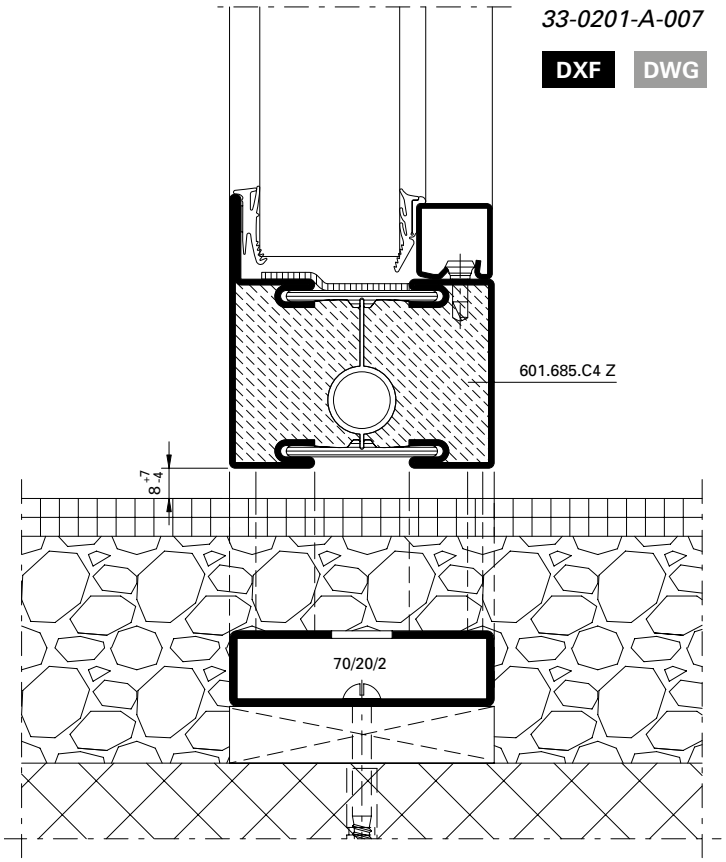
33-0101-A-001

DXF DWG



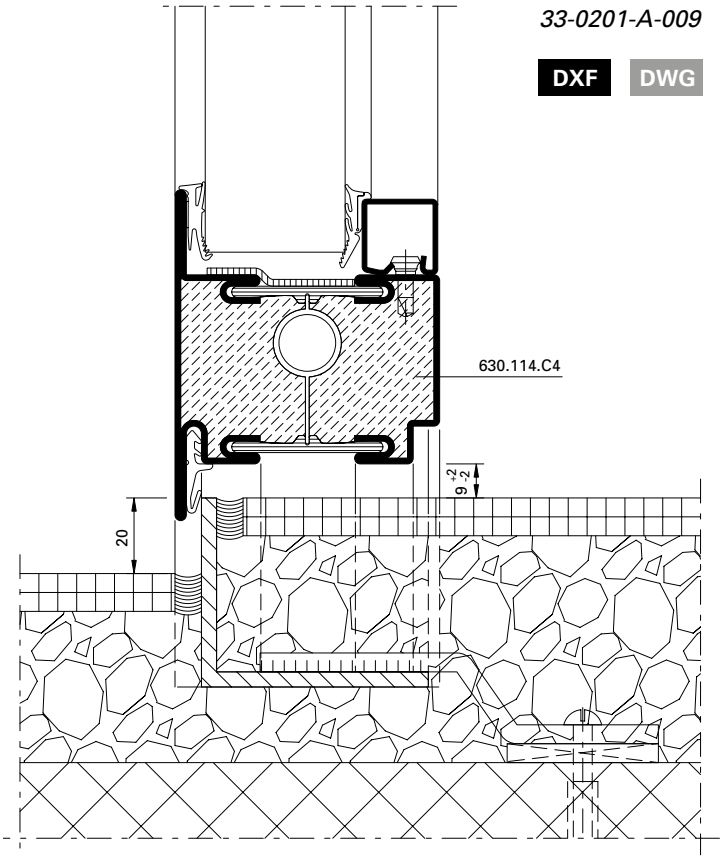
33-0201-A-007

DXF DWG



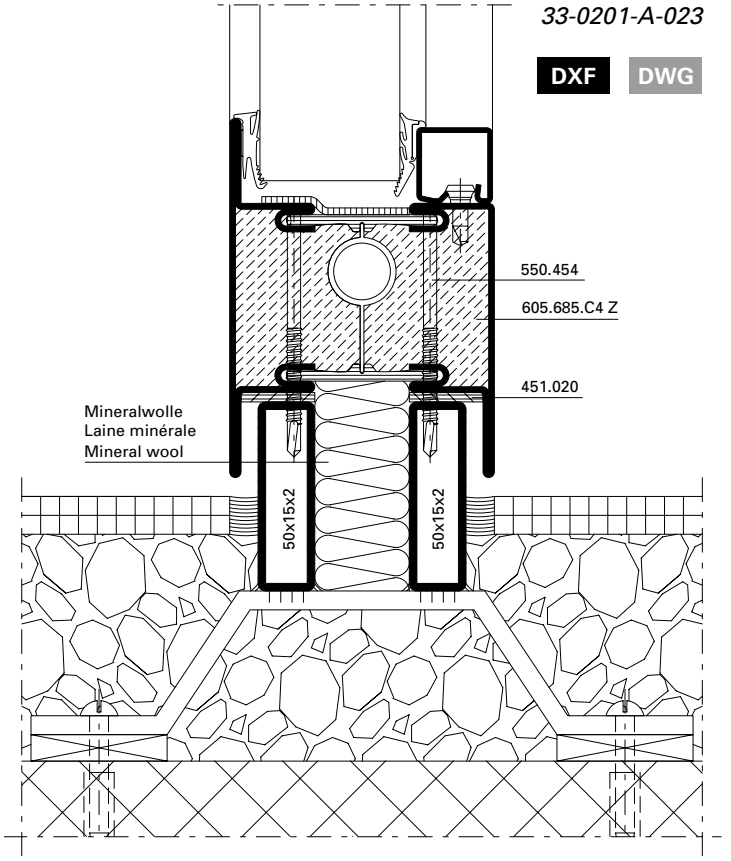
33-0201-A-009

DXF DWG



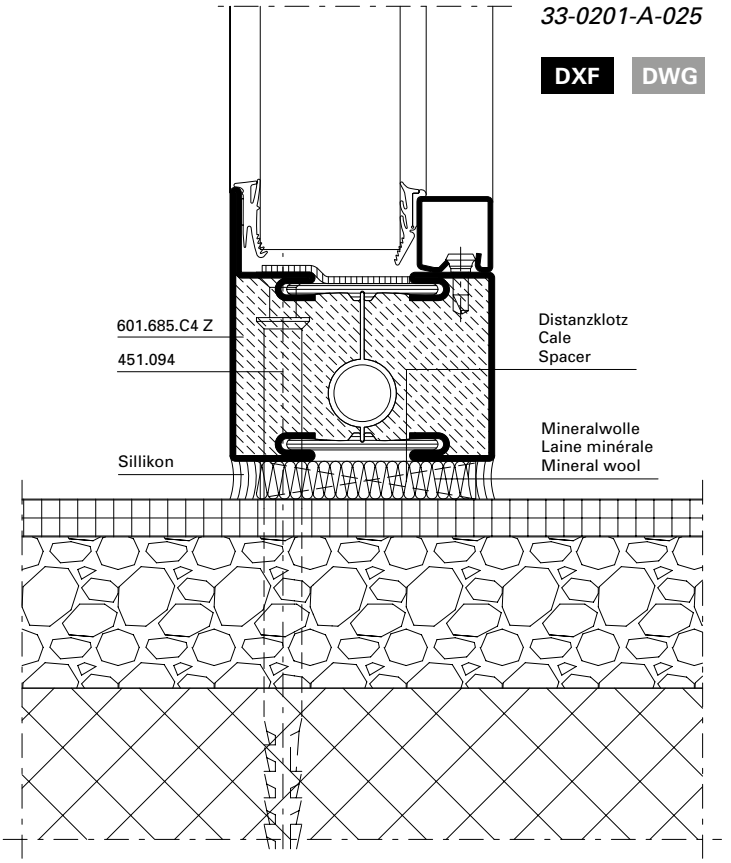
33-0201-A-023

DXF DWG



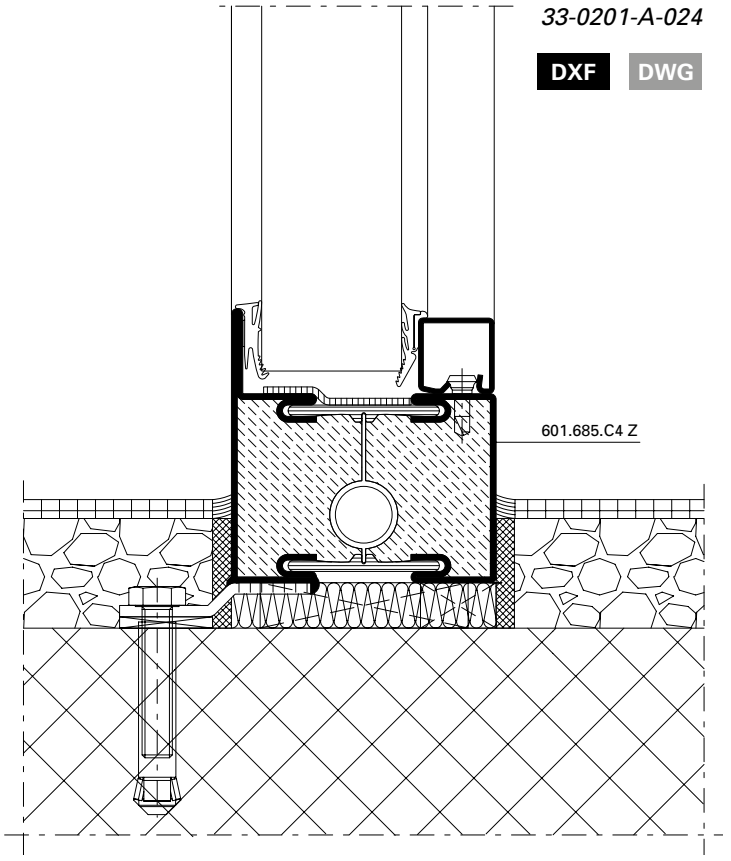
33-0201-A-025

DXF DWG



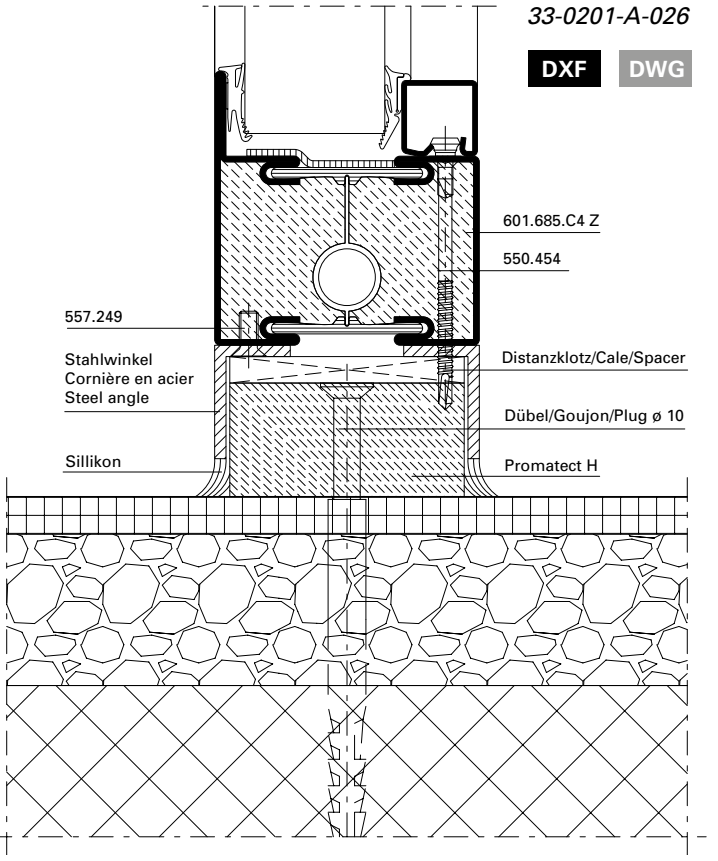
33-0201-A-024

DXF DWG



33-0201-A-026

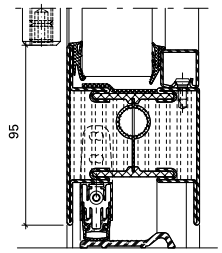
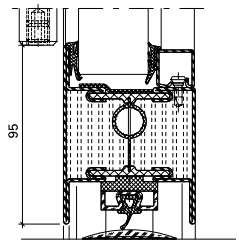
DXF DWG



Einflügelige Türen, auswärts öffnend, Flügelhöhe ≤ 2200 mm

Porte à un vantail, ouvrant vers l'extérieur, hauteur du vantail ≤ 2200 mm

Single leaf door, outward opening, leaf height ≤ 2200 mm

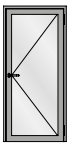
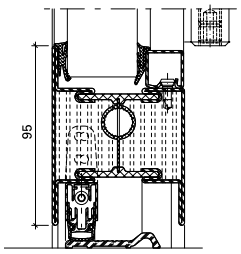
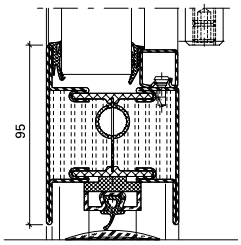
Variante	Beschlag Ferrure Fitting	EN 12207	EN 12208	EN 12210
Senkdichtung mit Türschwellenprofil Joint seuil avec profilé pour seuil de porte Drop seal with door threshold profile 	❶	2	1A	C4 / C3*
	❷	2	2A	C4 / C3*
	❸	3	2A	C5 / C4*
Auflaufdichtung Joint de contact Ramp seal 	❶	2	0	C4 / C3*
	❷	2	0	C4 / C3*
	❸	2	0	C5 / C4*

* Edelstahl
* Acier Inox
* Stainless steel

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

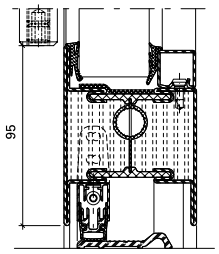
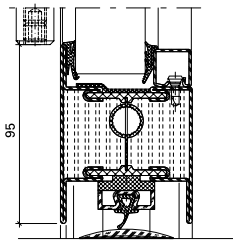
Variante 	Beschlag Ferrure Fitting	 **EN 12207**	 **EN 12208**	 **EN 12210**
Senkdichtung mit Türschwellenprofil Joint seuil avec profilé pour seuil de porte Drop seal with door threshold profile 	❶	2	0	C4 / C3*
	❷	2	0	C4 / C3*
	❸	3	1A	C5 / C4*
Auflaufdichtung Joint de contact Ramp seal 	❶	2	0	C4 / C3*
	❷	2	0	C4 / C3*
	❸	2	0	C5 / C4*

* Edelstahl
* Acier Inox
* Stainless steel

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Variante	Beschlag Ferrure Fitting	 **EN 12207**	 **EN 12208**	 **EN 12210**
Senkdichtung mit Türschwellenprofil Joint seuil avec profilé pour seuil de porte Drop seal with door threshold profile 	❶	1	0	C1
	❷	1	0	C1
	❸	1	0	C2
Auflaufdichtung Joint de contact Ramp seal 	❶	0	0	C1
	❷	0	0	C1
	❸	1	0	C2

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

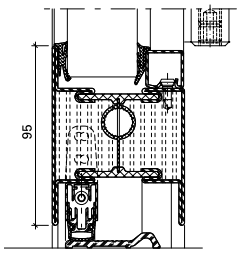
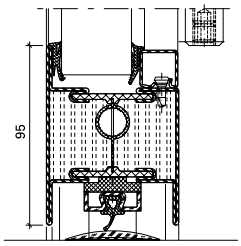
❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Einflügelige Türen, einwärts öffnend, Flügelhöhe ≤ 3000 mm

Porte à un vantail, ouvrant vers l'intérieur, hauteur du vantail ≤ 3000 mm

Single leaf door, inward opening, leaf height ≤ 3000 mm

Variante	Beschlag Ferrure Fitting	EN 12207	EN 12208	EN 12210
Senkdichtung mit Türschwellenprofil Joint seuil avec profilé pour seuil de porte Drop seal with door threshold profile 	❶	1	0	C1
	❷	1	0	C1
	❸	1	0	C2
Auflaufdichtung Joint de contact Ramp seal 	❶	0	0	C1
	❷	0	0	C1
	❸	1	0	C2

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

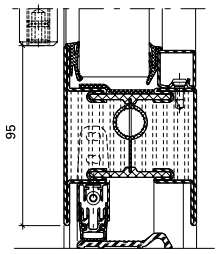
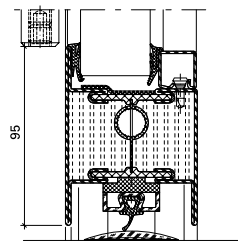
❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Zweiflügelige Türen, auswärts öffnend, Flügelhöhe ≤ 2200 mm

Porte à deux vantaux, ouvrant vers l'extérieur, hauteur du vantail ≤ 2200 mm

Double leaf door, outward opening, leaf height ≤ 2200 mm

Variante	Beschlag Ferrure Fitting	EN 12207	EN 12208	EN 12210
Senkdichtung mit Türschwellenprofil Joint seuil avec profilé pour seuil de porte Drop seal with door threshold profile 	❶	2	1A / 0*	C2
	❷	2	2A / 0*	C2
	❸	2	2A / 1A*	C3
Auflaufdichtung Joint de contact Ramp seal 	❶	2	0	C2
	❷	2	0	C2
	❸	2	0	C3

* Edelstahl
* Acier Inox
* Stainless steel

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

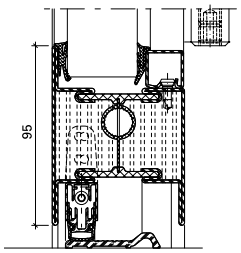
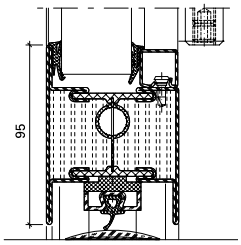
❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Zweiflügelige Türen, einwärts öffnend, Flügelhöhe ≤ 2200 mm

Porte à deux vantaux, ouvrant vers l'intérieur, hauteur du vantail ≤ 2200 mm

Double leaf door, inward opening, leaf height ≤ 2200 mm

Variante	Beschlag Ferrure Fitting	EN 12207	EN 12208	EN 12210
Senkdichtung mit Türschwellenprofil Joint seuil avec profilé pour seuil de porte Drop seal with door threshold profile 	❶	2	0	C2
	❷	2	0	C2
	❸	2	0	C3
Auflaufdichtung Joint de contact Ramp seal 	❶	2	0	C2
	❷	2	0	C2
	❸	2	0	C3

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

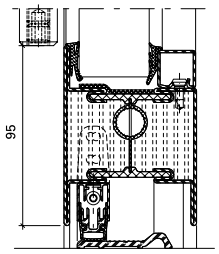
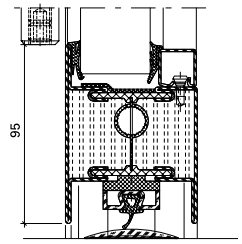
❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Zweiflügelige Türen, auswärts öffnend, Flügelhöhe ≤ 3000 mm

Porte à deux vantaux, ouvrant vers l'extérieur, hauteur du vantail ≤ 3000 mm

Double leaf door, outward opening, leaf height ≤ 3000 mm

Variante	Beschlag Ferrure Fitting	EN 12207	EN 12208	EN 12210
Senkdichtung mit Türschwellenprofil Joint seuil avec profilé pour seuil de porte Drop seal with door threshold profile 	❶	0	0	C1
	❷	0	0	C1
	❸	1	0 / 1A*	C2
Auflaufdichtung Joint de contact Ramp seal 	❶	0	0	C1
	❷	0	0	C1
	❸	1	0	C2

* Edelstahl
* Acier Inox
* Stainless steel

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

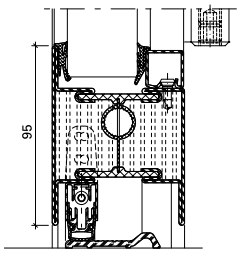
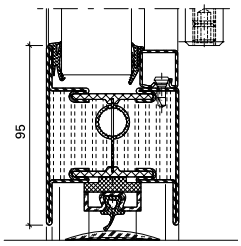
❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Zweiflügelige Türen, einwärts öffnend, Flügelhöhe ≤ 3000 mm

Porte à deux vantaux, ouvrant vers l'intérieur, hauteur du vantail ≤ 3000 mm

Double leaf door, inward opening, leaf height ≤ 3000 mm

Variante	Beschlag Ferrure Fitting	EN 12207	EN 12208	EN 12210
Senkdichtung mit Türschwellenprofil Joint seuil avec profilé pour seuil de porte Drop seal with door threshold profile 	❶	0	0	C1
	❷	0	0	C1
	❸	1	0	C2
Auflaufdichtung Joint de contact Ramp seal 	❶	0	0	C1
	❷	0	0	C1
	❸	1	0	C2

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

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 C4 EI60/EI90.

Sie basieren auf folgenden Grundlagen:

Stahl
- Profile bandverzinkter Stahl, unbeschichtet
- Stahl-Glasleisten
- Trockenverglasung
- Nassverglasung

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

Vous trouverez les valeurs U_f pour les différentes applications Janisol C4 EI60/EI90. dans les pages qui suivent.

Elles se basent sur les principes suivants:

Acier
- Profilés en bande d'acier zingué, sans revêtement
- Parcloses en acier
- Vitrage à sec
- 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 C4 EI60/EI90.

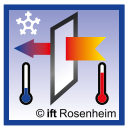
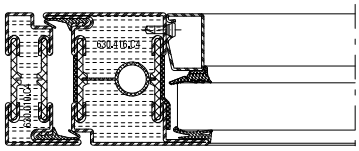
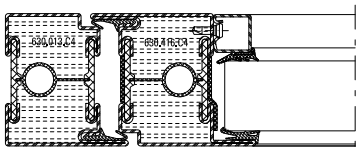
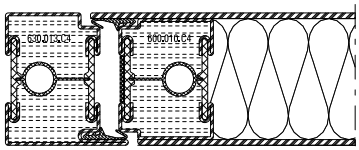
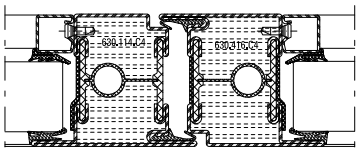
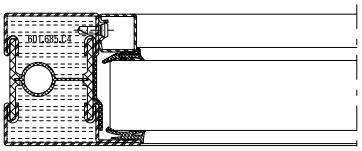
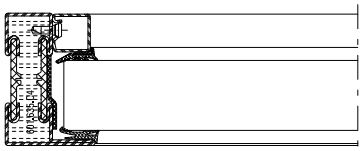
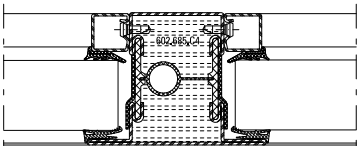
They are based on the following:

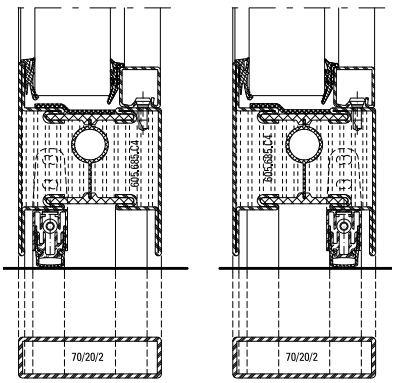
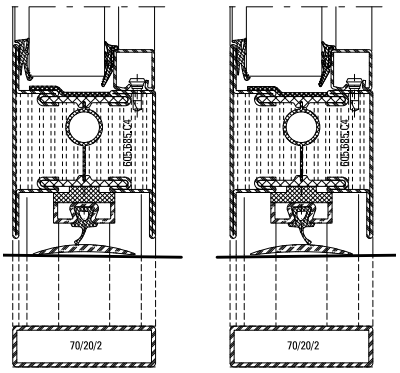
Steel
- Strip galvanised steel profiles, uncoated
- Steel glazing beads
- Glazing with dry glazing
- Glazing with sealing

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

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

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

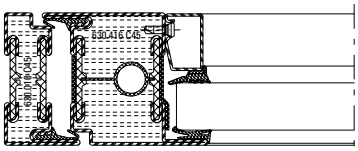
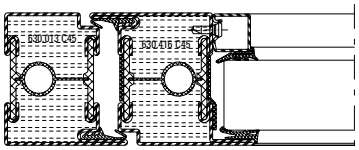
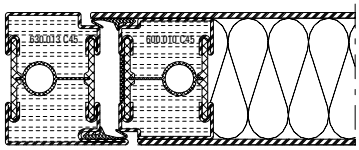
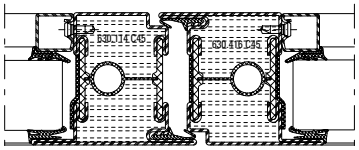
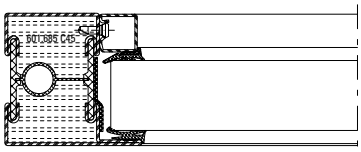
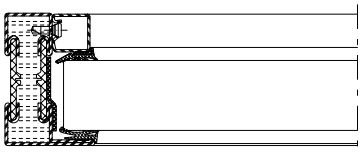
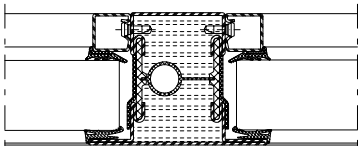
	Füllelementstärken Elements de remplissages Infill elements **≥ 46 mm**
	**3,7 W/m²K**
	**3,7 W/m²K**
	**3,9 W/m²K**
	**3,6 W/m²K**
	**3,7 W/m²K**
	**3,9 W/m²K**
	**3,4 W/m²K**

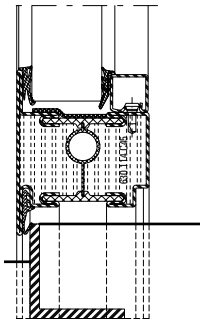
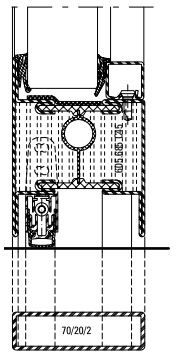
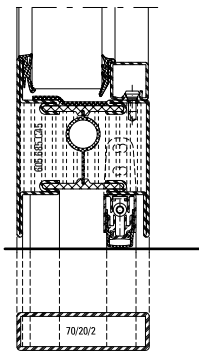
	Füllelementstärken Elements de remplissages Infill elements **≥ 46 mm**
	**4,4 W/m²K** (links / gauche / left) **3,9 W/m²K** (rechts / droite / right)
	**4,4 W/m²K**

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

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

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

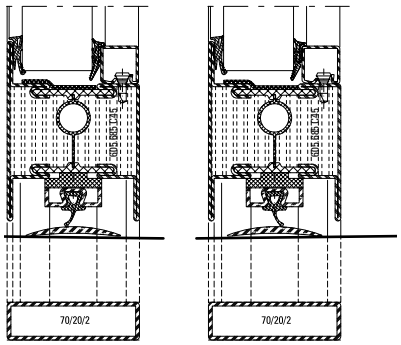
© ift Rosenheim	Füllelementstärken Elements de remplissages Infill elements	
	≥ 24 mm	**≥ 46 mm**
	**3,8 W/m²K**	**3,6 W/m²K**
	**3,7 W/m²K**	**3,6 W/m²K**
	**3,8 W/m²K**	**3,8 W/m²K**
	**3,7 W/m²K**	**3,5 W/m²K**
	**3,9 W/m²K**	**3,7 W/m²K**
	**4,2 W/m²K**	**3,9 W/m²K**
	**3,8 W/m²K**	**3,4 W/m²K**

© ift Rosenheim	Füllelementstärken Elements de remplissages Infill elements	
	≥ 24 mm	**≥46 mm**
	**3,8 W/m²K**	**3,5 W/m²K**
	**4,4 W/m²K**	**4,3W/m²K**
	**4,0 W/m²K**	**3,9 W/m²K**

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

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

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

	Füllelementstärken Elements de remplissages Infill elements	
	≥ 24 mm	**≥46 mm**
	**4,4 W/m²K**	**4,3 W/m²K**

Schallschutz

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.

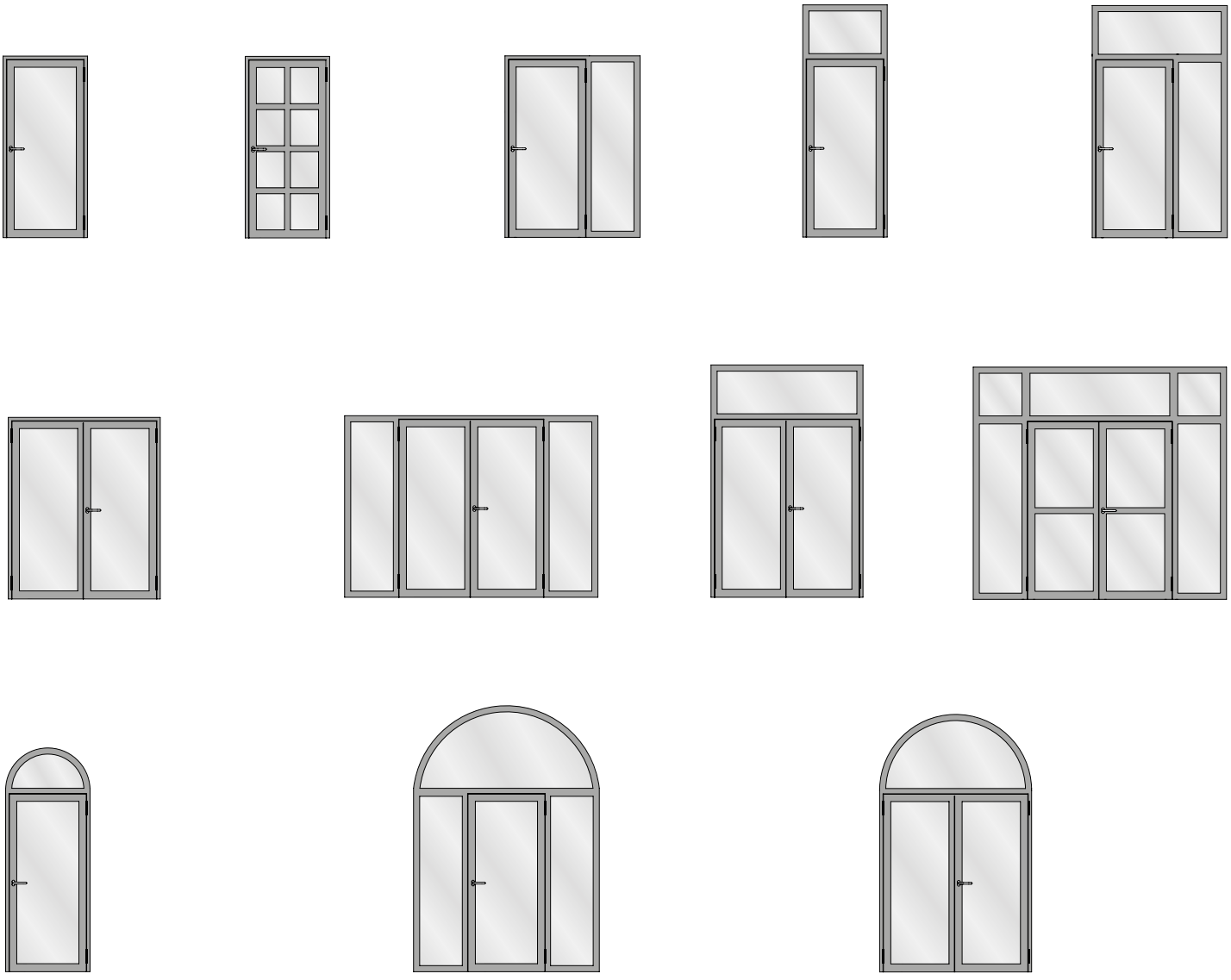


Tabelle A1
Türen in Sonderausführung, Korrekturwerte K_i für besondere Ausführungsmerkmale

Tableau A1
Portes en version spéciale, valeurs de correction K_i pour caractéristiques de réalisation particulières

Table A1
Specially designed doors, correction value Ki for special design features

	1	2	3	4	5	6	7	8	9	10
		Korrekturen Corrections Corrections								
	$R_{W\ basic}$ dB	**K_{dl} dB**	**K_{wet} dB**	**K_{width-} dB**	**K_{hinge} dB**	**$K_{threshold}$ dB**	**$K_{G\ 0,4}$ dB**	**$K_{G\ 1,8}$ dB**	**$K_{G\ 2,6}$ dB**	**$K_{G\ 3,2}$ dB**
1	**37**	0	-1	-1	0	-3[1)]/-	0	-1	-2	-3
2	**38**	0	-1	-1	0	-3[1)]/-	0	-1	-2	-3
3	**39**	0	-1	-1	0	-4[1)]/-1[2)]	0	-1	-2	-3
4	**40**	0	-1	-1	0	-5[1)]/-2[2)]	-1	-1	-2	-3
5	**41**	0	-1	-1	0	-/-2[2)]	-1	-1	-2	-3
6	**42**	-1	-1	-1	0	-/-3[2)]	-2	-1	-2	-3
7	**43**	-1	-1	-1	0	-/-3[2)]	-2	-1	-2	-3
8	**44**	-1	-1	-1	-1	-/-	-3	-1	-2	-3
9	**45**	-1	-1	-1	-1	-/-	-3	-1	-2	-3
10	**46**	-2	-1	-1	-1	-/-	-3	-1	-2	-3
11	**47**	-3	-1	-1	-1	-/-	-4	-1	-2	-3

[1)] *Korrekturwert für Ausführung mit 1 autom. Bodendichtung (gem. Tabelle 3, Zeile 4)*
[2)] *Korrekturwert für Ausführung mit 2 autom. Bodendichtungen (gem. Tabelle 3, Zeile 5)*

[1)] *Valeur de correction pour version avec 1 joint bas de porte automatique (selon tableau 3, ligne 4)*
[2)] *Valeur de correction pour version avec 2 joints bas de porte automatiques (selon tableau 3, ligne 5)*

[1)] *Correction value for design with 1 automatic threshold weatherstrip (according to Table 3, line 4))*
[2)] *Correction value for design with 2 automatic threshold weatherstrips (according to Table 3, line 5)*

$R_{w,doorSD}$ bewertetes Schalldämm-Mass der Tür in Sonderausführung unter Berücksichtigung der individuellen Ausführungs merkmale.

$R_{w,fixSD}$ bewertetes Schalldämm-Mass der feststehender Ober- und Seitenteile in Sonderausführung unter Berücksichtigung der individuellen Ausführungsmerkmale.

$R_{w,\ basic}$ bewertetes Schalldämm-Mass $R_{w,door}$ der Tür in Standardausführung bzw. $R_{w,fix}$ der feststehenden Ober- und Seitenteile nach Abschnitt 4.2.

K_{dl} Korrekturwert für zweiflüglige Türelemente. (K_{dl} gilt ausschließlich für Schwellenvarianten mit ein oder zwei automatischen Bodendichtungen: Aufführung gem. Tabelle 3, Zeilen 4/5 und Tabelle 4, Zeile 11; $R_{w,door}$ nach Tabelle 6, Spalten 3/4. Zweiflüglige Türelemente mit Anschlagschwelle nach Tabelle 3, Zeile 6 und $R_{w,door}$ nach Tabelle 6, Spalte 5 werden in dieser Stellungnahme nicht bewertet.)

K_{wet} Korrekturwert Nassverglasung

K_{width-} Korrekturwert für Türflügelbreite 720 mm ≤ b < 860 mm. (Für Türflügel mit b ≥ 860 mm ist K_{width-} = 0 dB. Türelemente mit Flügelbreiten b < 720 mm werden in dieser Stellungnahme nicht bewertet.)

K_{hinge} Korrekturwert für dichtungsunterbrechende Bandausführung gem. Tabelle 4, Zeile 4

$R_{w,doorSD}$ Indice d'affaiblissement acoustique pondéré de la porte en version spéciale avec prise en compte des caractéristiques de réalisation individuelles.

$R_{w,fixSD}$ Indice d'affaiblissement acoustique pondéré des éléments fixes en imposte et latéraux en version spéciale avec prise en campte des caractéristiques de réalisation individuelles.

$R_{w,\ basic}$ Indice d'affaiblissement acoustique pondéré $R_{w,door}$ de la porte en version standard au $R_{w,fix}$ des éléments fixes en imposte et latéraux selon le chapitre 4.2.

K_{dl} Valeur de correction pour éléments de porte a deux vantaux. (K_{dl} est valable uniquement pour les versions de seuil avec un ou deux joints bas de porte automatiques: réalisation selon le tableau 3, lignes 4/5 et le tableau 4, ligne 11 ; $R_{w,door}$ selon le tableau 6, colonnes 3/4. Les éléments de porte a deux vantaux avec seuil de butée selon le tableau 3, ligne 6 et $R_{w,door}$ selon Je tableau 6, colonne 5, ne sont pas évalués dans le présent avis d'expert.)

K_{wet} Valeur de correction pour vitrage a joint silicone.

K_{width-} Valeur de correction pour largeur de vantail de porte de 720 mm ≤ l < 860 mm. (Pour les vantaux de porte avec b ≥ 860 mm, K_{width-} = 0 dB. Les éléments de porte avec largeurs de vantail l < 720 mm ne sont pas évalués dans le présent avis d'expert.)

K_{hinge} Valeur de correction pour version de paumelles qui induit une interruption du joint selon tableau 4, ligne 2.

$R_{w,doorSD}$ weighted sound reduction index of the door - special design under consideration of he individual configuration characteristics.

$R_{w,fixSD}$ weighted sound reduction index of fixed fanlights and sidelights - special designs under consideration of the individual configuration characteristics.

$R_{w,\ basic}$ weighted sound reduction index $R_{w,door}$ of the door - standard design or $R_{w,fix}$ of the fixed fanlights and sidefights described in Section 4.2.

K_{dl} correction value of double leaf doorsets. (K_{dl} applies exclusively to threshold variants with one or two automatic floor seals: design according to Table 3, lines 4/5 and Table 4, line 9; $R_{w,door}$ according to Table 6, columns 3/4. Double leaf doorsets with threshold according to Table 3, line 6 and $R_{w,door}$ according to Table 6, column 5 are not covered by this expert statement.)

K_{wet} correction value for wet glazing.

K_{width-} correction value for door leaf width 720 mm ≤ w < 860 mm. (For door leaves with w ≥ 860 mm the value is K_{width-} = 0 dB. Doorsets with leaf widths w < 720 mm are not covered by this expert statement.)

K_{hinge} correction value for hinge design with discontinued seal according to Table 4, line 2.

$K_{threshold}$ Korrekturwert für Schwellenausführung mit erhöhter Bodenluft 7 mm - 8 mm, Basisvariante gem. Tabelle 3, Zeilen 4/5. Separate Angabe für Schwellenvarianten mit 1/2 Bodendichtungen (im Wertebereich für den in Tabelle 6 keine entsprechende Ausführungsvariante aufgeführt ist, wird kein Korrekturwert $K_{threshold}$ ausgewiesen).

$K_{g\ 0,4}$ Korrekturwert für Einzelscheiben mit einer Glasfläche $S_{glazing} \leq 0,4\ m^2$

$K_{g\ 1,8}$ Korrekturwert für Einzelscheiben mit einer Glasfläche $S_{glazing} \geq 1,8\ m^2$

$K_{g\ 2,6}$ Korrekturwert für Einzelscheiben mit einer Glasfläche $S_{glazing} \geq 2,6\ m^2$

$K_{g\ 3,2}$ Korrekturwert für Einzelscheiben mit einer Glasfläche $S_{glazing} \geq 3,2\ m^2$

$K_{threshold}$ Valeur de correction pour version de seuil avec plus grand jeu au sol de 7 mm - 8 mm, version de base selon le tableau 3, lignes 4/5. Indication separee pour les versions de seuil avec 1/2 joints bas de porte (aucune valeur de correction $K_{threshold}$ n'est indiquée pour la plage de valeur pour laquelle aucune version de réalisation n'est mentionnée dans le tableau 6).

$K_{g\ 0,4}$ Valeur de correction pour vitres individuelles avec surface de verre $S_{glazing} \leq 0,4\ m^2$

$K_{g\ 1,8}$ Valeur de correction pour vitres individuelles avec surface de verre $S_{glazing} \geq 1,8\ m^2$

$K_{g\ 2,6}$ Valeur de correction pour vitres individuelles avec surface de verre $S_{glazing} \geq 2,6\ m^2$

$K_{g\ 3,2}$ Valeur de correction pour vitres individuelles avec surface de verre $S_{glazing} \geq 3,2\ m^2$

$K_{threshold}$ correction value for threshold design with extended air gap of 7 mm to 8 mm, basic variant according to Table 3, lines 4/5. Separate data for threshold variants with 1/2 floor seals (for the value range with Table 6 not specifying a corresponding design variant, no correction value $K_{threshold}$ is listed).

$K_{g\ 0,4}$ correction value for single panes with glass area $S_{glazing} \leq 0.4\ m^2$

$K_{g\ 1,8}$ correction value for single panes with glass area $S_{glazing} \geq 1.8\ m^2$

$K_{g\ 2,6}$ correction value for single panes with glass area $S_{glazing} \geq 2.6\ m^2$

$K_{g\ 3,2}$ correction value for single panes with glass area $S_{glazing} \geq 3.2\ m^2$