

Elwiz ENERGIO PVC

Technischer Hilfskatalog

msFaktura
Bauelemente-Fachhandelssoftware

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E5000
ENERGIO

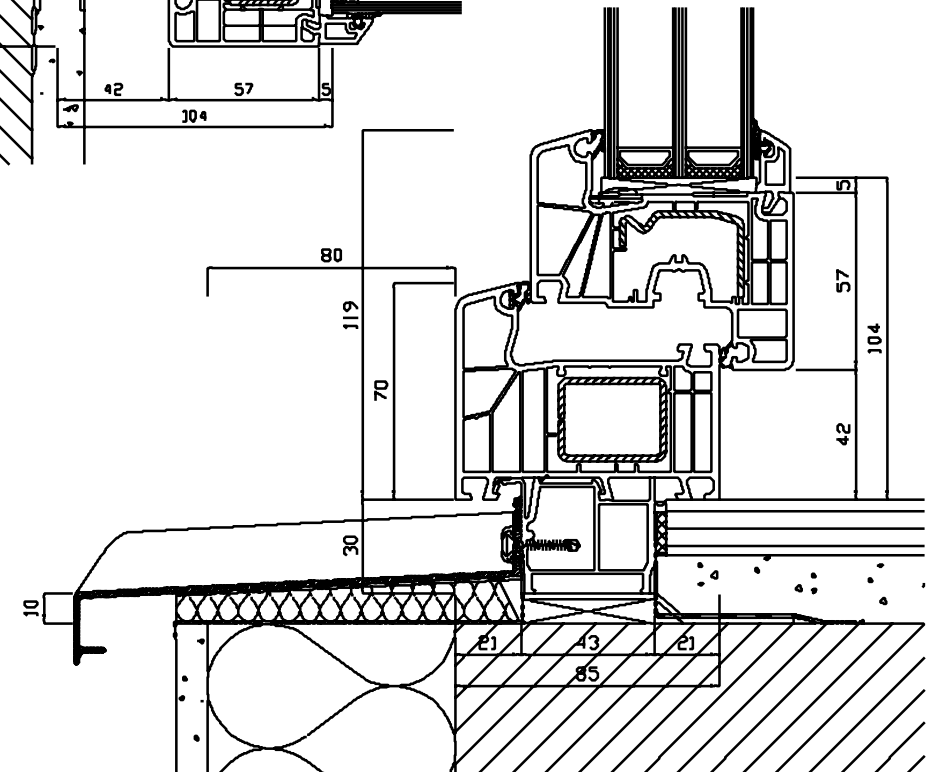
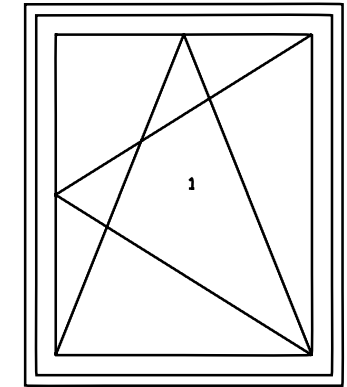
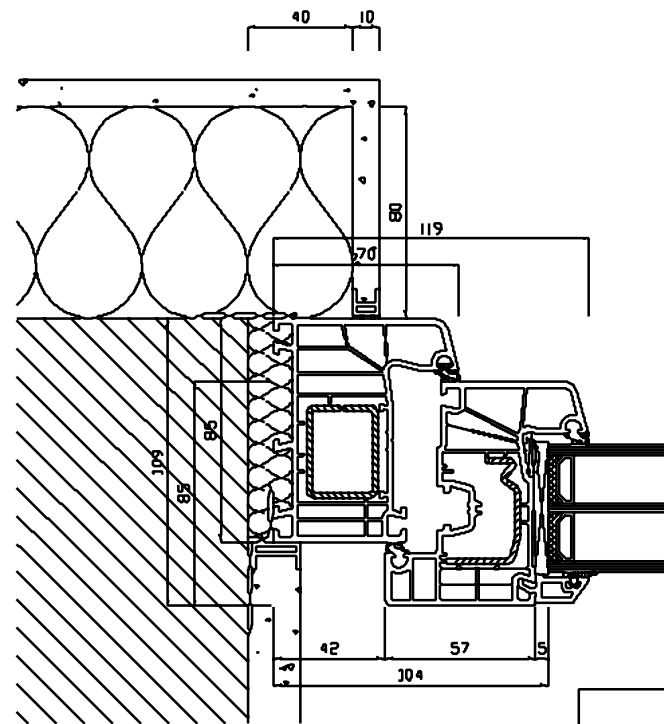
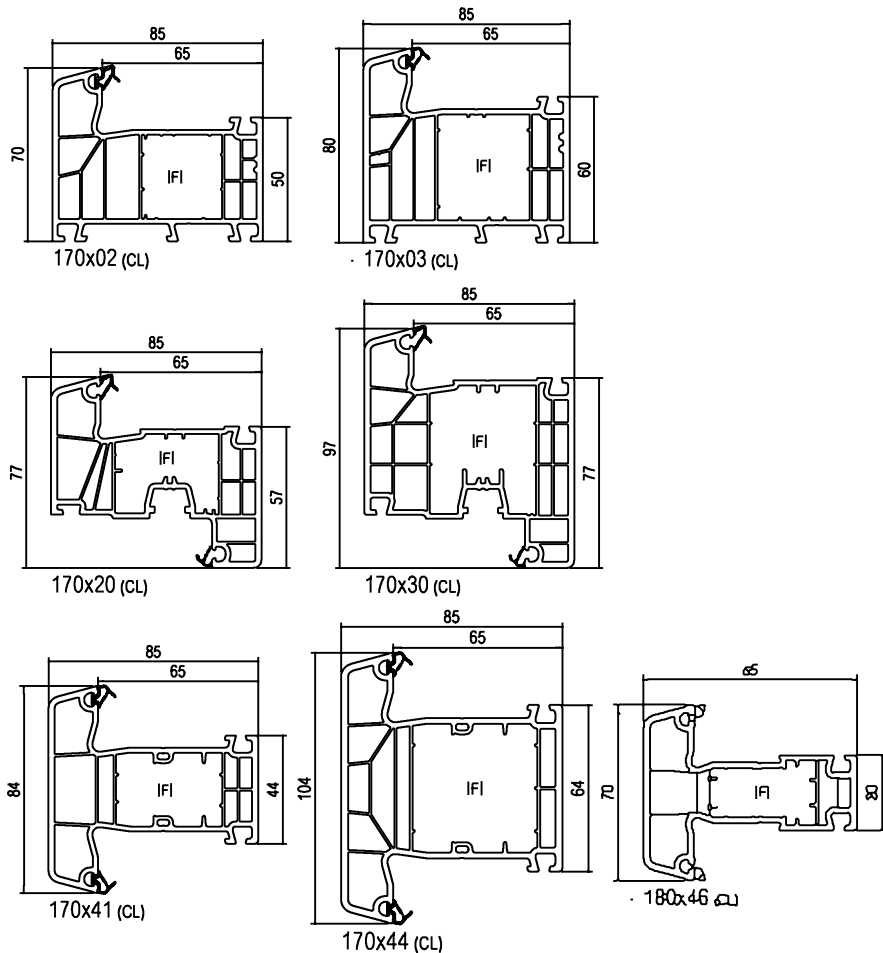
E4000
ENERGIO

Energio
Passiv

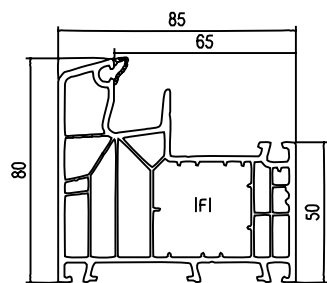
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E7000
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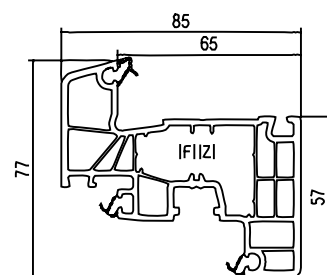




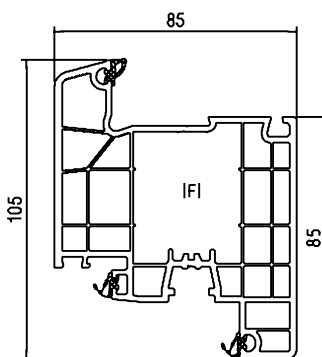
Rahmen / Flügel kombination U=offener Stahl, UJ=offener Stahl verstärkt, O=geschl. Stahl	Ix Rahmen in cm4 [N°]	Ix Flügel in cm4 [N°]	Ix Kämpfer in cm4 [N°]
170x02 O-Stahl 2mm / 170x20 U-Stahl 1,2mm Ix2,1cm4	2,9 [259106]	2,1 [259020]	
170x02 O-Stahl 2mm / 170x20 UJ-Stahl 2mm Ix4,3cm4		4,3 [259026]	
170x02 O-Stahl 2mm / 170x30 U-Stahl 1,2mm Ix4,6cm4		4,6 [209192]	
170x03 U-Stahl 1,5mm / 170x20 U-Stahl 1,2mm Ix2,1cm4	3,7 [229017]	2,1 [259020]	
170x03 O-Stahl 1,5mm / 170x20 UJ-Stahl 2mm Ix4,3cm4		4,3 [259026]	
170x03 O-Stahl 2mm / 170x30 UJ-Stahl 2mm Ix7cm4	5 [229115]	7 [209193]	
Kämpfer 84mm 170x41 mit O-Stahl 1,5mm			3,9 [259043]
Kämpfer 104mm 170x44 mit O-Stahl 2mm			9,2 [249035]
Kämpfer 70mm 180x46 mit O-Stahl 1,5mm (nur für Flügel)			2,5 [229037]



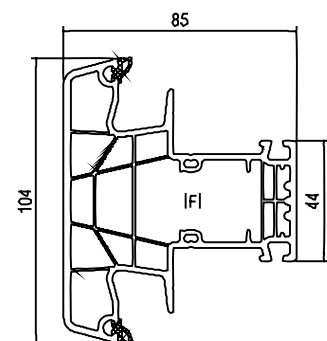
180x05 (CL)



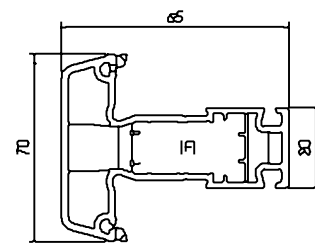
180x20 (CL)



180x30 (CL)

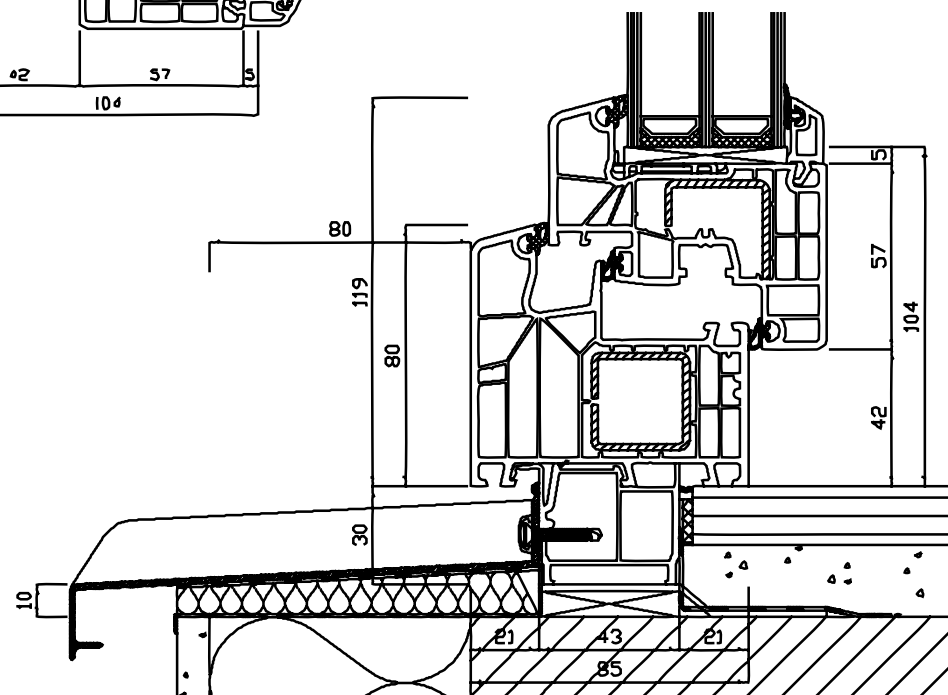
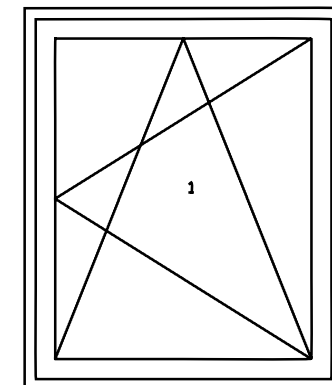
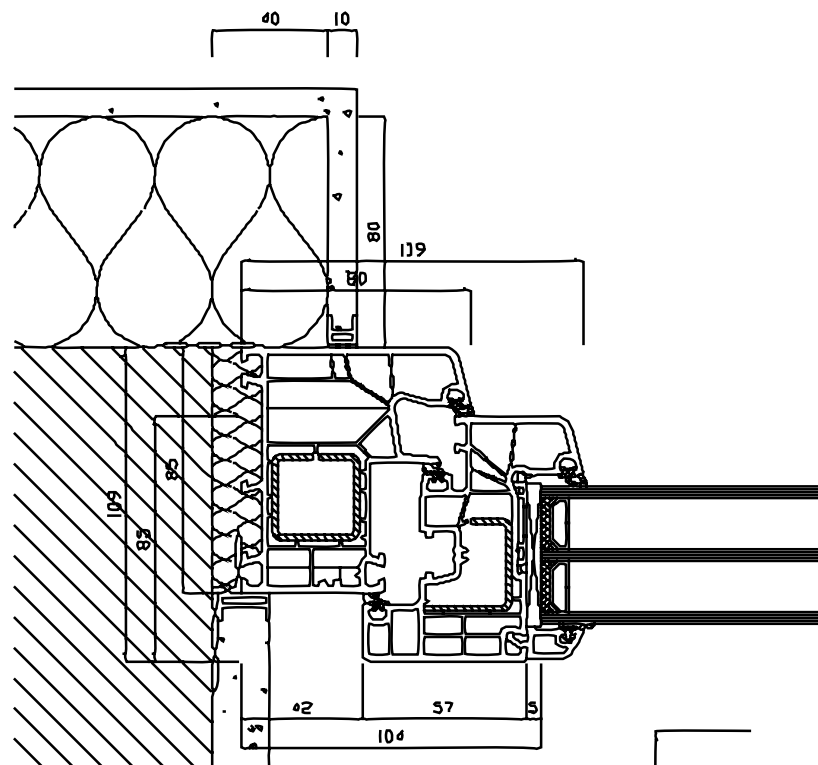


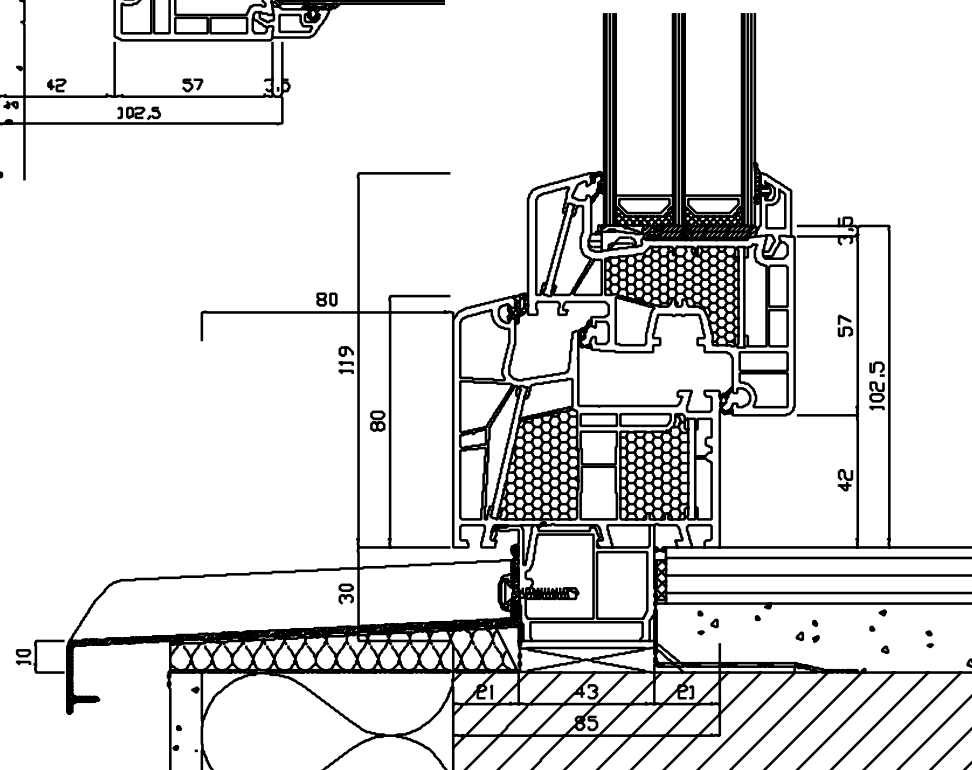
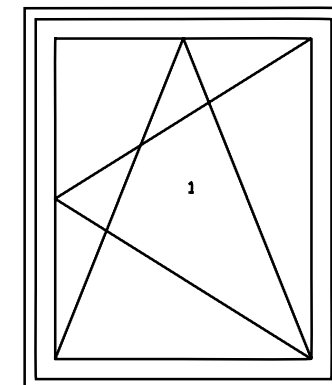
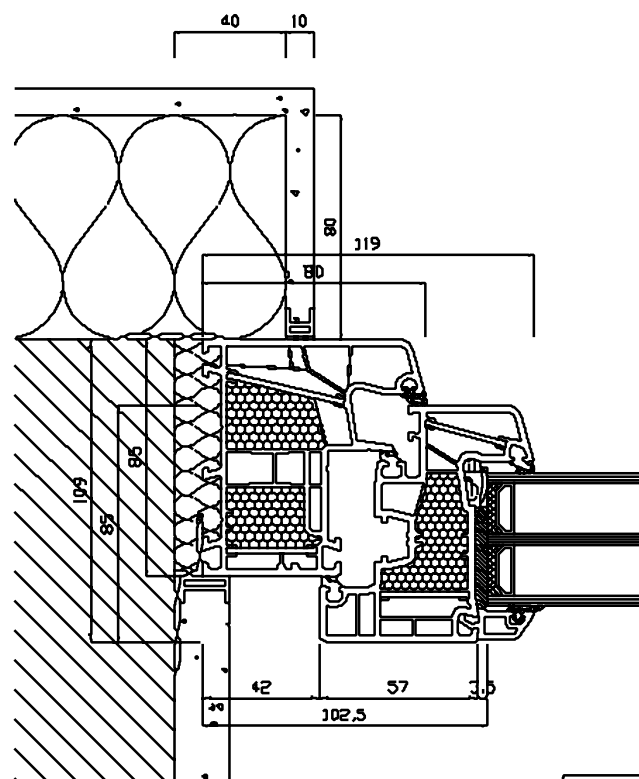
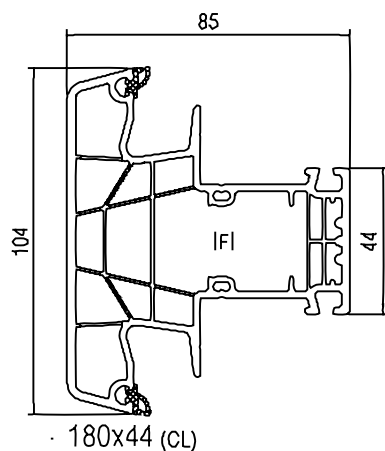
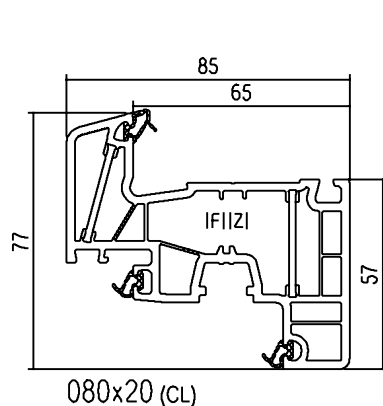
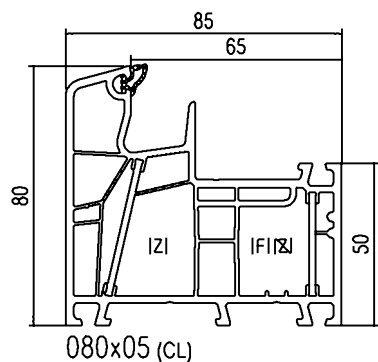
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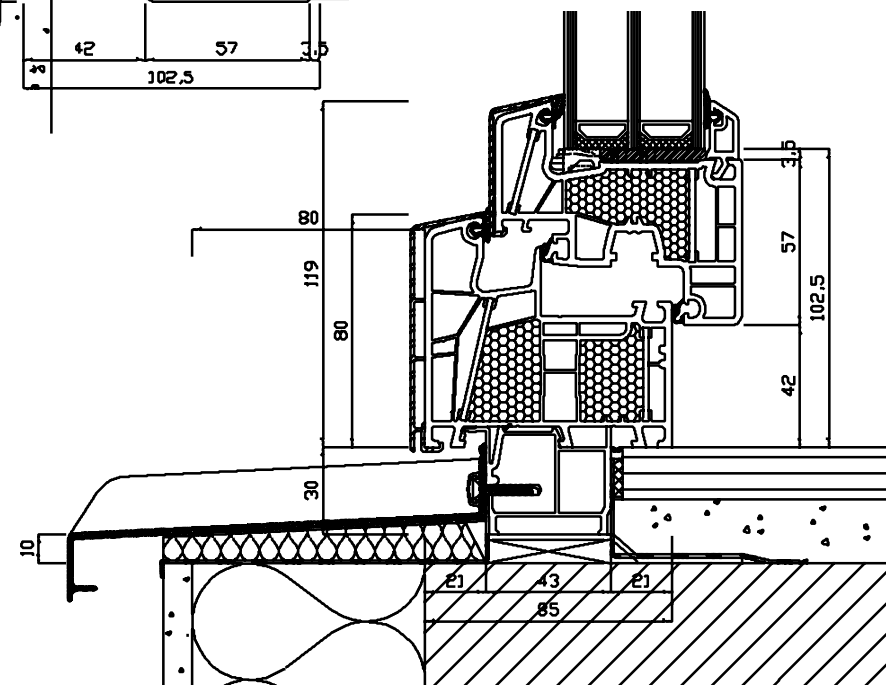
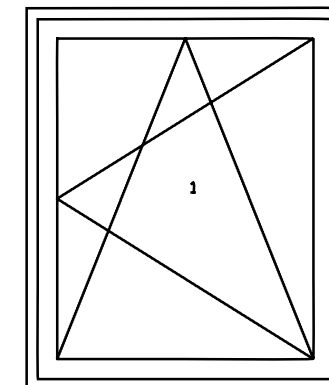
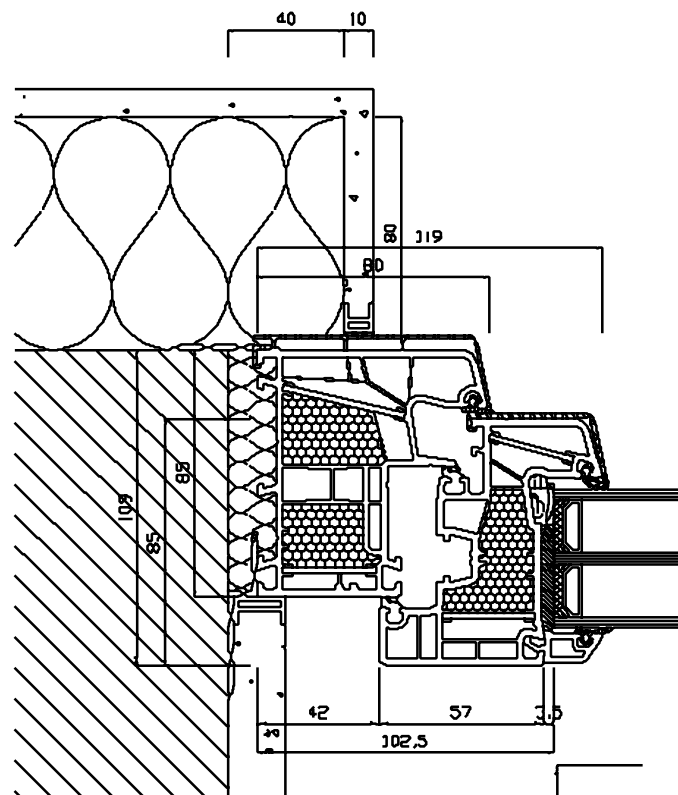
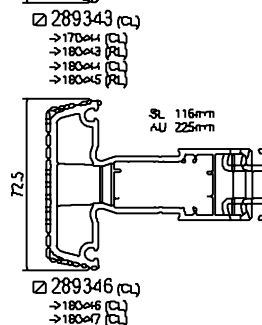
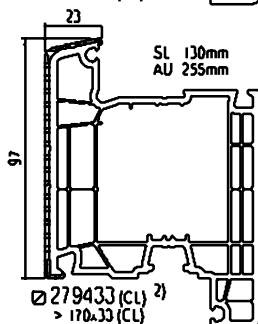
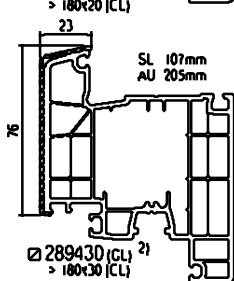
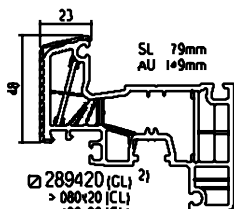
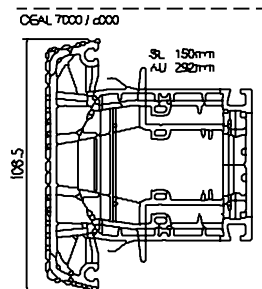
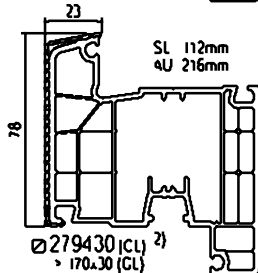
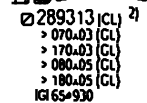
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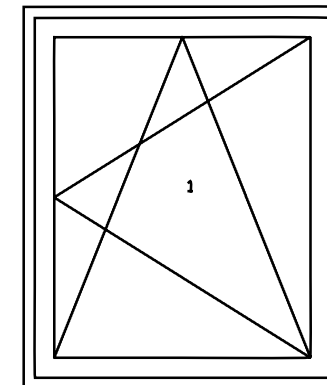
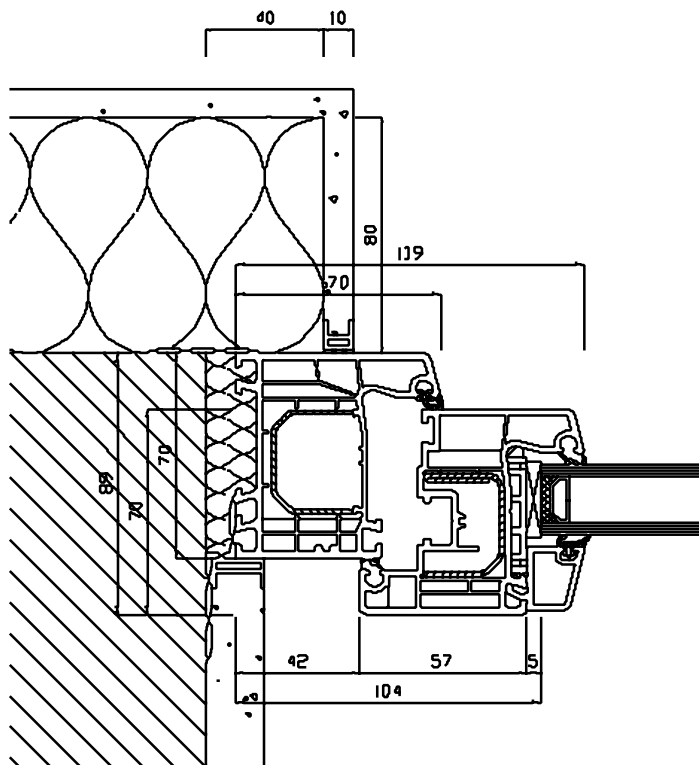
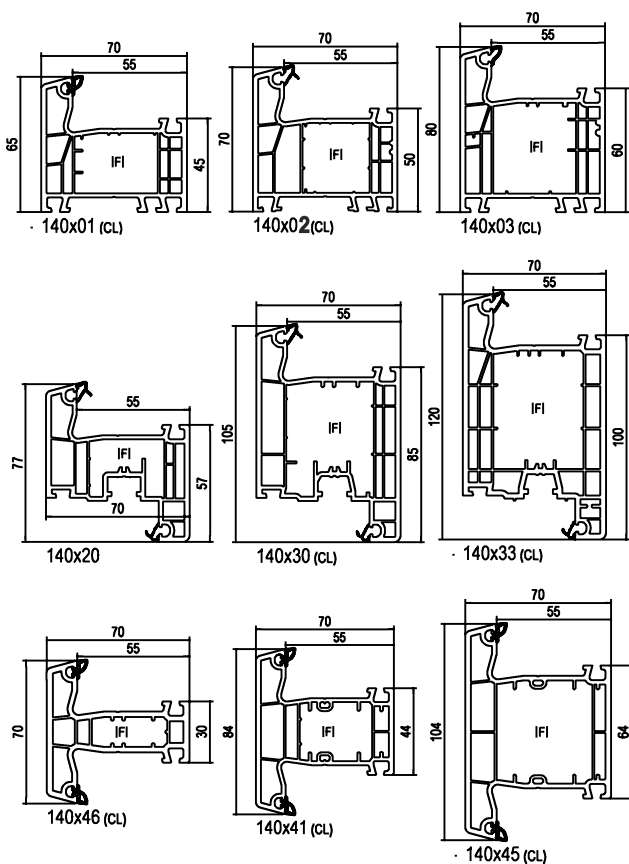
Rahmen / Flügel kombination U=offener Stahl, U =offener Stahl verstärkt, O=geschl. Stahl	Ix Rahmen in cm4 [N°]	Ix Flügel in cm4 [N°]	Ix Kämpfer in cm4 [N°]
180x05 U-Stahl 1,5mm / 180x20 U-Stahl 1,2mm Ix2,1cm4	1,7 [239019]	2,1 [259020]	
180x05 O-Stahl 2mm / 180x20 U -Stahl 2mm Ix4,3cm4	2,7 [229113]	4,3 [259026]	
180x05 O-Stahl 2mm / 180x30 U -Stahl 2mm Ix7,2cm4	2,7 [229113]	7,26 [259031]	
180x44 104mm O-Stahl 1,5mm			5,1 [229102]
180x44 104mm O-Stahl 2mm			7,3 [229103]
180x46 70mm O-Stahl 1,5mm (empfohlen nur für Flügel)			2,5 [229037]



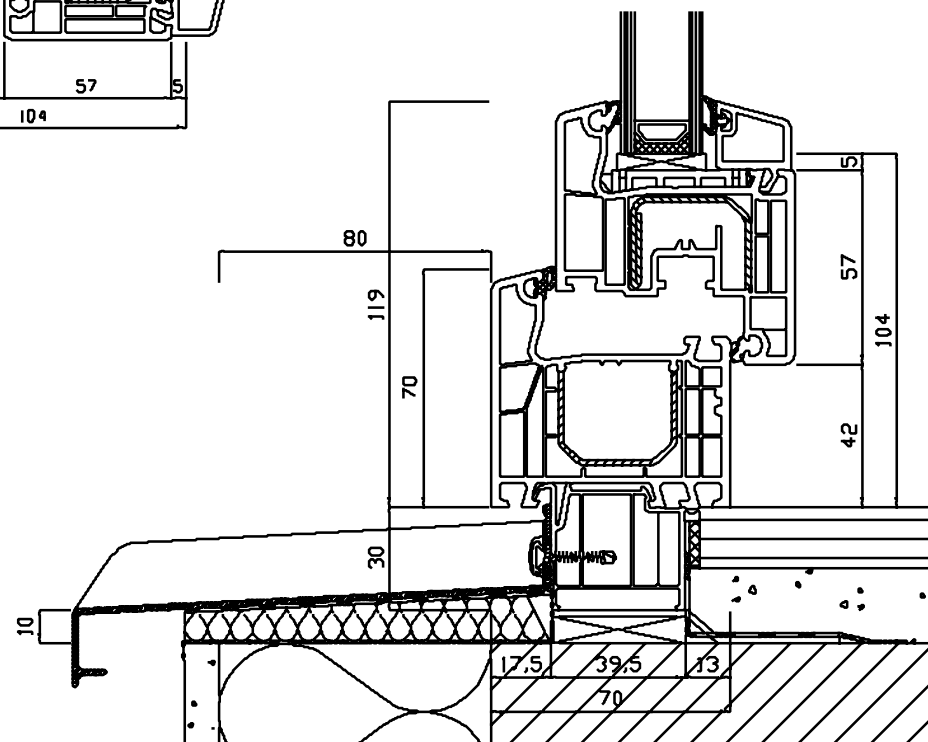


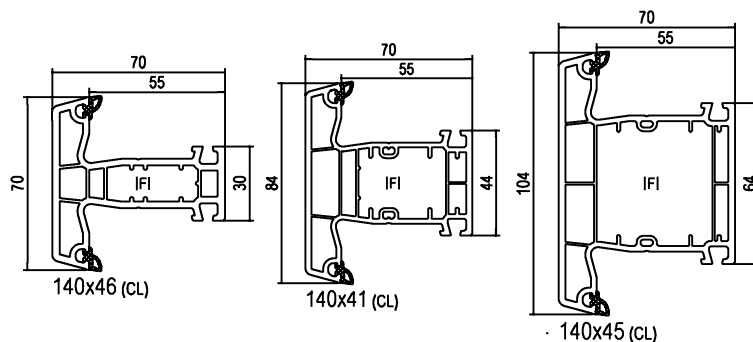
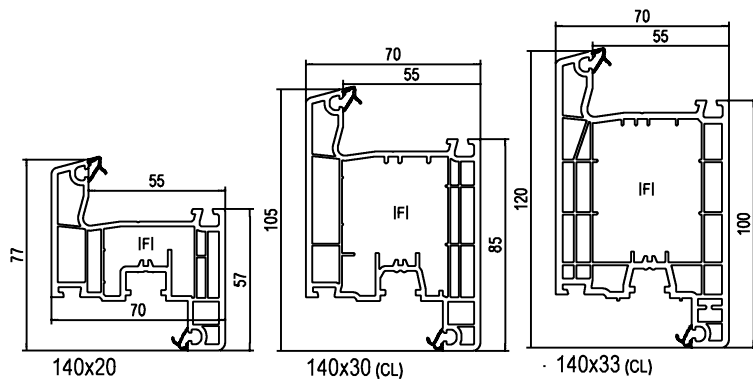
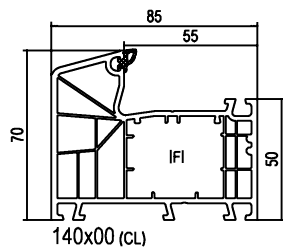
Rahmen / Flügel kombination U=offener Stahl, U =offener Stahl verstärkt, O=geschl. Stahl	Ix Rahmen in cm4 [N°]	Ix Flügel in cm4 [N°]	Ix Kämpfer in cm4 [N°]
080x05 Glasfaserverstärkt / 080x20 Glasfaserverstärkt - Zertifiziert	N/A	N/A	
080x05 ohne Stahl / 180x20 U -Stahl 2mm Ix4,3cm Kombination Energo Passiv Rahmen mit E8000 Flügel empfohlen ab Fensterhöhen von 1700mm (thermische Verformung)	N/A	4,3 [259026]	
180x44 104mm ohne Stahl			N/A
180x44 104mm O-Stahl 1,5mm			5,1 [229102]
180x44 104mm O-Stahl 2mm			7,3 [229103]



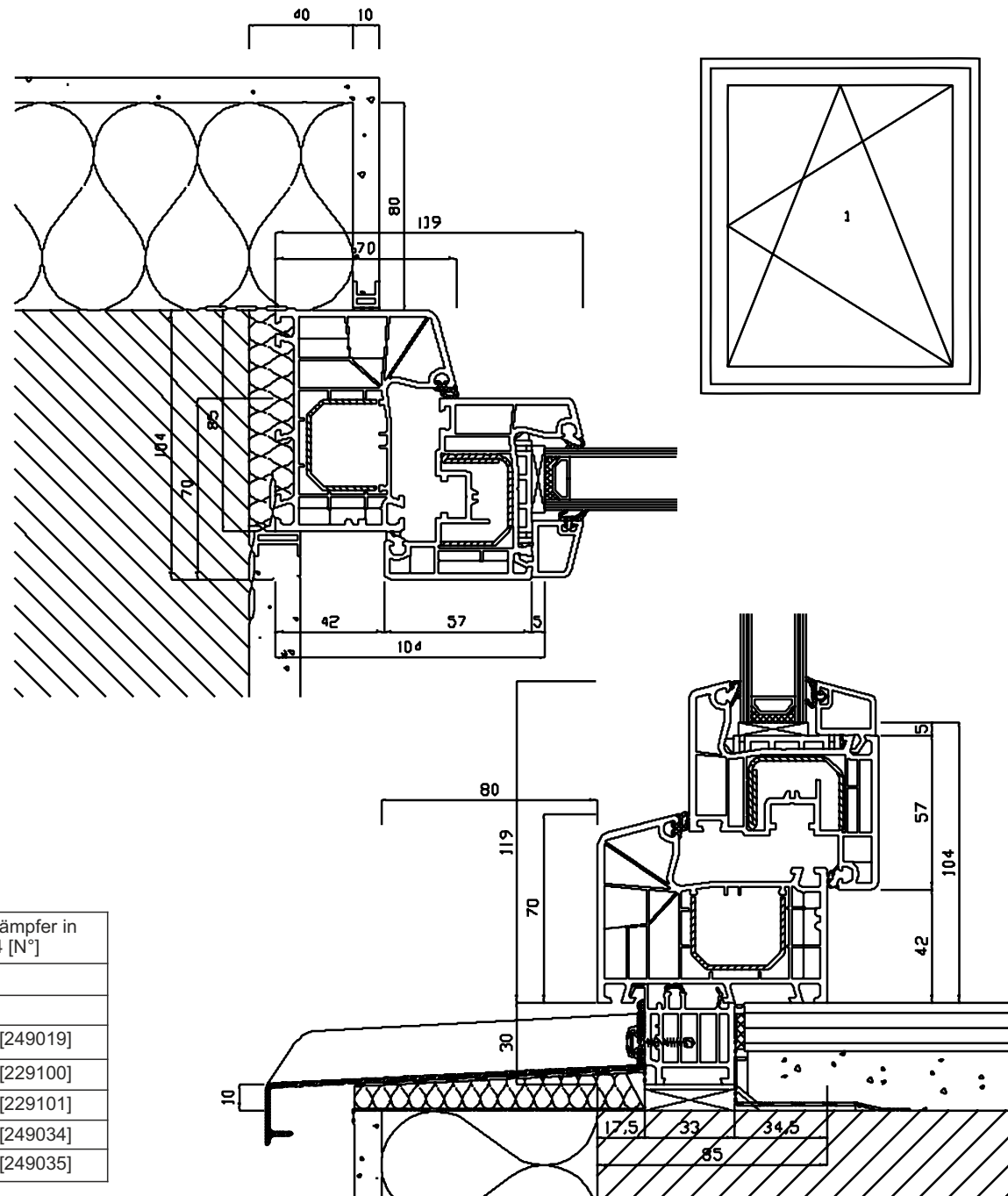


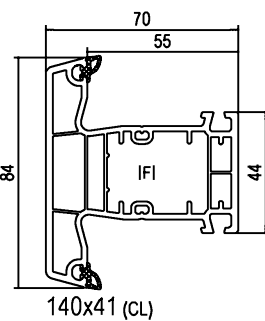
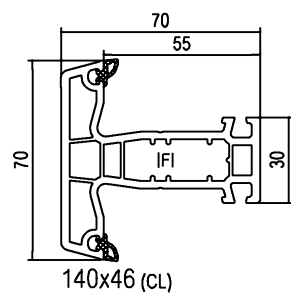
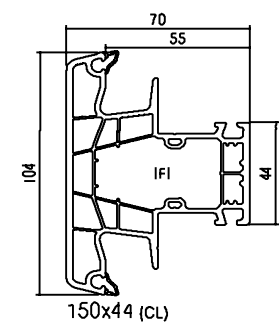
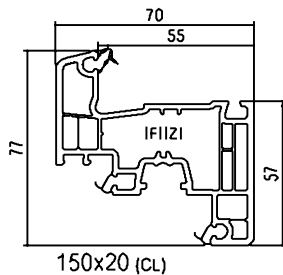
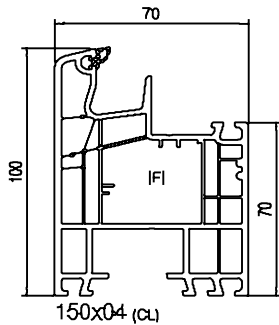
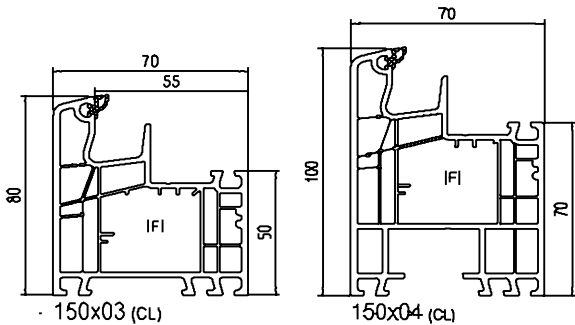
Rahmen / Flügel kombination U=offener Stahl, UJ=offener Stahl verstärkt, O=geschl. Stahl	Ix Rahmen in cm4 [N°]	Ix Flügel in cm4 [N°]	Ix Kämpfer in cm4 [N°]
140x01 U-Stahl 1,5mm / 140x20 U-Stahl 1,5mm lx2,3cm4	2,3 [229023]	2,3 [229023]	
140x01 UJ-Stahl 1,5mm / 140x20 UJ-Stahl 1,5mm lx3cm4	3 [229024]	3 [229024]	
140x02 UJ-Stahl 1,5mm / 140x20 UJ-Stahl 1,5mm lx3cm4	3 [229024]	3 [229024]	
140x02 UJ-Stahl 1,5mm / 140x30 U-Stahl 2mm lx6,9cm4	3 [229024]	6,9 [249031]	
140x03 O-Stahl 1,5mm / 140x20 UJ-Stahl 1,5mm lx3cm4	4 [229114]	3 [229024]	
140x03 O-Stahl 2mm / 140x30 UJ-Stahl 1,5mm lx3cm4	5 [229115]	6,9 [249031]	
140x46 70mm O-Stahl 2mm			1,8 [249019]
140x41 84mm O-Stahl 1,2mm (nur für Flügel)			2,0 [229100]
140x41 84mm O-Stahl 1,5mm			2,8 [229101]
140x45 104mm O-Stahl 1,2mm			6,1 [249034]
140x45 104mm O-Stahl 2mm			9,2 [249035]



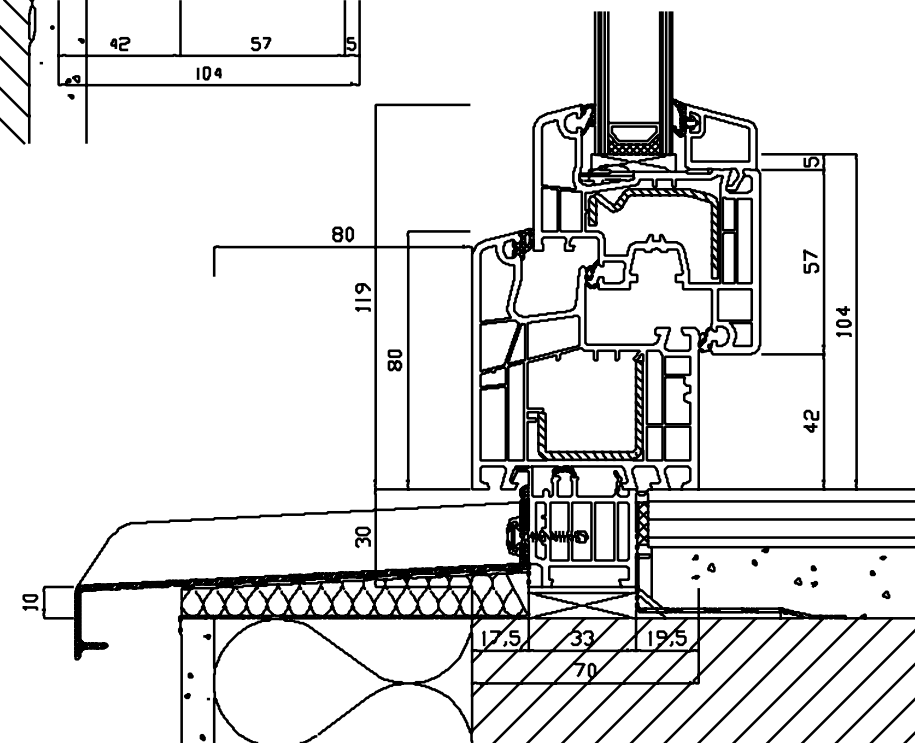
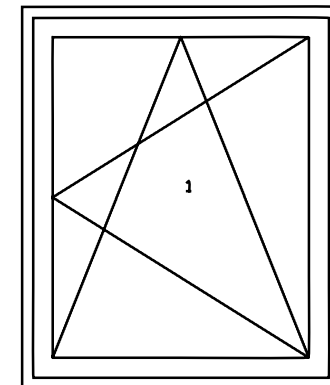
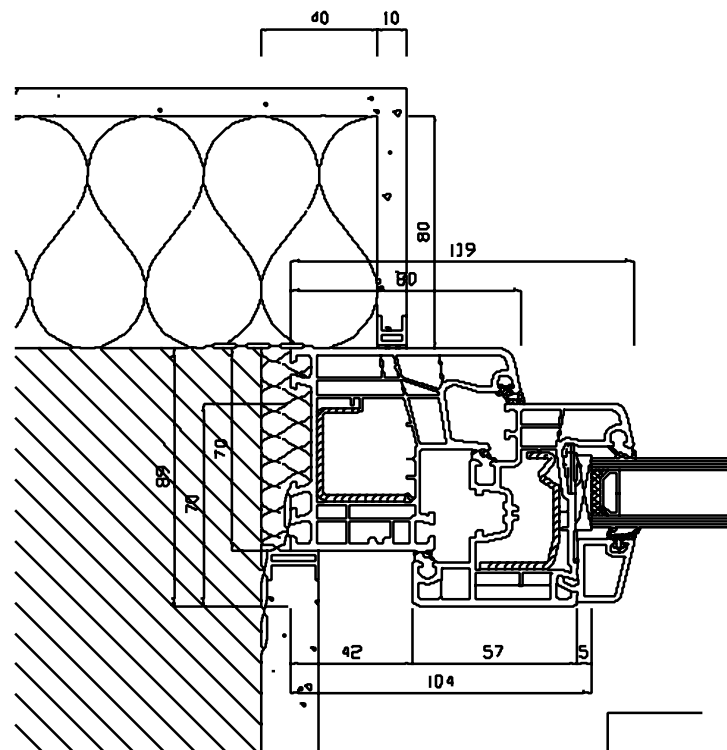


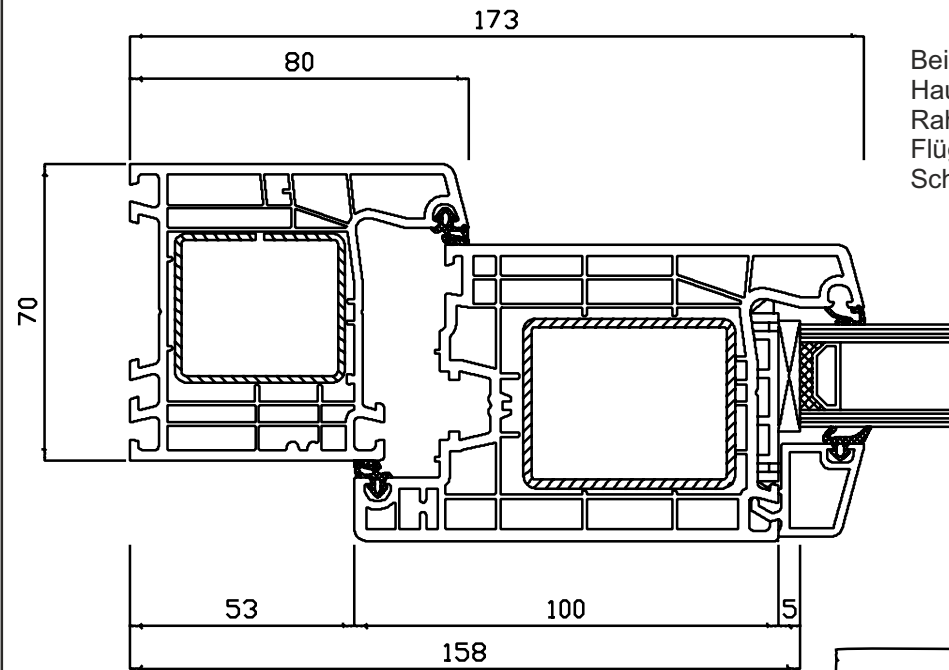
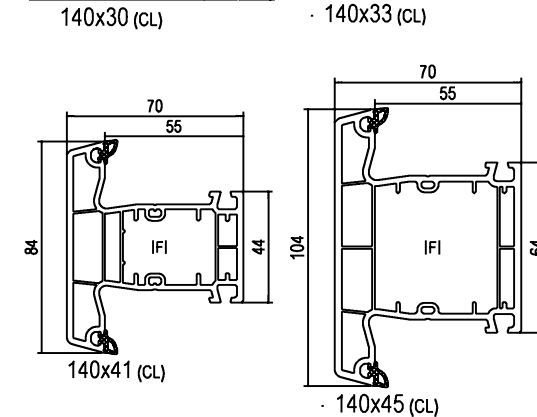
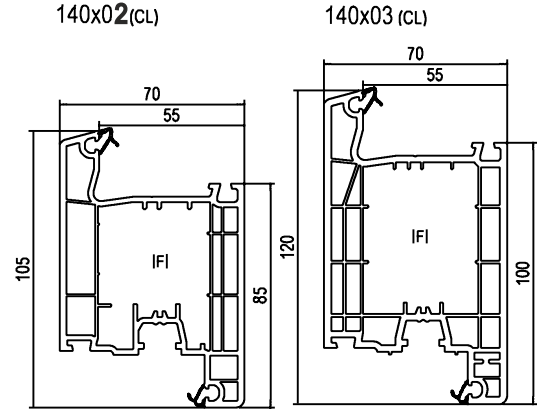
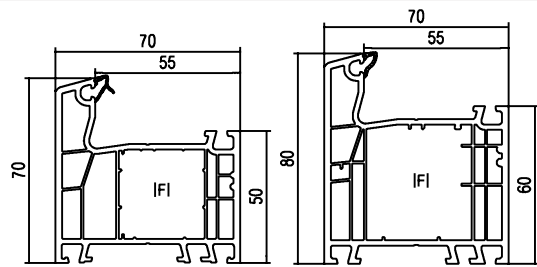
Rahmen / Flügel kombination U=offener Stahl, U =offener Stahl verstärkt, O=geschl. Stahl	Ix Rahmen in cm4 [N°]	Ix Flügel in cm4 [N°]	Ix Kämpfer in cm4 [N°]
140x01 U-Stahl 1,5mm / 140x20 U-Stahl 1,5mm lx2,3cm4	2,3 [229023]	2,3 [229023]	
140x01 U -Stahl 1,5mm / 140x20 U -Stahl 1,5mm lx3cm4	3 [229024]	3 [229024]	
140x46 70mm O-Stahl 2mm			1,8 [249019]
140x41 84mm O-Stahl 1,2mm (nur für Flügel)			2,0 [229100]
140x41 84mm O-Stahl 1,5mm			2,8 [229101]
140x45 104mm O-Stahl 1,2mm			6,1 [249034]
140x45 104mm O-Stahl 2mm			9,2 [249035]



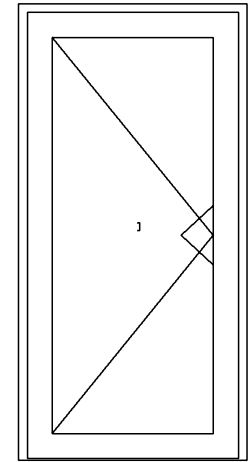


Rahmen / Flügel kombination U=offener Stahl, U =offener Stahl verstärkt, O=geschl. Stahl	Ix Rahmen in cm4 [N°]	Ix Flügel in cm4 [N°]	Ix Kämpfer in cm4 [N°]
150x03 U-Stahl 1,5mm / 150x20 U-Stahl 1,2mm Ix2,1cm4	1,7 [239019]	2,1 [259020]	
150x03 O-Stahl 2mm / 150x20 U -Stahl 2mm Ix4,3cm4	2,7 [229113]	4,3 [259026]	
150x04 O-Stahl 2mm / 150x20 U -Stahl 2mm Ix7,2cm4	2,7 [229113]	4,3 [259026]	
140x44 104mm O-Stahl 2mm 1,5mm			3,9 [259043]
140x46 70mm O-Stahl 2mm			1,8 [249019]
140x41 84mm O-Stahl 1,2mm (nur für Flügel)			2,0 [229100]
140x41 84mm O-Stahl 1,5mm			2,8 [229101]
140x45 104mm O-Stahl 1,2mm			6,1 [249034]
140x45 104mm O-Stahl 2mm			9,2 [249035]

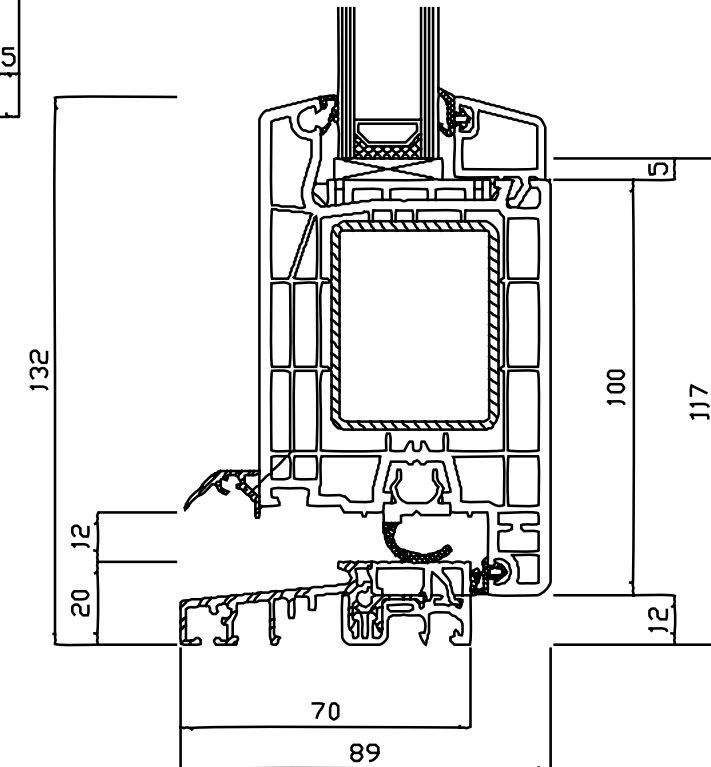
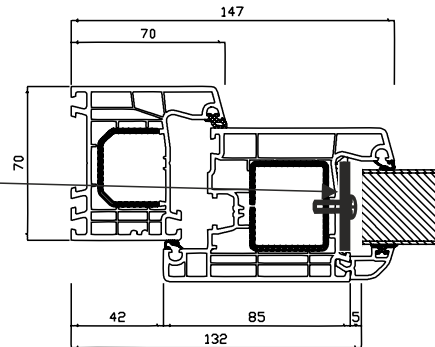




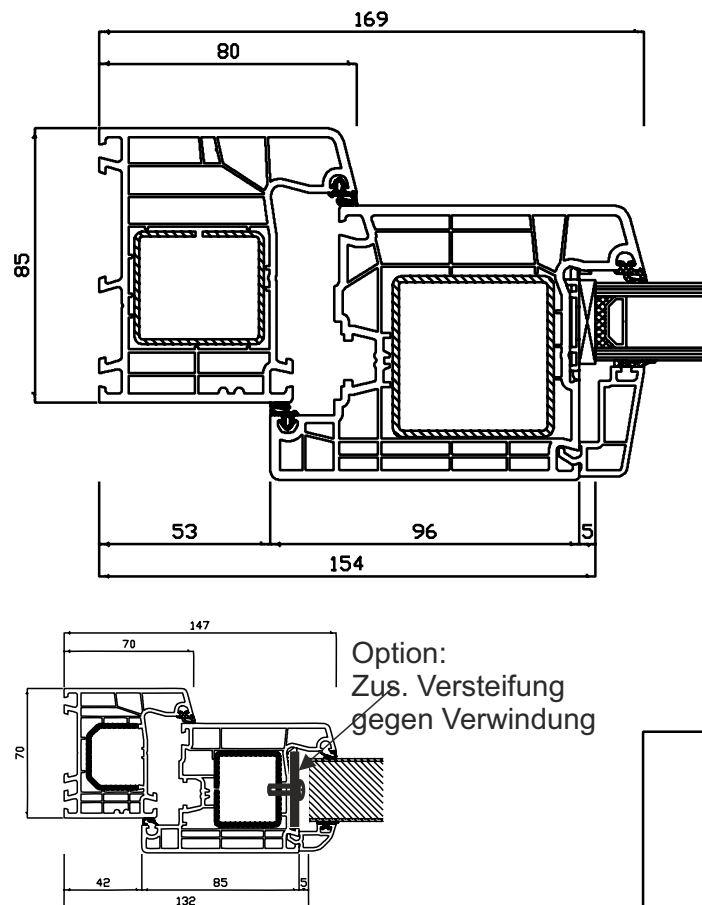
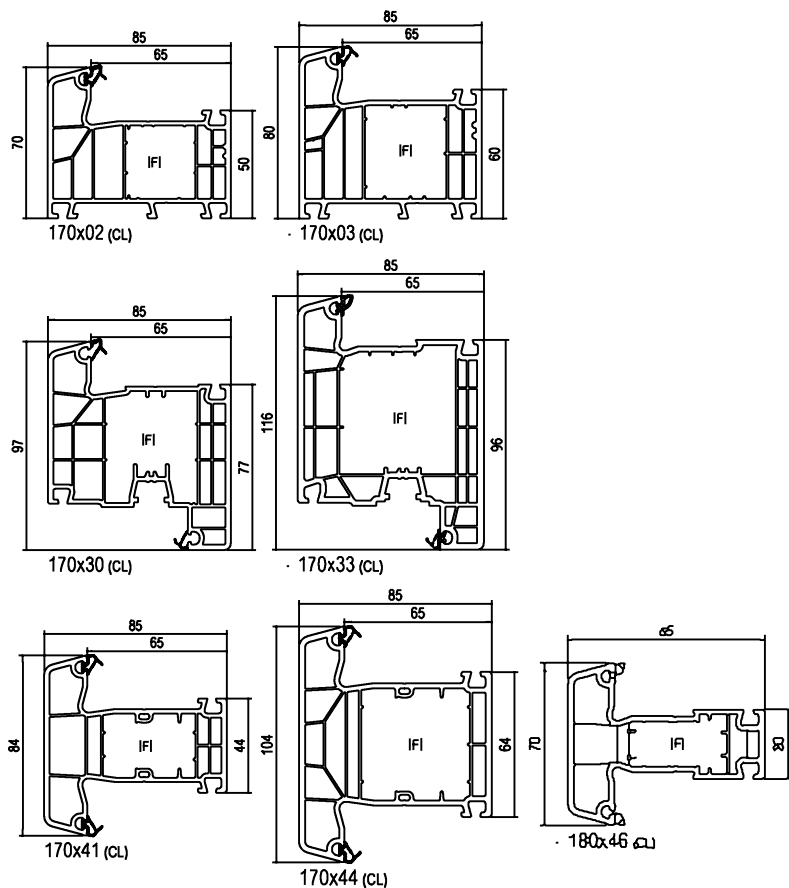
Beispiel
Haustür E4000
Rahmen: 140x03
Flügel: 140x33
Schwelle: je nach Wahl



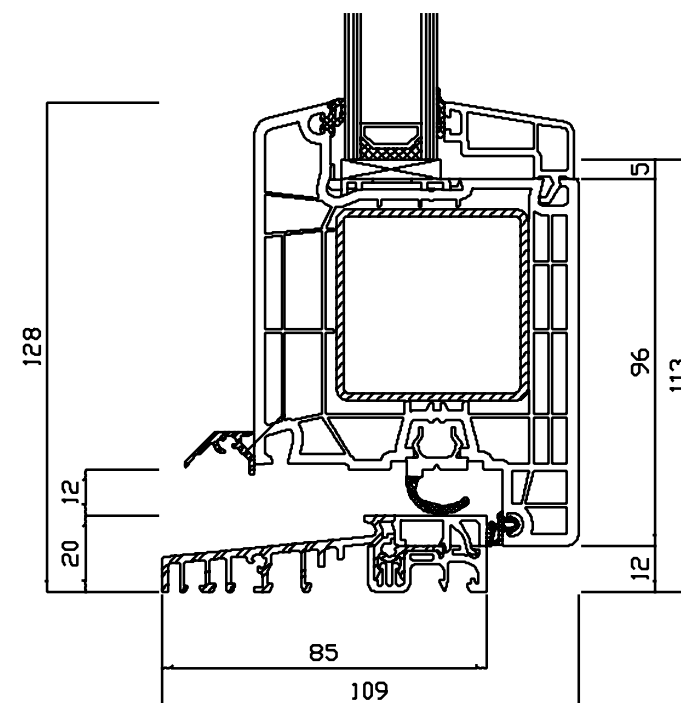
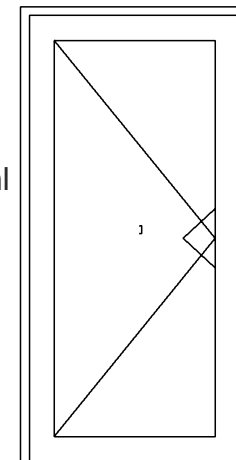
Option:
Zus. Versteifung
gegen Flügel
Verwindung
Wahl in MSFaktura



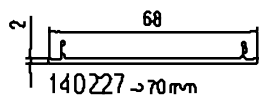
Rahmen / Flügel kombination U=offener Stahl, U =offener Stahl verstärkt, O=geschl. Stahl	Ix Rahmen in cm4 [N°]	Ix Flügel in cm4 [N°]	Ix Kämpfer in cm4 [N°]
140x02 O-Stahl 2mm / 140x30 U-Stahl 2mm Ix6,9cm4	3,7 [229114]	6,9 [249031]	
140x03 O-Stahl 2mm / 140x33 O-Stahl 2mm Ix8,5cm4	5 [229115]	8,5 [229125]	
140x41 84mm O-Stahl 1,2mm (nur für Flügel)			2,0 [229100]
140x41 84mm O-Stahl 1,5mm			2,8 [229101]
140x45 104mm O-Stahl 1,2mm			6,1 [249034]
140x45 104mm O-Stahl 2mm			9,2 [249035]



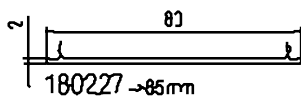
Beispiel
Haustür E7000
Rahmen: 170x03
Flügel: 170x33
Schwelle: je nach Wahl



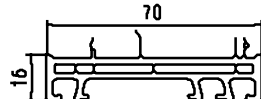
Rahmen / Flügel kombination U=offener Stahl, U =offener Stahl verstärkt, O=geschl. Stahl	Ix Rahmen in cm ⁴ [N°]	Ix Flügel in cm ⁴ [N°]	Ix Kämpfer in cm ⁴ [N°]
170x02 O-Stahl 2mm / 170x30 U-Stahl 1,2mm Ix4,6cm ⁴	2,9 [259106]	4,6 [209192]	
170x03 O-Stahl 2mm / 170x33 O-Stahl 2mm Ix14cm ⁴	5 [229115]	14 [229135]	
Kämpfer 84mm 170x41 mit O-Stahl 1,5mm			3,9 [259043]
Kämpfer 104mm 170x44 mit O-Stahl 2mm			9,2 [249035]
Kämpfer 70mm 180x46 mit O-Stahl 1,5mm (nur für Flügel)			2,5 [229037]



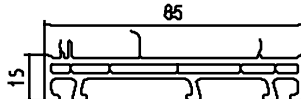
140227 → 70mm



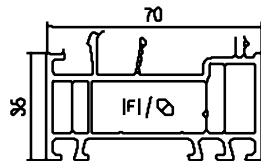
180227 → 85mm



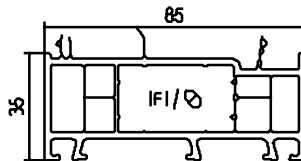
140209 → 70mm
- HI 680200 → 85mm



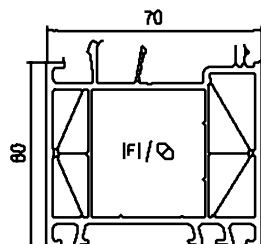
180209 → 85mm



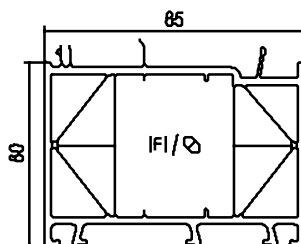
140205 → 70/85mm
IFI 229110, 229111
PI 248335



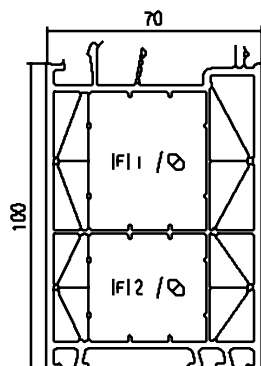
180201 → 85mm
IFI 229098, 229100, 229101
PI 248335



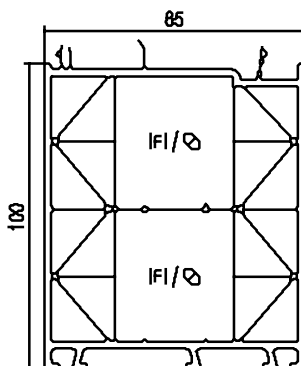
140207 → 70/85mm
IFI 229017, 229114, 229115
PI 248360



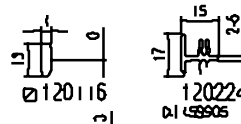
180203 → 85mm
IFI 229017, 229114, 229115
PI 248360



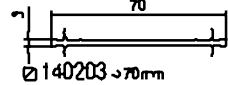
140208 → 70/85mm
IFI 1 229114, 229115
2 259010, 259011
PI 248310



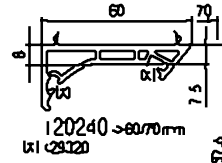
180204 → 85mm
IFI 229114, 229115
PI 248310



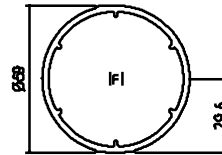
449140
= 210 Abungen



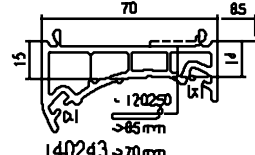
140203 → 70mm



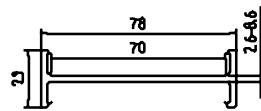
120240 → 80/70mm
HI 622120



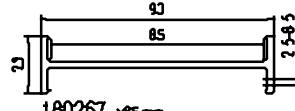
120241 → 80/70mm
IFI 229140 s=2.5mm, b=11.7cm
HI 622140



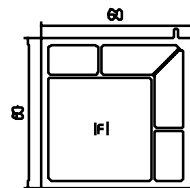
140243 → 70mm
HI 62240, 62240



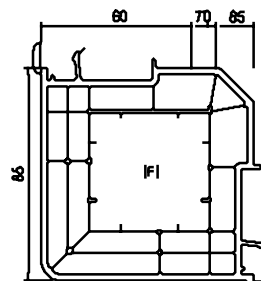
140267 → 70mm



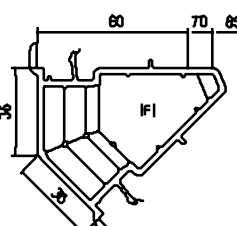
180267 → 85mm



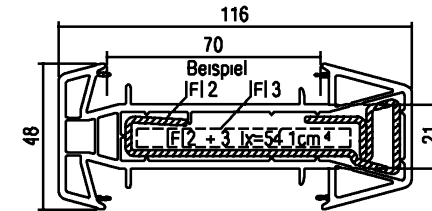
120275 90° → 60mm
IFI 229040 s=2.0mm, b=7.0cm
HI 622041



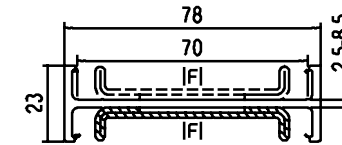
140248 90° → 60/70/85mm
IFI 229040 s=2.0mm, b=7.0cm
HI 622041



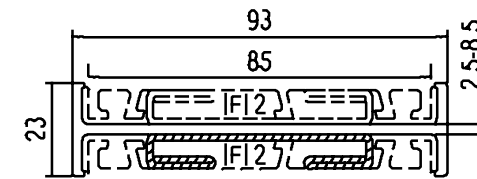
140249 135° → 60/70/85mm
IFI 248242 s=2.0mm, b=2.9cm
HI 622902



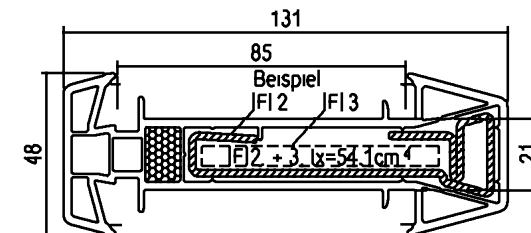
140218 → 70mm
IFI 1 229018 s=2.5mm, lx=24.8cm⁴
2 289218 s=2.0mm, lx=37.0cm⁴



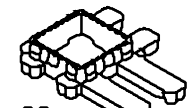
140267 → 70mm
IFI 1x 209900 s=1.5mm, lx=7.3cm⁴
2x 209900 s=1.5mm, lx=14.6cm⁴



180267 → 85mm
IFI 1 1x 209900 s=1.5mm, lx=7.3cm⁴
1 2x 209900 s=1.5mm, lx=14.6cm⁴
2 1x 289018 s=1.5mm, lx=6.6cm⁴
2 2x 289018 s=1.5mm, lx=13.2cm⁴

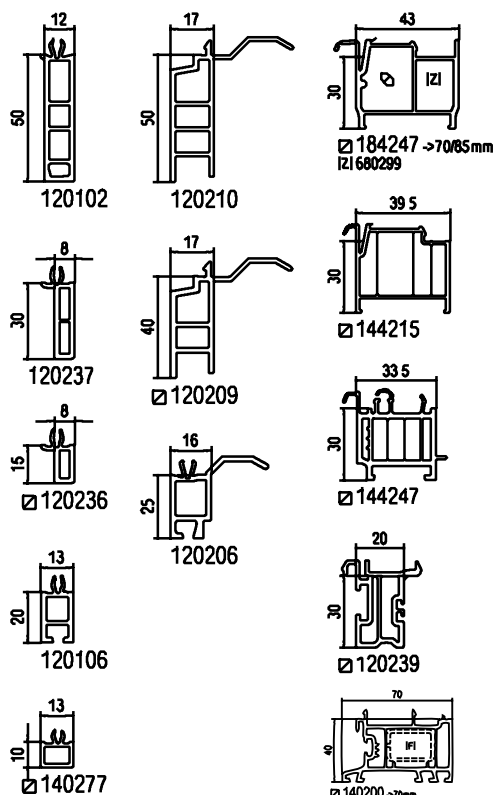


180218 → 85mm
IFI 1 229018 s=2.5mm, lx=24.8cm⁴
2 289218 s=2.0mm, lx=37.0cm⁴

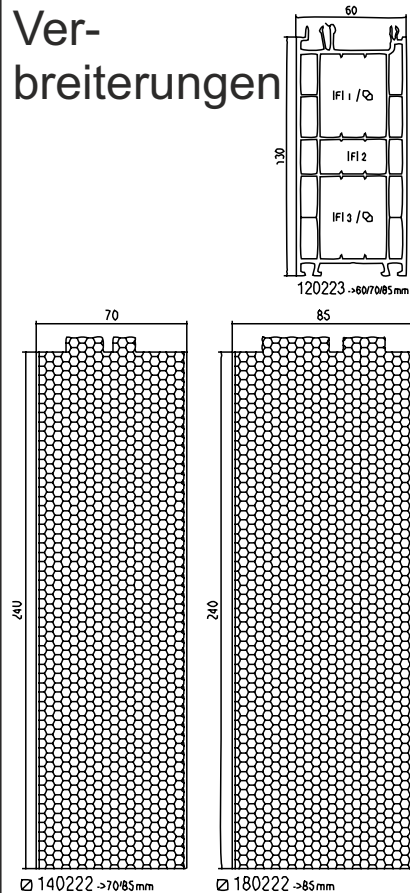


gn
645050 5mm
Allgemein
→ Kopplungen

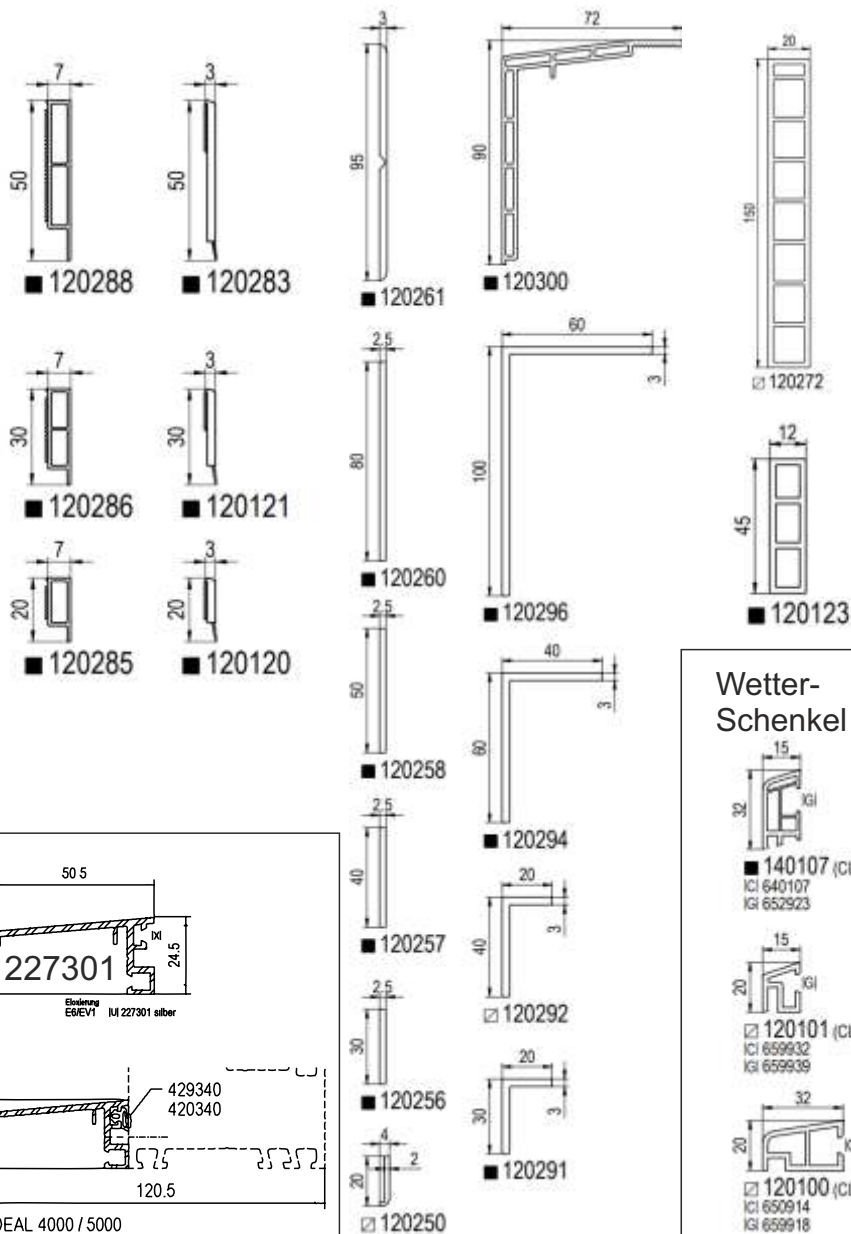
Anschlüsse



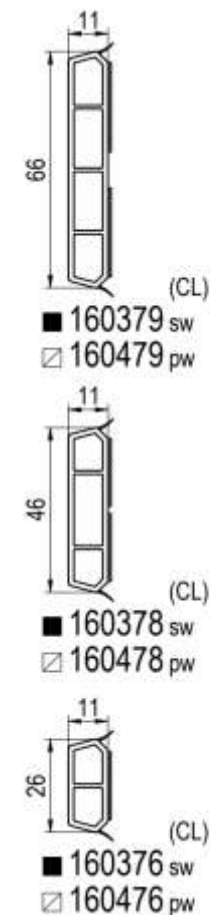
Estrich-Verbreiterungen



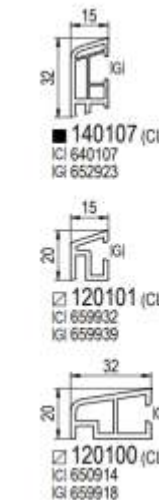
Abdeck- und L-Profile



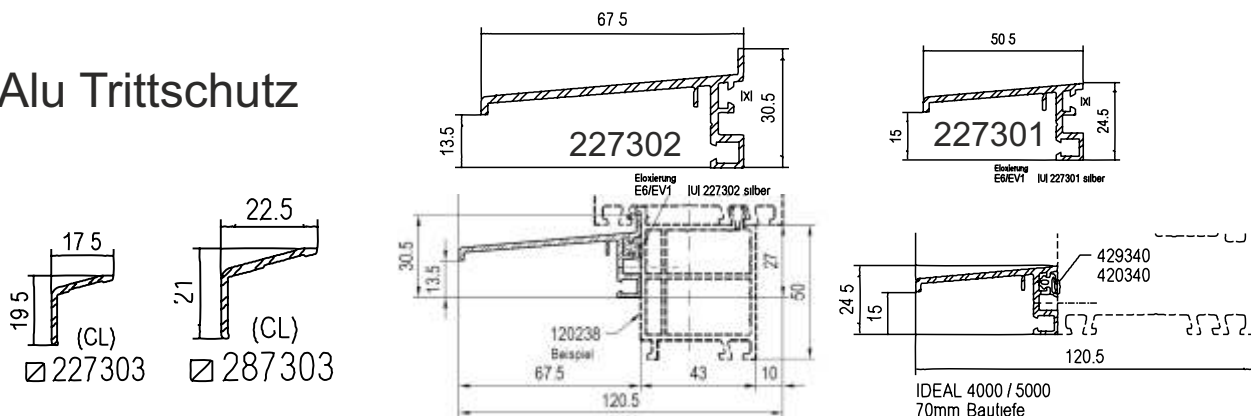
Sprossen

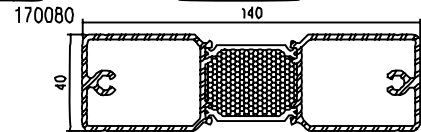


Wetter-Schenkel

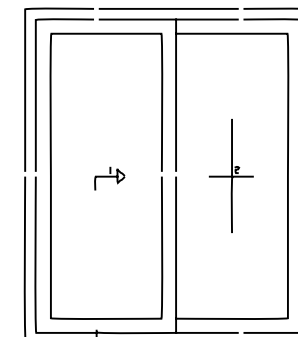


Alu Trittschutz

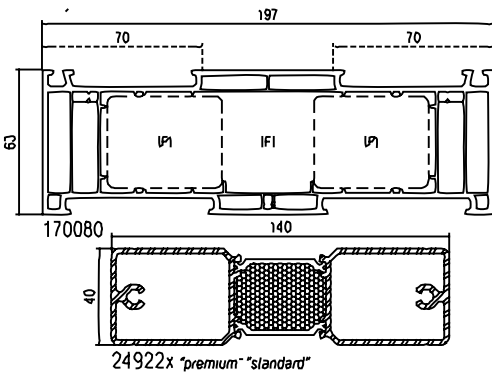




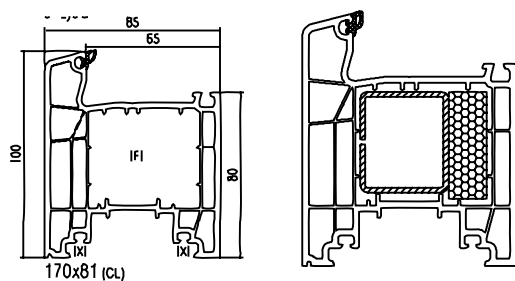
Technical drawing of a car seat cross-section. The drawing shows the seat's profile with various dimensions and labels. The total height is 48. The seat width is 27911x "premium". The seat depth is 197. The seat backrest is labeled ISI. The seat base is labeled GFK(GRP).

[illegible]

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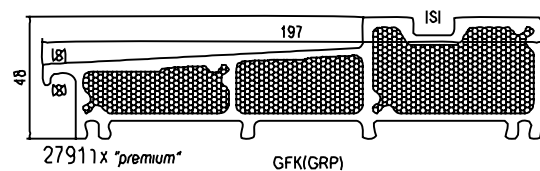


Rahmen 170080
Stahl 24922x

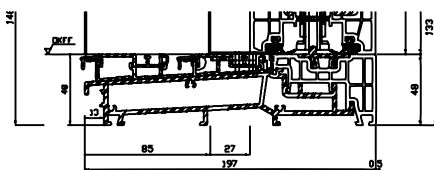


Flügel Schaum-Isoliert 170x81

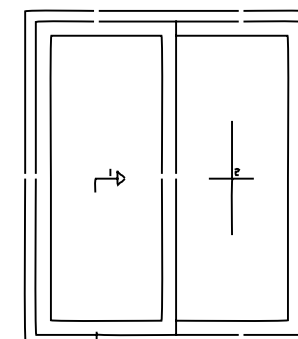
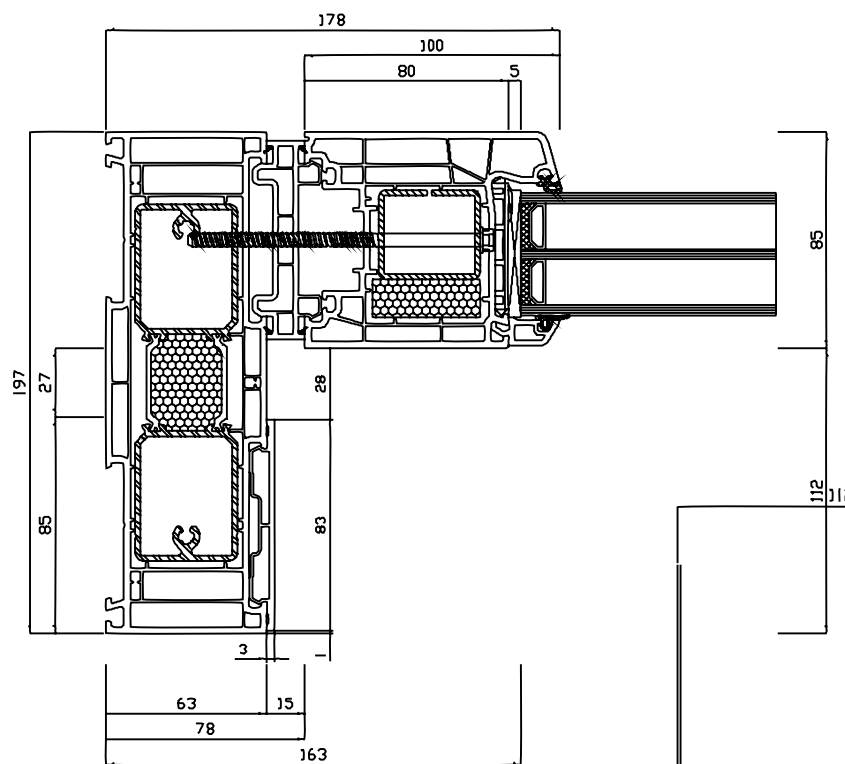
Schwelle Basic 27712x ALU/PVC



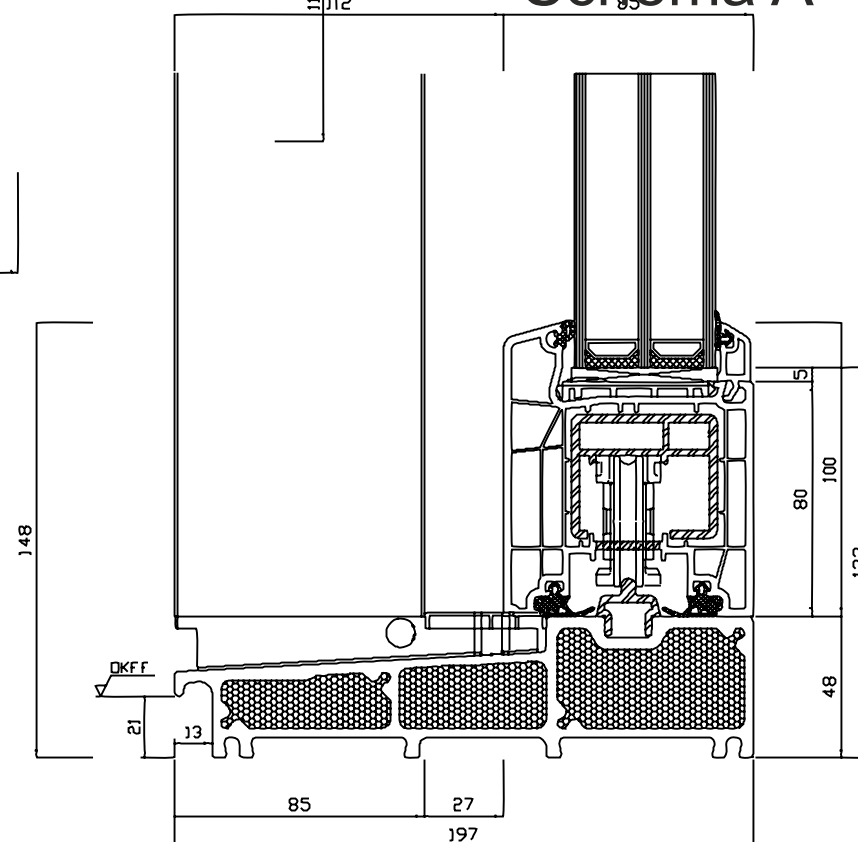
Schwelle Premium 27911x GFK

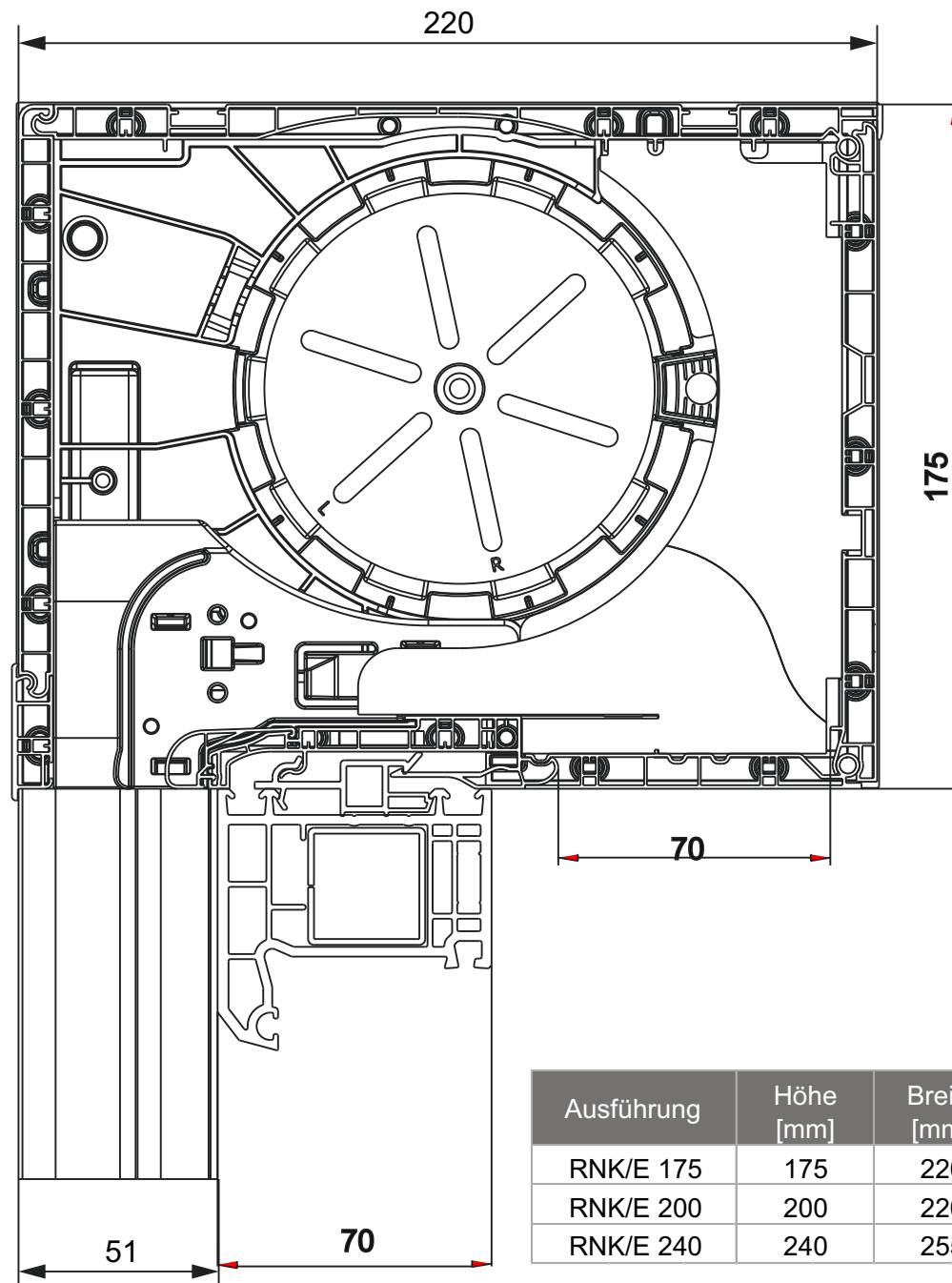


Bodengleiche Schwelle
277107 Alu + 2x277106 Alu

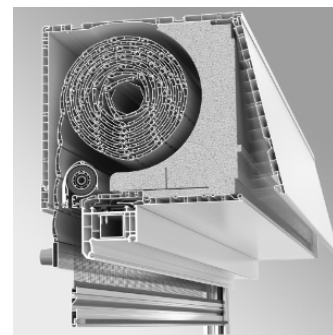


Schema A

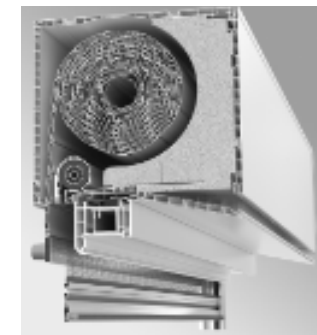




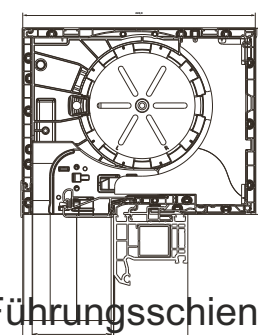
Revisionsklappe: innen



innen / unten

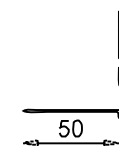
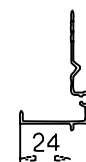


aussen

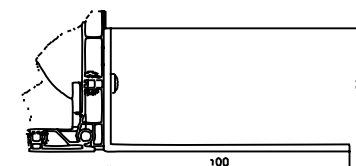


Führungsschiene
breit 86mm !

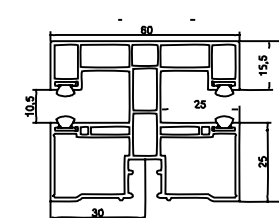
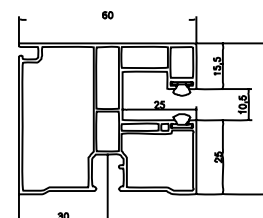
Putzleisten aussen ALU



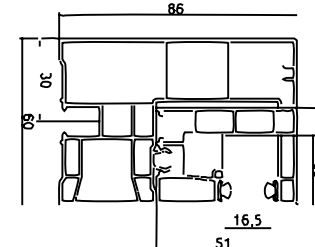
innen PVC 100mm



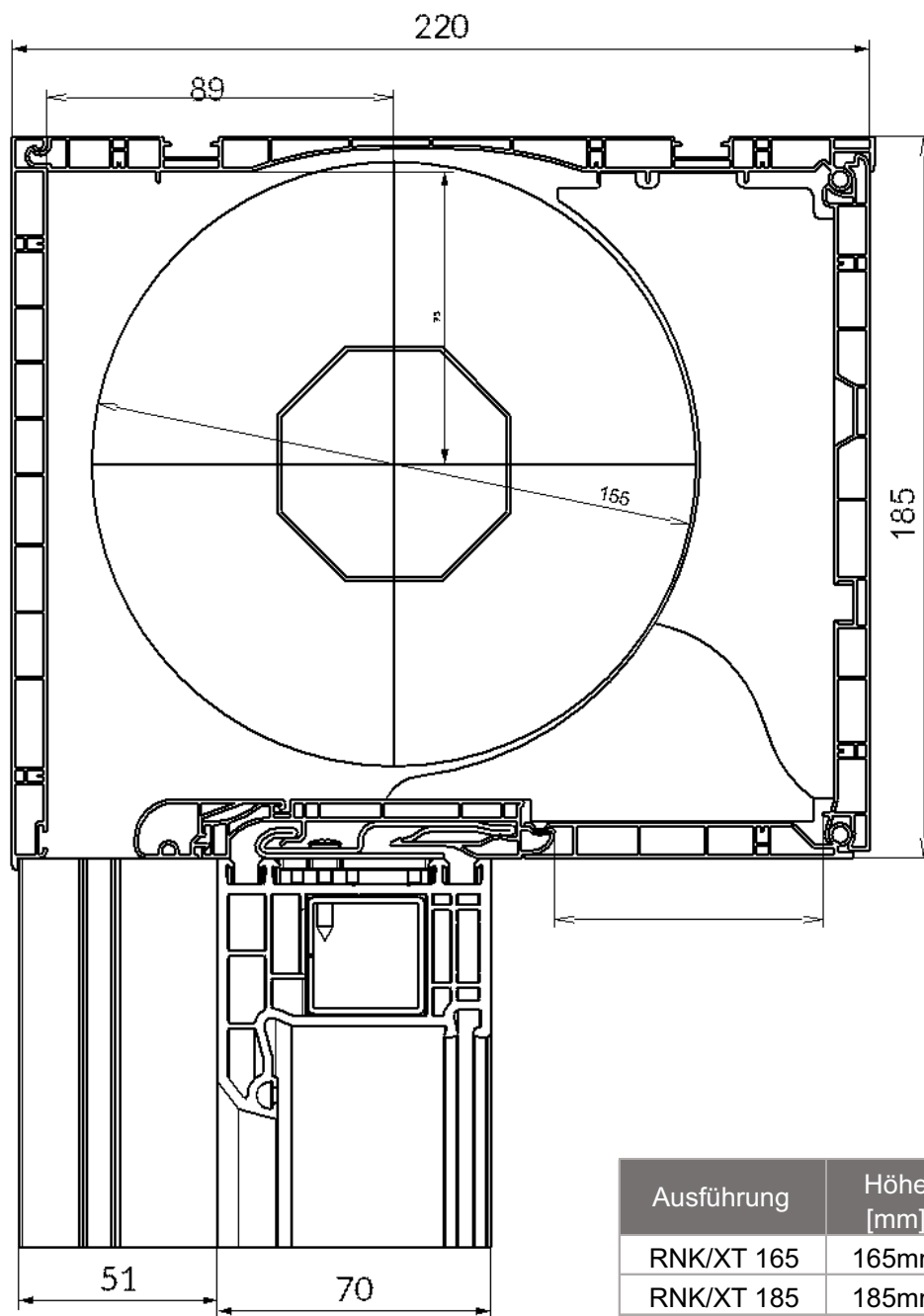
Führungsschienen Standard
U 51x60mm H51x60mm



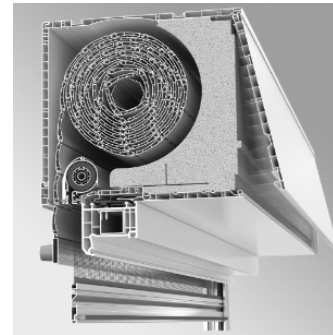
Revision aussen
U86x60mm



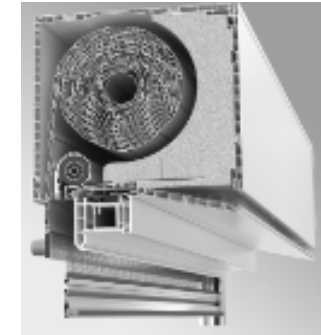
Ausführung	Höhe [mm]	Breite [mm]	Usb [W/m².K]	Max. Höhe inkl. Kasten	
				Panzer ALU 39 max 6m²	Panzer ALU 45 max 6,5m²
RNK/E 175	175	220	0,83	1850mm	1600mm
RNK/E 200	200	220	0,85	2800mm	2250mm
RNK/E 240	240	255	0,74	3900mm	3400mm



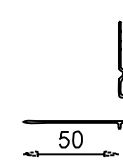
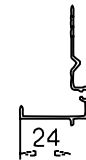
Revisionsklappe: innen



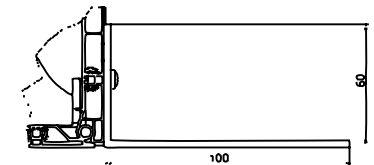
innen / unten



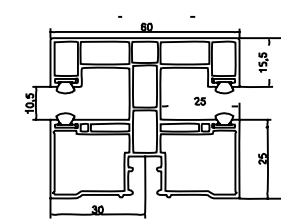
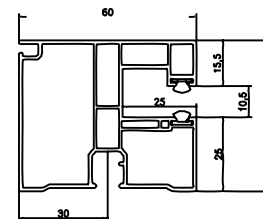
Putzleisten aussen ALU



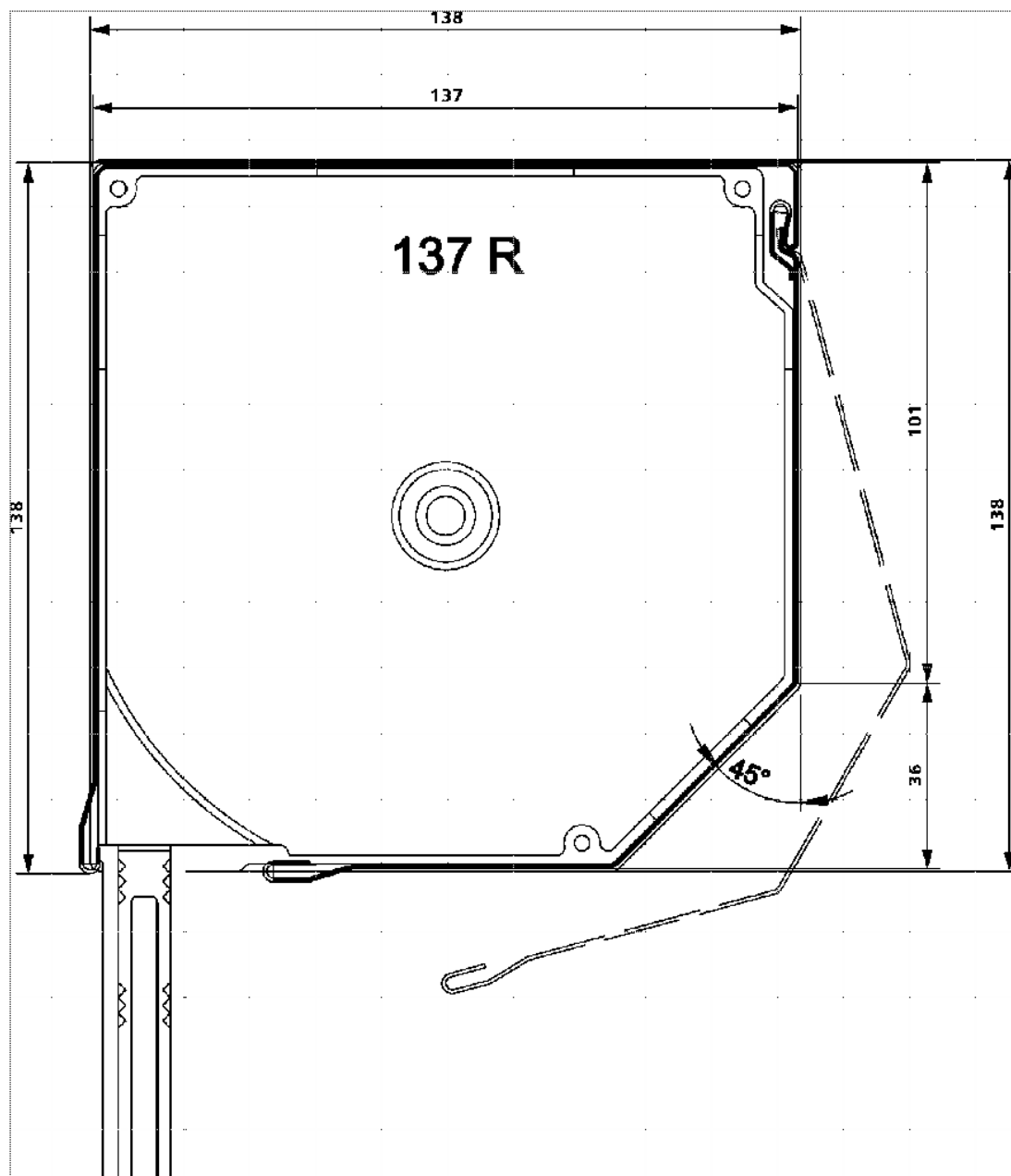
innen PVC 100mm



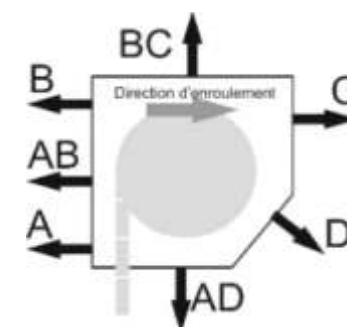
Führungsschienen Standard
U 51x60mm H51x60mm



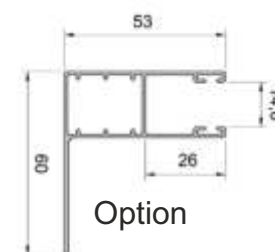
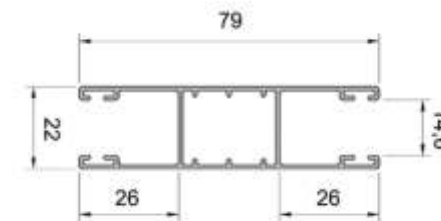
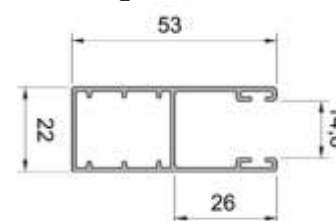
Ausführung	Höhe [mm]	Breite [mm]	Usb [W/m².K]	Max. Höhe inkl. Kasten	
				Panzer ALU 39 max 6m²	Panzer ALU 45 max 7m²
RNK/XT 165	165mm	220mm	0,81	1690mm	1440mm
RNK/XT 185	185mm	220mm	0,85	2470mm	2300mm
RNK/XT 220	220mm	255mm	0,84	2500mm	3200mm



Kabelausgänge

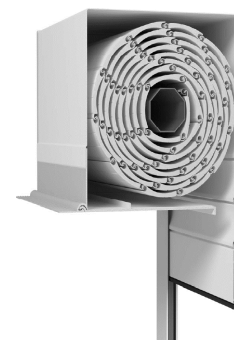
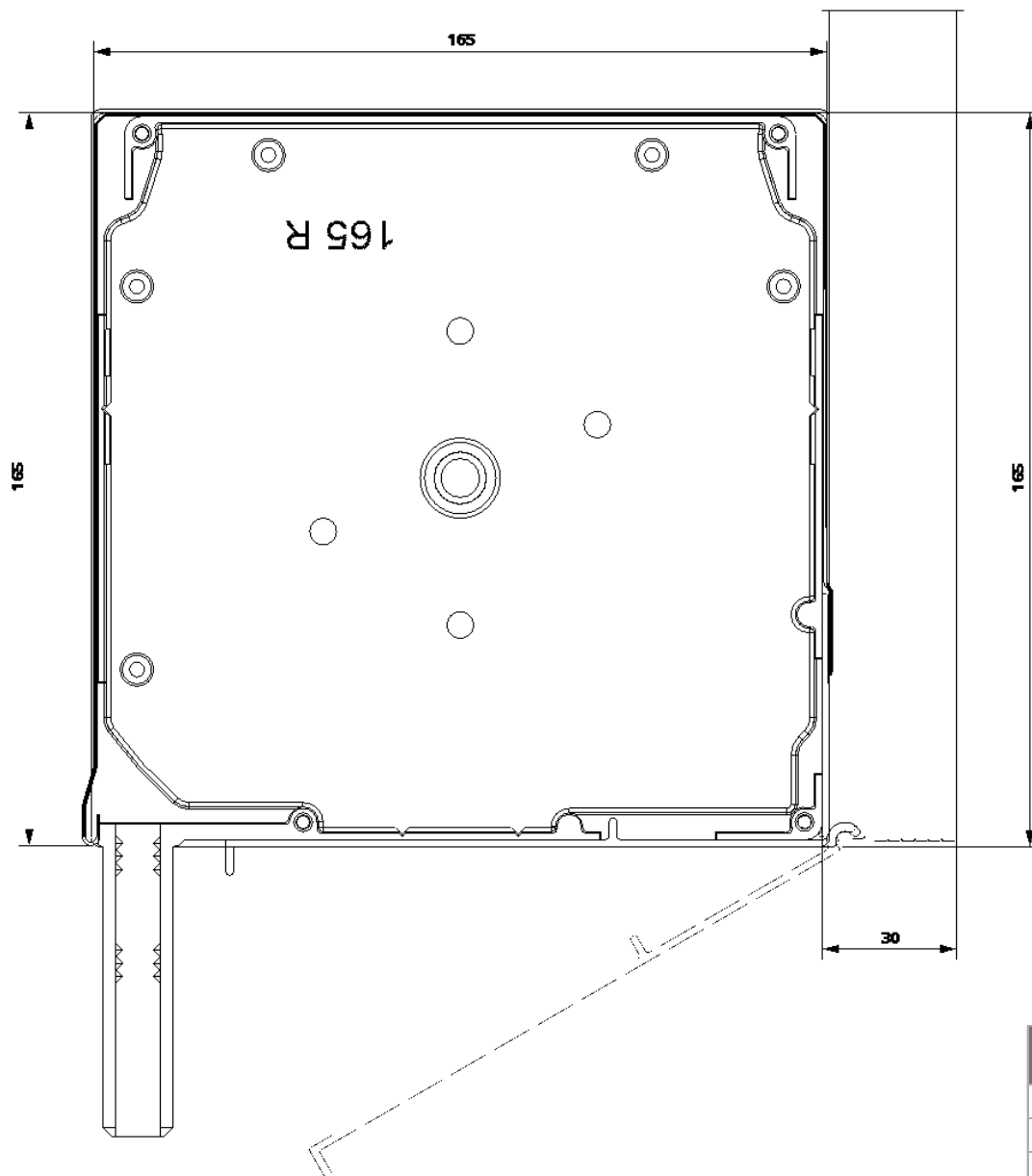


Führungsschienen

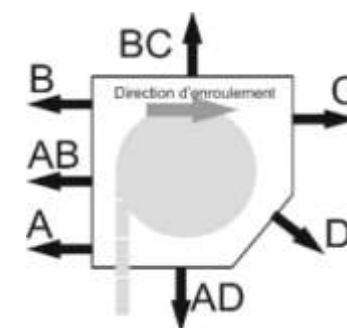


Option

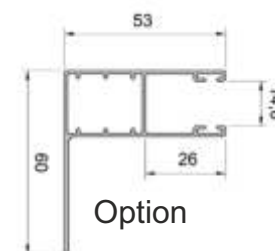
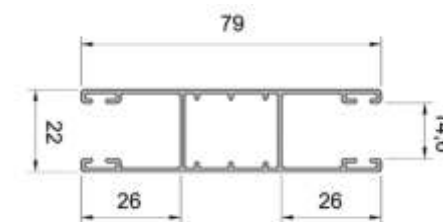
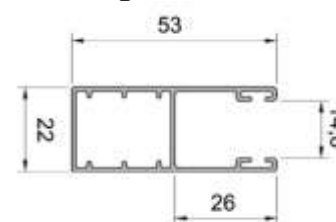
Ausführung	Höhe [mm]	Breite [mm]	Usb [W/m ² .K]	Max. Höhe inkl. Kasten	
				Panzer ALU 39 max 6m ²	Panzer ALU 45 max 7m ²
RAS 125	125	125	N/A	1280mm	-
RAS 137	137	137	N/A	1600mm	1150mm
RAS 150	150	150	N/A	1990mm	1250mm
RAS 165	165	165	N/A	2470mm	1660mm
RAS 180	180	180	N/A	3020mm	2210mm
RAS 205	205	205	N/A	4300mm	3480mm



Kabelausgänge



Führungsschienen

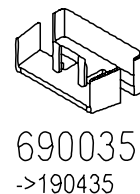
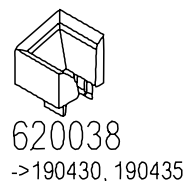
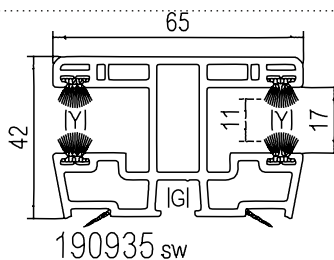
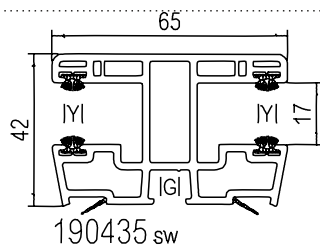
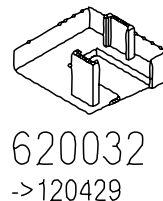
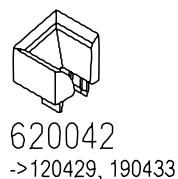
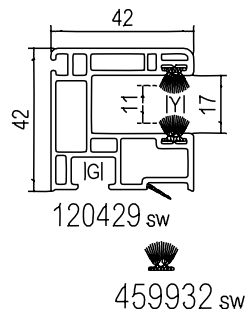


Option

Ausführung	Höhe [mm]	Breite [mm]	Usb [W/m².K]	Max. Höhe inkl. Kasten	
				Panzer ALU 39 max 6m²	Panzer ALU 45 max 7m²
RAK/E 137	137	137	N/A	1600mm	1150mm
RAK/E 165	165	165	N/A	2470mm	1660mm
RAK/E 180	180	180	N/A	3020mm	2210mm
RAK/E 205	205	205	N/A	4300mm	3480mm

! Vorsicht Rolladen ist Spezifisch für diese Führungs-Schienen !

Option Erforderlich



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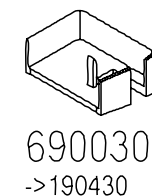
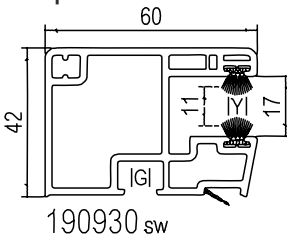
42

17

IGI

IYI

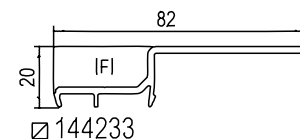
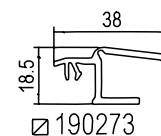
190430 sw



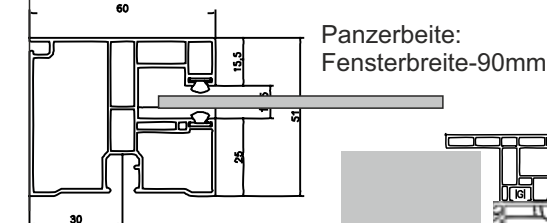
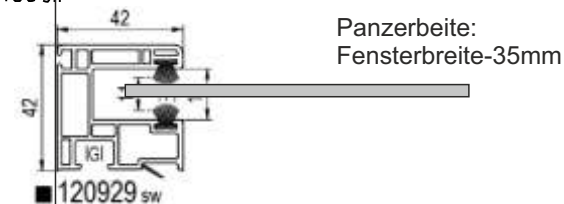
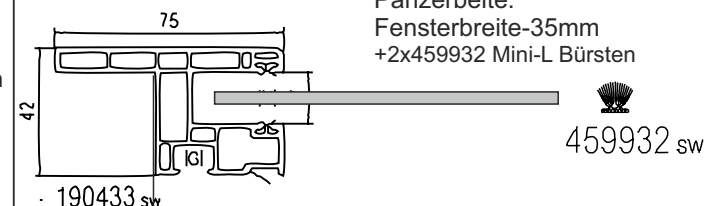
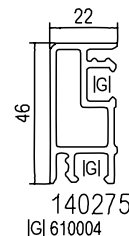
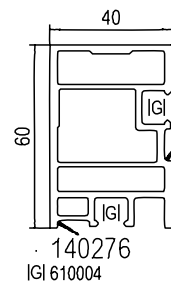
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Rollläden
Führungs-
Schienen
Verbreiterungen



Altbau renovations
System mit 190433
Führungsschiene

