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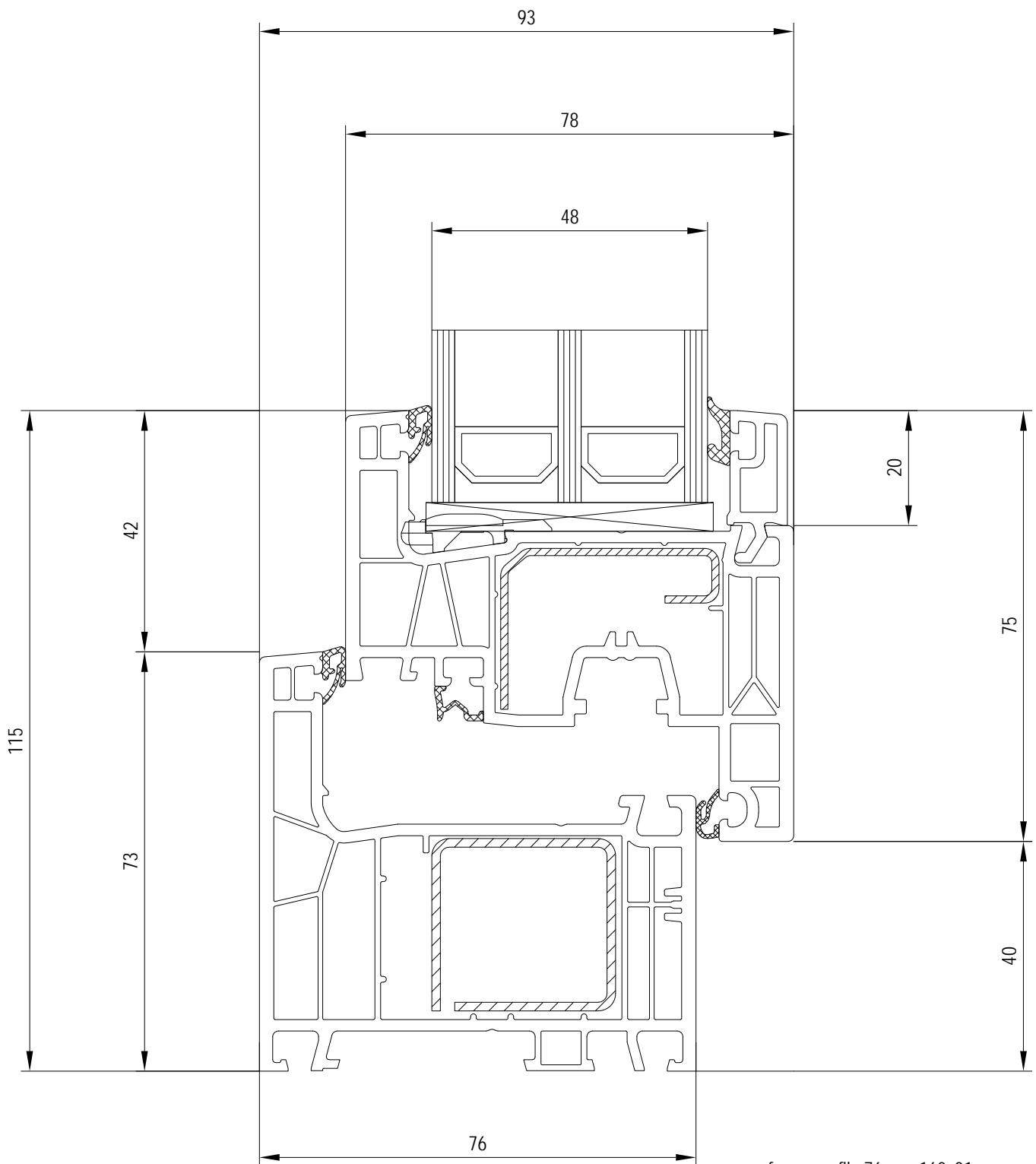
Adres do korespondencji:
Gołężycka 25A . 61-357 Poznań

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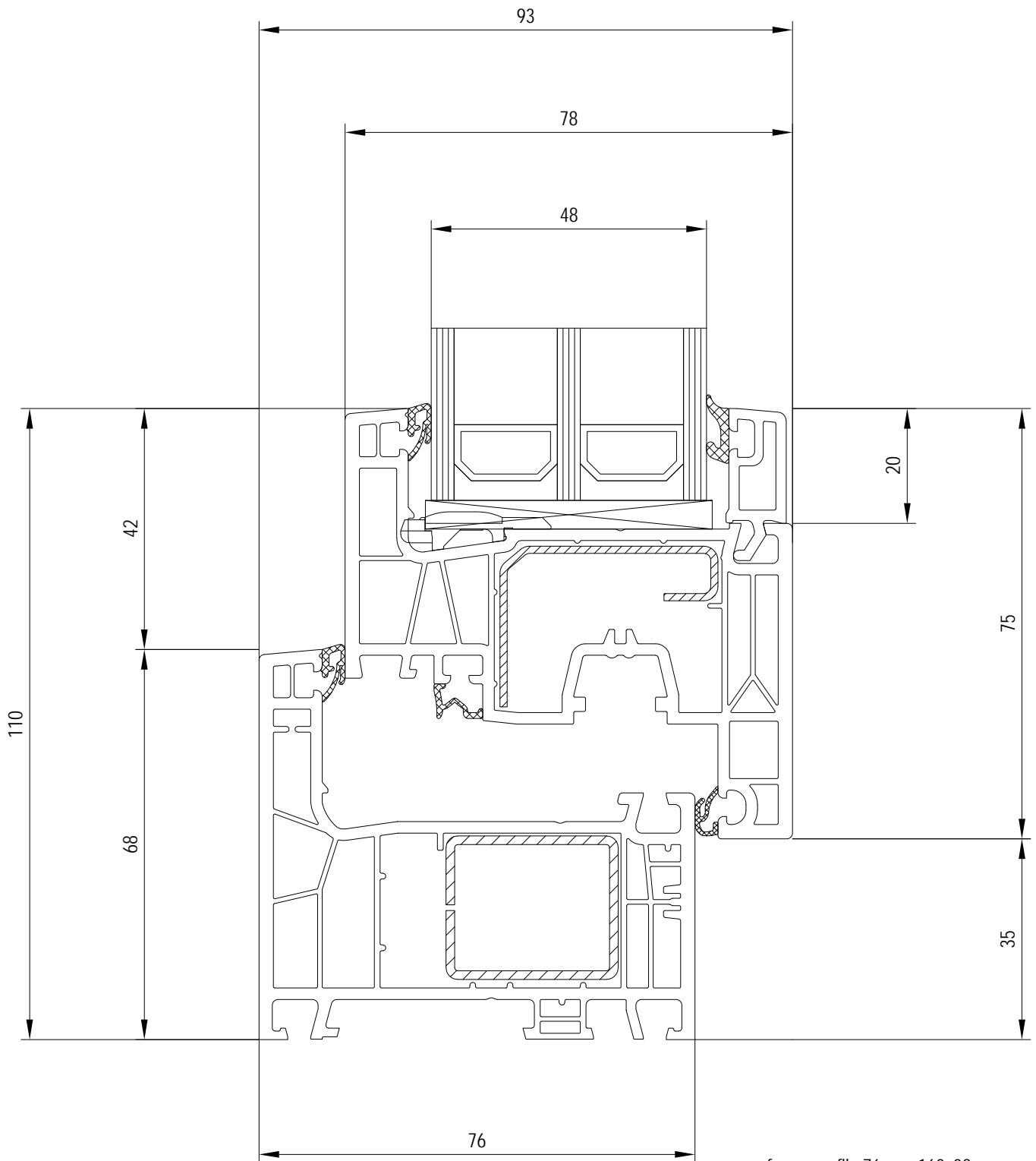
Program IDEAL 2026

2025-09

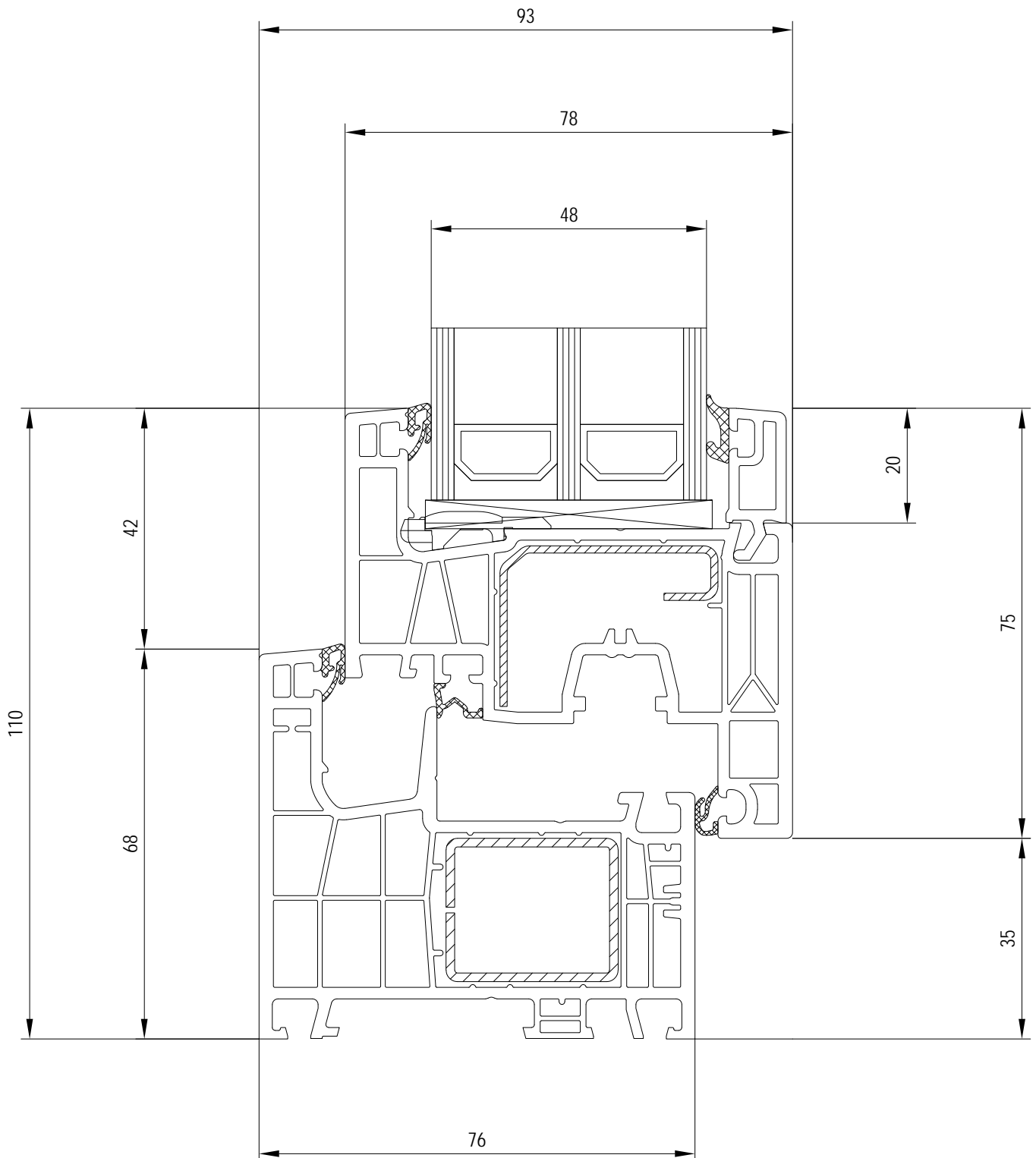




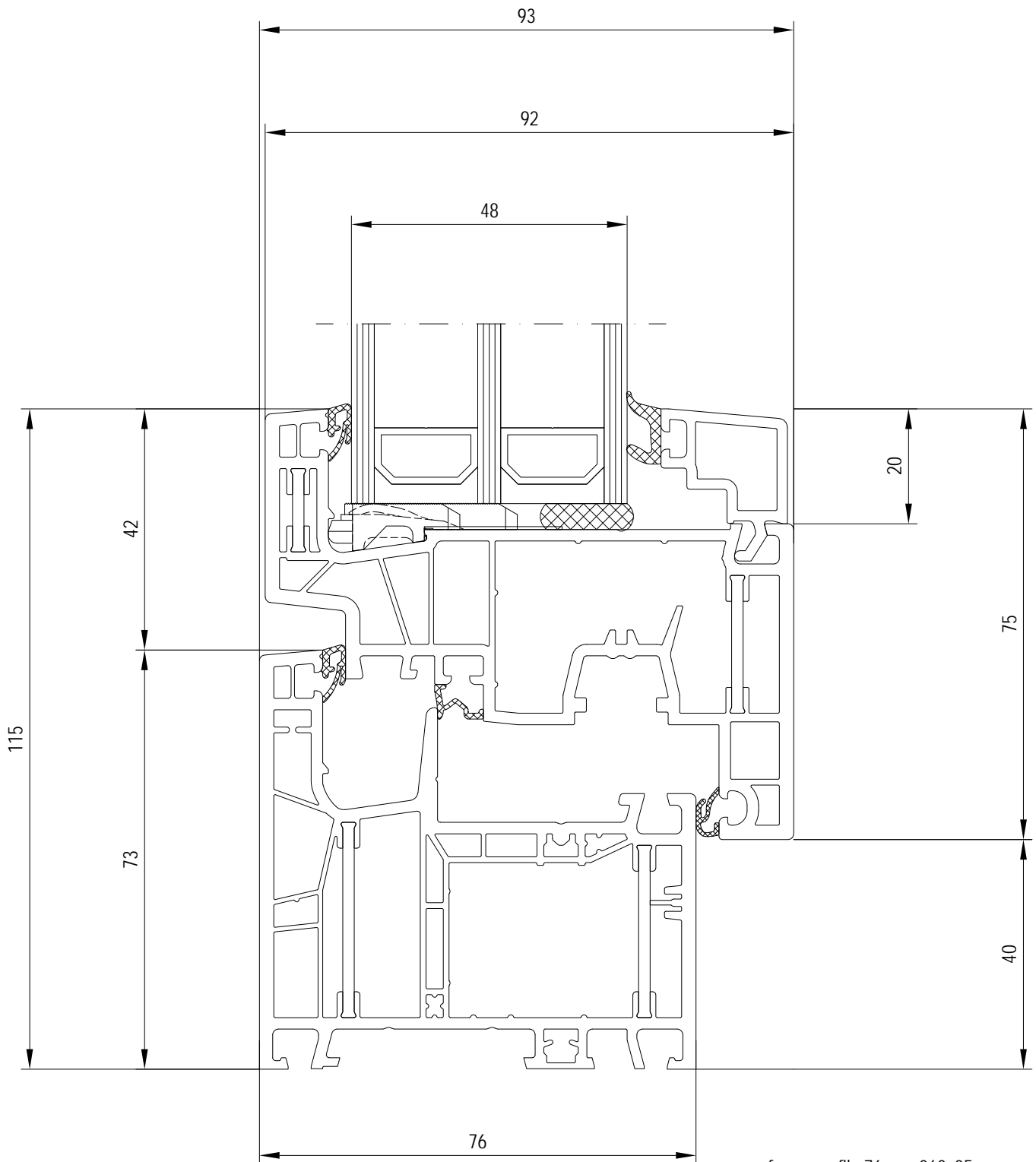
frame profile 76mm: 160x01
 sash profile 78mm: 160x20
 glazing bead: 150832



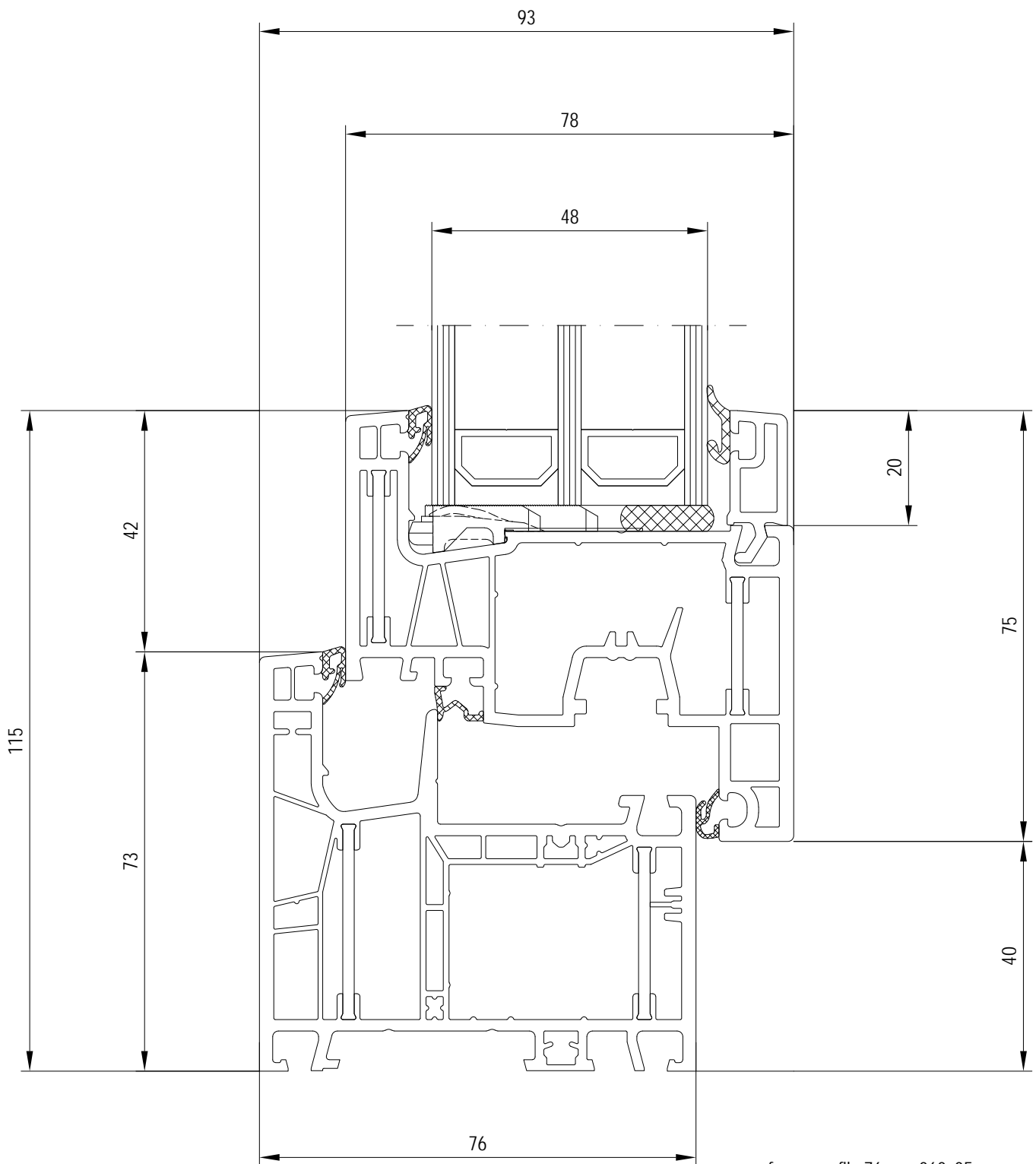
frame profile 76mm: 160x03
 sash profile 78mm: 160x20
 glazing bead: 150832



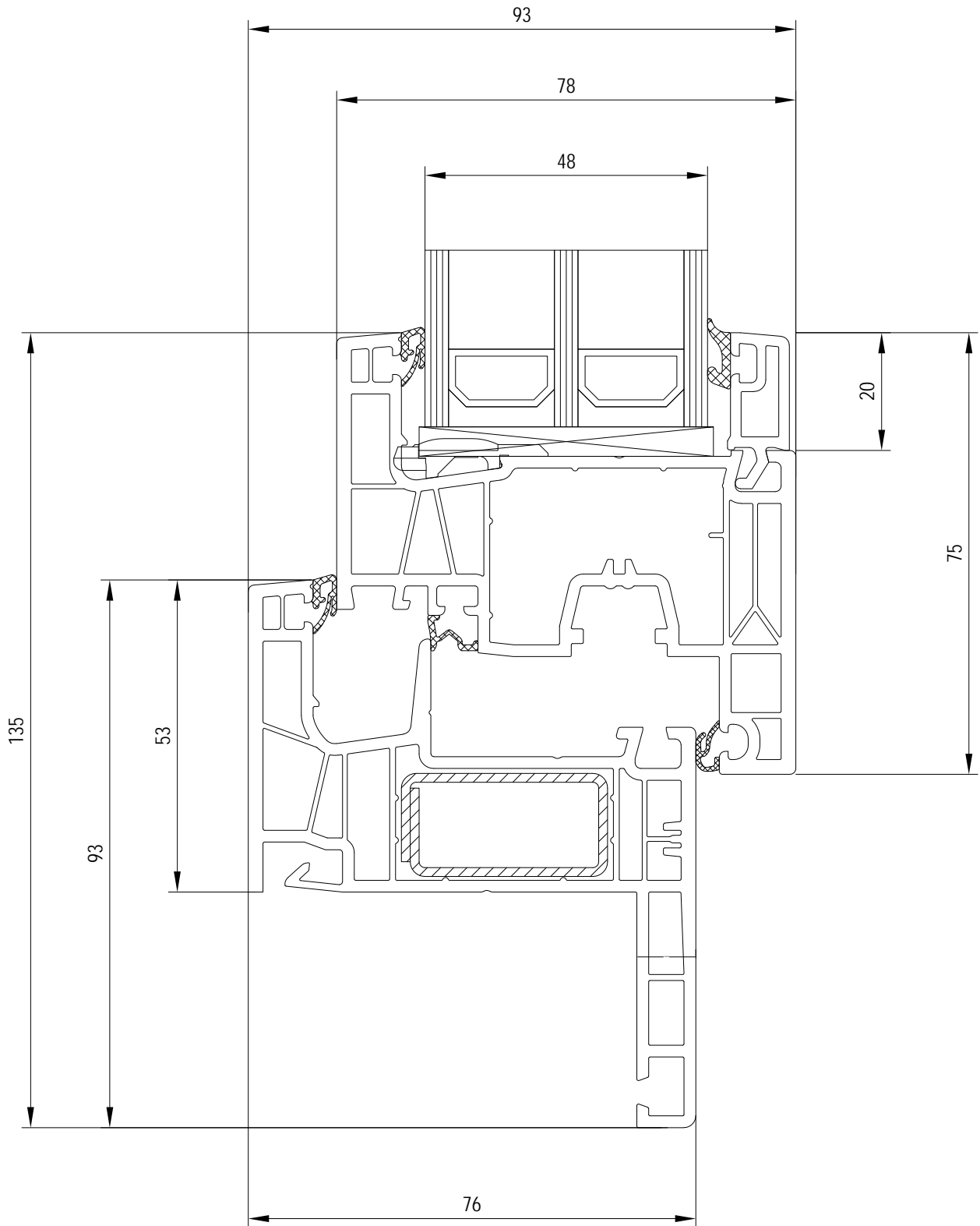
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 sash profile 78mm: 160x20
 glazing bead: 150832



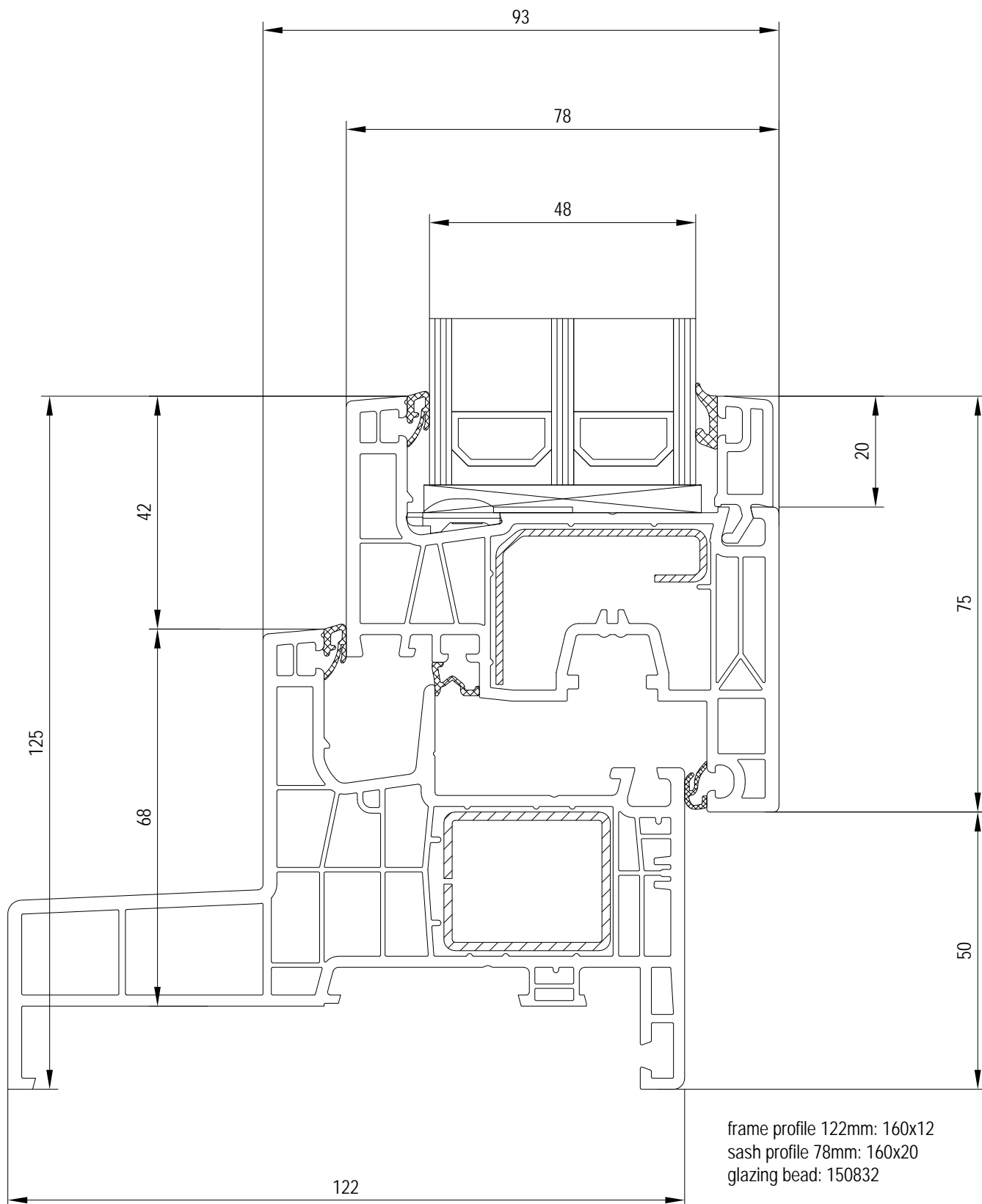
frame profile 76mm: 060x05
 sash profile 78mm: 060x27
 glazing bead: 150734



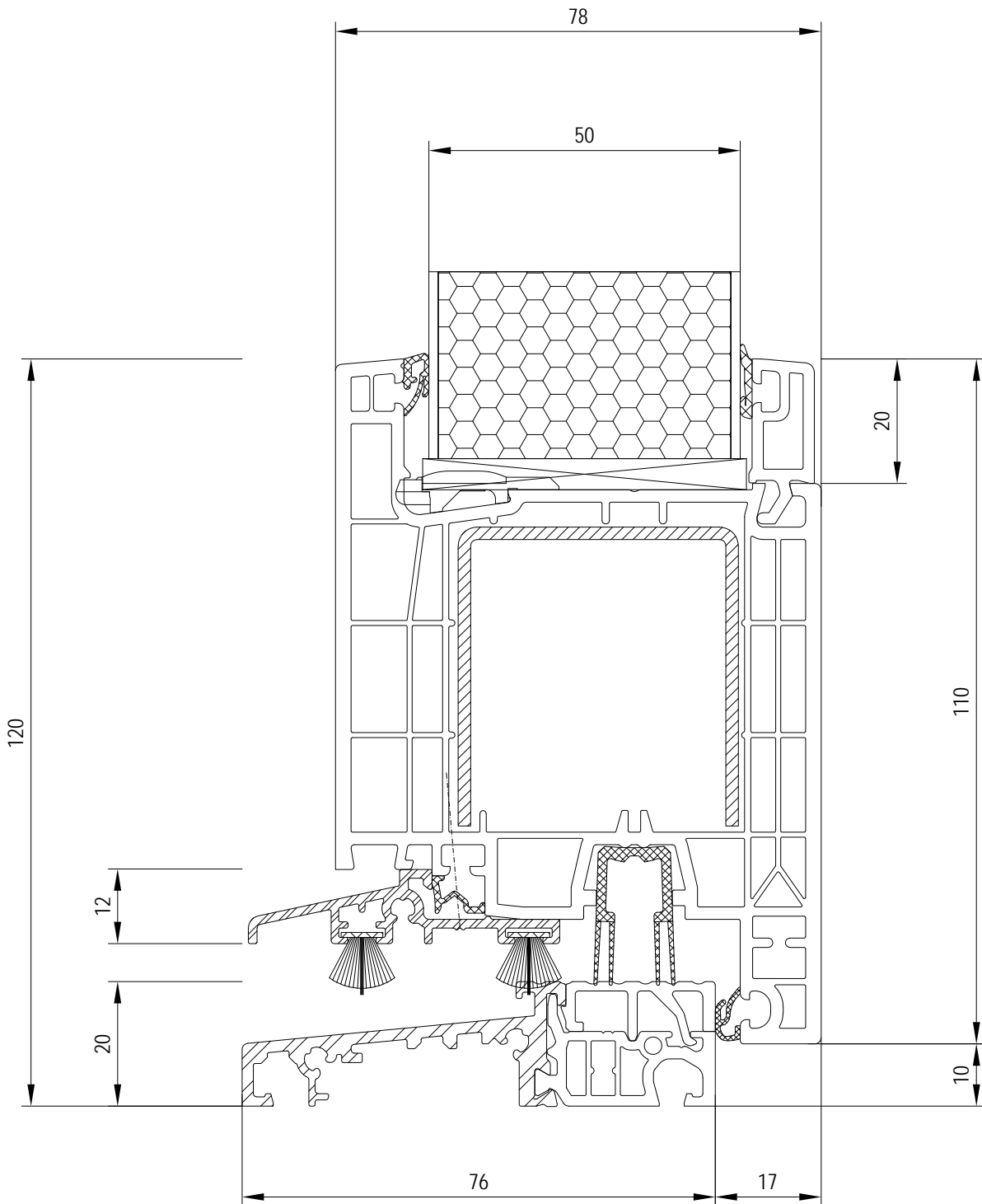
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 sash profile 78mm: 060x20
 glazing bead: 150832



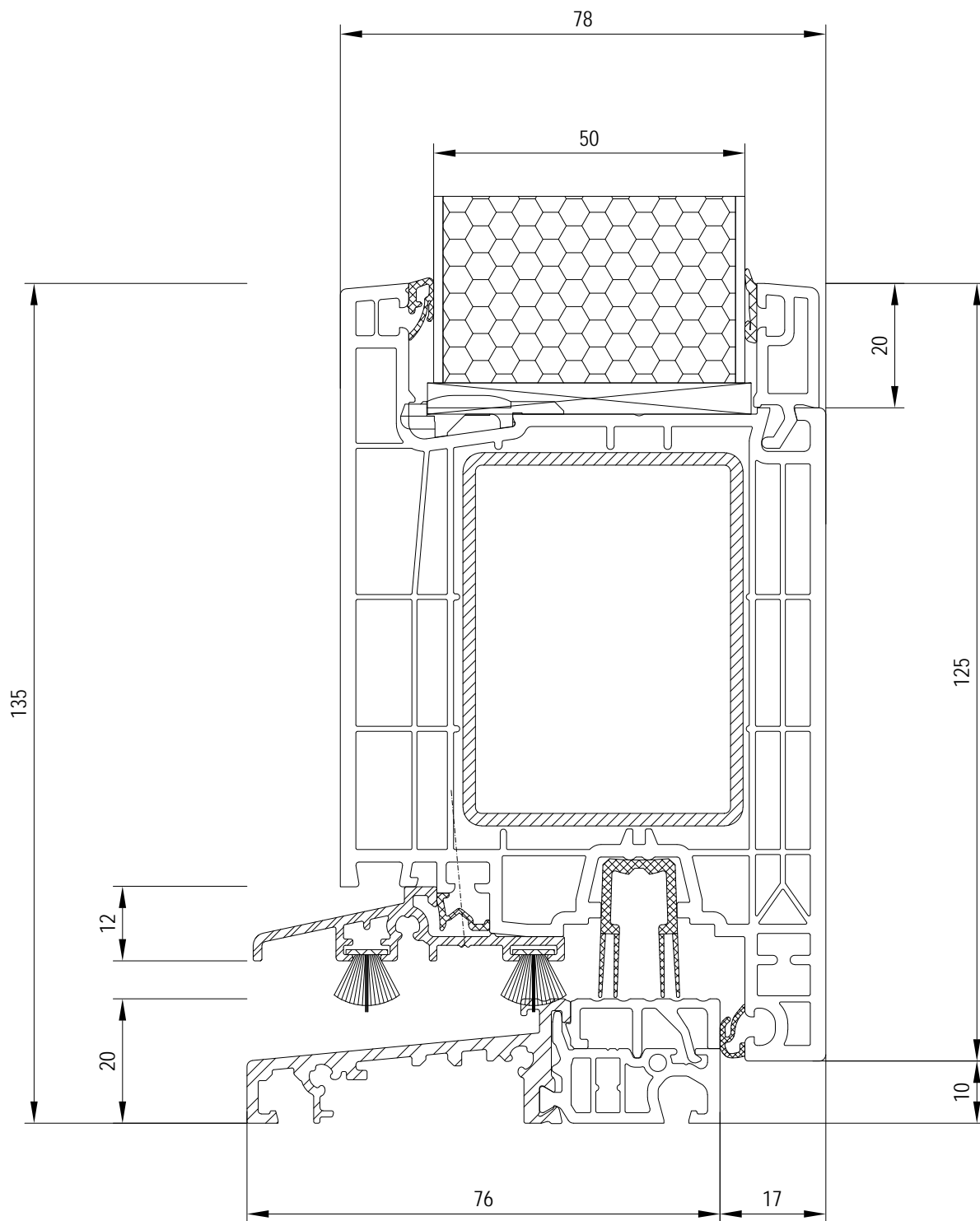
frame profile 76mm: 160x15
 sash profile 78mm: 160x20
 glazing bead: 150632



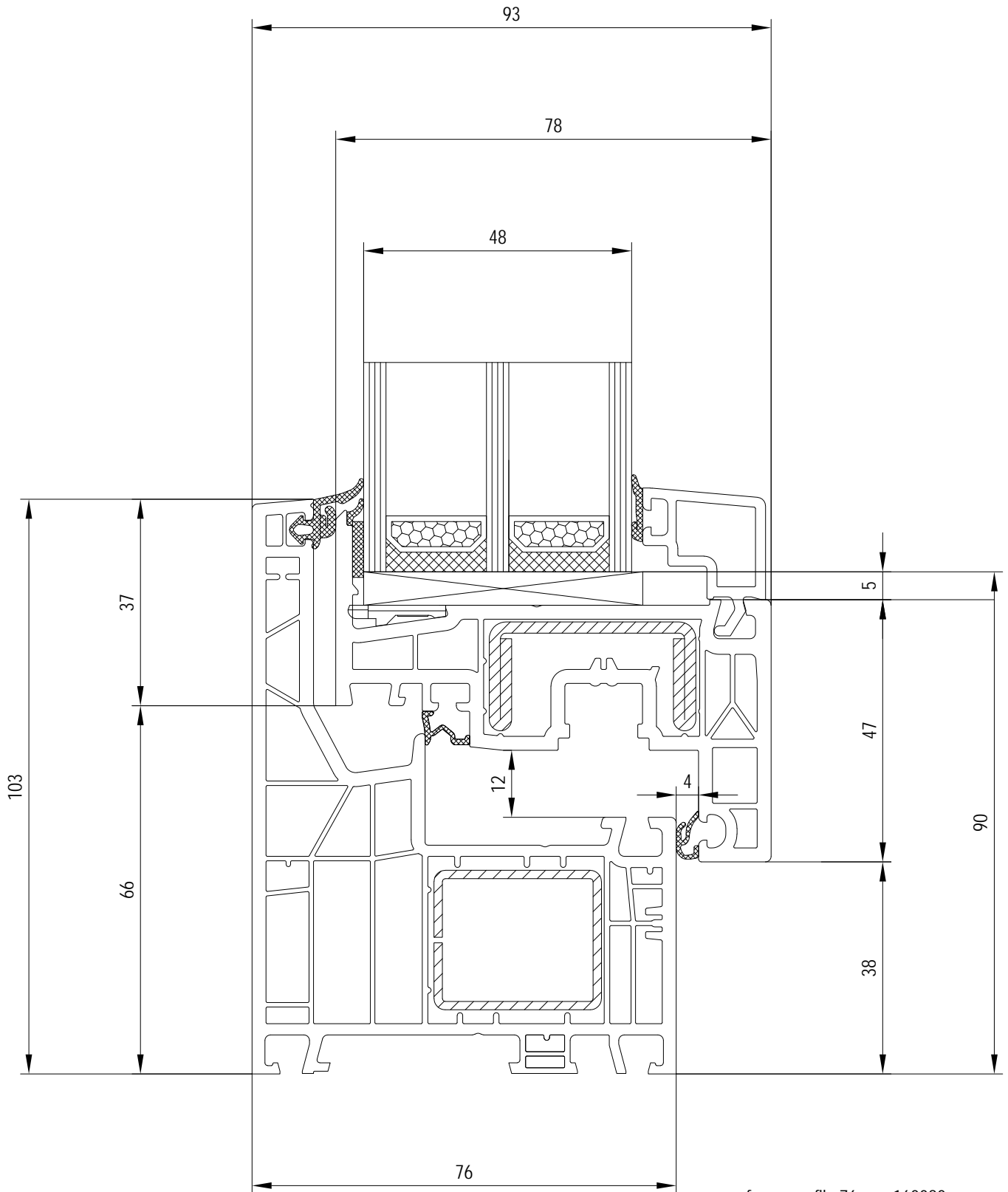
IDEAL NEO
profile section



sash profile 78mm: 160x30
 threshold profile 76mm: 267070
 glazing bead: 150632



sash profile 78mm: 160x33
 threshold profile 76mm: 267070
 glazing bead: 150632



frame profile 76mm: 160080
 sash profile 78mm: 160x81
 glazing bead: 150634



NEO VIEW
 profile section

neo
 □ neo prime □ neo prime +14
 ■ neo advance ■ neo prime curved
 ■ neo view -> ni.

System z uszczelnieniem środkowym
 System z uszczelnieniem zewnętrznym

neo prime - energeto neo - neo france

neo prime
 MD/AD 160x05/160x01 + 160x20 - przykład

neo prime - energeto neo - neo france

neo prime + neo prime curved
 MD/AD 160x05/160x01 + 160x39 - przykład

neo prime - energeto neo - neo france

neo prime + neo prime +14
 MD/AD 160x05/160x01 + 060x27 - przykład

neo prime - energeto neo - neo france

neo prime + neo advance
 MD/AD 160x05/160x01 + 190x20 - przykład

neo prime - energeto neo - neo france

neo prime + neo view
 MD/AD 160x05/160x01 + 160x81 - przykład

neo prime - energeto neo - neo france

neo - neo advance
 □ neo prime □ neo prime +14
 ■ neo advance ■ neo prime curved
 ■ neo view

System z uszczelnieniem środkowym
 System z uszczelnieniem zewnętrznym

neo prime - energeto neo - neo france

neo advance
 MD/AD 190x05/190x01 + 190x20 - przykład

neo prime - energeto neo - neo france

neo advance + neo prime
 MD/AD 190x05/190x01 + 160x20 - przykład

neo prime - energeto neo - neo france

neo advance + neo prime curved
 MD/AD 190x05/190x01 + 160x39 - przykład

neo prime - energeto neo - neo france

neo advance + neo prime +14
 MD/AD 190x05/190x01 + 060x27 - przykład

neo prime - energeto neo - neo france

neo advance + neo view
 MD/AD 190x05/190x01 + 160x81 - przykład

neo prime - energeto neo - neo france

neo - neo view
 □ neo prime
 ■ neo advance
 ■ neo view -> ni.

System z uszczelnieniem środkowym

neo prime - energeto neo - neo france

neo view
 MD 160080 + 160x81 - przykład

neo prime - energeto neo - neo france

neo view + neo prime
 MD 160080 + 160x20 - przykład

Skrzydła ni. = wymagany

neo view + neo advance
 MD 160080 + 190x20 - przykład

Skrzydła ni. = wymagany

Kombinacje neo
 □ neo prime - energeto neo - neo france
 ■ neo advance □ neo prime +14
 ■ neo view -> ni. ■ neo prime curved

(CL) Classic-line
 (QL) Qube-line
 System z uszczelnieniem zewnętrznym
 System z uszczelnieniem środkowym



profile główne

ADrama

■ **160x00 (QL)**
-> stałe szklenie
IAI 660301, 669302
FI 249019
PI 269504

■ **160x03 (QL)**
IAI 660301, 669302
FI 269004, 299944, 299945
II 640441
PI 269504, 269511
QI 267501
UI 267070, 277070, 287070
OI 660977 IXI 466070
IVI 666370 -> UI 267070

■ **160x01 (QL)**
IAI 660301, 669302
FI 249014, 249015, 259105, 259106,
259107, 269066, 269067
II 640441
PI 269504, 269512
QI 267501
UI 267070, 277070, 287070
OI 640047 OI 660970 IXI 466070
IVI 666370 -> UI 267070
neo france: -> stałe szklenie

■ **160x02 (QL)**
IAI 660301, 669302
FI 229114, 229115, 269003
II 640441
PI 269504, 269513
QI 267501
UI 267070, 277070, 287070
OI 660970 IXI 466070
IVI 666370 -> UI 267070

neo prime / france

ADrama neo advance

■ **190x01 (CL)**
IAI 660301, 669302
FI 249014, 249015, 259105, 259106,
259107, 269066, 269067
II 640441
PI 289304, 299412
QI 287301, 287303
UI 277070, 287070
OI 680972 IXI 476080

MDrama

■ **160x07 (QL)**
IAI 665016, 662017
FI 269004, 299944, 299945
II 640441
PI 269504, 269511
QI 267501
UI 267070, 277070, 287070
OI 660977 IXI 466071
IVI 666371 -> UI 267070

■ **060x05 (QL)**
IAI 665016, 662017
FI 269004, 299944, 299945
II 640441
PI 269504, 269512
QI 267501
UI 267070, 277070, 287070
OI 660970 IXI 466071
ZI 1. 660291, 2. 660290

■ **160x05 (QL)**
IAI 665016, 662017
FI 249014, 249015, 259105,
259106, 259107
II 640441
PI 269504, 269512
QI 267501
UI 267070, 277070, 287070
OI 660970 IXI 466071
IVI 666371 -> UI 267070

■ **160x93 (QL)**
IAI 665016, 662017
FI 269109, 269111
II 640441
PI 269504, 269515
QI 267501
UI 267070, 277070, 287070
OI 660970 IXI 466071
IVI 666371 -> UI 267070

■ **160x92 (QL)**
IAI 665016, 662017
FI 269109, 269111
II 640441
PI 269504, 269516
QI 267501
UI 267070, 277070, 287070
OI 660970 IXI 466071
IVI 666371 -> UI 267070

neo prime / france

MDrama neo advance

MDrama neo view

■ **190x05 (CL)**
IAI 665016, 662017
FI 249014, 249015, 259105, 259106,
259107, 269066, 269067
II 640441
PI 289304, 299412
QI 287301, 287303
UI 277070, 287070
OI 680972 IXI 476081

■ **160080 (QL)**
-> Skrzydła ni.
IAI -
FI 269004, 299944, 299945
II 640441
QI 267501
UI 267070, 277070, 287070
OI 660980 IXI 466080
XI 407291, 409291
neo prime / neo advance:
XI 477025, 479025

MDrama renowacyjna

■ **160x15 (QL)**
IAI 665016, 662017
FI 229037
II 640441
PI 269504
QI 267501
IVI 666371 -> UI 267070

■ **160x13 (QL)**
IAI 665016, 662017
FI 269101, 269102
II 640441
QI 267501

■ **160x09 (QL)**
IAI 665016, 662017
FI 269101, 269102
II 640441
PI 269504
QI 267501
IVI 666371 -> UI 267070

■ **160x17 (QL)**
IAI 665016, 662017
FI 269101, 269102
II 640441
QI 267501

■ **160x130000010**
= obcięty neo france!

neo prime / france

MDrama monoblock

■ **160x11 (QL) (MB)**
IAI 665016, 662017
FI 666411
OI 660974
FI 269004, 299944, 299945
II 640441
QI 267501

■ **160x12 (QL) (MB)**
IAI 665016, 662017
OI 660412, 660418, 666411
FI 269004, 299944, 299945
II 640441
QI 267501

■ **160x14 (QL) (MB)**
IAI 665016, 662017
OI 660414, 660418, 666411
FI 269004, 299944, 299945
II 640441
QI 267501

■ **160x16 (QL) (MB)**
IAI 665016, 662017
OI 660316, 660416, 660418,
666411
FI 269004, 299944, 299945
II 640441
QI 267501

■ **160x18 (QL) (MB)**
IAI 665016, 662017
OI 660316, 660416, 660418,
666411
FI 269004, 299944, 299945
II 640441
QI 267501

neo prime / france

system wentylacji podstawowej

Basic Air max REGEL-air®
LI 689350 cza LI 630315
LI 687350 pbi komplet

uszczelka naprawcza

standard
XI 479025 cza
XI 477025 pbi

TPE
XI 479015 cza
XI 477015 pbi

neo view
XI 409291 cza
XI 407291 pbi

opcja
XI 449340 cza
XI 447340 pbi

opcja
XI 449343 cza
XI 447343 pbi

■ **szczeblina**
XI 459922 cza
XI 457922 pbi

PVC-P
XI 469019 cza
XI 467019 pbi

-> do
(CL) Classic-line
(QL) Qube-line

cza czarny
pbi papirusowa biel
bi biały

■ system z uszczelnieniem zewnętrznym
■ system z uszczelnieniem środkowym

● wklejane szyby opcja
● wklejane szyby wymagane

□ nie występuje w kolorze / okleinie
■ występuje w kolorze / okleinie
■ foam inside -> □

AI podkładka do szklenia
CI zaślepka
DI łącznik
DI łącznik bez kolnierzy
FI wzmocnienie
II ślizg
JI wklejane szyby
EI system wentylacji podstawowej
OI elementy pomocnicze
PI **aluskin** nakładka aluminiowa
QI aluminiowa osłona przyłgi
UI próg aluminiowy
VI łącznik progu
XI uszczelka
ZI pozostałe dodatki

profile główne

skrzydło nzi neo prime / france. Technical drawings for profiles 060x24, 160x24, 060x20, 160x20, 160x20, 160x20, 160x220, 160x220, 160x220. Includes dimensions and material codes.

profile główne

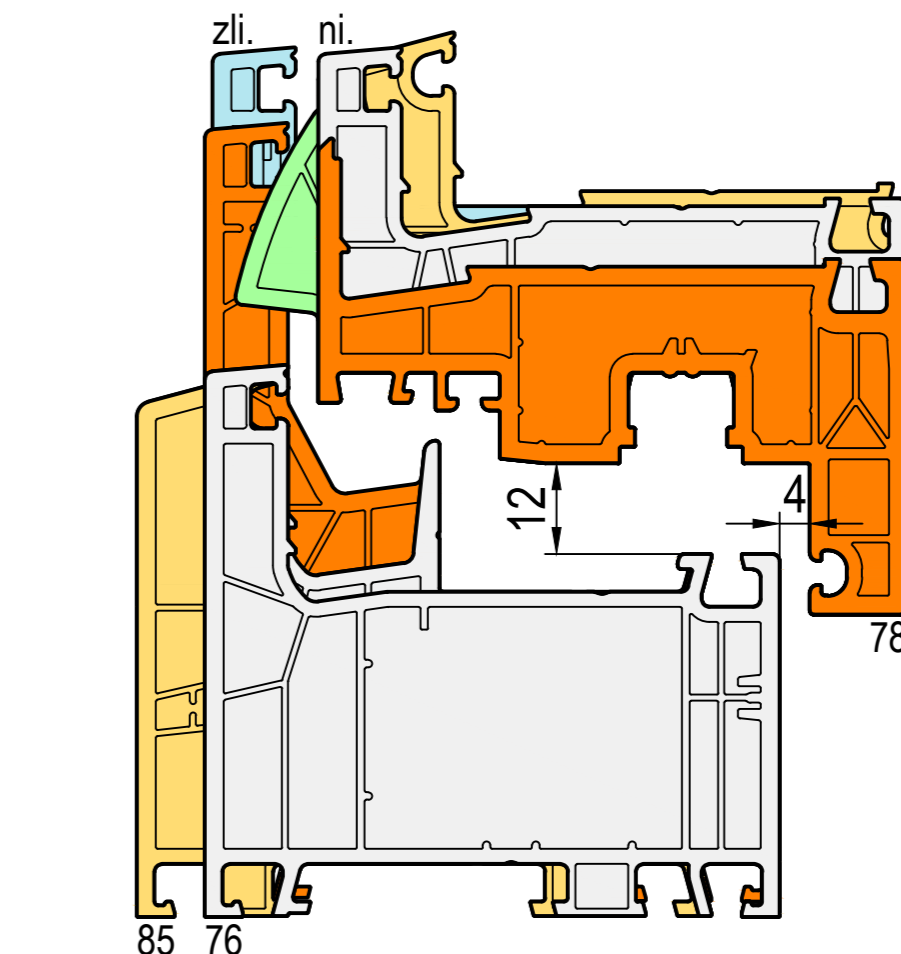
skrzydło przylimkowe nzi neo prime / france. Technical drawings for profiles 160x74, 160x70, 160x72, 160x72. Includes dimensions and material codes.

skrzydło nzi neo prime. Technical drawings for profiles 160x30, 160x31, 160x33, 160x35. Includes dimensions and material codes.

skrzydło przylimkowe pzl neo prime, skrzydło przylimkowe zi neo prime / france, skrzydło przylimkowe nzi neo view. Technical drawings for profiles 160x69, 060x77, 160x73, 160x83. Includes dimensions and material codes.

skrzydło pzl neo prime, skrzydło zi neo prime / france, skrzydło nzi neo advance, skrzydło nzi neo view. Technical drawings for profiles 160x39, 060x27, 160x23, 190x20, 160x81. Includes dimensions and material codes.

Systemy uszczelnienia i wentylacji. Includes diagrams for Basic Air max, REGEL-air, and various seals and gaskets. Lists options like 'nie występuje w kolorze / okleinie' and 'foam inside'.



profile główne

MD słupek neo prime / france

■ **160x46 (QL)**
IA| 665016, 662017
ID| 667046, 667146 -> MD65
IO| 660950
IX| 669034 cza
II| 660034 bi
ID| 640046 -> uniwersalny
FI| 269043, 269046, 269047
II| 640441
PI| 269543
IU| 267070, 277070, 287070
OI| 660971 IX| 466075

neo france:
IU| 267074
OI| 660971 IX| 466075

MD słupek neo advance

■ **160x45 (QL)**
IA| 665016, 662017
ID| 667045, 667145 -> MD65
IO| 660950
IX| 669032 cza
II| 660032 bi
ID| 640046 -> uniwersalny
FI| 269041, 269045
II| 640441
PI| 269541
IU| 267070, 277070, 287070
OI| 660971 IX| 466074

neo france:
IU| 267074
OI| 660971 IX| 466074

AD słupek / szczelina neo prime

■ **160x43 (QL)**
IA| 660301, 669302
ID| 667043, 667143 -> AD65
IO| 660950
IX| 667096 -> M 67
II| 457922, 459922
ID| 640046 -> uniwersalny
FI| 269043, 269046, 269047
II| 640441
PI| 269543
IU| 267070, 277070, 287070
OI| 660971 IX| 466072

AD słupek / szczelina neo advance

■ **160x41 (QL)**
IA| 660301, 669302
ID| 667041, 667141 -> AD65
IO| 660950
IX| 667095 -> M 67
II| 457922, 459922
ID| 640046 -> uniwersalny
FI| 269041, 269045
II| 640441
PI| 269541
IU| 267070, 277070, 287070
OI| 660971 IX| 466073

szczelina nzl neo prime / france

■ **160x48 (QL)**
IA| 680252, 685251, 680250, 655251, 650252, 625253, 620250, 650250
ID| 667048 -> M 67
FI| 249046
IJ| 642261, 642262, 642263, 646265, 646266
PI| 269548
neo france: I|J| wklejana szyba

szczelina zI neo prime / france

■ **160x47 (QL)**
IA| -
ID| 667247 -> M 81
FI| 249046
IJ| 642261, 642262, 642263, 646265, 646266
PI| 269548
neo france: I|J| wklejana szyba

■ **160x48000012** neo france!
neo france: IA| podkładka do szklenia
#A| 680252 #B| 2mm

profile główne

słupek ruchomy neo prime

■ **160x66 (QL)**
CI| 660366 + 660466!
FI| 229063
PI| 269564
CI| 660564 + 660464!
! neo prime / neo advance - rama

słupek ruchomy neo prime / france

■ **160x64 (QL)**
CI| 660364 + 660464!
FI| 229063
PI| 269564
CI| 660564 + 660464!
! neo prime / neo advance - rama

słupek ruchomy neo prime / france

■ **160x97 (QL)**
-> skrzydło przymykowe
-> 060x77, 160x69, 160x70, 160x74
CI| 660097!
PI| 269597
CI| 660597!
neo france:
-> 060x77, 160x70, 160x72, 160x73, 160x74
neo view:
-> 160x83
! neo prime / neo advance - rama

słupek ruchomy neo advance

■ **160x66 (QL)**
CI| 660366 + 660466!
FI| 249014, 249015, 259105, 259106, 259107, 269066, 269067
PI| 269566
CI| 660566 + 660466!
! neo prime / neo advance - rama

słupek ruchomy neo view

■ **160086 (QL)**
-> skrzydło nzl
CI| 660386 + 660486 + 160080!
CI| 660383 + 660466 + IU!
FI| 249014, 249015, 259105, 259106, 259107, 269066, 269067
IX| 407291, 409291
neo prime / neo advance:
IX| 477025, 479025
! neo view - rama

słupek ruchomy neo view

■ **160084 (QL)**
-> skrzydło przymykowe nzl
CI| 660084 + 160080!
CI| 660085 + IU!
FI| 229107
IX| 407291, 409291
neo prime / neo advance:
IX| 477025, 479025
! neo view - rama

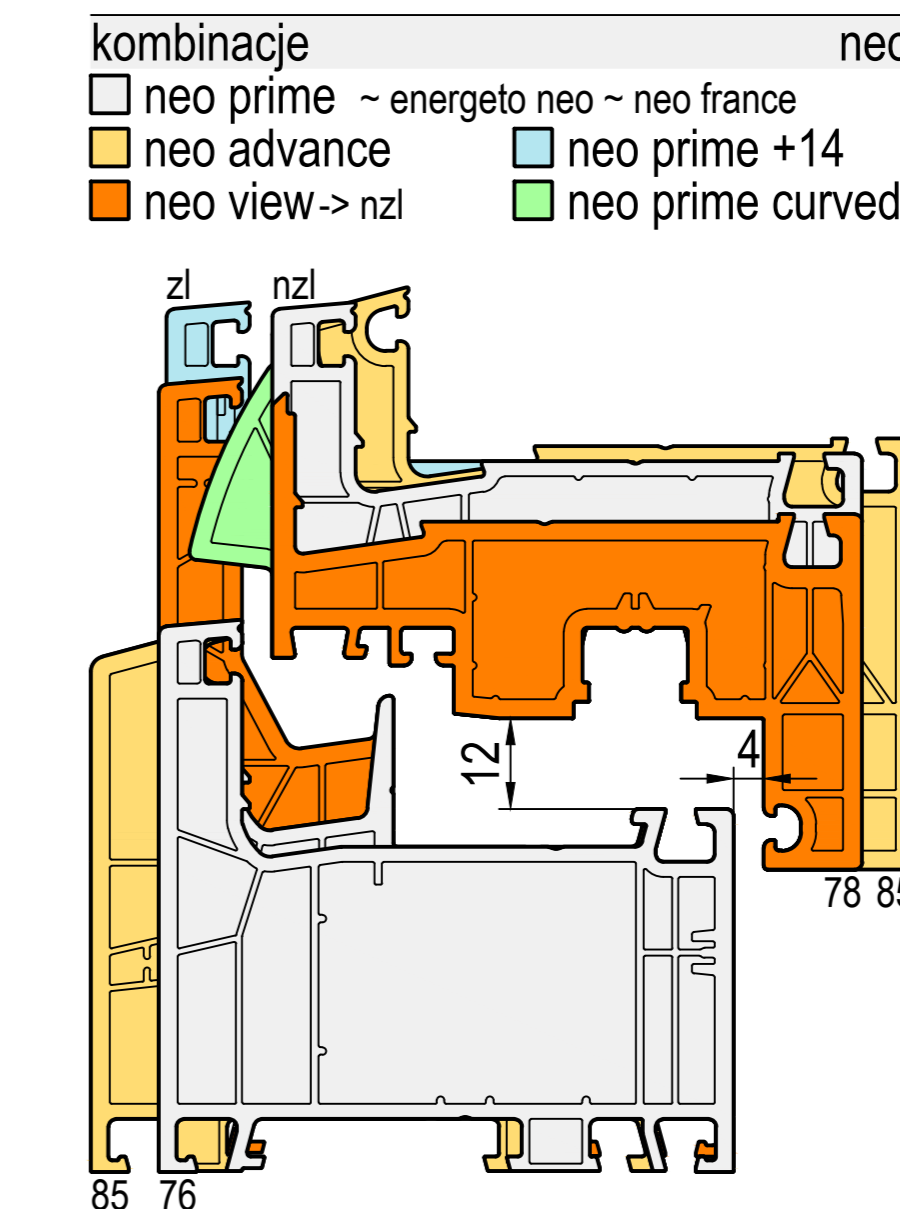
AD system z uszczelnieniem zewnętrznym
MD system z uszczelnieniem środkowym

system wentylacji podstawowej
Basic Air max REGEL-air®
IL| 689350 cza IL| 630315
IL| 687350 pbi komplet

nie występuje w kolorze / okleinie
występuje w kolorze / okleinie
foam inside -> [X]

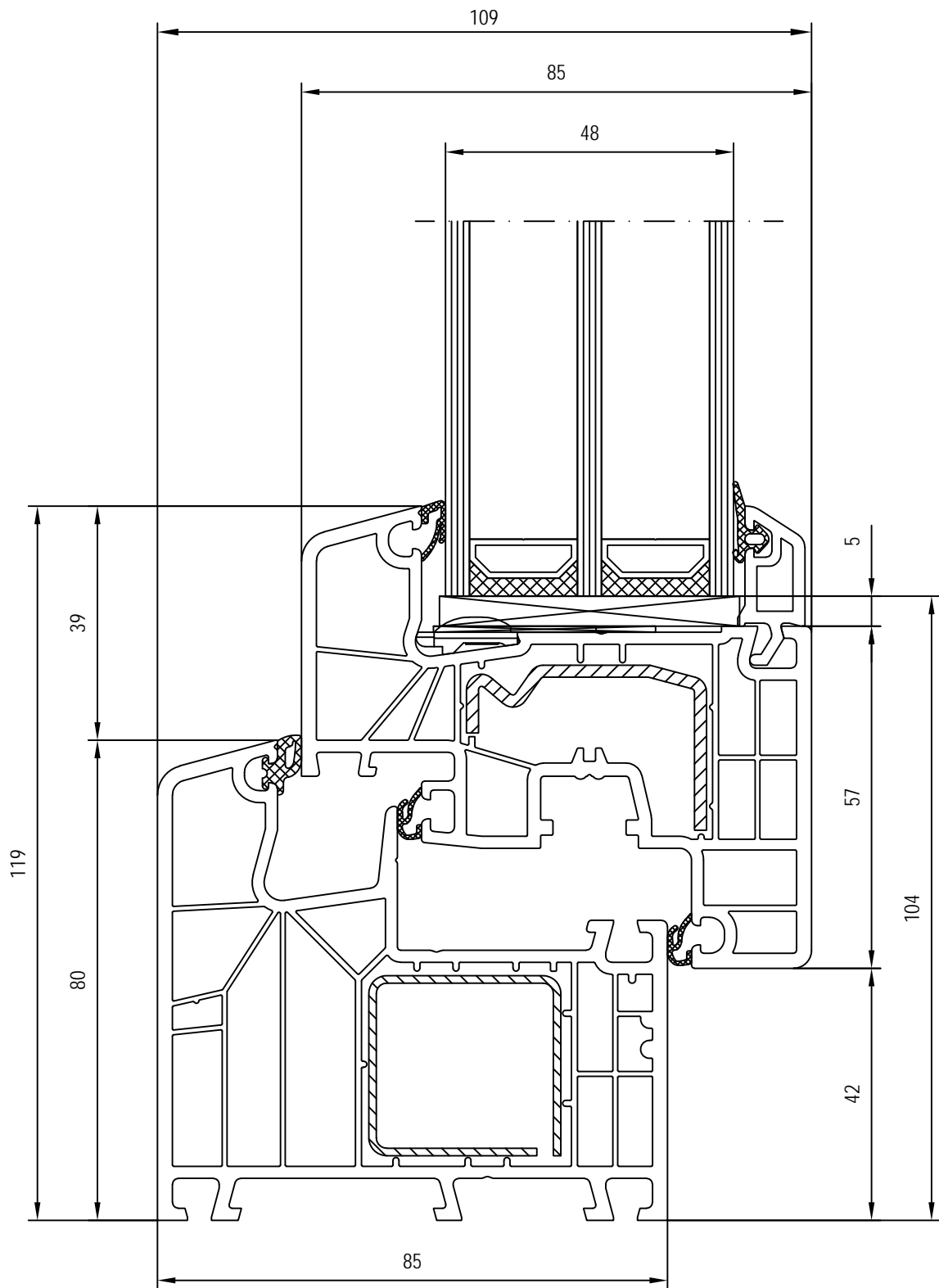
AI| podkładka do szklenia
CI| zaślepka
DI| łącznik
EI| łącznik bez kołnierzy
FI| łącznik naroży
GI| wzmocnienie
II| ogranicznik
JI| wklejana szyba
LI| system wentylacji podstawowej
OI| środki pomocnicze
PI| aluskin nakładka aluminiowa
QI| aluminiowa osłona przyłgi
UI| próg aluminiowy
VI| łącznik progu
XI| uszczelka
ZI| pozostałe dodatki

-> do
(CL) Classic-line
(QL) Qube-line
cza czarny
pbi papirusowa biel
bi biały



kombinacje neo
neo prime ~ energeto neo ~ neo france
neo advance neo prime +14
neo view -> nzl neo prime curved

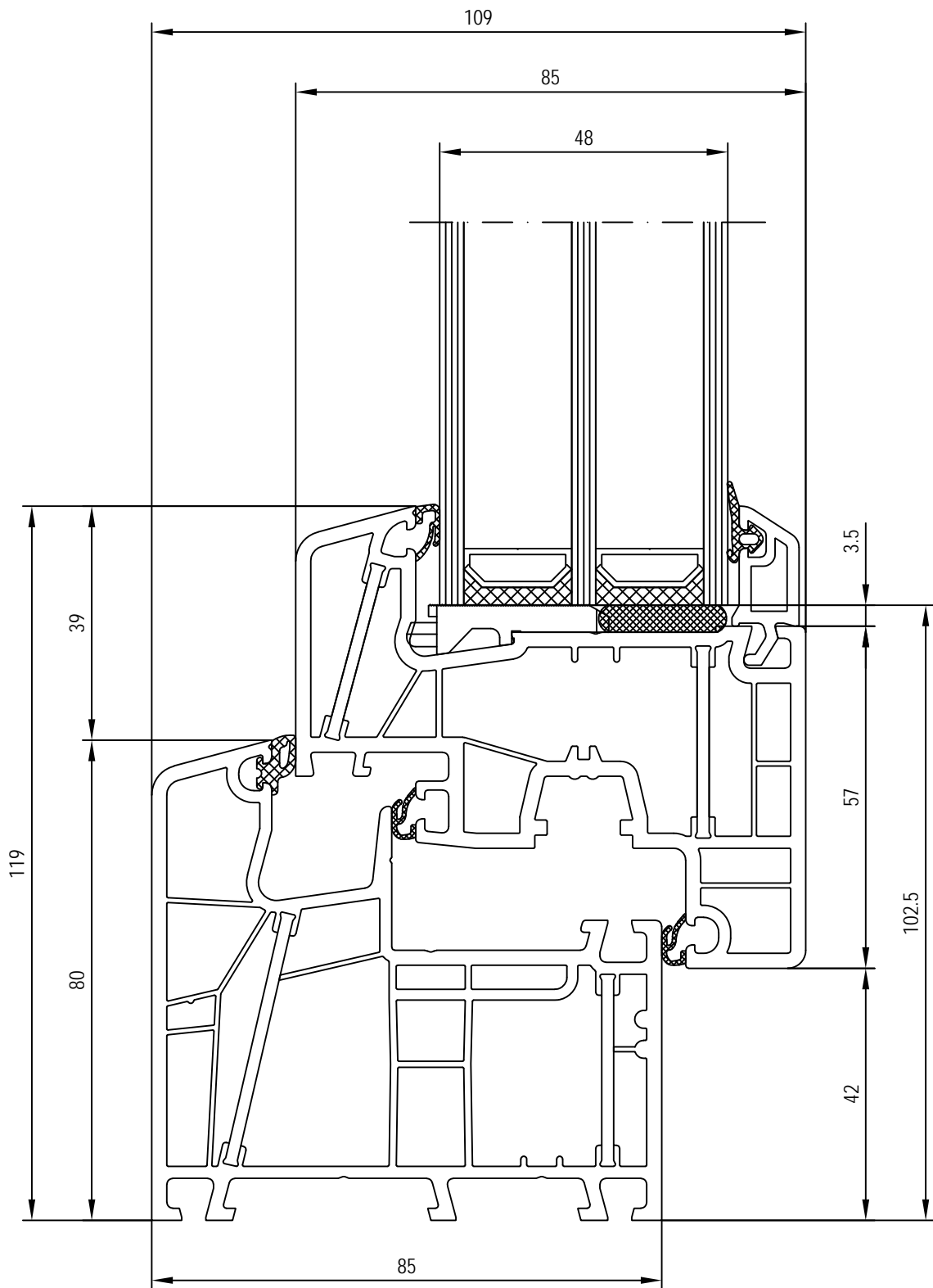
uszczelka naprawcza
standard IX| 479025 cza IX| 449340 cza
IX| 477025 pbi IX| 447340 pbi
TPE IX| 479015 cza IX| 449042 cza
IX| 477015 pbi IX| 447042 pbi
neo view IX| 409291 cza IX| 449343 cza
IX| 407291 pbi IX| 447343 pbi
AD szczelina MD PVC-P
IX| 459922 cza IX| 469019 cza
IX| 457922 pbi IX| 467019 pbi



frame profile 85mm: 180x05
 sash profile 85mm: 180x20
 glazing bead: 120632



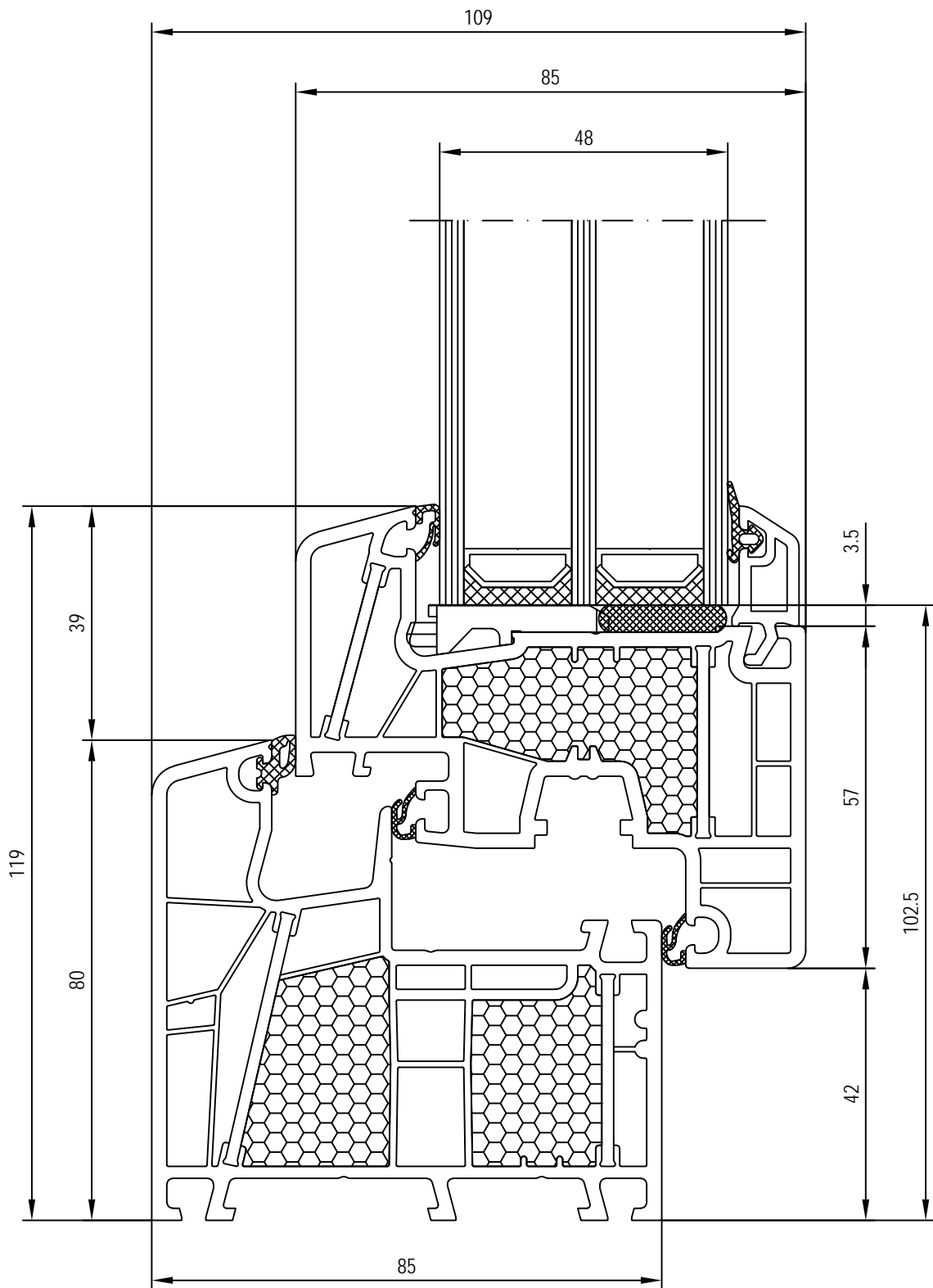
IDEAL 8000
 profile section



frame profile 85mm: 080x05
 sash profile 85mm: 080x20
 glazing bead: 120632



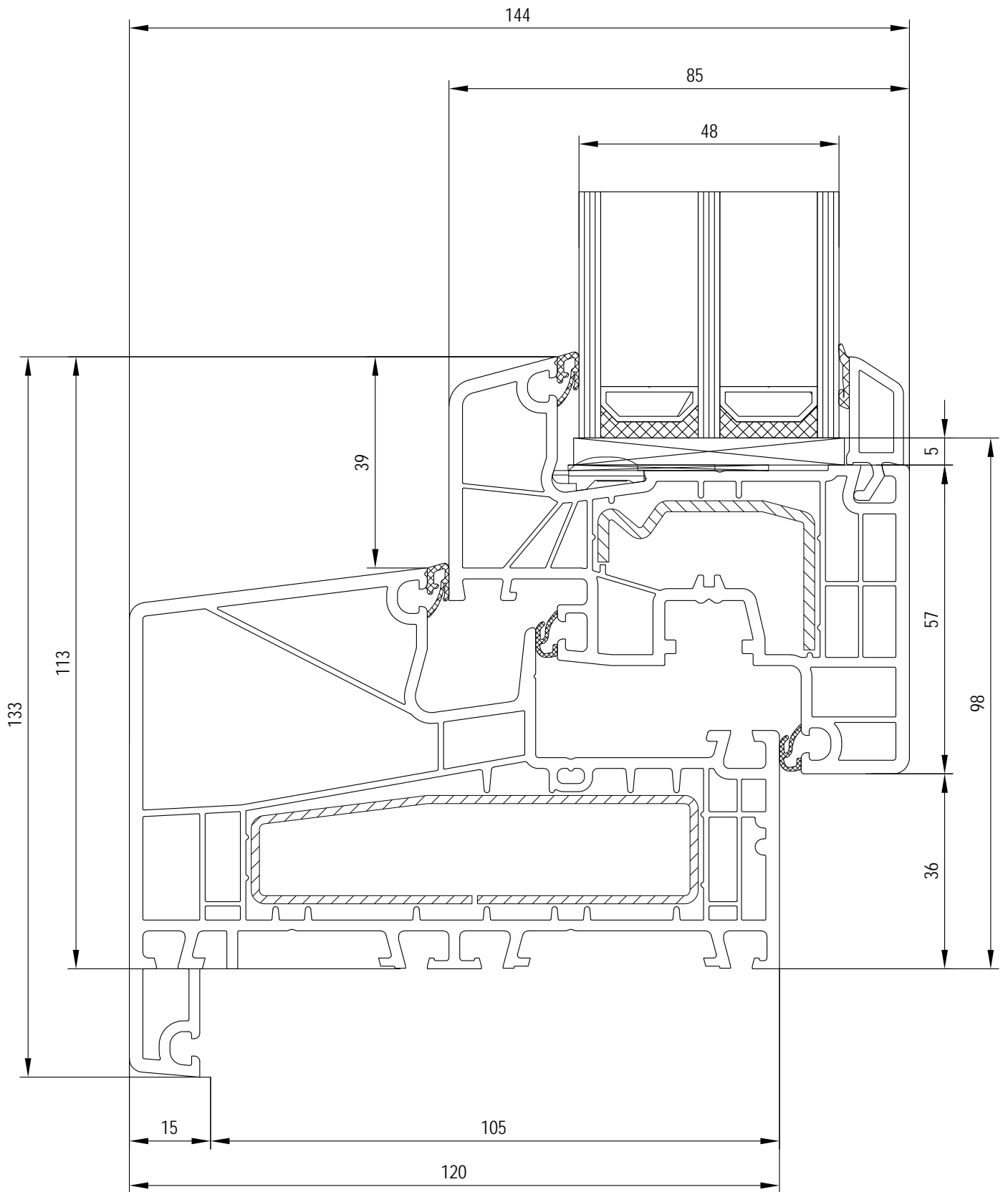
IDEAL 8000 - energeto 8000
 profile section



frame profile 85mm: 080x05 foam
 sash profile 85mm: 080x20 foam
 glazing bead: 120632

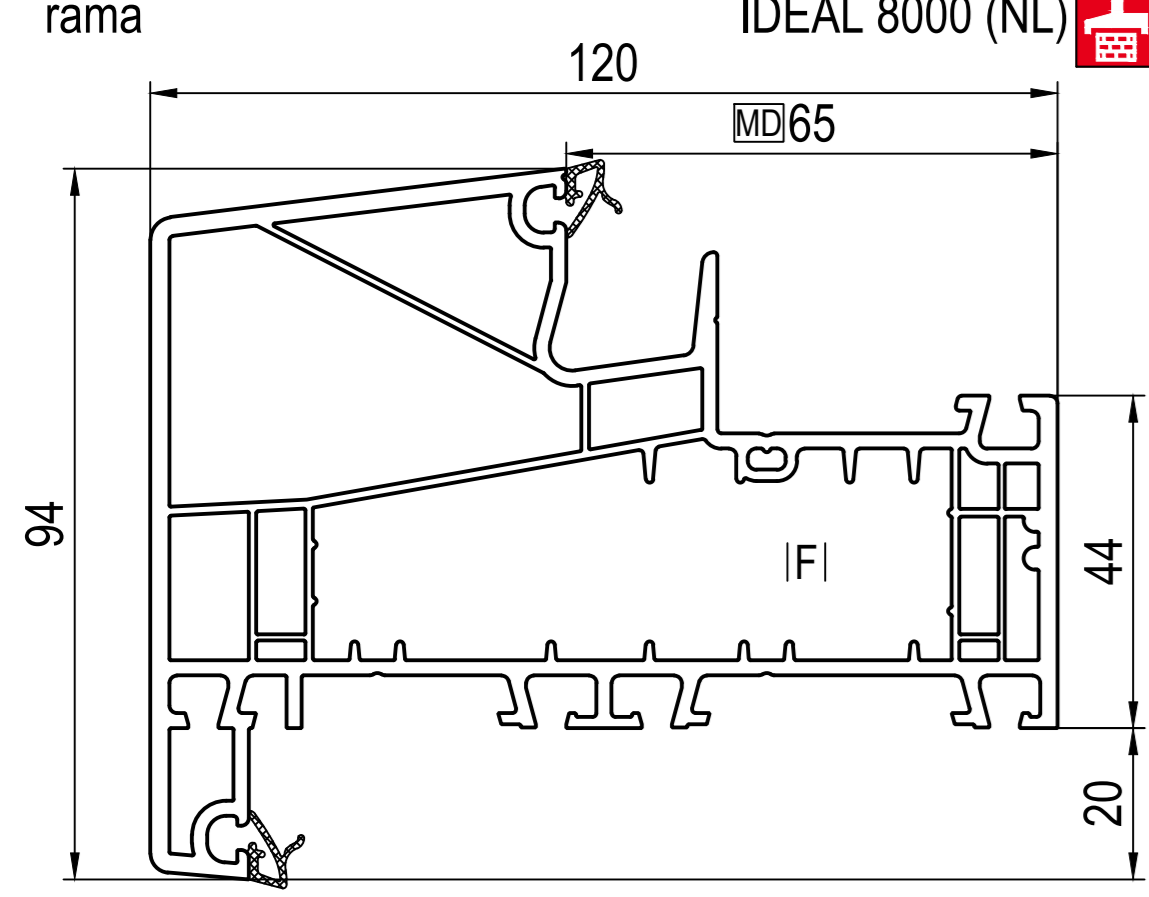


IDEAL 8000 - energeto 8000 + foam inside
 profile section



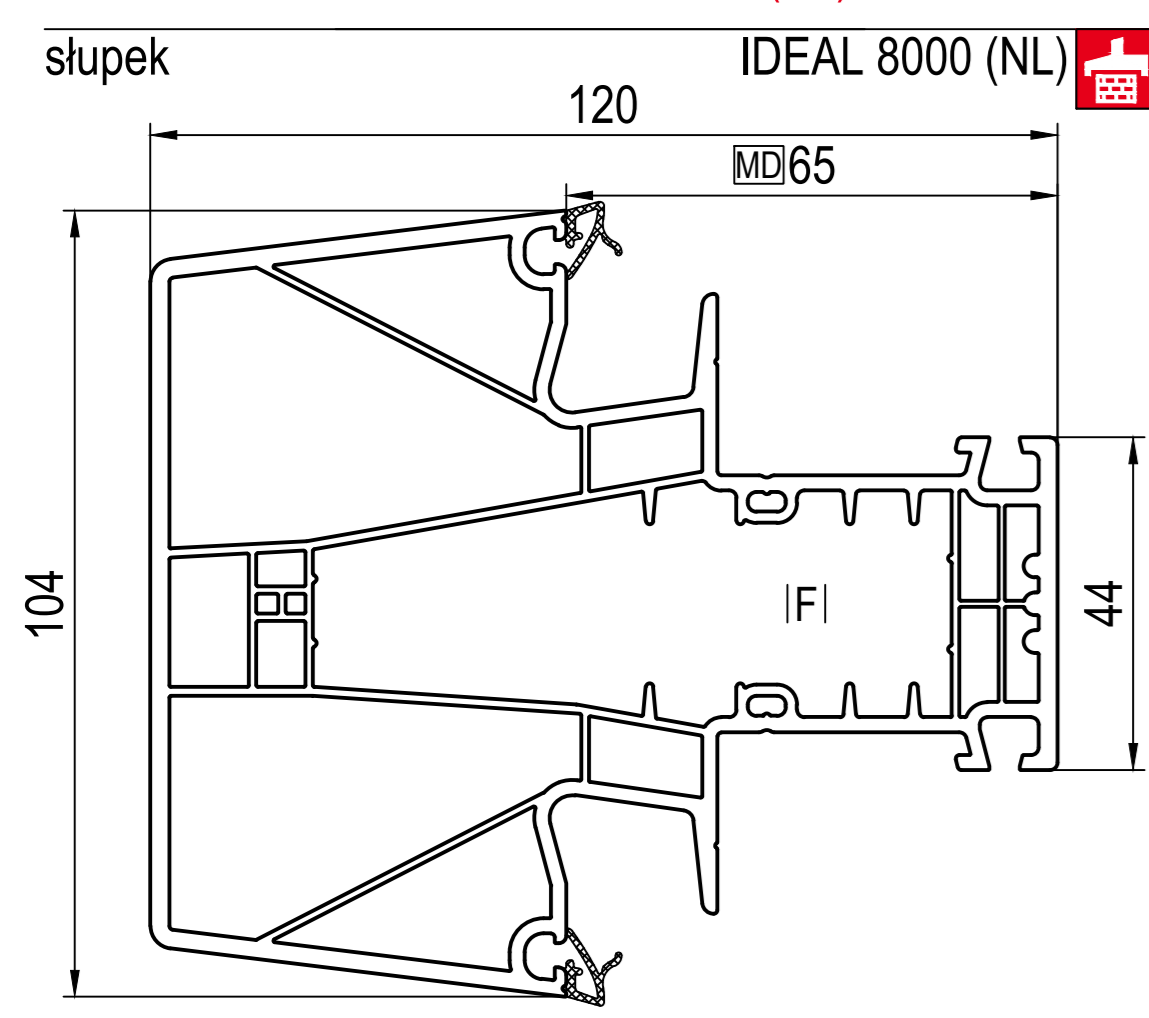
frame profile 120mm: 180x54
 sash profile 85mm: 180x20
 glazing bead: 120632

profile główne



■ **180x54 (CL) (NL)**
IA 680016, 682017, 680321
FI 279054, 279055
II 640441
PI -
IU 287070
VI 680047 | OI 670970 | XI 486080

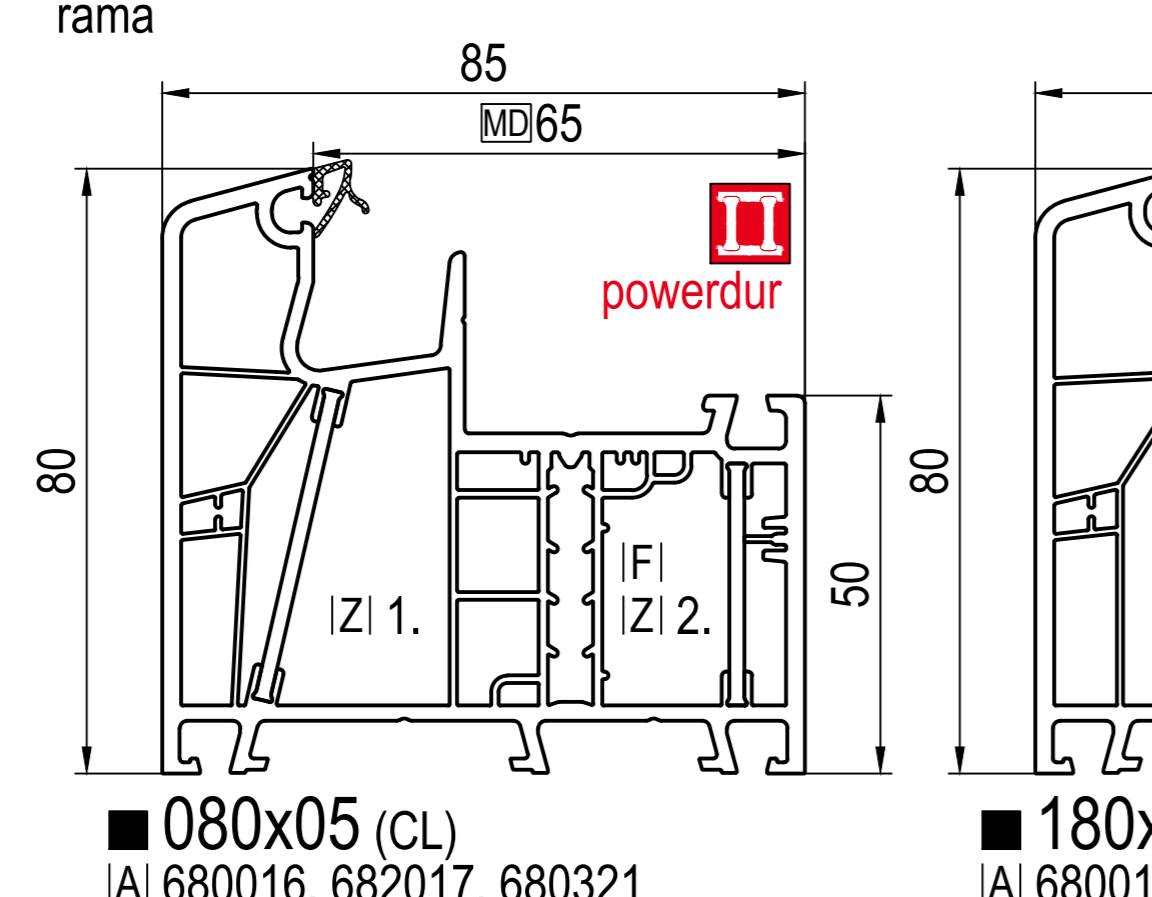
■ **188354** kre cza IDEAL 8000 (NL)



■ **180x57 (CL) (NL)**
IA 680016, 682017, 680321
ID 687131 | DI 687102 -> MD65 (NL)
OI 680950 | OI 670957
XI 659032 cza | XI 489057 cza
XI 650032 bi | XI 489057 bi
ID 680047 ~ uniwersalny
FI 279054, 279055
II 640441
PI -
IU 287070
VI 680047 | OI 670970 | XI 486082

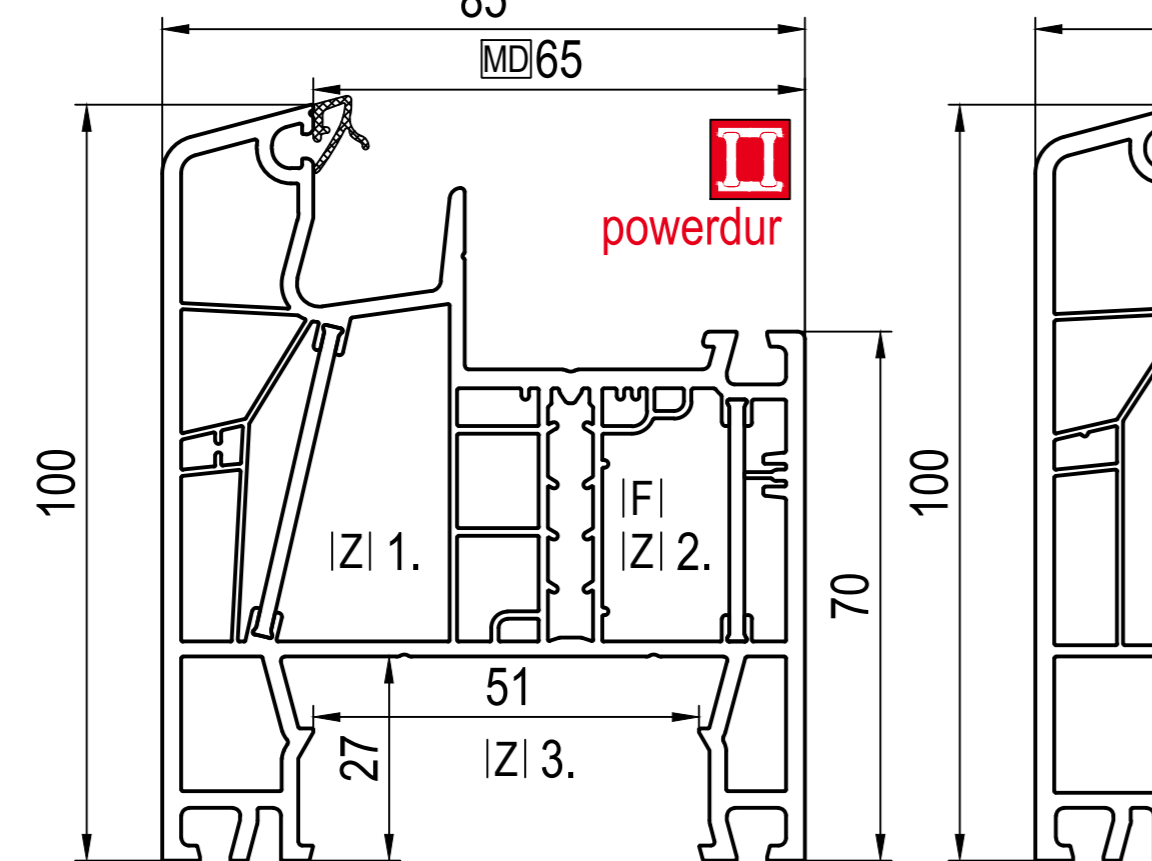
■ **188357** kre cza IDEAL 8000 (NL)

profile główne



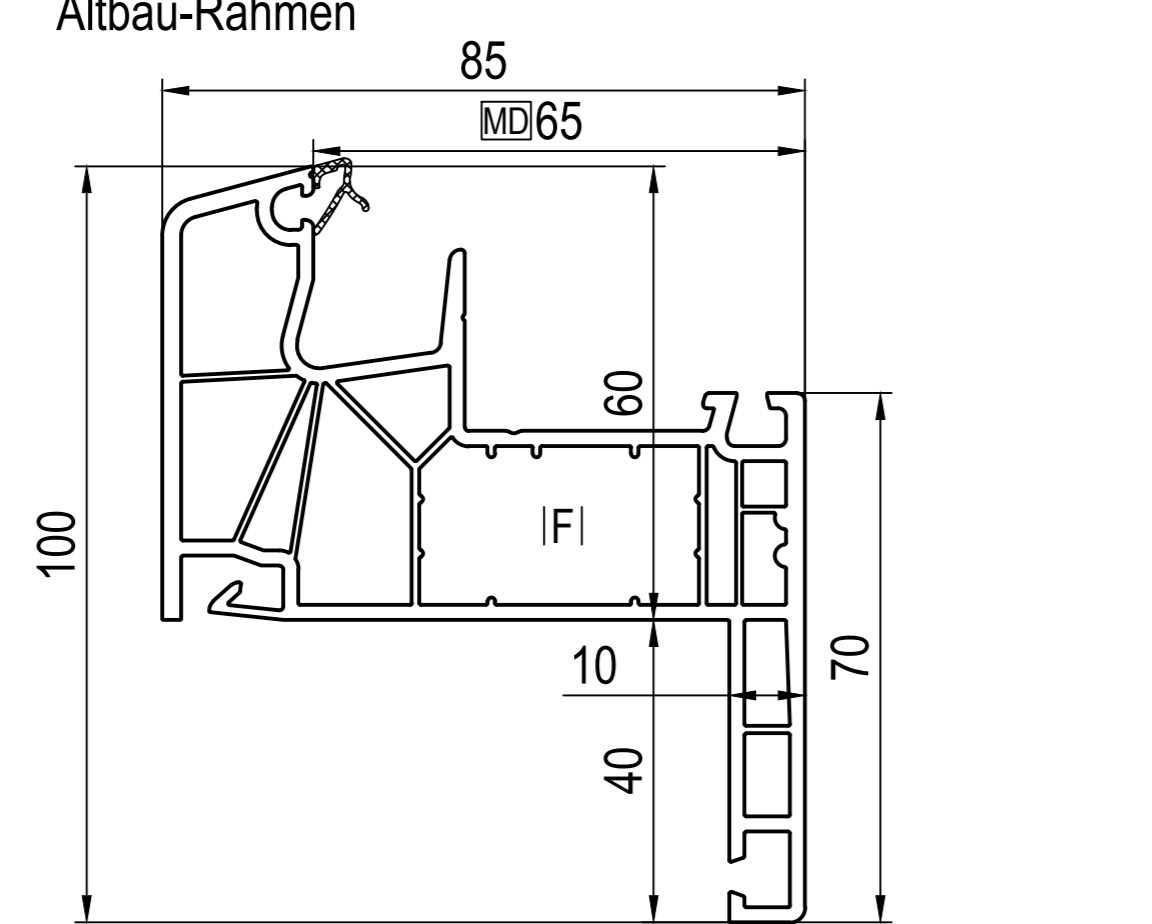
■ **080x05 (CL)**
IA 680016, 682017, 680321
FI 289019
II 640441
PI 289304, 289313
QI 287301, 287303
UI 277070, 287070
OI 680970 | XI 476070
VI 686371 -> IU 277070
ZI 1. 680286, 2. 680285

■ **180x050000098 (CL)**
IA 680016, 682017, 680321
FI 249014, 249015, 249016, 259105, 259106, 259107
II 640441
PI 289304, 289313
QI 287301, 287303
UI 277070, 287070
OI 640047 | OI 680970 | XI 476070
VI 686371 -> IU 277070



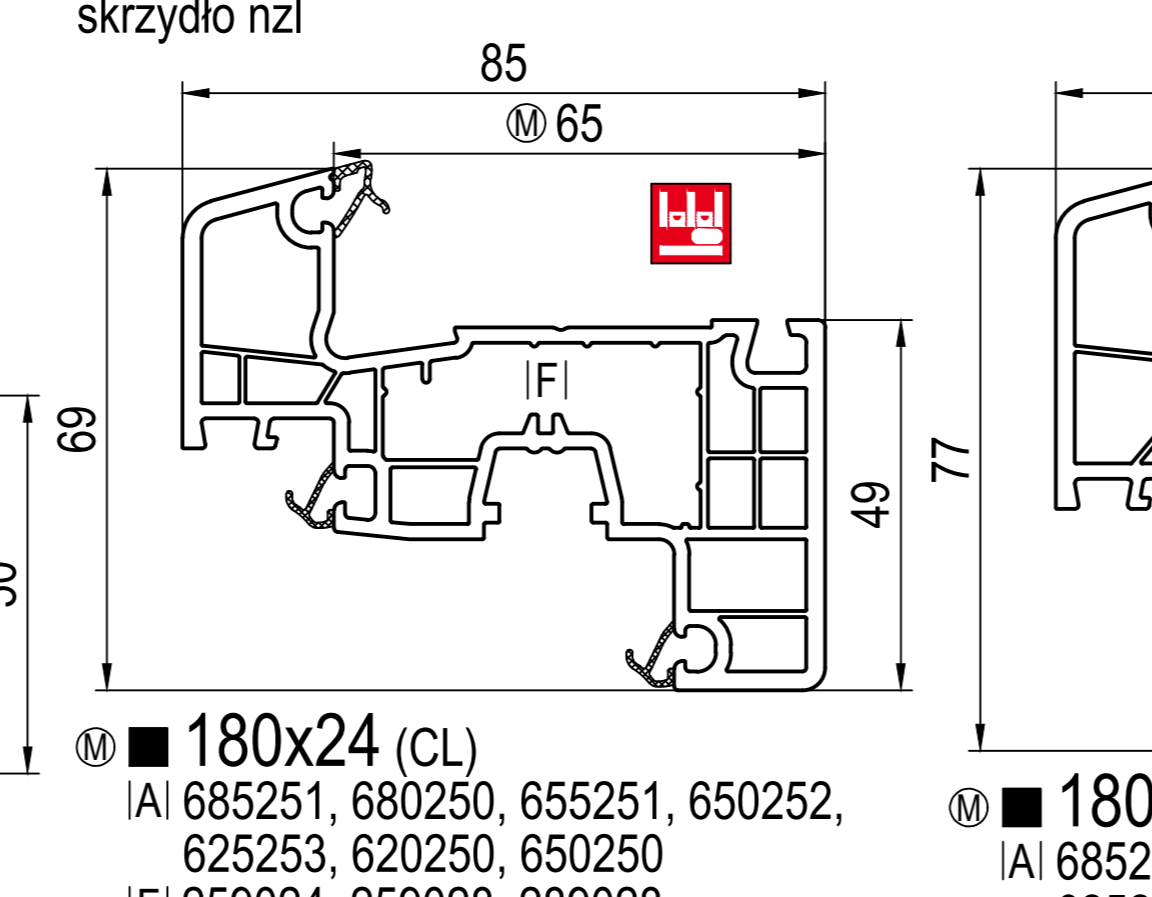
■ **080x04 (CL)**
IA 680016, 682017, 680321
FI 289019
II 640441
PI 289304, 289314
QI 287301, 287303
UI 277070, 287070
OI 680970 | XI 476070
VI 686371 -> IU 277070
ZI 1. 680286, 2. 680285, 3. 680289

■ **180x040000098 (CL)**
IA 680016, 682017, 680321
FI 249014, 249015, 249016, 259105, 259106, 259107
II 640441
PI 289304, 289314
QI 287301, 287303
UI 277070, 287070
OI 640047 | OI 680970 | XI 476070
VI 686371 -> IU 277070
ZI 680289



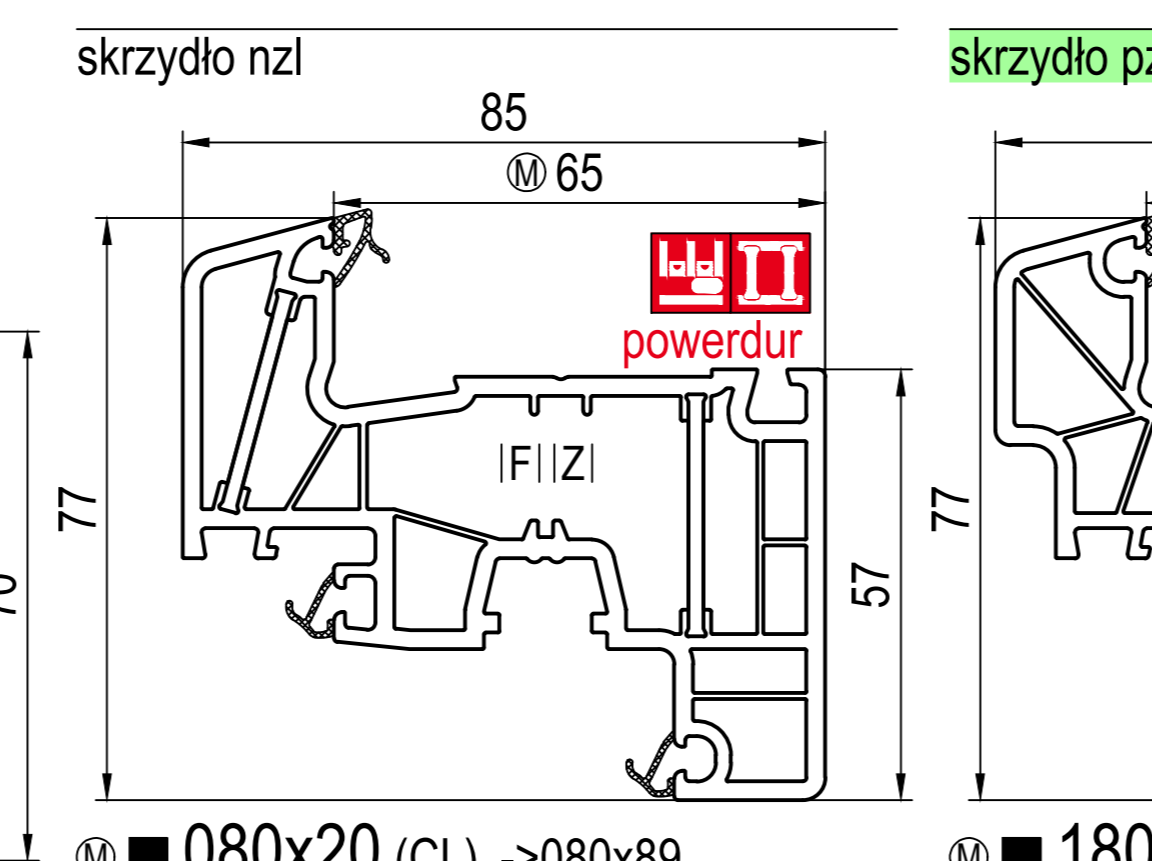
■ **180x15 (CL)**
IA 680016, 682017, 680321
FI 229037
II 640441
PI 289304
QI 287301, 287303
VI 686371 -> IU 277070

skrzydło nzi



■ **180x24 (CL)**
IA 685251, 680250, 655251, 650252, 625253, 620250, 650250
FI 259024, 259028, 289028
II 620440
JI 642261, 642262, 642263, 646265, 646266
PI 289424

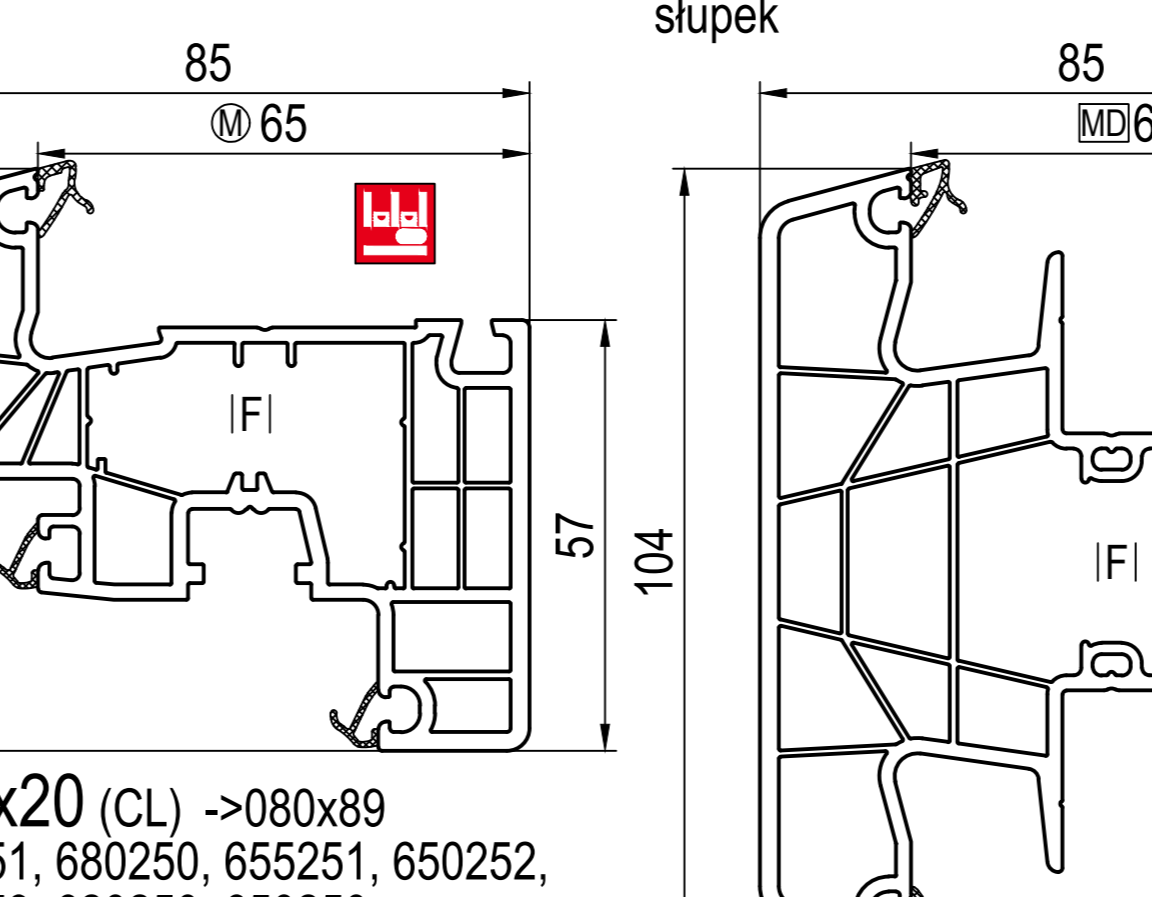
■ **188320** kre cza IDEAL 8000 (NL)



■ **080x20 (CL) -> 080x89**
IA 685251, 680250, 655251, 650252, 625253, 620250, 650250
FI 259020, 259021, 259022, 259026, 289021
II 620440
JI 642261, 642262, 642263, 646265, 646266
PI 289420
ZI 650295

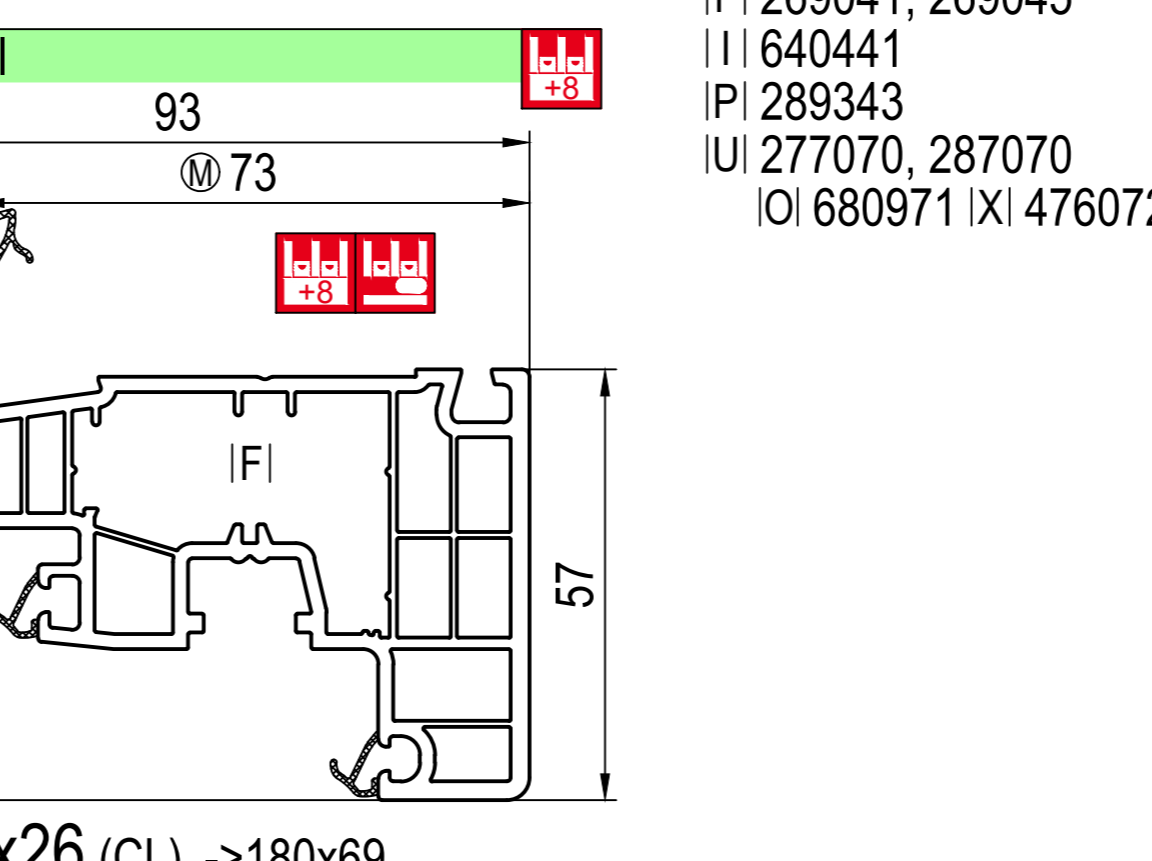
■ **188330** kre cza IDEAL 8000 (NL)

skrzydło pzi



■ **180x26 (CL) -> 180x69**
IA 680252, 685251, 680250, 655251, 650252, 625253, 620250, 650250
FI 259020, 259021, 259022, 259026, 289021
II 620440
JI 642261, 642262, 642263, 646265, 646266
PI 289326

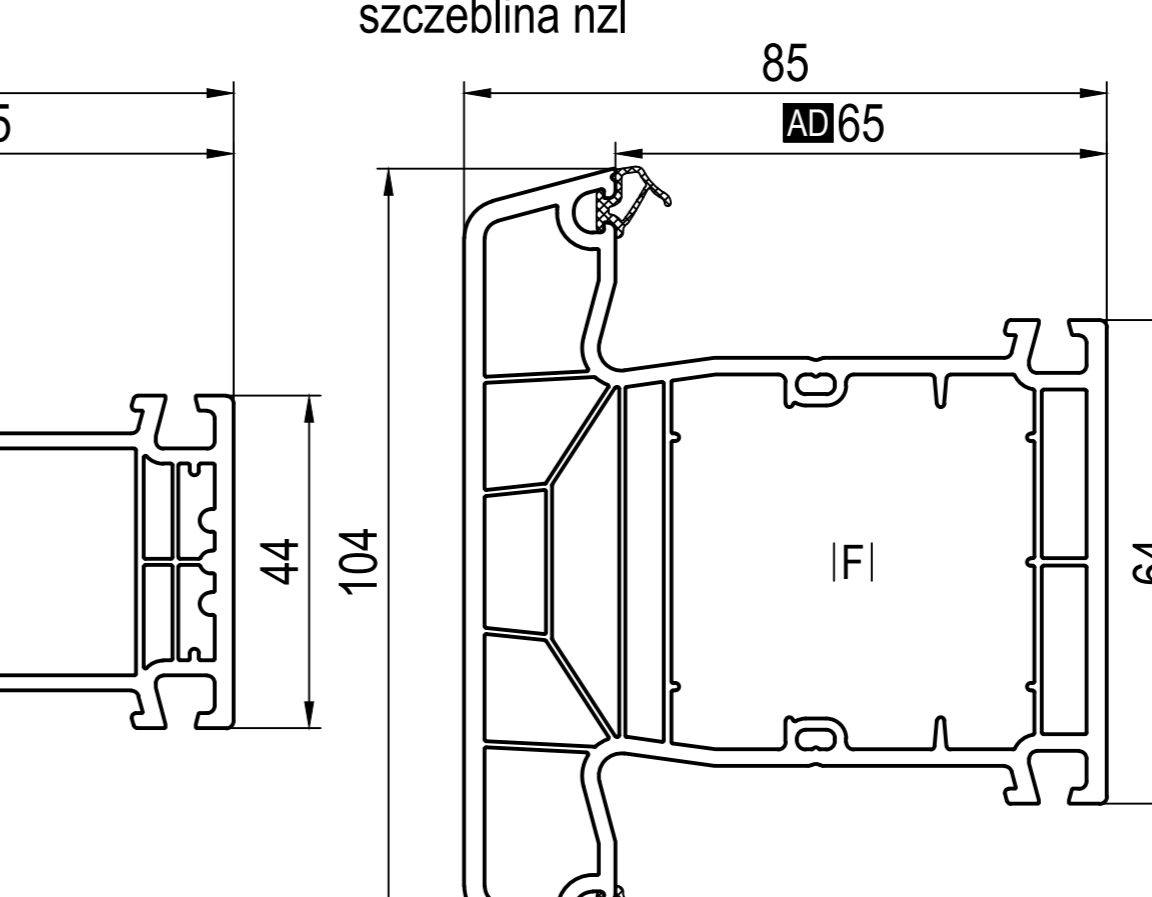
■ **188341** kre cza IDEAL 8000 (NL)



■ **180x30 (CL)**
IA 685251, 680250, 655251, 650252, 625253, 620250, 650250
FI 229114, 229115*, 259031
* EI 640031 | OI 640938
II 620440
JI 642261, 642262, 642263, 646265, 646266
PI 289430

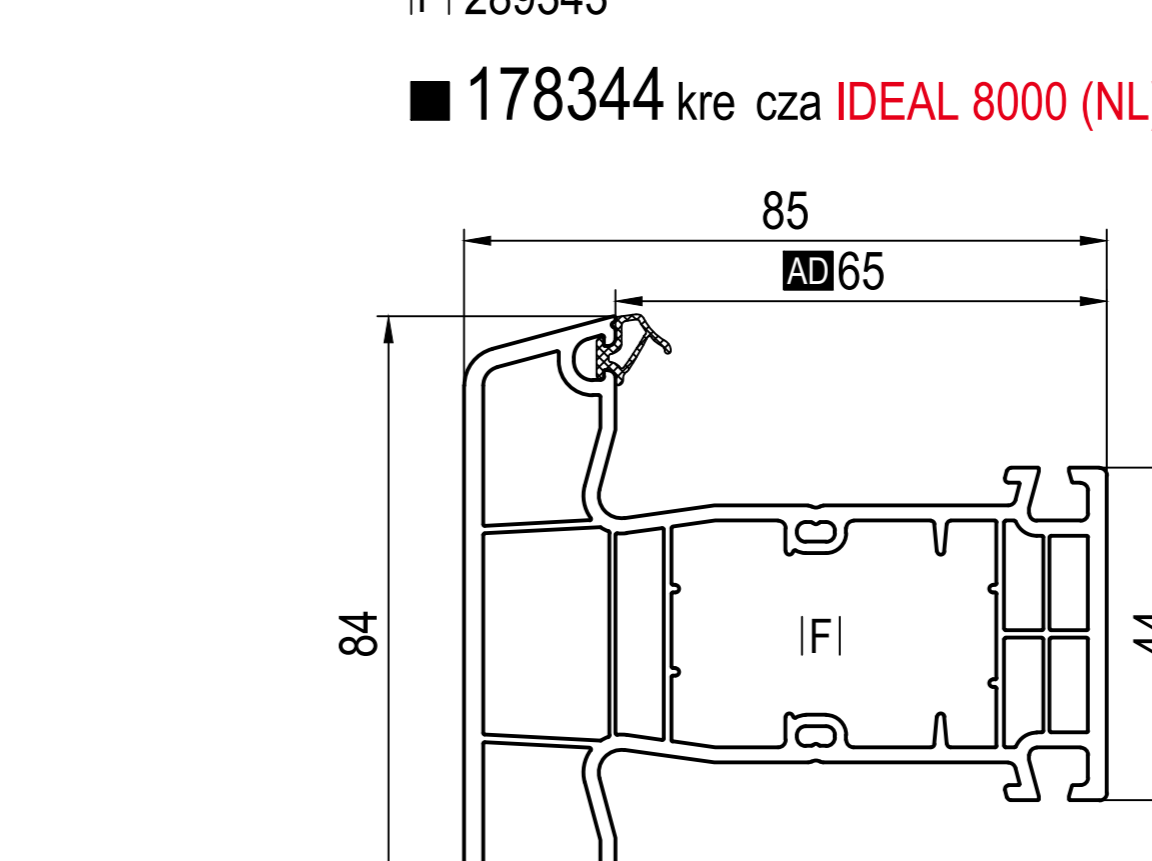
■ **188330** kre cza IDEAL 8000 (NL)

skrzydło pzi



■ **180x26 (CL) -> 180x69**
IA 680252, 685251, 680250, 655251, 650252, 625253, 620250, 650250
FI 259020, 259021, 259022, 259026, 289021
II 620440
JI 642261, 642262, 642263, 646265, 646266
PI 289326

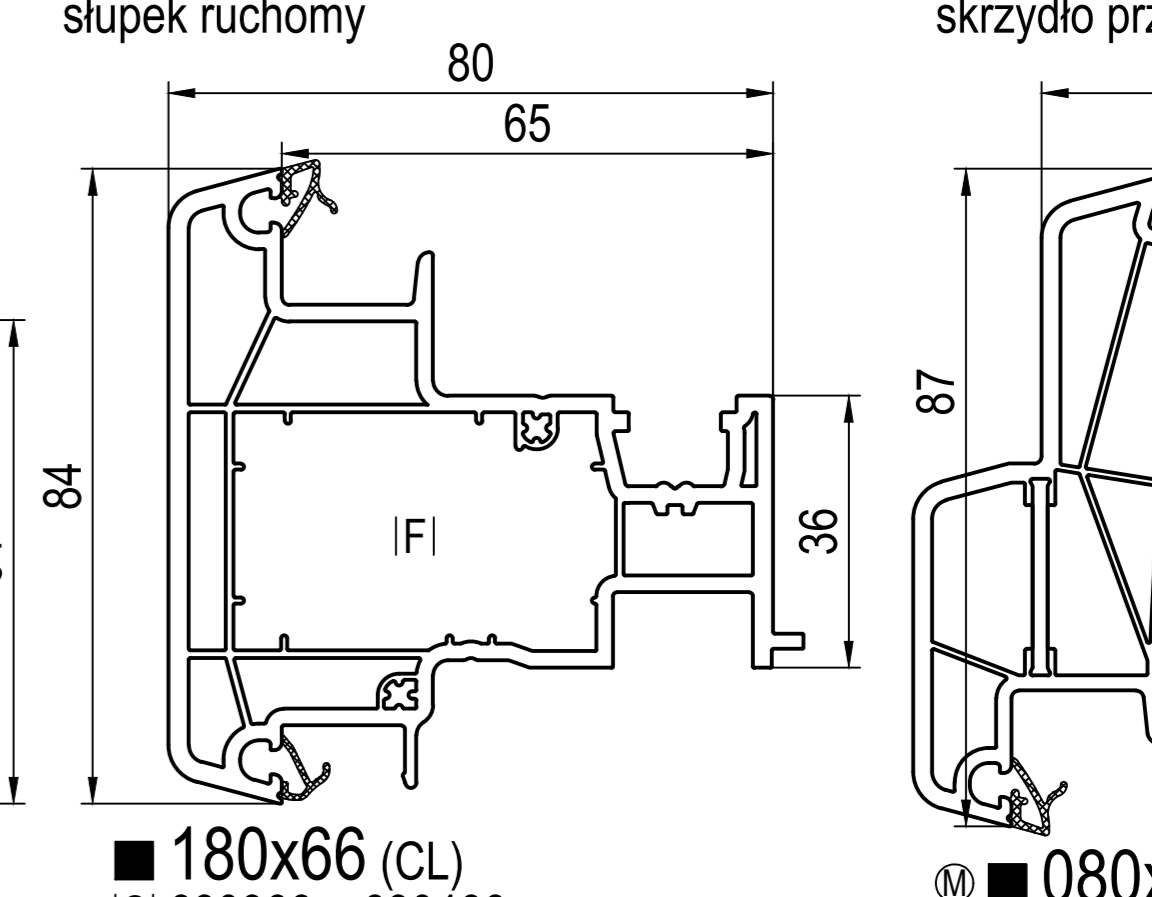
■ **188341** kre cza IDEAL 8000 (NL)



■ **180x31 (CL)**
IA 685251, 680250, 655251, 650252, 625253, 620250, 650250
FI 229114, 229115*, 259031
* EI 640031 | OI 640938
II 620440
JI 642261, 642262, 642263, 646265, 646266
PI 289430

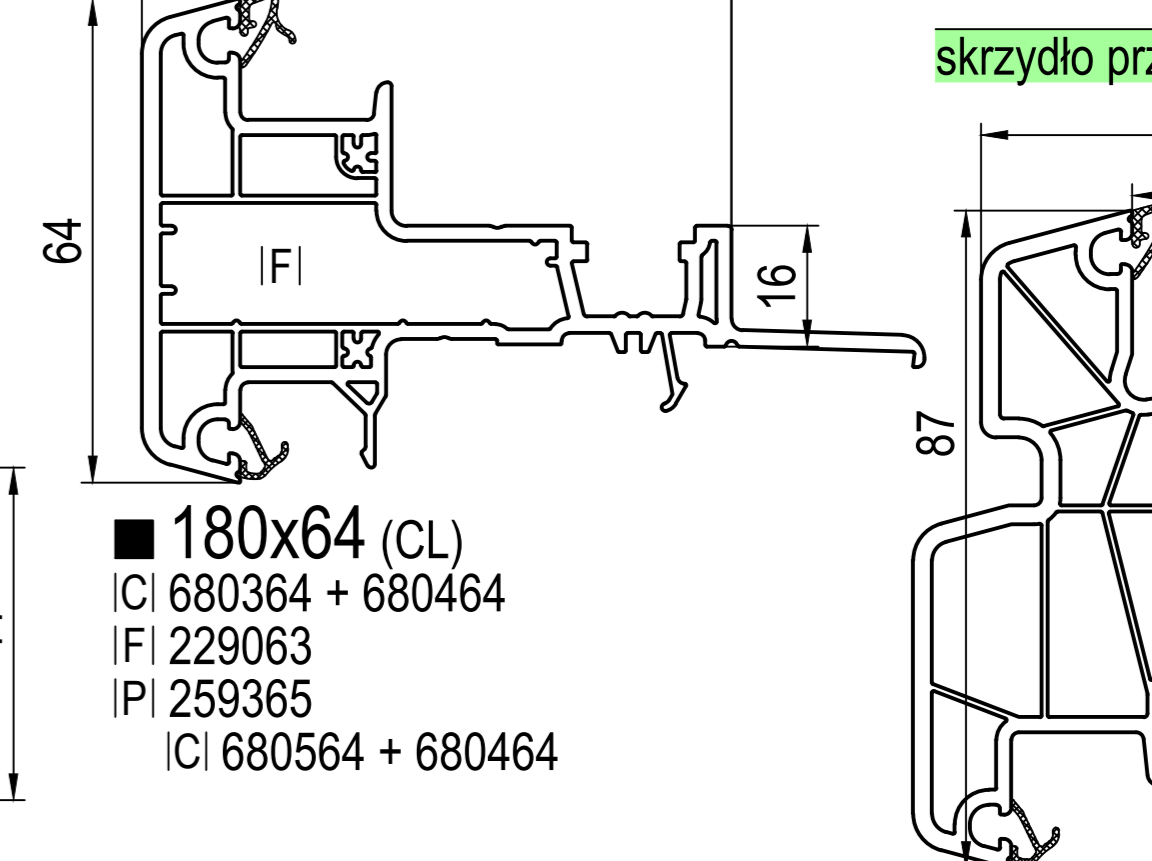
■ **188330** kre cza IDEAL 8000 (NL)

skrzydło pzi



■ **180x26 (CL) -> 180x69**
IA 680252, 685251, 680250, 655251, 650252, 625253, 620250, 650250
FI 259020, 259021, 259022, 259026, 289021
II 620440
JI 642261, 642262, 642263, 646265, 646266
PI 289326

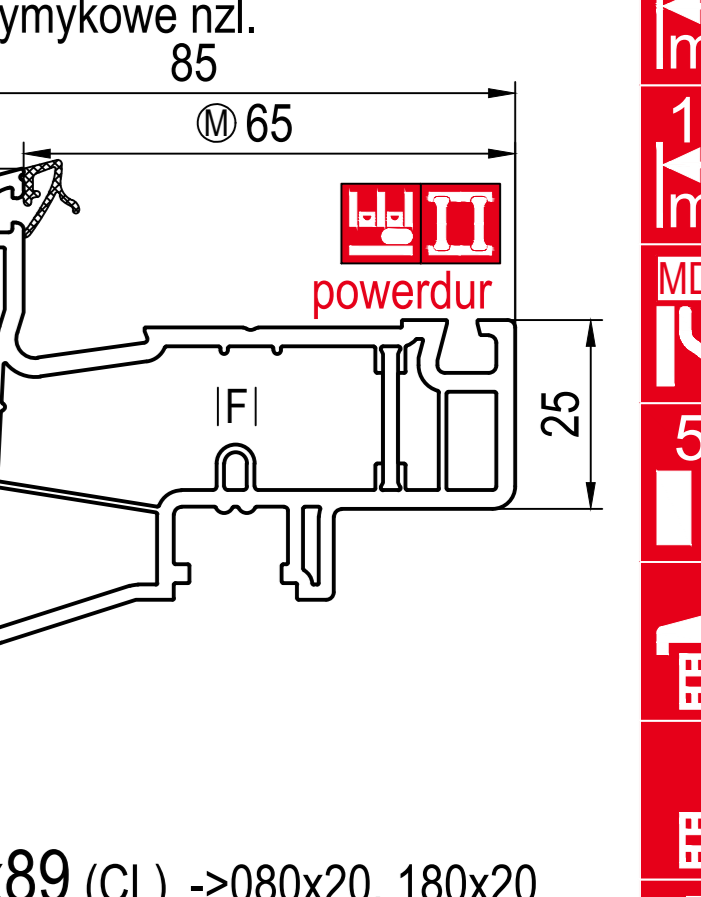
■ **188341** kre cza IDEAL 8000 (NL)



■ **180x31 (CL)**
IA 685251, 680250, 655251, 650252, 625253, 620250, 650250
FI 229114, 229115*, 259031
* EI 640031 | OI 640938
II 620440
JI 642261, 642262, 642263, 646265, 646266
PI 289430

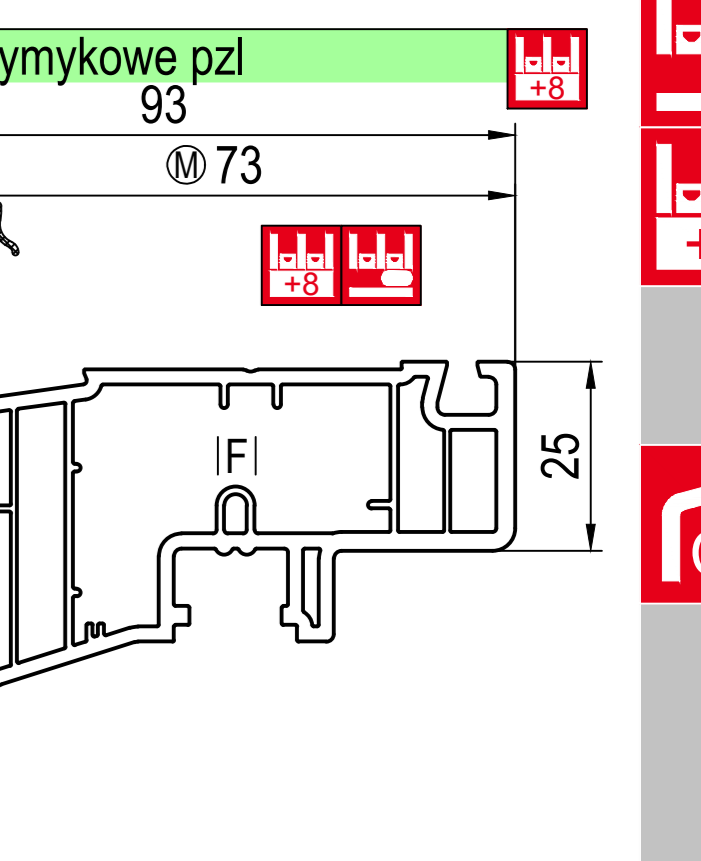
■ **188330** kre cza IDEAL 8000 (NL)

skrzydło przymykowe nzi



■ **080x89 (CL) -> 080x20, 180x20**
IA 685251, 680250, 655251, 650252, 625253, 620250, 650250
CI 680029
FI 289089
JI 642261, 642262, 642263, 646265, 646266
PI 289489

■ **188366** kre cza IDEAL 8000 (NL)



■ **180x69 (CL) -> 180x26**
IA 680252, 685251, 680250, 655251, 650252, 625253, 620250, 650250
CI 680029
FI 259020, 259021, 259022, 259026
JI 642261, 642262, 642263, 646265, 646266
PI 289369

■ **188341** kre cza IDEAL 8000 (NL)



profil kre cza IDEAL 8000 (NL) - lista przyszybow
XX8XXX kre kremowy - RAL 9001 - dodatki
XXX3XX cza uszczelka: czarny kre na żądanie

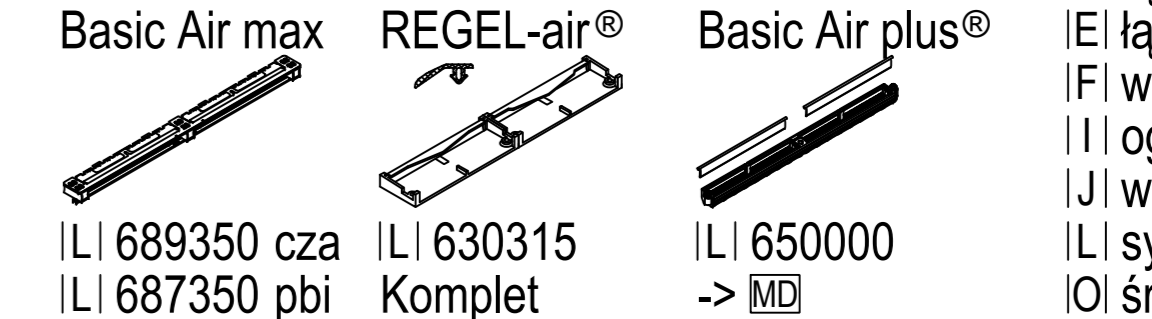
Altbau-Rahmen 85 100 70 10 40 70

skrzydło nzi 85 105 85 105 85

skrzydło pzi 85 105 85 105 85

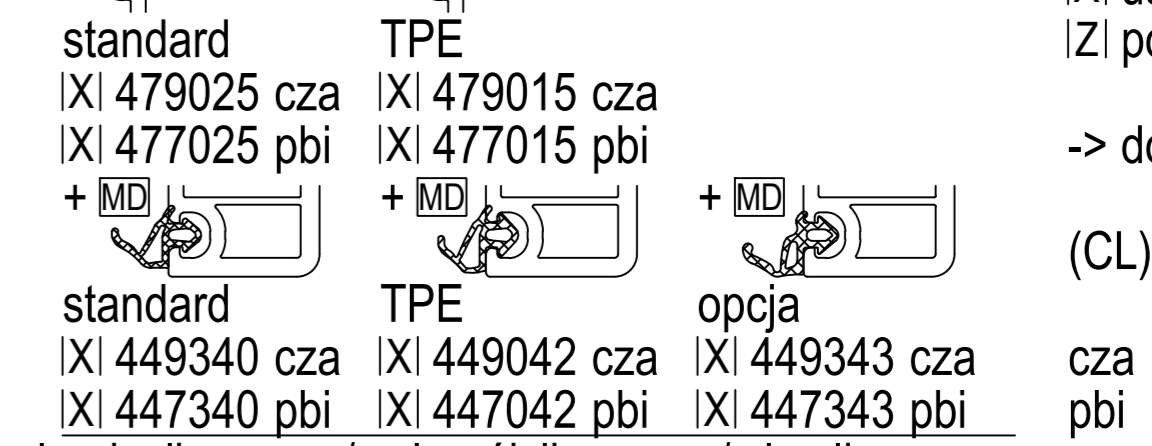
skrzydło pzi 85 70 30 70

system wentylacji podstawowej



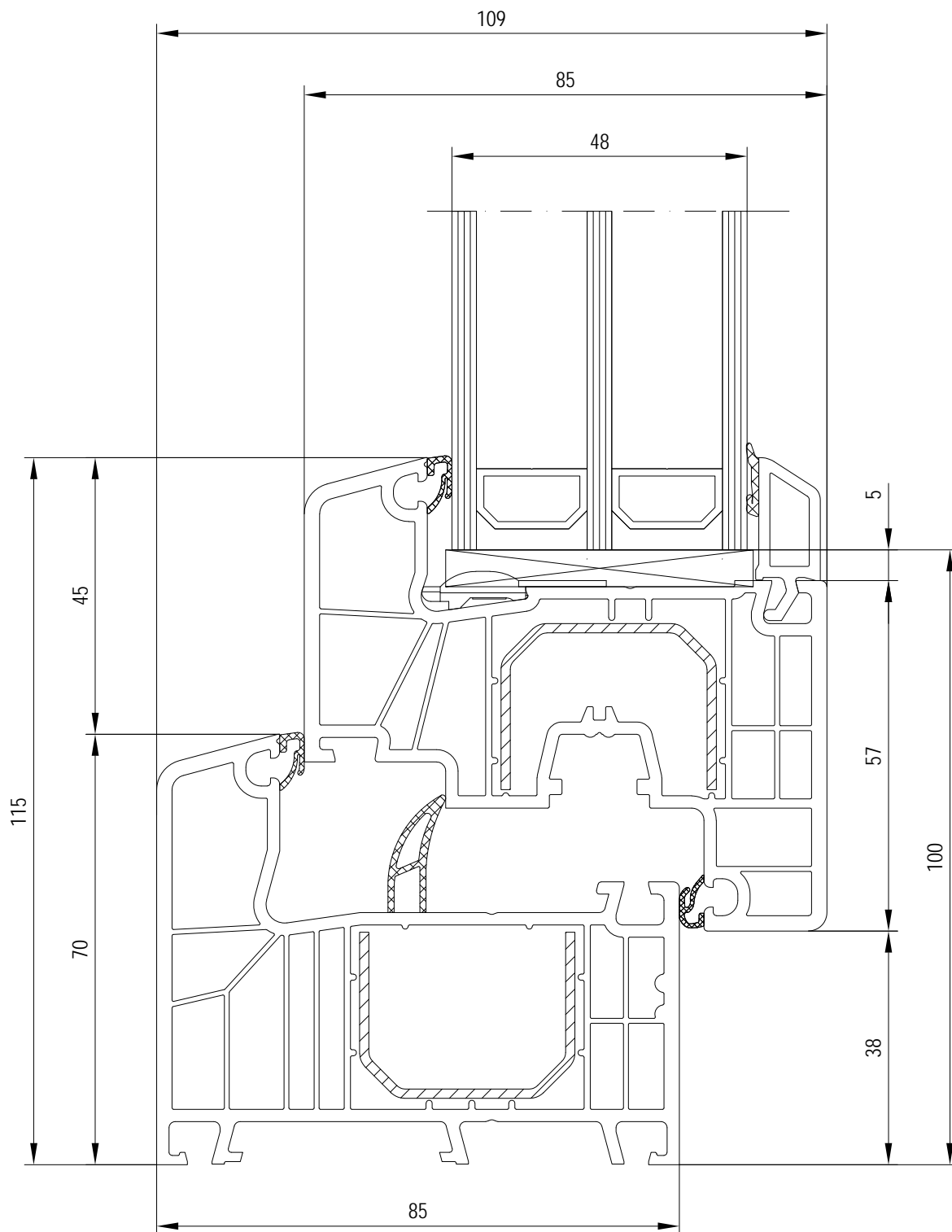
Basic Air max REGEL-air® Basic Air plus®
II 689350 cza II 630315
II 687350 pbi Komplet II 650000 -> MD

uszczelka naprawcza



standard TPE
XI 479025 cza XI 479015 cza
XI 477025 pbi XI 477015 pbi
+ MD + MD + MD

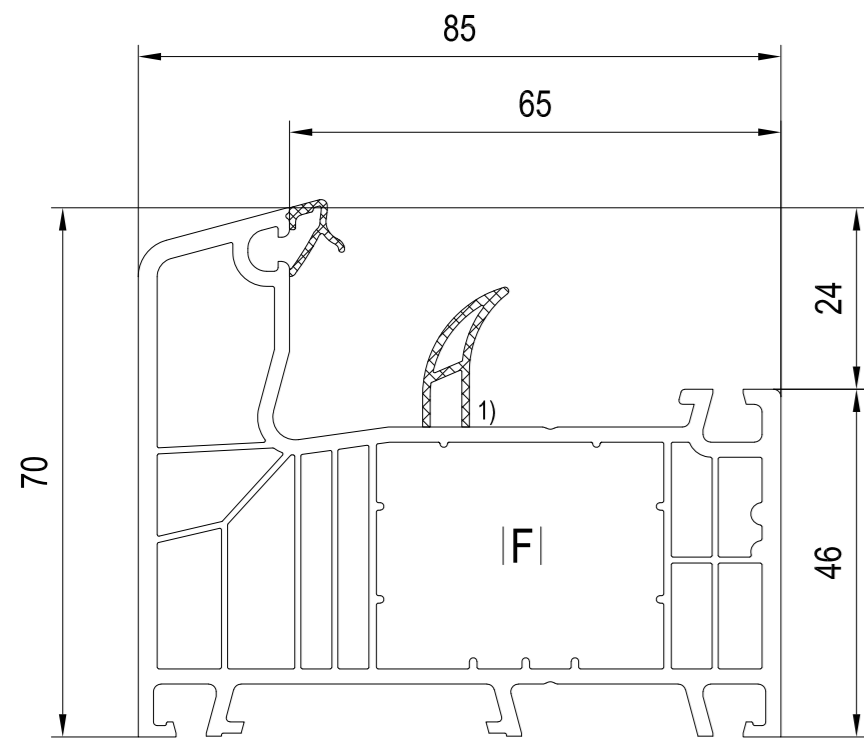
- MD system z uszczelnieniem środkowym
- MD-wrąb szybowy
- Wklejana szyba opcja
- nie występuje w kolorze / okleinie
- występuje w kolorze / okleinie
- AI podkładka do szklenia
- C Zasklepki
- D łącznik
- DI łącznik bez kołnierzy
- E łącznik naroży
- FI wzmocnienie
- II ogranicznik
- JI wklejana szyba
- LJ system wentylacji podstawowej
- OI środki pomocnicze
- PI aluskin nakładka aluminiowa
- QI aluminiowa osłona przyłgi
- UI próg aluminiowy
- VI łącznik progu
- XI uszczelka
- ZI pozostałe dodatki
- > do
- (CL) Classic-line (NL) IDEAL 8000 NL
- cza czarny kre kremowy
- pbi papirusowa biel bi biały
- nzi - niezliczony / pzi - półzliczony / zi - zliczony



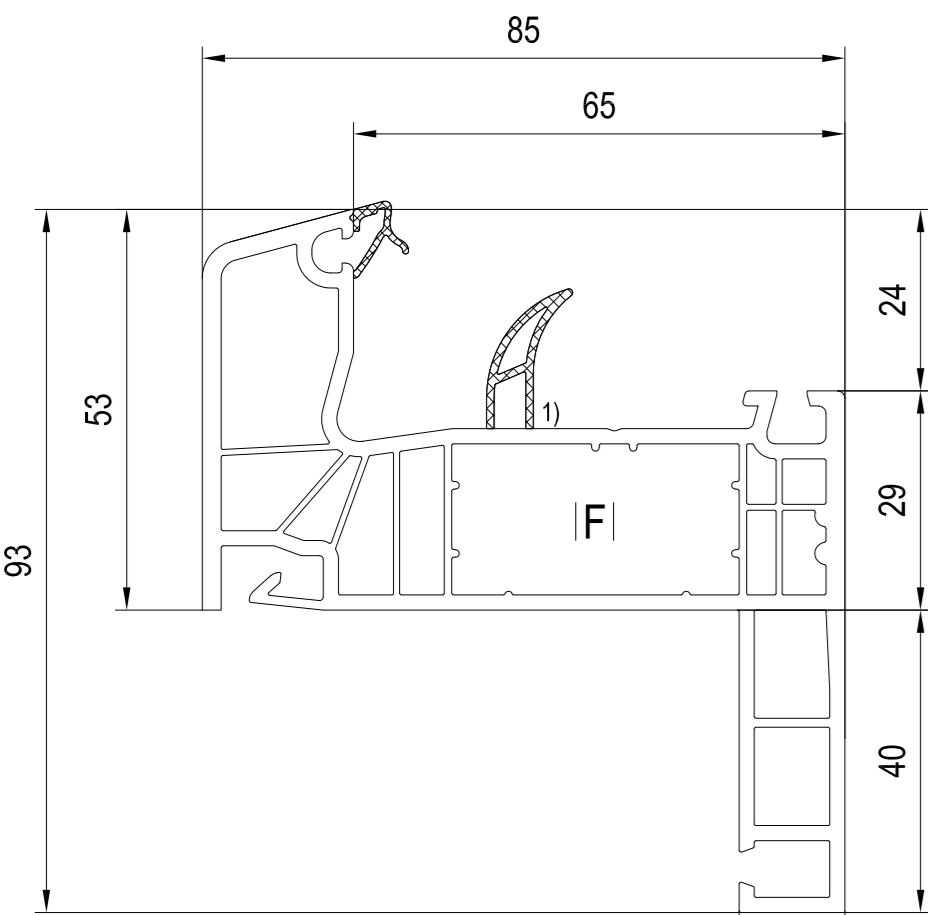
frame profile 85mm: 010x20
 sash profile 85mm: 110x21
 glazing bead: 120632

profile główne

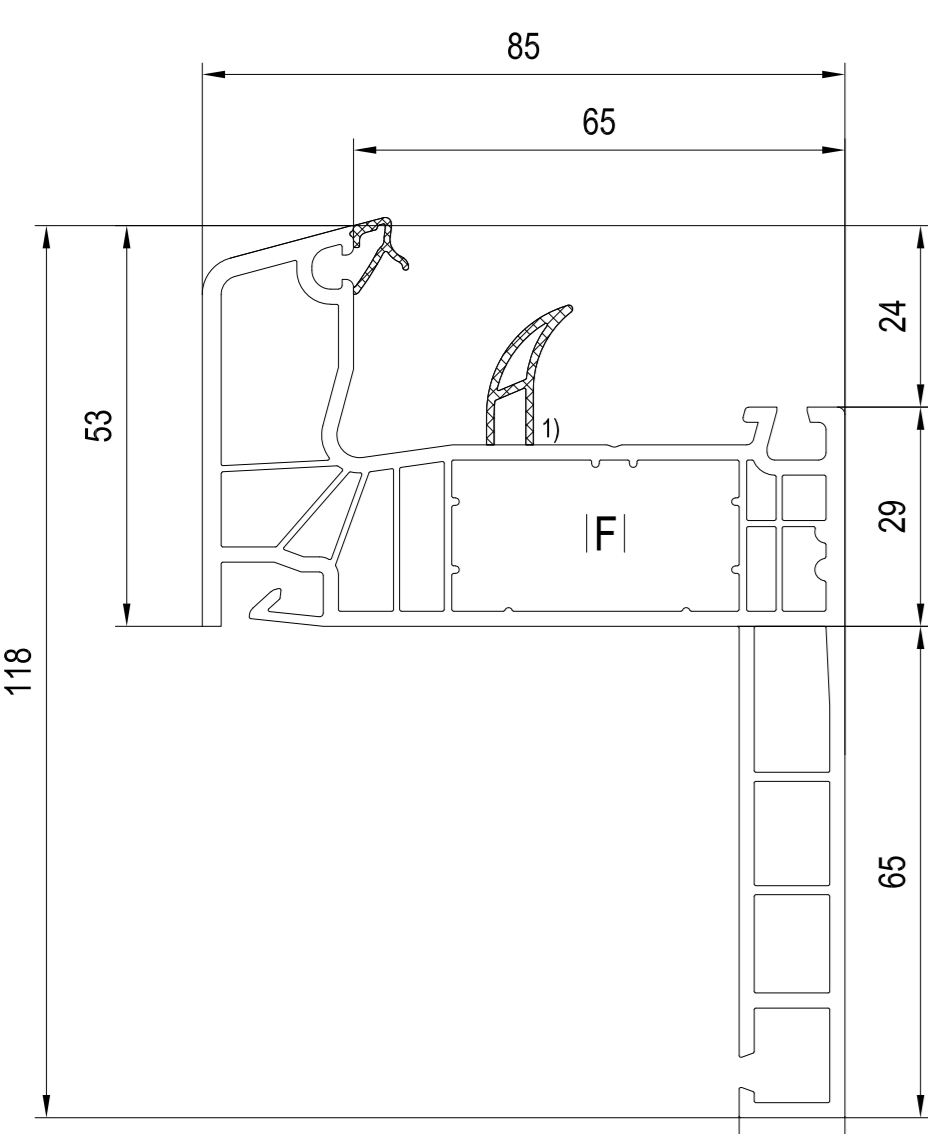
ramy



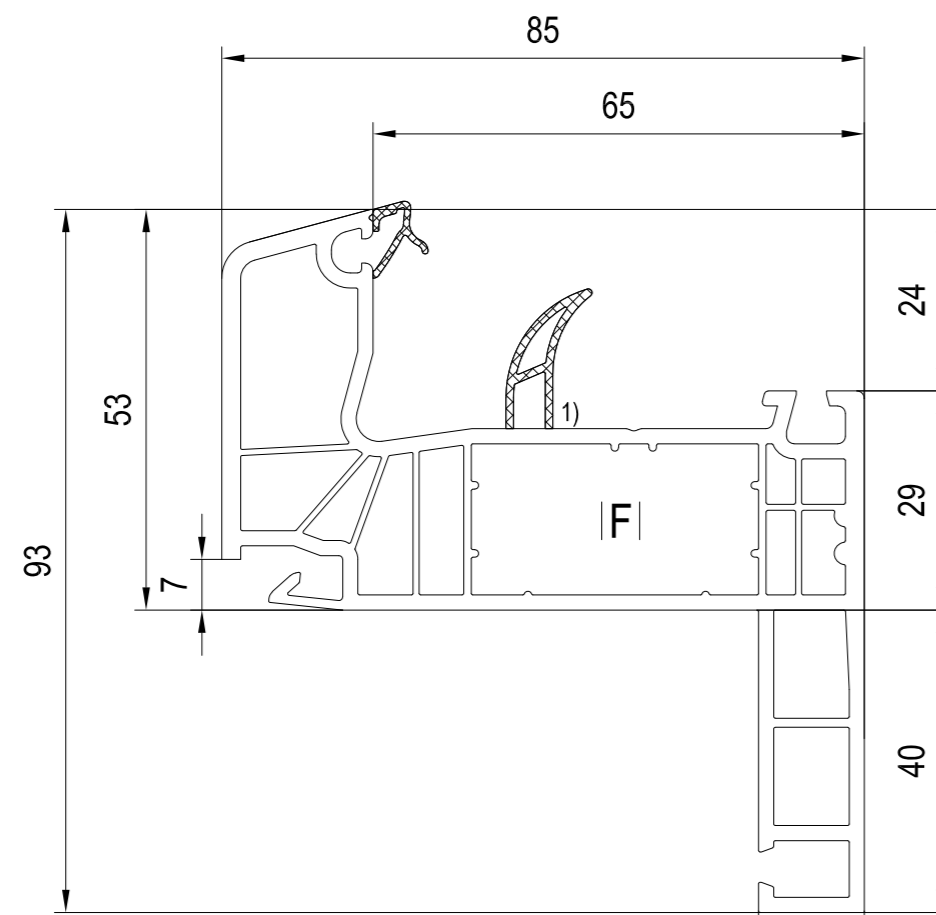
■ 010x20
IA 670301
FI 229029, 229030, 229023, 229025,
229024, 229026, 249026,



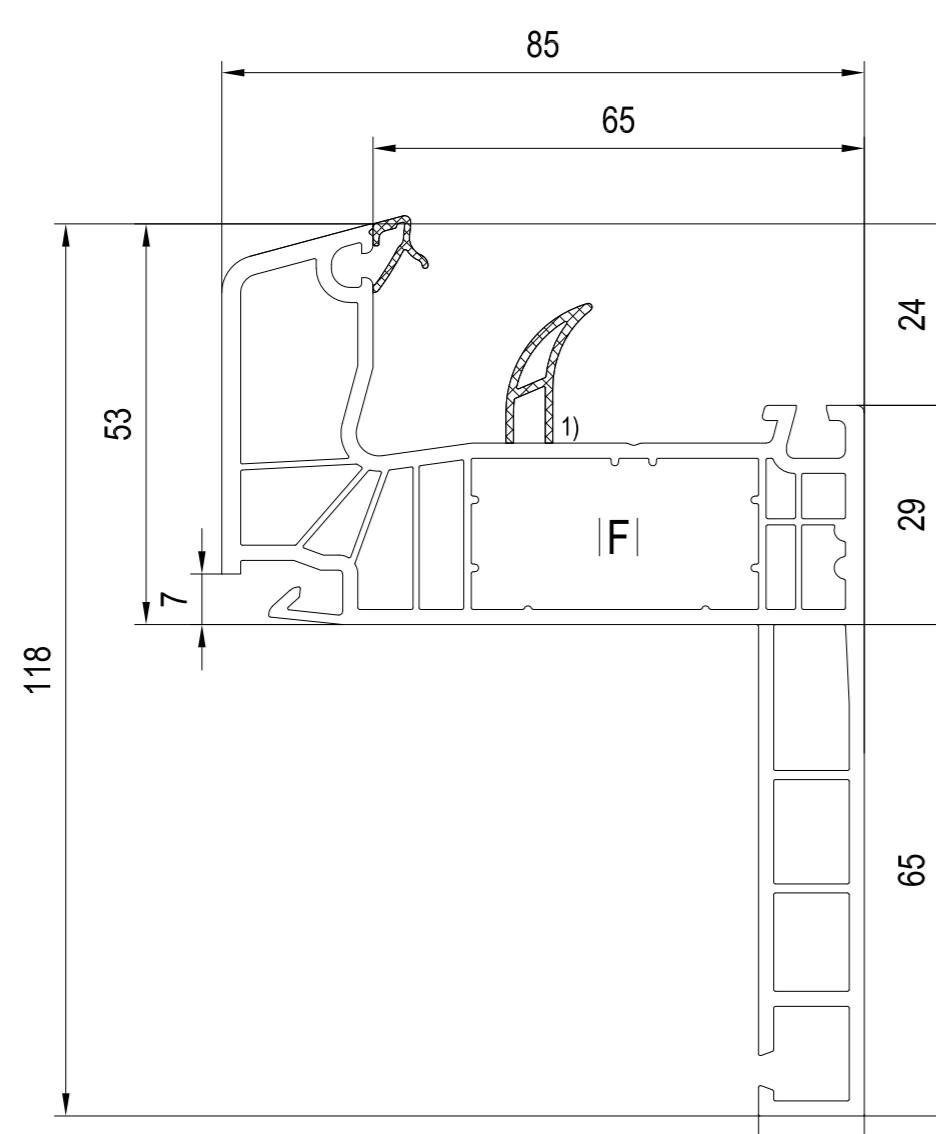
■ 010x25
IA 670301
FI 229037



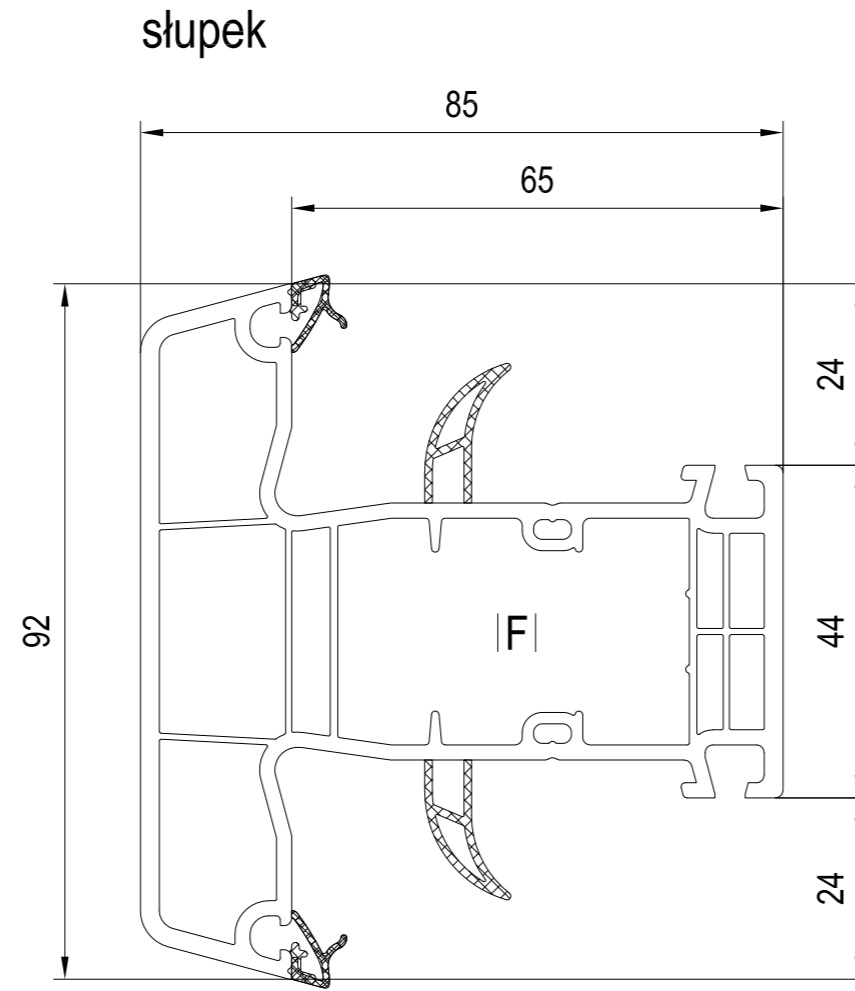
■ 010x27
IA 670301
FI 229037



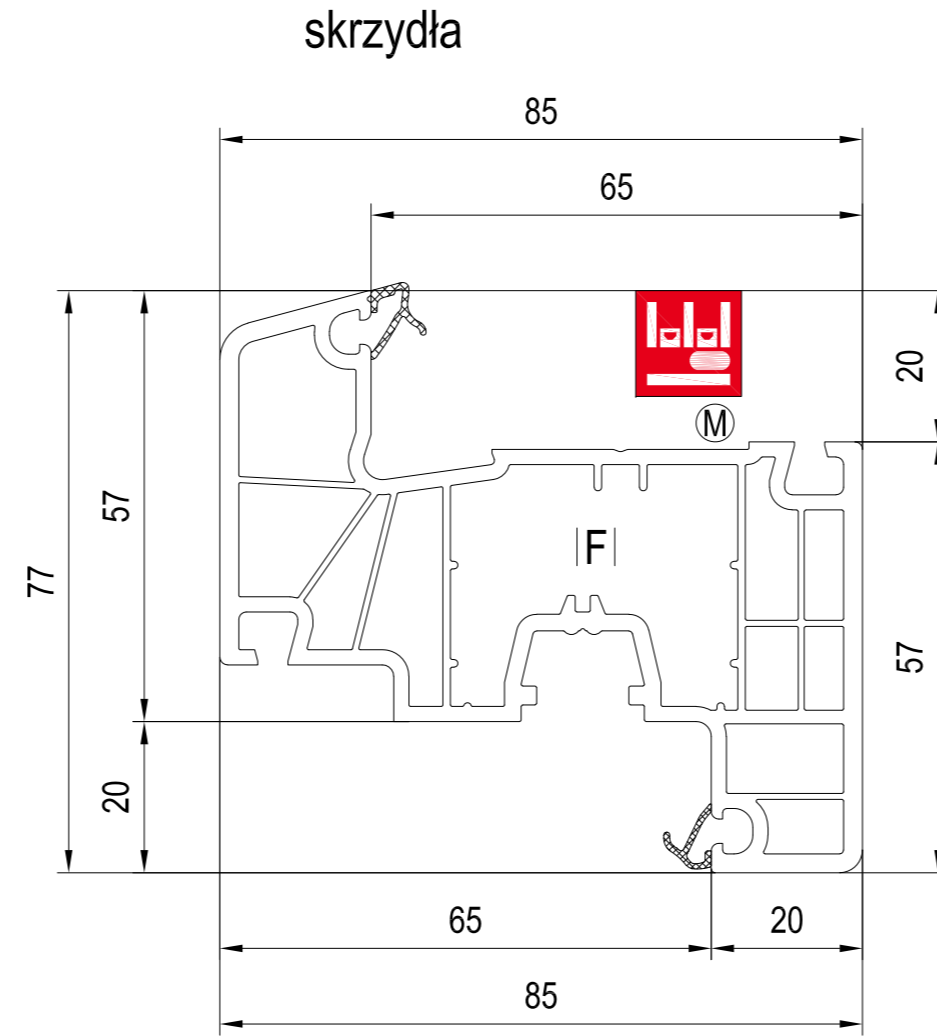
■ 010x26
IA 670301
FI 229037



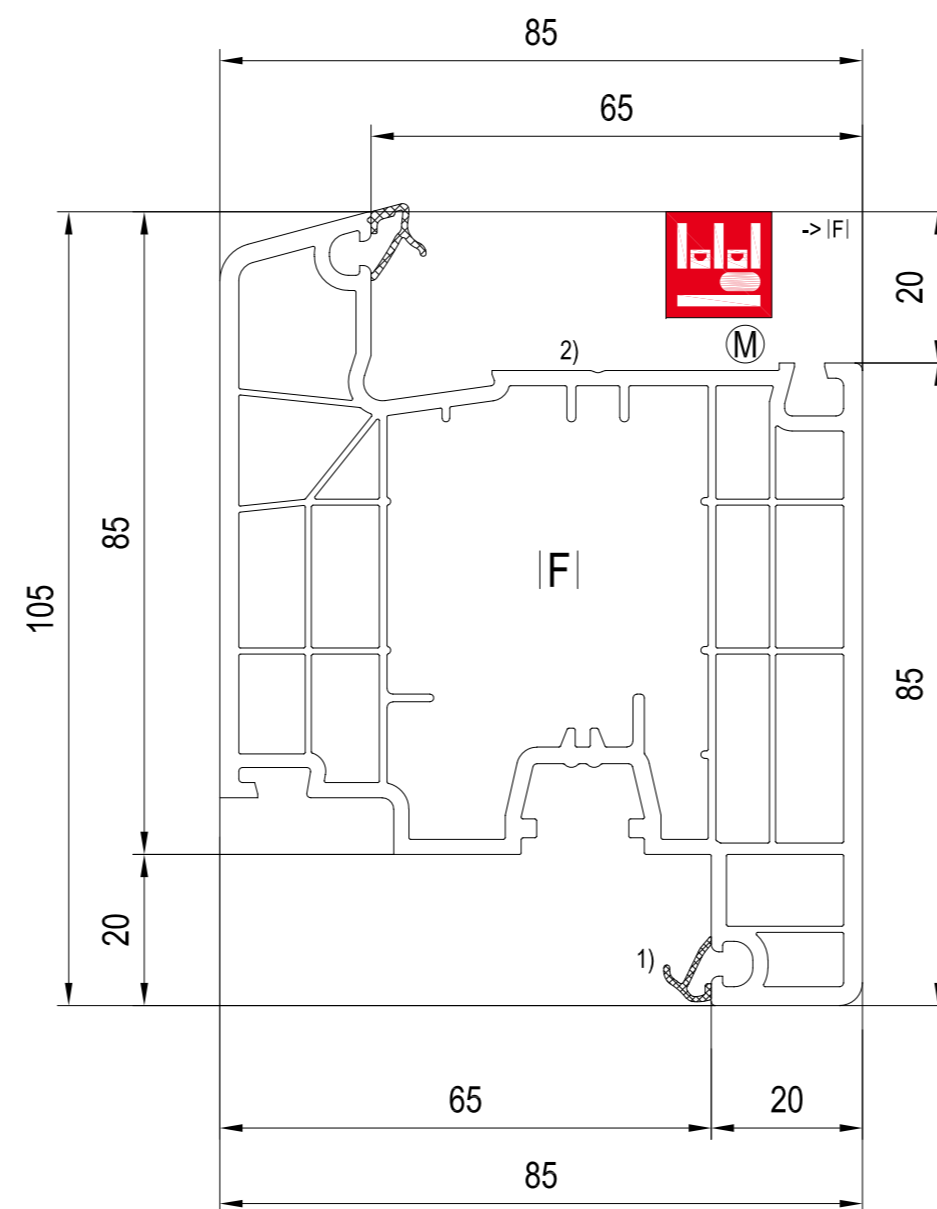
■ 010x28
IA 670301
FI 229037



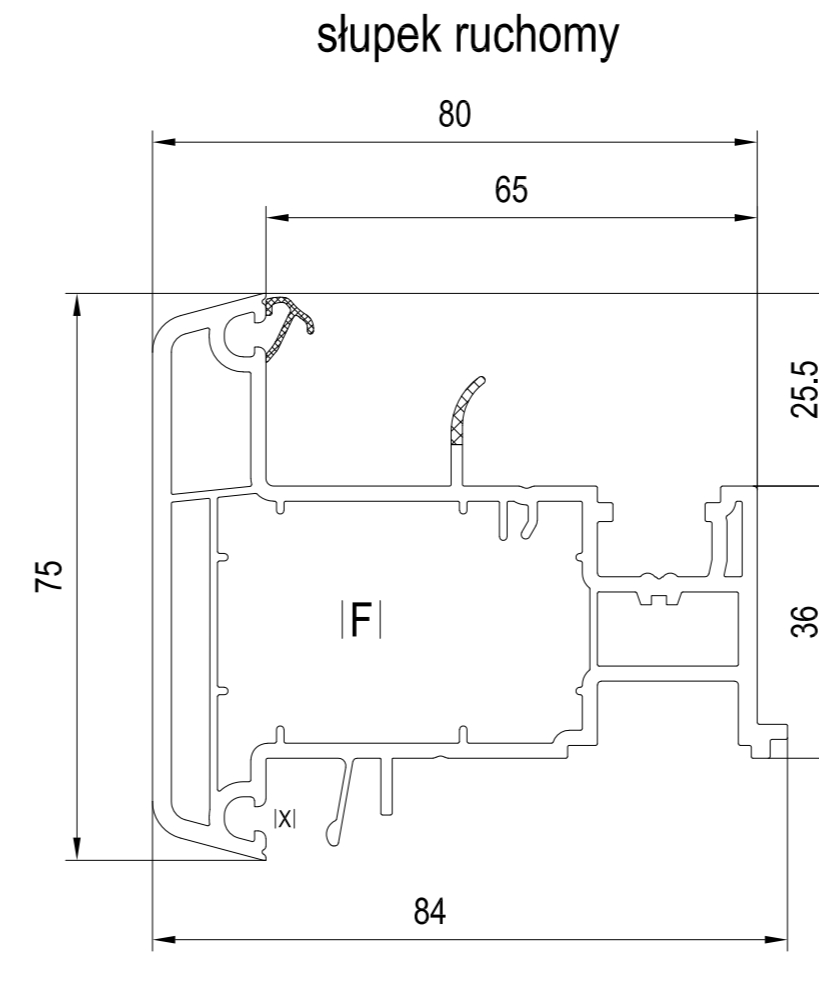
■ 010x23
IA 670301
FI 229102, 229103
D 617034
XI 612033, 610033 ~ 617034



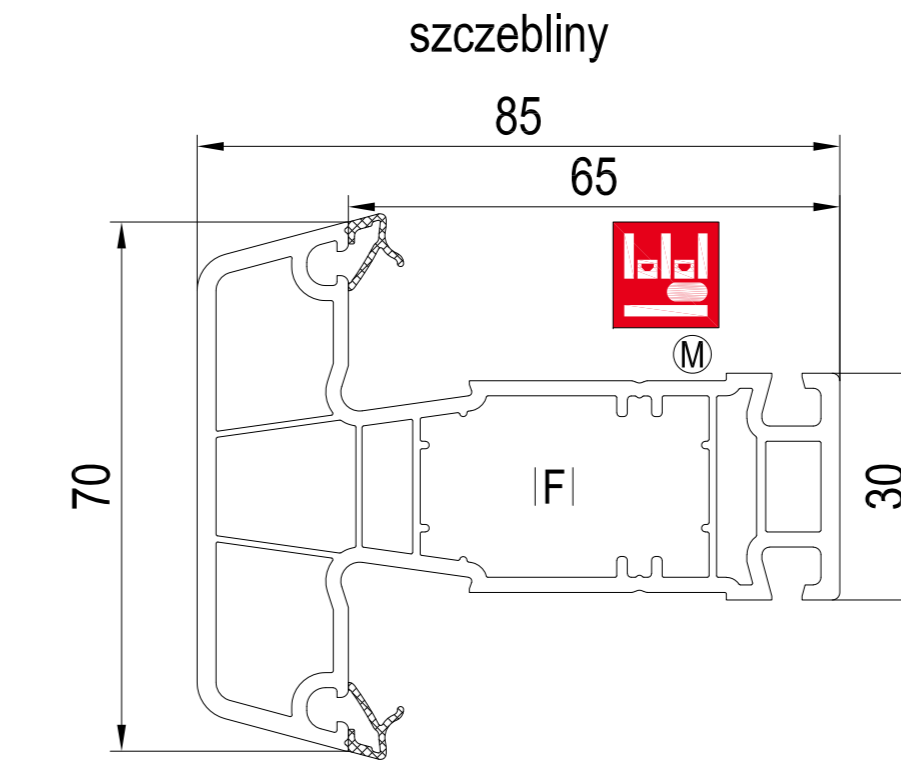
■ 110x21
M/A 650250, 650252, 655251, 680250, 685251
FI 229023, 229025, 229024, 229026, 249026
M/J 642262, 642261, 642263, 640033, 640034,
640035, 646265, 646266



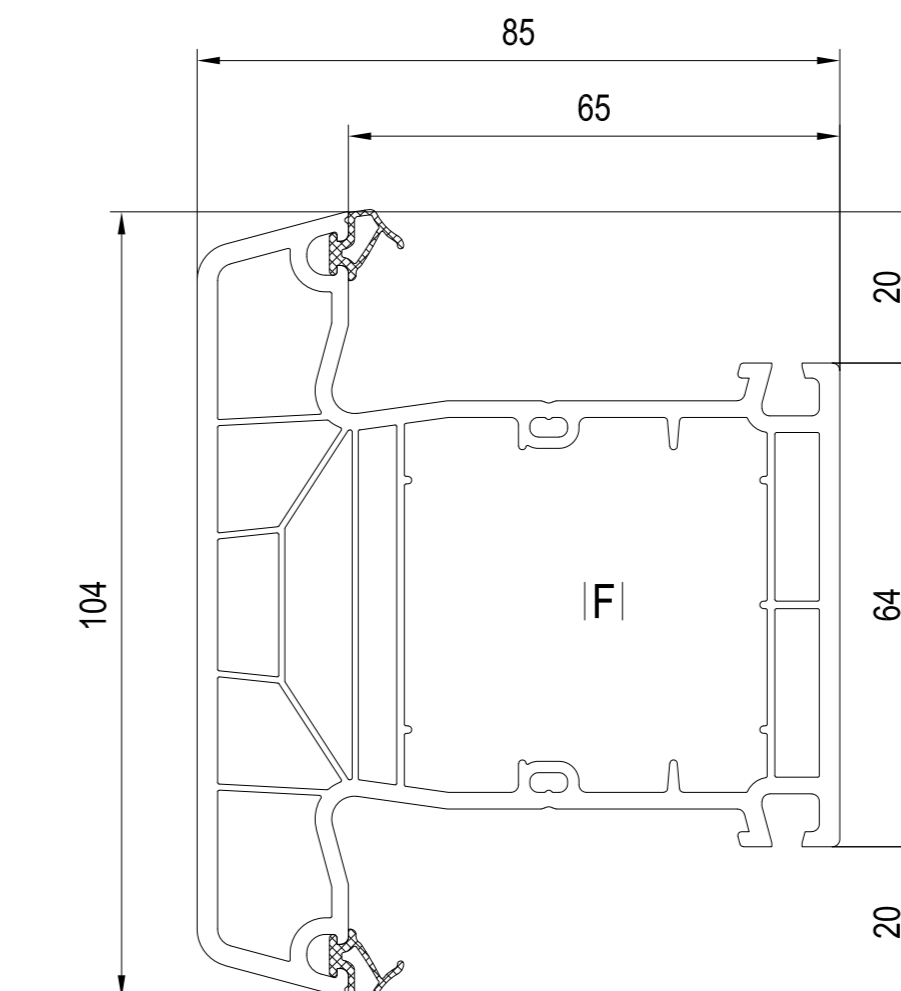
■ 110x30
M/A 650250, 650252, 655251, 680250, 685251
FI 259031, 229114, 229115
M/J 642262, 642261, 642263, 640033, 640034,
640035, 646265, 646266



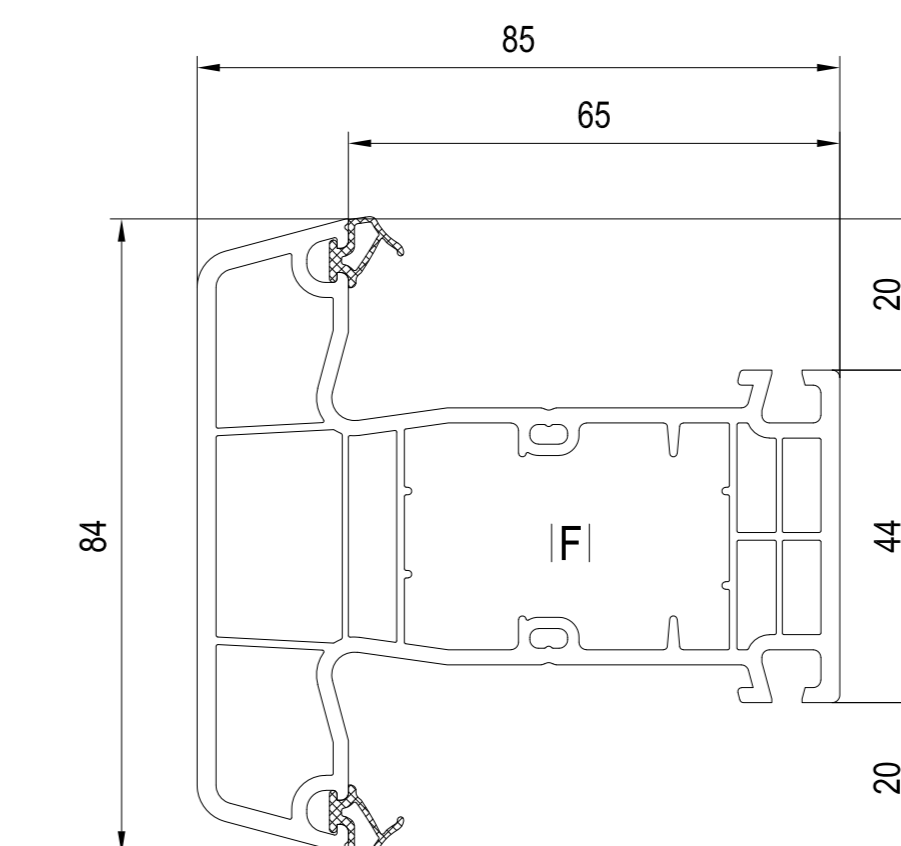
■ 110x65
CI 610065
FI 229029, 229030, 289066
XI 447340, 449340



■ 180x46 (CL)
M/A 650250, 650252, 655251,
680250, 685251 oder M/J
M/D 687246 ~ M ...
D 680046 ~ universal
FI 229037
M/J 642261, 642262, 642263, 646265,
646266, 640033, 640034, 640035



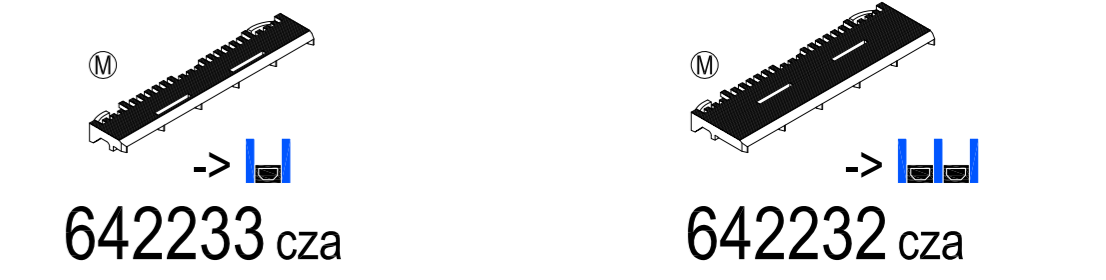
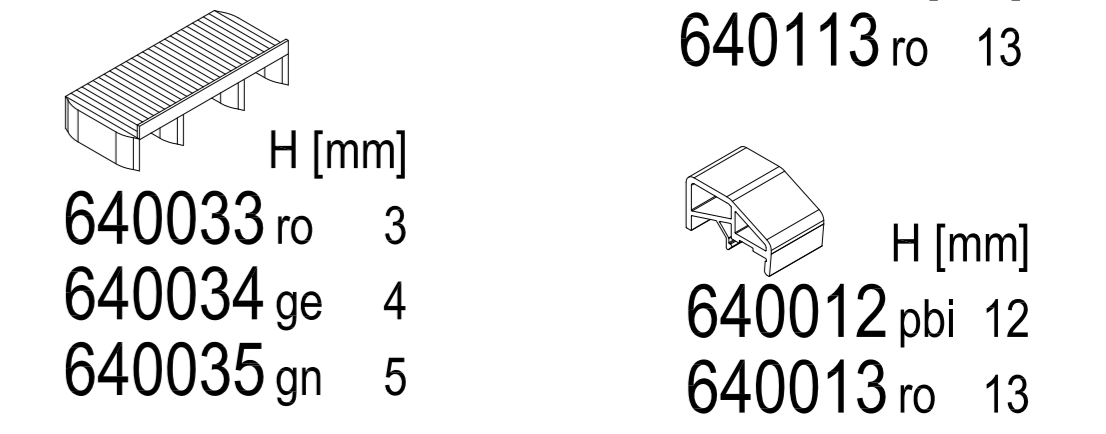
■ 170x44 (CL)
M/A 670301
M/D 677244 ~ M ...
D 640046 ~ universal
FI 249034, 249035



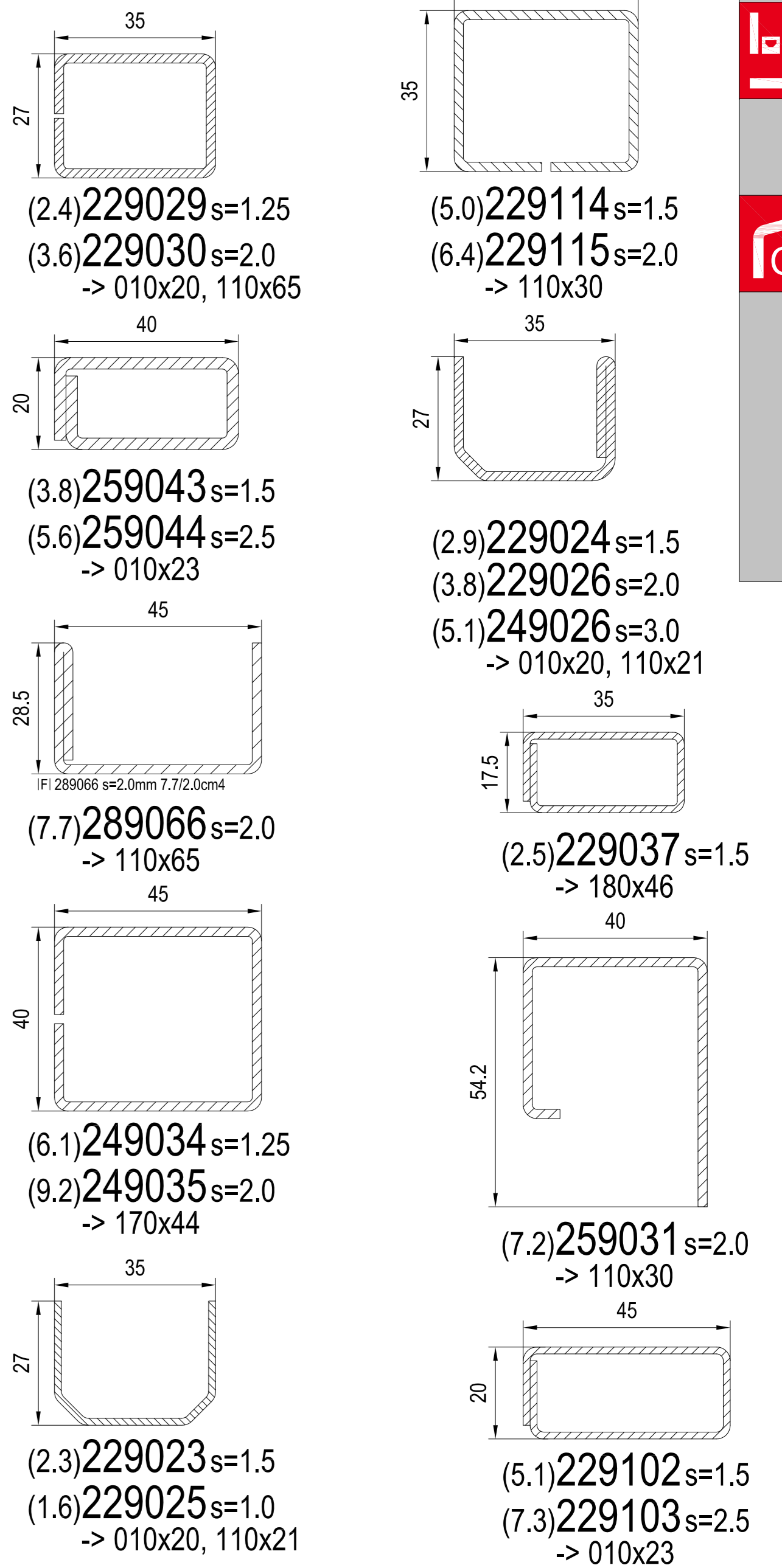
■ 170x41 (CL)
M/A 670301
M/D 677241 ~ M ...
D 620046, 640046 ~ universal
FI 259043, 259044

dodatki

J podkładki do wklejania szymb



FI wzmocnienia (...) = lx



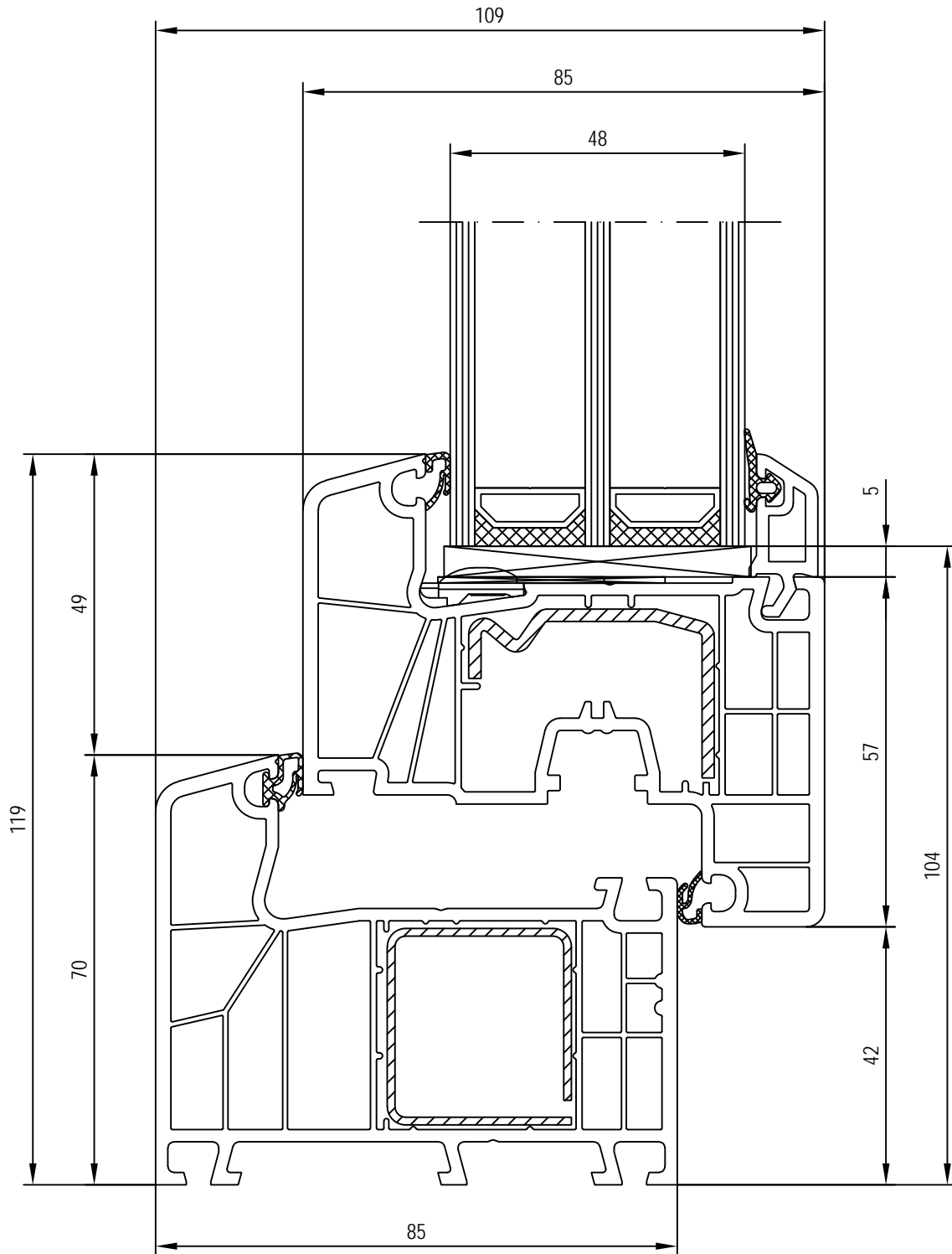
LISTWY PRZYSZYBOWE	65mm ± M [4]	14 - 15mm	16 - 17mm	18 - 19mm	20 - 21mm	22 - 23mm	24 - 25mm	26 - 27mm	28 - 29mm	30 - 31mm	32 - 33mm	34 - 35mm	36 - 37mm	38 - 39mm	40 - 41mm	42 - 43mm	44 - 45mm	46 - 47mm	48 - 49mm	50 - 51mm	52mm	14-52
(CL) Classic-line																						
h = 20mm ^(1,2)																						
kolor uszczelki																						
ściśnięta																						
czarny [mm]		■ 140741 [6]	■ 140841 [4]	■ 140641 [2]	■ 120740 [6]	■ 120840 [4]	■ 120640 [2]	■ 120738 [6]	■ 120838 [4]	■ 120638 [2]	■ 120736 [6]	■ 120836 [4]	■ 120636 [2]	■ 120835 [4]	■ 120635 [2]	■ 120833 [4]	■ 120633 [2]	■ 120832 [4]	■ 120632 [2]	±(QL)	±(QL)	
papirusowa biel [mm]		■ 140771 [6]	■ 140871 [4]	■ 140671 [2]	■ 120770 [6]	■ 120870 [4]	■ 120670 [2]	■ 120768 [6]	■ 120868 [4]	■ 120668 [2]	■ 120766 [6]	■ 120866 [4]	■ 120666 [2]	■ 120865 [4]	■ 120665 [2]	■ 120863 [4]	■ 120663 [2]	■ 120862 [4]	■ 120662 [2]	±(QL)	±(QL)	46-12
(QL) Qube-line																						
h = 20mm ^(1,2)																						
kolor uszczelki																						
ściśnięta																						
czarny [mm]		±(CL)	±(CL)	±(CL)	■ 150736 [6]	■ 150836 [4]	■ 150636 [2]	■ 150735 [6]	■ 150835 [4]	■ 150635 [2]	■ 150734 [6]	■ 150834 [4]	■ 150634 [2]	■ 150733 [6]	■ 150833 [4]	■ 150633 [2]	■ 150732 [6]	■ 150832 [4]	■ 150632 [2]	■ 150831 [4]	■ 150631 [2]	40-8
papirusowa biel [mm]		±(CL)	±(CL)	±(CL)	■ 150766 [6]	■ 150866 [4]	■ 150666 [2]	■ 150765 [6]	■ 150865 [4]	■ 150665 [2]	■ 150764 [6]	■ 150864 [4]	■ 150664 [2]	■ 150763 [6]	■ 150863 [4]	■ 150663 [2]	■ 150762 [6]	■ 150862 [4]	■ 150662 [2]	■ 150861 [4]	■ 150661 [2]	

D łączniki
D łączniki bez kolnierzy

A podkładki bazowe do szklenia

C zaślepka do słupka ruchomego
X uszczelki

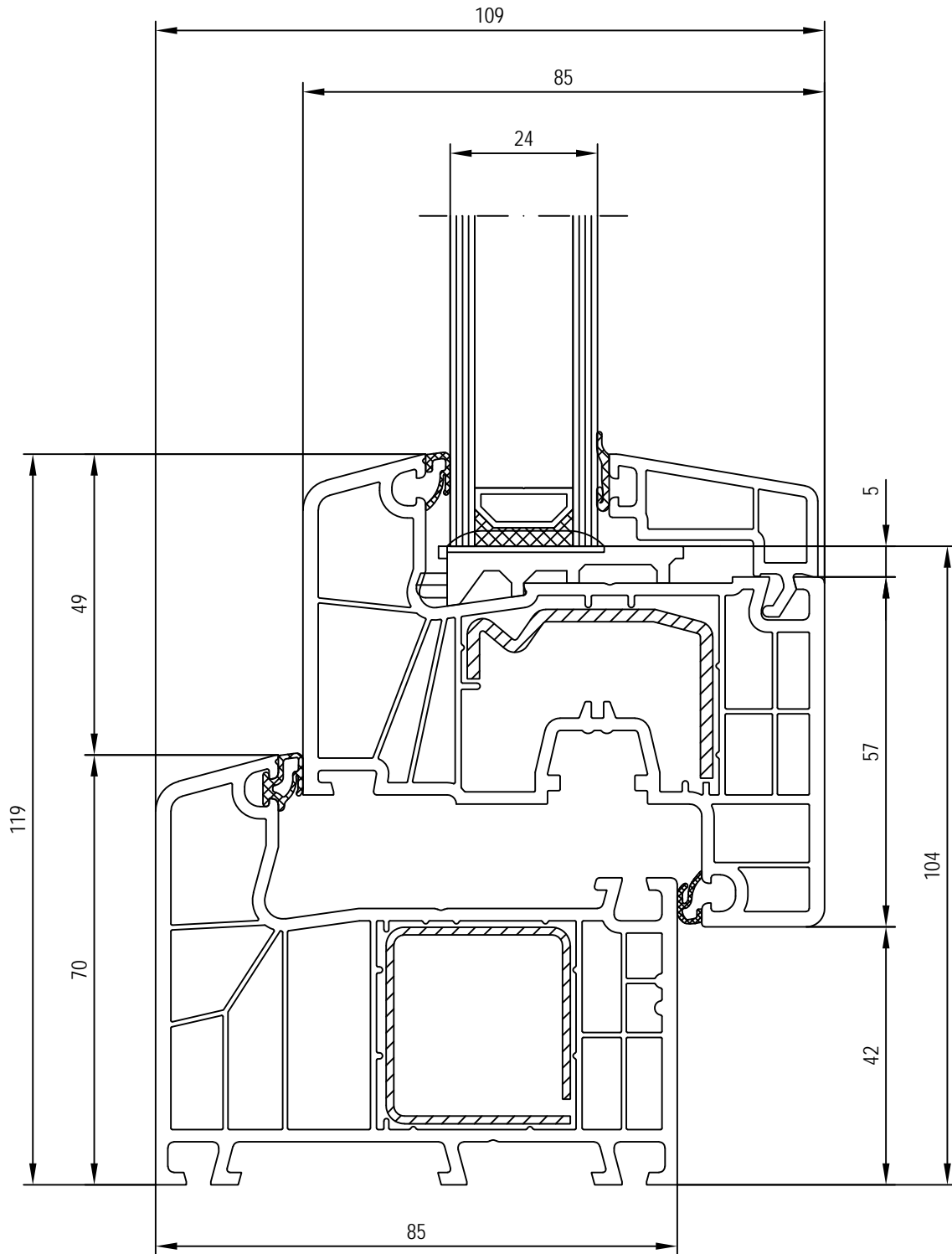
nie występuje w kolorze / okleinie
występuje w kolorze / okleinie
A podkładka bazowa do szklenia
C zaślepka do słupka ruchomego
D łącznik bez kolnierza
D łącznik
FI wzmocnienie
J podkładka do wklejania szymb
X uszczelka
cza czarny
pbi papirusowa biel



frame profile 85mm: 170x02
 sash profile 85mm: 170x20
 glazing bead: 120632



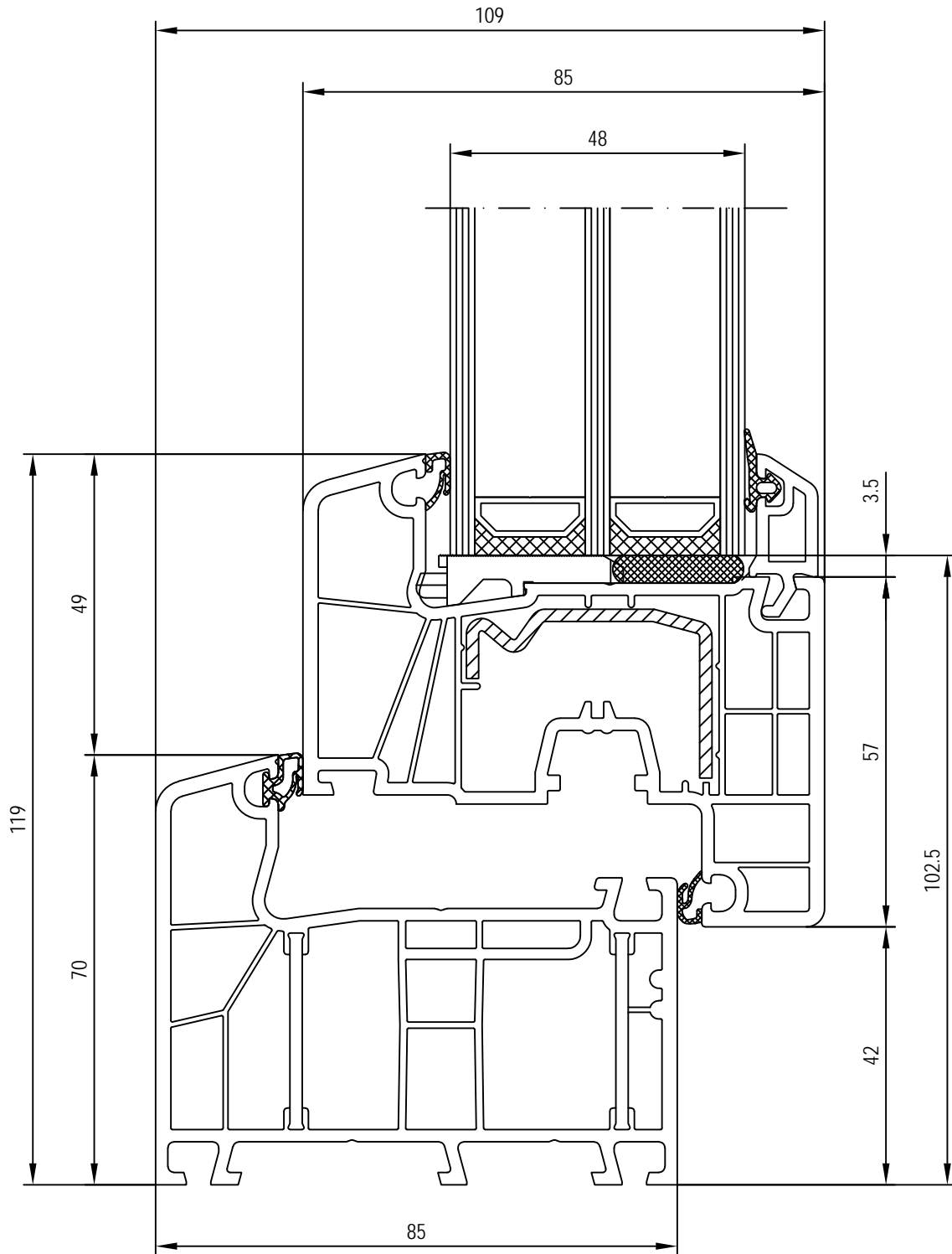
IDEAL 7000
 profile section



frame profile 85mm: 170x02
 sash profile 85mm: 170x20
 glazing bead: 120640



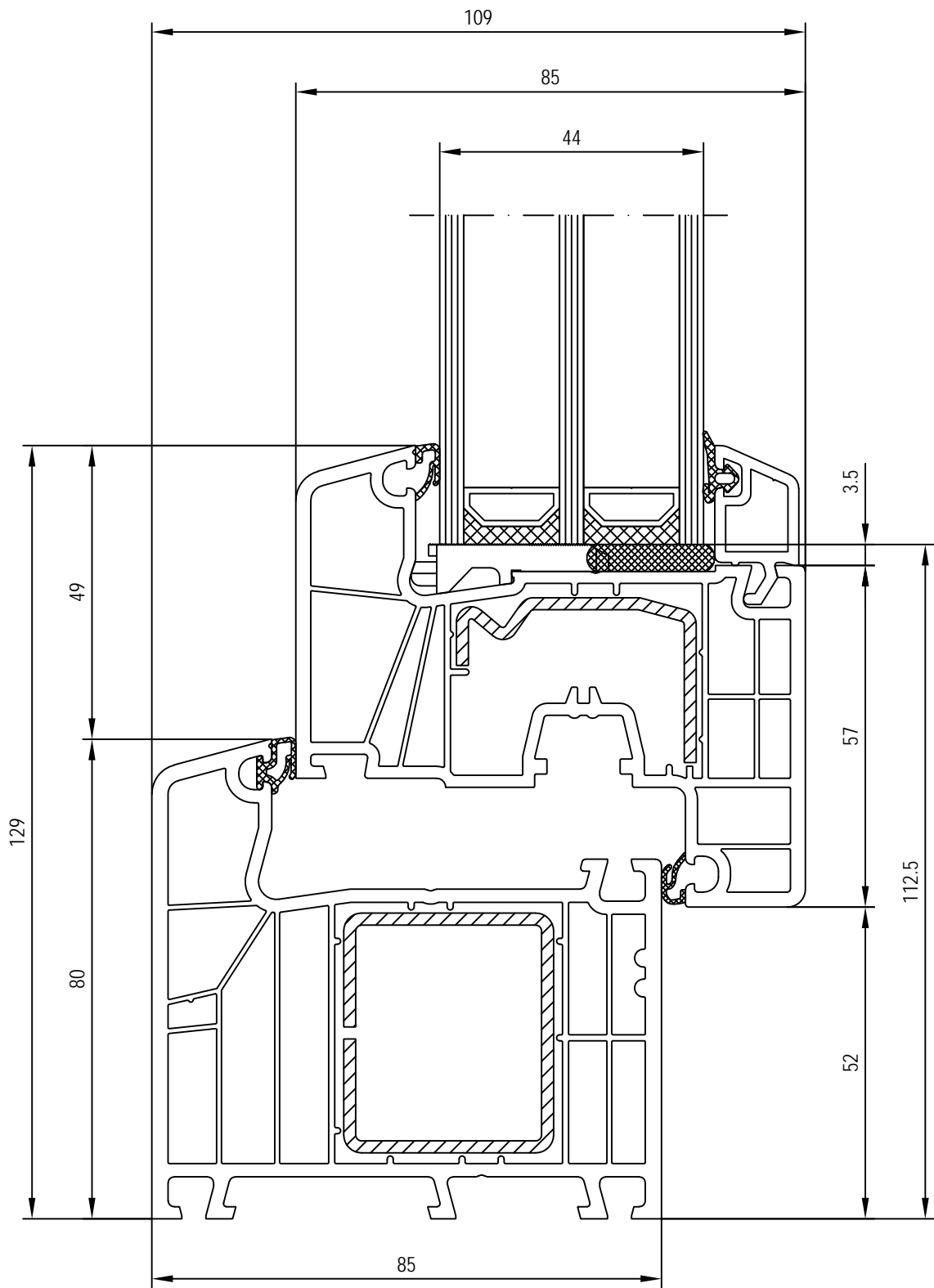
IDEAL 7000
 profile section



frame profile 85mm: 070x02
 sash profile 85mm: 170x20
 glazing bead: 120632



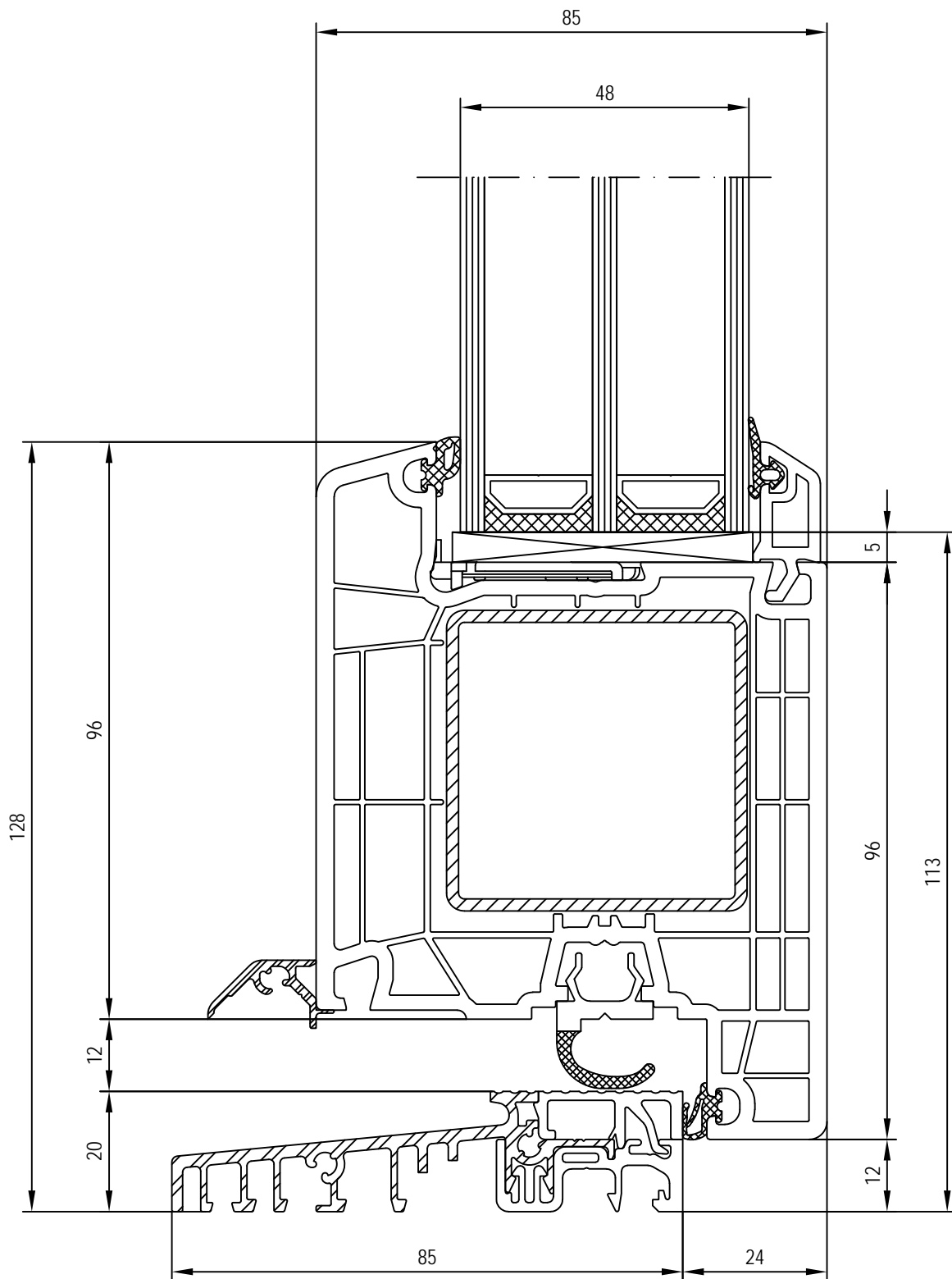
IDEAL 7000
 profile section



frame profile 85mm: 170x03
 sash profile 85mm: 170x20
 glazing bead: 120633



IDEAL 7000
 profile section

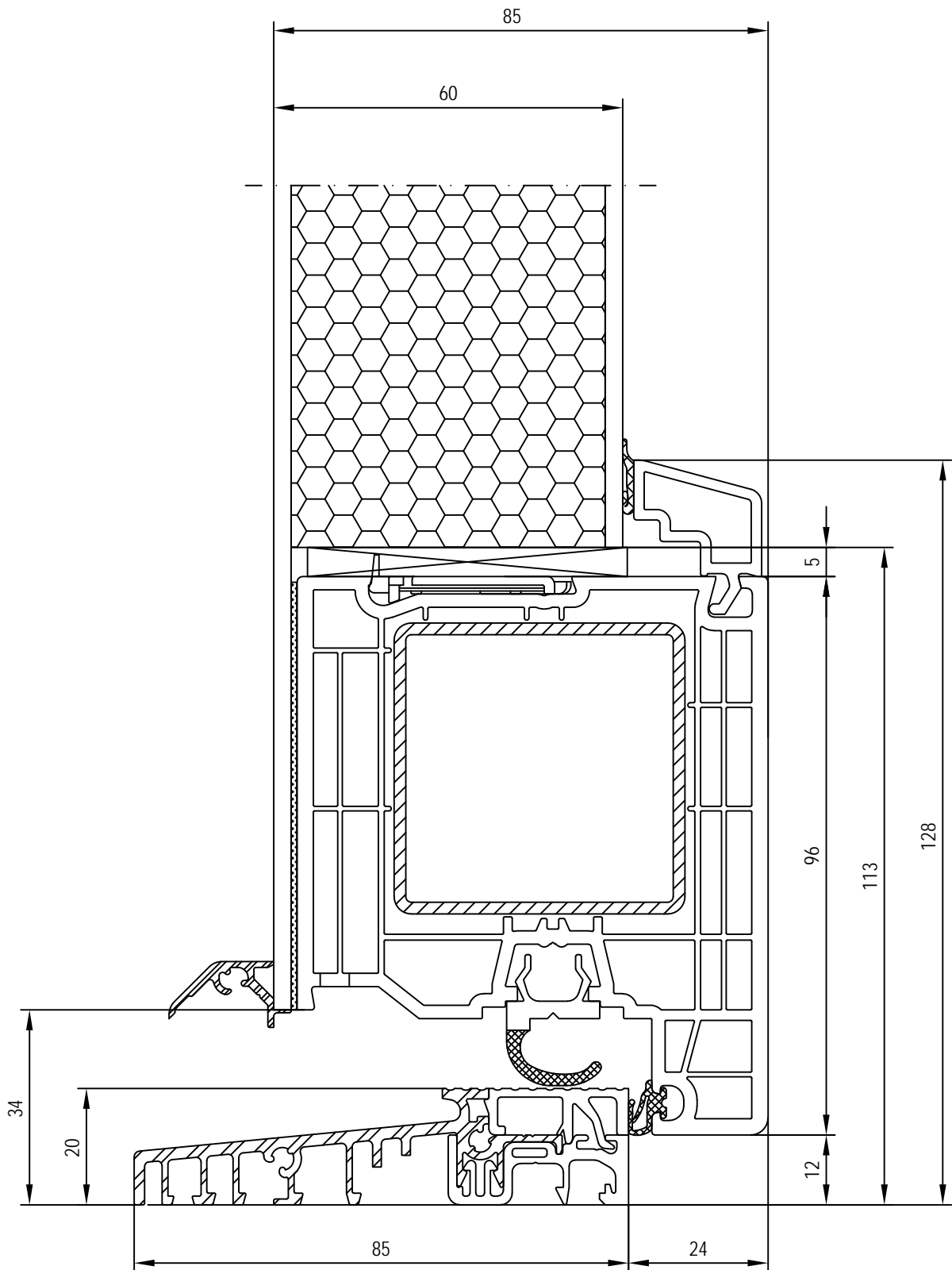


sash profile 85mm: 170x33
 threshold profile 85mm: 269060
 glazing bead: 120632



IDEAL 7000 Doors / Thresholds

profile section

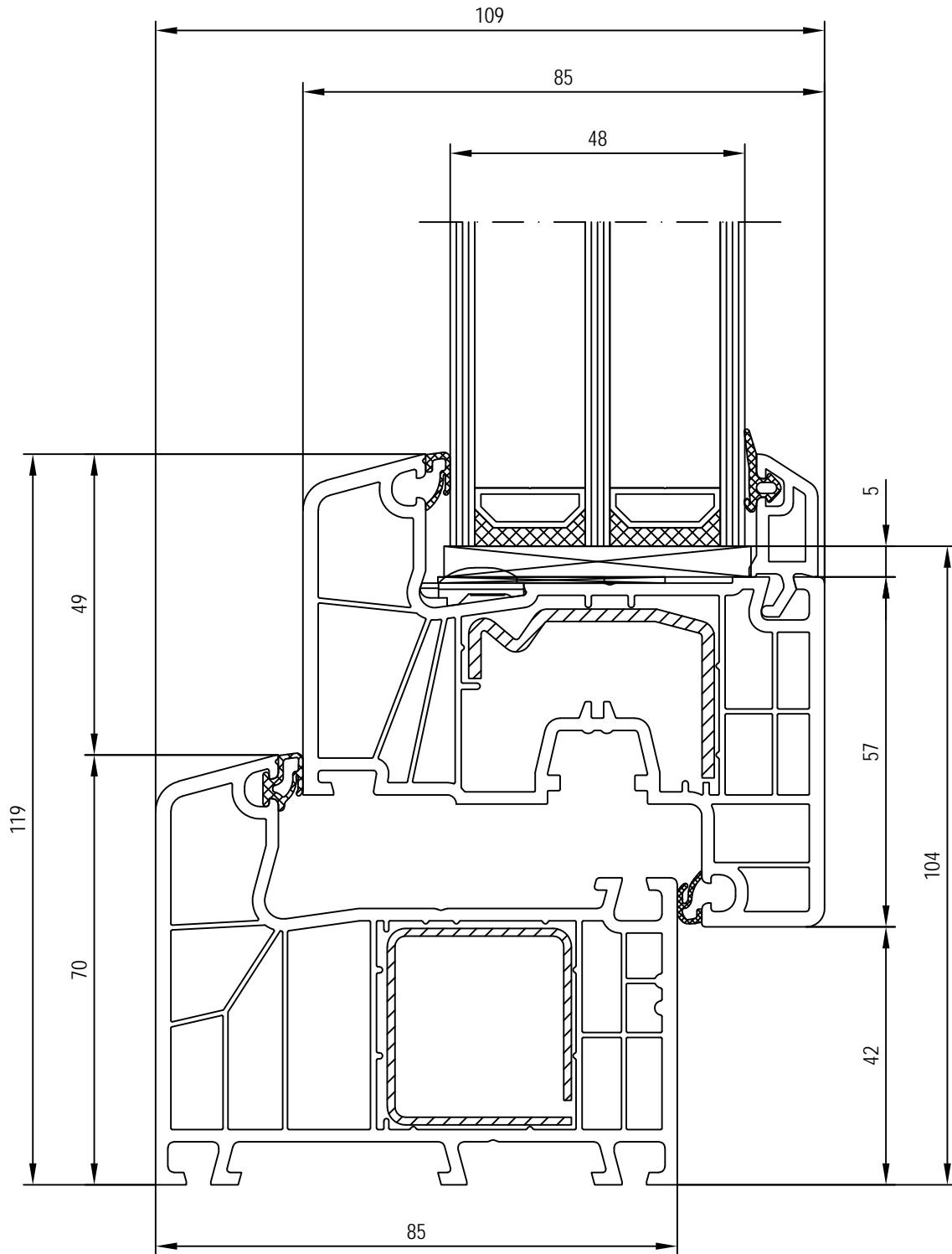


sash profile 70mm: 170x39
 threshold profile 70mm: 269060
 glazing bead: 120636



IDEAL 7000 - Doors / Thresholds

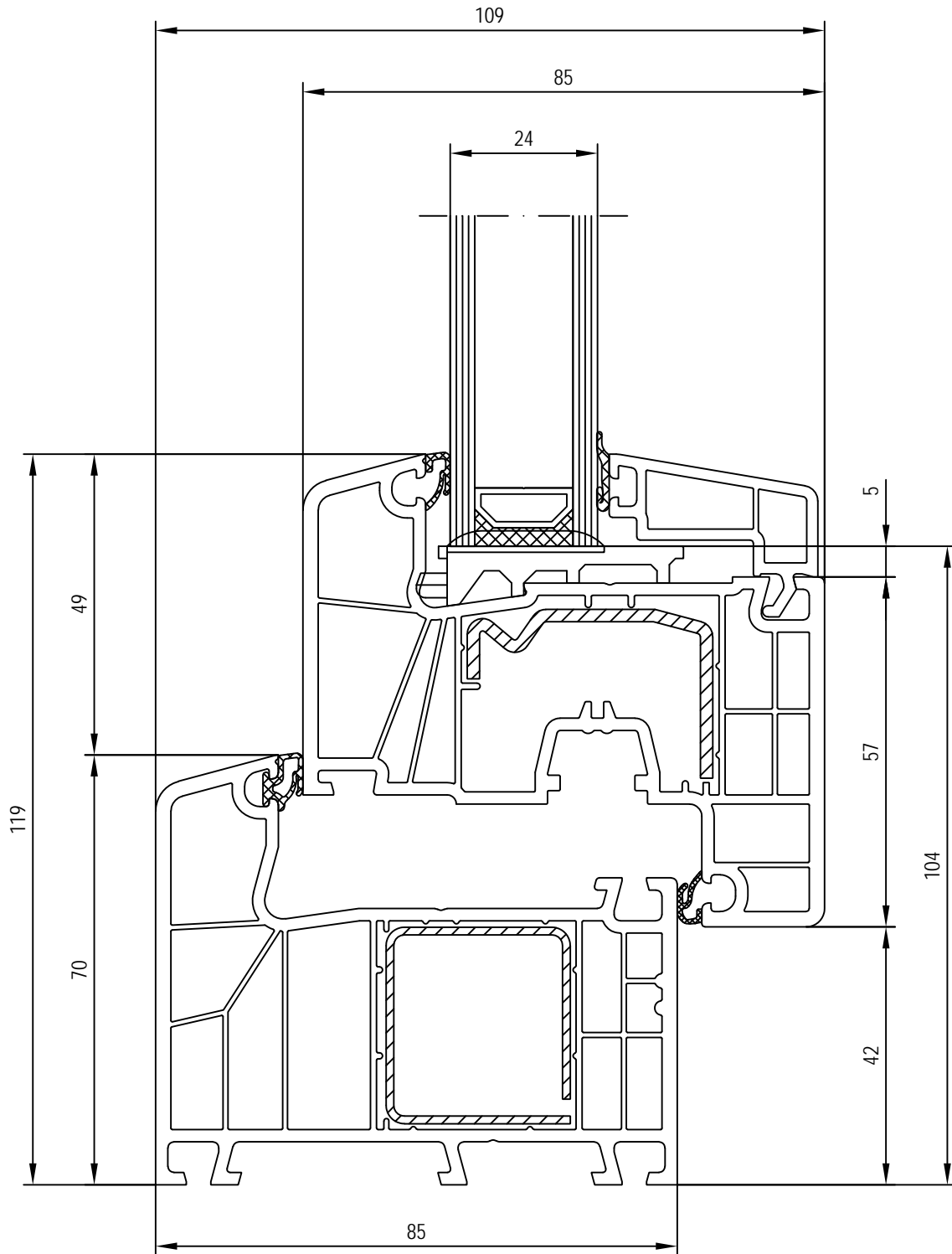
profile section



frame profile 85mm: 170x02
 sash profile 85mm: 170x20
 glazing bead: 120632



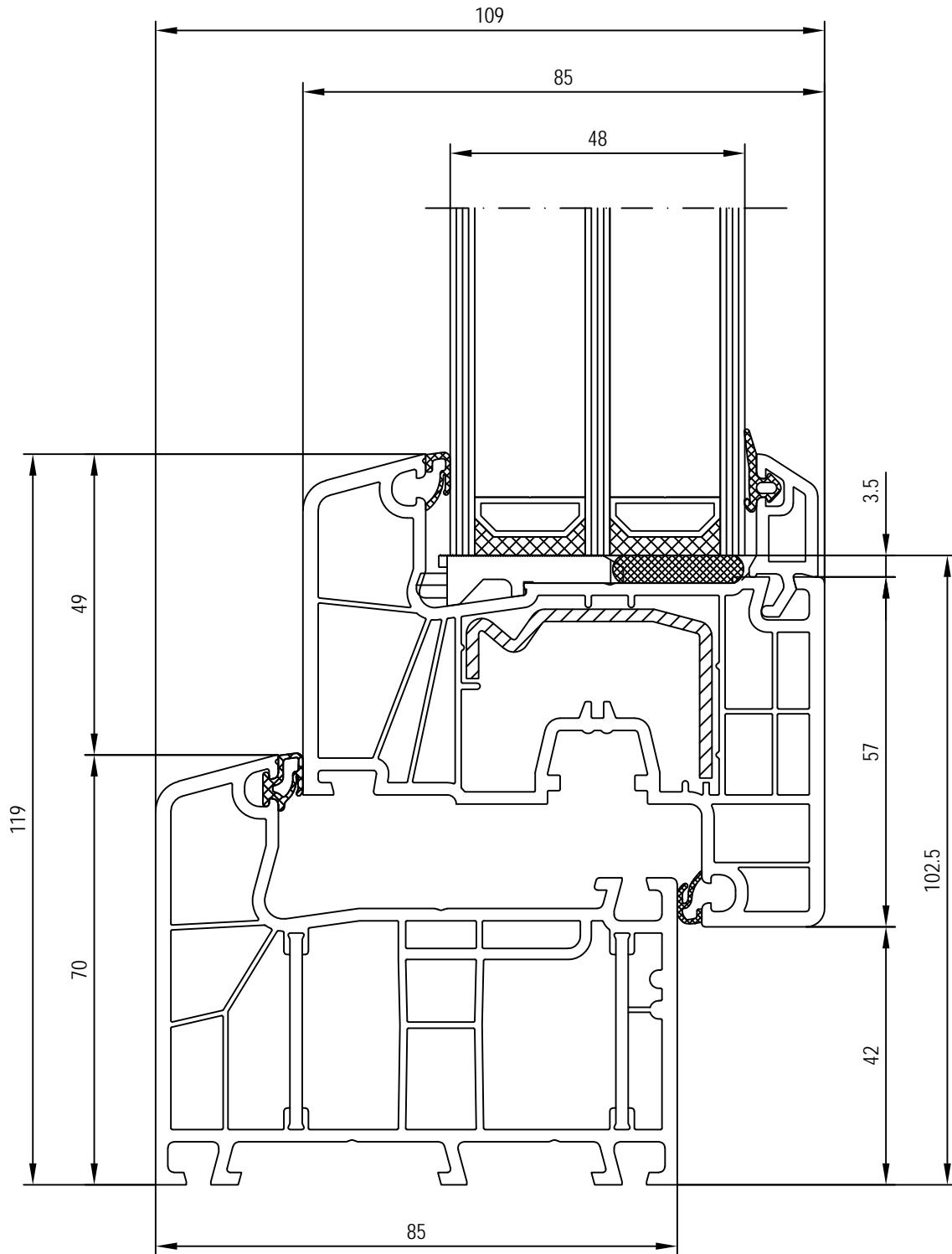
IDEAL 7000
 profile section



frame profile 85mm: 170x02
 sash profile 85mm: 170x20
 glazing bead: 120640



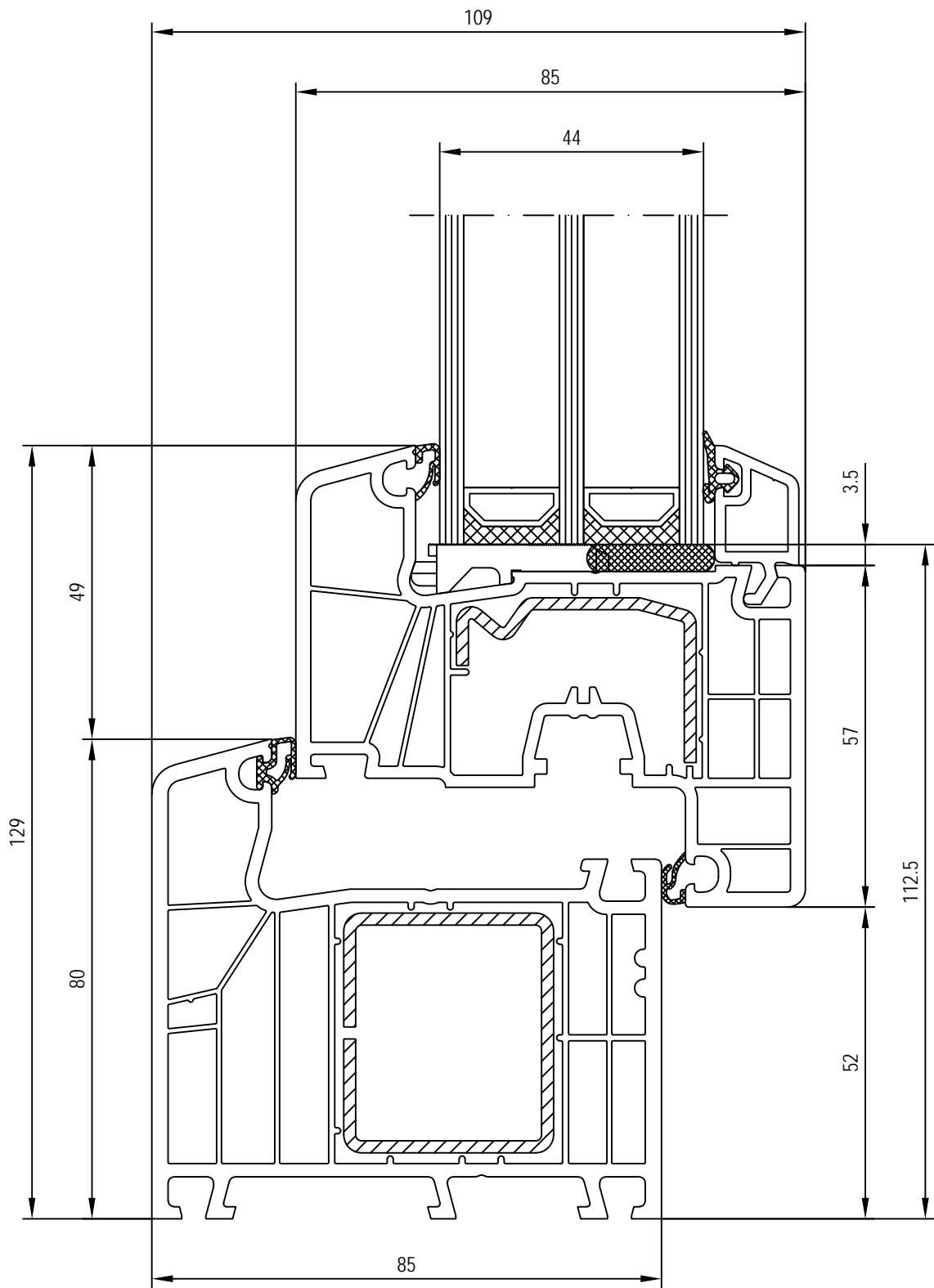
IDEAL 7000
 profile section



frame profile 85mm: 070x02
 sash profile 85mm: 170x20
 glazing bead: 120632



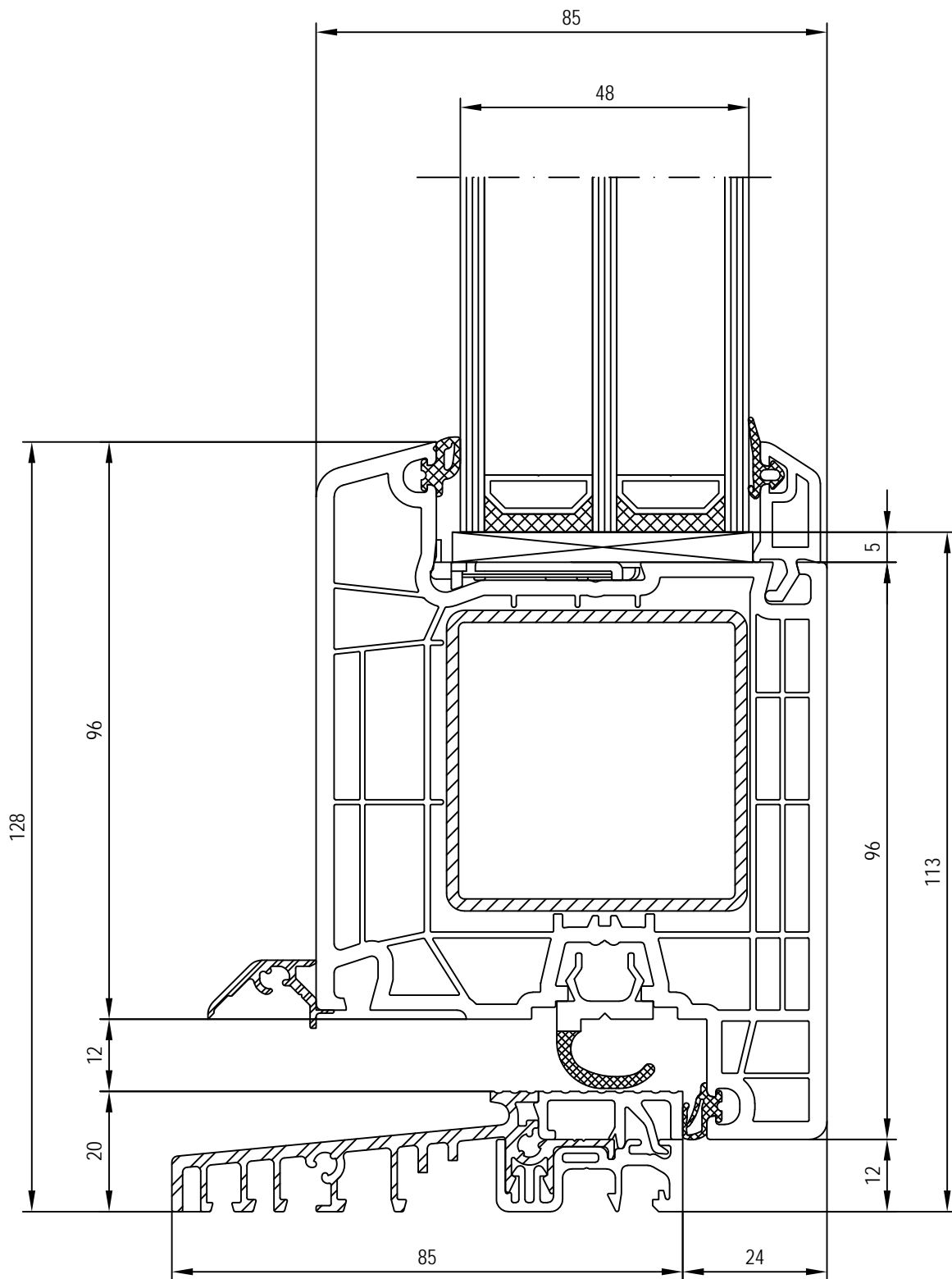
IDEAL 7000
 profile section



frame profile 85mm: 170x03
 sash profile 85mm: 170x20
 glazing bead: 120633



IDEAL 7000
 profile section

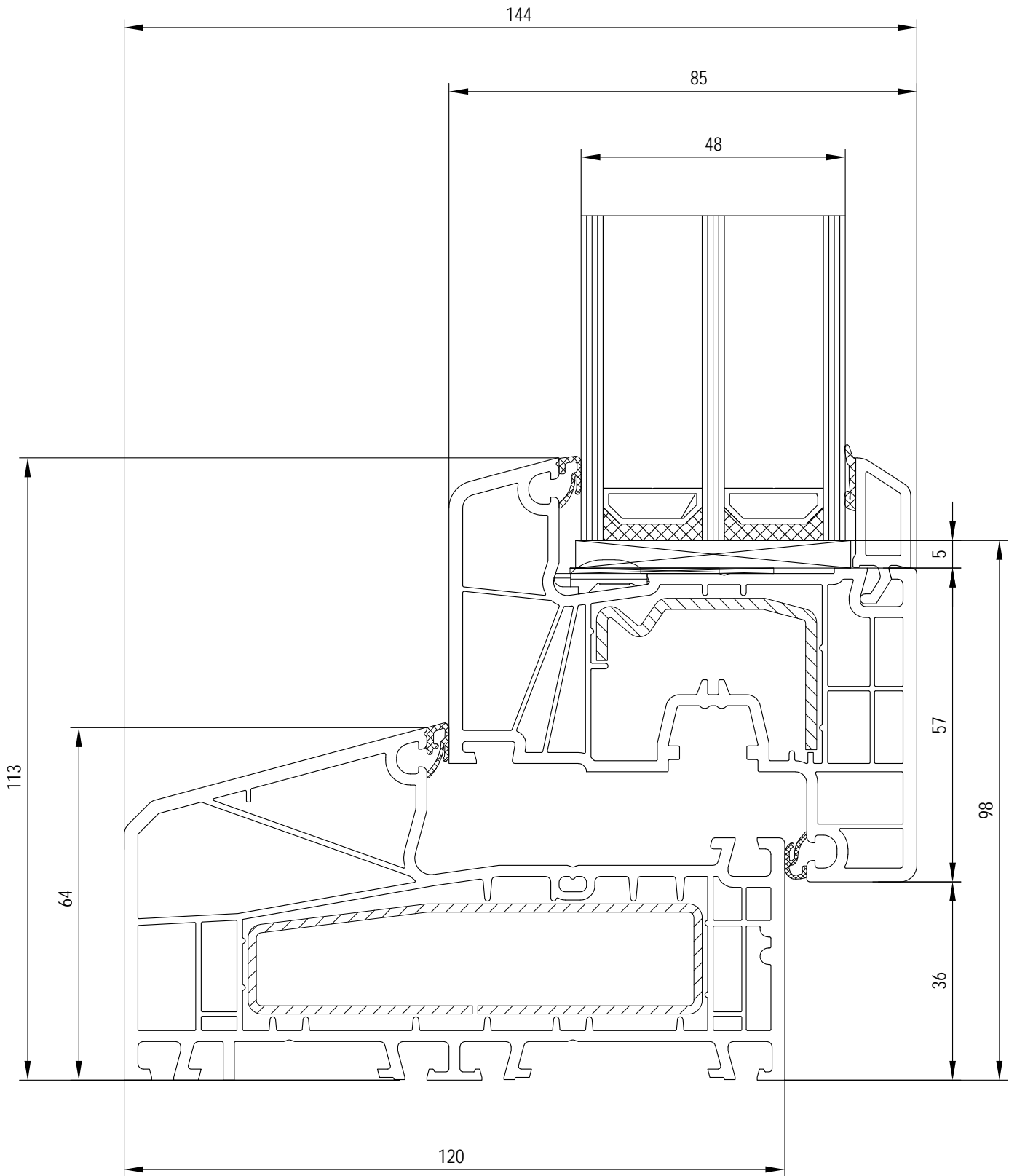


sash profile 85mm: 170x33
 threshold profile 85mm: 269060
 glazing bead: 120632

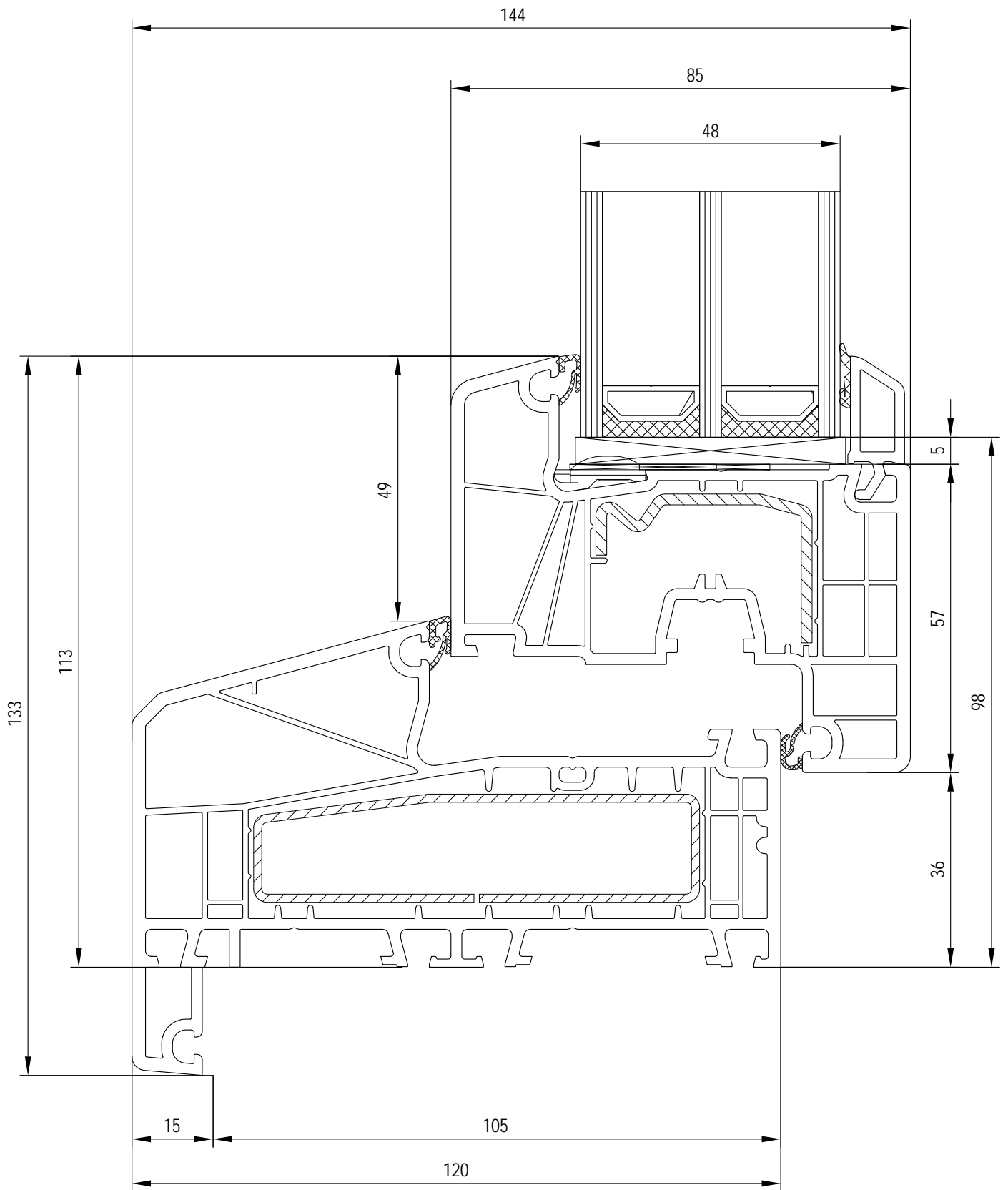


IDEAL 7000 Doors / Thresholds

profile section



frame profile 120mm: 170x53
 sash profile 85mm: 170x20
 glazing bead: 120632



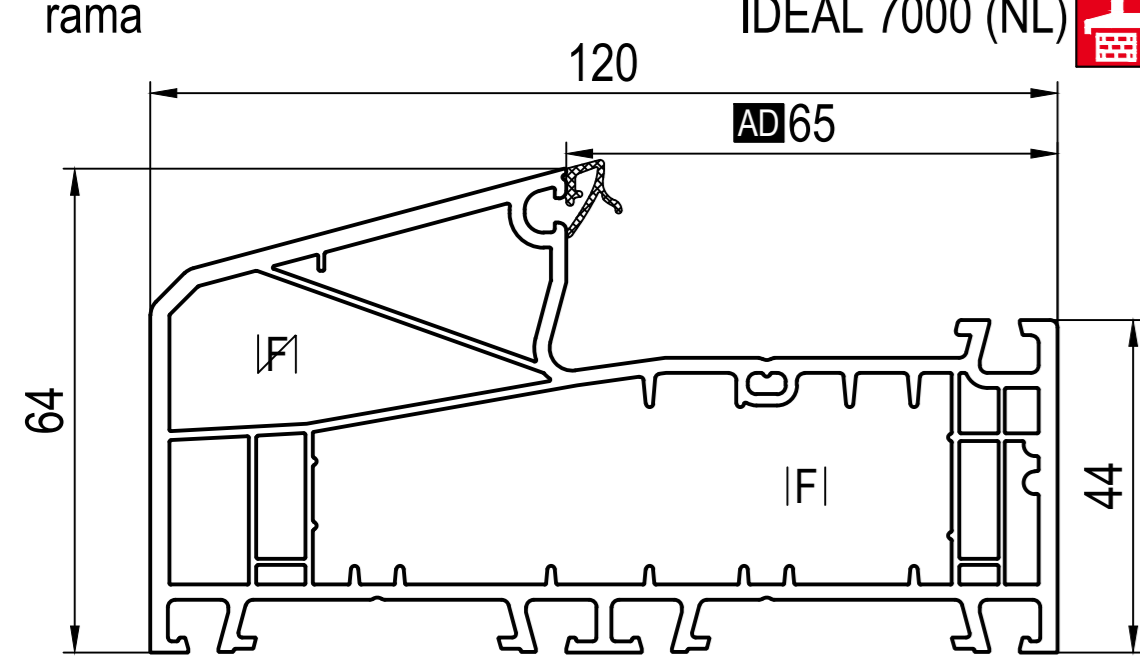
frame profile 120mm: 170x54
 sash profile 85mm: 170x20
 glazing bead: 120632



IDEAL 7000 NL

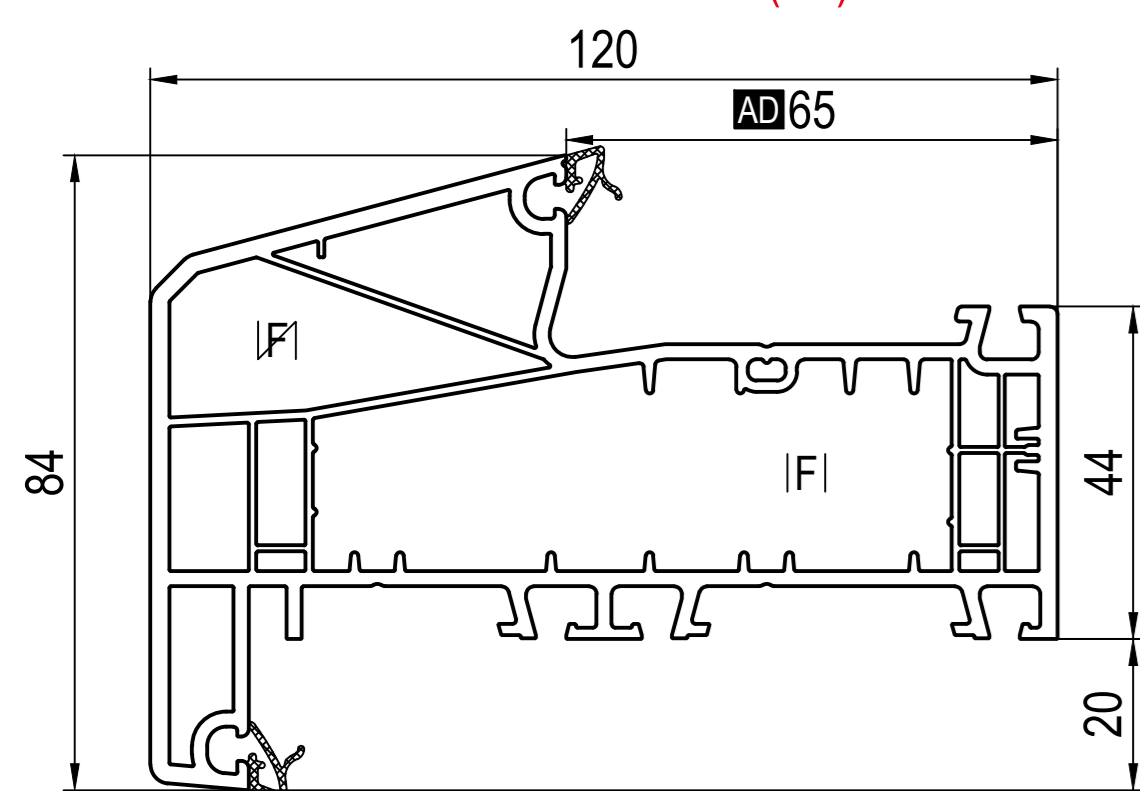
profile section

profile główne rama IDEAL 7000 (NL)



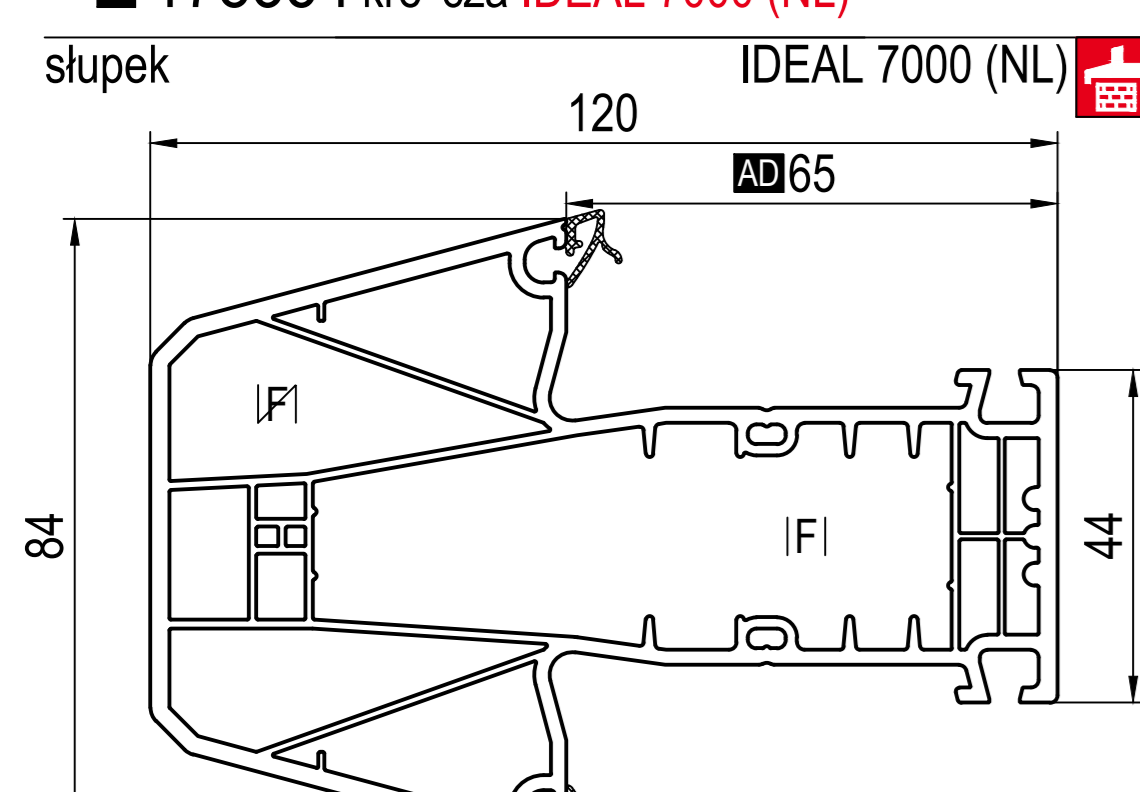
■ 170x53 (CL) (NL)
IA 670301
FI 279054, 279055
FI 229107
II 640441
IP - + 170x58
IU 287070
OI 680047 OI 670970 IXI 486070 IXI 690072

■ 178353 kre cza IDEAL 7000 (NL)



■ 170x54 (CL) (NL)
IA 670301
FI 279054, 279055
FI 229107
II 640441
IP - + 170x58
IU 287070
OI 680047 OI 670970 IXI 486070 IXI 690072

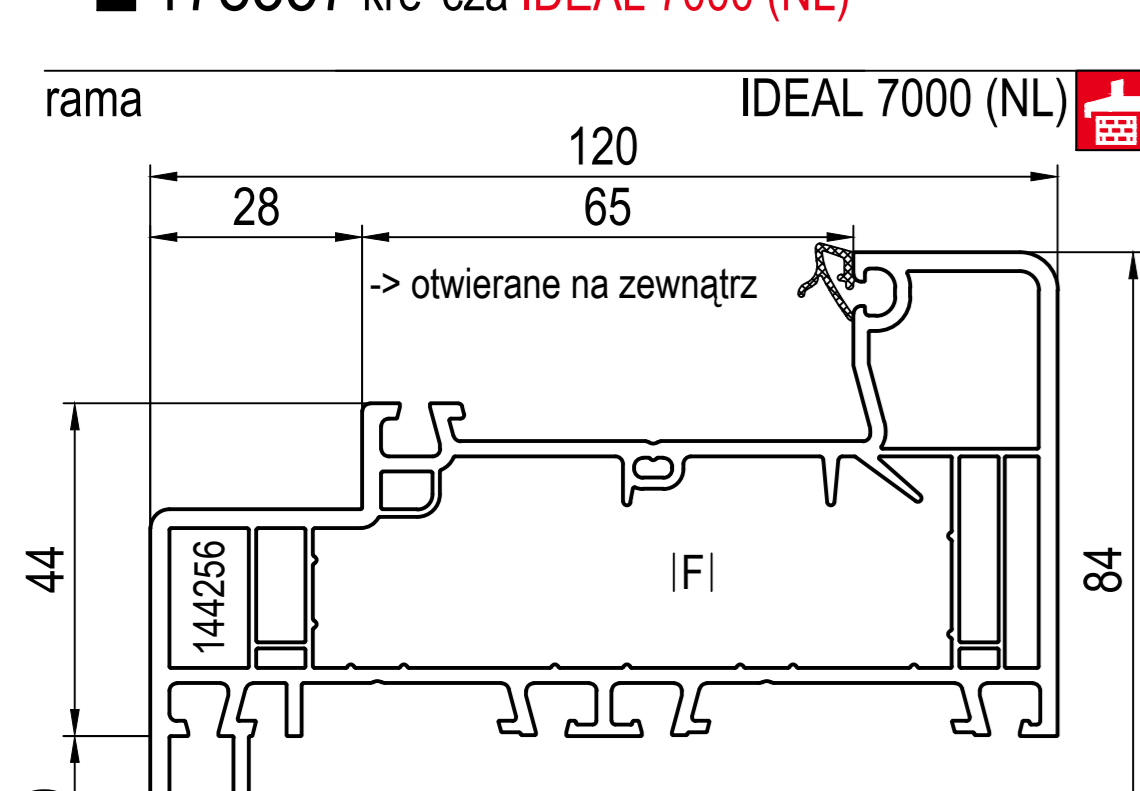
■ 178354 kre cza IDEAL 7000 (NL)



■ 170x57 (CL) (NL)
IA 670301
OI 677101, 679141 -> AD65 (NL)
OI 670950 OI 670957
IXI 479057 cza
IXI 470057 bi

ID 680047 -> uniwersalny
FI 279054, 279055
FI 229107
II 640441
IP - + 170x58
IU 287070
OI 680047 OI 670970 IXI 486072 IXI 690072

■ 178357 kre cza IDEAL 7000 (NL)

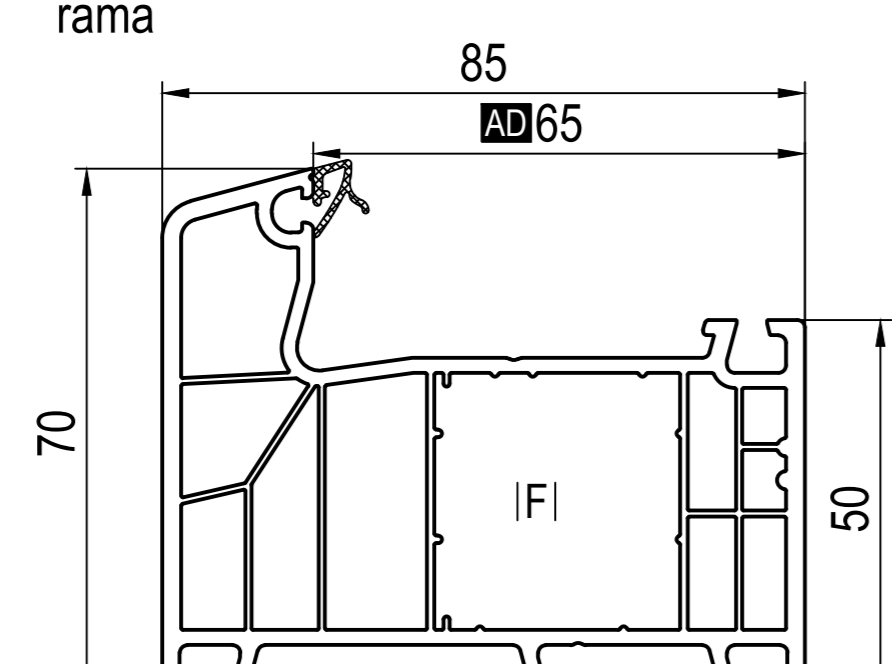


■ 170x55 (CL) (NL)
IA -
FI 279054, 279055
II 640441
IP - + 170x58
IU 287070
OI 680047 OI 670970 IXI - IXI 690072

■ 178355 kre cza IDEAL 7000 (NL)

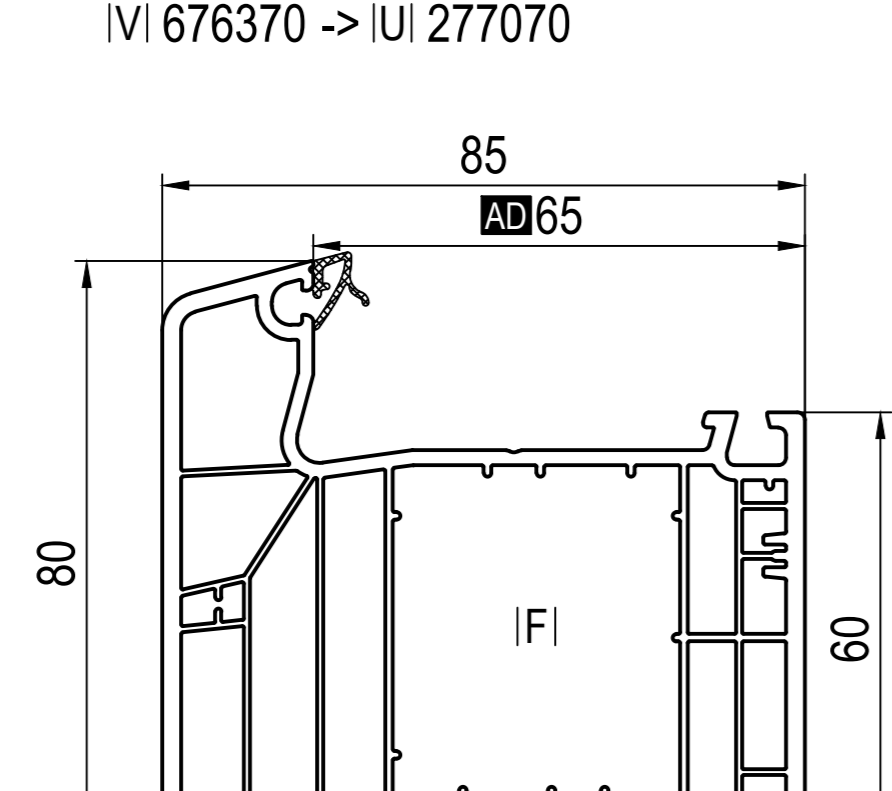
profil kre cza IDEAL 7000 (NL) - lista przyszybowa
xx8xxx kre kremowy - RAL 9001 - dodatki
xxx3xx cza uszczelka: czarny kre na żądanie

profile główne rama



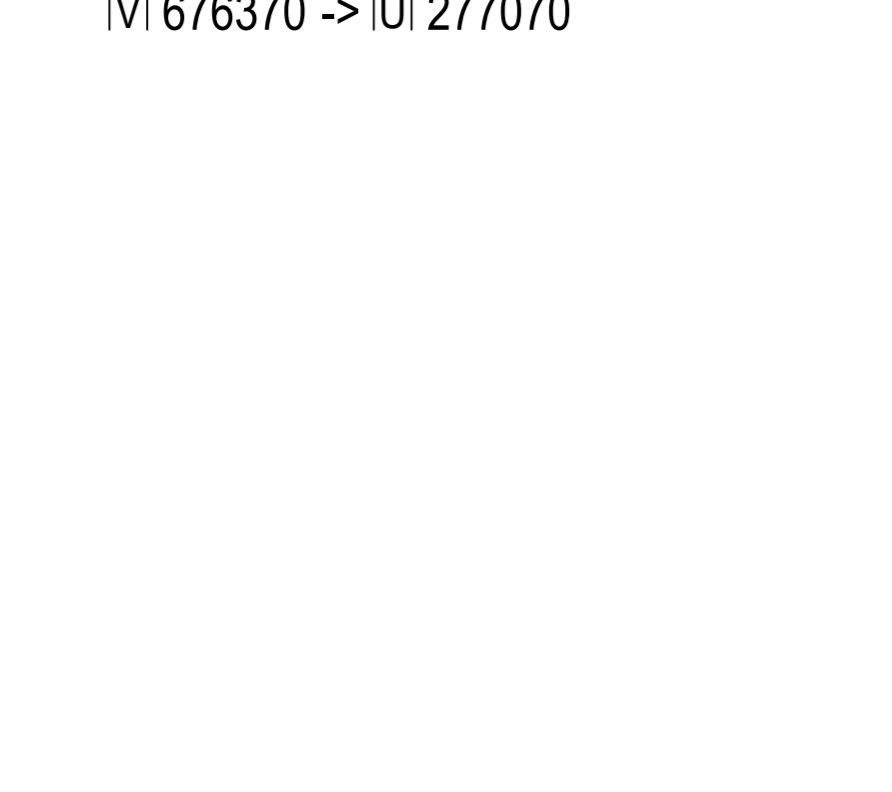
■ 170x02000098 (CL)
IA 670301
FI 249014, 249015, 249016, 259105,
259106, 259107
II 640441
PI 279402, 289304
QI 287301, 287303
UI 277070, 287070
OI 640047 OI 680970 IXI 476070
IVI 676370 -> IU 277070

■ 178320 kre cza IDEAL 7000 (NL)



■ 170x03000098 (CL)
IA 670301
FI 229017, 229114, 229115, 229120
II 640441
PI 289304, 289313
QI 287301, 287303
UI 277070, 287070
OI 680970 IXI 476070 (DI 670047)
IVI 676370 -> IU 277070

■ 178320 kre cza IDEAL 7000 (NL)



■ 170x58 (CL) (NL)
-> 170x53, 170x54, 170x57
IA -
II 640441

■ 178358 kre cza IDEAL 7000 (NL)



■ 120107

■ 128107 kre

-> 170x53 (NL)

IDEAL 7000 (NL)

IXI 447340, 449340, 447042, 449042, 447343, 449343

□ 144256

-> 170x55 (NL)

■ 144256

■ 144256

■ 144256

■ 144256

■ 144256

■ 144256

■ 144256

■ 144256

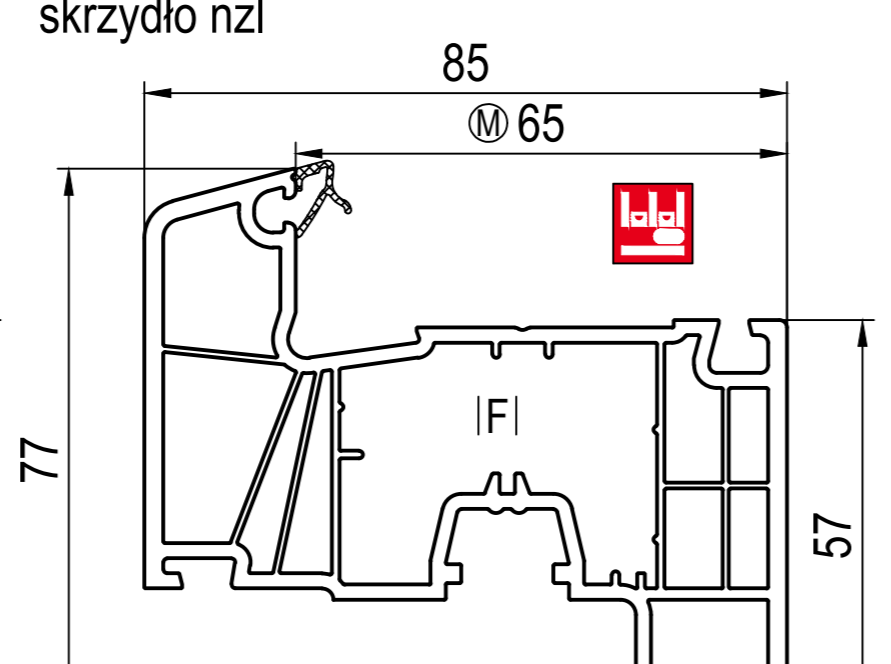
■ 144256

■ 144256

■ 144256

■ 144256

skrzydło nzi



■ 170x20 (CL)
IA 685251, 680250, 655251, 650252,
625253, 620250, 650250
FI 249016, 259020, 259021, 259022,
259026, 259027, 289021
II 620440
JI 642261, 642262, 642263, 646265,
646266
PI 279420

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

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■ 178320 kre cza IDEAL 7000 (NL)

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■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

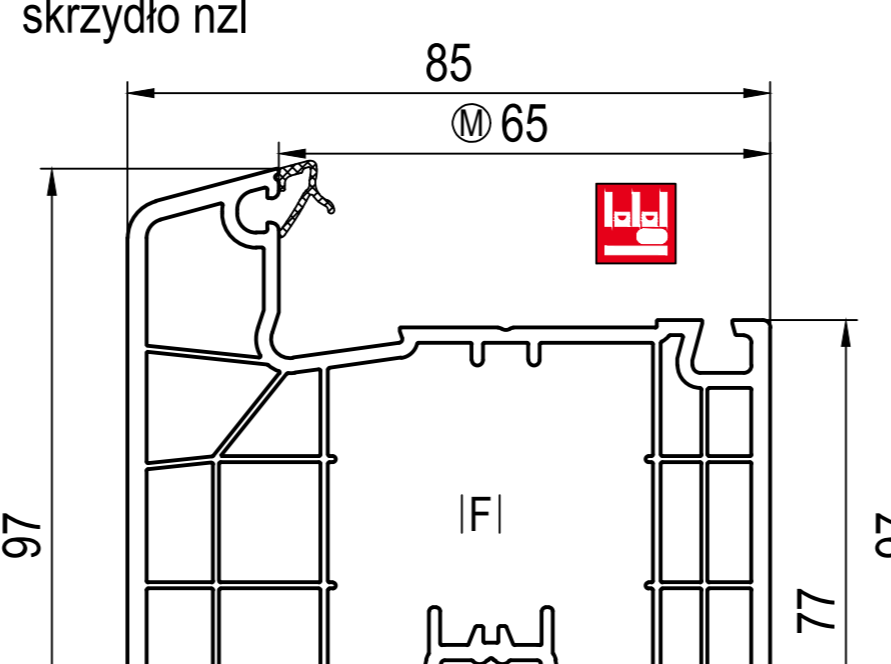
■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

skrzydło nzi



■ 170x30 (CL)
IA 685251, 680250, 655251, 650252,
625253, 620250, 650250
FI 249029 *, 279029
* EI 640029 OI 640938
II 620440
JI 642261, 642262, 642263, 646265,
646266
PI 279430

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

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■ 178320 kre cza IDEAL 7000 (NL)

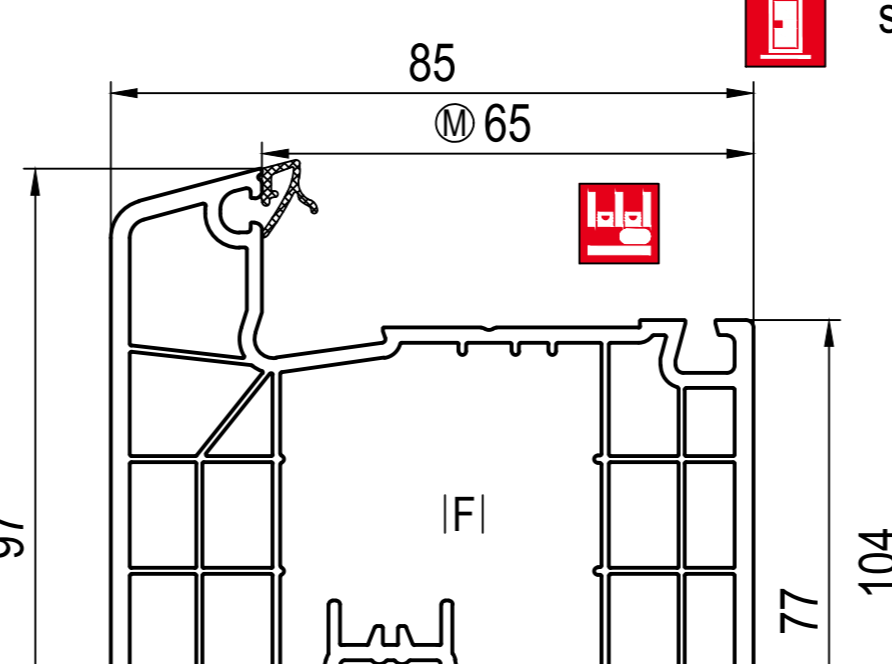
■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

skrzydło nzi



■ 170x31 (CL)
IA 685251, 680250, 655251, 650252,
625253, 620250, 650250
FI 249029 *, 279029
* EI 640029 OI 640938
II 620440
JI 642261, 642262, 642263, 646265,
646266
PI 279430

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

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■ 178320 kre cza IDEAL 7000 (NL)

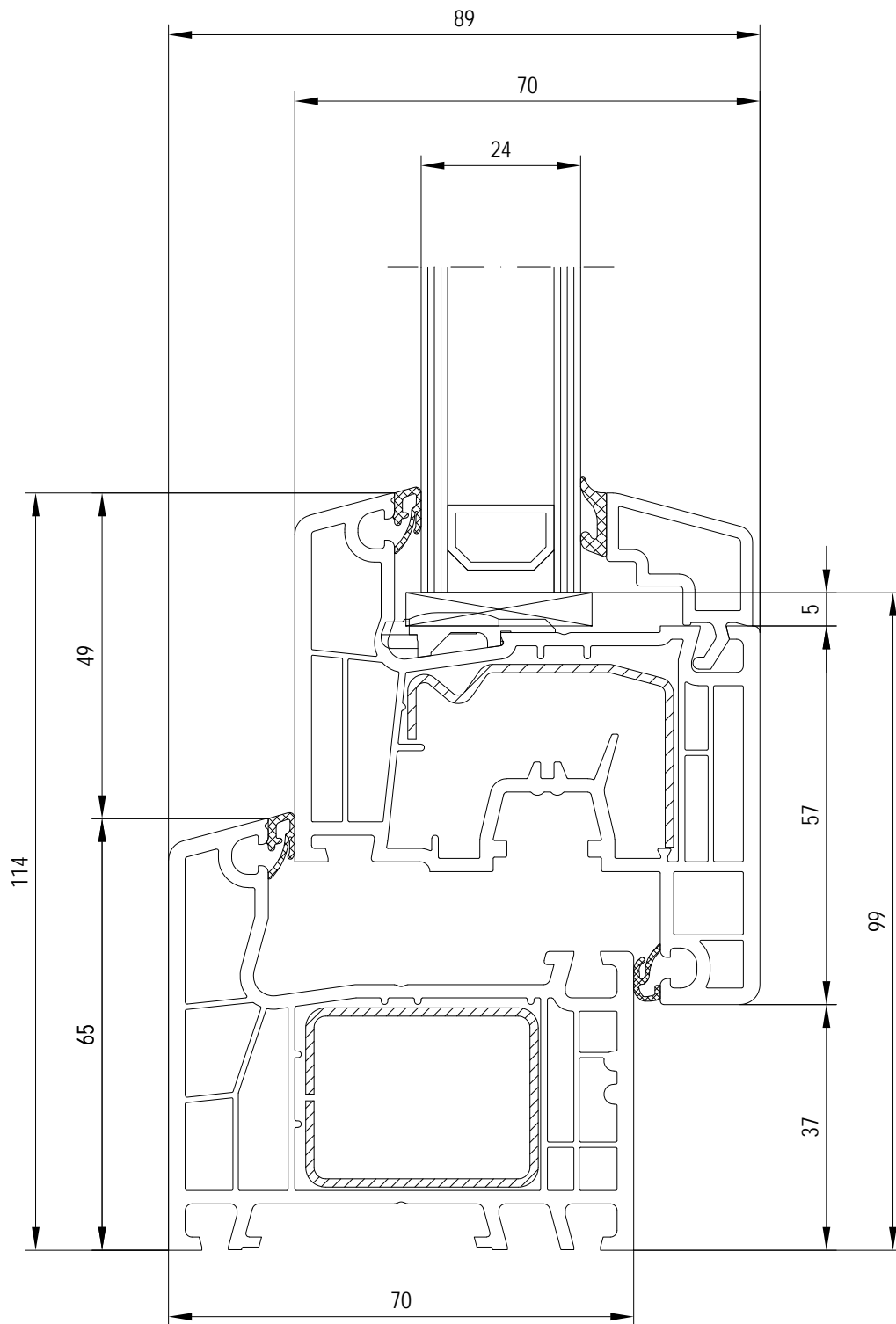
■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

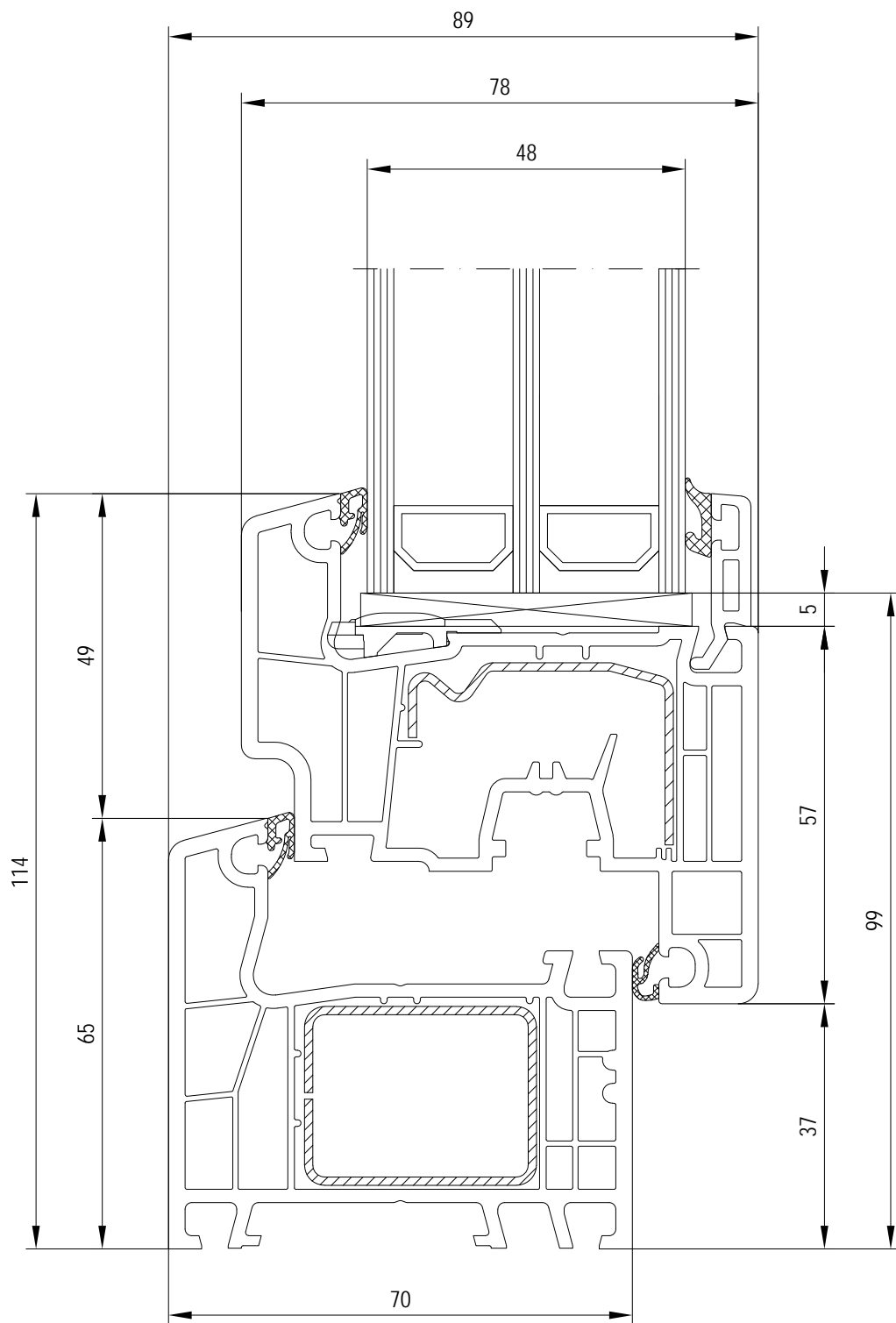
■ 178320 kre cza IDEAL 7000 (NL)

■ 178320 kre cza IDEAL 7000 (NL)

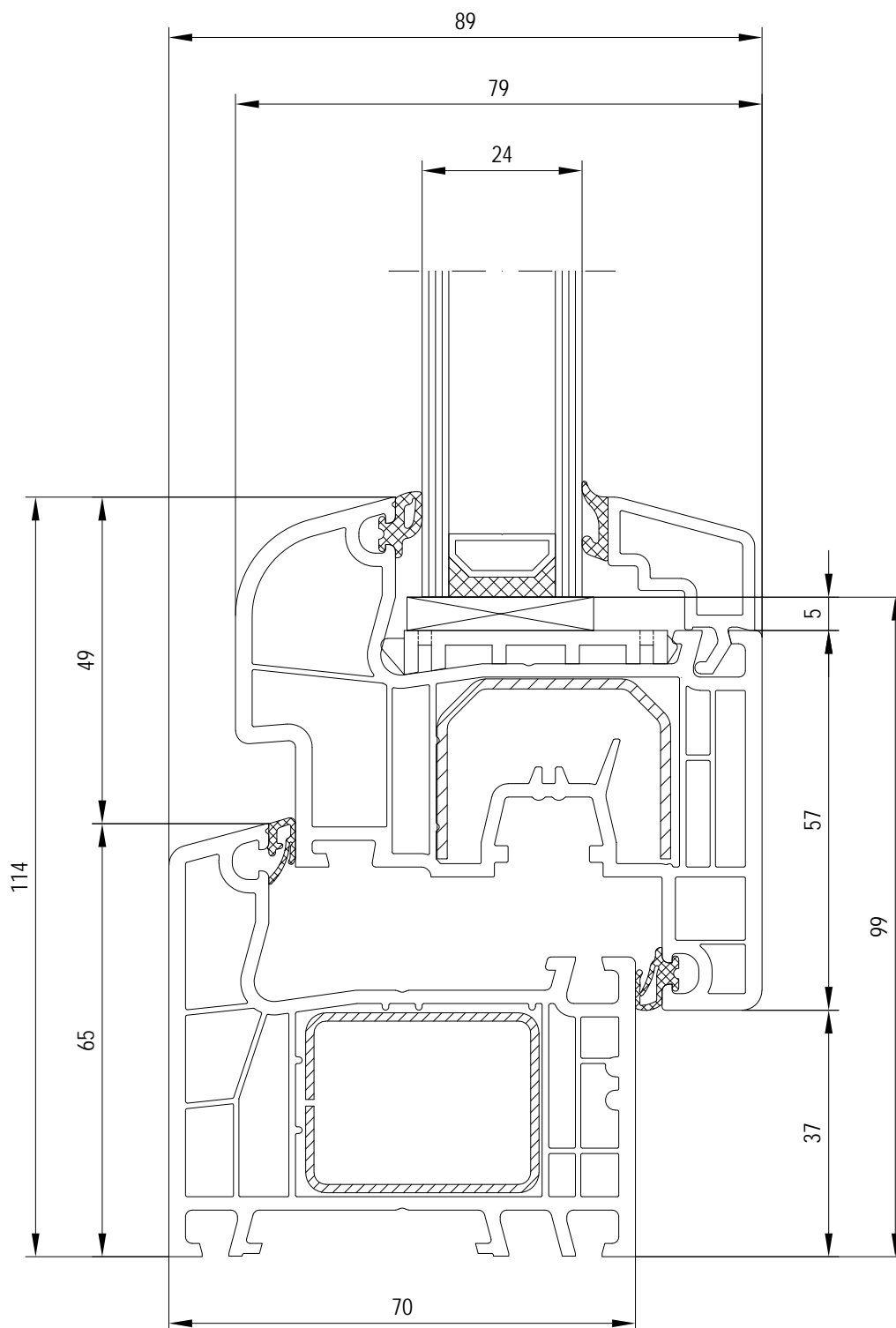
■ 178320 kre cza IDEAL 7000 (NL)



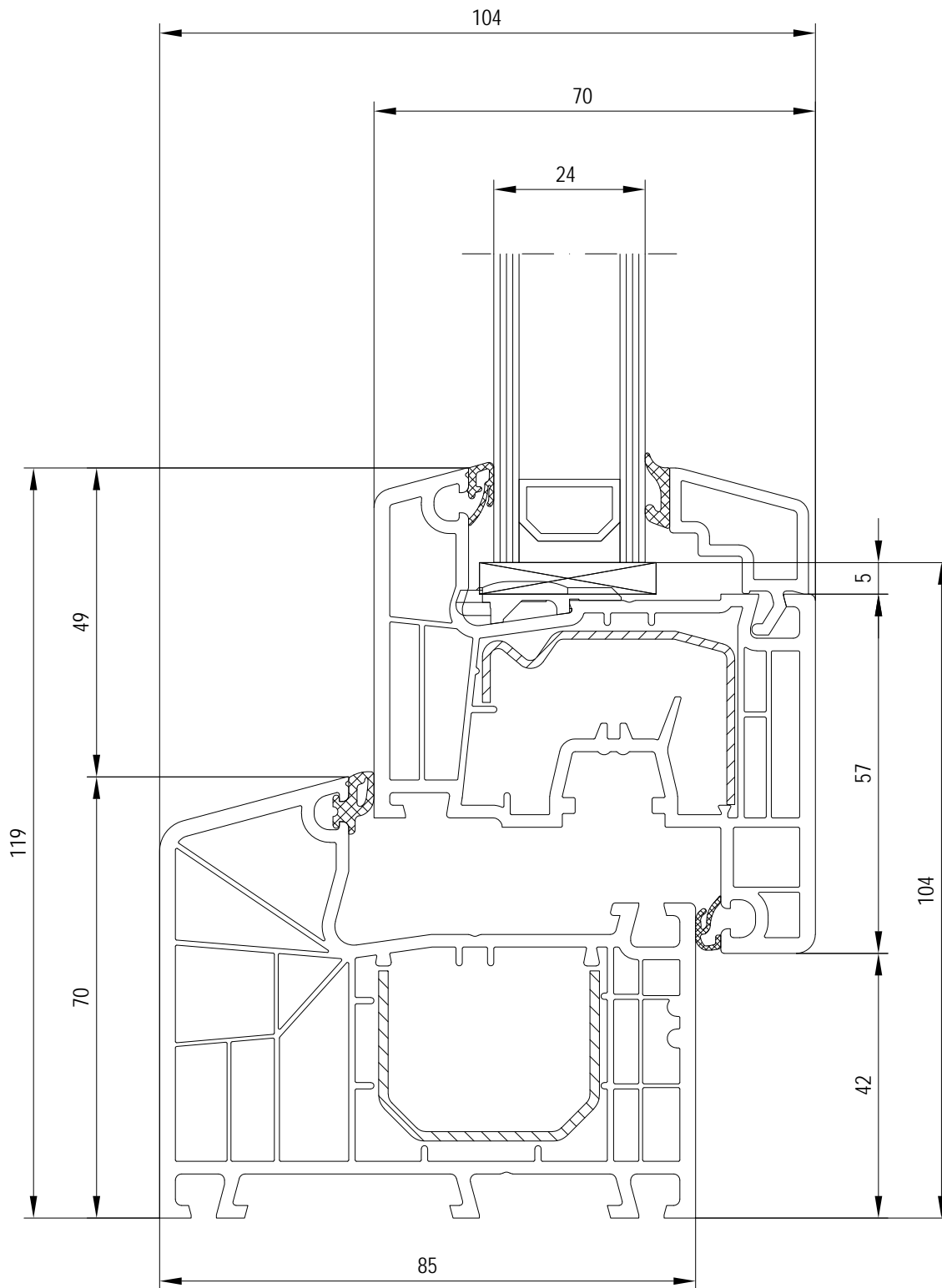
frame profile 70mm: 140x01
 sash profile 70mm: 140x20
 glazing bead: 120836



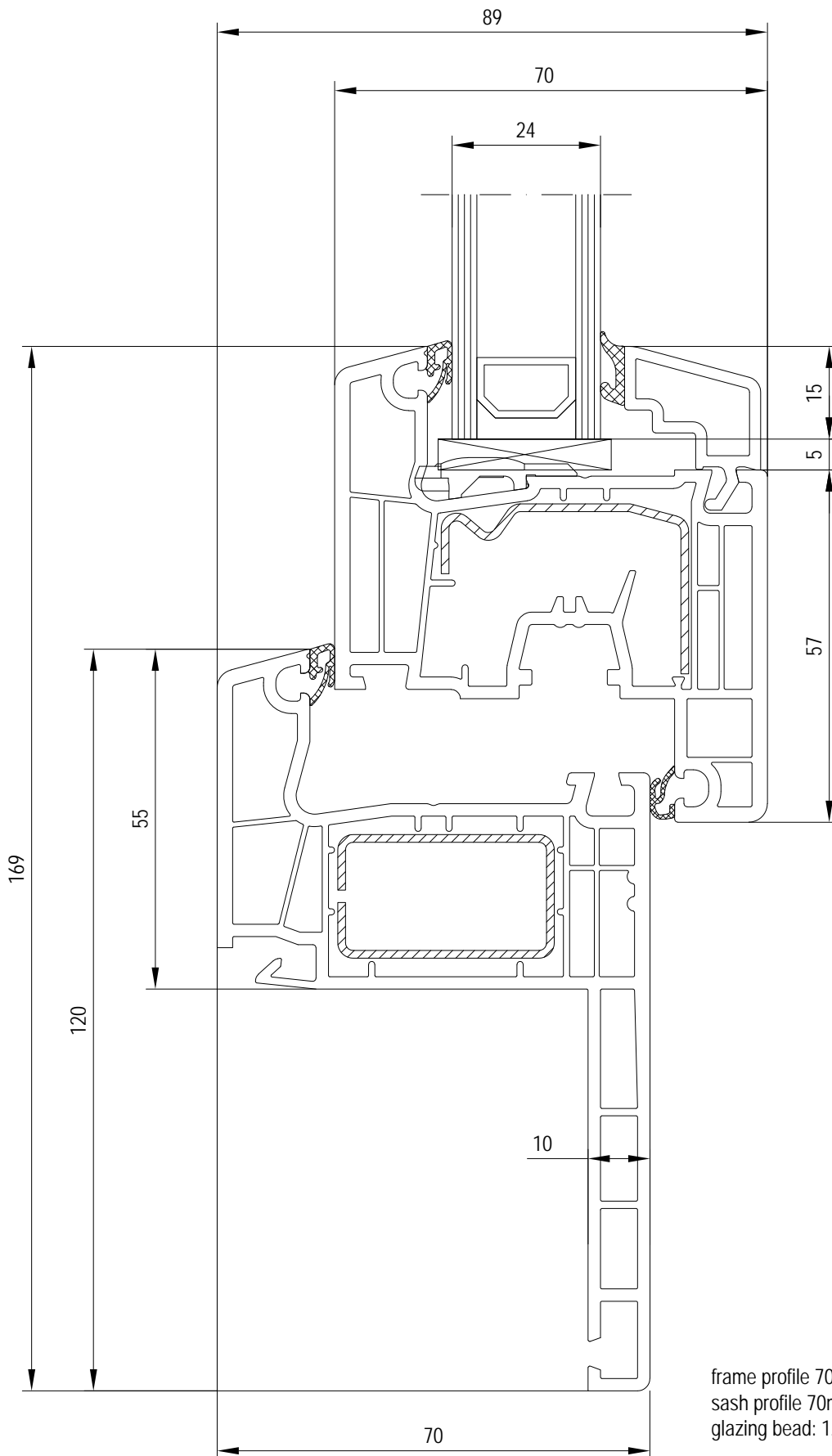
frame profile 70mm: 140x01
 sash profile 78mm: 140x27
 glazing bead: 150631



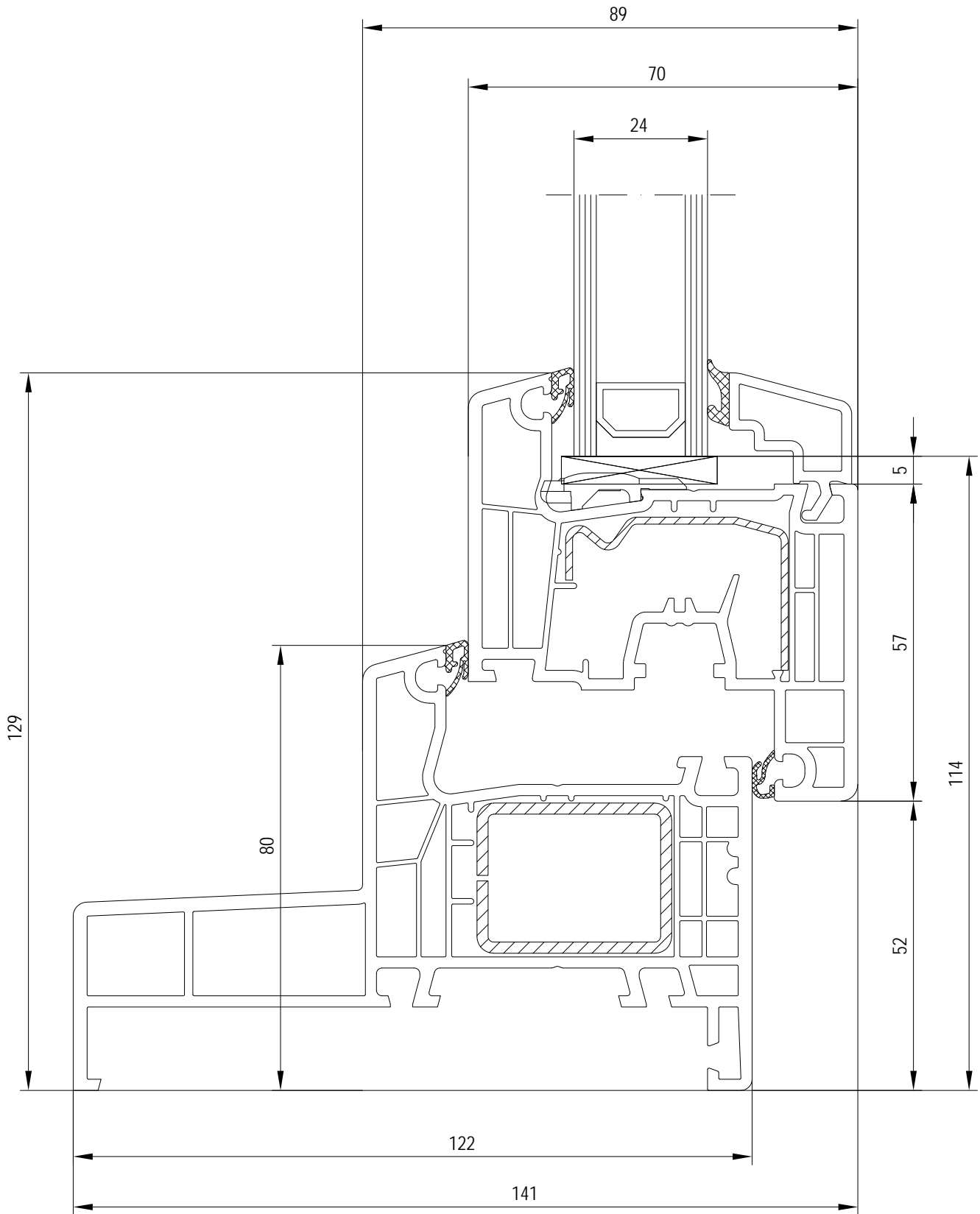
frame profile 70mm: 140x01
 sash profile 79mm: 140x22
 glazing bead: 120836



frame profile 85mm: 140x00
 sash profile 70mm: 140x20
 glazing bead: 120836



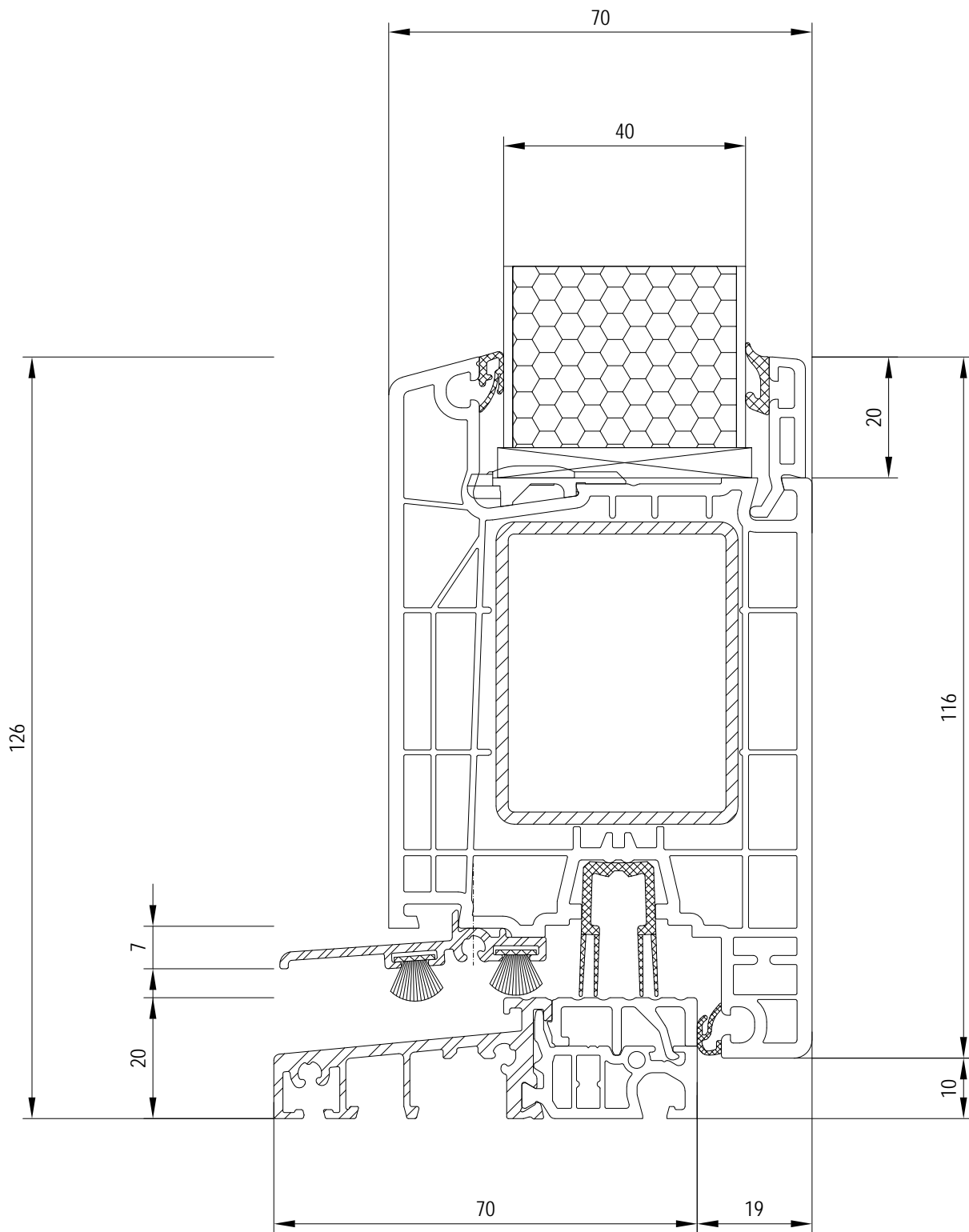
frame profile 70mm: 140x090000011
 sash profile 70mm: 140x20
 glazing bead: 120836



frame profile 122mm: 140x16
 sash profile 70mm: 140x20
 glazing bead: 120836

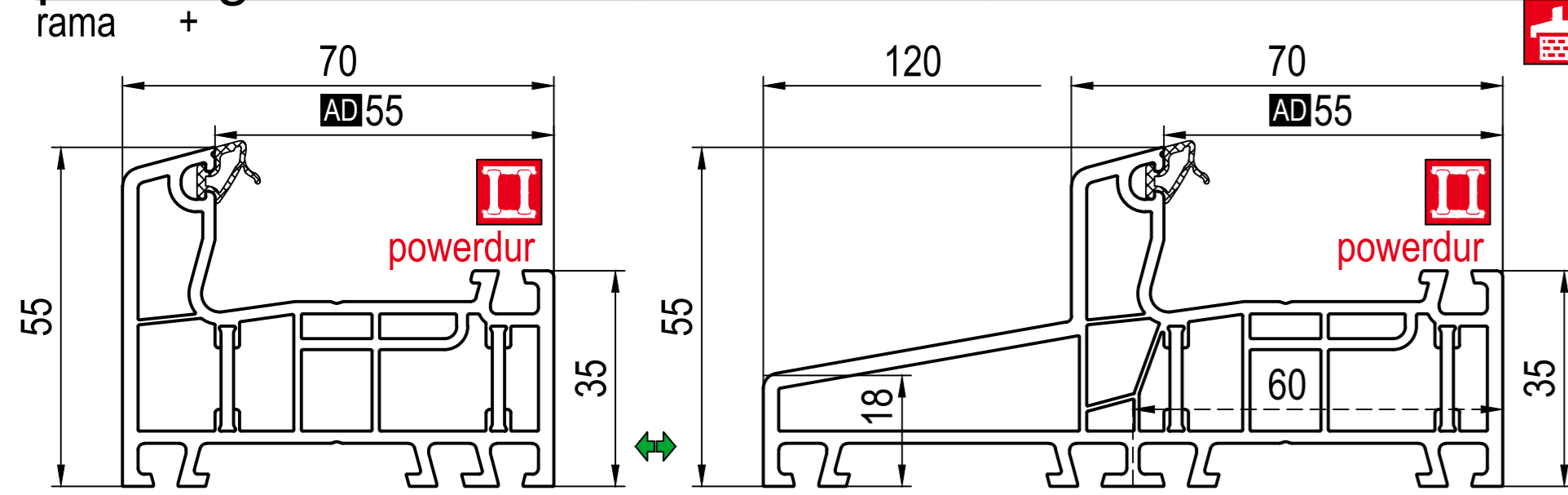


IDEAL 4000
 profile section



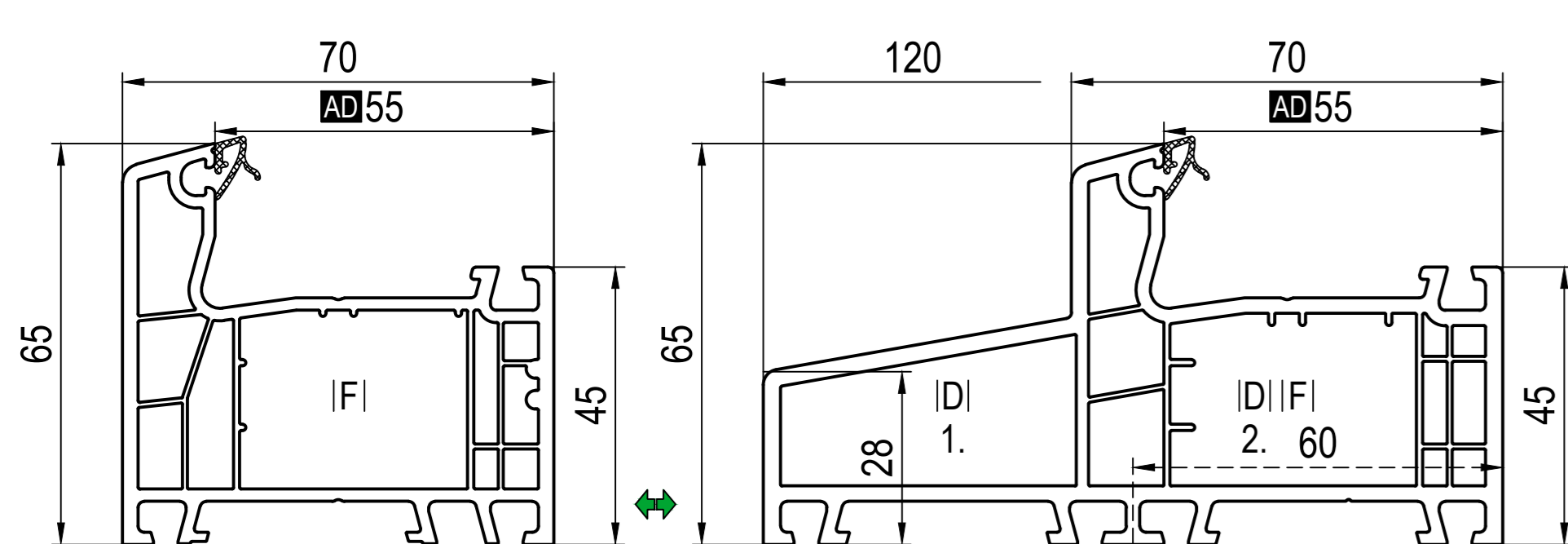
sash profile 70mm: 140x33
 threshold profile 70mm: 247070
 glazing bead: 150831

profile główne



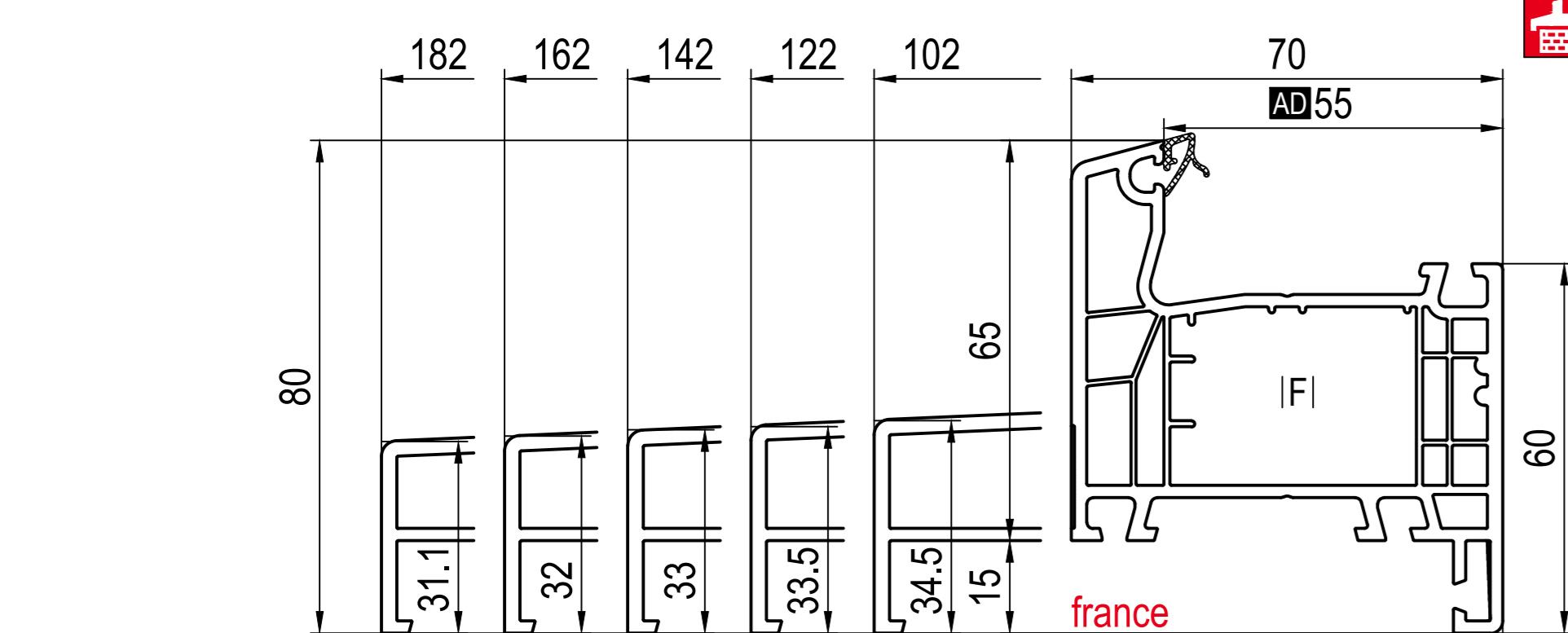
040x02 (CL)
AI 640301, 640320
II 640441
PI 259304
QI 227300, 227303
VI 646370 -> IUI 247070

040x92 (CL) (MB)
AI 640301, 640320
II 640441
QI 227300, 227303



140x01 (CL) france
AI 640301, 640320
FI 229023, 229024, 229026, 229029, 229030, 249026
II 640441
PI 259304
QI 227300, 227303
UI 247070, 267070, 277070, 287070
VI 646370 -> IUI 247070

140x91 (CL) (MB)
AI 640301, 640320
FI 259906
II 640441
QI 227300, 227303
UI 287070
VI 1. 640060, 2. 640061
OI 670970
XI 446074

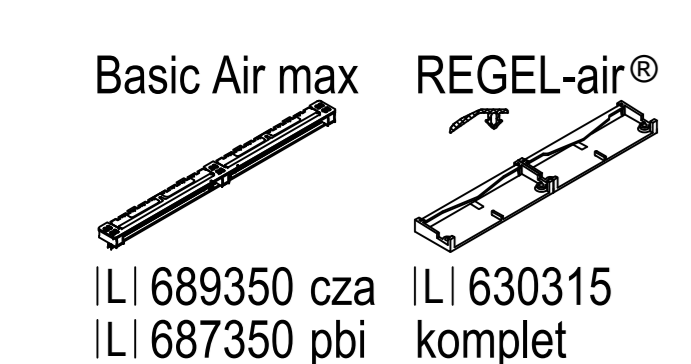


I=70mm 140x12 (CL) (MB) *
I=102mm 140x14 (CL) (MB)
I=122mm 140x16 (CL) (MB)
I=142mm 140x18 (CL) (MB)
I=162mm 140x19 (CL) (MB)
I=182mm 140x04 (CL) (MB)
AI 640301, 640320
FI 229023, 229024, 229026, 229029, 229030, 249026
II 640441
PI 259304
QI 227300, 227303
UI 247070, 267070, 277070, 287070
VI 646370 -> IUI 247070

140x00 (CL)
AI 640301, 640320
FI 229023, 229024, 229026, 229029, 229030, 249026
II 640441

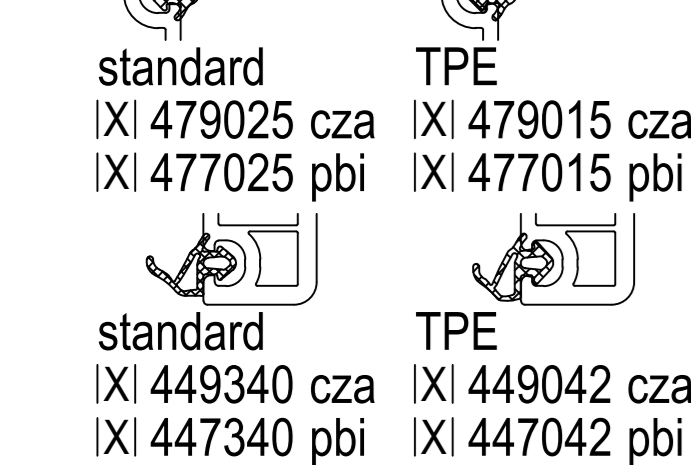
140x10 (CL) france
AI 640301, 640320
FI 229023, 229024, 229026, 229029, 229030, 249026
II 640441

system wentylacji podstawowej

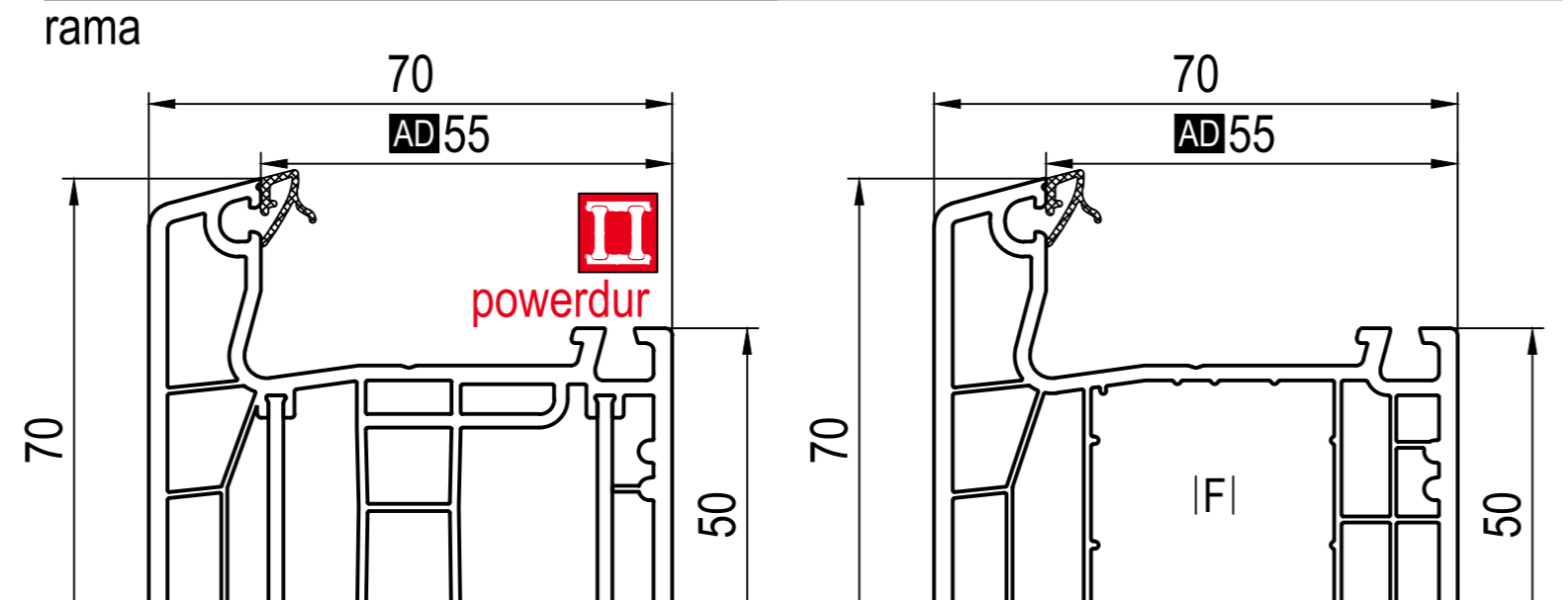


Basic Air max REGEL-air®
IL 689350 cza IL 630315
IL 687350 pbi komplet

uszczelka naprawcza

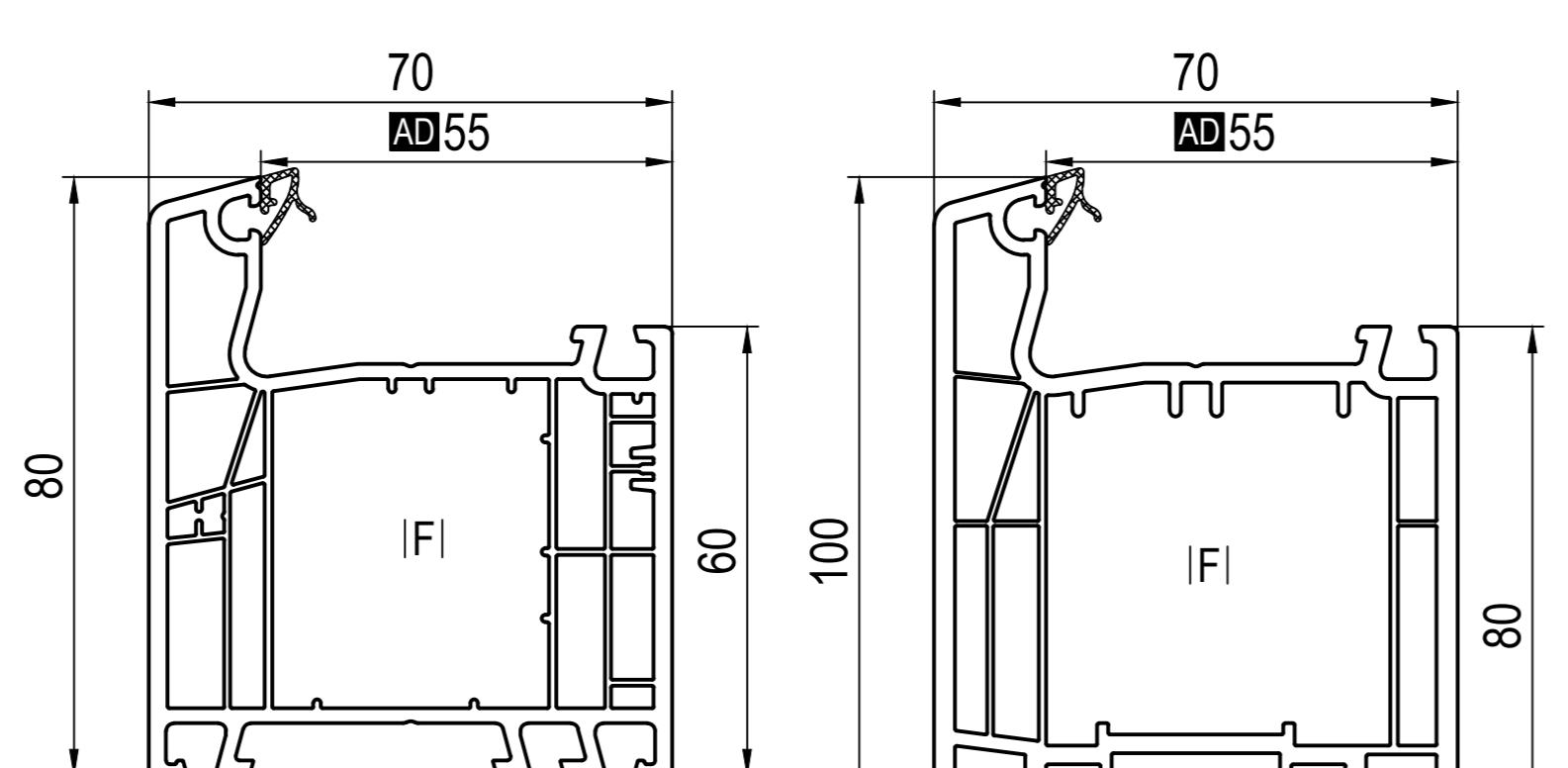


standard TPE opcja
IXI 449340 cza IXI 449042 cza IXI 449343 cza
IXI 447340 pbi IXI 447042 pbi IXI 447343 pbi



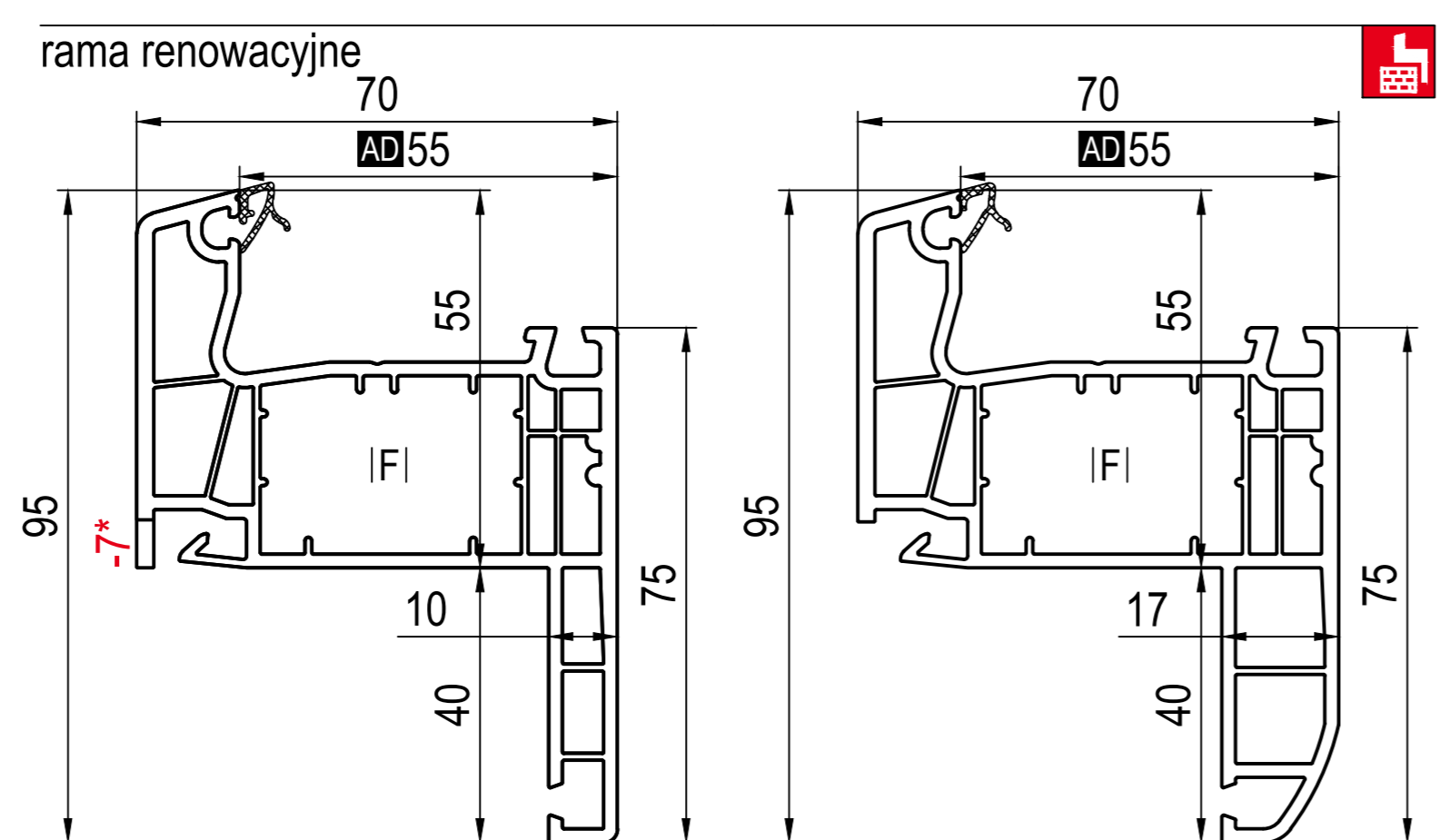
040x07 (CL) france
AI 640301, 640320
II 640441
PI 249312, 259304
QI 227300, 227303
UI 247070, 267070, 277070, 287070
VI 646370 -> IUI 247070

140x07 (CL) france
AI 640301, 640320
FI 249014, 249015, 249016, 259105, 259106, 259107
II 640441
PI 249312, 259304
QI 227300, 227303
UI 247070, 267070, 277070, 287070
VI 646370 -> IUI 247070



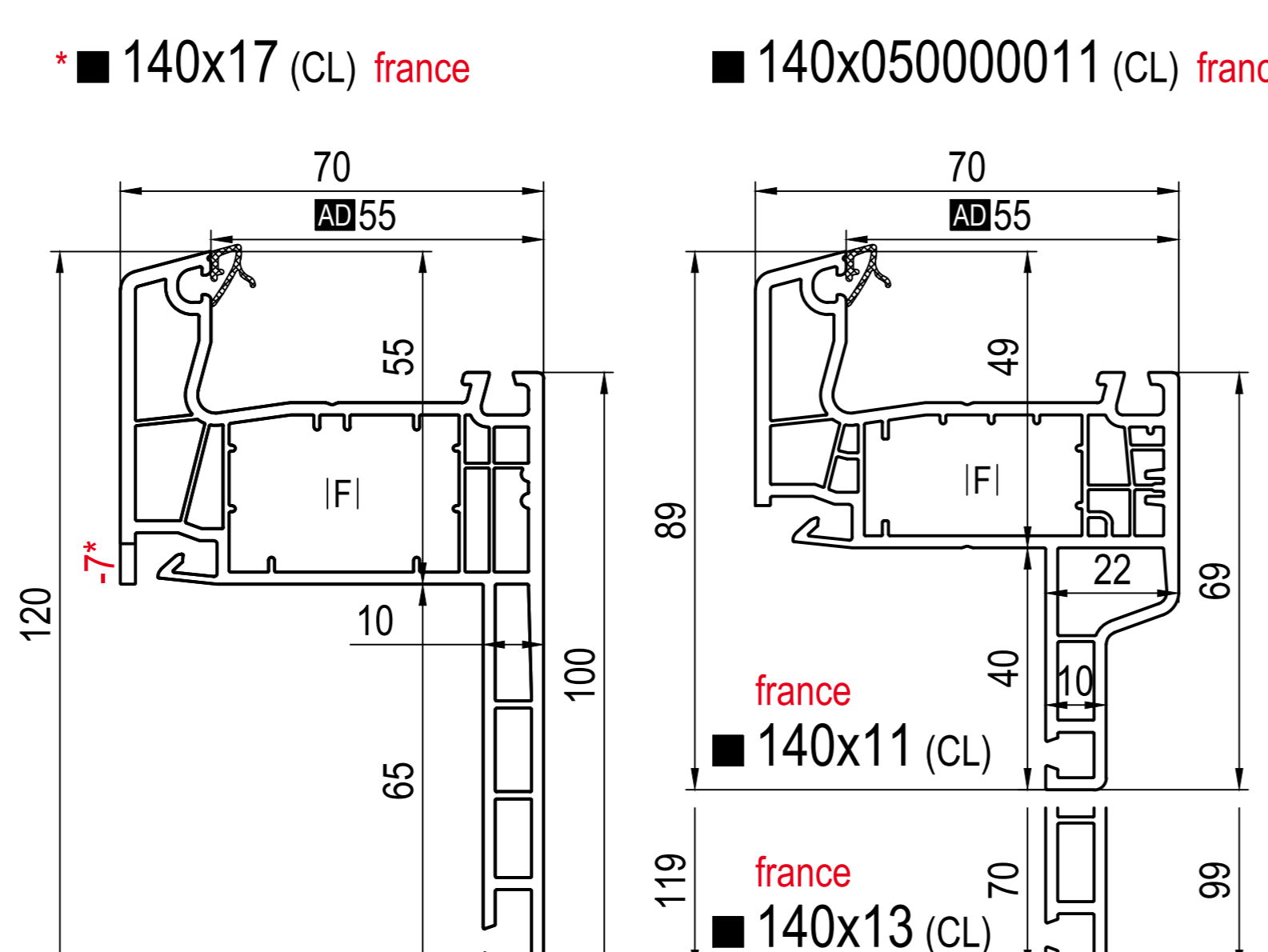
140x03 (CL) france
AI 640301, 640320
FI 229017, 229114, 229115, 229120
II 640441
PI 249313, 259304
QI 227300, 227303
UI 247070, 267070, 277070, 287070
VI 646370 -> IUI 247070

140x81 (CL)
AI 640301, 640320
FI 249034, 249035, 249039
II 640441
PI 249314, 259304
QI 227300, 227303
VI 646370 -> IUI 247070



140x15 (CL)
AI 640301, 640320
FI 229098, 229100, 229101, 249004
II 640441
PI 259304
QI 227300, 227303
VI 646370 -> IUI 247070

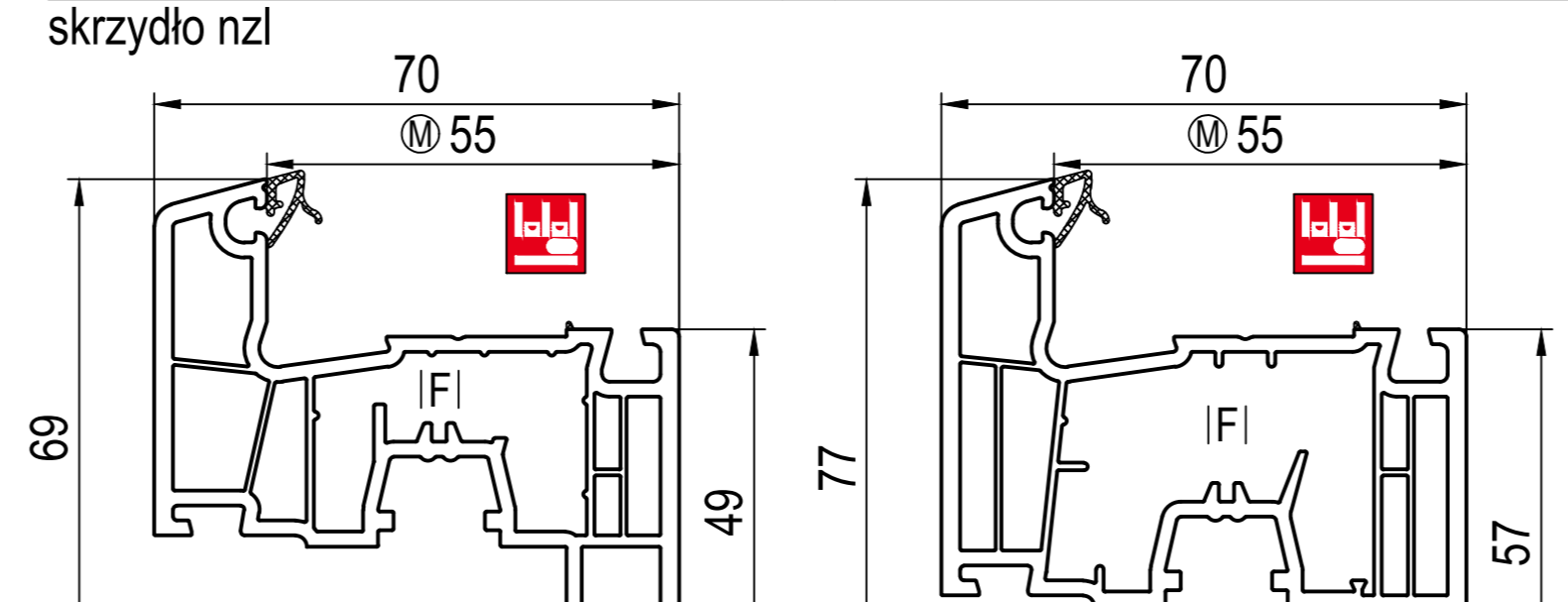
140x17 (CL) france
AI 640301, 640320
FI 229098, 229100, 229101, 249004
II 640441
PI 259304
QI 227300, 227303
VI 646370 -> IUI 247070



140x09 (CL)
AI 640301, 640320
FI 229098, 229100, 229101, 249004
II 640441
PI 259304
QI 227300, 227303
VI 646370 -> IUI 247070

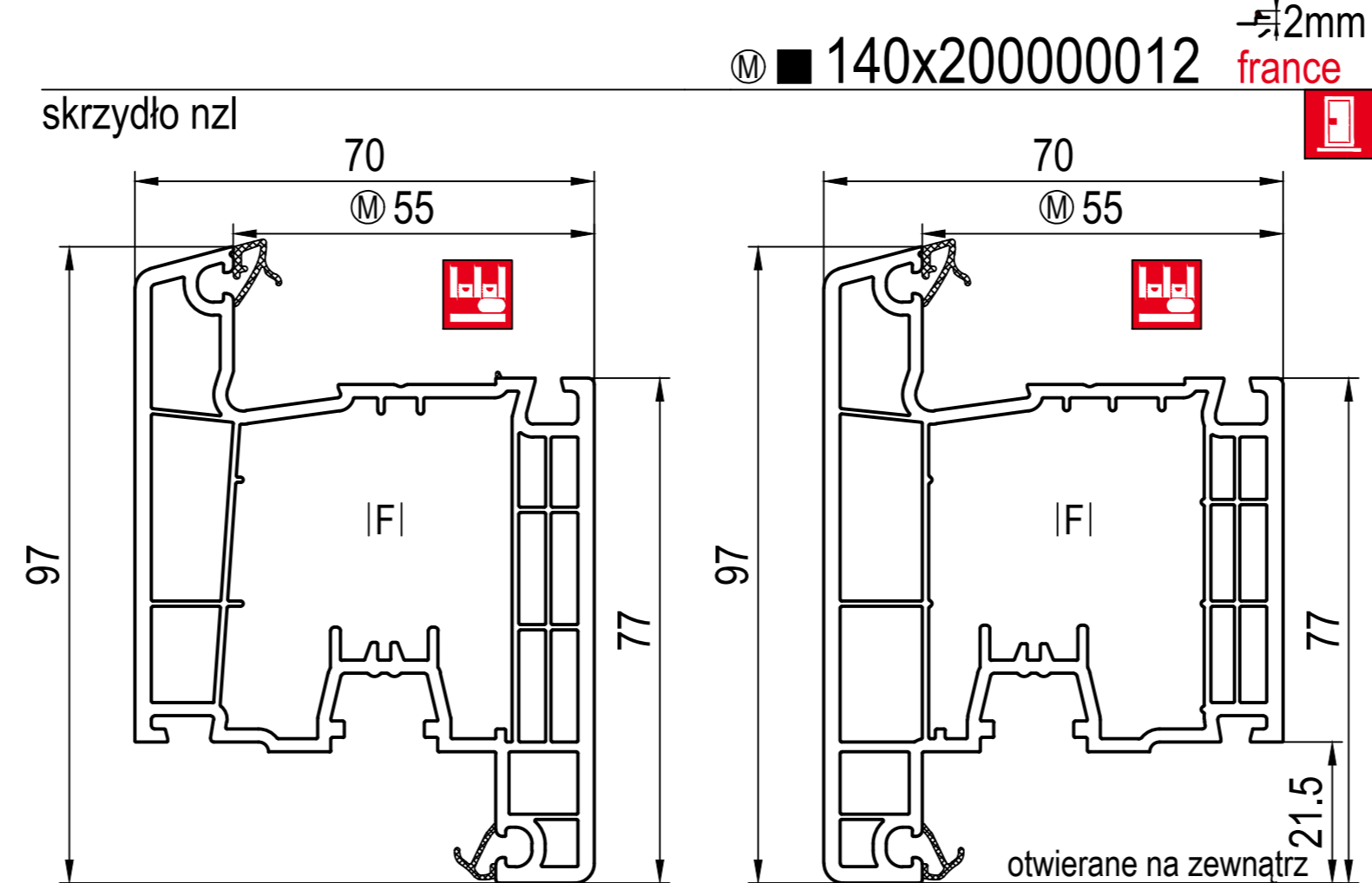
140x11 (CL) france
AI 640301, 640320
FI 269101, 269102
II 640441
PI 259304
QI 227300, 227303
VI 646370 -> IUI 247070

140x09000011 (CL) france
AI 640301, 640320
FI 269101, 269102
II 640441
PI 259304
QI 227300, 227303
VI 646370 -> IUI 247070



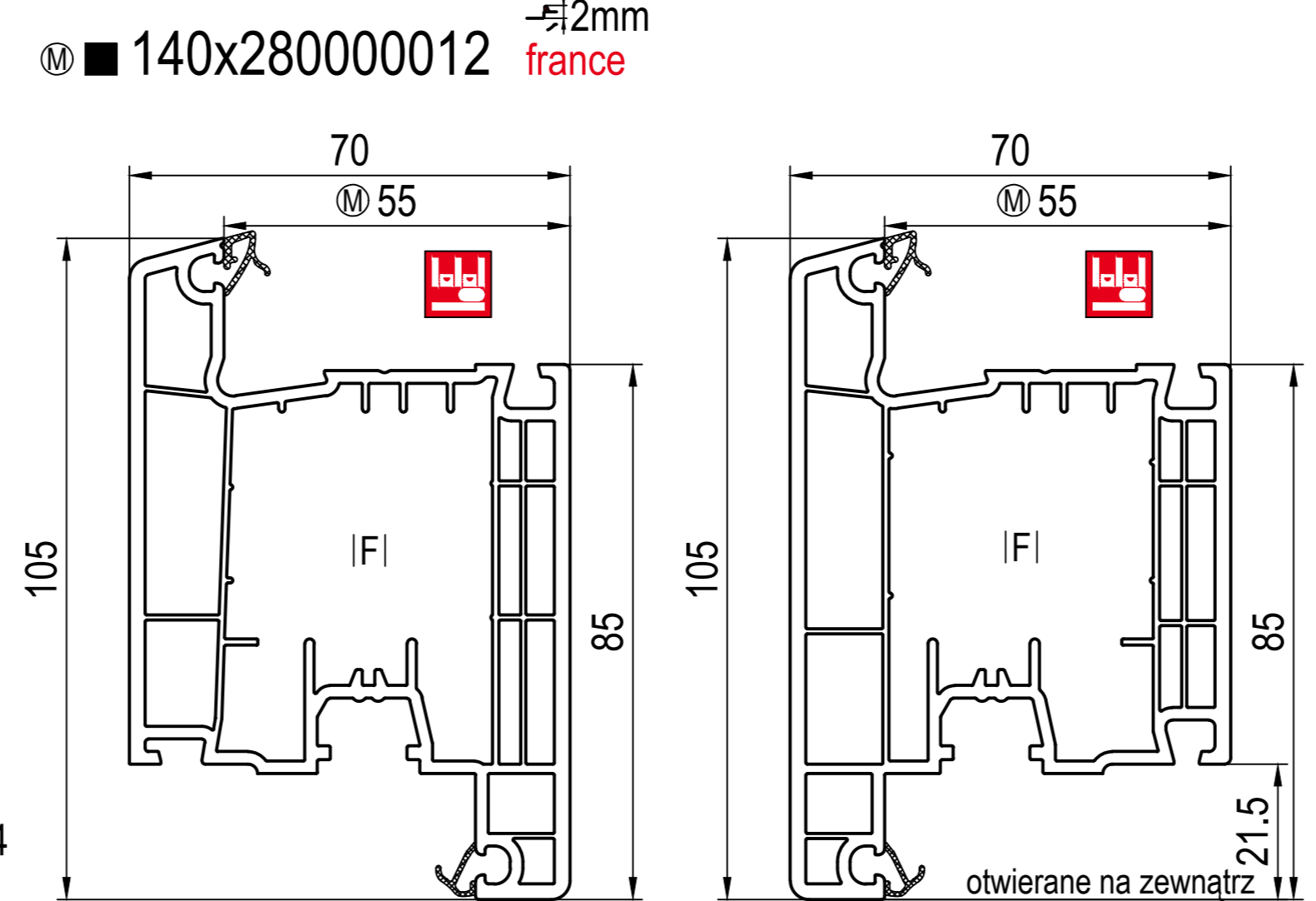
140x20 (CL) -> 140x74
AI 655251, 650252, 625253, 620250, 650250
FI 249174, 249175, 259024, 259028, 650250
II 620440
PI 642261, 642262, 642263, 646265, 646266

140x37 (CL)
AI 640301, 640320
FI 249037
II 620440



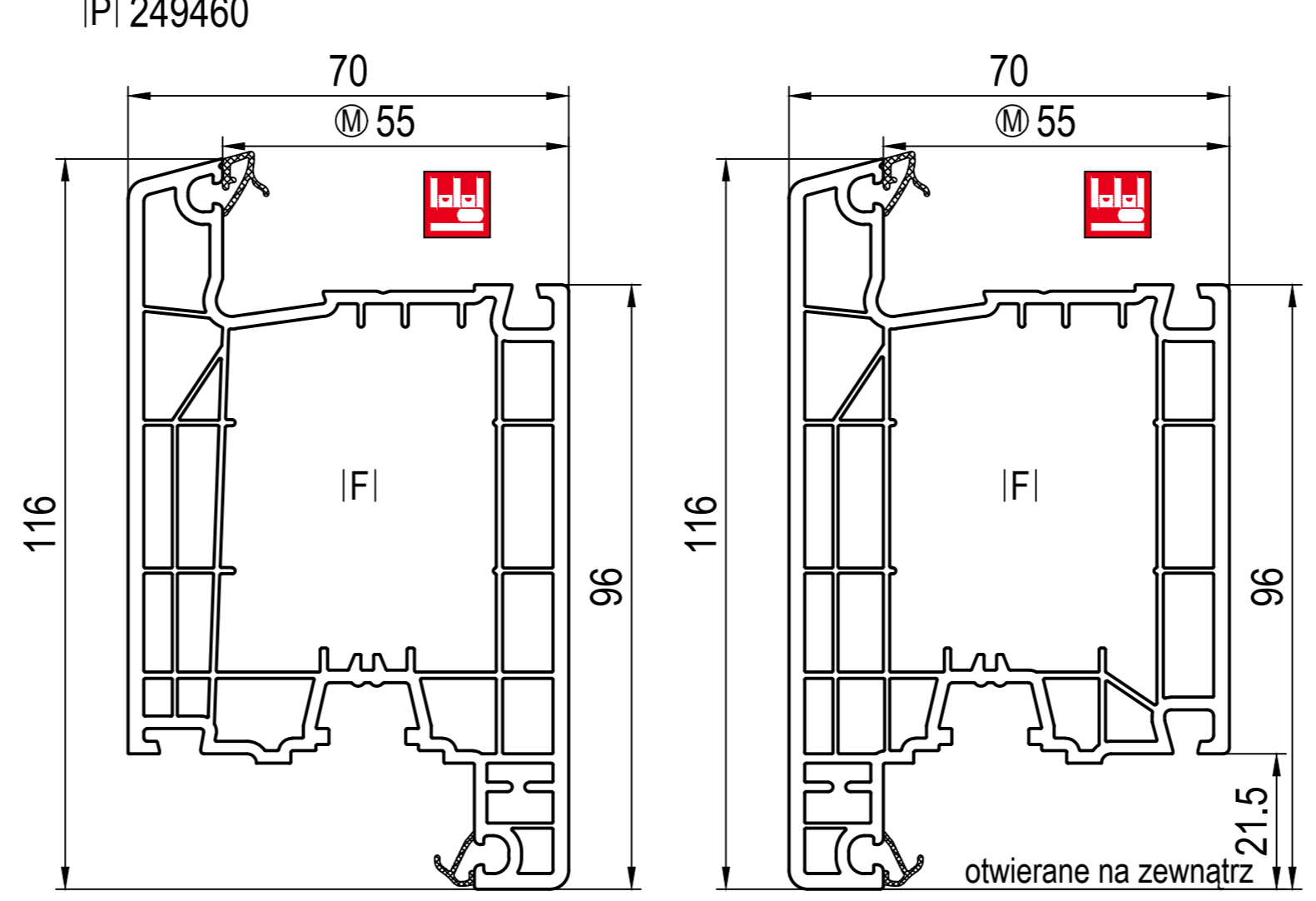
140x28 (CL) -> 140x78
AI 655251, 650252, 625253, 620250, 650250
FI 249028, 249029 * 279029
* IEI 640029 IO 640938
II 620440
J 642261, 642262, 642263, 646265, 646266

140x29 (CL)
AI 655251, 650252, 625253, 620250, 650250
FI 249028, 249029 * 279029
* IEI 640029 IO 640938
II 620440
J 642261, 642262, 642263, 646265, 646266



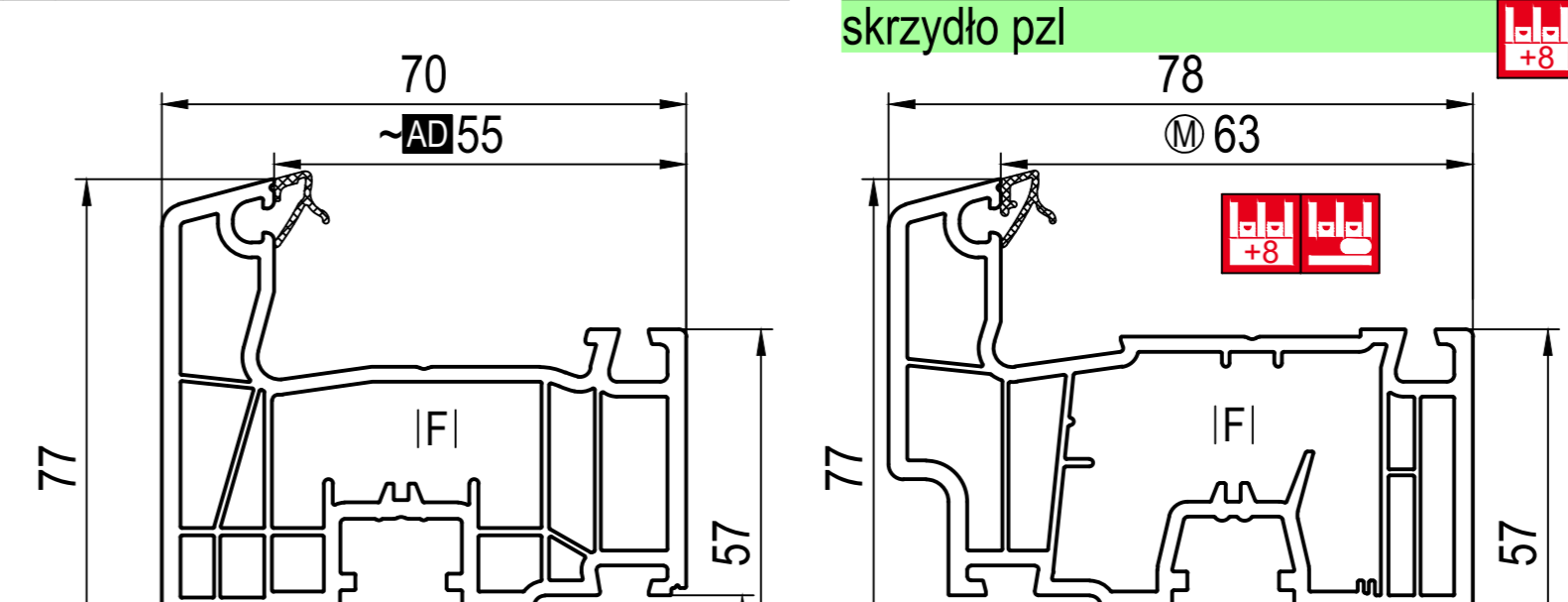
140x30 (CL)
AI 655251, 650252, 625253, 620250, 650250
FI 229114, 229115 *, 259030, 259031
* IEI 640031 IO 640938
II 620440
J 642261, 642262, 642263, 646265, 646266
PI 249460

140x31 (CL)
AI 655251, 650252, 625253, 620250, 650250
FI 229114, 229115 *, 259030, 259031
* IEI 640031 IO 640938
II 620440
PI 249343
UI 247070, 267070, 277070, 287070
VI 646370 -> IUI 247070



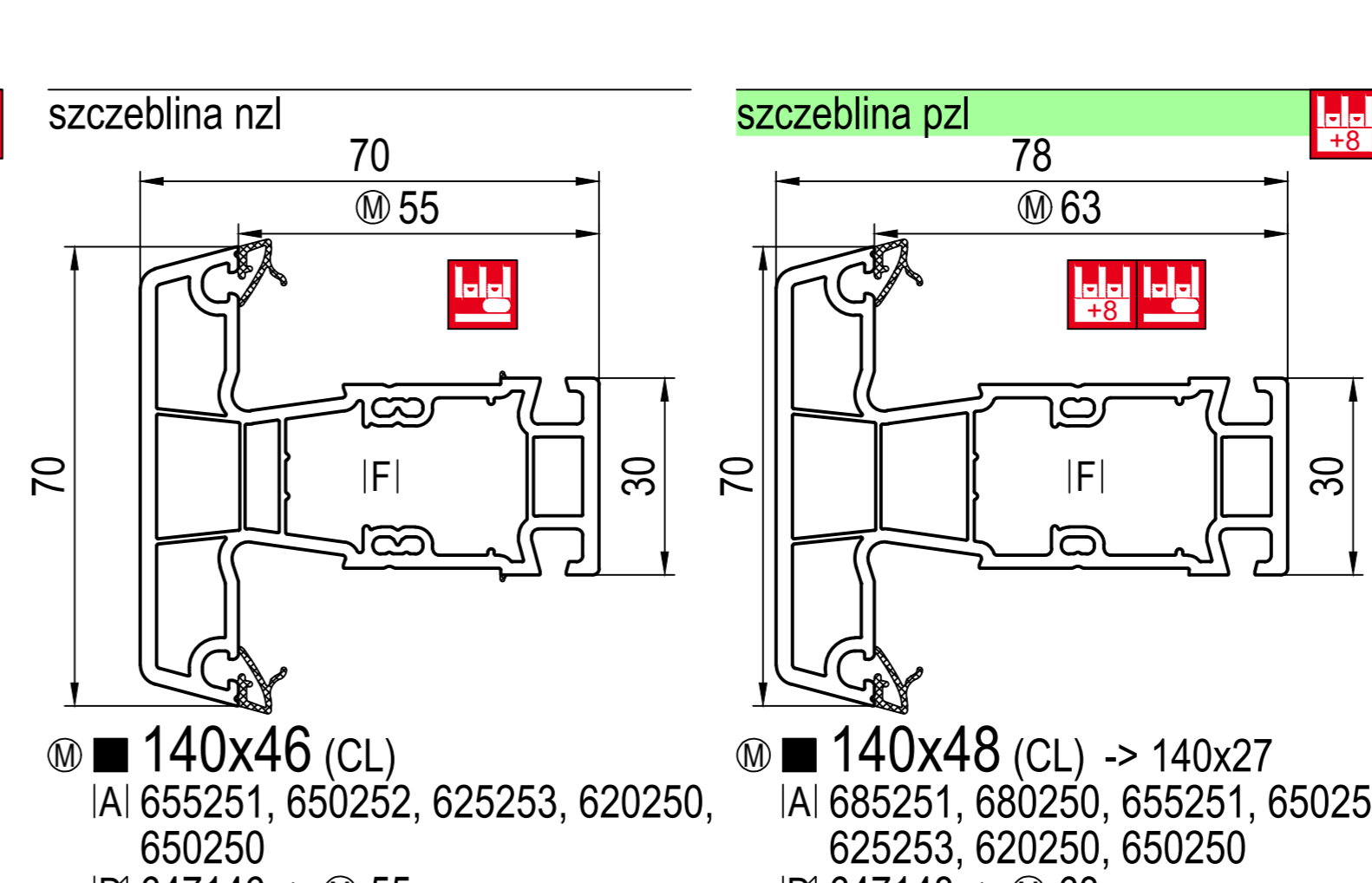
140x33 (CL)
AI 655251, 650252, 625253, 620250, 650250
FI 229125, 229129 / 229126, 229131
IEI 620125 / 620126 IO 640938

140x35 (CL)
AI 655251, 650252, 625253, 620250, 650250
FI 229125, 229129 / 229126, 229131
IEI 620125 / 620126 IO 640938



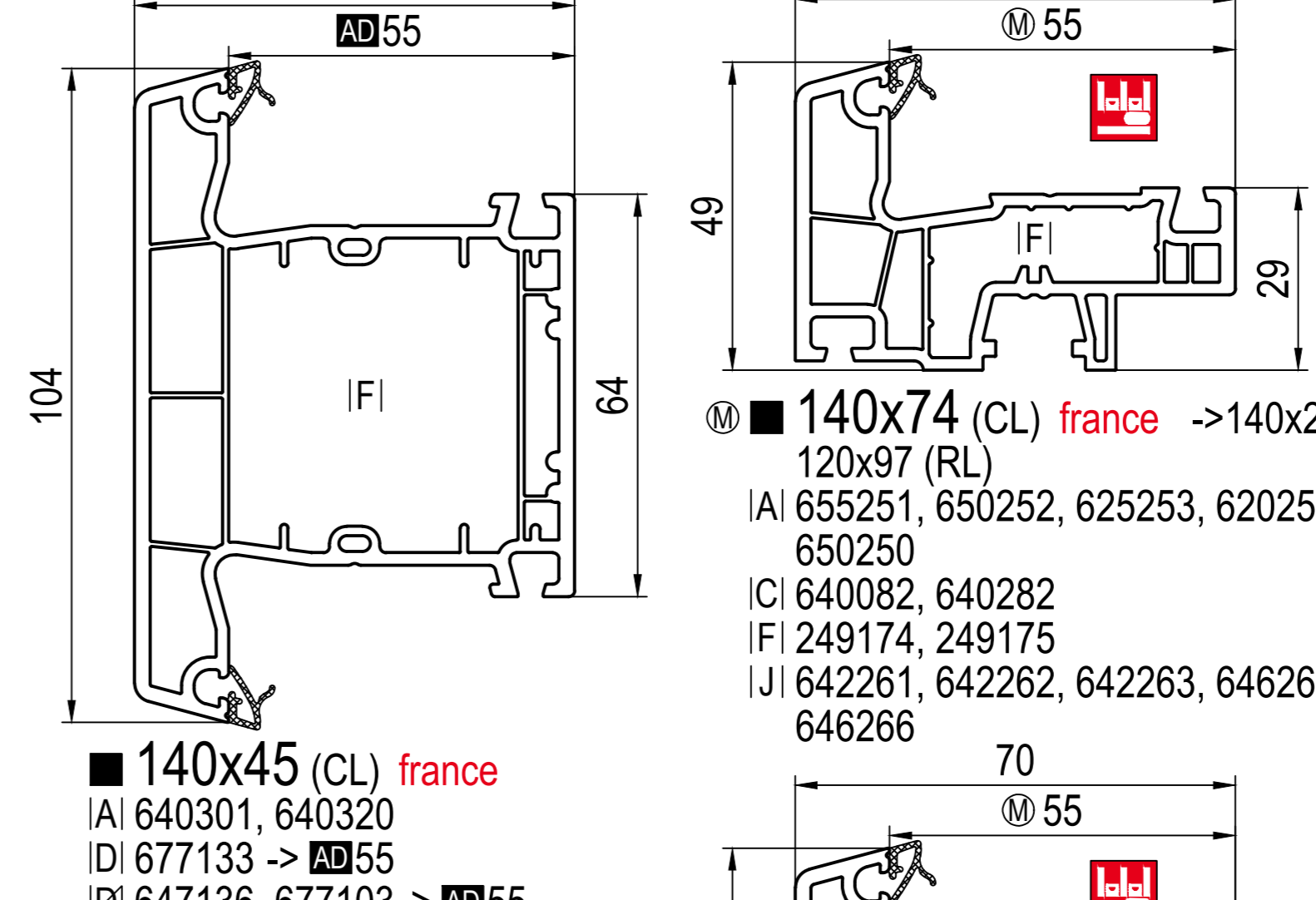
140x27 (CL) -> 140x48
AI 685251, 680250, 655251, 650252, 625253, 620250, 650250
FI 259020, 259021, 259022, 259026, 259027, 269024, 289021
II 620440
J 642261, 642262, 642263, 646265, 646266

140x46 (CL)
AI 655251, 650252, 625253, 620250, 650250
DI 647146 -> 55
FI 249046
J 642261, 642262, 642263, 646265, 646266



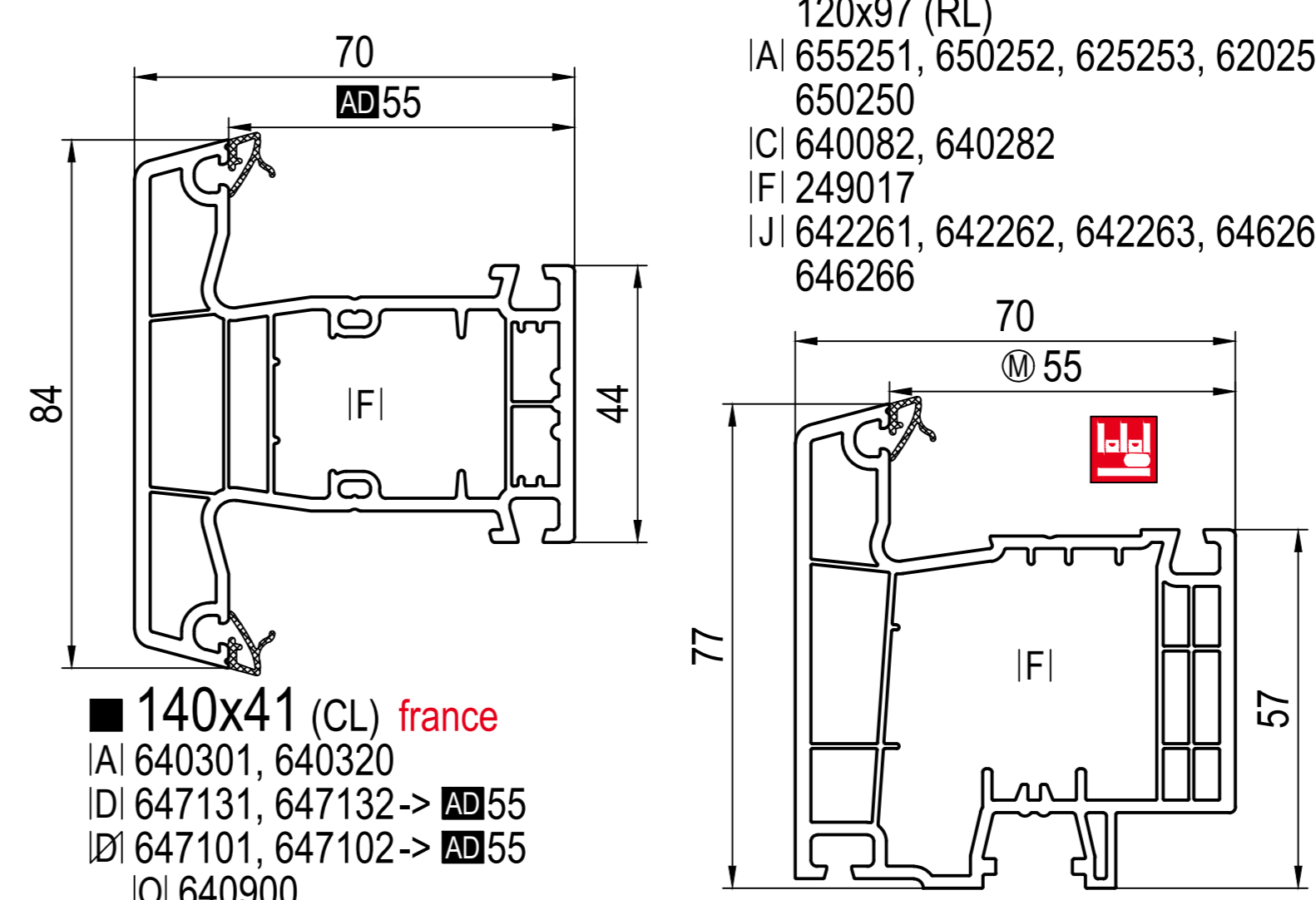
140x48 (CL) -> 140x27
AI 685251, 680250, 655251, 650252, 625253, 620250, 650250
DI 647148 -> 63
FI 249046
J 642261, 642262, 642263, 646265, 646266

140x45 (CL) france
AI 640301, 640320
DI 677133 -> AD55
DI 647136, 677103 -> AD55 IO 640901
DI 647245 -> 55
DI 640046 -> uniwersalny
FI 249034, 249035, 249039
II 640441
PI 249343
UI 247070, 267070, 277070, 287070
VI 646370 -> IUI 247070



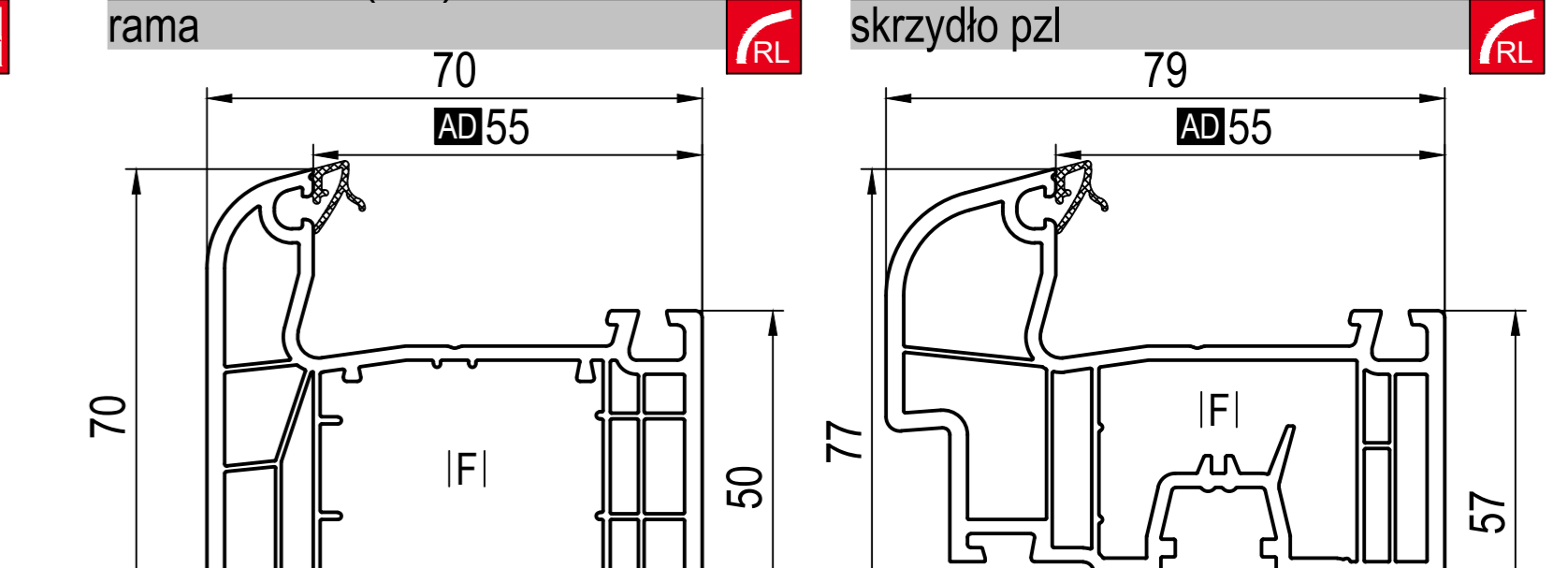
140x74 (CL) france -> 140x24
120x97 (RL)
AI 655251, 650252, 625253, 620250, 650250
CI 640082, 640282
FI 249174, 249175
J 642261, 642262, 642263, 646265, 646266

140x76 (CL) france -> 140x20
120x97 (RL)
AI 655251, 650252, 625253, 620250, 650250
CI 640082, 640282
FI 249017
J 642261, 642262, 642263, 646265, 646266



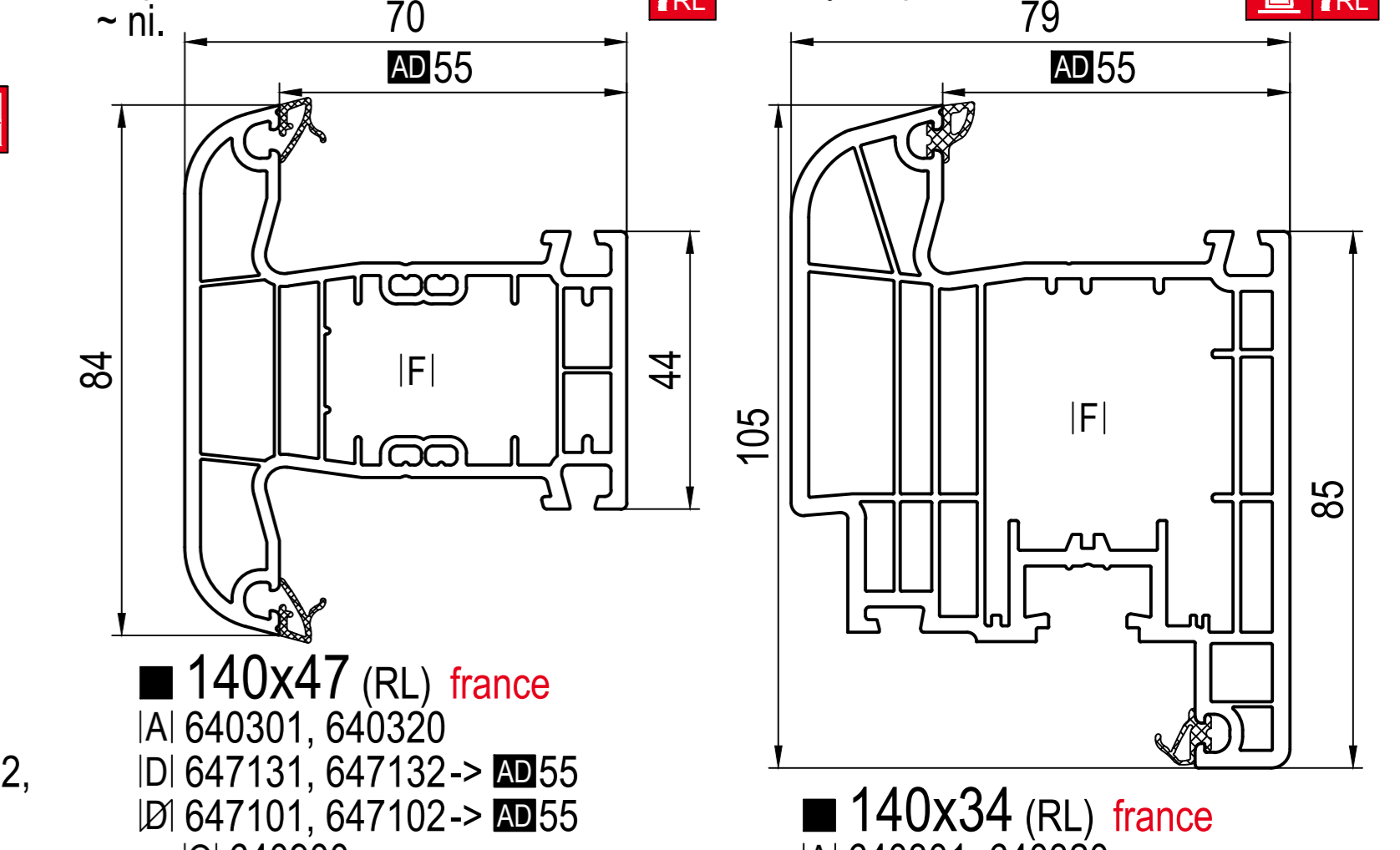
140x78 (CL) france -> 140x28
120x97 (RL)
AI 655251, 650252, 625253, 620250, 650250
CI 640082, 640282
FI 249028, 249029 * 249078
* IEI 640029 IO 640938
J 642261, 642262, 642263, 646265, 646266

140x41 (CL) france
AI 640301, 640320
DI 647131, 647132 -> AD55
DI 647101, 647102 -> AD55 IO 640900
DI 647241 -> 55
DI 620046 -> uniwersalny
FI 229098, 229100, 229101
II 640441
PI 249341
UI 247070, 267070, 277070, 287070
VI 646370 -> IUI 247070



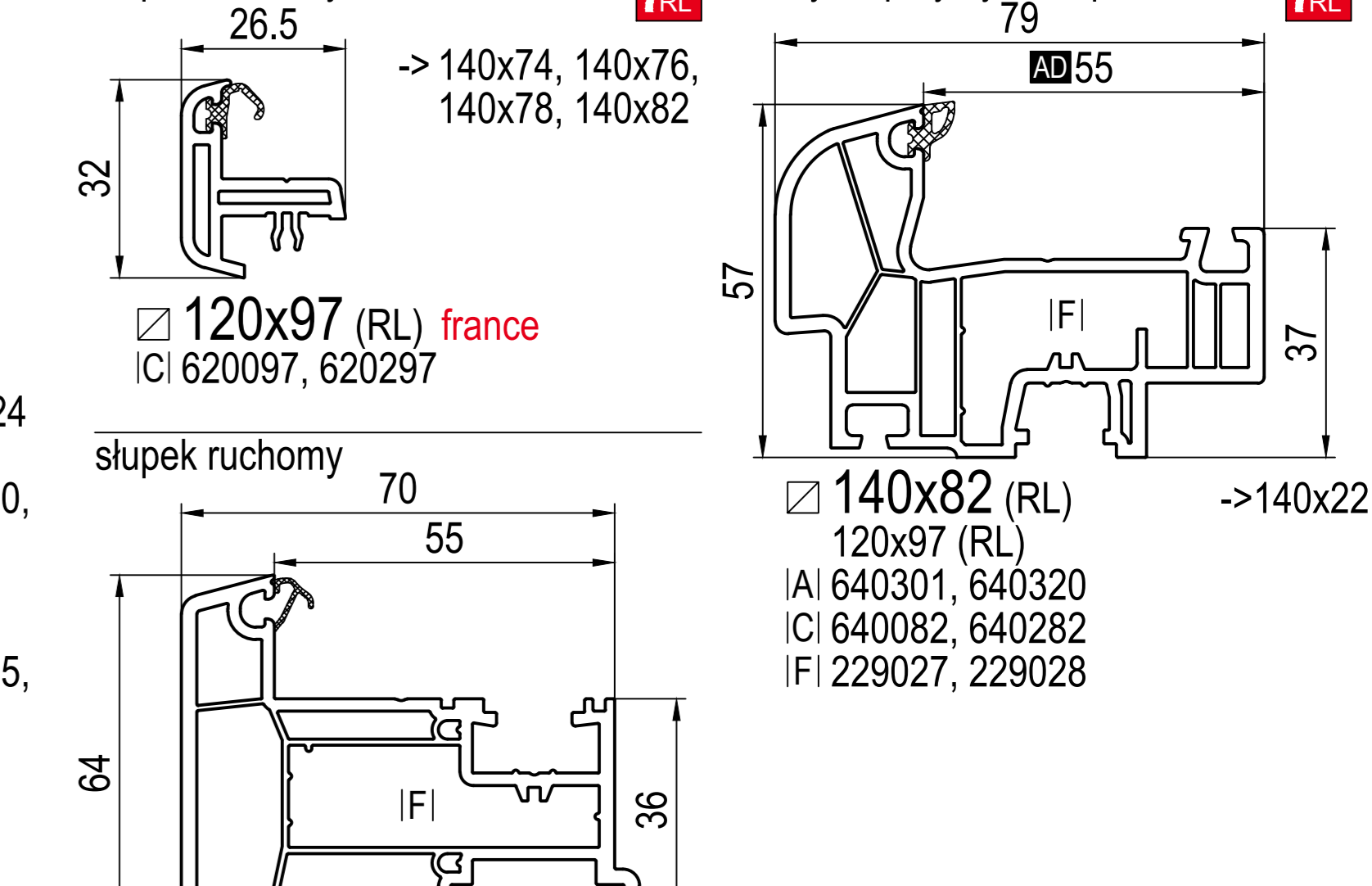
140x08 (RL) france
AI 640301, 640320
FI 229023, 229024, 229026, 229029, 229030, 229112, 229113, 229121, 249026
II 640441
UI 247070, 267070, 277070, 287070
VI 640048 IO 640970 IXI 446070

140x22 (RL) france -> 140x82
AI 640301, 640320
FI 229023, 229024, 229026, 229027, 229028
II 620440



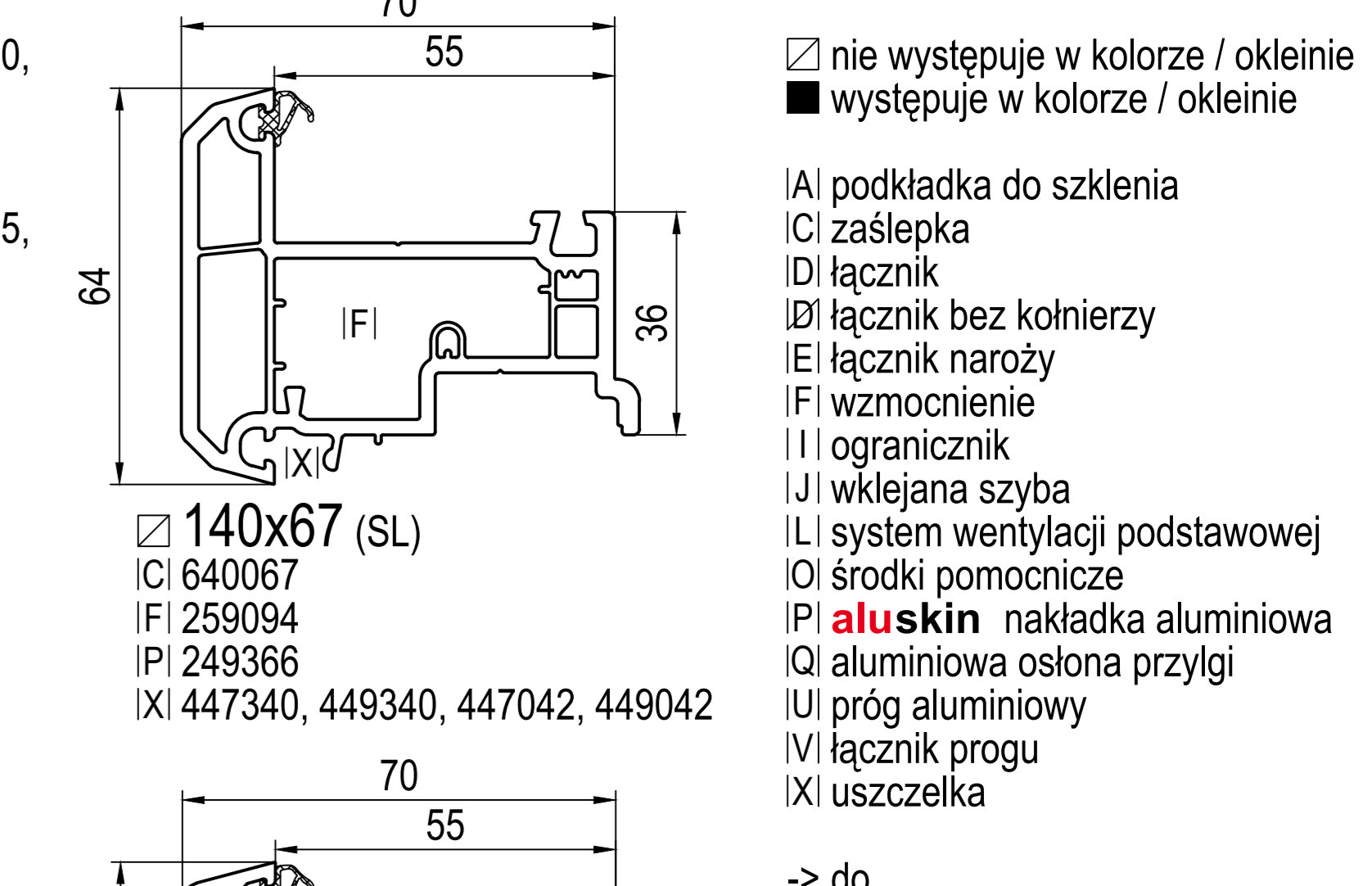
140x47 (RL) france
AI 640301, 640320
DI 647131, 647132 -> AD55
DI 647101, 647102 -> AD55 IO 640900
DI 647241 -> 55
DI 620046 -> uniwersalny
FI 229098, 229100, 229101
II 640441
UI 247070, 267070, 277070, 287070
VI 640971 IXI 446073

140x34 (RL) france
AI 640301, 640320
* FI 249007, 249009 *
* IEI 640032 IO 640938
II 620440



120x97 (RL) france
CI 620097, 620297

140x82 (RL) -> 140x22
120x97 (RL)
AI 640301, 640320
CI 640082, 640282
FI 229027, 229028



140x66 (CL) france
CI 640066
CI 229063
PI 249366
IXI 447340, 449340, 447042, 449042

140x67 (SL)
CI 640067
FI 259094
PI 249366
IXI 447340, 449340, 447042, 449042



profile główne

Diagram showing main profiles (rama, skrzydło nzi) for various window types (120x05, 120x07, 120x22, 120x30, 120x31, 120x41) with dimensions and part numbers.

dotatki

Diagram showing additional components (podkładka do szklenia, łącznik bez kolnierzy, zaślepka, próg aluminiowy) with dimensions and part numbers.

Diagram showing connection components (ID łącznik, uniwersalny, I łącznik naroży) with dimensions and part numbers.

Diagram showing reinforcement profiles (FI wzmocnienie) with dimensions and part numbers.

Diagram showing limiters (II ogranicznik) and gaskets (XI uszczelka) with dimensions and part numbers.

Diagram showing alternative profiles (II próg aluminiowy alternatywa) with dimensions and part numbers.

szkiełko / szczelina

Diagram showing glass and seal details for various window types with dimensions and part numbers.

szkiełko / szczelina

Diagram showing glass and seal details for various window types with dimensions and part numbers.

szkiełko / szczelina

Diagram showing glass and seal details for various window types with dimensions and part numbers.

Diagram showing additional components (I próg aluminiowy standard, opcja) with dimensions and part numbers.

Diagram showing additional components (profile dodatkowe) with dimensions and part numbers.

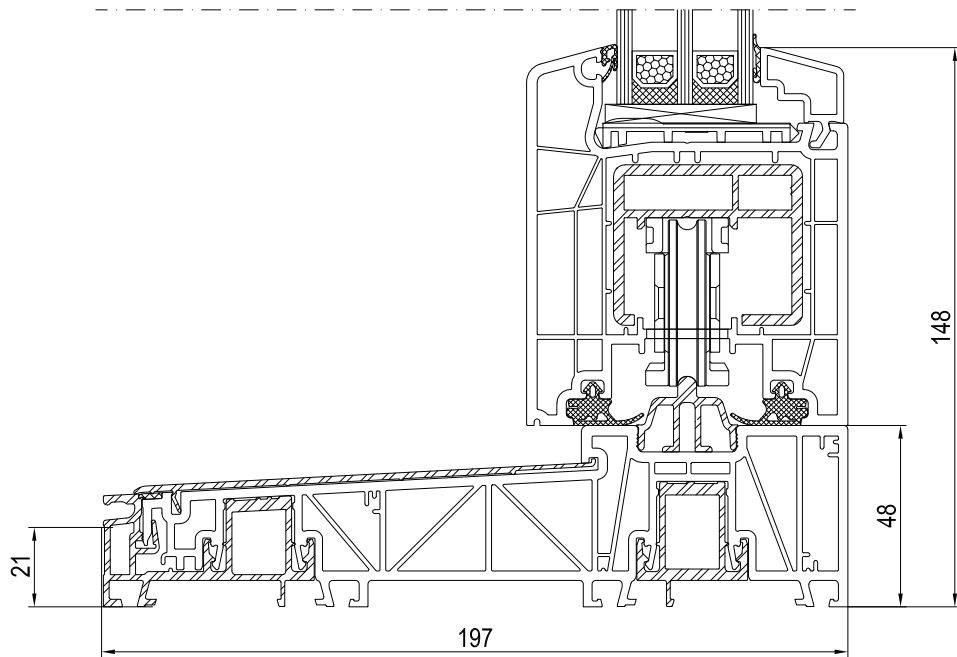
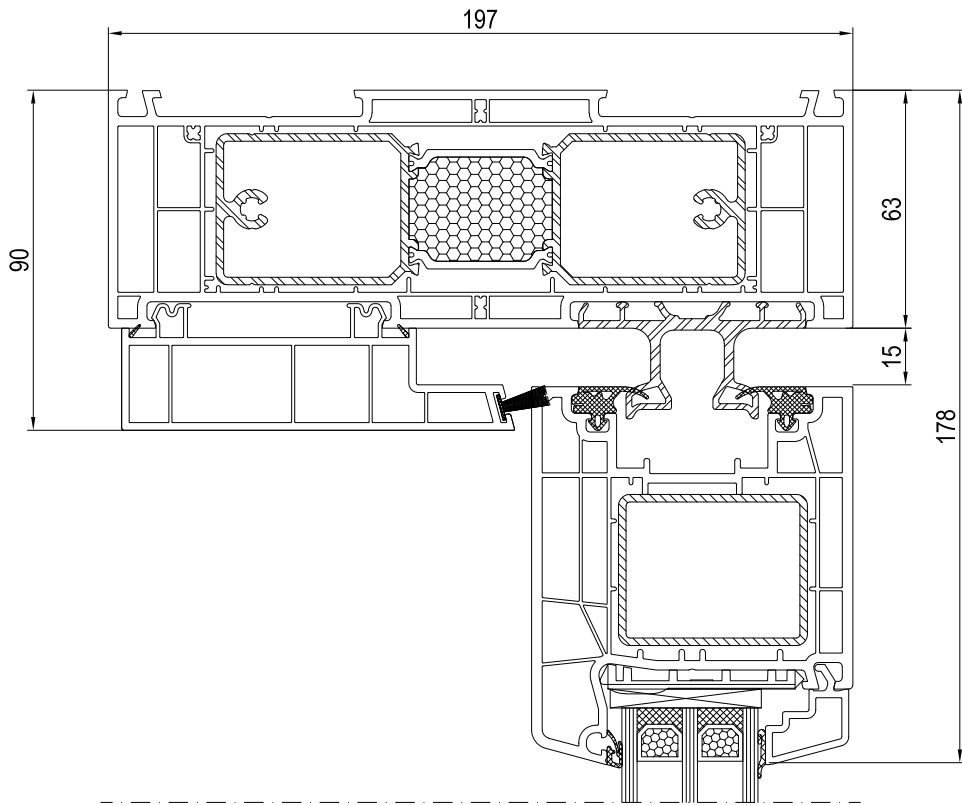
Diagram showing additional components (II uszczelka) with dimensions and part numbers.

Diagram showing additional components (III okapnik aluminiowy) with dimensions and part numbers.

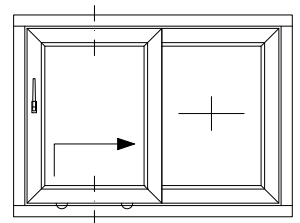
Diagram showing additional components (IV łącznik progu) with dimensions and part numbers.

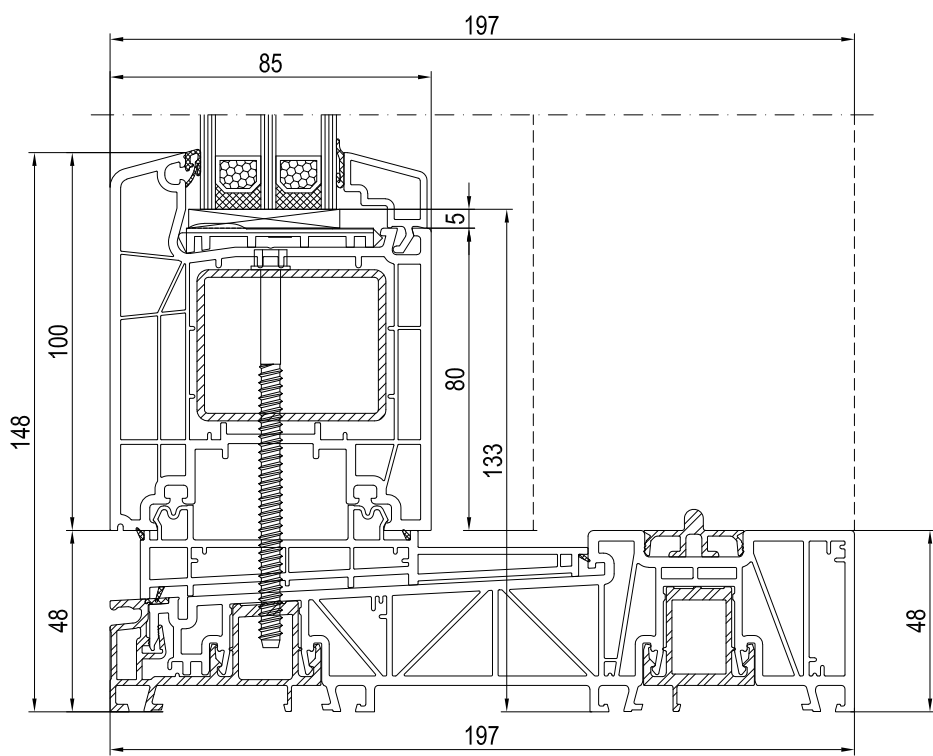
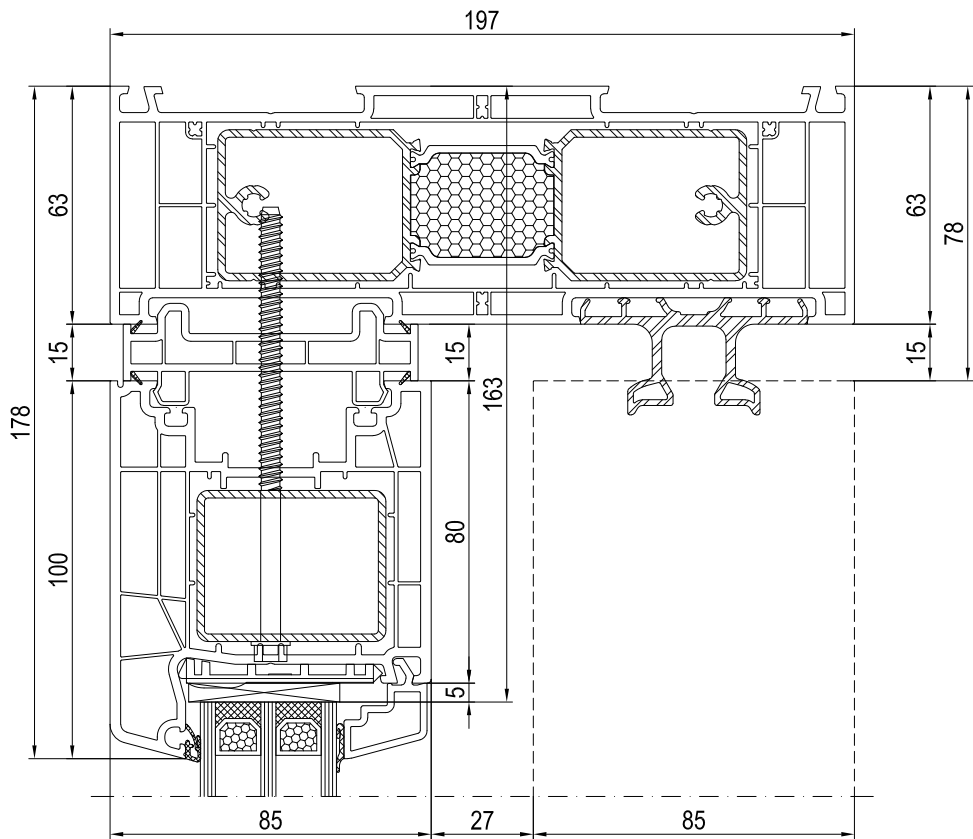
Table with 28 columns showing dimensions (a, c, d) and glass thickness (grubość oszklenia) for various window types.

Table with 28 columns showing dimensions (b) and part numbers for various window types.

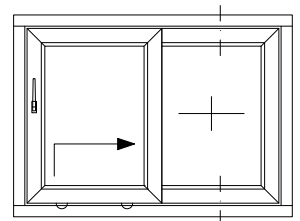


Schema A



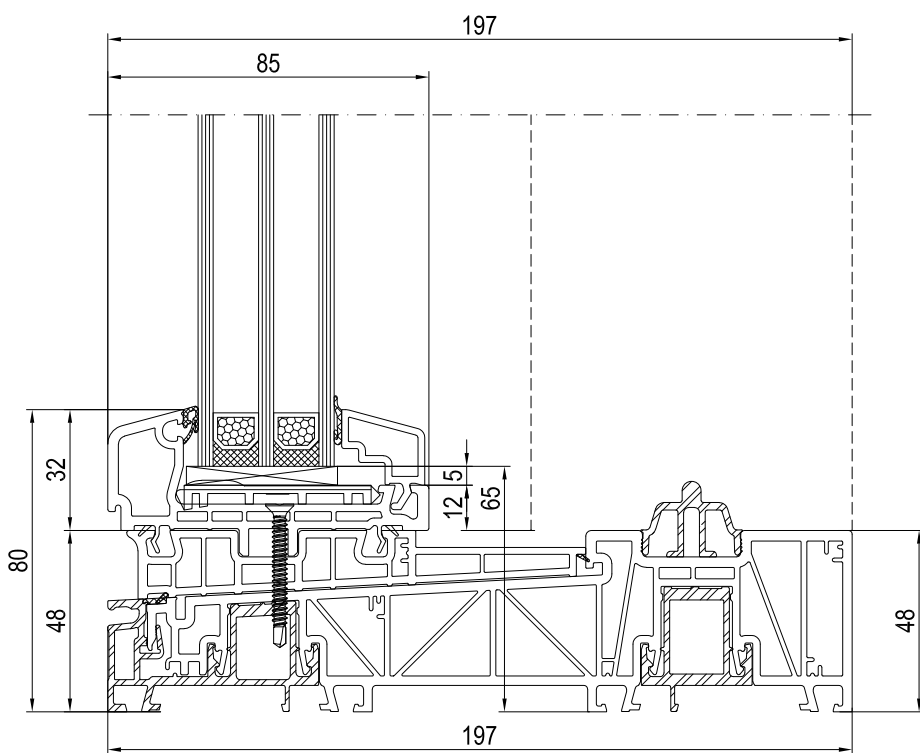
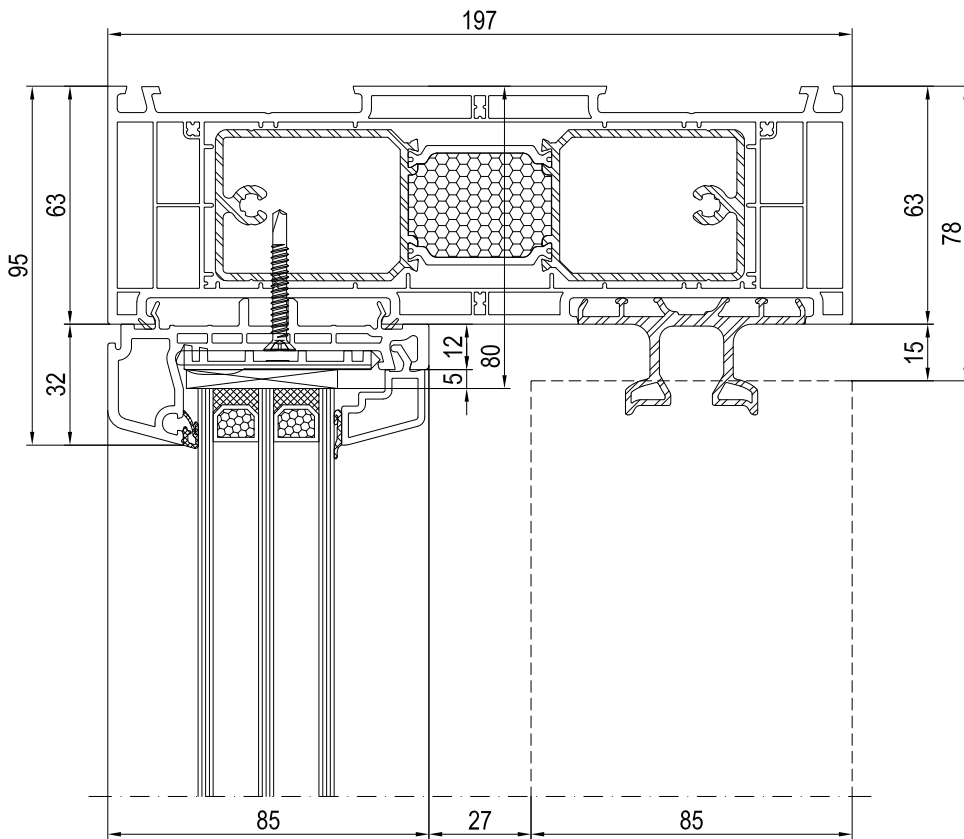


Schema A

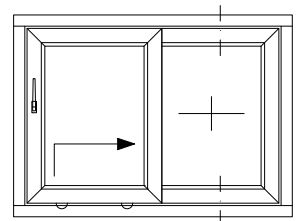


Lift-and-slide

fixed sash option BF/ standard version

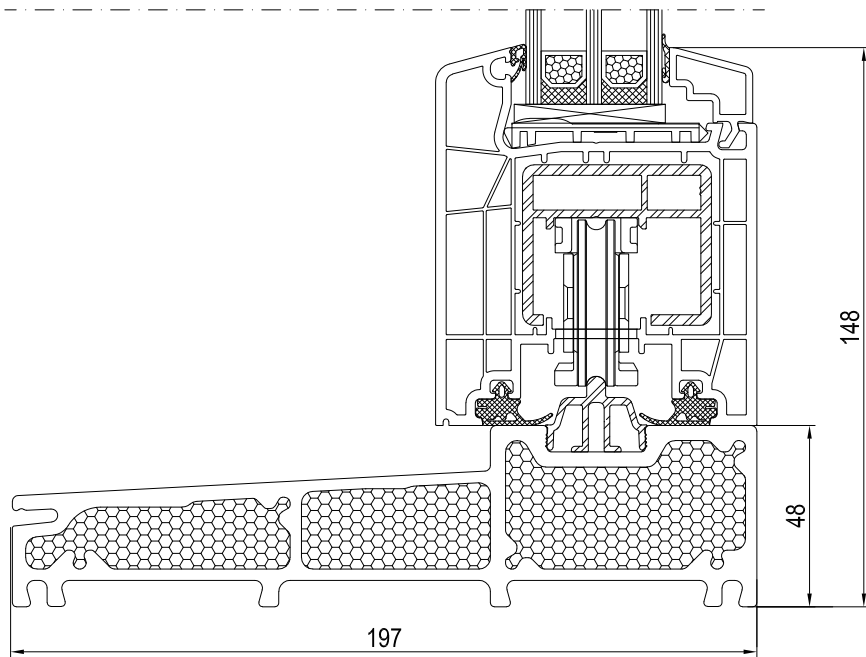
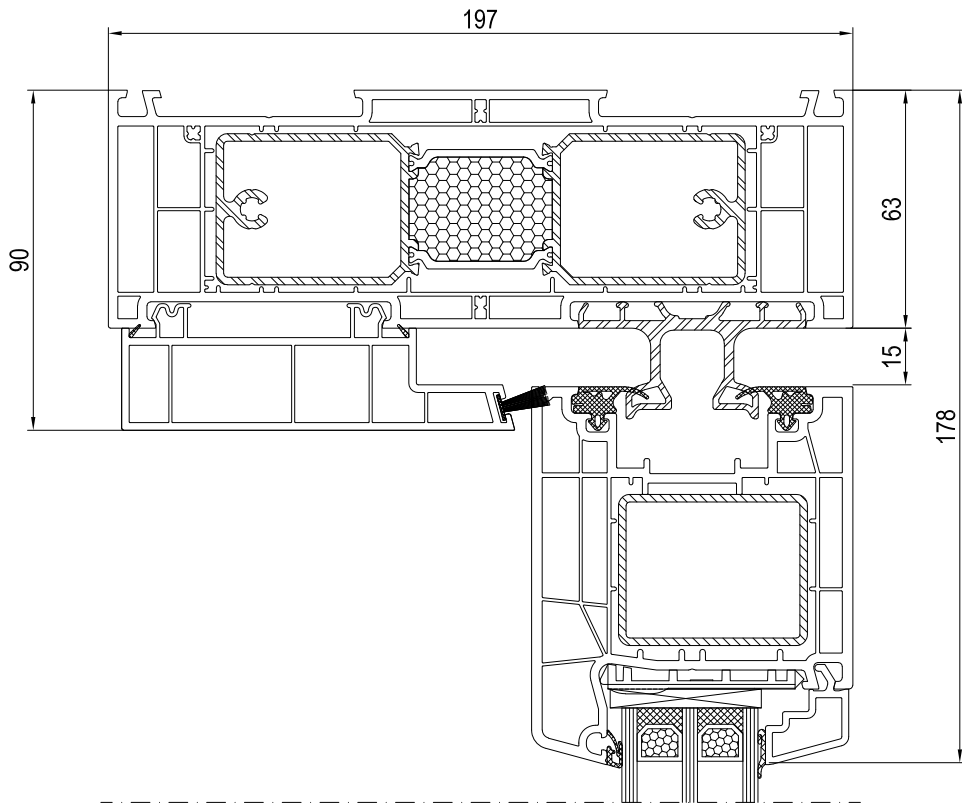


Schema A

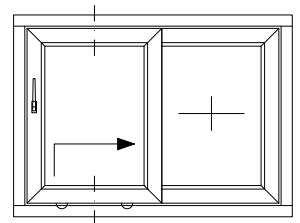


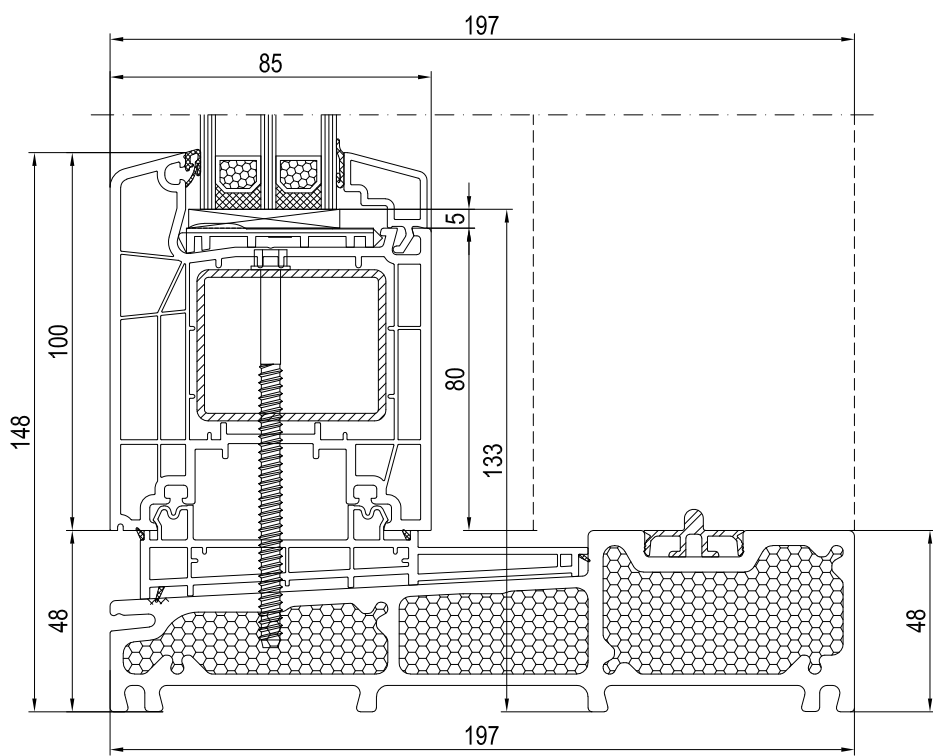
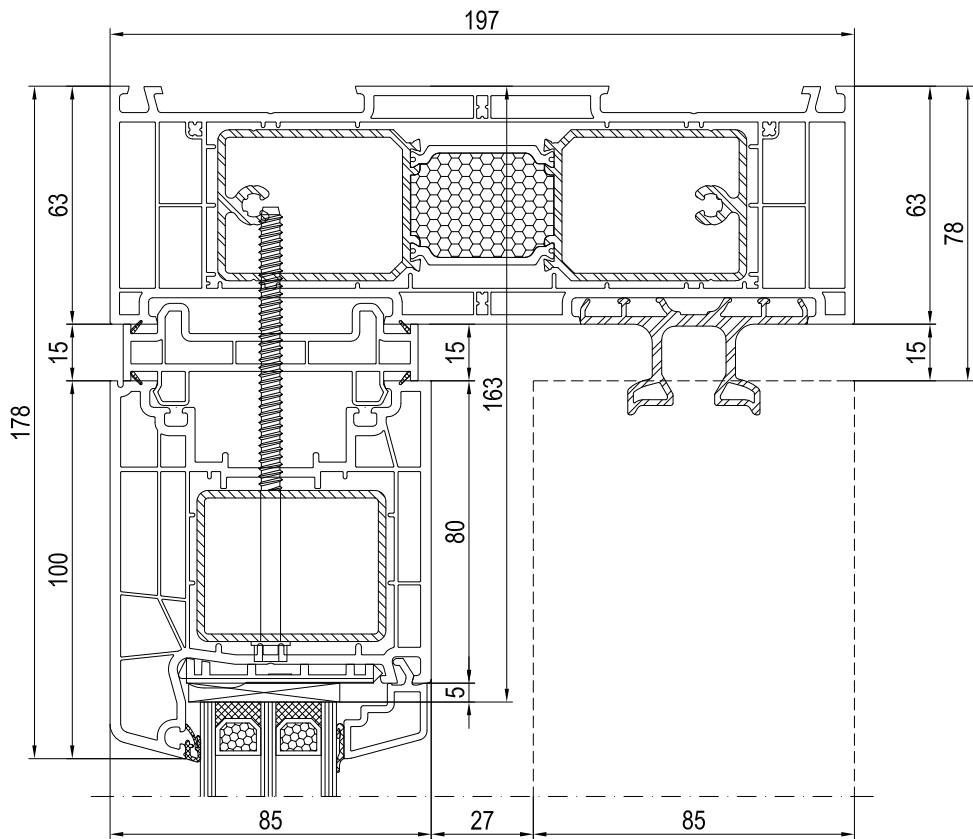
Lift-and-slide

fixed sash option FF/ standard version

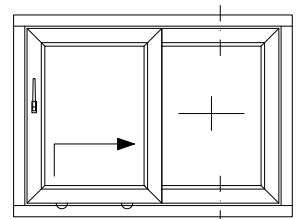


Schema A



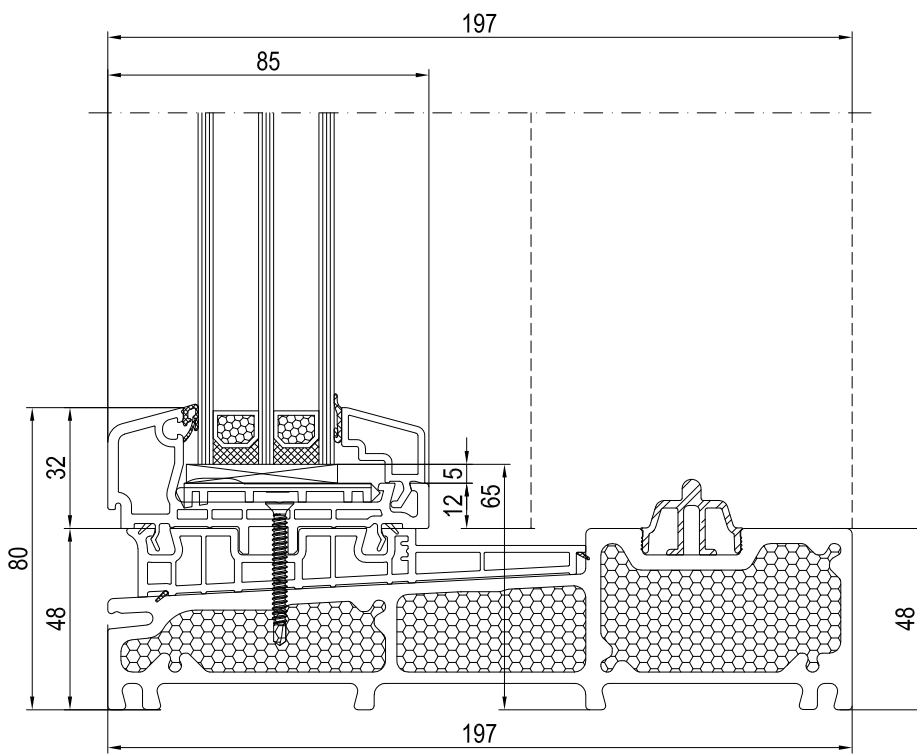
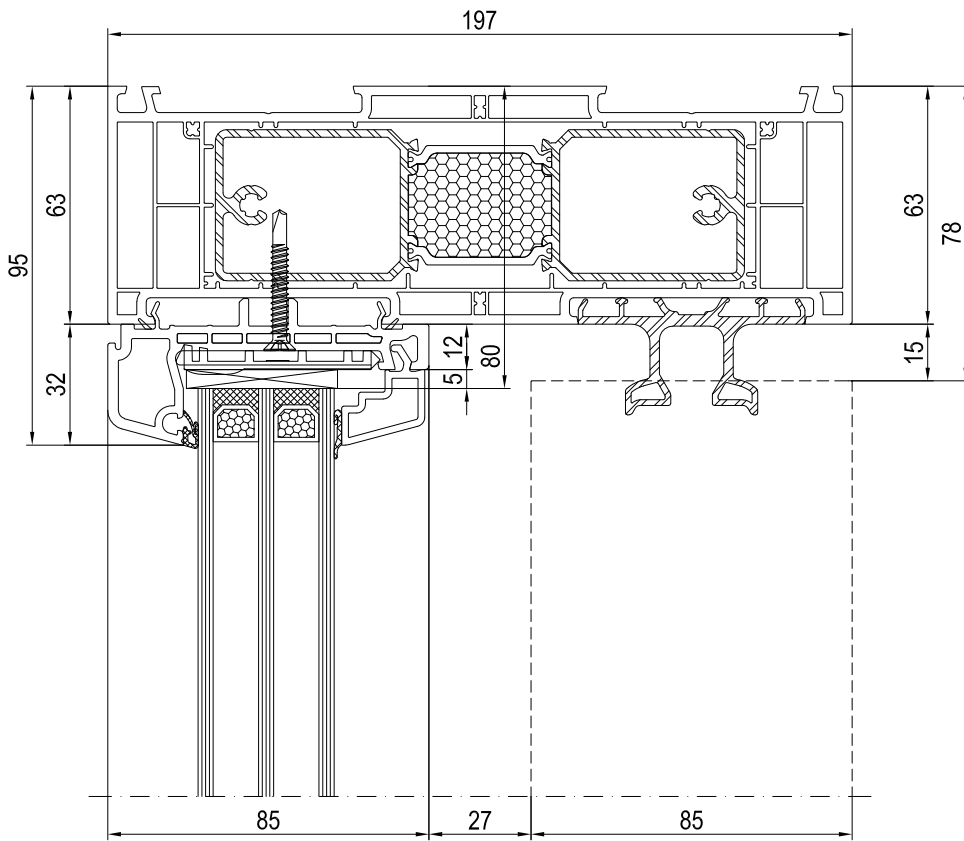


Schema A

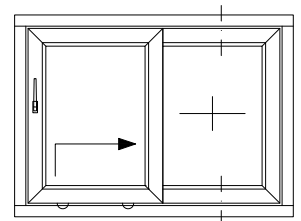


Lift-and-slide

fixed sash option BF/ premium version



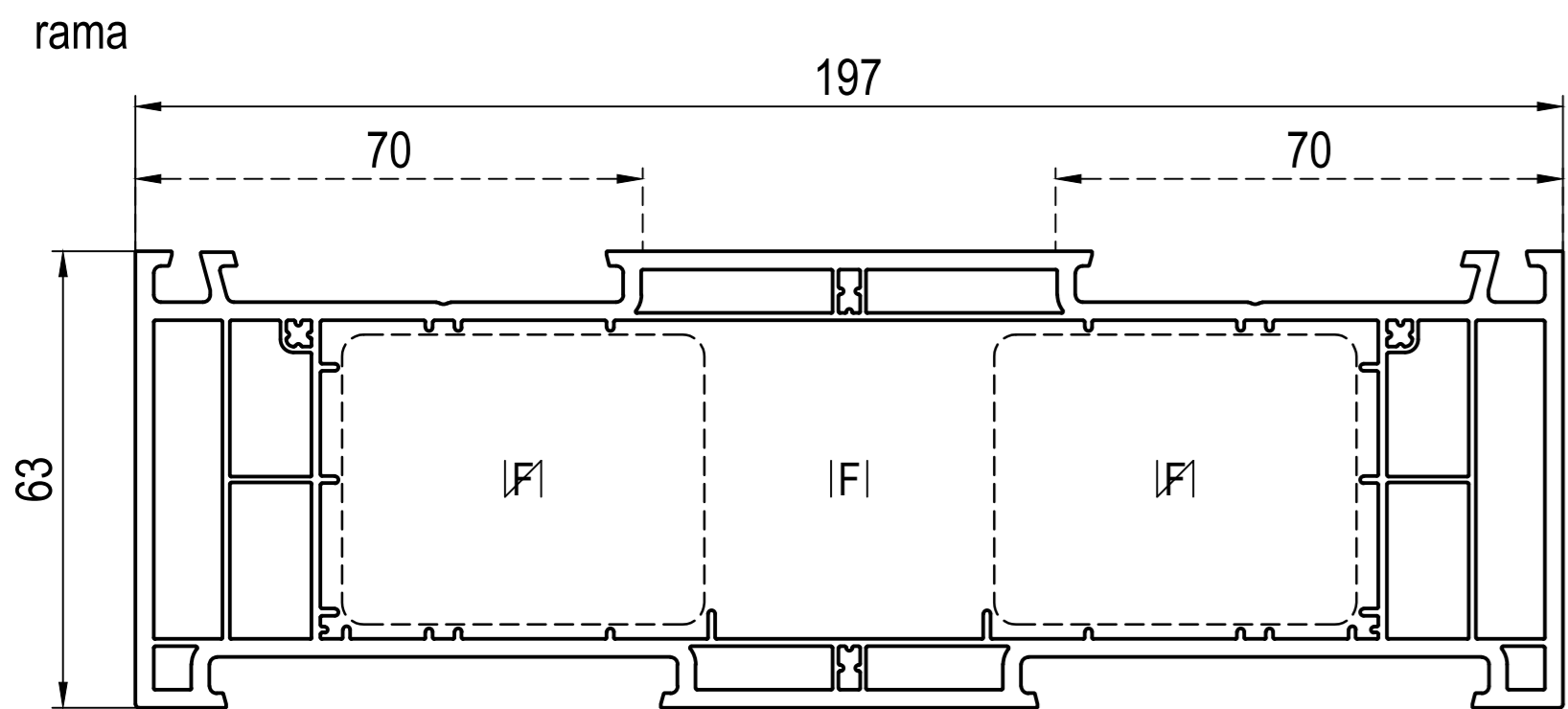
Schema A



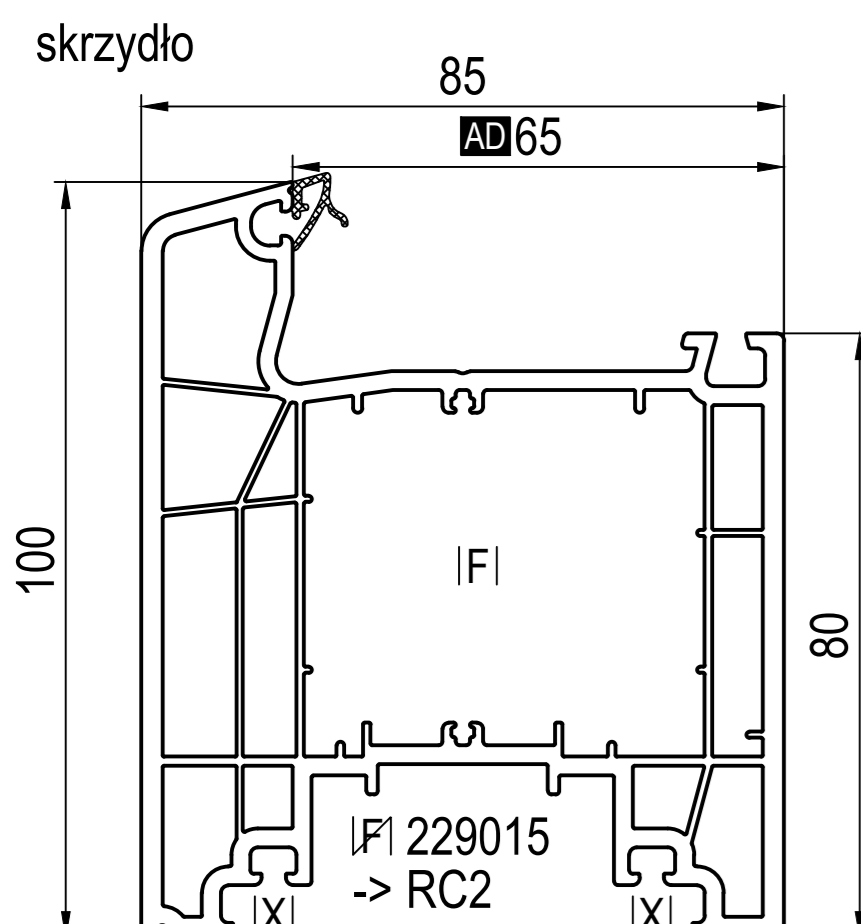
Lift-and-slide

fixed sash option FF/ premium version

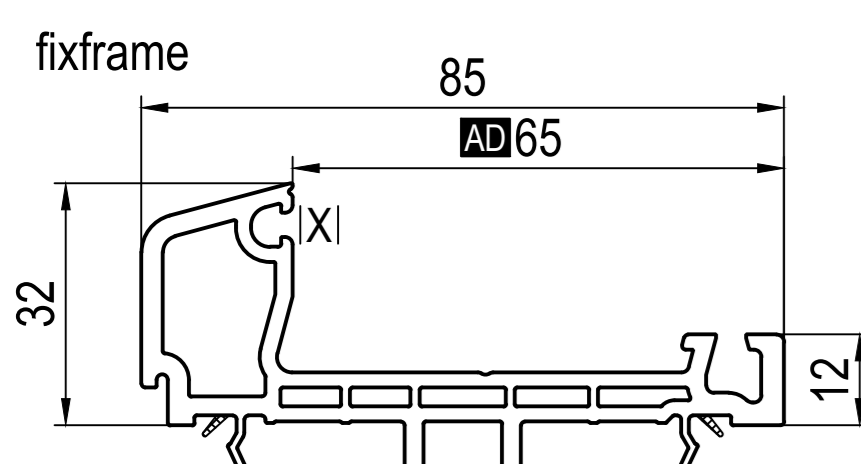
lift-slide



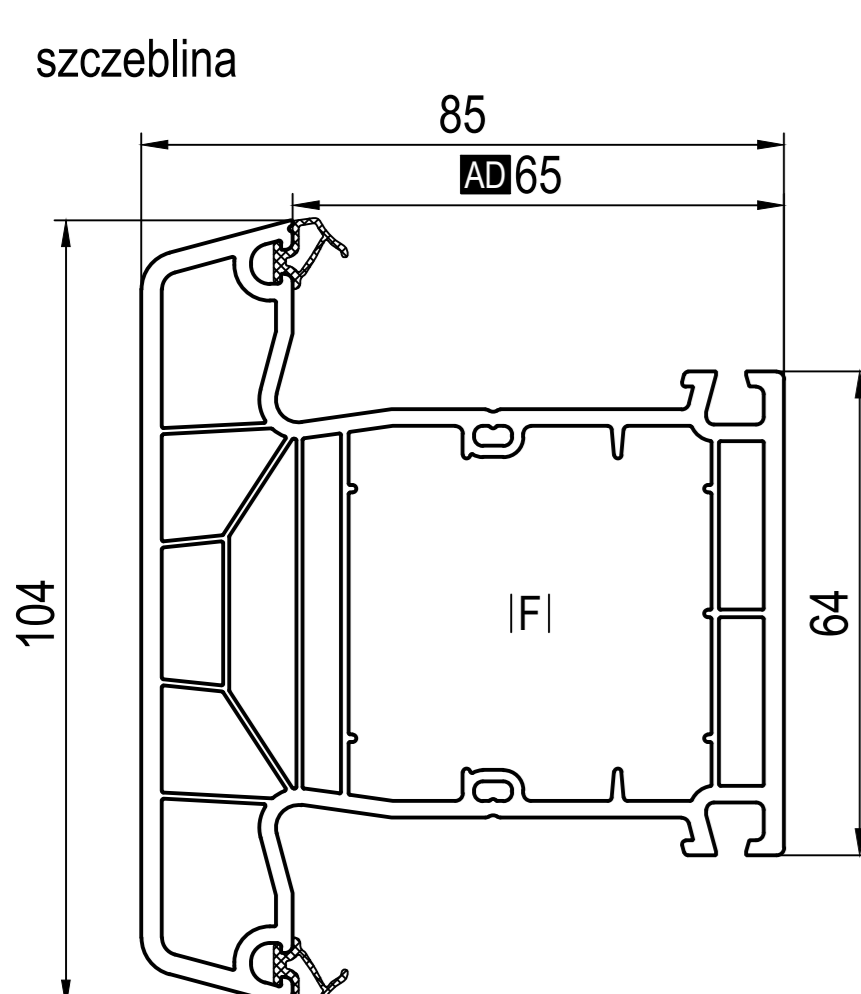
170080
FI 24922x, 27910x
FI 229125, 229126 (2x)
PI 279380, 279383, 279384
ZI 670380, 679321



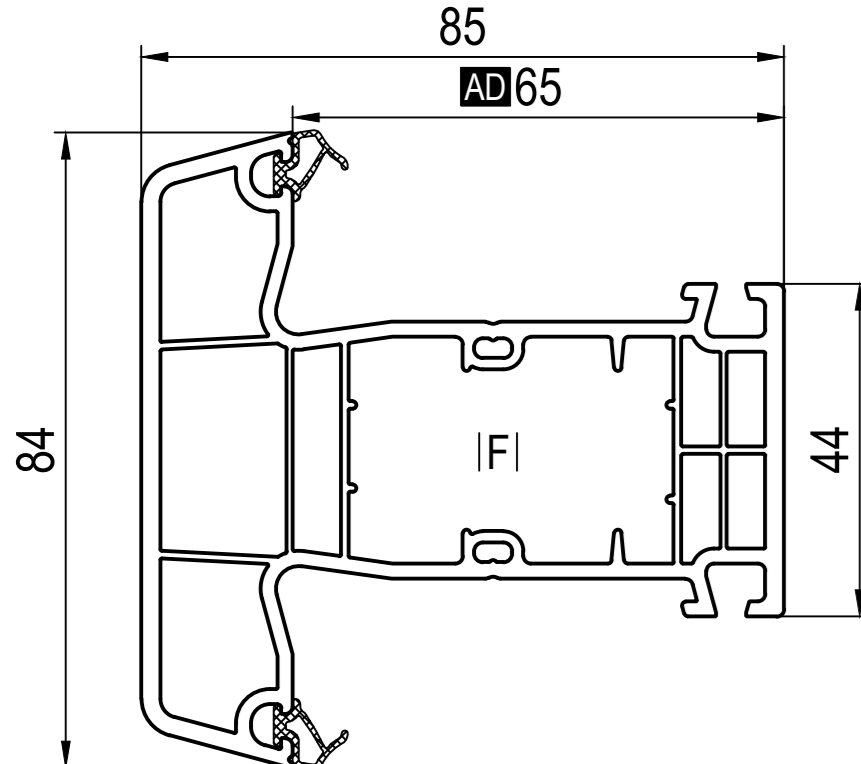
170x81 (CL)
IA 670301
FI 229125, 229126, 279036, 279082, 279083, 279084
FI 229114, 229115 + ZI 670290
PI 279381, 279382, 279386
XI 479181
ZI 679303, 679341



170082 (CL)
IA 670301
PI 279306, 279307
XI 477025, 479025, 477015, 479015
ZI 679306, 679382

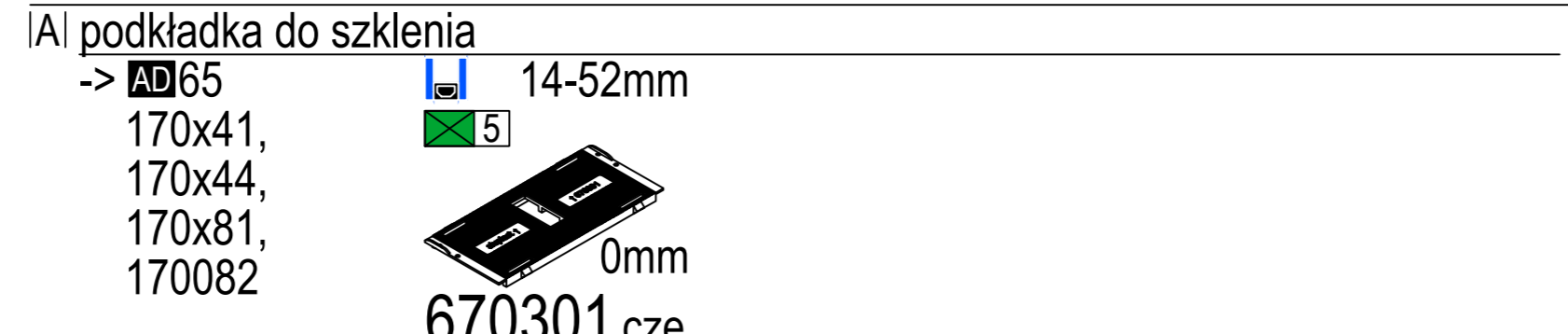


170x44 (CL)
-> 170x81, 170082
IA 670301
DI 677145 DI 677146 -> 65
OI 670950
ID 640046 -> uniwersalny
FI 249034, 249035, 249039
PI 289343

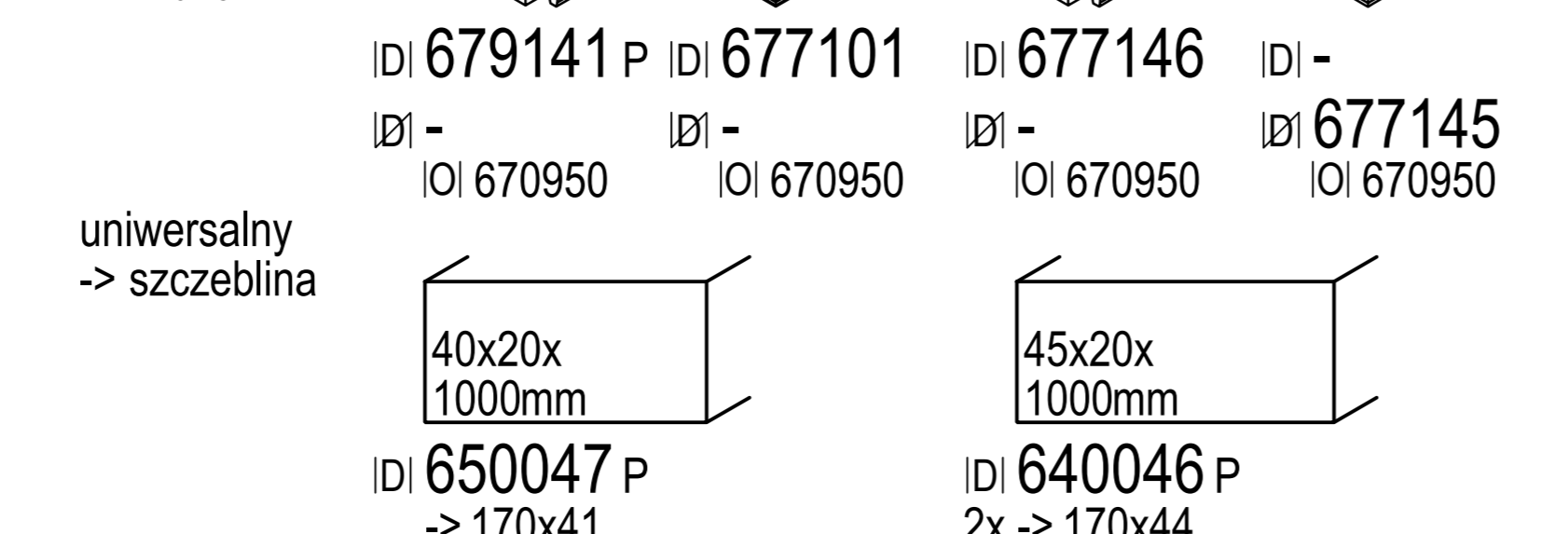


170x41 (CL)
-> 170x81, 170082
IA 670301
DI 677101, 679141 -> 65
OI 670950
ID 650047 -> uniwersalny
FI 259043, 259044
PI 289341

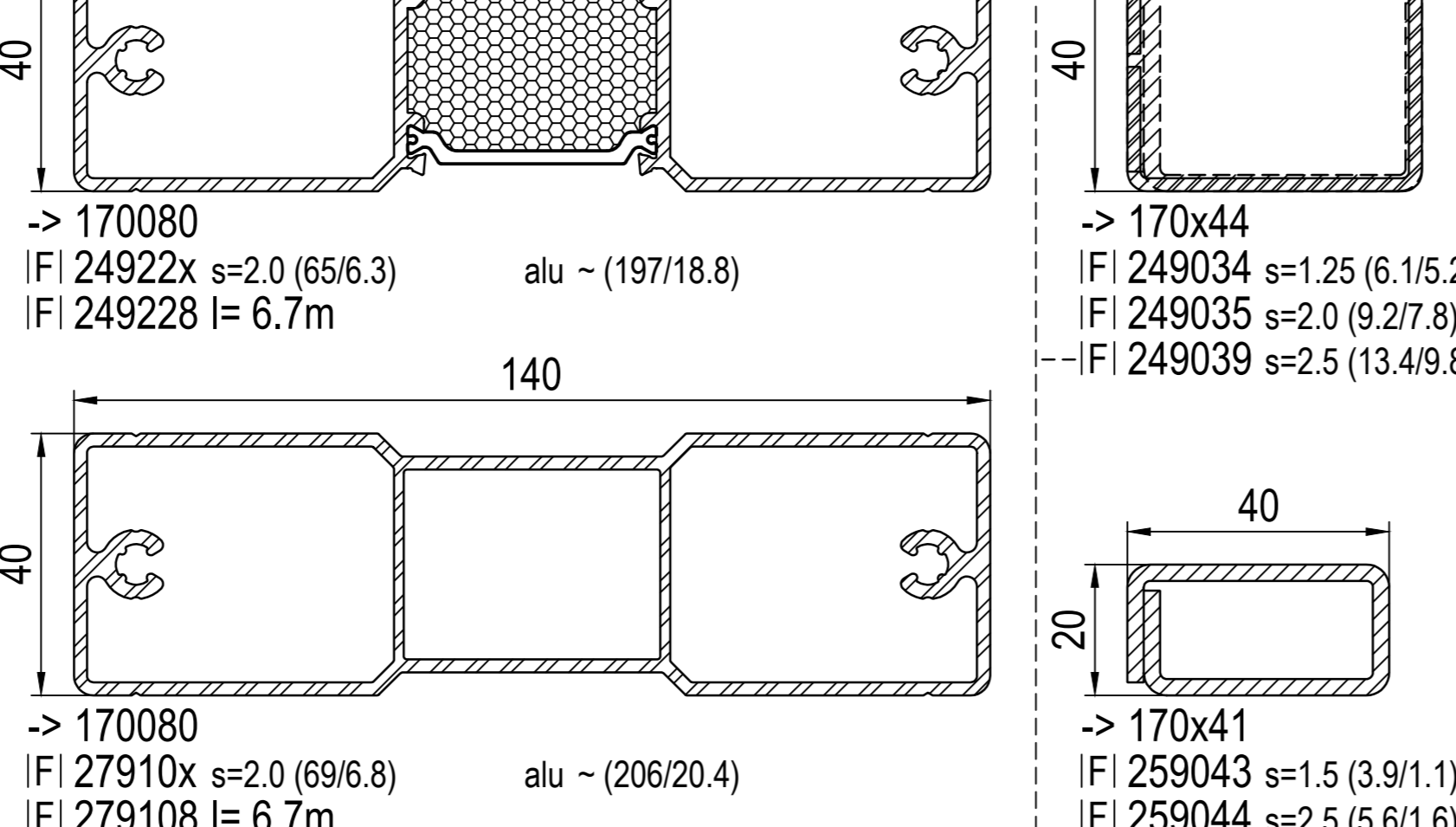
dodatki



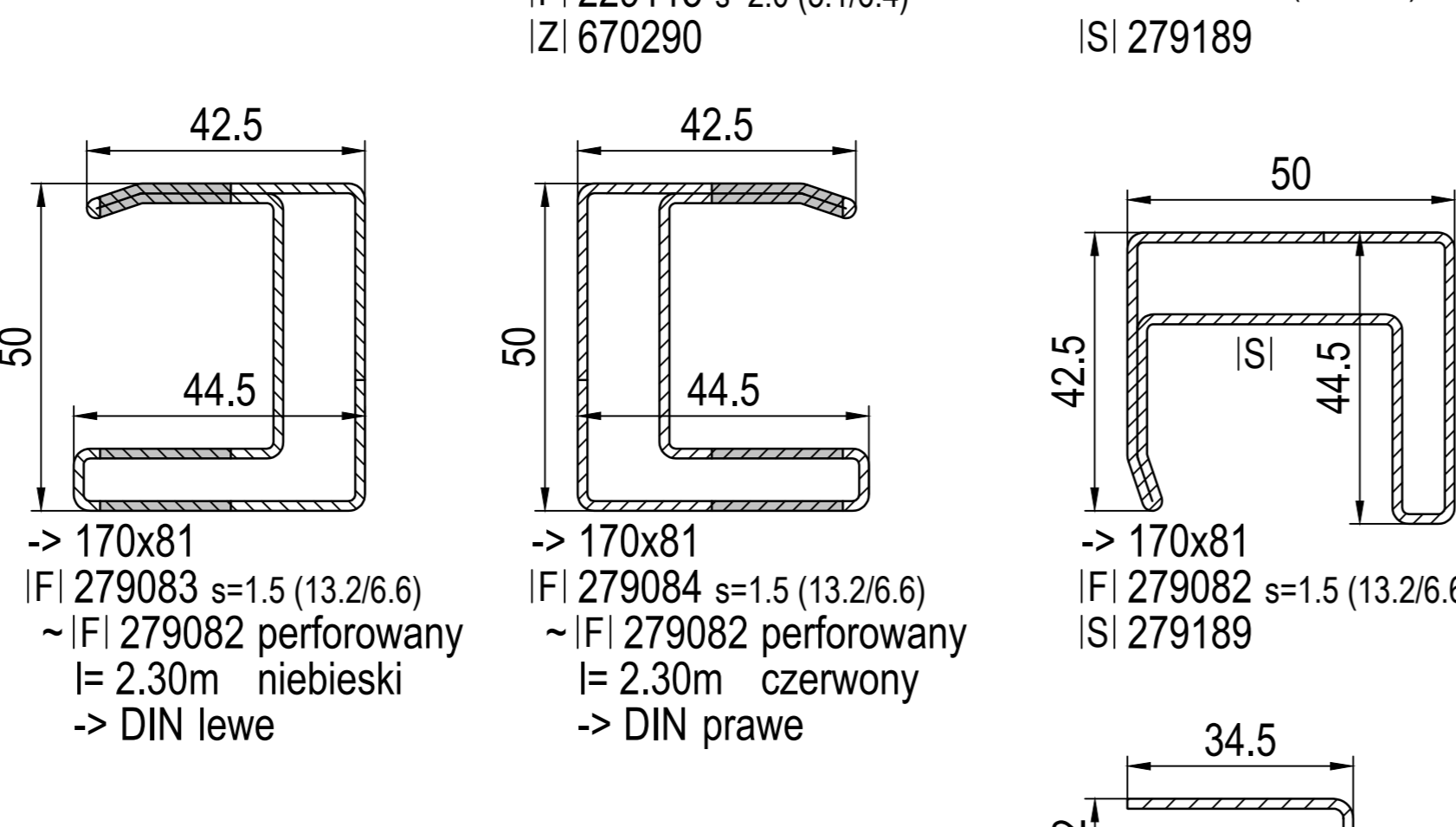
FI/FI wzmacnienie (lx/ly)
-> 170080
FI 24922x s=2.0 (65/6.3)
FI 249228 l= 6.7m
-> 170x44
FI 249034 s=1.25 (6.1/5.2)
FI 249035 s=2.0 (9.2/7.8)
FI 249039 s=2.5 (13.4/9.8)



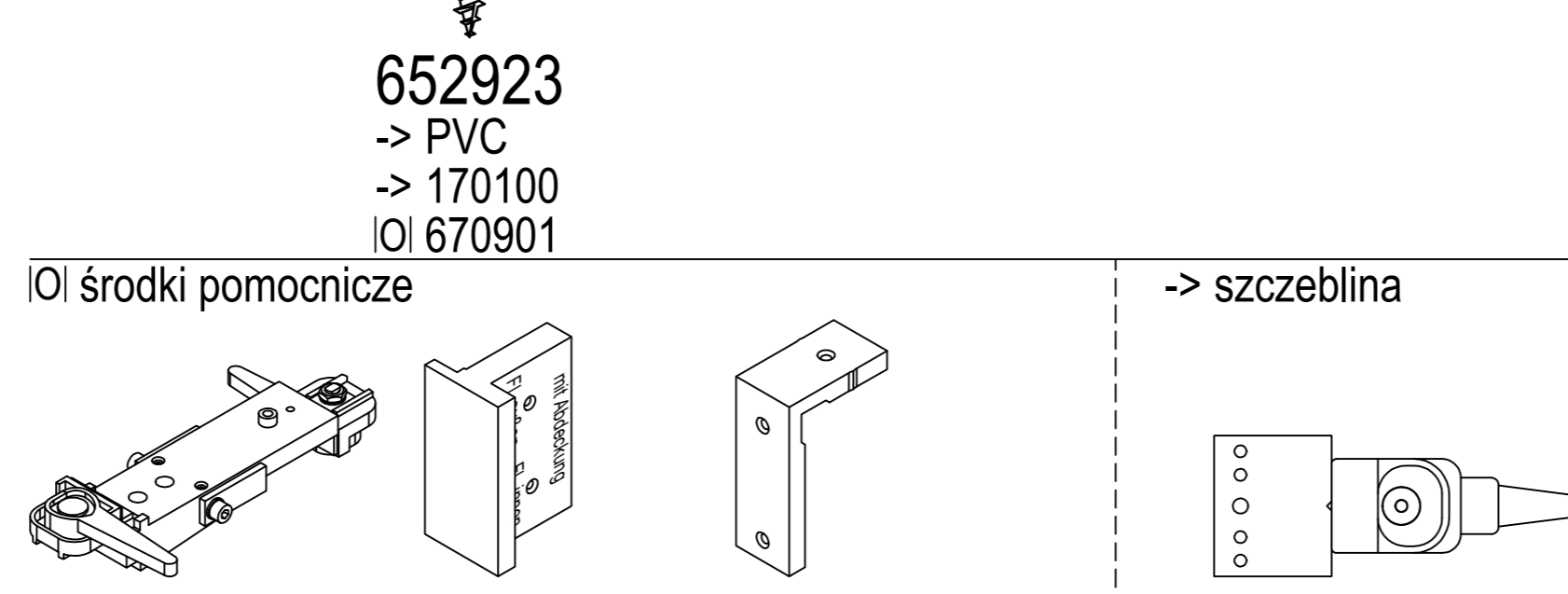
uniwersalny -> szczelina
ID 650047 P -> 170x41
ID 640046 P 2x -> 170x44



FI/FI wzmacnienie (lx/ly)
-> 170080
FI 27910x s=2.0 (69/6.8)
FI 279108 l= 6.7m
-> 170x41
FI 259043 s=1.5 (3.9/1.1)
FI 259044 s=2.5 (5.6/1.6)

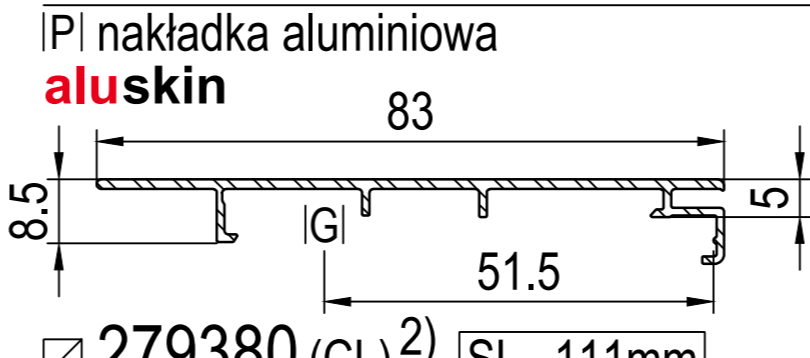


176103 sz -> 170x81
XI 679300
ZI 679302, 679303

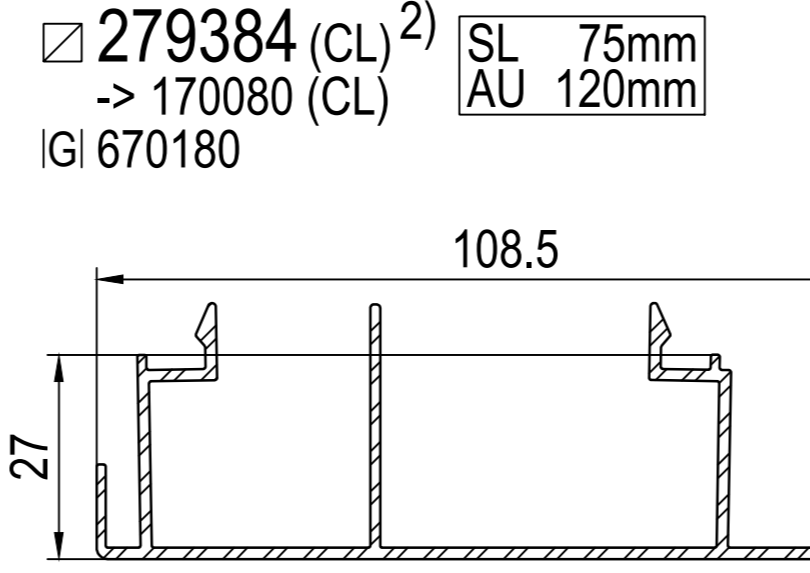


176106 sz
SI 277138, 277180
XI 420250, 421250, 423250, 429250
XI 679300
ZI 679306

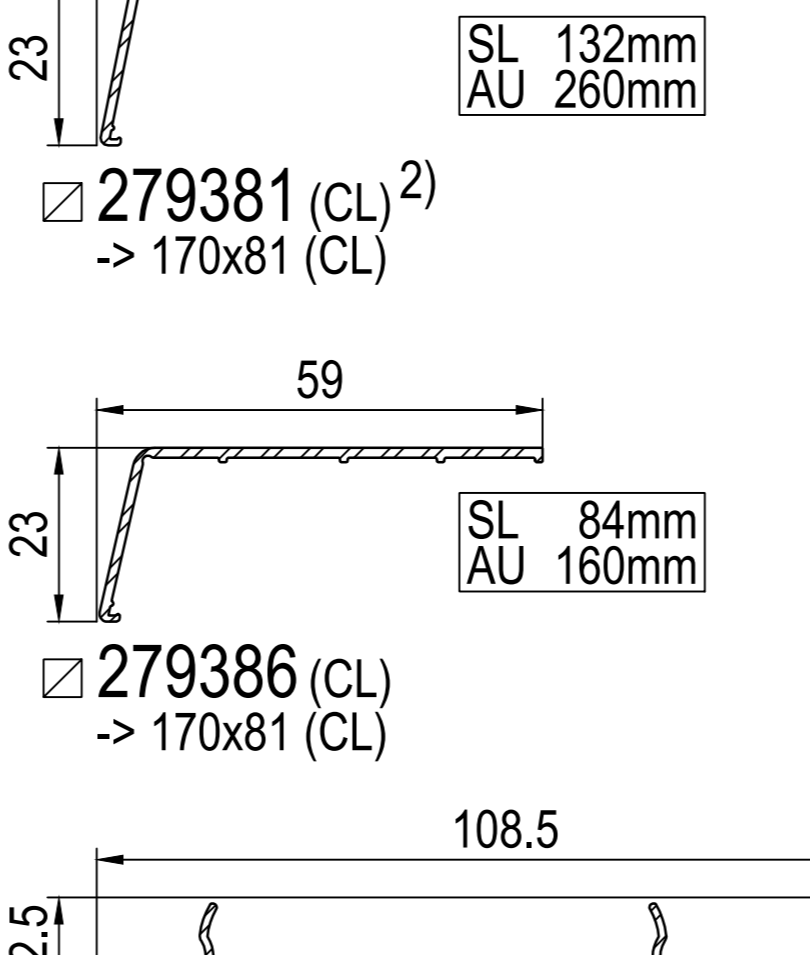
170104 -> 170080
YI 449901, 459933
ZI 679304



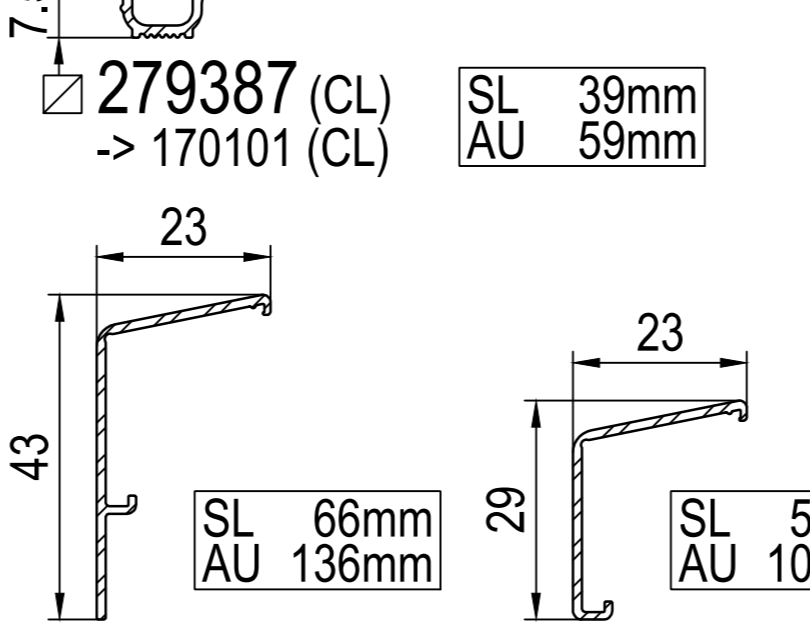
IP nakładka aluminiowa
aluskin
279380 (CL) 2 SL 111mm
-> 170080 (CL) AU 237mm
GI 670180



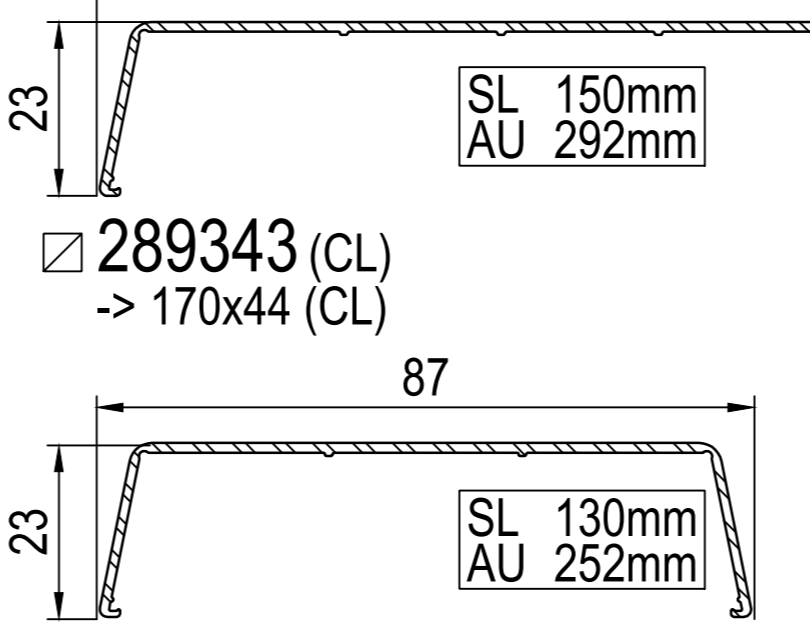
279384 (CL) 2 SL 75mm
-> 170080 (CL) AU 120mm
GI 670180



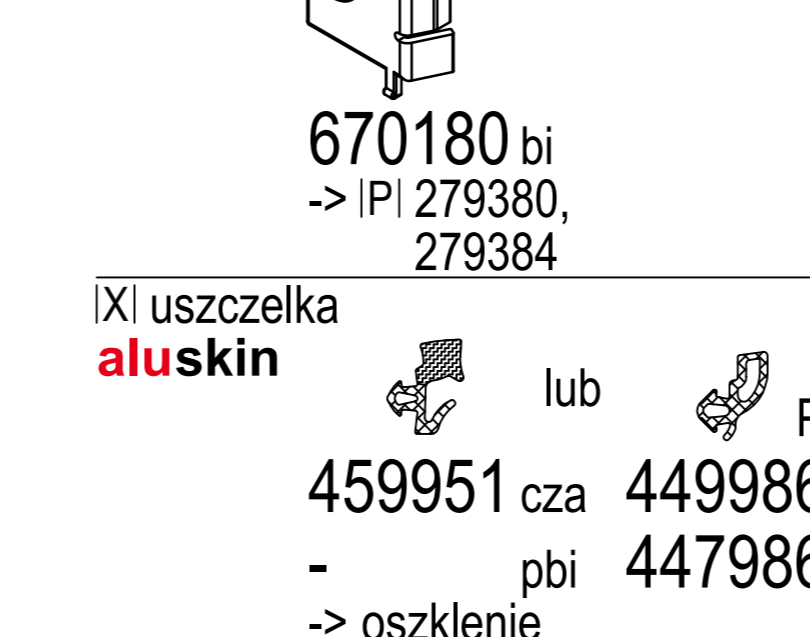
279381 (CL) 2
-> 170x81 (CL)
YI 459933



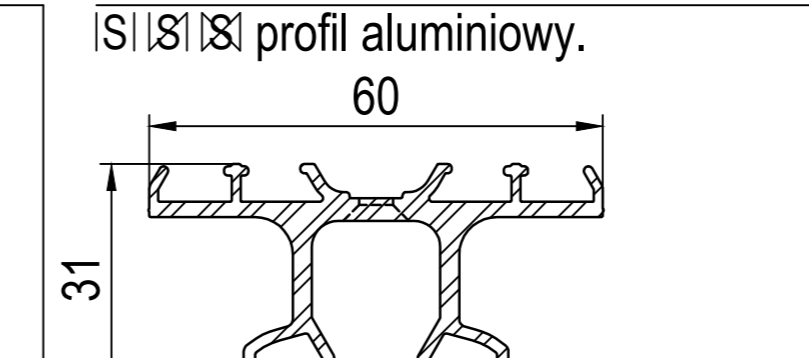
279382 (CL) SL 125mm
-> 170x81 (CL) AU 284mm



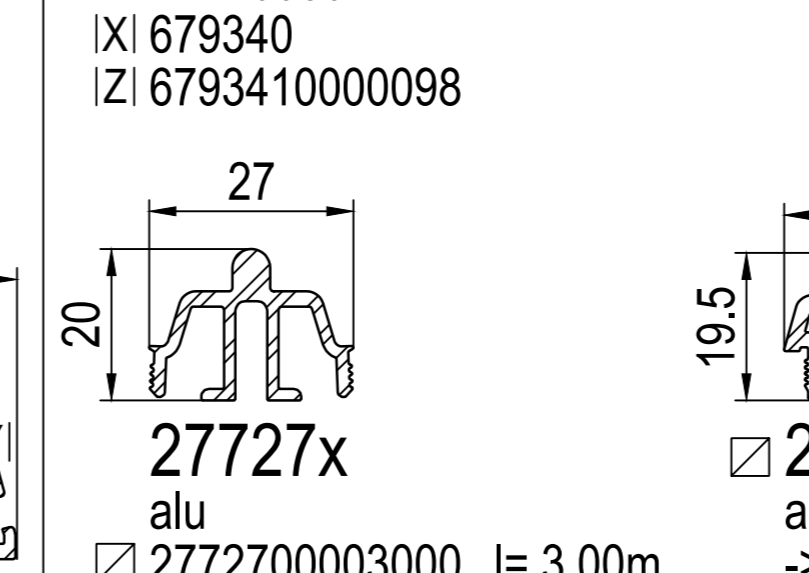
279387 (CL) SL 39mm
-> 170101 (CL) AU 59mm



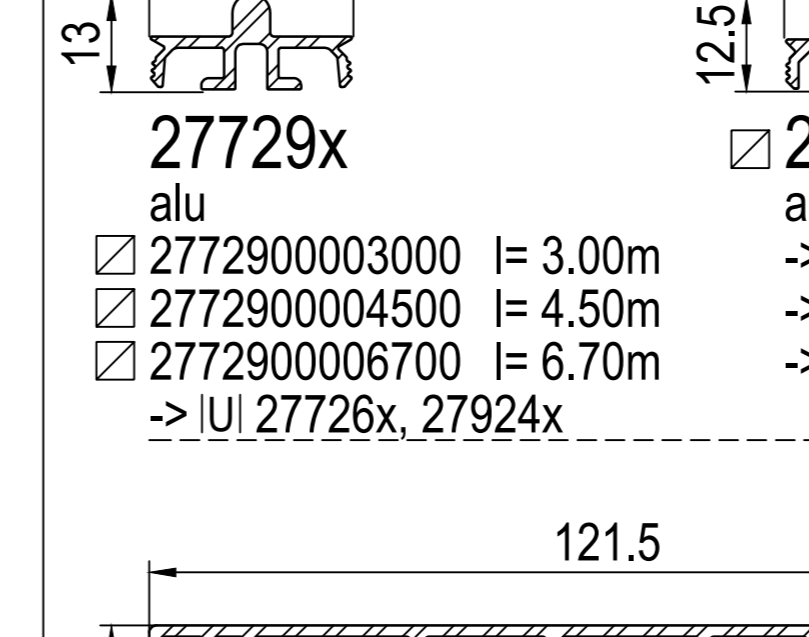
289343 (CL) -> 170x44 (CL)
289341 (CL) -> 170x41 (CL)
GI wkreś kształtowy / klips aluskin



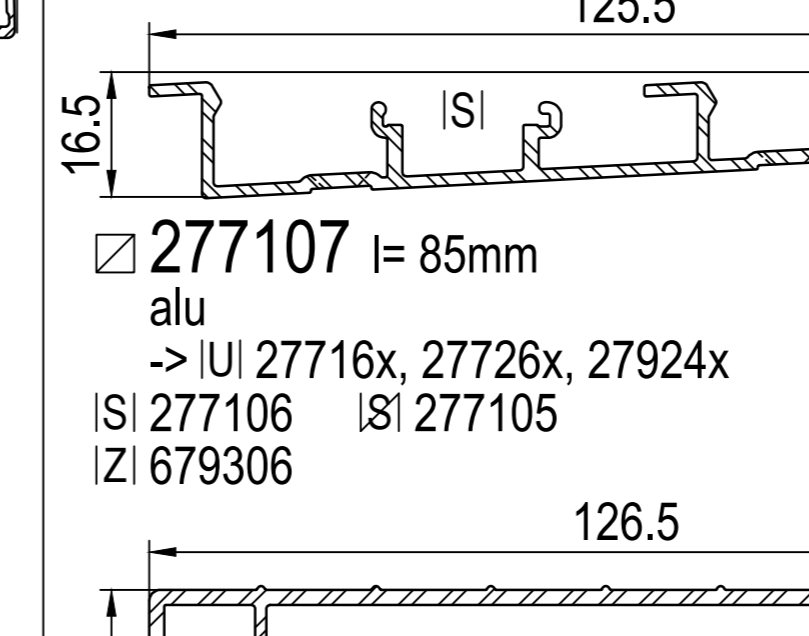
ISI ISI ISI profil aluminiowy.
27715x alu
2771500003000 l= 3.00m
2771500004500 l= 4.50m
2771500006700 l= 6.70m
-> 170080
XI 679340
ZI 6793410000098



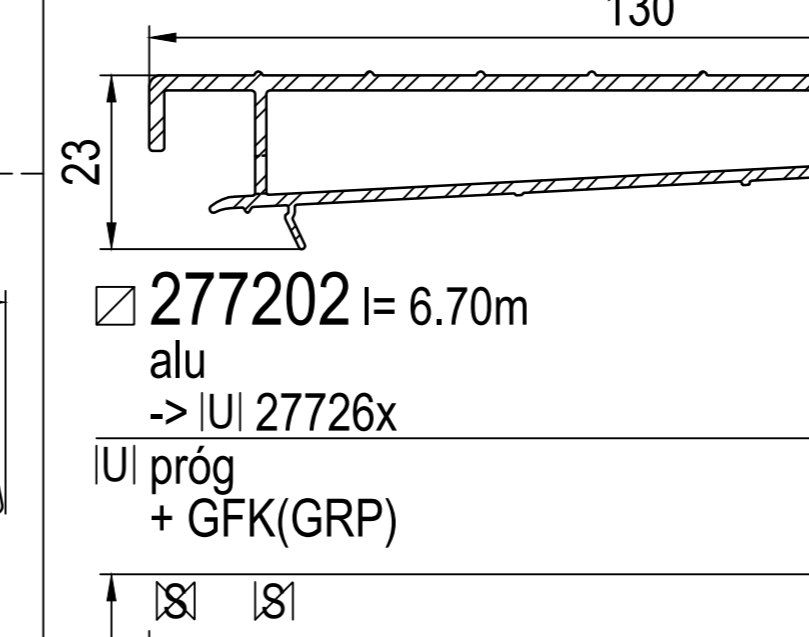
27727x alu
2772700003000 l= 3.00m
2772700004500 l= 4.50m
2772700006700 l= 6.70m
-> l= 2726x, 27924x



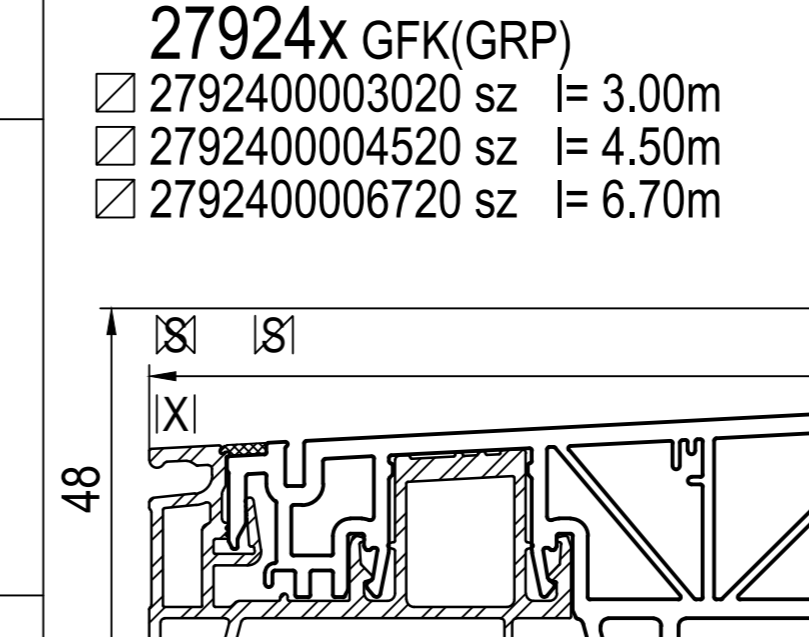
27729x alu
2772900003000 l= 3.00m
2772900004500 l= 4.50m
2772900006700 l= 6.70m
-> l= 2726x, 27924x



277105 = 6.70m alu
-> ISI 277107

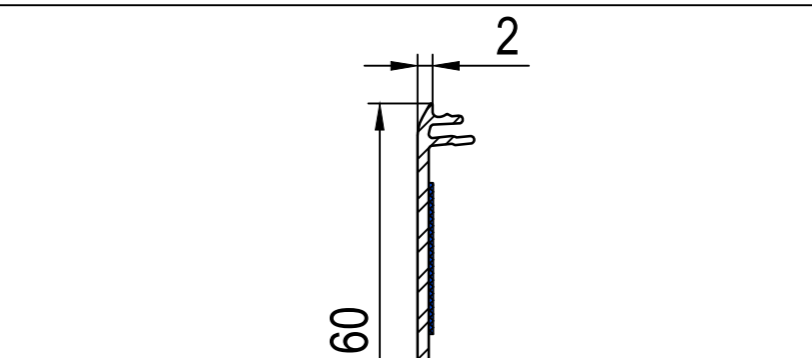


277107 = 85mm alu
-> l= 27716x, 27726x, 27924x
ISI 277106 ISI 277105
ZI 679306

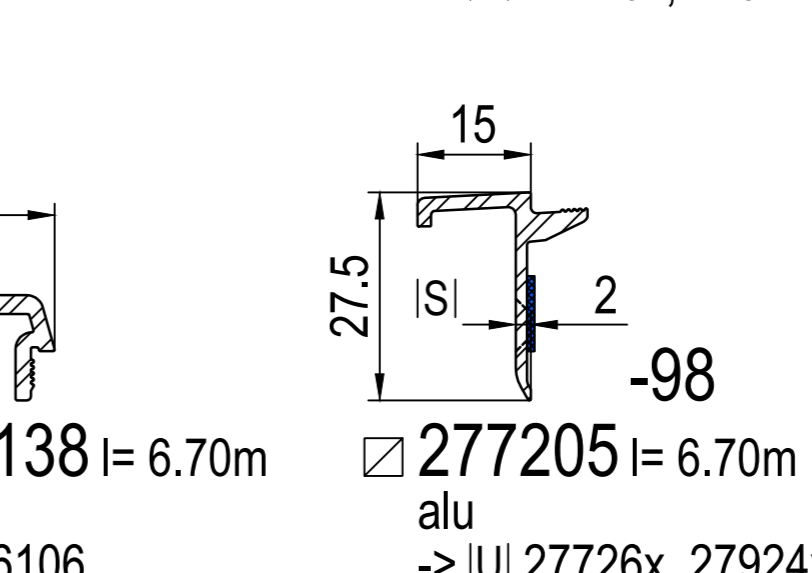


277200 = 6.70m alu
-> l= 27716x, 27924x

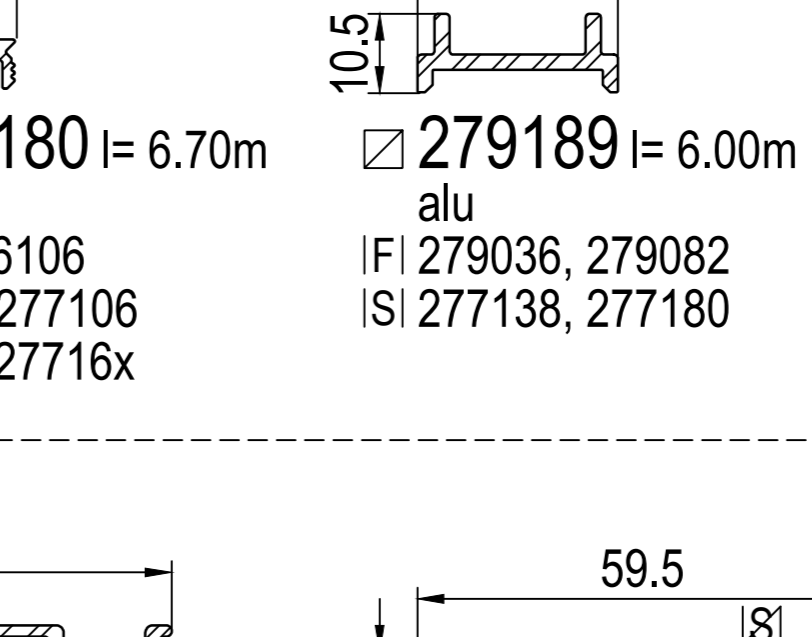
277202 = 6.70m alu
-> l= 27726x
UI próg + GFK (GRP)



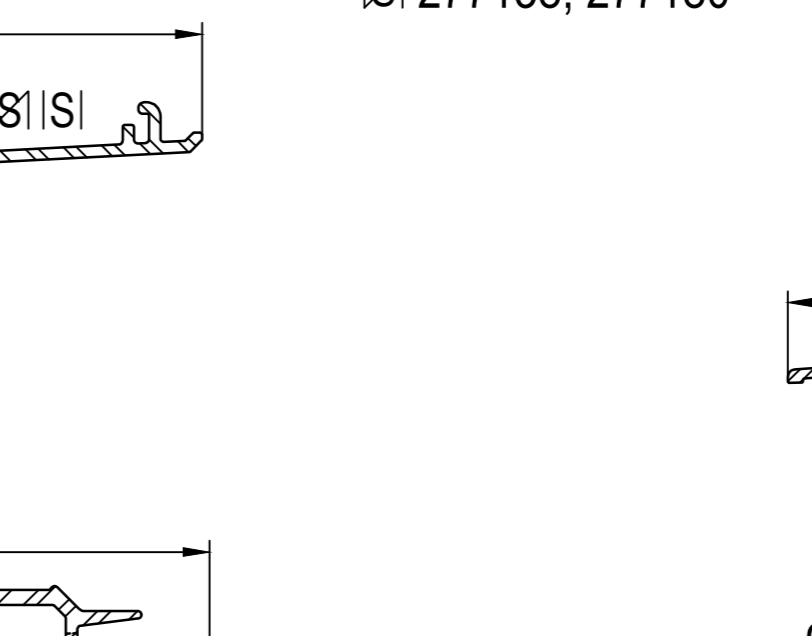
277206 = 6.70m alu
-> l= 27726x, 27924x



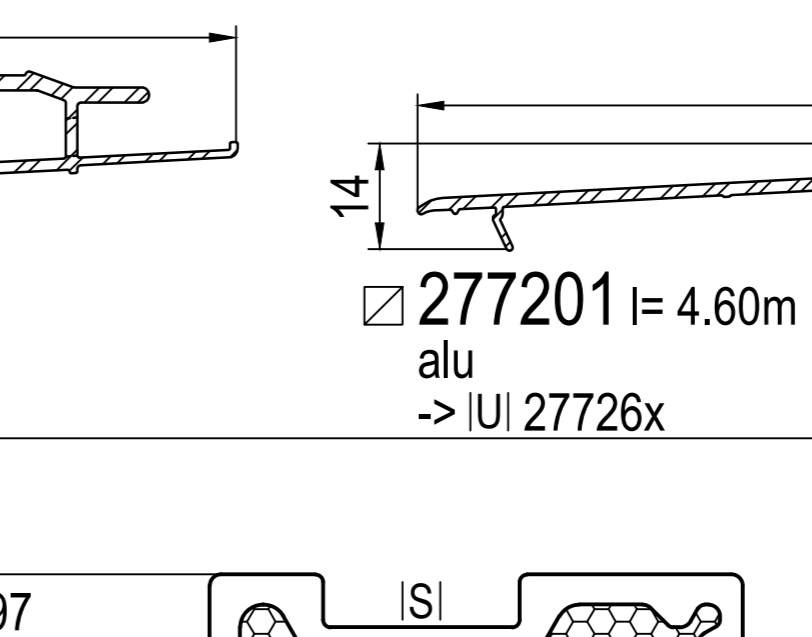
277211 = 6.70m alu
-> l= 27726x, 27924x
ISI 277207, 277208, 277209



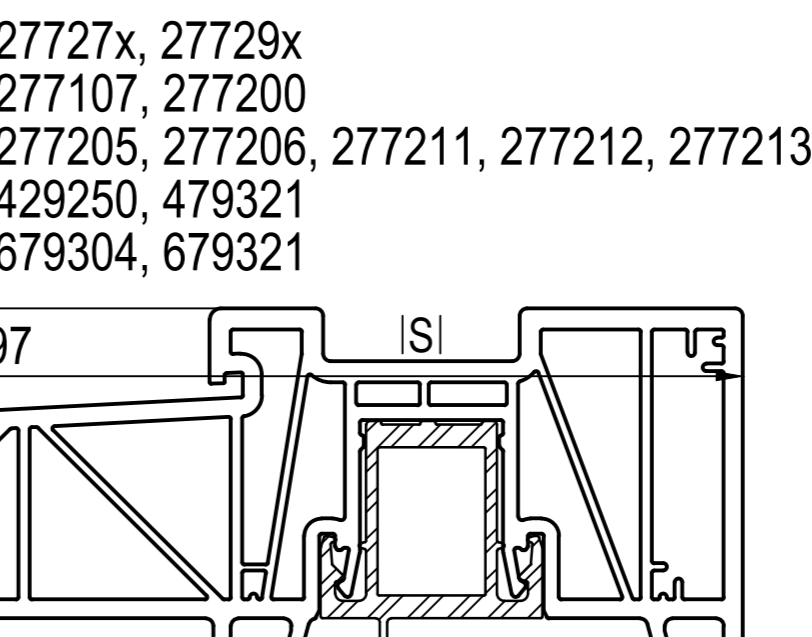
277205 = 6.70m alu
-> l= 27726x, 27924x



277212 = 6.70m alu
-> l= 27726x, 27924x
ISI 277207, 277208, 277209



277213 = 6.70m alu
-> l= 27726x, 27924x
ISI 277207, 277208, 277209

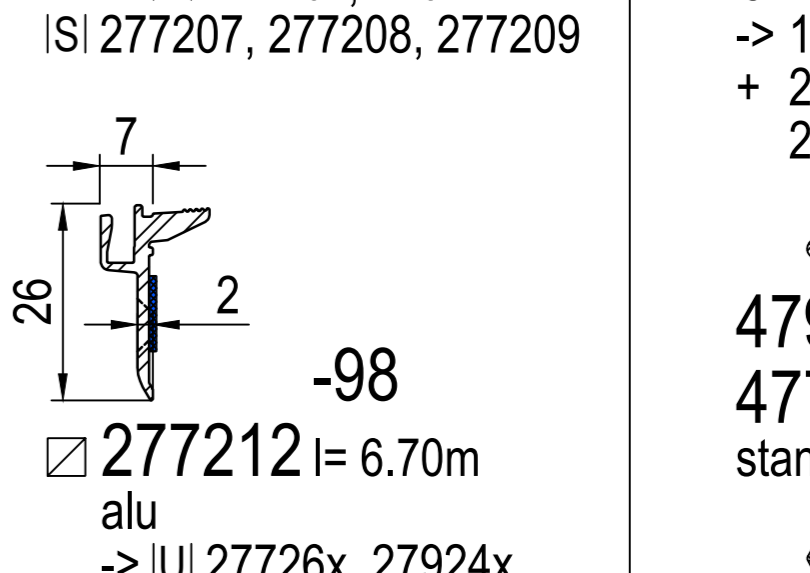


277106 = 6.70m alu
-> ISI 277107
ISI 277138, 277180

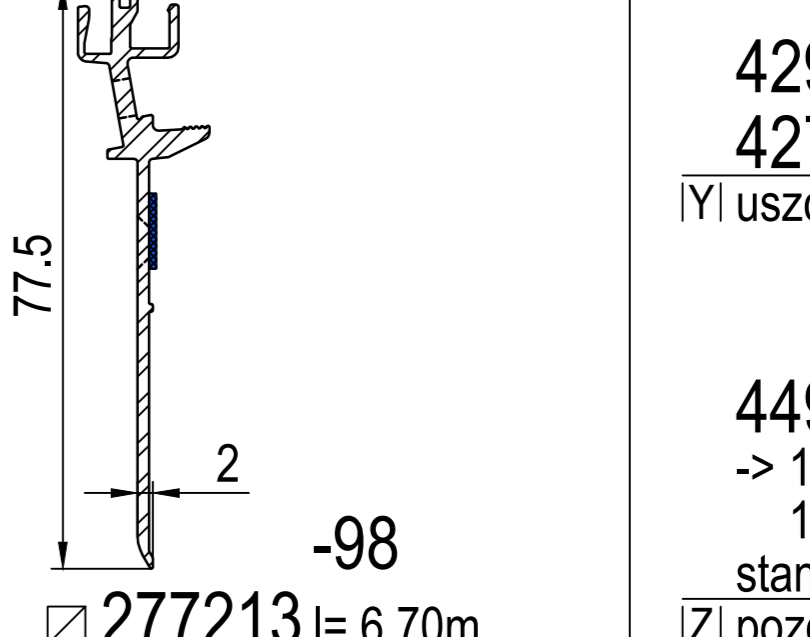
277207 = 6.70m alu
-> ISI 277211, 277212, 277213



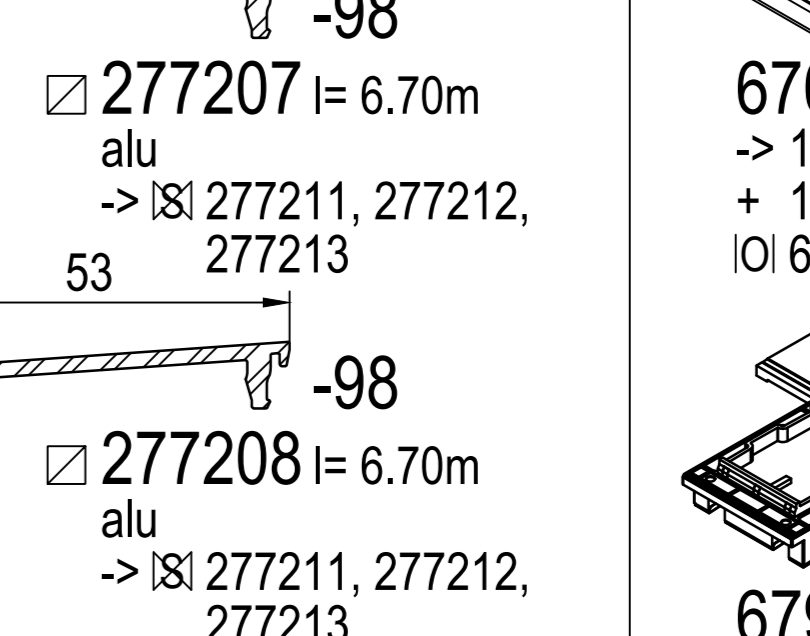
277213 = 6.70m alu
-> l= 27726x, 27924x
ISI 277207, 277208, 277209



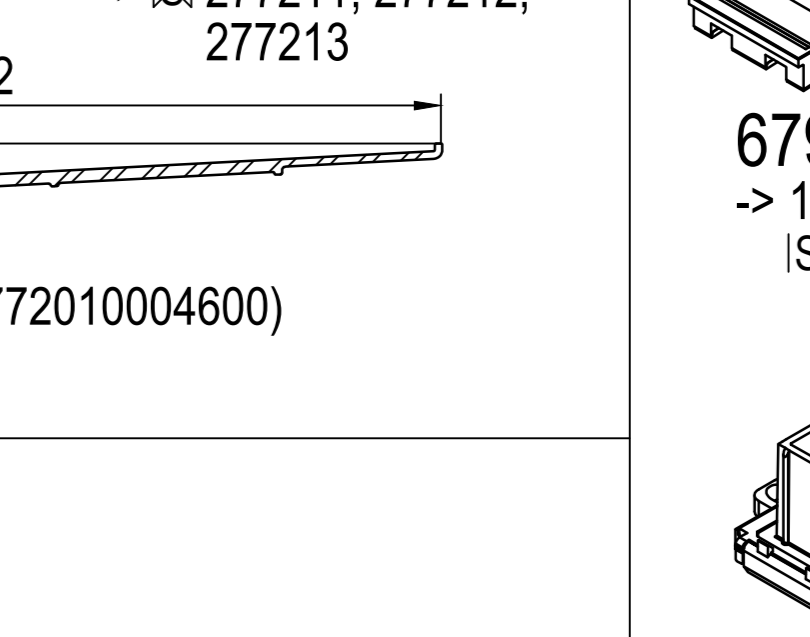
277207 = 6.70m alu
-> ISI 277211, 277212, 277213



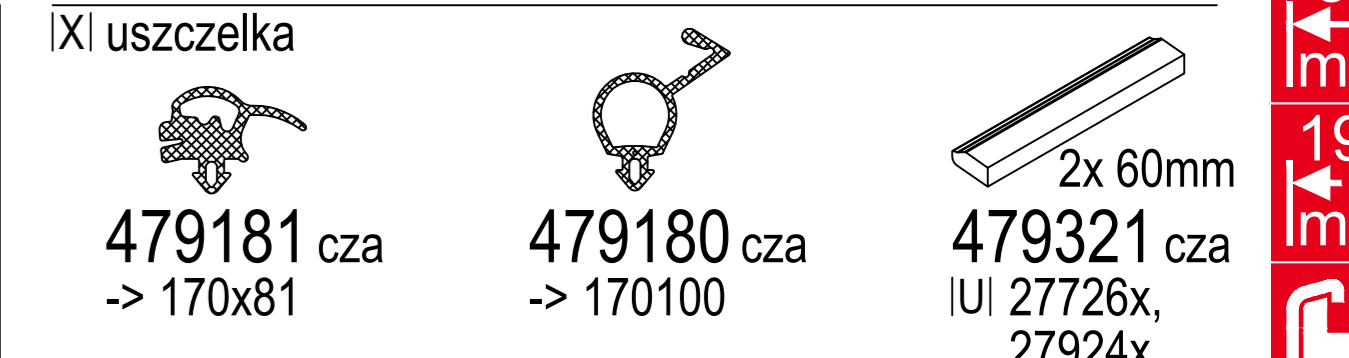
277208 = 6.70m alu
-> ISI 277211, 277212, 277213



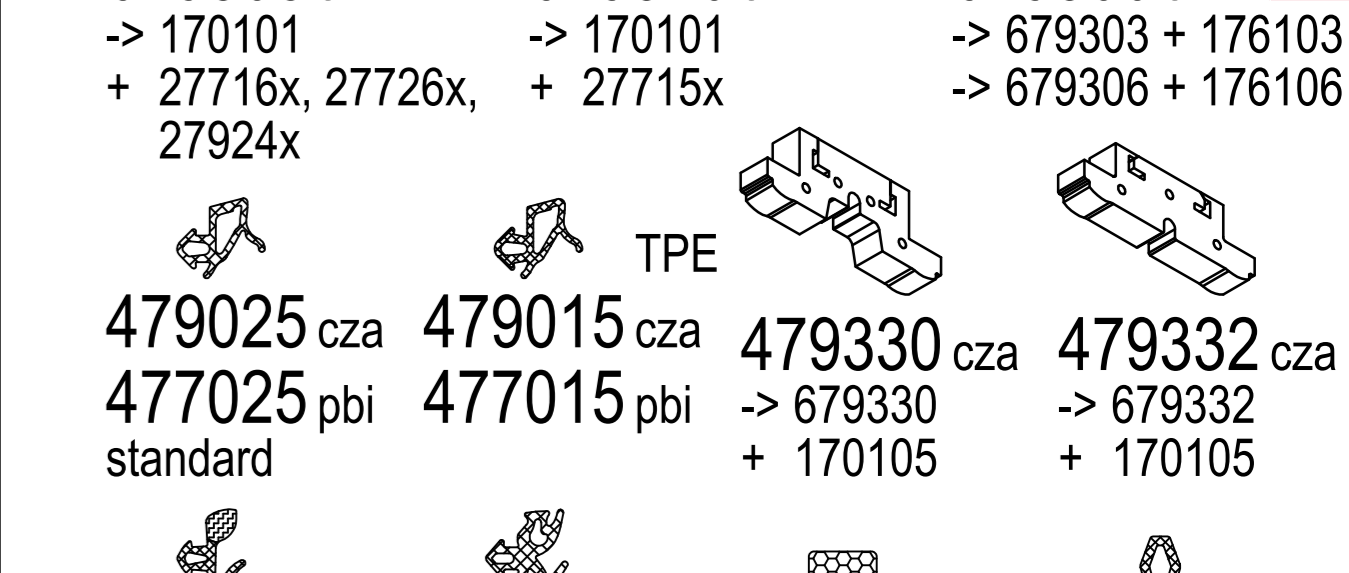
277209 = 6.70m alu
-> ISI 277211, 277212, 277213



277201 = 4.60m (2772010004600) alu
-> l= 27726x



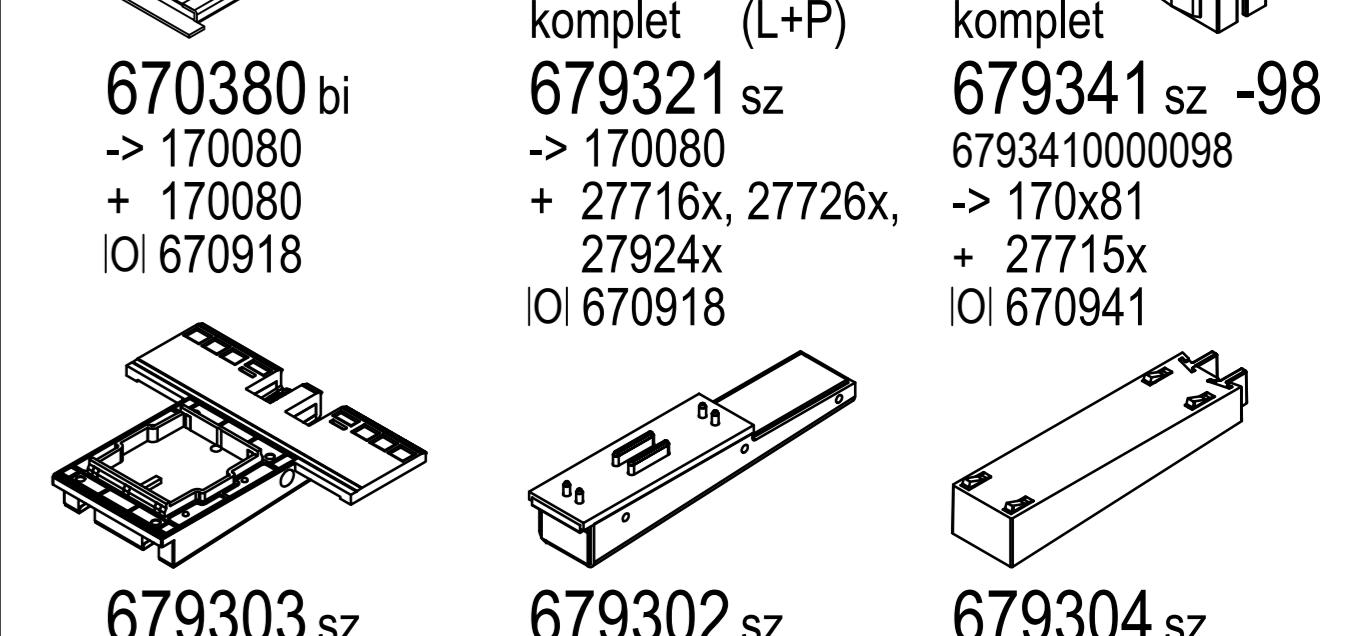
479181 cza -> 170x81
479180 cza -> 170100
479321 cza l= 27726x, 27924x



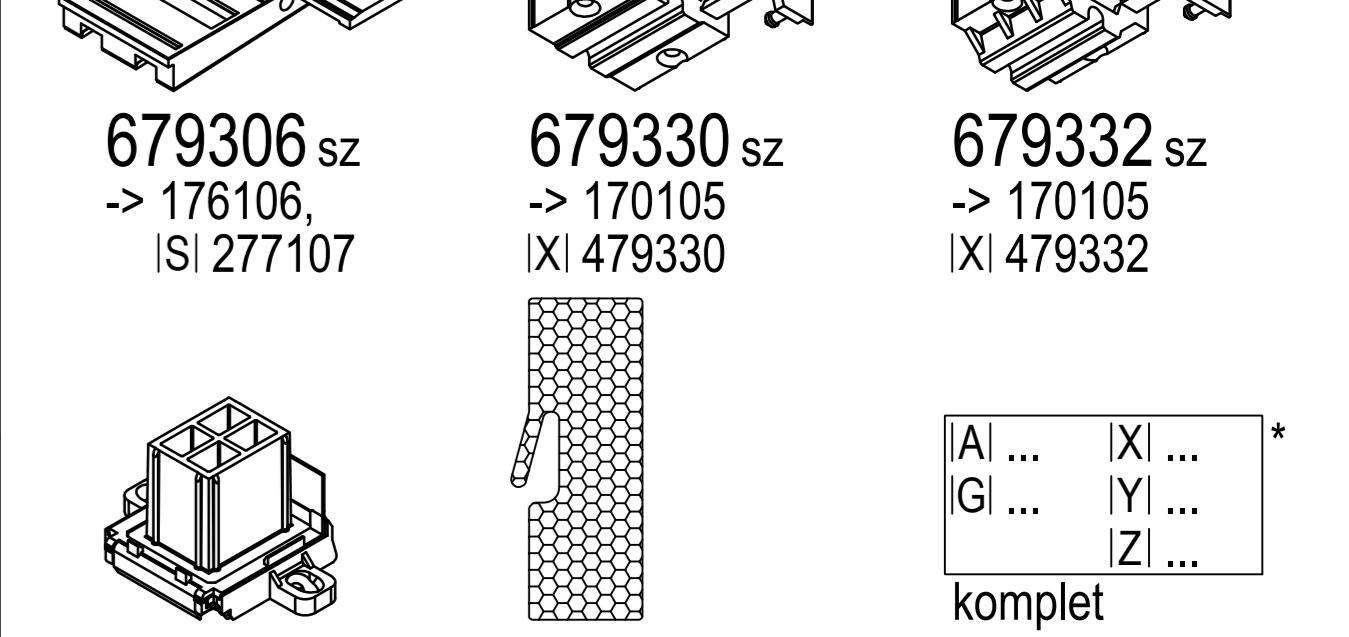
679305 sz -> 170101 + 27716x, 27726x, 27924x
679340 sz -> 170101 + 27715x
679300 sz -> 679303 + 176103 -> 679306 + 176106



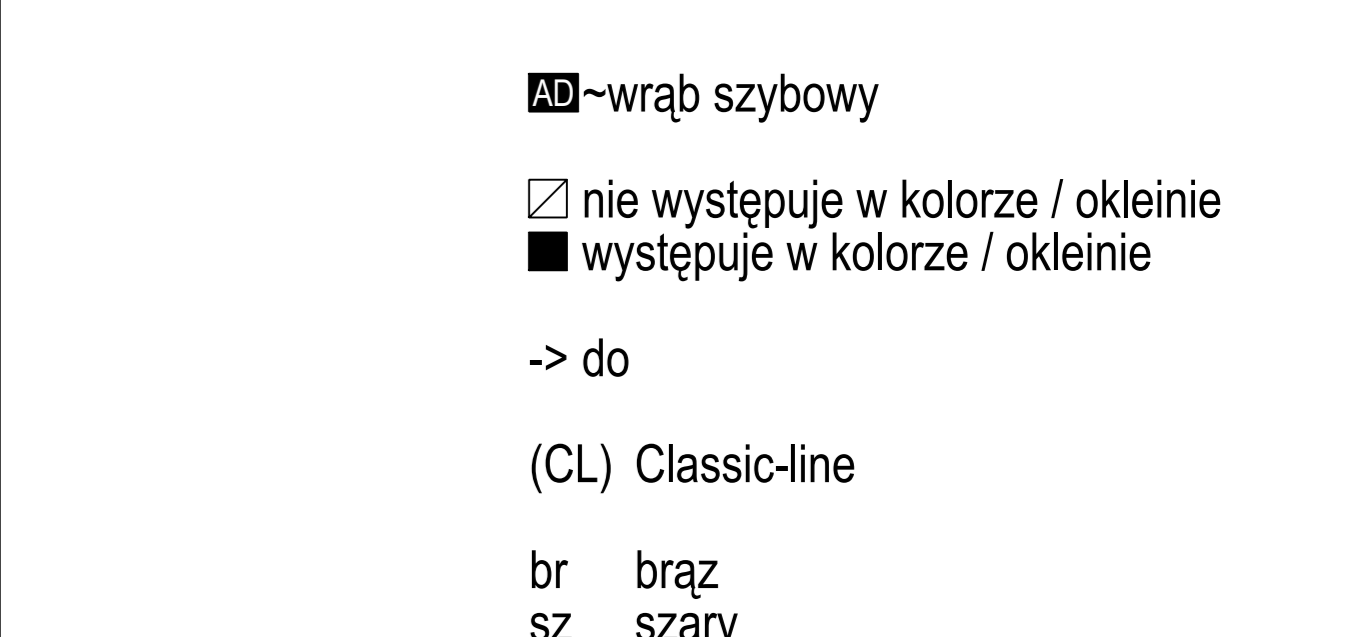
479025 cza standard
479015 cza
479330 cza + 170105
479332 cza + 170105



459922 cza standard
459925 pbi
429330 cza + 170105
420250 bi
421250 br
423250 oc
429250 cza -> 176106 l= 27726x, 27924x

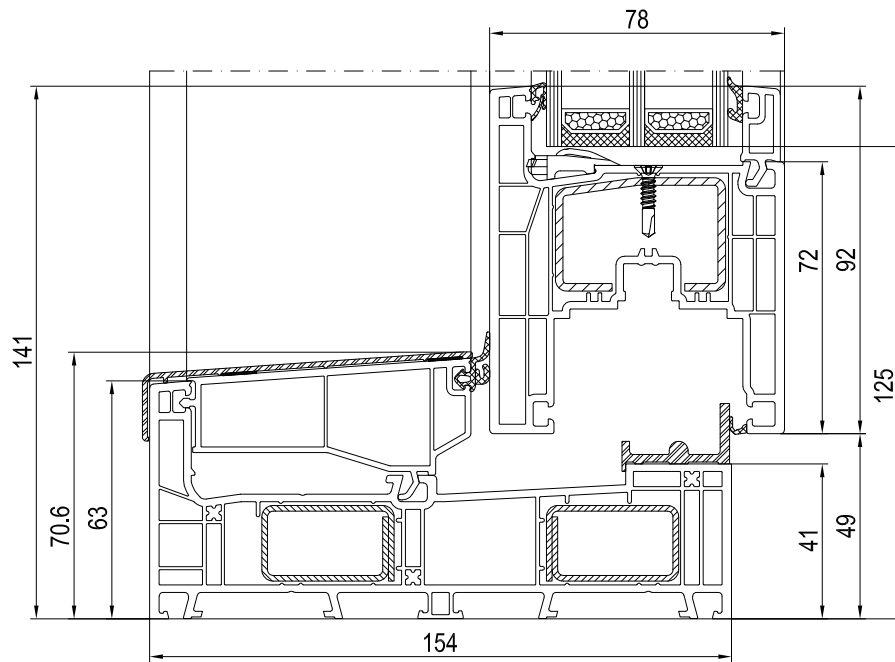
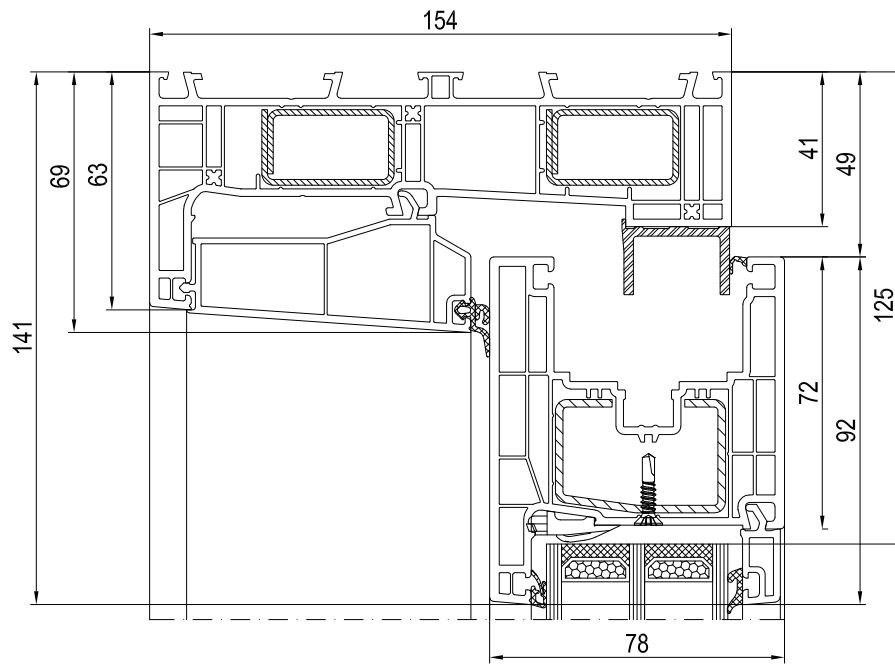


429334 cza
427334 pbi
YI uszczelka szczotkowa



449901 sz standard
459933 cza -> 170100, 170104
-> l= 279383

ZI pozostałe dodatki
670380 bi -> 170080 + 170080
679303 sz -> 170x81 + 176103
679302 sz -> 170102 + 176103
679304 sz -> 170104 + 27716x, 27726x, 27924x
679306 sz -> 176106, ISI 277107
679330 sz -> 170105, XI 479330
679332 sz -> 170105, XI 479332
670382 bi -> 170x81 + 170082
670290 -15x42.5x1000mm -> 170x81 + FI 229114, 229115
679390 -98 dodatki -> schemat A * patrz cennik

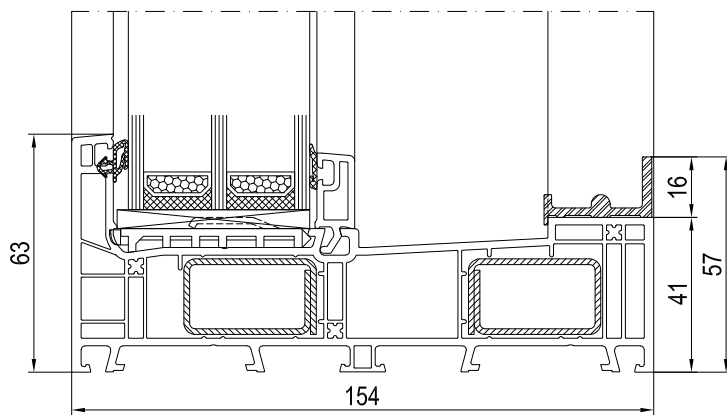
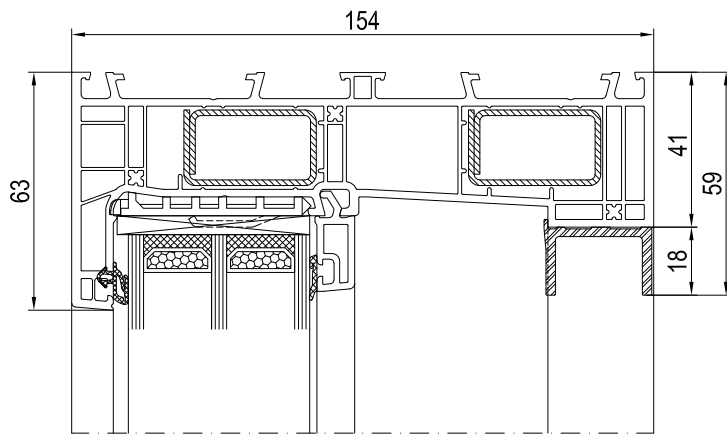


frame profile 154mm: 160x91
 sash profile 78mm: 160x94
 glazing bead: 150832



SMART-SLIDE NEO

sliding sash



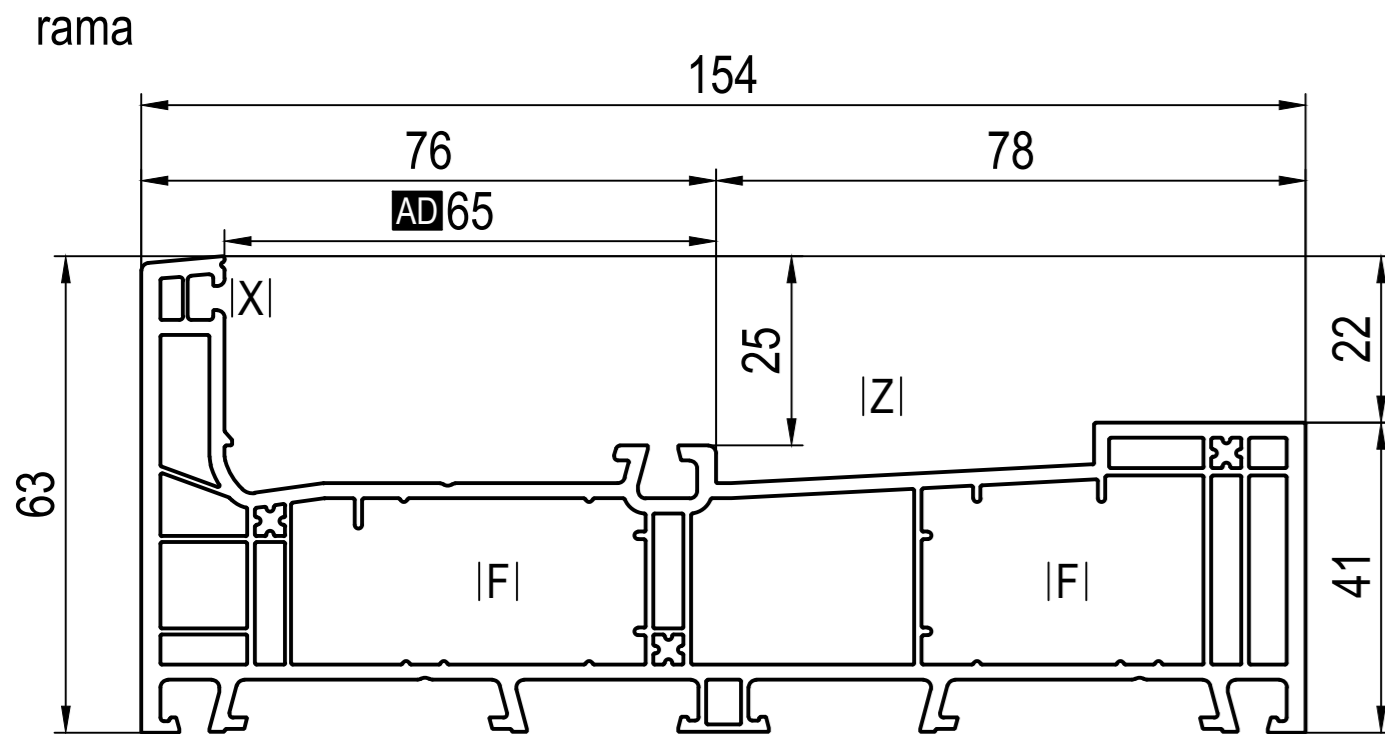
frame profile 154mm: 160x91
 sash profile 78mm: 160x94
 glazing bead: 150632



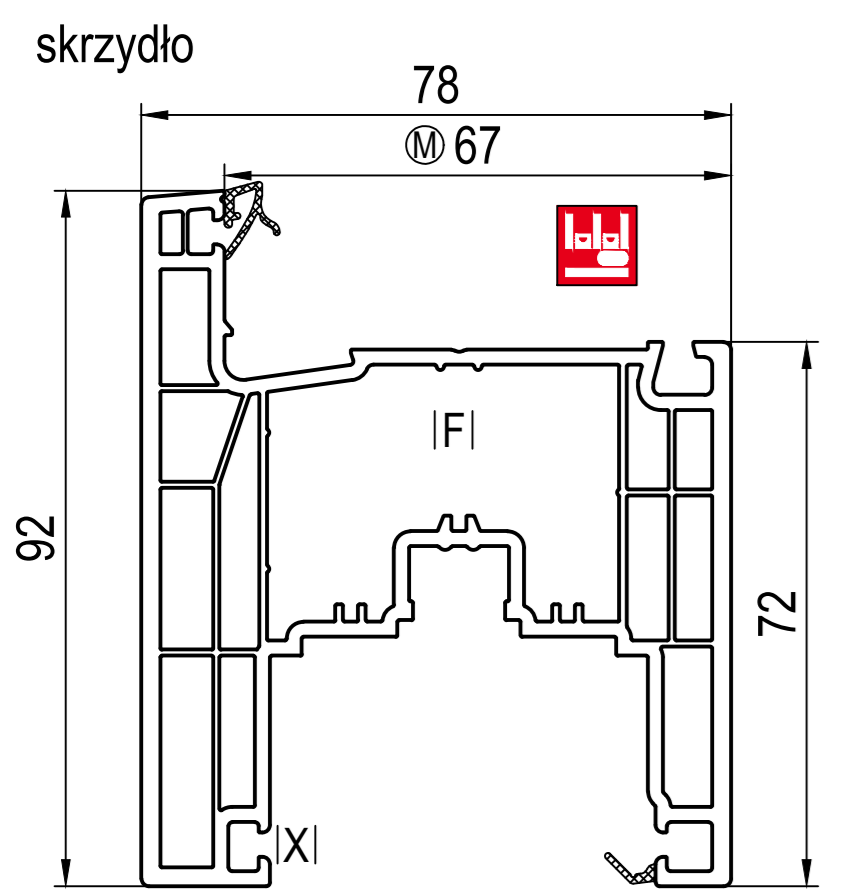
SMART-SLIDE NEO

fixed sash

neo smart-slide

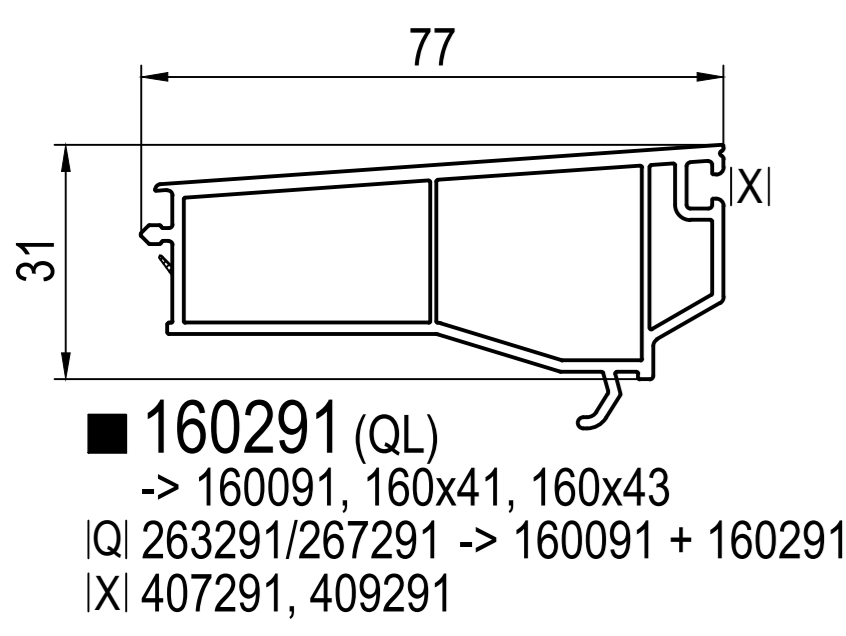


- 160091 (QL)
IA 660301, 669302
FI 229098, 229100, 229101
OI 660991
IQ 263291/267291 -> 160091 + 160291
IX 477025, 479025, 477015, 479015
IZ 469293, 660191
-> Hautau, Maco
ISi 263273/267273, 263275/267275, 263276/267276
-> G-U, Roto, Winkhaus
ISi 263293/267293
ISi 263295/267295, 263296/267296 + IZI 466295
-> Siegenia
ISi 263287/267287

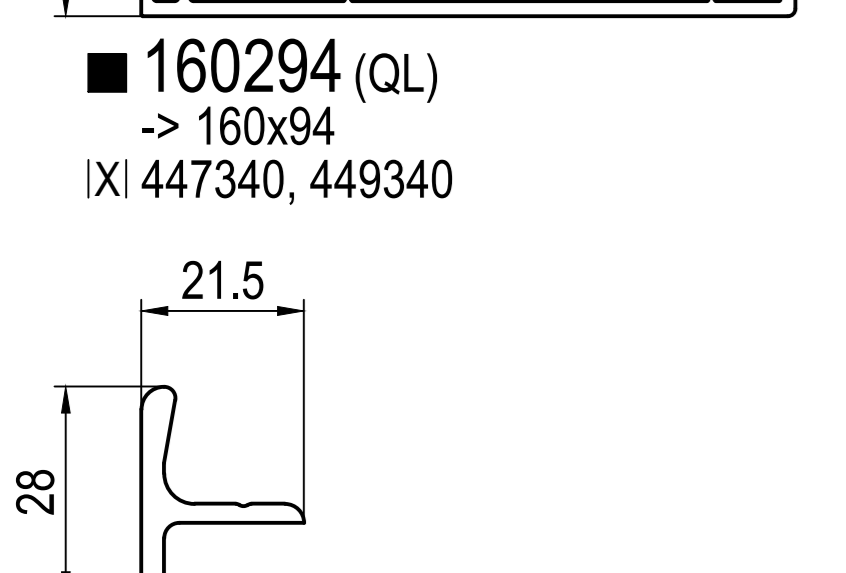


- 160x94 (QL)
IA 680252, 685251, 680250, 655251, 650252, 625253, 620250, 650250
FI 269294
IJ 642261, 642262, 642263, 646265, 646266
IX 409284, 467290/469290
-> Hautau, Maco
ISi 267270
-> G-U, Roto, Winkhaus
ISi 267290, 267292, 267297

Profile dodatkowe



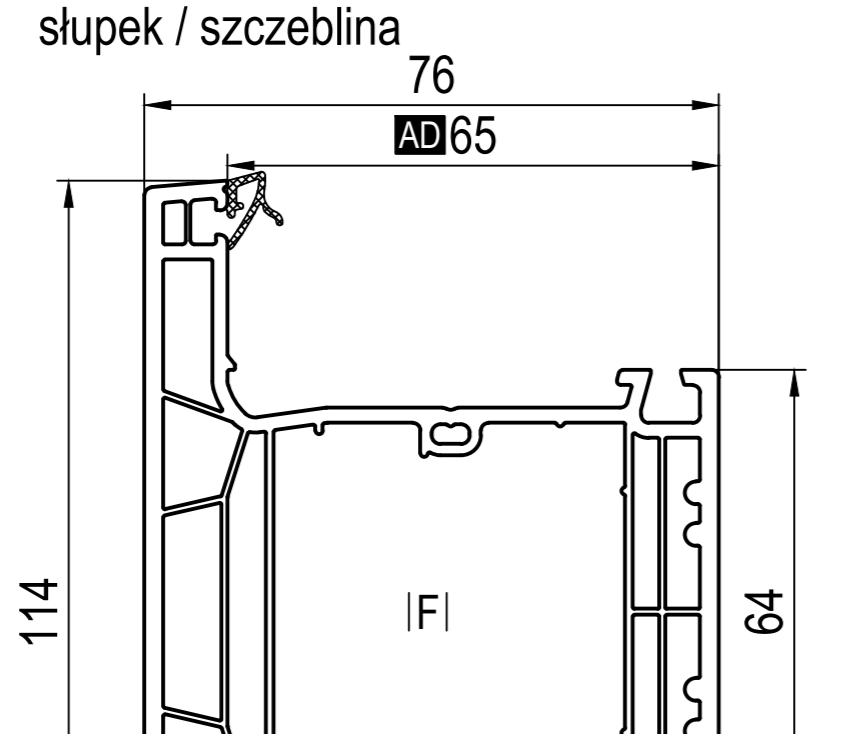
- 160291 (QL)
-> 160091, 160x41, 160x43
IQ 263291/267291 -> 160091 + 160291
IX 407291, 409291



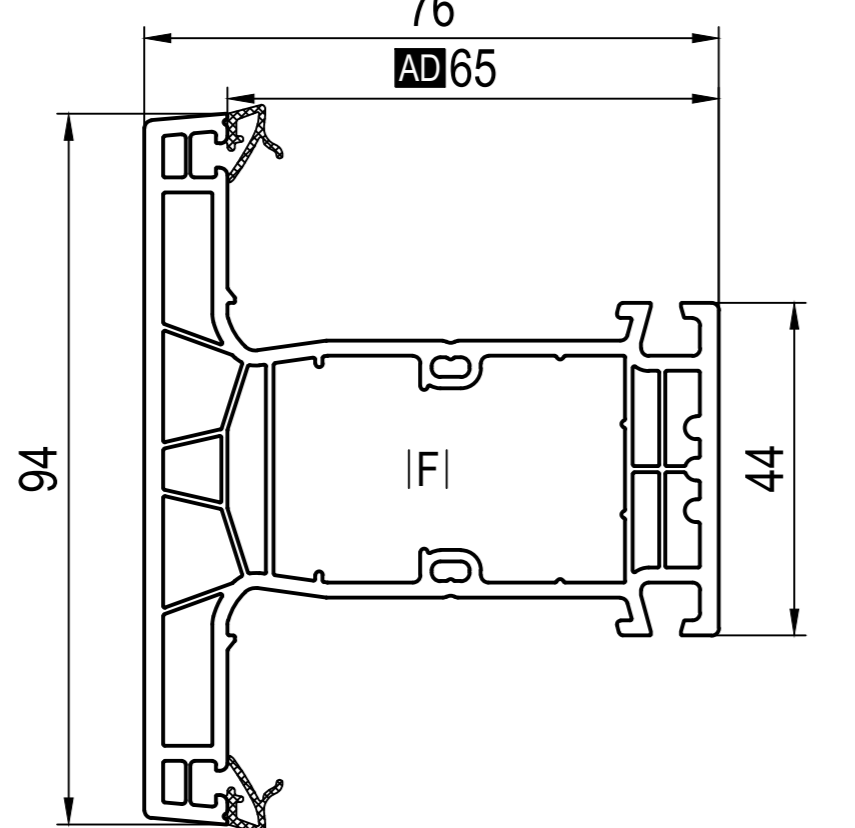
- 160294 (QL)
-> 160x94
IX 447340, 449340



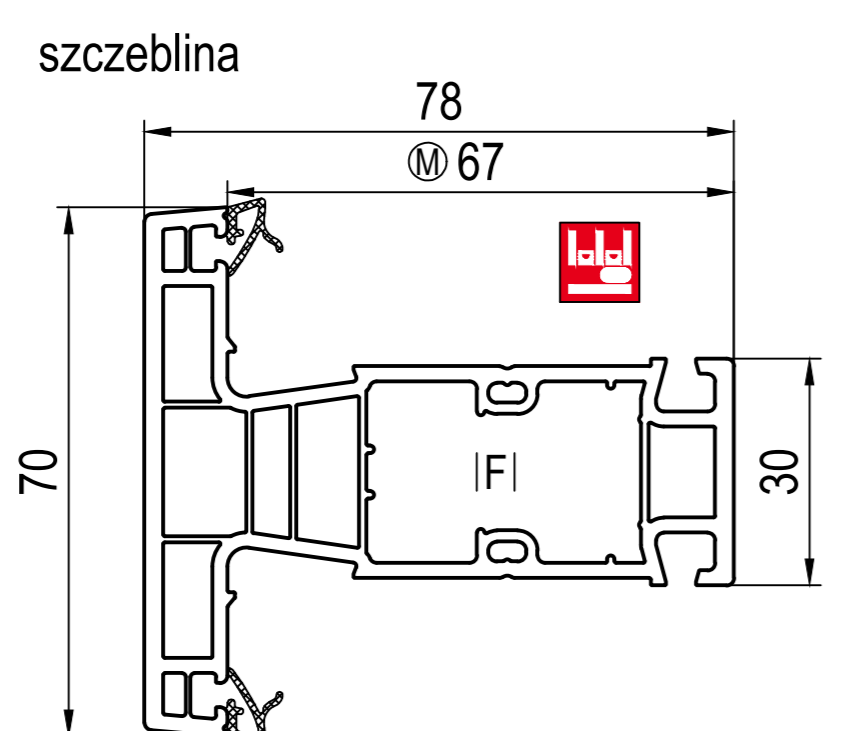
- 190231
-> 160x94 + IX 409284



- 160x43 (QL)
IA 660301, 669302
DI 667043, 667143 -> AD 65
OI 660950
DI 667096 -> 67
IX 457922, 459922
DI 640046 -> uniwersalny
FI 269043, 269046



- 160x41 (QL)
IA 660301, 669302
DI 667041, 667141 -> AD 65
OI 660950
DI 667095 -> 67
IX 457922, 459922
DI 640046 -> uniwersalny
FI 269041, 269045



- 160x48 (QL)
IA 680252, 685251, 680250, 655251, 650252, 625253, 620250, 650250
DI 667048 -> 67
FI 249046
IJ 642261, 642262, 642263, 646265, 646266

dotatki

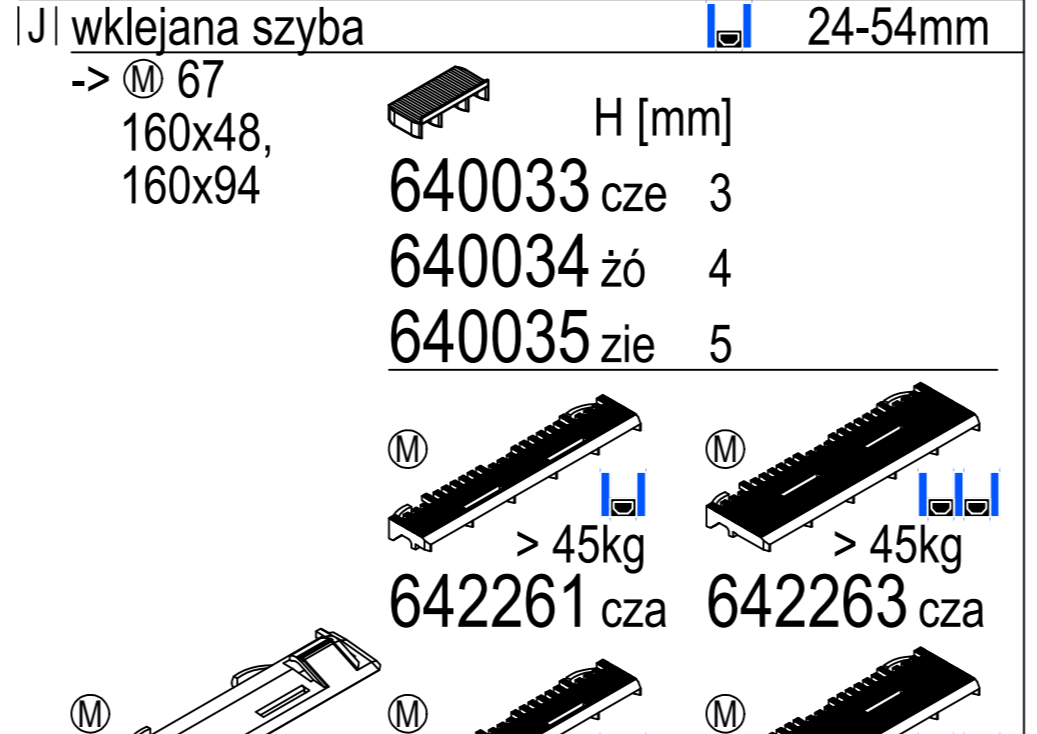
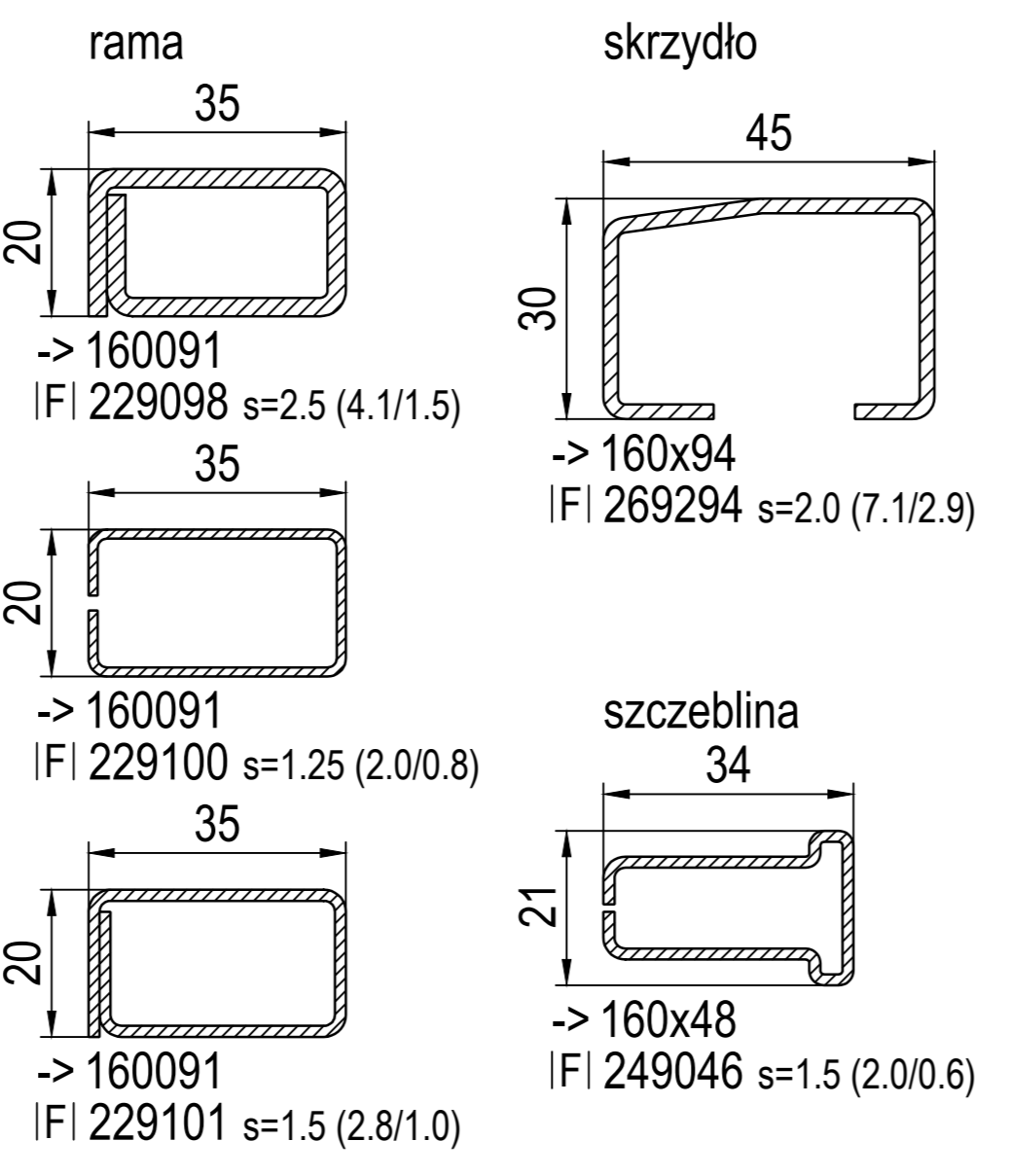
- IAI podkładka do szklenia
-> AD 65
160x41, 160x43, 160091
8-52mm 8-48mm
0mm 2mm
660301 cze 669302 nie
-> 67
160x48, 160x94
10-20mm 10-35mm
1mm 1mm
620250 cze 650252 cze
40-75 55-75
10-54mm 10-44mm 10-50mm
5 6 4 4 4
-1mm 1mm 1mm
650250 cze 680250 cze 680252 cze
31-75 63-75 67-75
10-30mm 10-38mm 10-48mm
0 0 0
5mm 5mm 5mm
625253 zie 655251 zie 685251 zie
47-75 55-75 63-75

- DI łącznik bez kolnierzy P-plastik
słupek -> 160x41
-> AD 65
160x41, 160x43, 160091
DI - DI -
667141 667041
OI 660950 OI 660950
-> 160x43
DI - DI -
667143 667043
OI 660950 OI 660950
-> 160x48
szczelina -> 67
160x48, 160x94
DI - DI -
667048 667048
OI - OI -
-> 160x41 AD -> 160x43 AD
+ IX + IX
IX 457922, 459922
DI - DI -
667095 667096
OI - OI -
uniwersalny
-> słupek
45x20x 1000mm
DI 640046 P
1x -> 160x41
2x -> 160x43

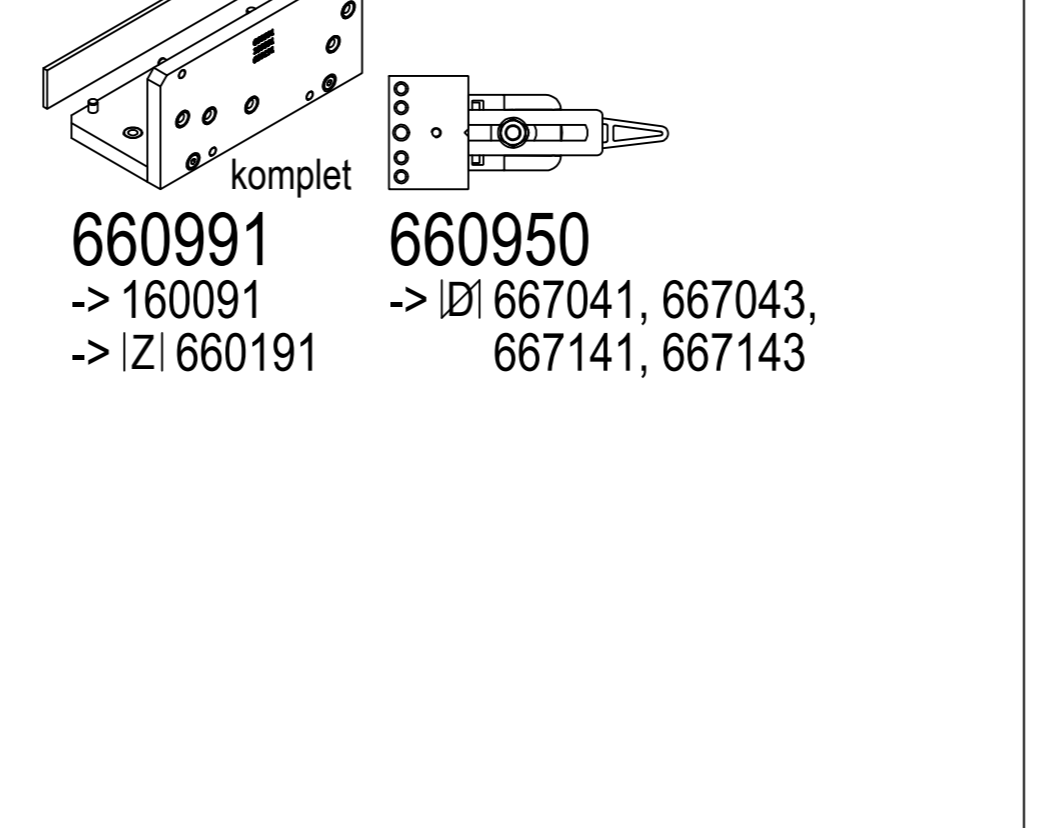
- IZI wklejana szyba 24-54mm
-> 67
160x48, 160x94
H [mm]
640033 cze 3
640034 zó 4
640035 zie 5
-> > 45kg > 45kg
642261 cza 642263 cza
3.5mm < 45kg < 45kg
642262 cza 646265 sz 646266 sz
komplet
600290
Ø5x35
OI środki pomocnicze
komplet
660991 660950
-> 160091 -> DI 667041, 667043, 667141, 667143
-> IZI 660191

- IXI uszczelka (...) uszczelka naprawcza
409291 cza 409284 cza 469290 cza TPE
407291 pbi - 160x94 467290 pbi
-> 160291 -> 160x94 -> 160x94
479025 cza 479015 cza 459922 cza TPE
477025 pbi 477015 pbi 457922 pbi
standard -> 160091 -> 160091 -> szczelina
-> 160091 (160x41, 160x43, 160x41, 160x43, 160x48, 160x94)
449340 cza 449042 cza 449343 cza TPE
447340 pbi 447042 pbi 447343 pbi
standard -> 160294 -> 160294 -> 160294
-> 160294 (160x94) (160x94) (160x94)
420250 bi
421250 br
423250 oc
429250 cza
IZI pozostałe dodatki

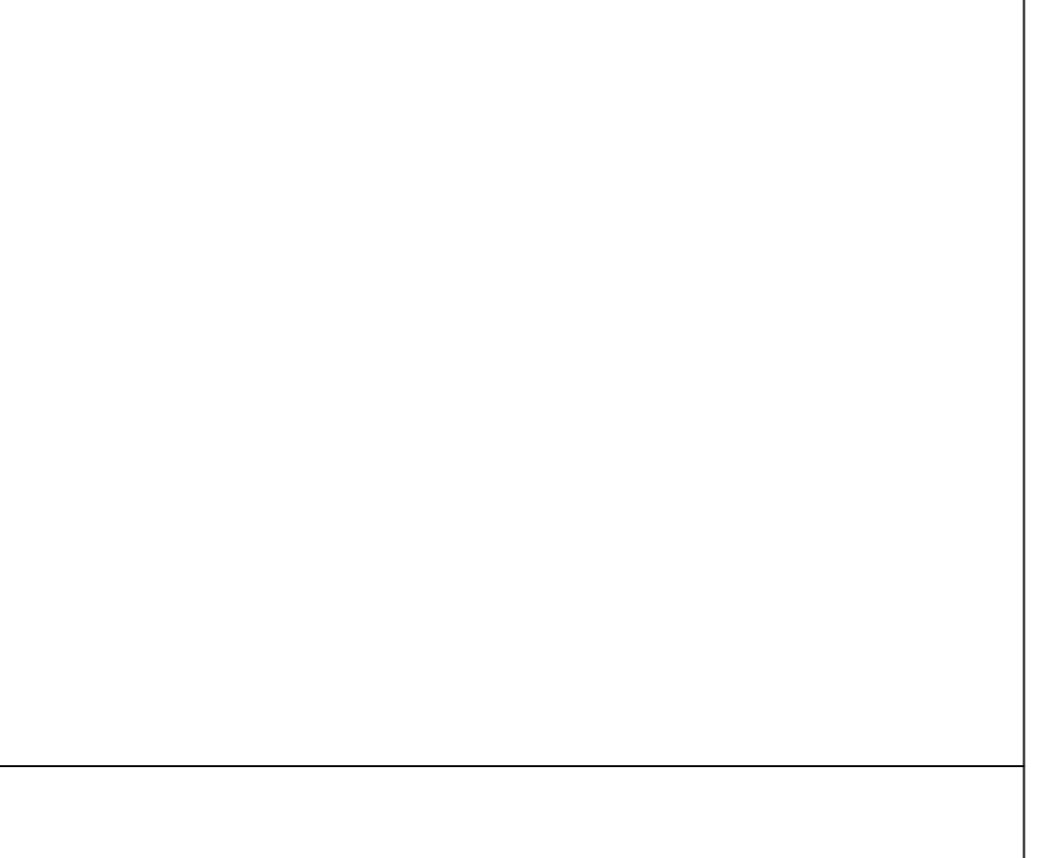
- IZI pozostałe dodatki
-> G-U, Roto, Winkhaus
469295 cza 466295 sz -> 160091



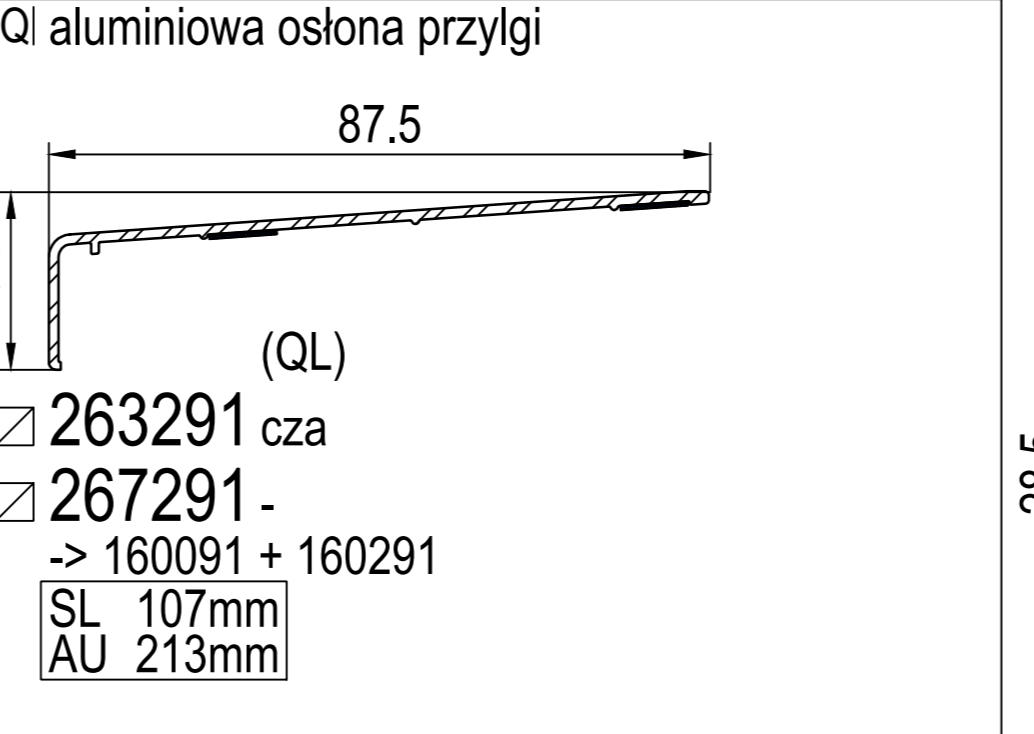
- ISi profil aluminiowy 30
55
203298 cza 207298 -
SL 43mm AU 170mm



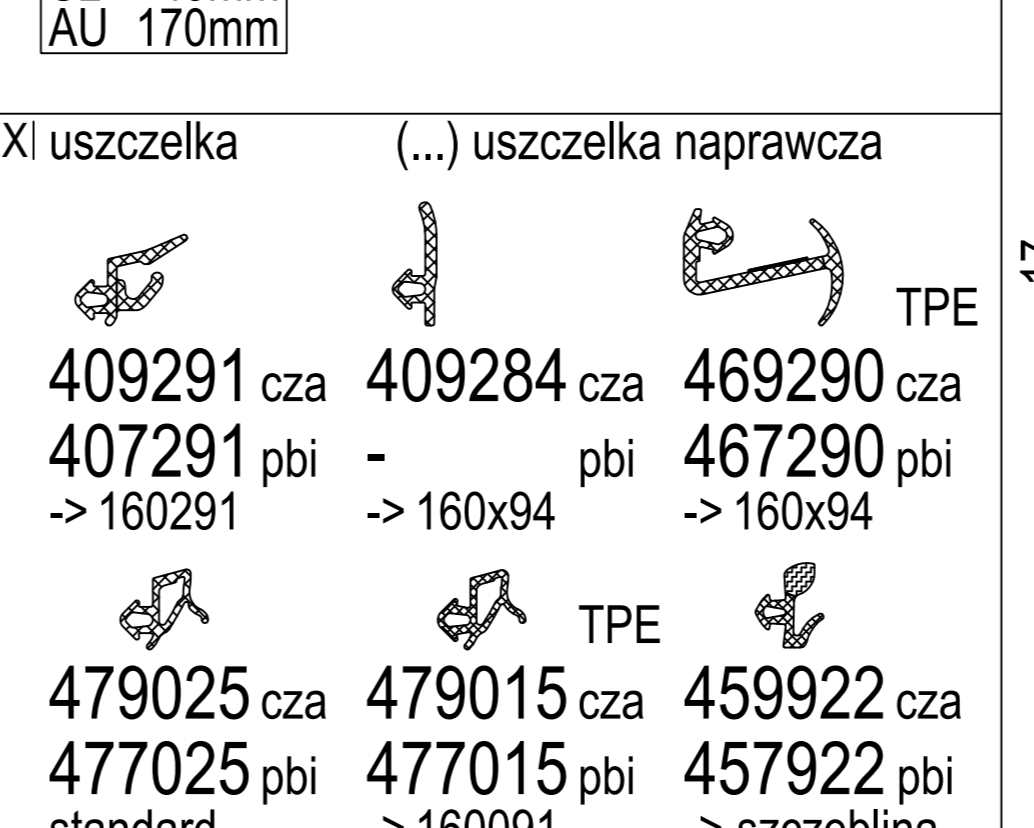
- IXI uszczelka (...) uszczelka naprawcza
409291 cza 409284 cza 469290 cza TPE
407291 pbi - 160x94 467290 pbi
-> 160291 -> 160x94 -> 160x94
479025 cza 479015 cza 459922 cza TPE
477025 pbi 477015 pbi 457922 pbi
standard -> 160091 -> 160091 -> szczelina
-> 160091 (160x41, 160x43, 160x41, 160x43, 160x48, 160x94)
449340 cza 449042 cza 449343 cza TPE
447340 pbi 447042 pbi 447343 pbi
standard -> 160294 -> 160294 -> 160294
-> 160294 (160x94) (160x94) (160x94)
420250 bi
421250 br
423250 oc
429250 cza
IZI pozostałe dodatki



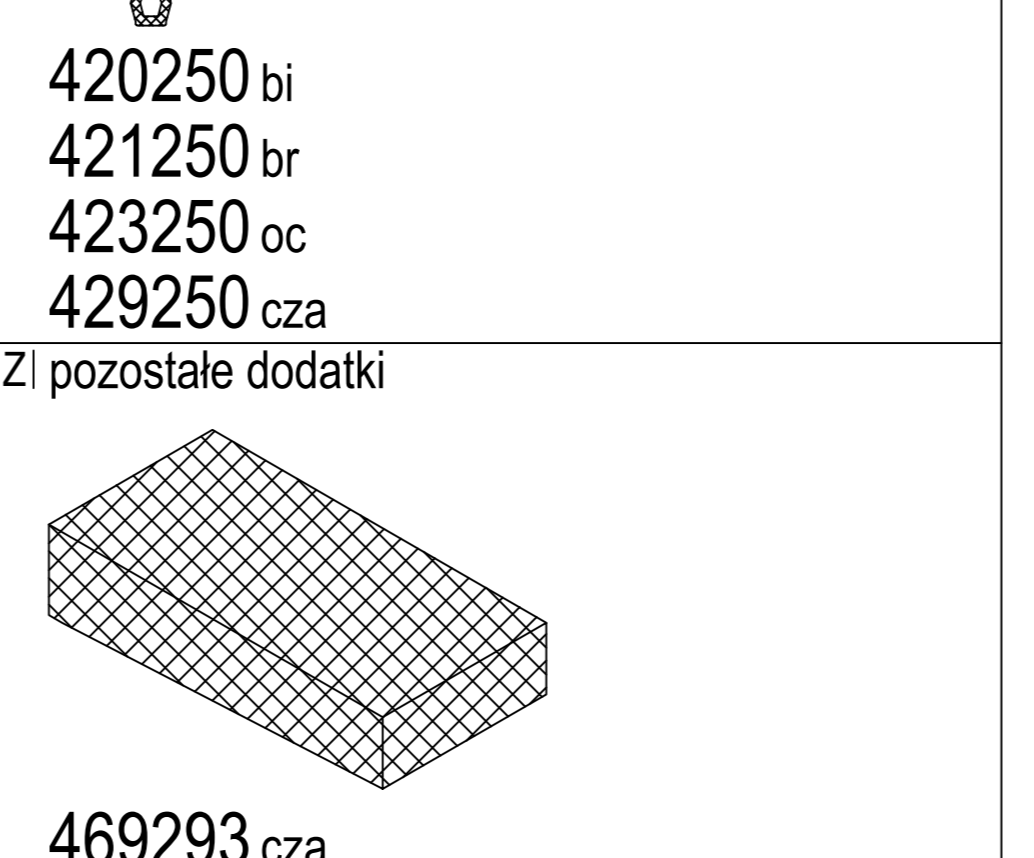
- IZI pozostałe dodatki
-> G-U, Roto, Winkhaus
469293 cza -> 160091



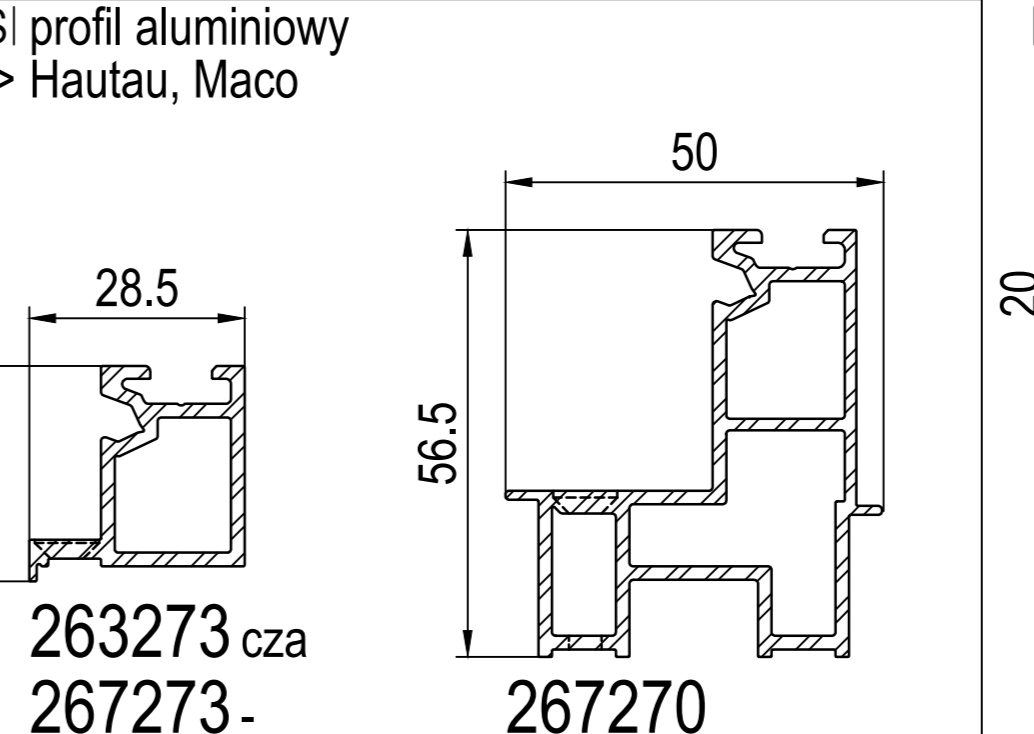
- ISi profil aluminiowy 30
55
203298 cza 207298 -
SL 43mm AU 170mm



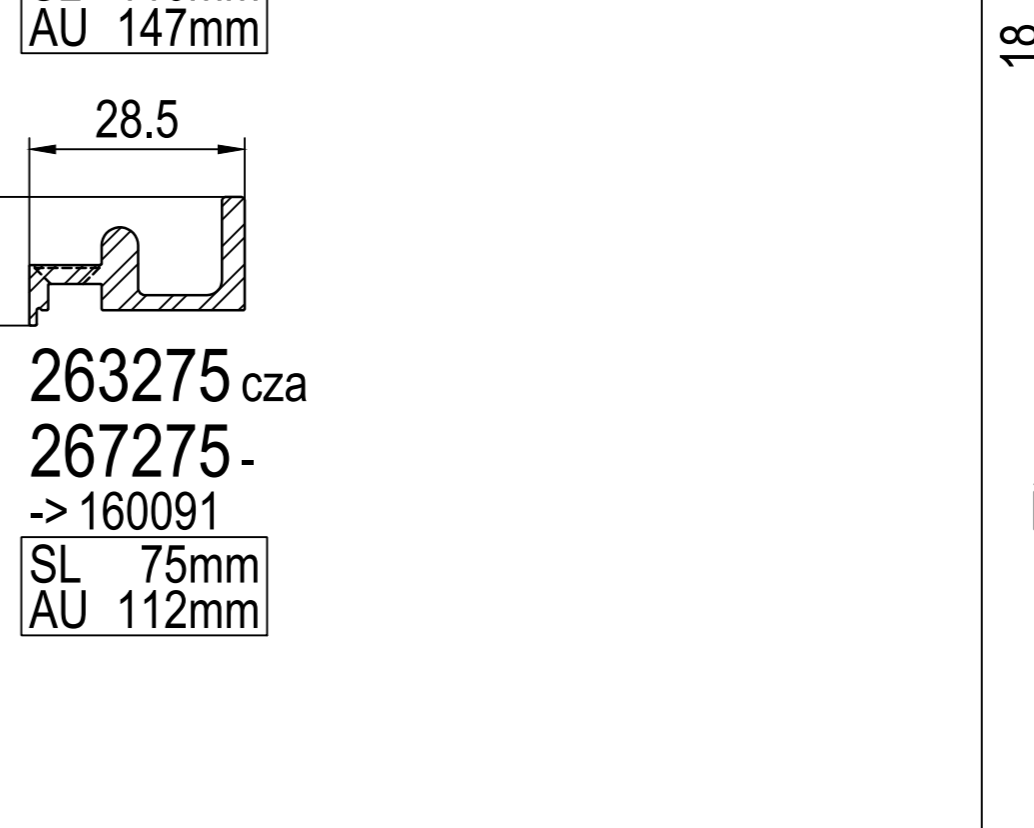
- IXI uszczelka (...) uszczelka naprawcza
409291 cza 409284 cza 469290 cza TPE
407291 pbi - 160x94 467290 pbi
-> 160291 -> 160x94 -> 160x94
479025 cza 479015 cza 459922 cza TPE
477025 pbi 477015 pbi 457922 pbi
standard -> 160091 -> 160091 -> szczelina
-> 160091 (160x41, 160x43, 160x41, 160x43, 160x48, 160x94)
449340 cza 449042 cza 449343 cza TPE
447340 pbi 447042 pbi 447343 pbi
standard -> 160294 -> 160294 -> 160294
-> 160294 (160x94) (160x94) (160x94)
420250 bi
421250 br
423250 oc
429250 cza
IZI pozostałe dodatki



- IZI pozostałe dodatki
-> G-U, Roto, Winkhaus
469293 cza -> 160091



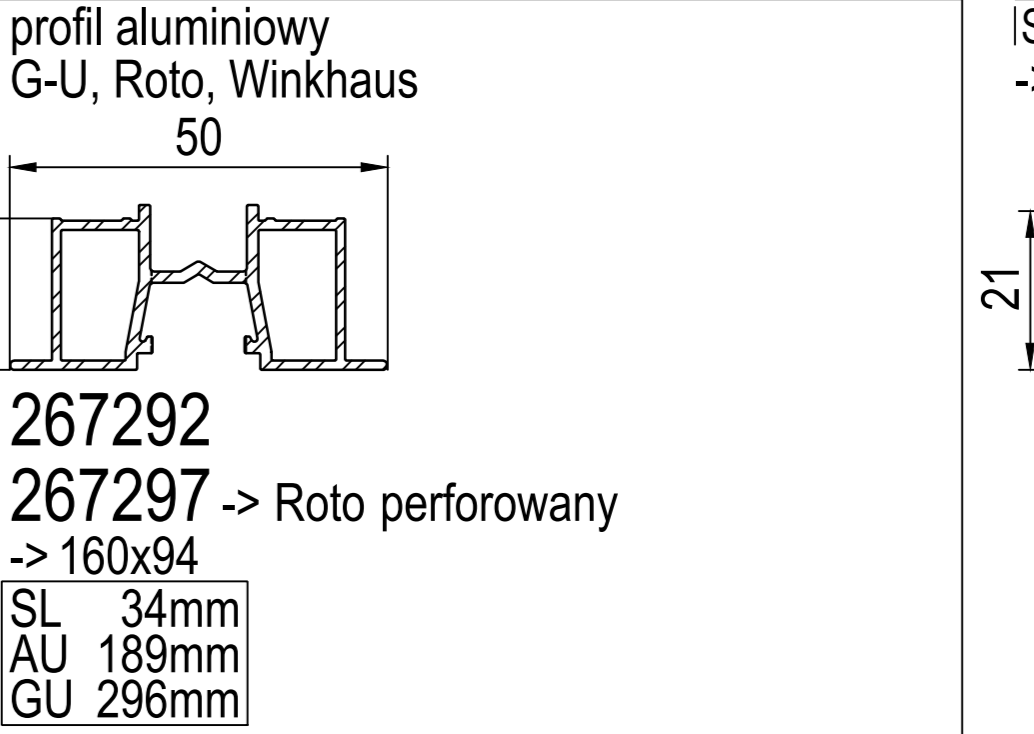
- Hautau, Maco
ISi profil aluminiowy
-> Hautau, Maco
28.5
263273 cza 267273 -
-> 160091
SL 112mm AU 143mm GU 287mm
28.5
263276 cza 267276 -
-> 160091
SL 116mm AU 147mm
28.5
263275 cza 267275 -
-> 160091
SL 75mm AU 112mm



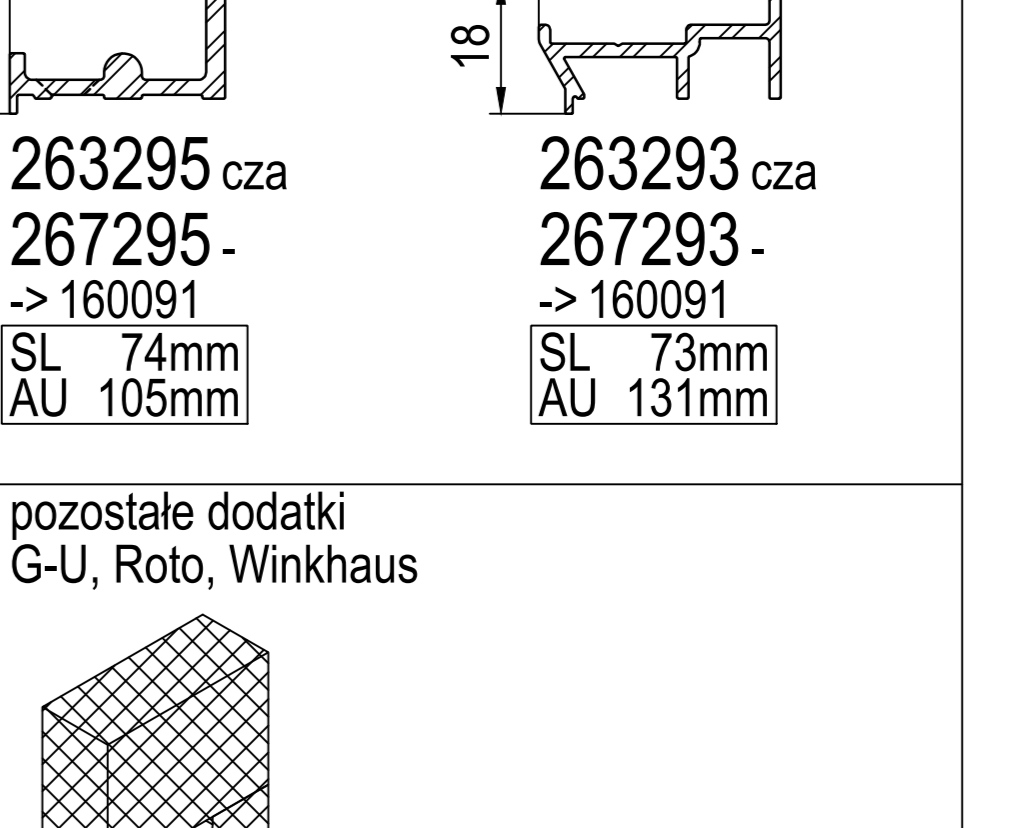
- IXI uszczelka (...) uszczelka naprawcza
409291 cza 409284 cza 469290 cza TPE
407291 pbi - 160x94 467290 pbi
-> 160291 -> 160x94 -> 160x94
479025 cza 479015 cza 459922 cza TPE
477025 pbi 477015 pbi 457922 pbi
standard -> 160091 -> 160091 -> szczelina
-> 160091 (160x41, 160x43, 160x41, 160x43, 160x48, 160x94)
449340 cza 449042 cza 449343 cza TPE
447340 pbi 447042 pbi 447343 pbi
standard -> 160294 -> 160294 -> 160294
-> 160294 (160x94) (160x94) (160x94)
420250 bi
421250 br
423250 oc
429250 cza
IZI pozostałe dodatki



- IZI pozostałe dodatki
-> G-U, Roto, Winkhaus
469293 cza -> 160091



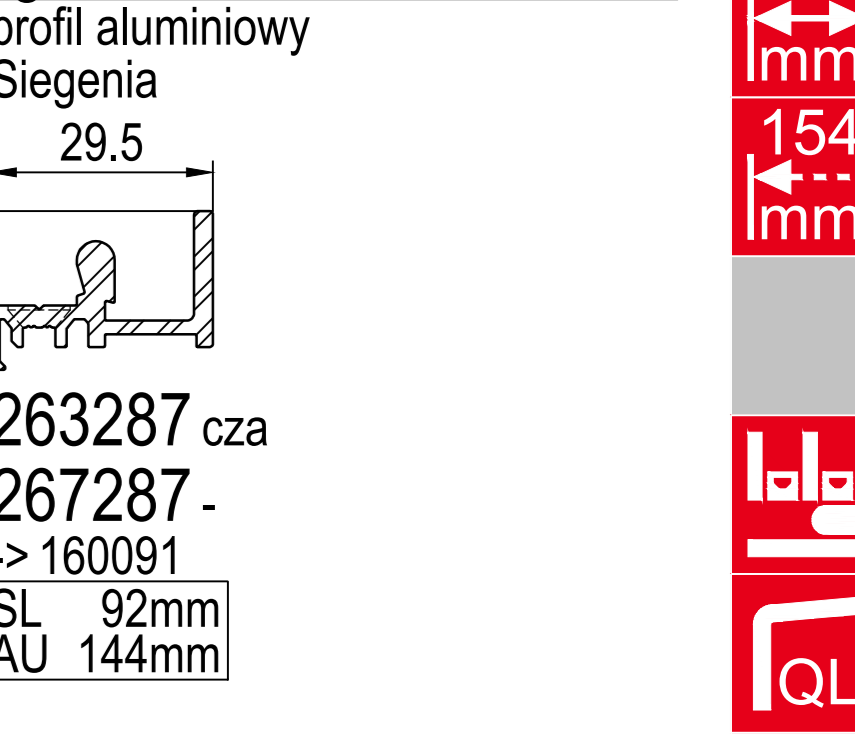
- G-U, Roto, Winkhaus
ISi profil aluminiowy
-> G-U, Roto, Winkhaus
50
267292 267297 -> Roto perforowany
-> 160x94
SL 34mm AU 189mm GU 296mm
28.5
263296 cza 267296 -
-> 160091
SL 97mm AU 128mm
28.5
263295 cza 267295 -
-> 160091
SL 74mm AU 105mm



- IXI uszczelka (...) uszczelka naprawcza
409291 cza 409284 cza 469290 cza TPE
407291 pbi - 160x94 467290 pbi
-> 160291 -> 160x94 -> 160x94
479025 cza 479015 cza 459922 cza TPE
477025 pbi 477015 pbi 457922 pbi
standard -> 160091 -> 160091 -> szczelina
-> 160091 (160x41, 160x43, 160x41, 160x43, 160x48, 160x94)
449340 cza 449042 cza 449343 cza TPE
447340 pbi 447042 pbi 447343 pbi
standard -> 160294 -> 160294 -> 160294
-> 160294 (160x94) (160x94) (160x94)
420250 bi
421250 br
423250 oc
429250 cza
IZI pozostałe dodatki



- IZI pozostałe dodatki
-> G-U, Roto, Winkhaus
469295 cza 466295 sz -> 160091



- Siegenia
ISi profil aluminiowy
-> Siegenia
29.5
263287 cza 267287 -
-> 160091
SL 92mm AU 144mm



- IXI uszczelka (...) uszczelka naprawcza
409291 cza 409284 cza 469290 cza TPE
407291 pbi - 160x94 467290 pbi
-> 160291 -> 160x94 -> 160x94
479025 cza 479015 cza 459922 cza TPE
477025 pbi 477015 pbi 457922 pbi
standard -> 160091 -> 160091 -> szczelina
-> 160091 (160x41, 160x43, 160x41, 160x43, 160x48, 160x94)
449340 cza 449042 cza 449343 cza TPE
447340 pbi 447042 pbi 447343 pbi
standard -> 160294 -> 160294 -> 160294
-> 160294 (160x94) (160x94) (160x94)
420250 bi
421250 br
423250 oc
429250 cza
IZI pozostałe dodatki

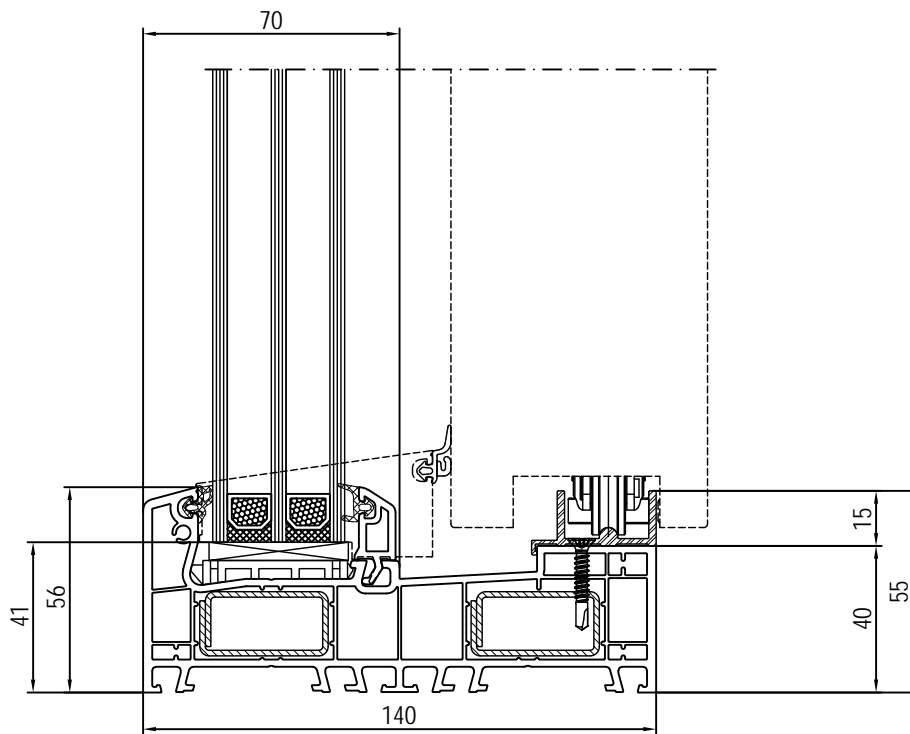
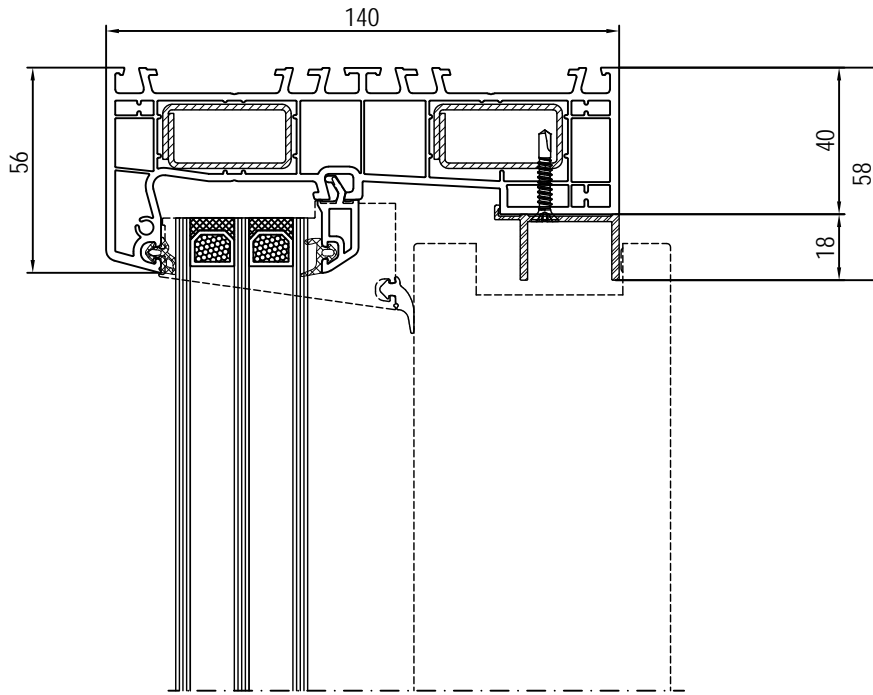


- IZI pozostałe dodatki
-> G-U, Roto, Winkhaus
469295 cza 466295 sz -> 160091



- AD - wrąb szybowy
- W - wklejana szyba opcja
- - nie występuje w kolorze / okleinie
- - występuje w kolorze / okleinie
- > do
- (QL) Qube-line
- zó żółty
- zie zielony
- sz szary
- br brąz
- oc ochra
- cze czerwony
- cza czarny
- pbi papirusowa biel
- bi biały

- SL - długość widoczna
- AU - obwód zewnętrzny
- GU - obwód całkowity

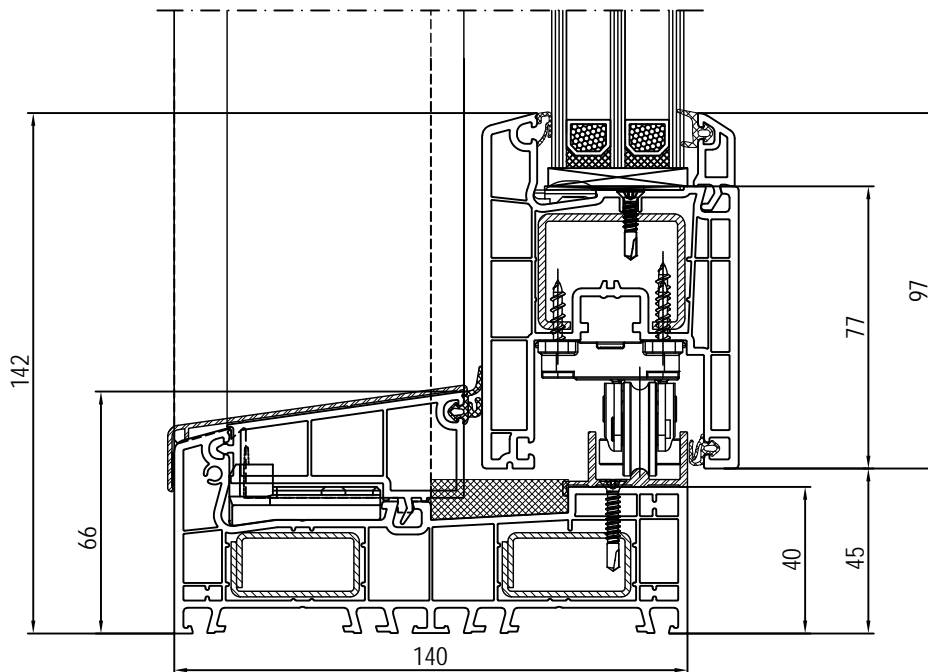
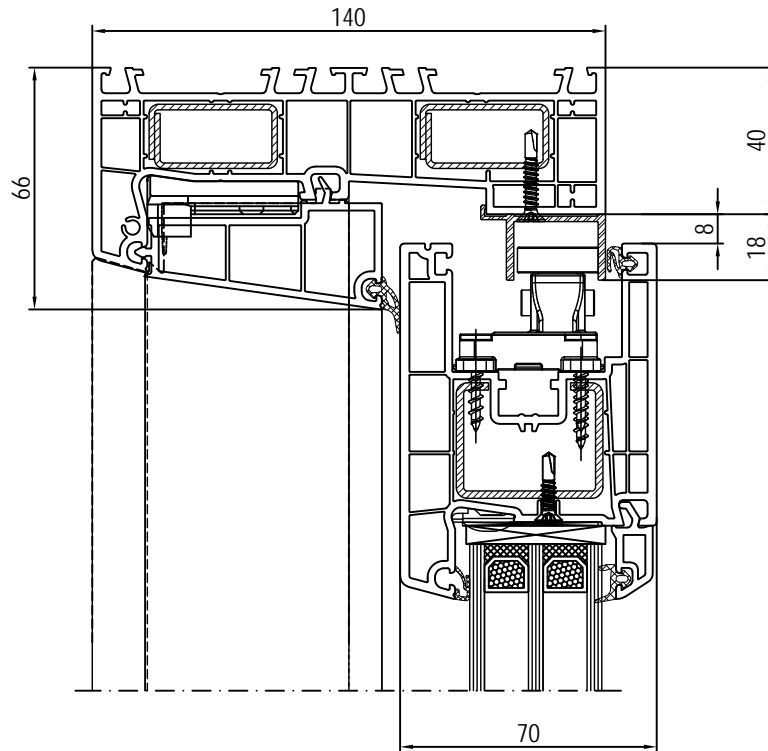


frame profile 140mm: 100x91
 sash profile 70mm: 100x94
 glazing bead: 120832



SMART-SLIDE

fixed sash

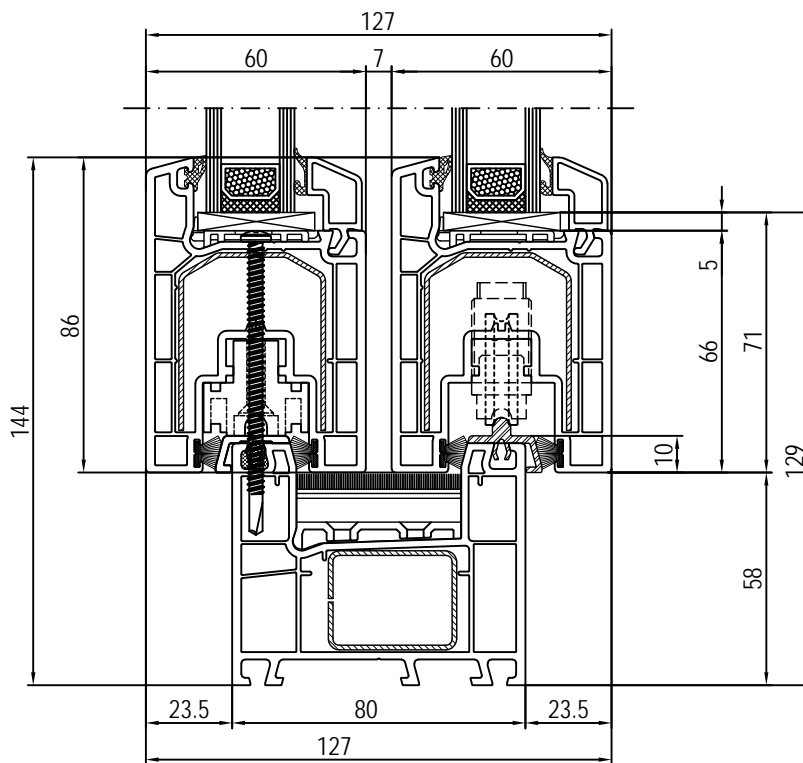
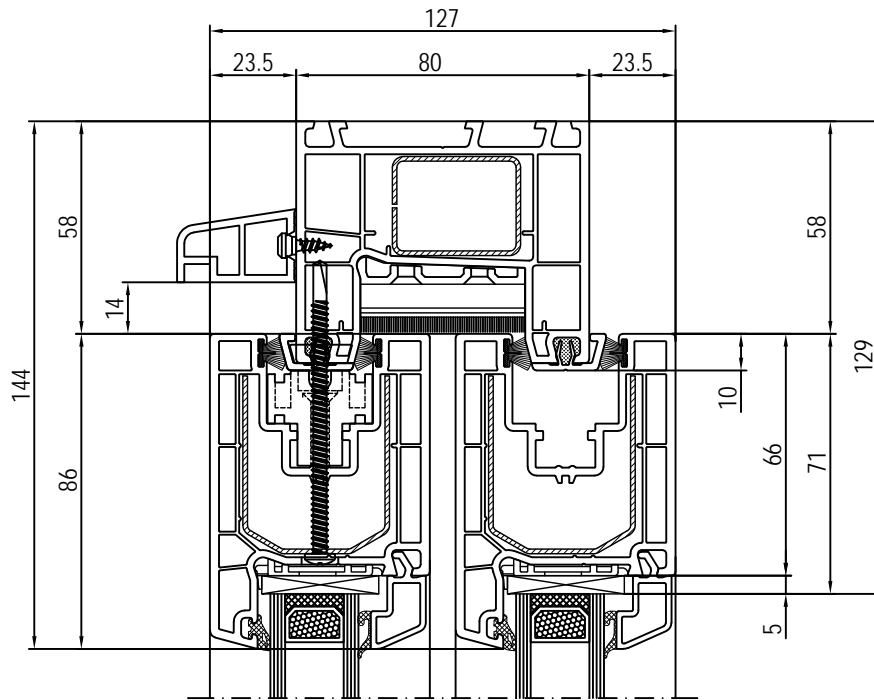


frame profile 140mm: 100x91
 sash profile 70mm: 100x94
 glazing bead: 120832



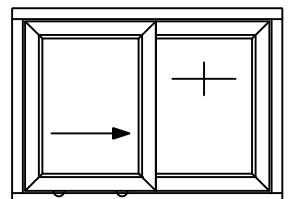
SMART-SLIDE

sliding sash



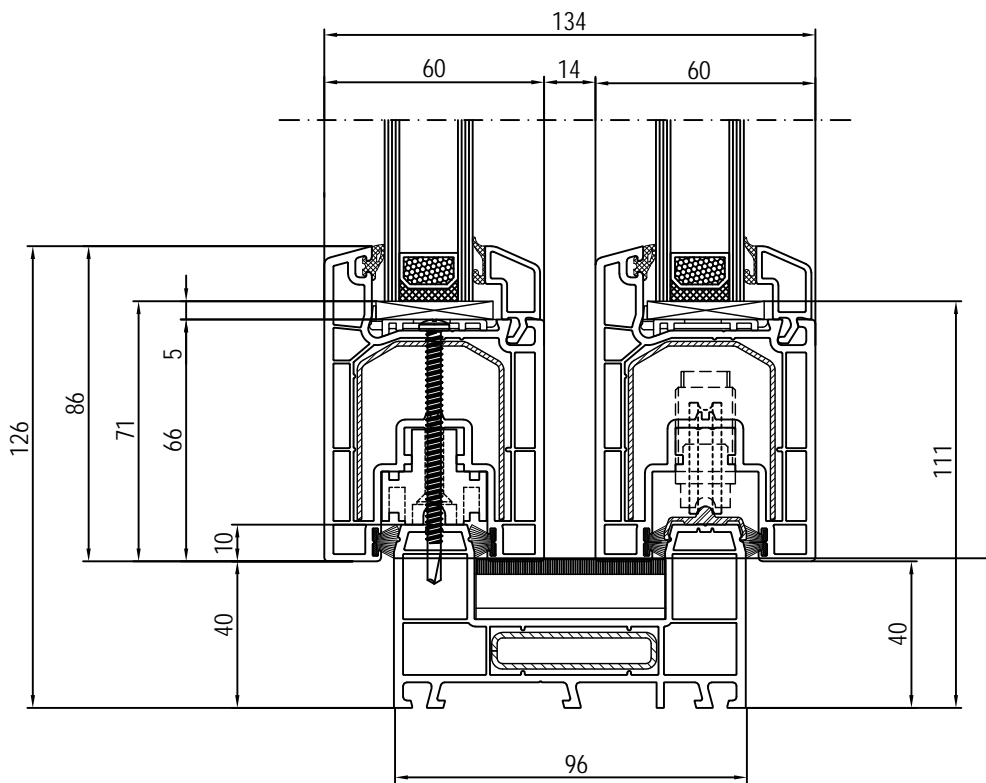
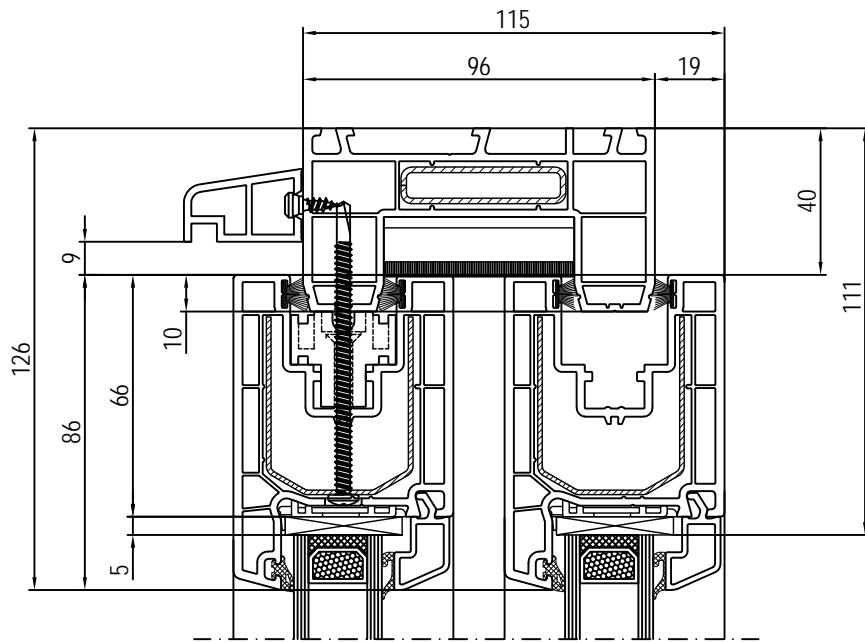
frame profile 140mm: 100x90
 sash profile 70mm: 100x92
 glazing bead: 140853

Schema A



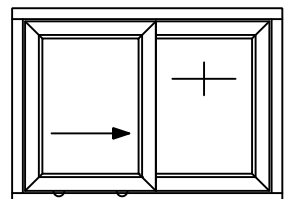
Multi-sliding-80

vertical section

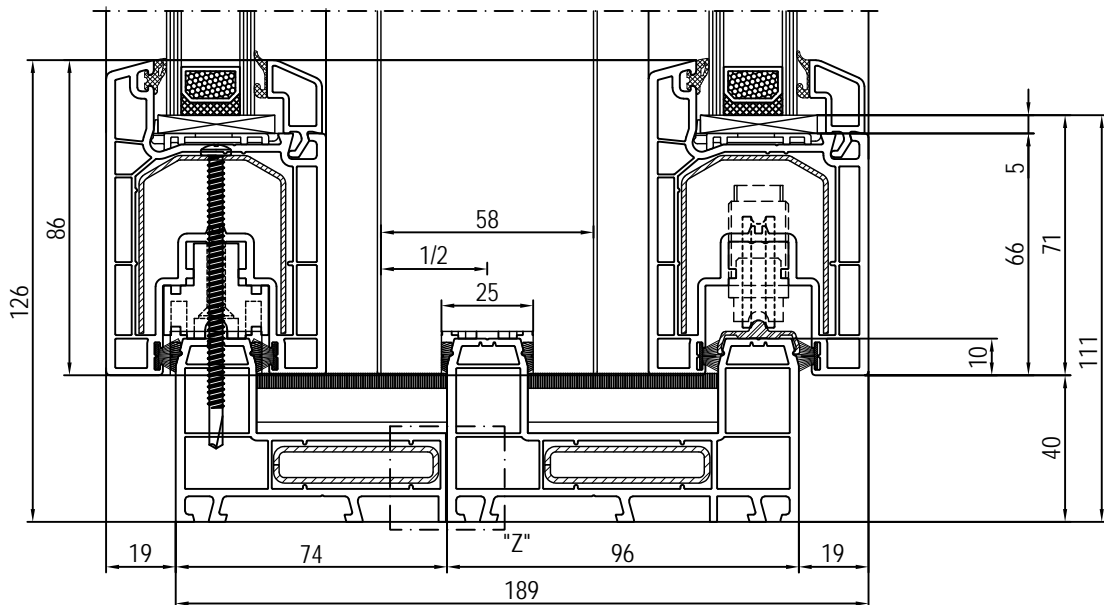
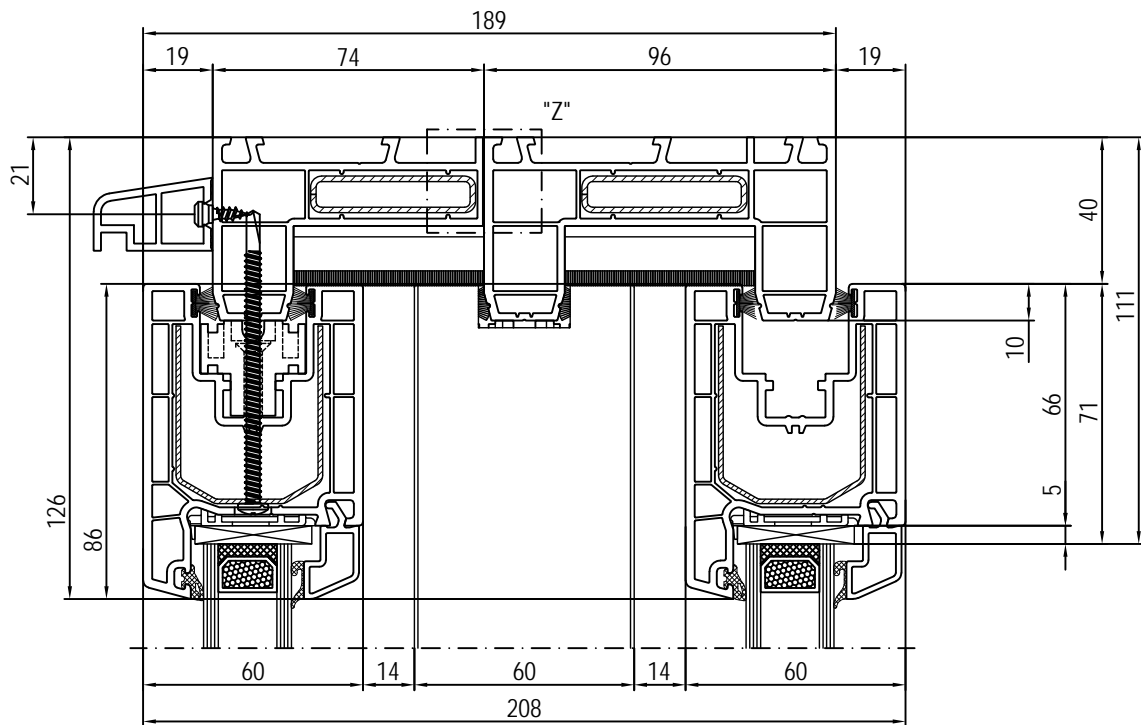


frame profile 140mm: 100x97
 sash profile 70mm: 100x92
 glazing bead: 140853

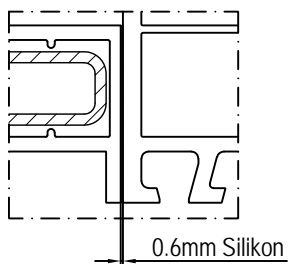
Schema A



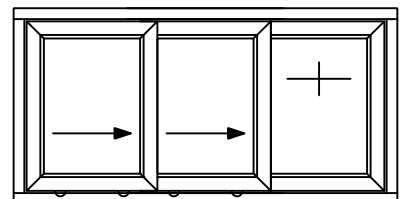
Multi-sliding-96
 vertical section



"Z"



Schema An

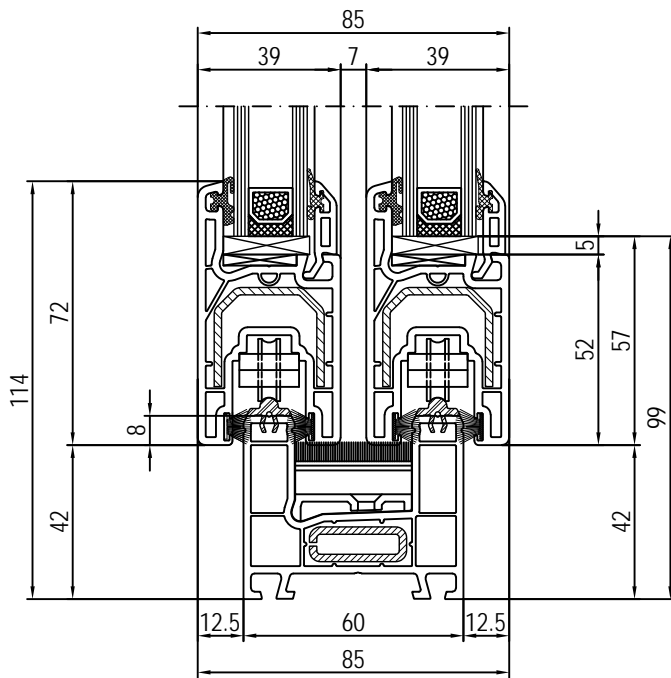
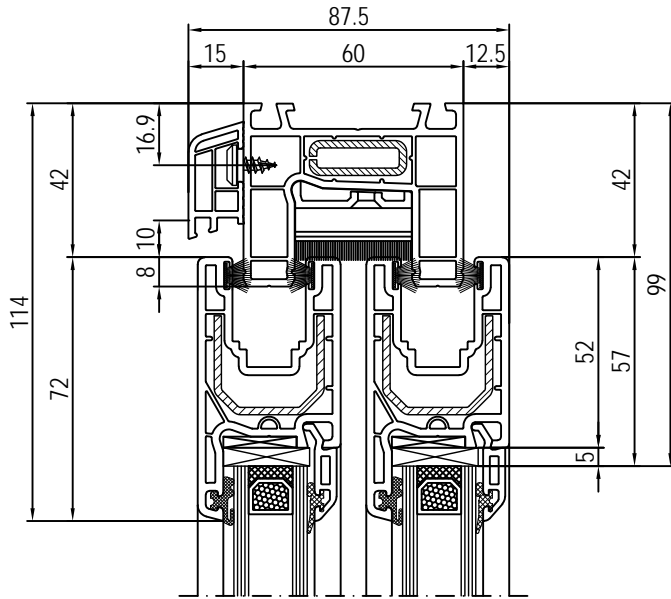


frame profiles 170mm: 100097+100098
 sash profile 70mm: 100x92
 glazing bead: 140853



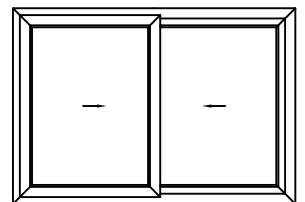
Multi-sliding - 96 + 74

vertical section



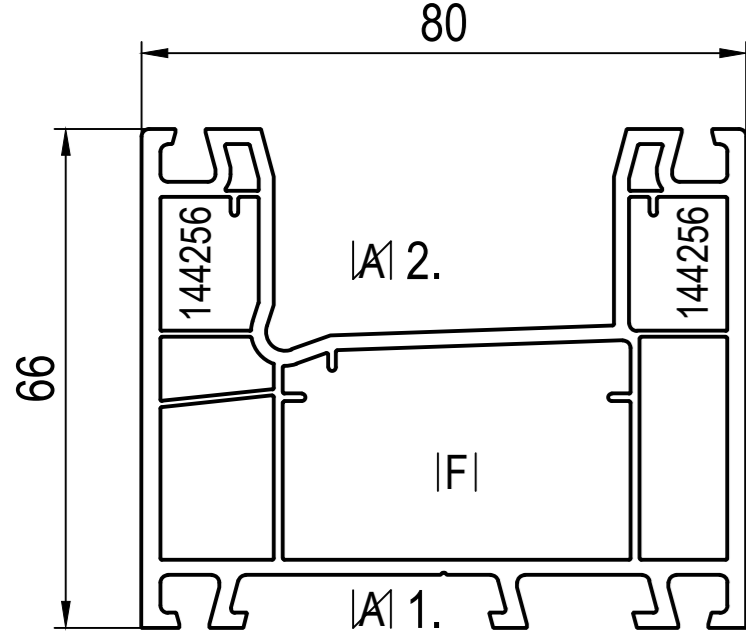
frame profile 140mm: 100x69
 sash profile 70mm: 100x72
 glazing bead: 140131

Schema D



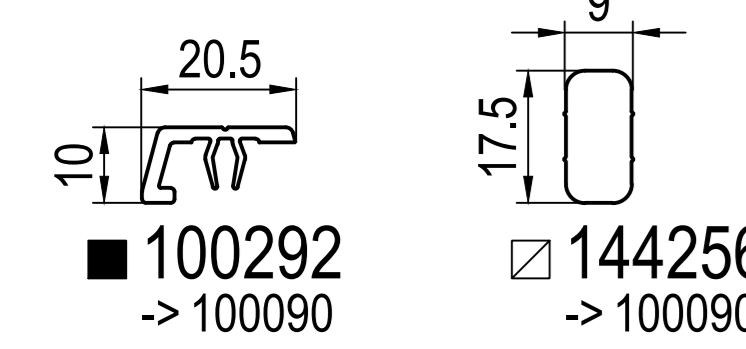
Easy-slide
 vertical section

multi-slide
rama



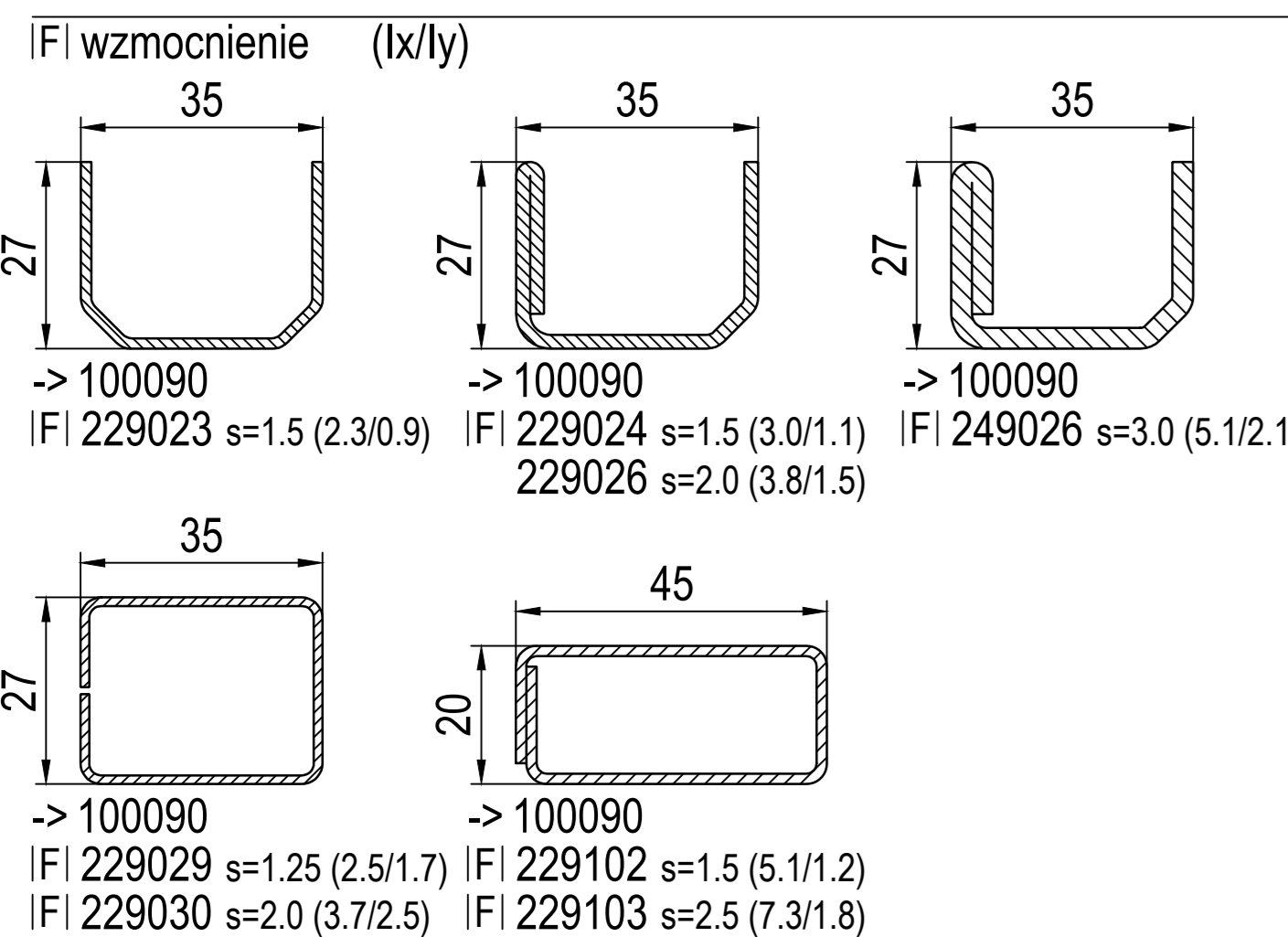
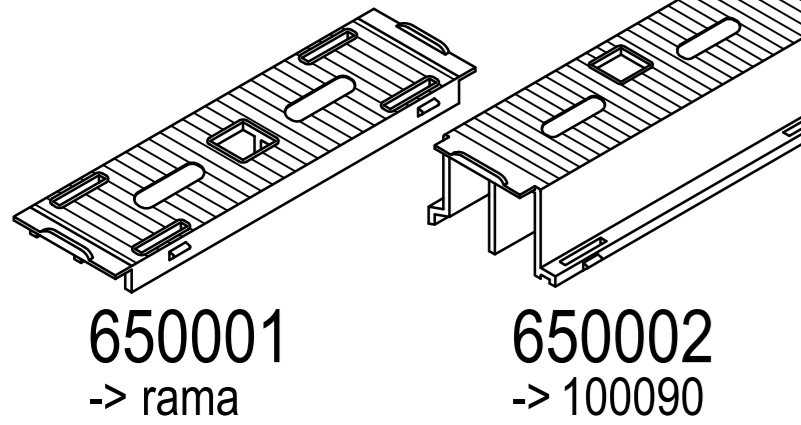
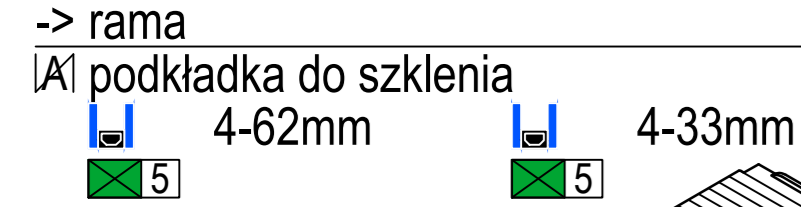
- 100090 (CL)
- IA1 1. 650001, 2. 650002
- IF1 229023, 229024, 229026, 229029, 229030, 229102, 229103, 249026
- IS1 207090, 250340
- IZ1 600090

profile
dodatkowe

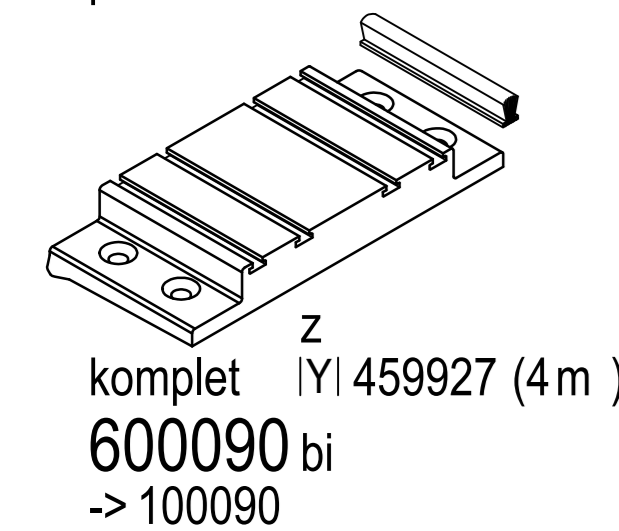
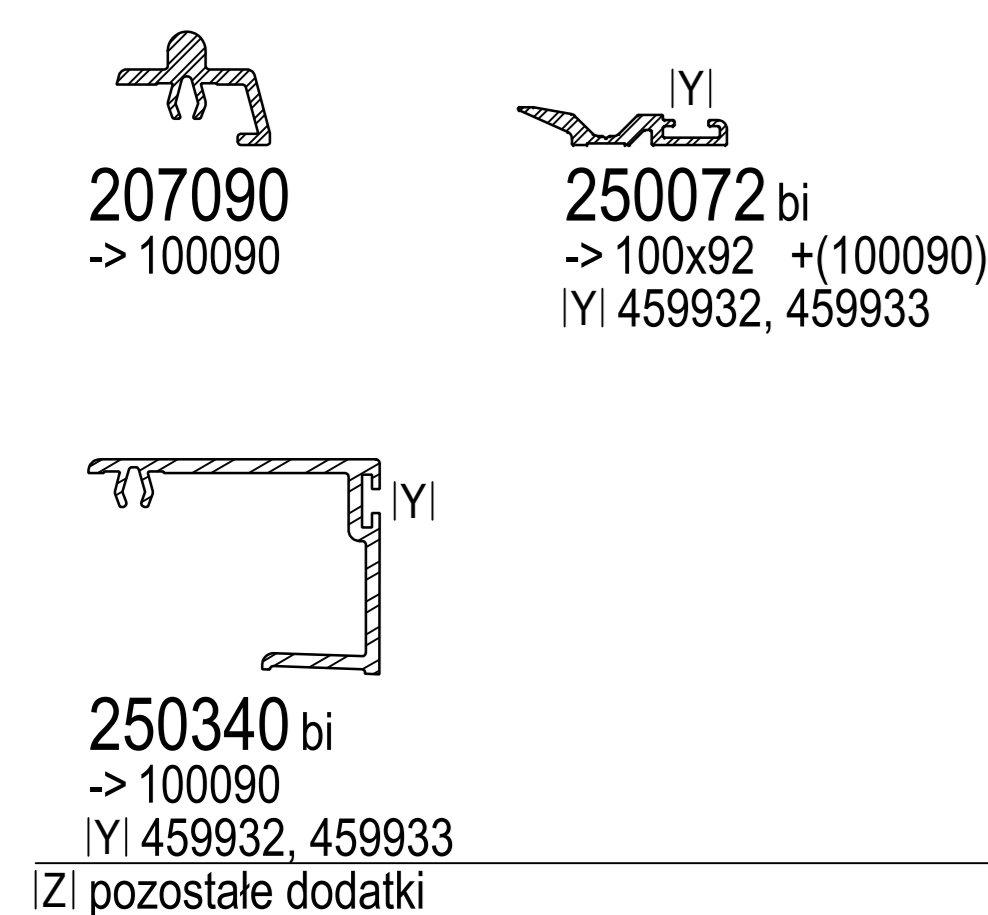


- 100292 -> 100090
- 144256 -> 100090

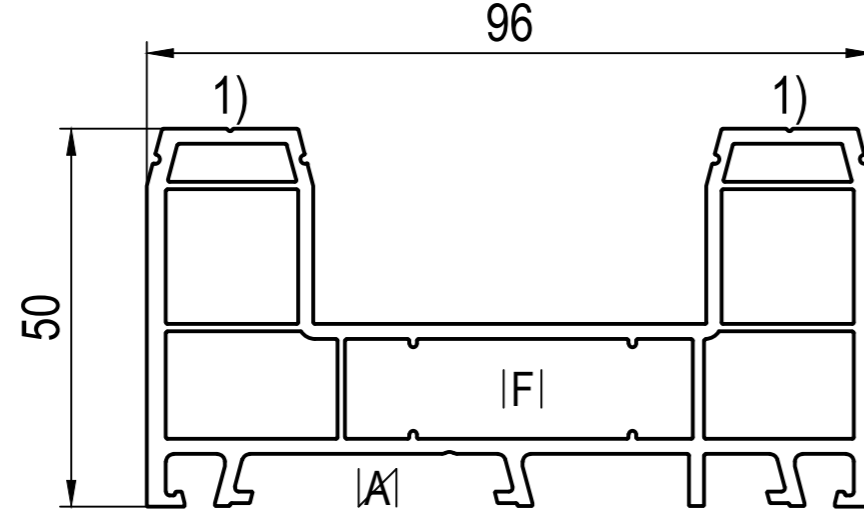
dodatki



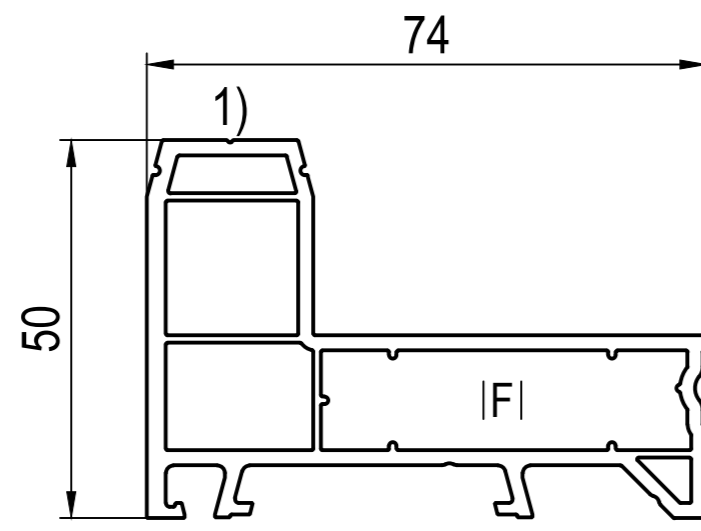
IS1 profil aluminiowy



multi-slide
rama

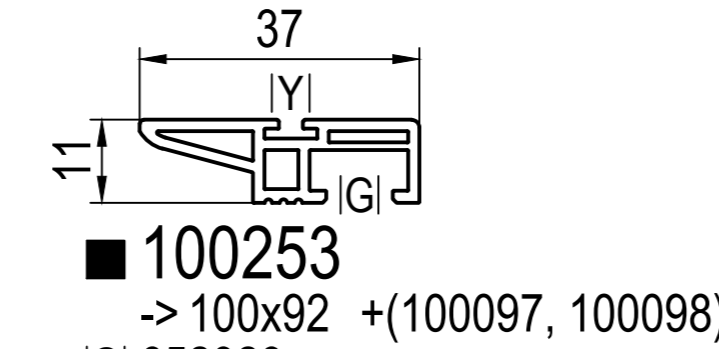


- 100097 (CL)
- IA1 650001
- IF1 209121
- IS1 207120, 214080¹⁾
- IS1 200122
- IZ1 600100
- IZ1 600197 + ID1 600297
- IU1 207125
- IVI 606125



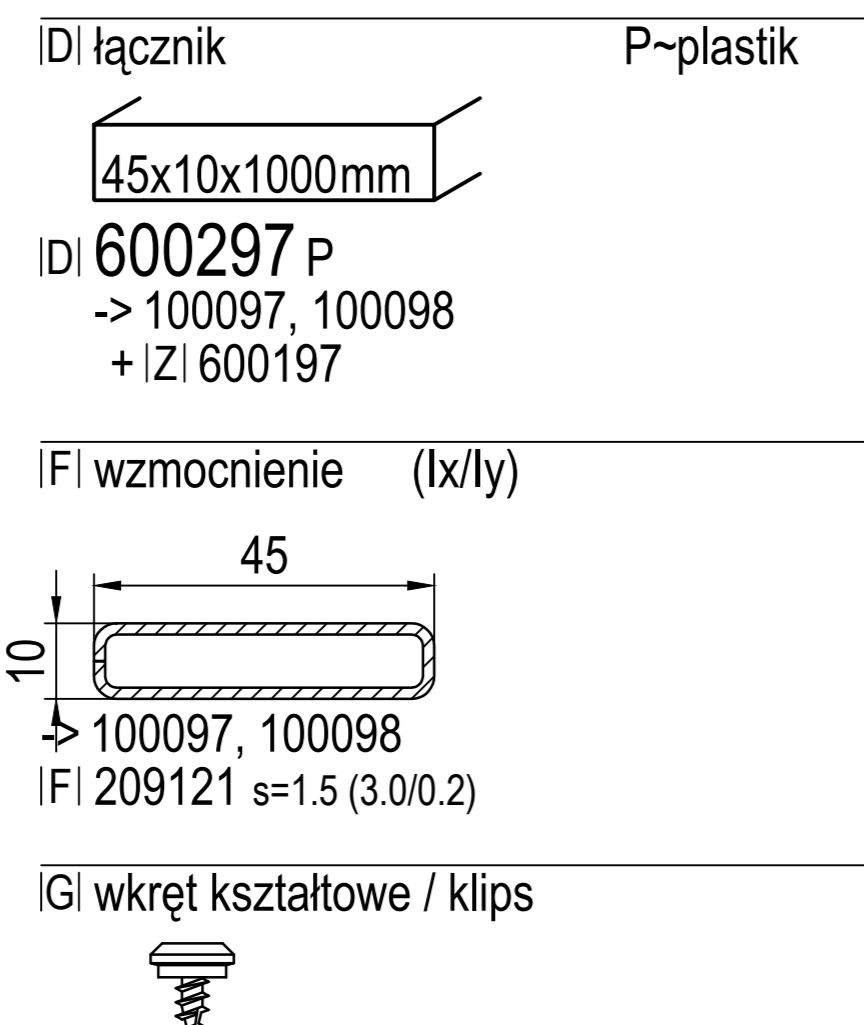
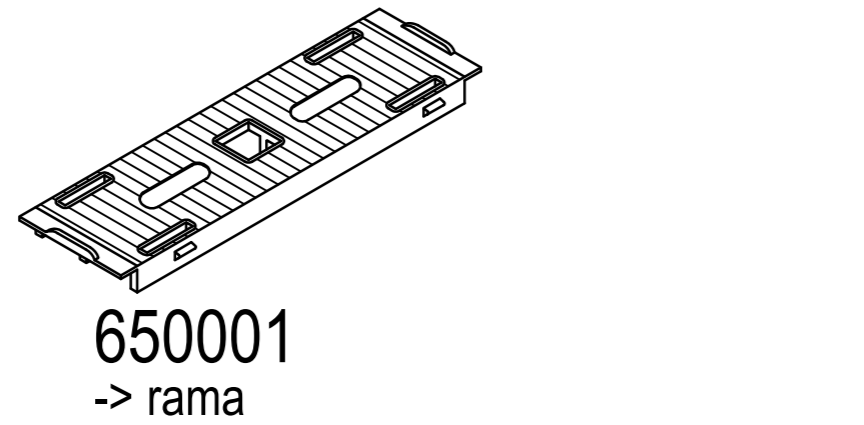
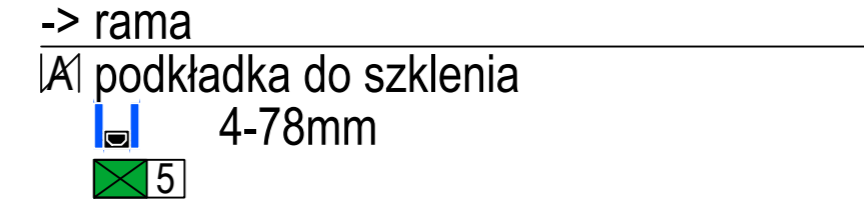
- 100098 (CL)
- IF1 209121
- IS1 207120, 214080¹⁾
- IS1 200122
- IZ1 600100
- IZ1 600197 + ID1 600297
- IU1 207124

profile
dodatkowe

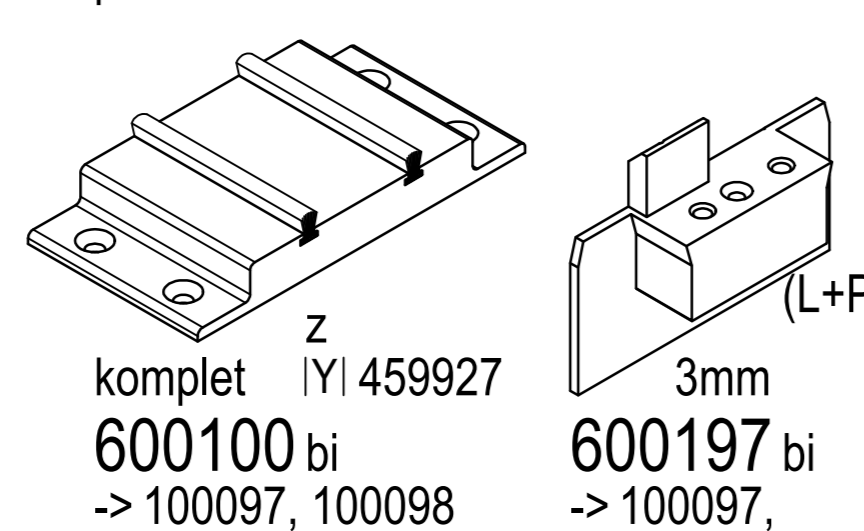
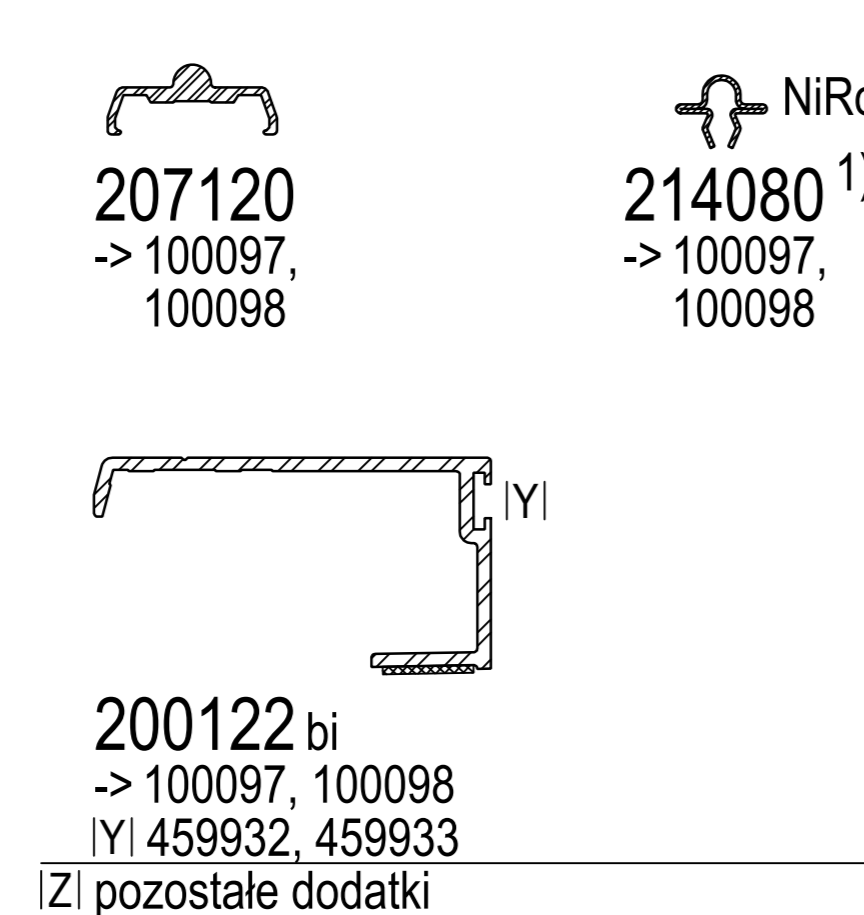


- 100253 -> 100x92 + (100097, 100098)
- GI 652923
- IY1 459927

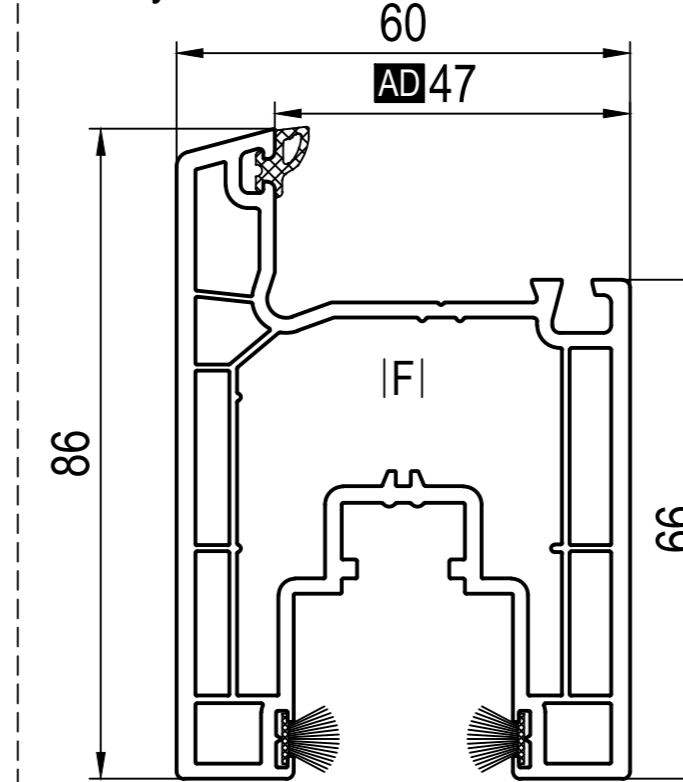
dodatki



IS1 profil aluminiowy + NiRo

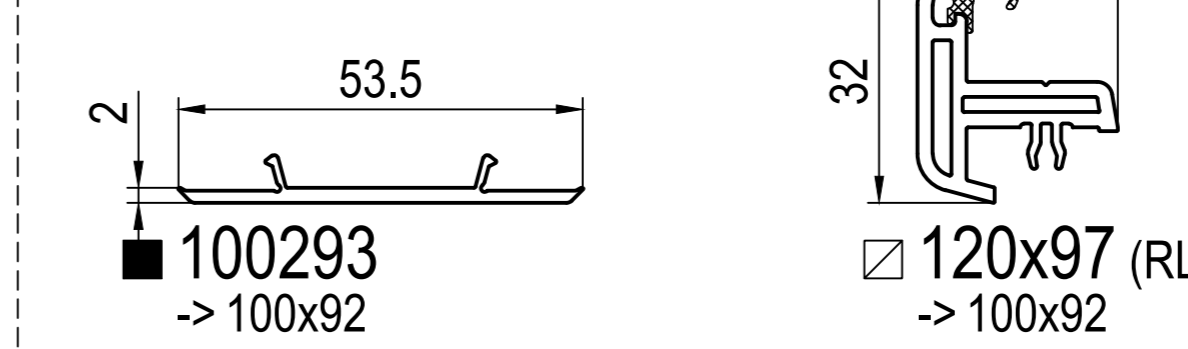


multi-slide
skrzydło



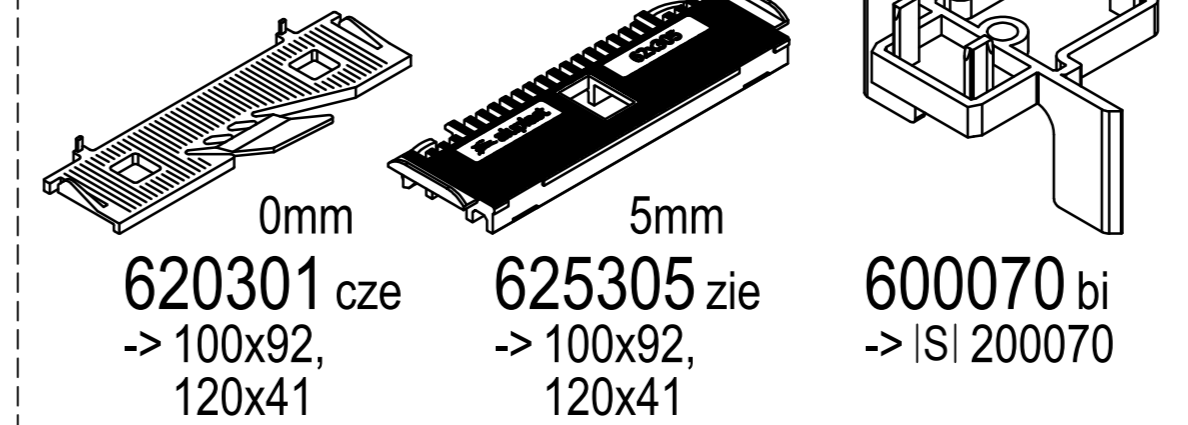
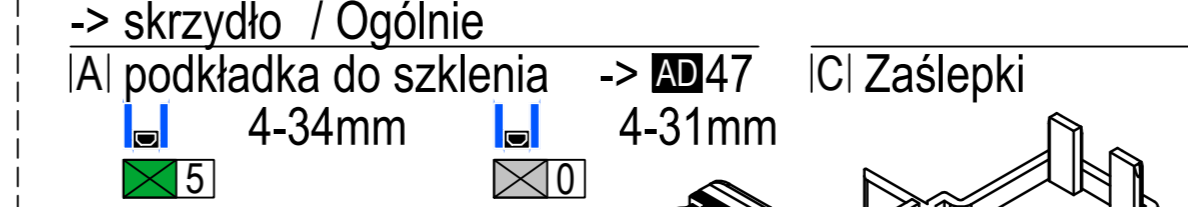
- 100x92 (CL)
- IA1 620301, 625305
- IF1 209192, 209193
- IS1 200070
- IS1 250072 + (100090)
- IY1 459932, 459933
- 100253 + (100097, 100098)
- GI 652923, IY1 459927
- IZ1 659946, 600094, 600092, 600098

profile
dodatkowe

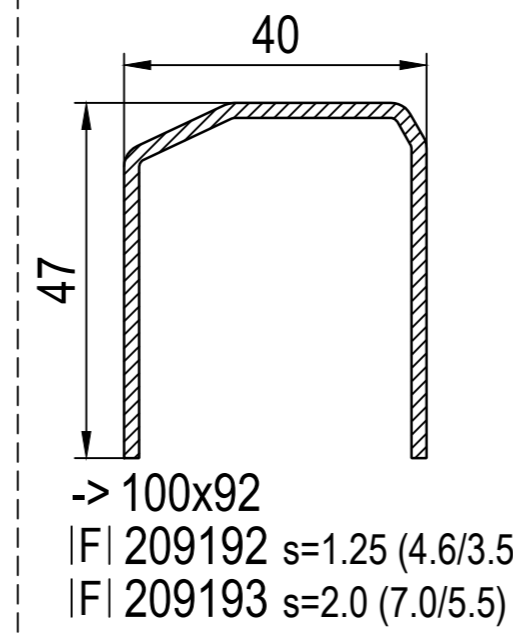


- 100293 -> 100x92
- 120x97 (RL) -> 100x92

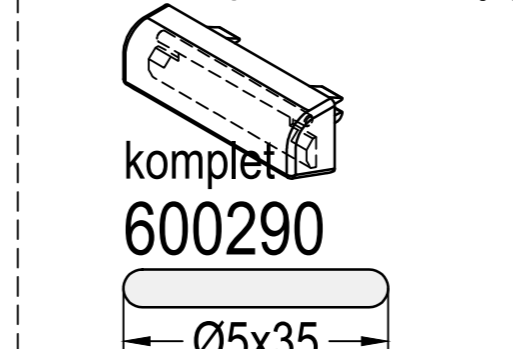
dodatki



FI wzmacnienie (lx/ly)



IS1 profil aluminiowy



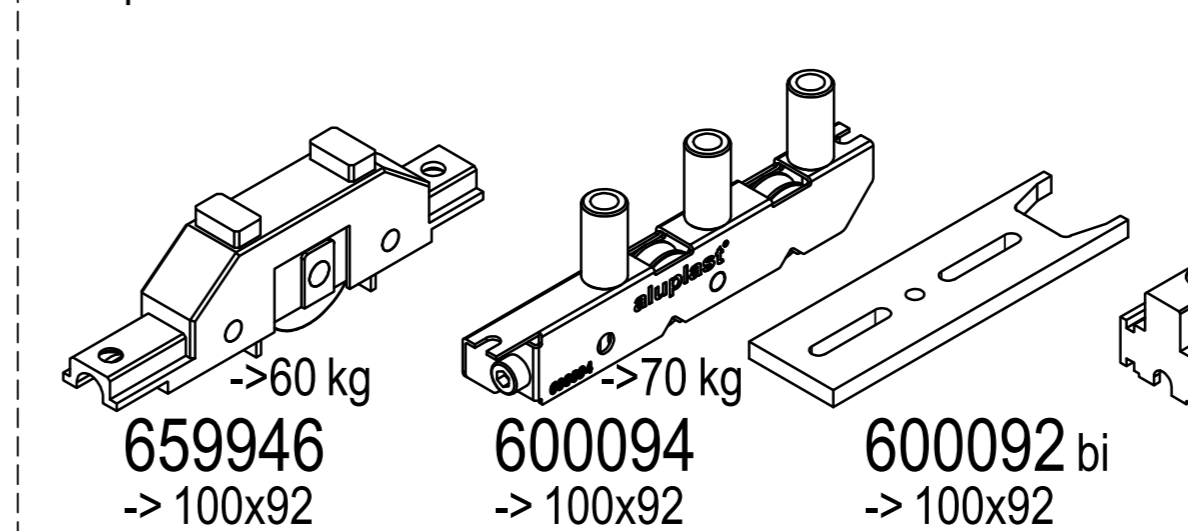
KI Zasłepki odwadniające / Rurka odwodnieniowa



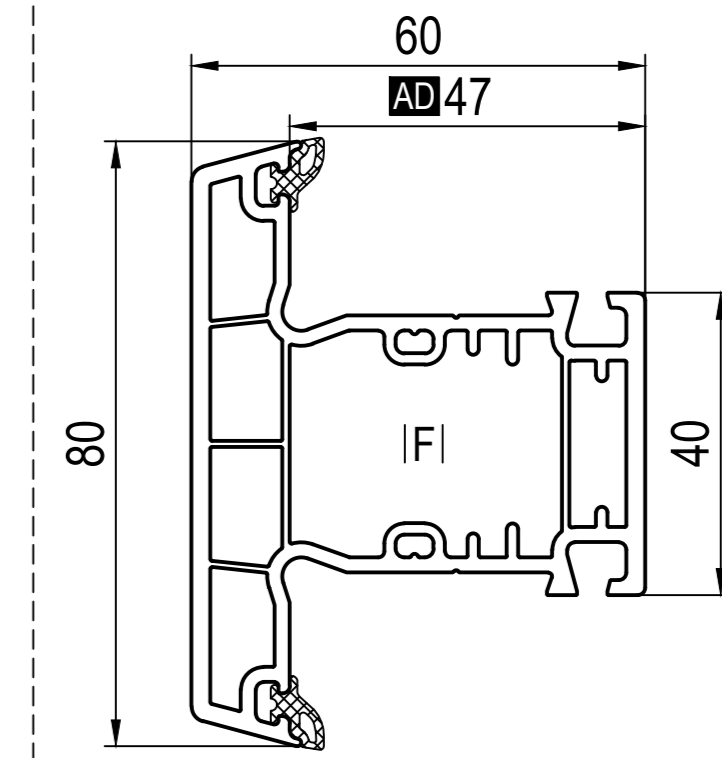
IX1 uszczelka



IY1 uszczelka szczotkowa

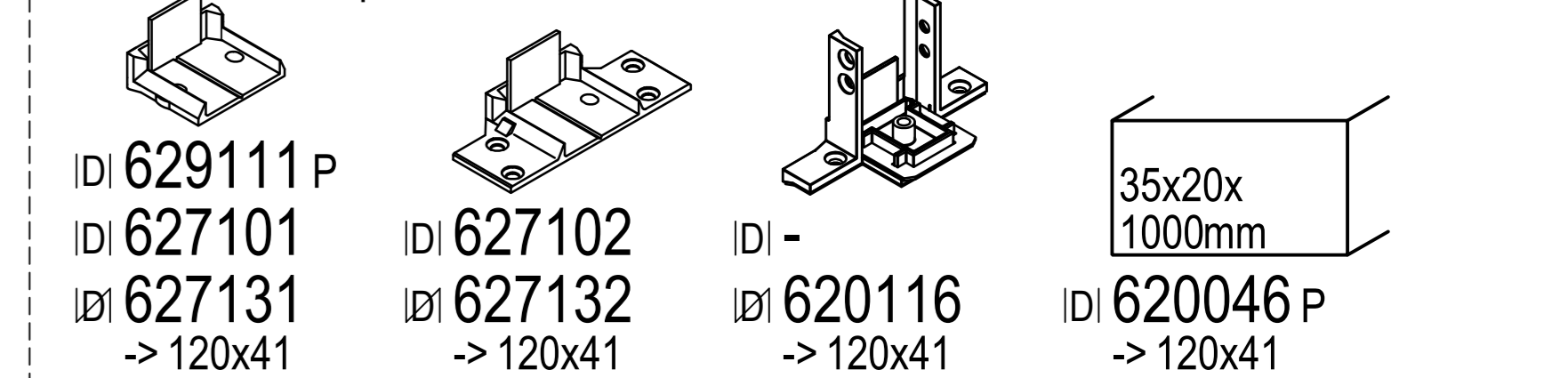
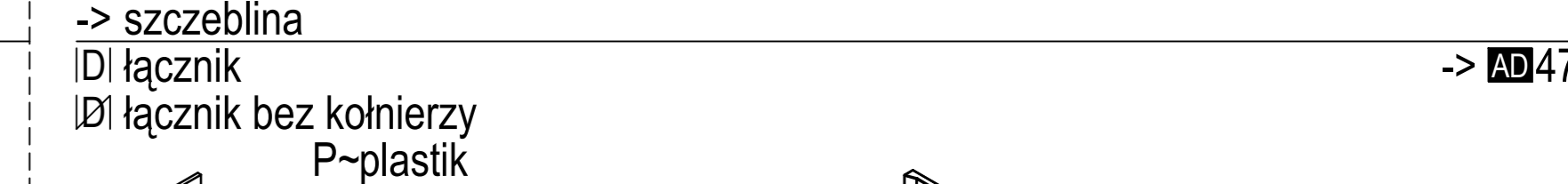


szczelbina

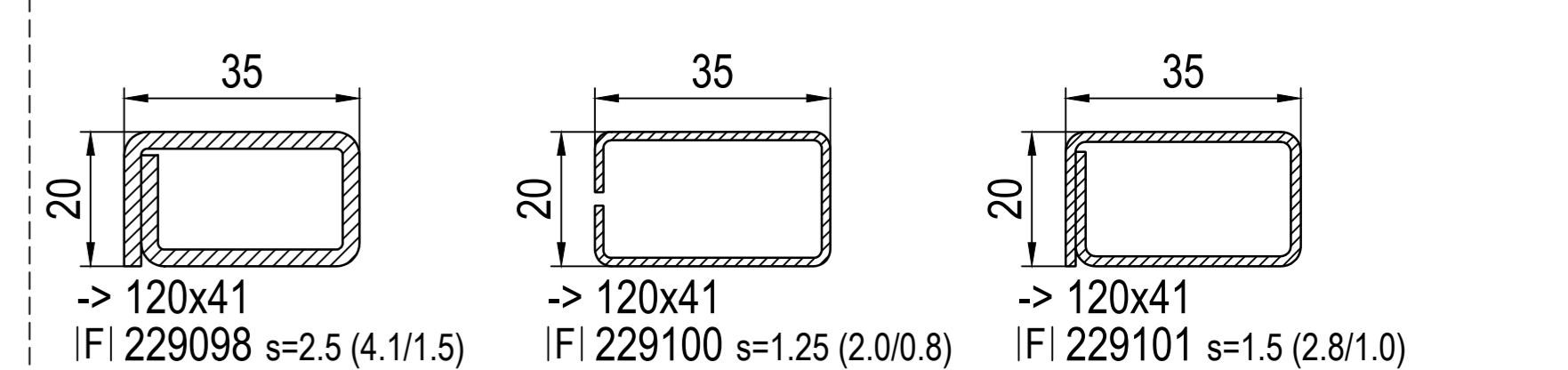


- 120x41 (CL)
- IA1 620301, 625305
- ID1 629111, 627101, 627102 -> AD47
- ID1 627131, 627132 -> AD47
- O1 620900
- ID1 620116 -> AD47
- ID1 620046 -> uniwersalny
- IF1 229098, 229100, 229101

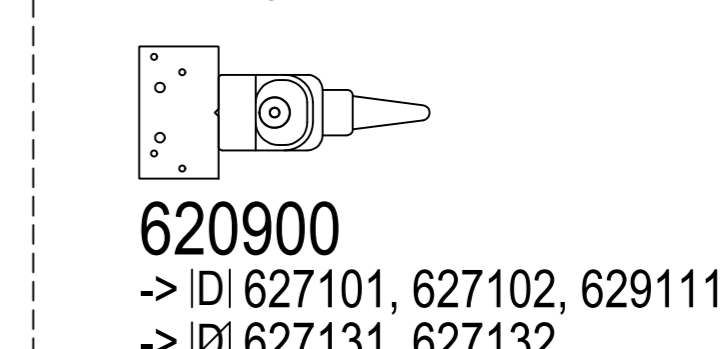
dodatki



FI wzmacnienie (lx/ly)



O1 środki pomocnicze



AD~wrzą szybowy

□ nie występuje w kolorze / okleinie

■ występuje w kolorze / okleinie

-> do

(CL) Classic-line

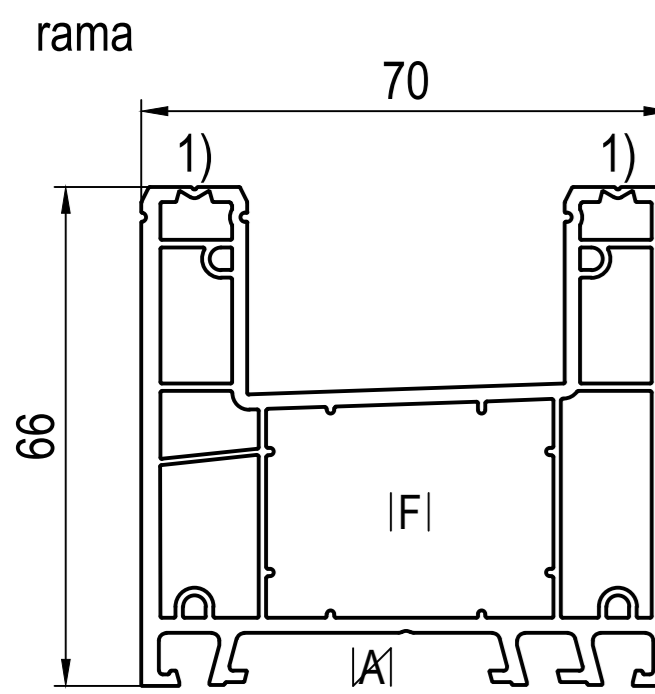
(RL) Round-line

br brąz bi biały
oc ochra cze czerwony
cza czarny zie zielony
pbi papirusowa biel

IY1 grubość oszkleń
patrz podręcznik

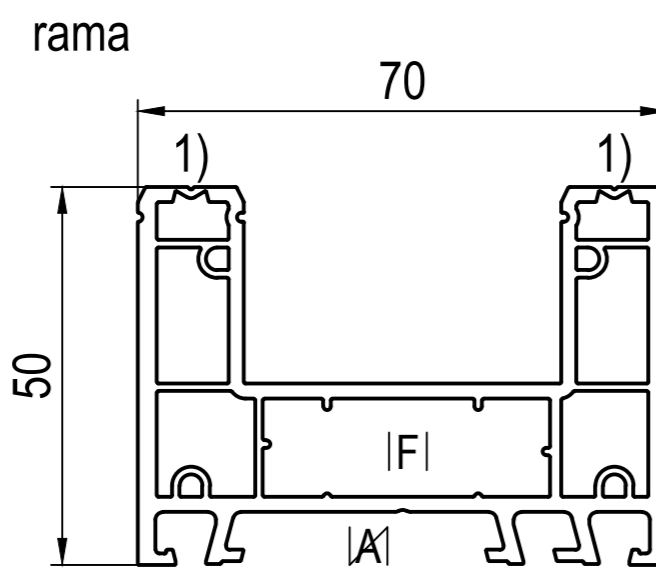
1) wymagany
-> IS1 214080

vario-slide



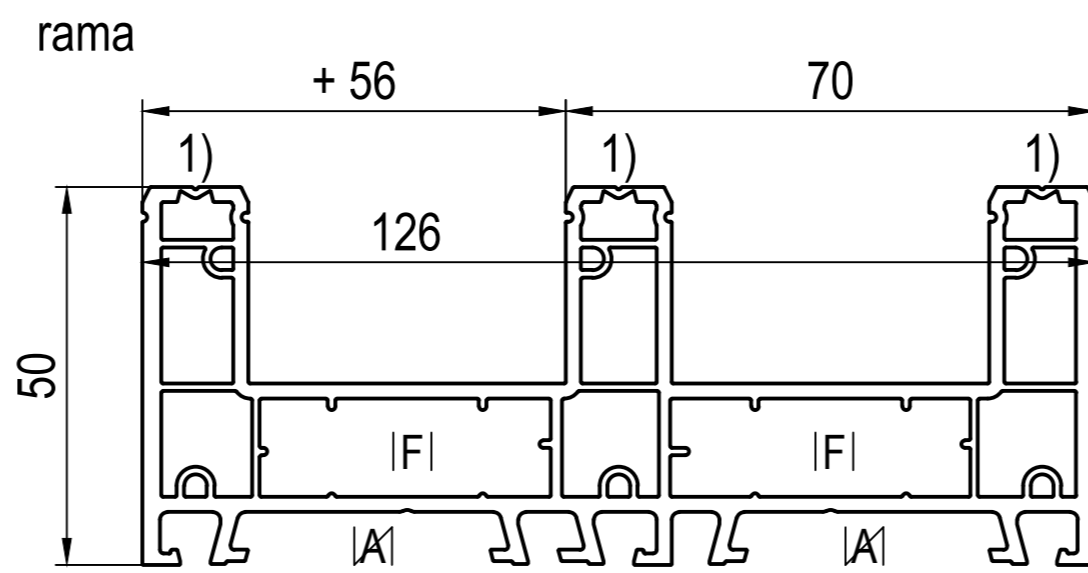
- 100083 (CL) -98
- IAI 650001
- FI 259906
- SI 207076, 207078, 214080¹⁾
- SI 200183
- ZI 600084
- ZI 600183
- OI 600986-98
- UI 207185
- OI 600986-98
- VI 606188
- XI 409185, 409188

vario-slide



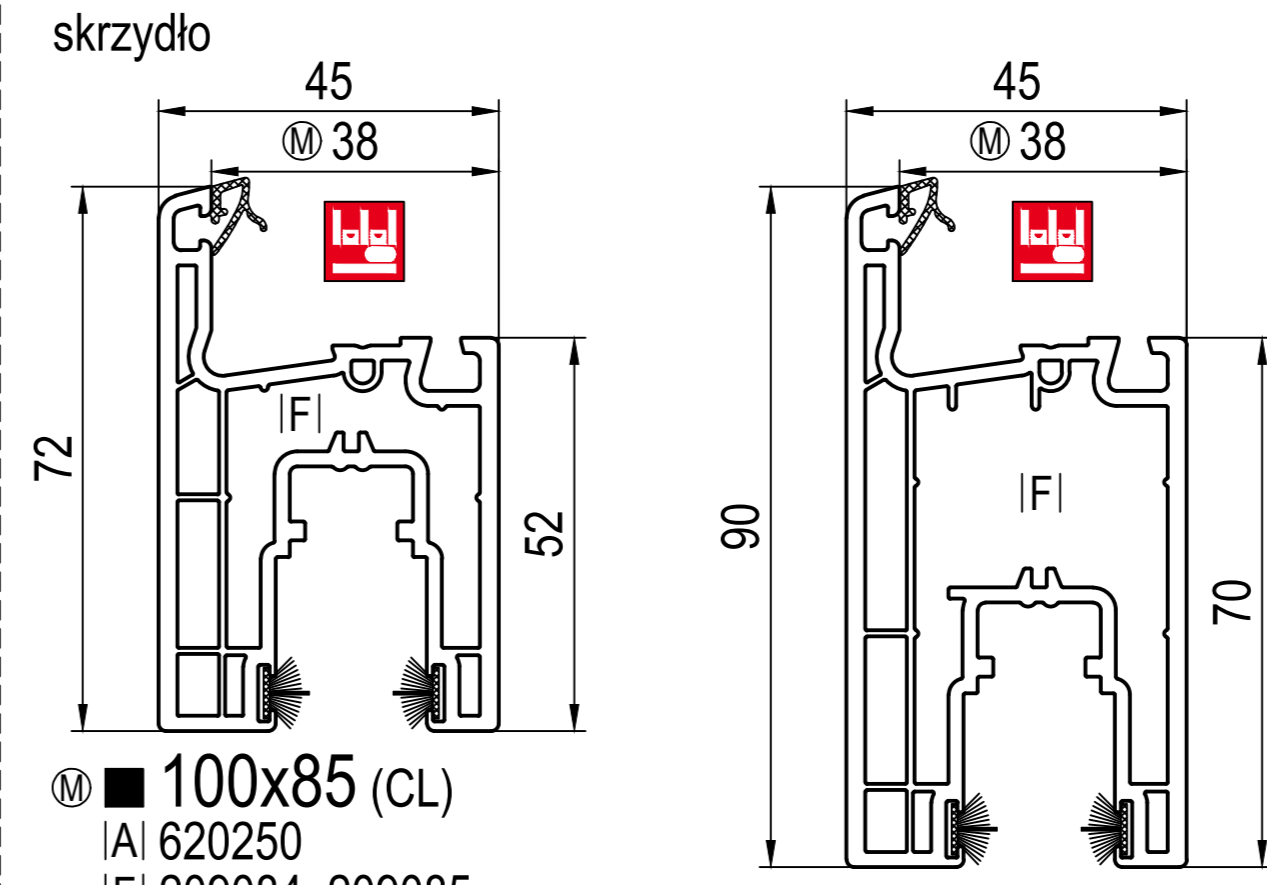
- 100087 (CL) -98
- IAI 650001
- FI 249019
- SI 207076, 207078, 214080¹⁾
- SI 200183
- ZI 600084
- ZI 600187
- OI 600986-98
- UI 207185
- OI 600986-98
- VI 606185
- XI 409185, 409187

vario-slide



- 100084 (CL) -98
- IAI 650001
- FI 249019
- SI 207076, 207078, 214080¹⁾
- SI 200183, 200184
- ZI 600084
- ZI 600184
- OI 600986-98
- UI 207186
- OI 600986-98
- VI 606186
- XI 409184, 409186

vario-slide

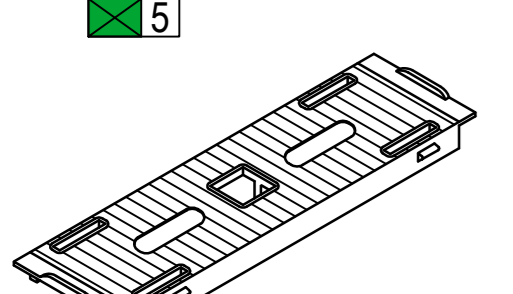


- 100x85 (CL)
- IAI 620250
- FI 209084, 209085
- JI 642261, 642262, 646265
- SI 200083, 200180, 200181
- ZI 600085, 600096, 650947
- 100x86 (CL)
- IAI 620250
- FI 209086, 209087
- JI 642261, 642262, 646265
- SI 200080, 200081, 200083, 200180, 200181
- ZI 600085, 600095, 600096, 650947, 659946



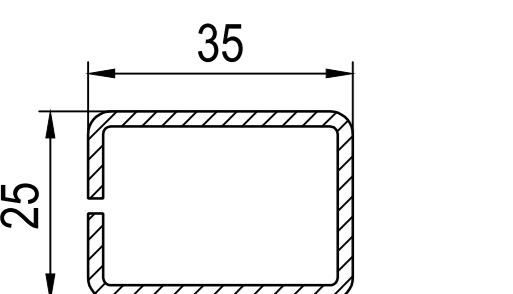
dodatki

-> rama
IAI podkładka do szklenia 3-52mm



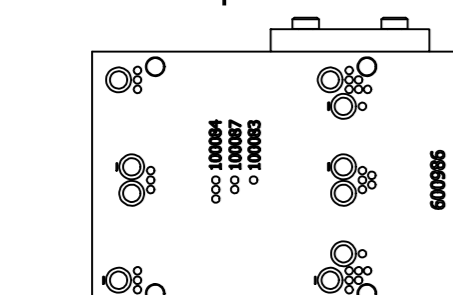
650001
-> rama

FI wzmocnienie (Ix/Iy)



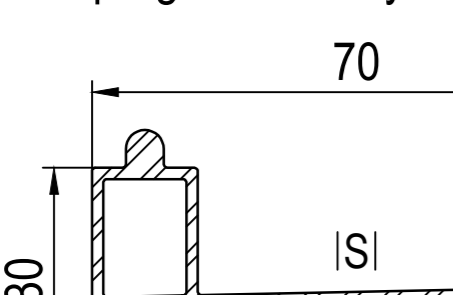
-> 100083
FI 259906 s=2.0 (3.4/2.1)

OI środki pomocnicze



600986-98
-> 100083, 100084, 100087
+ UI 207185, 207186
+ VI 606185, 606186, 606188

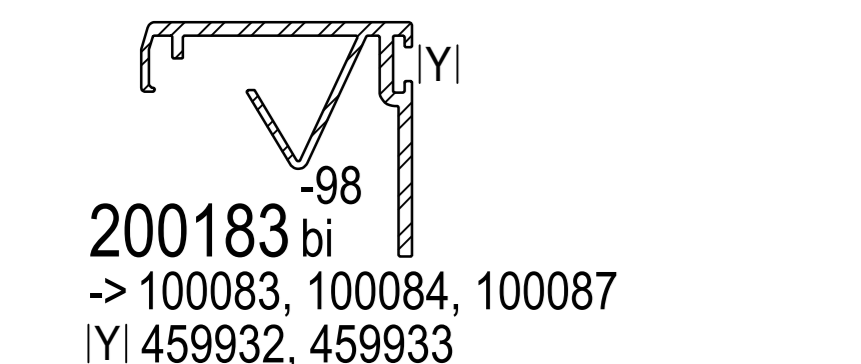
UI próg aluminiowy



207185
-> 100083 VI 606188 XI 409188
-> 100087 VI 606185 XI 409187
OI 600986-98 XI 409185
SI 207188
SI 207187

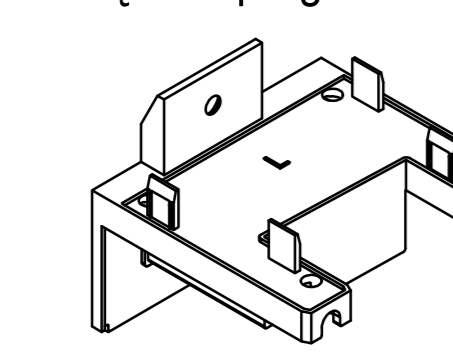
SI profil aluminiowy

- + NiRo
- 207076 -> 100083, 100084, 100087
- 207078 -> 100083, 100084, 100087
- 214080¹⁾ -> 100083, 100084, 100087

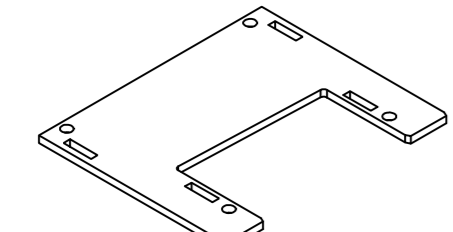


200183-98
-> 100083, 100084, 100087
YI 459932, 459933

VI łącznik progu

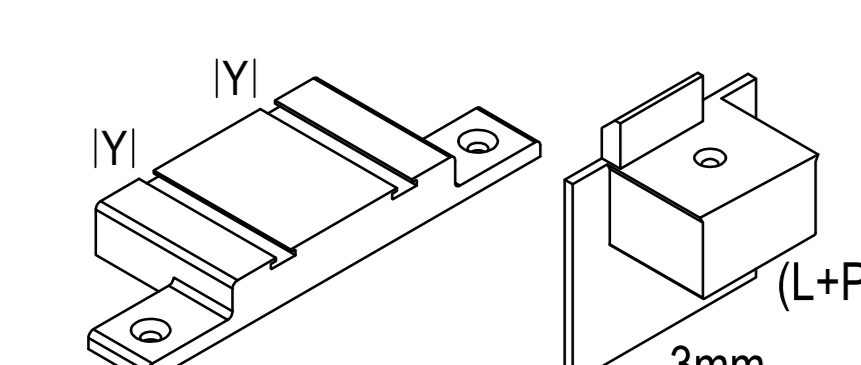


606188-98
-> 100083 + UI 207185
XI 409188 XI 409185
XI uszczelka



409185-98
-> 100083, 100084, 100087
YI 459932, 459933

ZI pozostałe dodatki

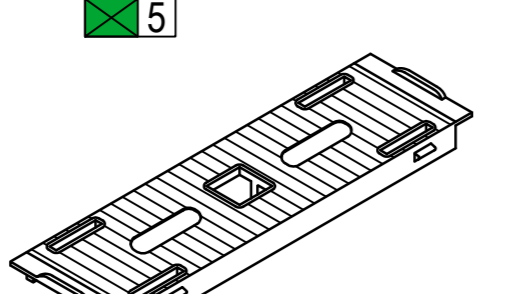


600084-98
-> 100083, 100084, 100087
YI 459932, 459933

600183-98
-> 100083
OI 600986-98

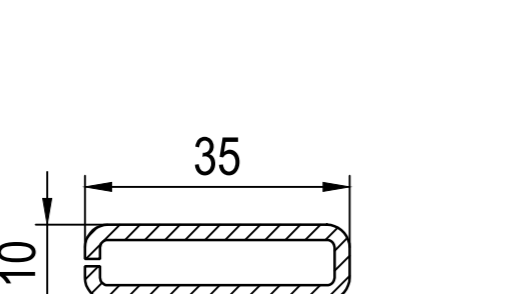
dodatki

-> rama
IAI podkładka do szklenia 3-52mm



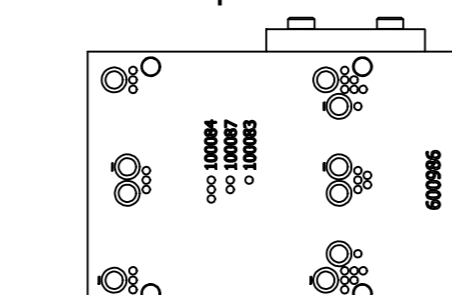
650001
-> rama

FI wzmocnienie (Ix/Iy)



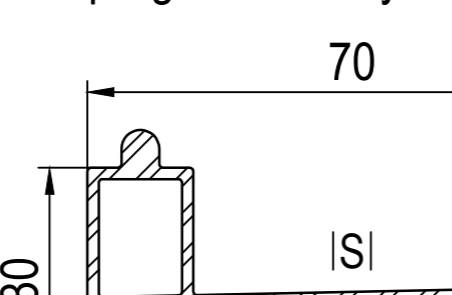
-> 100084, 100087
FI 249019 s=2.0 (1.8/0.2)

OI środki pomocnicze



600986-98
-> 100083, 100084, 100087
+ UI 207185, 207186
+ VI 606185, 606186, 606188

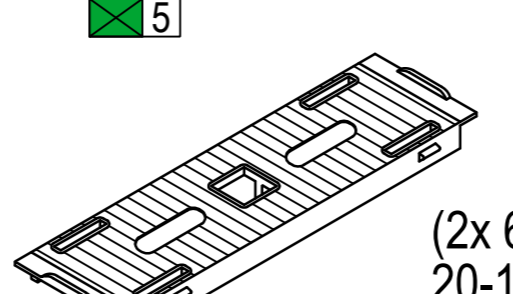
UI próg aluminiowy



207185
-> 100083 VI 606188 XI 409188
-> 100087 VI 606185 XI 409187
OI 600986-98 XI 409185
SI 207188
SI 207187

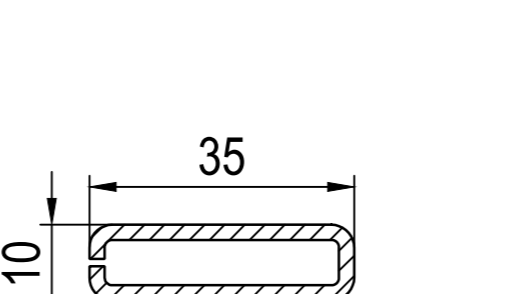
dodatki

-> rama
IAI podkładka do szklenia 3-52mm



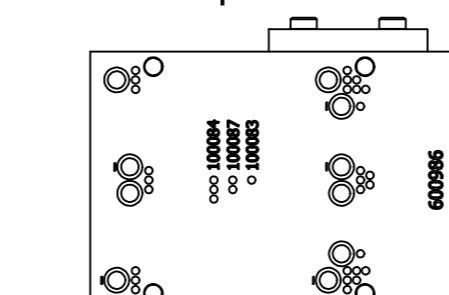
650001
-> rama

FI wzmocnienie (Ix/Iy)



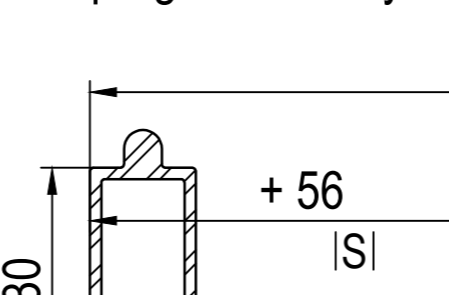
-> 100084, 100087
FI 249019 s=2.0 (1.8/0.2)

OI środki pomocnicze



600986-98
-> 100083, 100084, 100087
+ UI 207185, 207186
+ VI 606185, 606186, 606188

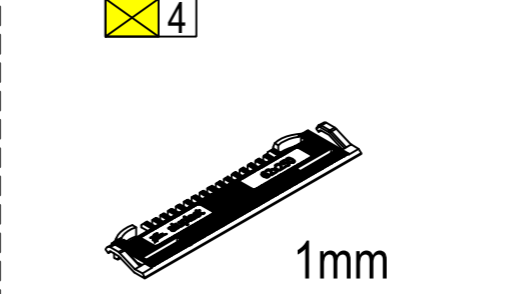
UI próg aluminiowy



207186
-> 100084 VI 606186 XI 409184
OI 600986-98 XI 409186
SI 207188
SI 207187

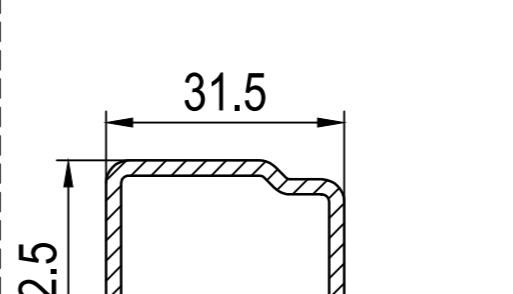
dodatki

-> skrzydło / uniwersalny
IAI podkładka do szklenia 3-26mm



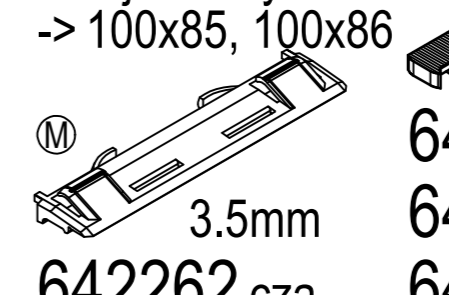
620250
-> rama

FI wzmocnienie (Ix/Iy)



-> 100x85
FI 209084 s=1.25 (2.0/1.2)
FI 209085 s=2.0 (3.0/1.9)

JI wklejana szyba -> 100x85, 100x86



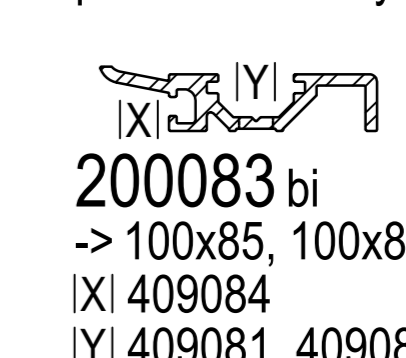
642262
-> 100x85, 100x86
H [mm]
3.5mm 640033 cze 3
640034 zó 4
640035 zie 5

UI próg aluminiowy



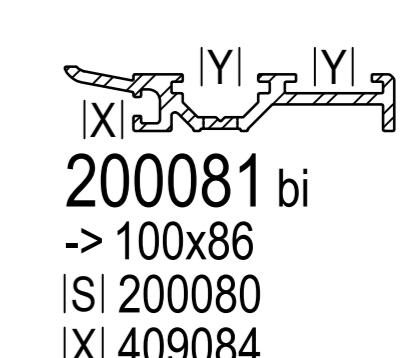
642261
-> 100x85, 100x86
OI 600986-98
FI 209087 s=2.0 (4.5/5.8)

SI profil aluminiowy



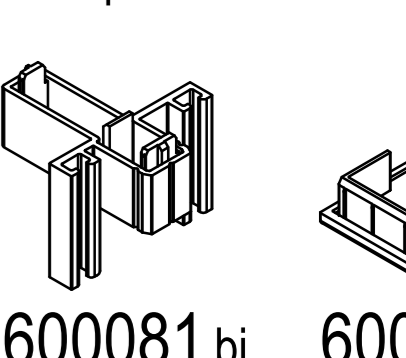
200083-98
-> 100x85, 100x86
XI 409084
YI 409081, 409083

CI zaślepka



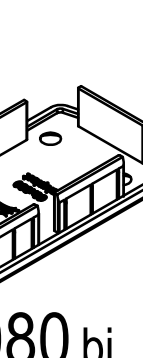
200081-98
-> 100x86
SI 200080
XI 409081
YI 409081, 409083

CI zaślepka



600081-98
-> 100x86
SI 200180, 200181
XI 477025, 479025

komplet



600182-98
-> 100x86
SI 200080
CI 600182
YI 409081, 409083

system profili energo IDEAL ... prime advance view	a	c ³⁾	d	grubość oszkleńcia																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
neo ...	skrzydło / szczelina	67mm	4	10-11mm	12-13mm	14-15mm	16-17mm	18-19mm	20-21mm	22-23mm	24-25mm	26-27mm	28-29mm	30-31mm	32-33mm	34-35mm	36-37mm	38-39mm	40-41mm	42-43mm	44-45mm	46-47mm	48-49mm	50-51mm	52-53mm	54-55mm	56-57mm	58-59mm	60-61mm	62-63mm	64-65mm	66-67mm	68-69mm	70-71mm	72-73mm	74-75mm	76-77mm	78-79mm	80-81mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
neo ... +14	skrzydło	81mm	4	24-25mm	26-27mm	28-29mm	30-31mm	32-33mm	34-35mm	36-37mm	38-39mm	40-41mm	42-43mm	44-45mm	46-47mm	48-49mm	50-51mm	52-53mm	54-55mm	56-57mm	58-59mm	60-61mm	62-63mm	64-65mm	66-67mm	68-69mm	70-71mm	72-73mm	74-75mm	76-77mm	78-79mm	80-81mm	82-83mm	84-85mm	86-87mm	88-89mm	90-91mm	92-93mm	94-95mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
neo ...	rama / słupek	65mm	4	8-9mm	10-11mm	12-13mm	14-15mm	16-17mm	18-19mm	20-21mm	22-23mm	24-25mm	26-27mm	28-29mm	30-31mm	32-33mm	34-35mm	36-37mm	38-39mm	40-41mm	42-43mm	44-45mm	46-47mm	48-49mm	50-51mm	52-53mm	54-55mm	56-57mm	58-59mm	60-61mm	62-63mm	64-65mm	66-67mm	68-69mm	70-71mm	72-73mm	74-75mm	76-77mm	78-79mm	80-81mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
neo view	skrzydło	75mm	2	20-21mm	22-23mm	24-25mm	26-27mm	28-29mm	30-31mm	32-33mm	34-35mm	36-37mm	38-39mm	40-41mm	42-43mm	44-45mm	46-47mm	48-49mm	50-51mm	52-53mm	54-55mm	56-57mm	58-59mm	60-61mm	62-63mm	64-65mm	66-67mm	68-69mm	70-71mm	72-73mm	74-75mm	76-77mm	78-79mm	80-81mm	82-83mm	84-85mm	86-87mm	88-89mm	90-91mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
... 8000/7000	skrzydło	65mm	4	8-9mm	10-11mm	12-13mm	14-15mm	16-17mm	18-19mm	20-21mm	22-23mm	24-25mm	26-27mm	28-29mm	30-31mm	32-33mm	34-35mm	36-37mm	38-39mm	40-41mm	42-43mm	44-45mm	46-47mm	48-49mm	50-51mm	52-53mm	54-55mm	56-57mm	58-59mm	60-61mm	62-63mm	64-65mm	66-67mm	68-69mm	70-71mm	72-73mm	74-75mm	76-77mm	78-79mm	80-81mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
... 8000 +8	skrzydło	73mm	4	16-17mm	18-19mm	20-21mm	22-23mm	24-25mm	26-27mm	28-29mm	30-31mm	32-33mm	34-35mm	36-37mm	38-39mm	40-41mm	42-43mm	44-45mm	46-47mm	48-49mm	50-51mm	52-53mm	54-55mm	56-57mm	58-59mm	60-61mm	62-63mm	64-65mm	66-67mm	68-69mm	70-71mm	72-73mm	74-75mm	76-77mm	78-79mm	80-81mm	82-83mm	84-85mm	86-87mm	88-89mm	90-91mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
... 7000	skrzydło	85mm	4	32-33mm	34-35mm	36-37mm	38-39mm	40-41mm	42-43mm	44-45mm	46-47mm	48-49mm	50-51mm	52-53mm	54-55mm	56-57mm	58-59mm	60-61mm	62-63mm	64-65mm	66-67mm	68-69mm	70-71mm	72-73mm	74-75mm	76-77mm	78-79mm	80-81mm	82-83mm	84-85mm	86-87mm	88-89mm	90-91mm	92-93mm	94-95mm	96-97mm	98-99mm	100-101mm	102-103mm	104-105mm	106-107mm	108-109mm	110-111mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
... 7000	skrzydło	81mm	4	28-29mm	30-31mm	32-33mm	34-35mm	36-37mm	38-39mm	40-41mm	42-43mm	44-45mm	46-47mm	48-49mm	50-51mm	52-53mm	54-55mm	56-57mm	58-59mm	60-61mm	62-63mm	64-65mm	66-67mm	68-69mm	70-71mm	72-73mm	74-75mm	76-77mm	78-79mm	80-81mm	82-83mm	84-85mm	86-87mm	88-89mm	90-91mm	92-93mm	94-95mm	96-97mm	98-99mm	100-101mm	102-103mm	104-105mm	106-107mm	108-109mm	110-111mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
... 4000	skrzydło	55mm	4	-	-	-	4-5mm	6-7mm	8-9mm	10-11mm	12-13mm	14-15mm	16-17mm	18-19mm	20-21mm	22-23mm	24-25mm	26-27mm	28-29mm	30-31mm	32-33mm	34-35mm	36-37mm	38-39mm	40-41mm	42-43mm	44-45mm	46-47mm	48-49mm	50-51mm	52-53mm	54-55mm	56-57mm	58-59mm	60-61mm	62-63mm	64-65mm	66-67mm	68-69mm	70-71mm	72-73mm	74-75mm	76-77mm	78-79mm	80-81mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
... 4000 +8	skrzydło	63mm	4	6-7mm	8-9mm	10-11mm	12-13mm	14-15mm	16-17mm	18-19mm	20-21mm	22-23mm	24-25mm	26-27mm	28-29mm	30-31mm	32-33mm	34-35mm	36-37mm	38-39mm	40-41mm	42-43mm	44-45mm	46-47mm	48-49mm	50-51mm	52-53mm	54-55mm	56-57mm	58-59mm	60-61mm	62-63mm	64-65mm	66-67mm	68-69mm	70-71mm	72-73mm	74-75mm	76-77mm	78-79mm	80-81mm	82-83mm	84-85mm	86-87mm	88-89mm	90-91mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
... 2000	skrzydło	47mm	4	-	-	-	-	-	-	-	3-4mm	5-6mm	7-8mm	9-10mm	11-12mm	13-14mm	15-16mm	17-18mm	19-20mm	21-22mm	23-24mm	25-26mm	27-28mm	29-30mm	31-32mm	33-34mm	35-36mm	37-38mm	39-40mm	41-42mm	43-44mm	45-46mm	47-48mm	49-50mm	51-52mm	53-54mm	55-56mm	57-58mm	59-60mm	61-62mm	63-64mm	65-66mm	67-68mm	69-70mm	71-72mm	73-74mm	75-76mm	77-78mm	79-80mm	81-82mm	83-84mm	85-86mm	87-88mm	89-90mm	91-92mm	93-94mm	95-96mm	97-98mm	99-100mm	101-102mm	103-104mm	105-106mm	107-108mm	109-110mm	111-112mm	113-114mm	115-116mm	117-118mm	119-120mm	121-122mm	123-124mm	125-126mm	127-128mm	129-130mm	131-132mm	133-134mm	135-136mm	137-138mm	139-140mm	141-142mm	143-144mm	145-146mm	147-148mm	149-150mm	151-152mm	153-154mm	155-156mm	157-158mm	159-160mm	161-162mm	163-164mm	165-166mm	167-168mm	169-170mm	171-172mm	173-174mm	175-176mm	177-178mm	179-180mm	181-182mm	183-184mm	185-186mm	187-188mm	189-190mm	191-192mm	193-194mm	195-196mm	197-198mm	199-200mm	201-202mm	203-204mm	205-206mm	207-208mm	209-210mm	211-212mm	213-214mm	215-216mm	217-218mm	219-220mm	221-222mm	223-224mm	225-226mm	227-228mm	229-230mm	231-232mm	233-234mm	235-236mm	237-238mm	239-240mm	241-242mm	243-244mm	245-246mm	247-248mm	249-250mm	251-252mm	253-254mm	255-256mm	257-258mm	259-260mm	261-262mm	263-264mm	265-266mm	267-268mm	269-270mm	271-272mm	273-274mm	275-276mm	277-278mm	279-280mm	281-282mm	283-284mm	285-286mm	287-288mm	289-290mm	291-292mm	293-294mm	295-296mm	297-298mm	299-300mm	301-302mm	303-304mm	305-306mm	307-308mm	309-310mm	311-312mm	313-314mm	315-316mm	317-318mm	319-320mm	321-322mm	323-324mm	325-326mm	327-328mm	329-330mm	331-332mm	333-334mm	335-336mm	337-338mm	339-340mm	341-342mm	343-344mm	345-346mm	347-348mm	349-350mm	351-352mm	353-354mm	355-356mm	357-358mm	359-360mm	361-362mm	363-364mm	365-366mm	367-368mm	369-370mm	371-372mm	373-374mm	375-376mm	377-378mm	379-380mm	381-382mm	383-384mm	385-386mm	387-388mm	389-390mm	391-392mm	393-394mm	395-396mm	397-398mm	399-400mm	401-402mm	403-404mm	405-406mm	407-408mm	409-410mm	411-412mm	413-414mm	415-416mm	417-418mm	419-420mm	421-422mm	423-424mm	425-426mm	427-428mm	429-430mm	431-432mm	433-434mm	435-436mm	437-438mm	439-440mm	441-442mm	443-444mm	445-446mm	447-448mm	449-450mm	451-452mm	453-454mm	455-456mm	457-458mm	459-460mm	461-462mm	463-464mm	465-466mm	467-468mm	469-470mm	471-472mm	473-474mm	475-476mm	477-478mm	479-480mm	481-482mm	483-484mm	485-486mm	487-488mm	489-490mm	491-492mm	493-494mm	495-496mm	497-498mm	499-500mm	501-502mm	503-504mm	505-506mm	507-508mm	509-510mm	511-512mm	513-514mm	515-516mm	517-518mm	519-520mm	521-522mm	523-524mm	525-526mm	527-528mm	529-530mm	531-532mm	533-534mm	535-536mm	537-538mm	539-540mm	541-542mm	543-544mm	545-546mm	547-548mm	549-550mm	551-552mm	553-554mm	555-556mm	557-558mm	559-560mm	561-562mm	563-564mm	565-566mm	567-568mm	569-570mm	571-572mm	573-574mm	575-576mm	577-578mm	579-580mm	581-582mm	583-584mm	585-586mm	587-588mm	589-590mm	591-592mm	593-594mm	595-596mm	597-598mm	599-600mm	601-602mm	603-604mm	605-606mm	607-608mm	609-610mm	611-612mm	613-614mm	615-616mm	617-618mm	619-620mm	621-622mm	623-624mm	625-626mm	627-628mm	629-630mm	631-632mm	633-634mm	635-636mm	637-638mm	639-640mm	641-642mm	643-644mm	645-646mm	647-648mm	649-650mm	651-652mm	653-654mm	655-656mm	657-658mm	659-660mm	661-662mm	663-664mm	665-666mm	667-668mm	669-670mm	671-672mm	673-674mm	675-676mm	677-678mm	679-680mm	681-682mm	683-684mm	685-686mm	687-688mm	689-690mm	691-692mm	693-694mm	695-696mm	697-698mm	699-700mm	701-702mm	703-704mm	705-706mm	707-708mm	709-710mm	711-712mm	713-714mm	715-716mm	717-718mm	719-720mm	721-722mm	723-724mm	725-726mm	727-728mm	729-730mm	731-732mm	733-734mm	735-736mm	737-738mm	739-740mm	741-742mm	743-744mm	745-746mm	747-748mm	749-750mm	751-752mm	753-754mm	755-756mm	757-758mm	759-760mm	761-762mm	763-764mm	765-766mm	767-768mm	769-770mm	771-772mm	773-774mm	775-776mm	777-778mm	779-780mm	781-782mm	783-784mm	785-786mm	787-788mm	789-790mm	791-792mm	793-794mm	795-796mm	797-798mm	799-800mm	801-802mm	803-804mm	805-806mm	807-808mm	809-810mm	811-812mm	813-814mm	815-816mm	817-818mm	819-820mm	821-822mm	823-824mm	825-826mm	827-828mm	829-830mm	831-832mm	833-834mm	835-836mm	837-838mm	839-840mm	841-842mm	843-844mm	845-846mm	847-848mm	849-850mm	851-852mm	853-854mm	855-856mm	857-858mm	859-860mm	861-862mm	863-864mm	865-866mm	867-868mm	869-870mm	871-872mm	873-874mm	875-876mm	877-878mm	879-880mm	881-882mm	883-884mm	885-886mm	887-888mm	889-890mm	891-892mm	893-894mm	895-896mm	897-898mm	899-900mm	901-902mm	903-904mm	905-906mm	907-908mm	909-910mm	911-912mm	913-914mm	915-916mm	917-918mm	919-920mm	921-922mm	923-924mm	925-926mm	927-928mm	929-930mm	931-932mm	933-934mm	935-936mm	937-938mm	939-940mm	941-942mm	943-944mm	945-946mm	947-948mm	949-950mm	951-952mm	953-954mm	955-956mm	957-958mm	959-960mm	961-962mm	963-964mm	965-966mm	967-968mm	969-970mm	971-972mm	973-974mm	975-976mm	977-978mm	979-980mm	981-982mm	983-984mm	985-986mm	987-988mm	989-990mm	991-992mm	993-994mm	995-996mm	997-998mm	999-1000mm

listwa przyszybowa

60
■ 120220 ->60/70mm
IDEAL 2000/4000
neo (160x92)

■ 120242 ->60/70mm
1202420000020
IDEAL 2000/4000
FI 229110, 229111
PI 249335
IDEAL 7000/8000
+ IHI 680200 ->85mm.i
neo (160x92)

■ 120221 ->60/70mm
1202210000020
IDEAL 2000/4000
FI 229114, 229115
PI 249360
IDEAL 7000/8000
+ IHI 680200 ->85mm.i
neo (160x92)

70
■ 140209 ->70/85mm.a
IDEAL 4000, neo advance
IDEAL 7000/8000
+ IHI 680200 ->85mm.i

■ 140205 ->70/85mm.a
1402050000020
IDEAL 4000, neo advance
FI 229110, 229111
PI 249335
IDEAL 7000/8000
+ IHI 680200 ->85mm.i

■ 140207 ->70/85mm.a
1402070000020
IDEAL 4000, neo advance
FI 229017, 229114, 229115
PI 249360
IDEAL 7000/8000
+ IHI 680200 ->85mm.i

■ 140208 ->70/85mm
1402080009820
IDEAL 4000/7000/8000,
neo advance
FI 1. 229114, 229115
2. 259010, 259011
PI 249310

■ 140206 ->70/85mm
1402060000020
IFEAL 4000/7000/8000,
neo advance
FI 229114, 229115

■ 140227 ->70mm
IDEAL 4000

76
■ 160201 ->76/85mm
neo prime, neo advance,
IDEAL 7000/8000

■ 160202 ->76/85mm
1602020000020
neo prime, neo advance,
IDEAL 7000/8000
FI 229098, 229100, 229101
PI 249335

■ 160203 ->76/85mm
1602030000020
neo prime, neo advance,
IDEAL 7000/8000
FI 229114, 229115
PI 249360

■ 160204 ->76/85mm
1602040000020
neo prime, neo advance,
IDEAL 7000/8000
FI 229114, 229115
PI 249310

74
■ 160227 ->76mm
neo prime

85
■ 180209 ->85mm
IDEAL 7000/8000, neo advance

■ 180201 ->85mm
1802010009820
IDEAL 7000/8000, neo advance
FI 229098, 229100, 229101
PI 249335

■ 180203 ->85mm
1802030009820
IDEAL 7000/8000, neo advance
FI 229114, 229115
PI 249360

■ 180204 ->85mm
1802040009820
IDEAL 7000/8000, neo advance
FI 229114, 229115
PI 249310

■ 180227 ->85mm
IDEAL 7000/8000, neo advance

88
■ 140227 ->70mm
IDEAL 4000

43
■ 120238 ->60/70mm
IDEAL 2000/4000
FI 1. 239030
2. 239129
neo (160x92)

■ 120223 ->60/70mm
1202230000020
IDEAL 2000/4000
FI 1./3. 229114, 229115
2. 229110, 229111
IDEAL 7000/8000
+ IHI 680200 ->85mm.i
neo (160x92)

60
■ 160223 ->76/85mm
1602230000020
neo prime, neo advance,
IDEAL 7000/8000
FI 229114, 229115

■ 160225 ->76/85mm
neo prime, neo advance,
IDEAL 7000/8000
FI 249014, 249015, 259105,
259106, 259107

■ 160226 ->76/85mm
1602260000020
neo prime, neo advance,
IDEAL 7000/8000
FI 1./3. 229114, 229115
2. 249009

85
■ 144216 ->70/76/85mm
1442160000020
neo prime, neo advance,
IDEAL 4000/7000/8000

■ 144215
■ 144247
■ 144239

100
■ 140279 ->70/76/85mm.i
neo prime, neo advance,
IDEAL 4000,
IDEAL 7000,
IDEAL 8000

130
■ 120223 ->60/70mm
1202230000020
IDEAL 2000/4000
FI 1./3. 229114, 229115
2. 229110, 229111
IDEAL 7000/8000
+ IHI 680200 ->85mm.i
neo (160x92)

140
■ 160226 ->76/85mm
1602260000020
neo prime, neo advance,
IDEAL 7000/8000
FI 1./3. 229114, 229115
2. 249009

FI patrz plan:
wzmocnienie
IHI elementy montażowe

■ 680200 ->85mm.i +
120221, 120223,
120242, 140205,
140207, 140209

■ 644299
XI 469299,
742299,
762299,
782299

■ 682333
uniwersalne
-> poszerzenie

■ 640331
występ
30mm ->100kg
50mm ->60kg
70mm ->30kg

■ 282017 -> IHI
energeto neo + powerdur
energeto 8000 + powerdur

■ 620410
-> uniwersalne

■ 680414
-> 080x04,
180x04

PI **aluskin** nakładka aluminiowa
PI -> poszerzenie

■ 130211 cza
■ 130212 pbi

■ 120106
■ 120107
XI 447340, 449340,
447042, 449042,
447343, 449343

■ 160212

■ 140279
->70/76/85mm.i
neo prime, neo advance,
IDEAL 4000,
IDEAL 7000,
IDEAL 8000

■ 742299 cza
->70mm
-> poszerzenie
IHI 644299

■ 762299 cza
->76mm
-> poszerzenie
IHI 644299

■ 782299 cza
->85mm
-> poszerzenie
IHI 644299

I-30m
■ 469299 cza TPE
->76mm
-> poszerzenie
IHI 644299

I-24m
■ 690060 ->60mm
■ 690070 ->70mm
■ 690076 ->76mm
■ 690085 ->85mm
-> poszerzenie

■ 449340 cza
447340 pbi
standard
-> 120107

■ 449042 TPE
447042 cza
alternatywa
-> 120107

■ 449343 cza
447343 pbi
opcja
-> 120107

ZI pozostałe dodatki

■ 680299
~13/17x20x1000mm
-> 184247

■ nie występuje w kolorze / okleinie
■ występuje w kolorze / okleinie
■ foam inside -> IHI

-> do
zie zielony
cza czarny
pbi papirusowa biel

■ system z uszczelnieniem zewnętrznym
■ system z uszczelnieniem środkowym

głębokość zabudowy
->60mm ~ IHI IDEAL 2000 / neo (160x92)
->70mm ~ IHI IDEAL 4000
->76mm ~ IHI / IHI neo prime / france / view
->85mm.a ~ IHI / IHI neo advance
->85mm.i ~ IHI IDEAL 7000 / IHI IDEAL 8000
->120mm ~ (MB) / (NL)

SL długość widoczna
AU obwód zewnętrzny

łączeni

120116 3mm
449140 cza
447140 pbi
-IXI uszczelka

120224 6mm
449141 cza
- pbi
-IXI uszczelka
IPI aluskin

120224 ->76mm neo prime
IF 1x 209901 s=1.5mm, lx=4.9cm⁴
2x 209901 s=1.5mm, lx=9.8cm⁴
IH 682338, 682339

120224 ->85mm.i IDEAL 7000/8000
IF 1x 289018 s=1.5mm, lx=6.2cm⁴
2x 289018 s=1.5mm, lx=12.4cm⁴
IH 682330, 682331, 682340, 682341

140203 ->70mm IDEAL 4000

120217 ->60mm IDEAL 2000 / neo (160x92)

140267 ->70mm IDEAL 4000
IF 1x 209900 s=1.5mm, lx=7.3cm⁴
2x 209900 s=1.5mm, lx=14.6cm⁴
IH 682330, 682331, 682340, 682341

160267 ->76mm neo prime
IF 1x 209900 s=1.5mm, lx=7.3cm⁴
2x 209900 s=1.5mm, lx=14.6cm⁴
IH 682330, 682331, 682340, 682341

160267 ->76mm neo prime
IF 1x 209900 s=1.5mm, lx=7.3cm⁴
2x 209900 s=1.5mm, lx=14.6cm⁴
IH 682330, 682331, 682340, 682341

180267 ->85mm IDEAL 7000/8000, neo advance
IF 1. 1x 209900 s=1.5mm, lx=7.3cm⁴
1. 2x 209900 s=1.5mm, lx=14.6cm⁴
->85mm.i IDEAL 7000/8000
IF 2. 1x 289018 s=1.5mm, lx=6.2cm⁴
2. 2x 289018 s=1.5mm, lx=12.4cm⁴
IH 682330, 682331, 682340, 682341

120219 ->60/70/76/85mm
IDEAL 2000/4000/7000/8000, neo prime, neo advance
IF 1x 229019 s=2.0mm, lx=43.3cm⁴, z otworami
2x 229019 s=2.0mm, lx=86.6cm⁴, z otworami
IH 622019, 642025, 645050

120218 120218
->60mm IDEAL 2000 / neo (160x92)
IF 229018 s=2.5mm, lx=24.8cm⁴ T-01
IF 229010 s=3.0mm, lx=9.9cm⁴
IF stal 70mm s=6.0mm, lx=17.1cm⁴
IH 622338, 622354, 682332, 682335

140218 140218
->70mm IDEAL 4000
IF 289218 s=2.0mm, lx=37.0cm⁴
IF 229010 s=3.0mm, lx=9.9cm⁴ T-01
IF stal 70mm s=6.0mm, lx=17.1cm⁴
IH 622338, 622354, 682332, 682335

160218 160218
->76mm neo prime
IF 229018 s=2.5mm, lx=24.8cm⁴
IF 289218 s=2.0mm, lx=37.0cm⁴
IF 229010 s=3.0mm, lx=9.9cm⁴ T-01
IF stal 70mm s=6.0mm, lx=17.1cm⁴
IH 622338, 622354, 682332, 682335

180218 180218
->85mm IDEAL 7000/8000, neo advance
IF 229018 s=2.5mm, lx=24.8cm⁴
IF 289218 s=2.0mm, lx=37.0cm⁴
IF 229010 s=3.0mm, lx=9.9cm⁴ T-01
IF stal 70mm s=6.0mm, lx=17.1cm⁴
IH 622338, 622354, 682332, 682335

140268 (CL) IA 640301
IF stal ~ 115x40x3mm, lx=135cm⁴
PI 249343
IXI 447348, 449348
IXI 477025, 479025

120275 90° ->60mm
IDEAL 2000 / neo (160x92)
IF 229040 s=2.0mm, lx=7.0cm⁴
IH 622041

160248 90° ->60/70/76/85mm
1602480009820
IDEAL 2000/4000/7000/8000, neo prime, neo advance
IF 229040 s=2.0mm, lx=7.0cm⁴
IH 622041
PI 249448

140249 135° ->60/70/76/85mm.i
IDEAL 2000/4000/7000/8000, neo prime
IF 249242 s=2.0mm, lx=2.9cm⁴
IH 622142

120240 ->60/70mm
IDEAL 2000/4000 neo (160x92)

140243 ->70mm
IDEAL 4000
IXI 447340, 449340, 447042, 449042

120241 ->60/70mm
IDEAL 2000/4000 neo (160x92)
IF 229140 s=3.25mm, lx=11.7cm⁴
IH 622140

140244 ->70/76/85mm
IDEAL 4000/7000/8000, neo prime, neo advance
IF 249244 s=3.2mm, lx=23.5cm⁴
IH 622333

140244 ->70/76/85mm
IDEAL 4000/7000/8000, neo prime, neo advance
IF 249244 s=3.2mm, lx=23.5cm⁴
IH 622333

lx [cm ⁴]
-> 120218, 140218, 1602180000020, 1802180000020
IF 229018 = 24.8cm ⁴
IF 229018 + IF 229010 = 34.7cm ⁴
IF 229018 + IF stal 70x6 = 41.9cm ⁴
-> 140218, 1602180000020, 1802180000020
IF 289218 = 37.0cm ⁴
IF 289218 + IF 229010 = 46.9cm ⁴
IF 289218 + IF stal 70x6 = 54.1cm ⁴

profile statyczne

120109
IF 1. 229114 s=1.5mm, lx=4.0cm⁴
1. 229115 s=2.0mm, lx=5.1cm⁴
2. 229125 s=2.0mm, lx=12.1cm⁴
2. 229126 s=3.0mm, lx=16.8cm⁴
3. 259926 s=2.0mm, lx=18.7cm⁴
IH 622104 -> IF 229125, 229126, 259926

dodatki

IAI podkładka do szklenia -> 55

640302 nie 2x50x100mm -> łącznik
640301 cze 0mm -> 140268

FI patrz plan: wzmacnienie
IH elementy montażowe

cza **642025** 3mm uniwersalne -> łącznik
zie **645050** 5mm uniwersalne -> łącznik
622104 IF 229125, 229126, 259926 -> 120109

622140 IF 229140 -> 120241
622333 IF 249244 -> 140244
622041 IF 229040 -> 120275, 160248
622142 IF 249242 -> 140249

622338 IF 229018, 289218 -> 120218, 140218, 140218, 160218, ...0020, 180218, ...0020
622354 1) IF 229018, 289218 -> 120218, 140218, 140218, 160218, ...0020, 180218, ...0020
682332 IF 229018, 289218 -> 120218, 140218, 140218, 160218, ...0020, 180218, ...0020
682335 1) IF 229018, 289218 -> 120218, 140218, 140218, 160218, ...0020, 180218, ...0020

622019 IF 229019 -> 120219
682338 IF 209901 -> 120224, 160267
682339 1) IF 209901 -> 120224, 160267

682330 IF 209900, 289018 -> 120224, 140267, 160267, 180267
682340 1) IF 209900, 289018 -> 120224, 140267, 160267, 180267
682331 IF 209900, 289018 -> 120224, 140267, 160267, 180267
682341 1) IF 209900, 289018 -> 120224, 140267, 160267, 180267

1) uniwersalnego -> skrzynka rolety
IPI aluskin nakładka aluminiowa
IPI -> łącznik

249448 (CL) -> 160248
249343 (CL) -> 140268

ISI profile alu.

289210 (CL) + **289211** (CL)
ISI 289211
-> np. 140218, 180218...0020
IXI uszczelka

449140 cza
447140 pbi
-łącznik

459905 cza
- pbi
-> 120224

449141 cza
- pbi
-łącznik

459922 cza
457922 pbi
ISI 289211

449340 cza
447340 pbi
standard -> 140243

479025 cza
477025 pbi
standard -> 140268

449141 cza
- pbi
-łącznik

449042 cza
447042 pbi
-> 140243

449348 cza
447348 pbi
-> 140268 + IPI

3 3mm
6 6mm

AD ~wrzą szybowy
☐ nie występuje w kolorze / okleinie
■ występuje w kolorze / okleinie
foam inside -> ☑

-> do
nie niebieski
zie zielony
cze czerwony
cza czarny
pbi papirusowa biel

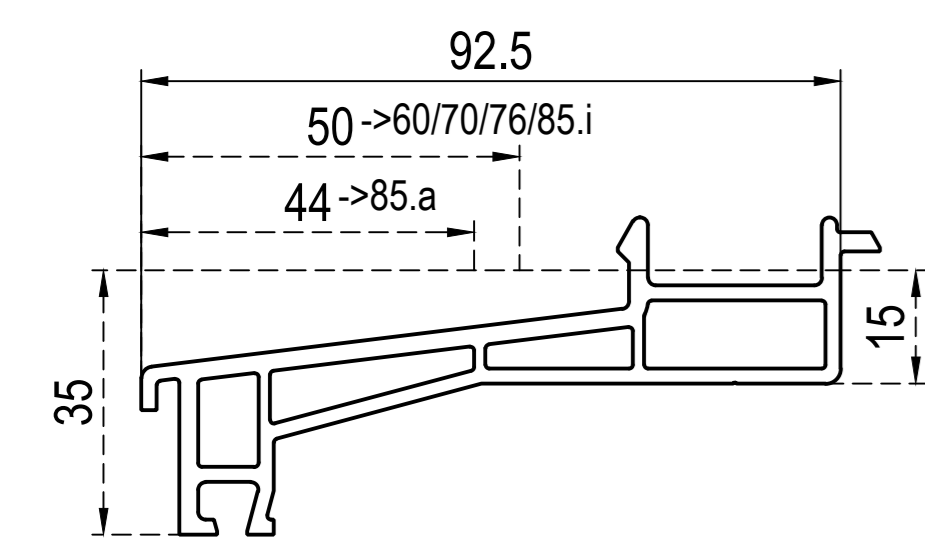
AD system z uszczelnieniem zewnętrznym
MD system z uszczelnieniem środkowym

głębokość zabudowy
->60mm ~ **AD** IDEAL 2000 / neo (160x92)
->70mm ~ **AD** IDEAL 4000
->76mm ~ **AD** / **MD** neo prime / france / view
->85mm.a ~ **AD** / **MD** neo advance
->85mm.i ~ **AD** IDEAL 7000 / **MD** IDEAL 8000
->120mm ~ (MB) / (NL)

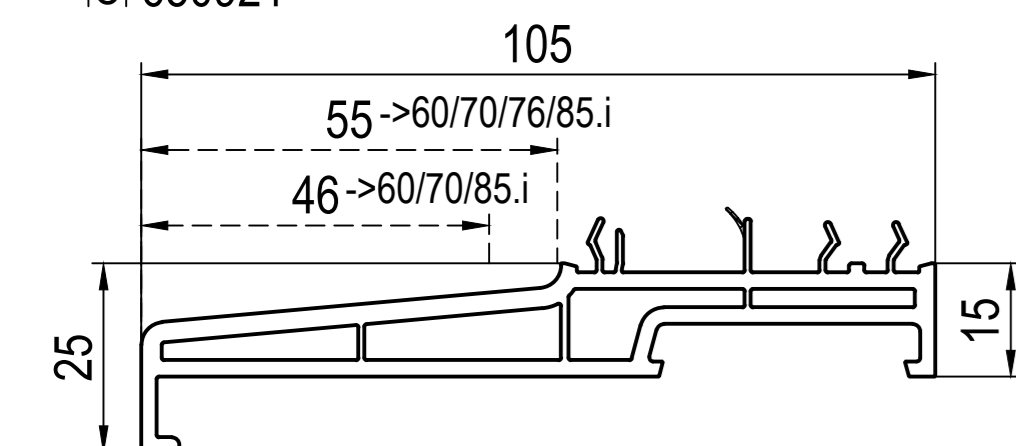
SL 177mm AU 467mm
SL 142mm AU 276mm

SL długość widoczna
AU obwód zewnętrzny

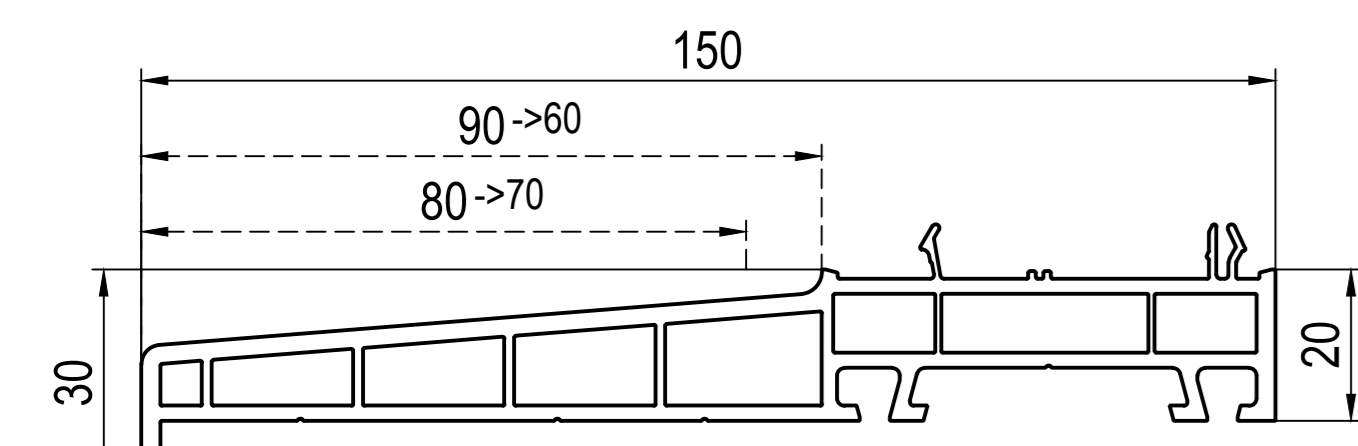
parapety zewnętrzne



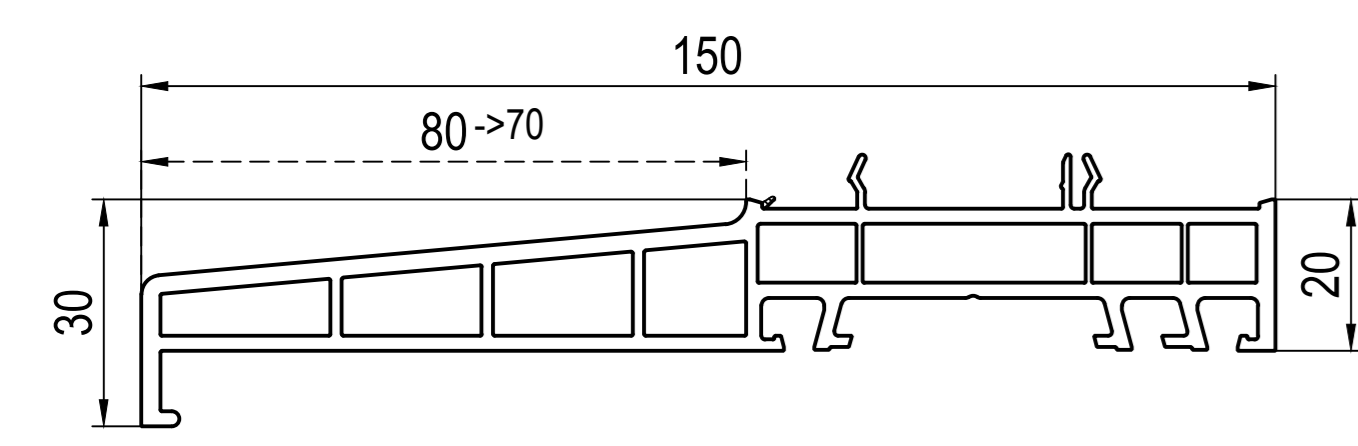
■ 120246 IDEAL 2000/4000/7000/8000, neo prime, neo advance
ICI 650921



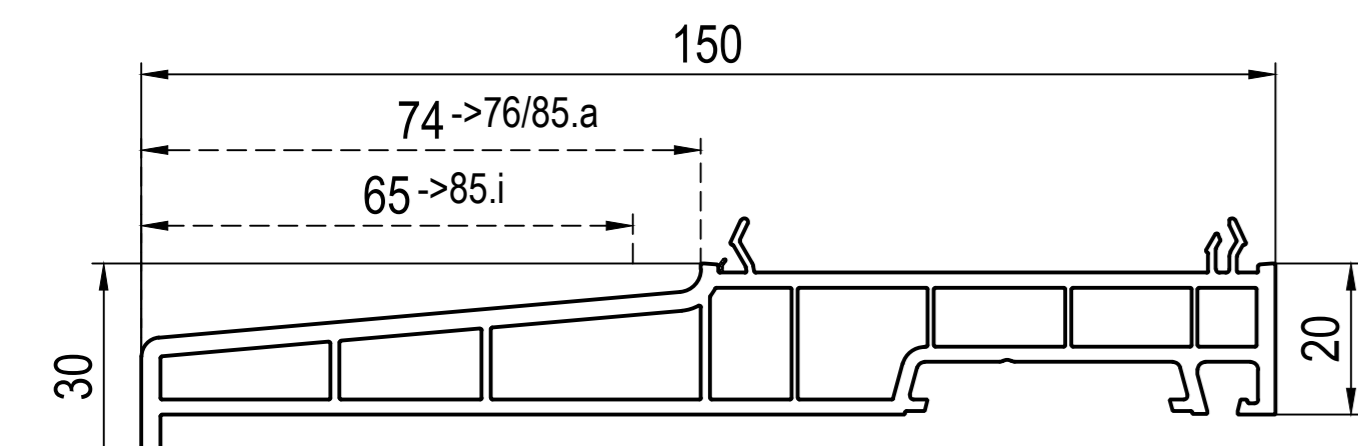
■ 120248 IDEAL 2000/4000/7000/8000, neo prime
ICI 620249, 640238



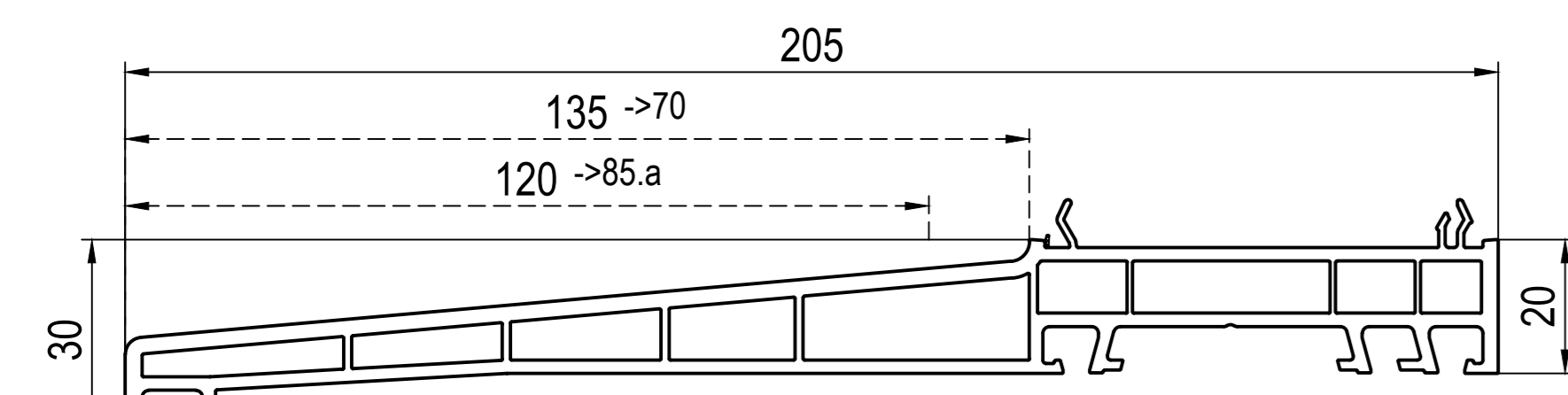
■ 120249 IDEAL 2000/4000 / neo (160x92)
->60/70mm
ICI 640238



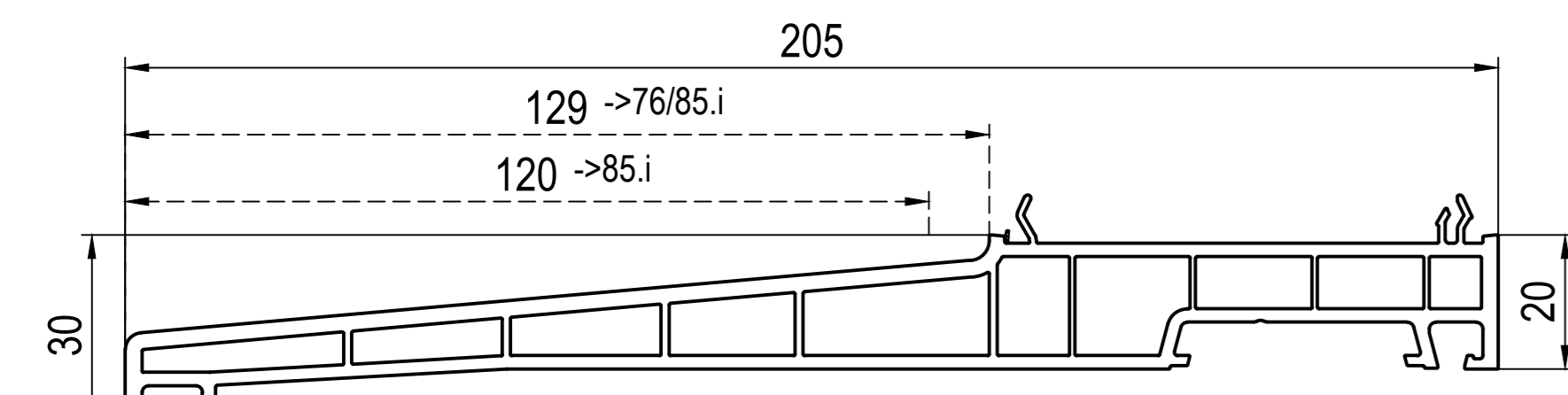
■ 140238 IDEAL 4000
->70mm
ICI 640238



■ 160238 IDEAL 7000/8000, neo prime, neo advance
->76/85mm
ICI 640238

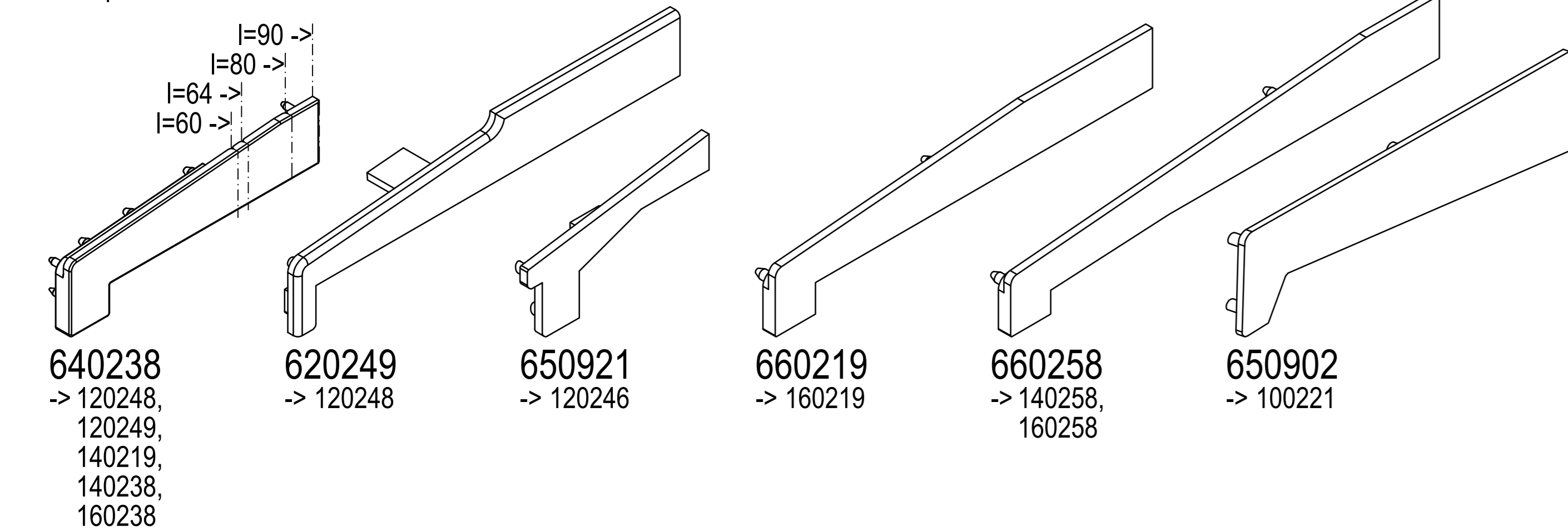


■ 140258 IDEAL 4000, neo advance
->70/85mm.a
ICI 660258



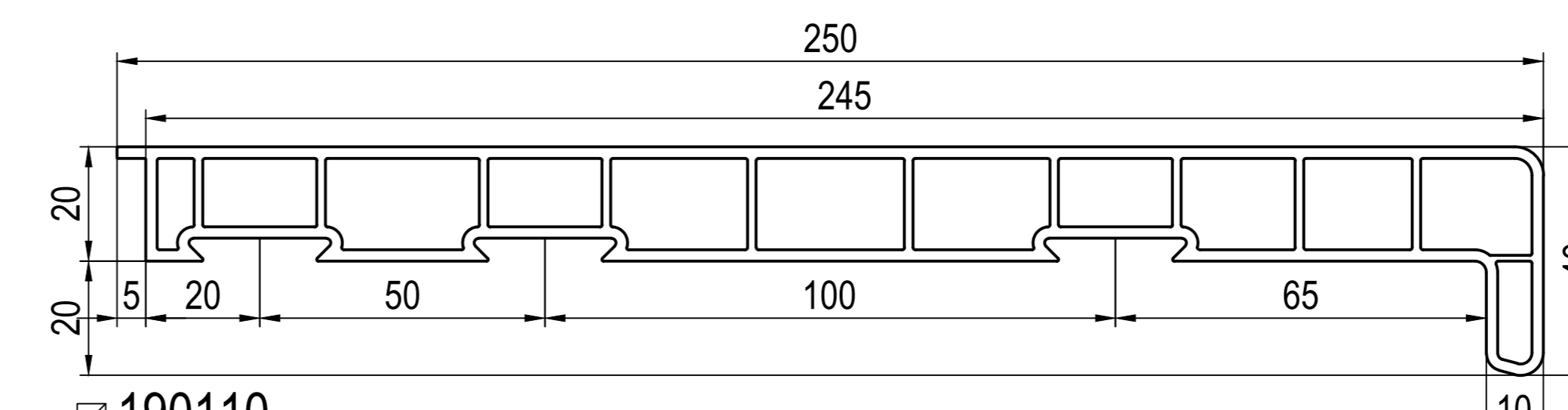
■ 160258 IDEAL 7000/8000, neo prime
->76/85mm.i
ICI 660258

dodatki
ICI zaślápka

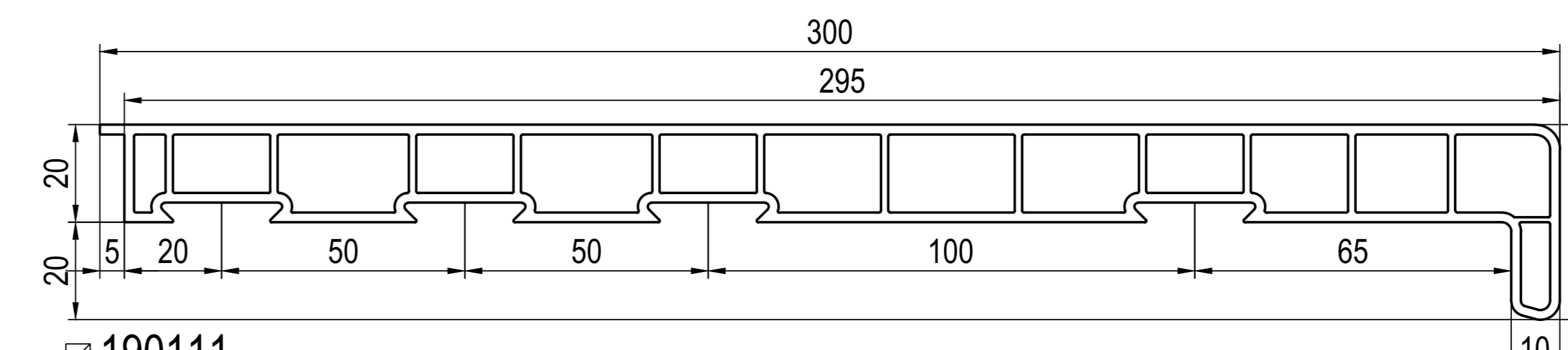


640238 -> 120248, 120249, 140219, 140238, 160238
620249 -> 120248
650921 -> 120246
660219 -> 160219
660258 -> 140258, 160258
650902 -> 100221

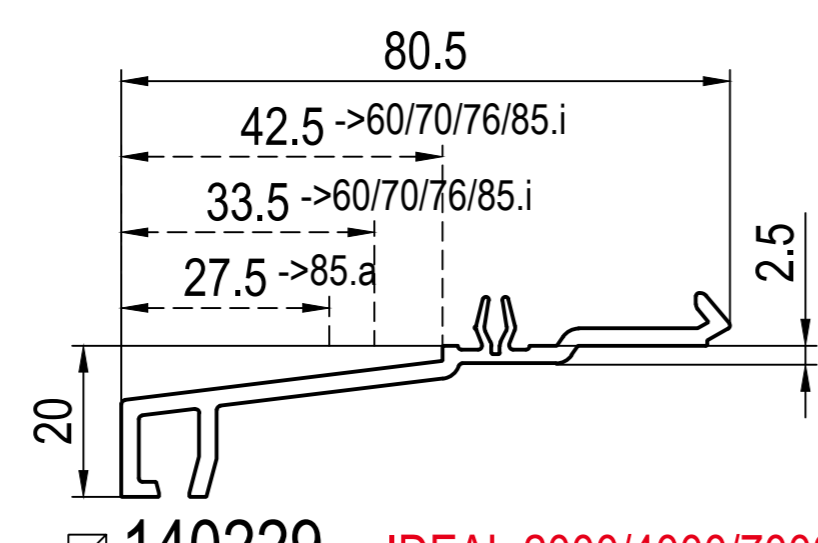
parapety wewnętrzne



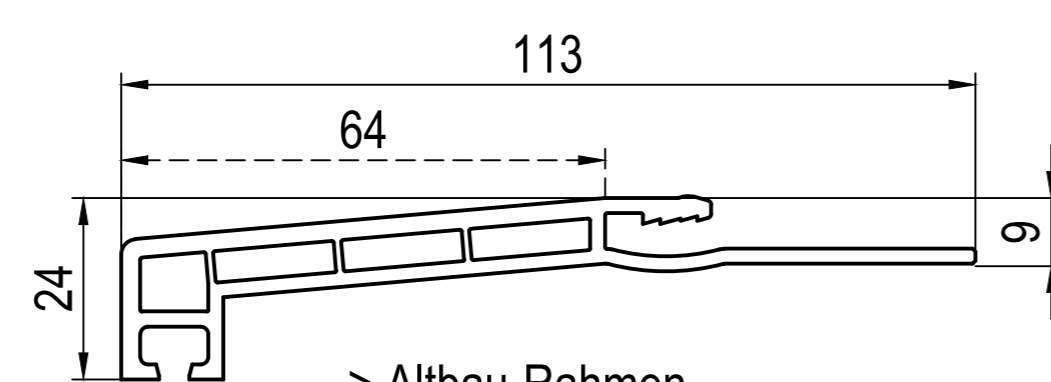
□ 190110
ICI 610911 obcięty



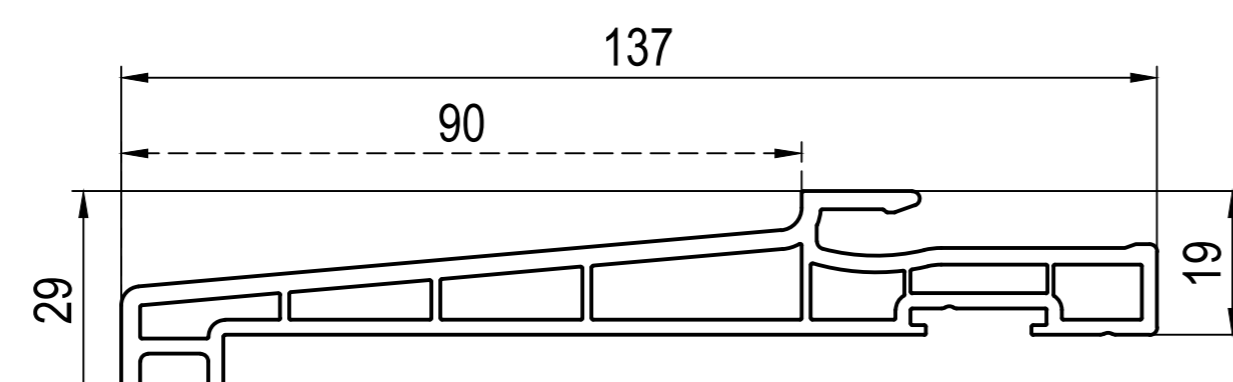
□ 190111
ICI 610911



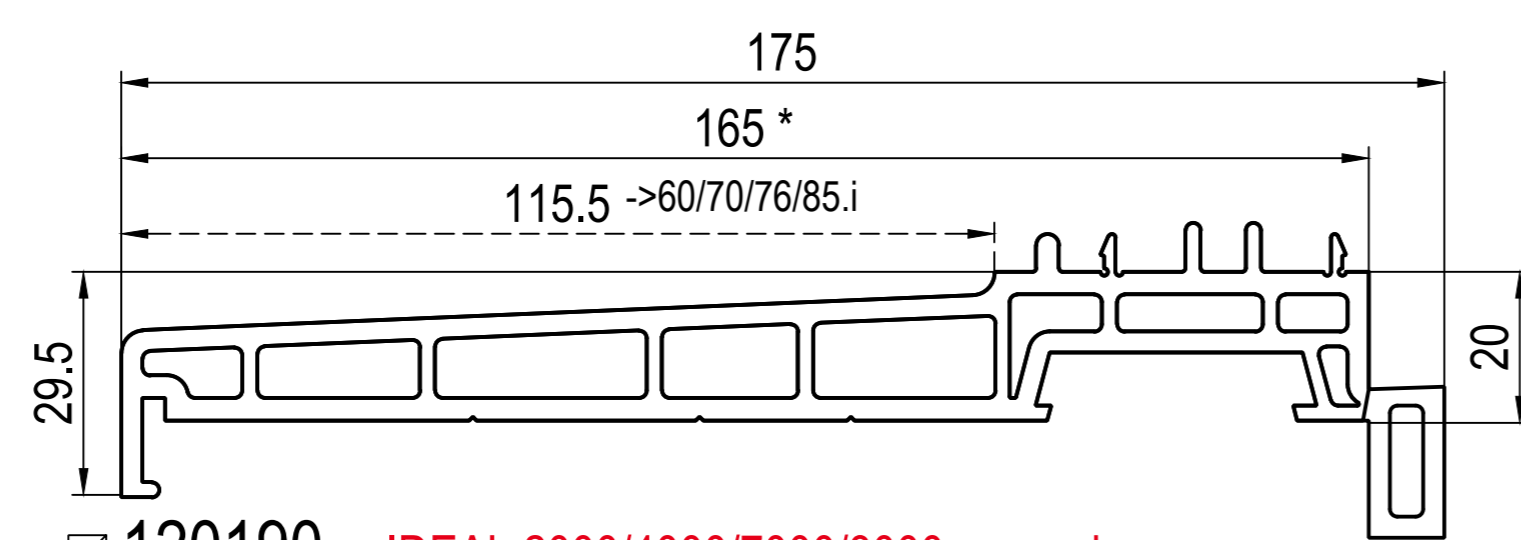
□ 140229 IDEAL 2000/4000/7000/8000, neo prime, neo advance



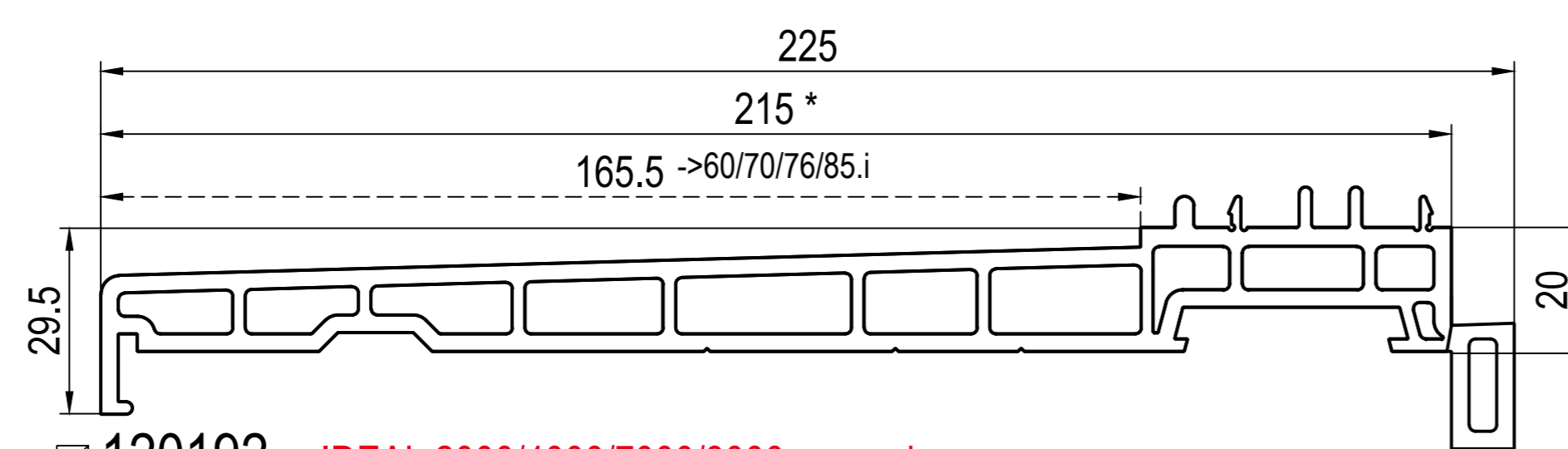
■ 140219 -> Altbau-Rahmen
IDEAL 4000, neo prime, ...
-> 140x050000011, 140x11, 140x13, 140x17,
140x090000011, 160x09, ...
ICI 640238



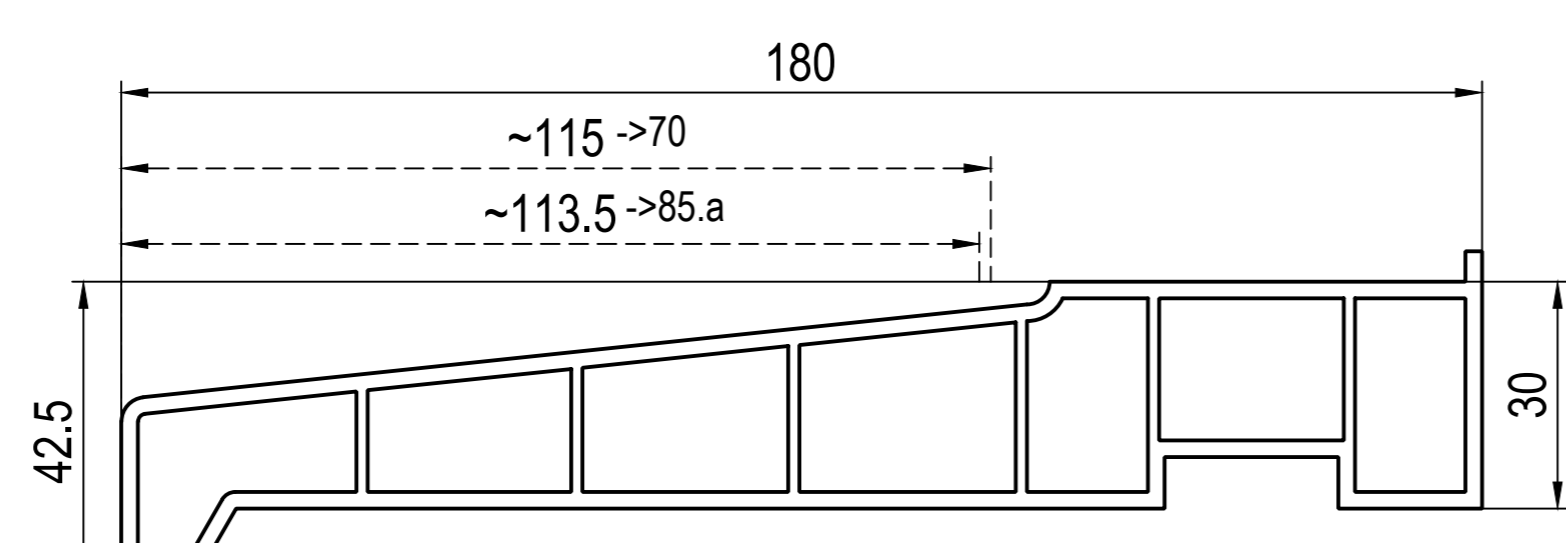
■ 160219 -> Altbau-Rahmen
IDEAL 4000, neo prime, ...
-> 140x050000011, 140x11, 140x13, 140x17,
140x090000011, 160x09, ...
ICI 660219



□ 120190 IDEAL 2000/4000/7000/8000, neo prime
* 1201900000011 = obcięty

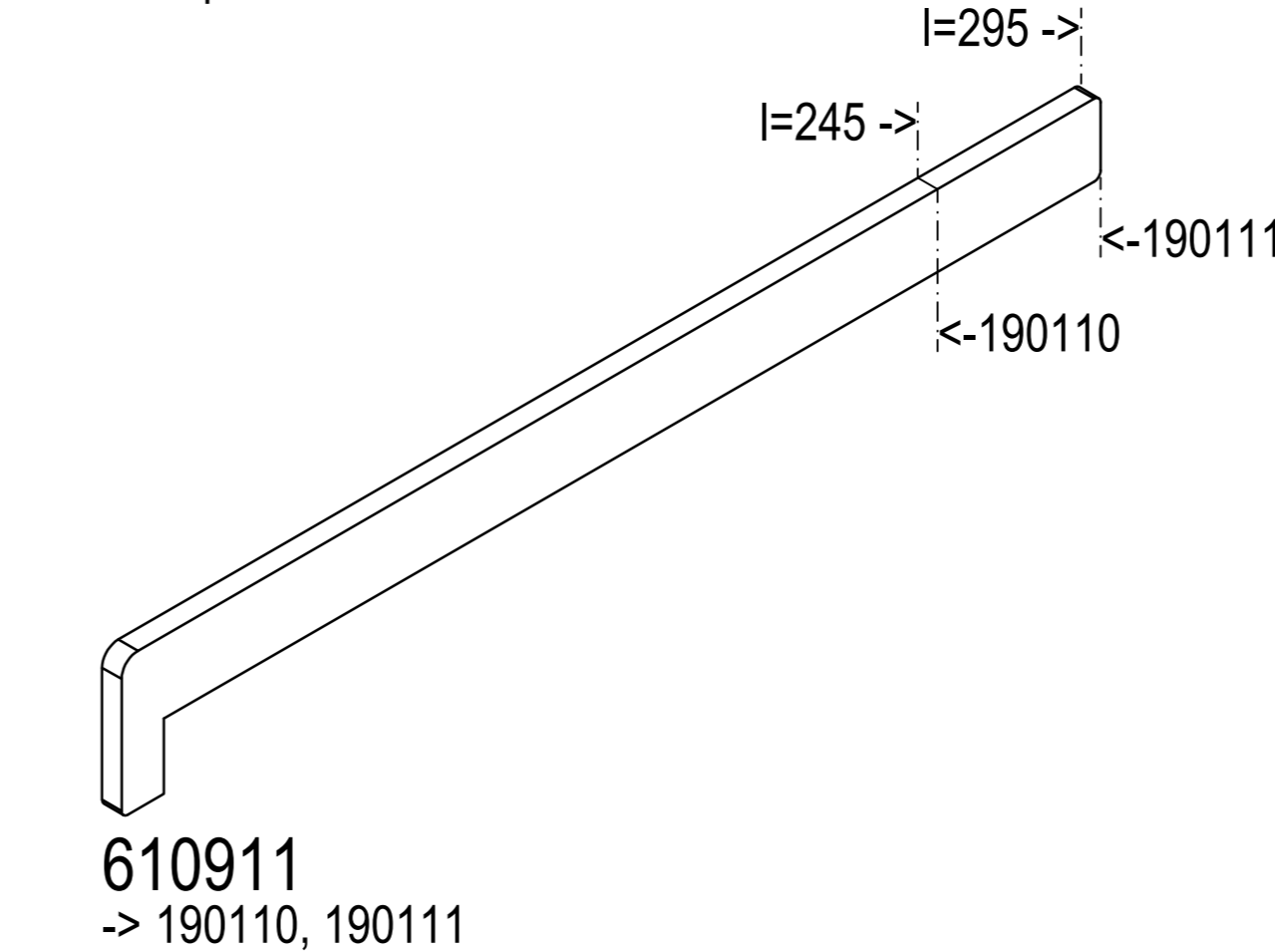


□ 120192 IDEAL 2000/4000/7000/8000, neo prime
* 1201920000011 = obcięty



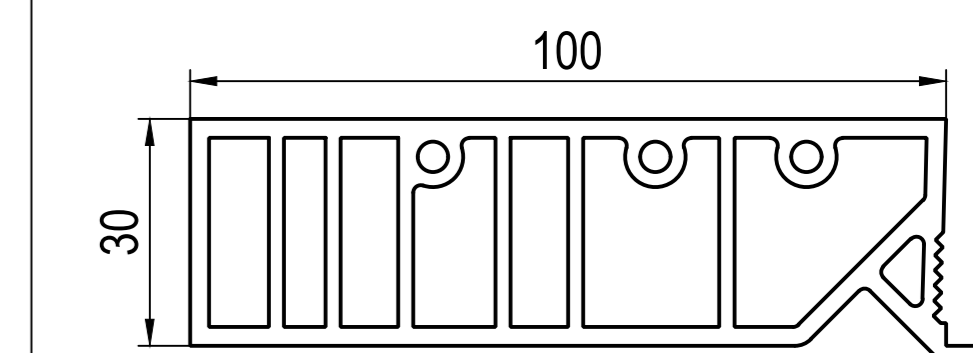
□ 100221 IDEAL 4000, neo advance
->70/85mm.a
ICI 650902

dodatki
ICI zaślápka

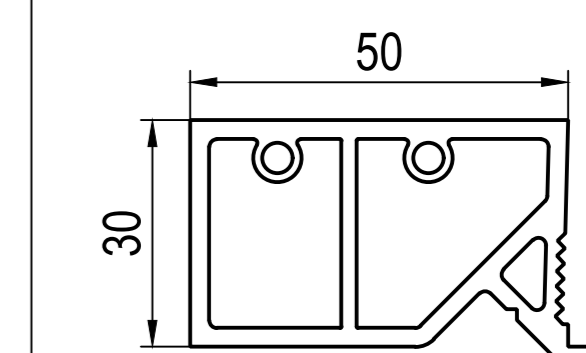


610911
-> 190110, 190111

ościeża



■ 120112



□ 120113

parapety zewnętrzne
parapety wewnętrzne
ościeża

- nie występuje w kolorze / okleinie
- występuje w kolorze / okleinie

-> do

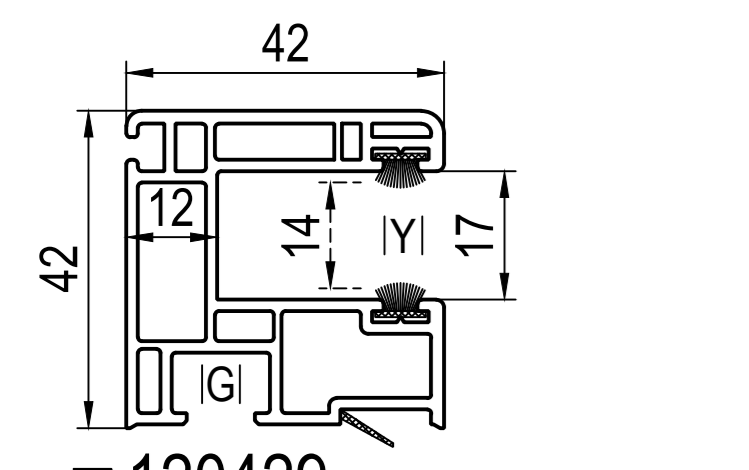
- MB system z uszczelnieniem zewnętrznym
- MD system z uszczelnieniem środkowym

- głębokość zabudowy
- >60mm ~ MB IDEAL 2000 / neo (160x92)
- >70mm ~ MD IDEAL 4000
- >76mm ~ MB / MD neo prime / france / view
- >85mm.a ~ MB / MD neo advance
- >85mm.i ~ MB IDEAL 7000 / MD IDEAL 8000
- >120mm ~ (MB) / (NL)

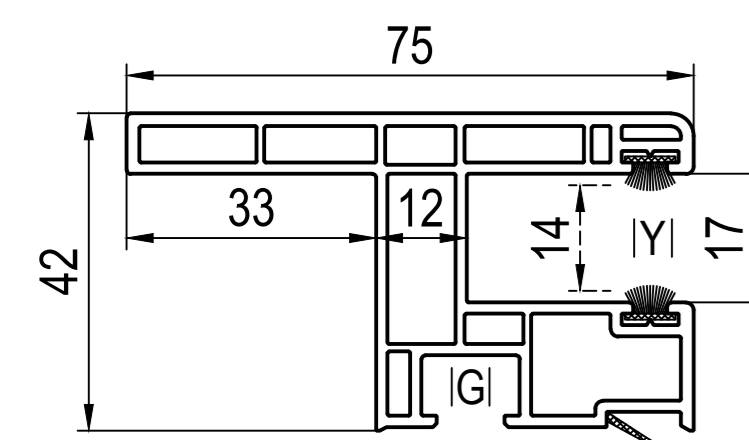
przewodnice rolet

przewodnice rolet

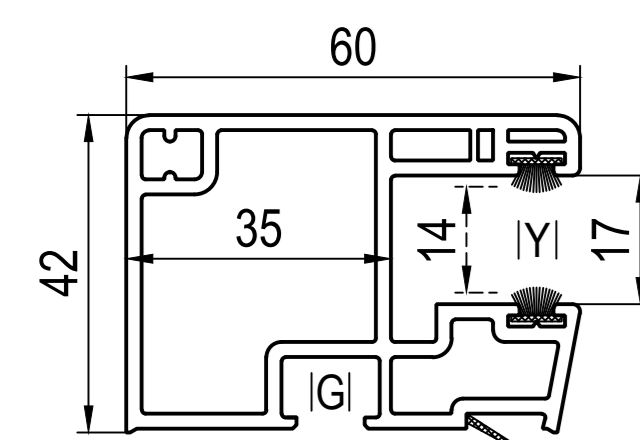
-> maxi-L



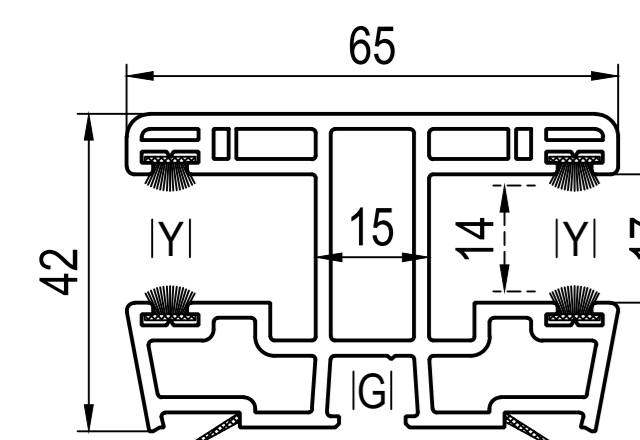
■ 120429 cza
-> maxi-L
IBI 620042, 620044
CI 620032
GI 652923



■ 190433 cza
-> maxi-L
IBI 620042, 620044
CI -
GI 652923



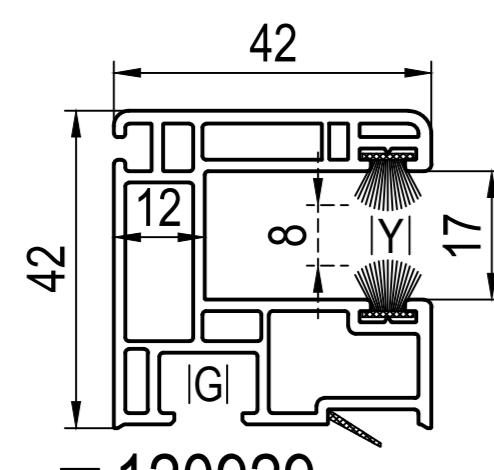
■ 190430 cza
-> maxi-L
IBI 620038
CI 690030
GI 652923



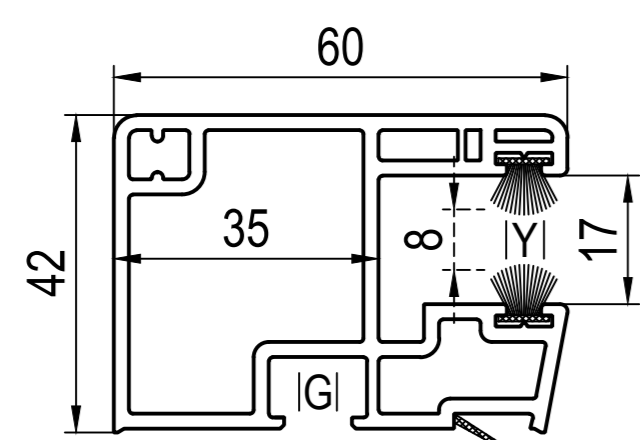
■ 190435 cza
-> maxi-L
IBI 620038
CI 690035
GI 652923

przewodnice rolet

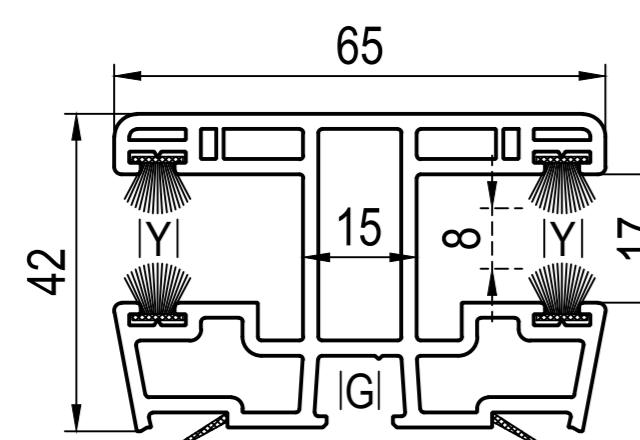
-> mini-L



■ 120929 cza
-> mini-L
IBI 620042, 620044
CI 620032
GI 652923



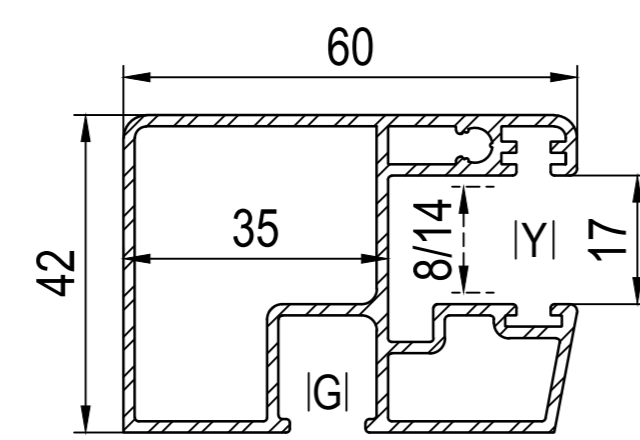
■ 190930 cza
-> mini-L
IBI 620038
CI 690030
GI 652923



■ 190935 cza
-> mini-L
IBI 620038
CI 690035
GI 652923

alu

IRI aluminiowe przewodnice rolet bez uszczelek szczotkowych



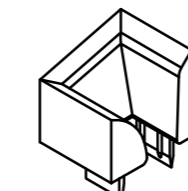
■ 260406 cza
-> mini-L
IBI 620038 SL 100mm
CI - AU 333mm
GI 659923 GU 579mm
YI 459930 -> maxi-L
YI 459932 -> mini-L

dodatki

IBI ślizgi / lejki prowadzące



620044 -> 120429, 120929, 190433
-> trawersy rolet 120230
620042 -> 120429, 120929, 190433

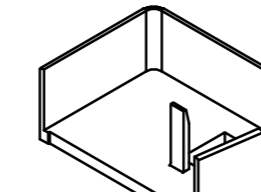


620038 -> 190430, 190930, 190435, 190935
IRI 260406

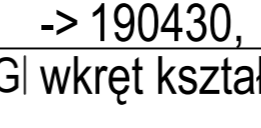
CI zaślapka



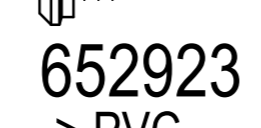
620032 -> 120429, 120929



690030 -> 190430, 190930
GI wkręt kształtowy / klips
690035 -> 190435, 190935



652923 -> PVC
-> 120429, 120929, 190430, 190930, 190433, 190435, 190935



659923 -> aluminium
IRI 260406

YI uszczelka szczotkowa



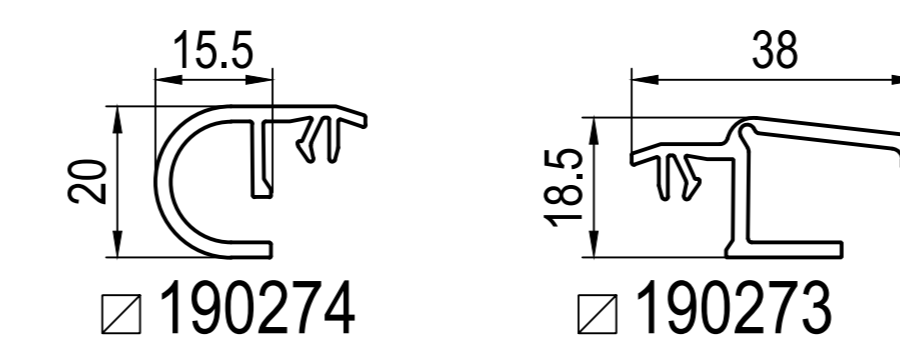
459930 cza -> maxi-L
IRI 260406



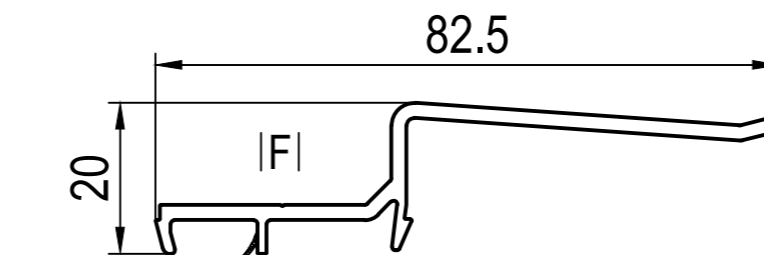
459932 cza -> mini-L
IRI 260406

rolety

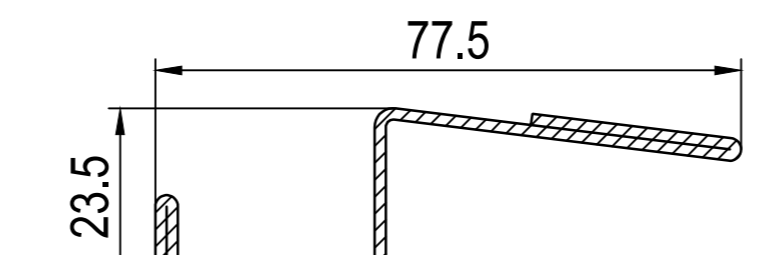
trawersy rolet



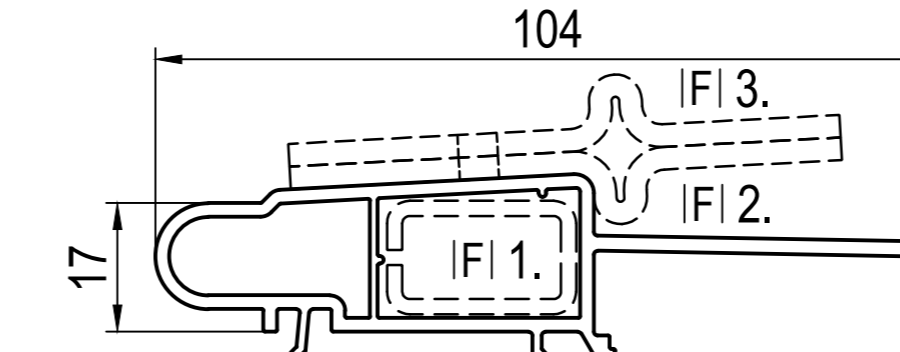
190274 190273



144233 IFI 249234



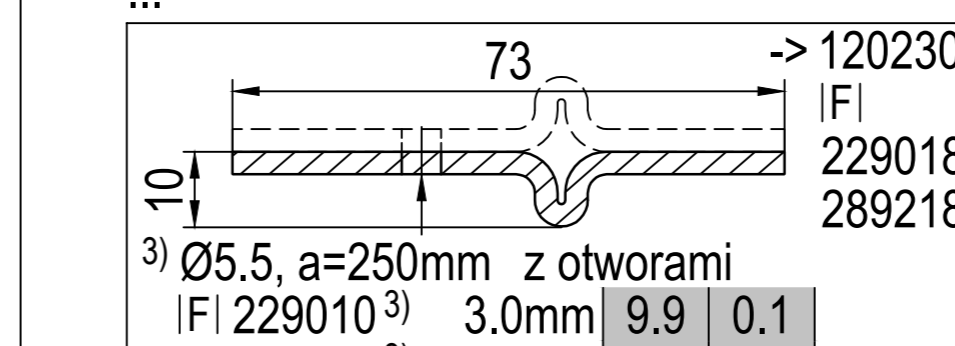
249234 s=1.5mm, lx=12.6cm⁴



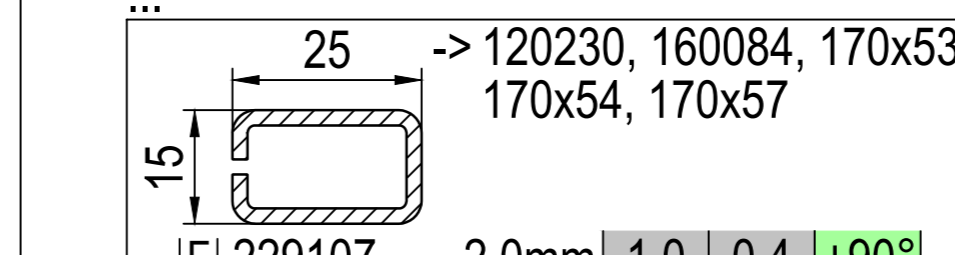
120230
IFI 1. 229107 s=2.0mm, lx=1.0cm⁴
2. 229010 s=3.0mm, lx=9.9cm⁴
3. 2x 229010 s=3.0mm, lx=19.7cm⁴

dodatki

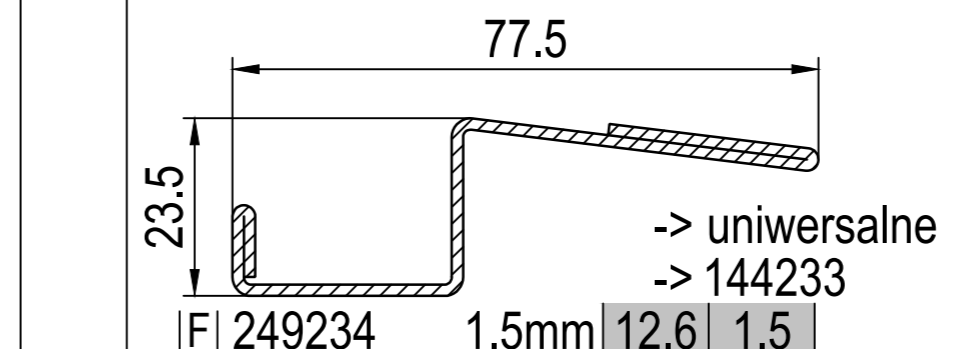
IFI wzmocnienie s | lx | ly



3) Ø5.5, a=250mm z otworami
IFI 229010³⁾ 3.0mm 9.9 0.1
IFI 229010³⁾ 2x3.0mm 19.7 0.2



IFI 229107 2.0mm 1.0 0.4 +90°

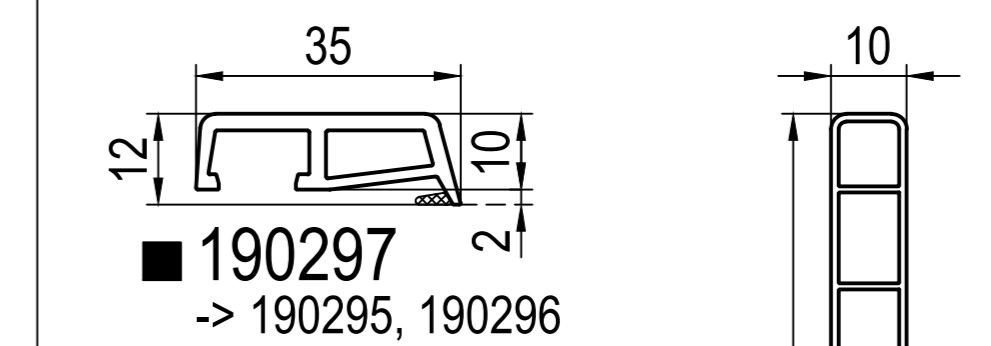


249234 1.5mm 12.6 1.5
-> uniwersalne -> 144233

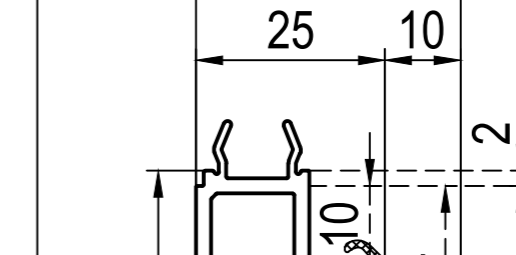
patrz plan: wzmocnienie

skrzynki renowacyjne / cassonetti

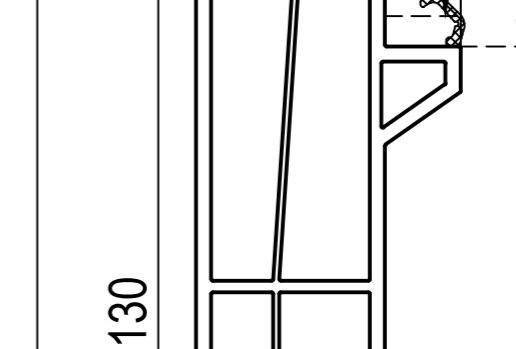
skrzynka renowacyjna



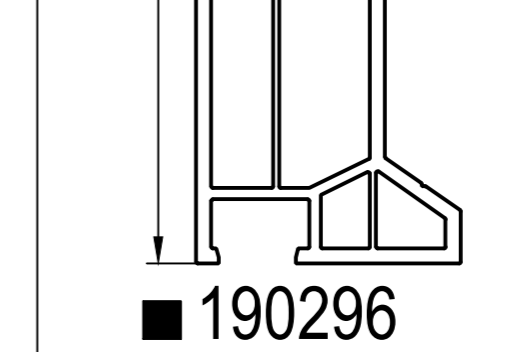
190297 -> 190295, 190296



190296 -> 190295, 190297



140235 140240 -> 140235



190295 -> 190296, 190297

□ nie występuje w kolorze / okleinie
■ występuje w kolorze / okleinie

-> do

lamel / pancarz
mini-L ~ 8x37mm
maxi-L ~ 14x52mm

uszczelka szczotkowa
cza czarny

SL długość widoczna

AU obwód zewnętrzny

GU obwód całkowity

UI progi aluminiowe (NL) / (MB) standard neo advance / neo view / neo prime IDEAL 8000 / 7000 / 4000 / 2000
287070 sz 120x20mm
277070 sz 85x20mm
267070 sz 76x20mm
247070 sz 70x20mm
227070 sz 60x20mm

neo prime neo view
267079 UI 267070 IDEAL 8000
287062 komplet l=6m UI 247070, 267070, 277070, 287070 IDEAL 4000
249062 CI 646062 UI 247070, 267070, 277070, 287070, 447340, 449340, 447042, 449042, 447343, 449343 -> otwierane na zewnątrz

neo prime / france neo prime dodatki
267071 UI 267070, 277070, 287070, 277070, 287070, 277070, 287070, 277070, 287070, 277070, 287070, 277070, 287070, 277070, 287070
277071 UI 277070, 287070, 277070, 287070, 277070, 287070, 277070, 287070, 277070, 287070, 277070, 287070, 277070, 287070
287072 UI 287070, 277070, 287070, 277070, 287070, 277070, 287070, 277070, 287070, 277070, 287070, 277070, 287070, 277070, 287070
247071 UI 247070, 267070, 277070, 287070, 247070, 267070, 277070, 287070, 247070, 267070, 277070, 287070, 247070, 267070, 277070, 287070
247072 UI 247070, 267070, 277070, 287070, 247070, 267070, 277070, 287070, 247070, 267070, 277070, 287070, 247070, 267070, 277070, 287070

ITi okapniki aluminiowe neo prime / france neo advance neo prime dodatki
267055 CI 666055, 666056, 666073 UI 666073, 287070, 459933
287055 CI 686055, 686056, 686073 UI 686073, 287070, 459933
277056 CI 676056, 676057, 676073 UI 676073, 287070, 459933
247055 CI 646055, 646056, 646062 UI 646062, 287070, 459933

CI zaślepki neo prime / france neo advance neo prime IDEAL 8000
666055 sz 666056 sz 666073 sz ITI 267055 ITI 267055 ITI 267073, 287070 -> skrzydło -> słupek ruchomy 287073
686055 sz 686056 sz 666073 sz ITI 287055 ITI 287055 ITI 267073, 287070 -> skrzydło -> słupek ruchomy 287073
676056 sz 676057 sz ITI 277056 ITI 277056 -> skrzydło -> słupek ruchomy

ITi okapniki aluminiowe uniwersalne dodatki
257052 CI 646052
259082 (CL) CI 659923
646052 sz ITI 257052, 267052
659923 ITI aluminium ITI 259082
459932 cza ITI 247055, 277056
459933 cza ITI 247055, 267055, 267073, 277056, 277073, 287055, 287073

UI progi aluminiowe ITi okapniki aluminiowe 50 neo view dodatki
267055 CI 666055, 666056, 666081, 459933
259082 (CL) CI 659923
666055 sz ITI 267055 -> skrzydło + słupek ruchomy
666056 sz ITI 267055 -> słupek ruchomy
666081 sz ITI 267055 -> skrzydło + rama
66085 (QL) -> 160084 + UI
660383 (QL) -> 160086 + UI CI 660466
660466 (QL) -> 160086 + UI CI 660383
664981 NiRo -> 160x81

UI progi aluminiowe neo france dodatki
267074 sz 76x20mm CI zaślepki neo france
660418 -98 -> 160x12, 160x14, 160x16, 160x18 + UI 267074
666411 sz -> 160x11, 160x12, 160x14, 160x16, 160x18 + UI 267074
666409 sz -> 160x09 + UI 267074
666415 sz -> 160x15 + UI 267074

UI progi aluminiowe aluplast austria (A) alternatywa neo prime
267064 -98 UI 267063 ...
267063 -98 UI 267063 ...
267052 CI 646052
646052 sz ITI 257052, 267052
662063 cza UI 469063, 469064
660063 bi UI 267063 ...
662063 cza UI 469063, 469064
469063 cza UI 267063 ...
469064 cza UI 267063 ...

profile dodatkowe uniwersalne
186111 sz l=5.90m
227069 + 186111 = 227070
247069 + 186111 = 247070
267069 + 186111 = 267070
277069 + 186111 = 277070
287069 + 186111 = 287070
267074 neo france

profile dodatkowe poszerzenia, profile podokienne patrz plan 2/5
UI progi aluminiowe b₁ h₁ UI 287070, 277070, 267070, 247070, 227070
1:4
85 15 180209
85 35 180201
85 60 180203
85 100 180204
76 15 160201
76 35 160202
76 60 160203
76 100 160204
60 55 160223
60 100 160225
60 140 160226
70 15 140209
70 35 140205
70 60 140207
70 100 140208
70 140 140206
60 15 120220
60 35 120242
60 60 120221
60 130 120223

UI wklejana szyba uniwersalne dodatki
640020 cze 11
486080 sz 486082 sz UI 180x54 -> 180x57
486070 sz 486072 sz UI 170x53, 170x54 -> 170x57

IXI uszczelka neo prime / france IDEAL 4000
466071 sz -> 76mm-rama
466075 sz -> 160x46
466074 sz -> 160x45
466070 sz -> 76mm-rama
466072 sz -> 160x43
466073 sz -> 160x41
476081 sz -> 190x05
476084 sz -> 190x46
476080 sz -> 190x01
476082 sz -> 190x43
476070 sz -> 85mm-rama
476072 sz -> 170x44, 180x44
476073 sz -> 170x41
496912 sz TPE l=50m UI 247071, 247072, 267071, 277071, 277072, 267072, 287072

DI łącznik P-plastik dodatki
35x20x1000mm UI 620046 P -> 120x41, 140x41, 140x47
30x30.5x1000mm UI 620047 P -> 120x07
32x30x1000mm UI 640047 P -> 140x07, 160x01, 160x07, 170x02, 180x04, 180x05
35x27x1000mm UI 640048 P -> 120x05, 140x01, 140x08
47x23x1000mm UI 640060 P -> 140x91
35x25x1000mm UI 640061 P -> 140x91
30x25x1000mm UI 660047 P -> 160x07 + UI 267074
35x40x1000mm UI 670047 P -> 140x03, 170x03
35.4x17.9x1000mm UI 680046 P -> 160x15, 180x46, 160x15 + UI 267074
82.5x20x1000mm UI 680047 P (NL) -> 170x53, 170x54, 170x55, 170x57, 180x54, 180x57

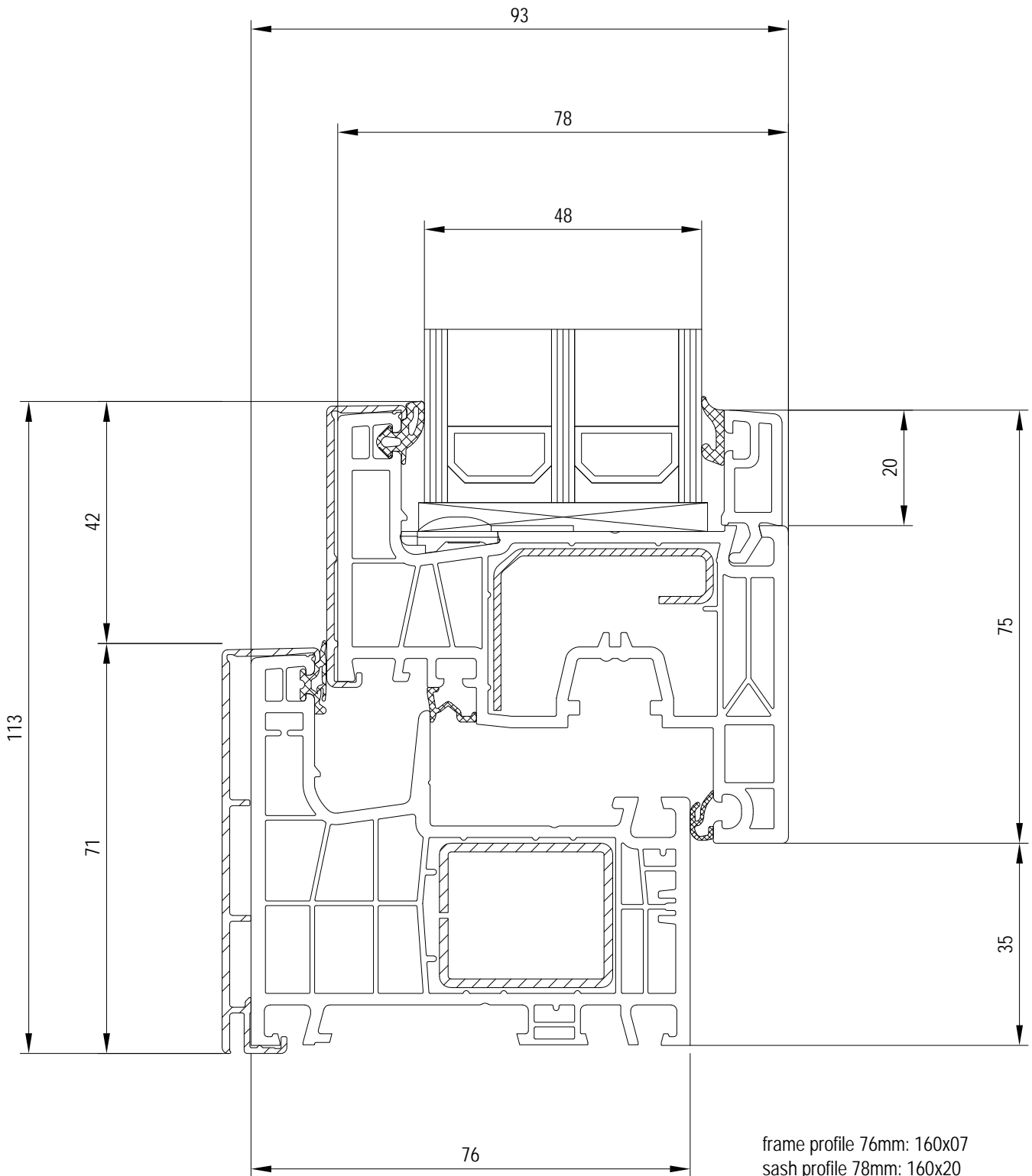
OI środki pomocnicze neo prime neo prime / france neo advance neo view
660977 -> UI ≥ 76mm + rama 160x03, 160x07
660970 -> UI ≥ 76mm + rama 060x05, 060x08, 160x01, 160x02, 160x05, 160x08, 160x92, 160x93
660971 -> UI ≥ 76mm + słupek 160x41, 160x43, 190x01, 190x43, 190x46
680972 -> UI ≥ 85mm + rama 190x01, 190x05
660974 -> UI 267074 + rama
660980 -> UI ≥ 76mm + 160080 IDEAL 8000 (NL) IDEAL 7000 (NL) IDEAL 4000 (MB)
680970 -> UI ≥ 120mm + rama 140x91, 170x53, 170x54, 170x55, 180x54
680971 -> UI ≥ 85mm + słupek 170x41, 170x44, 180x44
620970 -> UI ≥ 60mm + rama 120x05, 120x07 + słupek 120x41
640970 -> UI ≥ 70mm + rama 040x07, 140x01, 140x03, 140x07
640971 -> UI ≥ 70mm + słupek 140x41, 140x45, 140x47
620970 -> UI ≥ 60mm + rama 120x05, 120x07 + słupek 120x41

VI łącznik progu neo prime / france dodatki
666371 sz UI 267070 IDEAL 8000
666370 sz UI 267070 IDEAL 7000
686371 sz UI 277070 IDEAL 7000
676370 sz UI 277070 IDEAL 4000
646370 sz UI 247070 IDEAL 2000
626370 sz UI 227070
227301 XI 420340, 429340
227302 XI 420340, 429340
227306 XI 420340, 429340
267501 neo advance IDEAL 8000 IDEAL 7000
287301 287303 IDEAL 4000 IDEAL 2000
227300 227303 neo prime / france neo view

UI progi aluminiowe uniwersalne alternatywa IDEAL 8000
227301 XI 420340, 429340
227302 XI 420340, 429340
227306 XI 420340, 429340
267501 neo advance IDEAL 8000 IDEAL 7000
287301 287303 IDEAL 4000 IDEAL 2000
227300 227303 neo prime / france neo view

UI progi aluminiowe aluplast austria (A) alternatywa IDEAL 8000
287060 UI 287061 XI 689360 ITi okapniki aluminiowe
257052 CI 646052 CI zaślepki
646052 sz ITI 257052, 267052
496912 sz TPE l=50m UI 247071, 247072, 267071, 277071, 277072, 267072, 287072
429340 cza UI 227301, 227302, 227306
486080 sz 486082 sz UI 180x54 -> 180x57
486070 sz 486072 sz UI 170x53, 170x54 -> 170x57

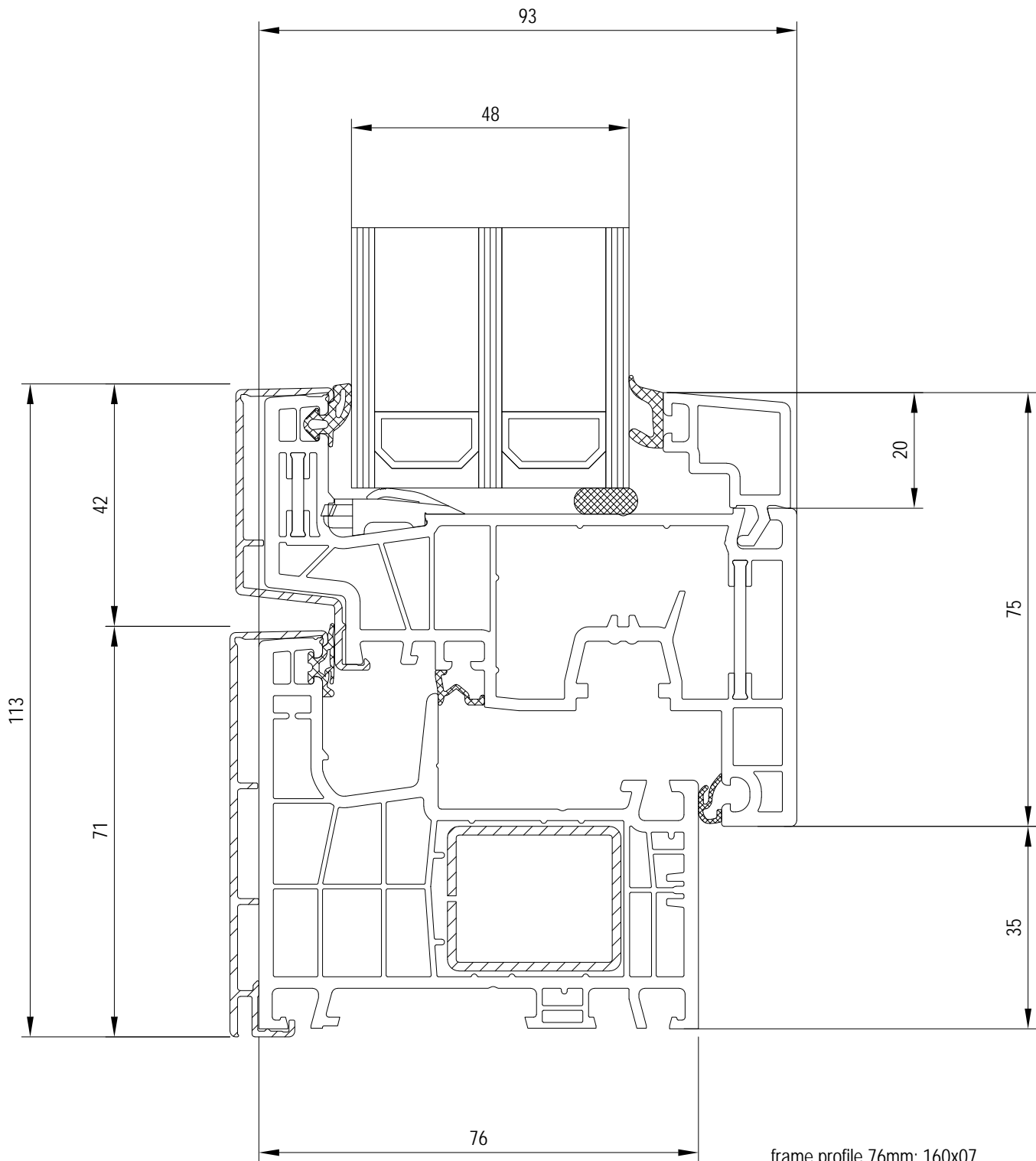
UI progi aluminiowe aluplast austria (A) alternatywa IDEAL 8000
287060 UI 287061 XI 689360 ITi okapniki aluminiowe
257052 CI 646052 CI zaślepki
646052 sz ITI 257052, 267052
496912 sz TPE l=50m UI 247071, 247072, 267071, 277071, 277072, 267072, 287072
429340 cza UI 227301, 227302, 227306
486080 sz 486082 sz UI 180x54 -> 180x57
486070 sz 486072 sz UI 170x53, 170x54 -> 170x57



frame profile 76mm: 160x07
 sash profile 78mm: 160x20
 glazing bead: 150832



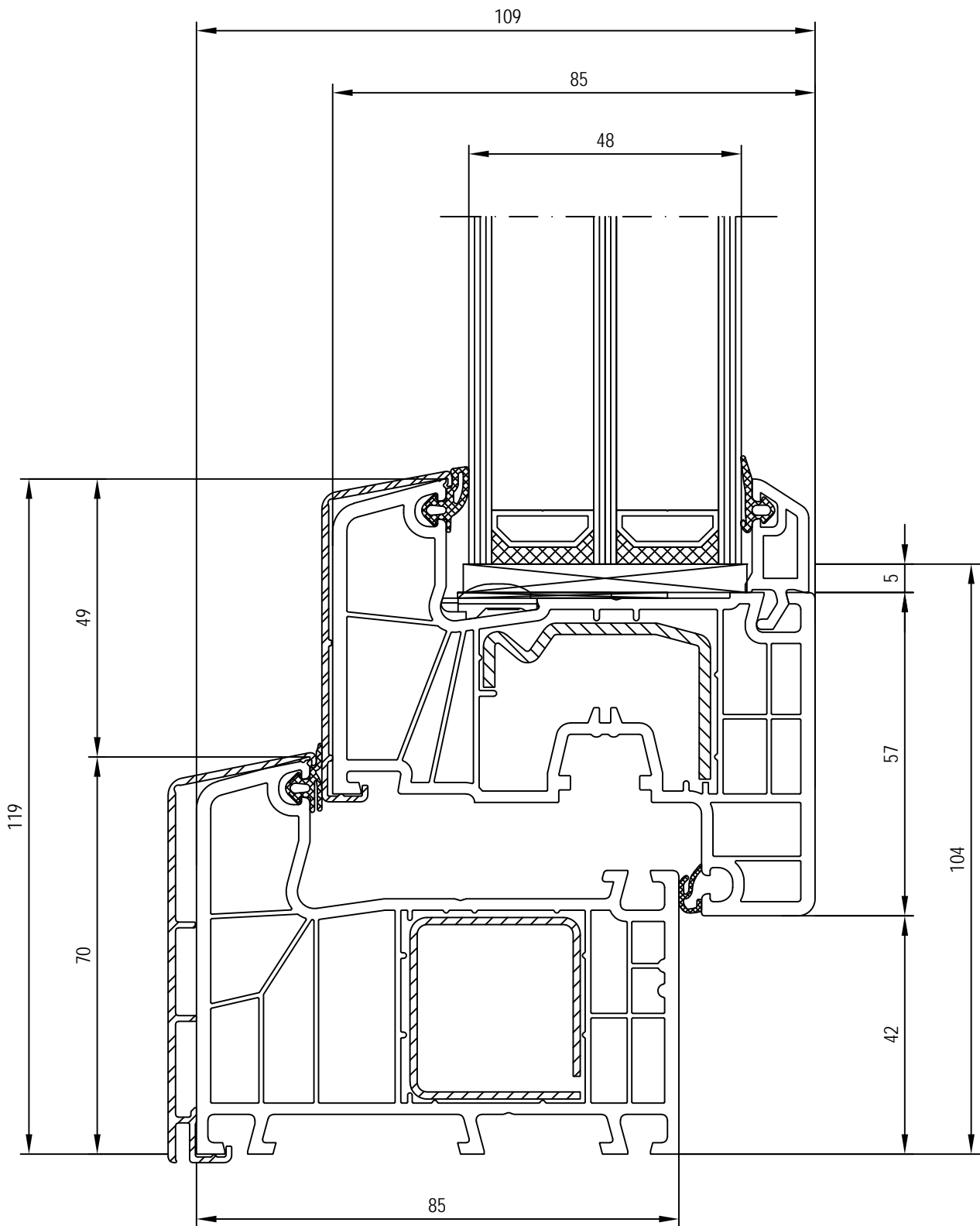
IDEAL NEO with aluskin
 profile section



frame profile 76mm: 160x07
 sash profile 78mm: 060x27
 glazing bead: 150734



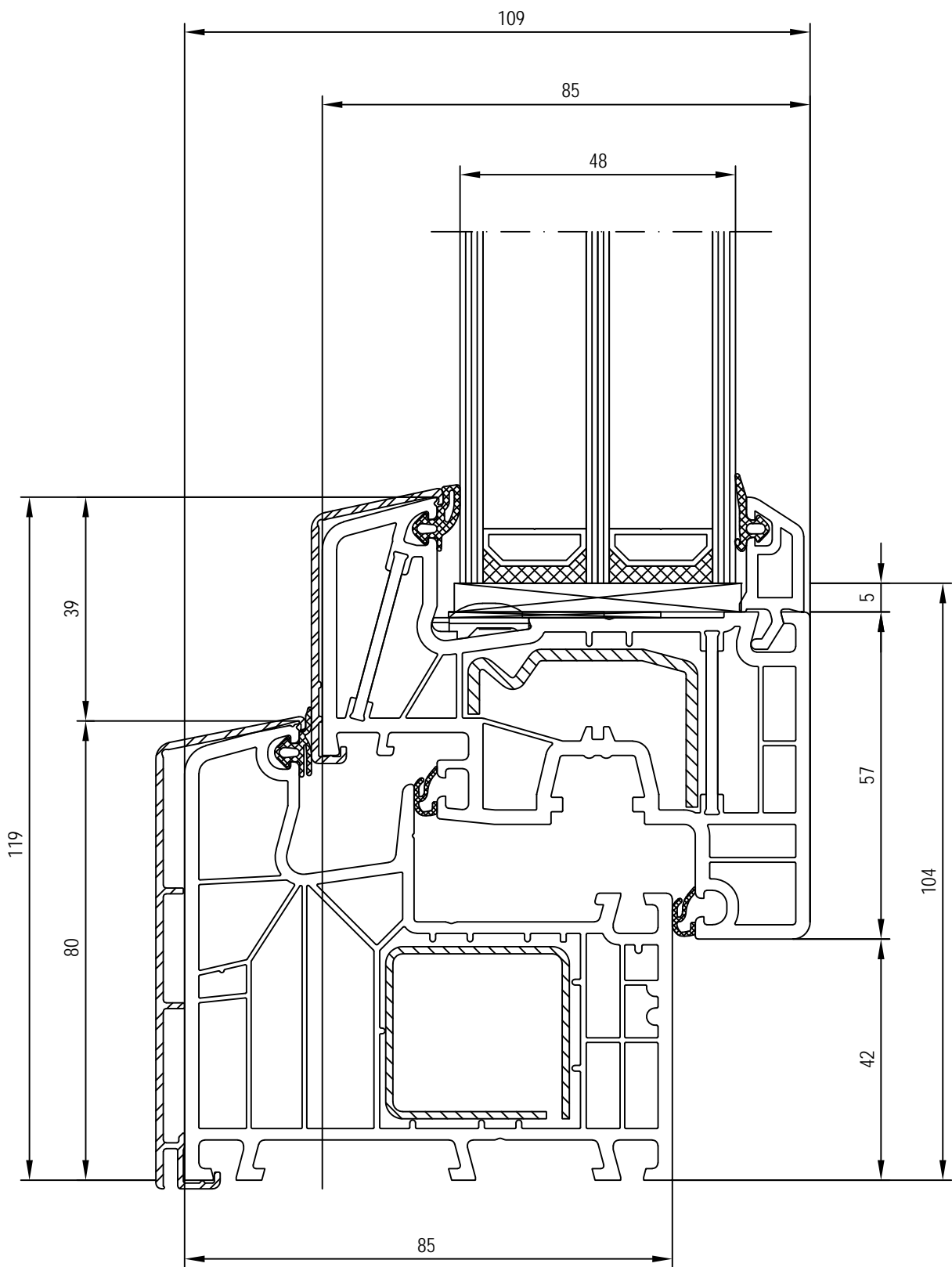
IDEAL NEO with aluskin
 profile section



frame profile 85mm: 170x02
 sash profile 85mm: 170x20
 glazing bead: 120632



IDEAL 7000 with aluskin
 profile section

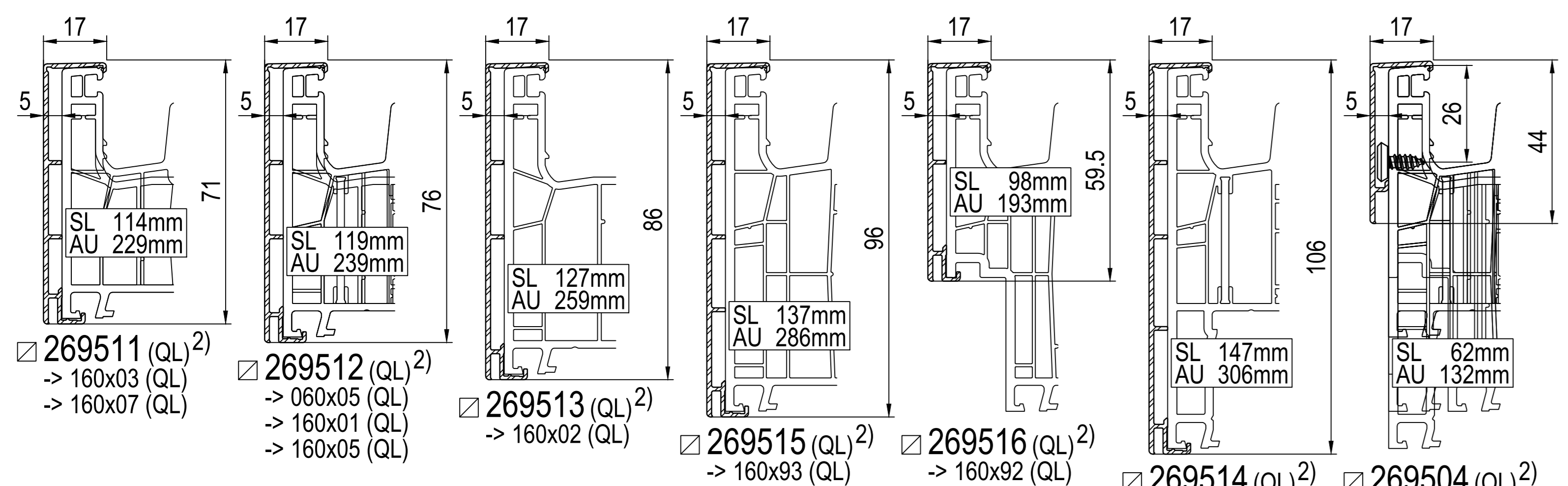


frame profile 85mm: 180x05
 sash profile 85mm: 080x20
 glazing bead: 120632

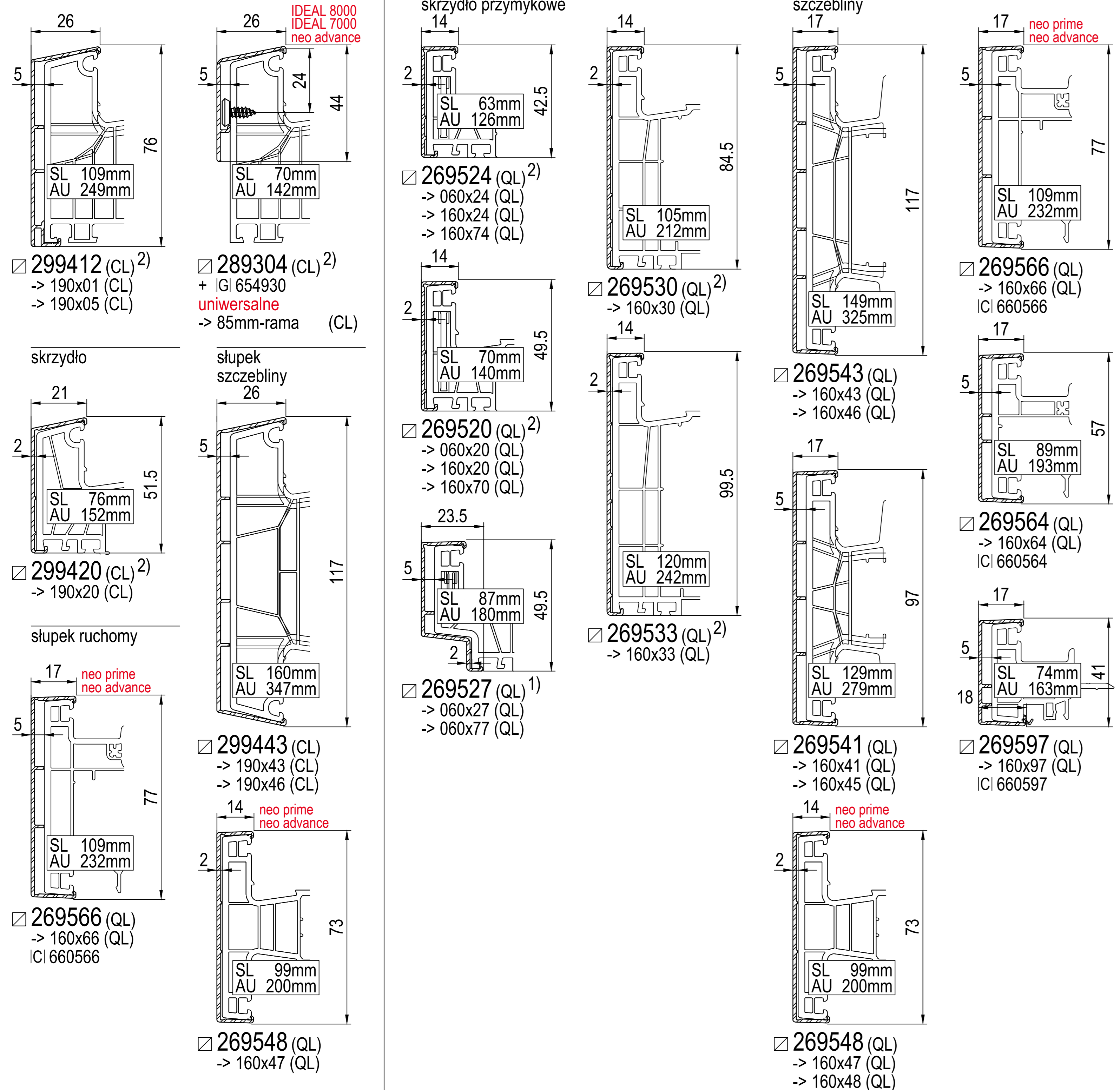


IDEAL 8000 with aluskin
 profile section

IP **aluskín** nakładka aluminiowa
neo prime
rama

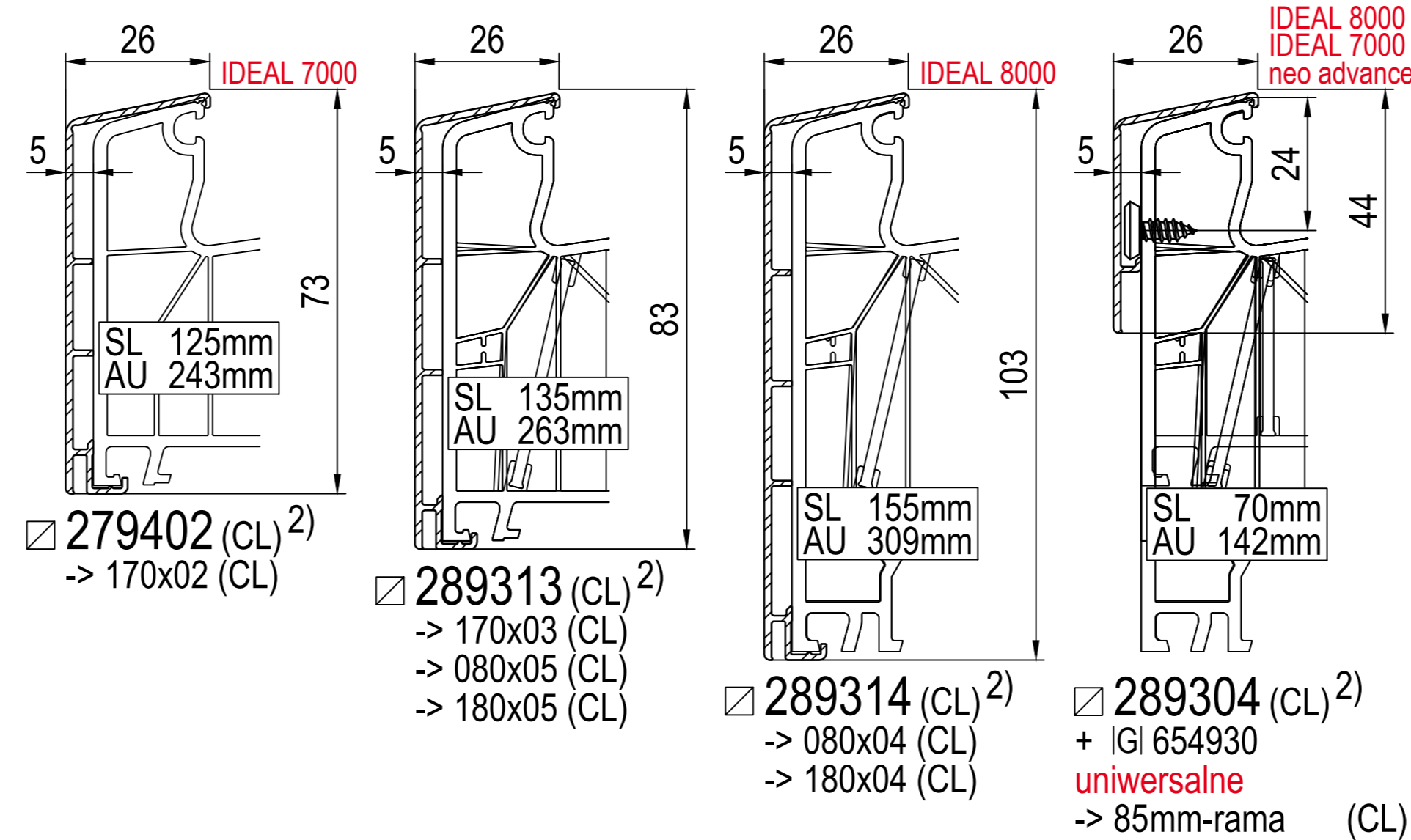


IP **aluskín** nakładka aluminiowa
neo advance
rama

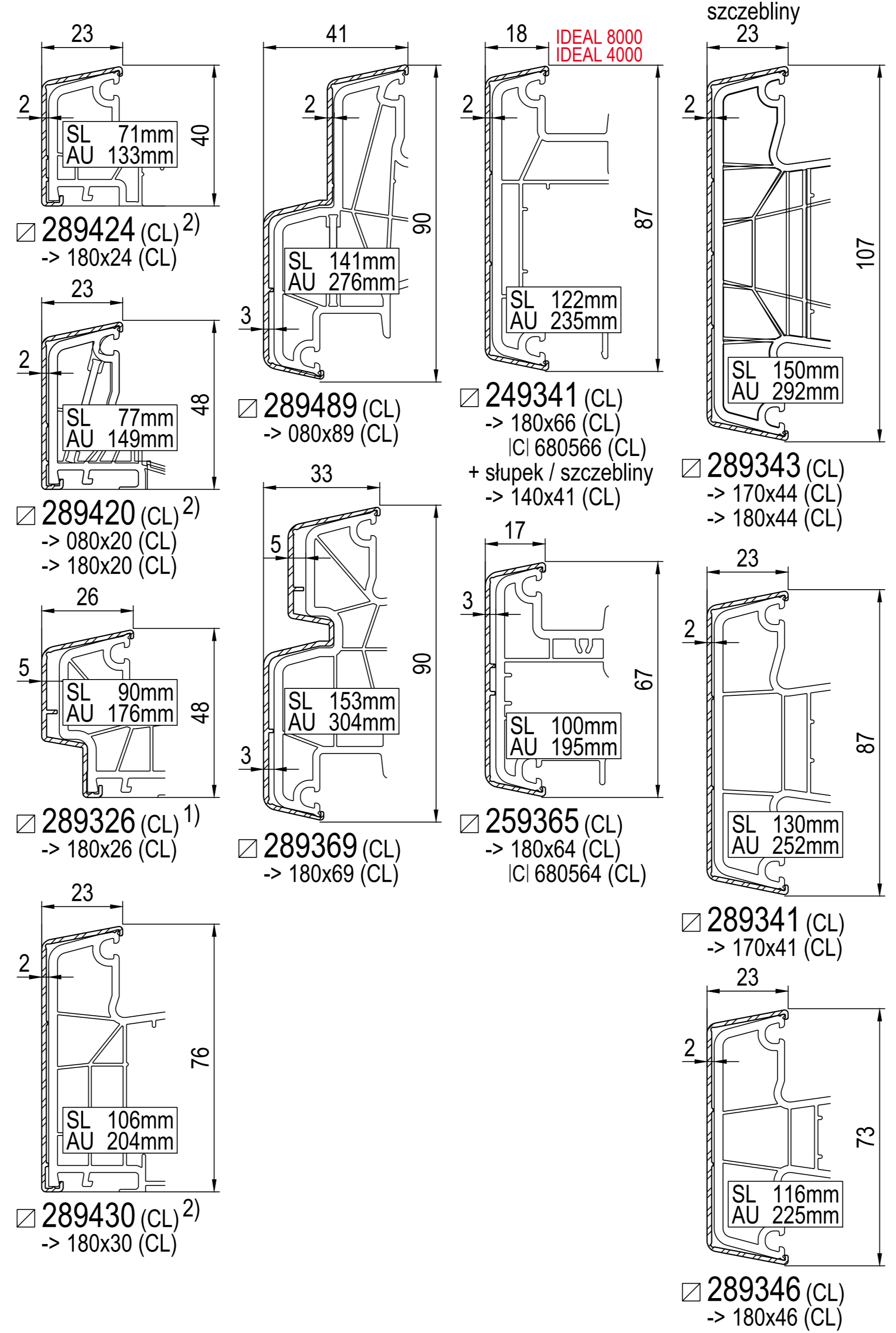


neo advance (CL) Classic-line (QL) Qube-line

IP **aluskín** nakładka aluminiowa
IDEAL 8000 / 7000
rama

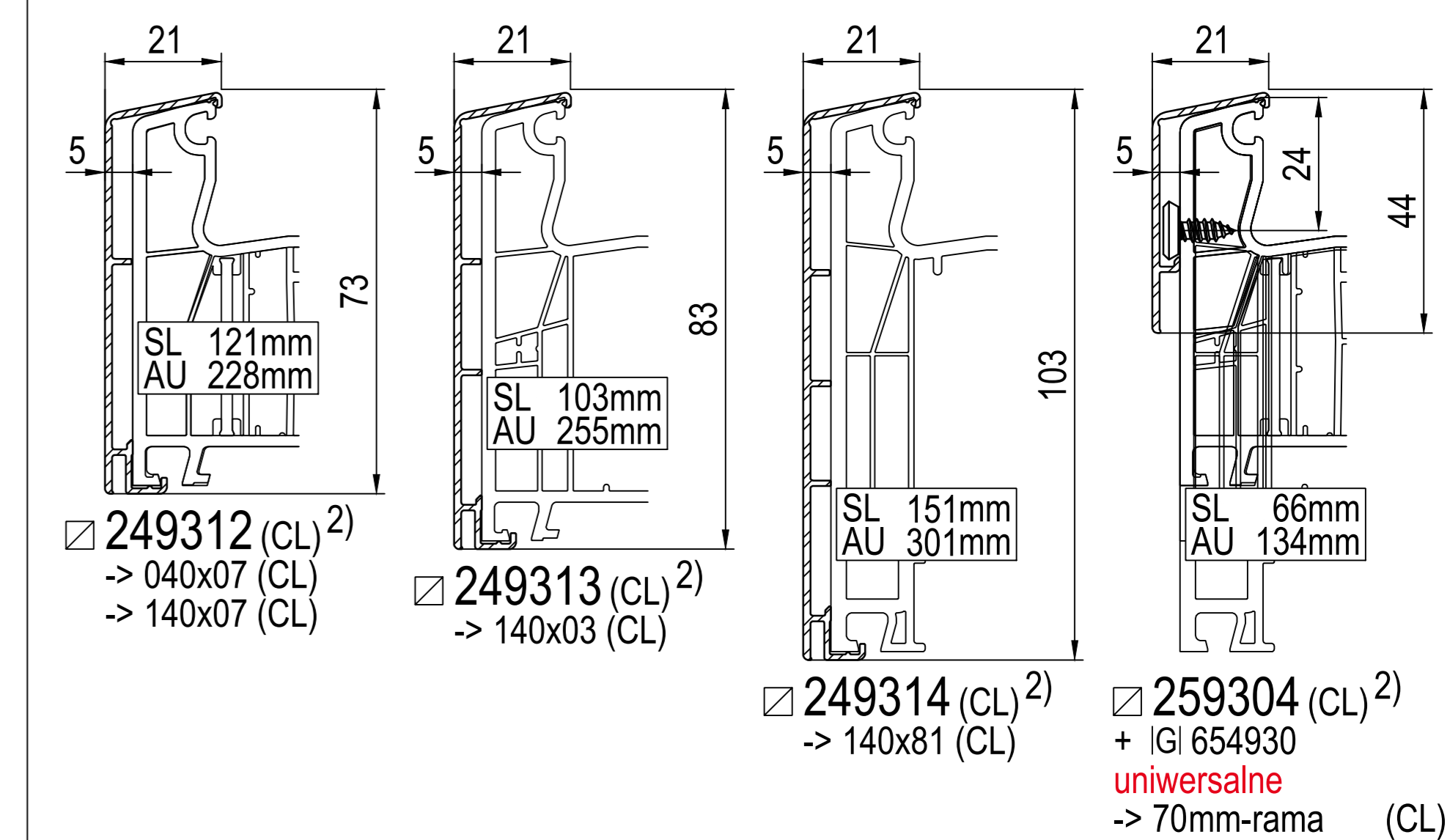


IDEAL 8000
skrzydło

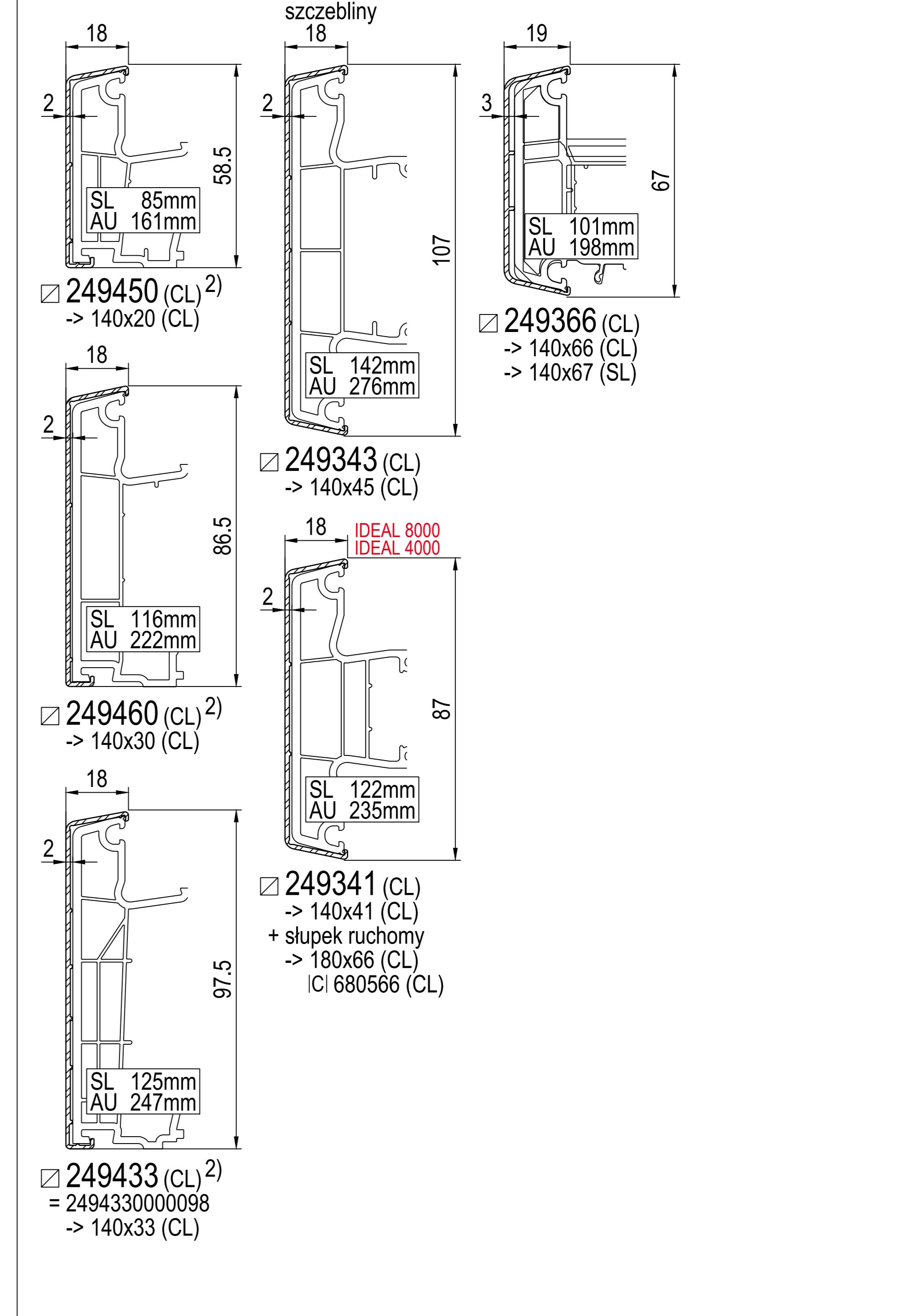


IDEAL 8000 / 7000 (CL) Classic-line (QL) Qube-line

IP **aluskín** nakładka aluminiowa
IDEAL 4000
rama



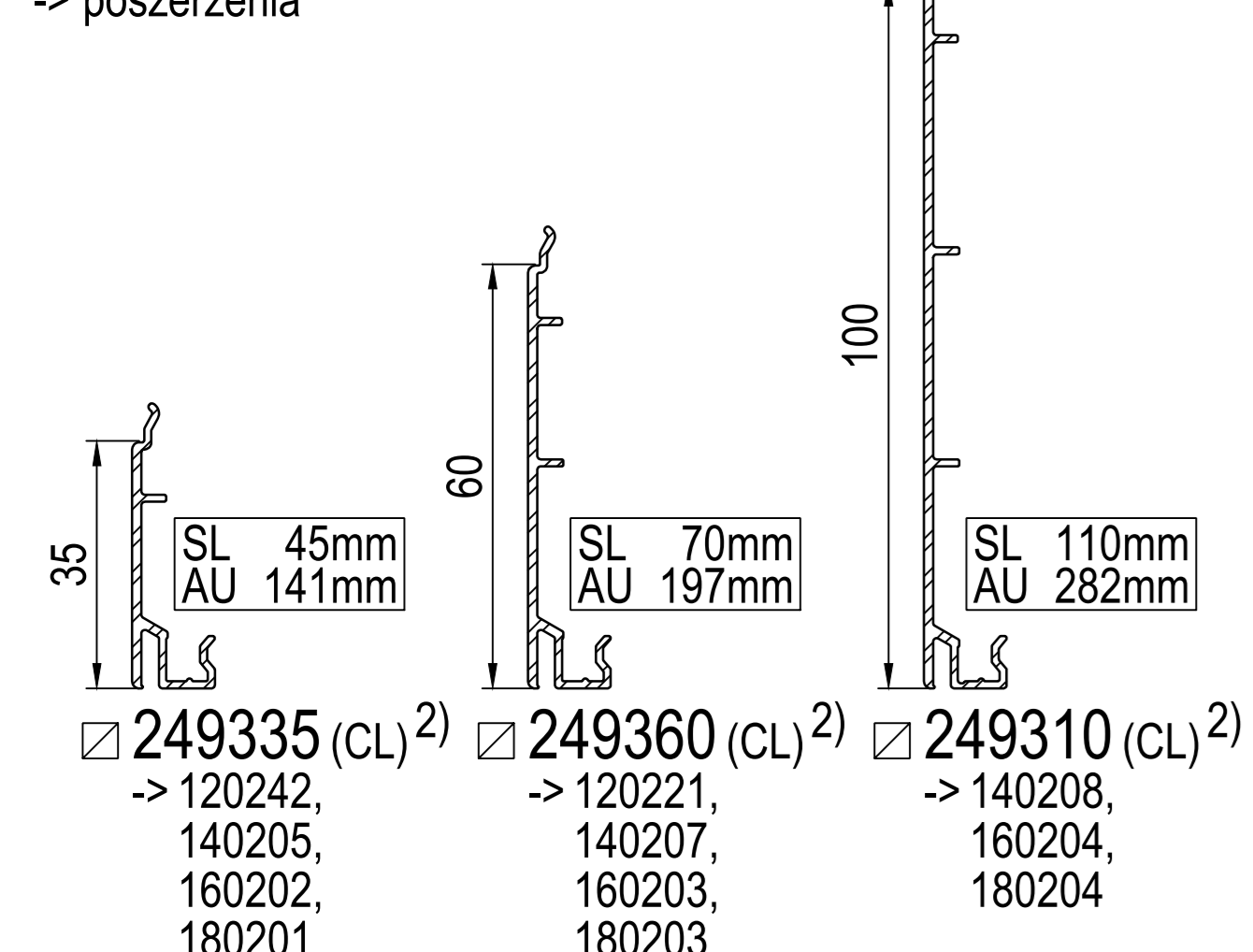
IDEAL 4000
skrzydło



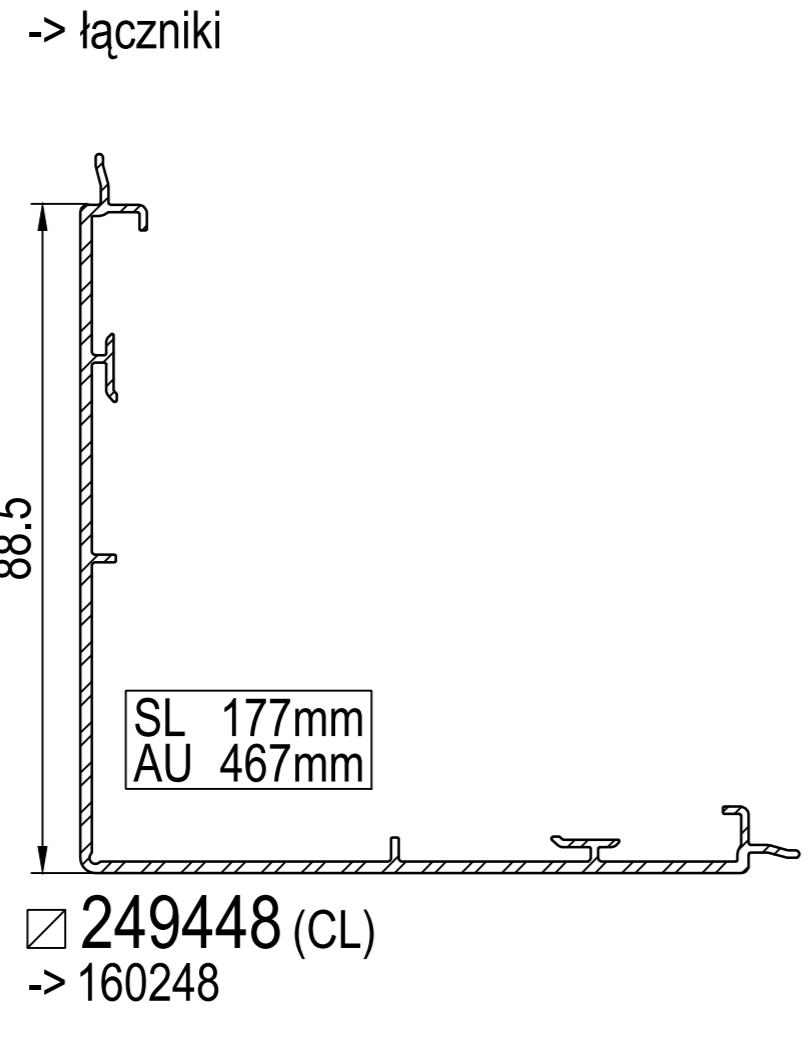
IDEAL 4000 (CL) Classic-line (QL) Qube-line

dodatki

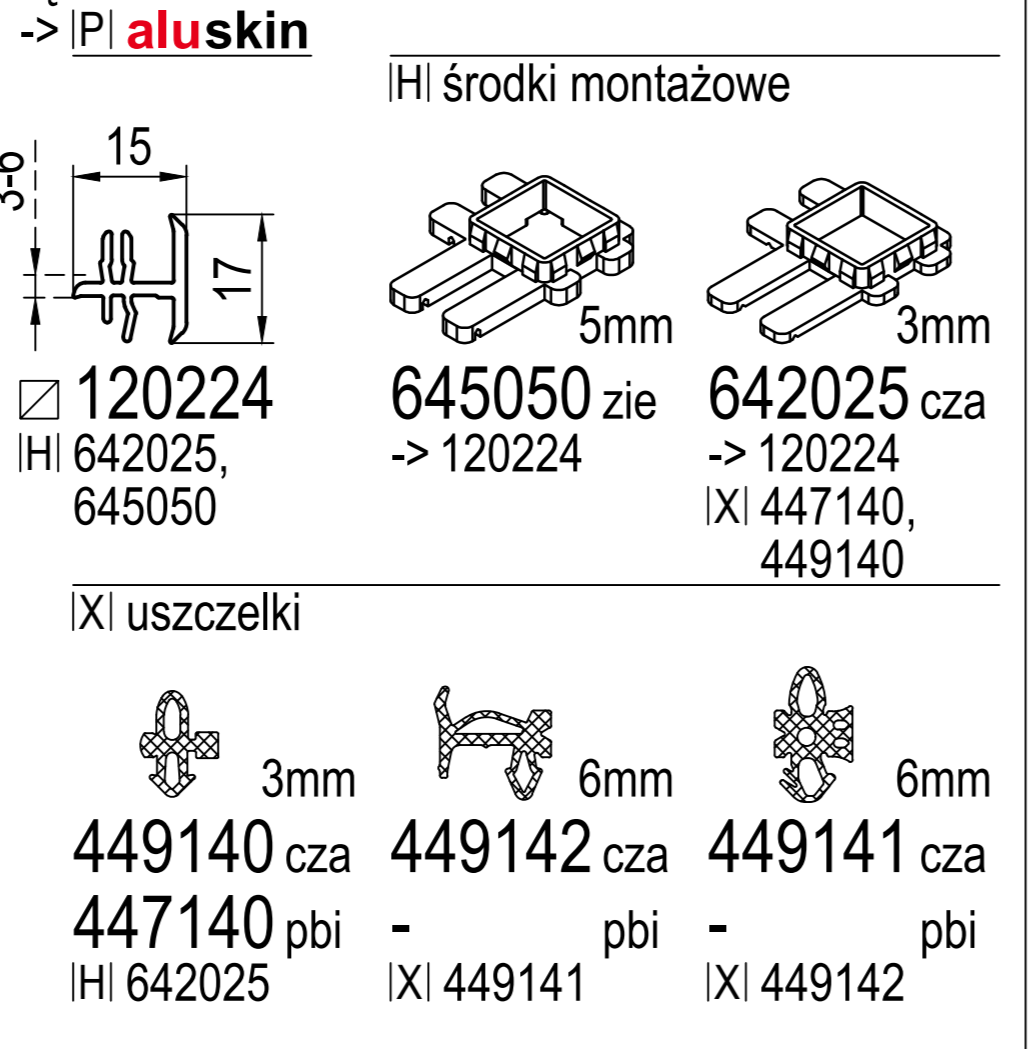
IP **aluskín** → poszerzenia



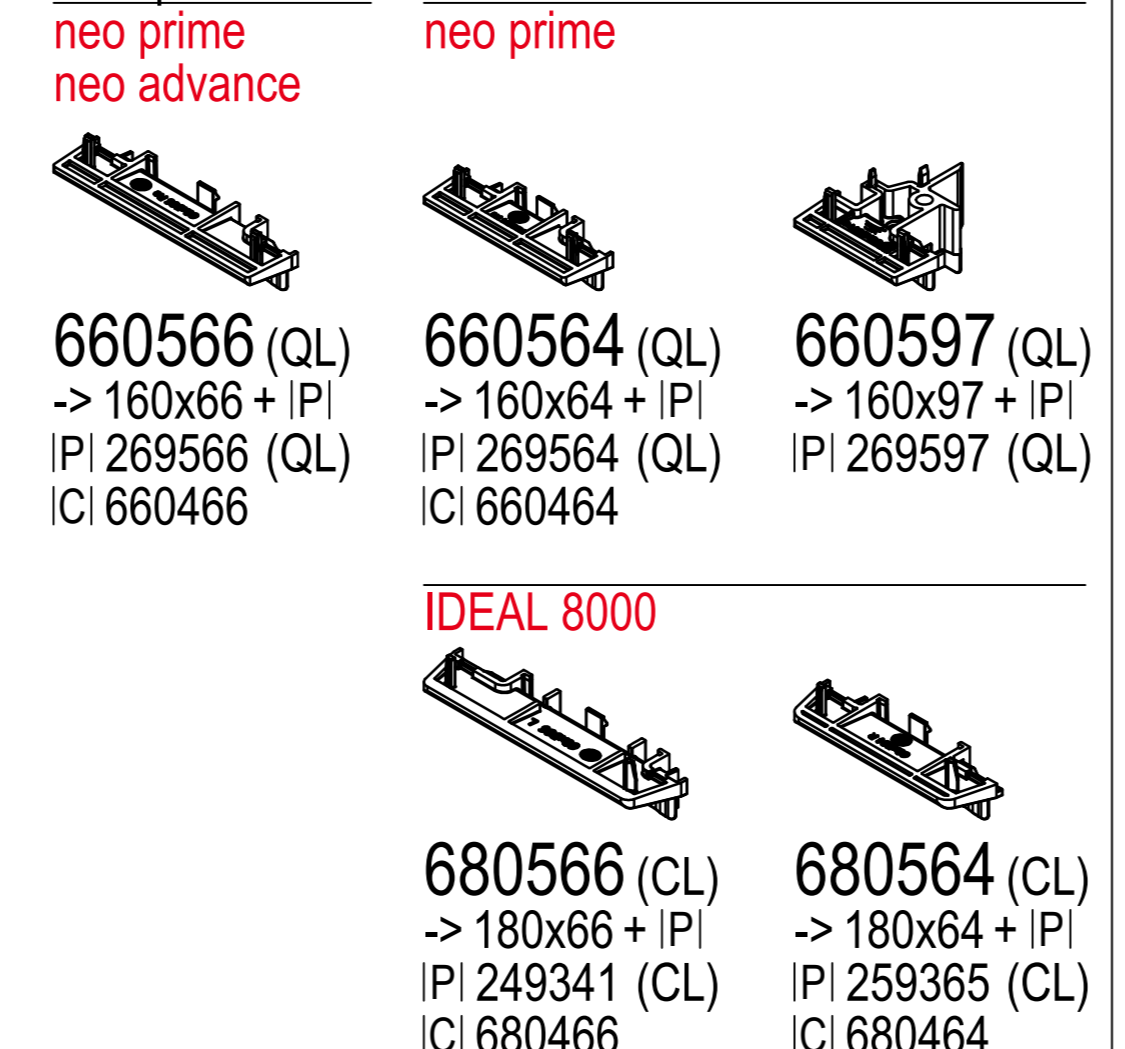
IP **aluskín** → łączniki



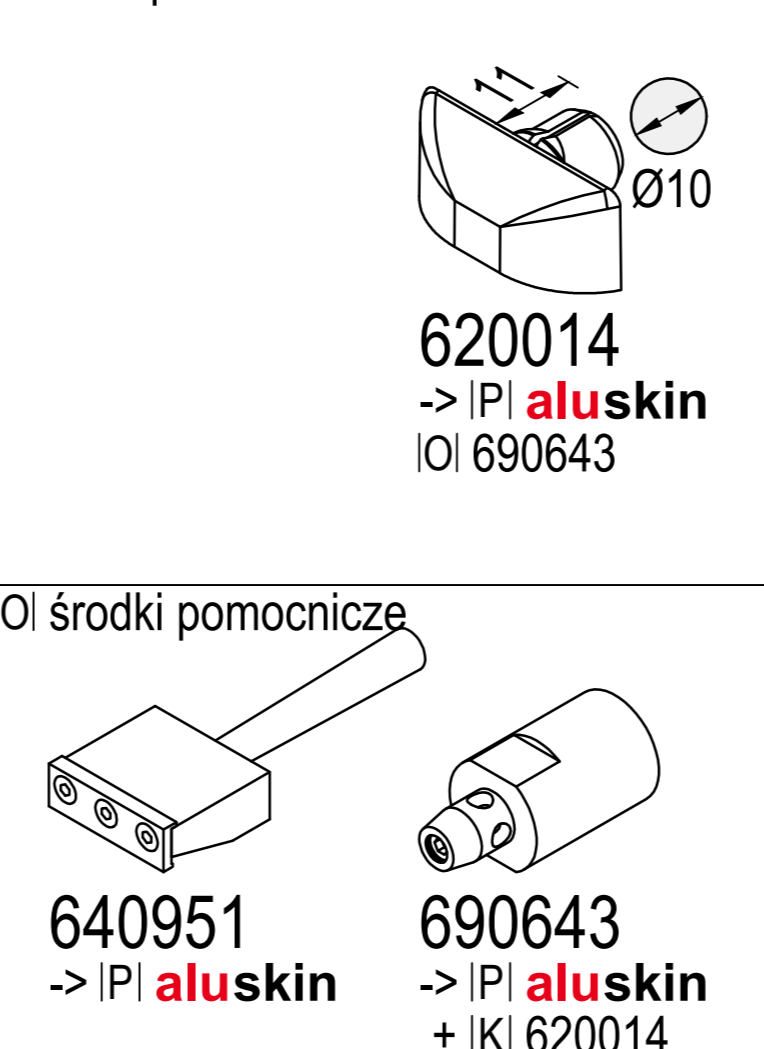
łączniki



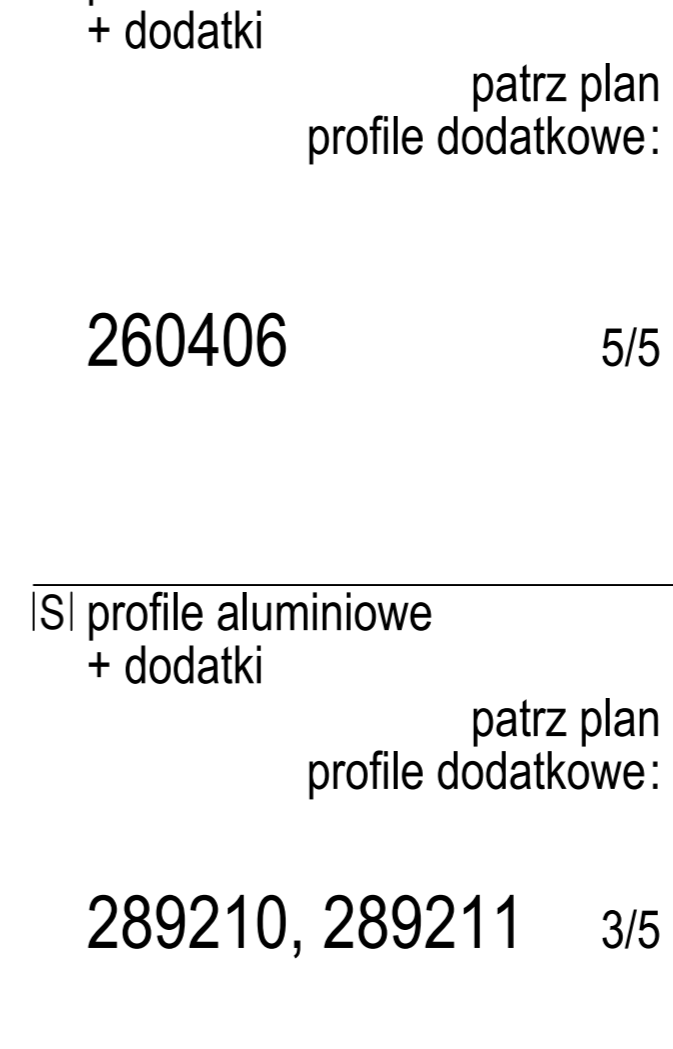
CI zaślepki



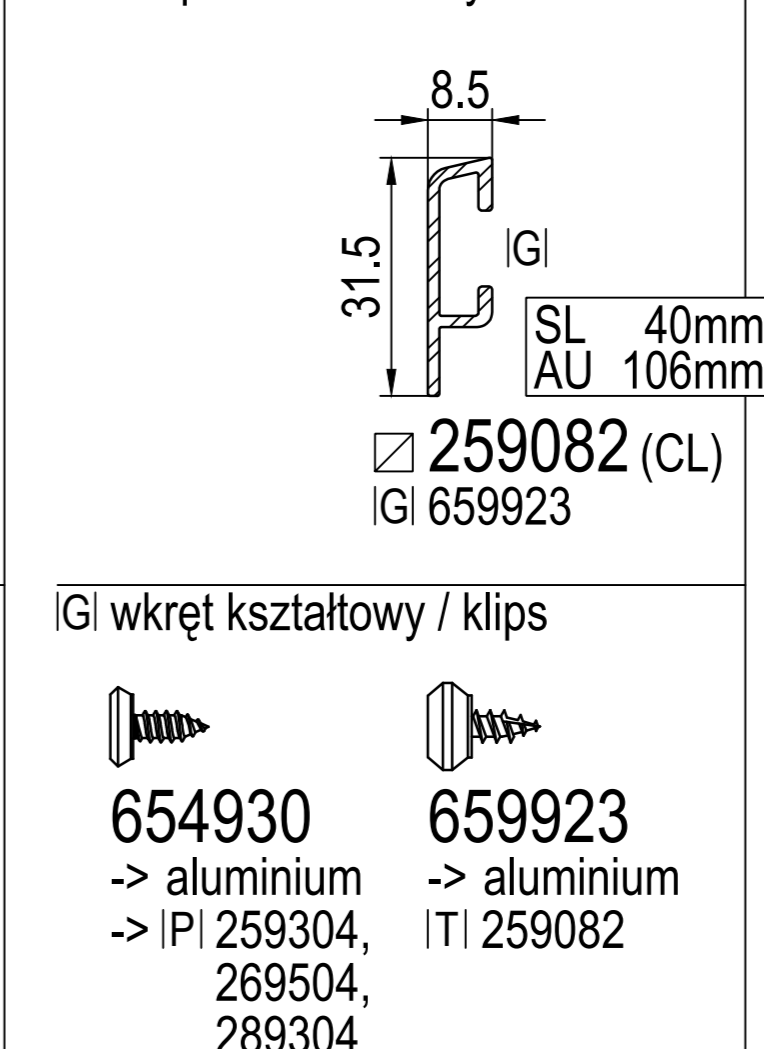
IKI zaślepki do odwońień



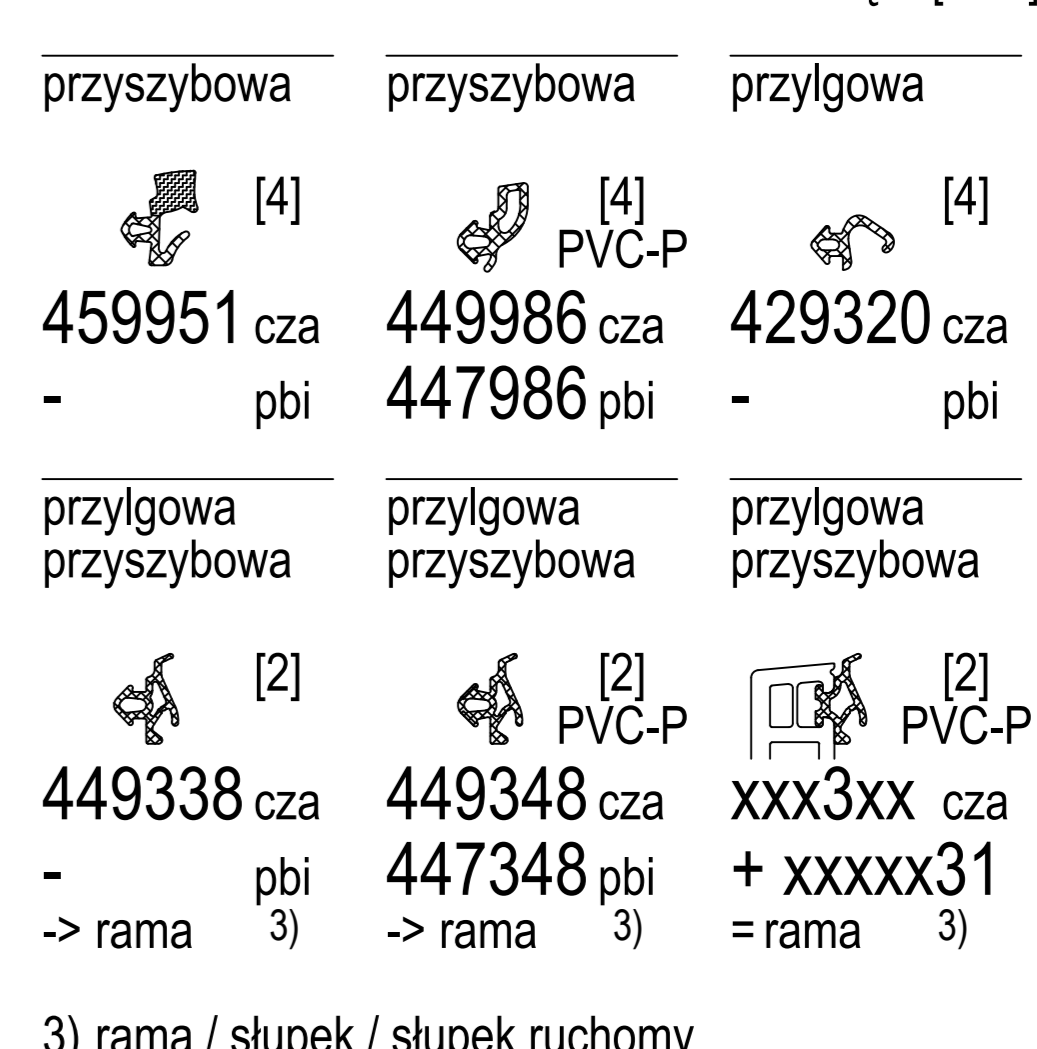
IRI prowadnice rolet + dodatki



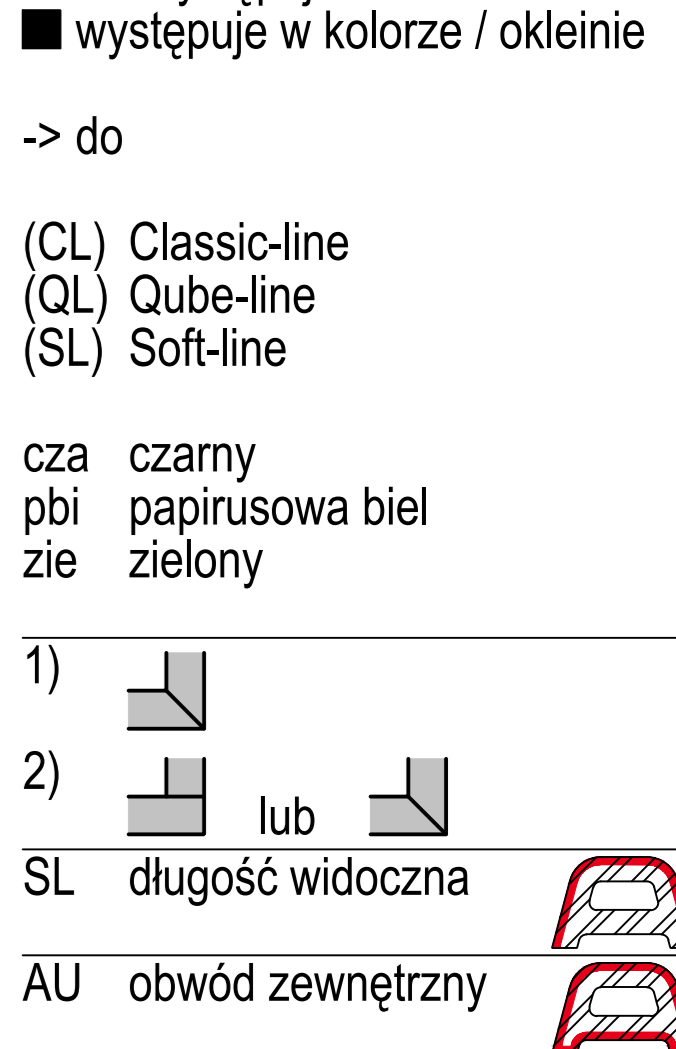
ITi okapnik aluminiowy



IXI uszczelki



ściśnięta [mm]



FI wzmacnienia x y s lx ly do

W niektórych przypadkach wzmacnienia montowane są w pozycji obróconej o 90° w stosunku do tej, przedstawionej na rysunkach. W takich sytuacjach należy odpowiednio zamienić wartości lx i ly:

+90° = lx ly lub ly lx

1) aluminium x 1/3 - lx ly stal

2) wytłoczony aluminium = (lx) (ly)

3) perforowany P-plastik

DI łącznik

IE łącznik naroży

OI środki pomocnicze

patrz plan: dodatki neo / IDEAL / energeto

IH kotwy / dodatki montażowe

patrz plan: profile dodatkowe profile statyczne

-> neo prime, neo franco, neo advance, neo view, energeto ...

IDEAL 8000/7000, IDEAL 8000/7000 NL

IDEAL 4000, Nord-line

IDEAL 2000 ...

lift-slide drzwi unoszone-przesuwne neo smart-slide, smart-slide, multi-slide, vario-slide ... okna przesuwne profile dodatkowe

-> wrab sztybowy

x y s lx ly do

3) perforowany

FI 249027 2.5mm 1.2 0.02 2.4m

-> skrzydło

FI 279027 2.5mm 2.4 0.02 2.4m

3) perforowany

FI 279027 2.5mm 2.4 0.02 2.4m

-> skrzydło

FI 259023 2.0mm 1.9 0.02 2.4m

3) perforowany

FI 229019 2.0mm 43.3 0.2

FI 229019 2x2.0mm 86.6 0.4

-> skrzydło

FI 289027 2.5mm 3.5 0.04 2.4m

3) perforowany

FI 289027 2.5mm 3.5 0.04 2.4m

FI 209 ...

31.5 -> 100x85

FI 209084 1.25mm 2.0 1.2

FI 209085 2.0mm 3.0 1.9

31.5 -> 100x86

FI 209086 1.25mm 3.0 3.8

FI 209087 2.0mm 4.5 5.8

10 -> 100097, 100098

FI 209121 1.5mm 3.0 0.2

40 -> 100x94

FI 209294 2.0mm 5.7 2.8

40 -> 100x92

FI 209192 1.25mm 4.6 3.5

FI 209193 2.0mm 7.0 5.5

IH 682330, 682331, 682340, 682341

59 -> 140267, 140267, 180267

FI 209900 1.5mm 7.3 0.08 160267

FI 209900 2x1.5mm 14.6 0.16 180267

IH 682338, 682339

FI 209901 1.5mm 4.9 0.1

FI 209901 2x1.5mm 9.8 0.2

FI 229 ...

30 -> 120x07

FI 229001 1.5mm 2.1 1.3

73 -> 120230, 229018, 289218

Ø55.5, a=250mm perforowany

FI 229010 3.0mm 9.9 0.1

FI 229010 2x3.0mm 19.7 0.2

34.5 -> 170x81, RC2

FI 229015 1.5mm 0.9 0.2

35 -> 140x03, 140207, 170x03

40 -> 120218, 140218, 160218, ...0020, 180218

FI 229017 1.5mm 3.7 2.8

IH 622354, 682335

FI 229018 2.5mm 24.8 0.8

FI 229018 + 229010 34.7 0.9

110 -> 120219

3) perforowany

FI 229019 2.0mm 43.3 0.2

FI 229019 2x2.0mm 86.6 0.4

35 -> 100090, 120x05, 120x22, 140x00, 140x01, 140x04, 140x08, 140x12, 140x14, 140x16, 140x18, 140x19, 140x22

FI 229023 1.5mm 2.3 0.9

35 -> 100090, 120x05, 120x22, 140x00, 140x01, 140x04, 140x08, 140x12, 140x14, 140x16, 140x18, 140x19, 140x22

FI 229024 1.5mm 3.0 1.1

FI 229026 2.0mm 3.8 1.5

35 -> 120x22, 140x22, 140x82

FI 229027 1.5mm 1.7 0.6

FI 229028 2.0mm 2.1 0.8

DI 640048 P

35 -> 100090, 120x05, 140x00, 140x01, 140x04, 140x08, 140x12, 140x14, 140x16, 140x18, 140x19, 170x64, 180x66

FI 229029 1.25mm 2.5 1.7

FI 229030 2.0mm 3.7 2.5

35 -> 100091, 160x15, 180x15, 180x46

FI 229037 1.5mm 2.5 0.7

40 -> 120275, 160248

FI 229040 2.0mm 7.0 7.0

40 -> 120x30, 120x31

FI 229050 1.5mm 4.9 6.4

FI 229051 2.5mm 7.6 10.3

FI 229063 2.0mm 4.3 0.2

DI 620046 P

35 -> 120x41, 140x05, 140x09, 140x15, 140x17, 140x41, 140x47, 160091, 160202, 180201

FI 229098 2.5mm 4.1 1.5

DI 620046 P

35 -> 120x41, 140x05, 140x09, 140x15, 140x17, 140x41, 140x47, 160091, 160202, 180201

FI 229100 1.25mm 2.0 0.8

DI 620046 P

35 -> 120x41, 140x05, 140x09, 140x15, 140x17, 140x41, 140x47, 160091, 160202, 180201

FI 229107 1.5mm 2.8 1.0

45 -> 100090

FI 229102 1.5mm 5.1 1.2

FI 229103 2.5mm 7.3 1.8

IH 622354, 682335

25 -> 120230, 160084, 170x53, 170x54, 170x57

FI 229107 2.0mm 1.0 0.4 +90°

FI 229110 1.5mm 1.8 0.5

FI 229111 2.0mm 2.3 0.6

30 -> 120x07, 140x08

FI 229112 1.0mm 1.5 1.5

FI 229113 2.0mm 2.7 2.7

DI 670047 P

35 -> 120x300000096, 120x310000096, 120109, 120221, 120223, 140x03, 140x30, 140x31, 140x206, 140207, 140208, 160x02, 160203, 160204, 160223, 160225, 1602260000020, 170x03, 170x81, 180x30, 180x31, 180x203, 180204

FI 229114 1.5mm 4.0 5.0 +90°

FI 229115 2.0mm 5.1 6.4 +90°

35 -> 140x03, 160x02, 170x03

FI 229120 2.0mm 4.0 5.4

35 -> 100090, 120x05, 120x22, 140x00, 140x01, 140x04, 140x08, 140x12, 140x14, 140x16, 140x18, 140x19, 140x22

FI 229121 1.5mm 2.1 2.1

40 -> 120109, 140x33, 140x35, 170080, 170x81

FI 229125 2.0mm 8.5 12.1 +90°

FI 229129 2.0mm 8.5 12.1 +90°

40 -> 120109, 140x33, 140x35, 170080, 170x81

FI 229126 3.0mm 11.8 16.8 +90°

FI 229131 3.0mm 11.8 16.8 +90°

FI 249034 1.25mm 6.1 5.2

FI 249035 2.0mm 9.2 7.8

FI 249039 2.5mm 13.4 9.8

3x wytłoczony niebieski

FI 229135 2.0mm 14.4 14.4

FI 229137 2.0mm 14.4 14.4

FI 249037 1.2mm 2.1 0.4

FI 249046 1.5mm 2.0 0.6

FI 249078 2.0mm 6.3 4.3

FI 249174 2.0mm 2.0 0.4

FI 249175 2.0mm 2.8 0.6

FI 249190 1.5mm 3.5 0.3

FI 249198 1.5mm 4.8 1.3

FI 249204 2.0mm 2.2 1.2

FI 249228 2.0mm (197) (18.8) 6.7m

FI 249234 1.5mm 12.6 1.5

FI 249242 2.0mm 2.9 2.0 +90°

FI 249244 3.2mm 23.5 23.5

FI 249259 2.0mm 6.4 4.6

FI 249289 2.0mm 5.7 3.8

FI 259018 2.0mm 0.8 0.2

FI 259020 1.25mm 2.1 0.5

FI 259021 2.0mm 3.2 0.8

FI 259022 1.5mm 2.4 0.6

FI 259024 1.5mm 2.0 0.4

FI 259026 2.0mm 4.3 1.3

FI 259027 2.0mm 5.8 2.1

FI 259028 2.0mm 3.0 0.7

FI 259030 2.0mm 11.3 9.7

FI 259031 2.0mm 7.2 6.5

FI 259043 1.5mm 3.9 1.1

FI 259044 2.5mm 5.6 1.6

FI 259080 2.0mm 1.8 0.08

FI 259094 2.0mm 3.1 0.4

FI 259105 1.25mm 2.2 1.9 +90°

FI 259106 2.0mm 3.2 2.9 +90°

FI 259107 1.5mm 2.5 2.3 +90°

FI 259109 2.0mm 3.4 2.1

FI 259906 2.0mm 3.4 2.1

FI 259926 2.0mm 18.7 10.0

FI 269 ...

FI 269003 2.0mm 3.6 5.0

FI 269004 1.5mm 1.1 0.9

FI 269020 1.25mm 2.0 0.6

FI 269021 1.5mm 2.3 0.7

FI 269022 2.0mm 3.1 1.3

FI 269024 2.0mm 5.8 2.0

FI 269028 1.5mm 4.6 2.6

FI 269029 2.0mm 6.0 3.4

FI 269030 2.0mm 9.9 6.6

FI 269031 2.0mm 9.9 6.6

FI 269045 2.5mm 12.9 13.4

FI 269046 1.5mm 7.8 7.7

FI 269066 2.0mm 8.0 2.6

FI 269067 2.0mm 6.7 3.6

FI 269077 2.5mm 5.6 1.7

FI 269081 2.0mm 4.4 0.7

FI 269101 1.5mm 1.7 0.6

FI 269102 2.0mm 2.1 0.8

FI 269104 2.0mm 9.5 5.9

FI 269105 2.0mm 9.5 5.9

FI 269033 2.0mm 13.0 20.4

FI 269034 2.0mm 13.0 20.4

FI 269036 1.5mm 2.0 0.3

FI 269037 2.0mm 3.0 0.6

FI 269038 2.0mm 4.9 0.9

FI 269041 1.5mm 5.4 2.2

FI 279 ...

FI 279029 2.0mm 7.3 5.8

FI 279043 2.5mm 12.9 13.4

FI 279045 2.0mm 8.4 3.0

FI 279047 2.5mm 10.2 9.0

FI 279055 1.5mm 4.7 1.3

FI 279055 1.5mm 4.7 1.3

FI 279055 1.5mm 4.7 1.3

FI 279055 1.5mm 4.7 1.3

FI 279055 1.5mm 4.7 1.3

FI 279055 1.5mm 4.7 1.3

FI 279055 1.5mm 4.7 1.3

FI 279055 1.5mm 4.7 1.3

FI 279055 1.5mm 4.7 1.3

FI 279055 1.5mm 4.7 1.3

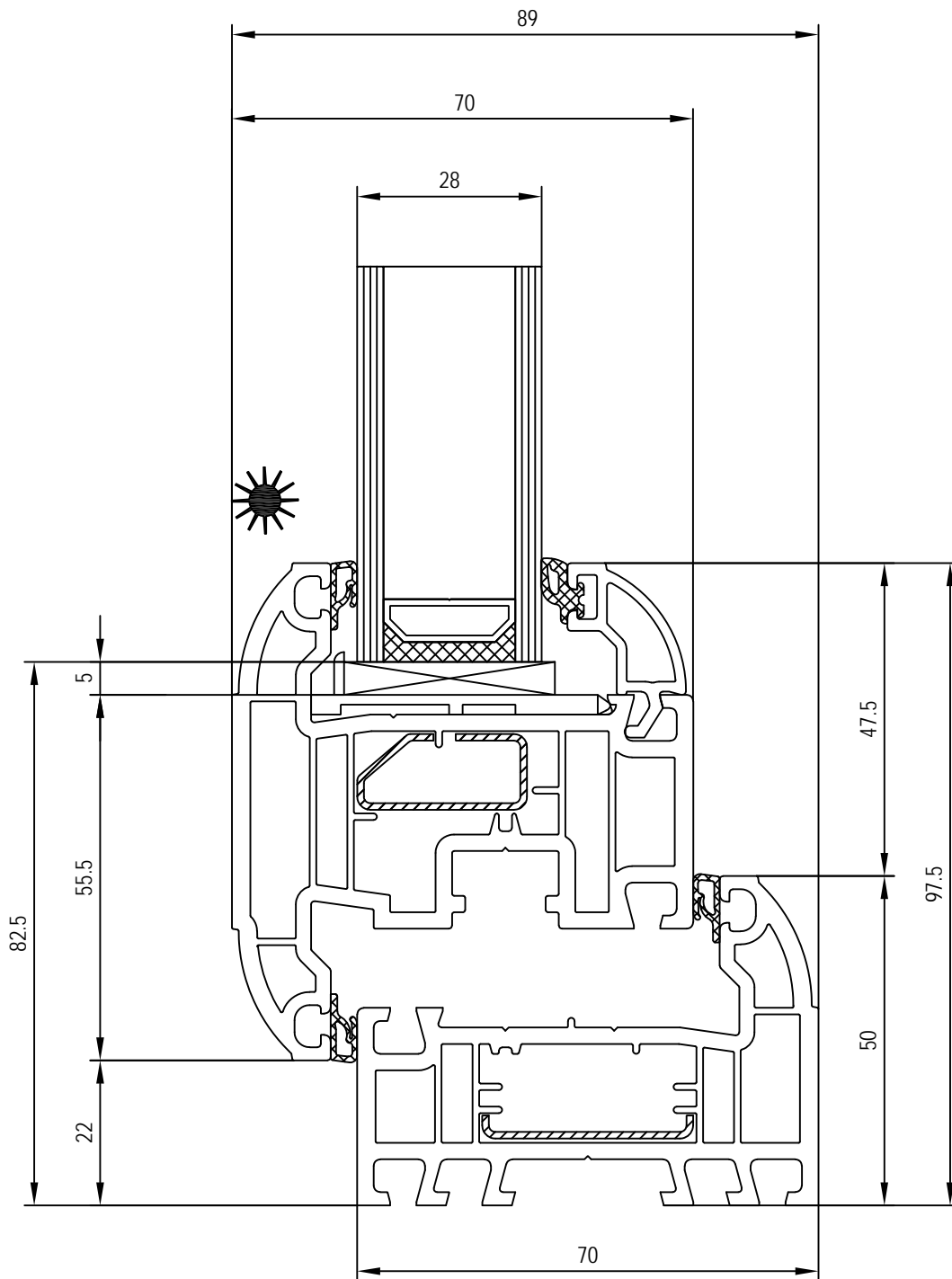
FI 279055 1.5mm 4.7 1.3

FI 279055 1.5mm 4.7 1.3

FI 279055 1.5mm 4.7 1.3

FI 279055 1.5mm 4.7 1.3

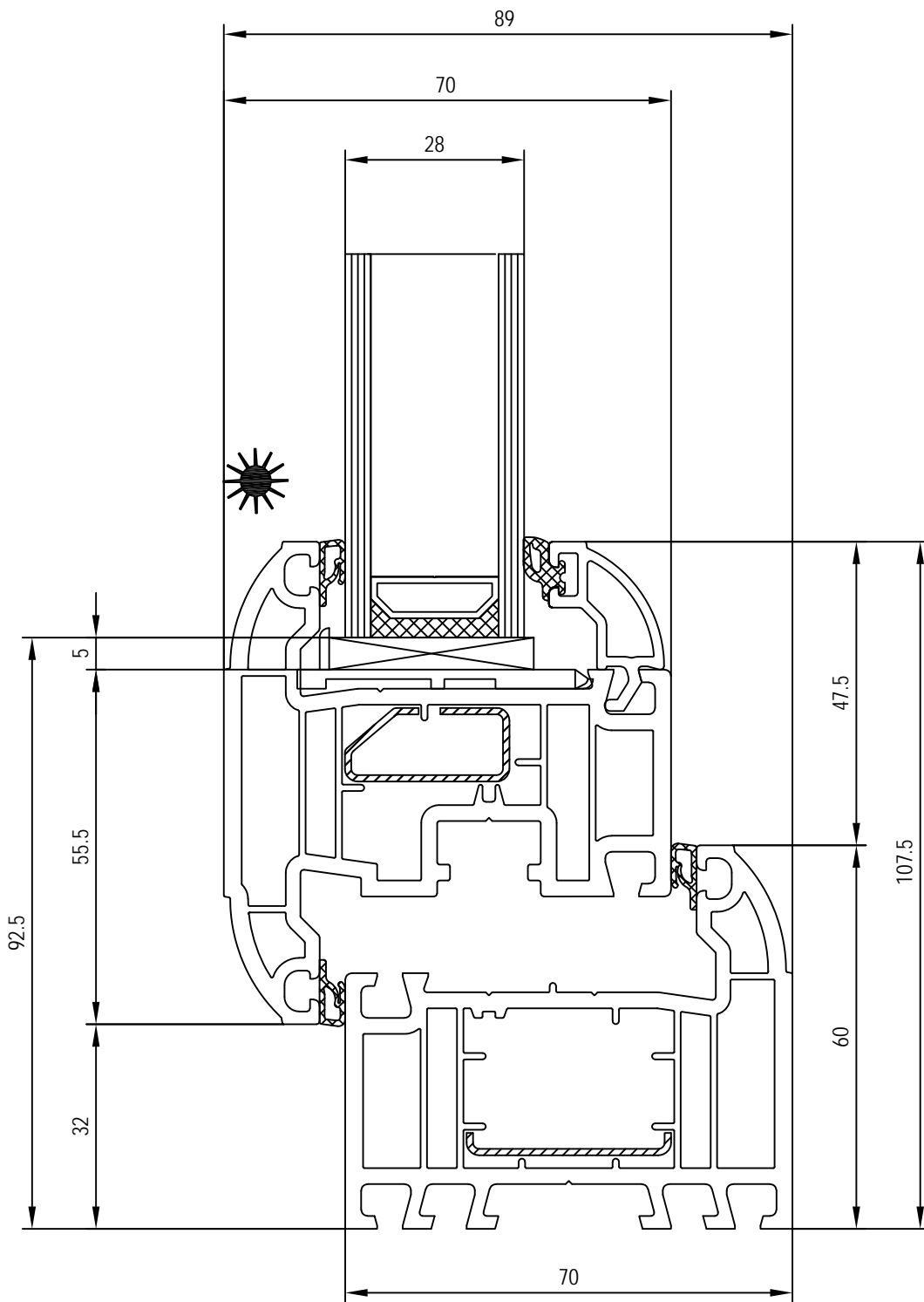
</



frame profile 70mm: 100x02
 sash profile 70mm: 100x05
 glazing bead: 100819



IDEAL 70
 profile section

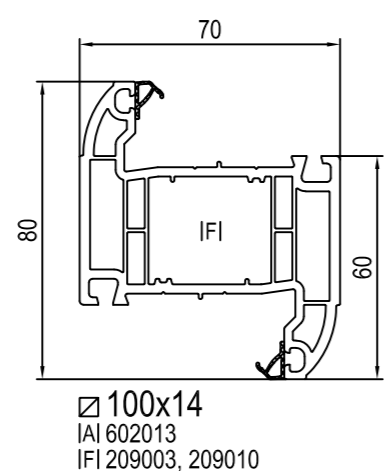
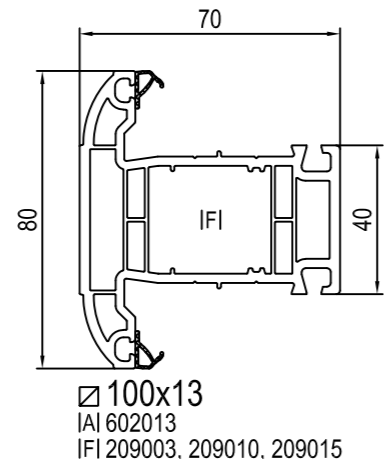
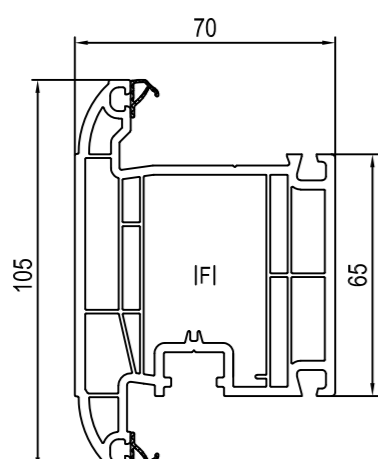
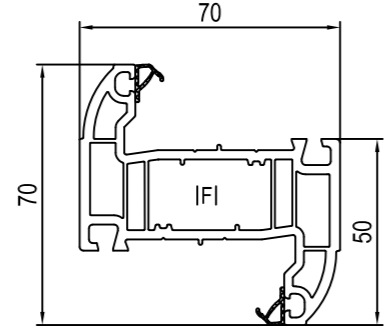
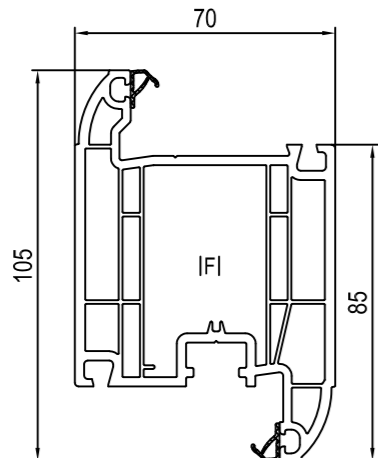
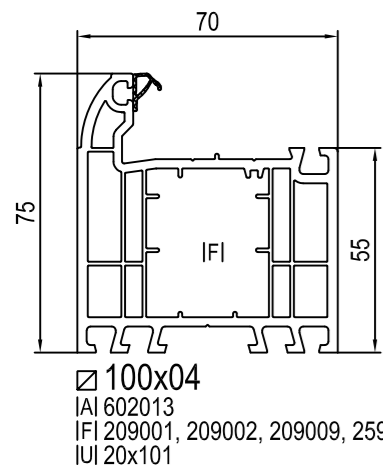
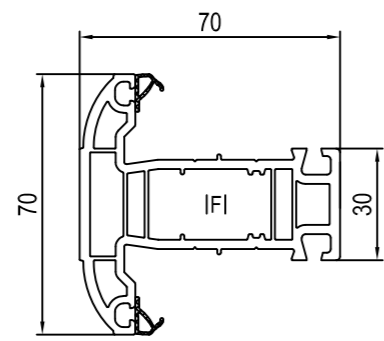
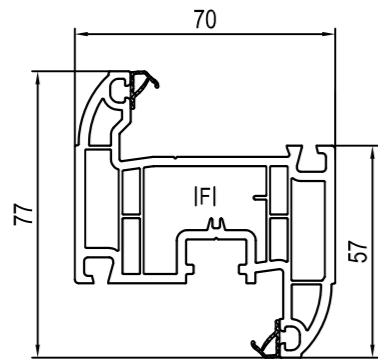
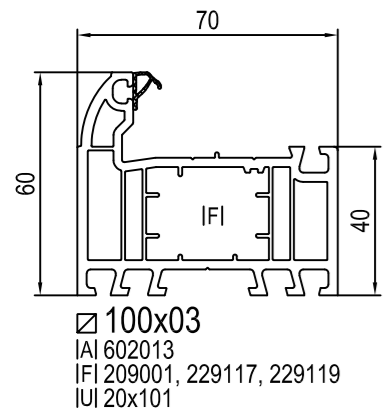
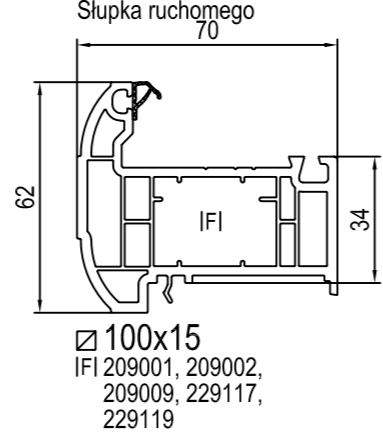
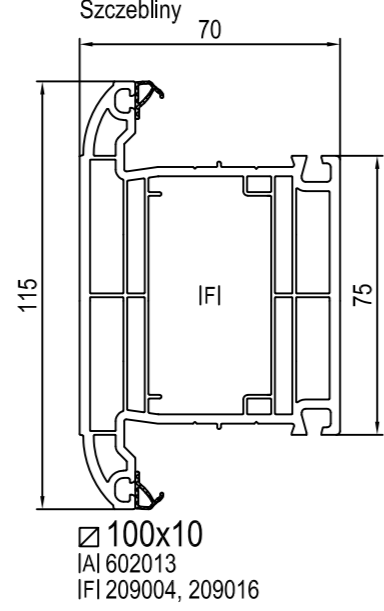
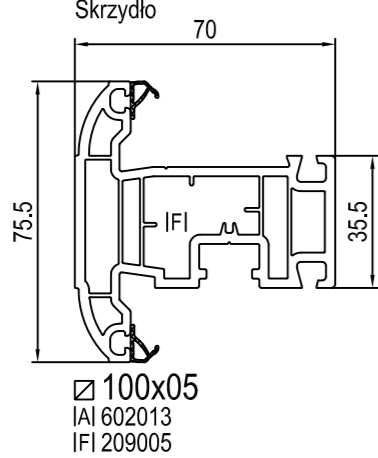
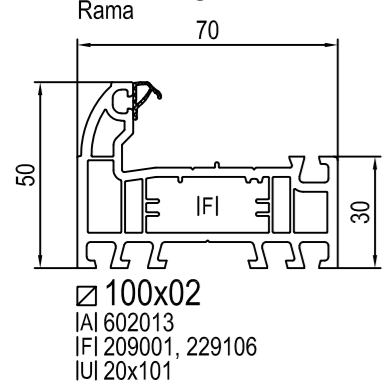


frame profile 70mm: 100x03
 sash profile 70mm: 100x05
 glazing bead: 100819

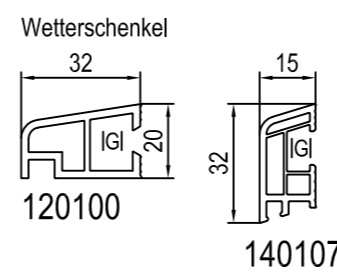
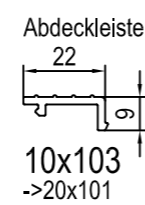
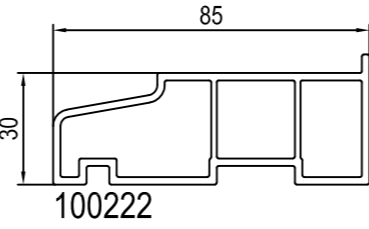
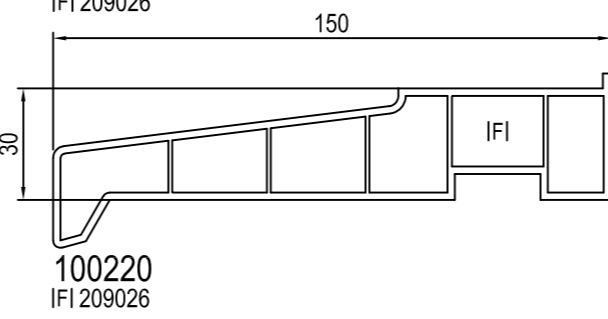
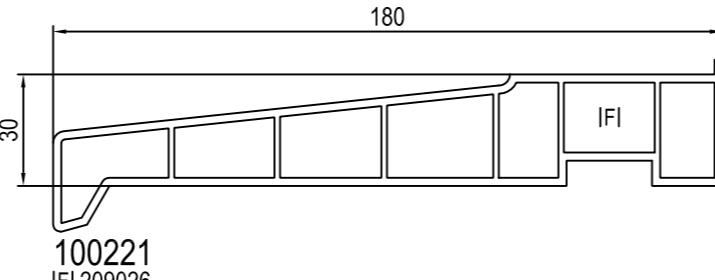
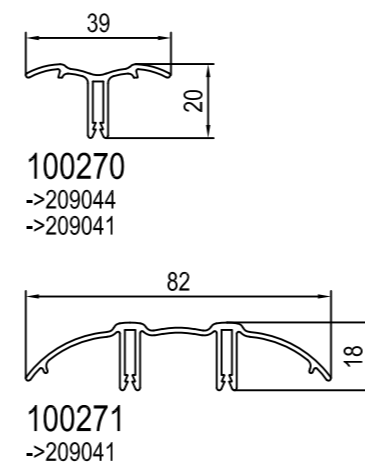
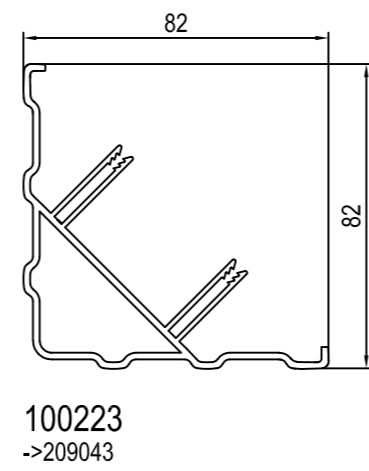


IDEAL 70
 profile section

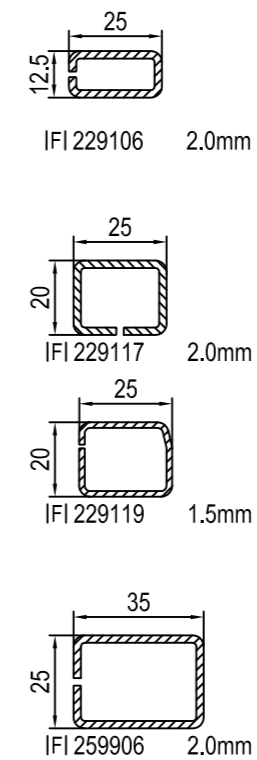
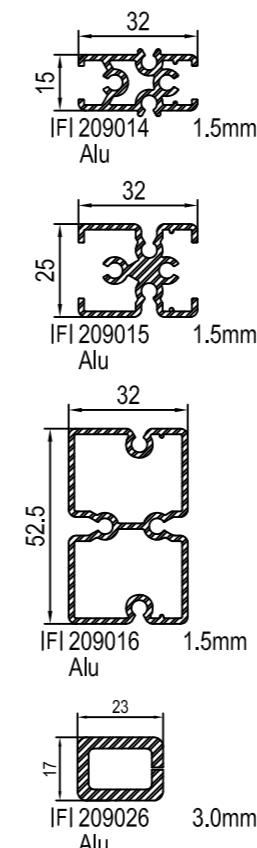
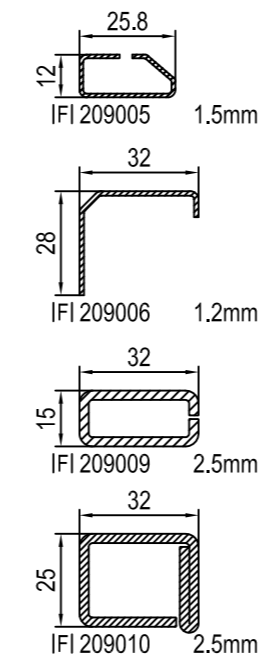
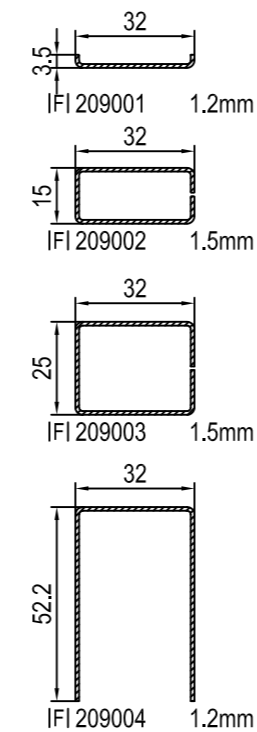
Profile główne



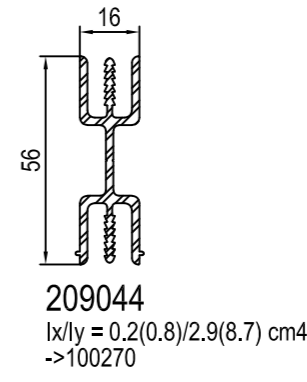
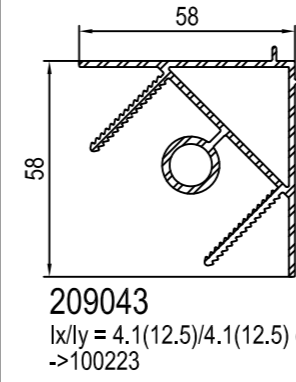
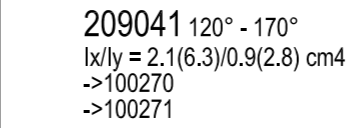
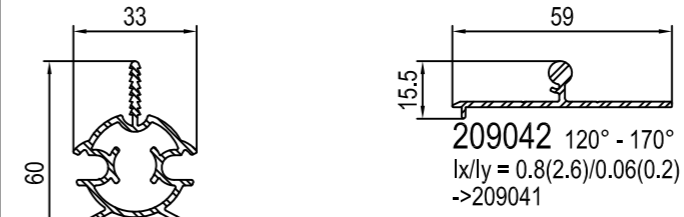
Profile dodatkowe



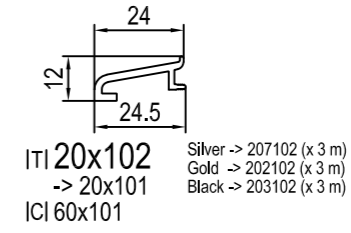
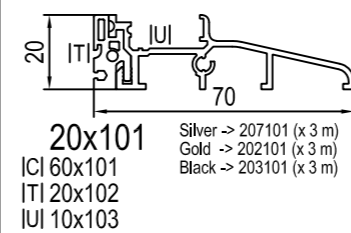
Wzmocnienie



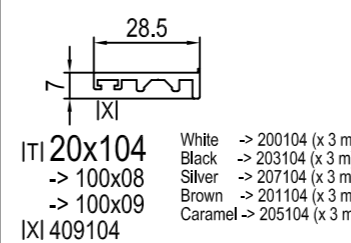
Profile alu.



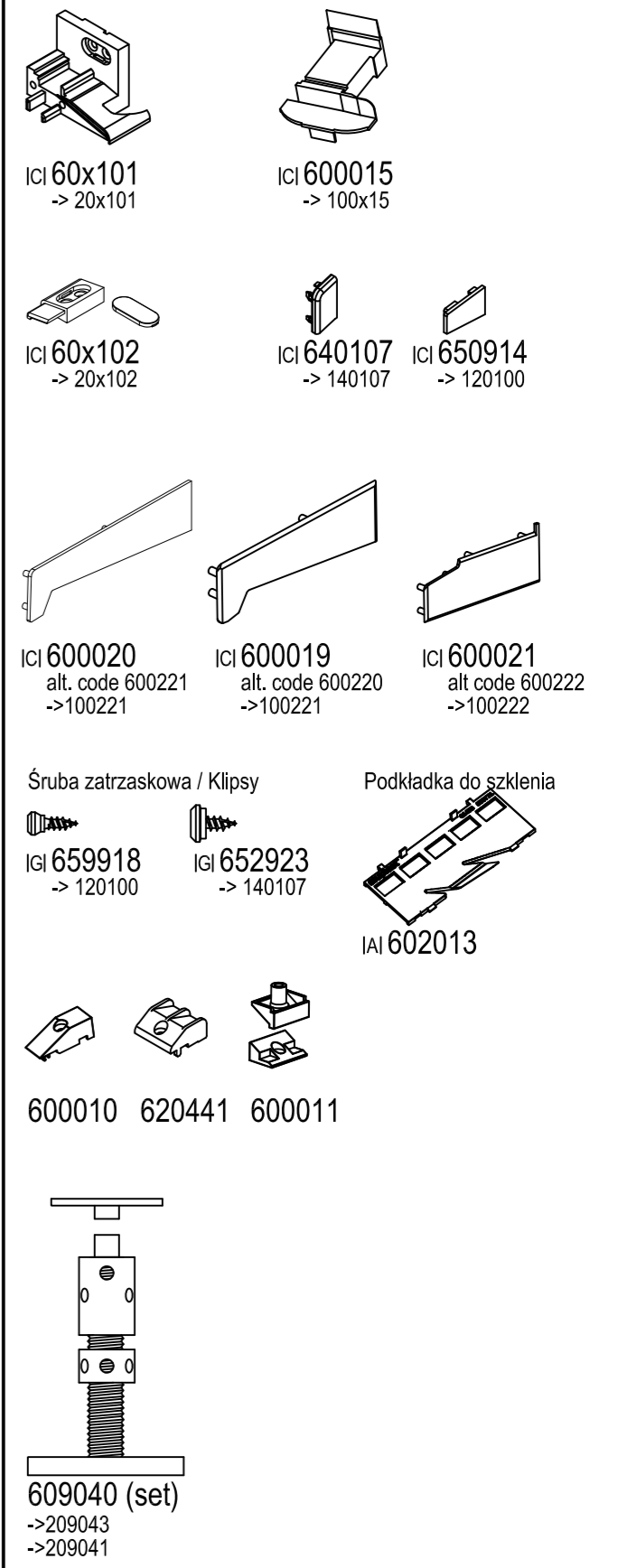
Progi aluminiowe



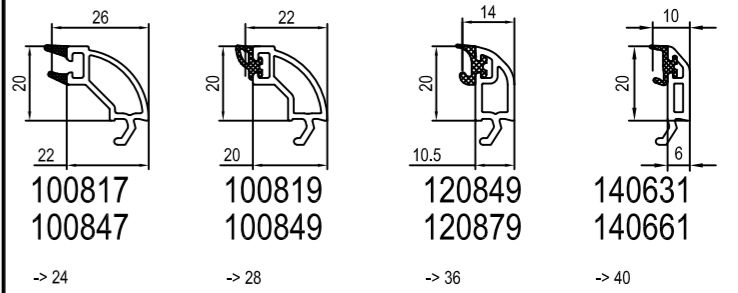
Aluminium okapnik



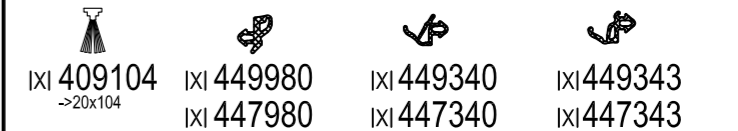
Dodatki



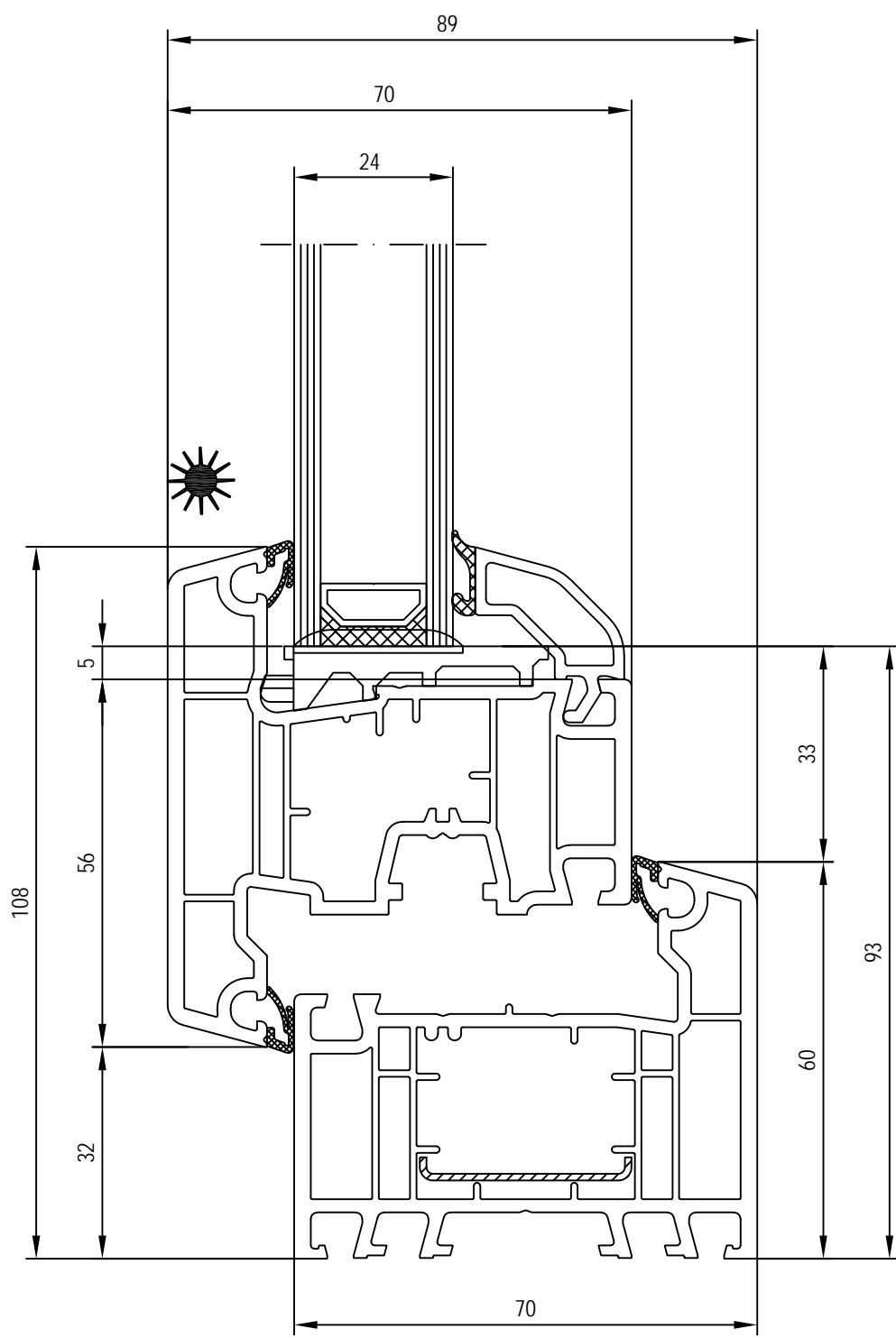
Listwa przyszybowa



Uszczelki



☑ bez okleina
IAI Podkładka do szklenia
ICI Zaślepki
IFI Wzmocnienie
IUI Progi aluminiowe
IXI Uszczelki
IGI Śruba zatraskowa / Klipsy
ITI Aluminium okapnik



frame profile 70mm: 100x53a
 sash profile 70mm: 100x55a
 glazing bead: 120846



IDEAL 4000 casement - opening outwards
 profile section

Profile główne

Rama

70

50

30

105

85

IFI

■ 100x52 (CL)
IAI 602013
IFI 209001, 229106
IPI 209352, 209452
IUI 20x101

70

60

40

105

85

IFI

■ 100x53 (CL)
IAI 602013
IFI 209001, 229117, 229119
IPI 209353, 209453
IUI 20x101

70

75

55

105

85

IFI

■ 100x54 (CL)
IAI 602013
IDI 605105 -> 20x101
IFI 209001, 209002, 209009, 259906
IPI 209354, 209454
IUI 20x101

Skrzydło

70

70

60

80

IFI

■ 100x57 (CL)
IAI 602013
IFI 209002, 209009

70

80

40

80

IFI

■ 100x58 (CL)
IAI 602013
IFI 209003, 209010, 209015
IPI 209358, 209453
IUI 20x101

70

80

60

80

IFI

■ 100x59 (CL)
IAI 602013
IFI 209003, 209010

Flush-Sash

51

19

65

84

IFI

■ 100x50 (CL)
IAI 650250 lub IAI 229029/030
IUI 642261, 642262
ICI 600051
IPI 600150
IXI 409051
IPI 209350

Skrzydło

70

75.5

35.5

28.5

IFI

■ 100x55 (CL)
IAI 650250, 650252, 650251
lub IAI
IFI 209005
IUI 642261, 642262, 642263
IPI 209355

70

62

19

43

51

IFI

■ 100x51 (CL)
IAI 650250 lub IAI
IFI 209051
IUI 642261, 642262
ICI 600051
IPI 600151
IXI 409051
IPI 209351

70

62

19

43

51

IFI

■ 140x20 (CL) -> 140x76
IAI 640301, 640311, 640320
IFI 229023, 229024, 229025, 229026,
229027, 229028, 249026
IPI 249450

Słupek

70

70

30

IFI

■ 100x56 (CL)
IAI 602013
IFI 209002, 209009, 209014
IPI 249346, 209452
IUI 20x101

Słupka ruchomego

70

70

36

IFI

■ 140x67 (SL)
ICI 640067
IFI 259094
IPI 249366
IXI 447340, 449340

Dodatki

IAI Podkładka do szklenia

602013
-> Rama
-> Skrzydło
-> Szczelbiny

650250 cze
-> 100x50
-> 100x51
-> 100x55

650252 cze
-> 100x50
-> 100x51
-> 100x55

655251 zie
-> 100x55

ICI Zasupek

605105 IUI 20x101

640067 -> 140x67

600051 -> 100x50, 100x51

60x102 ISI 20x102

640107 -> 140107

650914 -> 120100

650902 -> 120108

600220 -> 100220

600222 -> 100222

Łącznik bez kołnierzy

600151 P ~28.2x12.8x1000 mm
-> 100x51
+ IFI 209051

600150 P ~35x27x1000 mm
-> 100x50
+ IFI 229029, 229030

IFI Wzmocnienie (...) = lx, ly

(0.4)209001 s=1.2
-> 100x52, 100x53, 100x54

(4.0/5.0)229114 s=1.5
-> 140x30, 140x31

(6.4/5.0)229115 s=2.0
-> 140x30, 140x31

(0.3/1.1)209002 s=1.5
-> 100x54, 100x56, 100x57

(1.6)209003 s=1.5
-> 100x58, 100x59

(0.9/1.3)229117 s=2.0
-> 100x53

(1.6)209003 s=1.5
-> 100x58, 100x59

(0.7/1.0)229119 s=1.5
-> 100x53

(0.7/0.2)209005 s=1.5
-> 100x55

(2.2)209009 s=2.5
-> 100x54, 100x56, 100x57

(7.9/7.1)249013 s=2.0
-> 140x31

(4.0)209010 s=2.5
-> 100x58, 100x59

(5.1/2.1)249026 s=3.0
-> 140x20

ICI Śruba zatraskowa / Klipsy

659918 -> 120100

652923 -> 140107

654930 -> IPI aluskin
Nakładki aluminiowe

ICI I ogranicznik

600010

620441

600011

60x103

60x104

ICI Wklejamy szybami

642262 cza
-> 100x50, 100x51, 100x55

642261 cza
-> 100x50, 100x51, 100x55

642263 cza
-> 100x55

IFI Wzmocnienie (...) = lx, ly

(0.4)209014 s=1.5
-> 100x56
Alu

(6.9/5.5)249031 s=2.0
-> 140x30, 140x31

(0.5)209015 s=1.5
-> 100x58
Alu

(1.2/0.7)209026 s=3.0
-> 100220, 100221, 100222

(6.1/5.2)249034 s=1.25
-> 140x45

(9.2/7.8)249035 s=2.0
-> 140x45

(2.3/0.9)229023 s=1.5
-> 140x20

(3.4/2.1)259906 s=2.0
-> 100x54

(1.6/0.6)229025 s=1.0
-> 140x20

(3.1/0.4)259094 s=2.0
-> 140x67

(3.0/1.1)229024 s=1.5
-> 140x20

(3.8/1.5)229026 s=2.0
-> 140x20

(1.7/0.6)229027 s=1.5
-> 140x20

(2.1/0.8)229028 s=2.0
-> 140x20

(2.5/1.7)229029 s=1.25
-> 100x50

(3.7/2.5)229030 s=2
-> 100x50

ICI Śruba zatraskowa / Klipsy

659918 -> 120100

652923 -> 140107

654930 -> IPI aluskin
Nakładki aluminiowe

ICI I ogranicznik

600010

620441

600011

60x103

60x104

ICI Wklejamy szybami

642262 cza
-> 100x50, 100x51, 100x55

642261 cza
-> 100x50, 100x51, 100x55

642263 cza
-> 100x55

aluplast IPI aluskin Nakładki aluminiowe

SL 90 mm
AU 175mm

209353 (CL)
-> 100x53 (CL)

SL 145mm
AU 286mm

249331 (CL)
-> 140x31 (CL)

SL 105mm
AU 205mm

209354 (CL)
-> 100x54 (CL)

SL 111mm
AU 217mm

209355 (CL)
-> 100x55 (CL)

SL 108mm
AU 208mm

249343 (CL)
-> 140x45 (CL)

249346 (CL)
-> 100x56 (CL)

SL 116mm
AU 227mm

209358 (CL)
-> 100x58 (CL)

SL 102mm
AU 199mm

209350 (CL)
-> 100x50 (CL)

SL 88 mm
AU 166mm

249450 (CL)
-> 140x20 (CL)

249450 (CL)
-> 140x20 (CL)

SL 80mm
AU 155mm

209351 (CL)
-> 100x51 (CL)

SL 55mm
AU 105mm

209452 (CL)
-> 100x52 (CL)
-> 100x56 (CL)

SL 116mm
AU 222mm

249460 (CL)
-> 140x30 (CL)

SL 80mm
AU 155mm

209454 (CL)
-> 100x54 (CL)

SL 89mm
AU 173mm

249443 (CL)
-> 140x45 (CL)

SL 80mm
AU 155mm

209453 (CL)
-> 100x53 (CL)
-> 100x58 (CL)

SL 65mm
AU 125mm

Profile dodatkowe

Łączniki

39

20

100270
-> 209044
-> 209041

82

18

100271
-> 209041

Zewnętrzne parapety okienne

180

~115

42.5

30

120108
ICI 650902

150

~85

42.5

30

100220
ICI 600220

85

30

100222

Abdeckleiste

22

10x103
IUI 20x101

Wetterschenkel

32

20

120100
IGI 659918

15

32

140107
IGI 652923

ISI Profile alu.

33

20

5

70

20x101
Silver -> 207101 (x 3 m)
Gold -> 202101 (x 3 m)
Black -> 203101 (x 3 m)
IDI 605105 -> 100x54
ITI 20x102
IUI 10x103

209041 120° - 170°
lx/ly = 2.1(6.3)/0.9(2.8) cm4
-> 100270
-> 100271

ISI

24

12

24.5

20x102
-> 20x101
Silver -> 207102 (x 3 m)
Gold -> 202102 (x 3 m)
Black -> 203102 (x 3 m)

ITI Aluminium okapnik

28.5

7

IXI

20x104
-> 100x08
-> 100x09
IXI 409104

White -> 200104 (x 3 m)
Black -> 203104 (x 3 m)
Silver -> 207104 (x 3 m)
Brown -> 201104 (x 3 m)
Caramel -> 205104 (x 3 m)

209044
lx/ly = 0.2(0.8)/2.9(8.7) cm4
-> 100270

SL długość widoczna
AU obwód zewnętrzny

-> do

cza czarny papierowa biel

(CL) Classic-line
(SL) Soft-line

Listwa przyszybowa

26

22

120836 cza
120866 pbi
Szklą
-> 24 mm

24

22

120636 cza
120666 pbi
Szklą
-> 28 mm

14

20

10

120832 cza
120862 pbi
Szklą
-> 36 mm

10

20

140631 cza
140661 pbi
Szklą
-> 40 mm

IXI Uszczelki

IXI 459951 cza lub IXI 449986 cza
-> Szklą -> Szklą

IXI 429320 cza lub IXI 449346 cza
-> Zewnętrznym -> Zewnętrznym

IXI 409051 cza
-> 100x50, 100x51

IXI Uszczelka szcztokowa

4.8

12

8.9

17

IXI 409104
ITI 20x104

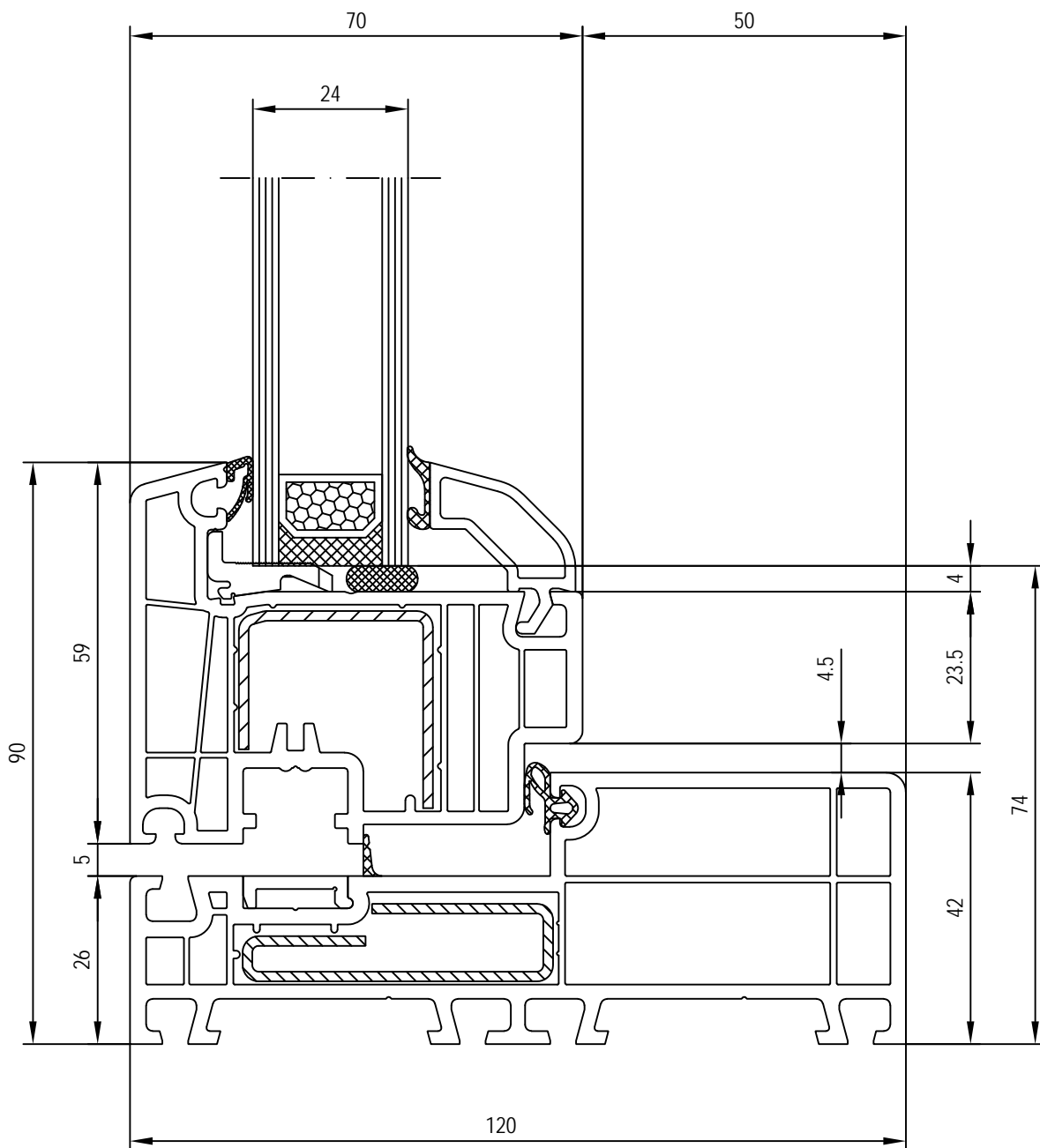
IXI 409050
-> Frame

Wklejamy szybami

1)

2)

lub



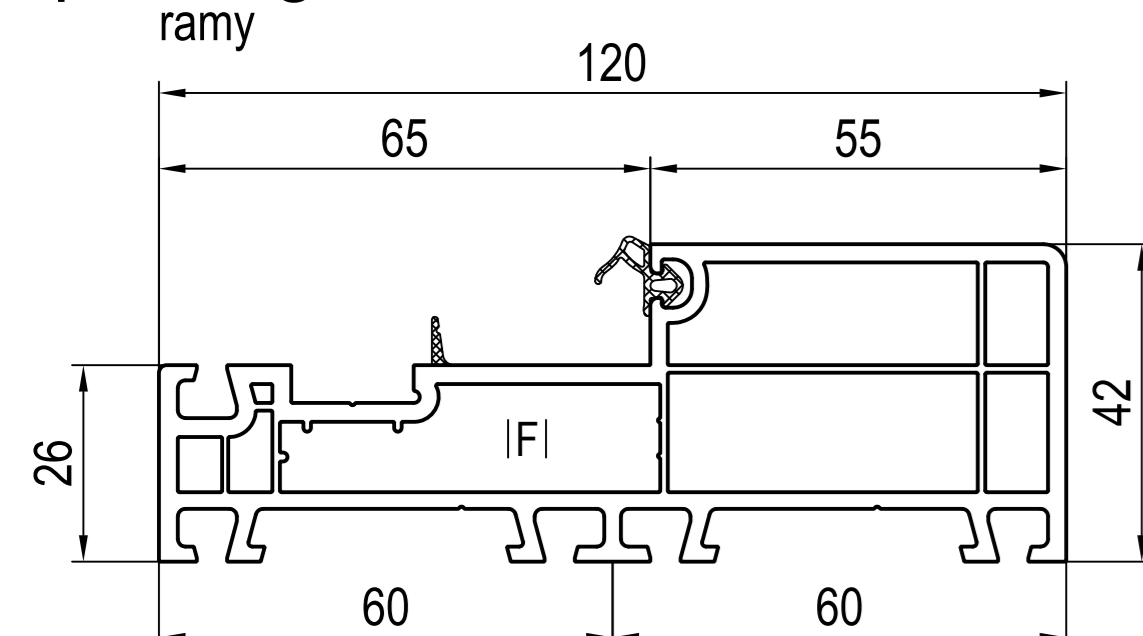
frame profile 120mm: 140x90
 sash profile 70mm: 140x94
 glazing bead: 120846



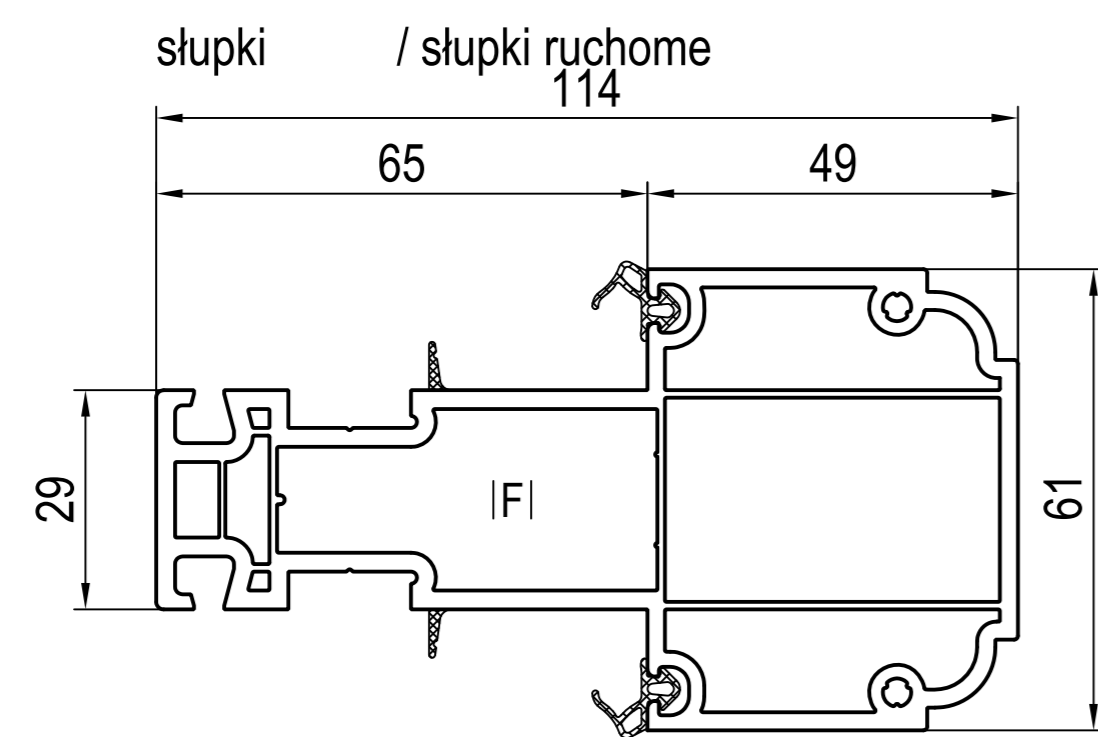
IDEAL 4000 NORD-LINE

profile section

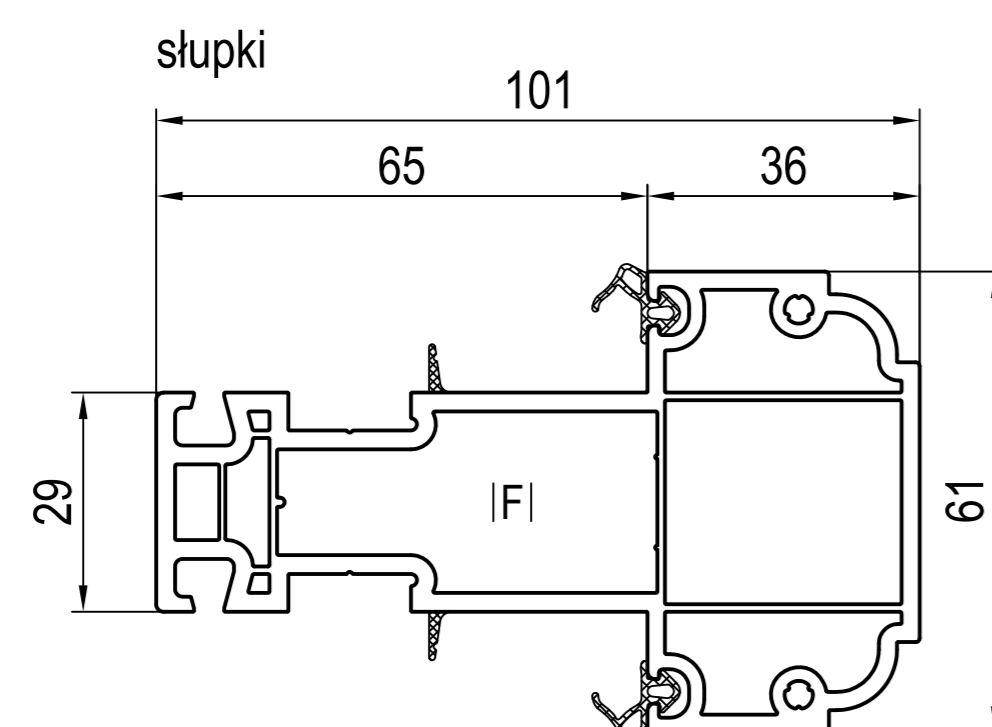
profile główne



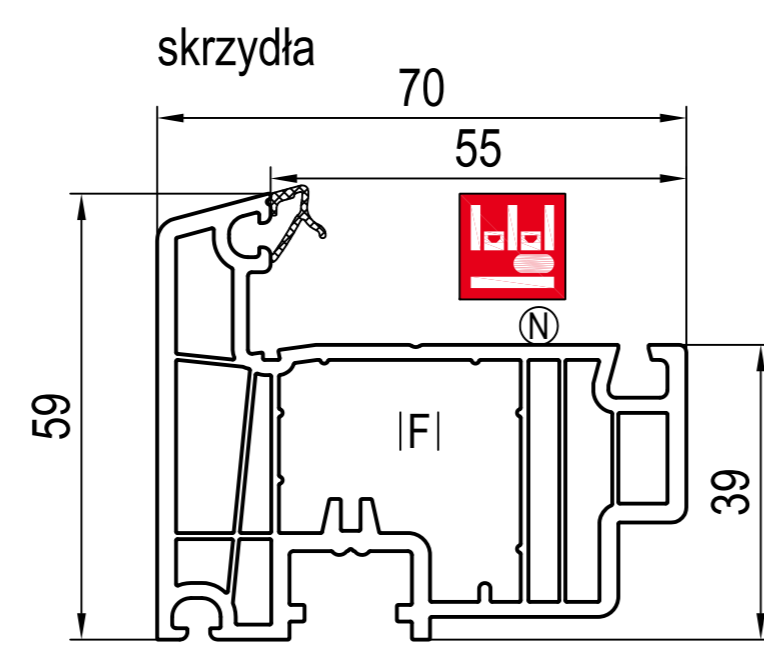
■ 140x90 NORD-LINE (CL)
IFI 249190
IZI 646193



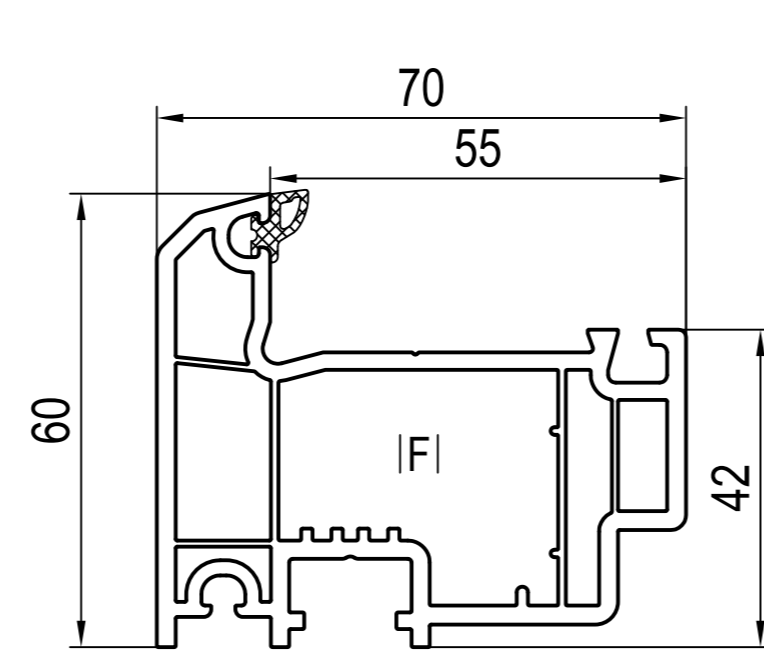
■ 140x99 NORD-LINE (HL)
ICI 640199
IDI 647191 ~140x90 ...
IFI 249198



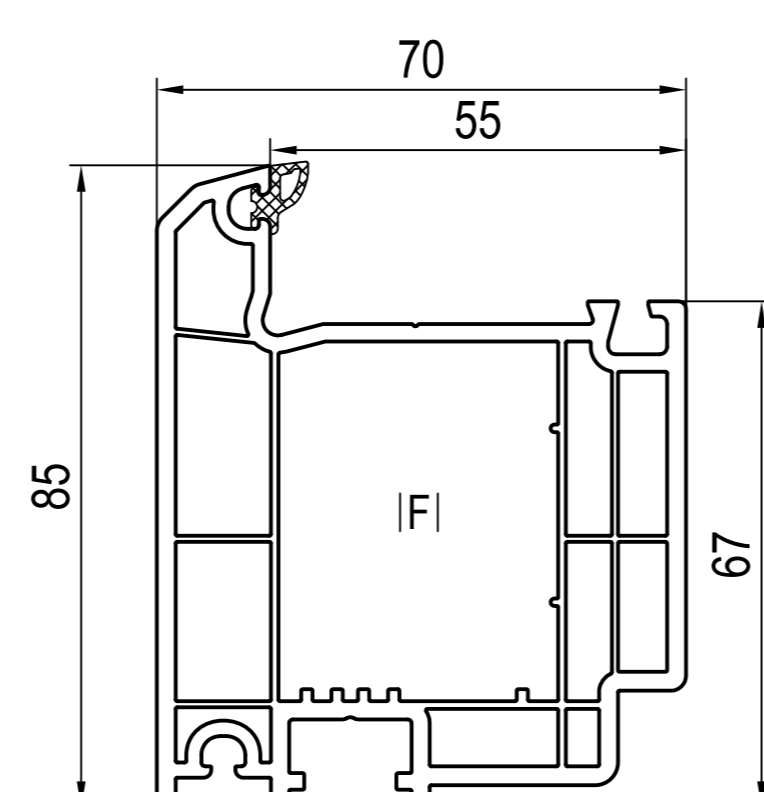
■ 140x98 NORD-LINE (HL)
IDI 647191 ~140x90 ...
IFI 249198



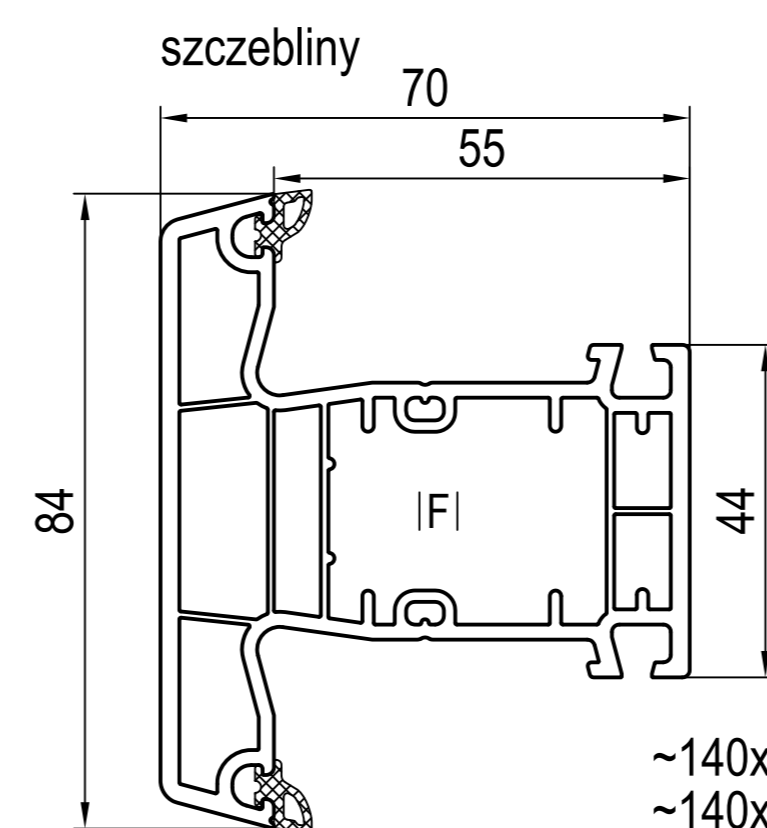
■ 140x94 NORD-LINE (CL)
IFI 249194, 249204
NIJI 642230, 642232, 642233



■ 140x93 NORD-LINE (SL)
IAI 642300
IFI 249192

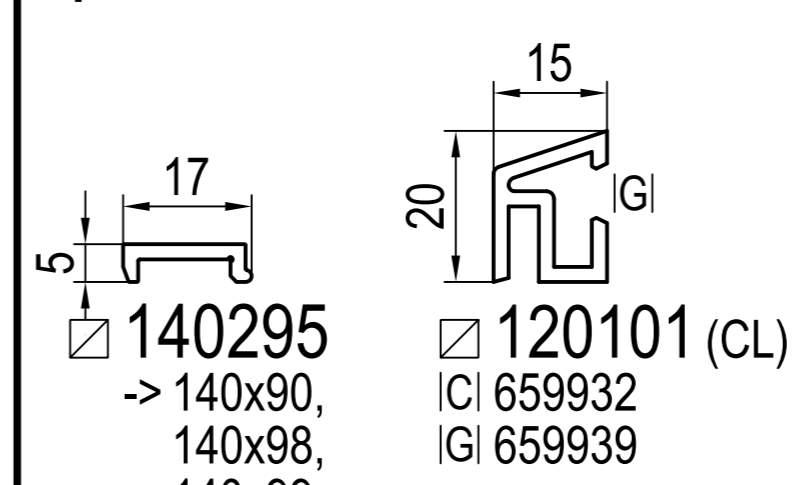


■ 140x95 NORD-LINE (SL)
IAI 642300
IFI 249195



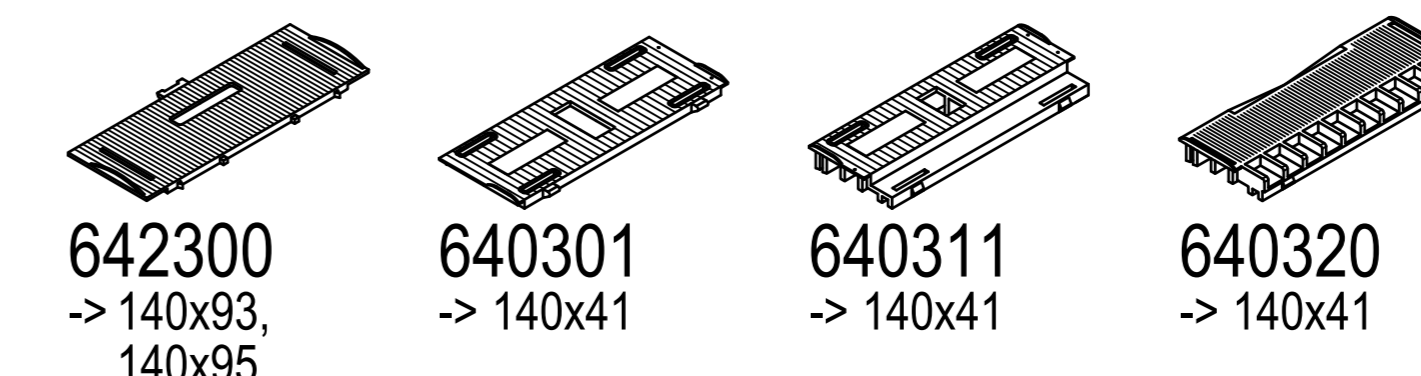
■ 140x41 IDEAL 4000 (CL)
IAI 640301, 640311, 640320
DI 647131, 649131, 647132 ~140x4x ...
DI 647101, 649101, 647102 ~140x4x ...
DI 620046 ~uniwersalny
FI 229098, 229100, 229101

profile dodatkowe

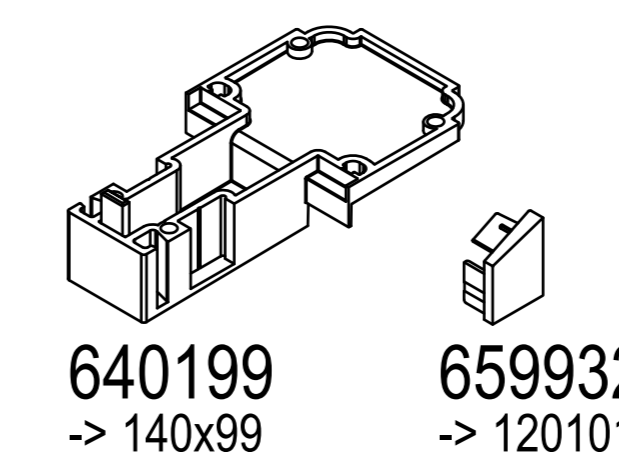


dodatki

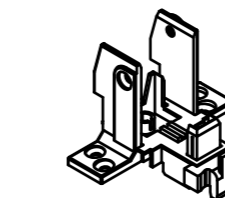
IAI podkładki do szklenia



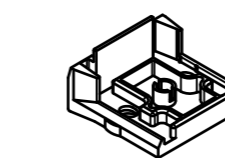
ICI zaślepki



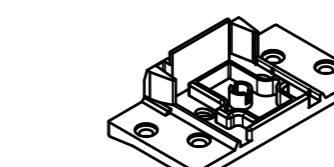
IDI łączniki
IDI łączniki bez kolnierzy P-plastikowy



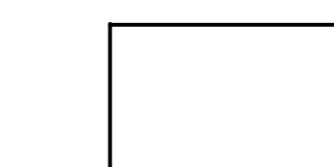
IDI 647191
-> 140x98,
140x99
ICI 640906
~140x90 ...



IDI 649131 P
IDI 649101 P
IDI 647131
IDI 647101
-> 140x41,
140x47
ICI 640900
~140x4x ...
~140x93
~140x95

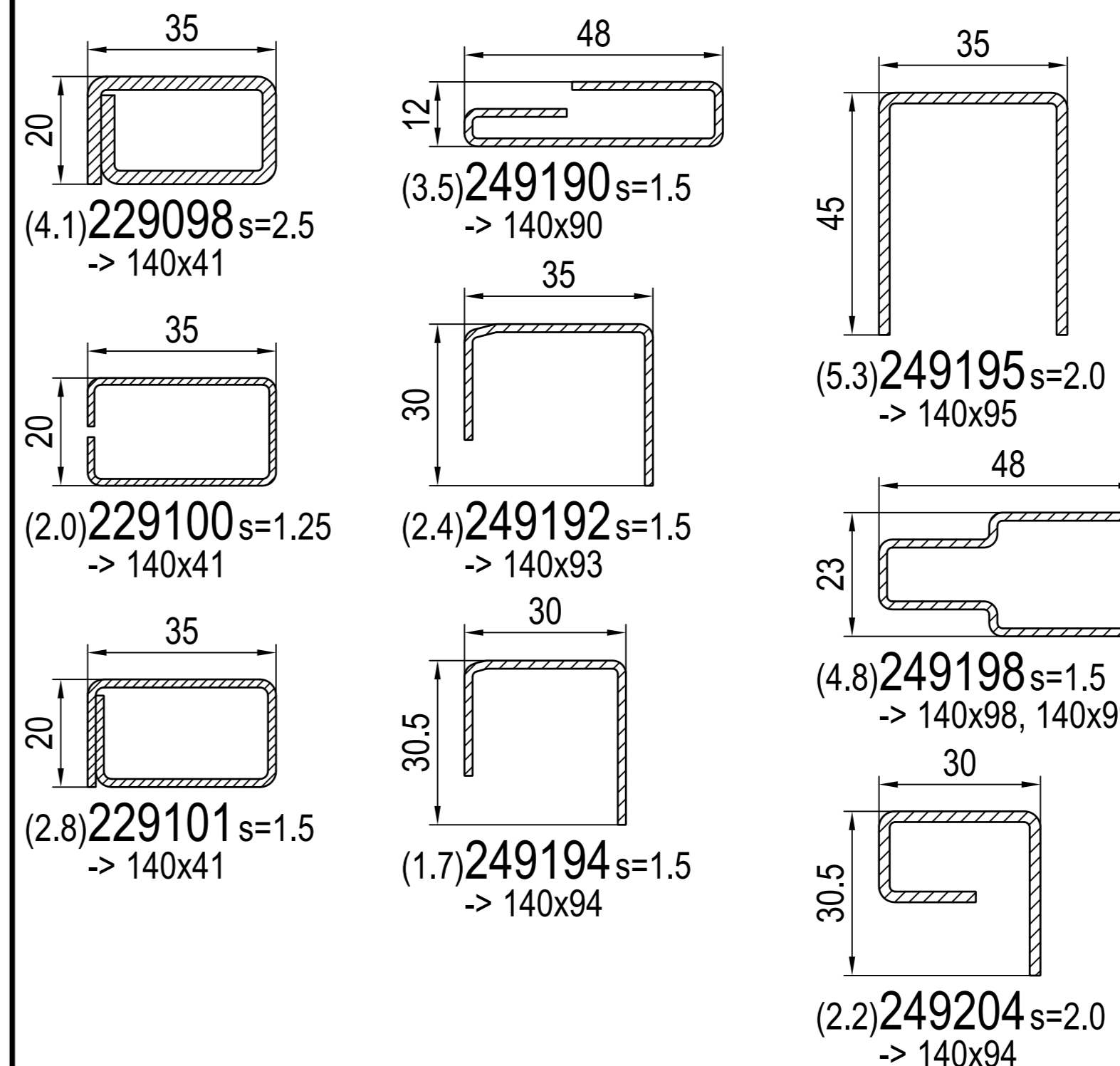


IDI 647132
IDI 647102
-> 140x41,
140x47
ICI 640900
~140x4x ...
~140x93
~140x95



IDI 620046 P
~35x20x1000mm
-> 120x41, 120x45,
140x41, 140x47,
170x41
~uniwersalny

IFI wzmocnienia (...) = lx

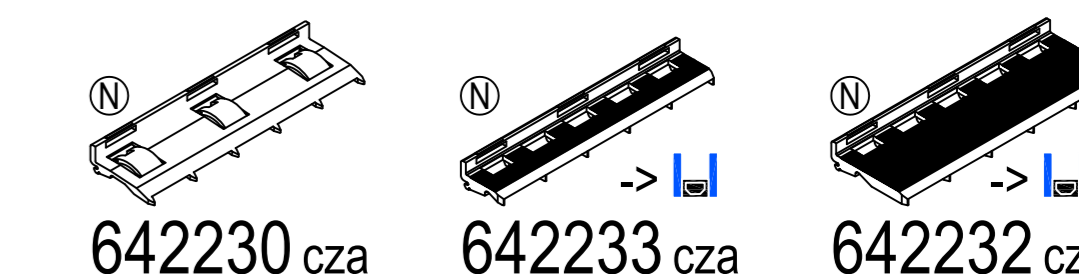
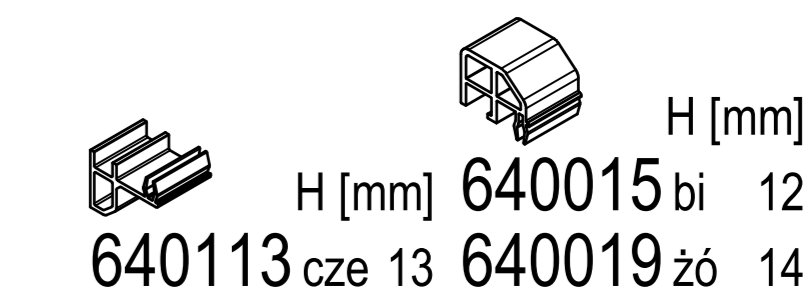
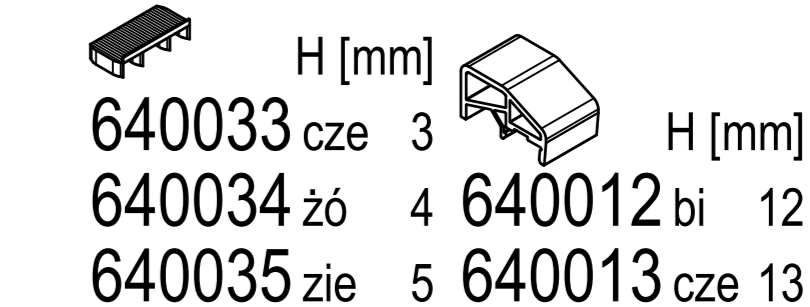


IGI elementy mocujące

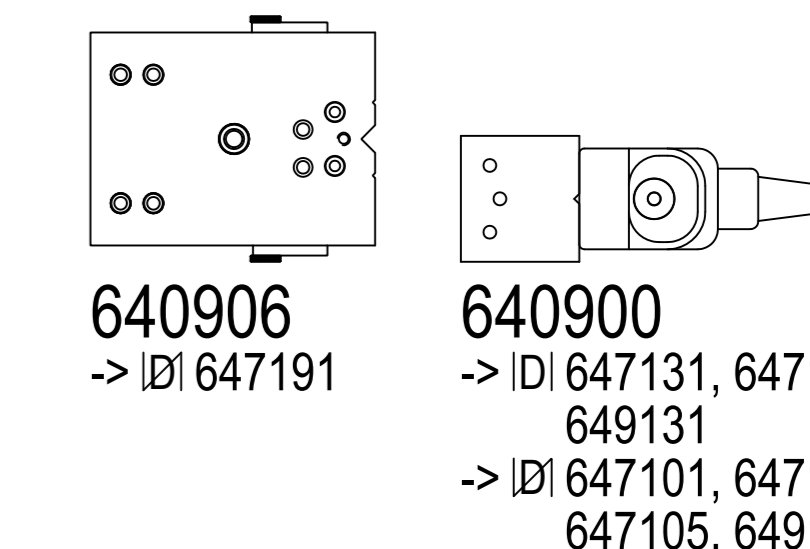


659939
-> 120101

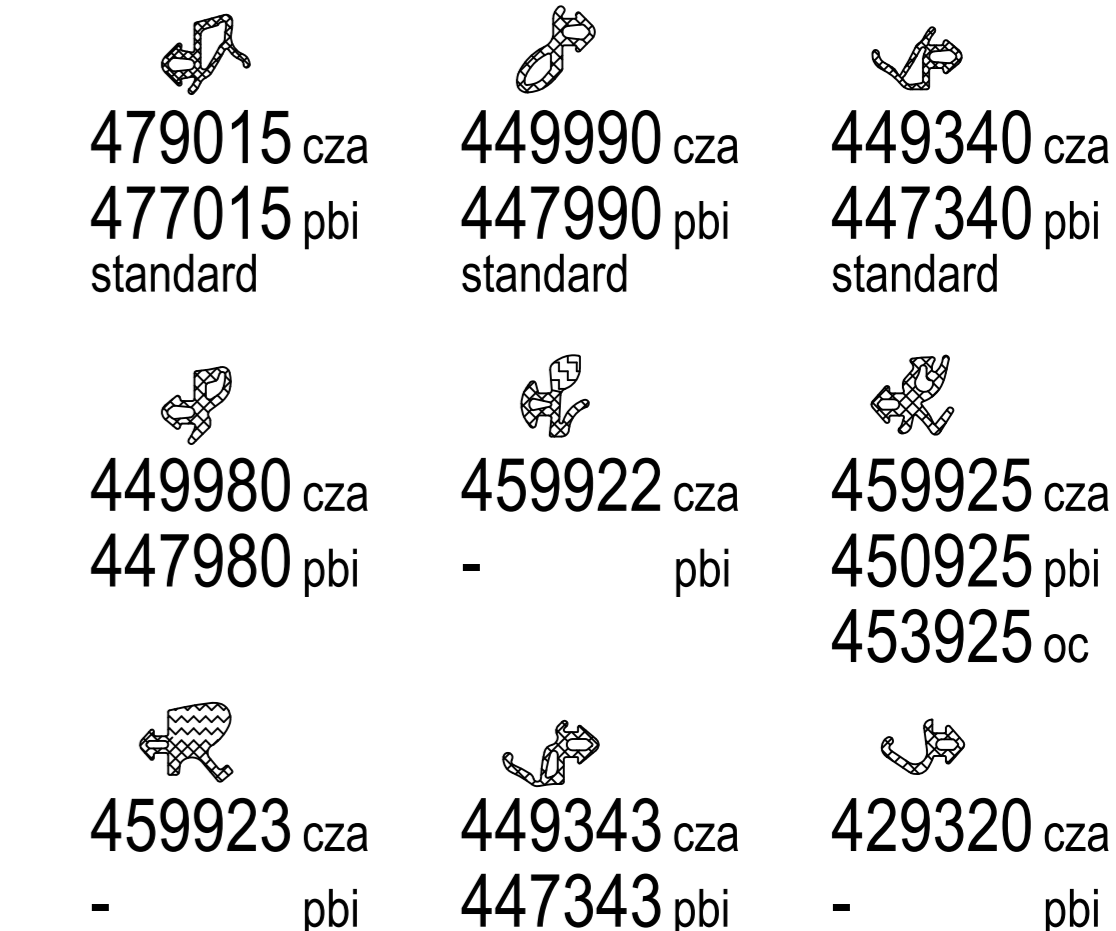
IJI wklejana szyba
-> 140x94



OII elementy pomocnicze



XII uszczelki



ZII pozostałe dodatki



646193
-> 140x90

- Ⓜ wklejana szyba
- ☐ nie występuje w kolorze (brak okleiny)
- występuje w kolorze (okleina)
- > do
- (CL) Classic-line
- (RL) Round-line
- (SL) Soft-line
- (HL) Historik-line
- cza czarny
- pbi papierusowa biel
- oc ochra