



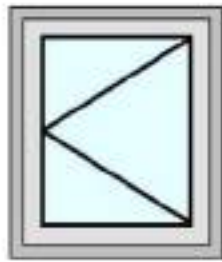
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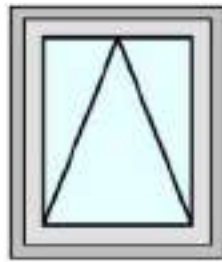
# Tipologii ferestre și uși



1



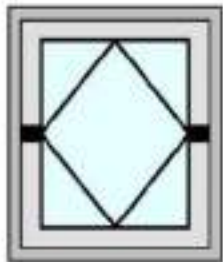
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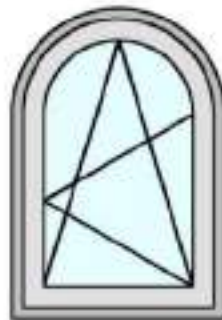
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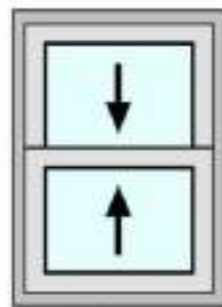
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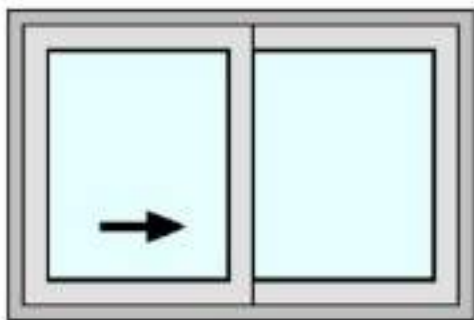
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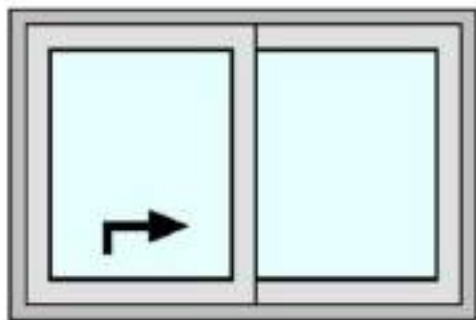
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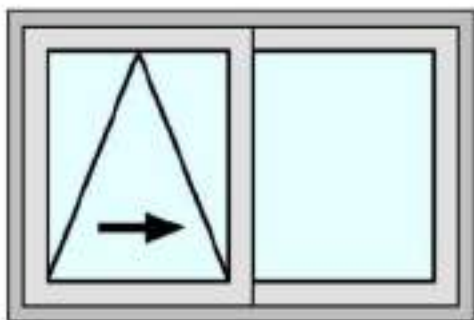
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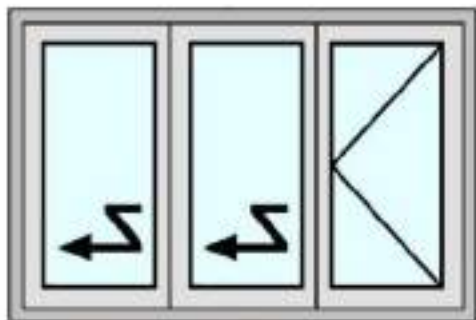
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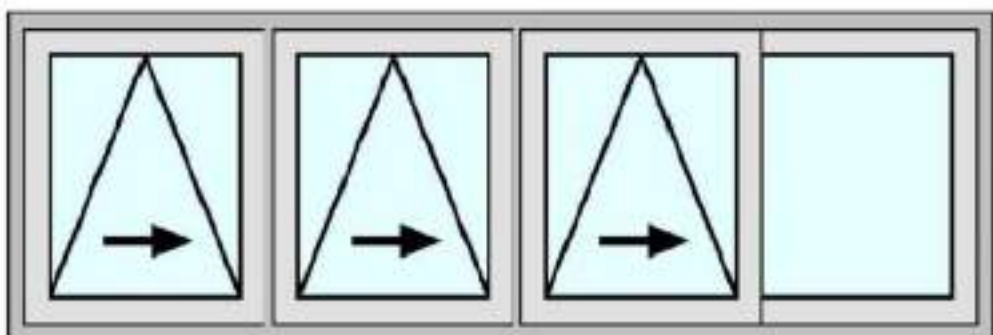
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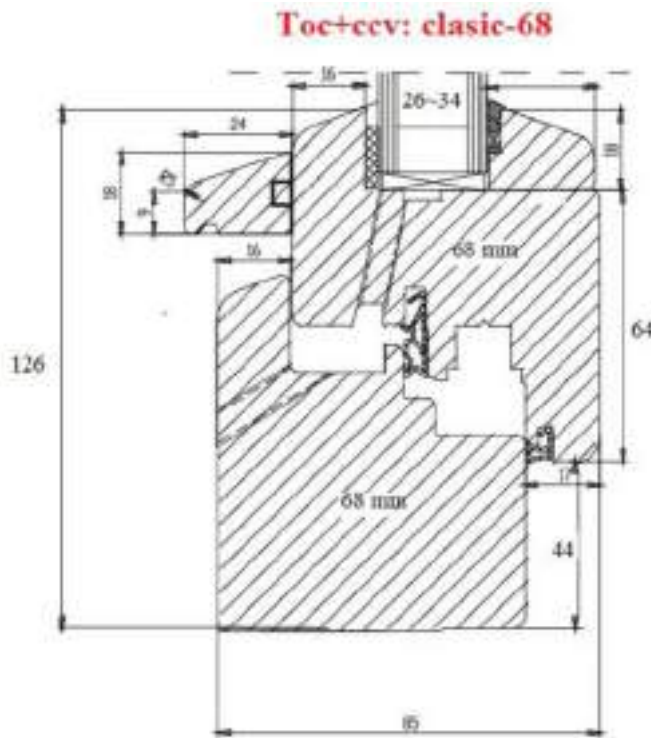


12



13

# Ferestre tradiționale Toc+ccv 68



## Ferestre tradiționale:

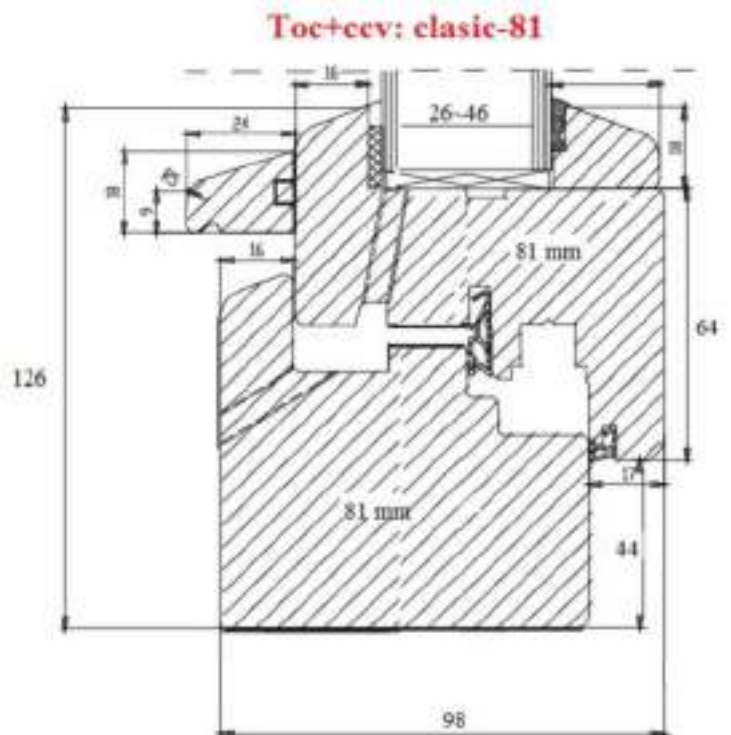
Gama retro sau tradițională este formată din tâmplării care duc cu gândul la ferestrele de pe vremuri chiar dacă performanțele noilor tâmplării sunt mult mai mari decât al celor vechi;

Picurătorul sau lacrimarul de lemn, montat în locul celor din aluminiu care se folosește în mod uzual, va face ca ferestrele să pară ca cele din vechime;

- permite montarea geamului termopan și tripan cu grosimi cuprinse între 26 mm și 34 mm
- adancime de montaj 68mm

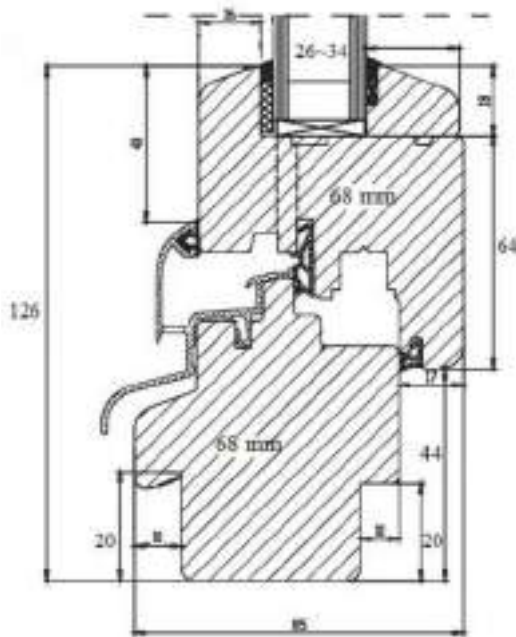
# Ferestre tradiționale Toc+ccv 81

- permite montarea geamului termopan și tripan cu grosimi cuprinse între 26 mm și 46 mm
- adancime de montaj 81mm



## Secțiuni 68 mm

Toc + ccv: standard - 68



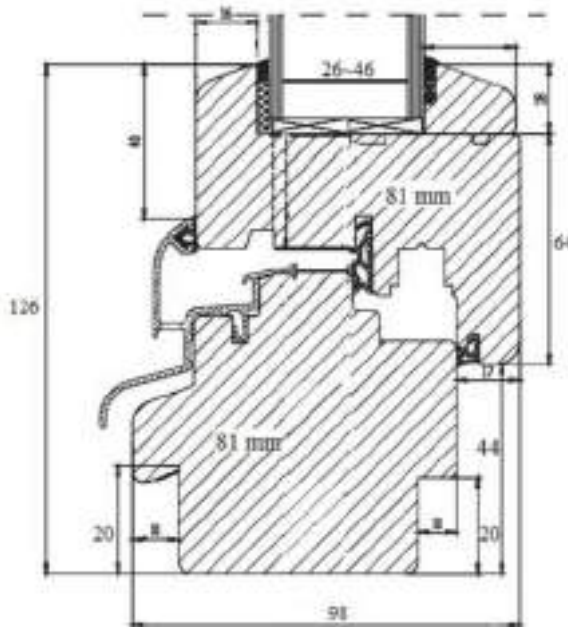
### Caracteristici tehnice

**Seria 68 mm: profil clasic, elegant.**  
Se pretează pentru zonele cu climă temperată, pentru imobile cu ferestre de dimensiuni mici și medii, pentru proiectele cu buget redus.

- permite montarea geamului termopan și tripan cu grosimi de la 26mm la 34mm
- adâncime de montaj 68mm
- două garnituri

## Secțiuni 81 mm

Toc + ccv: standard - 81



### Caracteristici tehnice

**Seria 81 mm: profil masiv, robust**  
Se pretează pentru imobilele din zone cu o climă racoroasă, pentru cei care construiesc case pasive și pentru cei care doresc tâmplărie cu performanțe cu adevărat excepționale

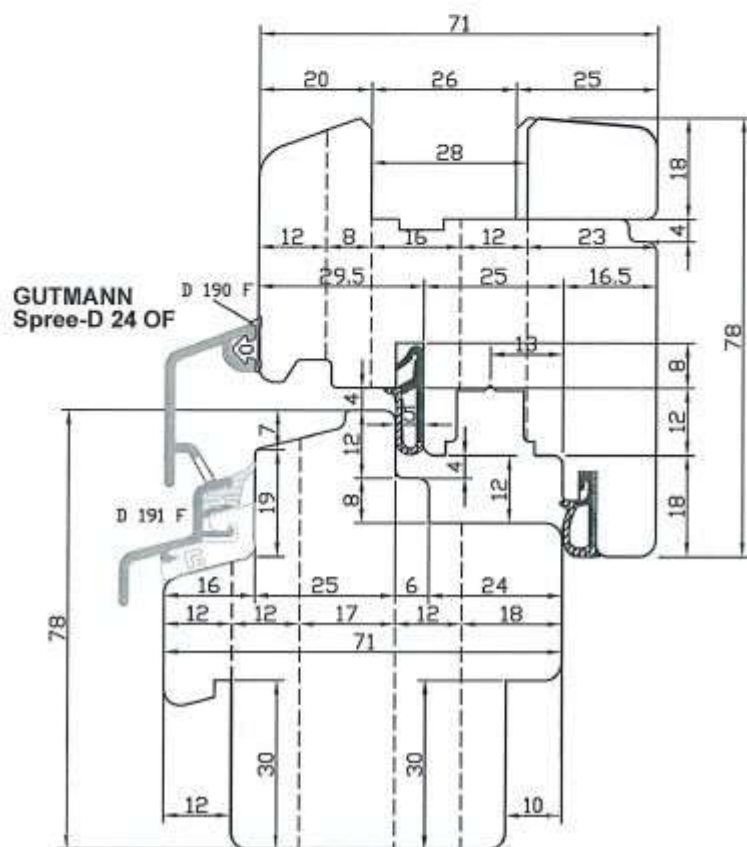
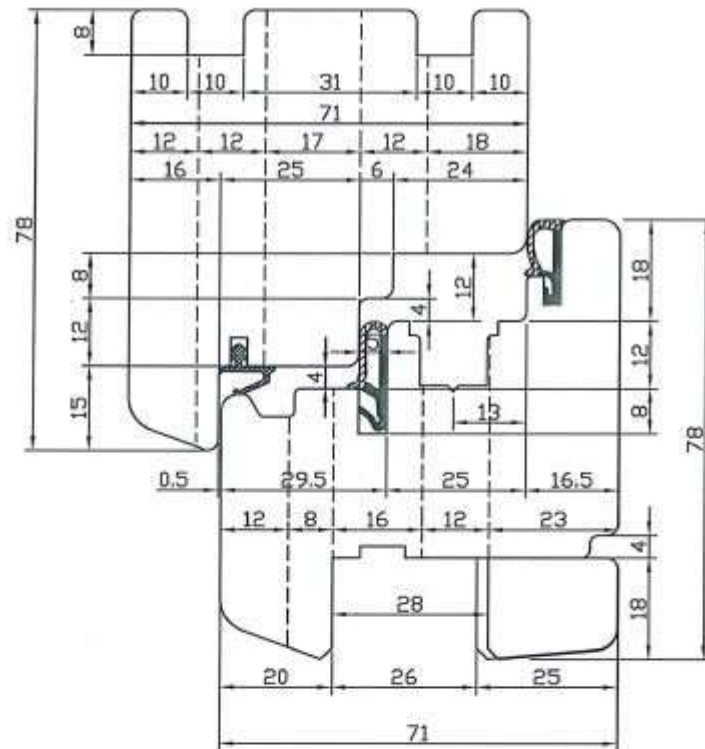
- permite montarea geamului termopan și tripan cu grosimi cuprinse între 26 mm și 46 mm
- adâncime de montaj 81mm
- două garnituri

# Seria Plus.71

Grosime termopan/tripan: de la 26 mm până la 40mm

Număr garnituri: 3

Adâncime montaj 71 mm

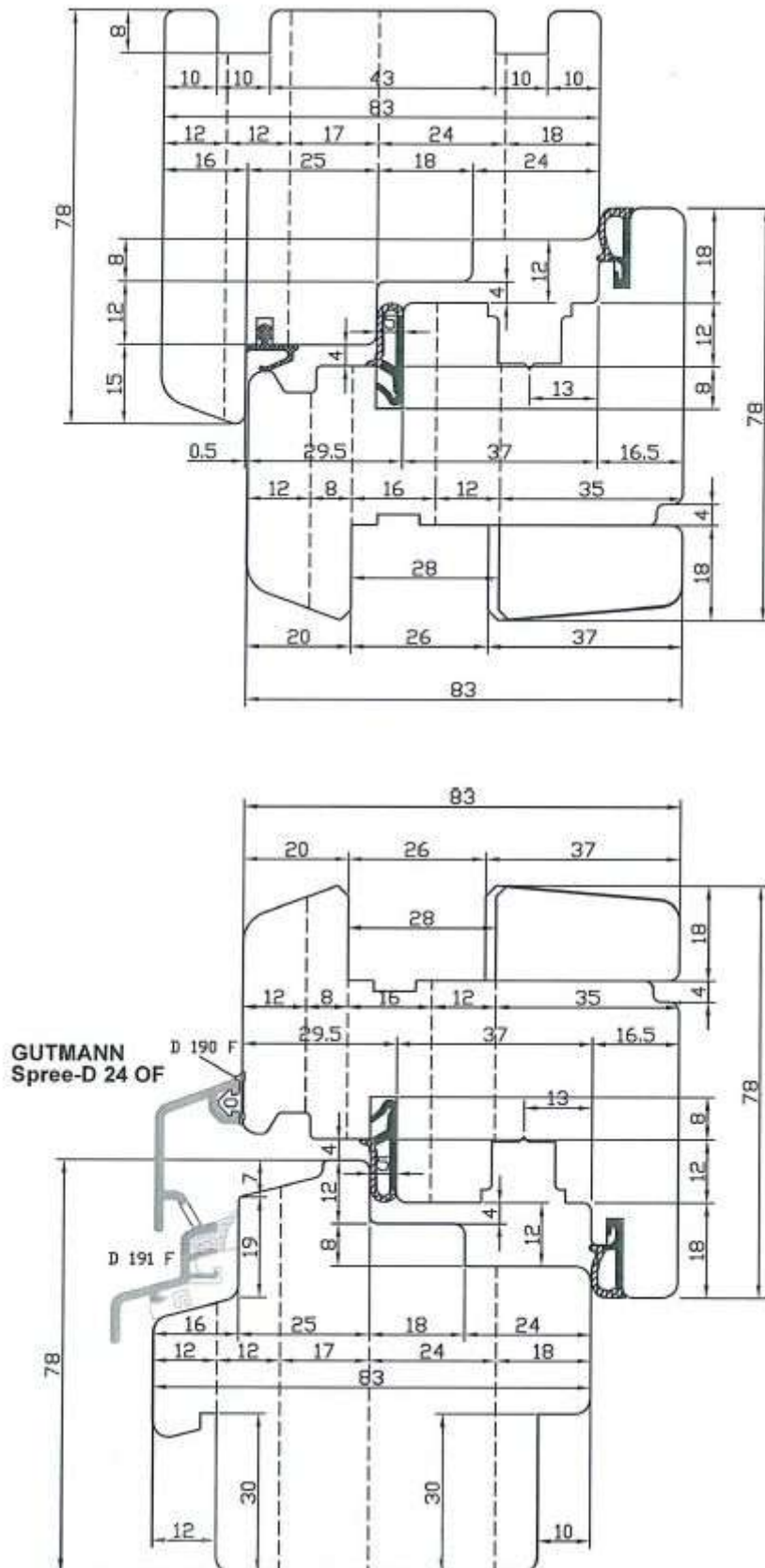


# Seria Robust.83

Grosime termopan/tripan: de la 26 mm până la 52 mm

Număr garnituri: 3

Adâncime montaj 83 mm

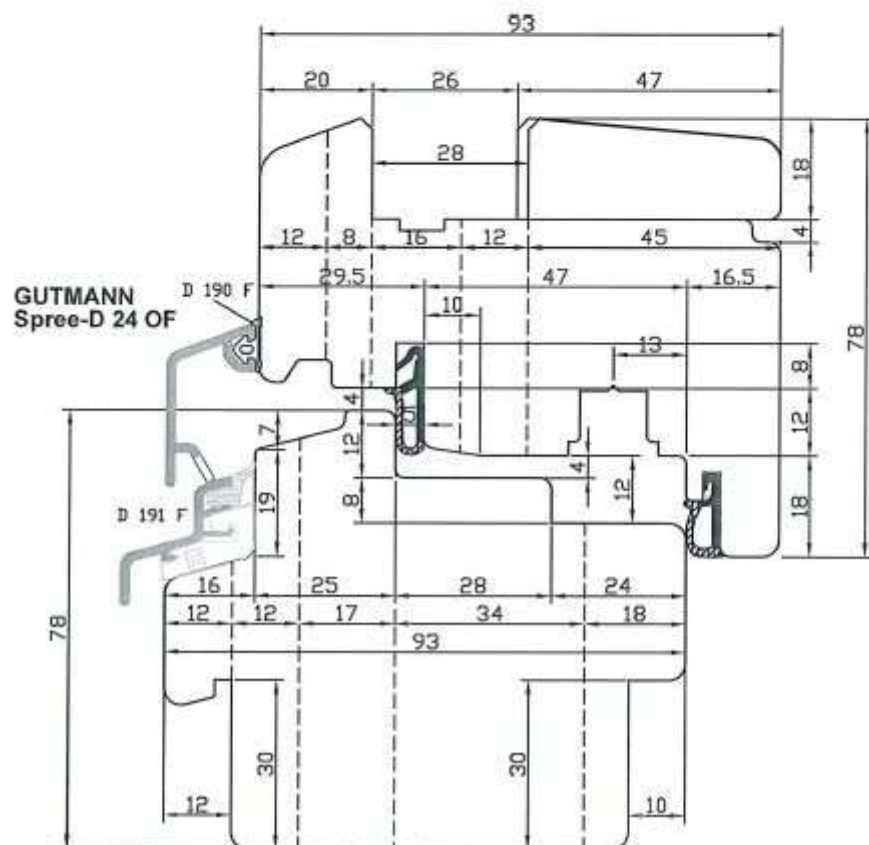
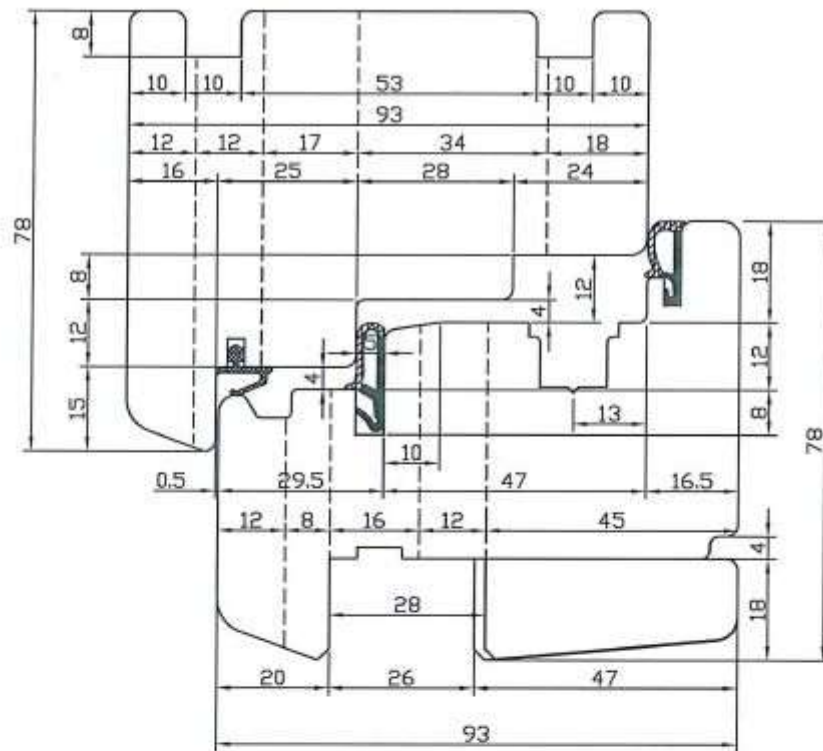


# Seria Premium.93

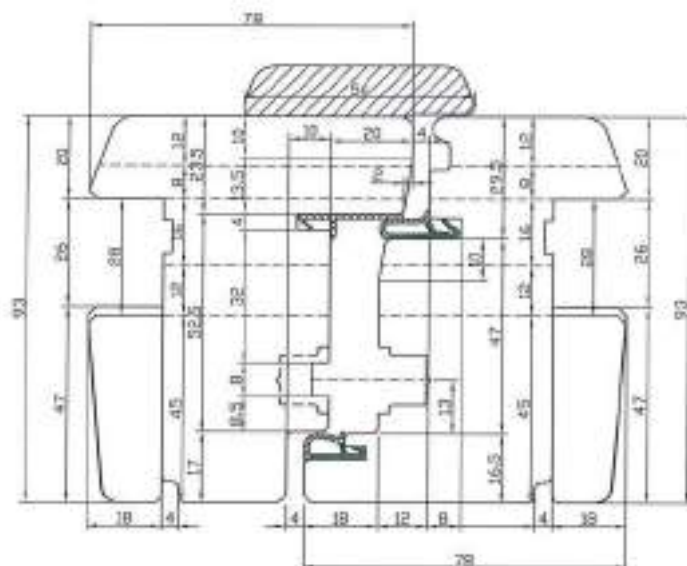
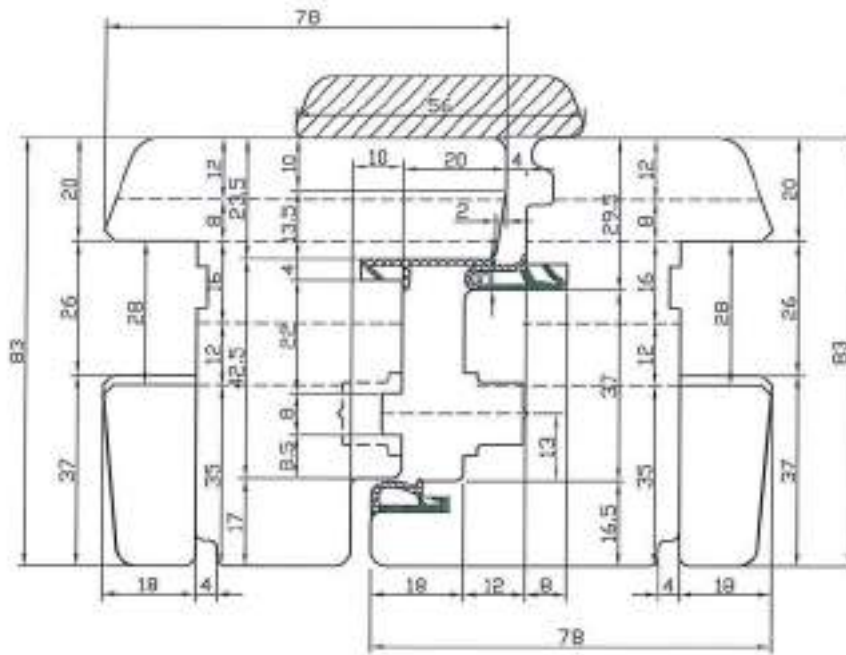
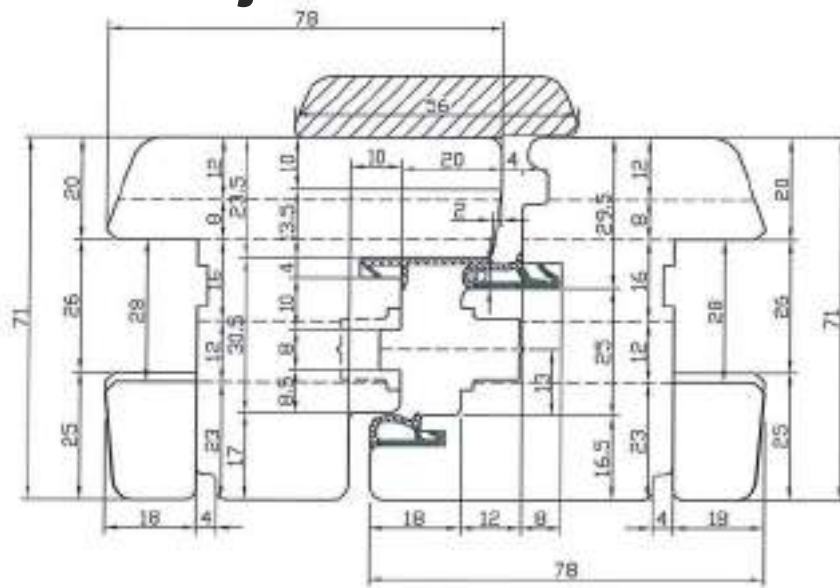
Grosime termopan/tripan: de la 26 mm până la 62 mm

Număr garnituri: 3

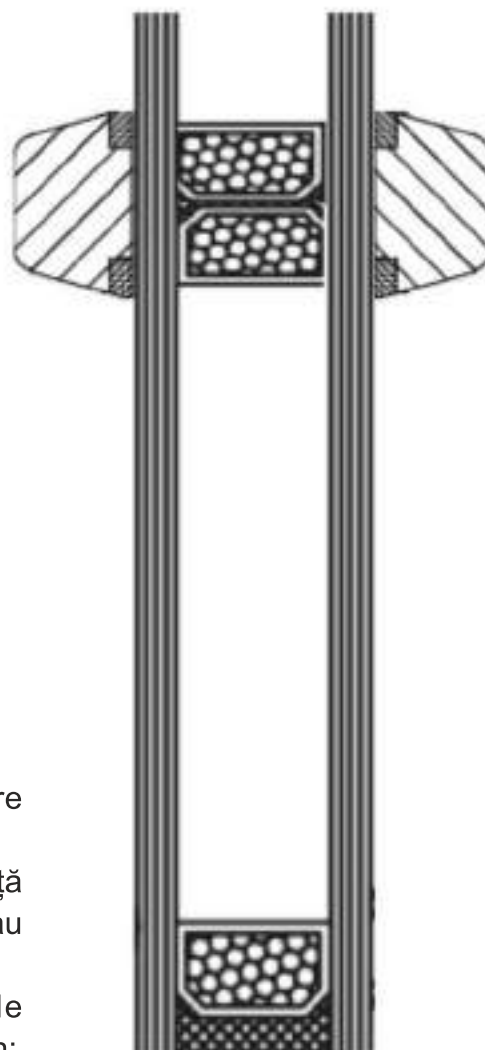
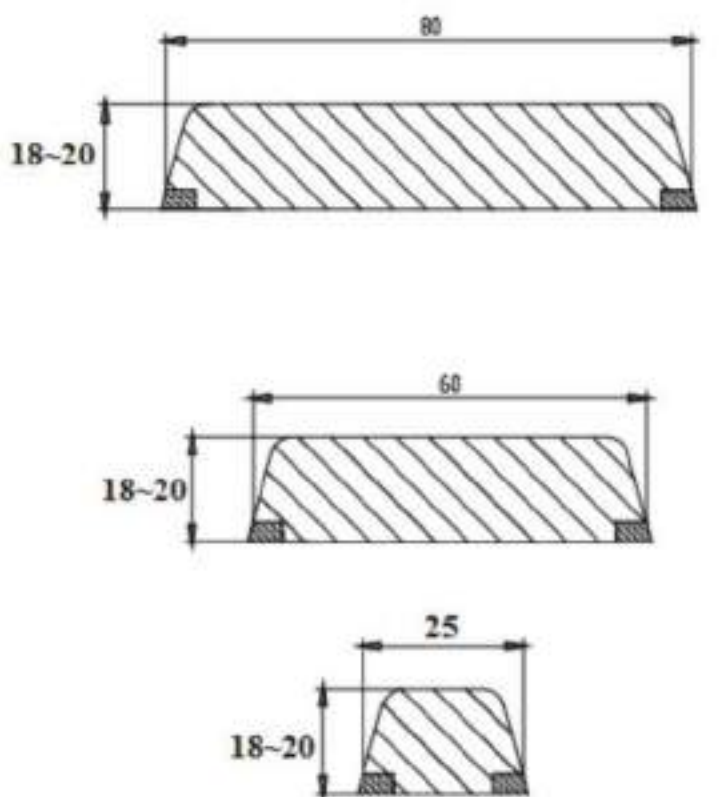
Adâncime montaj 93 mm



# Sectiuni mijloc-2C



# Șprose ornamentale



Șprosele sunt elemente decorative elegante care transformă o fereastră simplă într-una cu personalitate.

Ferestrele și ușile din lemn trebuie să "arate altfel" față de tâmplăria din PVC, iar șprosele și alte ornamente dau o notă deosebită tâmplăriei din lemn.

Șprosele se fac în trei variante în funcție de dimensiunea și design-ul clădirii ori al tâmplăriei din lemn;

# Șprose și traverse

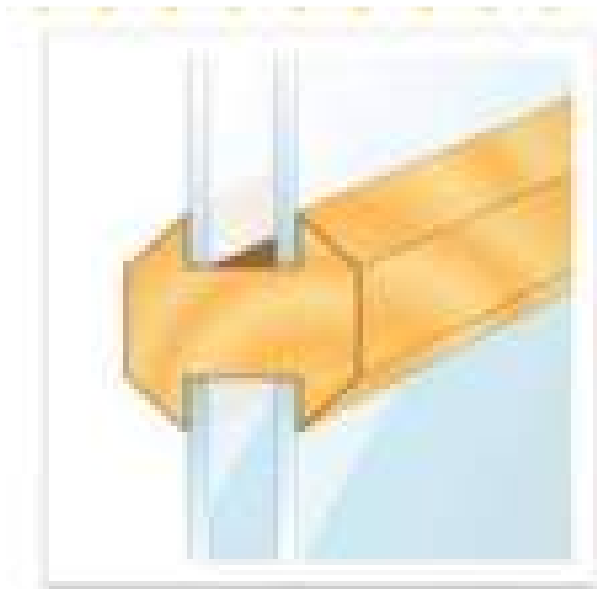
Despărțitoare de sticlă



Șproasă 25



Șproasă 35



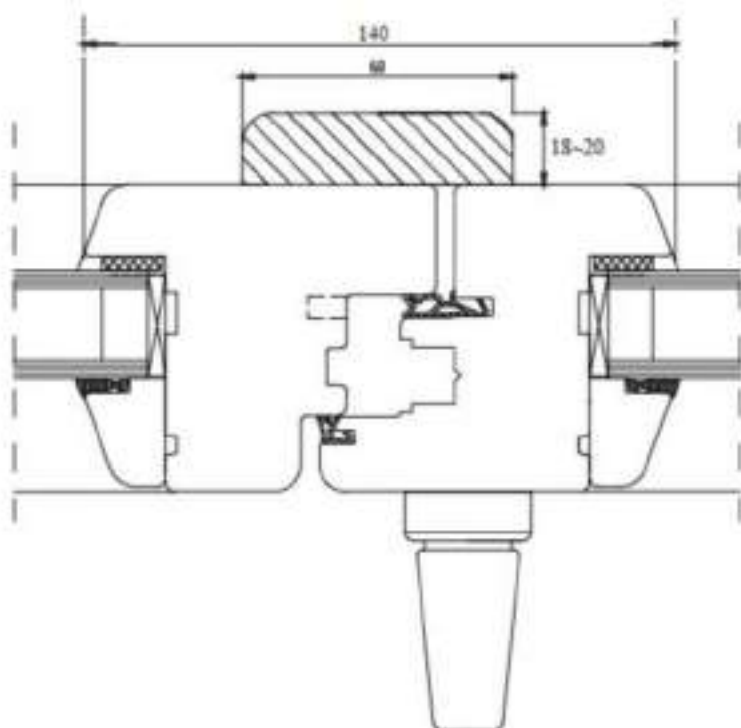
Traversă - 80



Traversă - 110

## Șipcă 2c

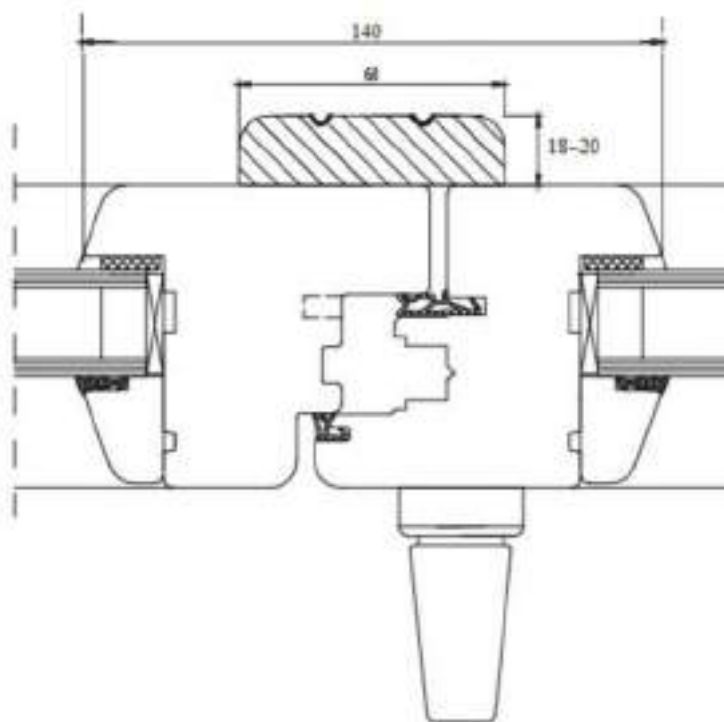
**Model A**



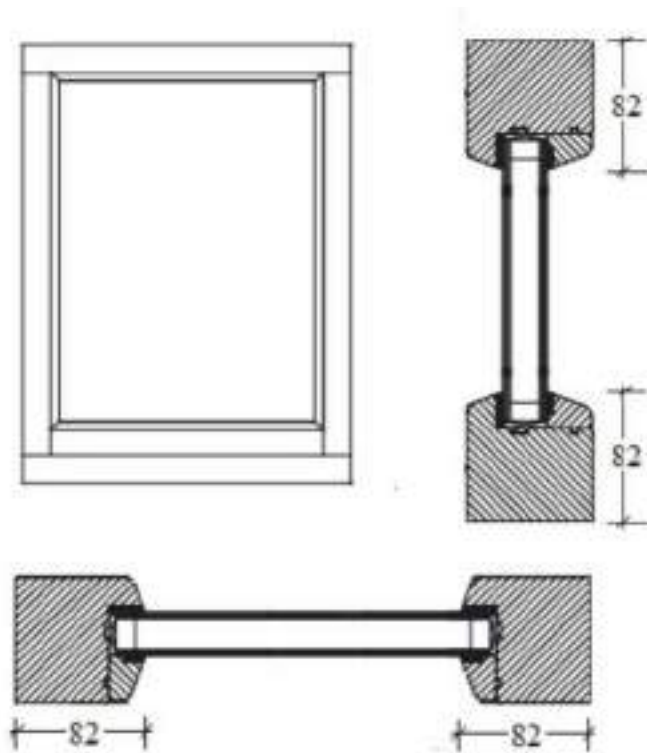
Acolo unde se închid cele două canate mobile, se pune un ornament numit "șipcă 2c".

Șipcă poate fi fabricată într-o multitudine de forme și dimensiuni, aducând un plus major tâmplăriei din lemn.

**Model B**



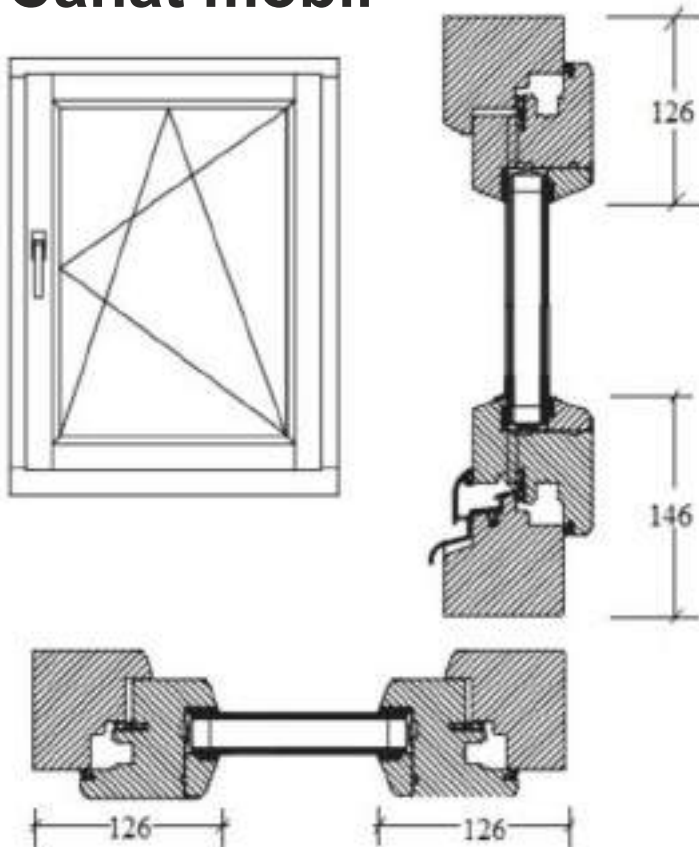
## Canat fix



Vitrinele mari sunt deseori fabricate "fix" pentru a oferi suprafață vitrată maximă.

Un alt avantaj este coeficientul termic mult îmbunătățit datorită geamului care reprezintă procentual mult din suprafața ferestrei fixe.

## Canat mobil

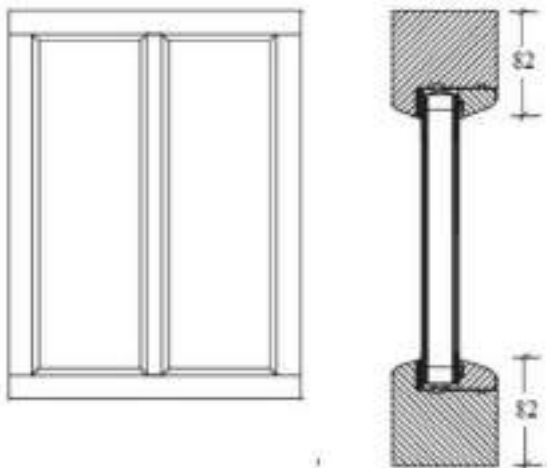


Funcționalitatea unei ferestre este asigurată de canatul mobil și implicit a feroneriei cu care este echipat.

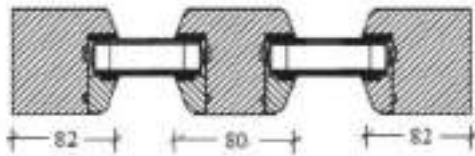
Varietatea sistemelor de acționare este colosală, așa cum veți putea observa în paginile următoare.

# Ferestre fixe și mobile

## Fereastră fix + fix

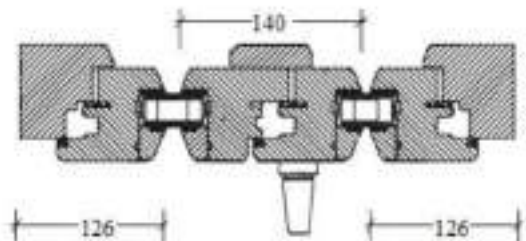
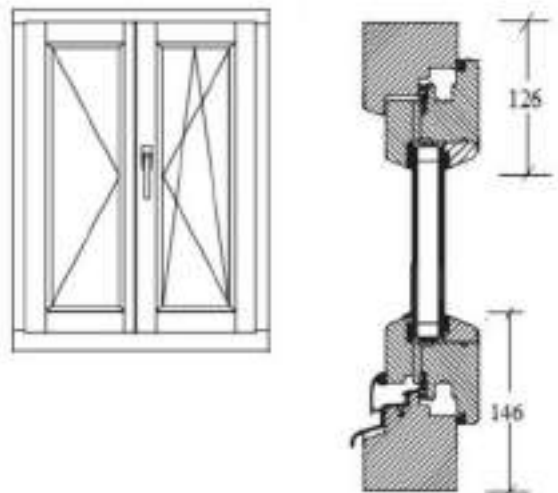


Panourile fix+fix reprezintă varianta optimă atunci când se dorește suprafață vitrată foarte mare și preț mic.

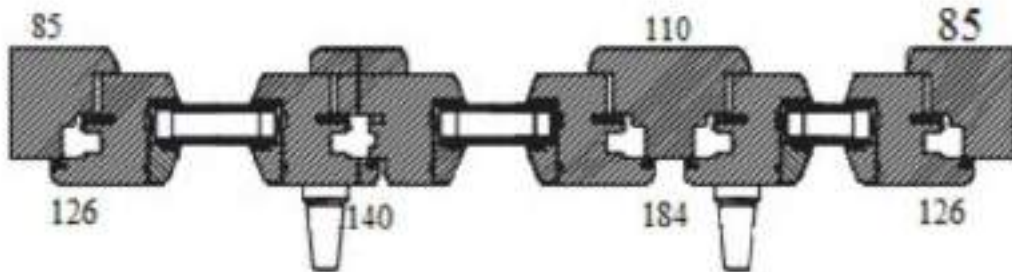
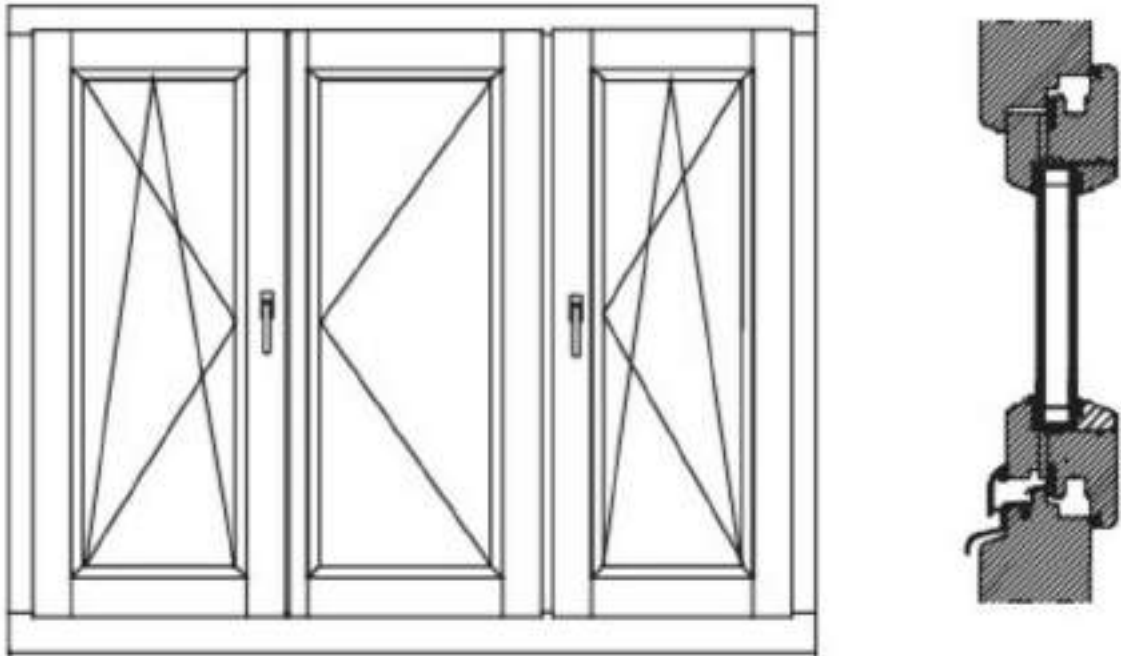


## Fereastră dublu canat: mobil + mobil

Este cea mai uzuală variantă deoarece permite deschideri mari cu lățimi de 1.000-2.000 mm și înălțimi de 1.000-2.500 mm (variantea fixă permite geamuri mai mari). Se poate face un canat batant și unul oscilobatant, sau ambele oscilobatante.

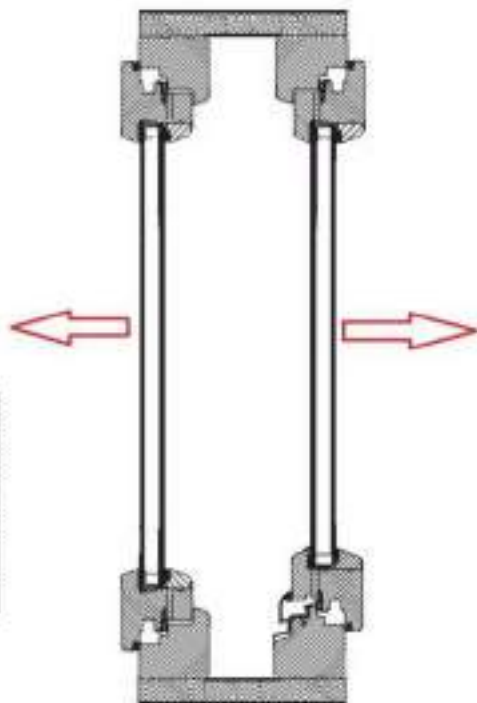
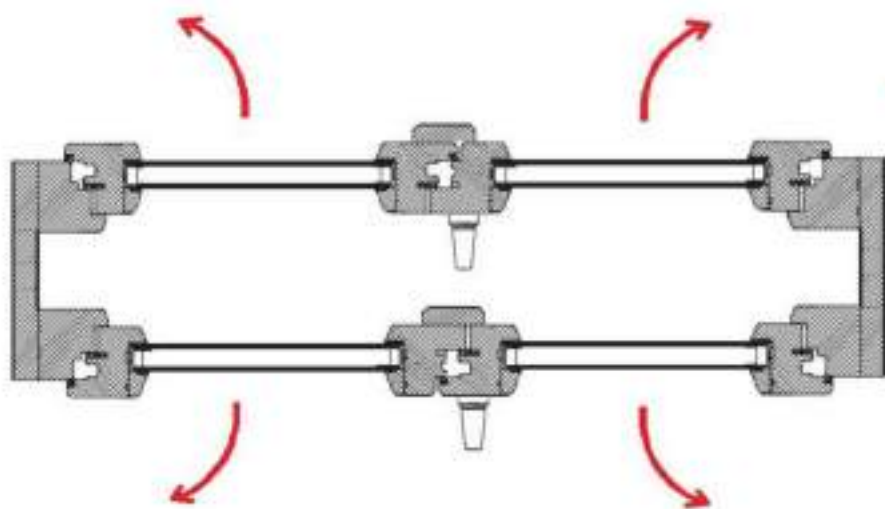


## Fereastră canat mobil + mobil



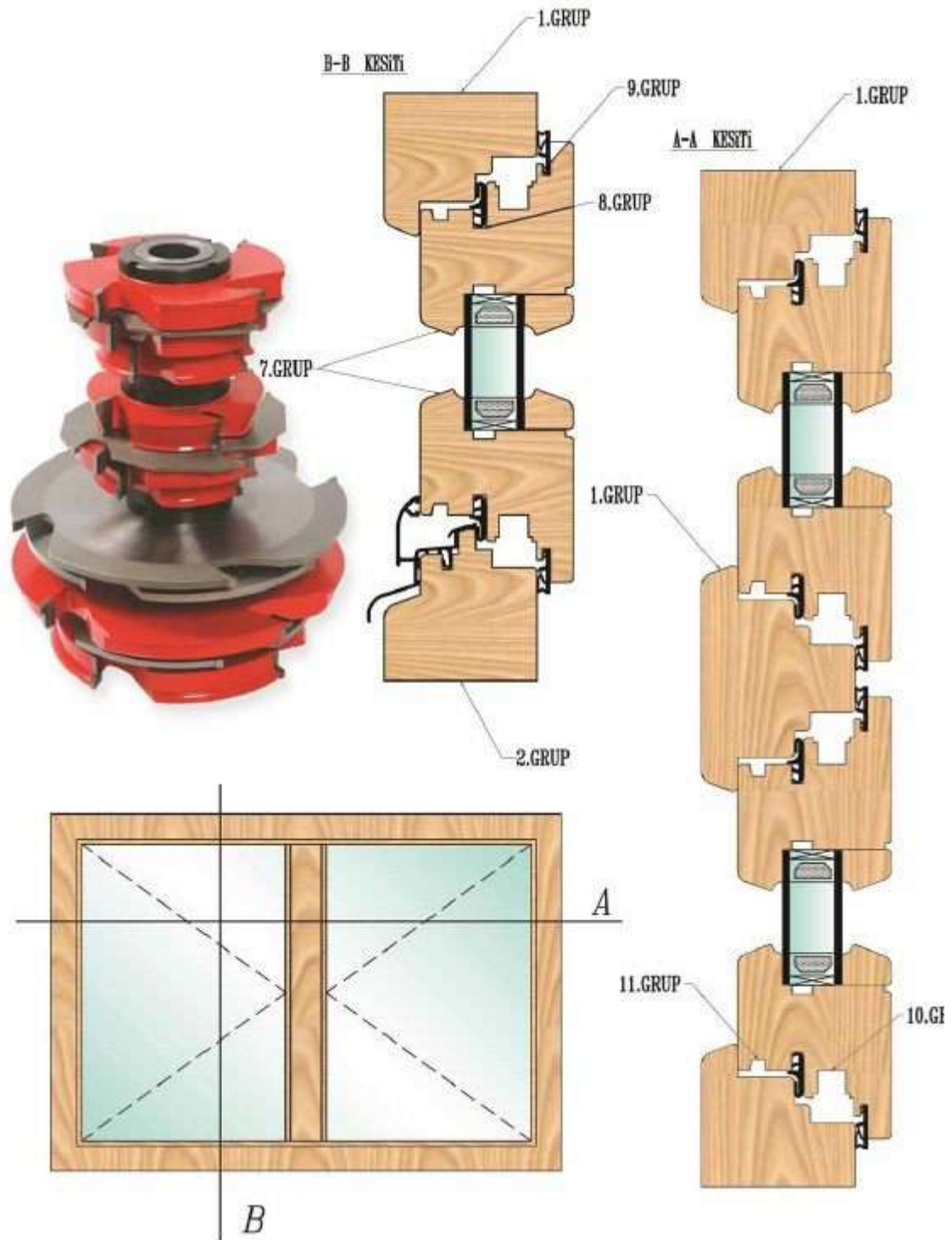
Acolo unde lăţimea ferestrei depăşeşte 2000mm şi se doreşte a fi deschisă toată, este recomandat să se fabrice din 3 canate, două mobile plus un element fix (montant) plus încă un canat mobil

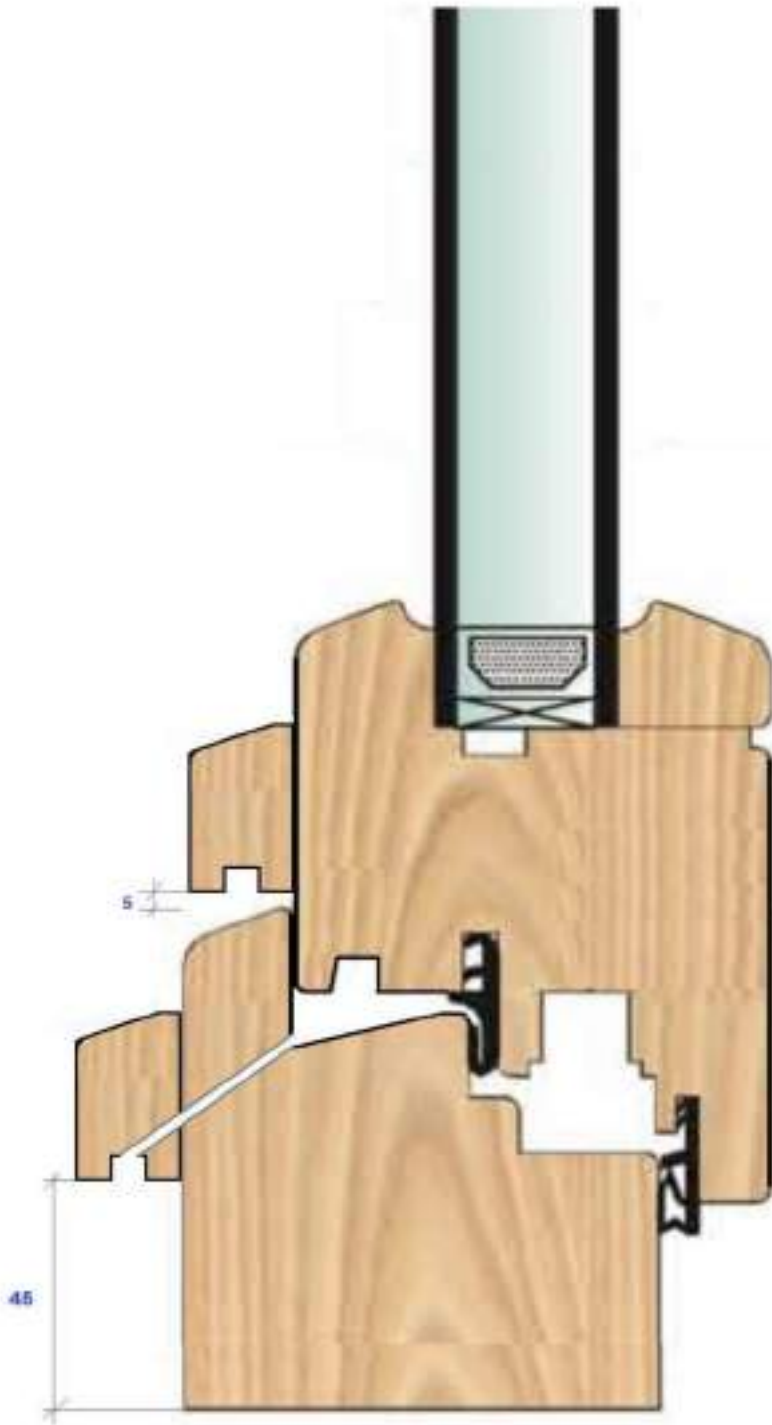
# Fereastră dublă



# Fereastră cu montant fix

T.C.T CUTTERS BLOCKS FOR WINDOW (68x90)





# Aripă de renovare



V.1



V.2



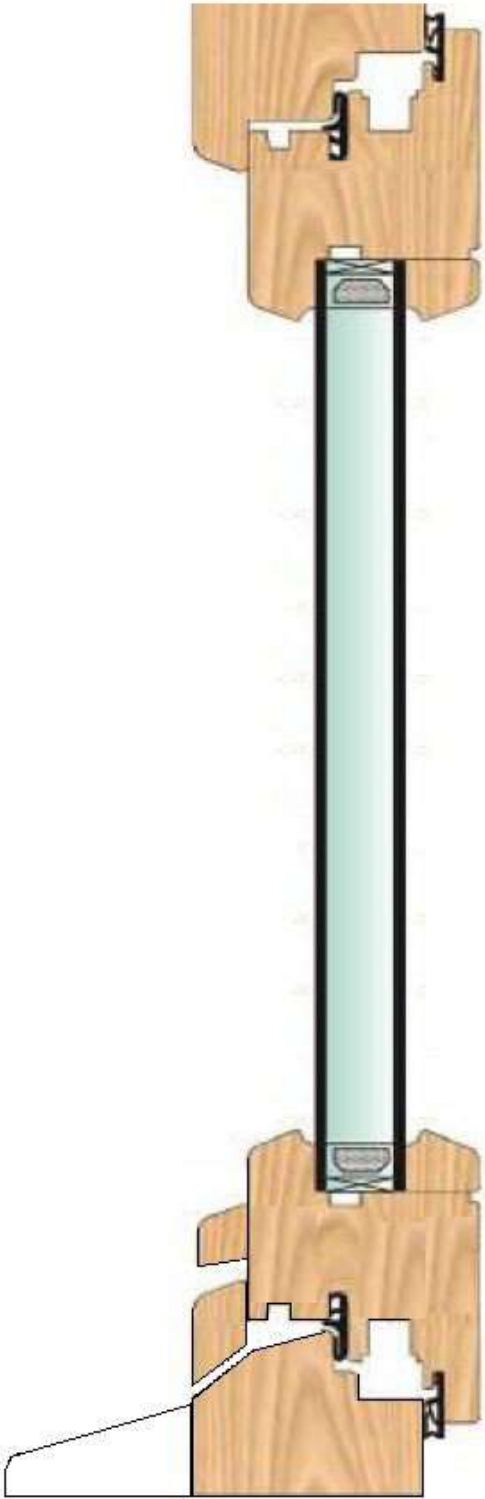
V.3



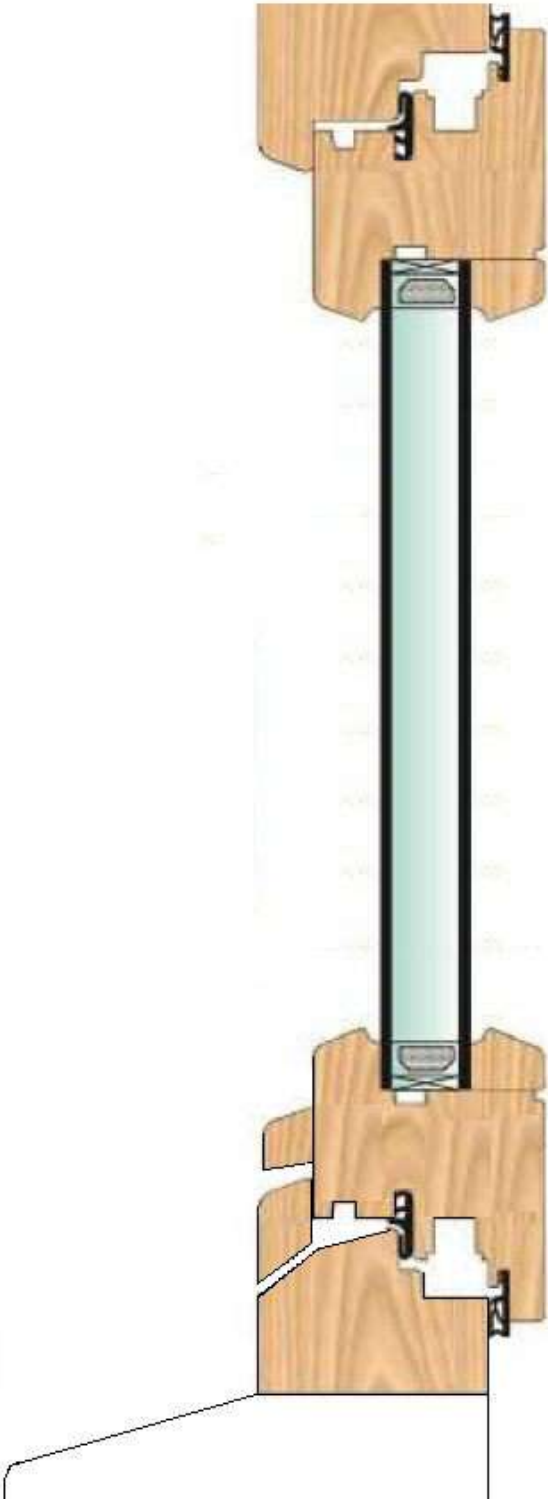
V.4

În țările din Europa se folosesc cu predilecție ferestre cu "aripă de renovare" care dau o notă deosebită interiorului imobilelor. În plus, nu este deloc de neglijat aspectul practic al tâmplăriei din lemn cu "aripă de renovare" având în vedere că nu mai sunt necesare finisaje de zidărie în jurul ferestrei după montaj.

# Secțiune toc olandez



**V.1**

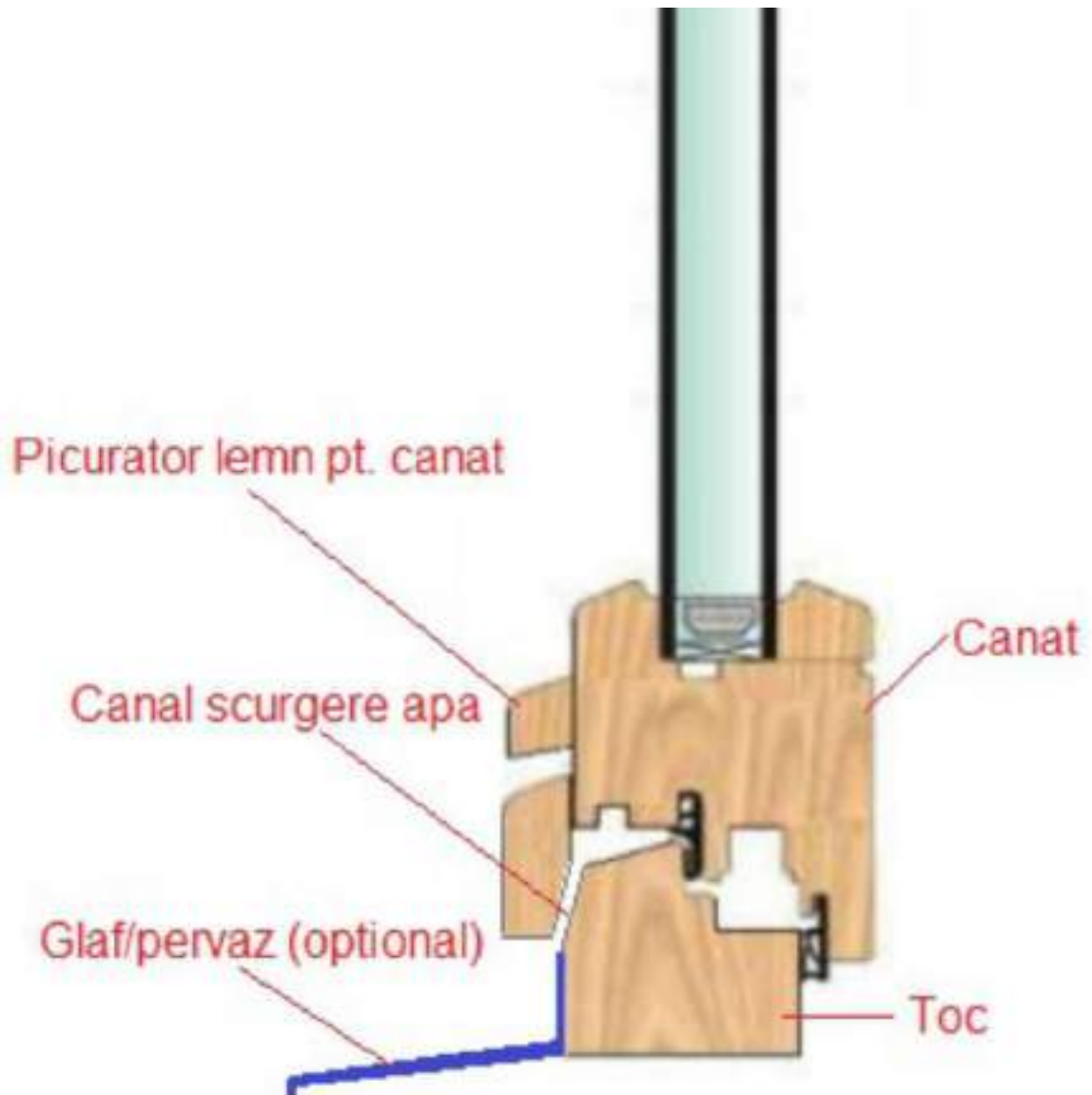


**V.2**

# Lăcrimar lemn

Aceasta este varianta "lăcrimar lemn" disponibilă pentru cei care nu vor lăcrimar aluminiu.

Este aceeași variantă ca pentru cei care solicită "fereastra kit".

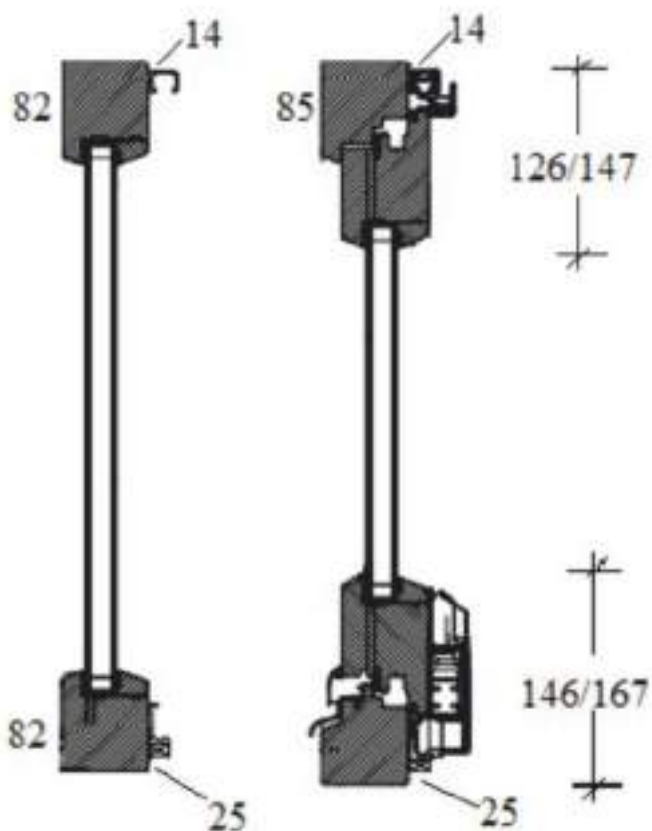


## Fereastră, ușă osciloculisantă

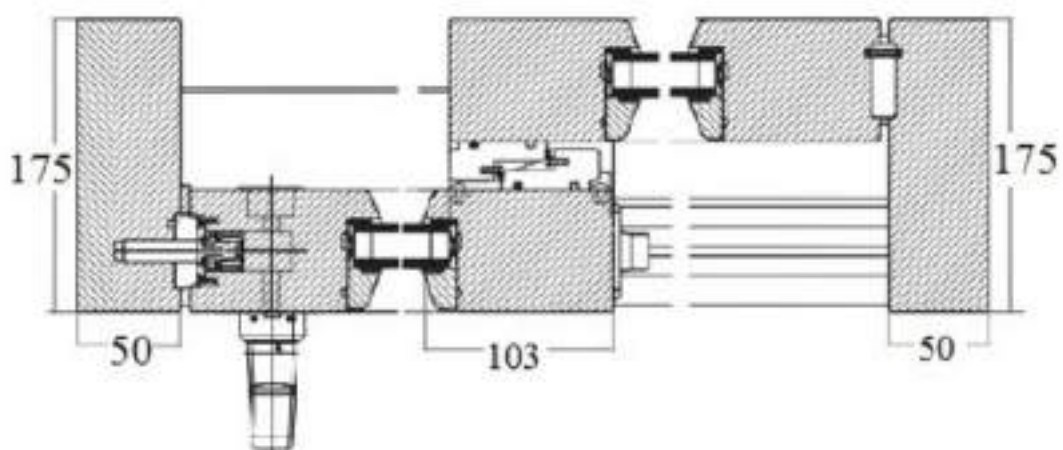
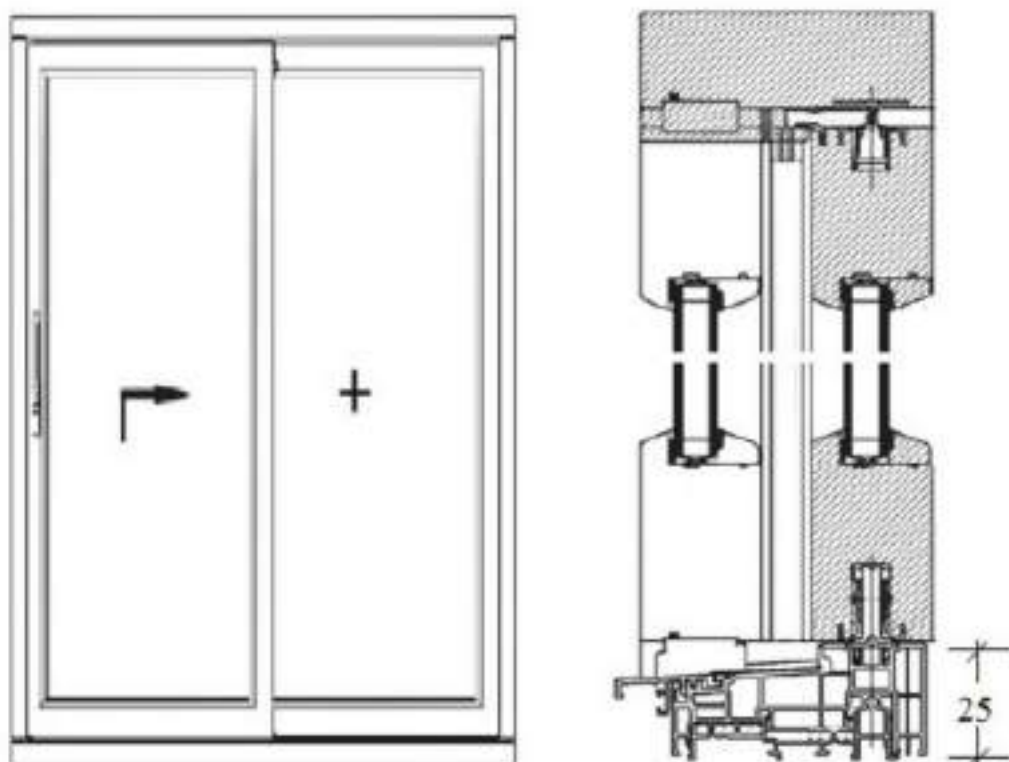


Deschiderea oscilo în plan paralel este un model de fereastră sau ușă pentru terasă care aduce imobilului un plus de confort, permițând vitraje generoase cu foi mobile foarte mari.

Fiabilă, etanșă, ușor de manipulat, dar mai ales economia de spațiu oferită grație sistemului de glisare în plan paralel - sunt caracteristici care fac ca acest sistem să fie unul dintre cele mai căutate variante de închidere a teraselor.



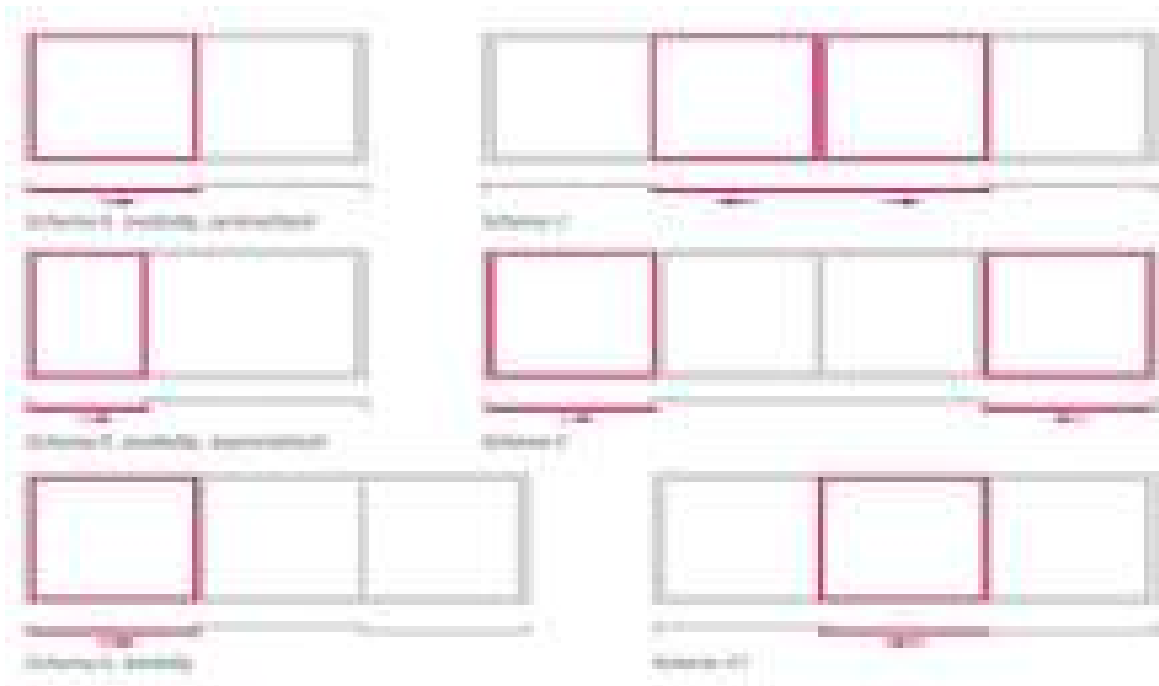
## Culisanta cu ridicare



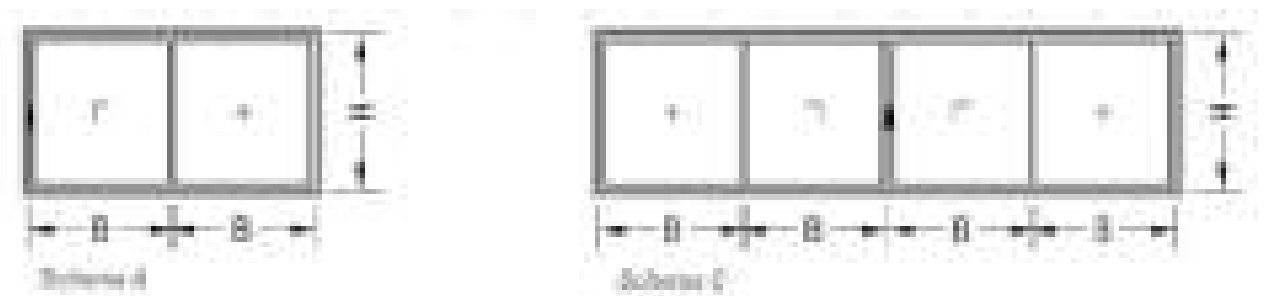
Acolo unde se dorește o suprafață vitrată maximă și în același timp și o deschidere maximă, culisanta cu ridicare este cea mai potrivită alegere. Sunt disponibile mai mult de 5 variante constructive.

# Tipologii culisante cu ridicare

## Tipuri de deschidere



## Limite dimensiuale

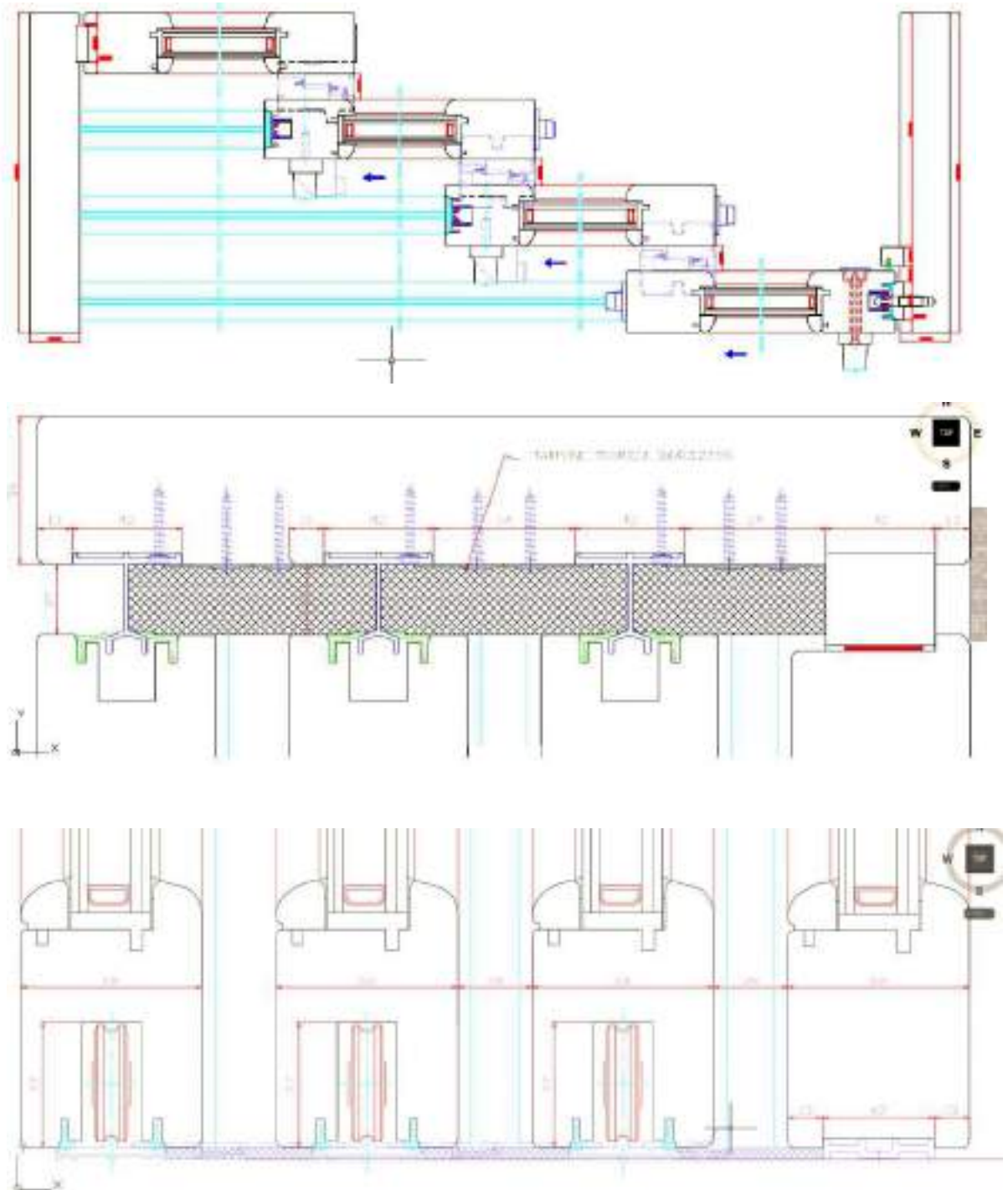


L(B) x H canat: până la 3000 x 2700\* mm

Lățimea minimă a canatului > 1425 mm pentru canate de la 301 până la 400kg

\* Funcție de zona de montaj, respectiv factorii climatici (expunere la acțiunea vântului, etc)

# Schemă culisantă specială

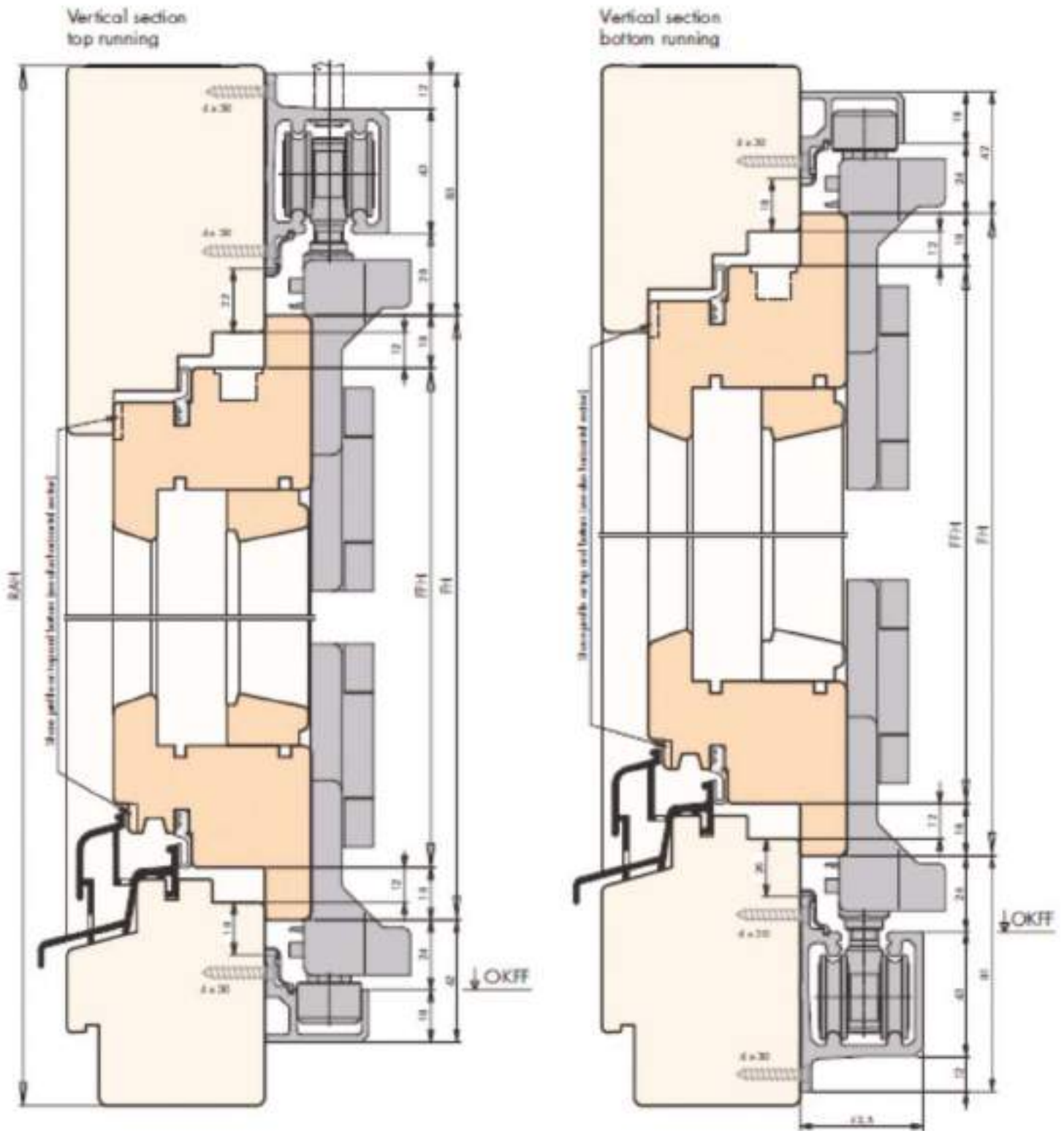


Culisantele speciale sunt sisteme de tâmplărie lemn folosite în general pentru terase. Ele oferă deschideri generoase, protecție termică foarte bună, ușurință în exploatare și fiabilitate în timp.

De asemenea, în funcție de tipul geamului folosit, se poate obține protecție solară excelentă, iar în cazul folosirii geamului tip "Silence" coeficientul acustic poate fi îmbunătățit foarte mult.

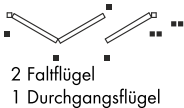
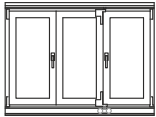
- Lungime maximă: 12.000 mm
- Înălțime maximă: 3.000 mm
- Suprafață maximă: 36 mp

# Armonică/pliantă de exterior

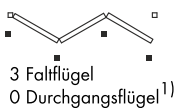
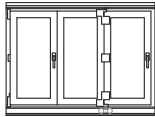


# Tipologii armonică/pliantă

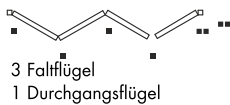
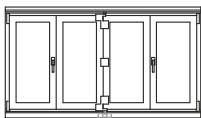
**Schema 321**



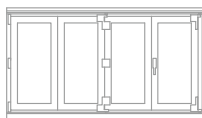
**Schema 330**



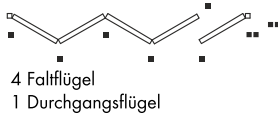
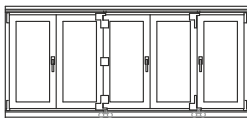
**Schema 431**



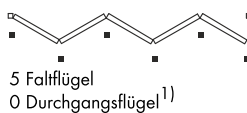
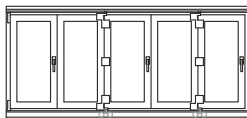
**Schema 440\***



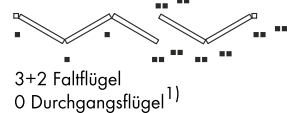
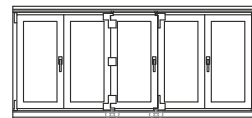
**Schema 541**



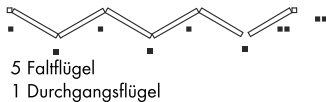
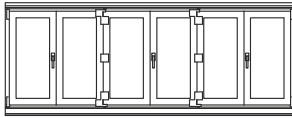
**Schema 550**



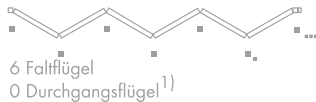
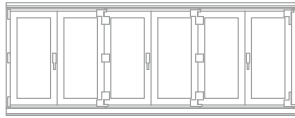
**Schema 532**



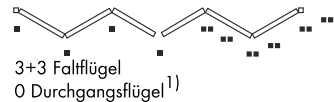
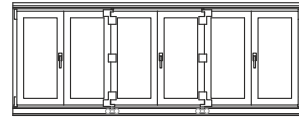
**Schema 651**



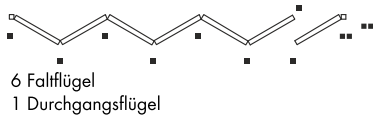
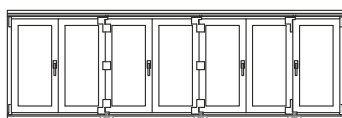
**Schema 660\***



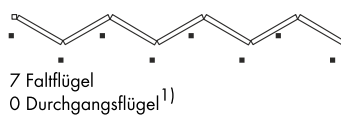
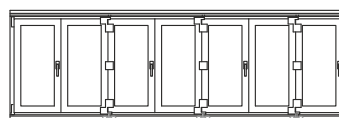
**Schema 633**



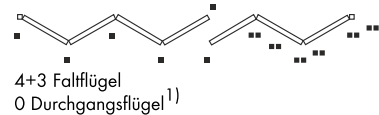
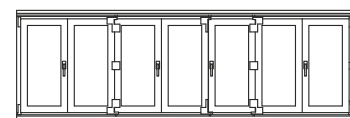
**Schema 761**



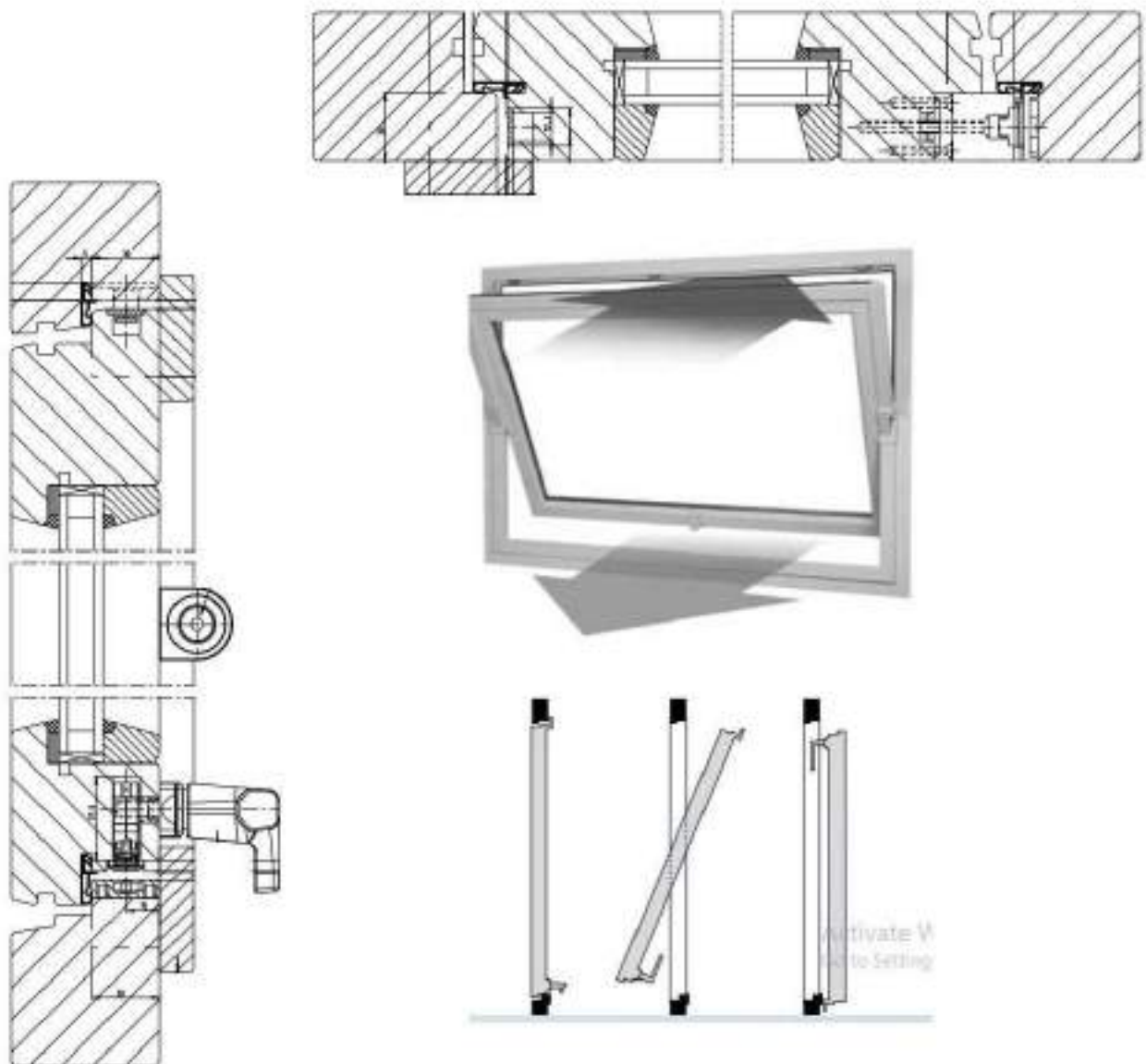
**Schema 770**



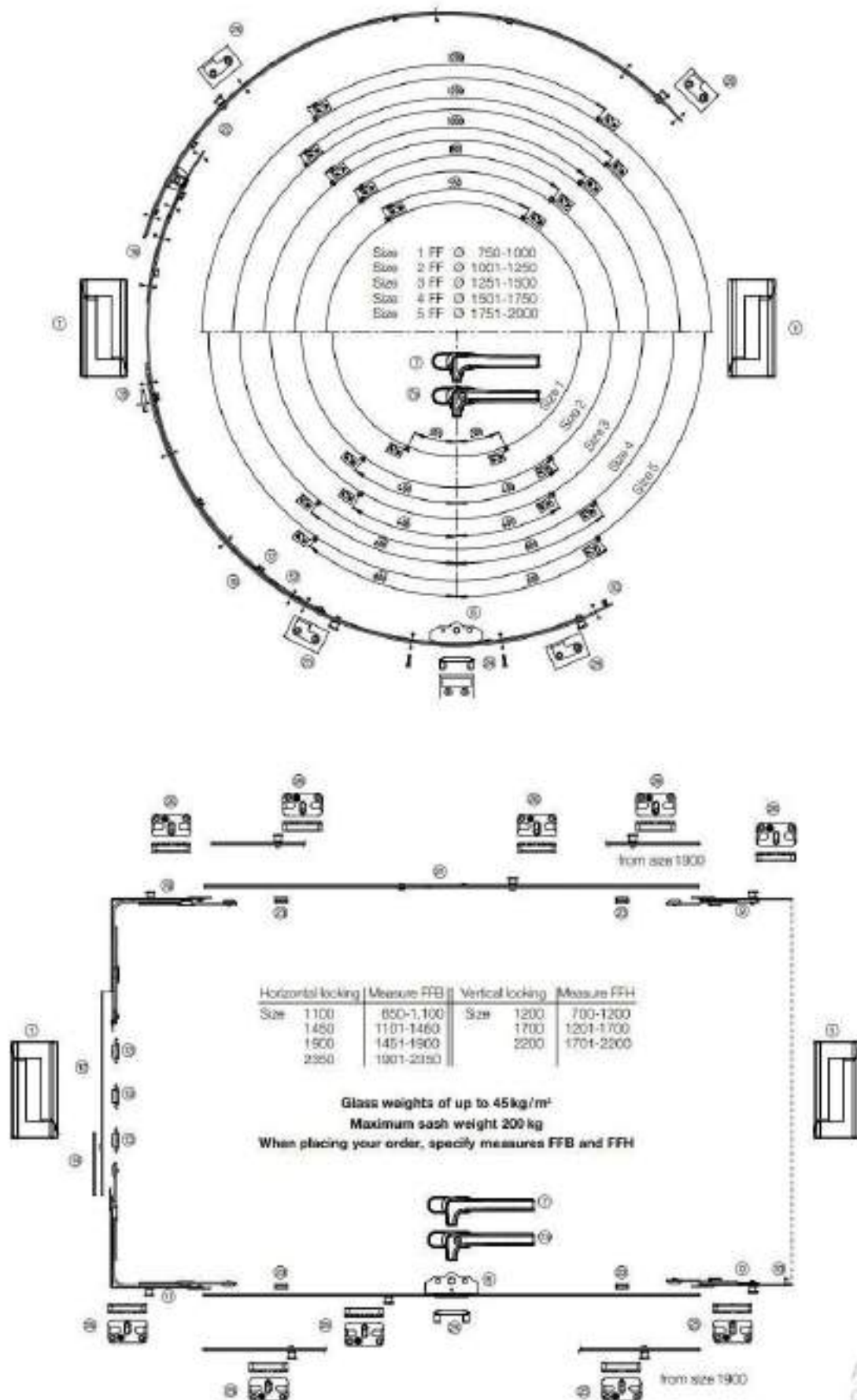
**Schema 743**



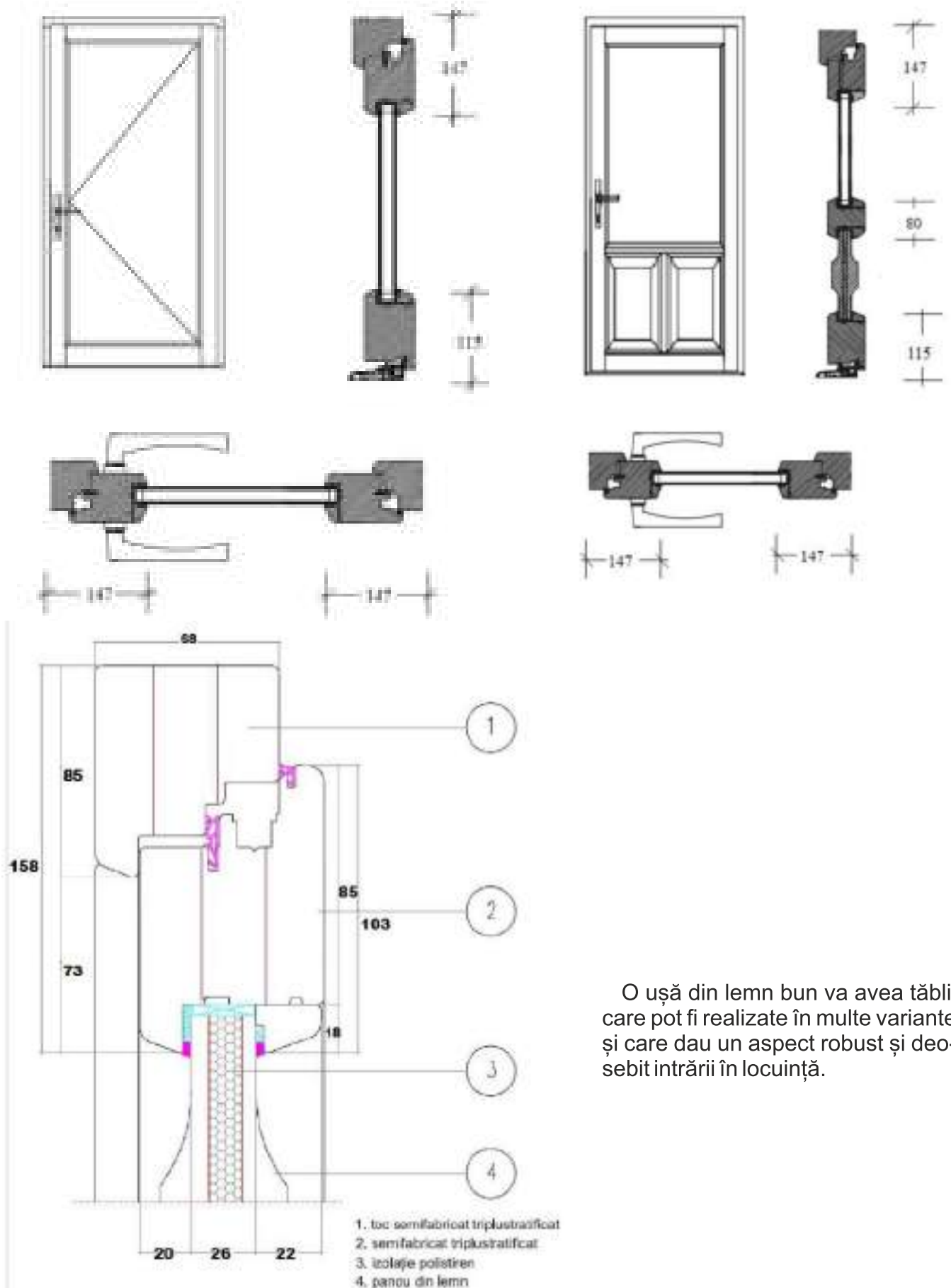
# Fereastră pivotantă



# Feronerie pivotanta



## Uși cu sticlă și tăblieri



O ușă din lemn bun va avea tăblieri care pot fi realizate în multe variante și care dau un aspect robust și deosebit intrării în locuință.

## Secțiuni uși



1



2

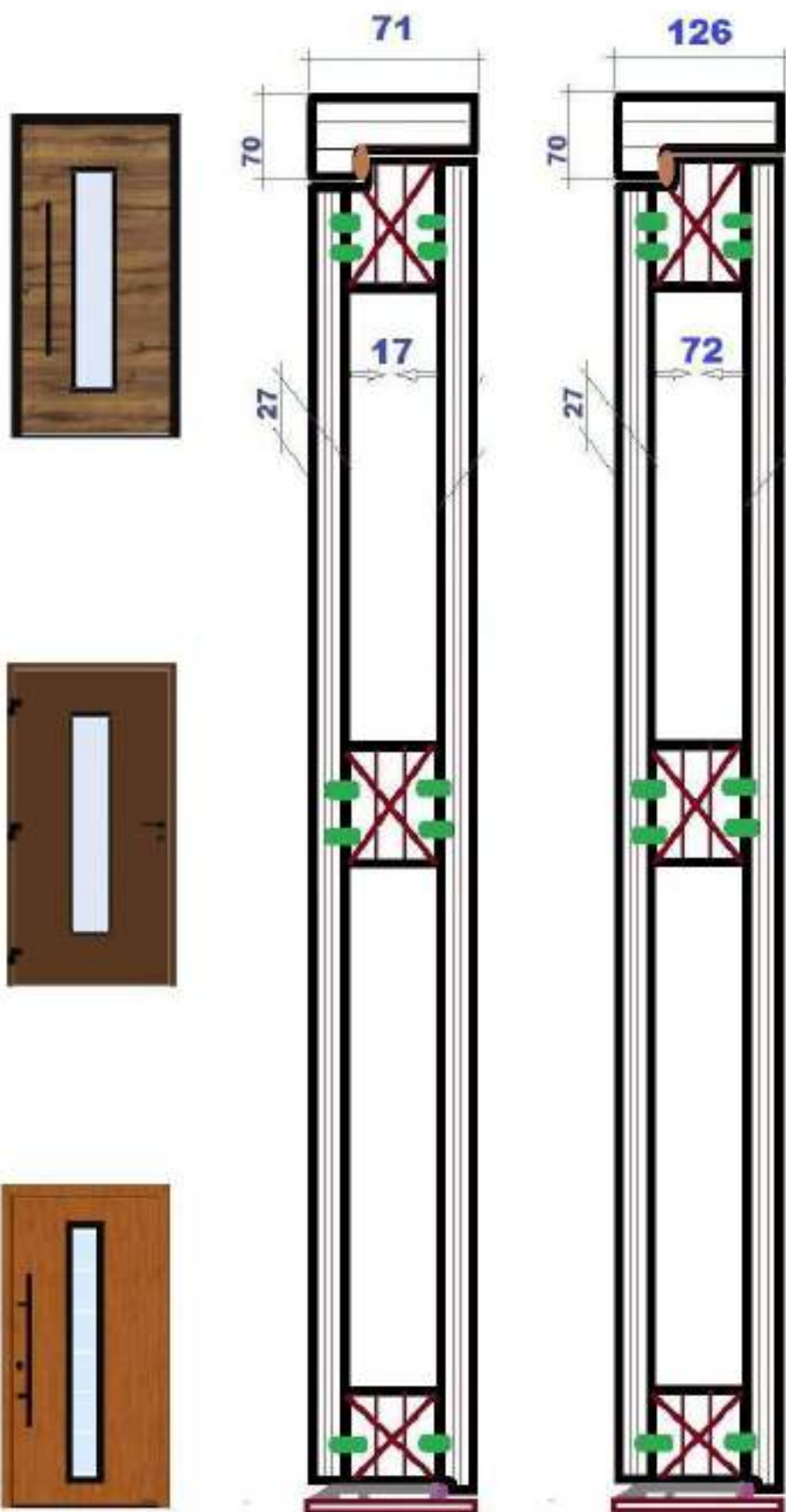


3

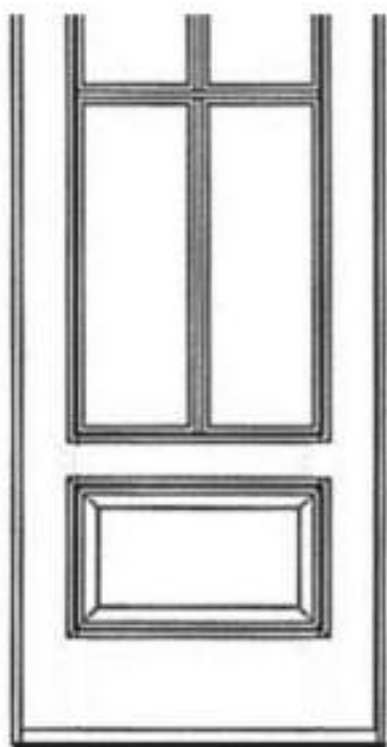


4

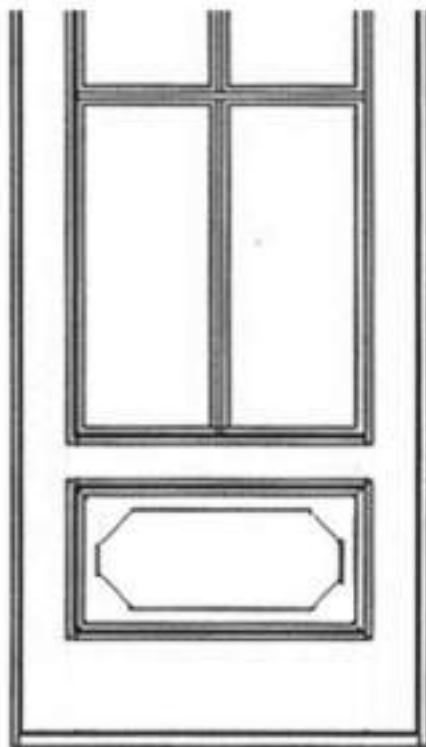
## Uși coplanare pentru exterior



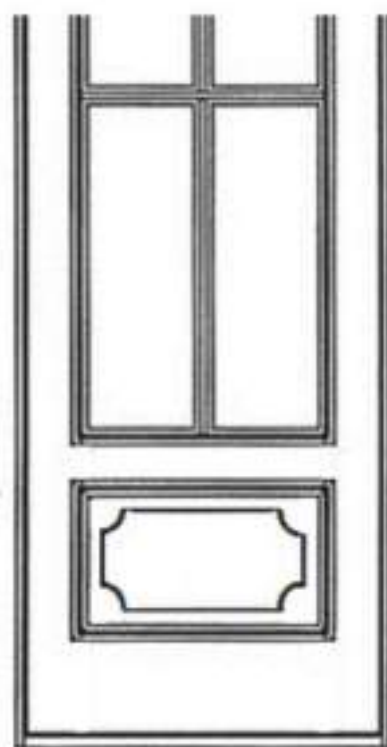
# Tăblii de uși



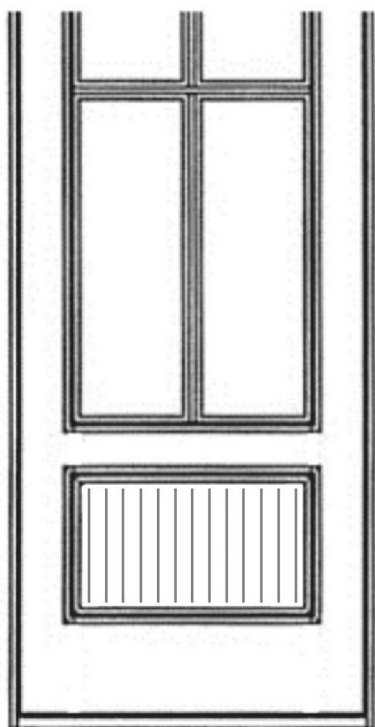
1



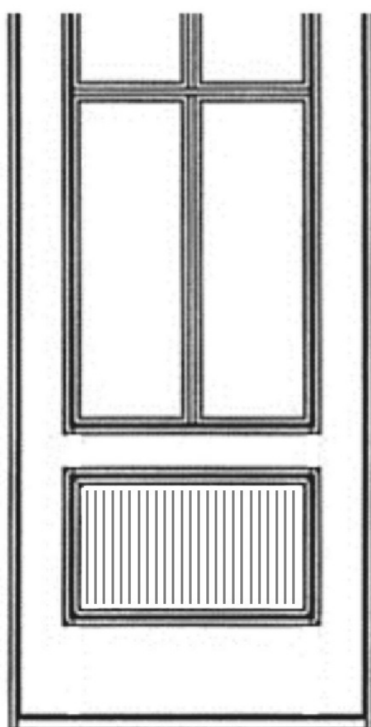
2



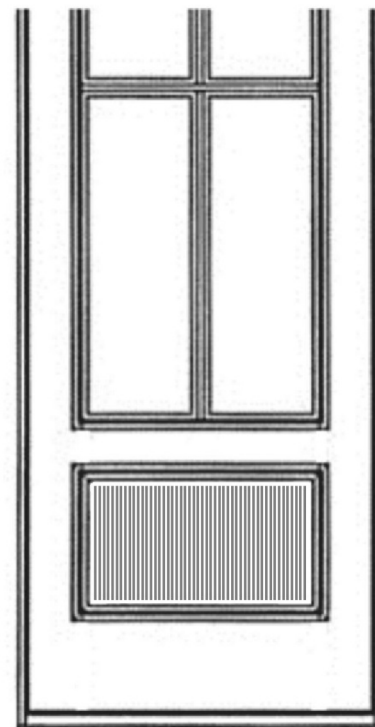
3



4

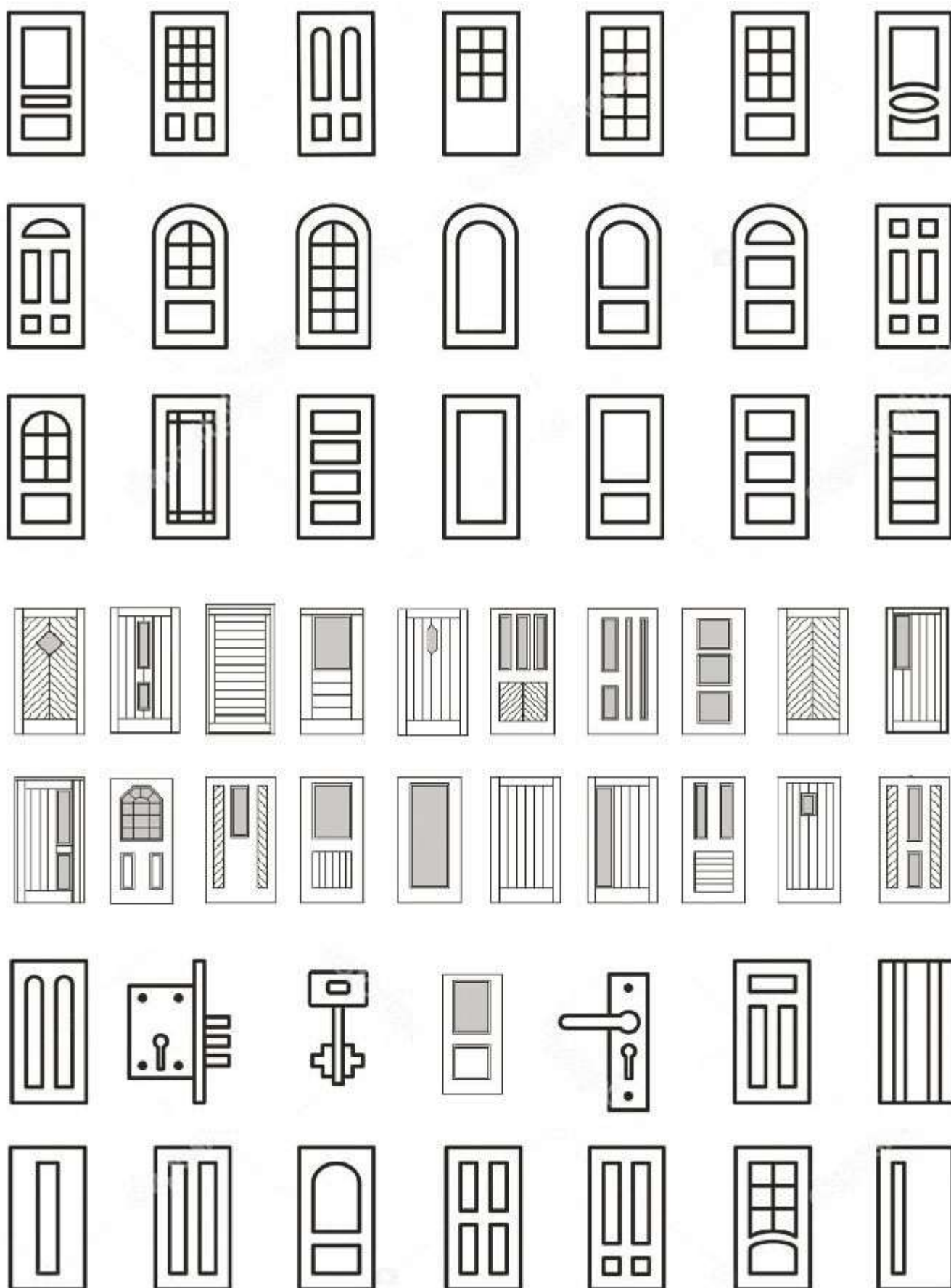


5

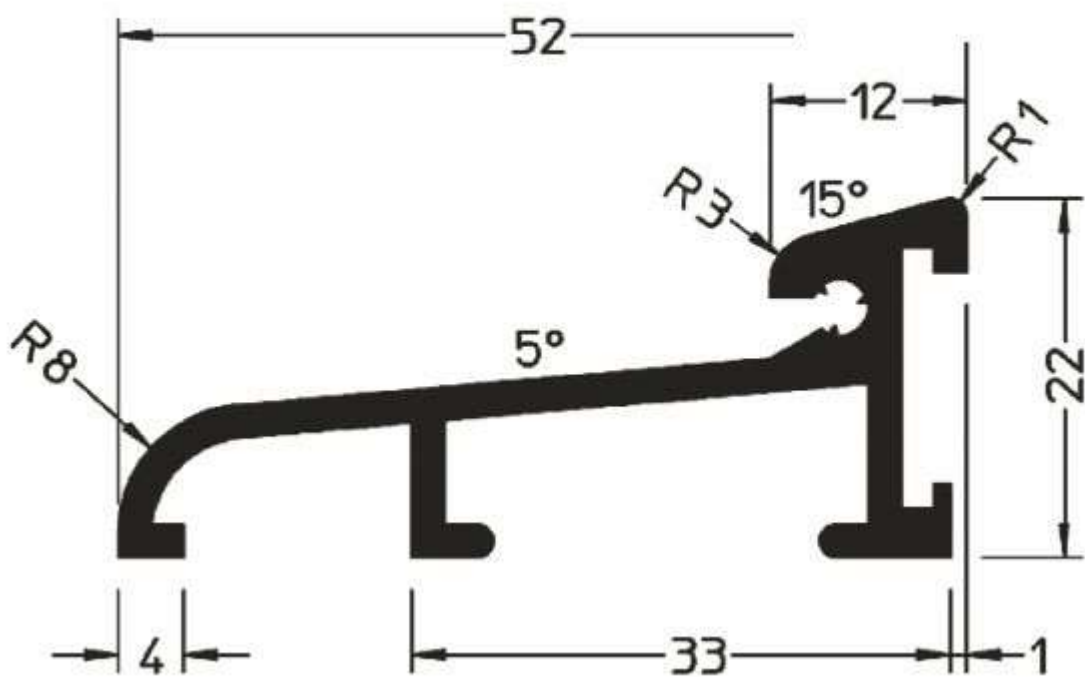
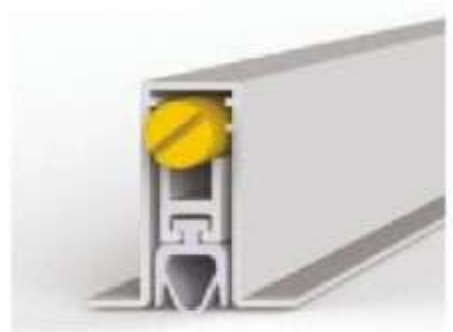


6

# Schițe de uși



# Praguri de uși



# Prag ridicător

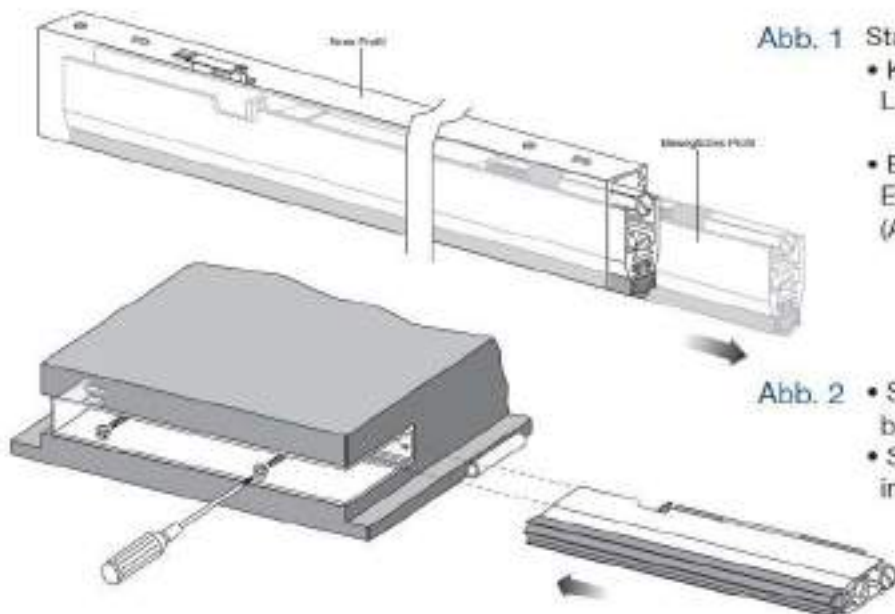


Abb. 1 Standardmontage :

- Kürzen Sie den Türdichter auf die Länge der Tür (siehe Abb. 1)
- Entfernen Sie den beweglichen Einsatz aus dem Aluminiumprofil (Abb. 2)

Abb. 2

- Stecken Sie das Aluminiumprofil bündig in die Türnut und fixieren es.
- Setzen Sie den beweglichen Einsatz in das Aluminiumprofil ein (Abb. 3).

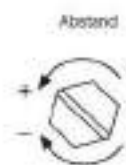


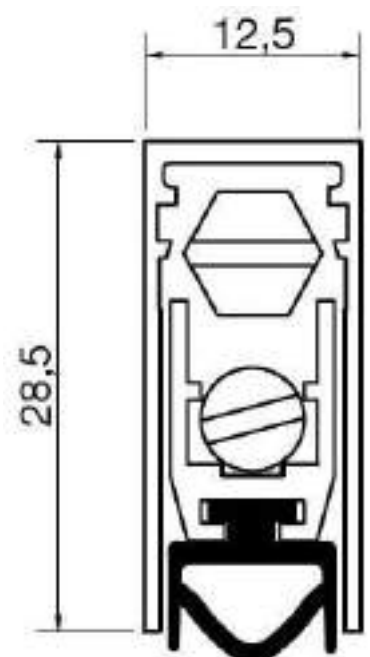
Abb. 3a



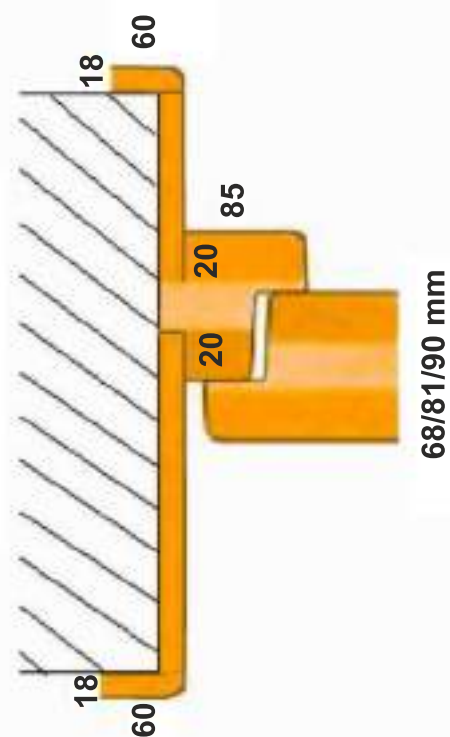
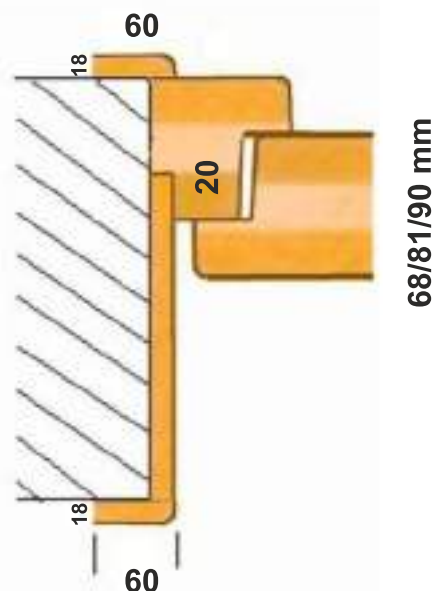
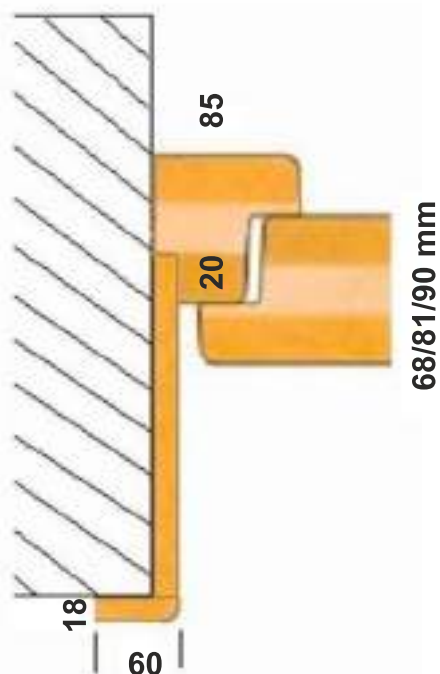
Abb. 3b

Abb. 3 Feinjustierung

- Drehen Sie die Einstellschraube um den Abstand der Dichtlippe zum Boden einzustellen (Abb. 5a).
- Drehen Sie die Messingschraube um den Neigungswinkel des Türdichters einzustellen um so ggf. einen schrägen Boden auszugleichen (Abb. 3B).

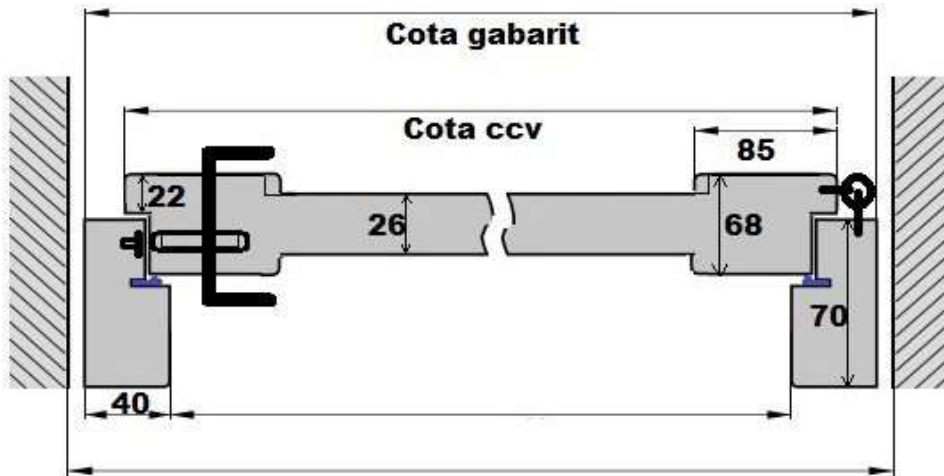


# Pervaz și extensie uși/ferestre

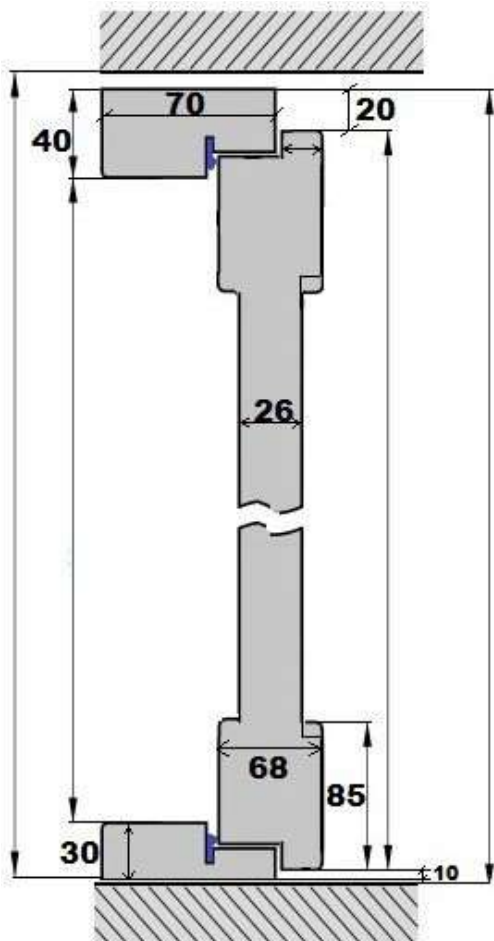


# Secțiuni uși interior triplustratificate

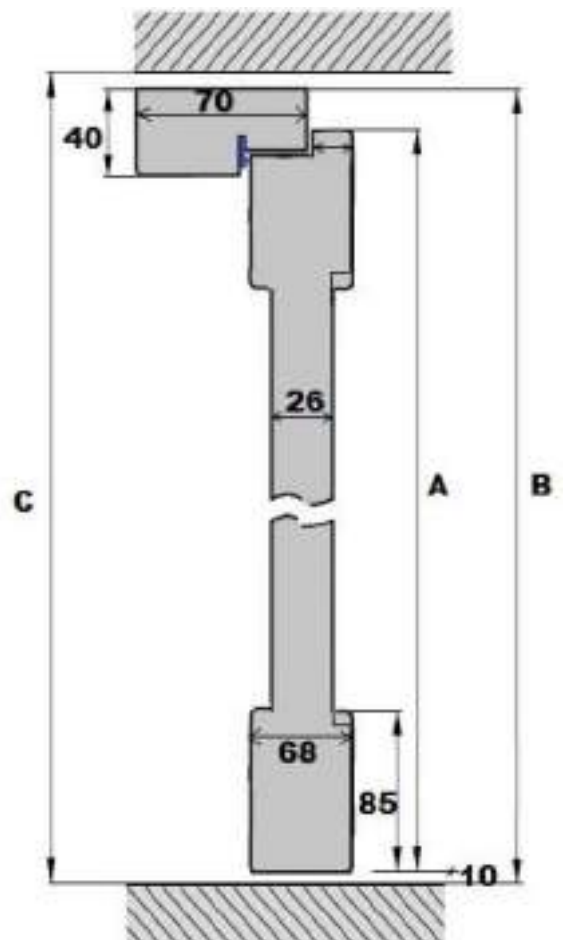
Secțiune orizontală  
Profil triplustratificat



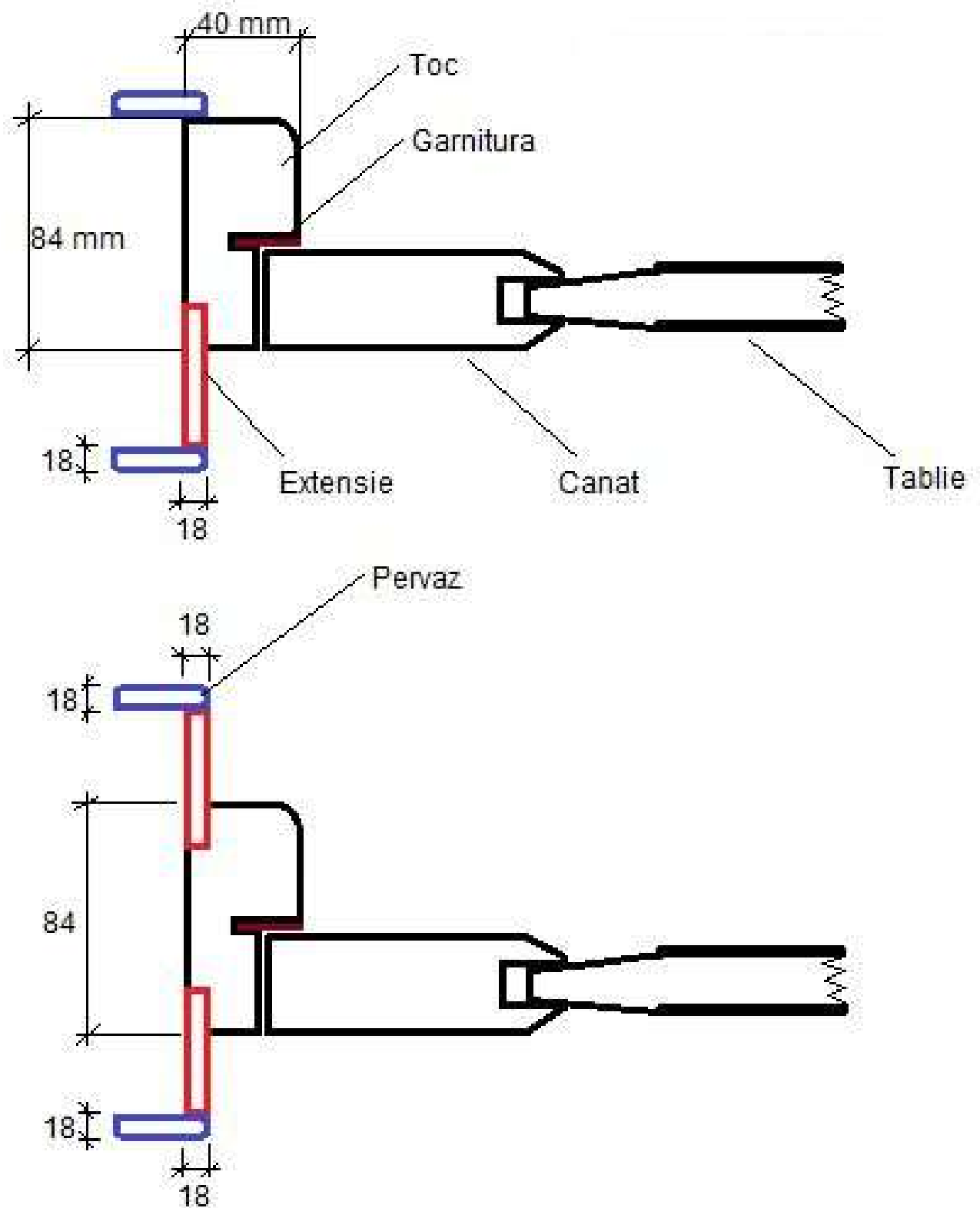
Secțiune verticală  
Profil triplustratificat  
cu prag de lemn



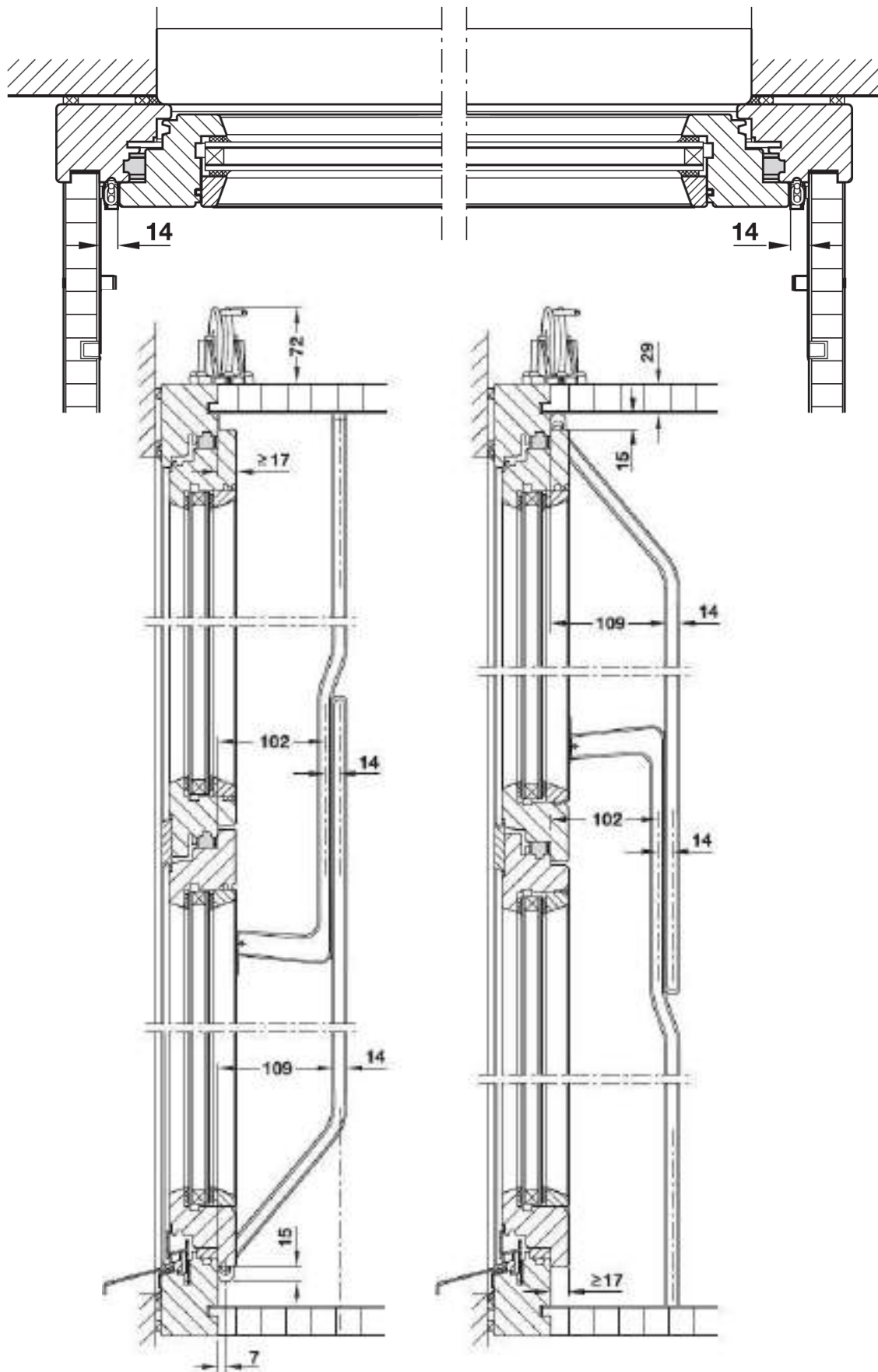
Secțiune verticală  
Profil triplustratificat  
fără prag



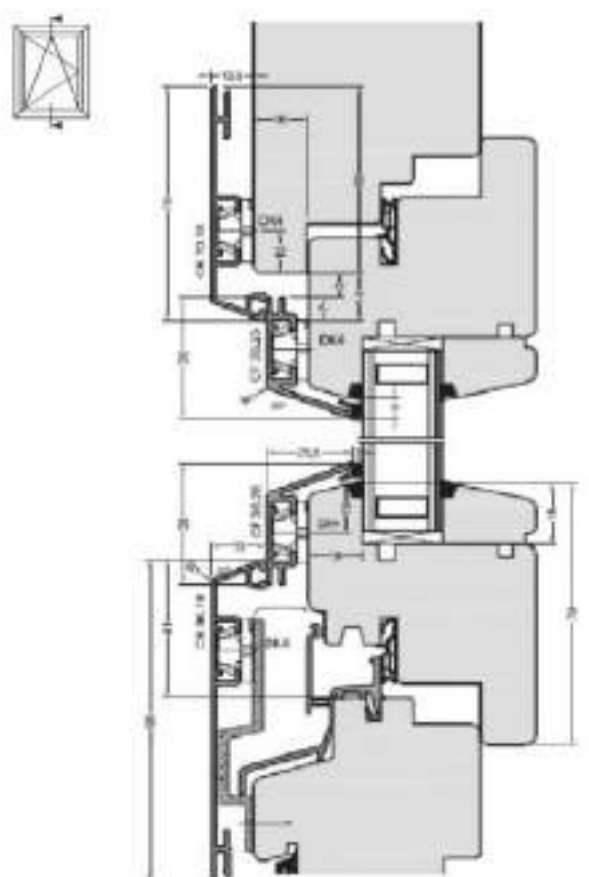
## Secțiuni uși interior dublustratificate



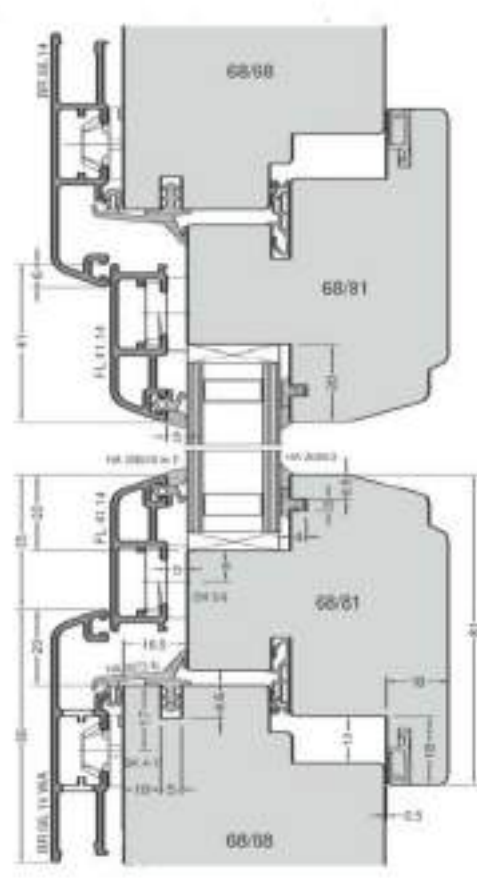
# Schiță fereastră ghilotină



# Placări cu aluminiu pe tâmplărie lemn



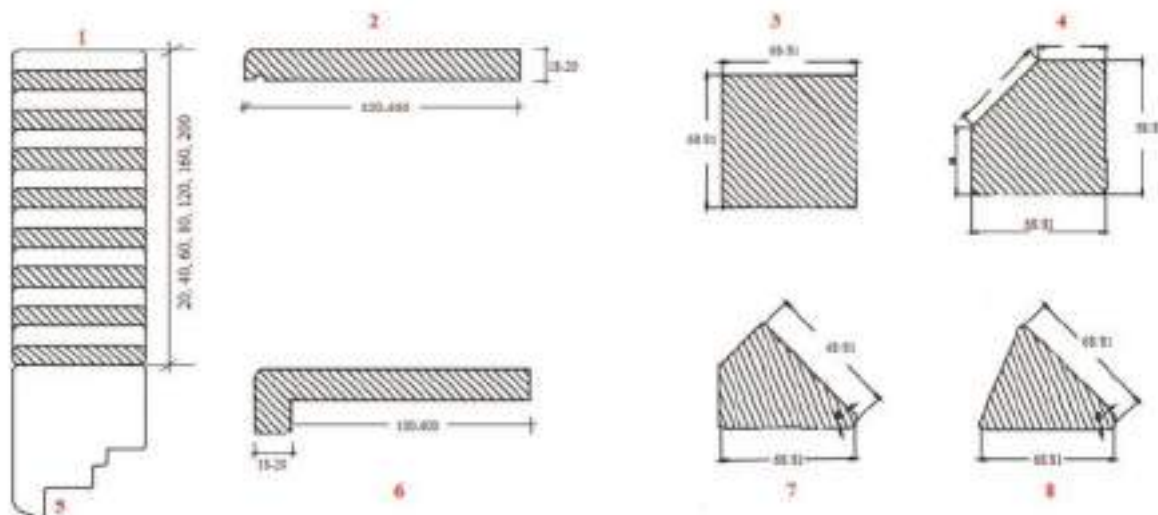
Cora



Mira

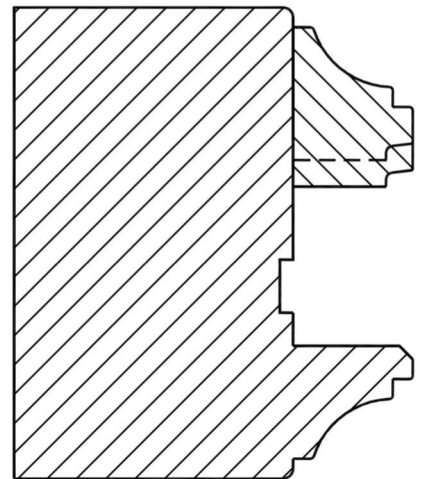
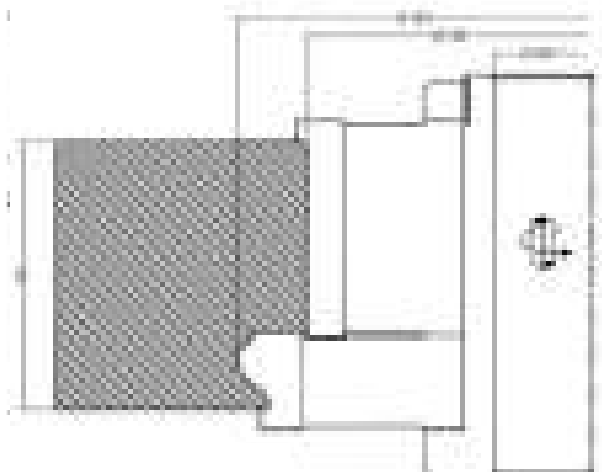
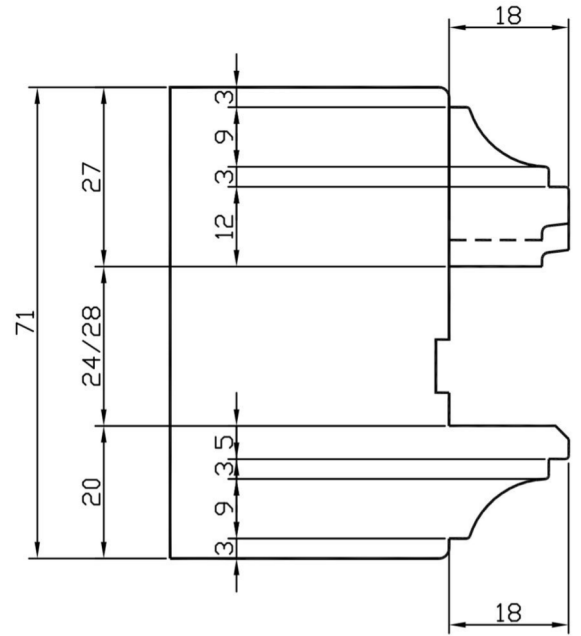
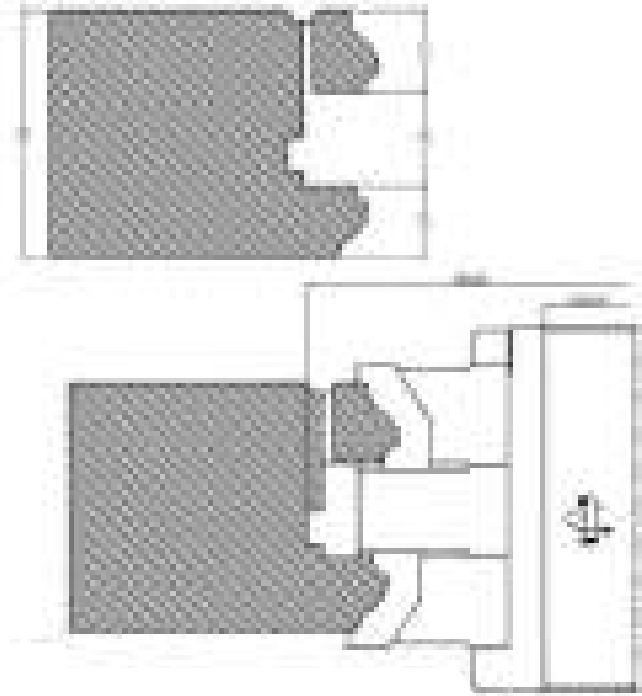
# Profile adiționale

Profile compensare, unghi, glafuri.



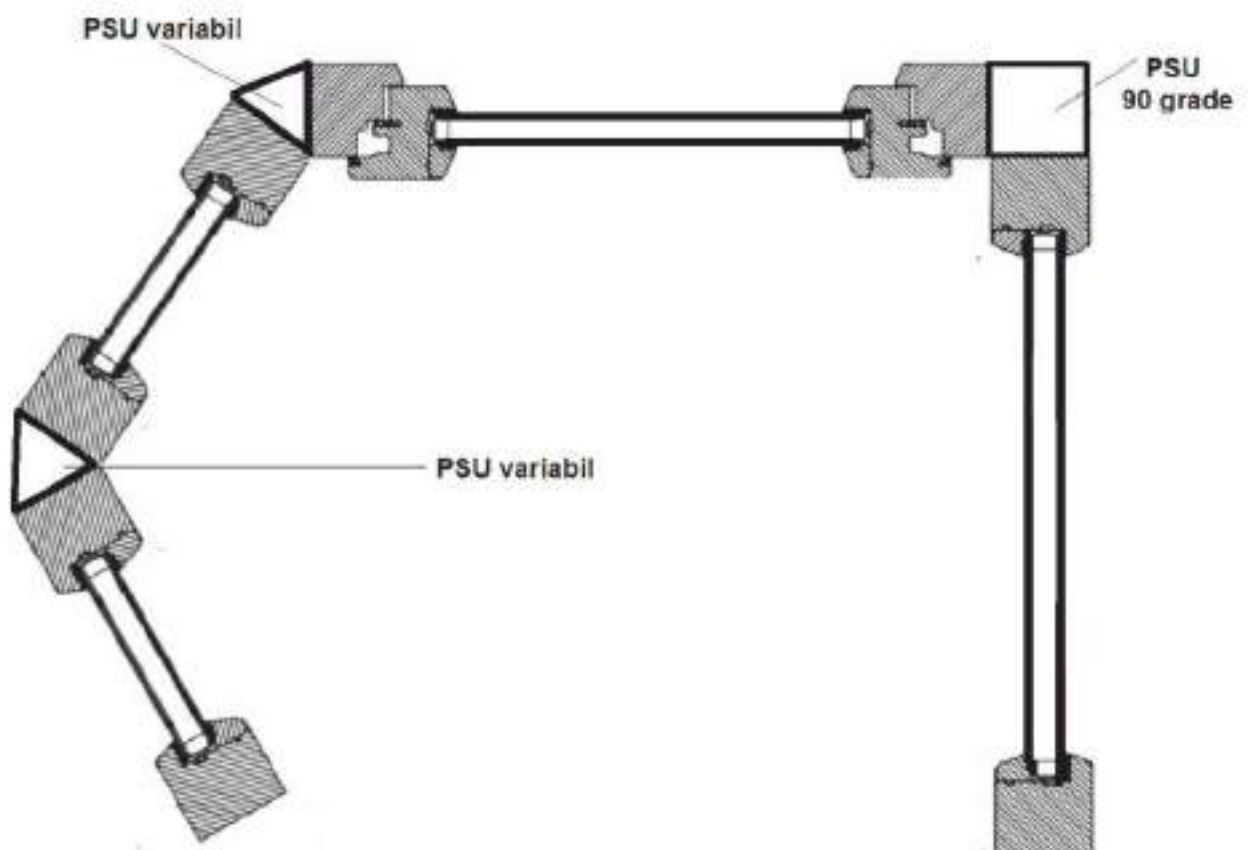
Profilele de compensare se pot pune pe orice latură a ferestrei sau ușii. Glaful (pervazul) este un element nelipsit de la orice fereastră. Profilele de schimbare unghi sau baghetele de îmbinare sunt elemente care permit unirea panourilor în diferite unghiuri. O fereastră frumoasă are un glaf sau pervaz pe măsură. Acesta poate fi fabricat în multe variante, funcție de dorința clientului. Aceste accesorii "îmbracă" frumos fereastra, o completează oferindu-i un aspect volumetric.

# Profilare retro



# Montare balcon (logie) cu PSU la 90° și PSU variabil

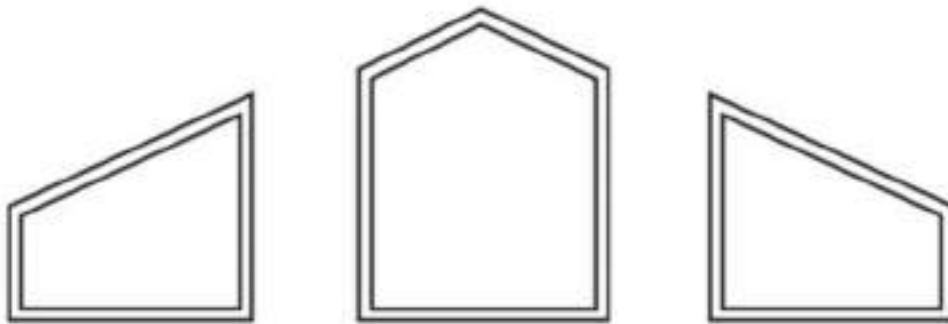
Secțiune vedere de sus



PSU: profil schimbare unghi

# Ferestre cu forme neregulate

De obicei ferestrele și ușile au forma pătrat sau dreptunghi, însă există locuințe cu arhitectură deosebită care necesită ferestre și uși cu forme diferite de cele obișnuite: triunghi, trapez, arcadă, ogivă, etc.



1a

2a

3a



4a

Forme neregulate



5a

ARCADE



1b



2b



3b



4b



5b



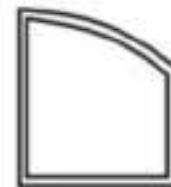
6b



7b



8b

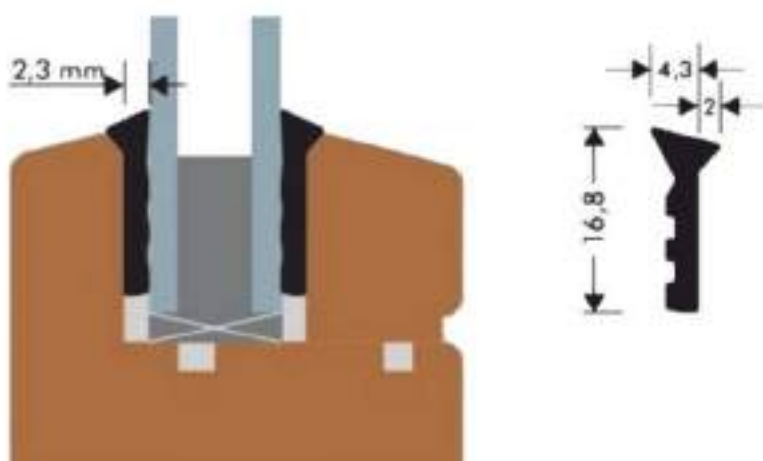


9b

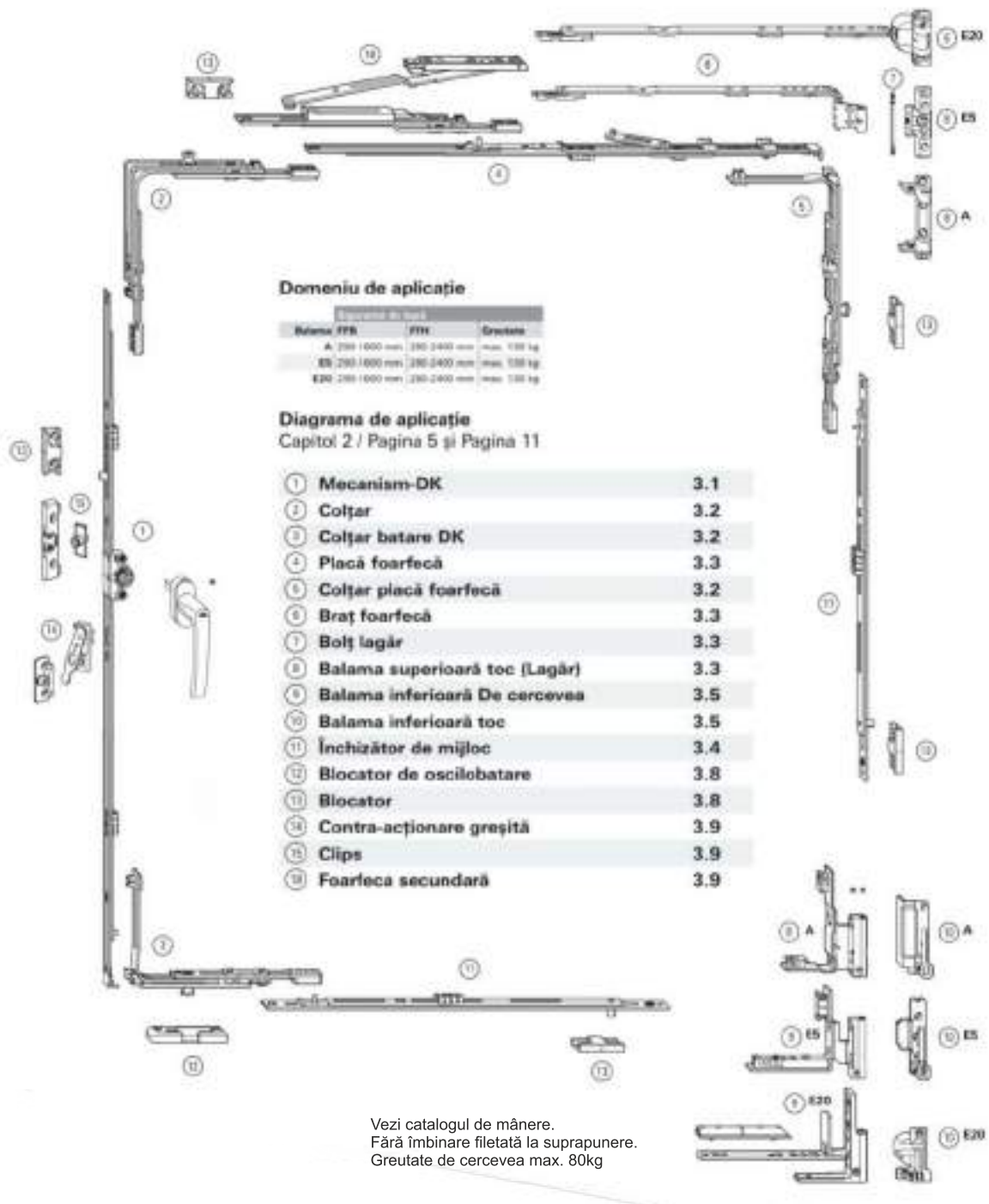
## Montare geam cu silicon



## Montare geam cu garnitură

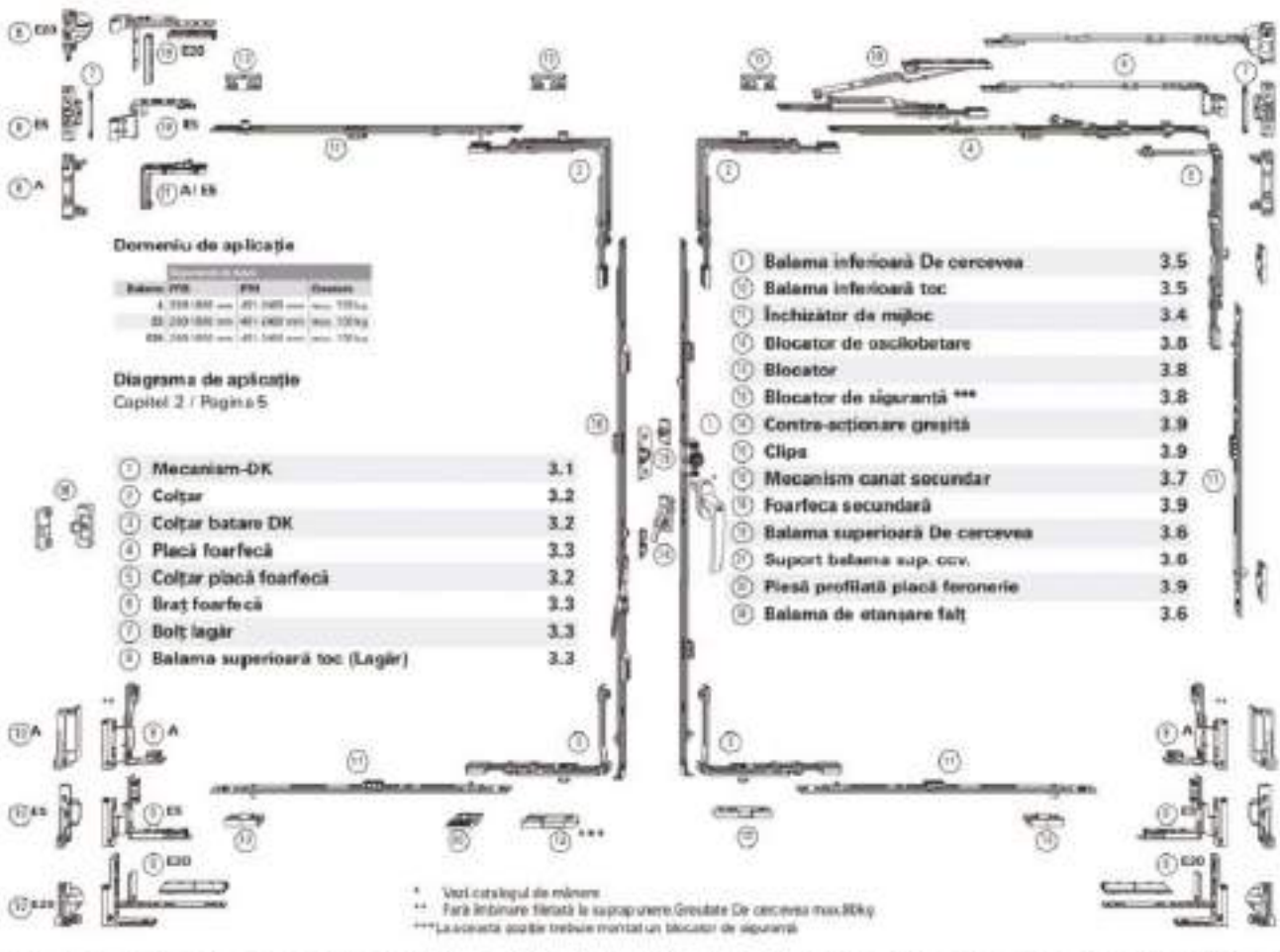


# Sistem feronerie oscilobatantă 1C



Furnizorul de feronerie Roto, probabil cel mai mare din Europa, furnizează toate sistemele de feronerie inventate până în acest moment, iar garanția este pe măsura numelui ROTO;

# Sistem feronerie oscilobatantă 2C



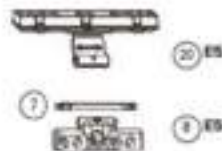
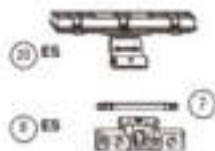
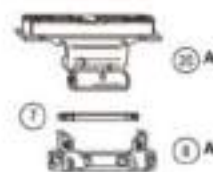
# Sistem feronerie basculantă



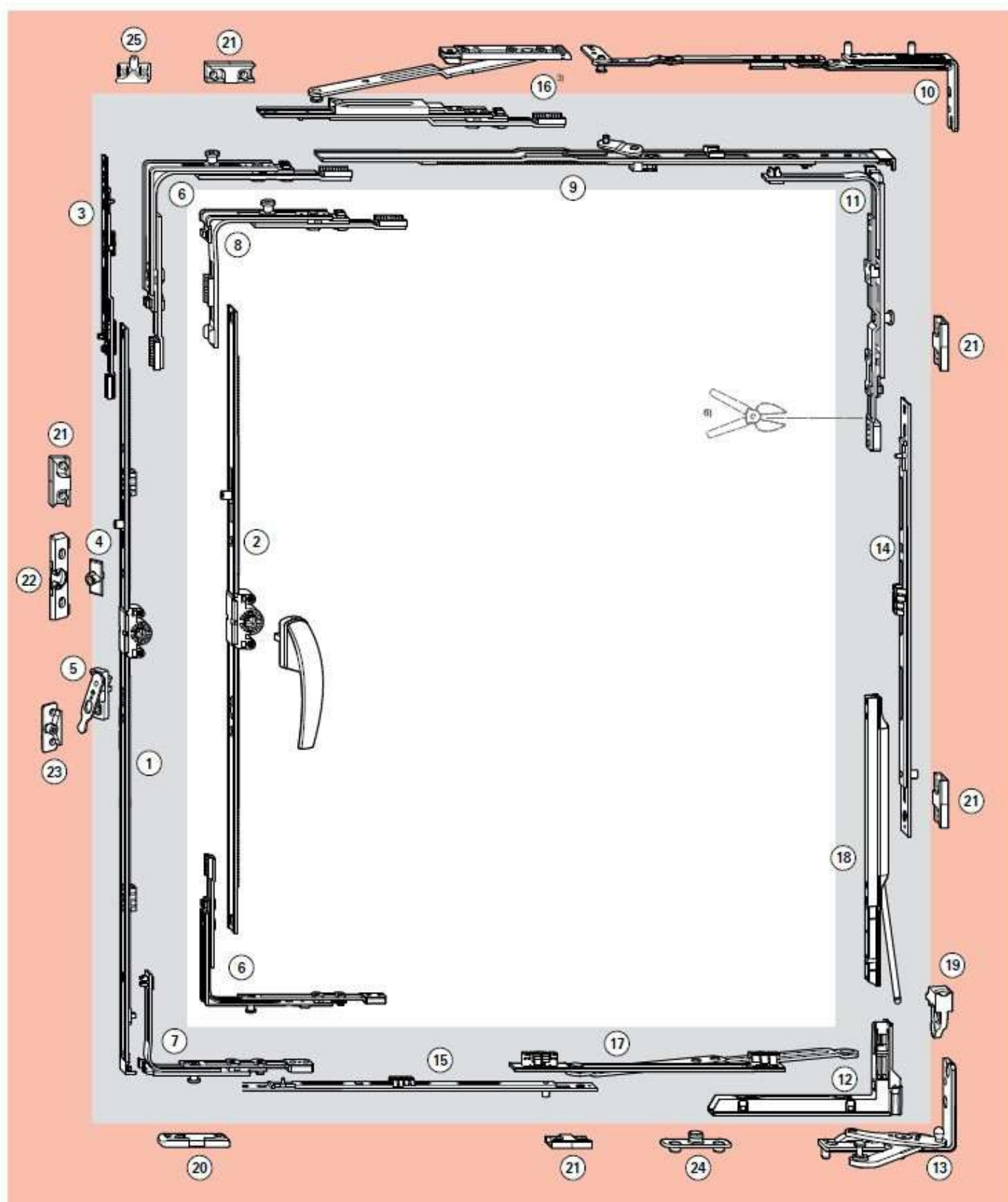
## Domeniu de aplicație

Siguranță de încălzire			
Balama	FFB	FFH	Greutate
A	310-2400 mm	290-1200 mm	max. 80 kg
ES	310-2400 mm	290-1200 mm	max. 80 kg

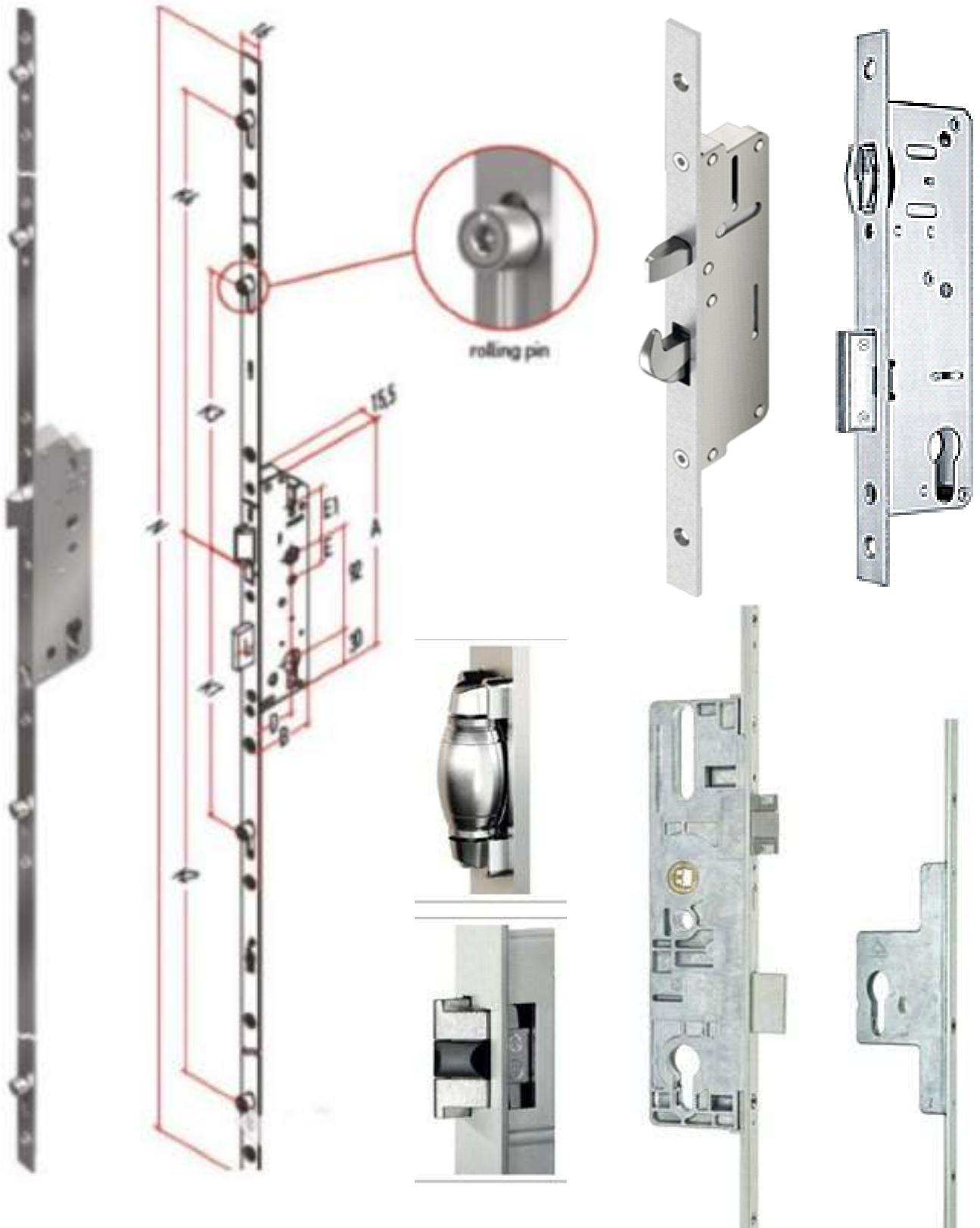
1	Mecanism-DK	3.1
2	Colțar	3.2
7	Bolț lagăr	3.3
8	Balama superioară toc (Lagăr)	3.3
11	Închizător de mijloc	3.4
13	Blocator	3.8
20	Balama mijloc De cercevea	3.6
24	Limitator cursă	3.9
26	Foarfecă deschidere batantă	3.9



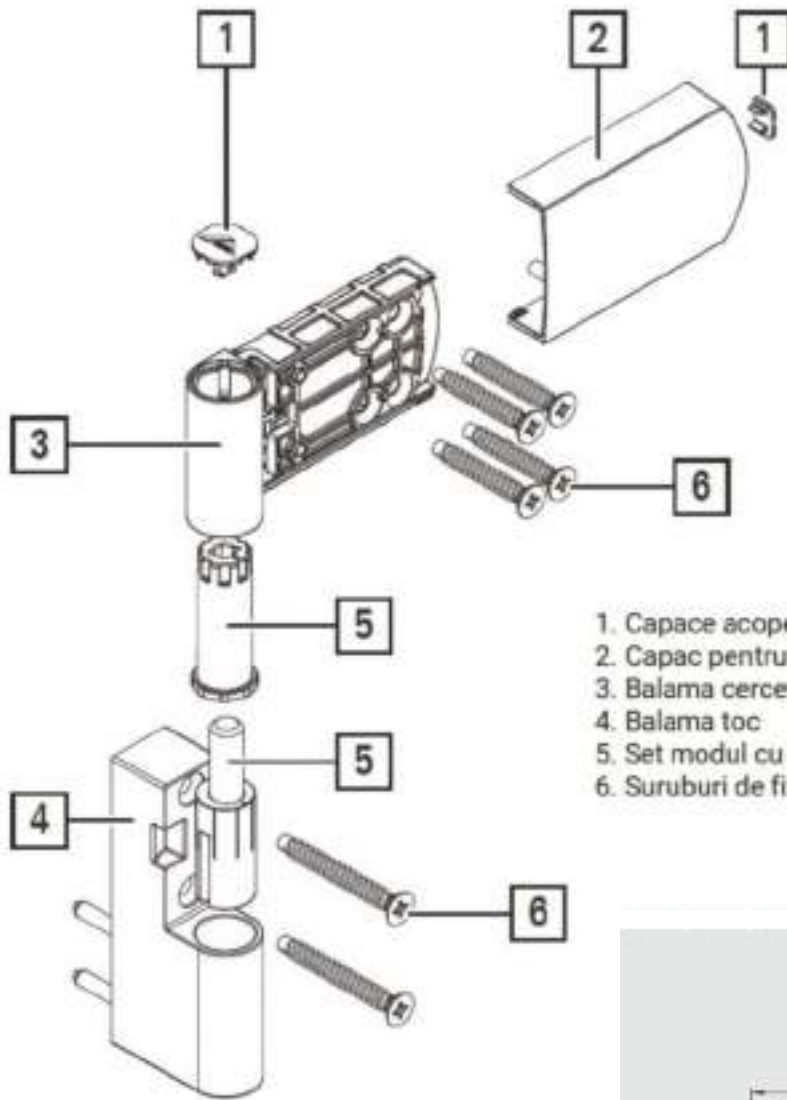
# Sistem feronerie ascunsă



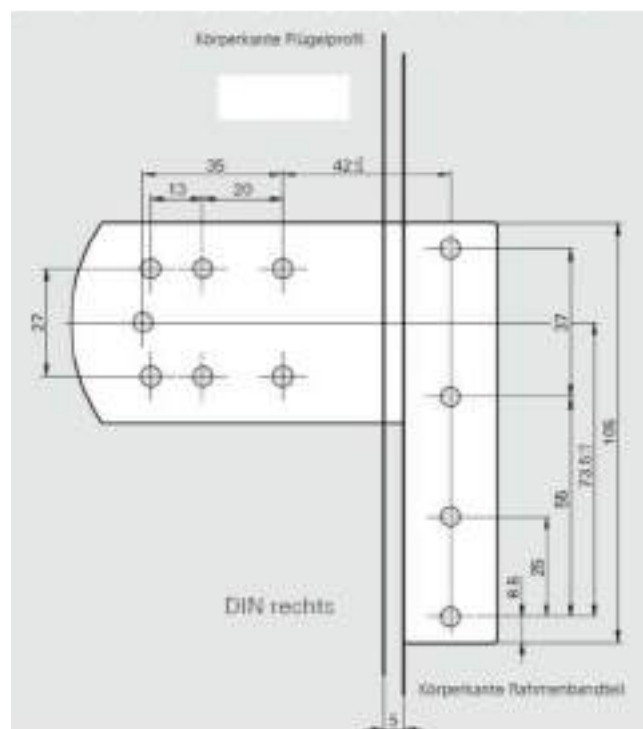
# Broaște pentru uși



# Balama PS27

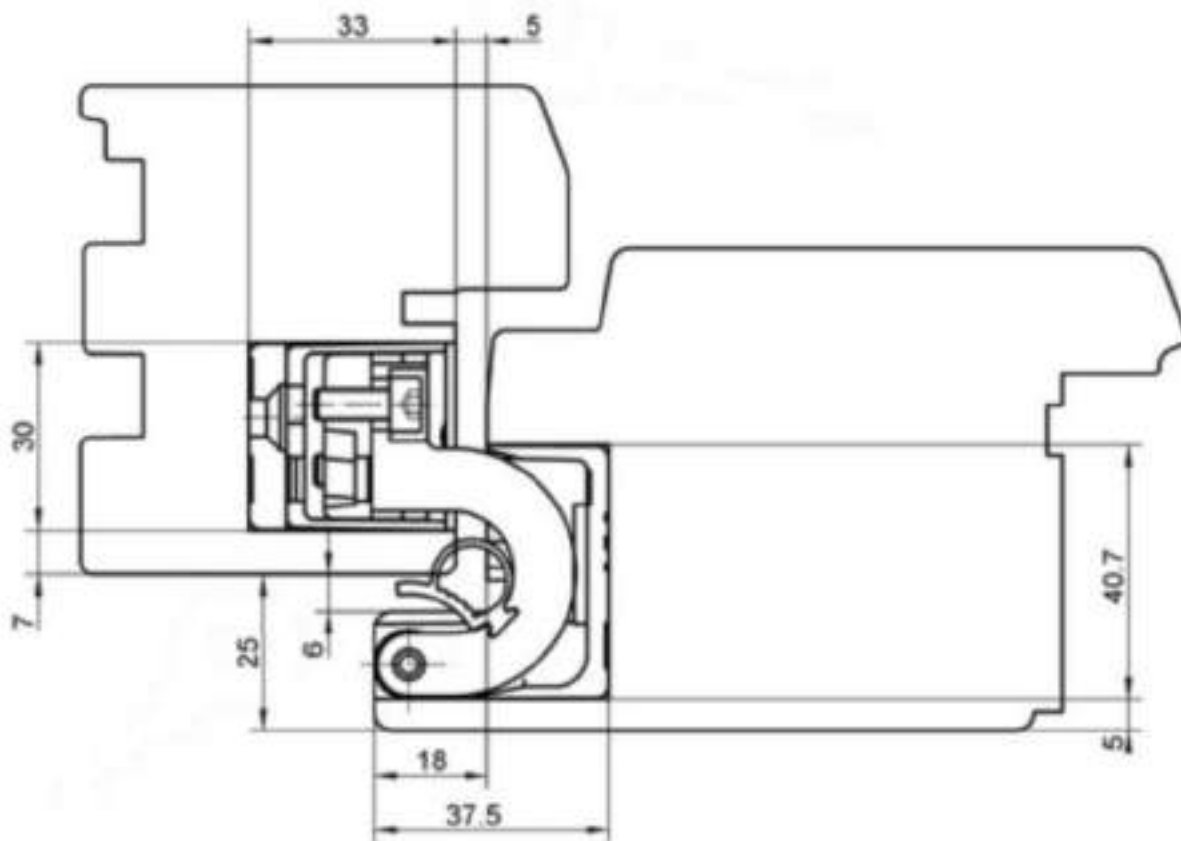


1. Capace acoperire
2. Capac pentru partea de cercevea a balamalei
3. Balama cercevea
4. Balama toc
5. Set modul cu stift si bucsa
6. Suruburi de fixare

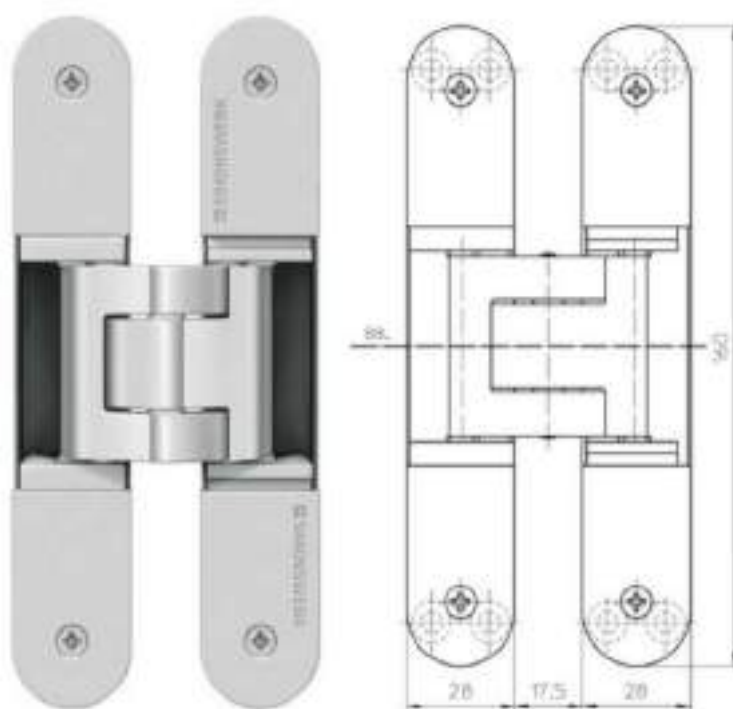


# Balamale ascunse pentru uși

Balamale ascunse pentru uși cu falț

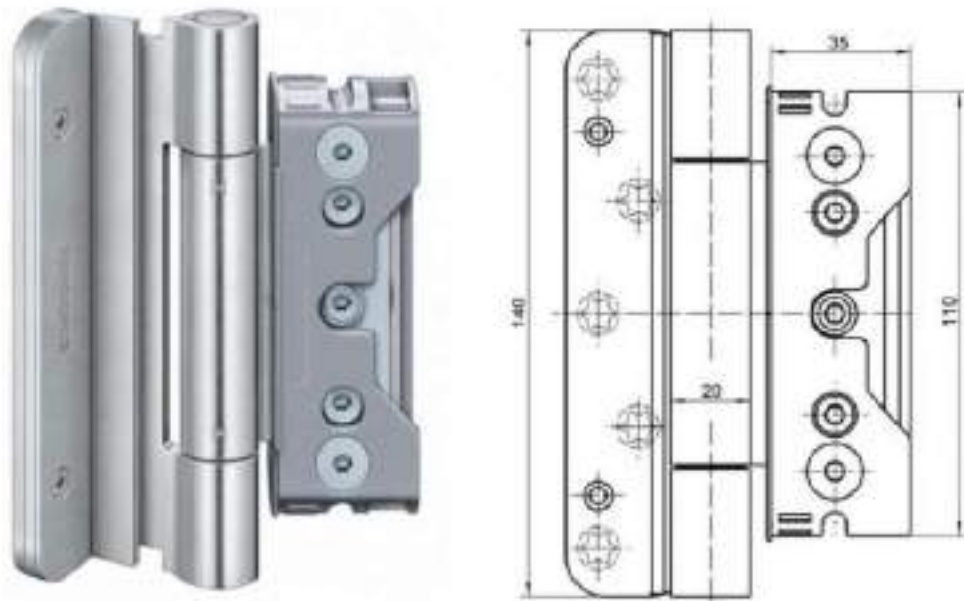


Balamale ascunse pentru uși fără falț (coplanare)

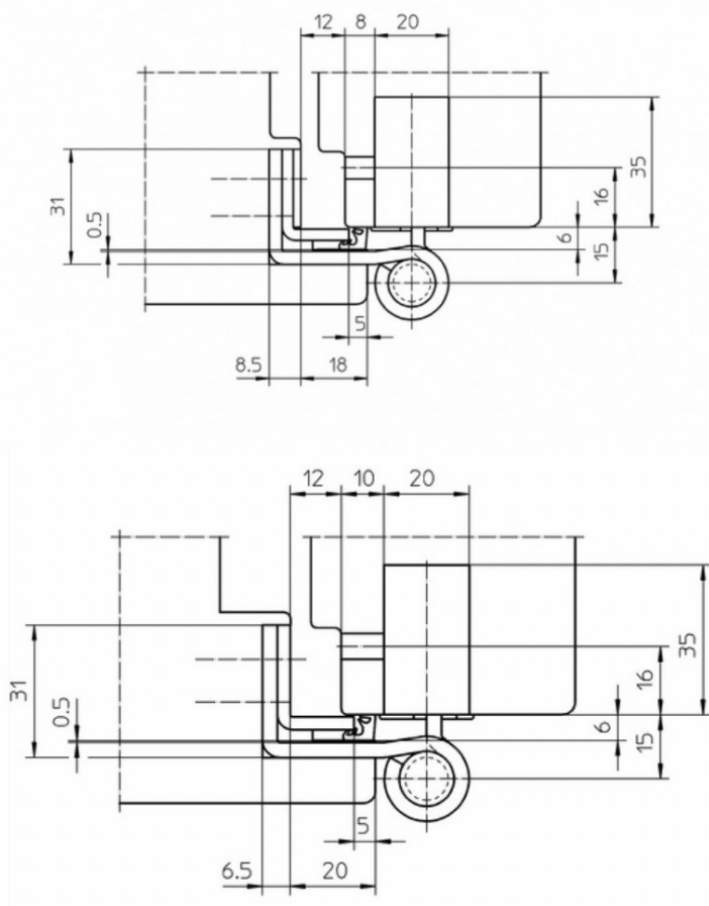


# Balamale cilindrice pentru uși

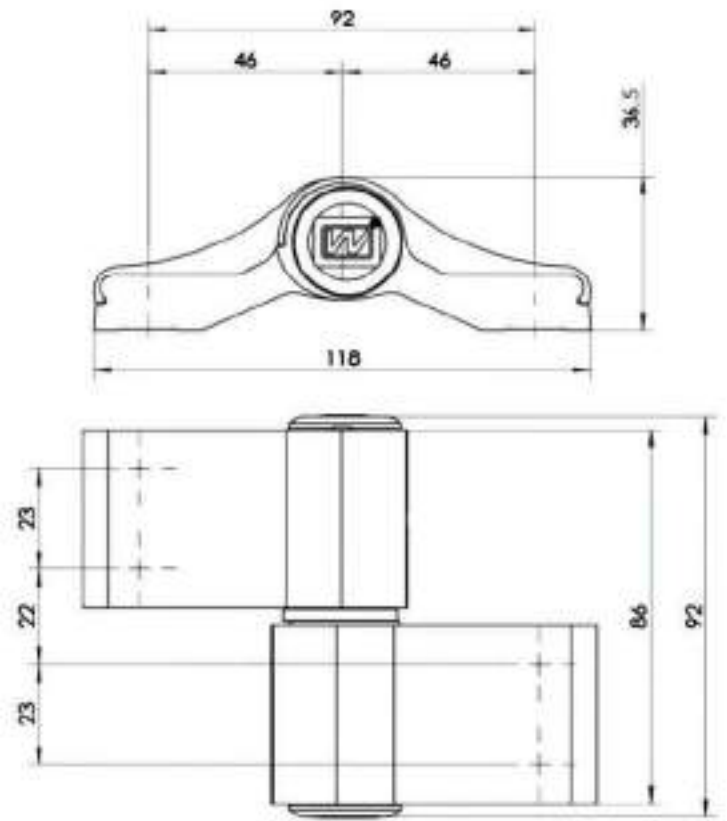
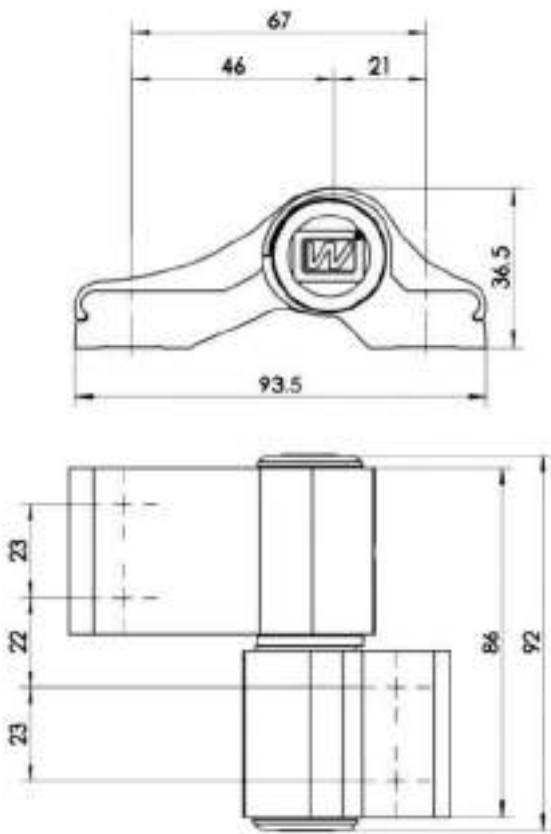
## Balamale cilindrice



## Detalii montaj balamale cilindrice



# Balamale pentru coplanare

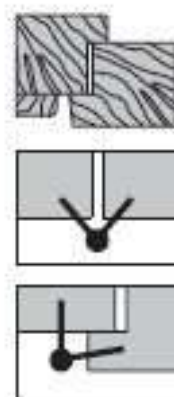
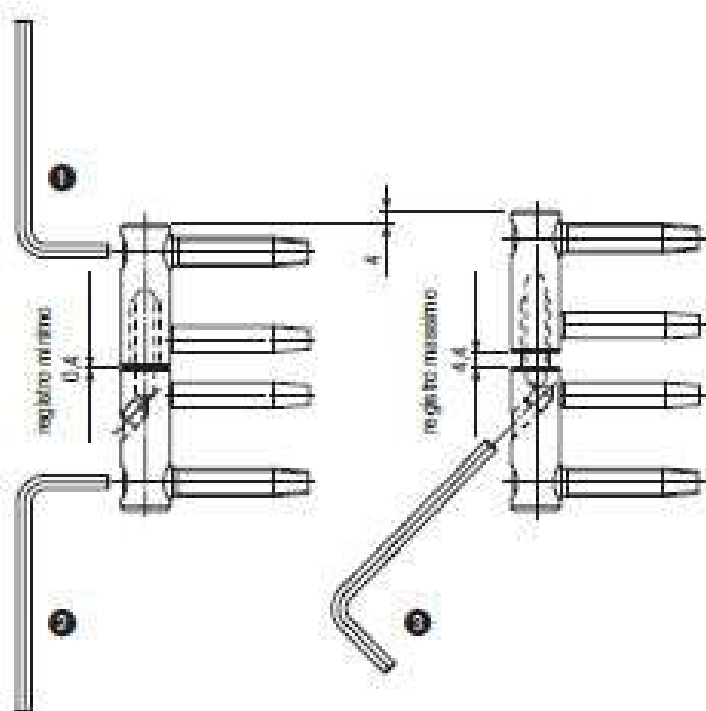
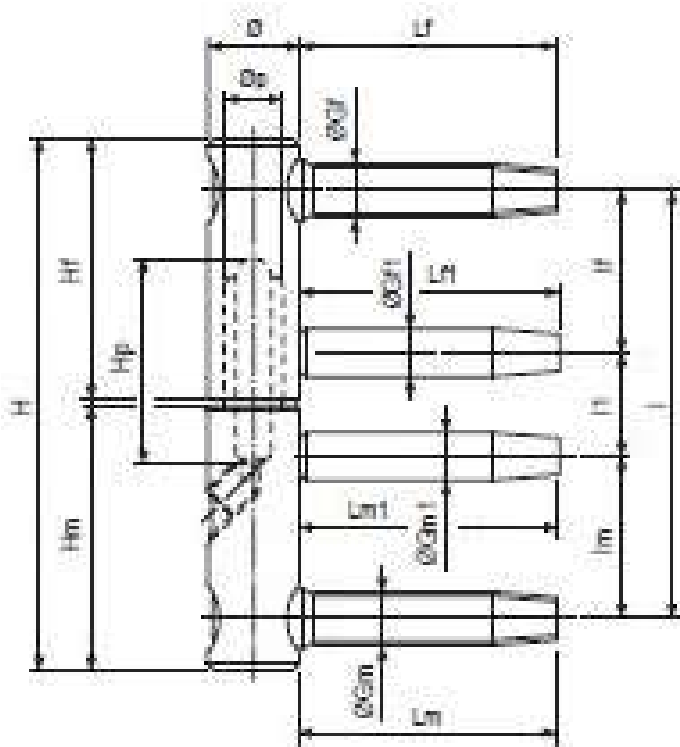


MEX HINGE



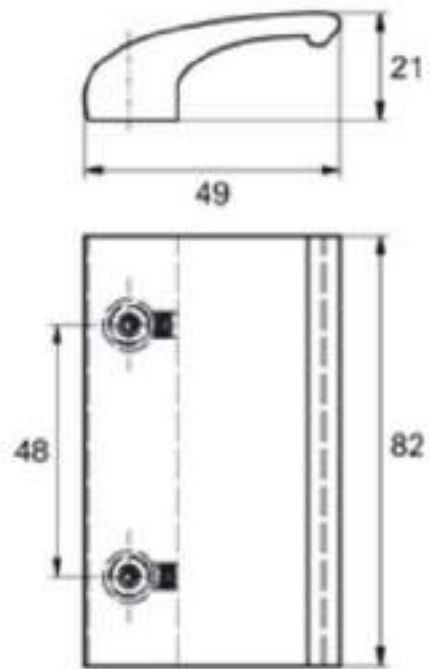
MX HINGE

# Balamale pipă 3D



# Mânere pentru uși de balcon

Mâner fals ușă balcon



Blocator toc

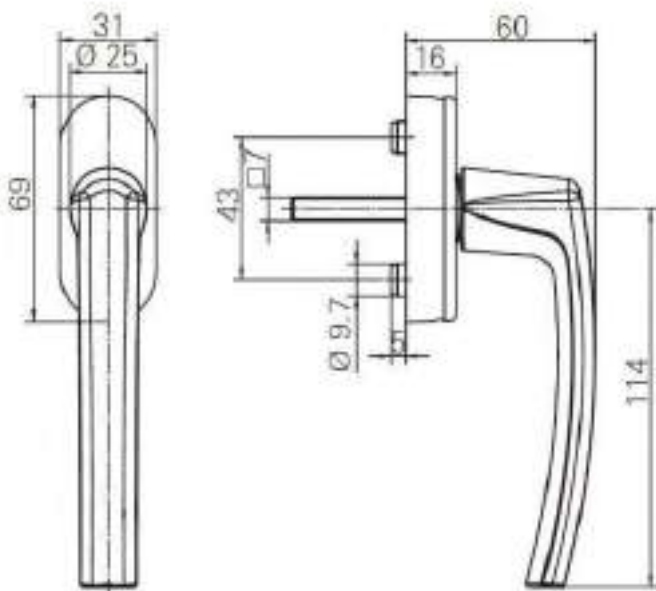
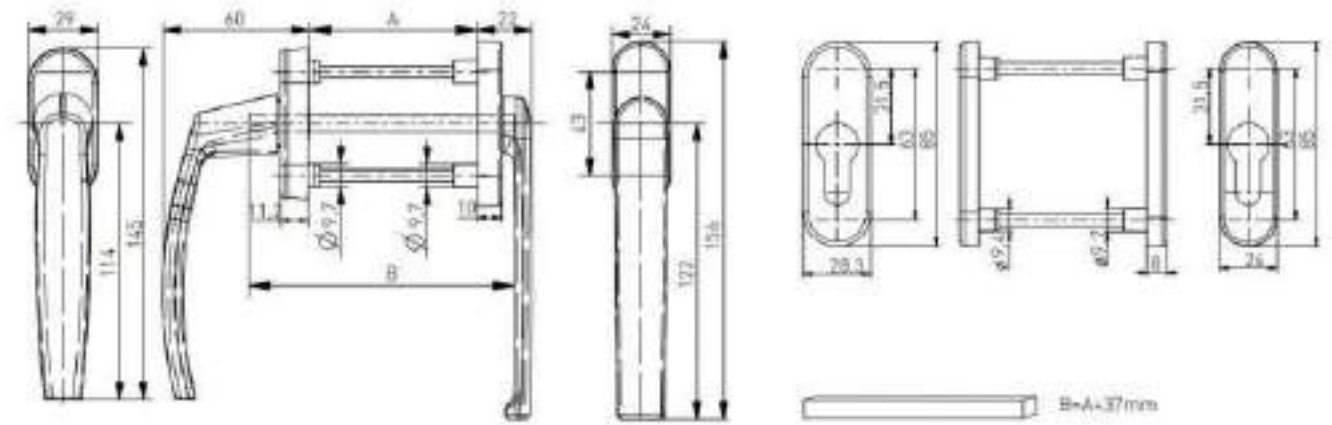


# Mânere false pentru uși exterior

Mâner fals ușă exterioară

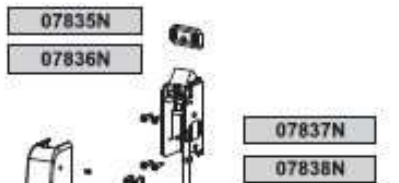
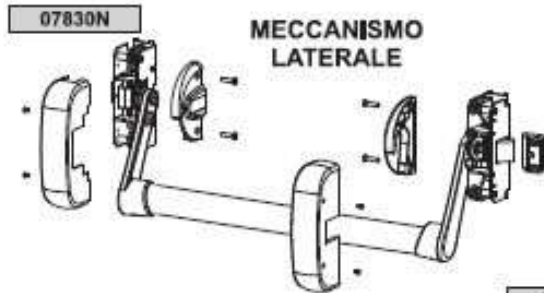


# Mânere standard pentru uși și ferestre

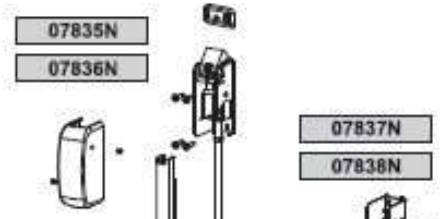


# Sisteme uși antipanică

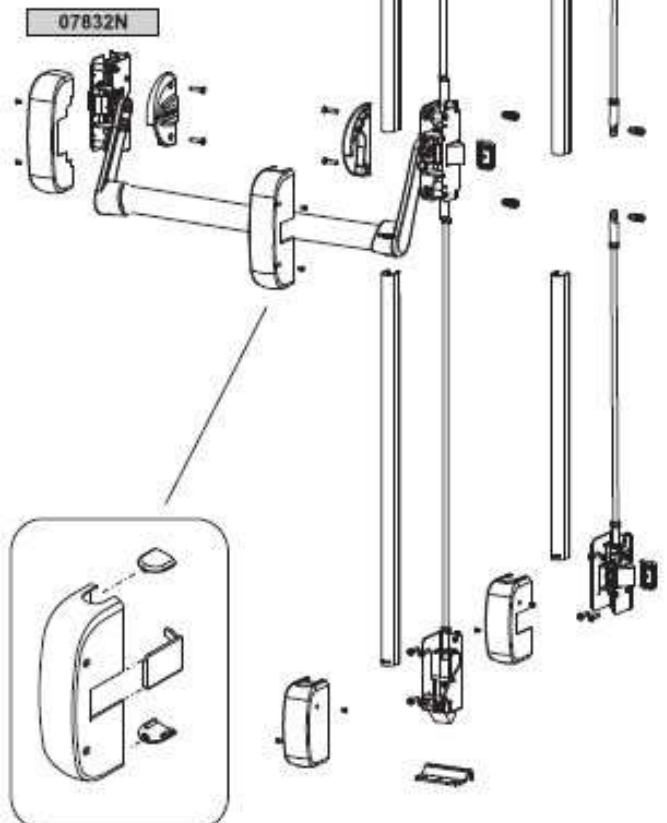
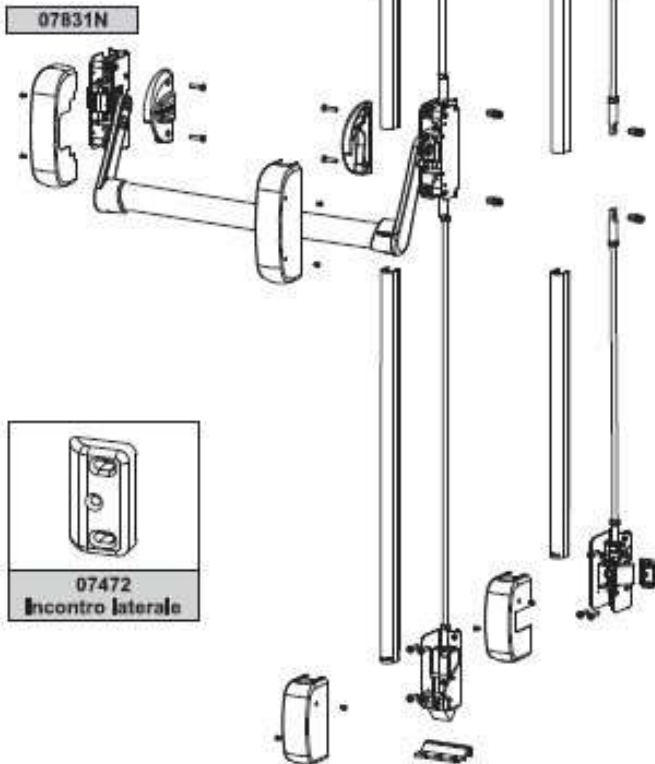
GS AP001



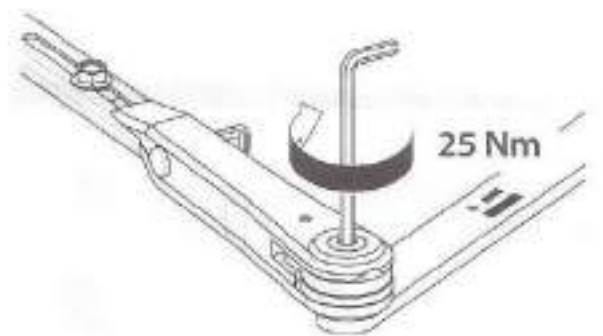
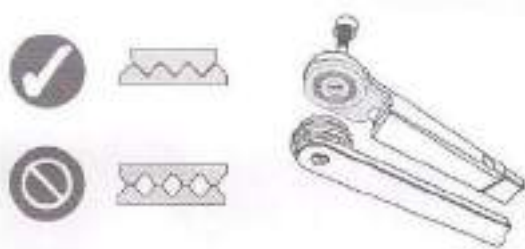
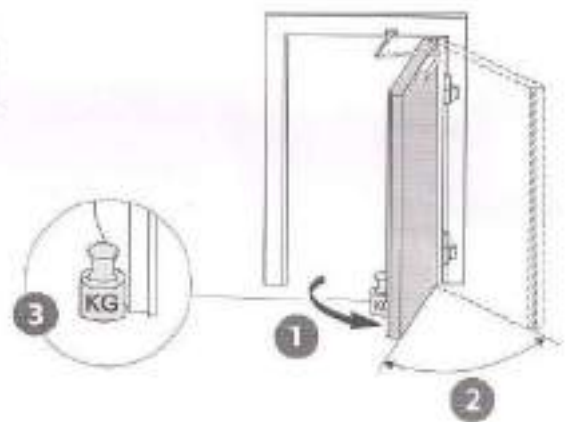
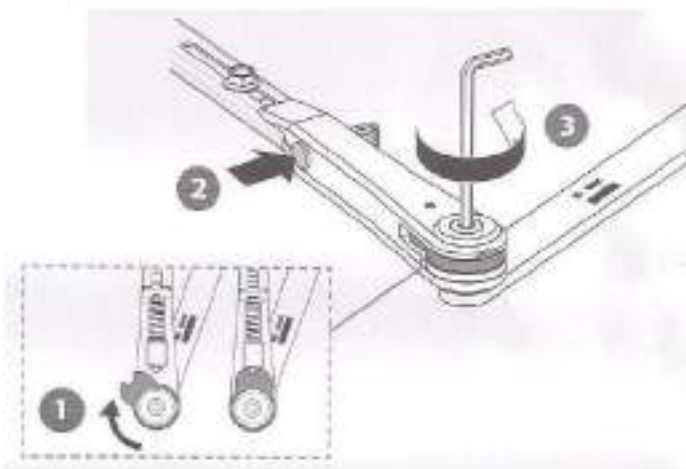
MECCANISMO ALTO/BASSO



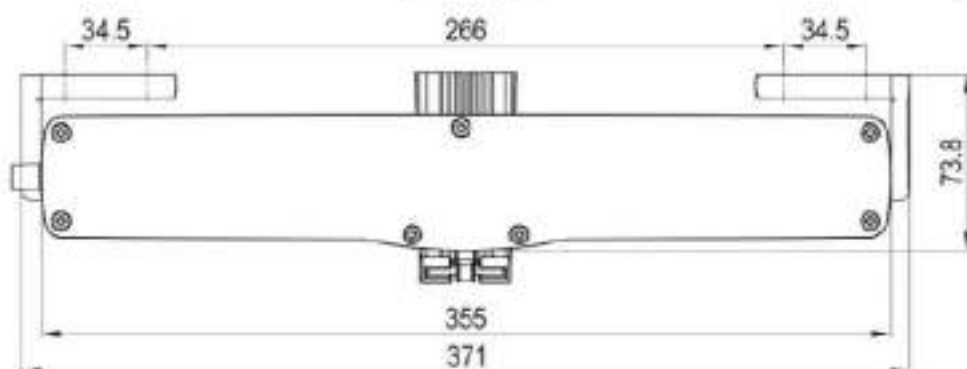
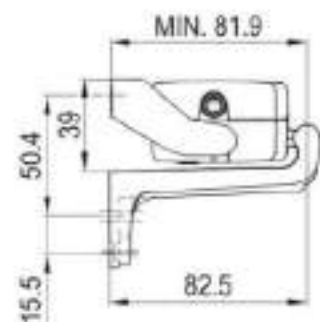
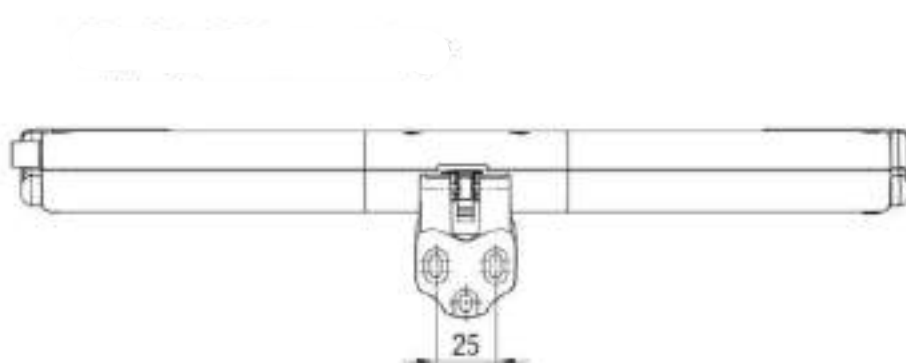
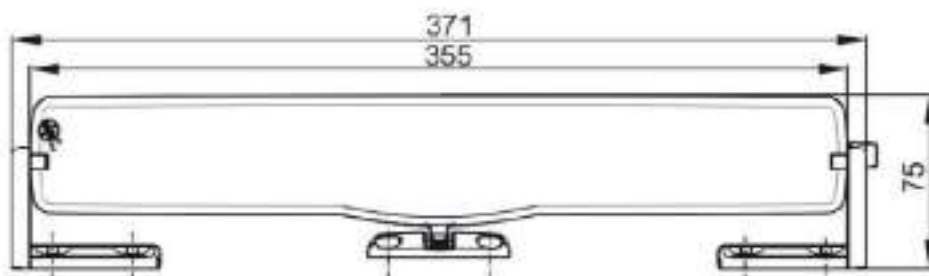
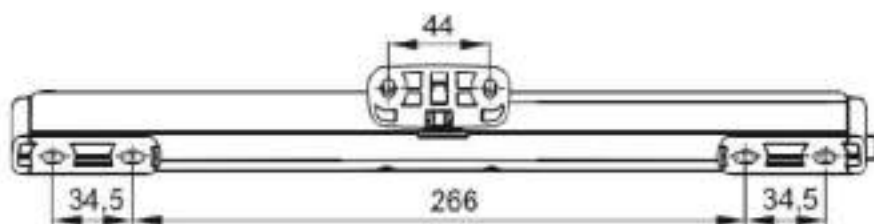
MECCANISMO MODULARE



# Amortizoare

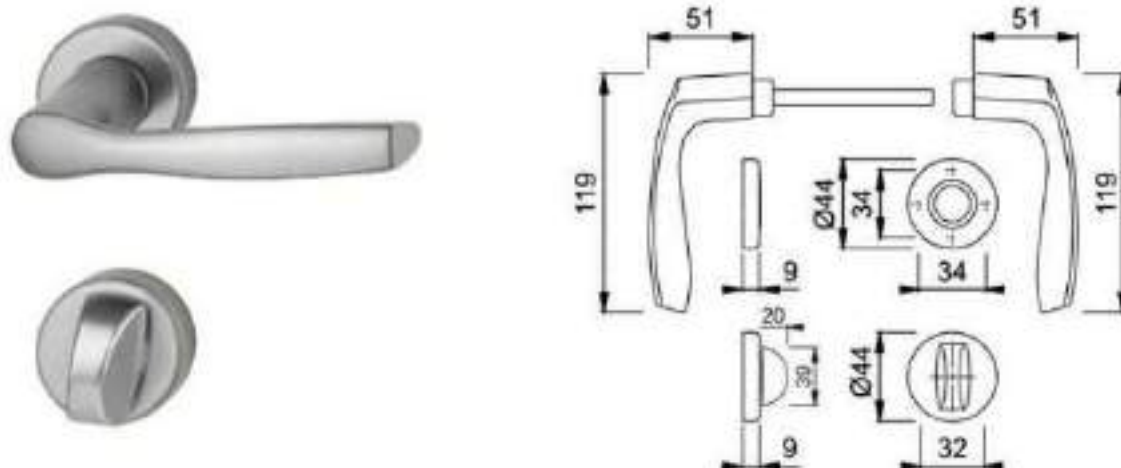


# Acționare la distanță cu motor

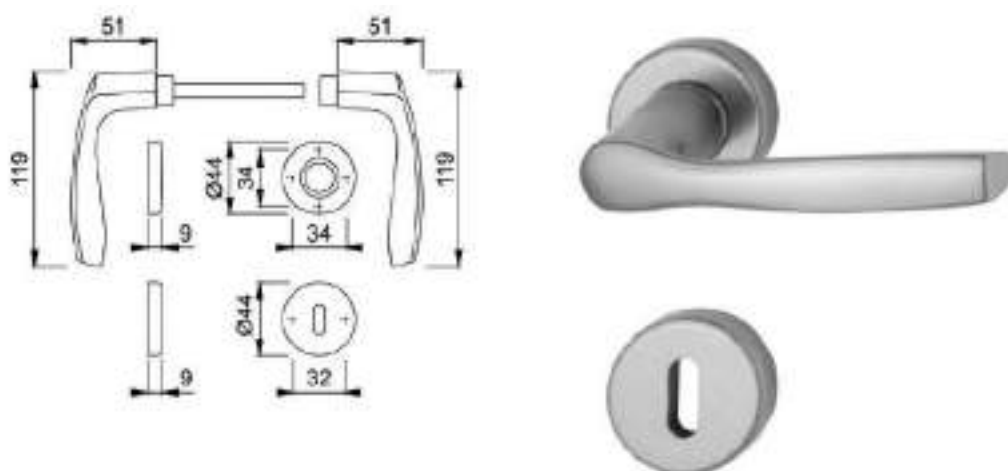


# Mânere pentru uși de interior dublustratificate

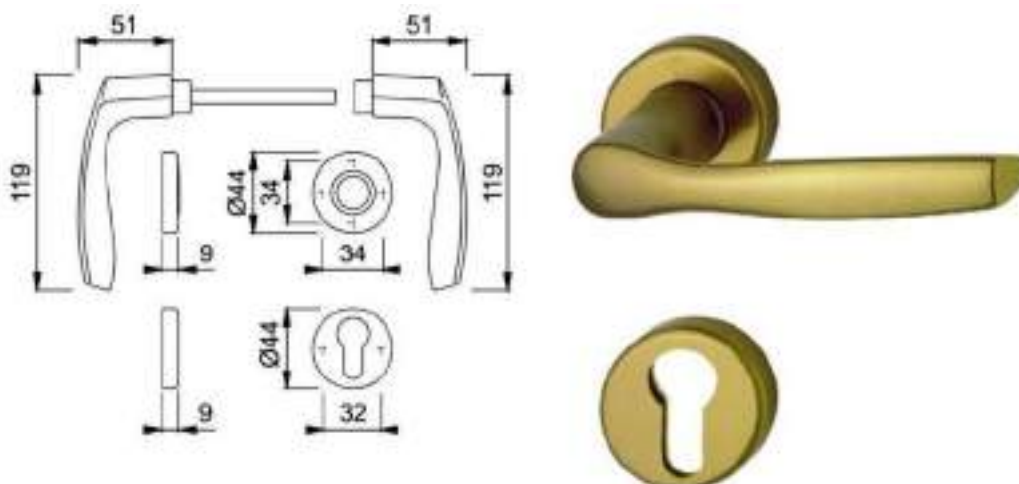
Măner pentru ușă de baie



Măner pentru ușă de interior cu cheie



Măner ușă de interior cu încuiere butuc



## Mănere speciale pentru ferestre



# Mânere ornamentale cu tijă



# Mânere ornamentale cu tijă



Model 2



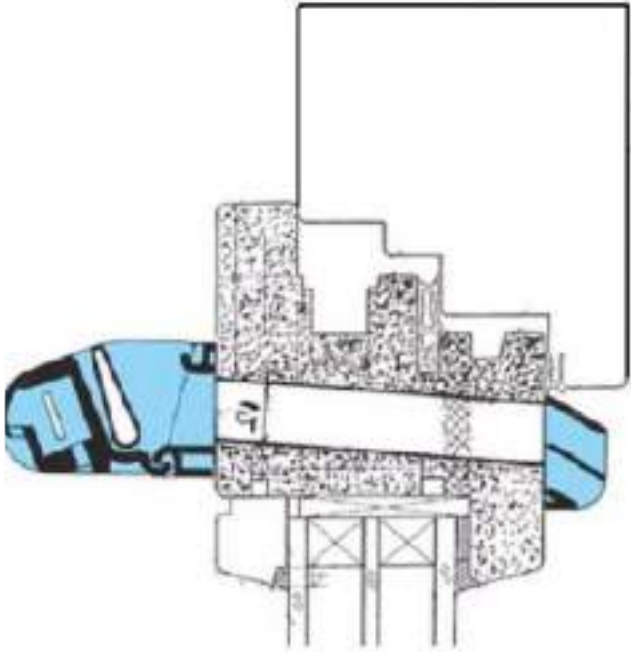
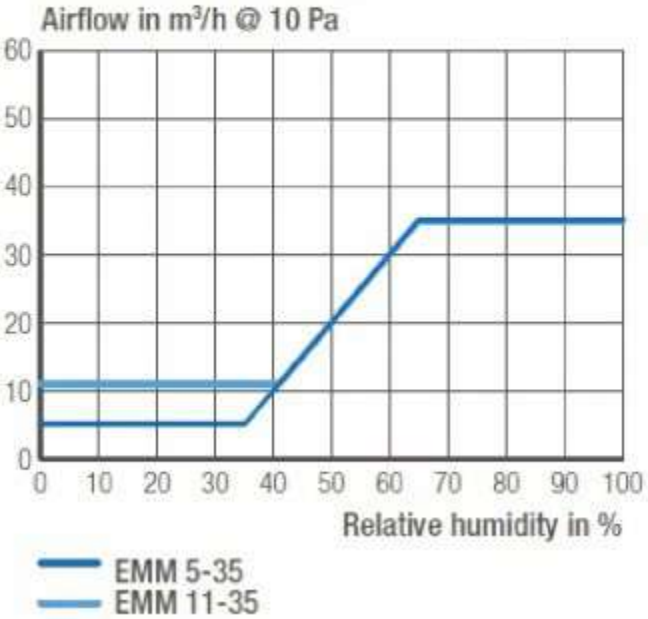
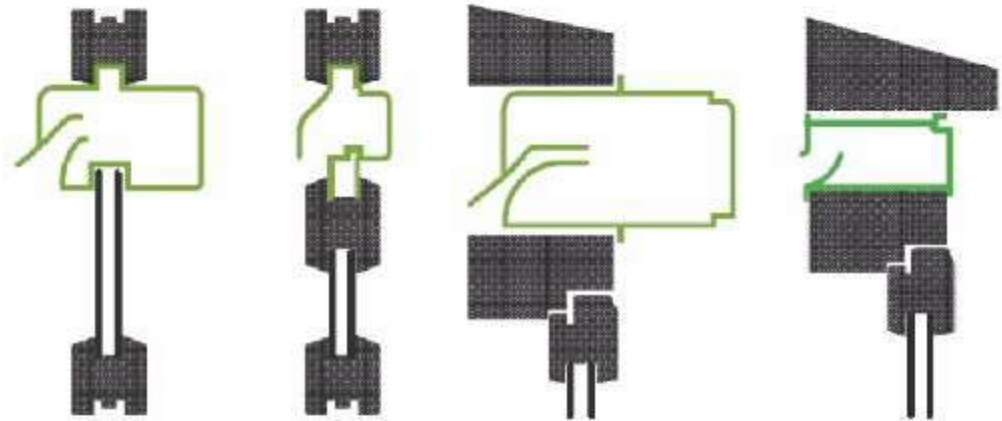
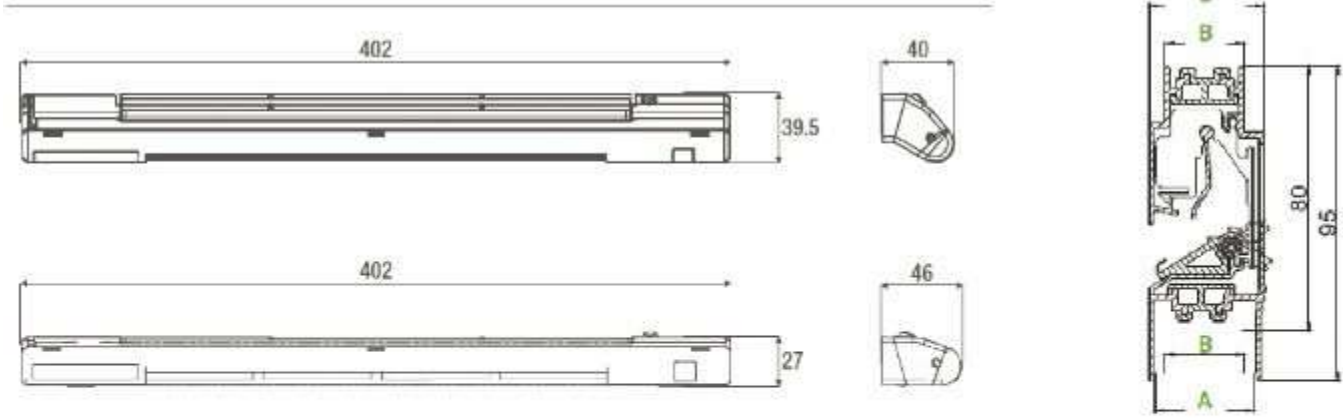
Model 3

# Mânere ornamentale cu tijă



# Grile de ventilație

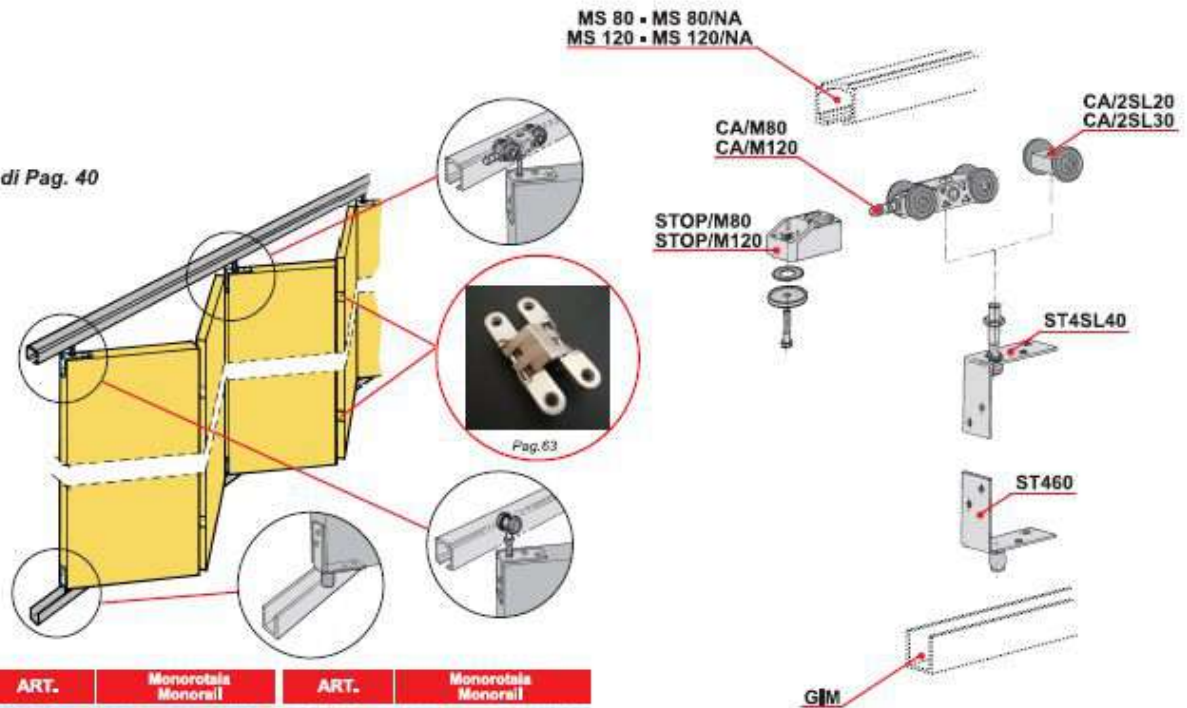
dimensiuni în mm





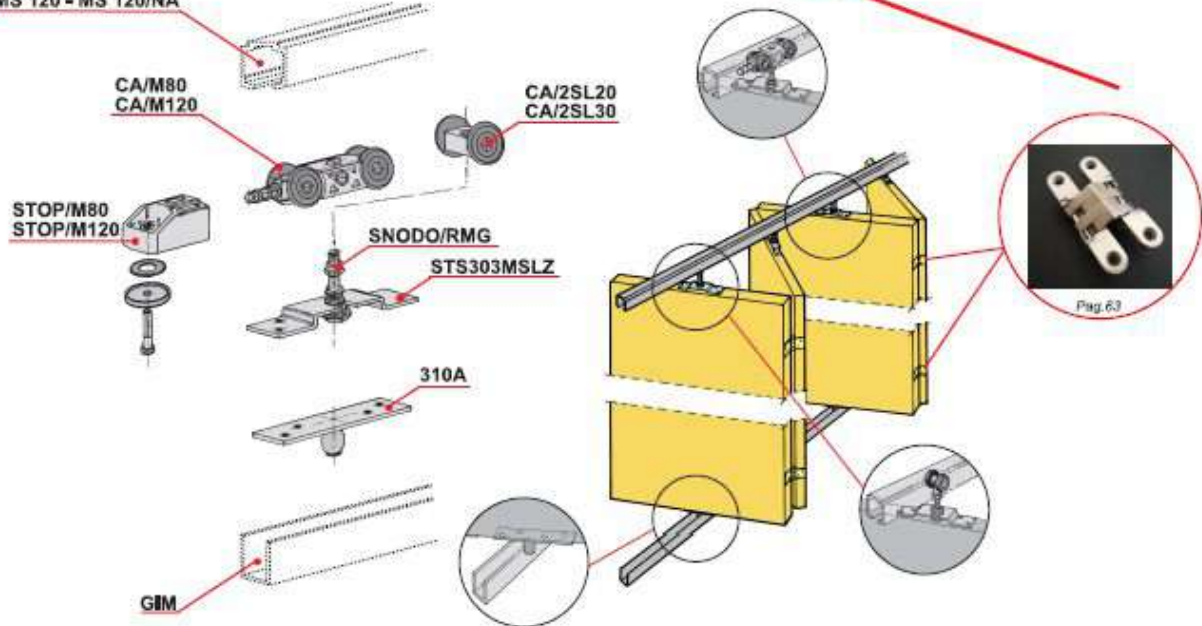
# Armonică/pliantă de interior

Vedî Pag. 40

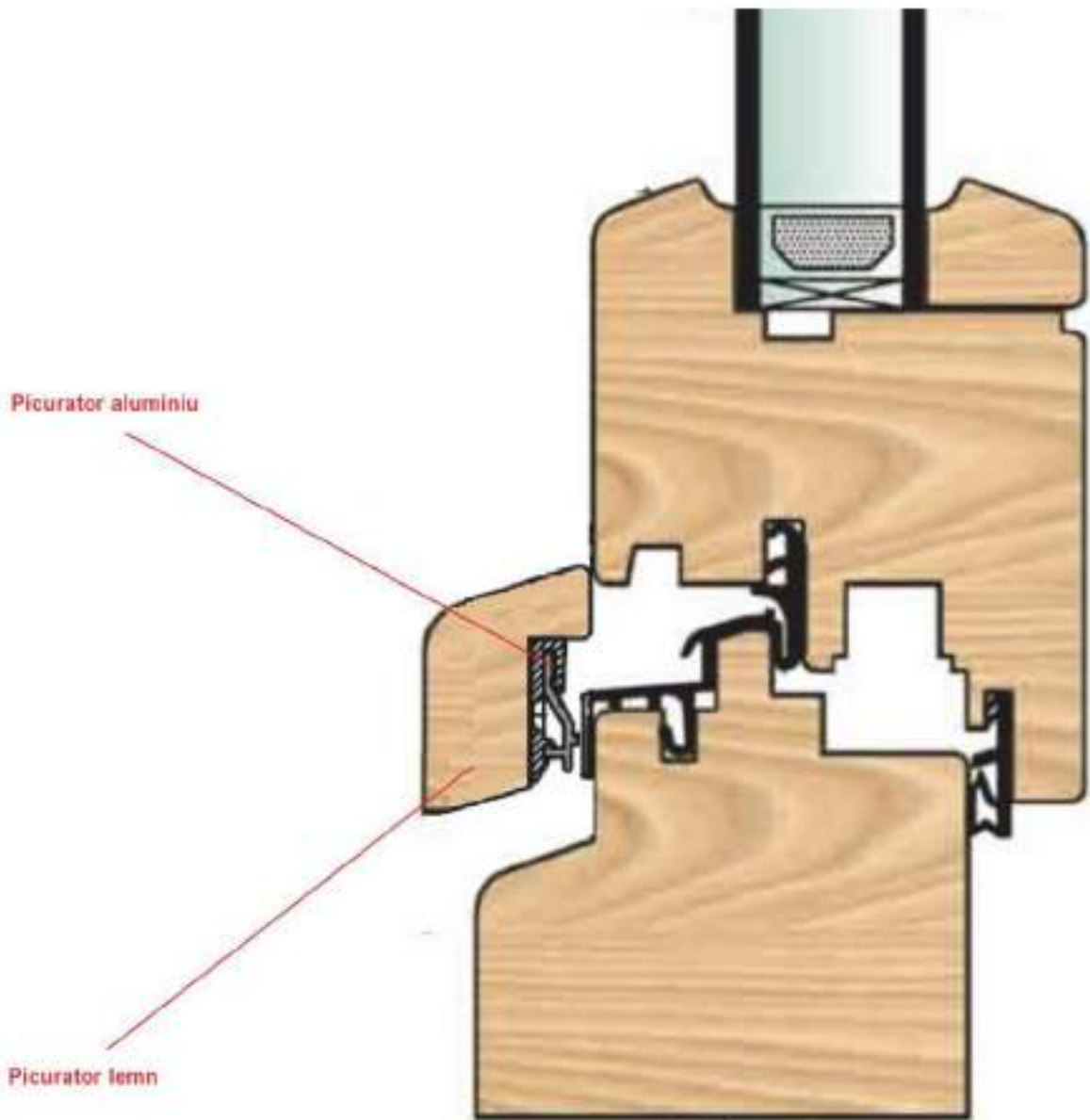


ART.	Monorotăia Monorail	ART.	Monorotăia Monorail
2SL 20	MS 80 - MS 80/NA	2SL 30	MS 120 - MS 120/NA
4SL 40	MS 80 - MS 80/NA	4SL 60	MS 120 - MS 120/NA

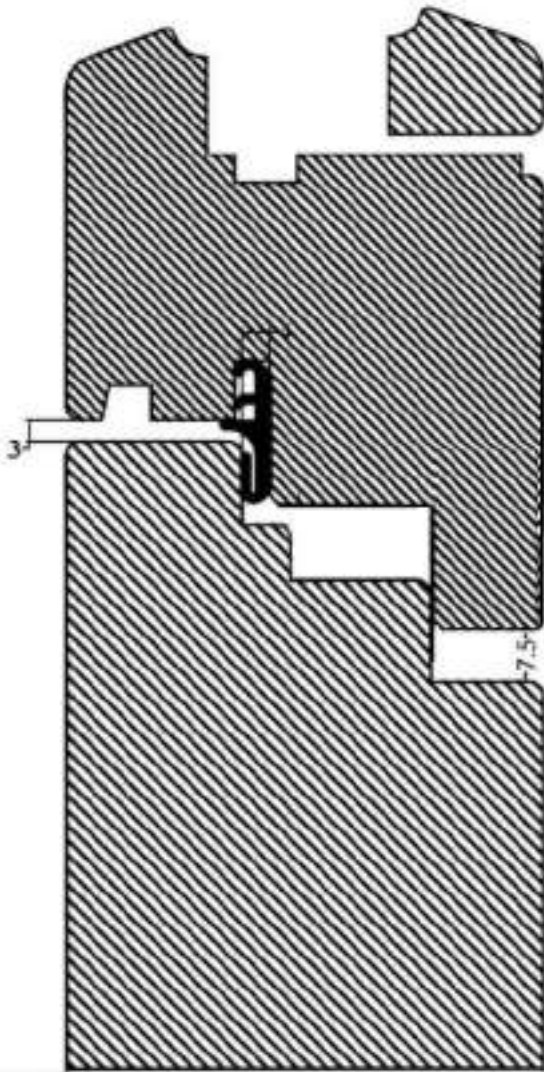
MS 80 - MS 80/NA  
MS 120 - MS 120/NA



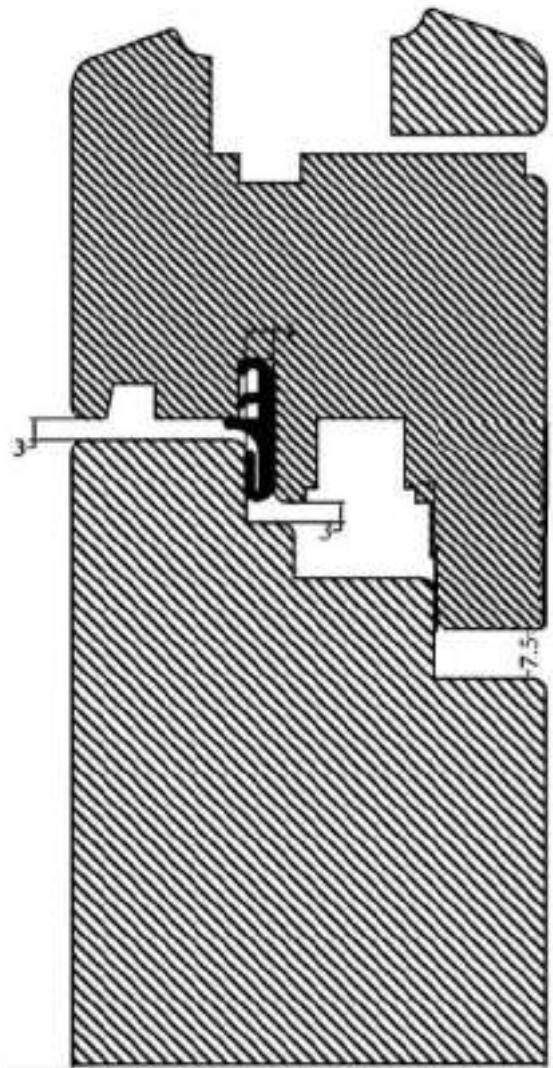
# Picurător de aluminiu acoperit cu lemn



# Ferestre și uși “coplanare”

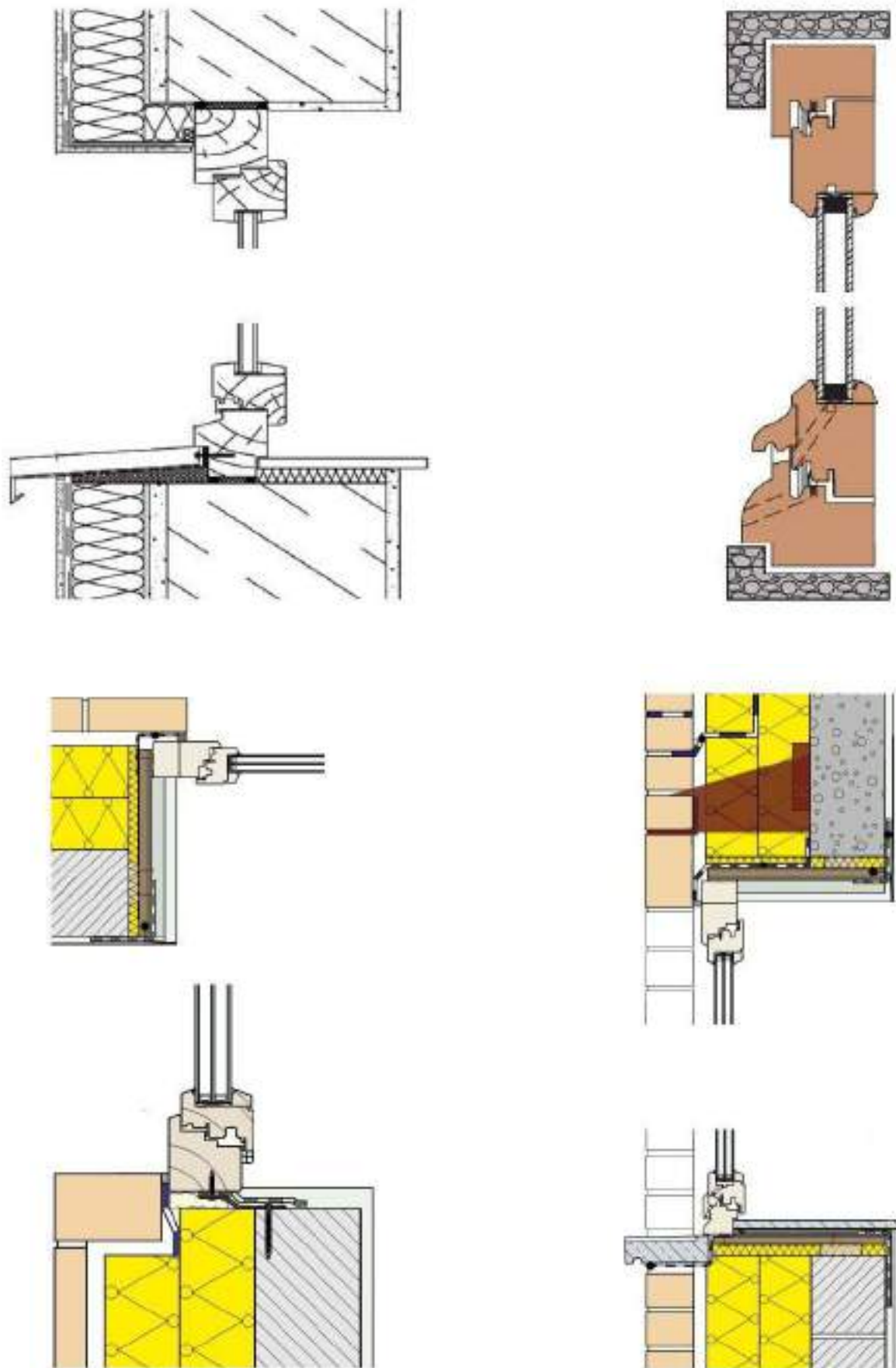


**Celelalte laterale**

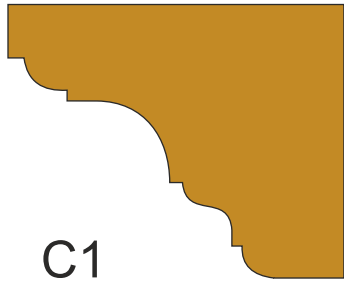


**Partea cu broasca**

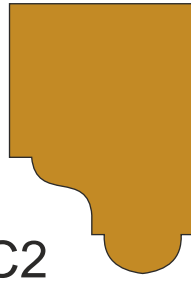
# Variante de instalare



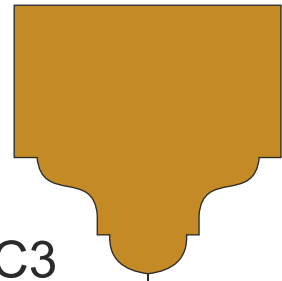
# Tabel freze profilate



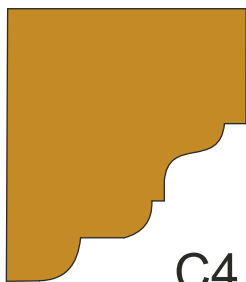
C1



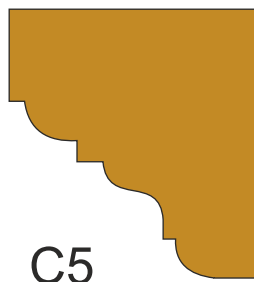
C2



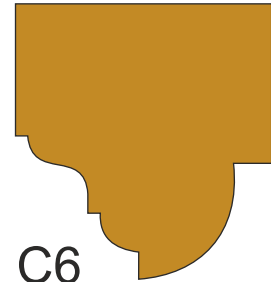
C3



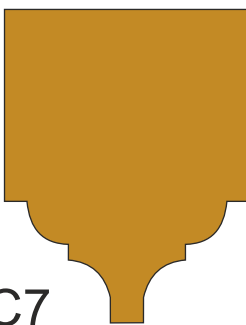
C4



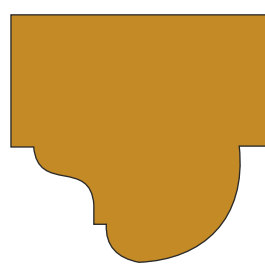
C5



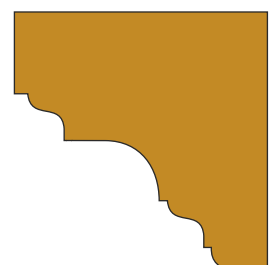
C6



C7



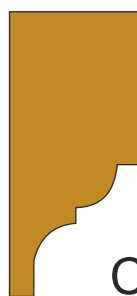
C8



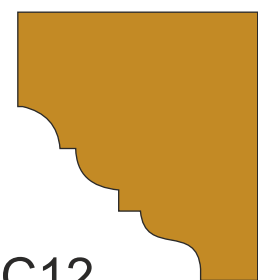
C9



C10



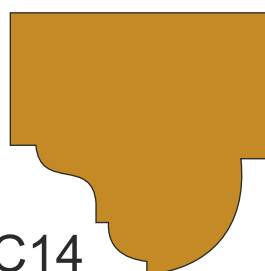
C11



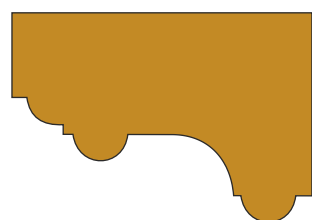
C12



C13

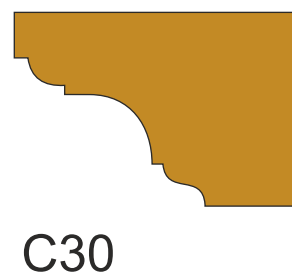
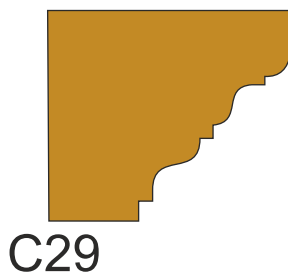
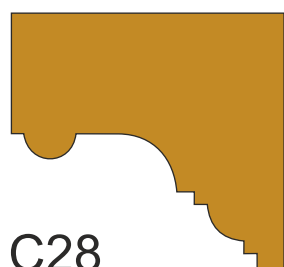
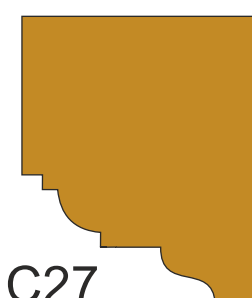
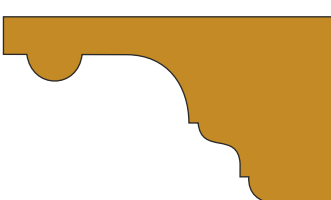
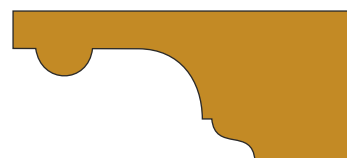
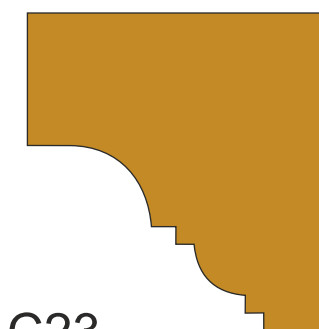
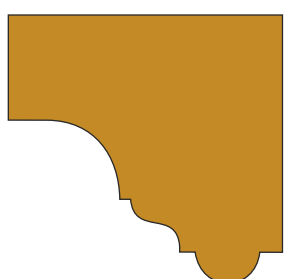
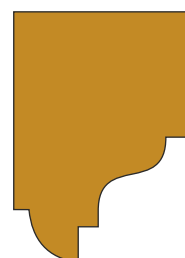
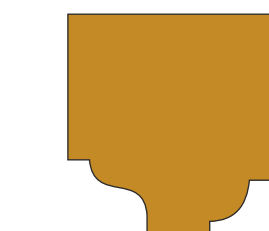
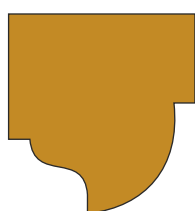
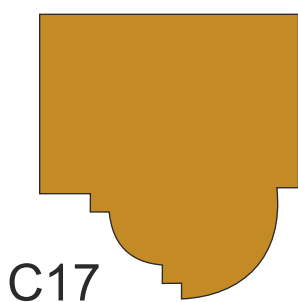
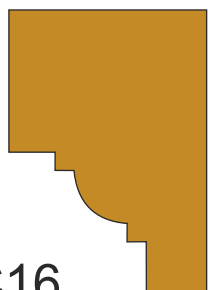


C14

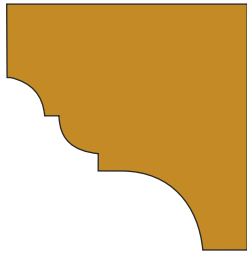


C15

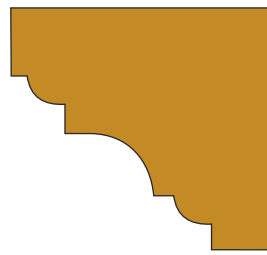
# Tabel freze profilate



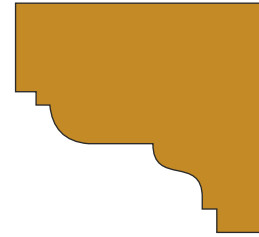
# Tabel freze profilate



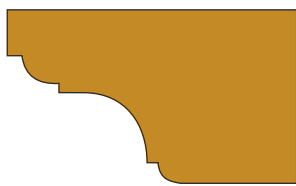
C31



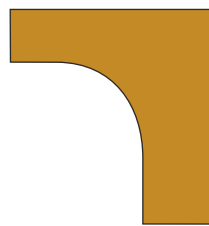
C32



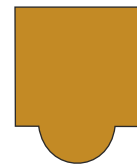
C33



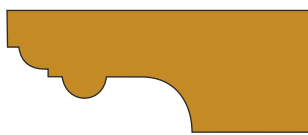
C34



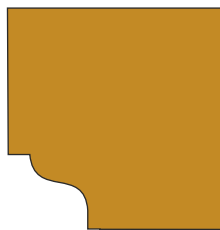
C35



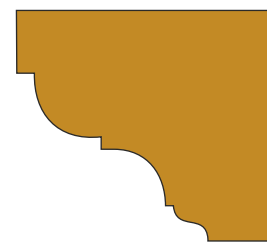
C36



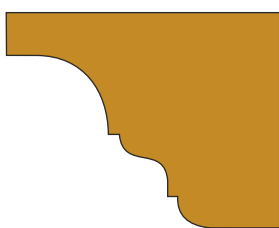
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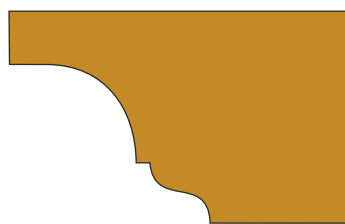
C38



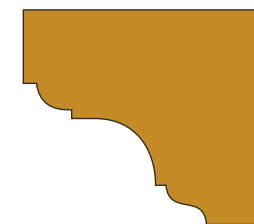
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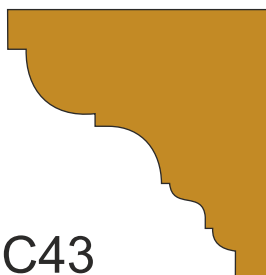
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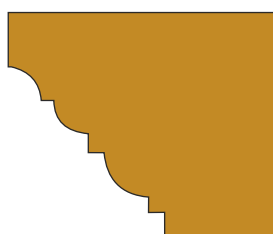
C41



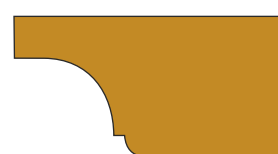
C42



C43

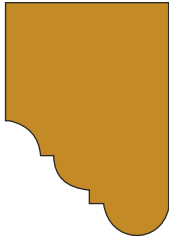


C44

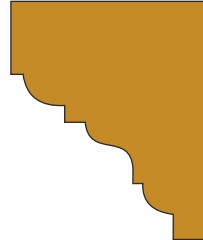


C45

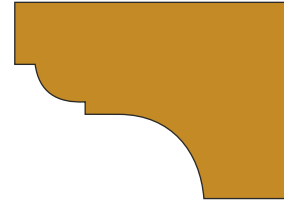
# Tabel freze profilate



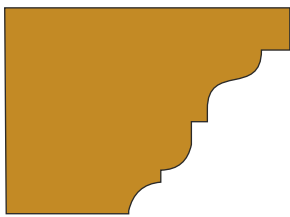
C46



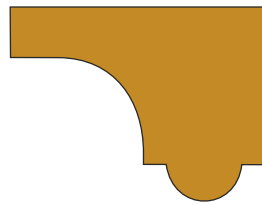
C47



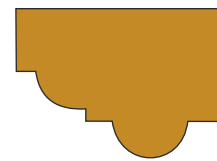
C48



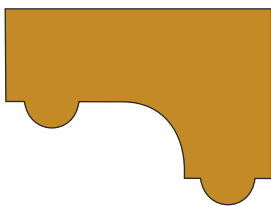
C49



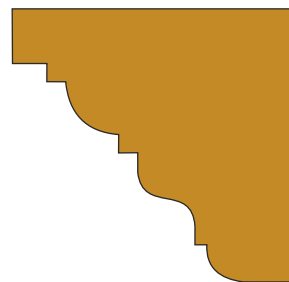
C50



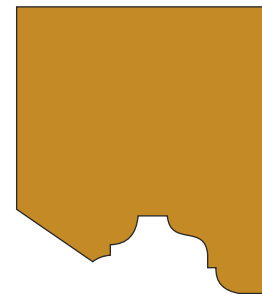
C51



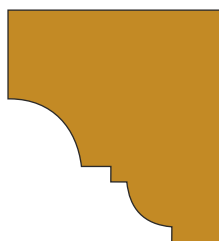
C52



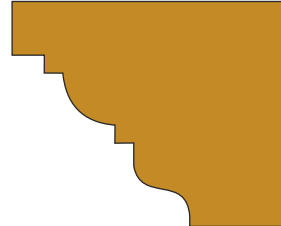
C53



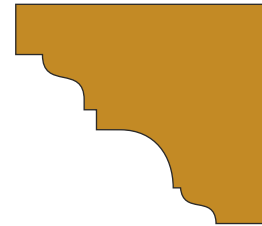
C54



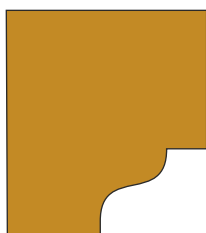
C55



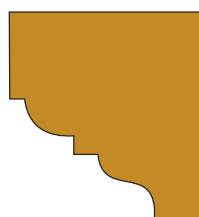
C56



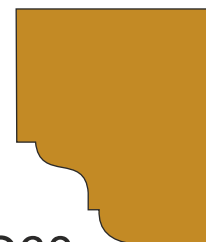
C57



C58



C59



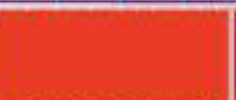

























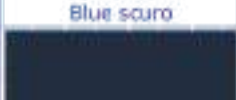









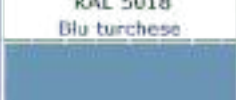





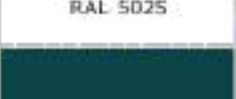
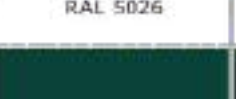



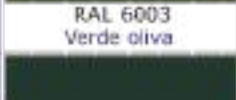

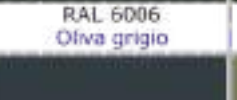




C60

# Paletar RAL

RAL 1000 Beige verde	RAL 1001 Beige	RAL 1002 Giallo Sabia	RAL 1003 Giallo segnale	RAL 1004 Giallo oro	RAL 1005 Giallo miele
RAL 1006 Giallo polenta	RAL 1007 Giallo narciso	RAL 1011 Beige marrone	RAL 1012 Giallo limone	RAL 1013 Bianco perla	RAL 1014 Avorio
RAL 1015 Avorio chiaro	RAL 1016 Giallo zolfo	RAL 1017 Giallo zafferano	RAL 1018 Giallo zinco	RAL 1019 Beige grigio	RAL 1020 Giallo oliva
RAL 1021 Giallo navone	RAL 1023 Giallo traffico	RAL 1024 Giallo ocra	RAL 1026 Giallo brillante	RAL 1027 Giallo curry	RAL 1028 Giallo melone
RAL 1032 Giallo scopa	RAL 1033 Giallo dalia	RAL 1034 Giallo pastello	RAL 1035	RAL 1036	RAL 1037 Giallo sole
RAL 2000 Arancio giallo	RAL 2001 Rosso arancio	RAL 2002 Arancio sangue	RAL 2003 Arancio pastello	RAL 2004 Arancio puro	RAL 2005 Arancio brillante
RAL 2007 Arancio chiaro brillante	RAL 2008 Arancio rosso chiaro	RAL 2009 Arancio traffico	RAL 2010 Arancio segnale	RAL 2011 Arancio profondo	RAL 2012 Arancio salmone
RAL 2013	RAL 3000 Rosso fuoco	RAL 3001 Rosso segnale	RAL 3002 Rosso carmino	RAL 3003 Rosso rubino	RAL 3004 Rosso porpora
RAL 3005 Rosso vino	RAL 3007 Rosso nerastro	RAL 3009 Rosso ossido	RAL 3011 Rosso marone	RAL 3012 Rosso beige	RAL 3013 Rosso pomodoro
RAL 3014 Rosa antico	RAL 3015 Rosa chiaro	RAL 3016 Rosso corallo	RAL 3017 Rosato	RAL 3018 Rosso fragola	RAL 3020 Rosso traffico

# Paletar RAL

					
RAL 3022 Rosso salmone	RAL 3024 Rosso brillante	RAL 3026 Rosso chiaro brillante	RAL 3027 Rosso lampone	RAL 3028 Rosso puro	RAL 3031 Rosso oriente
					
RAL 3032	RAL 3033	RAL 4001 Rosso lilla	RAL 4002 Rosso violetto	RAL 4003 Viola erica	RAL 4004 Viola bordeaux
					
RAL 4005 Lilla blu	RAL 4006 Porpora traffico	RAL 4007 Viola porpora	RAL 4008 Viola segnale	RAL 4009 Violetto pastello	RAL 4010 Tele magenta
					
RAL 4011	RAL 4012	RAL 5000 Blu violetto	RAL 5001 Blu verde	RAL 5002 Blu oltremare	RAL 5003 Blu zaffiro
					
RAL 5004 Blue scuro	RAL 5005 Blu segnale	RAL 5007 Blu brillante	RAL 5008 Blue grigio	RAL 5009 Blue azzurro	RAL 5010 Blu genziana
					
RAL 5011 Blu acciaio	RAL 5012 Blue luce	RAL 5013 Blu cobalto	RAL 5014 Blue colomba	RAL 5015 Blu cielo	RAL 5017 Blue traffico
					
RAL 5018 Blu turchese	RAL 5019 Blu capri	RAL 5020 Blu oceano	RAL 5021 Blu aqua	RAL 5022 Blu notte	RAL 5023 Blu distante
					
RAL 5024 Blue pastello	RAL 5025	RAL 5026	RAL 6000 Patina verde	RAL 6001 Verde smeraldo	RAL 6002 Verde foglia
					
RAL 6003 Verde oliva	RAL 6004 Verde blu	RAL 6005 Verde muschio	RAL 6006 Oliva grigio	RAL 6007 Verde bottiglia	RAL 6008 Verde bruno
					
RAL 6009 Verde abete	RAL 6010 Verde erba	RAL 6011 Verde reseda	RAL 6012 Verde scuro	RAL 6013 Verde canna	RAL 6014 Oliva giallo

# Paletar RAL

					
RAL 6015 Oliva scuro	RAL 6016 Verde turchese	RAL 6017 Verde maggio	RAL 6018 Verde giallo	RAL 6019 Verde bianco	RAL 6020 Verde cromo
					
RAL 6021 Verde pallido	RAL 6022 Oliva bruno	RAL 6024 Verde traffico	RAL 6025 Verde felce	RAL 6026 Verde opale	RAL 6027 Verde chiaro
					
RAL 6028 Verde pino	RAL 6029 Verde menta	RAL 6032 Verde segnale	RAL 6033 Turchese menta	RAL 6034 Turchese pastello	RAL 6035
					
RAL 6036	RAL 6037 Verde puro	RAL 6038 Verde brillante	RAL 7000 Grigio vaio	RAL 7001 Grigio argento	RAL 7002 Grigio oliva
					
RAL 7003 Grigio muschio	RAL 7004 Grigio segnale	RAL 7005 Grigio topo	RAL 7006 Grigio beige	RAL 7008 Grigio kaki	RAL 7009 Grigio verdastro
					
RAL 7010 Grigio tenda	RAL 7011 Grigio ferro	RAL 7012 Grigio basalto	RAL 7013 Grigio marrone	RAL 7015 Grigio ardesia	RAL 7016 Grigio antracite
					
RAL 7021 Grigio scuro	RAL 7022 Grigio ombra	RAL 7023 Grigio calcestruzzo	RAL 7024 Grigio grafite	RAL 7026 Grigio granito	RAL 7030 Grigio pietra
					
RAL 7031 Grigio blu	RAL 7032 Grigio ghiala	RAL 7033 Grigio cemento	RAL 7034 Grigio giallo	RAL 7035 Grigio luce	RAL 7036 Grigio platino
					
RAL 7037 Grigio polvere	RAL 7038 Grigio agata	RAL 7039 Grigio quarzo	RAL 7040 Grigio finestra	RAL 7042 Grigio traffico A	RAL 7043 Grigio traffico B
					
RAL 7044 Grigio seta	RAL 7045 Grigio tele 1	RAL 7046 Grigio tele 2	RAL 7047 Grigio tele 4	RAL 7048	RAL 8000 Marrone verde

# Paletar RAL

					
RAL 8001 Marrone ocra	RAL 8002 Marrone segnale	RAL 8003 Marrone fango	RAL 8011 Marrone noce	RAL 8012 Marrone rosso	RAL 8014 Marrone seppia
					
RAL 8019 Marrone grigio	RAL 8022 Marrone scuro	RAL 8023 Marrone arancio	RAL 8029	RAL 9001 Bianco crema	RAL 9002 Bianco grigio
					
RAL 9006 Alluminio brillante	RAL 9007 Alluminio grigiastro	RAL 9010 Bianco puro	RAL 9018 Bianco papiro	RAL 9022	RAL 9023
					
RAL 8004 Marrone rame	RAL 8007 Marrone carolo	RAL 8008 Marrone oliva	RAL 8015 Marrone castagna	RAL 8016 Marrone mogano	RAL 8017 Marrone cioccolata
					
RAL 8024 Marrone beige	RAL 8025 Marrone pallido	RAL 8028 Marrone terra	RAL 9003 Bianco segnale	RAL 9004 Nero segnale	RAL 9005 Nero profondo
					
RAL 9011 Nero grafite	RAL 9016 Bianco traffico	RAL 9017 Nero traffico			

Lacurile pe bază de apă se pot face pigmentate, adică se adaugă pigment pentru a se obține culoare din gama RAL. De menționat faptul că această culoare estompează fibra lemnului.

# Paletar baiț ICA



C12



C19



C33



C51



C13



C20



C2018R



C62



C14



C21



C09



C68



CNA15



C22



C08



C70



CNA16



C23



C07



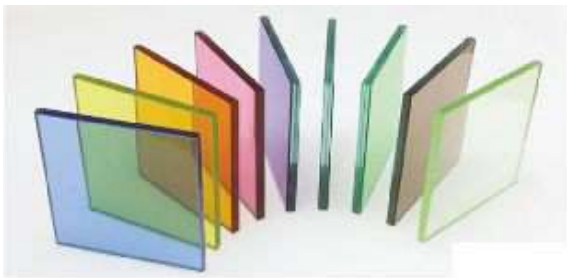
C73

Lacul și grundul transparent lasă vizibilă fibra lemnului, aceasta fiind personalizată cu diferite nuanțe de baiț după dorința clientului.

# Paletar baiț REMMERS



# Tipuri de sticlă



Colonial



Diamond



Prairie



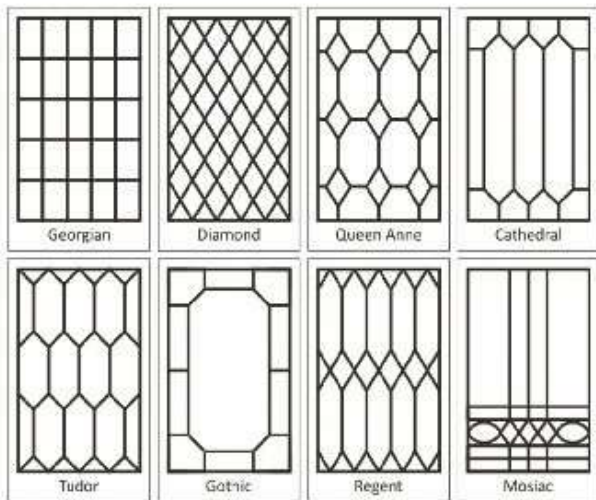
StarCrest



Double Prairie



StarCrest III



Aquatic



Clinchik



Cuspid



Carroll Article



Glass Chip



Wassco



R016 Coscut



Seely



Torco



Winnex



# Geam termopan standard

Sticlă termopan duplex+lowe  
Sticlă tripan cu una din foi duplex.



## LUMINOUS FACTORS EN410 (2011-04)

Light Transmittance (TL)	82 %
Outdoor Reflectance (RLe)	11 %
Indoor Reflectance (RLi)	12 %

## THERMAL TRANSMISSION EN673-2011

Ug	1.1 W/(m².K)
Angle relative to the vertical	0 °

## MANUFACTURING SIZES

Nominal Thickness	24.00 mm
Weight	20.0 kg/m²

## ACOUSTICS EN 12758

Acoustic values according to EN 12758 and from notified body

Rw (C,Ctr)	31 (-1; -4) dB
STC (ASTM E413)	N/A
OITC (ASTM E1332)	N/A

## UV FACTORS EN410 (2011-04)

TUV	43 %
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## SAFETY CLASS EN 12600

Pendulum Body Resistance	NPD
--------------------------	-----

## ENERGY FACTORS EN410 (2011-04)

Transmittance (TE)	60 %
Outdoor Reflectance (Ree)	27 %
Indoor Reflectance (Rei)	27 %
Absorptance A1 (AE1)	7 %
Absorptance A2 (AE2)	6 %

## SOLAR FACTORS EN410 (2011-04)

Solar Factor (g)	0.65
Shading Coefficient (SC)	0.75

## COLOR RENDERING

Transmission (Ra)	98
Reflection (Ra)	97

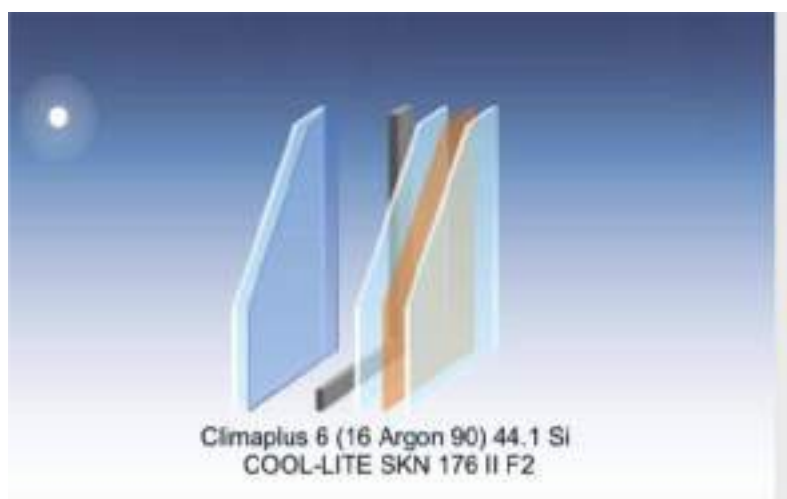
## ANTI-BURGLARY EN 356

Burglar Resistance	NPD
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În această pagină găsiți informații referitoare la geamul termopan standard.

# Geam termopan fonic

Sticlă termopan duplex+lowe  
Sticlă tripan cu una din foi duplex.



Climaplust 6 (16 Argon 90) 44.1 Si  
COOL-LITE SKN 176 II F2

Glazing 1	PLANICLEAR 6 mm
Glazing 2	COOL-LITE SKN 176 II
Cavity 1	Argon 90% 16 mm
Glazing 3	PLANICLEAR 4 mm
PVB	PVB SILENCE 0.38 mm
Glazing 2'	PLANICLEAR 4 mm

## LUMINOUS FACTORS EN410 (2011-04)

Light Transmittance (TL)	69 %
Outdoor Reflectance (RLe)	13 %
Indoor Reflectance (RLi)	15 %

## THERMAL TRANSMISSION EN673-2011

Ug	1.0 W/(m <sup>2</sup> .K)
Angle relative to the vertical	0 °

## MANUFACTURING SIZES

Nominal Thickness	30.38 mm
Weight	35.4 kg/m <sup>2</sup>

## ACOUSTICS EN 12758

Acoustic values according to EN 12758 and from notified body

Rw (C;Ctr)	41 (-3; -7) dB
STC (ASTM E413)	N/A
OITC (ASTM E1332)	N/A

## UV FACTORS EN410 (2011-04)

TUV	1 %
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## SAFETY CLASS EN 12600

Pendulum Body Resistance	NPD/2B2
--------------------------	---------

## ENERGY FACTORS EN410 (2011-04)

Transmittance (TE)	33 %
Outdoor Reflectance (Ree)	34 %
Indoor Reflectance (Rei)	33 %
Absorptance A1 (AE1)	30 %
Absorptance A2 (AE2)	3 %

## SOLAR FACTORS EN410 (2011-04)

Solar Factor (g)	0.37
Shading Coefficient (SC)	0.42

## COLOR RENDERING

Transmission (Ra)	93
Reflection (Ra)	83

## ANTI-BURGLARY EN 356

Burglar Resistance	NPD
--------------------	-----

Acest tip de geam termopan are un coeficient acustic foarte bun: 41 decibeli

# Geam tripan standard



## LUMINOUS FACTORS EN410 (2011-04)

Light Transmittance (TL)	55 %
Outdoor Reflectance (RLe)	24 %
Indoor Reflectance (RLi)	27 %

## THERMAL TRANSMISSION EN673-2011

Ug	0.8 W/(m².K)
Angle relative to the vertical	0 °

## MANUFACTURING SIZES

Nominal Thickness	32.00 mm
Weight	30.0 kg/m²

## ACOUSTICS EN 12758

Rw (C;Ctr)	N/A
STC (ASTM E413)	N/A
OITC (ASTM E1332)	N/A

## UV FACTORS EN410 (2011-04)

TUV	18 %
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## SAFETY CLASS EN 12600

Pendulum Body Resistance	NPD
--------------------------	-----

## ENERGY FACTORS EN410 (2011-04)

Transmittance (TE)	31 %
Outdoor Reflectance (Ree)	40 %
Indoor Reflectance (Rei)	43 %
Absorptance A1 (AE1)	23 %
Absorptance A2 (AE2)	2 %
Absorptance A3 (AE3)	3 %

## SOLAR FACTORS EN410 (2011-04)

Solar Factor (g)	0.36
Shading Coefficient (SC)	0.41

## COLOR RENDERING

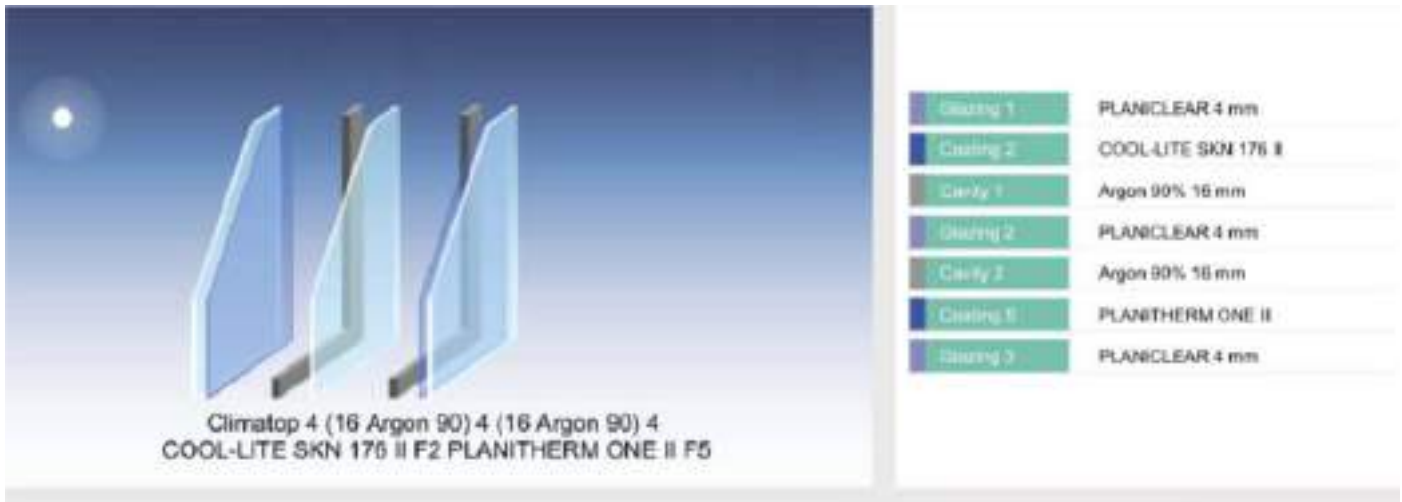
Transmission (Ra)	96
Reflection (Ra)	98

## ANTI-BURGLARY EN 356

Burglar Resistance	NPD
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Varianta de 34 mm, tripan uzual cu un coeficient termic de 0,8 Wmp/k

# Geam tripan performant



## LUMINOUS FACTORS EN410 (2011-04)

Light Transmittance (TL)	57 %
Outdoor Reflectance (RLe)	22 %
Indoor Reflectance (RLi)	27 %

## THERMAL TRANSMISSION EN673-2011

Ug	0.5 W/(m <sup>2</sup> .K)
Angle relative to the vertical	0 °

## MANUFACTURING SIZES

Nominal Thickness	44,00 mm
Weight	30.0 kg/m <sup>2</sup>

## ACOUSTICS EN 12758

Acoustic values according to EN 12758 and from notified body

Rw (C, Ctr)	32 (-1; -5) dB
STC (ASTM E413)	N/A
OITC (ASTM E1332)	N/A

## UV FACTORS EN410 (2011-04)

TUV	14 %
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## SAFETY CLASS EN 12600

Pendulum Body Resistance	NPD
--------------------------	-----

## ENERGY FACTORS EN410 (2011-04)

Transmittance (TE)	27 %
Outdoor Reflectance (Ree)	41 %
Indoor Reflectance (Rei)	48 %
Absorptance A1 (AE1)	29 %
Absorptance A2 (AE2)	1 %
Absorptance A3 (AE3)	2 %

## SOLAR FACTORS EN410 (2011-04)

Solar Factor (g)	0.30
Shading Coefficient (SC)	0.35

## COLOR RENDERING

Transmission (Ra)	93
Reflection (Ra)	84

## ANTI-BURGLARY EN 356

Burglar Resistance	NPD
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Varianta de 44 mm tripan special cu un coeficient termic de 0,5Wmp/k