



Συρόμενο Θερμομονωτικό Σύστημα
Thermal Break Sliding System

ESS 34 Hybrid

ΣΥΡΟΜΕΝΟ ΘΕΡΜΟΜΟΝΩΤΙΚΟ ΣΥΣΤΗΜΑ

THERMAL BREAK SLIDING SYSTEM

Το συρόμενο θερμομονωτικό σύστημα ESS 34 Hybrid σχεδιάστηκε με δείκτη την υψηλή ποιότητα και την ευελιξία. Προσφέρει πληθώρα κατασκευαστικών επιλογών που το εντάσσουν στα συστήματα που αντεπεξέρχονται στις περισσότερες απαιτήσεις.

Διαθέτει οδηγούς για όλες τις πιθανές τυπολογίες συρόμενου σε 42 και 32mm ύψος, όπως επίσης και προφίλ γάντζου με εμφανή επιφάνεια μόλις 25mm, χαρακτηριστικό που προσδίδει λιτό, minimal σχεδιασμό, ανεμπόδιστη θέα και μοναδικότητα.

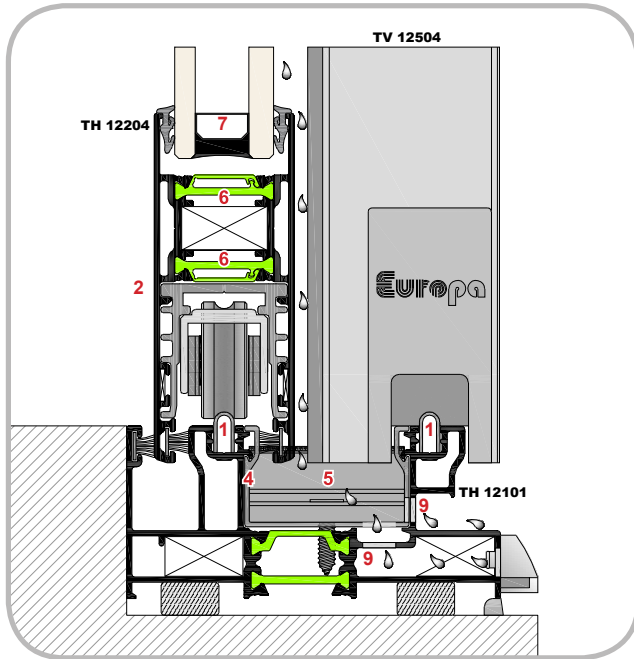
Παράλληλα, με την χρήση ειδικά σχεδιασμένων προφίλ δίνεται η δυνατότητα κατασκευής κουφωμάτων με μεγάλες διαστάσεις που μπορούν να αγγίξουν τα 2,6m ύψους και τα 10m² επιφάνεια υαλοπίνακα.

ESS 34 Hybrid is the new thermal break sliding system designed specifically to combine high quality and flexibility. The system offers wide range of construction choices.

ESS 34 Hybrid can cover all the possible typologies of sliding systems with a bottom rail of 42mm and 32mm height. The special hook with visible profile at 25mm is a characteristic that provide minimal design, unhindered view and uniqueness.

Together with the use of specially designed profiles the system provides the fabricator/constructor with ability to cover extended dimensions of openings with height up to 2,6m and 10m² glazing surface.





ΒΑΣΙΚΑ ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ ΣΥΣΤΗΜΑΤΟΣ

1. Χρήση ανοξείδωτου ελάσματος ή προφίλ αλουμινίου στους οδηγούς για ομαλή κύλιση.
2. Σχεδιασμός των προφίλ με ίσιες γραμμές.
3. Δυνατότητα τοποθέτησης μηχανισμού πολλαπλού κλειδώματος για μέγιστη ασφάλεια.
4. Πλαστικό (PVC) κάλυψης οδηγών για την μόνωση και προστασία τους από το νερό.
5. Ελαστικός (EPDM) ή αφρώδης τάκος στεγανοποίησης των οδηγών σε επάλληλα και χωνευτά.
6. Δυνατότητα χρήσης πολυαμιδίων "anti-bi-metal" στα προφίλ του συστήματος για εξάλειψη της στρέβλωσης από συστολές και διαστολές.
7. Δυνατότητα τοποθέτησης διπλού υαλοπίνακα έως 24mm για υψηλά επίπεδα θερμομόνωσης και ηχομόνωσης.
8. Τρεις επιλογές φύλλου τζαμιού στη πλευρά του κλειδώματος: απλό, με λαβή για μεγαλύτερη αντοχή στις καταπονήσεις ή με πηχάκι.
9. Δύο επίπεδα διοχέτευσης των υδάτων (πρός την εξωτερική πλευρά του κουφώματος), για καλύτερη αποστράγγιση του οδηγού.
10. Δυνατότητα συνδυασμού με την Ευρορα EOS 60 για σύνθετες κατασκευές.

ΤΥΠΟΛΟΓΙΕΣ ΚΑΤΑΣΚΕΥΩΝ

- Επάλληλα.
- Χωνευτά.
- Μονόφυλλο-Δίφυλλο με εξωτερικό σταθερό.
- Σύνθετες κατασκευές.
- Fix & Slide

ΤΕΧΝΙΚΑ ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ

Κράμα αλουμινίου:	EN AW 6060 T6	Aluminium Alloy
Σκληρότητα:	12 Webster	Hardness
Ελάχιστο πάχος βαφής:	75μm	Minimum coating thickness
Πάχος των προφίλ:	1,3-1,4mm	Profile thickness
Ανοχές διαστάσεων σύμφωνα με:	EN 12020-02	Tolerance according to
Πλάτος οδηγού επάλληλου:	91mm (δύο φύλλα)	Width of successive rail
Πλάτος οδηγού χωνευτού:	95mm(τζάμι-σάτα-πατζούρι)	Width of in-wall rail
Πάχος φύλλου τζαμιού:	34mm	Width of glass sash
Πάχος υάλωσης φύλλου τζαμιού:	έως 24mm	Glazing thickness
Πλάτος πολυαμιδίων:	20-24mm	Polyamide width
Συντελεστής Θερμοπερατότητας πλαισίου:	Uf από 3,10 έως 3,70 W/(m²K)	Factor of thermal conductivity for frame
Μέγιστη διάσταση φύλλου (ΠxΥ):	2,3m x 2,5m	Maximum sash dimensions
Μέγιστο βάρος φύλλου:	200Kg	Maximum sash weight

BASIC CHARACTERISTICS

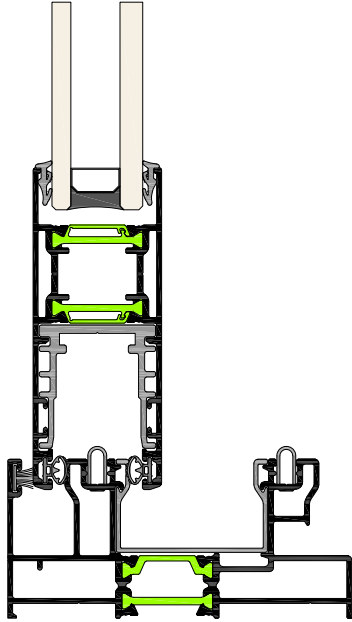
1. Stainless steel lamina or aluminium profile on rails profile for smooth sliding.
2. Straight line design.
3. Also available with multilocking mechanism for superior safety.
4. Rail's plastic cover for insulation and water protection.
5. Elastic (EPDM) or foam block sealing plug for successive and in-wall rails.
6. Option for use of "anti-bi-metal" polyamide on system profiles in order to eliminate distortion shrinkage and expansions.
7. Up to 24mm double glass for better thermal and sound insulation.
8. Three options for locking sash: simple, with handle shape for greater durability to stresses or with clip.
9. Two levels of water channelling (to the outer side of the frame), for better drainage of the rail.
10. Can be combined with Europa EOS 60 for composite structures.

CONSTRUCTION TYPES

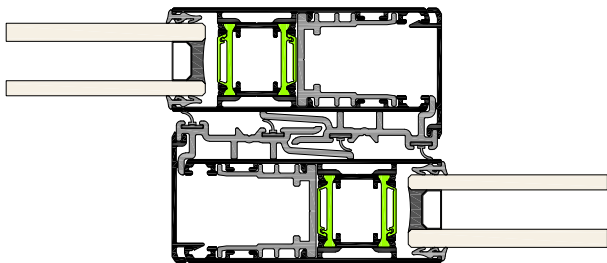
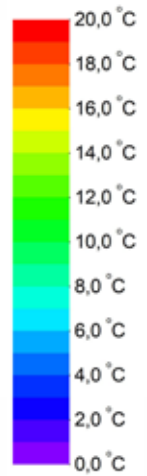
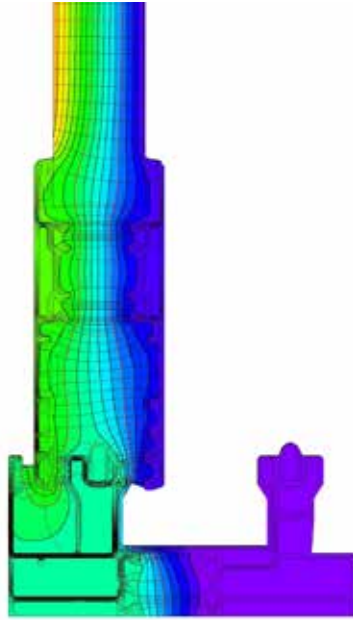
- Successive.
 - In wall.
- Single-Double sash with external fixed window.
 - Composite structures.
 - Fix & Slide

TECHNICAL CHARACTERISTICS

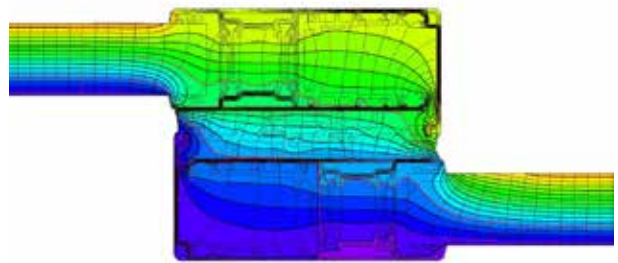
Μετρήσεις Συντελεστή Θερμοπερατότητας Συστήματος
System's Thermal Conductivity Calculations



Uf : 3,70 W/m² K



Uf : 3,10 W/m² K





1.1 Προφίλ
Profiles

1.2 Τομές
Sections

1.3 Κατεργασίες
Machining

1.4 Μέτρα Κοπής
Cutting Instructions

1.5 Εξαρτήματα
Accessories

1.6 Υπολογισμοί Αντοχής
Static Diagrams

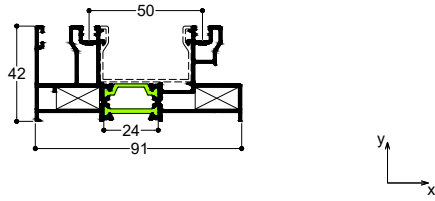
1.7 Πιστοποιητικά
Certificates

1.1a

Συνοπτικός Πίνακας Προφίλ
General Profiles Table

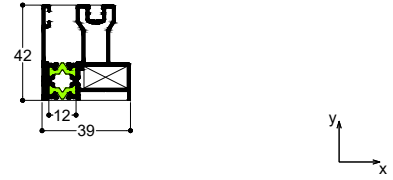
TH 12101 Μήκος - Length 6,0 m Θεωρ. Βάρος - Theor.Weight 1.632 gr/m

Διπλός Οδηγός Επαλληλίου
Double Successive Rail $I_x=9.02 \text{ cm}^4$ $I_{y(s)}=47.17 \text{ cm}^4$



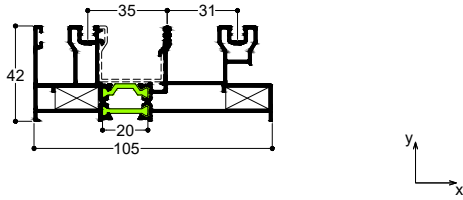
TH 12102 Μήκος - Length 6,0 m Θεωρ. Βάρος - Theor.Weight 1.041 gr/m

Μονός Οδηγός
Single Rail $I_x=5.96 \text{ cm}^4$ $I_{y(s)}=5.23 \text{ cm}^4$



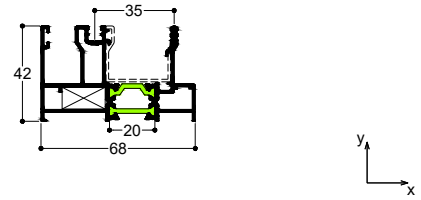
TH 12103 Μήκος - Length 6,0 m Θεωρ. Βάρος - Theor.Weight 1.896 gr/m

Τριπλός Οδηγός (Τζάμι-Σήτα-Πατζούρι)
Triple Rail (Glass-Insect Screen-Shutter) $I_x=12.13 \text{ cm}^4$ $I_{y(s)}=73.30 \text{ cm}^4$



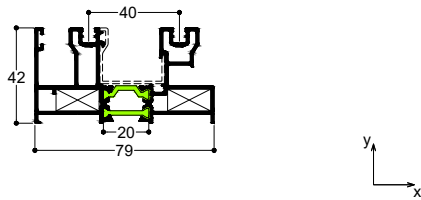
TH 12104 Μήκος - Length 6,0 m Θεωρ. Βάρος - Theor.Weight 1.339 gr/m

Διπλός Οδηγός (Τζάμι-Σήτα)
Double Rail (Glass-Insect Screen) $I_x=7.42 \text{ cm}^4$ $I_{y(s)}=21.76 \text{ cm}^4$



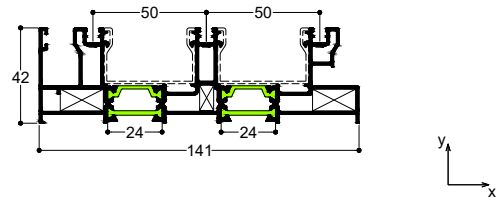
TH 12105 Μήκος - Length 6,0 m Θεωρ. Βάρος - Theor.Weight 1.563 gr/m

Διπλός Οδηγός (Τζάμι-Πατζούρι)
Double Rail (Glass-Shutter) $I_x=9.14 \text{ cm}^4$ $I_{y(s)}=33.09 \text{ cm}^4$



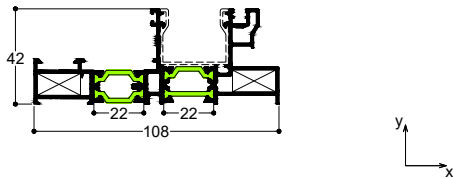
TH 12106 Μήκος - Length 6,0 m Θεωρ. Βάρος - Theor.Weight 2.475 gr/m

Τριπλός Οδηγός (Επάλληλο)
Triple Rail (Successive) $I_x=12.90 \text{ cm}^4$ $I_{y(s)}=158.75 \text{ cm}^4$



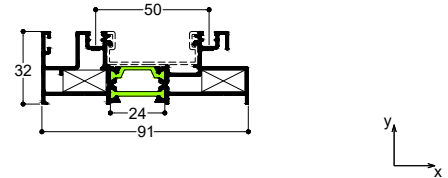
TH 12109 Μήκος - Length 6,0 m Θεωρ. Βάρος - Theor.Weight 1.829 gr/m

Οδηγός Fix & Slide
Fix & Slide Rail $I_x=7.76 \text{ cm}^4$ $I_{y(s)}=57.66 \text{ cm}^4$



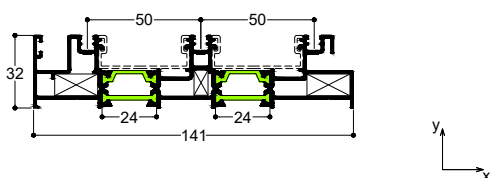
TH 12113 Μήκος - Length 6,0 m Θεωρ. Βάρος - Theor.Weight 1.394 gr/m

Διπλός Οδηγός 32mm (Επάλληλο)
Double Rail 32mm (Successive) $I_x=4.12 \text{ cm}^4$ $I_{y(s)}=39.47 \text{ cm}^4$



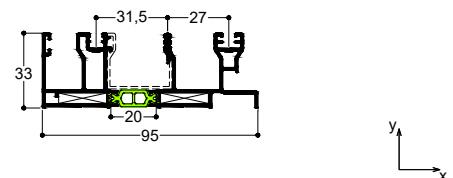
TH 12114 Μήκος - Length 6,0 m Θεωρ. Βάρος - Theor.Weight 2.162 gr/m

Τριπλός Οδηγός 32mm (Επάλληλο)
Triple Rail 32mm (Successive) $I_x=5.92 \text{ cm}^4$ $I_{y(s)}=132.86 \text{ cm}^4$



TH 12116 Μήκος - Length 6,0 m Θεωρ. Βάρος - Theor.Weight 1.504 r/m

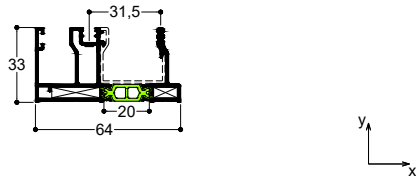
Οδηγός Χωνευτών 33mm (Τζάμι-Σήτα-Πατζούρι)
Triple Rail 33mm (Glass-Insect Screen-Shutter) $I_x=6.01 \text{ cm}^4$ $I_{y(s)}=45.34 \text{ cm}^4$



TH 12117	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 1.089 gr/m
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Οδηγός Χωνευτών 33mm (Τζάμι-Σήτα)
Double Rail 33mm (Glass-Insect Screen)

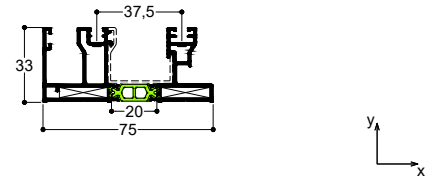
$$I_x=4.31 \text{ cm}^4 \quad I_{y(s)}=15.51 \text{ cm}^4$$



TH 12118	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 1.281 gr/m
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Οδηγός Χωνευτών 33mm (Τζάμι-Πατζούρι)
Double Rail 33mm (Glass-Shutter)

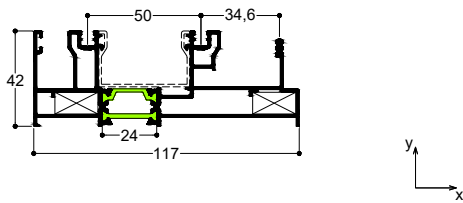
$$I_x=5.15 \text{ cm}^4 \quad I_{y(s)}=24.61 \text{ cm}^4$$



TH 12119	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 1.936 gr/m
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Τριπλός Οδηγός (Επάλληλο-Σήτα)
Triple Rail (Successive-Insect Screen)

$$I_x=10.40 \text{ cm}^4 \quad I_{y(s)}=89.6 \text{ cm}^4$$



TH 12204	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 1.346 gr/m
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Φύλλο Τζαμιού
Glass Sash

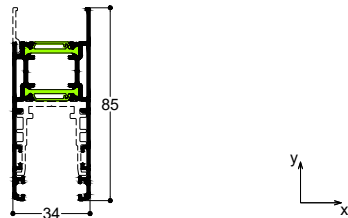
$$I_x=23.15 \text{ cm}^4 \quad I_{y(s)}=9.10 \text{ cm}^4$$



TH 12209	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 1295 gr/m
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Φύλλο Τζαμιού με Πηγάκι
Glass Sash with Clip

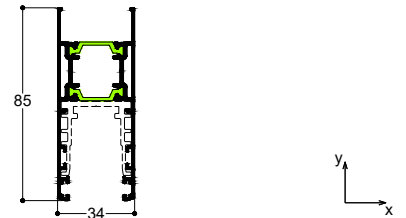
$$I_x=20.65 \text{ cm}^4 \quad I_{y(s)}=8.56 \text{ cm}^4$$



TH 12215	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 1304 gr/m
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Φύλλο Τζαμιού
Glass Sash

$$I_x=20.65 \text{ cm}^4 \quad I_{y(s)}=8.56 \text{ cm}^4$$



TH 12216	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 1253 gr/m
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Φύλλο Τζαμιού με Πηγάκι
Glass Sash with Clip

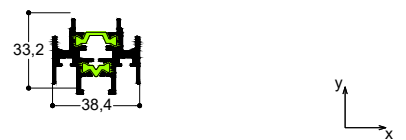
$$I_x=20.65 \text{ cm}^4 \quad I_{y(s)}=8.56 \text{ cm}^4$$



TH 12308	Μήκος - Length 4,7 m	Θεωρ. Βάρος - Theor. Weight 1.090 gr/m
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Μπινι Φύλλων Τζαμιού
Adjoining Profile for Glass Sashes

$$I_x=1.97 \text{ cm}^4 \quad I_{y(s)}=5.12 \text{ cm}^4$$



TH 12429	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 993 gr/m
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Τραβέρσα Φύλλων Τζαμιού
Transom for Glass Sashes

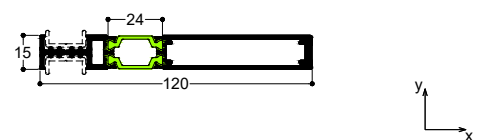
$$I_x=2.20 \text{ cm}^4 \quad I_{y(s)}=5.94 \text{ cm}^4$$



TH 57603	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 1.517 gr/m
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Συνδετικό Κασών-Ενίσχυση
Frame Connector-Reinforcement Profile

$$I_x=1.48 \text{ cm}^4 \quad I_{y(s)}=75.07 \text{ cm}^4$$



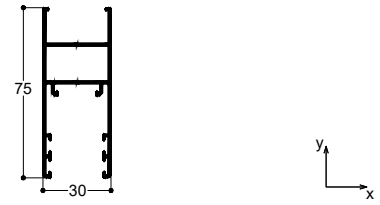
TV 00627	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 721 gr/m
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Λαβή Ενίσχυσης Reinforcement Grip	$I_x=1.89 \text{ cm}^4$ $I_y=1.73 \text{ cm}^4$
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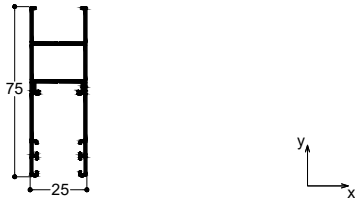
TV 12202	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 866 gr/m
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Φύλλο Πατζουριού 30mm Shutter Sash 30mm	$I_x=13.52 \text{ cm}^4$ $I_y=5.15 \text{ cm}^4$
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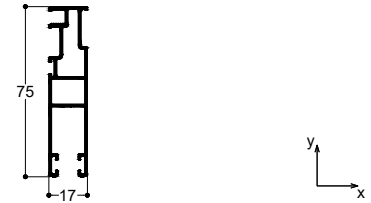
TV 12203	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 809 gr/m
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Φύλλο Πατζουριού 25mm Shutter Sash 25mm	$I_x=12.73 \text{ cm}^4$ $I_y=3.42 \text{ cm}^4$
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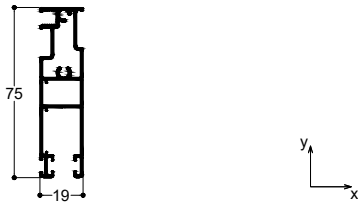
TV 12205	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 741 gr/m
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Φύλλο Σήτας Χωνευτών Insect Screen Sash for pocket doors	$I_x=14.29 \text{ cm}^4$ $I_y=1.12 \text{ cm}^4$
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TV 12206	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 846 gr/m
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Φύλλο Σήτας Insect Screen Sash	$I_x=16.64 \text{ cm}^4$ $I_y=1.51 \text{ cm}^4$
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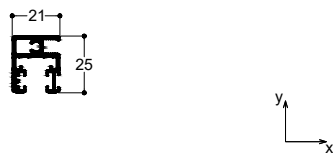
TV 12207	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 464 gr/m
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Τραβέρσα Φύλλων Σήτας Transom for Insect Screen Sash	
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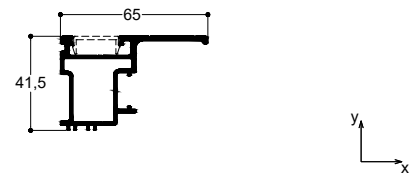
TV 12208	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 507 gr/m
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Φύλλο Σήτας 25mm Insect Screen Sash 25mm	$I_x=1.10 \text{ cm}^4$ $I_y=0.96 \text{ cm}^4$
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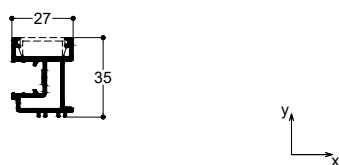
TV 12302	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 955 gr/m
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Προφίλ Κλειδαριάς για Μπινί 65mm Locking Profile for Grip 65mm	$I_x=6.88 \text{ cm}^4$ $I_y=10.47 \text{ cm}^4$
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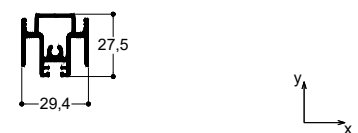
TV 12307	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 654 gr/m
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Προφίλ Αντικρίσματος για Μπινί 65mm Strike Plate Profile for Grip 65mm	$I_x=2.65 \text{ cm}^4$ $I_y=1.65 \text{ cm}^4$
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TV 12309	Μήκος - Length 4,7 m	Θεωρ. Βάρος - Theor.Weight 617 gr/m
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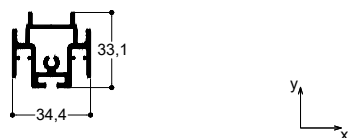
Μπινί Φύλλου Πατζουριού 25mm Adjoining Profile for Shutter 25mm	$I_x=1.33 \text{ cm}^4$ $I_y=1.89 \text{ cm}^4$
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TV 12310	Μήκος - Length 4,7 m	Θεωρ. Βάρος - Theor. Weight 765 gr/m
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Μπινί Φύλλου Πατζουριού 30mm
Adjoining Profile for Shutter 30mm

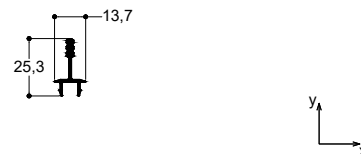
$$I_x=2.17 \text{ cm}^4 \quad I_y=3.18 \text{ cm}^4$$



TV 12311	Μήκος - Length 4,7 m	Θεωρ. Βάρος - Theor. Weight 179 gr/m
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Μπινί Φύλλου Σήτας
Adjoining Profile for Insect Screen Sash

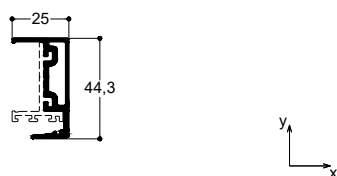
$$I_x=0.38 \text{ cm}^4 \quad I_y=0.04 \text{ cm}^4$$



TV 12401	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 641 gr/m
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Γάντζος Επαλλήλου 25mm
Interlock Profile 25mm

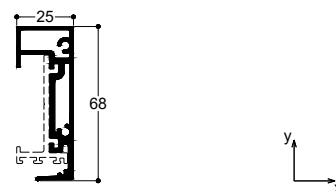
$$I_x=5.06 \text{ cm}^4 \quad I_y=0.70 \text{ cm}^4$$



TV 12402	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 1.065 gr/m
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Χώρισμα / Γάντζος Fix & Slide
Interlock Profile for Fix & Slide

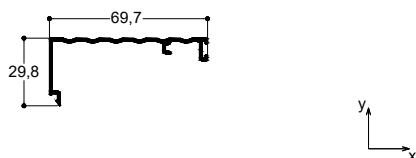
$$I_x=17.69 \text{ cm}^4 \quad I_y=1.87 \text{ cm}^4$$



TV 12501	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 454 gr/m
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Καπάκι Οδηγού Fix & Slide
Clip for Fix & Slide Rail

$$I_x=0.99 \text{ cm}^4 \quad I_y=10.40 \text{ cm}^4$$



TV 12503	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 119 gr/m
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Καπάκι
Cover

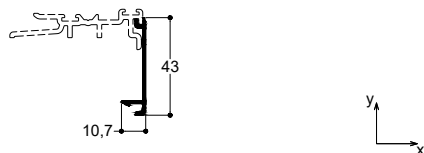
$$I_x=0.02 \text{ cm}^4 \quad I_y=0.22 \text{ cm}^4$$



TV 12504	Μήκος - Length 4,7 m	Θεωρ. Βάρος - Theor. Weight 226 gr/m
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Καπάκι Γάντζου Επαλλήλου
Interlock profile

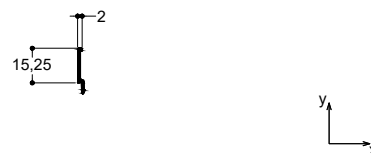
$$I_x=1.56 \text{ cm}^4 \quad I_y=0.04 \text{ cm}^4$$



TV 12505	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 77 gr/m
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Πηγάκι Τζαμιού
Clip for Glass Sash

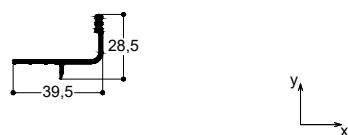
$$I_x=0.097 \text{ cm}^4 \quad I_y=0.002 \text{ cm}^4$$



TV 12601	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 311 gr/m
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Πρόσθετος Οδηγός Φύλλου Σήτας
Additional Insect Screen Sash Rail

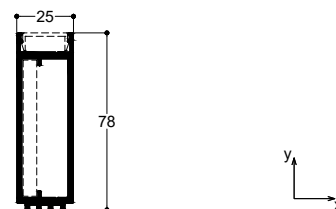
$$I_x=0.59 \text{ cm}^4 \quad I_y=1.68 \text{ cm}^4$$



TV 12603	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 1368 gr/m
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Προφίλ Ενίσχυσης
Reinforcement Profile

$$I_x=32.50 \text{ cm}^4 \quad I_y=5.00 \text{ cm}^4$$



TV 12604	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 382 gr/m
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Εξωτερικός Νεροσταλλάκτης External Cover	$I_x=1.96 \text{ cm}^4$	$I_y=0.78 \text{ cm}^4$
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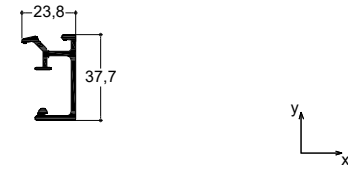
TV 12606	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 227 gr/m
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Πρόσθετο Άνω Οδηγού 32mm Additional Profile for Top Rail 32mm	$I_x=0.21 \text{ cm}^4$	$I_y=0.28 \text{ cm}^4$
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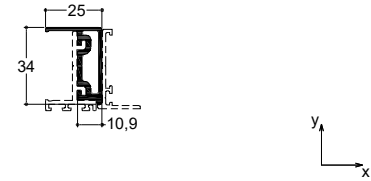
TV 12608	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 543 gr/m
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Οδηγός Κρυφής Σήτας Hidden Insect Screen Rail	$I_x=3.48 \text{ cm}^4$	$I_y=0.92 \text{ cm}^4$
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TV 12609	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 508 gr/m
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Φύλλο Φιλητού 25mm Sash for Adjoining Profiles 25mm	$I_x=2.35 \text{ cm}^4$	$I_y=0.57 \text{ cm}^4$
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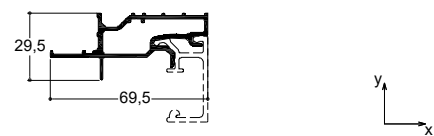
TV 12610	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 236 gr/m
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Προφίλ Μπινί 65mm Adjoining Profile	$I_x=1.23 \text{ cm}^4$	$I_y=0.15 \text{ cm}^4$
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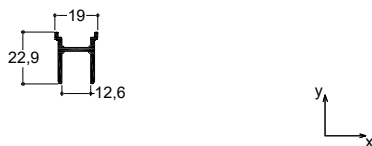
TV 12611	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 815 gr/m
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Κάσα για Κρυφή Σήτα Frame for Hidden Insect Screen	$I_x=7.39 \text{ cm}^4$	$I_y=10.10 \text{ cm}^4$
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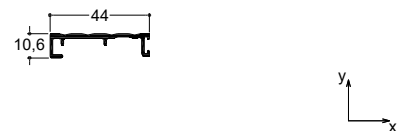
TV 12616	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 276 gr/m
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Προσθήκη για Κλειδαριά IN LINE Addition Profile for IN LINE Locking Mechanism	$I_x=0.37 \text{ cm}^4$	$I_y=0.47 \text{ cm}^4$
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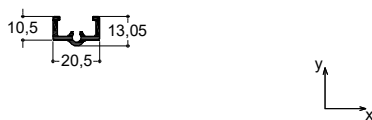
TV 12619	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 312 gr/m
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Καπάκι οδηγού για Σταθερό Φύλλο Clip Profile for Fixed Glass Sash	$I_x=0.10 \text{ cm}^4$	$I_y=2.59 \text{ cm}^4$
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TV 12702	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor.Weight 227 gr/m
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Σύνδεσμος Φύλλου - Γάντζου 25mm Connector for Sash - interlock 25mm	$I_x=0.10 \text{ cm}^4$	$I_y=0.43 \text{ cm}^4$
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TV 212	Μήκος - Length 4,7 m	Θεωρ. Βάρος - Theor.Weight 125 gr/m
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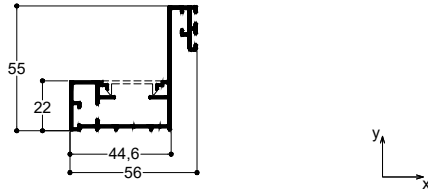
Καπάκι για TV 2204 Cover Cap for TV 2204		
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TV 2204	Μήκος - Length 4,7 m	Θεωρ. Βάρος - Theor. Weight 810 gr/m
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Αρμολάυπτρο
Architrave Profile

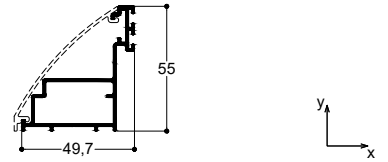
$$I_x=9.54 \text{ cm}^4 \quad I_y=10.71 \text{ cm}^4$$



TV 2536	Μήκος - Length 4,7 m	Θεωρ. Βάρος - Theor. Weight 674 gr/m
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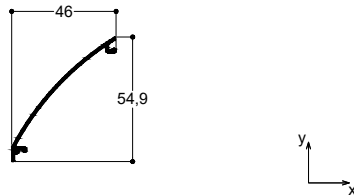
Αρμολάυπτρο
Architrave Profile

$$I_x=7.39 \text{ cm}^4 \quad I_y=6.07 \text{ cm}^4$$



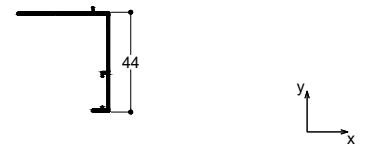
TV 2537	Μήκος - Length 4,7 m	Θεωρ. Βάρος - Theor. Weight 313 gr/m
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Καπάκι για TV 2536
Cover Cap for TV 2536



TV 57627	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 336 gr/m
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Αρμολάυπτρο
Architrave profile



TV 00626	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 117 gr/m
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Συνδετικό Κασών
Frame Connector



TV 8500	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 266 gr/m
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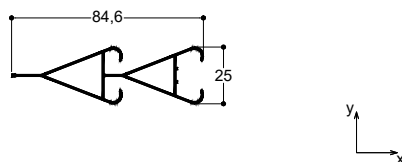
Πηγάκι Κάσας TH 12109
Clip for TH 12109 Rail



PER 250	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 547 gr/m
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Φυλλαράκι Πατζουριού (Κρινάκι)
Fixed Louver Profile

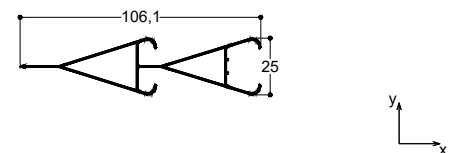
$$7.6 \text{ Kgr/m}^2 \quad 14 \text{ τεμ./m}$$



PER 260	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 620 gr/m
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Φυλλαράκι Πατζουριού (Κρινάκι)
Fixed Louver Profile

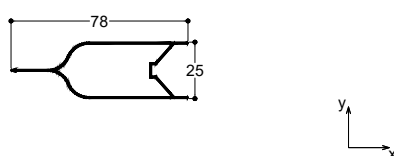
$$6.8 \text{ Kgr/m}^2 \quad 11 \text{ τεμ./m}$$



PER 270	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 441 gr/m
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Φυλλαράκι Πατζουριού (Τουλίπα)
Fixed Louver Profile

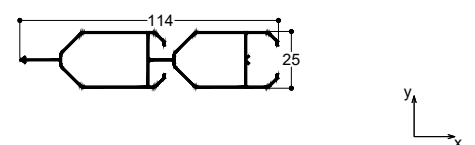
$$7.1 \text{ Kgr/m}^2 \quad 16 \text{ τεμ./m}$$



PER 300	Μήκος - Length 6,0 m	Θεωρ. Βάρος - Theor. Weight 730 gr/m
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Φυλλαράκι Πατζουριού
Fixed Louver Profile

$$7.3 \text{ Kgr/m}^2 \quad 10 \text{ τεμ./m}$$



PER 320

Μήκος - Length
6,0 m

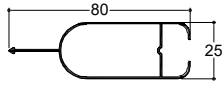
Θεωρ. Βάρος - Theor. Weight
408 gr/m

Φυλλαράκι Πατζουριού
Fixed Louver Profile

6,1 Kgr/m²

15 τεμ./m

NEW



PER 324

Μήκος - Length
6,0 m

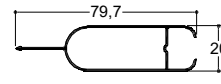
Θεωρ. Βάρος - Theor. Weight
377 gr/m

Στενή Περισίδα 20mm
Slim Louver 20mm

5,7 Kgr/m²

15 τεμ./m

NEW



Μόνο για TV 12203 / Only for TV 12203

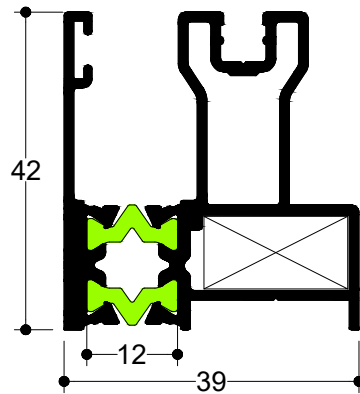
1.1b

Διατομές 1:1

Profiles 1:1

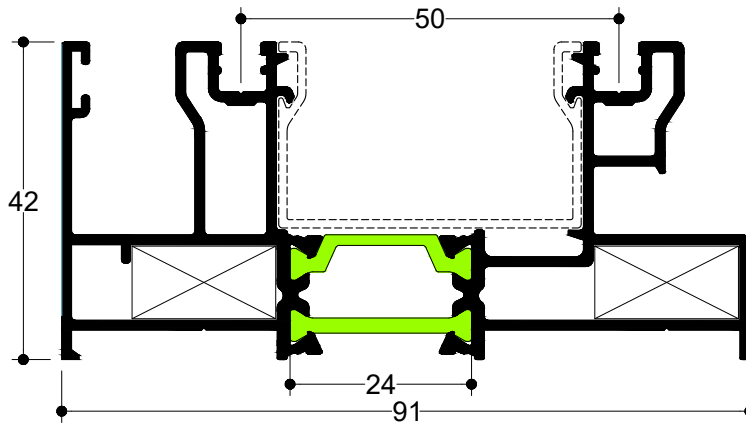
TH 12102

6,0 m | 1.041 gr/m
Μονός Οδηγός
Single Rail



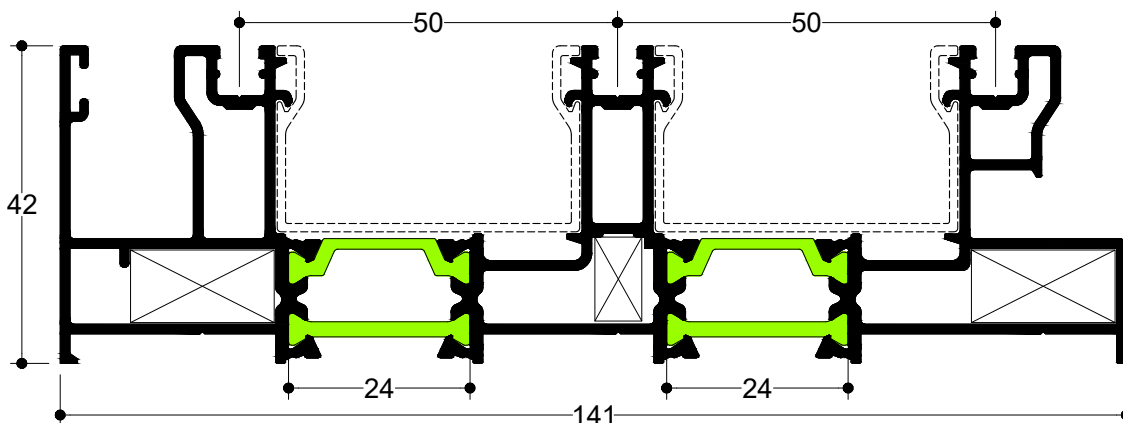
TH 12101

6,0 m | 1.632 gr/m
Διπλός Οδηγός Επαλλήλου
Double Successive Rail



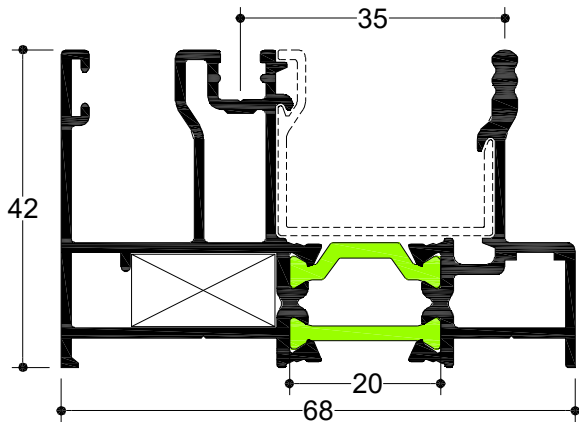
TH 12106

6,0 m | 2.475 gr/m
Τριπλός Οδηγός (Επάλληλο)
Triple Rail (Successive)



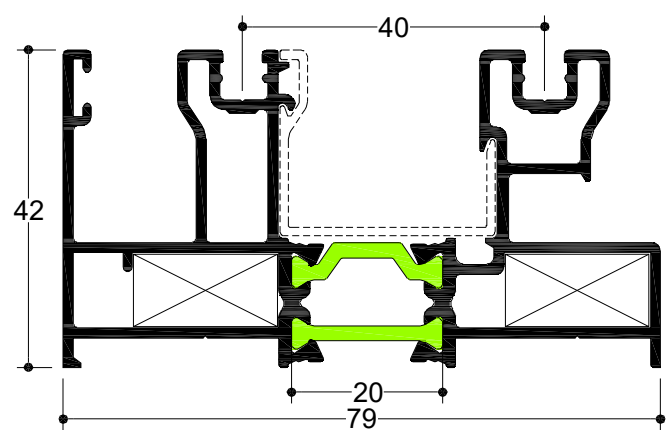
TH 12104

6,0 m | 1.339 gr/m
Διπλός Οδηγός (Τζάμι-Σήτα)
Double Rail (Glass-Insect Screen)



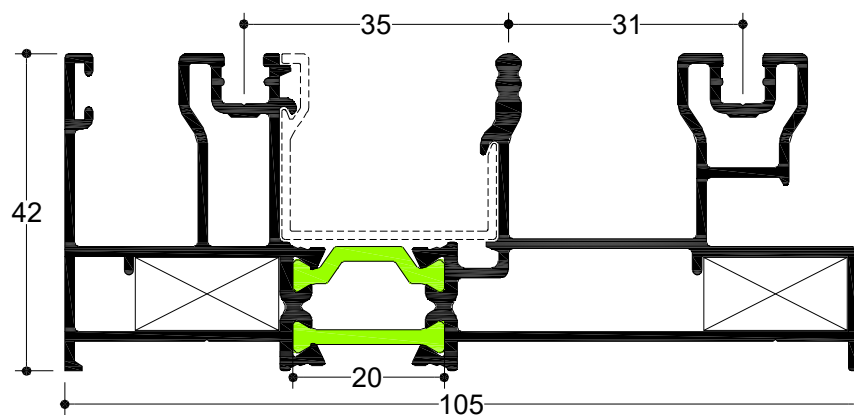
TH 12105

6,0 m | 1.563 gr/m
Διπλός Οδηγός (Τζάμι-Πατζούρι)
Double Rail (Glass-Shutter)



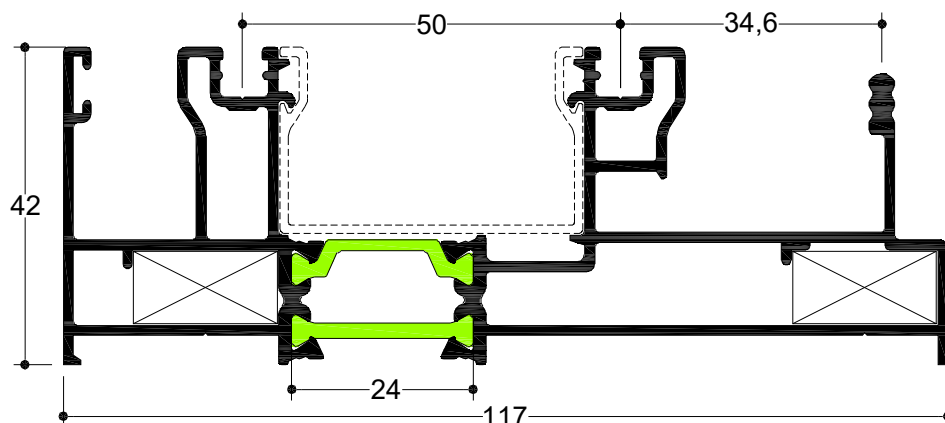
TH 12103

6,0 m | 1.893 gr/m
Τριπλός Οδηγός (Τζάμι-Σήτα-Πατζούρι)
Triple Rail (Glass-Insect Screen-Shutter)



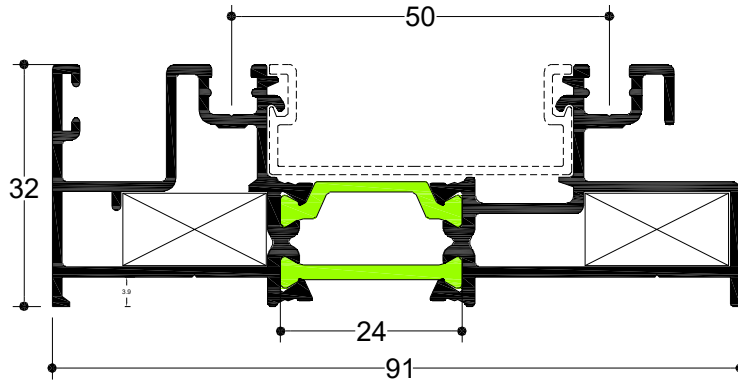
TH 12119

6,0 m | 1.936 gr/m
Τριπλός Οδηγός (Επάλληλο-Σήτα)
Triple Rail (Successive-Insect Screen)



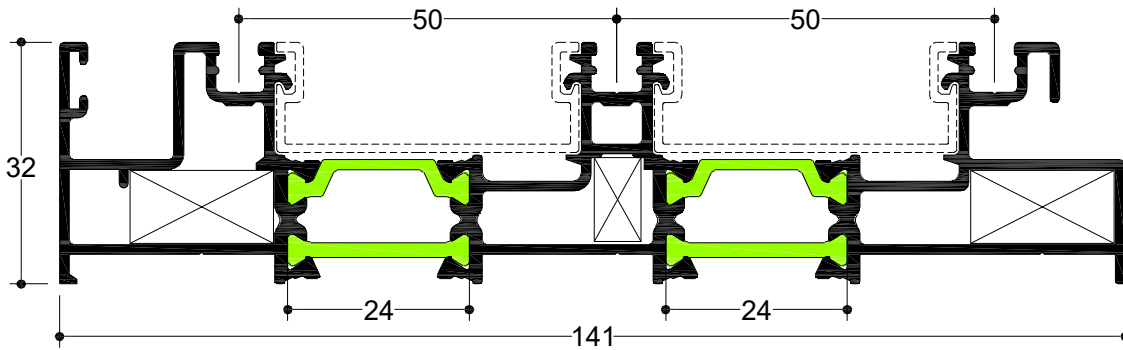
TH 12113

6,0 m | 1.392 gr/m
 Διπλός Οδηγός 32mm (Επάλληλο)
 Double Rail 32mm (Successive)



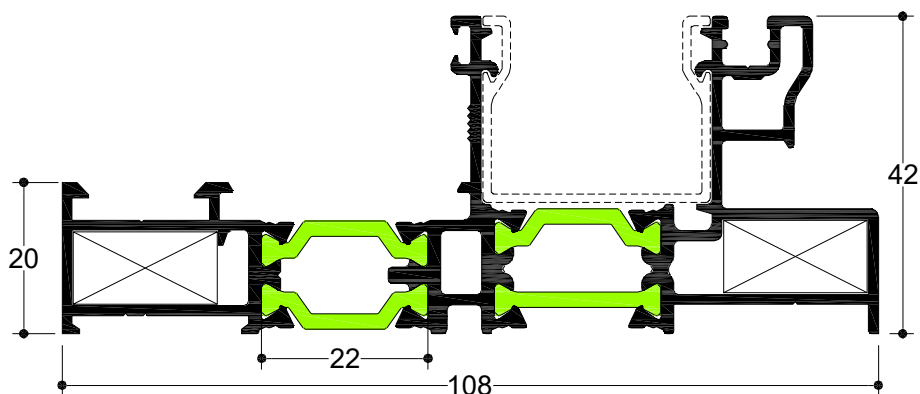
TH 12114

6,0 m | 2.160 gr/m
 Τριπλός Οδηγός 32mm (Επάλληλο)
 Triple Rail 32mm (Successive)



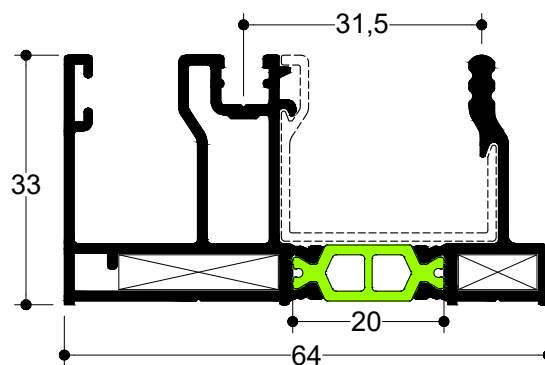
TH 12109

6,0 m | 1.829 gr/m
 Οδηγός Fix & Slide
 Fix & Slide Rail



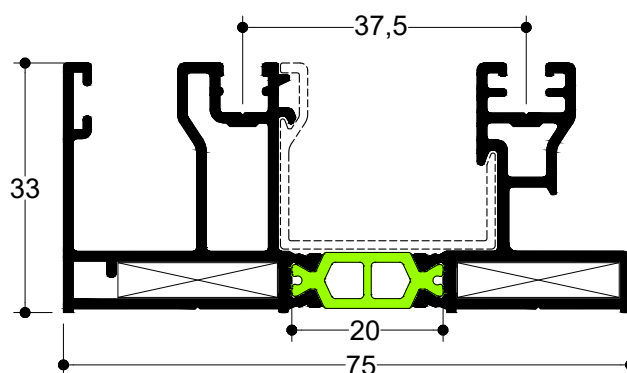
TH 12117

6,0 m | 1.089 gr/m
Οδηγός Χωνευτών 33mm (Τζάμι-Σήτα)
Double Rail 33mm (Glass-Insect Screen)



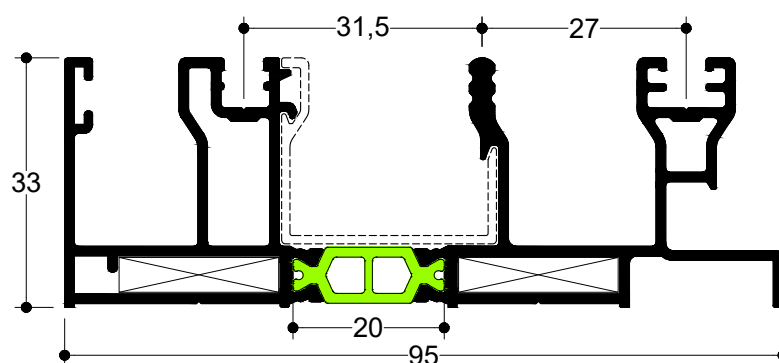
TH 12118

6,0 m | 1.281 gr/m
Οδηγός Χωνευτών 33mm (Τζάμι-Πατζούρι)
Double Rail 33mm (Glass-Shutter)



TH 12116

6,0 m | 1.504 gr/m
Οδηγός Χωνευτών 33mm (Τζάμι-Σήτα-Πατζούρι)
Triple Rail 33mm (Glass-Insect Screen-Shutter)



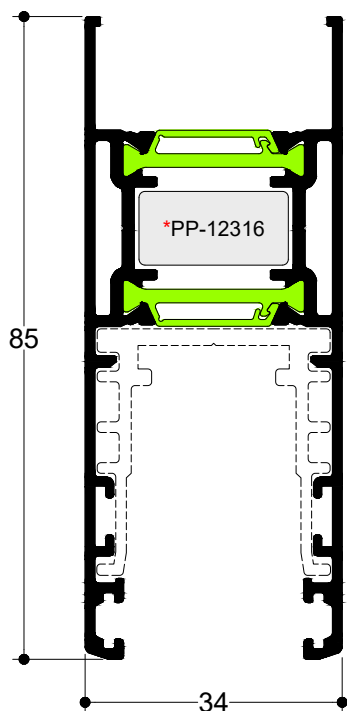
TH 12204

6,0 m 1.346 gr/m

Φύλλο Τζαμιού

Glass Sash

Προτείνεται για μείωση του βέλους κάμψης λόγω ηλιακής ακτινοβολίας / Suggested to reduce bending due to solar radiation



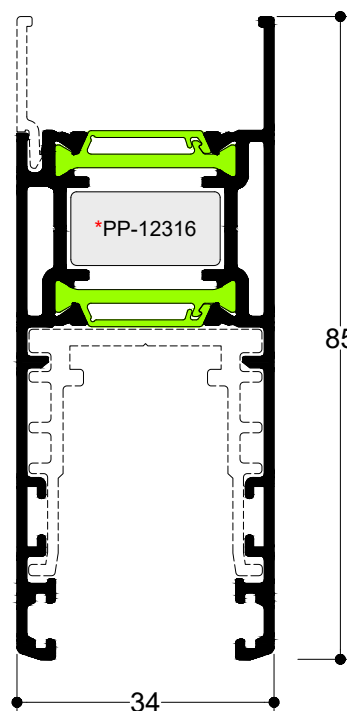
TH 12209

6,0 m 1.295 gr/m

Φύλλο Τζαμιού με Πηγάκι

Glass Sash with Clip

Προτείνεται για μείωση του βέλους κάμψης λόγω ηλιακής ακτινοβολίας / Suggested to reduce bending due to solar radiation

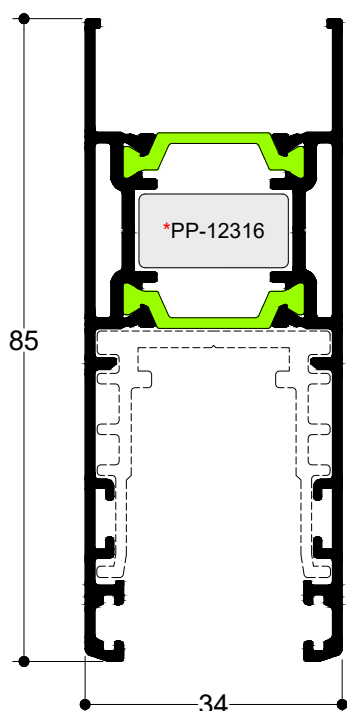


TH 12215

6,0 m 1.304 gr/m

Φύλλο Τζαμιού

Glass Sash

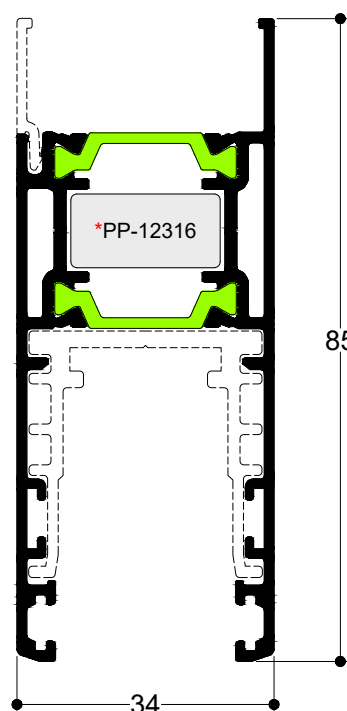


TH 12216

6,0 m 1.253 gr/m

Φύλλο Τζαμιού με Πηγάκι

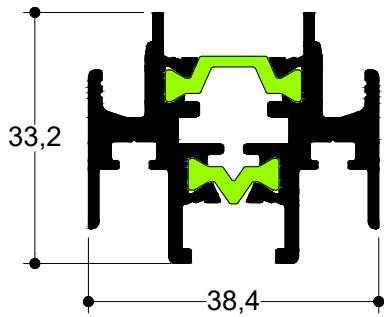
Glass Sash with Clip



* Η χρήση του εξαρτήματος PP-12316 στο φύλλο τζαμιού είναι απαραίτητη για την ορθή στήριξη των συνεργαζόμενων εξαρτημάτων.
 * The use of PP-12316 in the glass sash is necessary in order to support properly the cooperating accessories.

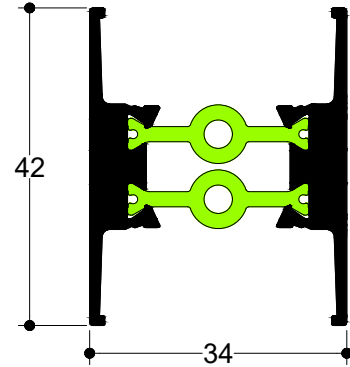
TH 12308

4,7 m 1.090 gr/m
Μπινί Φύλλων Τζαμιού
Adjoining Profile for Glass Sashes



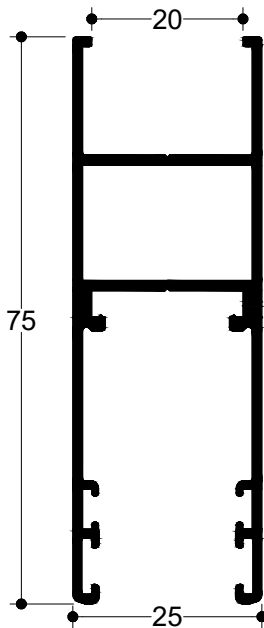
TH 12429

6,0 m 995 gr/m
Τραβέρσα φύλλων τζαμιού
Transom for glass sashes



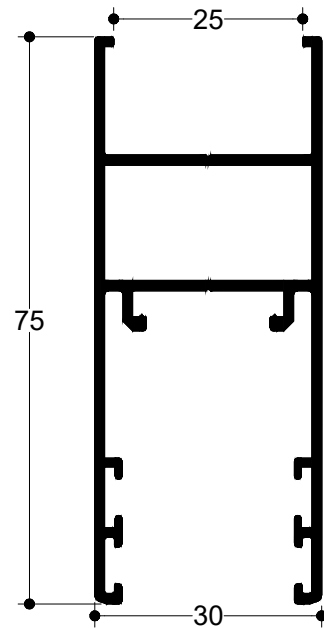
TV 12203

6,0 m 809 gr/m
Φύλλο Πατζουριού 25mm
Shutter Sash 25mm



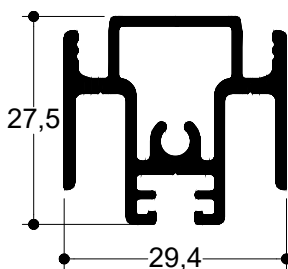
TV 12202

6,0 m 866 gr/m
Φύλλο Πατζουριού 30mm
Shutter Sash 30mm



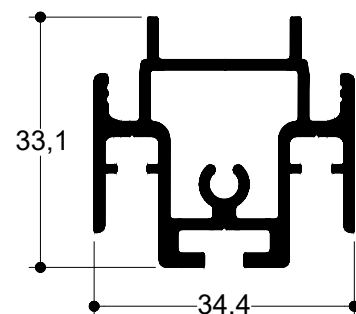
TV 12309

4,7 m 617 gr/m
Μπινί Φύλλου Πατζουριού 25mm
Adjoining Profile for Shutter 25mm



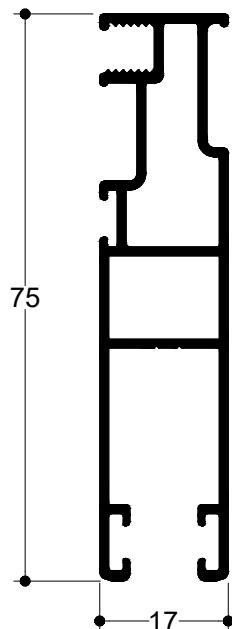
TV 12310

4,7 m 765 gr/m
Μπινί Φύλλου Πατζουριού 30mm
Adjoining Profile for Shutter 30mm



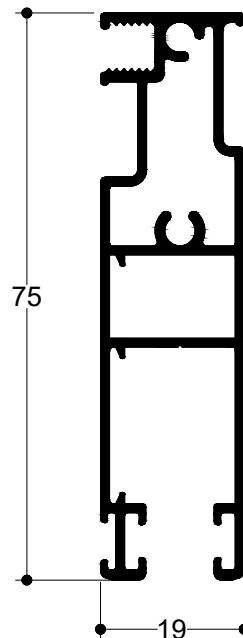
TV 12205

6,0 m | 741 gr/m
 Φύλλο Σήτας Χωνευτών
 Insect Screen Sash for
 pocket doors



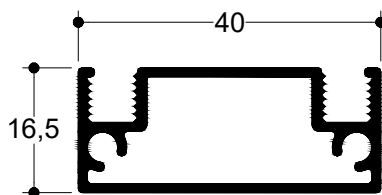
TV 12206

6,0 m | 846 gr/m
 Φύλλο Σήτας
 Insect Screen Sash



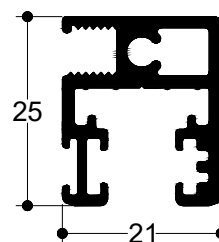
TV 12207

6,0 m | 464 gr/m
 Τραβέρσα Φύλλων Σήτας
 Transom for Insect Screen Sash



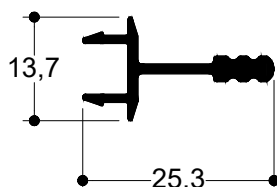
TV 12208

6,0 m | 507 gr/m
 Φύλλο Σήτας 25mm
 Insect Screen Sash 25mm



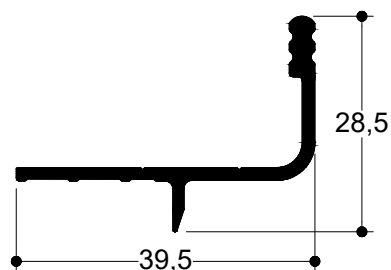
TV 12311

4,7 m | 179 gr/m
 Μπινί Φύλλου Σήτας
 Adjoining Profile for
 Insect Screen Sash



TV 12601

6,0 m | 311 gr/m
 Πρόσθετος Οδηγός Φύλλου Σήτας
 Additional Insect Screen Sash Rail

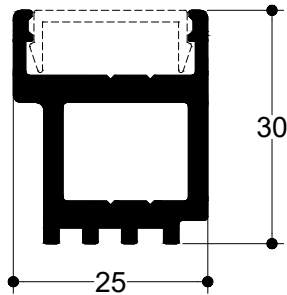


TV 00627

6,0 m | 721 gr/m

Λαβή Ενίσχυσης

Reinforcement Grip

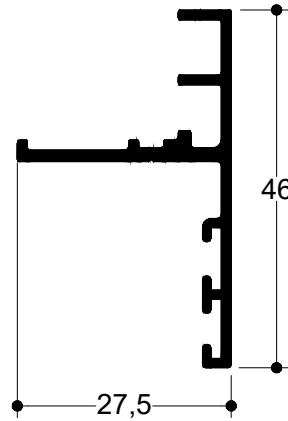


TV 12604

6,0 m | 382 gr/m

Εξωτερικός Νεροσταλλάκτης

External Cover

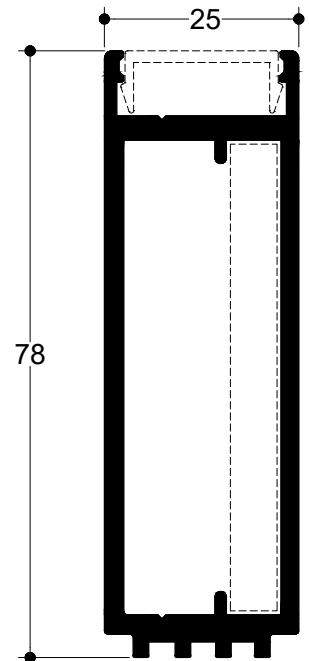


TV 12603

6,0 m | 1368gr/m

Προφίλ Ενίσχυσης

Reinforcement Profile

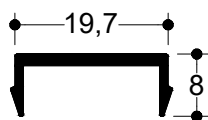


TV 12503

6,0 m | 119 gr/m

Καπάκι

Cover

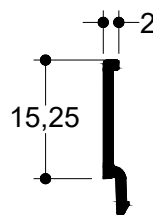


TV 12505

6,0 m | 77 gr/m

Πηχάκι Τζαμιού

Clip for Glass Sash

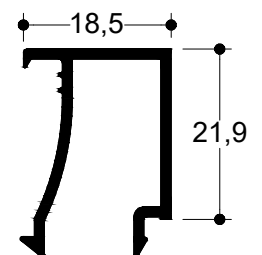


TV 8500

6,0 m | 266 gr/m

Πηχάκι Κάσας TH 12109

Clip for TH 12109 Rail



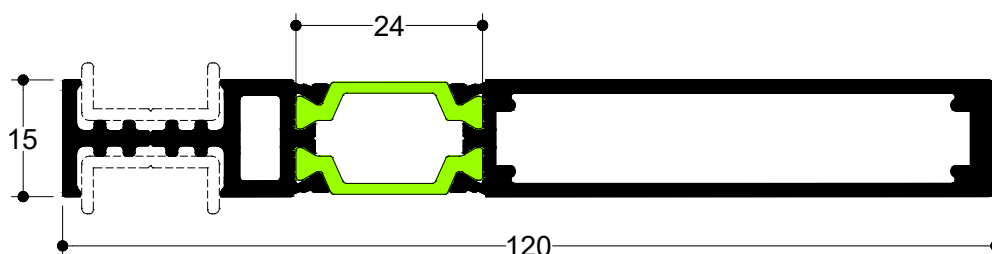
TH 57603

6,0 m | 1.517 gr/m

Συνδετικό Κασών - Ενίσχυση

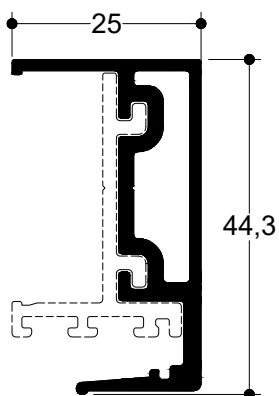
Frame Connector -

Reinforcement profile



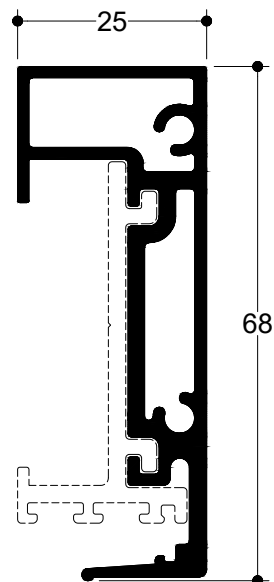
TV 12401

6,0 m | 641 gr/m
Γάντζος Επαλλήλου 25mm
Interlock Profile 25mm



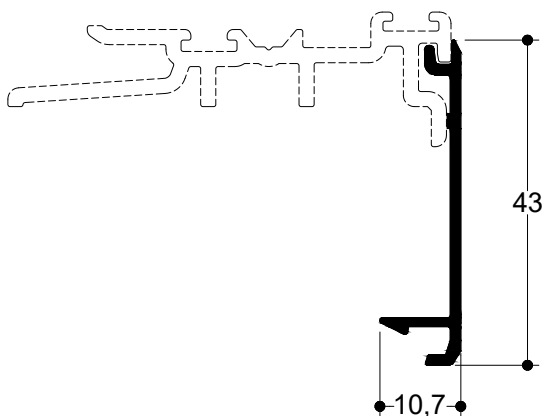
TV 12402

6,0 m | 1.065 gr/m
Χώρισμα / Γάντζος Fix & Slide
Interlock profile for Fix & Slide



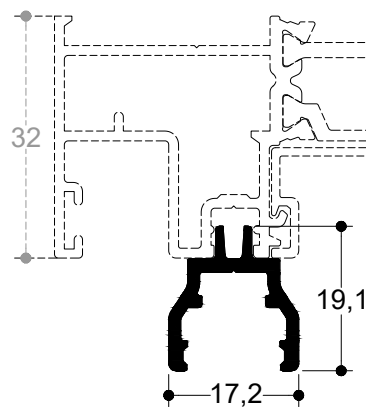
TV 12504

4,7 m | 224 gr/m
Καπάκι Γάντζου Επαλλήλου
Interlock Profile



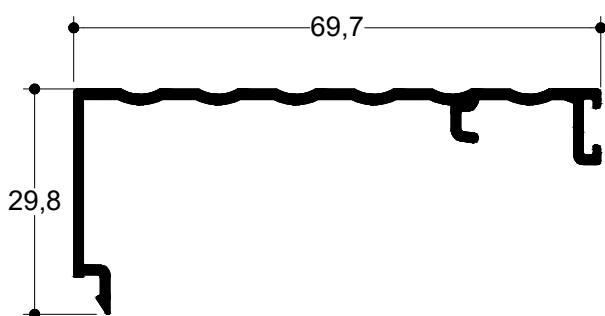
TV 12606

6,0 m | 227 gr/m
Πρόσθετο Άνω Οδηγού 32mm
Additional Profile for Top Rail 32mm



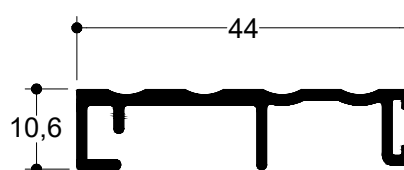
TV 12501

6,0 m | 454 gr/m
Καπάκι Οδηγού Fix & Slide
Clip for Fix & Slide Rail



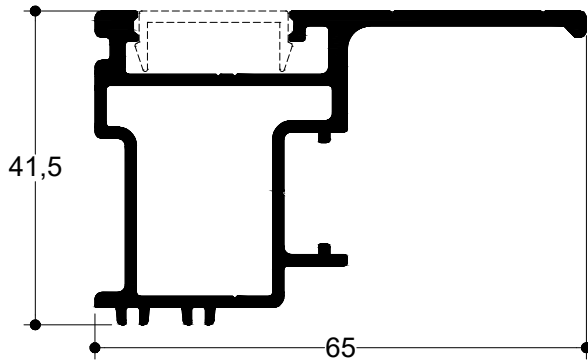
TV 12619

6,0 m | 312 gr/m
Καπάκι οδηγού για Σταθερό Φύλλο
Clip Profile for Fixed Glass Sash



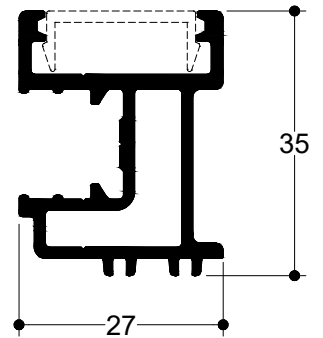
TV 12302

6,0 m 955 gr/m
Προφίλ Κλειδαριάς για Μπινί 65mm
Locking Profile for Grip 65mm



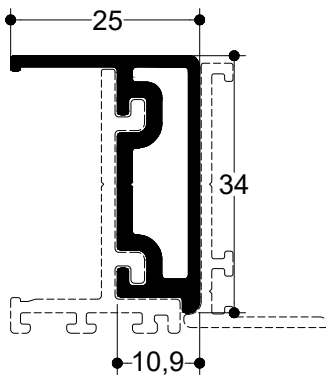
TV 12307

6,0 m 654 gr/m
Προφίλ Αντικρίσματος για Μπινί 65mm
Strike Plate Profile for Grip 65mm



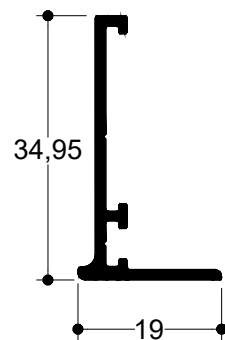
TV 12609

6,0 m 508 gr/m
Φύλλο Φιλητού 25mm
Sash for Adjoining Profiles 25mm



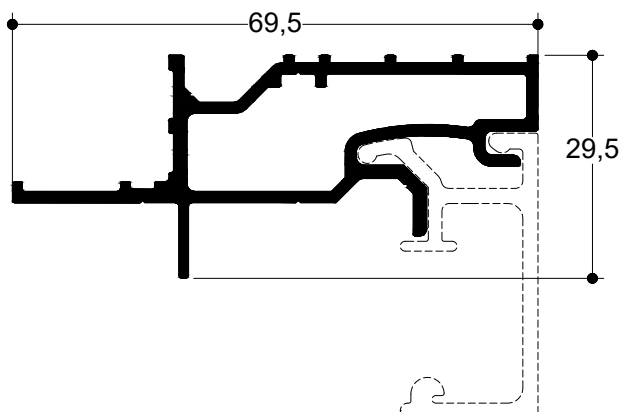
TV 12610

6,0 m 236 gr/m
Προφίλ Μπινί 65mm
Adjoining Profile



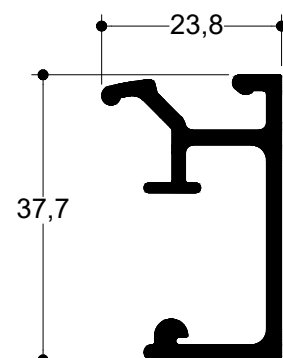
TV 12611

6,0 m 815 gr/m
Κάσα για Κρυφή Σήτα
Frame for Hidden Insect Screen



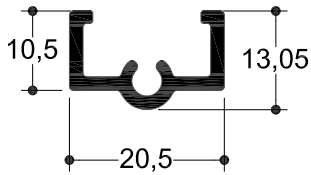
TV 12608

6,0 m 543 gr/m
Οδηγός Κρυφής Σήτας
Hidden Insect Screen Rail



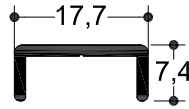
TV 12702

6,0 m | 227 gr/m
Σύνδεσμος Φύλλου-Γάντζου 25mm
Connector for Sash-Intelock 25mm



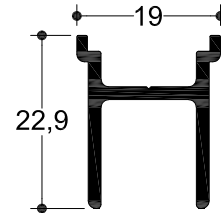
TV 00626

6,0 m | 117 gr/m
Συνδετικό Κασών
Frame Connector



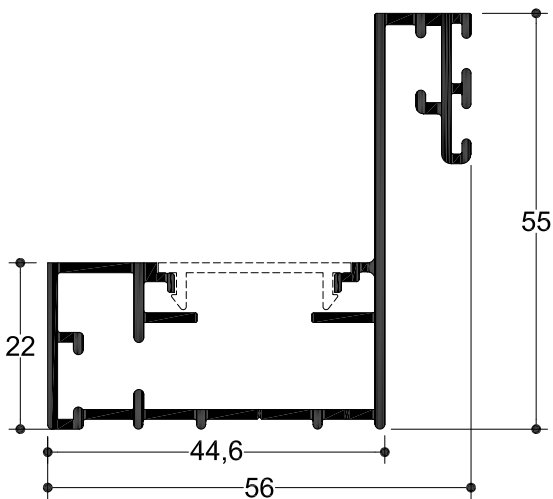
TV 12616

6,0 m | 276 gr/m
Προσθήκη για Κλειδαριά
IN LINE
Addition Profile for IN LINE
Locking Mechanism



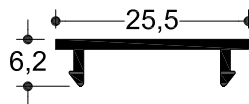
TV 2204

4,7 m | 810 gr/m
Αρμολάκι
Architrave Profile



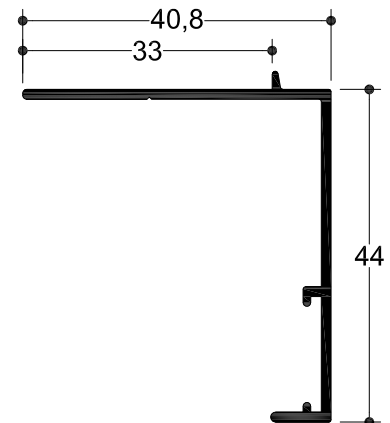
TV 212

4,7 m | 125 gr/m
Καπάκι για
TV 2204
Cover Cap for
TV 2204



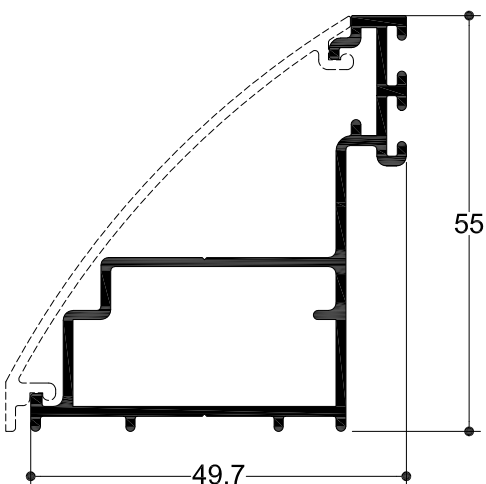
TV 57627

6,0 m | 336 gr/m
Αρμολάκι
Architrave profile



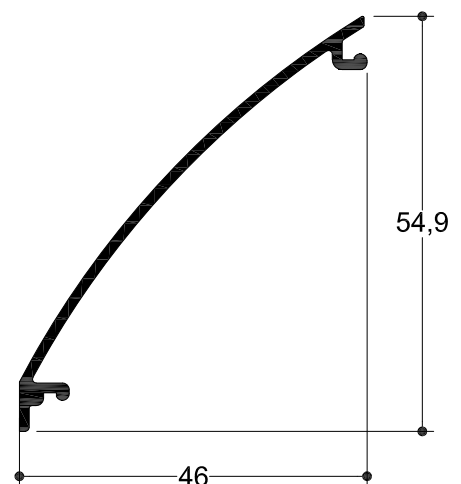
TV 2536

4,7 m | 674 gr/m
Αρμολάκι
Architrave profile



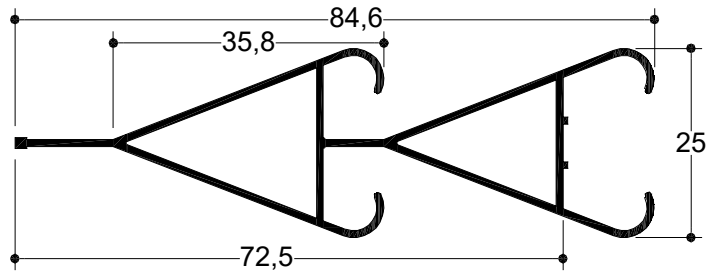
TV 2537

4,7 m | 313 gr/m
Καπάκι για TV 2536
Cover Cap for TV 2536



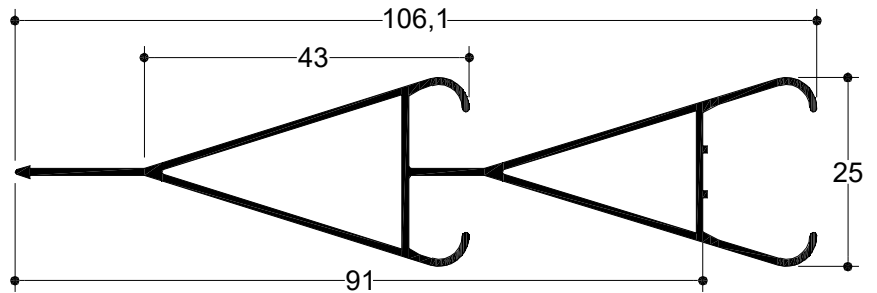
PER 250

6,0 m | 547 gr/m
Φυλλαράκι Πατζουριού (Κρινάκι)
Fixed Louver Profile
7.6 Kgr/m² | 14 τεμ./m



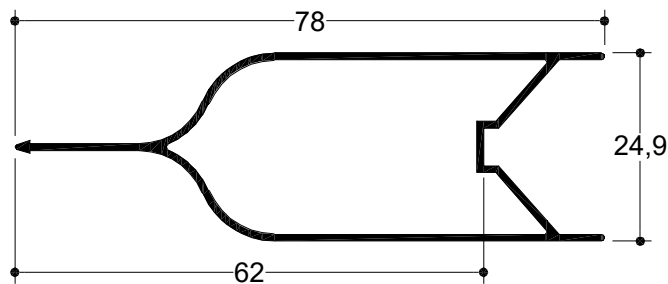
PER 260

6,0 m | 620 gr/m
Φυλλαράκι Πατζουριού (Κρινάκι)
Fixed Louver Profile
6.8 Kgr/m² | 11 τεμ./m



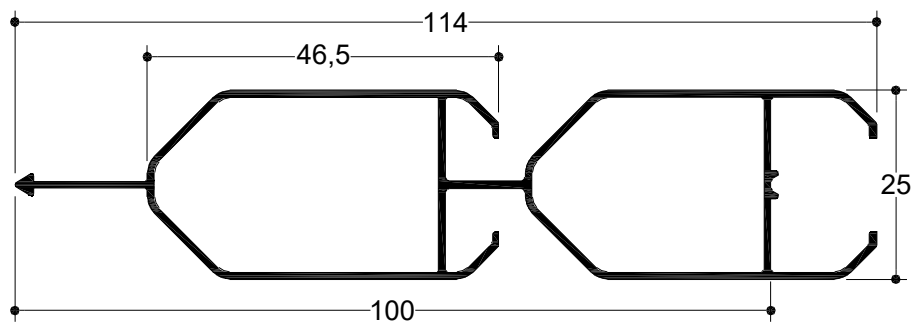
PER 270

6,0 m | 441 gr/m
Φυλλαράκι Πατζουριού (Τουλίπα)
Fixed Louver Profile
7.1 Kgr/m² | 16 τεμ./m



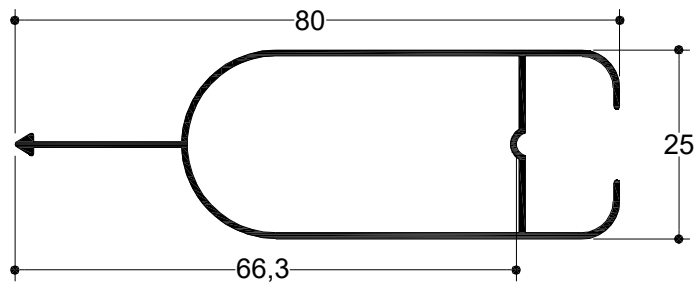
PER 300

6,0 m | 730 gr/m
Φυλλαράκι Πατζουριού
Fixed Louver Profile
7.3 Kgr/m² | 10 τεμ./m



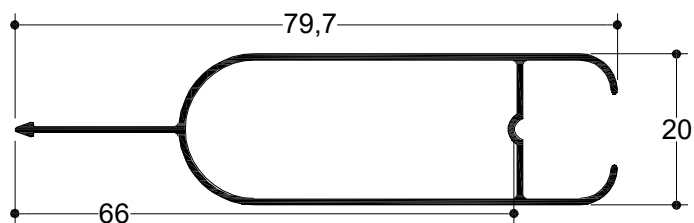
PER 320

6,0 m | 408 gr/m
Φυλλαράκι Πατζουριού
Fixed Louver Profile
6.1 Kgr/m² | 15 τεμ./m



PER 324

6,0 m | 377 gr/m
Στενή Περίσφιδα 20mm
Slim Louver 20mm
5.7 Kgr/m² | 15 τεμ./m



Μόνο για TV 12203
Only for TV 12203

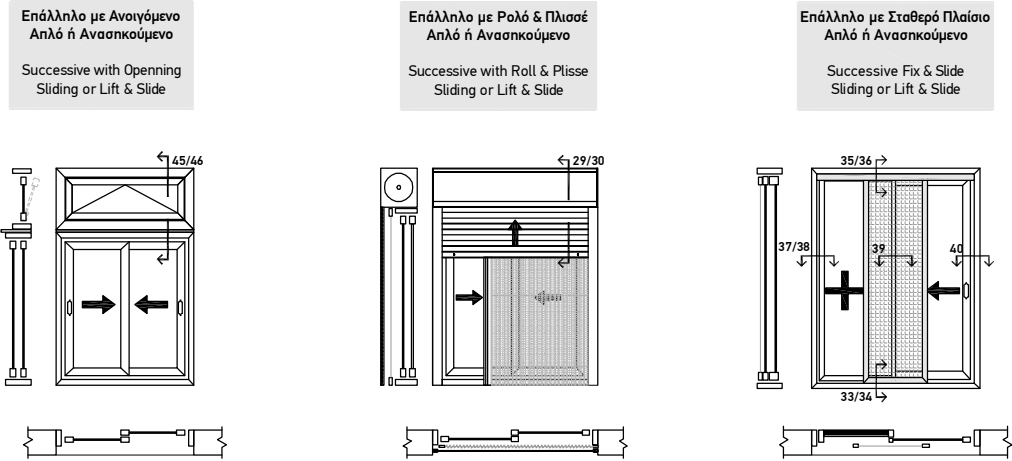
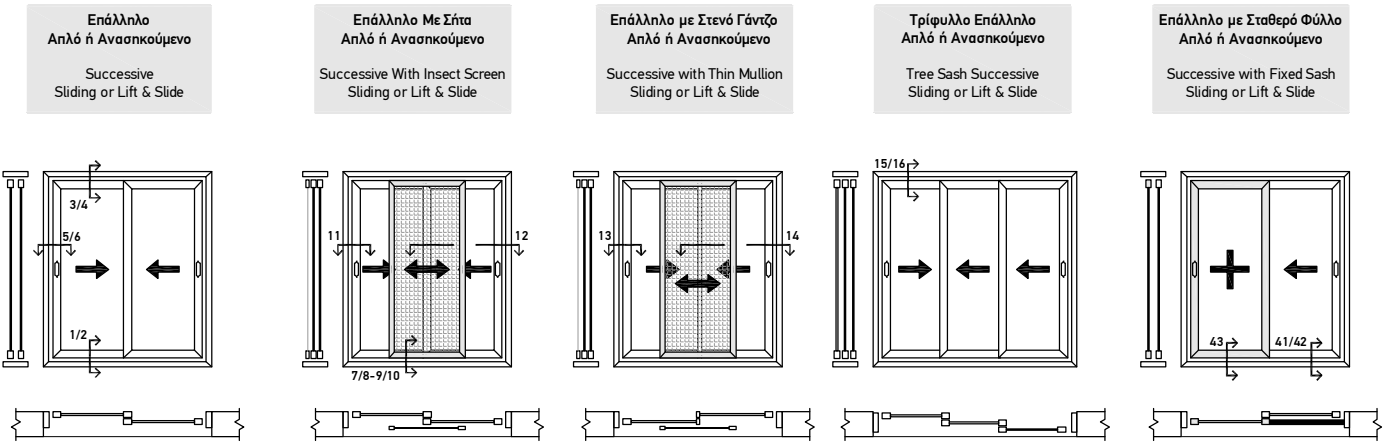


1.2 Τομές Sections

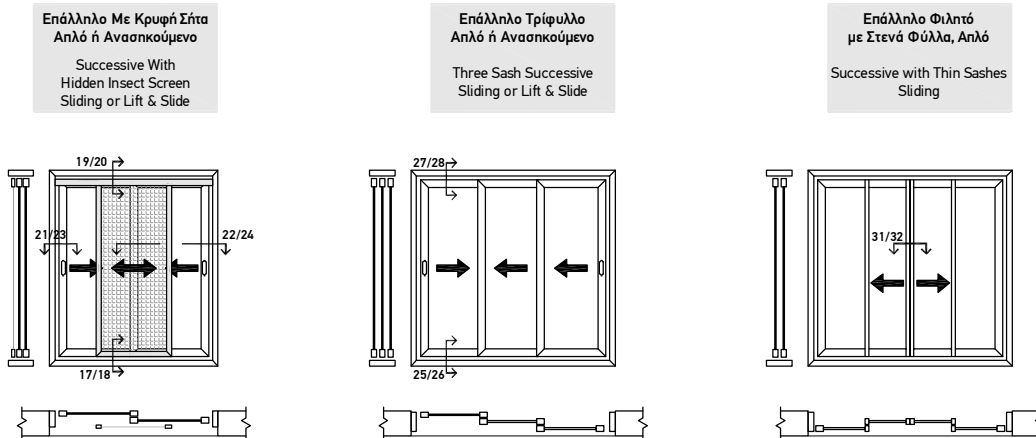
1.2

Κατασκευαστικές Τομές
Sections

Επάλληλα Με Οδηγούς Ύψους 42mm | Successive Doors With Rail Height of 42mm

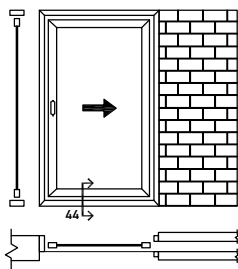


Επάλληλα Με Οδηγούς Ύψους 32mm | Successive Doors With Rail Height of 32mm

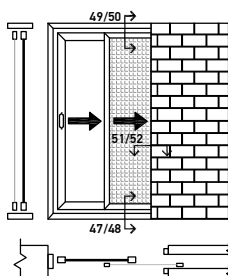


Συρόμενα Χωνευτά με Οδηγό Ύψους 42mm | Sliding Pocket Doors with 42mm rail

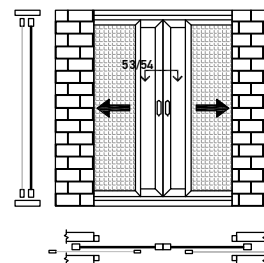
Μονόφυλλο
Απλό ή Ανασπκούμενο
Single Sash
Sliding or Lift & Slide



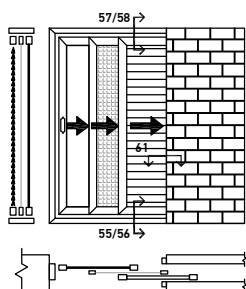
Μονόφυλλο Τζάμι - Σήτα
Απλό ή Ανασπκούμενο
Single Sash
Glass - Insect Screen
Sliding or Lift & Slide



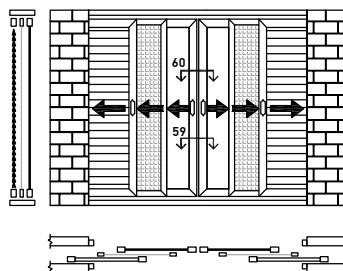
Δίφυλλο Τζάμι - Σήτα
Απλό ή Ανασπκούμενο
Two Sash | Glass - Insect
Screen
Sliding or Lift & Slide



Μονόφυλλο Τζάμι - Σήτα - Πατζούρι
Απλό ή Ανασπκούμενο
Single Sash Glass - Insect Screen
Shutter
Sliding or Lift & Slide

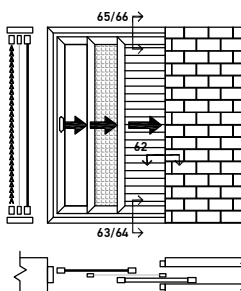


Δίφυλλο Τζάμι - Σήτα - Πατζούρι
Απλό ή Ανασπκούμενο
Two Sash Glass - Insect Screen
Shutter
Sliding or Lift & Slide

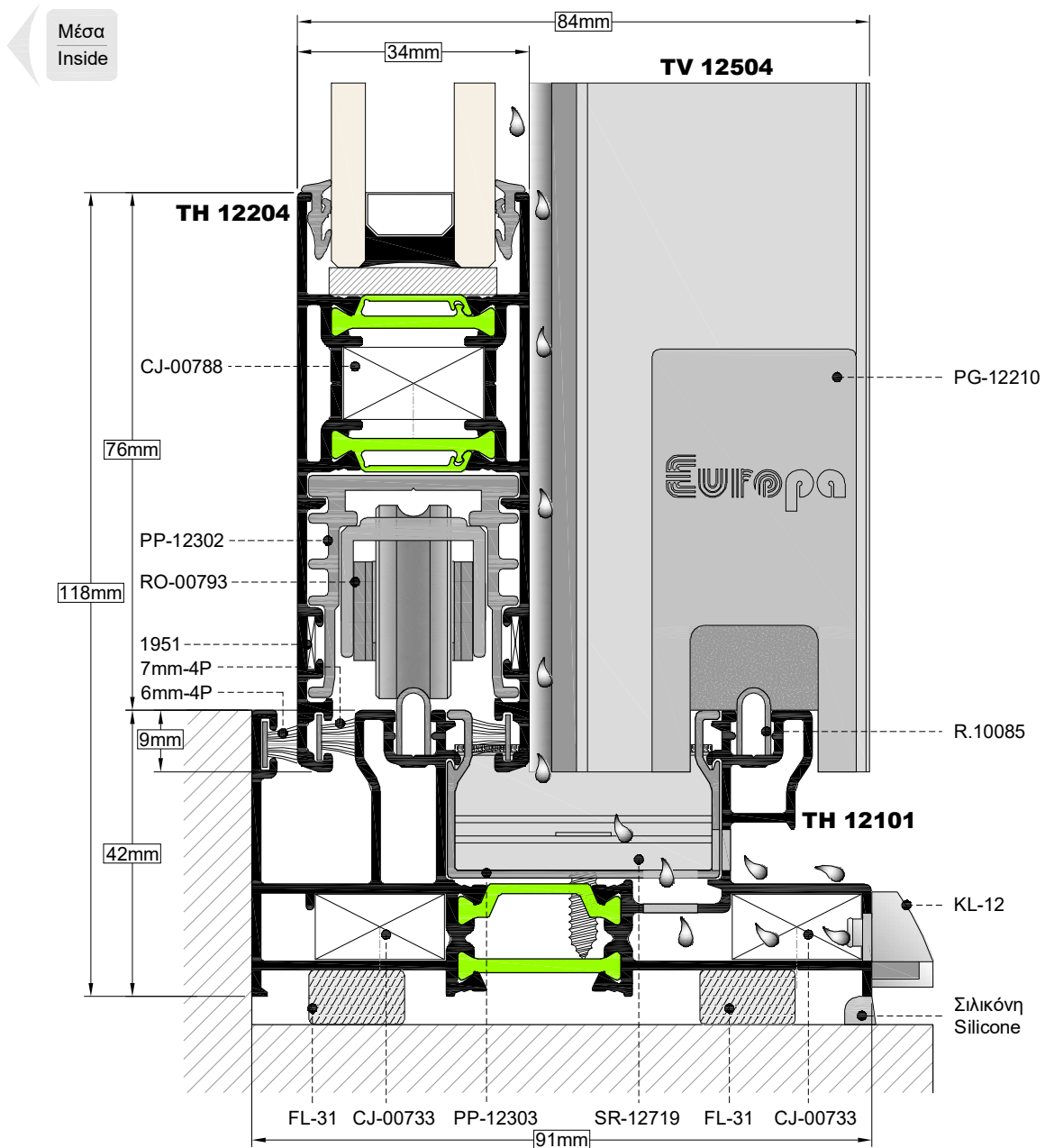
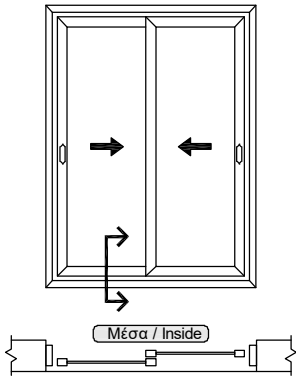


Συρόμενα Χωνευτά με Οδηγό Ύψους 33mm | Sliding Pocket Doors with 33mm rail

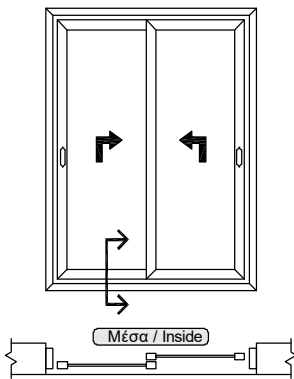
Μονόφυλλο Τζάμι - Σήτα - Πατζούρι
Απλό ή Ανασπκούμενο
Single Sash
Glass - Insect Screen - Shutter
Sliding or Lift & Slide



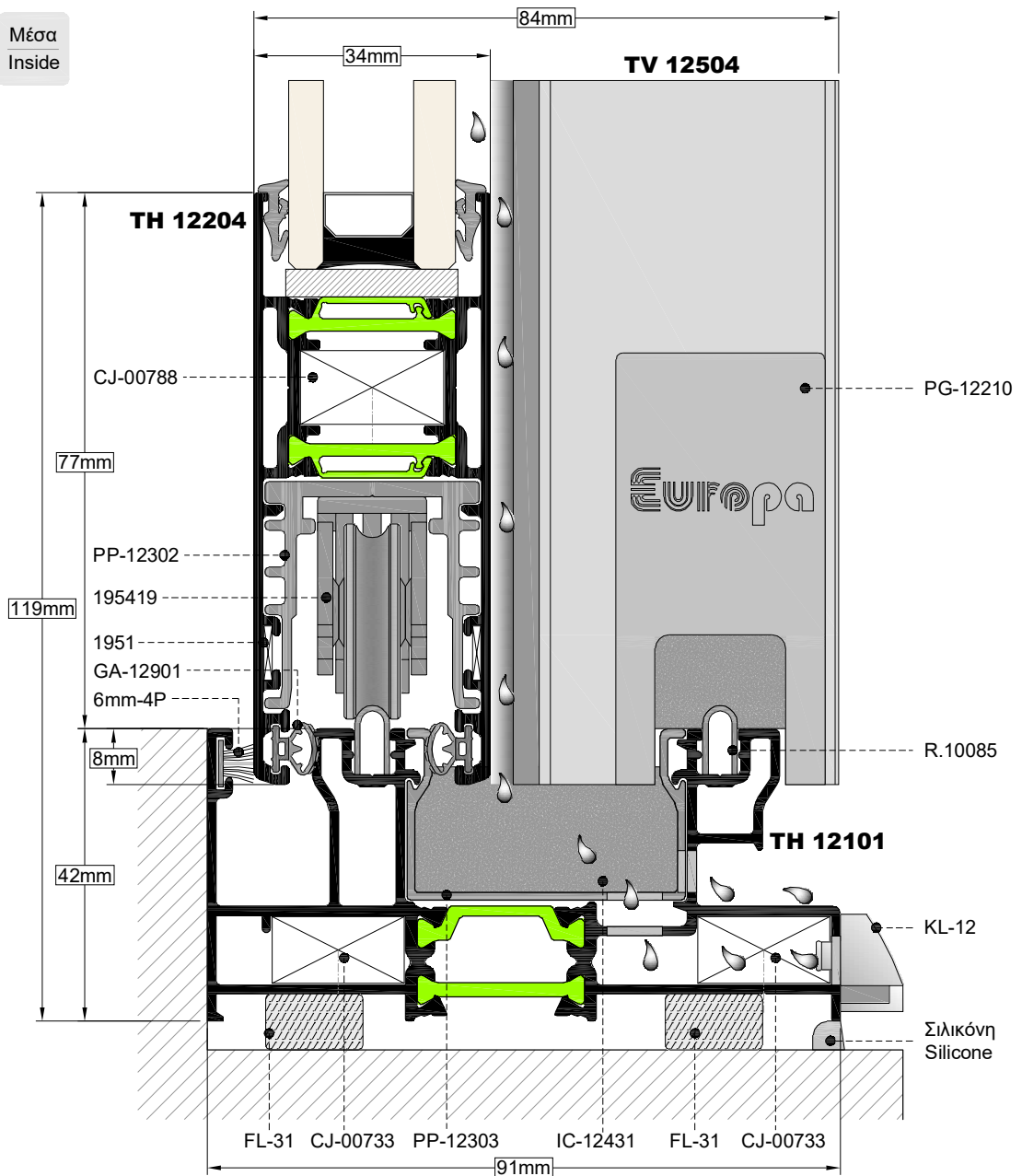
TOMH 1 **ΚΑΙΜΑΚΑ** 1:1
SECTION SCALE



TOMH SECTION **2** **ΚΑΙΜΑΚΑ** SCALE **1:1**



Μέσα
Inside

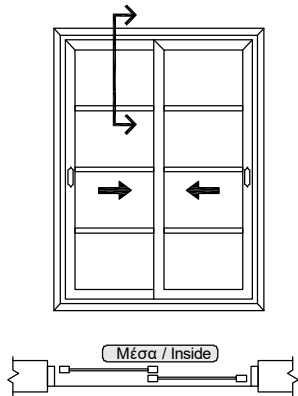


TOMH
SECTION

3

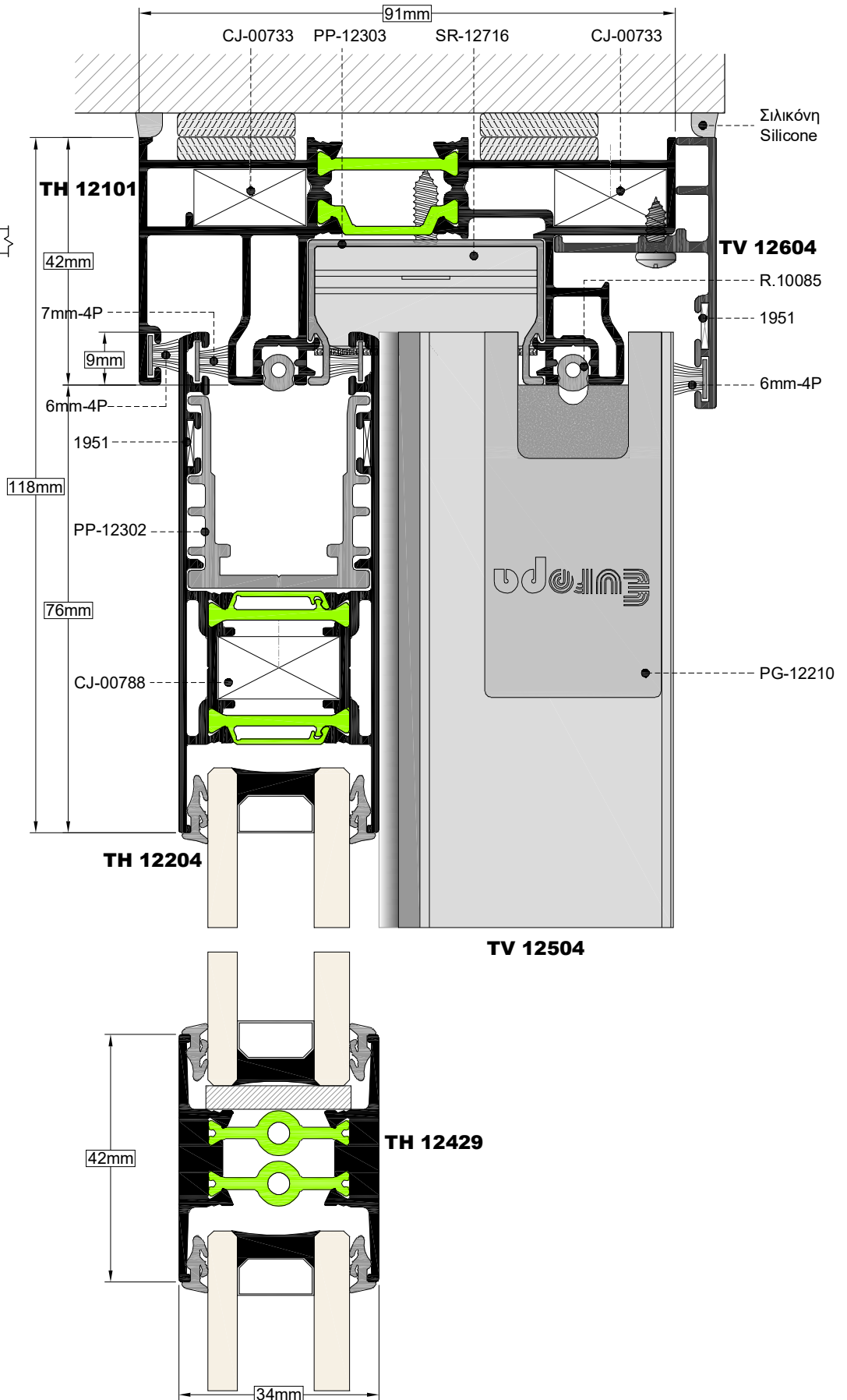
ΚΑΙΜΑΚΑ
SCALE

1:1



Μέσα / Inside

Μέσα
Inside



Σιλικόνη
Silicone

TV 12604

R.10085

1951

6mm-4P

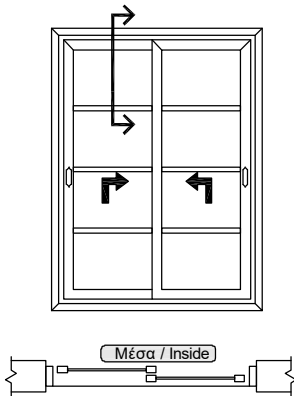
PG-12210

TH 12204

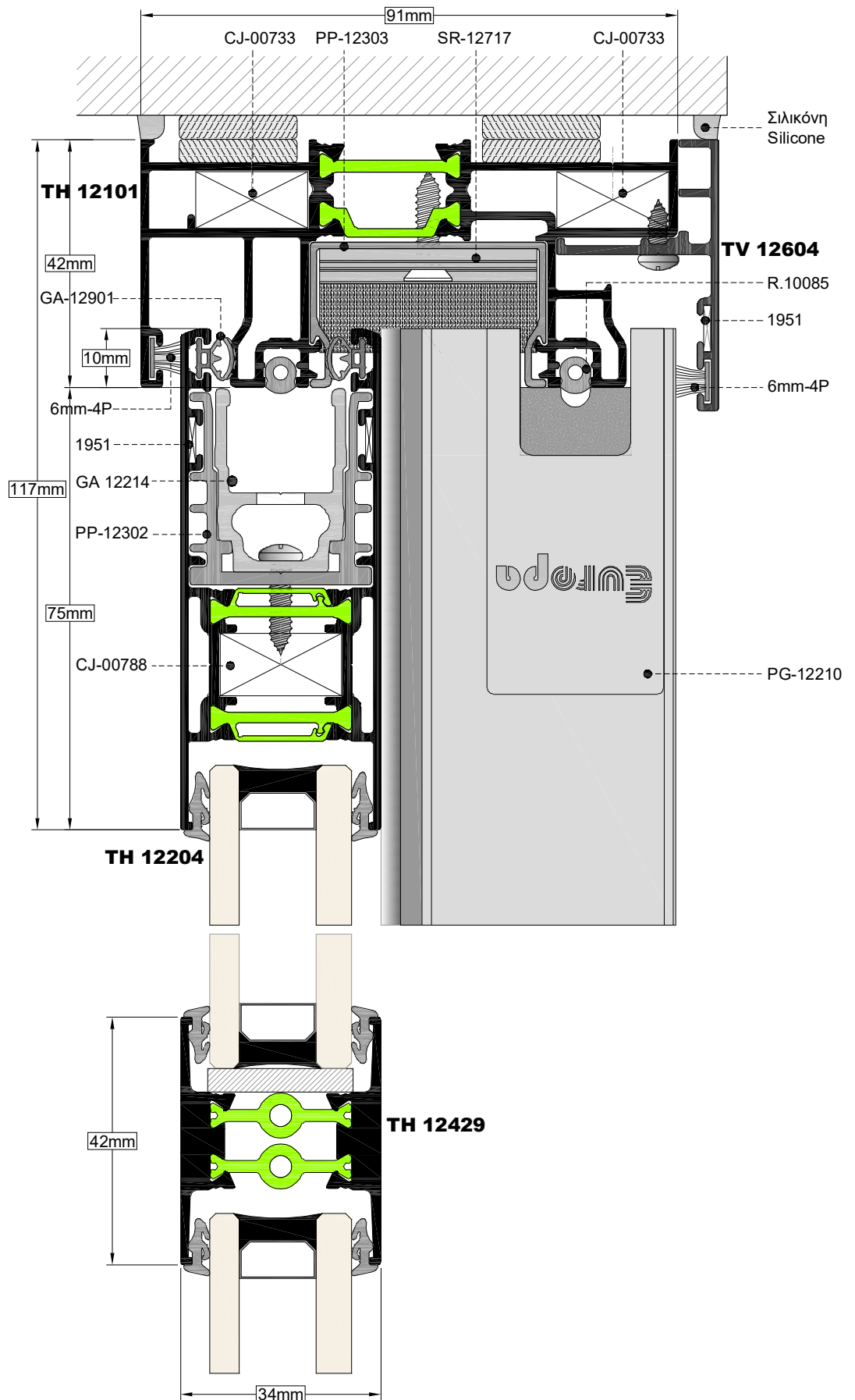
TV 12504

TH 12429

TOMH SECTION 4 **ΚΑΙΜΑΚΑ SCALE 1:1**

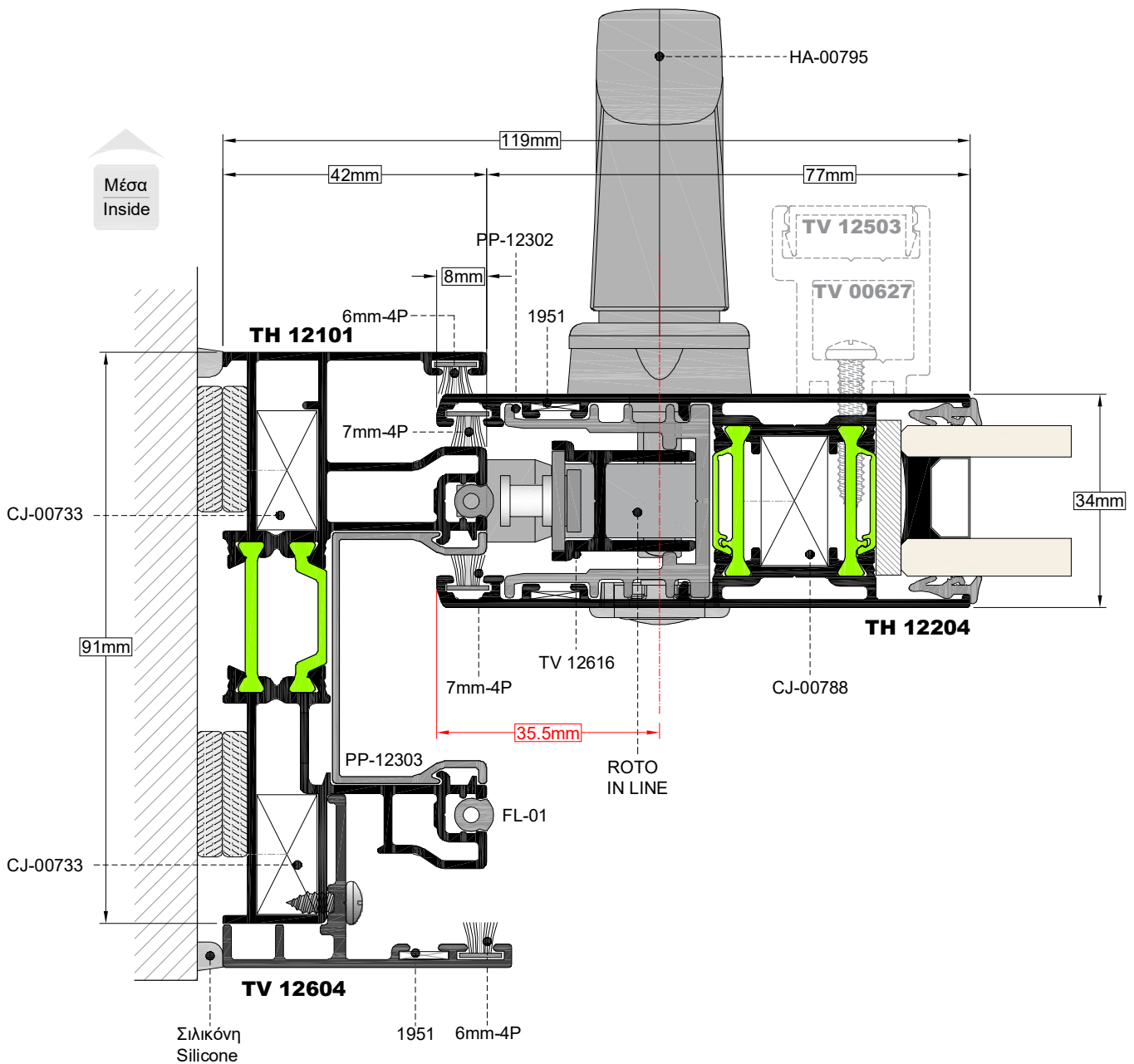
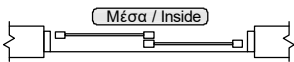
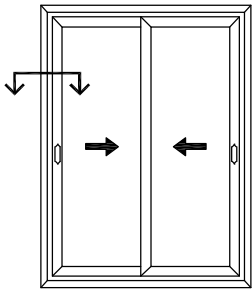


Μέσα
Inside



TOMH 5
SECTION

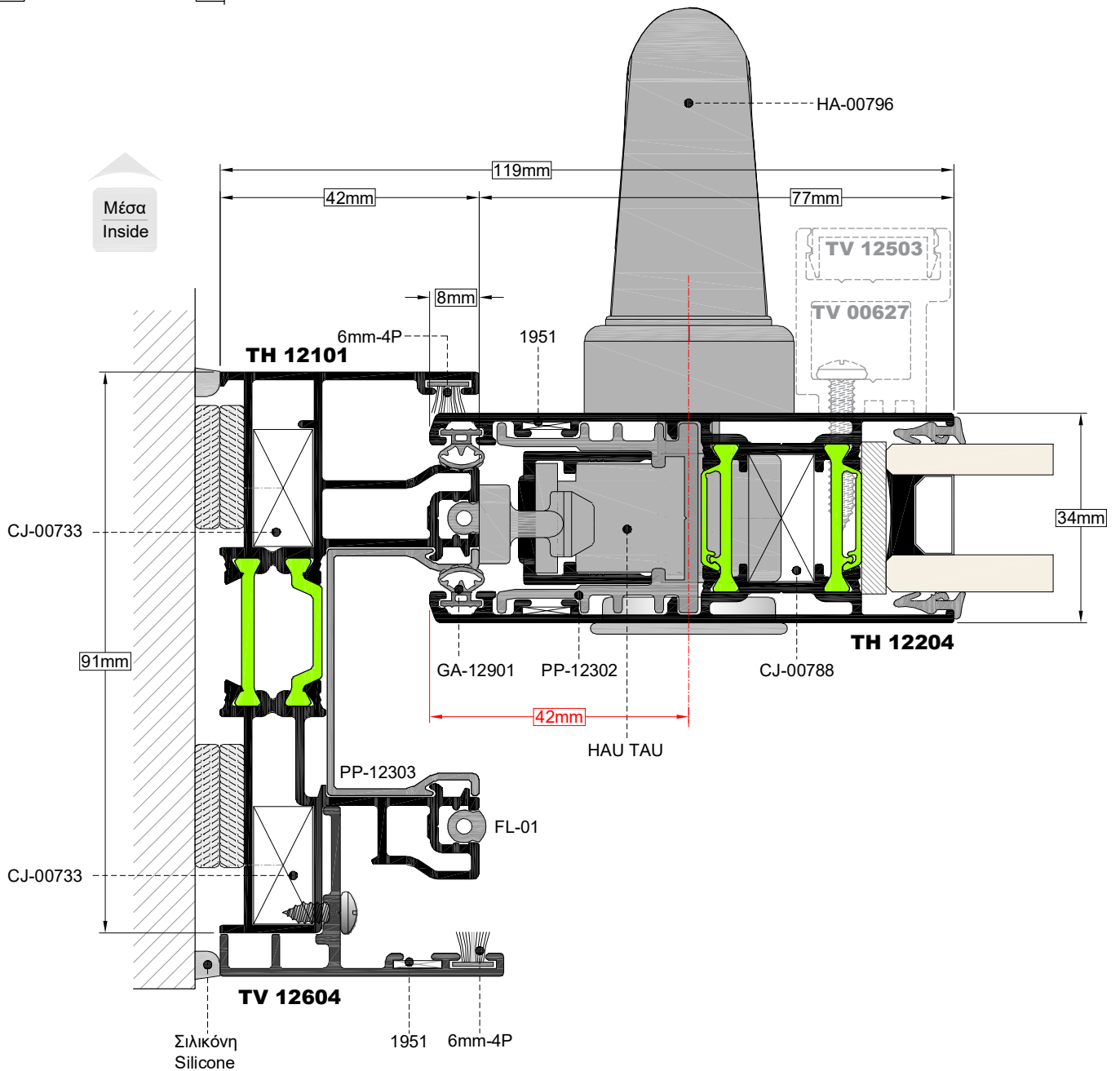
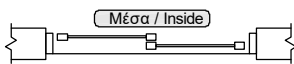
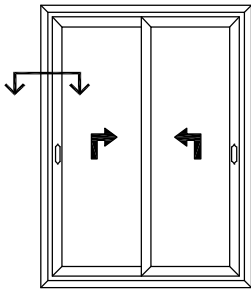
ΚΑΙΜΑΚΑ 1:1
SCALE



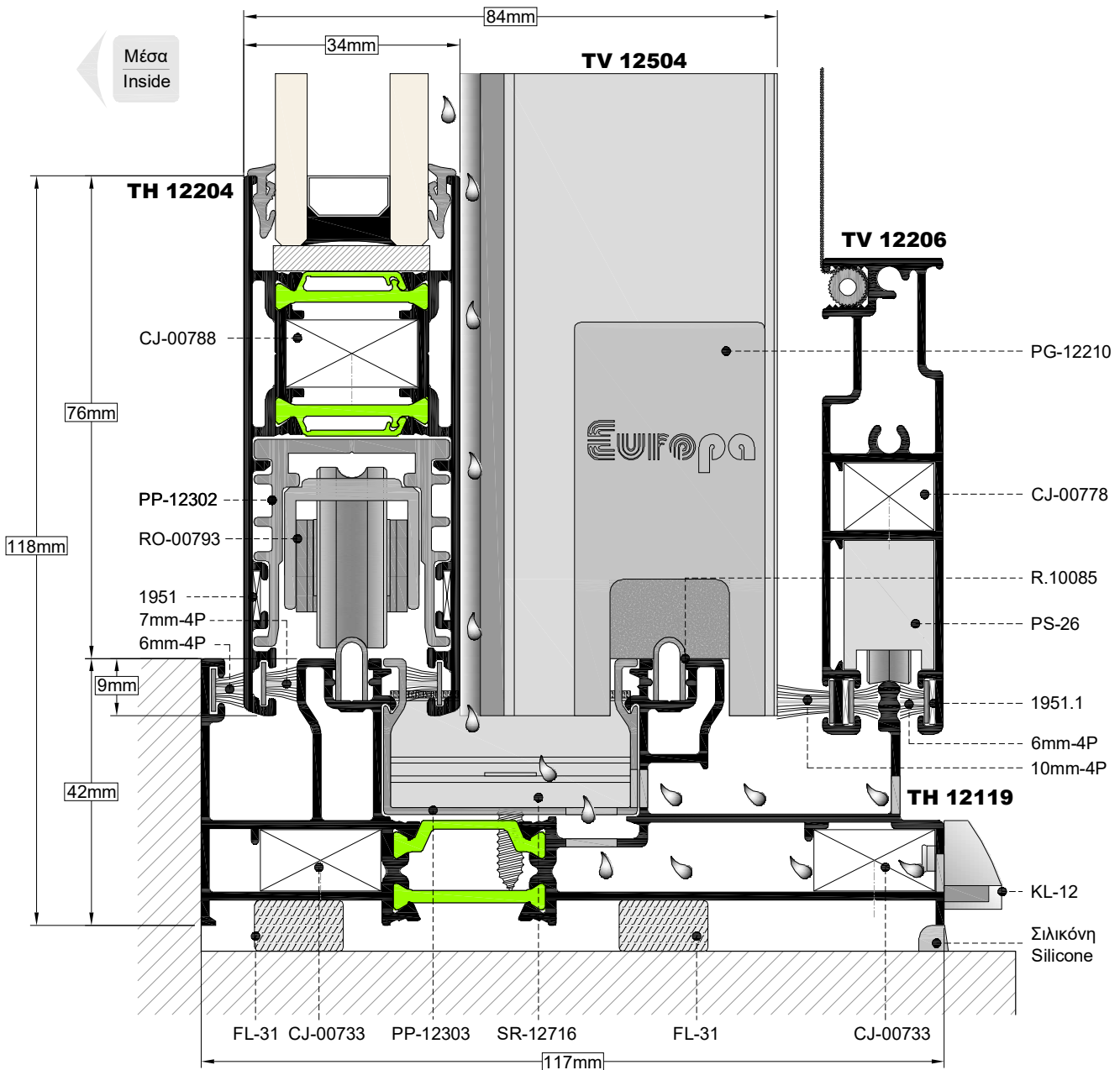
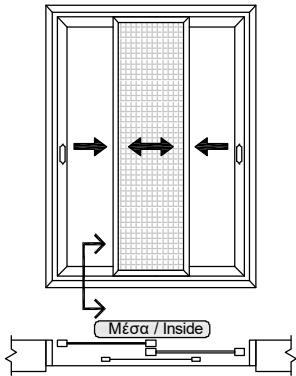
TOMH
SECTION

6

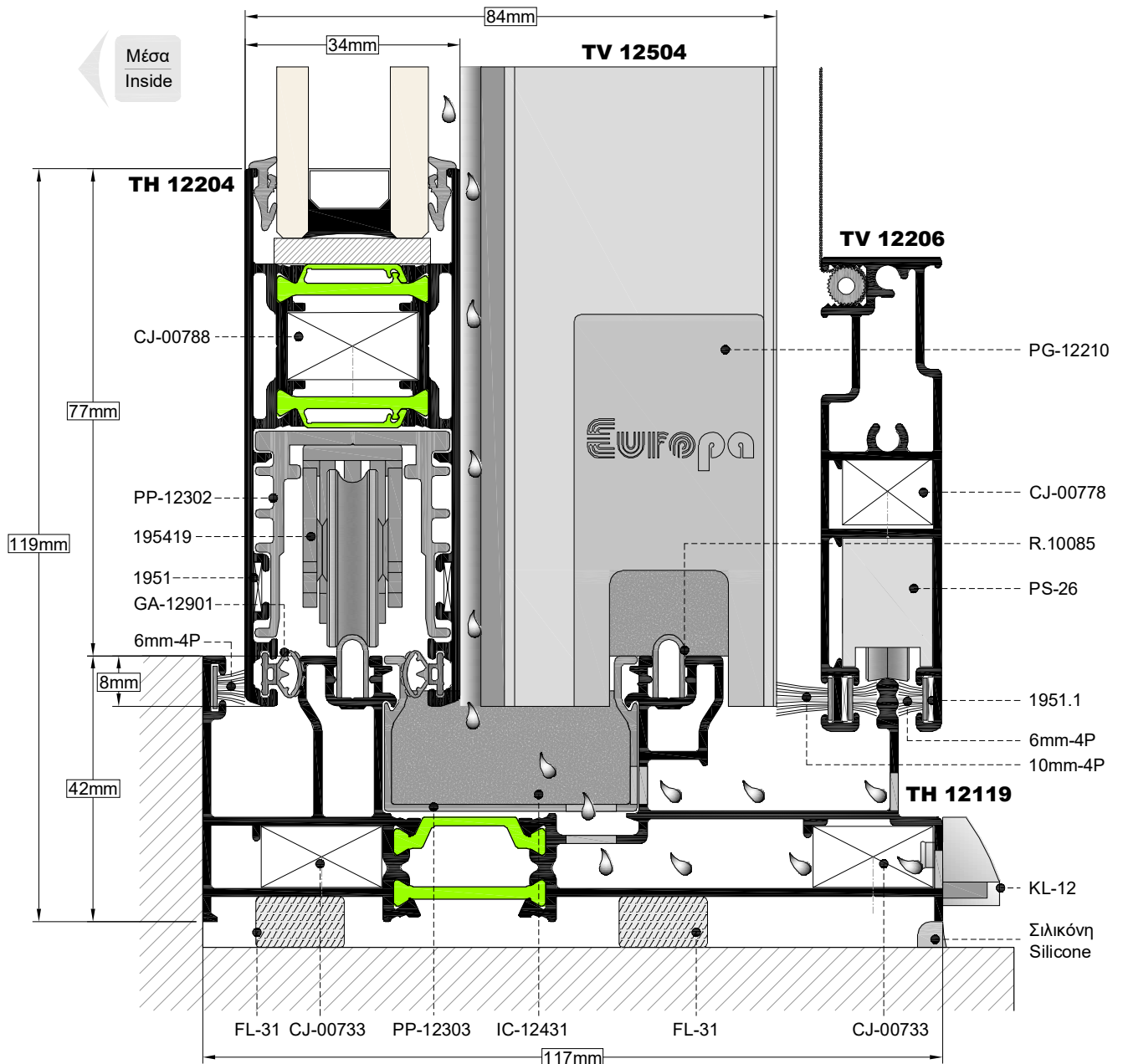
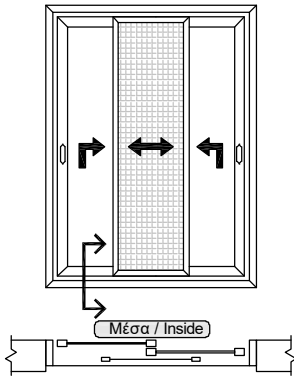
ΚΑΙΜΑΚΑ
SCALE 1:1



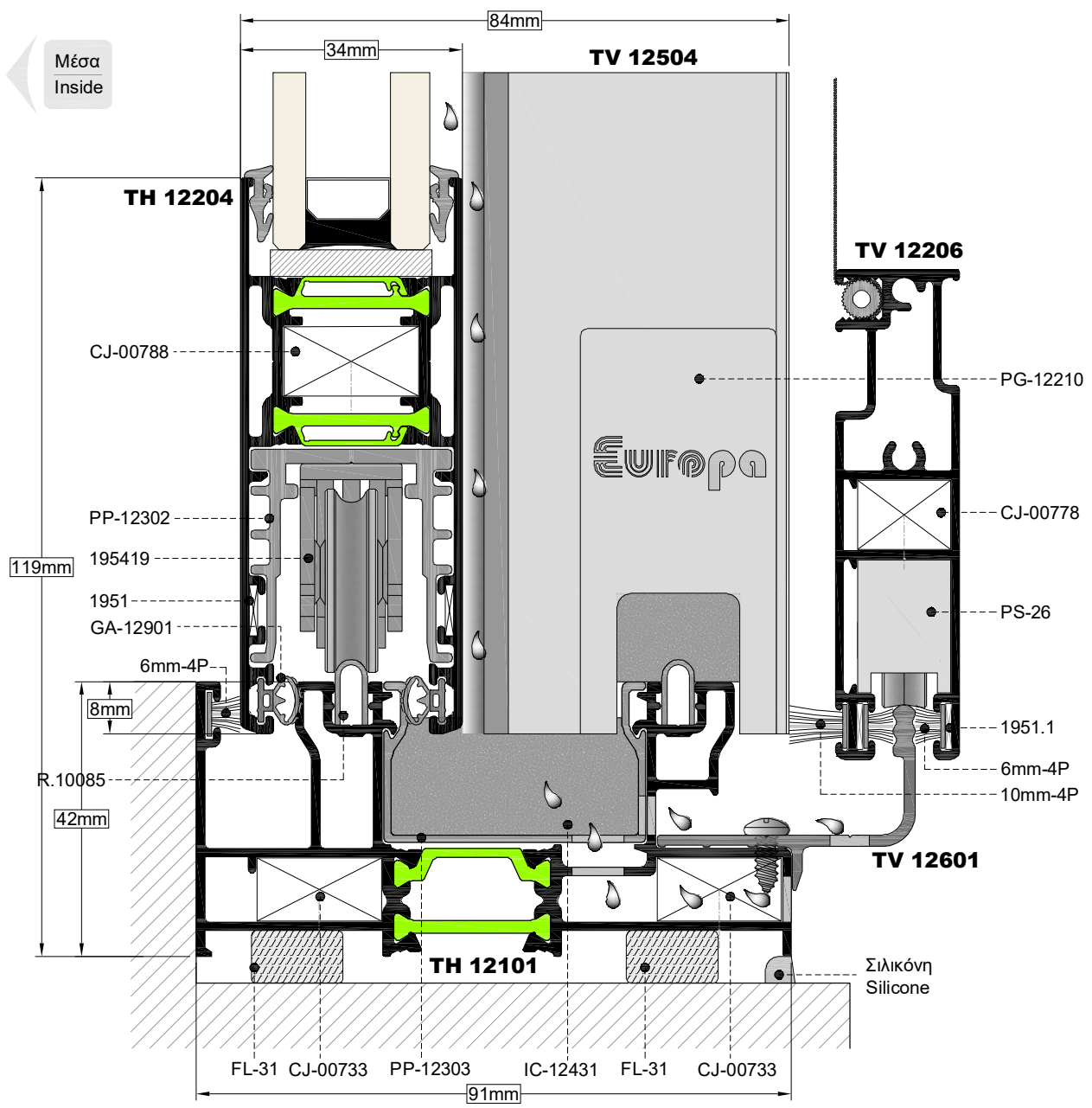
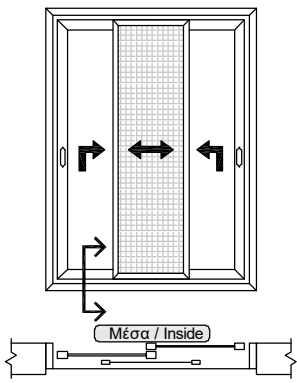
TOMH SECTION 7 **ΚΑΙΜΑΚΑ SCALE 1:1**



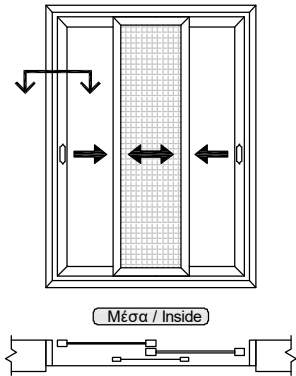
TOMH SECTION 8 **ΚΑΙΜΑΚΑ SCALE 1:1**



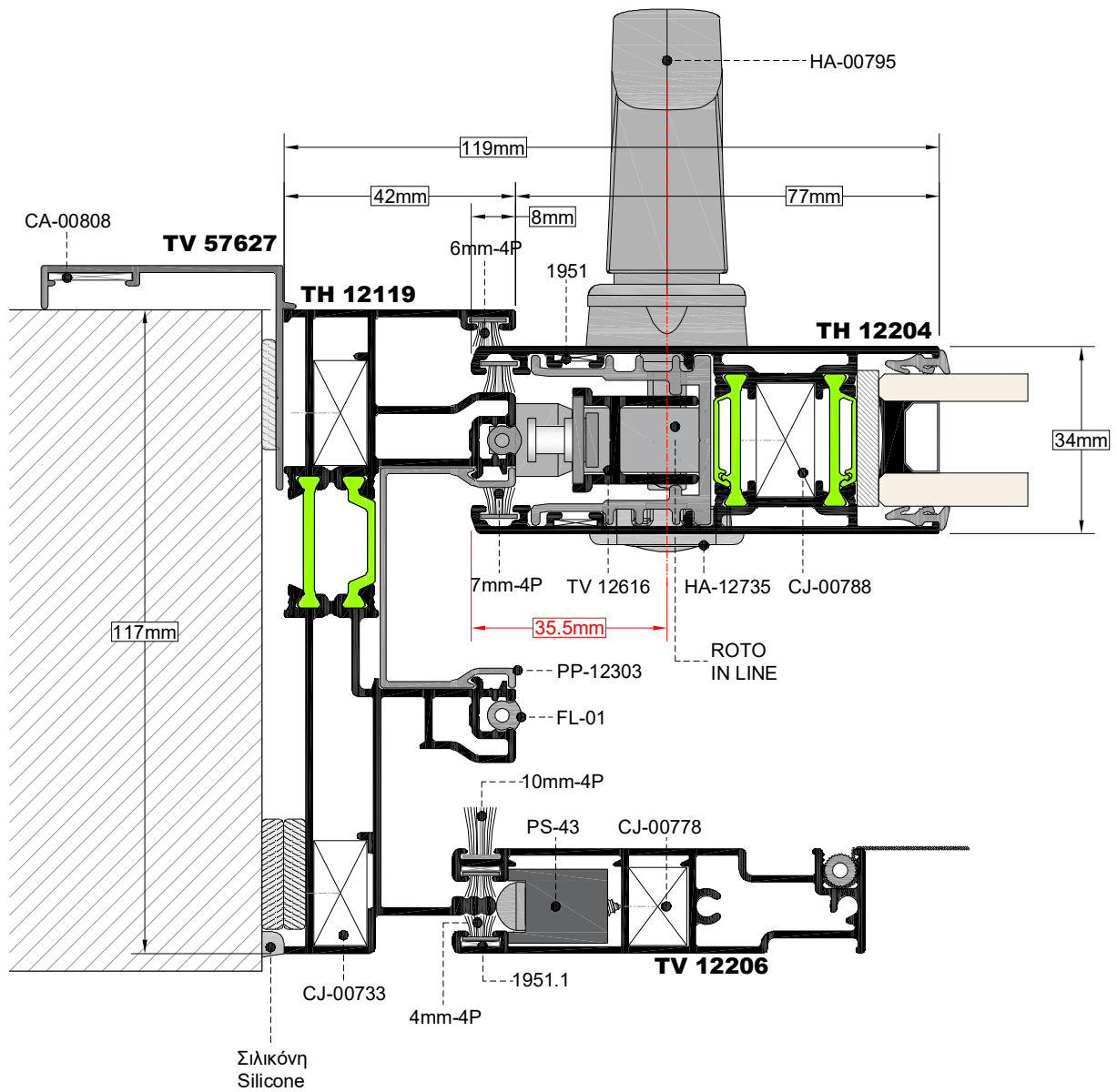
TOMH SECTION **10** ΚΑΙΜΑΚΑ SCALE 1:1



TOMH SECTION 11 **ΚΑΙΜΑΚΑ SCALE 0,8:1**

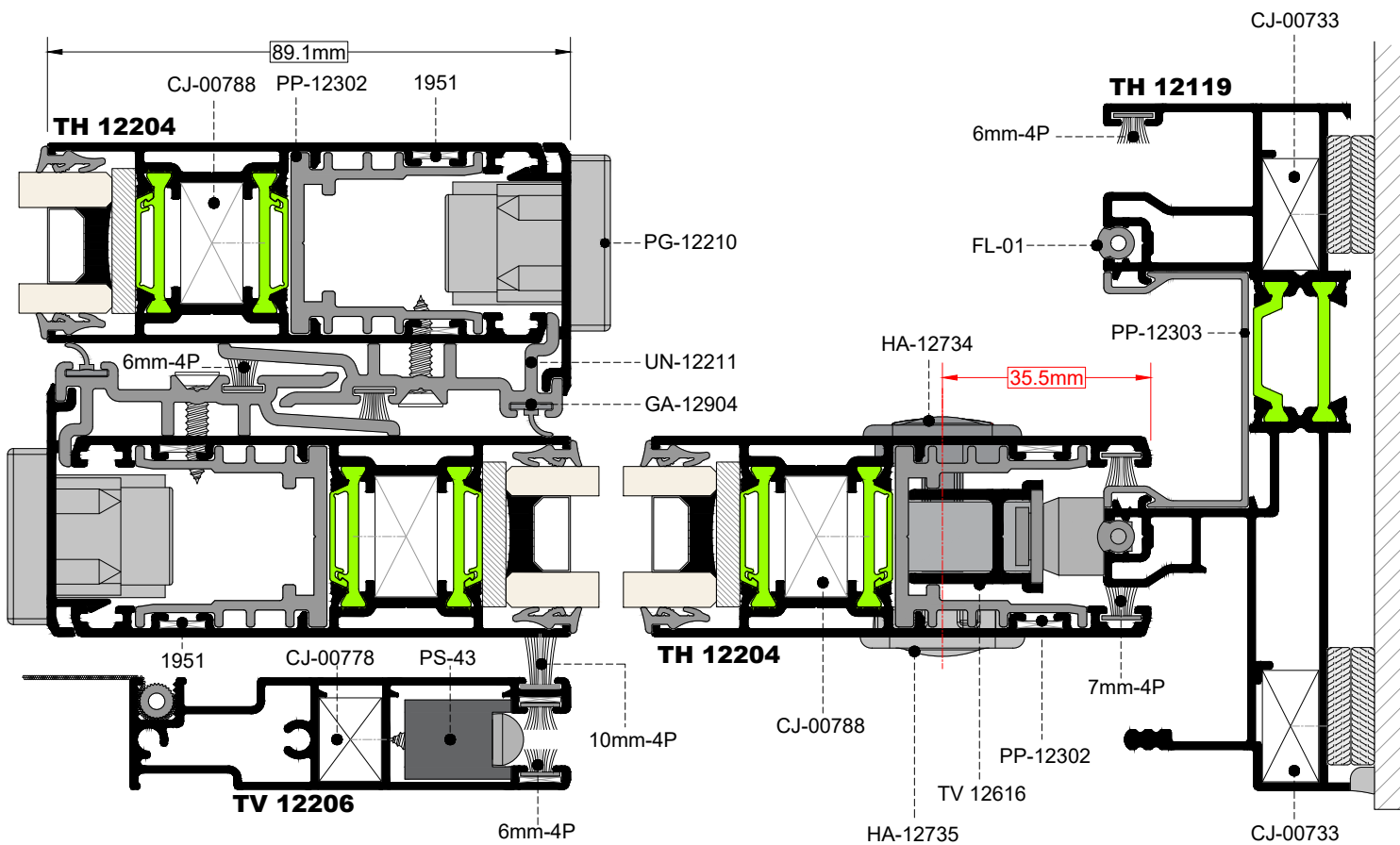
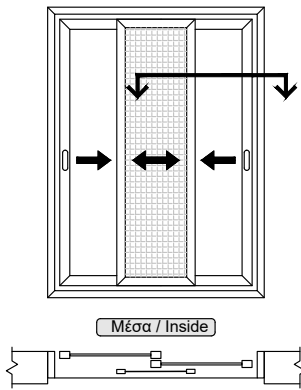


Μέσα
Inside

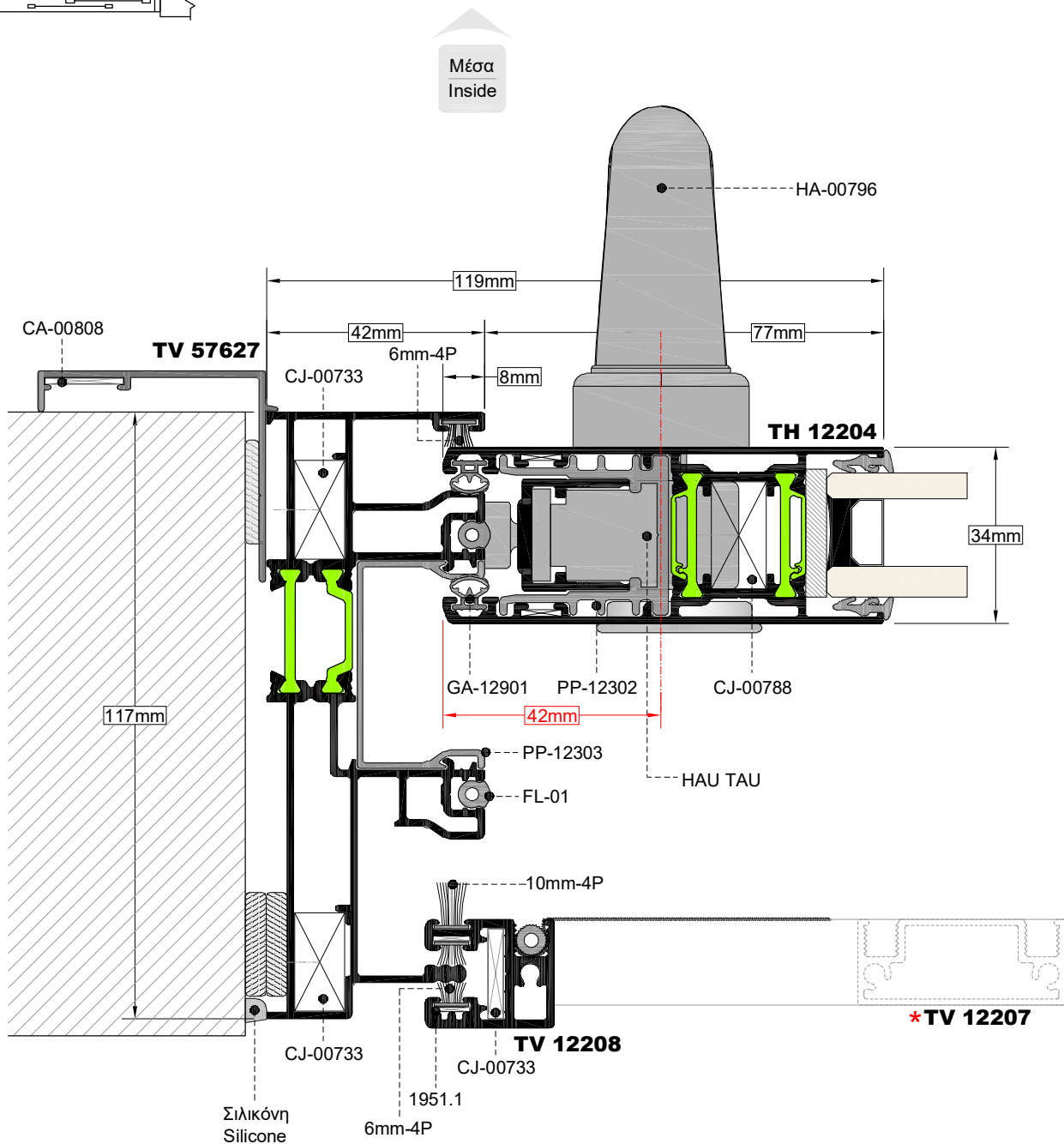
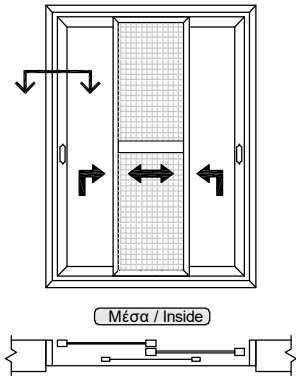


ΤΟΜΗ
SECTION **12**

ΚΛΙΜΑΚΑ
SCALE **0,8:1**



ΤΟΜΗ 13 **ΚΑΙΜΑΚΑ** 0,8:1
SECTION **SCALE**



***ΣΗΜΕΙΩΣΗ:**

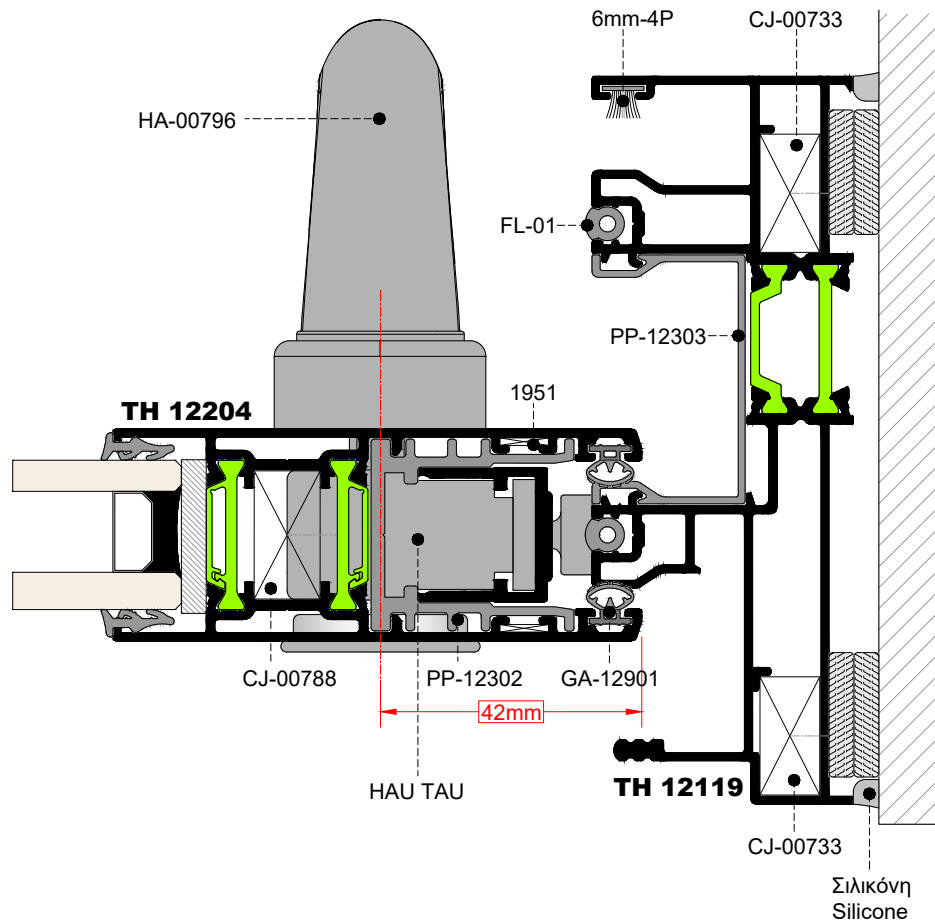
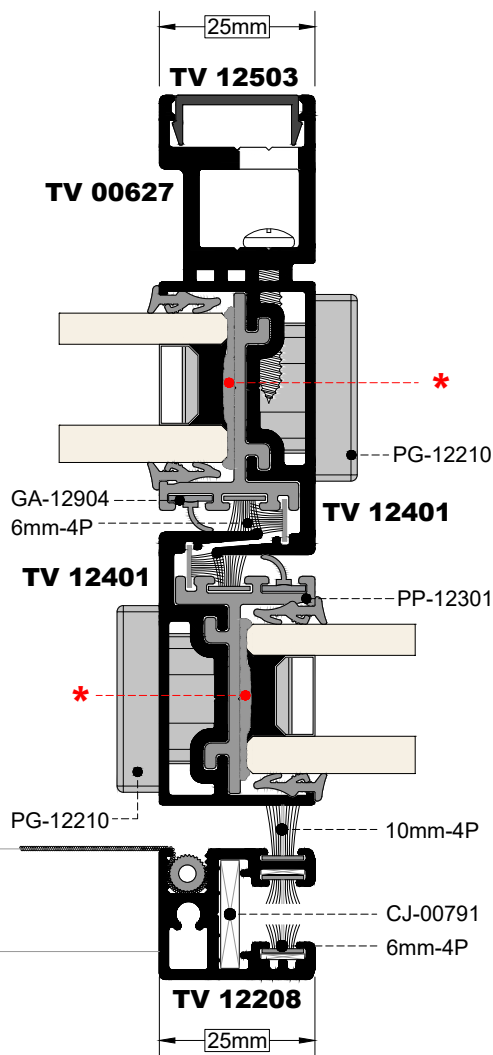
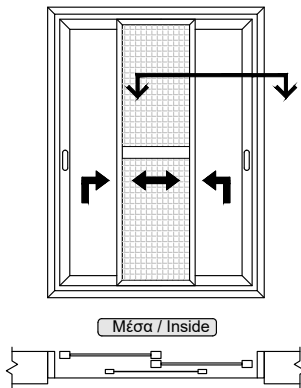
Για φύλλο σήτας πλάτους μεγαλύτερο από 1m, απαραίτητη η χρήση χωρίσματος TV 12207.

***NOTE:**

For insect screen wider than 1m the use of transom mullion TV 12207 is necessary.

TOMH
SECTION **14**

ΚΛΙΜΑΚΑ
SCALE **0,8:1**



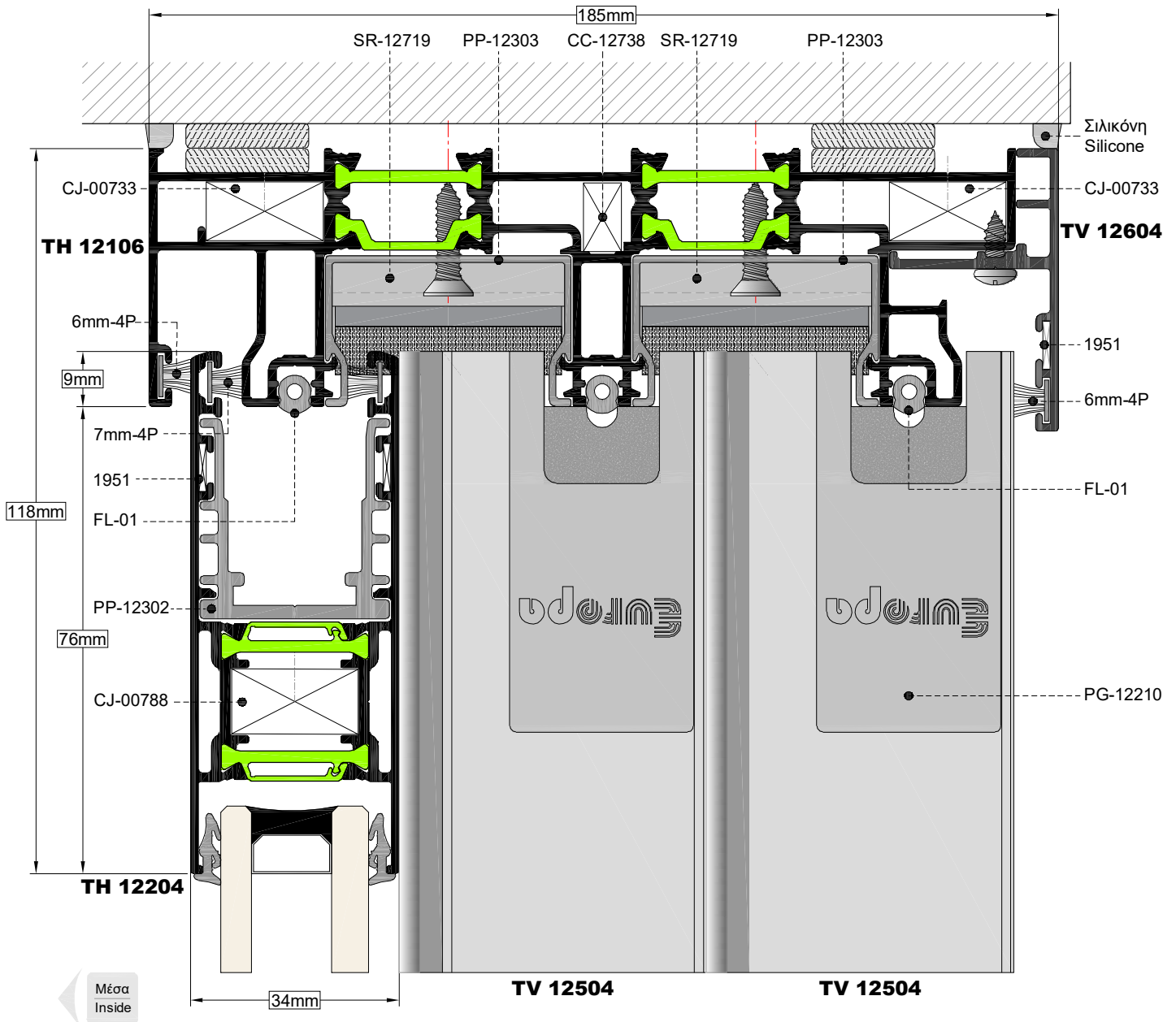
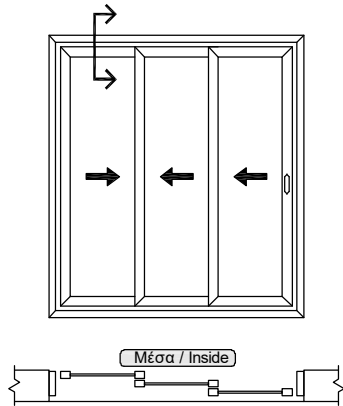
* Προσοχή στο είδος της κόλλας που θα χρησιμοποιηθεί για την κόλληση του υαλοπίνακα επάνω στον γάντζο. Δεν πρέπει να επηρεάζει την "θειόκολλα" του υαλοπίνακα.
Pay attention to the type of glue that will be used to glue the glass onto the hook.
It is critical to not affect the glue of the double glass.

TOMH
SECTION

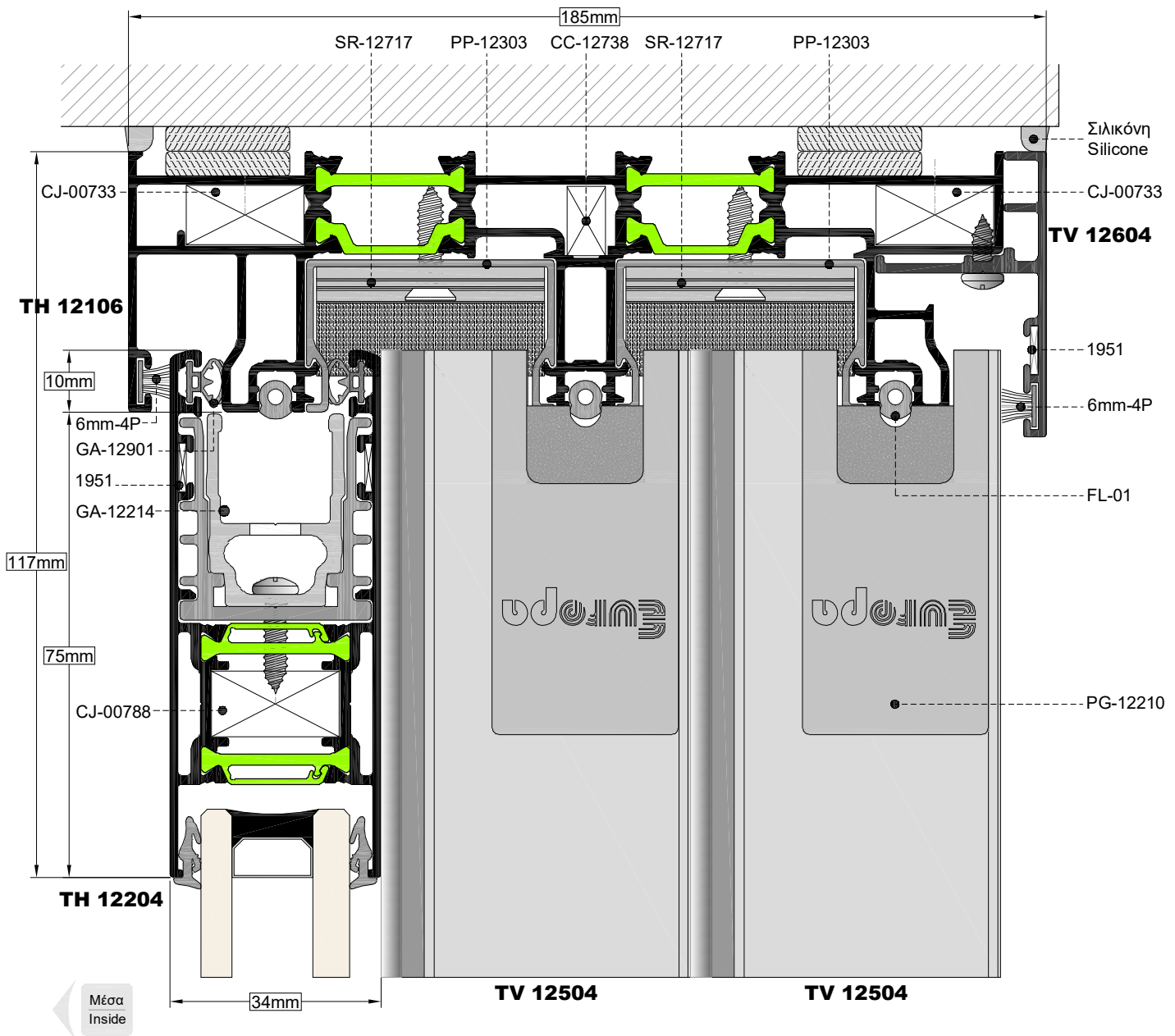
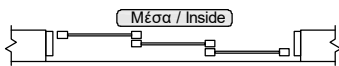
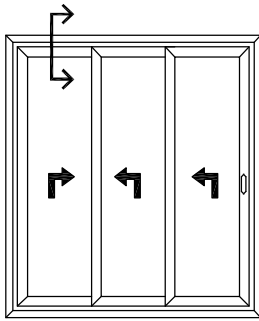
15

ΚΑΙΜΑΚΑ
SCALE

1:1



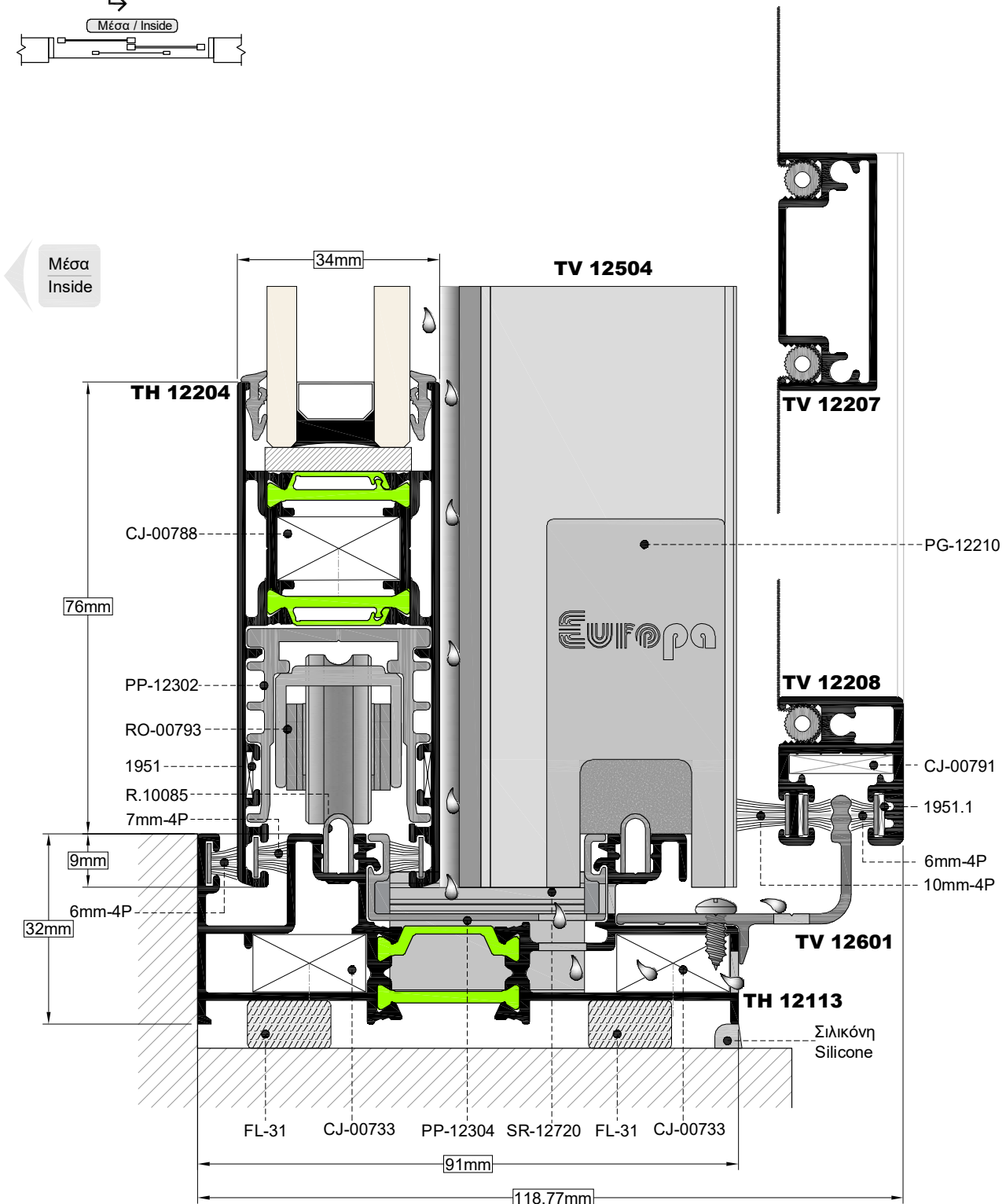
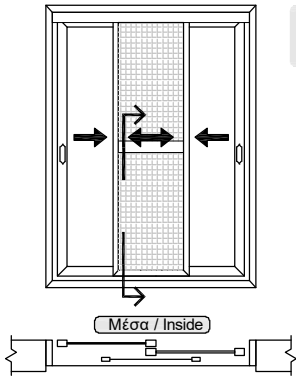
TOMH SECTION 16 ΚΑΙΜΑΚΑ SCALE 1:1



ΤΟΜΗ 17
SECTION

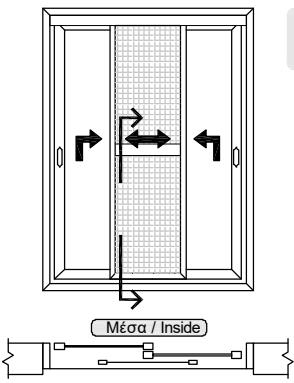
ΚΑΙΜΑΚΑ 1:1
SCALE

Επάλληλο με κρυφή οθόνη
Successive with hidden insect screen

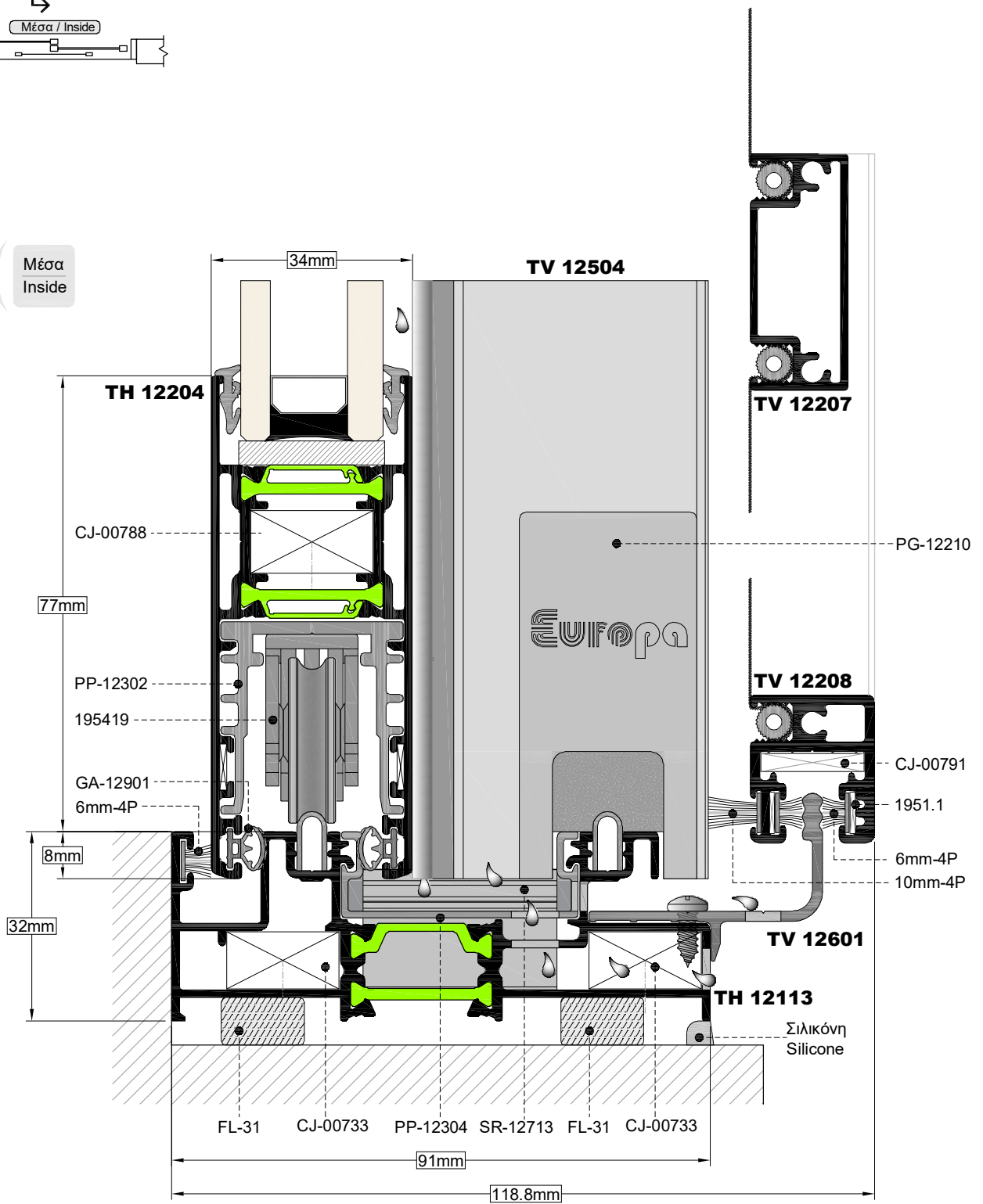


TOMH SECTION 18 ΚΛΙΜΑΚΑ SCALE 1:1

Επάλληλο με κρυφή οθόνη
Successive with hidden insect screen

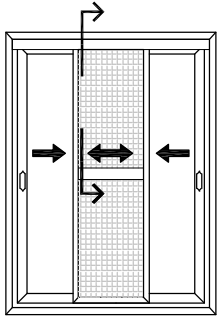


Μέσα
Inside

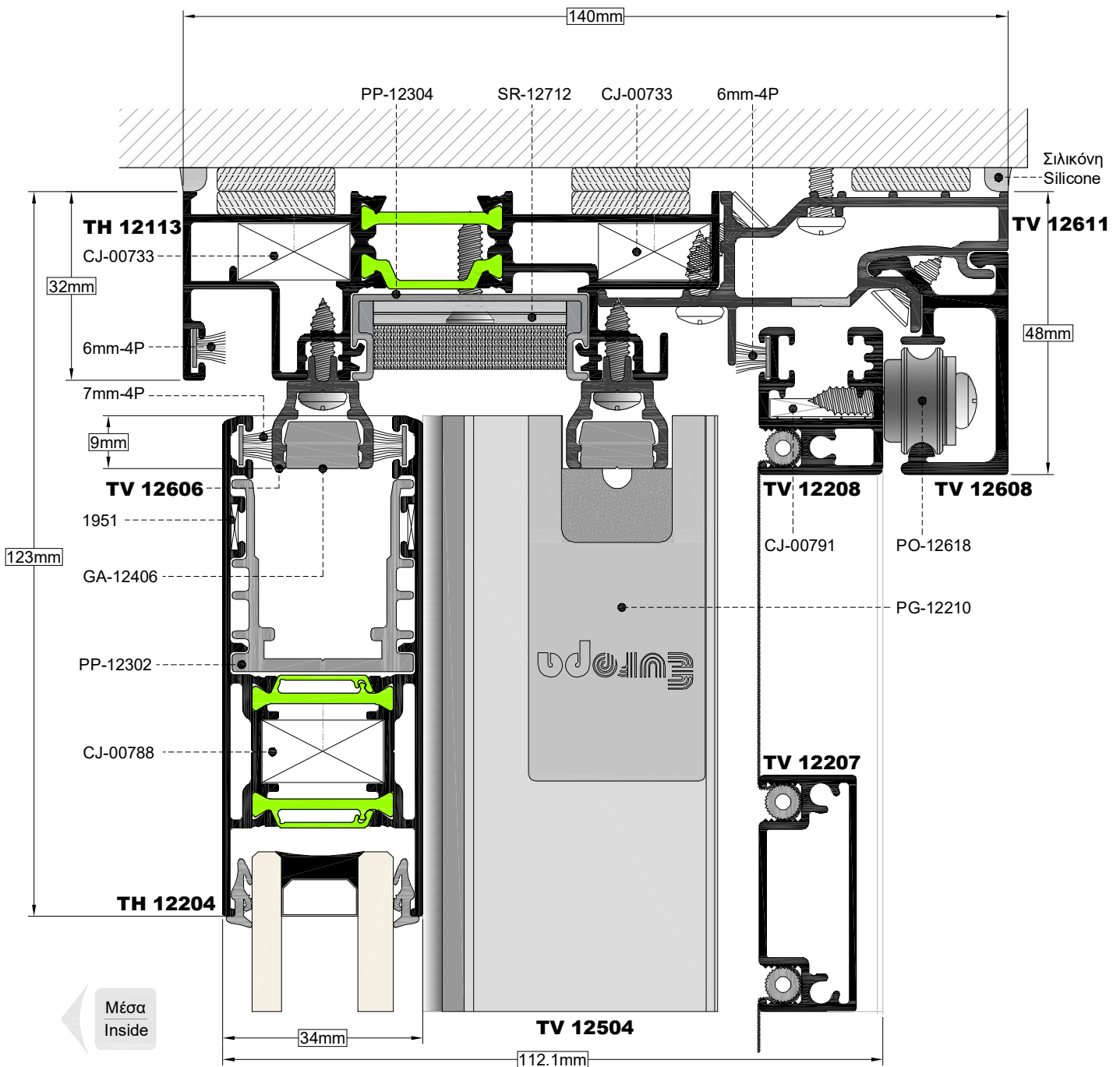
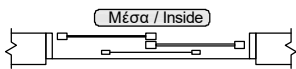


ΤΟΜΗ
SECTION **19**

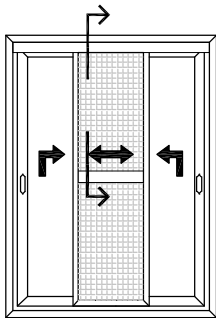
ΚΑΙΜΑΚΑ
SCALE **1:1**



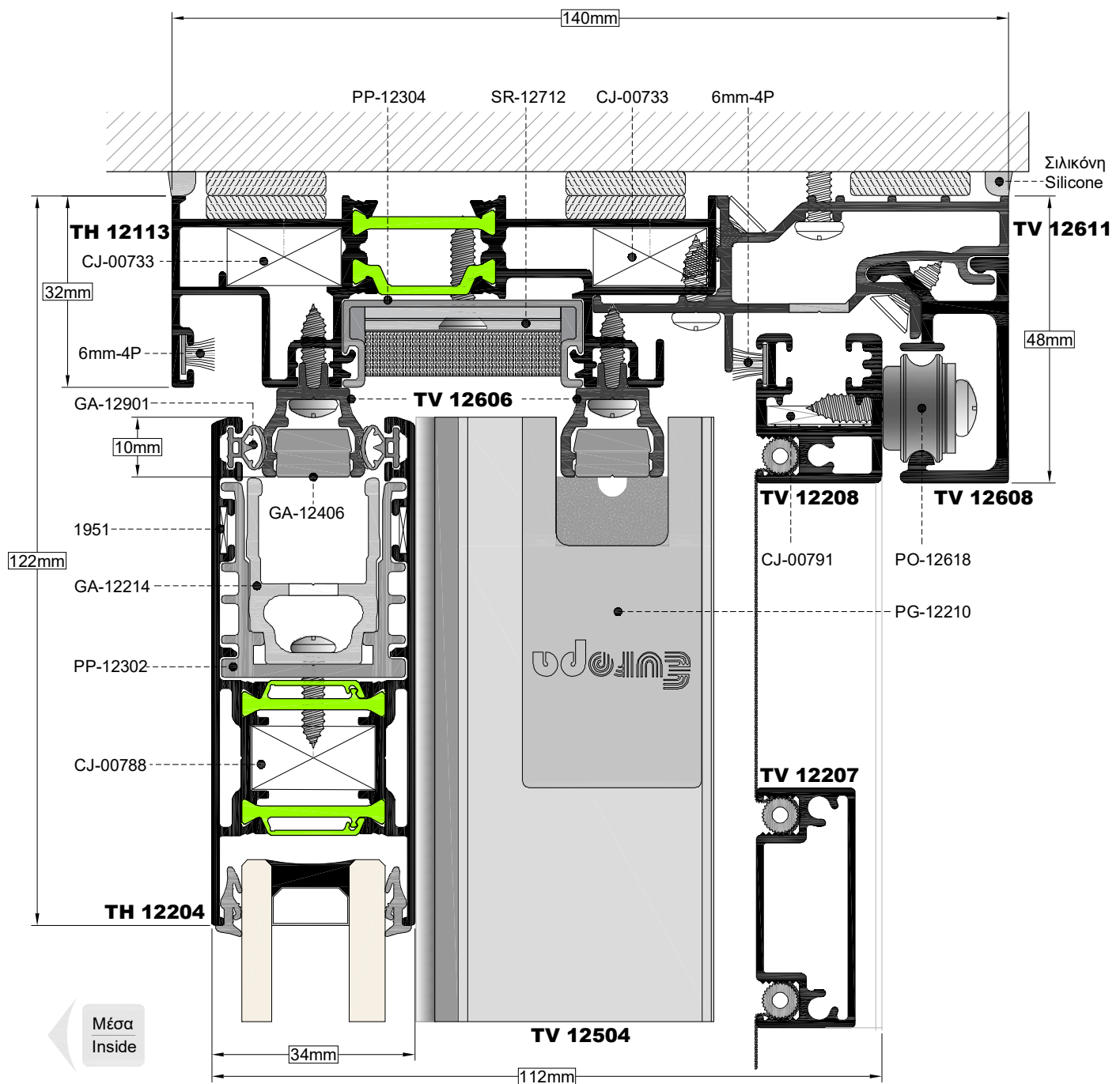
Επάλληλο με κρυφή οσία
Successive with hidden insect screen



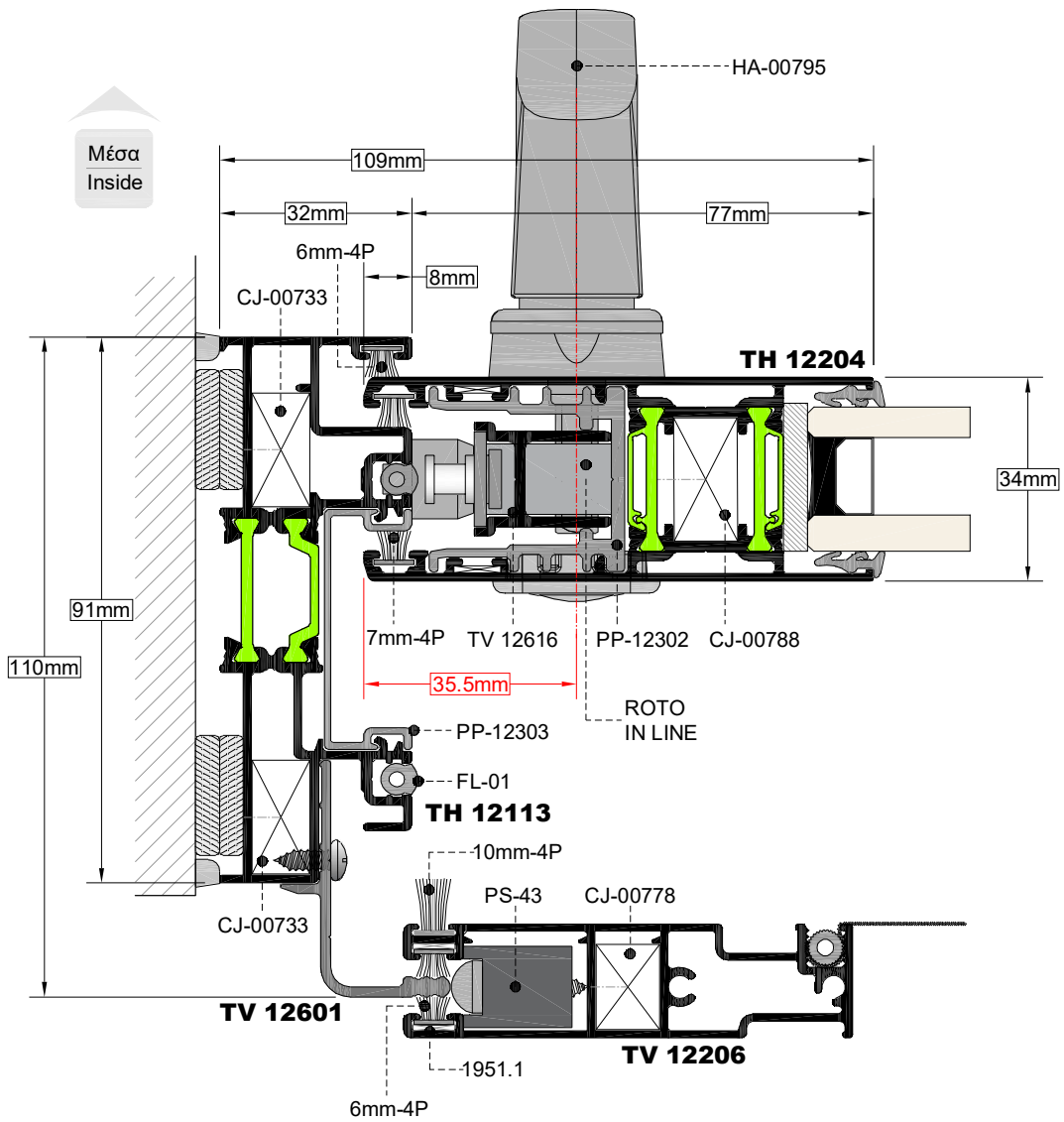
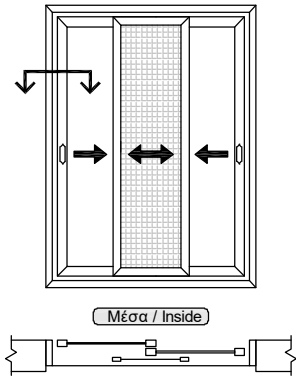
TOMH SECTION 20 ΚΛΙΜΑΚΑ SCALE 1:1



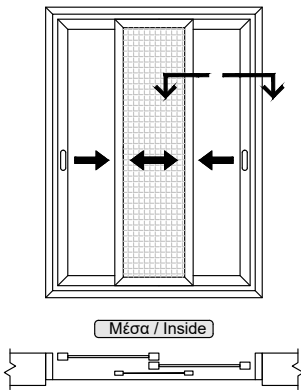
Επάλληλο με κρυφή οθόνη
Successive with hidden insect screen



TOMH
SECTION **21** **ΚΑΙΜΑΚΑ**
SCALE **0,8:1**



ΤΟΜΗ
SECTION **22** **ΚΛΙΜΑΚΑ**
SCALE **0,8:1**



Μέσα
Inside

