Collezione Legno / Alluminio

Collezione Legno / Alluminio

Collezione Legno / Alluminio

Collection Bois / Aluminium

Wood / Aluminium Collection

Collection Bois / Aluminium

Collection Bois / Aluminium

Collection Bois / Aluminium

Collezione Legno / Alluminio

Collection Bois / Aluminium

Collezione Legno / Alluminio

Wood / Aluminium Collection

Collezione Legno / Alluminio

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Wood / Aluminium **Collection**

Collezione Legno / Alluminio

Collection Bois / Aluminium

Collection Bois / Aluminium

Collezione Legno / Alluminio

Wood / Aluminium Collection

Wood / Aluminium Collection

volume® SERRAMENTI

LA **STORIA**

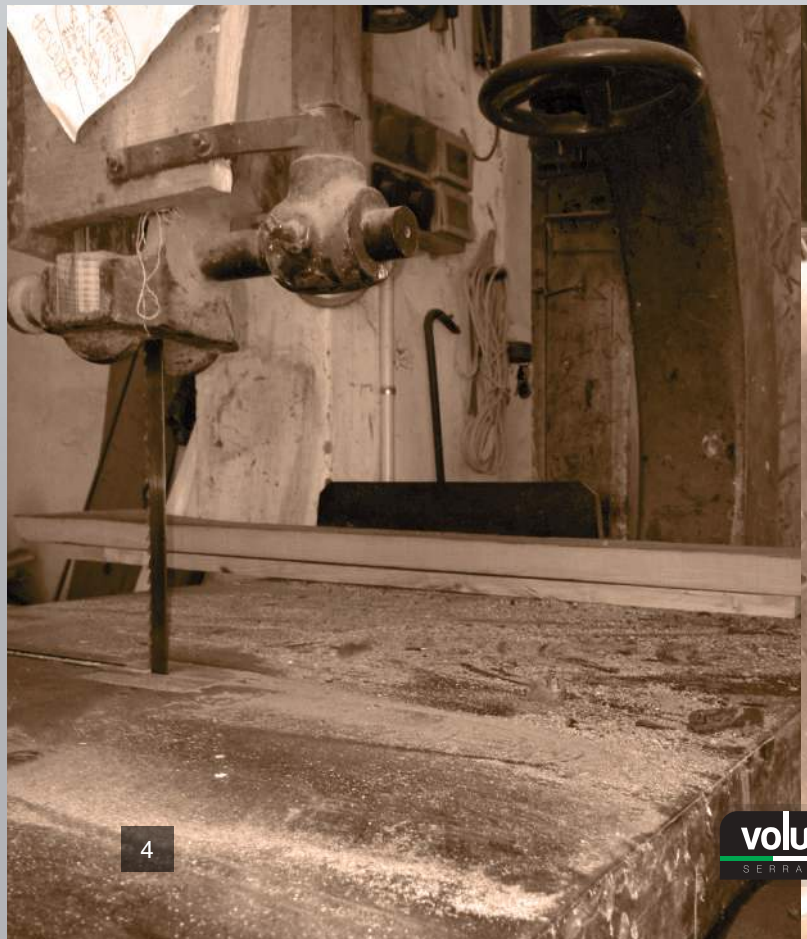
The history
L'histoire

Ernesto Volume

L'azienda nacque nel 1911 a Torre Mondovì, in provincia di Cuneo, quando Francesco Volume, nella piccola bottega casalinga incominciò a lavorare il legno. Verso la metà del secolo il figlio Ernesto raccolse l'eredità del padre e trasmise i segreti del mestiere ai figli Claudio e Francesco, attuali titolari della Volume Serramenti.
Dopo tre generazioni la passione per questo settore si è mantenuta inalterata e improntata alla soddisfazione del cliente.

The company was founded in 1911 in Torre Mondovì, in the province of Cuneo, when Francesco Volume in his small home workshop began to work with wood. Towards the middle of the century his son Ernesto picked up the legacy and passed on the secrets of the trade to his sons Claudio and Francesco, the current owners of Volume Serramenti.
After three generations, the passion for this sector has been maintained and geared to customer satisfaction.

L' Entreprise Volume est née en 1911 à Torre Mondovi, en province de Cuneo, quand Francesco Volume a commencé à travailler le bois dans son petit atelier.
Vers la moitié du siècle dernier son fils Ernesto a recueilli l'héritage de son père et a transmis les secrets du métier à ses fils Claudio et Francesco, les titulaires actuels de la Volume Serramenti.
Après trois générations , la passion pour ce secteur s'est maintenue inaltérée et s'est caractérisée pour la satisfaction du client.



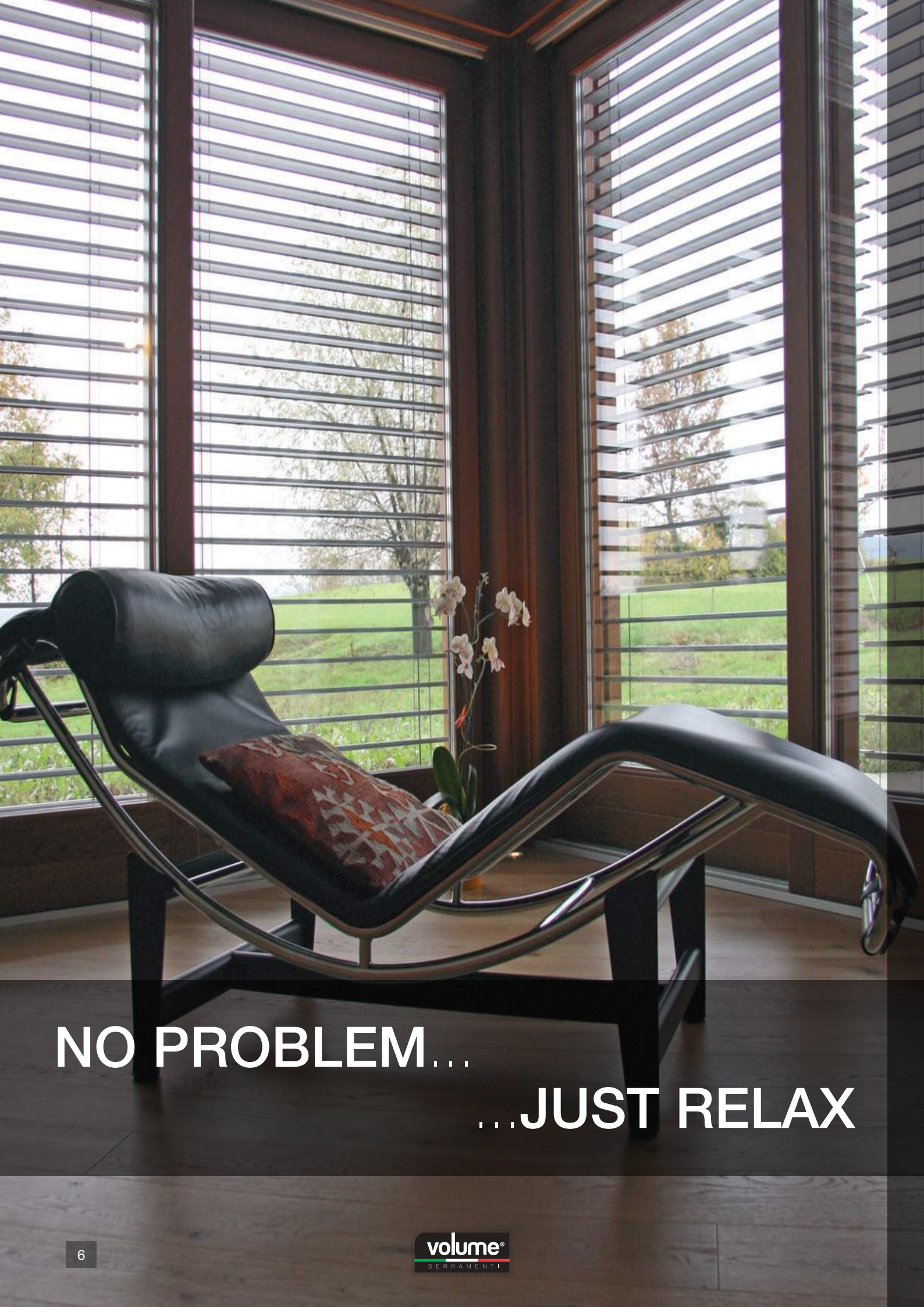
L'AZIENDA

The company
L'entreprise

Trasferitasi negli anni dalla sede originale a quella attuale, nella città di Mondovì, in provincia di Cuneo, la Volume Serramenti si è specializzata nella produzione di serramenti e porte d'ingresso in legno, legno/alluminio e legno/bronzo e porte interne in legno. La mission aziendale è di ricercare costantemente la massima qualità dei prodotti sul mercato per fornire al cliente lavorazioni di altissima qualità, certificate e conformi agli standard internazionali. Una peculiarità della nostra azienda è la capacità di conciliare i macchinari tecnologicamente avanzati con le lavorazioni artigianali del passato.
I prodotti sono realizzati nel massimo rispetto dell'ambiente con legni soggetti a riforestazione programmata e finiti con vernici ad acqua.

The company moved over the years from the original location to the current one, in the Town of Mondovì, in the province of Cuneo. Volume Serramenti is specialized in the production of doors and windows, front doors in wood, wood/aluminium and wood/bronze and internal wooden doors. The company's mission is to constantly look for the highest quality products on the market to provide customers with the highest quality workmanship, which is certified and conforms to international standards. A speciality of our company is the ability to reconcilie technologically advanced machinery with the craftsmanship of the past.
The products are made with the utmost respect for the environment using woods belonging to reforestation programs and finished with water-based paints.

Ils se sont transférés dans le siège actuel qui se trouve dans la ville de Mondovi en Province de Cuneo. Volume Serramenti s'est spécialisée dans la production de fenêtres, portes d'entrée en bois, en bois/aluminium et en bois/Bronze et portes d'intérieur en bois. La mission de l'entreprise est de rechercher constamment le maximum de la qualité des produits sur le marché pour fournir aux clients de la fabrication de haute gamme certifiée et conforme aux standards internationaux.
Une particularité de notre entreprise est la capacité de concilier les machines technologiquement avancées avec la fabrication artisanale du passé. Les produits sont réalisés en respectant au maximum l'environnement avec des bois sujets à reboisement programmés et finis avec des peintures à l'eau.



NO PROBLEM…

…JUST RELAX

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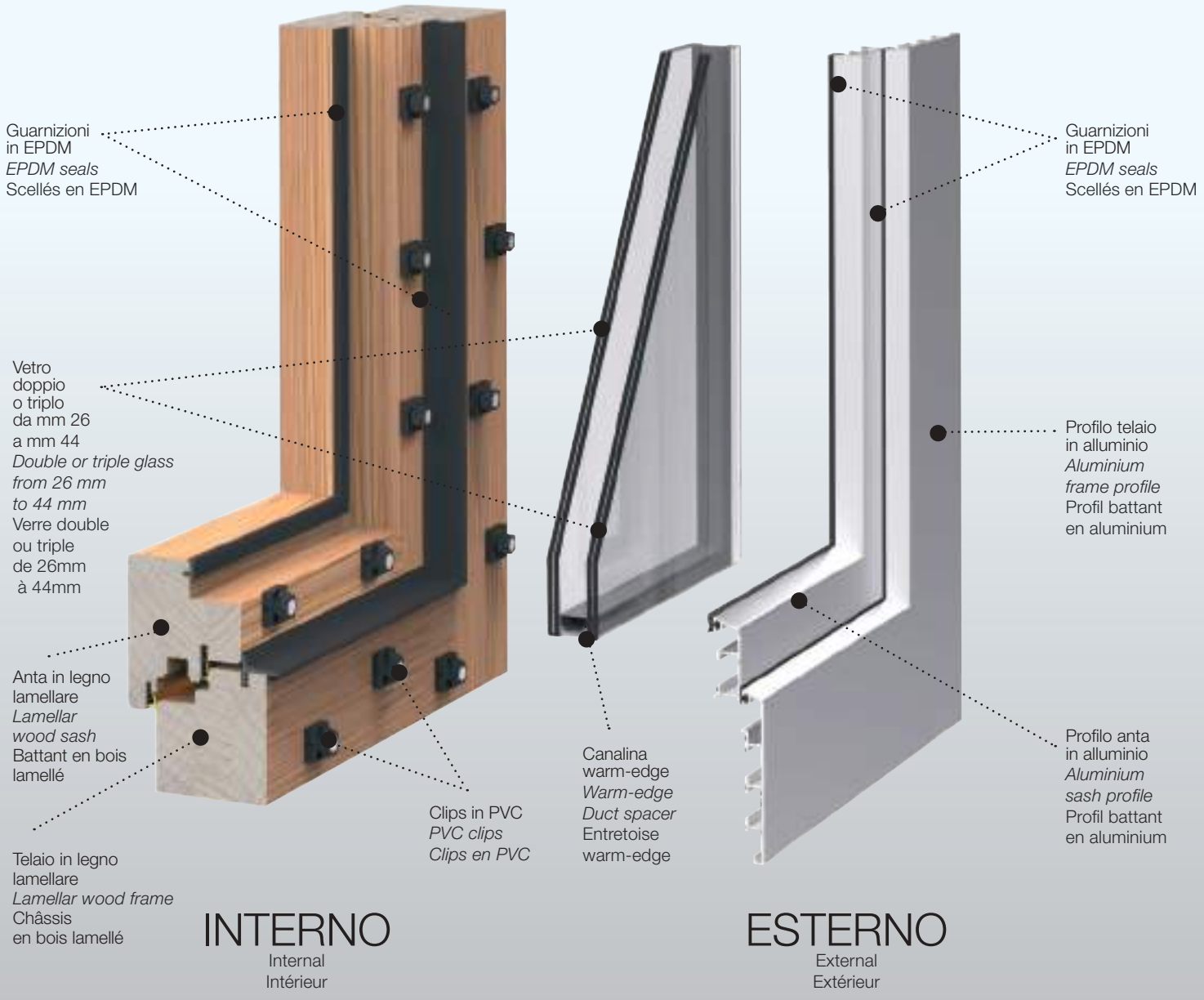
IL SISTEMA **LEGNO / ALLUMINIO**

Uw 1,2 W/m²K

Wood / aluminium system
Système bois / aluminium



Il sistema serramenti legno/alluminio Volume è studiato per soddisfare sia l'esigenza dell'assenza di manutenzione sul lato esterno che quella del fascino e del calore del legno all'interno dell'edificio.
La vasta gamma di profili esterni in alluminio consente l'integrazione del serramento in tutti gli stili architettonici ed ognuno di essi può essere abbinato all'interno in legno (19 tipi di legni) con 4 profili standard (oppure su disegno del cliente).

Volume's wood/aluminium doors and windows aim to satisfy the taste for warmth and glamour on the inside without the need of maintenance on the outside.
The wide range of external aluminium profiles allows the production of doors and windows of any architectural style and Each one can be matched to the wooden interior (19 different types) wich has 4 standard profiles (or according to the custumer's design).

Le système des portes et fenêtres bois/aluminium Volume est étudié pour satisfaire soit l'exigence de l'absence de manutention du côté extérieur soit le charme et de la chaleur du bois à l'intérieur de l'édifice. La vaste gamme des profils externes en aluminium consent l'intégration dans tous les styles architecturaux et chacun d'eux peuvent être adaptés à l'intérieur en bois (19 types de bois) avec 4 profils standard (ou bien selon le dessin du client).

COLLEZIONE **LEGNO / ALLUMINIO**

Wood / aluminium collection
Collection bois / aluminium

SISTEMA
CLASSICO

Classic system
Système classique

Design moderno e linee squadrate

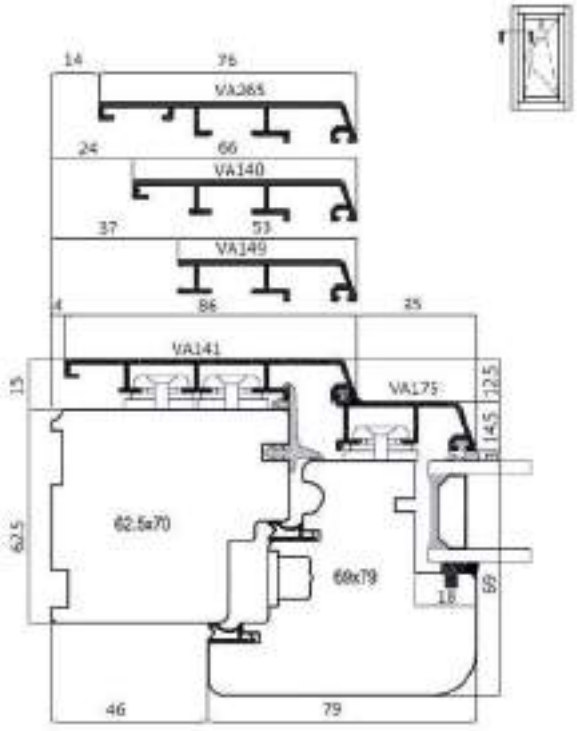
Modern design and squared lines

Design moderne et lignes carrées

Disegni tecnici - Sistema **Classico**

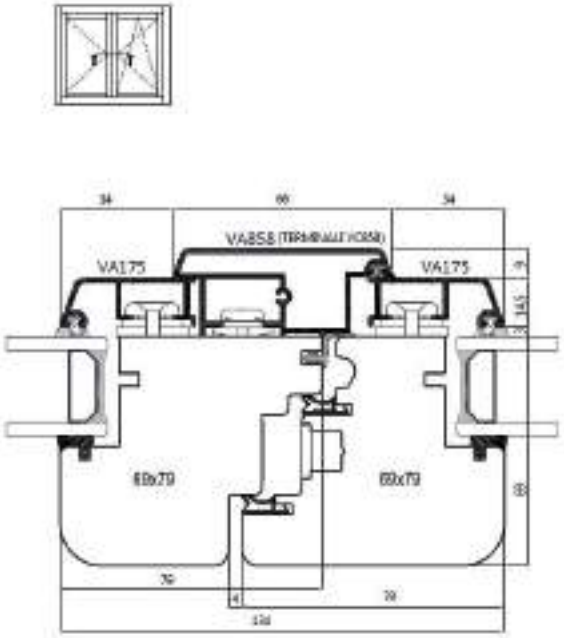
Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



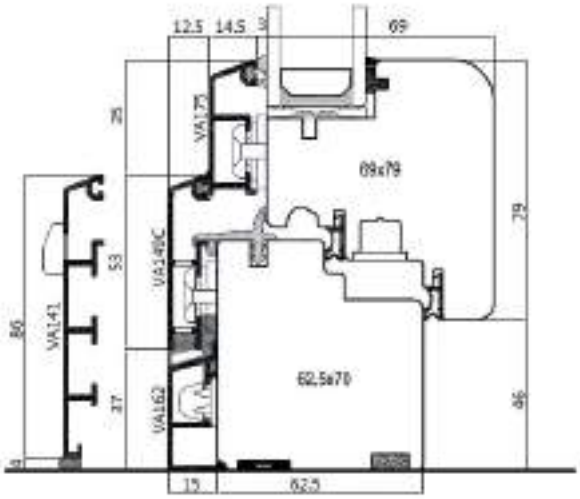
Sezione orizzontale montante laterale
Horizontal section of the lateral stile
Section horizontale montant latéral

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



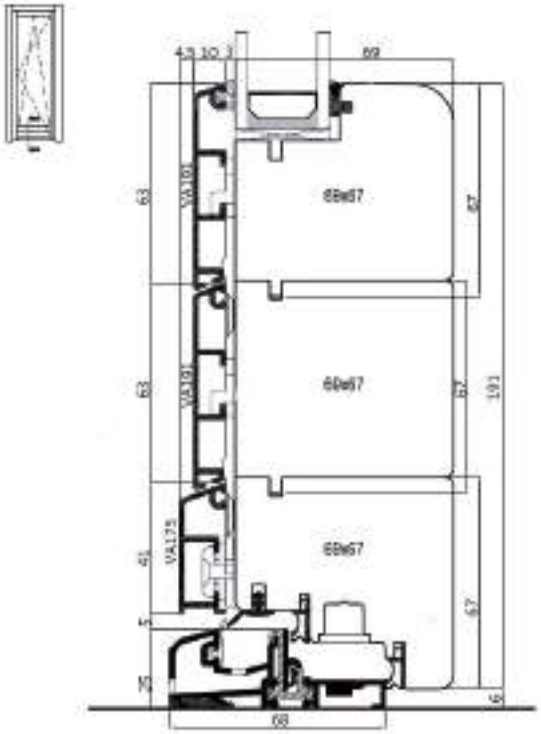
Sezione orizzontale chiusura centrale
Horizontal section of the central beking system
Section horizontale fermeture centrale

Finestra
Window
Fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Porta finestra
French Window
Porte-fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

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COLLEZIONE **LEGNO / ALLUMINIO**

Wood / aluminium collection
Collection bois / aluminium

SISTEMA **TONDO**

Round system
Système arrondi

Design morbido e linee arrotondate

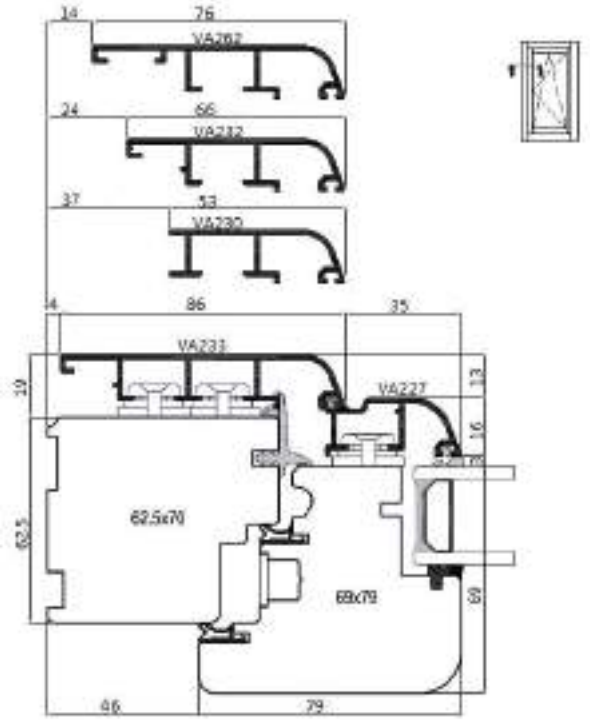
Fine design and smooth, rounded lines

Design harmonieux et lignes arrondies

Disegni tecnici - Sistema **Tondo**

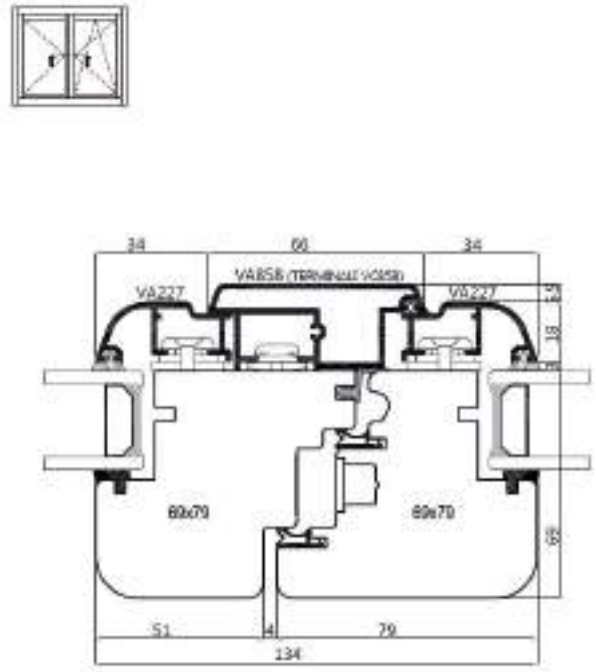
Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



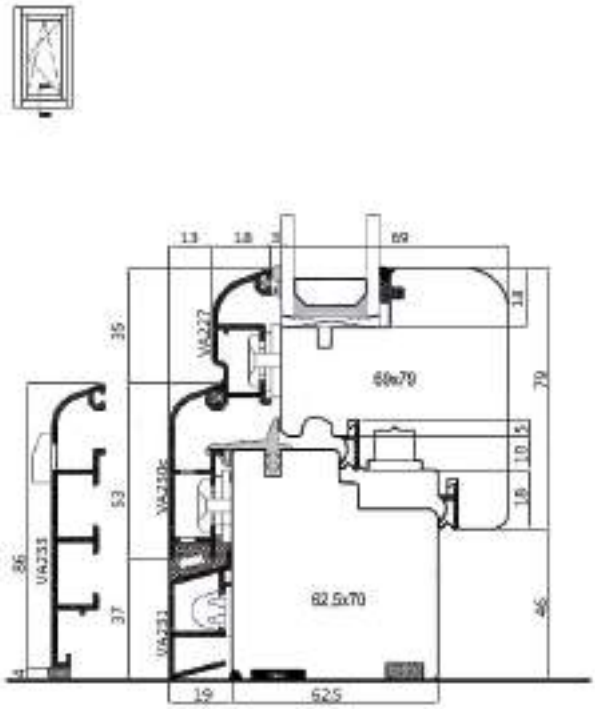
Sezione orizzontale montante laterale
Horizontal section of the lateral stile
Section horizontale montant latéral

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



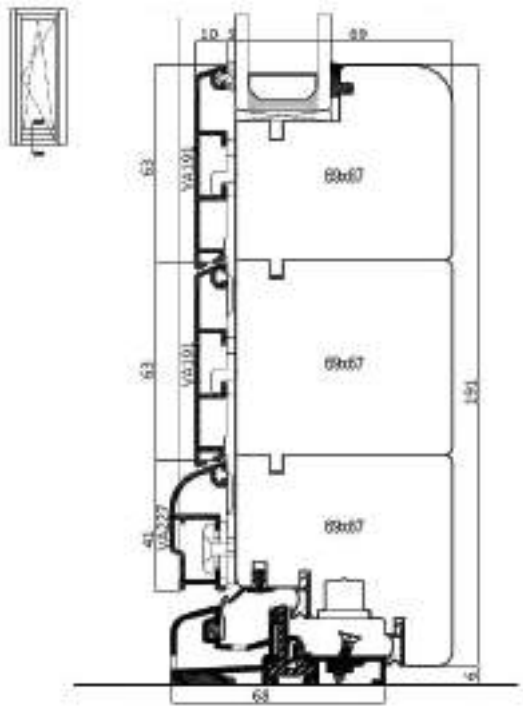
Sezione orizzontale chiusura centrale
Horizontal section of the central beking system
Section horizontale fermeture centrale

Finestra
Window
Fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Porta finestra
French Window
Porte-fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

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SISTEMA
RESTAURO
Restoration system
Système restauration

Design antico e geometrie del passato

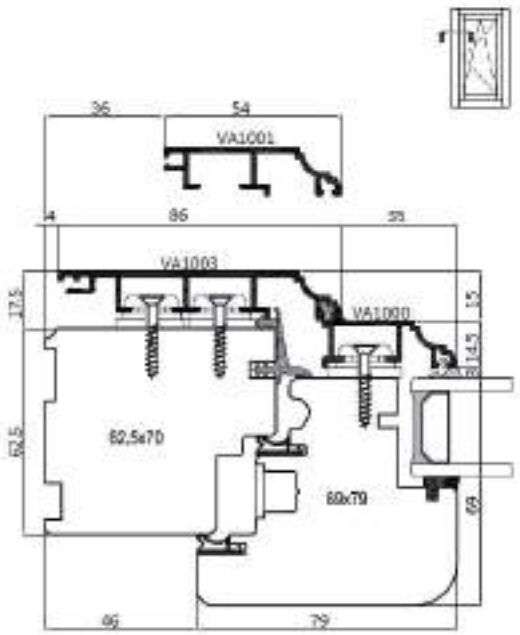
Old design and antique lines

Design antique et géométries du passé

Disegni tecnici - Sistema Restauro

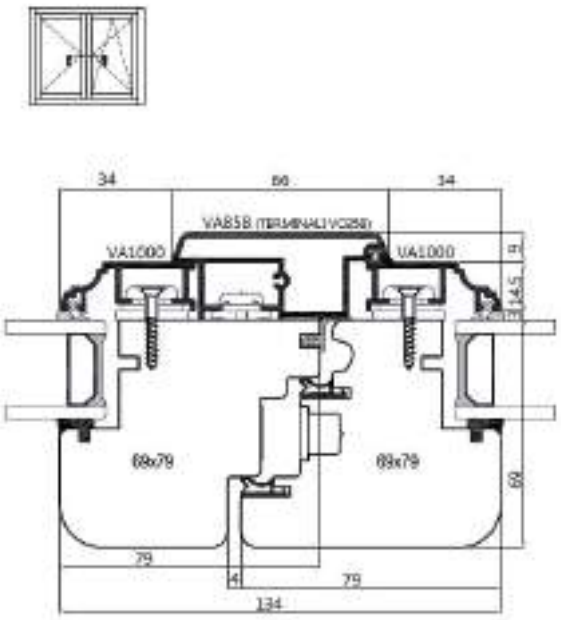
Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



Sezione orizzontale montante laterale
Horizontal section of the lateral stile
Section horizontale montant latéral

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



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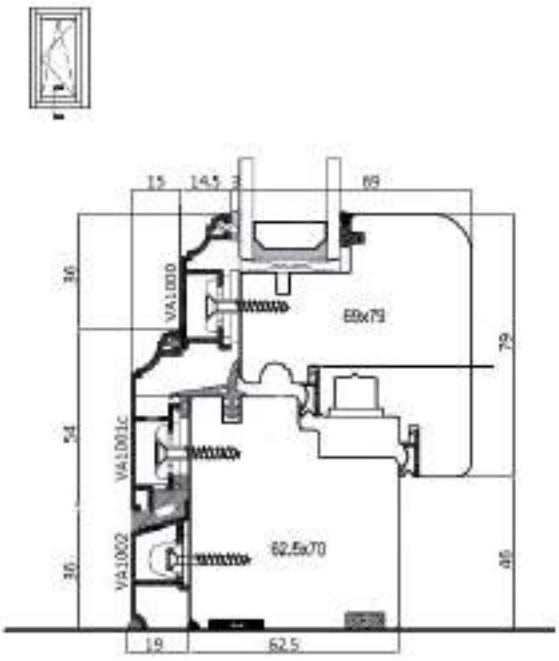
Section horizontale fermeture centrale

Finestra
Window
Fenêtre



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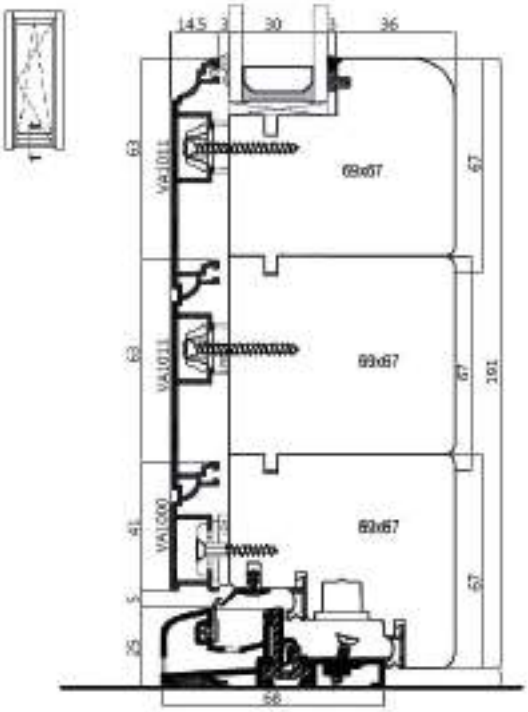
Porte-fenêtre



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COLLEZIONE **LEGNO / ALLUMINIO**

Wood / aluminium collection
Collection bois / aluminium

SISTEMA **LUCE**

Light system
Système Lumière

Design essenziale, consente la massima luminosità

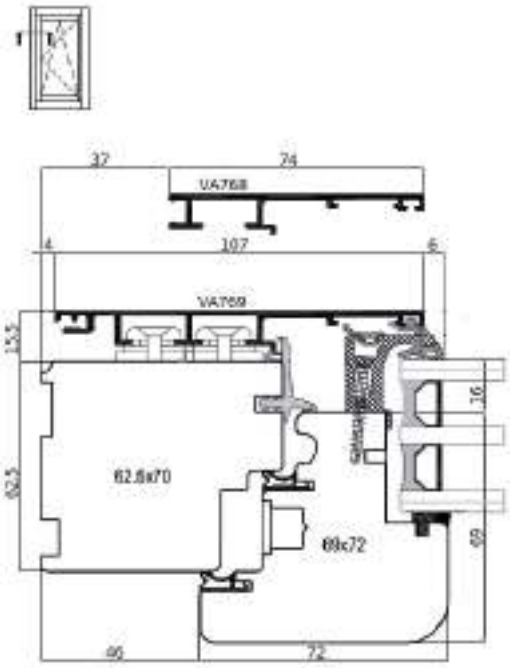
Essential design, maximum brightness allowed

Design essentiel, il permet une luminosité optimale

Disegni tecnici - Sistema **Luce**

Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



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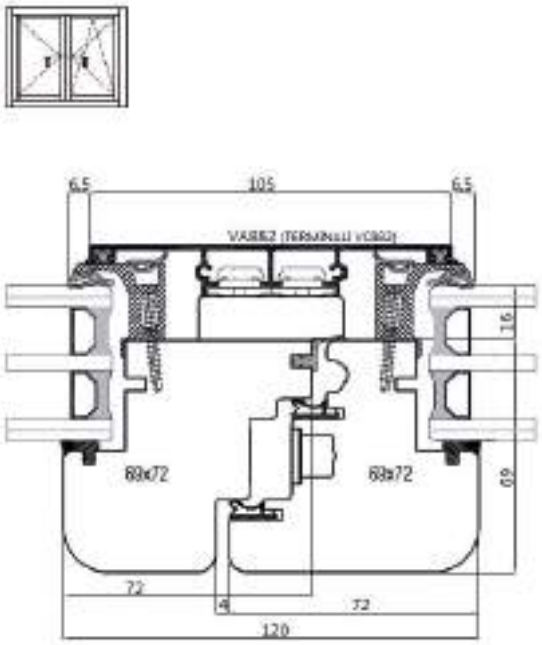
Fenêtre - Porte-fenêtre



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Finestra
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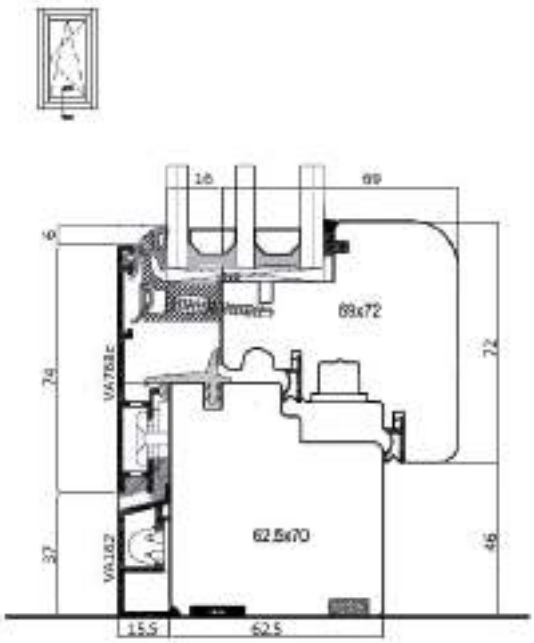

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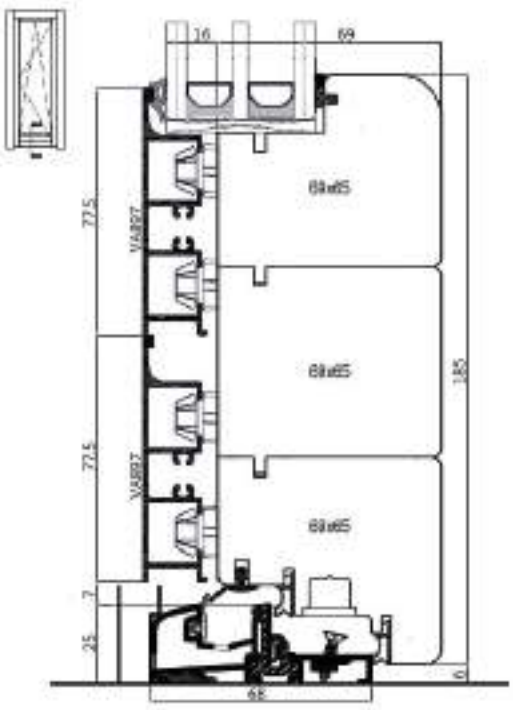
French Window
Porte-fenêtre



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COLLEZIONE **LEGNO / ALLUMINIO**

Wood / aluminium collection
Collection bois / aluminium

SISTEMA
COMPLANARE

Coplanar design
Système complanaire

Design rigoroso e lineare, i profili del telaio e dell'anta sono complanari fra loro

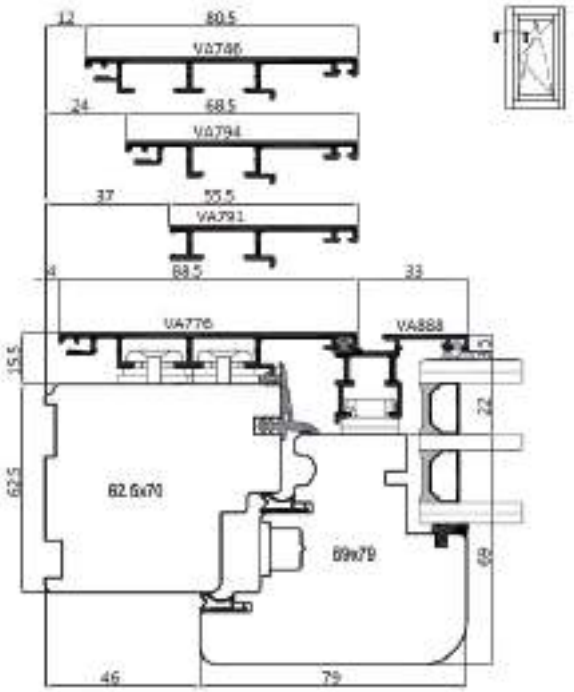
Linear, precise design, with coplanar frame and sash profiles

Design rigoureux, les profils du châssis et battant sont sur le même plan

Disegni tecnici - Sistema **Complanare**

Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



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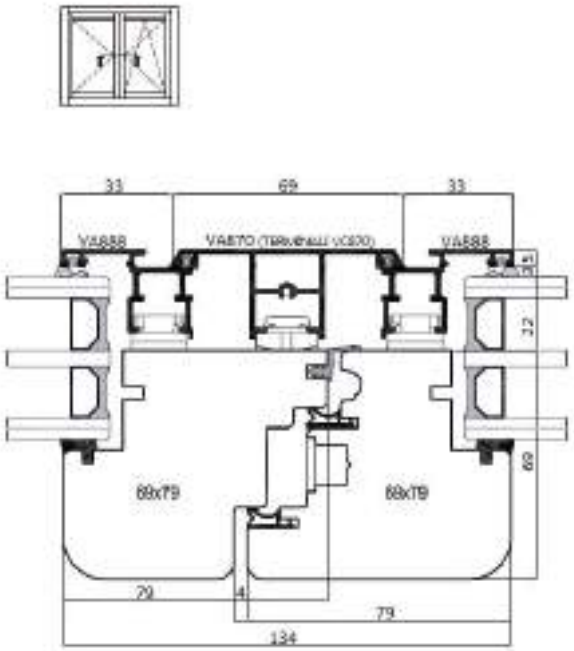

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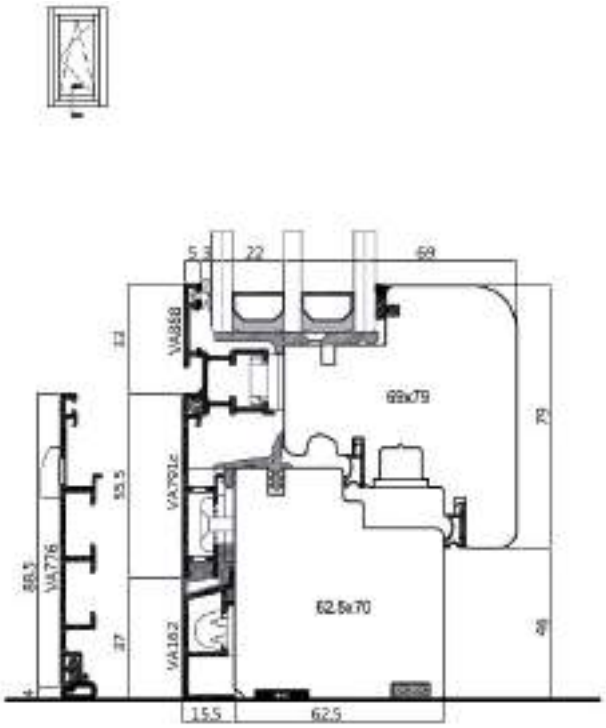
Finestra
Window
Fenêtre



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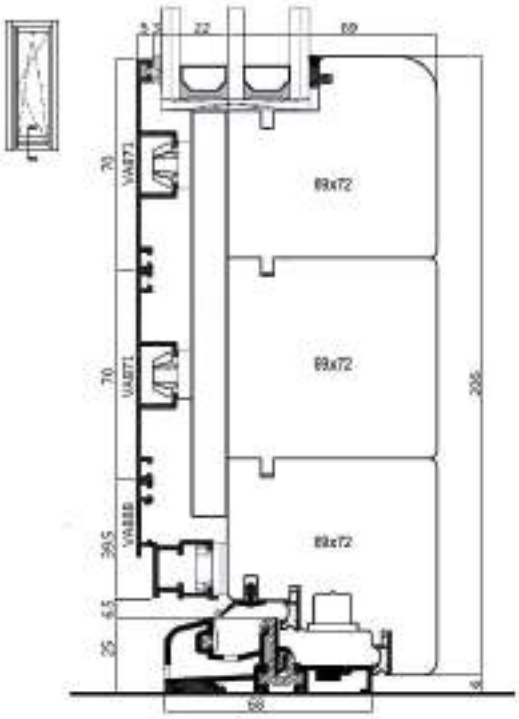
Porte-fenêtre



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COLLEZIONE **LEGNO / ALLUMINIO**

Wood / aluminium collection
Collection bois / aluminium

SISTEMA
COMPLANARE CLASSICO

Classic coplanar system
Système complanaire classique

Design moderno e linee squadrate, i profili del telaio e dell'anta sono complanari fra loro

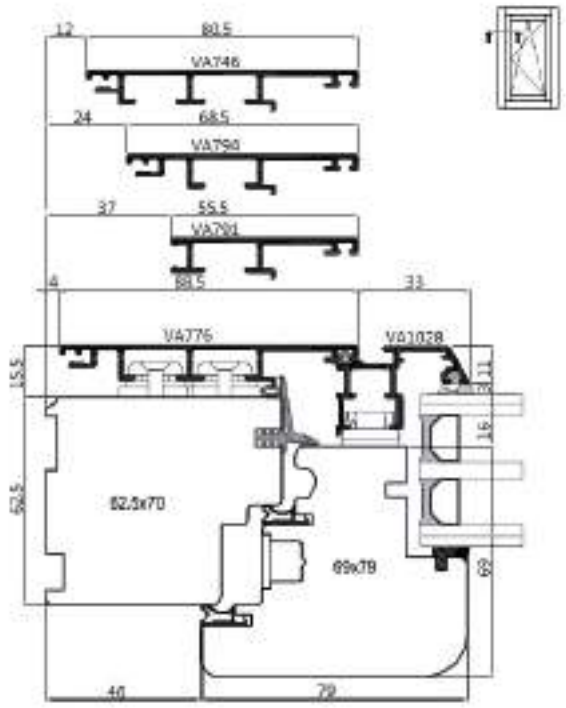
Modern design and squared lines, the frame and sash profiles are coplanar

Design moderne et lignes carrées, les profils du châssis et battant sont sur le même plan

Disegni tecnici - Sistema Complanare classico

Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



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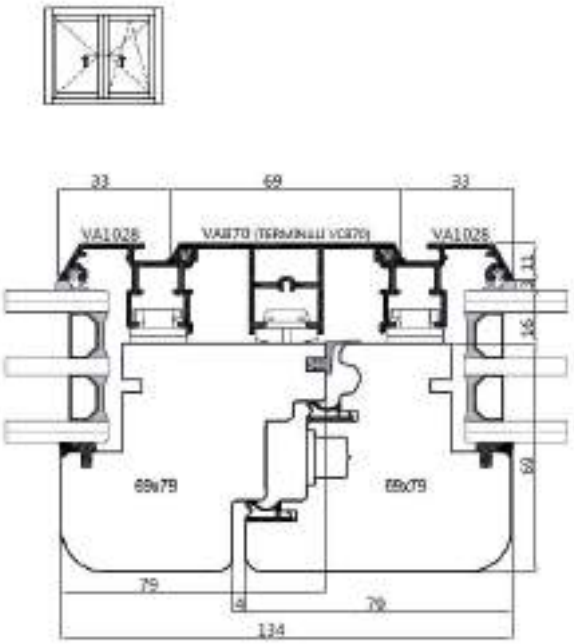

Sezione orizzontale chiusura centrale
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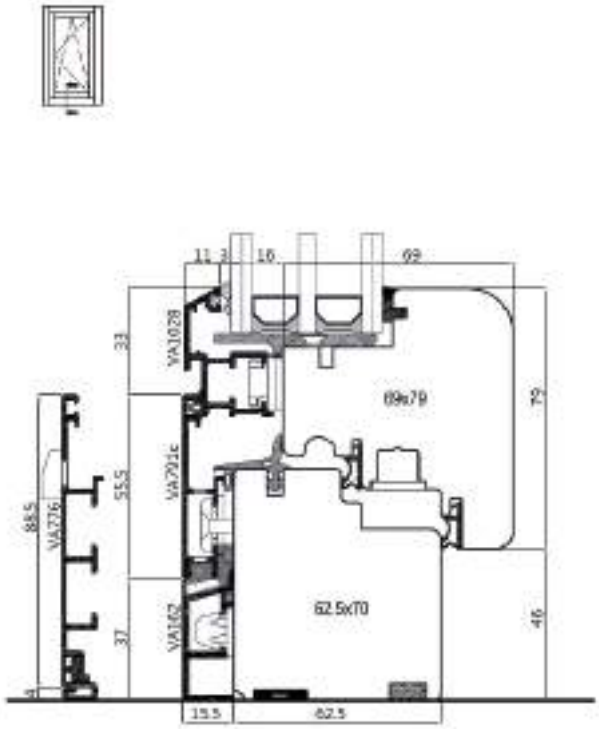
Section horizontale fermeture centrale

Finestra
Window
Fenêtre



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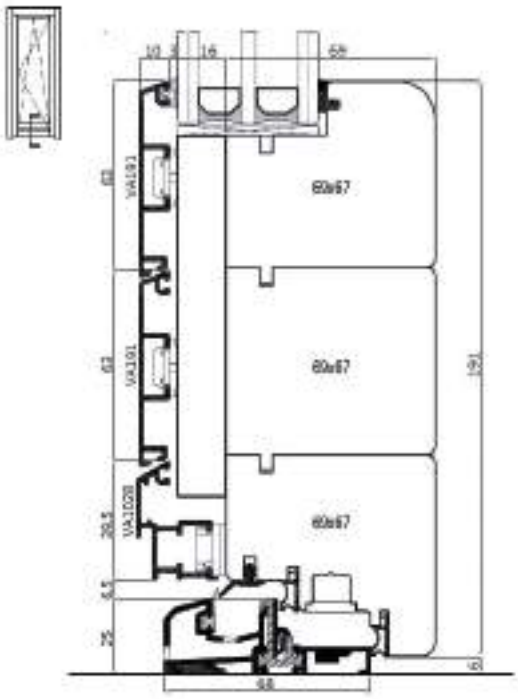
Porte-fenêtre

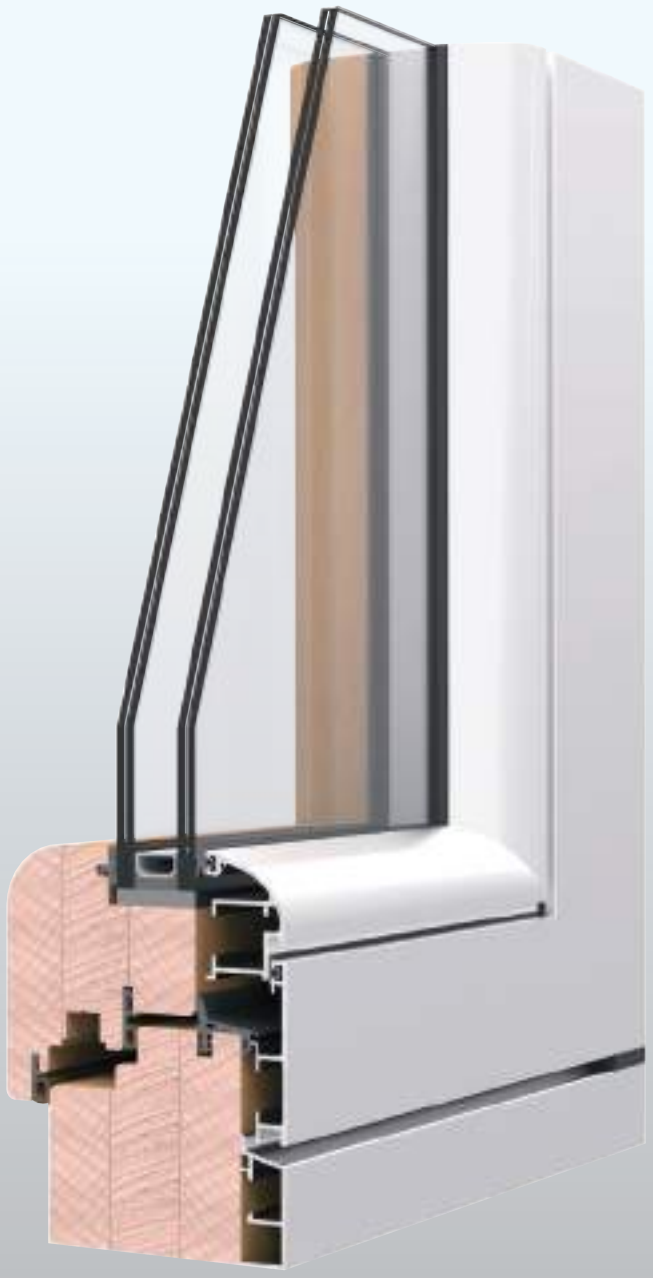


Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Copyright: Volume Design

COLLEZIONE **LEGNO / ALLUMINIO**

Wood / aluminium collection
Collection bois / aluminium



SISTEMA
COMPLANARE TONDO

Round coplanar system
Système complanaire arrondi

Design arrotondato, i profili del telaio e dell'anta sono complanari fra loro

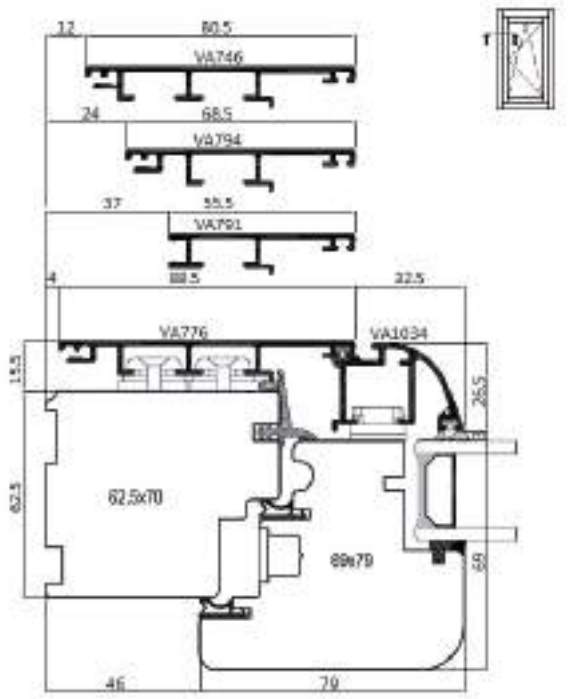
Rounded design , the profiles of the frame and the sash are coplanar

Design arrondi, les profils du châssis et battant sur le même plan

Disegni tecnici - Sistema **Complanare Tondo**

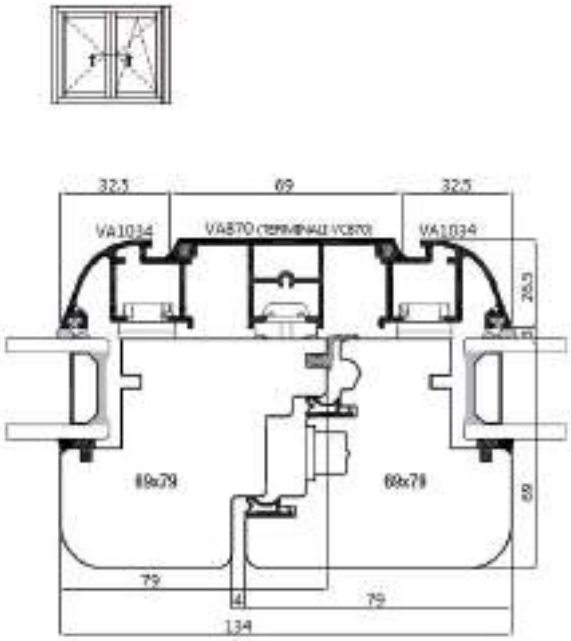
Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



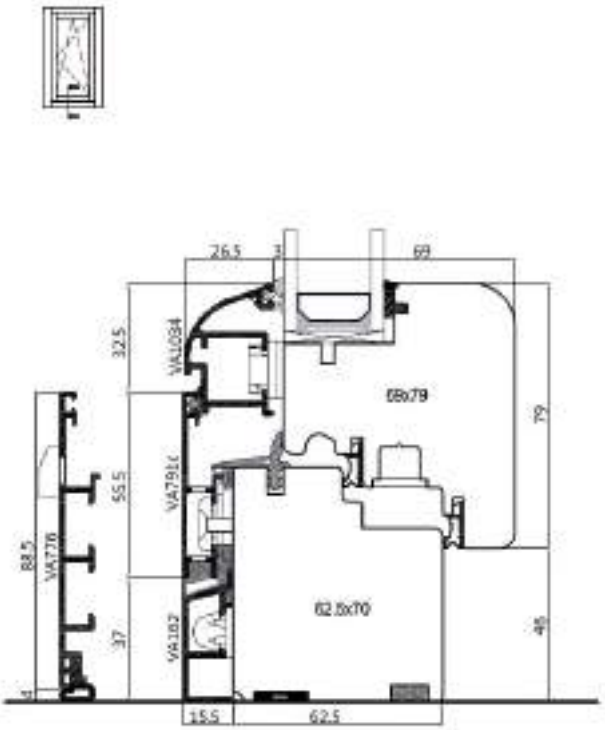
Sezione orizzontale montante laterale
Horizontal section of the lateral stile
Section horizontale montant latéral

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



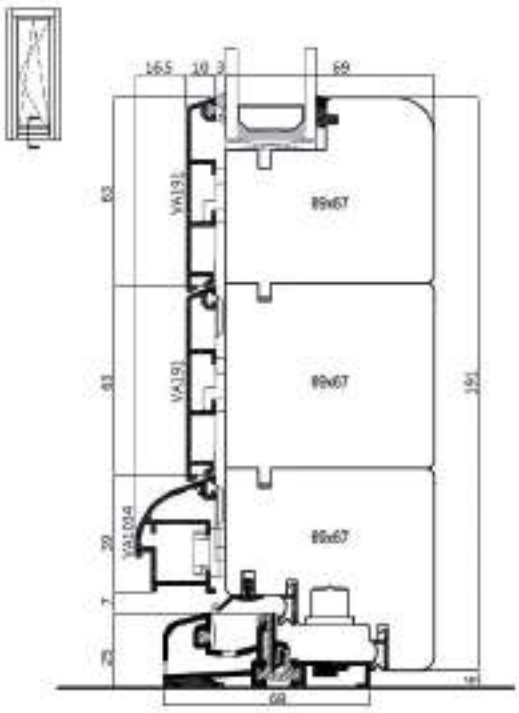
Sezione orizzontale chiusura centrale
Horizontal section of the central beking system
Section horizontale fermeture centrale

Finestra
Window
Fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Porta finestra
French Window
Porte-fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

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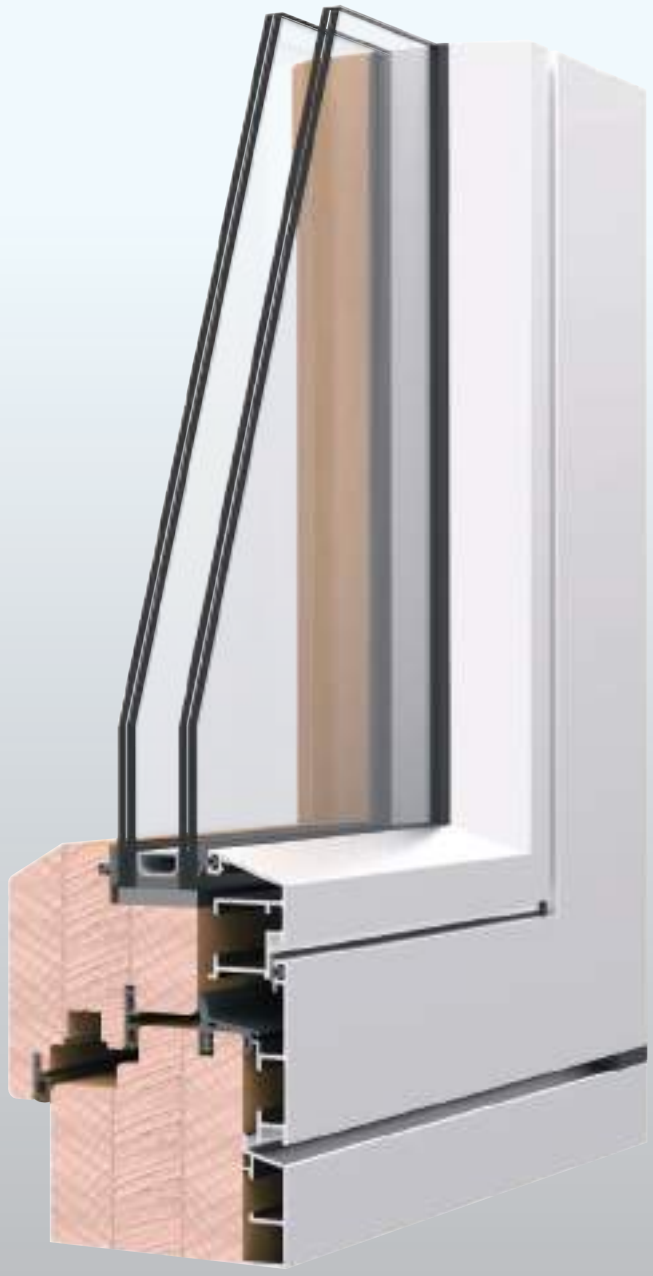
Wood / aluminium collection
Collection bois / aluminium



SISTEMA
COMPLANARE INCLINATO

Coplanar sloping system
Système complanaire incliné

Design a taglio netto,i profili del telaio e dell'anta sono complanari fra loro

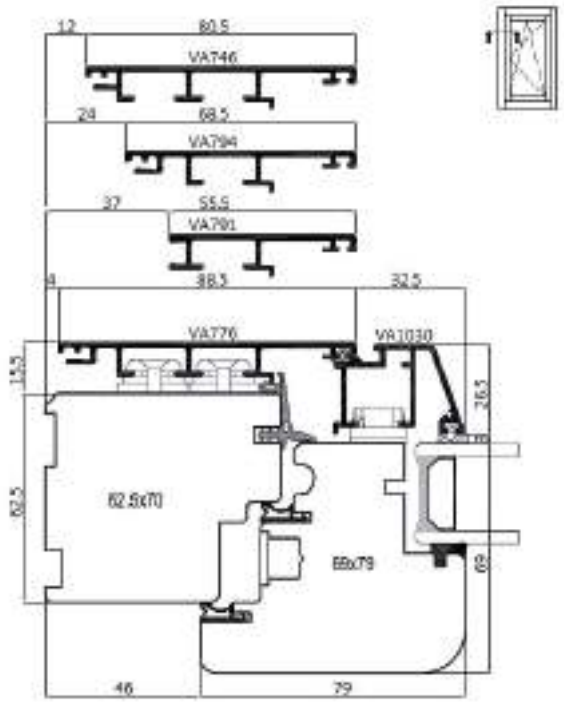
Clean cut design, with coplanar frame and sash profiles

Design moderne et lignes carrées, les profils du châssis et battant sur le même plan

Disegni tecnici - Sistema Complanare Inclinato

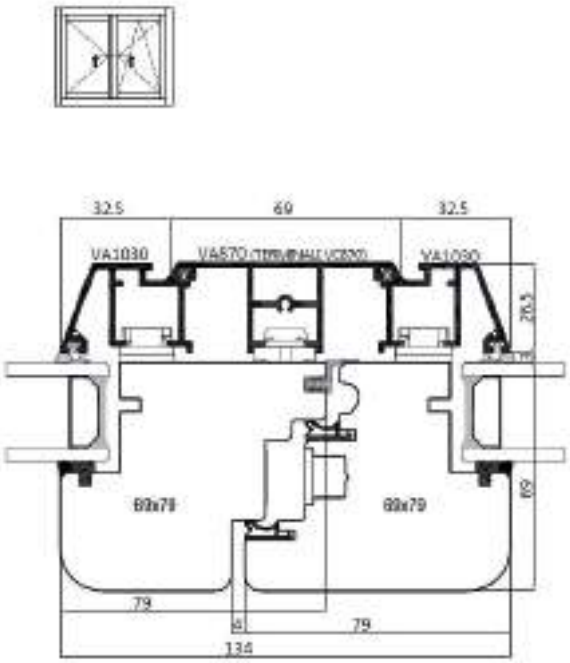
Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



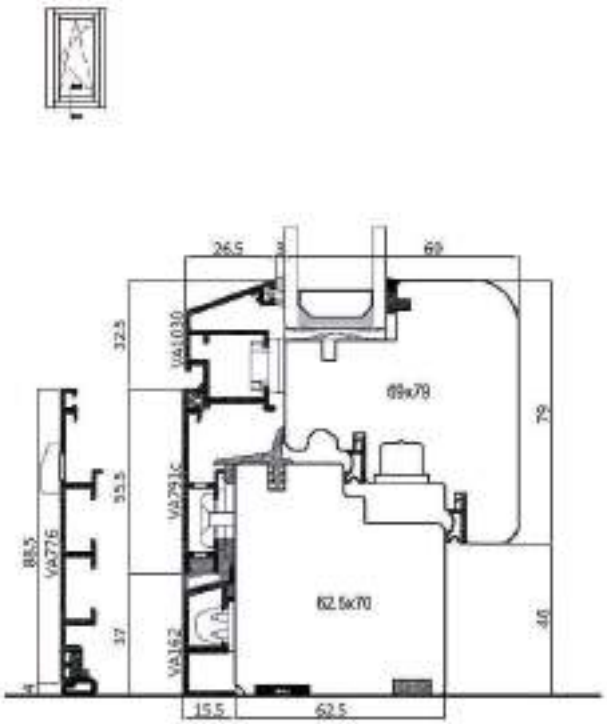
Sezione orizzontale montante laterale
Horizontal section of the lateral stile
Section horizontale montant latéral

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



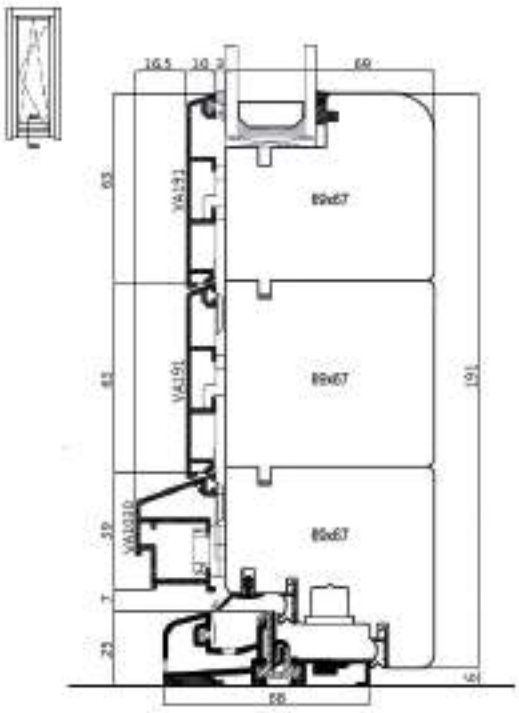
Sezione orizzontale chiusura centrale
Horizontal section of the central beking system
Section horizontale fermeture centrale

Finestra
Window
Fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Porta finestra
French Window
Porte-fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Copyright: Volume Design

COLLEZIONE **LEGNO / ALLUMINIO**

Wood / aluminium collection
Collection bois / aluminium

SISTEMA **VETRO**

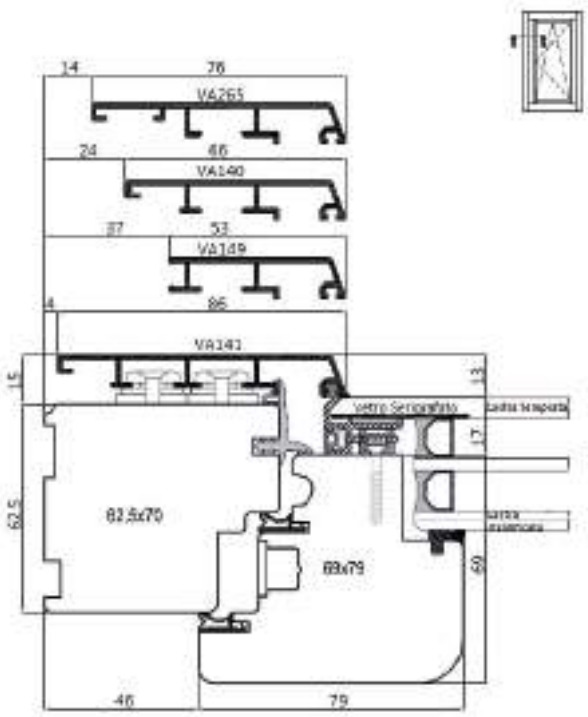
Glass system
Système verre

- Design contemporaneo ed essenziale con lastra esterna di vetro a sbalzo
- *Contemporary and essential design with external embossed glass*
- Design contemporain et essentiel avec verre en relief

Disegni tecnici - Sistema **Vetro**

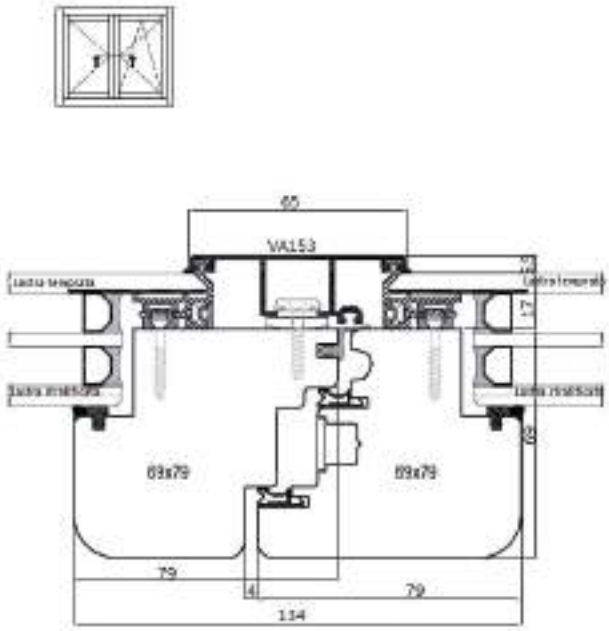
Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



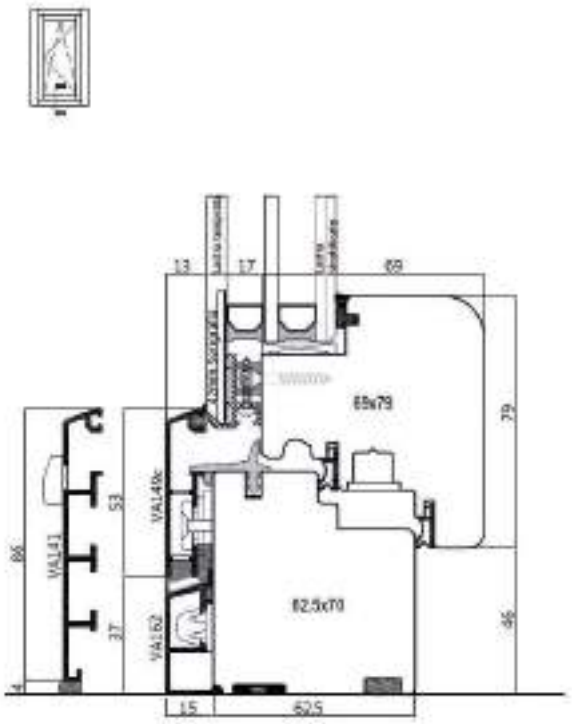
Sezione orizzontale montante laterale
Horizontal section of the lateral stile
Section horizontale montant latéral

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



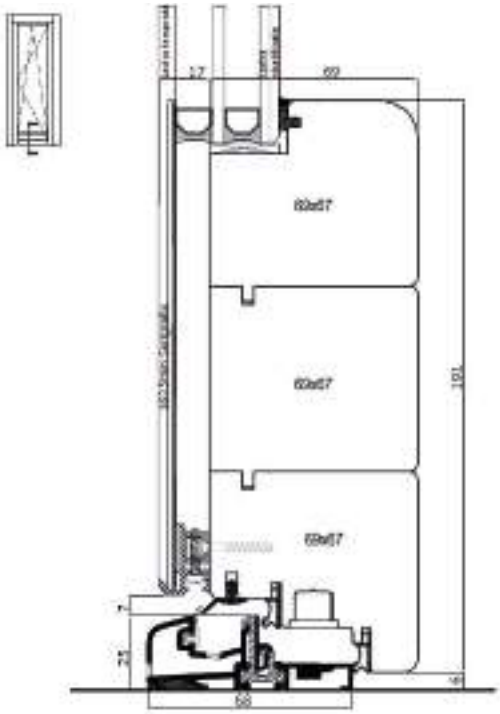
Sezione orizzontale chiusura centrale
Horizontal section of the central beking system
Section horizontale fermeture centrale

Finestra
Window
Fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Porta finestra
French Window
Porte-fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Copyright: Volume Design

SISTEMA
COMPLANARE VENEZIANO
Venetian complanar system
Système complanaire vénitien

Design rigoroso e lineare, con l'inserimento di una tenda veneziana nel vetro camera esterno dell'anta

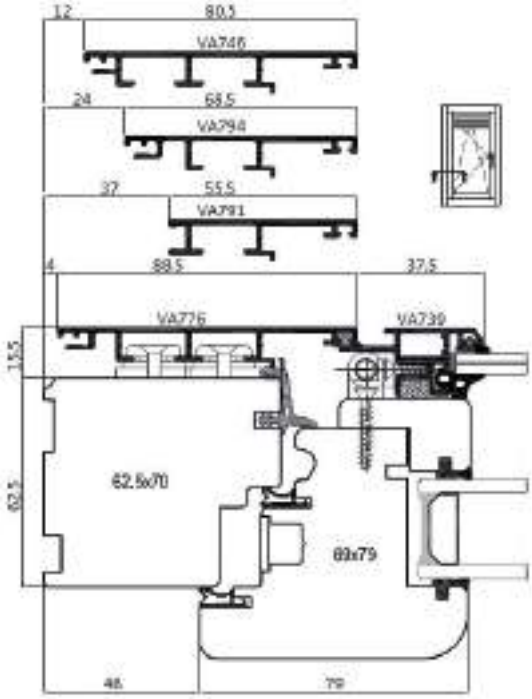
Linear and precise design, with a venetian blind between the second and the third glass

Design rigoureux, avec un store vénitien entre le second et le troisième verre

Disegni tecnici - Sistema Complanare Veneziano

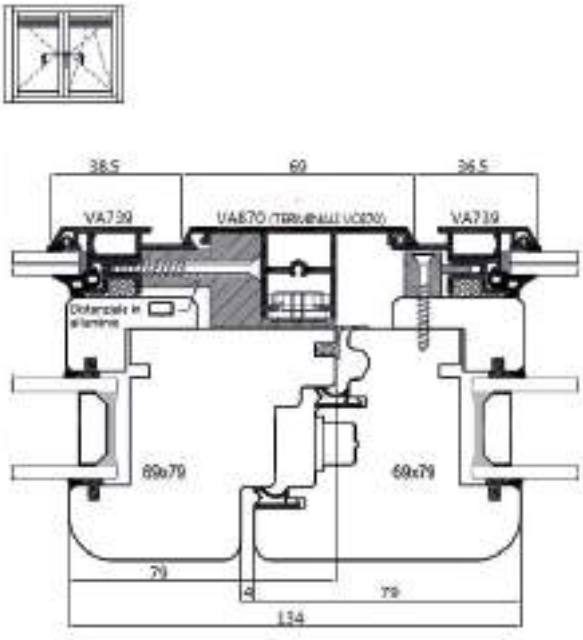
Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



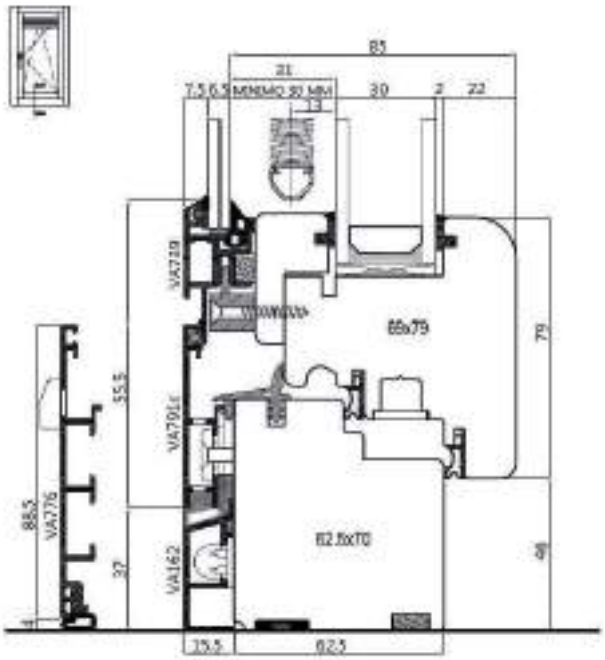
Sezione orizzontale montante laterale
Horizontal section of the lateral stile
Section horizontale montant latéral

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



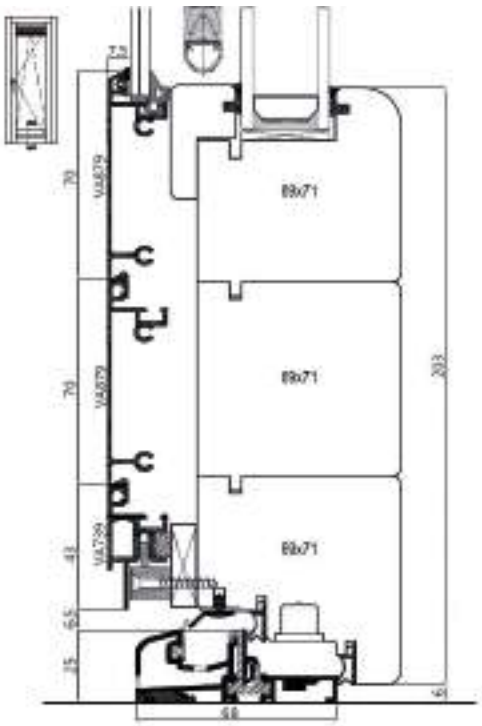
Sezione orizzontale chiusura centrale
Horizontal section of the central beking system
Section horizontale fermeture centrale

Finestra
Window
Fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Porta finestra
French Window
Porte-fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Copyright: Volume Design

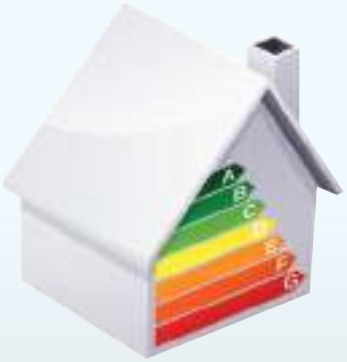
Scheda tecnica - Sistema **Complanare veneziano**

Data sheet / Fiche technique

Elevato risparmio energetico con valore di trasmittanza termica:

High energy saving, with a thermal conductivity value of:

Excellente économie d'énergie, avec une valeur de conduction thermique de:



$U_w = 1,0\ W/(m^2K)$

Il serramento Veneziano è ideale per:
- Edilizia residenziale;
- Scolastica;
- Commerciale;
- Sanitaria.

The Venetian window is ideal for:
- *Residential buildings;*
- *Schools;*
- *Businesses;*
- *Health care centres.*

La fenêtre vénitienne est idéale pour:
- Batiments résidentiels
- Scolaires
- Commerciaux
- Sanitaires

I BENEFICI

THE BENEFITS
LES BENEFICES

- Migliora notevolmente l'isolamento acustico (grazie al vetro aggiunto all'esterno).
- Migliora l'isolamento termico (non trasmette calore all'interno dell'ambiente).
- L'elemento oscurante è protetto dalla polvere.
- La luce viene gradevolmente filtrata, con comando manuale o elettrico (orientabile ed elevabile).
- La manutenzione è facilitata dalla possibilità di aprire il telaietto.
- I costi sono contenuti.
- È possibile l'abbinamento del colore dell'elemento oscurante con il telaio in alluminio esterno.
- Migliora l'estetica del serramento (tutti gli accessori sono a scomparsa).
- Sostituisce interamente l'uso della tenda per il filtraggio della luce o dei sistemi oscuranti.

- *Significantly improves sound insulation (thanks to the extra layer of glass on the outside).*
- *Improves thermal insulation (does not transfer heat inside the building).*
- *The blinds are protected from dust.*
- *Light is pleasantly filtered, with manual or electronic controls (the blinds can be raised, lowered or tilted).*
- *Maintenance is easy because the frame can be opened.*
- *Moderate costs.*
- *The colour of the blinds can be matched to the external aluminium frame.*
- *Enhances the appearance of the window (all accessories are hidden).*
- *Completelyreplaces curtains.*

- Améliore considérablement l'isolation acoustique (grâce à la vitre ajoutée à l'extérieur).
- Améliore l'isolation thermique (ne transmet pas la chaleur de l'environnement).
- L'élément est protégée contre obscurcissement de la poussière.
- La lumière est filtrée bien, avec le manuel ou électrique
(pivotant et élévation).
- La maintenance est facilitée par la possibilité d'ouvrir le châssis.
- Les coûts sont contenues.
- Vous pouvez faire correspondre la couleur de l'ombrage du cadre extérieur en aluminium.
- Améliorer l'esthétique du cadre (tous les accessoires
sont cachés).
- Remplace utiliser pleinement la tente pour filtrer la lumière ou les systèmes opaques.

Scheda tecnica - Sistema **Complanare veneziano**

Data sheet / Fiche technique

Pannello solare integrato su guida superiore: evita il cablaggio elettrico esterno
built-in solar panel on the upper rail: avoids external electric cables
Panneau solaire intégré sur rail supérieur: évite le cablage électrique externe

Dotato di ferramenta antieffrazione, garantisce la massima resistenza allo strappo e allo scasso
fitted with anti-effraction hardware, ensuring maximum resistance to bumping and breaking
Doté d'éléments anti-cambriolage, garanti la résistance aux coup set à l'effrac-

Elemento oscurante ispezionabile
Blinds can be inspected
Elément obscurant inspectionable

Clips per apertura/chiusura dell'anta esterna in alluminio
Clips for opening and closing the external aluminium sash
Clips pour auverture/fermeture du battant externe en aluminium

Canaline laterali in tinta
Coloured lateral grooves
Conduits latéraux en couleur

Anta esterna in alluminio con vetro stratificato da 6mm
Aluminium outer sash with 6mm laminated glass
Battant externe en aluminium avec un verre stratifié de 6 mm

Dispositivo con cablaggio integrato per il controllo elettronico della salita/discesa dell'elemento oscurante
Device with built-in cabling for electronic control to raise/lower the blinds
Dispositif de câblage intégré pour la commande électronique de l'élément obscurant vers le haut / vers le bas

Scheda tecnica - Sistema **Complanare veneziano**

Data sheet / Fiche technique

volume SERRAMENTI Light

Tende plissé filtrante, motorizzate - Solo impacchettamento
Plissé filtering curtains motorized - Packing only
Stores plissés filtrants, motorisés - Seulement emballage

Colori - *Colours* - Couleurs

110 | 100 | 010 | 000 | 310

	Bianco	Colori
Transmissione luminosa	50-51%	37-46%
Light transmission *Transmission de luminosité*	*White* *Blanc*	*Colours* *Couleurs*

volume SERRAMENTI Veil

Tende plissé “duette” filtrante, motorizzate - Solo impacchettamento
Plissé “duette” filtering curtains, motorized - Packing only
Stores plissés “duette” filtrants, motorisés - Seulement emballage

Colori - *Colours* - Couleurs
Esterno (*External*, Externe) : bianco (*white*, blanc)
Interno (*Internal*, Interne):

0201 | 2930 | 4440 | 2231

	Bianco	Colori
Transmissione luminosa	50-51%	37-46%
Light transmission *Transmission de luminosité*	*White* *Blanc*	*Colours* *Couleurs*

Scheda tecnica - Sistema Complanare veneziano

Data sheet / Fiche technique

Ven

Tende veneziane per modulare la luce, motorizzate
Impacchettamento e orientamento
Motorized Venetian blinds for regulating light, Packing and tilting
Stores vénitiens pour moduler la lumière, motorisés
Emballage et orientation

Colori - *Colours* - Couleurs

002	048
028	051
029	052
050	053
056	

Block

Tende “duette” oscurante, motorizzate - Solo impacchettamento
Motorized darkening “duette” curtains
Stores plissés “duette” filtrants, motorisés - Seulement emballage

Colori - *Colours* - Couleurs
Esterno (*External*, Externe) : bianco (*white*, blanc)
Interno (*Internal*, Interne):

0201	4434
4806	4530

Transmissione luminosa	0%

Light transmission
Transmission de luminosité

LA **FINESTRA** ITALIANA DAL **1911**

*THE ITALIAN **WINDOW** SINCE **1911***

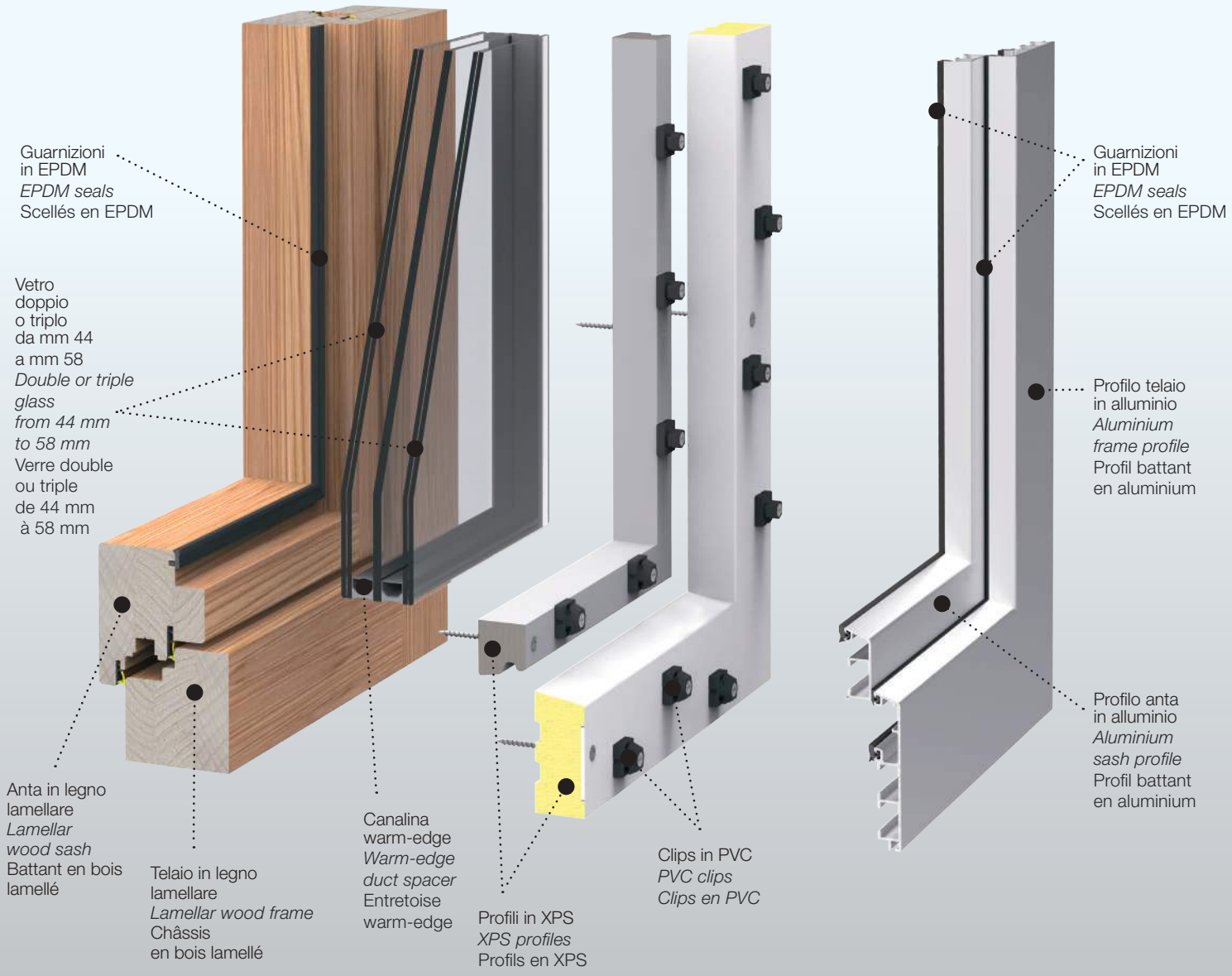
LA **FENÊTRE** ITALIENNE DEPUIS **1911**

volume® SERRAMENTI

IL SISTEMA **LEGNO / ALLUMINIO TERMICO**

Uw 0,74 W/m²K

Wood / aluminium thermal system
Système bois / aluminium thermique



INTERNO
Internal
Intérieur

ESTERNO
External
Extérieur

Il sistema serramenti legno/alluminio-termico Volume consente di realizzare una finestra passiva partendo dallo spessore legno di 69 mm., grazie all'inserimento di profili in XPS (rafforzati da una lamina in ABS) tra il legno e l'alluminio.
Si raggiungono valori di isolamento termico (Uw) tra 0,77 e 0,74W/m²K

Volume makes wood/aluminium thermal system windows which are 69 mm and with the insertion of XPS (made stronger by an ABS layer) can allow a Thermal isolation between 0,77 and 0,74 W/m²K.

Le système des portes et fenêtres en bois/aluminium thermique Volume consent de réaliser une fenêtre passive en partant de l'épaisseur du bois de 69 mm
Grâce à l'insertion de profils en XPS (renforcés par une lame en ABS) entre le bois et l'aluminium.
Nous atteignons des valeurs d'isolement thermique (UW) entre 0,77 et 0,74 W/m²K

COLLEZIONE **LEGNO / ALLUMINIO TERMICO**

Wood / aluminium thermal collection
Collection bois / aluminium thermique

SISTEMA **PASSIVO CLASSICO**

Passive Classic System
Système passif classique

Design tradizionale con linee squadrate, con l'inserimento di profili in XPS ad elevato isolamento termico

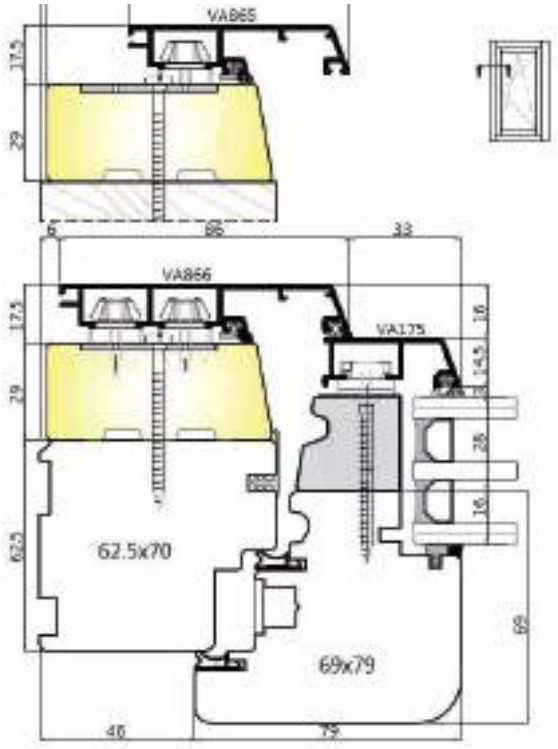
Traditional design and squared lines with the insertion of high termal isolation XPS profiles.

Design traditionnel, avec l'insertion de profils en XPS avec une haute isolation thermique.

Disegni tecnici - Sistema **Passivo classico**

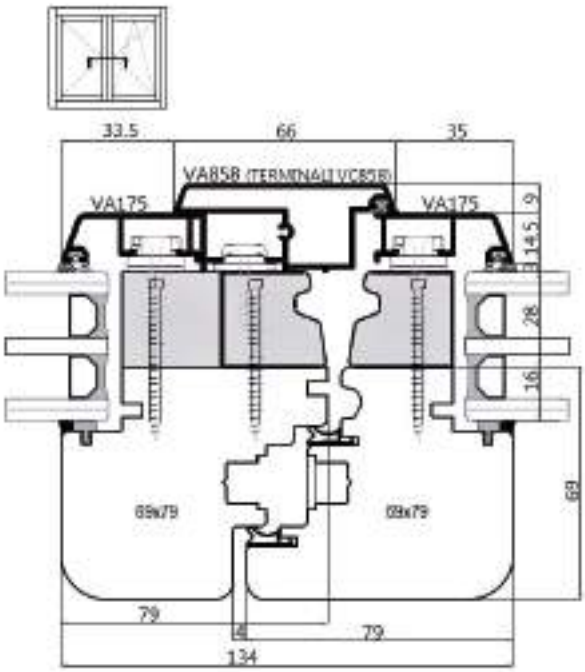
Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



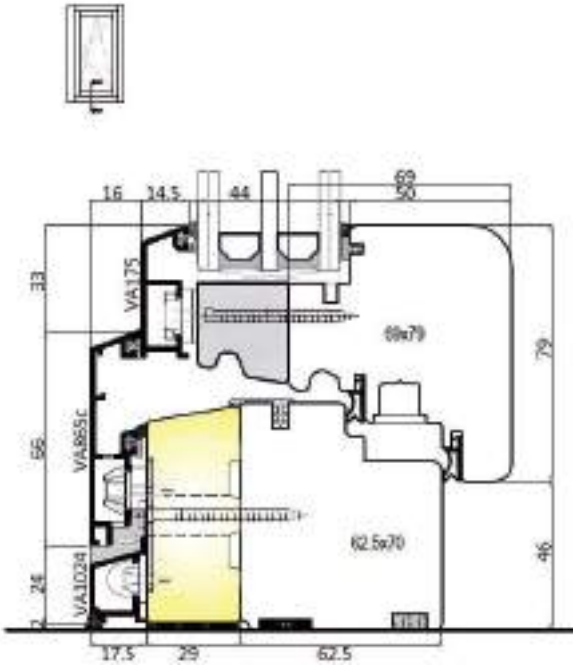
Sezione orizzontale montante laterale
Horizontal section of the lateral stile
Section horizontale montant latéral

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



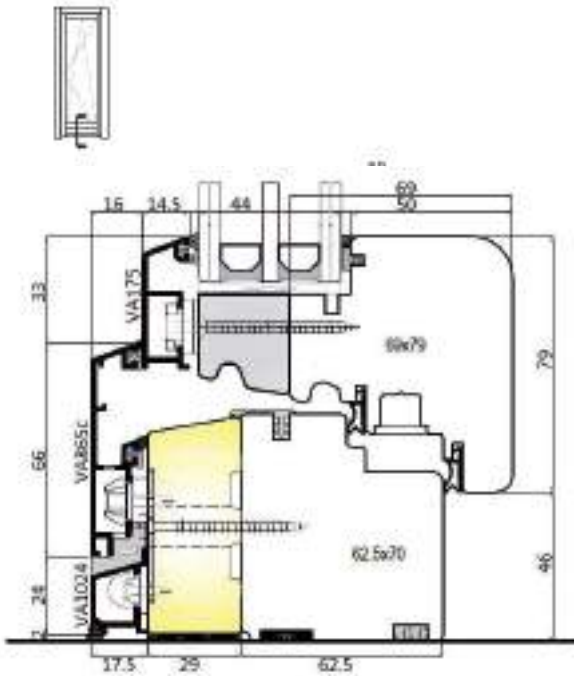
Sezione orizzontale chiusura centrale
Horizontal section of the central beking system
Section horizontale fermeture centrale

Finestra
Window
Fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Porta finestra
French Window
Porte-fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Copyright: Volume Design

COLLEZIONE **LEGNO / ALLUMINIO TERMICO**

Wood / aluminium thermal collection
Collection bois / aluminium thermique

SISTEMA
PASSIVO COMPLANARE

Passive Coplanar System
Système passif complanaire

Design contemporaneo, con l'inserimento di profili in XPS ad elevato isolamento termico

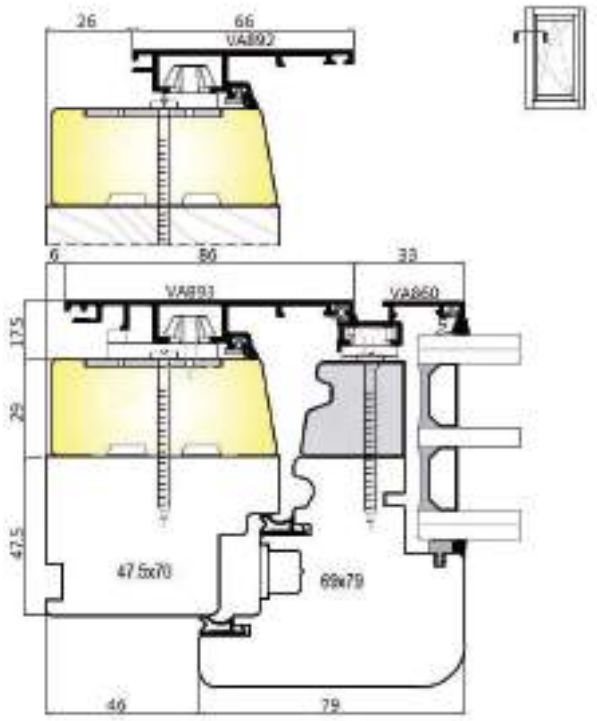
Contemporary design, with the insertion of high thermal isolation XPS profiles

Design contemporain, avec l'isertion de profils en XPS avec un isolement thermique élevé

Disegni tecnici - Sistema Passivo complanare

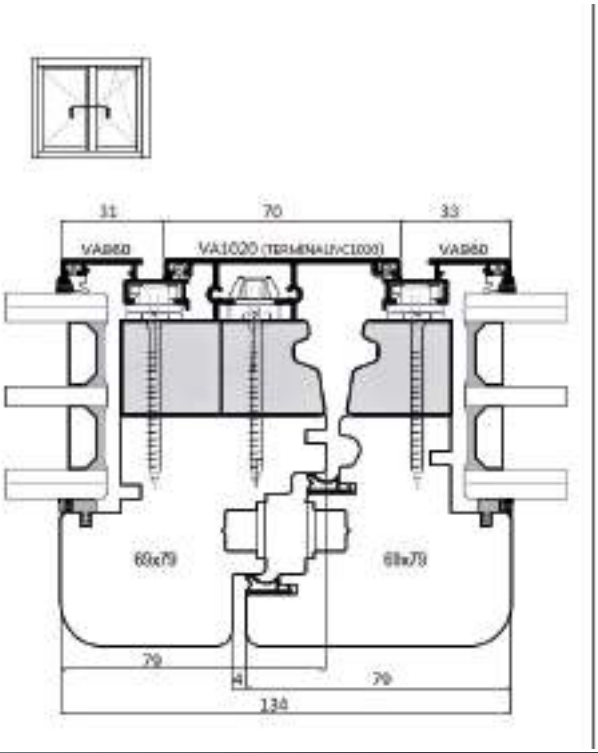
Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



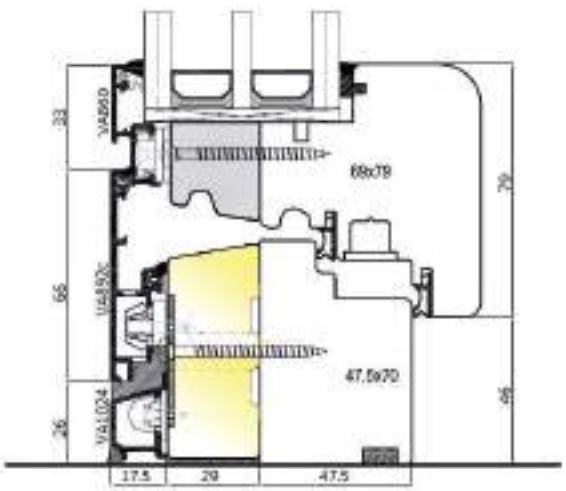
Sezione orizzontale montante laterale
Horizontal section of the lateral stile
Section horizontale montant latéral

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



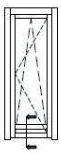
Sezione orizzontale chiusura centrale
Horizontal section of the central beking system
Section horizontale fermeture centrale

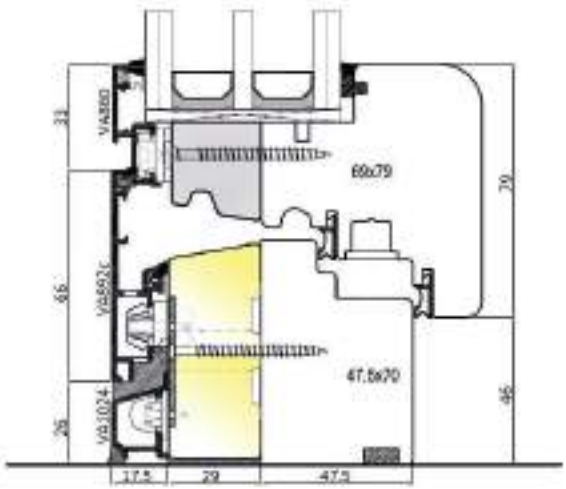
Finestra
Window
Fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Porta finestra
French Window
Porte-fenêtre





Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

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LA **FINESTRA** ITALIANA DAL **1911**

*THE ITALIAN **WINDOW** SINCE **1911***

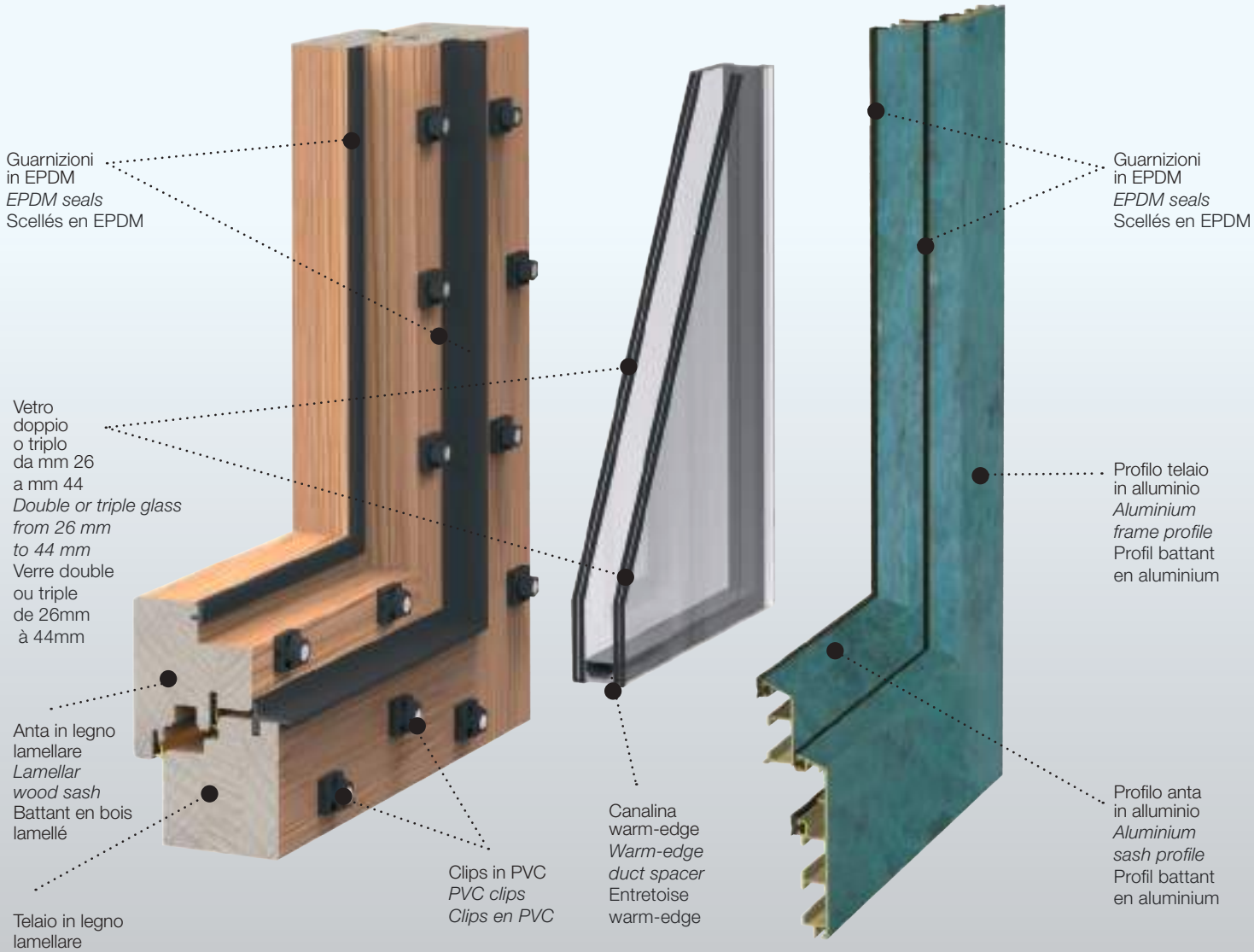
LA **FENÊTRE** ITALIENNE DEPUIS **1911**

volume® SERRAMENTI

IL SISTEMA **LEGNO / BRONZO**

Uw 1,2 W/m²K

Wood / bronze sytem
Système bois / bronze



Il sistema serramenti legno/bronzo Volume è realizzato con una speciale lega di ottone che non necessita di alcuna protezione superficiale o manutenzione. Grazie a tre trattamenti eseguiti dopo la saldatura dei profili si possono ottenere i seguenti effetti estetici:

- Brunitura che accelera il processo naturale con effetto bronzo antico.
- Ramatura con effetto di invecchiamento verderame tipico delle statue e dei tetti in rame dei monumenti storici.

Volume's wood/bronze doors and windows are made with a special brass alloy with no need of surface protection or maintenance.
Thanks to three after welding profile treatments, the following effects can be acheived:

- *Burnishing quickens the natural process of an old brass effect*
- *Coppering creates a vintage style, typical of copper statues and roofs of historical monuments*

Le système des portes et fenêtres bois/bronze Volume est réalisé avec un alliage spécial de laiton qui ne nécessite d'aucune protection superficielle ou manutention.
Grâce à trois traitements exécutés après soudure des profils, nous pouvons obtenir les effets esthétiques suivants :
- brunissage qui accélère le procès naturel avec un effet de bronze ancien.
-cuivrage avec un effet de vieillissement vert-de-gris typique des statues et des toits en cuivre des monuments historiques.

COLLEZIONE **LEGNO / BRONZO**

Wood / bronze Collection
Collection bois / bronze

SISTEMA
BRONZO CLASSICO

Bronze Classic system
Système bronze classique

Design moderno e linee squadrate

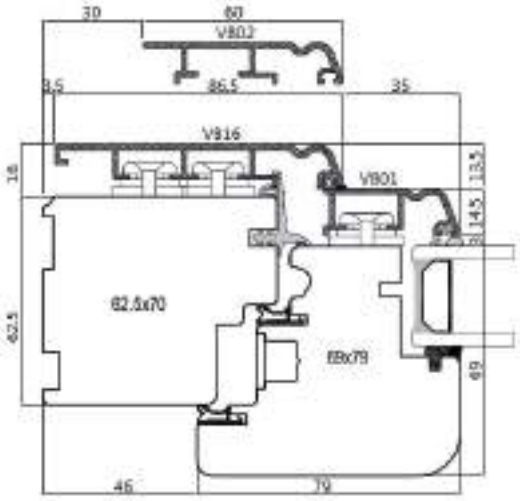
Modern design and squared lines

Design moderne et lignes carrées

Disegni tecnici - Sistema Bronzo classico

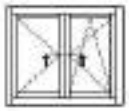
Technical drawings / Dessins techniques

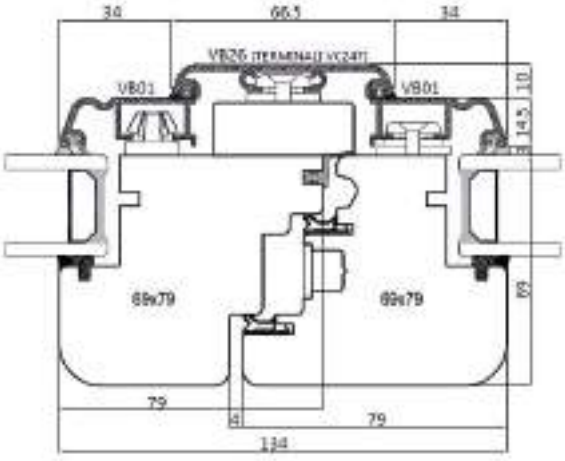
Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



Sezione orizzontale montante laterale
Horizontal section of the lateral stile
Section horizontale montant latéral

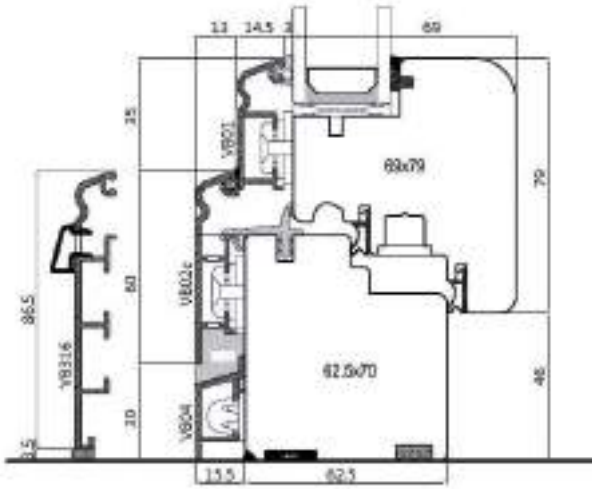
Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre





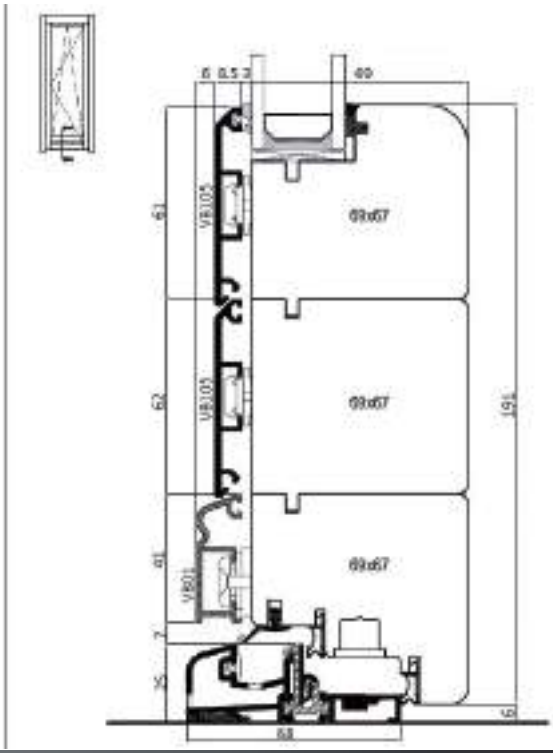
Sezione orizzontale chiusura centrale
Horizontal section of the central beking system
Section horizontale fermeture centrale

Finestra
Window
Fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Porta finestra
French Window
Porte-fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

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COLLEZIONE **LEGNO / BRONZO**

Wood / bronze Collection
Collection bois / bronze

SISTEMA **BRONZO RESTAURO**

Bronze restoration System
Système bronze restauré

Design antico e geometrie del passato

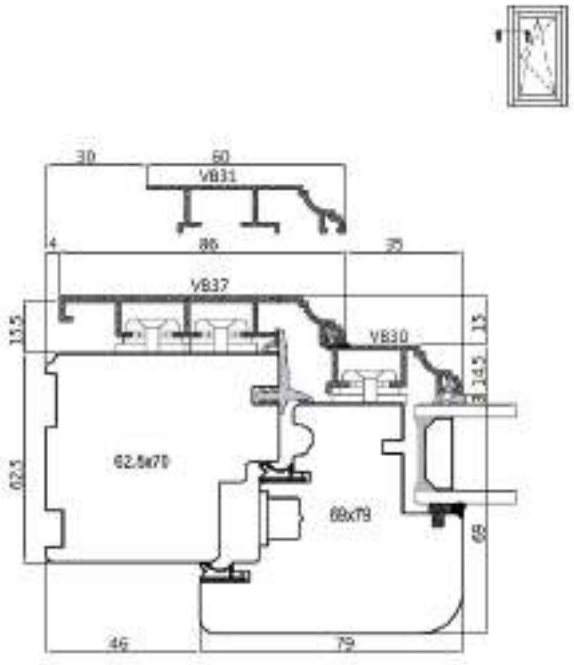
Old design and geometries of the past

Design antique et géométries du passé

Disegni tecnici - Sistema Bronzo restauro

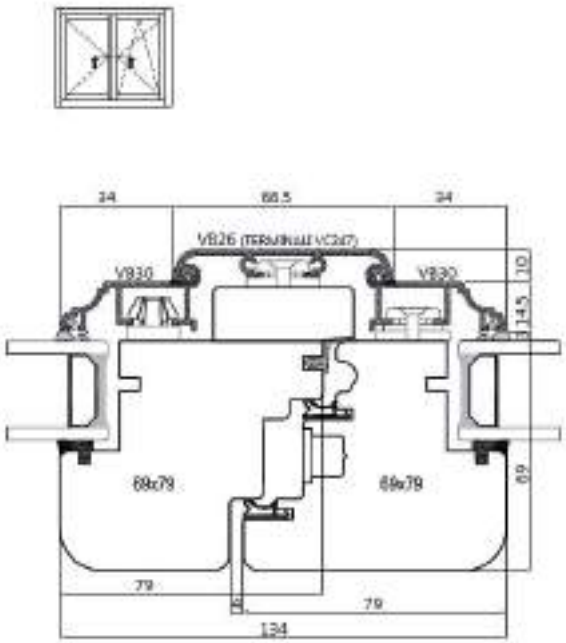
Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



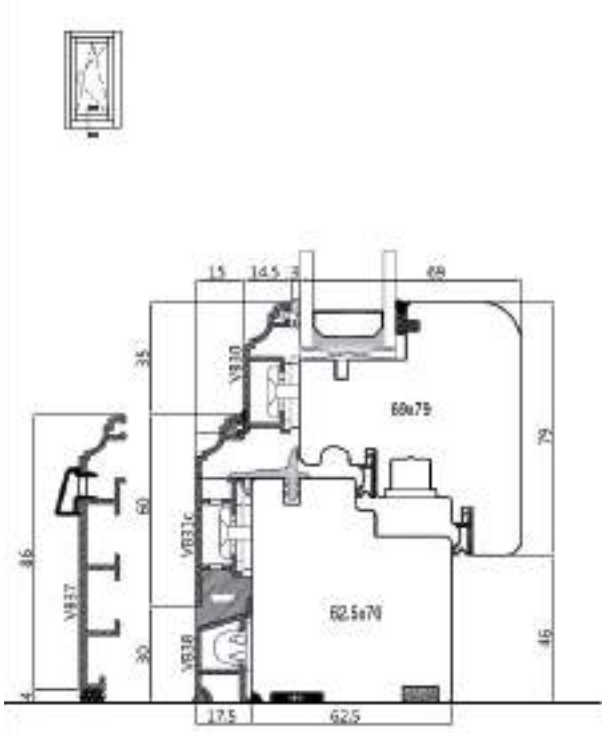
Sezione orizzontale montante laterale
Horizontal section of the lateral stile
Section horizontale montant latéral

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



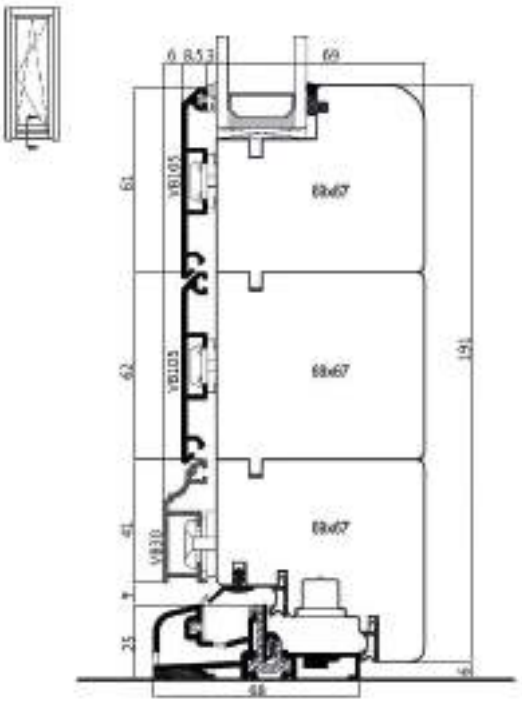
Sezione orizzontale chiusura centrale
Horizontal section of the central beking system
Section horizontale fermeture centrale

Finestra
Window
Fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Porta finestra
French Window
Porte-fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Copyright: Volume Design

COLLEZIONE **LEGNO / BRONZO**

Wood / bronze Collection
Collection bois / bronze

SISTEMA **BRONZO ’800**

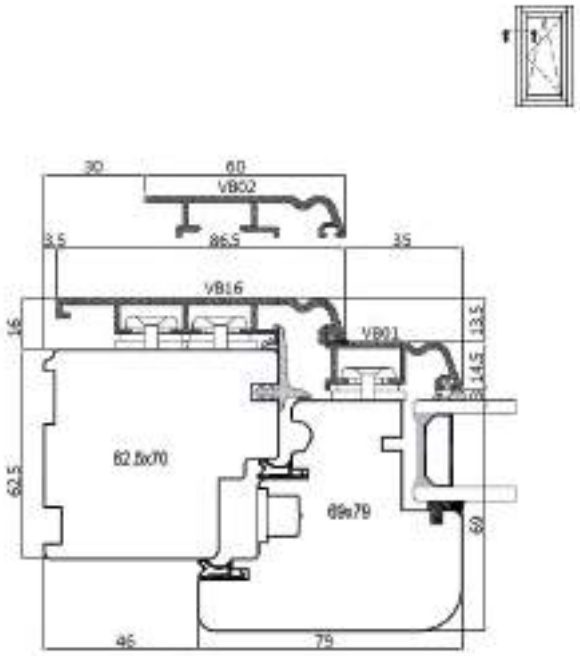
’800 bronze System
Système ’800 bronze

Design stile ’800
’800 design style
Design style ’800

Disegni tecnici - Sistema **Bronzo '800**

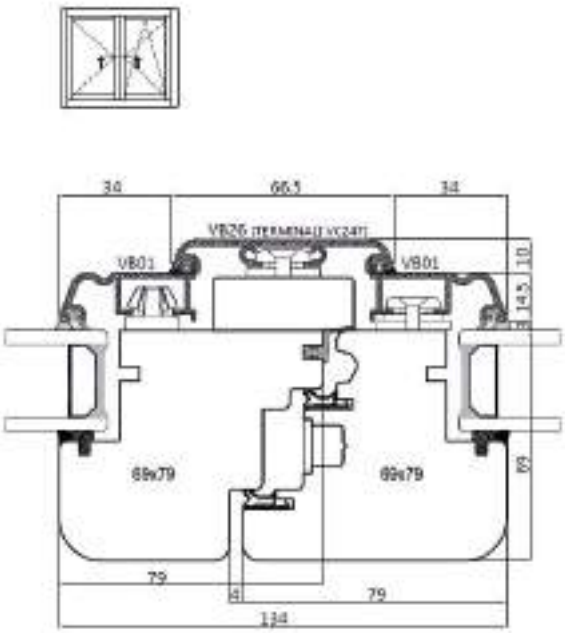
Technical drawings / Dessins techniques

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



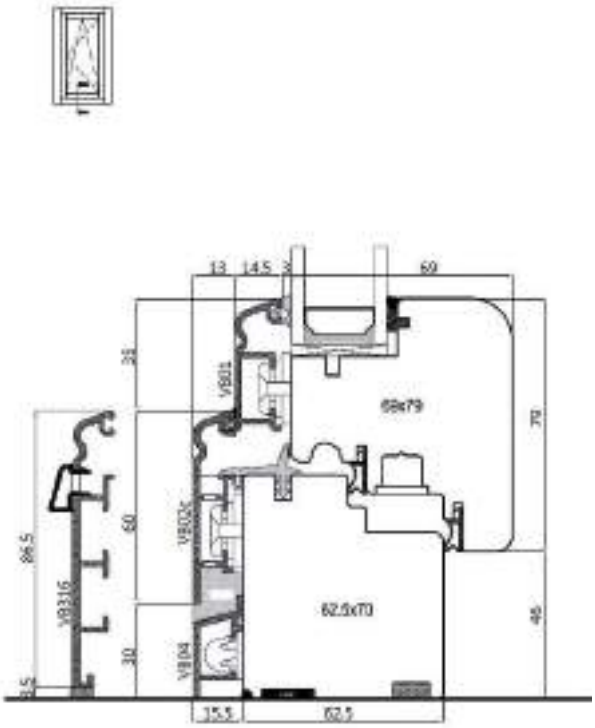
Sezione orizzontale montante laterale
Horizontal section of the lateral stile
Section horizontale montant latéral

Finestra - Porta finestra
Window - French Window
Fenêtre - Porte-fenêtre



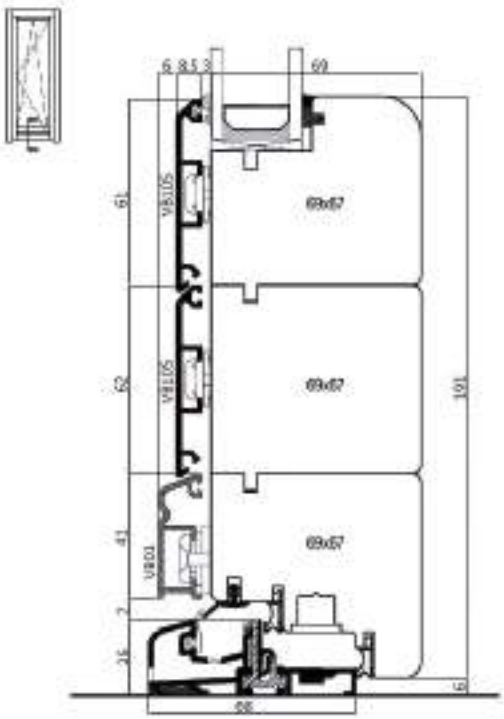
Sezione orizzontale chiusura centrale
Horizontal section of the central beking system
Section horizontale fermeture centrale

Finestra
Window
Fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

Porta finestra
French Window
Porte-fenêtre



Sezione verticale traverso inferiore
Vertical section of the lower batten
Section verticale traverse inférieure

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LA **FINESTRA** ITALIANA DAL **1911**

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SISTEMA **FACCIATA CONTINUA**

Curtain wall / Système façade continue

Il sistema Facciata continua è studiato per essere costruito e montato con precisione e velocità. La struttura interna in legno di rovere lamellare, rispetto ad una in alluminio, riduce il surriscaldamento estivo ed il consumo energetico invernale.

The system has been planned to be build and assembled rapidly and accurately.
The internal oak structure can reduce summer overheating and winter energy consuption much more than a simple alluminium structure.

Le système est étudié pour être construit et monté avec précision et rapidité.
La structure en bois interne par rapport à une structure en aluminium, réduit le surchauffage en été et la consommation d'énergie en hiver.

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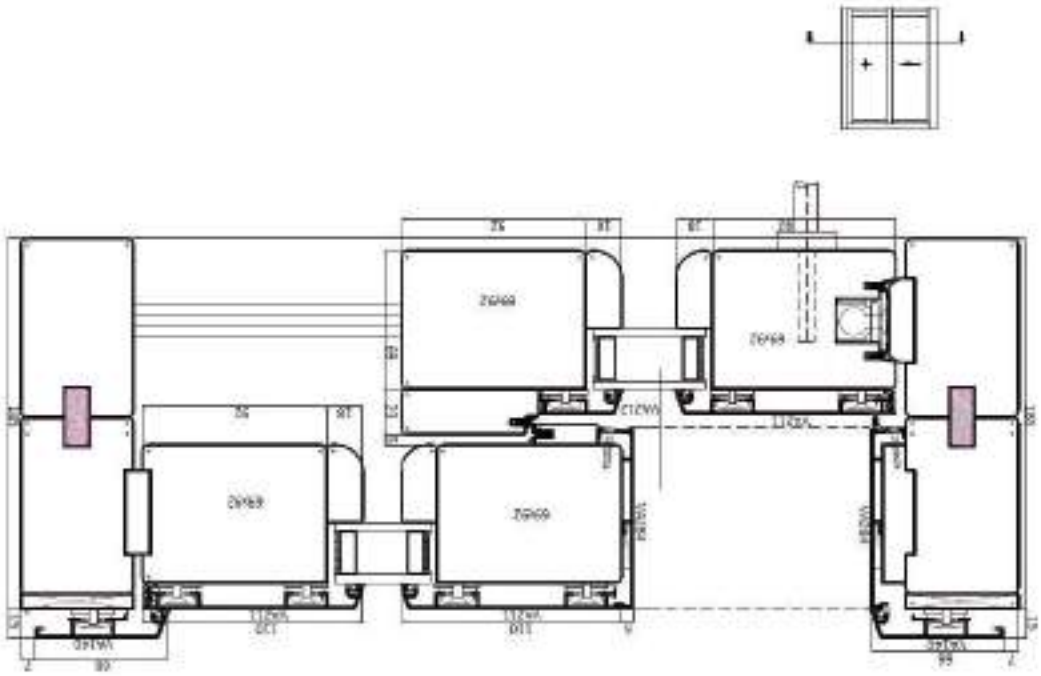
VASISTAS *Vasistas* / Vasistas

SCORREVOLE A LIBRO *Sliding "a libro"* / Coulissant à livre

SCORREVOLE ALZANTE *Lifting sliding* / Coulissant levant

Disegni tecnici - Scorrevole alzante

Technical drawings / Dessins techniques



Sezione orizzontale
Horizontal section
Section horizontale

Sezione verticale
Vertical section
Section verticale

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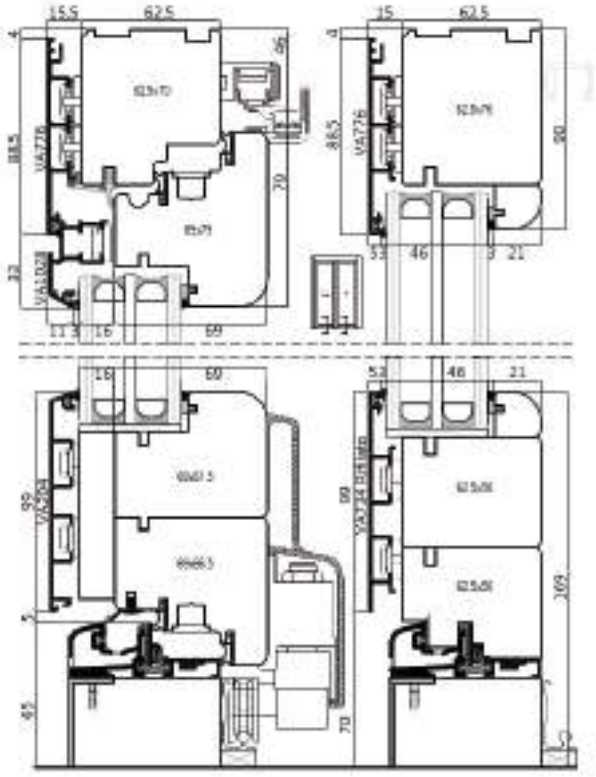
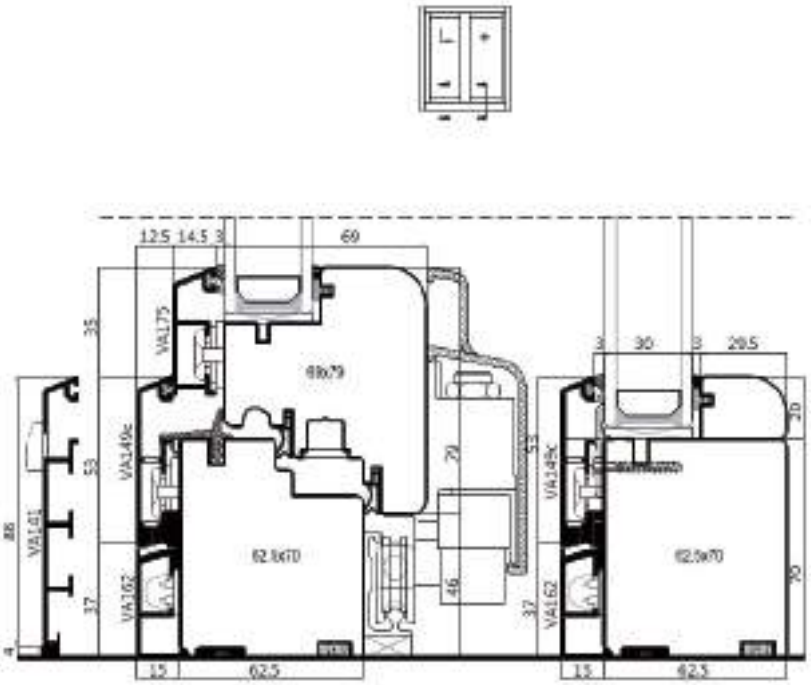
SCORREVOLE COMPLANARE *Parallel sliding* / Coulissant parallèle

Disegni tecnici - Scorrevole complanare

Technical drawings / Dessins techniques



Sezione verticale Portafinestra
French window vertical section
Section verticale Porte-fenêtre



Sezione verticale Finestra
Window vertical section
Section verticale Fenêtre

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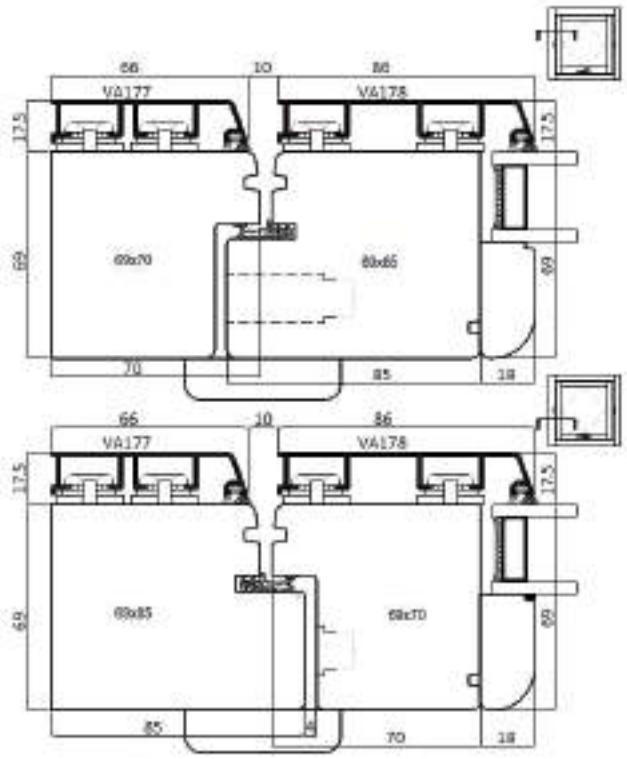
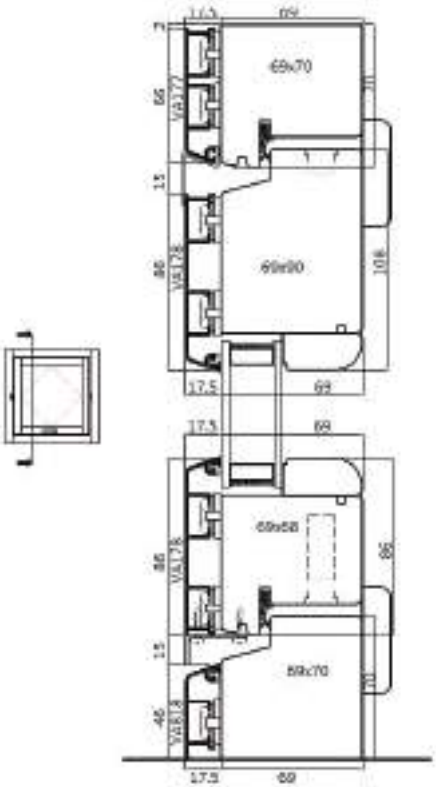
BILICO *Centrally-pivoted* / Pivot

Disegni tecnici - Bilico

Technical drawings / Dessins techniques



Sezione orizzontale
Horizontal section
Section horizontale



Sezione verticale
Vertical section
Section verticale

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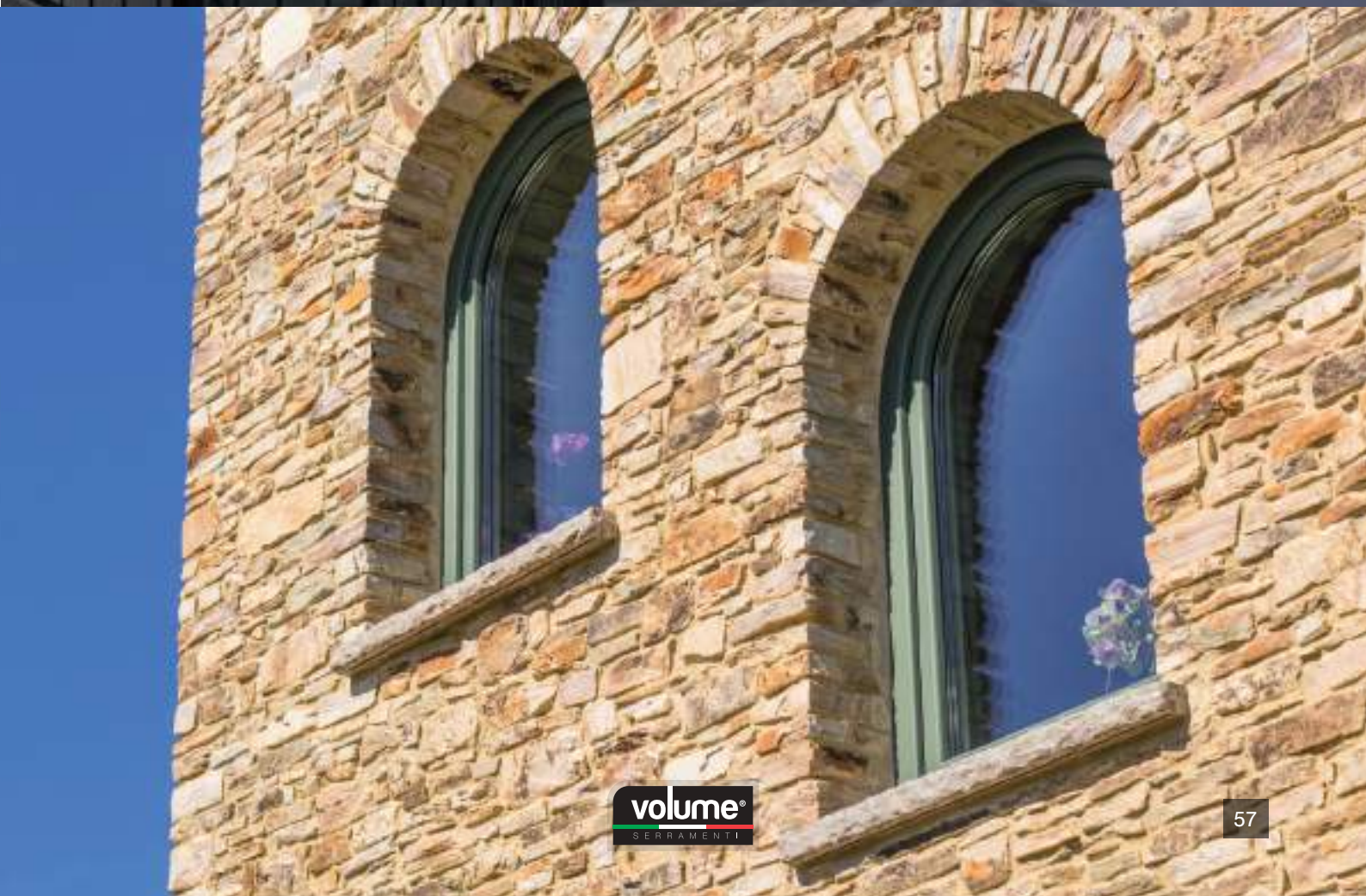
CENTINATO *Arched* / Cintrée



FATTIBILITÀ *Feasibility* Faisabilité

SISTEMA	*CLASSICO*	*TONDO*	*RESTAURO*	*LUCE*	*COMPLANARE*	*COMPLANARE CLASSICO*	*COMPLANARE TONDO / INCL.*
I) Traverso intermedio anta F) Traverses intermédiaires battant UK) Sash intermediate rails	●	●	●			●	●
I) Inglesine(con incollaggio al vetro) F) Traverses UK) Attachment crossbar	●	●	●		●	●	●
I) Anta maggiorata per maniglia passante F) Vantail augmenté pour poignée à l'extérieure UK) Sash enlarged for exterior handle	●	●	●	●		●	●
I) Finestra con sopra/sottoluce fisso F) Fenêtre avec partie fixe sous/au-dessus de la traverse UK) Fixed glazing	●	●	●		●	●	●
I) Finestra con fisso laterale F) Fenêtre avec fixe latéral UK) Side-fixed glazing	●	●	●		●	●	●
I) Piantoni e traversi intermedi telaio F) Meneaux et traverses intermédiaires du dormant UK)Sash intermidiate mullions and transoms	●	●	●		●	●	●
I) Finestre accoppiate F) Fenêtres assemblées UK) Assembled windows	●	●	●	●	●	●	●
I) Inserimento per tapparelle F) Prédisposition pour insérer les volets roulants UK) Arrangement for roller shutters	●	●	●	●	●	●	●
I) Inserimento zanzariere F) Prédisposition pour insérer les moustiquaires UK) Arrangement for fly screens	●	●	●	●	●	●	●
I) Telaio per ristrutturazione F) Châssis pour rénovation UK) Frame for renovation	●	●					
I) Inserimento in facciata F) Prédisposition pour l'insertion en façade UK) Insertion window for curtain wall	●	●	●		●	●	●
I) Scorrevole parallelo F) Coulissant parallèle UK) Parallel-sliding windows	●	●	●	●	●	●	●
I) Bilico orizzontale F) Pivot UK) Centrally-pivoted	●	●	●			●	●
I) Apertura esterna/antipanico F) Ouverture vers l'extérieure/anti-panique UK) Window/Door opening outwards	●	●	●			●	●
I) Alzante scorrevole F) Levant-coulissant UK) Lifting sliding door	●	●	●	●		●	●
I) Fuorisquadra F) Hors-équerre UK) Out-of-square window	●	●	●	●	●	●	●
I) Serramento ad arco F) Châssis cintré UK) Curved window	●	●	●		●	●	●

FATTIBILITÀ *Feasibility* Faisabilité

SISTEMA	*COMPLANARE VENEZIANO*	*VETRO*	*PASSIVO CLASSICO*	*PASSIVO COMPLANARE*	*BRONZO CLASSICO*	*BRONZO RESTAURO*	*BRONZO 800*
I) Traverso intermedio anta F) Traverses intermédiaires battant UK) Sash intermediate rails			●	●	●	●	●
I) Inglesine(con incollaggio al vetro) F) Traverses UK) Attachment crossbar	●		●	●	●	●	●
I) Anta maggiorata per maniglia passante F) Vantail augmenté pour poignée à l'extérieure UK) Sash enlarged for exterior handle		●	●	●	●	●	●
I) Finestra con sopra/sottoluce fisso F) Fenêtre avec partie fixe sous/au-dessus de la traverse UK) Fixed glazing	●	●	●	●	●	●	●
I) Finestra con fisso laterale F) Fenêtre avec fixe latéral UK) Side-fixed glazing	●	●	●	●	●	●	●
I) Piantoni e traversi intermedi telaio F) Meneaux et traverses intermédiaires du dormant UK)Sash intermidiate mullions and transoms	●	●	●	●	●	●	●
I) Finestre accoppiate F) Fenêtres assemblées UK) Assembled windows	●	●	●	●	●	●	●
I) Inserimento per tapparelle F) Prédisposition pour insérer les volets roulants UK) Arrangement for roller shutters	●	●	●	●	●	●	●
I) Inserimento zanzariere F) Prédisposition pour insérer les moustiquaires UK) Arrangement for fly screens	●	●	●	●	●	●	●
I) Telaio per ristrutturazione F) Châssis pour rénovation UK) Frame for renovation	●	●	●	●	●	●	●
I) Inserimento in facciata F) Prédisposition pour l'insertion en façade UK) Insertion window for curtain wall	●	●			●	●	●
I) Scorrevole parallelo F) Coulissant parallèle UK) Parallel-sliding windows	●	●	●	●	●	●	●
I) Bilico orizzontale F) Pivot UK) Centrally-pivoted		●			●	●	●
I) Apertura esterna/antipanico F) Ouverture vers l'extérieure/anti-panique UK) Window/Door opening outwards		●			●	●	●
I) Alzante scorrevole F) Levant-coulissant UK) Lifting sliding door		●	●	●	●	●	●
I) Fuorisquadra F) Hors-équerre UK) Out-of-square window	●	●	●	●	●	●	●
I) Serramento ad arco F) Châssis cintré UK) Curved window	●				●	●	●

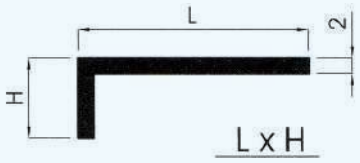
PROFILI VARI & LAMIERE IN ALLUMINIO

Various Profiles and aluminium sheets / Autres Profils et tôles en aluminium

PROFILI ANGOLARI ALLUMINIO

Aluminium angle profiles

Profils angulaires

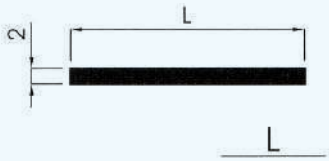


A10x10	A35x15	A60x30
A15x10	A35x35	A60x40
A15x15	A40x10	A60x60
A20x10	A40x15	A70x15
A20x15	A40x20	A70x20
A20x20	A40x15	A80x15
A25x15	A40x40	A80x20
A25x20	A50x15	A80x35
A25x25	A50x20	A80x40
A30x10	A50x30	A100x20
A30x15	A50x50	A100x20
A30x20	A60x20	A120x20
A30x30		

PROFILI PIANI ALLUMINIO

Aluminium flat profiles

Profils plats en aluminium

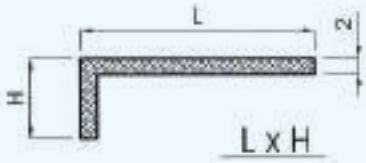


P10x2	P30x2	P60x2
P15x2	P40x2	P80x2
P20x2	P50x2	P100x2

PROFILI ANGOLARI BRONZO

Bronze angle profiles

Profils angulaires en bronze

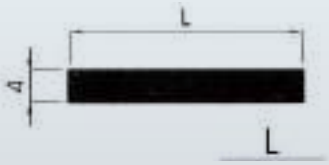


AB15x15	AB25x25	AB40x20
AB25x15	AB30x30	AB50x50

PROFILI PIANI ALLUMINIO

Aluminium flat profiles

Profils plats en aluminium



P20x4	P40x4	P60x4
P30x4	P50x4	P80x4

PROFILI PIANI BRONZO

Bronze flat profiles

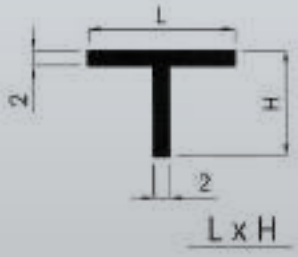
Profils plats en bronze

PB20x2	PB40x2	PB60x2
PB30x2	PB50x2	PB70x2

PROFILI a " T "

T- profiles

Profils à T

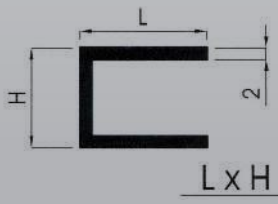


TT20x20	TT25x25	TT40x20

PROFILI a "U "

U-profiles

Profils à U

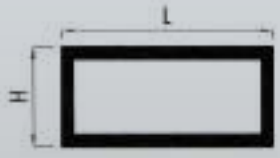


U20x10	U30x15	U50x20
U20x20	U30x30	U60x20
U25x25	U40x20	U80x20

PROFILI TUBOLARI

Tubular T-profiles

Profils tubulaires

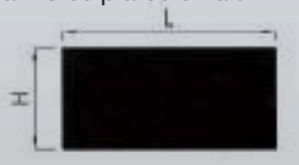


T15x15	A40x40	A80x20
T20x10	T50x15	T80x30
T20x15	T50x20	T80x40
T20x20	T50x30	T80X80
T25x25	T50x40	T100x20
T30x10	T50x50	T100x30
T30x15	T60x20	T100x40
T30x20	T60x30	T100x50
T30x30	T60x40	T100x60
T35x20	T60x60	T100x100
T35x35	T70x20	T120x20
T40x15	T70x30	T120x40
T40x10	T70x70	T120x60
T40x30	T80x15	T150x20

LAMIERE PIANE ALLUMINIO

Aluminium flat sheets

Lamières plates en aluminium



VLAM01 1250x2500x1,5
(Tutte le finiture ecluso decorato legno)
(All the finishes except wood decorated)
(Toutes les finitures exclu décoré bois)

VLAM03 1500x3500x1,2
(Solo decorato legno)
(Wood decorated only)
(Seulement décoré bois)

VLAM04 4000x1500x1,5
(Tutte le finiture escluso decorato legno)
(All the finishes except wood decorated)
(Toutes les finitures exclu décoré bois)

VLAM05 4000x1500x2,0
(Tutte le finiture escluso decorato legno)
(All the finishes except wood decorated)
(Toutes les finitures exclu décoré bois)

VLAM06 2500x1250x2,0
(Tutte le finiture escluso decorato legno)
(All the finishes except wood decorated)
(Toutes les finitures exclu décoré bois)

Su richiesta del cliente si forniscono lamiere piegate su disegno
On customer request we provide sheet metal bent on drawing
Sur demande du client, nous fournissons tôle pliée sur dessin

LA **FINESTRA** ITALIANA DAL **1911**

*THE ITALIAN **WINDOW** SINCE **1911***

LA **FENÊTRE** ITALIENNE DEPUIS **1911**

volume® SERRAMENTI

LEGNO

Wood / Bois

L1	Abete Bianco (Abies Alba)	L1	*White Fir*	L1	Sapin blanc
L2	Abete Rosso (Picea Abies)	L2	*Fir roux*	L2	Sapin roux
L3	Castagno Europeo (Castanea Sativa)	L3	*European Chestnut*	L3	Châtaignier européen
L4	Cedro (Cedrus)	L4	*Cedar*	L4	Cèdre
L5	Ciliegio (Prunus Avium)	L5	*Cherry*	L5	Merisier
L6	Douglas (Pseudotsuga Menziesii)	L6	*Douglas*	L6	Douglas
L7	Faggio (Fagus)	L7	*Beech*	L7	Hêtre
L8	Frassino (Fraxinus)	L8	*Ash*	L8	Frêne
L9	Hemlock (Tsuga	L9	*Hemlock*	L9	Hemlock
L10	Larice (Larix Decidua)	L10	*Larch*	L10	Mélèze
L11	Meranti (Shorea)	L11	*Mérante*	L11	Mérante
L12	Niangon (Heritiera Utilis)	L12	*Nangon*	L12	Nangon
L13	Noce (Juglans)	L13	*Walnut*	L13	Noyer
L14	Noce Americano (Liquidambar Styraciflua)	L14	*American Walnut*	L14	Noyer américain
L15	Okoumé (Aucoumea Klaineana)	L15	*Okoume*	L15	Okoumé
L16	Pino Di Svezia (Pinus)	L16	*Swedish pine*	L16	Pin de Suède
L17	Rovere (Quercus Petraea)	L17	*Oak*	L17	Rouvre
L18	Sapelli (Entandrophragma Cylindricum)	L18	*Sapele*	L18	Sapeli
L19	Salice (Salix)	L19	*Willow*	L19	Saule
L20	Teak	L20	*Teak*	L20	Teak

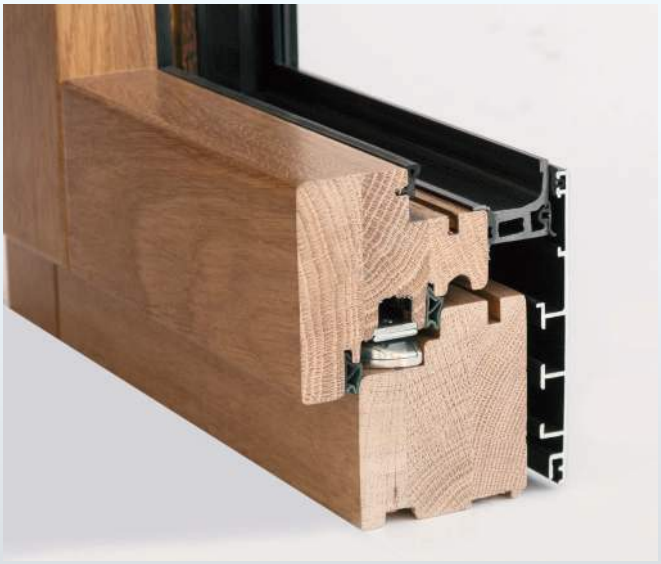
Nel rispetto dell'ambiente e dell'ecosistema Volume utilizza (se disponibili sul mercato) legnami provenienti da zone boschive soggette a riforestazione programmata, certificati PFEC, FSC e CATAS

To respect the environment and the eco-system, Volume uses (if available on the market) woods which come from reforestation areas, with PFEC, FSC and CATAS certificates

Dans le respect de l'environnement et de l'écosysteme Volume utilise (si disponible sur le marché) des bois provenants de zones boisées sujettes à reboisement programmé, certificats PFC, FSC e CATAS

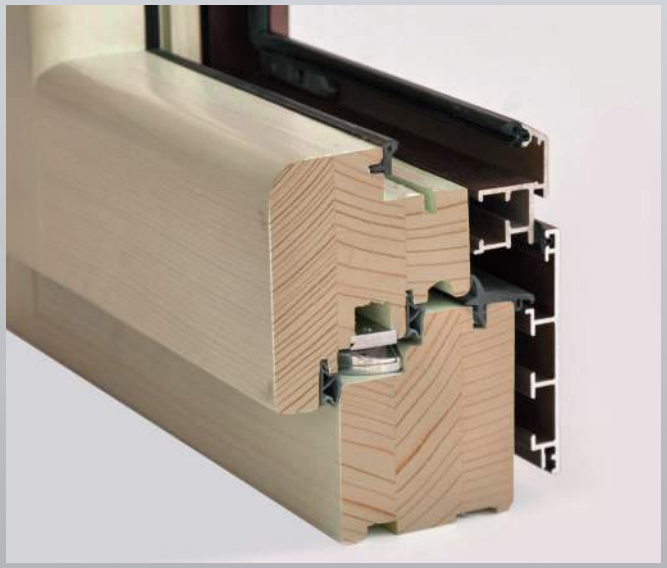
LEGNO - **Profili standard**

Wood - Standard profiles / Bois - Profils standards

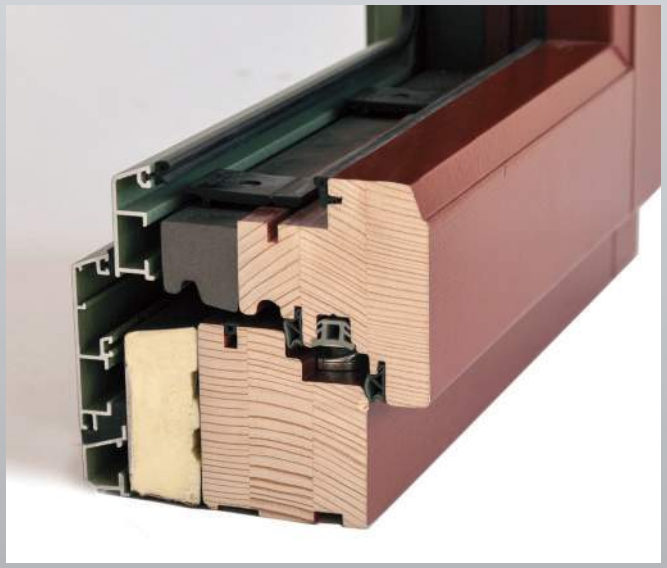


P1 Profilo quadro
Squared profile
Profil carré

P2 Profilo restauro
Restoration profile
Profil restauration



P3 Profilo tondo
Round profile
Profil arrondi

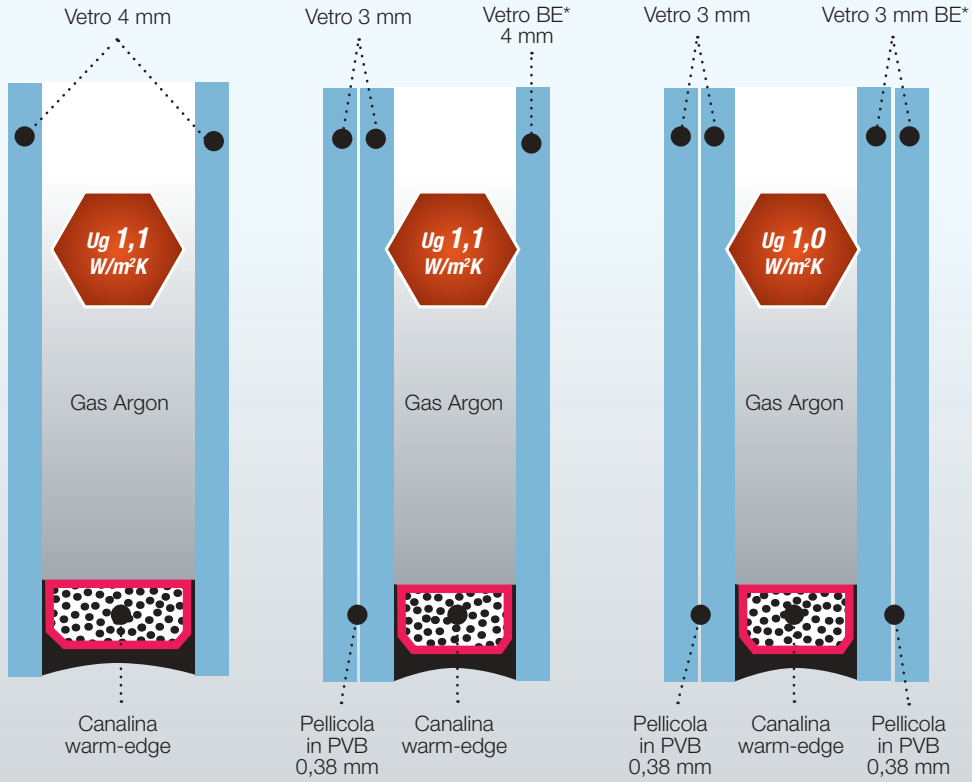


P4 Profilo antico
Old profile
Profil antique

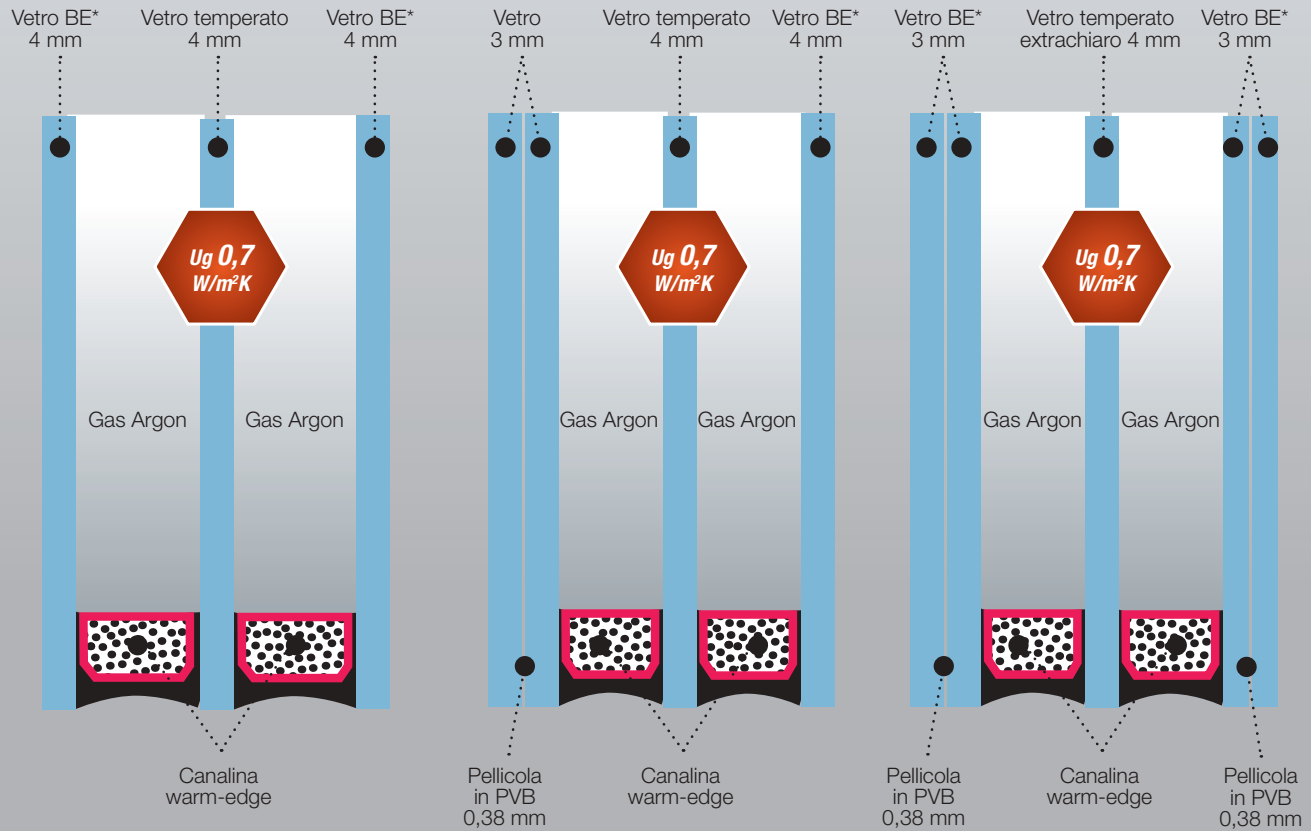
Su richiesta del cliente, Volume realizza profili personalizzati
Volume makes personalized profiles on demand
Sur demande du client, Volume réalise des profils personnalisés

Glass / Verre

ESEMPI DI VETRI STANDARD *Examples of standard glass* / Exemples de verres standards



*BE: Bassa Emissione
Low emission
Bas emissif



Copyright: Volume Design

VETRATE ISOLANTI CAMERA SINGOLA
Insulating glass single chamber (double glazing)
Vitrages isolants à chambre simple

	RIF	VETRO ESTERNO External glass Verre exterieur	GAS	VETRO INTERNO 1 Internal glass 1 Verre interieur 1	GAS	VETRO INTERNO 2 Internal glass 2 Verre interieur 2	SICUREZZA Safety Sécurité		Ug=W/M2K	Ug GAS 18	TL	FS	Rw = dB
Standard	A	4	18	4 BE			—-	—-	1,1		78	61	30
	B	4	18	4 BE ONE			—-	—-	1,0		71	61	30
	C	2 + 2,1*	18	2 + 2,1 BE*			2(B)2	2(B)2	1,1		79	60	35
	D	3 + 3,1	15	3 +3,1 BE			2(B)2	2(B)2	1,1		76	61	35
	E	3 + 3,1	15	3 + 3,1 BE ONE			2(B)2	2(B)2	1,0		69	61	35
Classe A	F	4 + 4,1	15	3 + 3,1BE			2(B)2	2(B)2	1,1		75	61	36
	G	4 + 4,1	15	3 + 3,1 BE ONE			2(B)2	2(B)2	1,0		68	46	36
	H	4 + 4,2	15	3 +3,1 BE			1(B)1— P2A	2(B)2	1,1		75	51	37
	I	4 + 4,2	15	3 + 3,1 BE ONE			1(B)1— P2A	2(B)2	1,0		68	45	37
	J	5 + 5,1	15	3 + 3,1 BE			1(B)1	2(B)2	1,1		75	52	37
	K	5 + 5,1	15	3 + 3,1 BE ONE			1(B)1	2(B)2	1,0		68	46	37
	L	5 + 5,4	15	3 + 3,1 BE			1(B)1— P4A	2(B)2	1,1		74	48	39
	M	5 + 5,4	15	3 + 3,1 BE ONE			1(B)1— P4A	2(B)2	1,0		68	43	39
	N	4 + 4,1 STOP SOL	15	3 + 3,1 BE ONE			2(B)2	2(B)2	1,0		30	24	38
	O	3 + 3,1 AC	15	3 + 3,1 BE			2(B)2	2(B)2	1,1		76	53	38
	P	4 + 4,1 AC	15	3 + 3,1 BE			1(B)1	2(B)2	1,1		76	53	40
	Q	4 +4,1 AC	15	4 + 4,1 BE AC			1(B)1	1(B)1	1,1		76	53	43
	R	6 + 6,2 AC	15	4 + 4,1 BE AC			1(B)1— P2A	1(B)1	1,1		73	46	47
Passivo	S	8,2 + 10,8 + 8 BE	15	6 + 6,2 BE AC			P7B—BR3	2(B)1	1,1		67	43	49

VETRATE ISOLANTI CAMERA DOPPIA
Insulating glass single chamber (triple glazing)
Vitrages isolants à chambre double

Passivo	T	4 BE	15	4	15	4	—-	—-	0,6	0,5	67	42	32
	U	2 + 2,1 BE*	15	4	15	2 + 2,1 BE*	2(B)2	2(B)2	0,6	0,5	71	48	32
	V	3 + 3,1 BE	15	4	15	3 + 3,1 BE	2(B)2	2(B)2	0,6	0,5	66	39	37
	X	4 + 4,1 BE	15	4	15	3 + 3,1 BE	2(B)2	2(B)2	0,6	0,5	69	46	38
	Y	5 + 5,1 BE	15	4	15	3 + 3,1 BE	2(B)2	2(B)2	0,6	0,5	68	45	38

TL = TRASMITTANZA LUMINOSA — Light transmission — Transmiteur luminosité
FS = FATTORE SOLARE — Solar factor — Facteur solaire
BE = BASSO EMISSIVO — Low emission — Bas emissif
AC = ACUSTICO — Acoustic — Acoustique
* = SUPERFICIE MAX. = 1 M² — Max. area — Superficie max.

Per altitudini oltre i 1000 mt specificare per le valvole altimetriche

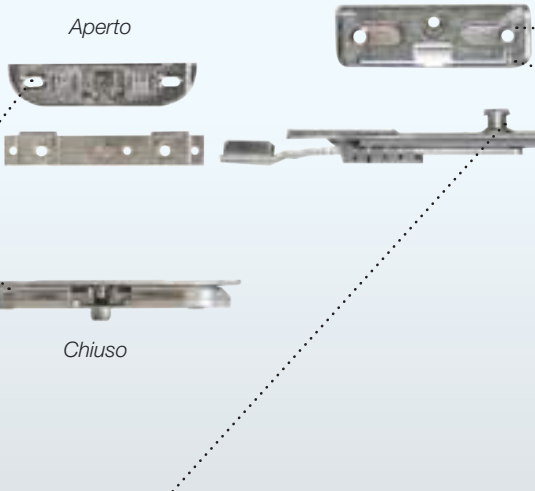
*Esempio di Ferramenta anta ricevente per finestra o portafinestra in classe di sicurezza standard**

Cerniera Exacta regolabile sui 3 assi

Aperto

Click-clack

Chiuso



Riscontro di sicurezza in acciaio sul telaio

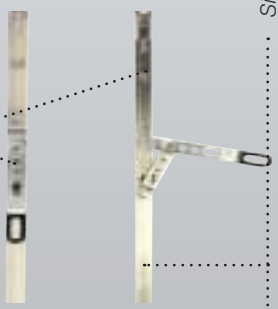
Riscontro in zama sull'anta

Nottolino a funghetto registrabile in acciaio

Cerniera Exacta regolabile sui 3 assi

*Asta a leva***

Sistema asta a leva



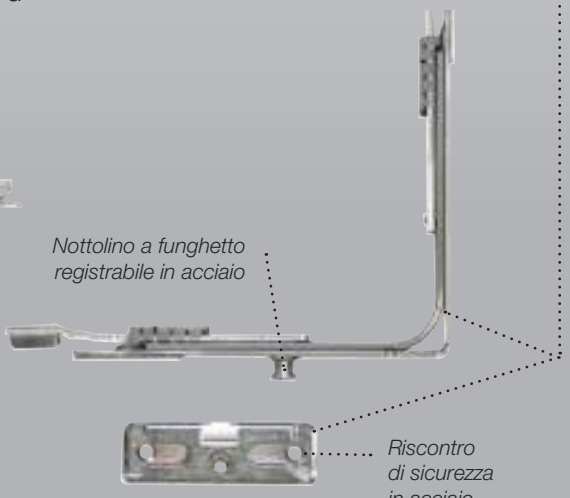
Cerniera Exacta regolabile sui 3 assi

Click-clack

Chiuso

Nottolino a funghetto registrabile in acciaio

Aperto



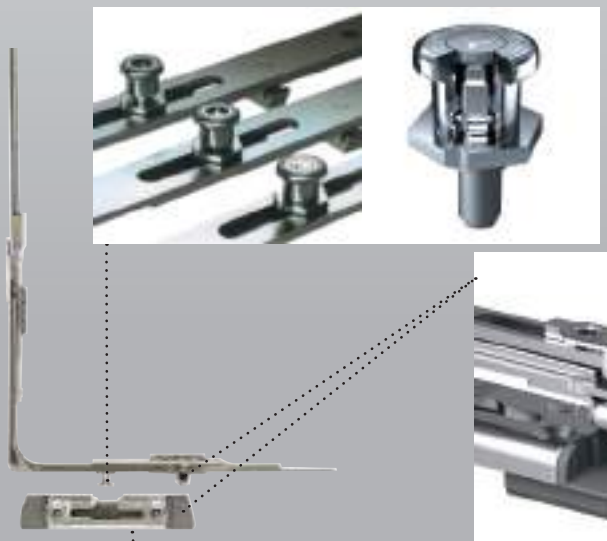
Riscontro di sicurezza in acciaio sul telaio

** Per ferramenta in classe di sicurezza RC1 e RC2 consultare il sito www.volumeserramenti.it*

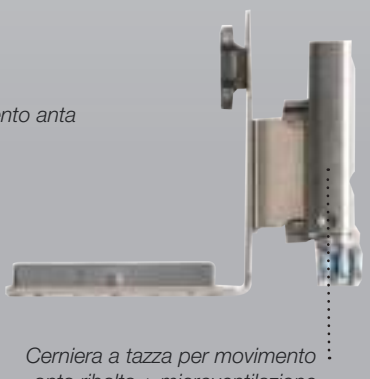
*** Su richiesta del cliente viene montata l'asta a leva, in sostituzione del click clack, per aumentare la sicurezza standard*

FERRAMENTA

*Esempio di ferramenta anta apribile per finestra o porta finestra con anta a ribalta in classe di sicurezza standard**



Nottolino a funghetto girevole autoregolante, unico nel suo genere, mediante un'azione a scatto non permette forzature

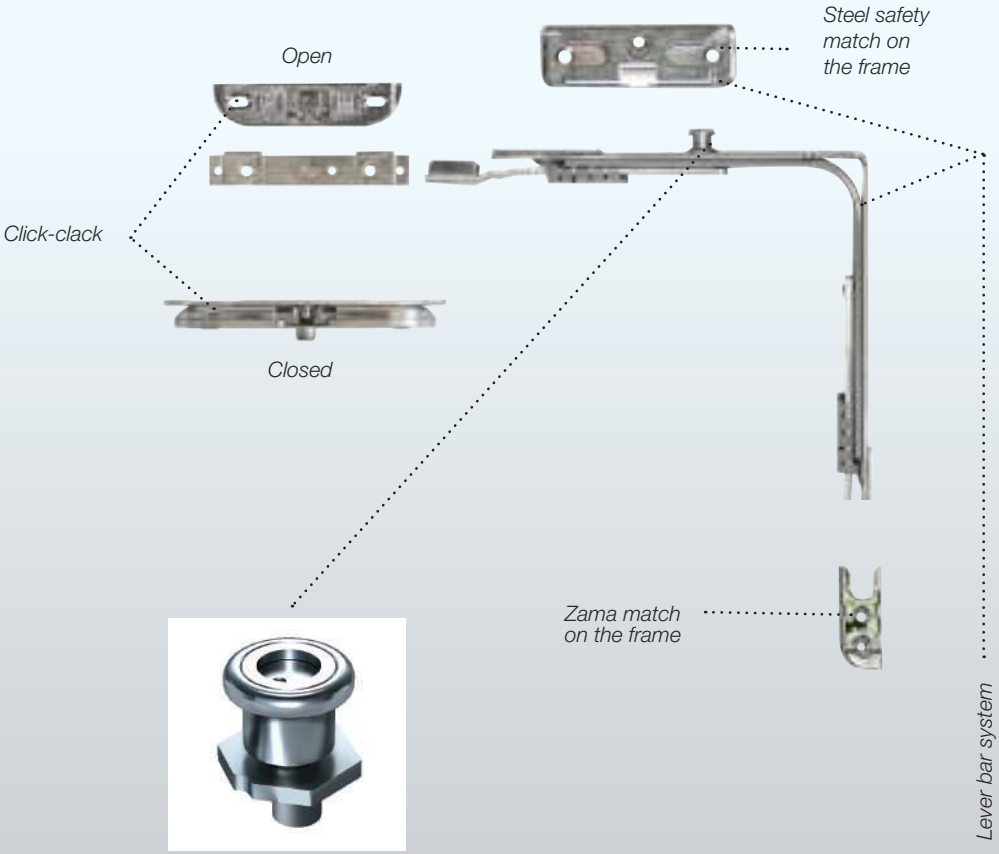


*Example of hardware of receiving sash for window or french window in safety standard class**

Hinge Exacta with regulation on 3 axes

Hinge Exacta with regulation on 3 axes

Hinge Exacta with regulation on 3 axes



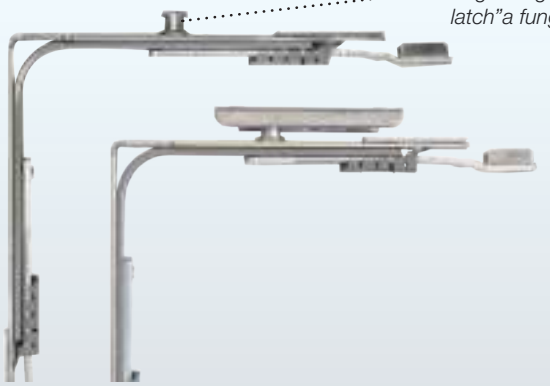
* *For hardware safety class RC1 and RC2 visit www.volumeserramenti.it*

** *On demand, a lever bar can be assembled instead of the click-clack, to better the safety standard*

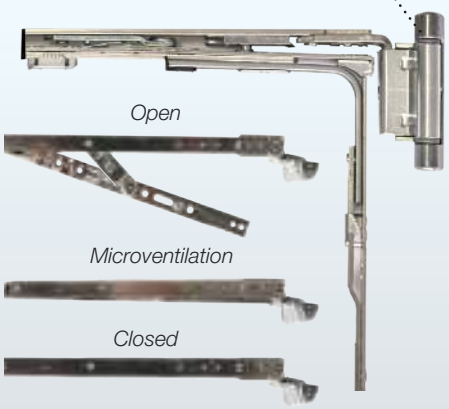
*Example of hardware of opening sash window or french window with folding sash in safety standard class**

Steel safety match on the frame

Regulating aluminium latch"a funghetto"



Hinge "a Tazza" for folding sash + microventilation



Open

Microventilation

Closed

Regulating aluminium latch"a funghetto"

Door handle with button or key (for safety class RC1 and RC2 or standard plus)

Anti-perforation plate (for safety class RC1 and RC2 or standard plus)

The rotating self-regulating latch "a funghetto"

Zama match on the frame

The rotating self-regulating latch"a funghetto", which is unique in its kind, thanks to a click that prevents forcing

Sash lifting truck

Hinge "a Tazza" for folding shutter + microventilation

Steel safety match on the frame

Exemple de quincaillerie battant recevant pour fenetre ou porte fenetre en classe de sécurité standard

Paumelle Exacta réglable sur 3 axes

Ouvert

Click-clack

Fermé

Contrôle de sécurité en acier sur châssis

Contrôle en zama sur le battant

Cliquet champignon enregistrable en acier

Paumelle Exacta réglable sur 3 axes

*Baguette à levier ***

Système Baguette à levier

** Pour quincaillerie en classe de sécurité RC1et RC2 consultez le site www.volumeserramenti.it*

*** Sur la demande du client la baguette à levier est monté en replacement du click-clack pour augmenter la sécurité standard*

Paumelle Exacta réglable sur 3 axes

Click-clack

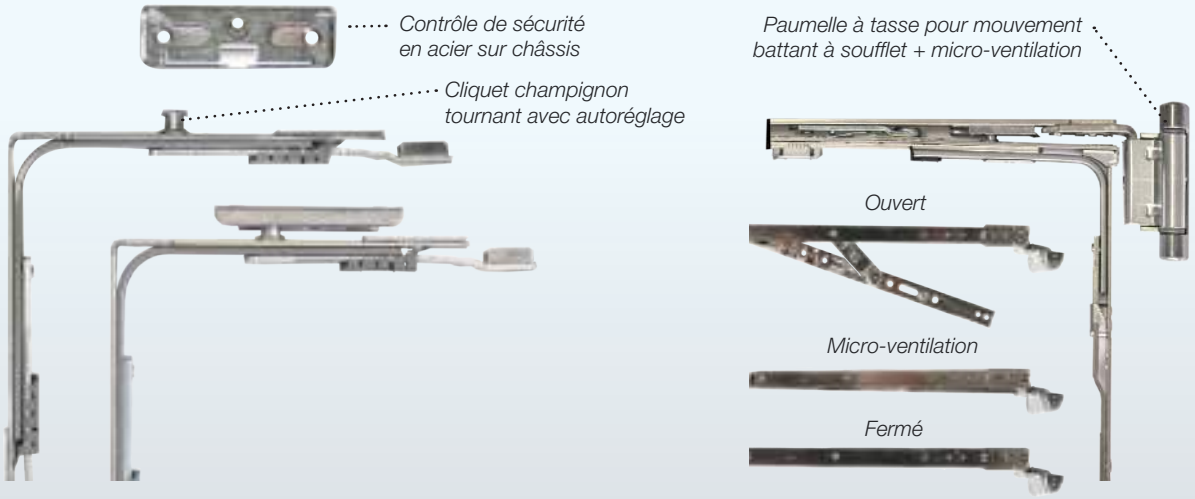
Fermé

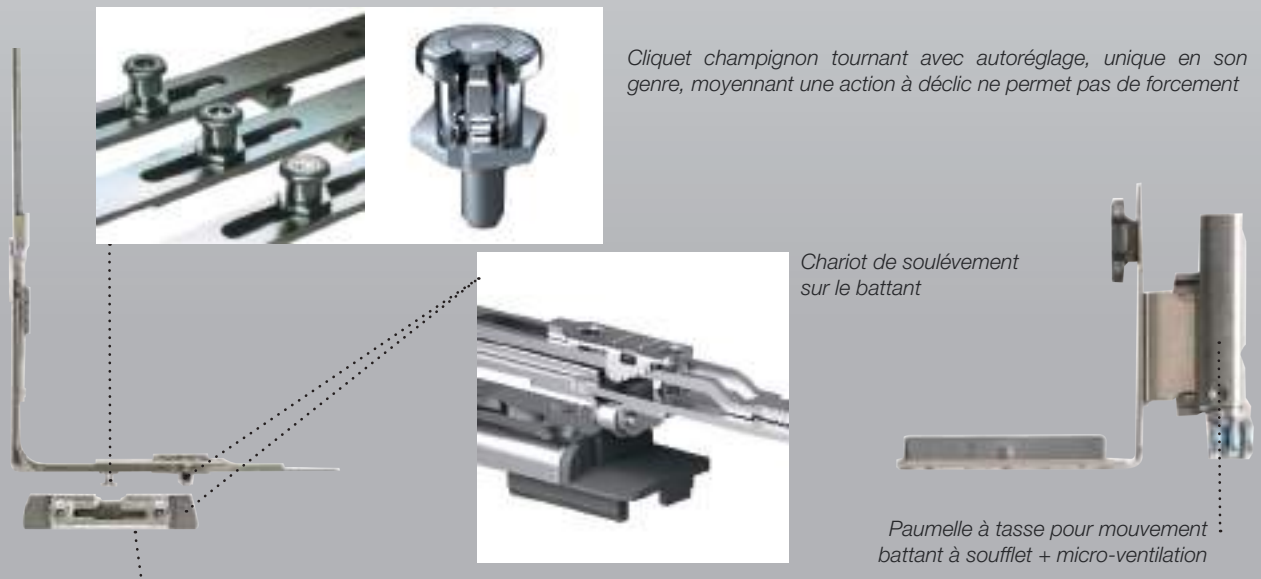
Cliquet champignon enregistrable en acier

Ouvert

Contrôle de sécurité en acier sur châssis

*Exemple de quincaillerie battant ouvrable pour fenetre ou porte-fenetre avec battant à soufflet**





FERRAMENTA

Hardware / Quincaillerie

Cerniere e copri cerniere / *Hinge and hinge cover* / Paumelles et couvre-paumelles

Exacta Ø 16 mm

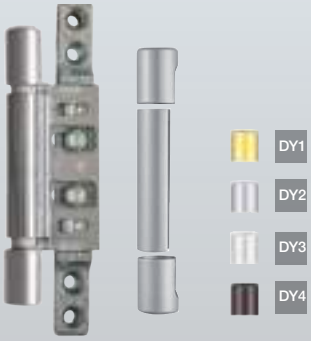
regolabile sui 3 assi
adjustable on 3 axes
réglable sur 3 axes

Ursus Ø 16 mm

regolabile sui 3 assi
adjustable on 3 axes
réglable sur 3 axes

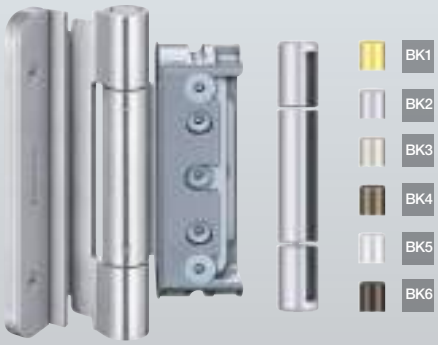
a Tazza

regolabile sui 3 assi
per anta a ribalta
adjustable on 3 axes
for folding sash
réglable sur 3 axes
pour battant à soufflet



Dynamic 3D

regolabile sui 3 assi
adjustable on 3 axes
réglable sur 3 axes



Baka

regolabile sui 3 assi
adjustable on 3 axes
réglable sur 3 axes

FS

per terza anta
regolabile sui 2 assi
for third sash
adjustable on 2 axes
pour troisième battant
réglable sur 2 axes

Maniglie standard in aluminio / *Aluminium standard door handles* / Poignées standard en aluminium

M1 *Finitura Argento*

Silver finish

Fini Argent

M2 *Finitura Bronzo*

Bronze finish

Fini Bronze

Per la gamma completa di maniglie consultare il sito www.volumeserramenti.it

For the complete range visit the website www.volumeserramenti.it

Pour la gamme complète des poignées consultez le site www.volumeserramenti.it

GARANZIE

Guarantees / Garanties

QUALITÀ & AFFIDIBILITÀ

Quality & Reliability / Qualité & fiabilité

10 **ANNI GARANZIA**

10 YEAR GUARANTEE / 10 ANS DE GARANTIE

- Funzionalità dei serramenti
- Verniciatura
- Vetri
- Rivestimento esterno in alluminio
- Ferramenta
- Guarnizioni

- Door and windows operation
- Varnish
- Glass
- External aluminium covering
- Hardware
- Seals

- Fonctionnalité des portes et fenetres
- Peinture
- Verres
- Révetement externe en alluminium
- Quincaillerie
- Scellés

Le garanzie sono valide a condizione che vengano rispettate le indicazioni presenti nelle " Istruzioni per la posa in opera dei serramenti Volume" e nel " Manuale d'uso e manutenzione Volume".
Esclusioni specifiche, danni causati da:
• tentativi di furto e/o urti • utilizzo di materiali di pulizia non idonei • agenti atmosferici
Decorrenza della garanzia
La decorrenza della garanzia è efficace ad avvenuta consegna del prodotto con riferimento alla data del documento di trasporto.

Guarantees are valid on condition that all the instructions included in "Instructions for the laying of Volume's doors and windows" and "Volume's use and maintenance handbook" are respected.
Specific exclusions, damage by:
• Attempted of theft and/or collision • Usage of unsuitable cleaning materials • Atmospheric agents
Guarantee - When does it start?
Guarantee becomes effective after delivery, with reference to the date of transport document

Les garanties sont valables a condiction que les indications présentes dans « Instructions pour la pose en œuvre des portes et fénetres Volume » soient respectées et dans le « Manuel d'utilisation et manutention Volume.
Exclusions spécifiques, des dommages causés par :
• tentatifs de vols et/ ou chocs • utilisation de produits de nettoyage non appropriés • agents atmosphériques
Début de garantie
Le début de la garantie est efficace à la livraison du produit, avec référence à la date du document de transport.

SICUREZZA VETRO *Safety glass* / Verre de sécurité

Per quanto concerne la tipologia di vetro installata la Volume Serramenti, declina ogni responsabilità qualora il cliente non rispetti le normative di legge vigenti nel proprio Paese in materia di sicurezza dei serramenti.

Volume Serramenti refuses all responsibility regarding glass tipe if the customer doesn't respect the laws in force in his/her country regarding door and window safety.

En ce qui concerne le type de verre installé , la Volume Serramenti décline toute responsabilité si le client ne respecte pas les normes de sécurité de son propre pays.

CAMPIONARIO COLORI **ALLUMINIO**

Aluminium Sample colours / Échantillons couleurs aluminium

COLORI RAL *RAL Colours* / Couleurs RAL

RAL 1013

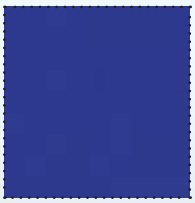
C1

RAL 3003

C2

RAL 3005

C3


RAL 5010

C4

RAL 5011

C5

RAL 5014

C6

RAL 5024

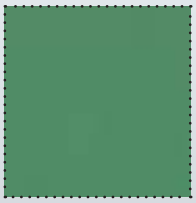
C7

RAL 6005

C8

RAL 6009

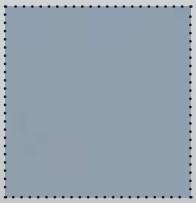
C9


RAL 6011

C10

RAL 6019

C11


RAL 7001

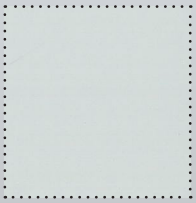
C12

RAL 7012

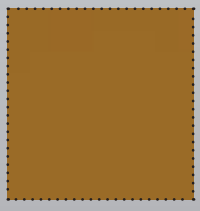
C13

RAL 7016

C14


RAL 7035

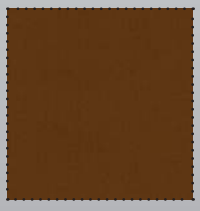
C15


RAL 8001

C16

RAL 8003

C17


RAL 8007

C18

RAL 8011

C19

RAL 8014

C20

Le tinte in catalogo hanno valore puramente indicativo
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CAMPIONARIO COLORI **ALLUMINIO**

Aluminium Sample colours / Échantillons couleurs aluminium

RAL 8017

C21

RAL 8019

C22

RAL 9005

C23

RAL 9006

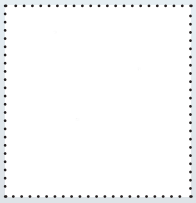
C24

RAL 9007

C25

RAL 9010

C26



RAL 9016

C27

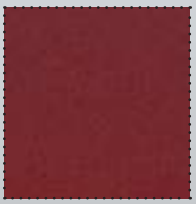
COLORI RAL EFFETTO RUVIDO *RAL Colours rough effect* / Couleurs RAL effet rugueux

RAL 1013

C28

RAL 1019

C29



RAL 3004

C30

RAL 3005

C31

RAL 5010

C32

RAL 5011

C33

RAL 5014

C34

RAL 6005

C35

RAL 6009

C36

RAL 6019

C37

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CAMPIONARIO COLORI **ALLUMINIO**

Aluminium Sample colours / Échantillons couleurs aluminium

RAL 6021

C38

RAL 7012

C39

RAL 7016

C40

RAL 7035

C41

RAL 7039

C42

RAL 8011

C43

RAL 8014

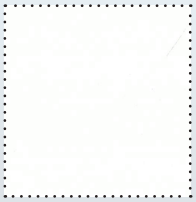
C44

RAL 8017

C45

RAL 8019

C46


RAL 9001

C47

RAL 9005

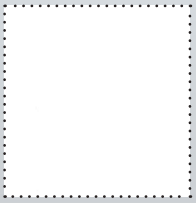
C48

RAL 9006

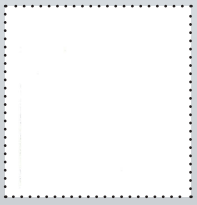
C49

RAL 9007

C50


RAL 9016

C51


RAL 9010

C52

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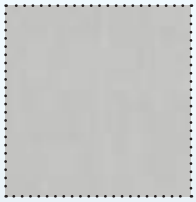
CAMPIONARIO COLORI **ALLUMINIO**

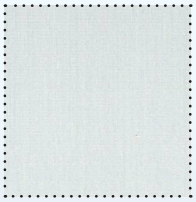
Aluminium Sample colours / Échantillons couleurs aluminium

OSSIDATI *Oxidized* / Oxydés



INOX

C53



AK1

C54

B15

C55

B20

C56

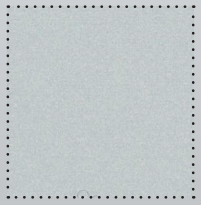
E24

C57

E28

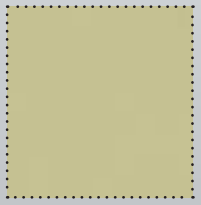
C58

METALLIZZATI Metallized / Métallisés



XP10

C59



XP20

C60

XP30

C61

XP40

C62

XP50

C63

XP60

C64

XP70

C65

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CAMPIONARIO COLORI **ALLUMINIO**

Aluminium Sample colours / Échantillons couleurs aluminium

DECORATI LEGNO *Wood decorated* / Décorés bois

DRT1

C66

DRM1

C67

DRN1

C68

DRR V

C69

DRC3

C70

DRC1

C71

DRD1

C72

DRP1

C73

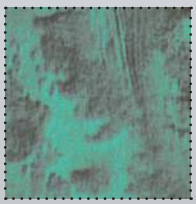
DRRS

C74

DECORATI METALLO *Metal decorated* / Décorés métal

DMCT

C75



DMRV

C76

DMZN

C77

CAMPIONARIO OSSIDATURE BRONZO

B

C78

BA

C79

R

C80

Bronze oxidized sample
Echantillons oxydations bronze

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CAMPIONARIO COLORI **ALLUMINIO**

Aluminium Sample colours / Échantillons couleurs aluminium

CORIUM *Corium* / Corium

CR10

C81

CR20

C82

CR30

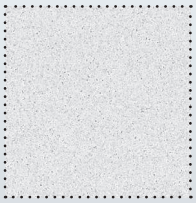
C83

CR40

C84

CR50

C85



CR60

C86

SABLÉ *Sablé* / Sablé

S100

C87

S400

C88

S500

C89

S700

C90

BRUNELLESCHI *Brunelleschi* / Brunelleschi

BR-B

C91

BR-G

C92

BR-V

C93

BR-R

C94

BR-M

C95

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CAMPIONARIO COLORI **LEGNO**

Wood *sample colours* / Echantillons couleurs bois

Rovere Chiaro
C96

Cipresso
C97

Pino
C98

Rovere
C99

Castagno
C100

Rovere Medio
C101

Teak
C102

Noce
C103

Marrone
C104

Verde
C105

Transparente bianco
C106

Effetto Antico
C107

Ton 2
C108

Rovere Bolzano
C109

Acqua
C110

Bianco
C111

Larice
C112

Farblos
C113

Teknoshield
C114

Teknocoat
C115

Volume utilizza il ciclo di verniciatura a 4 mani a normativa Europea (EN335), utilizzando prodotti all'acqua con sostanze attive ecologiche approvate da BPD. Su richiesta del cliente è possibile personalizzare i colori. Il reparto di verniciatura dell'azienda fornisce campioni di colori applicati su listelli del legno scelto per i serramenti.

Volume uses 4 coats painting cycles to European standard (EN335), using environmentally friendly water-based products with active substances approved by BPD. Uponcustomer's request it is possible tu customize the colours. The painting department of the company provides samples of colours applied on strips of wood chosen for the window.

Volume à l'aide de la peinture à 4 couches à la norme européenne (EN335 de), en utilisant des produits à base d'eau respectueux de l'environnement avec des substances actives approuvées par BPD. À la demande du client, il est possible de personnaliser les couleurs. Le département de la peinture de la société fournit des échantillons de couleurs appliquées sur des bandes de bois choisies pour les fenêtres.

CERTIFICAZIONI

Approvals / Certifications

Isolamento termico *Thermic isolation* / Isolement thermique

In gergo tecnico viene definito “trasmittanza termica” ed è indicato con il simbolo Uw, secondo la normativa UNI EN 10077-1. Più basso è il valore Uw migliore è la prestazione del serramento. Il valore Uw dei serramenti Volume varia da 1.6 a 0,7.

Technically defined “thermic transmission” identified with the symbol Uw, in accordance with the UNI EN 100077-1 regulations. The lower the Uw value, the better the door performance. The Uw value of Volume doors and windows varies from 1,6 to 0,7.

Dans le langage technique il est défini par « transmetteur thermique ». Et il est indiqué avec le symbole Uw, selon les normes UNI EN 10077-1. Plus basse est la valeur Uw meilleure est la prestation de la fermeture. La valeur Uw des portes et fenêtres Volume varie de 1,6 à 0,7.

Isolamento acustico *Acoustic isolation* / Isolement acoustique

Viene misurato in decibel (dB) ed è indicato con il valore Rw, secondo la normativa UNI EN 140/3 e UNI EN ISO 717-1. Più alto è il valore Rw maggiore è l’isolamento acustico. IL valore Rw dei serramenti Volume varia da un minimo di 30 dB ad un massimo di 49 Db.

Measured in decibel (dB)and identified with the value Rw, according to UNI EN 140/3 and UNI EN ISO717-1 regulations. The higher the Rw value, the better the acoustic isolation. The Rw value of Volume Doors and windows varies from 30dB to 49dB.

Il est mesuré en décibel (dB) et il est indiqué avec la valeur Rw. Selon les normes UNI EN 140/3 et UNI EN ISO 717-1. Plus élevée est la valeur Rw meilleure est l’isolement acoustique. La valeur Rw des portes et fenêtres Volume varie d’un minimum de 30 dB à un maximum de 49 dB.

Tenuta all’acqua *Waterproof* / Tenue à l’eau

Suddivisa in classi (da 1A a 9A) e per serramenti che superano la classe 9A, in classe E+, secondo la normativa UNI EN 12208.
Misura la capacità di un serramento chiuso di impedire infiltrazioni d’acqua.
I serramenti “Volume” sono tutti in classe E+.

Divided into classes (from 1A to 9A) and for doors and windows exceeding class 9A, into class E+, according to UNI EN 12208 regulations. Waterproofing measures the capacity of a locked door or window to avoid water seepage. Volume doors and windows are all class E+.

Subdivisée en classes (de 1A à 9A) et pour les fermetures qui dépassent la classe A9, en classe E+ la pression Pascal à laquelle elles résistent selon les normes UNI EN 12 208. Mesure la capacité des portes et fenêtres fermées d’empêcher les infiltrations d’eau. Les portes et fenêtres Volume sont toutes en classe E+

CERTIFICAZIONI

Approvals / Certifications

Permeabilità all'aria *Air permeability* / Permeabilité à l'air

Suddivisa in classi (da 0 a 4), secondo la normativa UNI EN 12207. Misura la capacità di un serramento chiuso di impedire il passaggio all'aria. I serramenti "Volume" sono tutti in classe 4.

Divided into classes (from 0 to 4) according to UNI EN 1220 regulations. Air permeability measures the power of locked doors and windows to prevent the passage of air. Volume doors and windows are all in class 4.

Subdivisée en classe (de 0 à 4) selon les normes UNI EN 12 207. Mesure la capacité d'une fermeture d'empêcher le passage de l'air. Les portes et fenêtres Volume sont toutes en classe 4.

Resistenza al carico del vento

Wind load resistance / Résistence à la charge du vent

Suddivisa in classi (da C0 a C5), secondo la normativa UNI EN 12210.
Misura la tenuta meccanica di un serramento a violenti colpi di vento.
I serramenti "Volume" variano dalla classe C3 alla classe C5.

Divided into classes (from C0 to C5), in accordance with UNI EN 12210 regulation. Wind load resistance measures the mechanic resistance against strong wind. Volume doors and windows vary from class C3 to class C5.

Résistance à la puissance du vent, subdivisée en classes (de C0 à C5). Selon les normes UNI EN 12210. Mesure la tenue mécanique d'une fermeture aux violents coups de vent. Les portes et fenêtres Volume varies de la classe C3 à la classe C5.

Ferramenta *Hardware* / Quincaillerie

Consultare il link / *See link* / Consultez le link
http://zertifikate.ift-rosenheim.de/links_zertifizierte.php?id=106246810

Certificazione europea

European certification / Certification européenne

Piemonte Eccellenza Artigiana
PERCHE' LA QUALITA' RICONOSCIUTA SIA RICONOSCIBILE

Certificazione Eccellenza Artigiana Piemonte

Certification of Artisan Excellence in Piedmont

Certification d'Excellence artsanale Piémont

volume SERRAMENTI