

C77K

Finestre isolate *Insulated windows*

► Manuale Tecnico
Technical manual

REVISIONI / UPDATES

La tabella sotto riportata elenca le ultime modifiche apportate al catalogo.
Eventuali aggiornamenti saranno pubblicati sul sito web.
Scansiona o clicca il QR code per consultare l'ultima versione.



ULTIMA REVISIONE
LATEST UPDATE

The below index show the latest revisions.
Any updates will be published on the website.
Scan or click the QR code to download the latest version.

VERSIONE VERSION	REVISIONE REVISION	DATA DATE	DESCRIZIONE DESCRIPTION	PAGINA PAGE
4	B	10.01.2025	Cambiata distinta ferramenta <i>Changed hardware list</i>	8.11 - 8.15
4	A	31.10.2024	Nuova ferramenta ak+ <i>New ak+ hardware</i>	Intero manuale <i>Complete manual</i>
3	B	05.02.2024	Inserito angolo parasigolo V54013 <i>Inserted V54013 corner protector</i>	3.28
3	A	13.10.2023	Nuove guarnizioni piate (V00024, V00025, V00026 e V00027) <i>New flat gaskets (V00024, V00025, V00026 e V00027)</i>	repp. 4 e 7
		20.07.2023	Nuova guarnizione di giunto aperto (V02024) <i>New central gasket (V02024)</i>	Intero manuale <i>Complete manual</i>
		22.06.2023	Inserita guarnizione V09050 (in alcuni casi sostituisce la 800165) <i>Inserted gasket V09050 (replaces 800165 in some cases)</i>	Intero manuale <i>Complete manual</i>
		05.06.2023	Cambiati tutti i profili d'anta <i>Changed all sash profiles</i>	Intero manuale <i>Complete manual</i>
		26.05.2023	Corrette quote <i>Corrected dimensions</i>	6.21
		16.05.2023	Aggiunti profili "inglesina" (N43923/N43924/N43926) <i>Added "Inglesina" profiles (N43923/N43924/N43926)</i>	Intero manuale <i>Complete manual</i>
2	C	17.05.2023	Allineamento all'ultima versione disponibile <i>Alignment to the latest available version</i>	repp. 3 e 4
2	B	04.2022	Inserito H48816 <i>H48816 added</i>	3.24
2	A	01.03.2022	Inseriti nuovi fermavetri squadretti <i>New square glazing beads inserted</i>	5.51 - rep.7
			Inseriti nuovi bracci anta/ribalta <i>Added new turn and tilt arms</i>	rep.3
		20.01.2021	Aggiornamento generale <i>General update</i>	Intero manuale <i>Complete manual</i>
		02.09.2020	Aggiornamento generale <i>General update</i>	Intero manuale <i>Complete manual</i>
1	A	01.06.2020	Prima emissione <i>First issue</i>	Intero manuale <i>Complete manual</i>

Le informazioni contenute in questi disegni sono di proprietà intellettuale esclusiva di AluK S.A.
Possono essere utilizzate al solo scopo per cui sono state fornite e non devono essere riprodotte, memorizzate o diffuse a terzi in qualsiasi modo o forma senza il permesso scritto di AluK S.A.
La politica AluK S.A. di miglioramento continuo determina il diritto di apportare modifiche senza preavviso.

Information contained in this drawing is the exclusive intellectual property of AluK S.A.
It may only be used for the purpose to which it has been supplied and must not be reproduced, stored or disseminated to third parties in any way or form without the prior written permissions of AluK S.A.
The AluK S.A. policy of continuous improvement determines the right to make the modifications without prior warning.

DESCRIZIONE <i>DESCRIPTION</i>	REPERTORIO <i>SECTION</i>
Specifiche tecniche <i>Specification</i>	1.00
Indice profili <i>Profile index</i>	2.00
Accessori <i>Accessory index</i>	3.00
Guarnizioni e profili in plastica <i>Gaskets & plastic profile index</i>	4.00
Profili <i>Profile section</i>	5.00
Nodi tipici <i>Typical detail</i>	6.00
Tavole di Vetrazione <i>Glazing detail</i>	7.00
Distinte di taglio <i>Cutting list</i>	8.00

Section 1

Specifiche tecniche
Specification

NOTE GENERALI

Le dimensioni, gli spessori e il peso dei profilati indicati in questo catalogo sono teorici e potranno variare in funzione delle tolleranze previste dalla norma UNI EN 12020-2. Le distinte di taglio riportate in questo catalogo non possono tenere conto di queste possibili variazioni. Si raccomanda pertanto di eseguire il controllo sia dimensionale dei profilati nonché della precisione di taglio delle attrezzature in dotazione.

Il presente catalogo riporta per tutti i profilati le caratteristiche statiche e geometriche necessarie per il calcolo. Per stabilire le dimensioni massime dei telai si dovrà tenere conto dell'ubicazione dell'edificio e della spinta cinetica del vento. A tale scopo si consiglia la consultazione del D.M. 17 Gennaio 2018 "Norme Tecniche per le Costruzioni" e della norma nazionale UNI 11173.

Questo sistema costruttivo è stato studiato e collaudato nella sua integrità. L'uso del marchio AluK è consentito a condizione che vengano impiegati i componenti originali AluK (profilati, accessori, guarnizioni) e che vengano rispettate le indicazioni tecniche riportate in questo catalogo.

Il prodotto dovrà essere impiegato in conformità alle prescrizioni, normative e leggi vigenti nel paese di utilizzo. La società declina ogni responsabilità derivante dal mancato rispetto di quanto sopra.

Gli schemi applicativi dei telai alla muratura sono stati riportati a titolo esemplificativo, allo scopo di suggerire a progettisti e costruttori soluzioni razionali di installazione.

La Società si riserva la facoltà di apportare, in qualsiasi momento, le modifiche che riterrà opportune al fine di migliorare il prodotto.

Quanto rappresentato nel presente catalogo è di esclusiva proprietà di ALUK Group S.p.A. e, a termine di legge, ne è vietata la riproduzione totale o parziale.

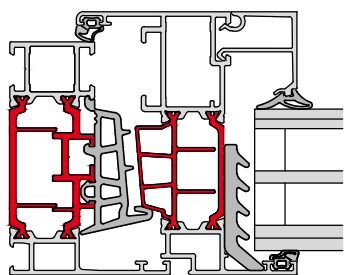
I profilati, gli accessori e le guarnizioni del sistema ALUK C77K riportati in questo catalogo sono coperti da brevetto.

» DESCRIZIONE DEL SISTEMA

La serie per serramenti con apertura a battente AluK C77K è stata progettata per consentire la costruzione di infissi di qualità, di dimensioni e pesi importanti, con particolare attenzione alle caratteristiche di permeabilità all'aria, tenuta all'acqua, prestazioni termiche, acustiche e antieffrazione.

I profili di stipite hanno una profondità di 77 mm mentre l'anta mobile ha una profondità di 87 mm, rendendo il sistema adatto all'alloggiamento di vetri e pannelli ad alto isolamento termoacustico e di sicurezza, con spessori fino a 62 mm per le specchiature fisse e 72 mm per quelle apribili.

Particolare attenzione è stata posta nello studio delle sezioni e nella scelta di materiali innovativi per le barrette isolanti e le guarnizioni al fine di massimizzarne la prestazione termica e adeguare il prodotto ai più alti livelli di isolamento termico richiesti dalle normative.



La trasmittanza termica U_f del nodo standard della finestra, rappresentato a fianco, è pari a $1.39 \text{ W/m}^2 \text{ K}$.

Questo consente di raggiungere valori U_w inferiori a $1.20 \text{ W/m}^2 \text{ K}$, calcolati sulla finestra campione standard utilizzando vetri monocamera, e prossimi a $0.90 \text{ W/m}^2 \text{ K}$ impiegando vetri tripli performanti.

Il nodo centrale della finestra a due ante può essere realizzato con riporto centrale oppure con soluzione "T+Z" per la riduzione degli ingombri.

La nuova gamma dei fermavetri presenta un incavo per ridurre la parte in vista delle guarnizioni interne.

L'assortimento dei telai e la gamma di regolatori di fissaggio disponibili, consentono di adattare il sistema alle diverse situazioni di posa in opera e collegamento a muro.

La serie C77K è dotata della cava accessori, denominata "K", dedicata e studiata appositamente da AluK per i propri sistemi a battente.

Con tale cava viene offerta la nuova gamma di accessori aK⁺:

- cerniere visibili per anta e anta-ribalta con portate a 130 e 180 kg
- cerniere nascoste per anta e anta-ribalta con apertura a 180° e portate a 100 e 150 kg
- variante apparecchiatura con apertura ribalta-anta
- meccanismi di chiusura con nottolino senza interruzione dell'asta
- gamma maniglie rinnovata con meccanismo incassato
- variante ferramenta antieffrazione.

Un'unica guarnizione viene utilizzata con funzione di tenuta sul piano esterno dei vetri e di battuta interna delle ante.

La geometria delle sezioni e le caratteristiche dei materiali di tenuta adottati garantiscono ottime prestazioni termiche U_f . I conseguenti valori U_w permettono, all'interno del protocollo LEED, di raggiungere fino a 3 crediti (in base alla versione utilizzata, alla zona climatica, al rapporto S/V, all'orientamento dell'edificio, esposizione, caratteristiche dell'involucro e impiantistiche, ecc.) riferiti all'ottimizzazione delle prestazioni energetiche secondo la norma UNI/TS 11300/2008.

La serie C77K offre pertanto un contributo nella progettazione di edifici sostenibili sia sotto il profilo energetico, sia dal punto di vista del consumo di risorse ambientali coinvolte nel processo di realizzazione.

Particolare attenzione, vista la tenuta del sistema, sarà da porre al controllo termoigrometrico degli ambienti interni e, in particolare, ai ricambi d'aria, per evitare incrementi di umidità che potrebbero generare riduzioni del confort degli occupanti e fenomeni di condensazione o muffe sulle superfici interne.

Si ricorda che i serramenti prodotti, prima di essere immesse sul mercato Comunitario, dovranno garantire la rispondenza ai requisiti imposti dal Regolamento Europeo sui Prodotti da Costruzione (n. 305/2011).

Il Costruttore dovrà apporre la marcatura CE come attestazione di conformità ai requisiti imposti dalla norma di riferimento UNI EN 14351-1 "Finestre e porte - Norma di prodotto, caratteristiche prestazionali. Parte 1: Finestre e porte esterne pedonali senza caratteristiche di resistenza al fuoco e/o di tenuta al fumo"; il Costruttore è tenuto inoltre a garantire, per i requisiti essenziali contenuti nell'allegato ZA della suddetta norma, il rispetto dei livelli prestazionali minimi richiesti nel Paese di utilizzo del prodotto, dove previsti.

CARATTERISTICHE TECNICHE

PROFILATI

Per gli estrusi vengono impiegate billette allo stato omogeneizzato in lega EN AW-6060 con composizione chimica conforme alla norma EN 573-3 e caratteristiche meccaniche secondo norma EN 755-2, con tolleranze ristrette di composizione adatta per ossidazione anodica o verniciatura. Tutti gli estrusi vengono forniti allo stato fisico T6; le tolleranze dimensionali sono conformi alla norma EN 12020-2.

TAGLIO TERMICO

L'interruzione del ponte termico dei profilati è ottenuta tramite l'inserimento di speciali barrette in poliammide rinforzato, aggraffato meccanicamente agli estrusi in alluminio previa operazione di zigrinatura.

La trasmittanza termica media dei telai U_f ricavata da calcolo in conformità alla norma EN ISO 10077-2 è riportata nell'apposito repertorio del presente catalogo tecnico.

GUARNIZIONI

Le guarnizioni, sia statiche, sia dinamiche, sono realizzate EPDM (elastomero etilene-propilene) con livelli di compattezza ed espansione differenziati in funzione dell'impiego.

ACCESSORI

Gli accessori di fabbricazione AluK sono stati progettati per un impiego semplice e razionale utilizzando materiali di primaria qualità.

VETRAZIONE

Il sistema permette l'applicazione di pannelli o vetri di spessore compreso tra 24 e 62 mm in camera singola o doppia. Per la scelta del tipo di vetro, il montaggio, le tassellature e l'eventuale sigillatura, l'utilizzatore dovrà attenersi scrupolosamente alle prescrizioni dei produttori di vetri. Il bloccaggio dei vetri avviene tramite fermavetri in alluminio e guarnizioni esterne e interne in EPDM.

» TRATTAMENTI SUPERFICIALI

OSSIDAZIONE ANODICA

Il trattamento di ossidazione anodica viene eseguito secondo le Direttive Tecniche del marchio di qualità europeo QUALANOD.

Lo spessore minimo obbligatorio dell'ossido per architettura per uso esterno è di 15 micron, che può essere aumentato a classi maggiori (20 e 25) a seconda delle richieste del cliente e/o delle norme vigenti nei Paesi di destinazione.

VERNICIATURA

La verniciatura è del tipo a polvere ed il colore può essere scelto nella gamma dalla cartella RAL, secondo nostra mazzetta colori e/o secondo specifiche richieste del cliente.

Lo spessore minimo obbligatorio del film di vernice per architettura per uso esterno è di 60 micron.

Tutto il ciclo di verniciatura dei profili viene svolto nel pieno rispetto delle normative previste per il marchio di qualità QUALICOAT.

SUBLIMAZIONE

Il processo di sublimazione consente di riprodurre l'effetto legno sui profilati in alluminio con il trasferimento di uno speciale inchiostro per mezzo di pressione e calore.

GENERAL REMARKS

Dimensions, thickness, and weight of aluminium sections shown in this catalogue are merely theoretical and they can change according to allowances provided for in EN 12020-2 standard. Cutting lists shown in this catalogue do not take into account these possible variations. Therefore, we recommend to carefully checking aluminium sections dimensions as well as cutting accuracy of machinery.

This catalogue provides for static and geometric characteristics of all sections, necessary when working out calculations. In order to evaluate the maximum frames size, you'll have to take into account the location of the building and the wind pressure.

This structural system has been designed and tested as a whole. The use of the ALUK brand is permitted only when original ALUK components (sections, accessories, and gaskets) are employed and when the technical specifications given in this catalogue are complied with.

The product shall be used in accordance with prescriptions, regulations and laws in force in the Country where the product itself is used. Our Company declines all responsibility resulting from non-compliance with the above listed instructions.

Schemes for the application of frames to brickwork shown, are just an indication to suggest rational installation systems to designers and manufacturers.

The Company reserves the right to make, at any time and without notice, all those necessary changes he think it right, to improve the product.

What shown in this catalogue is freehold property of ALUK Group SpA and, as by law enacted, total or partial reproduction is forbidden.

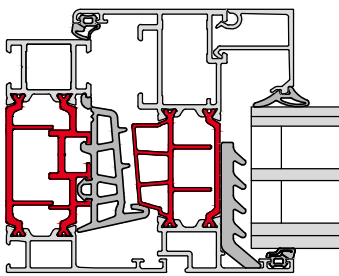
Sections, accessories and gaskets for ALUK C77K system shown on this catalogue are patent covered.

► TECHNICAL DESCRIPTION

The series AluK C77K for casements has been designed to allow the construction of high quality windows with important weights and dimensions with a particular attention to the air permeability, watertightness, thermal, acoustic and burglary resistant performances.

The outer frame has a depth equal to 77 mm whereas the movable sash has a depth of 87 mm, making the system suitable for housing of high thermo-acoustic insulation and safety glasses, with thickness up to 62 mm for the outer frame and 72 mm for the sash.

The thermal strips and the gaskets has been designed and studied with particular attention to innovative materials in order to raise the thermal performances at the maximum level.



The U_f value of the standard section of the window beside, is equal to $1.39 \text{ W/m}^2 \text{ K}$. This allows to get U_w values less than $1.20 \text{ W/m}^2 \text{ K}$ for standard size windows with double glazing and near to $0.90 \text{ W/m}^2 \text{ K}$ for performing triple glazing.

The central section of the double sashes window can be made with an additional profile or with a "T & Z" solution.

The glass beads have a groove in order to reduce the portion of the gaskets on view. The range of the outer frames and the adjusting blocks allows to fit the series C77K in a wide range of wall connections.

The C77K series is equipped with the accessory groove, called "K", dedicated and specifically designed by AluK for its casement systems.

The new range of accessories ak^+ is offered with this groove:

- visible hinges for turn-only and tilt-and-turn with 130 and 180 kg max. load
- hidden hinges for turn-only and tilt-and-turn, 180° opening, 100 and 150 kg max load
- hardware option with tilt before turn opening
- closing mechanisms with pawl without rod interruption
- renewed range of handles with built-in mechanism
- burglar-resistant hardware variant.

A single gasket is used for the external glazing and for the overlapping sections of the sashes.

The geometry of the sections and the adopted tightness material characteristics, guarantee excellent thermal performances U_f . The resulting values U_w permit to achieve up to 3 credits of LEED sustainable buildings protocol (depending on the climate zone, S/V ration, building orientation, exposure, building envelop and plant characteristics, ecc.) related to the optimization of energy performances.

The system C77K provides a contribution to the sustainable building design from an energy standpoint and environmental resources involved in the process of realization.

Particular attention, given the tightness of the system, will be put to the thermo-hygrometric control of the indoor climate, especially the air changes, to avoid humidity increases that could generate reductions of occupants comfort and condensations or mold on the internal surfaces.

The final product will have to respect the provisions of EU Construction Products Regulation (no 305/2011), with CE-marking apposed, as attestation of conformity according to the relevant clauses of EN 14351-1 "Windows and doors - Product Standard, performance characteristics. Part 1 Windows and external pedestrian doors without resistance to fire and/or smoke leakage characteristics".

The Manufacturer is obliged to respect, for the relevant clauses indicated in Annex ZA of this standard, the mandated levels or classes in the place of use, if applicable.

► TECHNICAL FEATURES

SECTIONS

The extruded aluminium sections are made from homogenised billets, EN AW-6060 alloy (Chemical composition according to EN 573-3 and mechanical properties according to EN 755-2 standard), with limited composition tolerances, suitable for anodising or painting.

All extruded aluminium sections are supplied at physical state T6; dimension tolerances are in compliance with EN 12020-2.

THERMAL BREAK

The thermal break is obtained by inserting some special reinforced polyamide bars, mechanically hooked to aluminium knurled extruded sections.

Mean thermal transmittance of frames U_f , calculated according to EN ISO 10077-2, is shown in the present technical catalogue .

GASKETS

Both static and dynamic gaskets are realized EPDM (ethylene-propylene elastomer).

ACCESSORIES

Accessories of the highest quality are expressly designed by ALUK itself to grant the utmost reliability and safety.

GLAZING

The system permits applications of glazing or panes with thickness from 24 to 62 mm on single or double insulated glazing units. Users must comply rigorously with the glazing specifications regarding selecting the type of glass, its installation, blocking and eventual sealing. Glass panes are blocked using aluminium stop-glazing and inner and outer EPDM gaskets.

» SURFACE TREATMENTS

ANODIZING

The anodising process is performed in compliance with Technical Directives of European quality mark QUALANOD.

The anodic oxide layer thickness is checked in compliance with international standard UNI EN ISO 2360 and/or national laws in the place of destination.

PAINTING

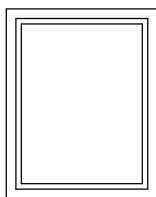
Painting is done with powders and colour can be chosen from the RAL range of colours, from our colour quire and/or based on customer's requirement.

SUBLIMATION

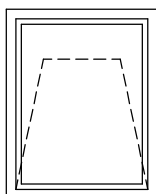
The industrial sublimation process allows to replicate the wood effect on the surfaces of the aluminium profiles by the effect of heat and pressure with the application of special inks.

► TIPOLOGIE REALIZZABILI - CONFIGURATION

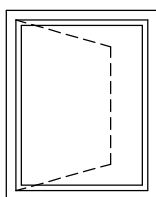
Telaio fisso
Fixed frame



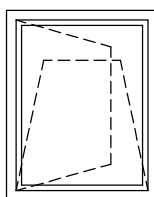
Finestra a vasistas
Bottom hung window



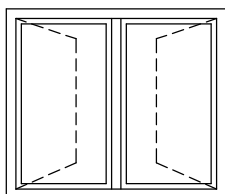
Finestra ad anta
Single wing window



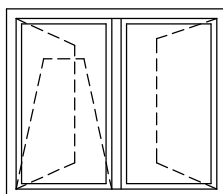
Finestra ad anta ribalta
Turn and tilt window



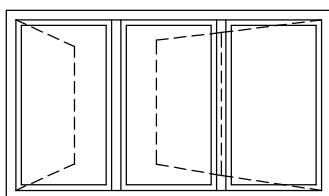
Finestra a due ante
Double wings window



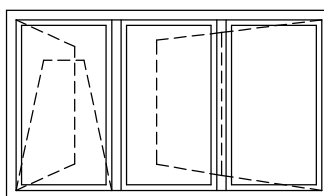
Finestra ad anta/anta ribalta
Turn/T&T window



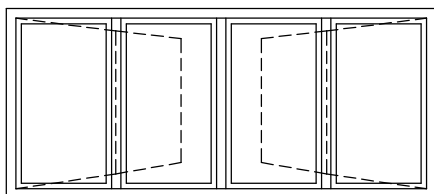
Finestra a tre ante
Three wings window



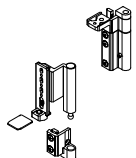
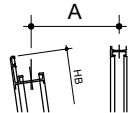
Finestra a tre ante con anta ribalta
Three wingd window with T&T



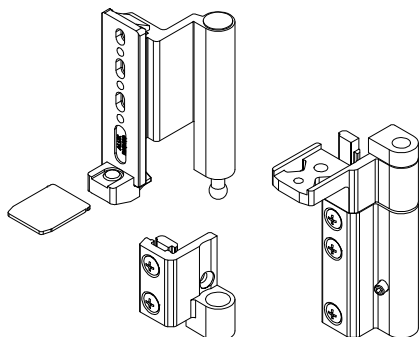
Finestra a quattro ante
Four wings window



LIMITI DI UTILIZZO COMPASSI E FALSE FORBICI **TURN & TILT TOP ARMS AND TURN-ONLY ARMS DIMENSIONAL LIMITS**

	CODICE CODE	LB_{Min} [mm]	LB_{Max} [mm]	HB_{Min} [mm]	Apertura (A) Opening	
130 kg 180 kg 	H48925	430	519	600	143	
	H48926	520	619	700	173	
	U48927	620	1059	700	173	
	H48927 + H48614	1060	1560	960	173	
	H48929	860	1560	780	173	
100 kg 	H48907 H48915	430	479	600	98	
	H48938 H48940	480	609	600	98	
	H48939 H48941	610	1059	900	148 ÷ 178	
	H48939/41 + H48614	1060	1560	960	148 ÷ 178	
150 kg 	H48942 H48944	480	609	600	98	
	H48943 H48945	610	1059	900	148 ÷ 178	
	H48943/45 + H48614	1060	1560	960	148 ÷ 178	
130 kg 180 kg 	H48930	300	1560	500	-	
	H48931	300	1560	500	-	
	H48930 + H48932	520	1560	500	-	
	H48931 + H48932	520	1560	500	-	

▶ PRINCIPALI TIPOLOGIE FERRAMENTA HARDWARE CONFIGURATION

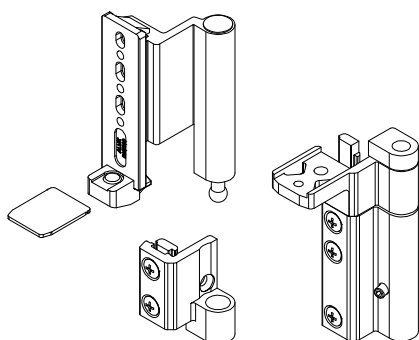


CERNIERE VISIBILI **VISIBLE HINGES**

PORTATA/MAX LOAD:
• 130 kg

APERTURA/ANGLE:
• 180°

TIPOLOGIE REALIZZABILI/CONFIGURATIONS:
• ANTA/TURN-ONLY
• ANTA - RIBALTA/T&T
• RIBALTA - ANTA/TBT
• VASISTAS/BOTTOM-HUNG WINDOW

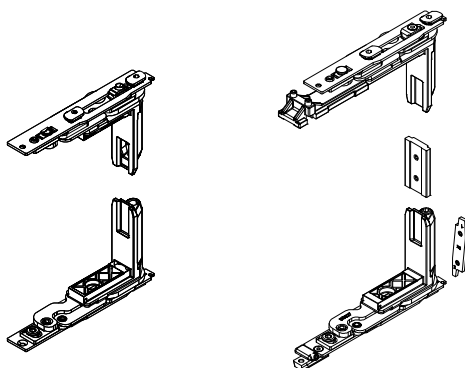


CERNIERE VISIBILI "HD" **"HD" VISIBLE HINGES**

PORTATA/MAX LOAD:
• 180 kg

APERTURA/ANGLE:
• 180°

TIPOLOGIE REALIZZABILI/CONFIGURATIONS:
• ANTA/TURN-ONLY
• ANTA - RIBALTA/T&T
• RIBALTA - ANTA/TBT



C180 CERNIERE NASCOSTE **C180 CONCEALED HINGES**

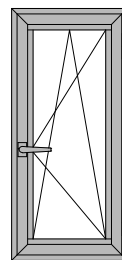
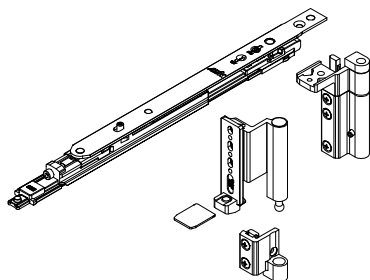
PORTATA/MAX LOAD:
• 100 kg
• 150 kg

APERTURA/ANGLE:
• 180°

TIPOLOGIE REALIZZABILI/CONFIGURATIONS:
• ANTA/SINGLE WING
• ANTA - RIBALTA/T&T
• RIBALTA - ANTA/TBT

> DIAGRAMMI PORTATA DELLA FERRAMENTA HINGE LOAD DIAGRAM

CERNIERA IN VISTA / PORTATA MAX 130 kg
 FRONTAL HINGE / MAX CAPACITY 130 kg

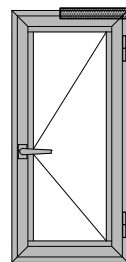
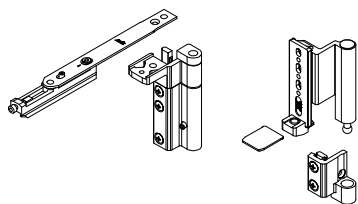


2 CERNIERE
 2 HINGES

HB (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	LB (mm)
2800													
2700													
2600	130	130	130	130	130	130	130	130	130	130	130		
2500	130	130	130	130	130	130	130	130	130	130	130		
2400	130	130	130	130	130	130	130	130	130	130	130		
2300	130	130	130	130	130	130	130	130	130	130	130		
2200	130	130	130	130	130	130	130	130	130	130	130		
2100	130	130	130	130	130	130	130	130	130	130	130		
2000	130	130	130	130	130	130	130	130	130	130	130		
1900	130	130	130	130	130	130	130	130	130	130	130		
1800	130	130	130	130	130	130	130	130	130	130	130		
1700	130	130	130	130	130	130	130	130	130	130	130		
1600	130	130	130	130	130	130	130	130	130	130	130		
1500	130	130	130	130	130	130	130	130	130	130	130		
1400	130	130	130	130	130	130	130	130	130	130	130		
1300	130	130	130	130	130	130	130	130	130	130			
1200	130	130	130	130	130	130	130	130					
1100	130	130	130	130	130	130	130						
1000	130	130	130	130	130								
900	130	130	130	130									
800	130	130	130										
700	130	130											
600													

DIAGRAMMI PORTATA DELLA FERRAMENTA HINGE LOAD DIAGRAM

CERNIERA IN VISTA / PORTATA MAX 130 kg
FRONTAL HINGE / MAX CAPACITY 130 kg

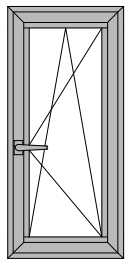
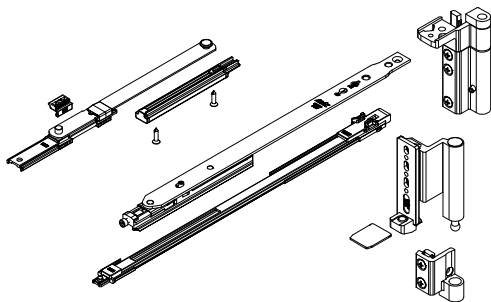


2 CERNIERE + **FALSA FORBICE**
2 HINGES + **TURN-ONLY ARM**

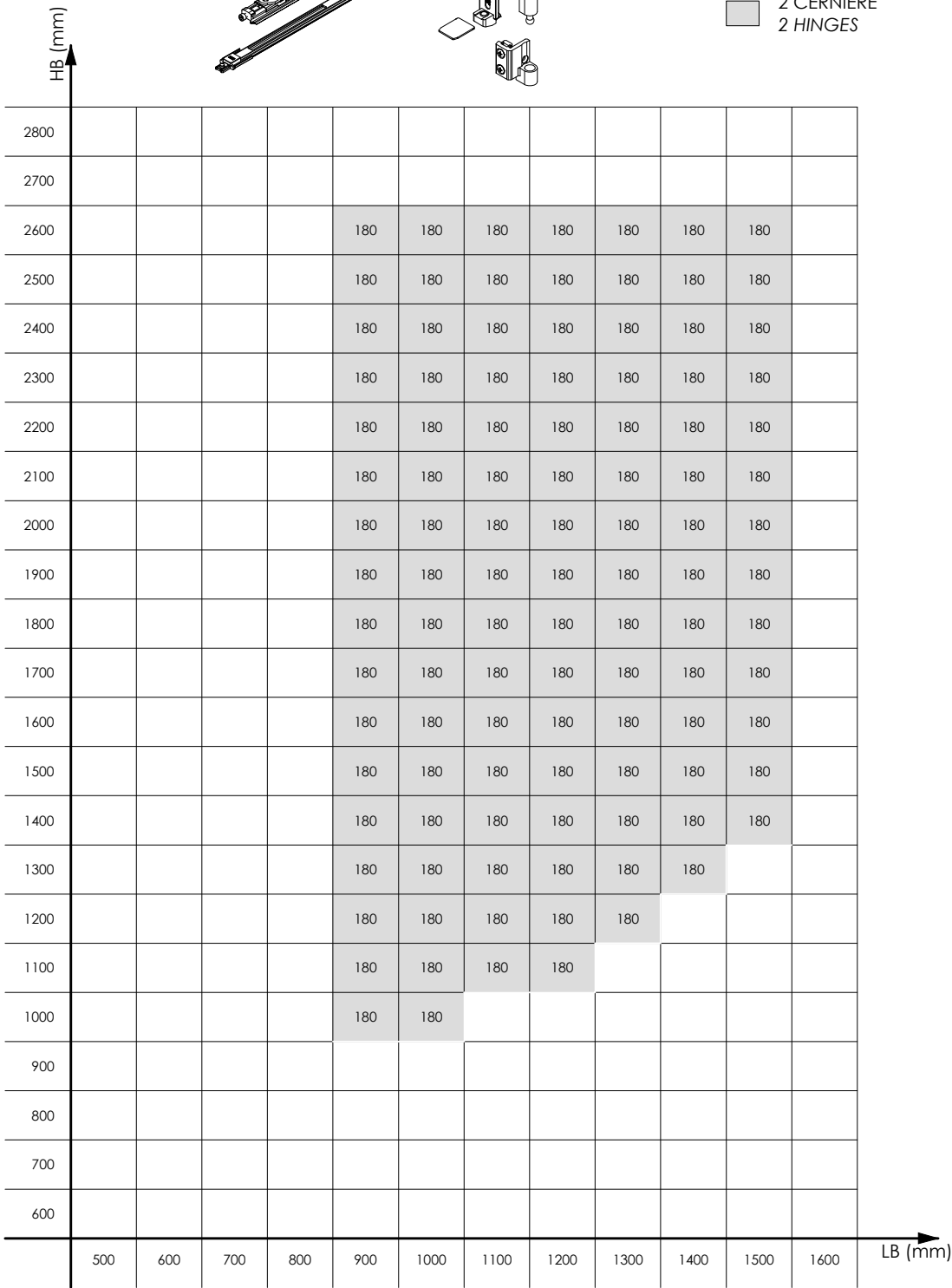
HB (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	LB (mm)
2800													
2700													
2600	130	130	130	130	130	130	130	130	130	130	130		
2500	130	130	130	130	130	130	130	130	130	130	130		
2400	130	130	130	130	130	130	130	130	130	130	130		
2300	130	130	130	130	130	130	130	130	130	130	130		
2200	130	130	130	130	130	130	130	130	130	130	130		
2100	130	130	130	130	130	130	130	130	130	130	130		
2000	130	130	130	130	130	130	130	130	130	130	130		
1900	130	130	130	130	130	130	130	130	130	130	130		
1800	130	130	130	130	130	130	130	130	130	130	130		
1700	130	130	130	130	130	130	130	130	130	130	130		
1600	130	130	130	130	130	130	130	130	130	130	130		
1500	130	130	130	130	130	130	130	130	130	130	130		
1400	130	130	130	130	130	130	130	130	130	130	130		
1300	130	130	130	130	130	130	130	130	130	130	130		
1200	130	130	130	130	130	130	130	130	130	130			
1100	130	130	130	130	130	130	130	130	130				
1000	130	130	130	130	130	130							
900	130	130	130	130	130								
800	130	130	130	130									
700	130	130	130										
600													

DIAGRAMMI PORTATA DELLA FERRAMENTA HINGE LOAD DIAGRAM

CERNIERA IN VISTA / PORTATA MAX 180 kg (HD)
 FRONTAL HINGE / MAX CAPACITY 180 kg (HD)

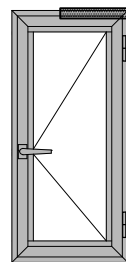
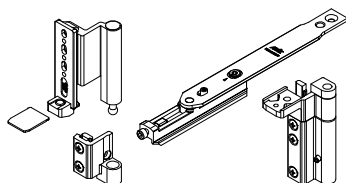


2 CERNIERE
 2 HINGES



DIAGRAMMI PORTATA DELLA FERRAMENTA HINGE LOAD DIAGRAM

CERNIERA IN VISTA / PORTATA MAX 180 kg (HD)
FRONTAL HINGE / MAX CAPACITY 180 kg (HD)

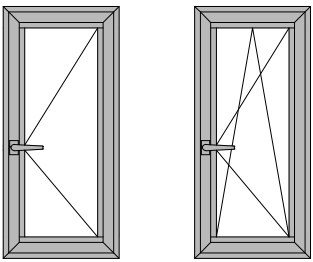
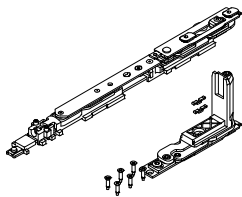


2 CERNIERE + FALSA FORBICE
2 HINGES + TURN-ONLY ARM

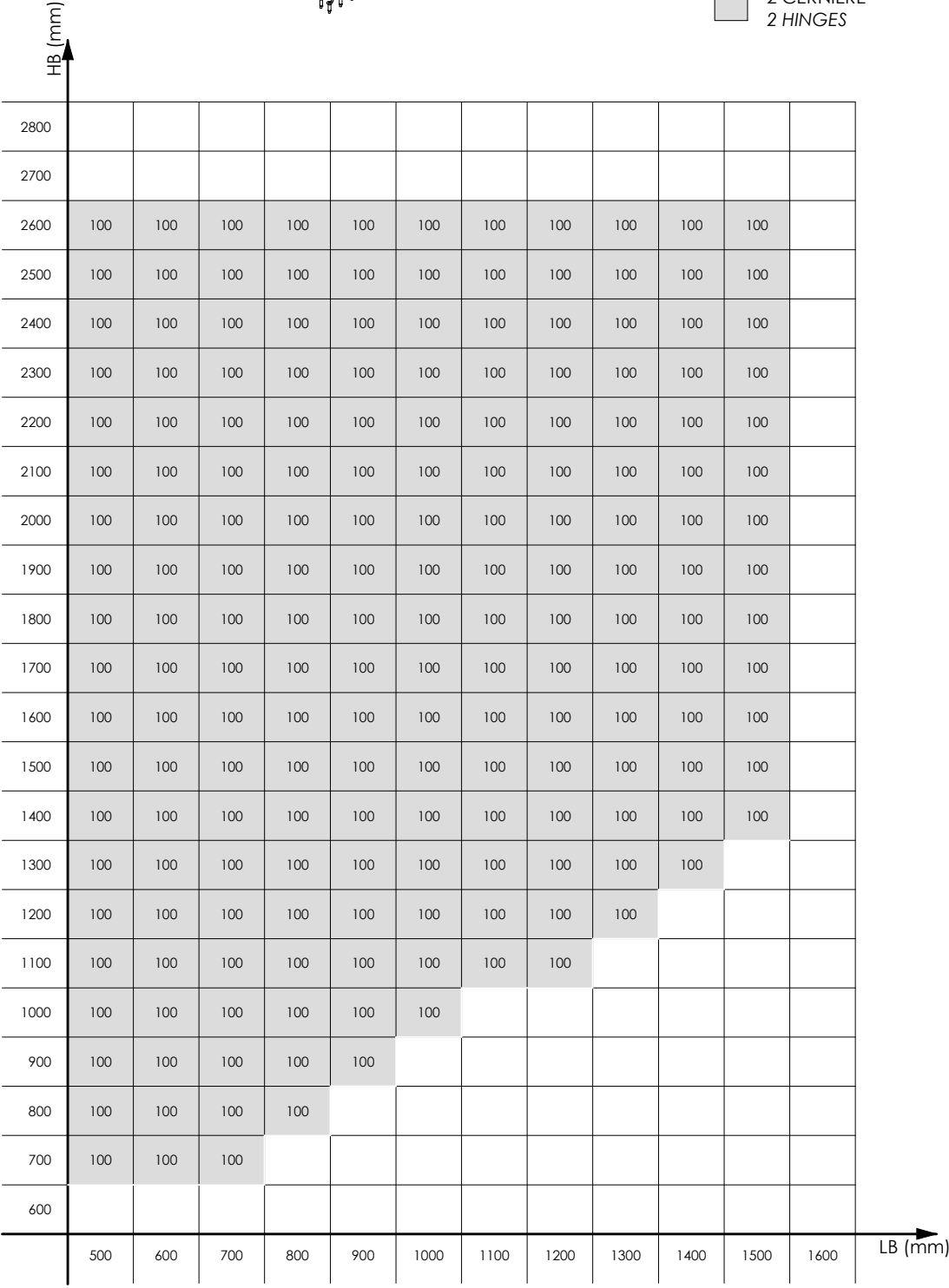
HB (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
2800												
2700												
2600	180	180	180	180	180	180	180	180	180	180	180	
2500	180	180	180	180	180	180	180	180	180	180	180	
2400	180	180	180	180	180	180	180	180	180	180	180	
2300	180	180	180	180	180	180	180	180	180	180	180	
2200	180	180	180	180	180	180	180	180	180	180	180	
2100	180	180	180	180	180	180	180	180	180	180	180	
2000	180	180	180	180	180	180	180	180	180	180	180	
1900	180	180	180	180	180	180	180	180	180	180	180	
1800	180	180	180	180	180	180	180	180	180	180	180	
1700	180	180	180	180	180	180	180	180	180	180	180	
1600	180	180	180	180	180	180	180	180	180	180	180	
1500	180	180	180	180	180	180	180	180	180	180	180	
1400	180	180	180	180	180	180	180	180	180	180	180	
1300	180	180	180	180	180	180	180	180	180	180		
1200	180	180	180	180	180	180	180	180	180			
1100	180	180	180	180	180	180	180	180				
1000	180	180	180	180	180	180						
900	180	180	180	180	180							
800	180	180	180	180								
700	180	180	180									
600												
	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600

▶ DIAGRAMMI PORTATA DELLA FERRAMENTA HINGE LOAD DIAGRAM

CERNIERA NASCOSTA APERTURA 180° / PORTATA MAX 100 kg
 CONCEALED HINGE 180° OPENING / MAX CAPACITY 100 kg

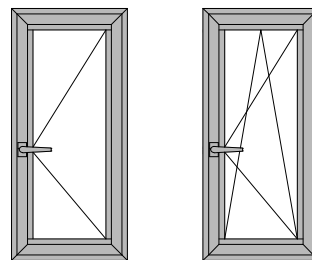
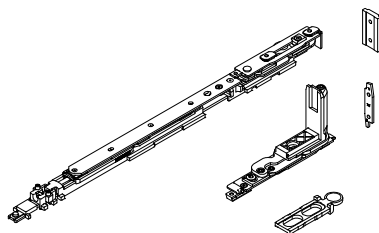


2 CERNIERE
 2 HINGES

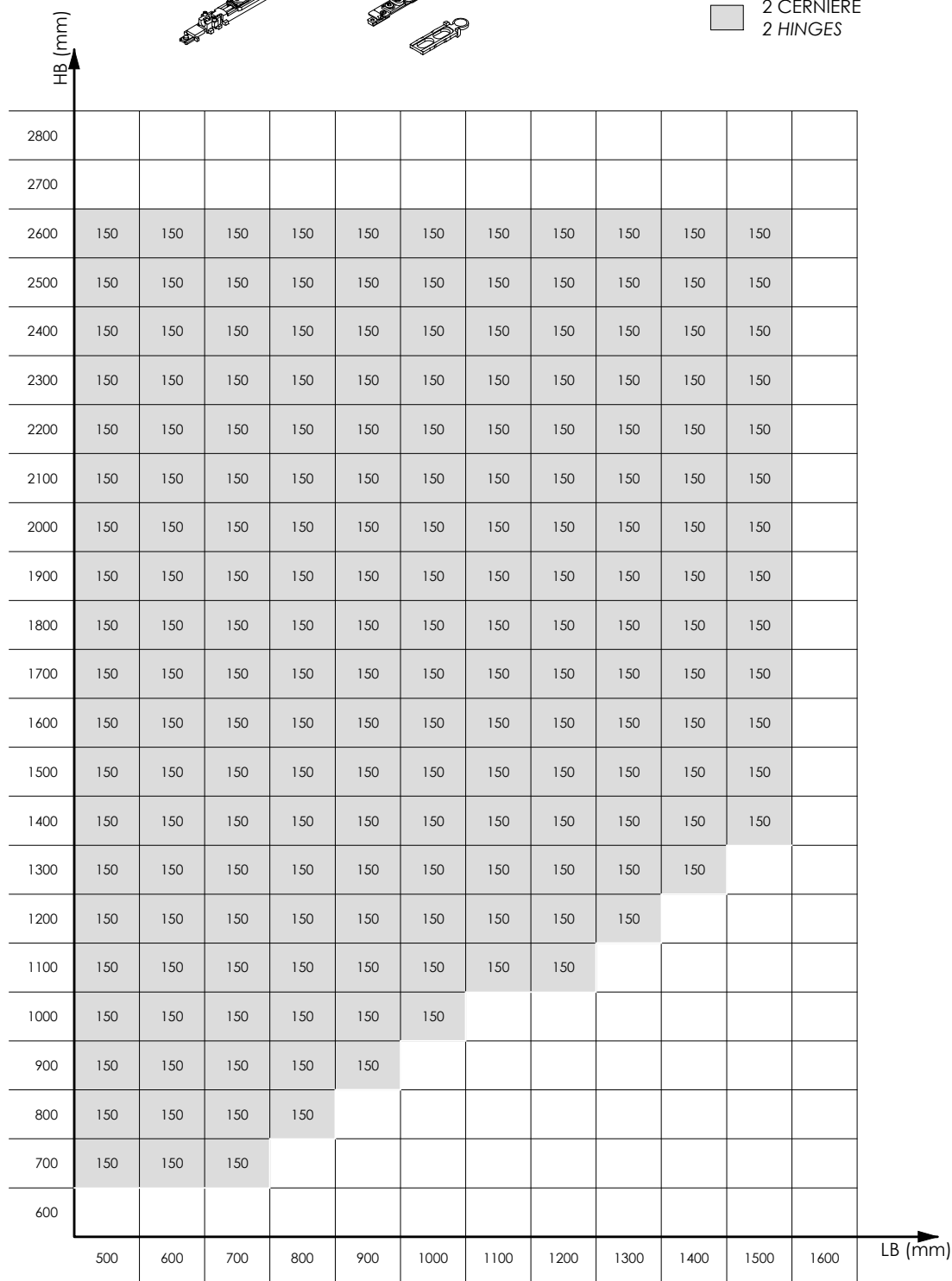


DIAGRAMMI PORTATA DELLA FERRAMENTA **HINGE LOAD DIAGRAM**

CERNIERA NASCOSTA APERTURA 180° / PORTATA MAX 150 kg
CONCEALED HINGE 180° OPENING / MAX CAPACITY 150 kg

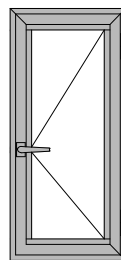
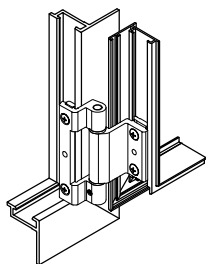


 2 CERNIERE
2 HINGES



DIAGRAMMI PORTATA DELLA FERRAMENTA HINGE LOAD DIAGRAM

CERNIERA A PETTINE H48340
H48340 THREE PART HINGE

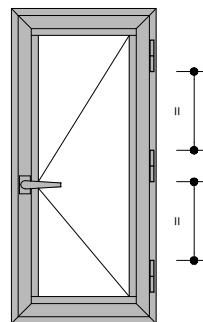
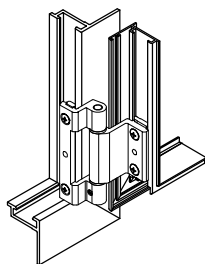


2 CERNIERE
2 HINGES

HB (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	LB (mm)
2800													
2700													
2600	100	100	100	100	100	100	100	100	100	100	100		
2500	100	100	100	100	100	100	100	100	100	100	100		
2400	100	100	100	100	100	100	100	100	100	100	96		
2300	100	100	100	100	100	100	100	100	100	99	92		
2200	100	100	100	100	100	100	100	100	100	94	88		
2100	100	100	100	100	100	100	100	100	97	90	84		
2000	100	100	100	100	100	100	100	100	93	86	80		
1900	100	100	100	100	100	100	100	95	88	82	76		
1800	100	100	100	100	100	100	98	90	83	77	72		
1700	100	100	100	100	100	100	93	85	79	73	68		
1600	100	100	100	100	100	96	87	80	74	69	64		
1500	100	100	100	100	100	90	82	75	69	64	60		
1400	100	100	100	100	94	84	77	70	65	60	56		
1300	100	100	100	98	87	78	71	65	60	56			
1200	100	100	100	90	80	72	66	60	56				
1100	100	100	94	83	73	66	60	55					
1000	100	100	86	75	67	60							
900	100	90	77	68	60								
800	96	80	69	60									
700	84	70	60										
600													

DIAGRAMMI PORTATA DELLA FERRAMENTA HINGE LOAD DIAGRAM

CERNIERA A PETTINE H48340
H48340 THREE PART HINGE

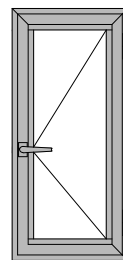
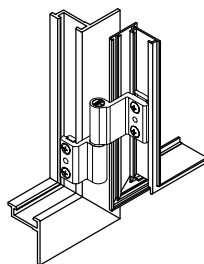


3 CERNIERE
3 HINGES

HB (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	LB (mm)
2800													
2700													
2600	130	130	130	130	130	130	130	130	130	130	130		
2500	130	130	130	130	130	130	130	130	130	130	130		
2400	130	130	130	130	130	130	130	130	130	130	125		
2300	130	130	130	130	130	130	130	130	130	128	120		
2200	130	130	130	130	130	130	130	130	130	123	115		
2100	130	130	130	130	130	130	130	130	126	117	109		
2000	130	130	130	130	130	130	130	130	120	112	104		
1900	130	130	130	130	130	130	130	124	114	106	99		
1800	130	130	130	130	130	130	128	117	108	101	94		
1700	130	130	130	130	130	130	121	111	102	95	89		
1600	130	130	130	130	130	125	114	104	96	89	83		
1500	130	130	130	130	130	117	107	98	90	84	78		
1400	130	130	130	130	122	109	99	91	84	78	73		
1300	130	130	130	127	113	102	92	85	78	73			
1200	130	130	130	117	104	94	85	78	72				
1100	130	130	123	107	96	86	78	72					
1000	130	130	112	98	87	78							
900	130	117	101	88	78								
800	125	104	89	78									
700	109	91	78										
600													

DIAGRAMMI PORTATA DELLA FERRAMENTA HINGE LOAD DIAGRAM

CERNIERA A DUE ALI H48339
H48339 TWO PART HINGE

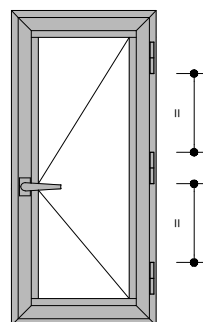
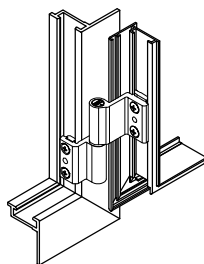


2 CERNIERE
2 HINGES

HB (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	LB (mm)
2800													
2700													
2600	80	80	80	80	80	80	80	80	80	80	80		
2500	80	80	80	80	80	80	80	80	80	80	80		
2400	80	80	80	80	80	80	80	80	80	80	77		
2300	80	80	80	80	80	80	80	80	80	79	74		
2200	80	80	80	80	80	80	80	80	80	76	71		
2100	80	80	80	80	80	80	80	80	78	72	67		
2000	80	80	80	80	80	80	80	80	74	69	64		
1900	80	80	80	80	80	80	80	76	70	65	61		
1800	80	80	80	80	80	80	79	72	67	62	58		
1700	80	80	80	80	80	80	74	68	63	58	55		
1600	80	80	80	80	80	77	70	64	59	55	51		
1500	80	80	80	80	80	72	66	60	56	52	48		
1400	80	80	80	80	75	67	61	56	52	48	45		
1300	80	80	80	78	69	63	57	52	48	45			
1200	80	80	80	72	64	58	52	48	44				
1100	80	80	76	66	59	53	48	44					
1000	80	80	69	60	53	48							
900	80	72	62	54	48								
800	77	64	55	48									
700	67	56	48										
600													

DIAGRAMMI PORTATA DELLA FERRAMENTA HINGE LOAD DIAGRAM

CERNIERA A DUE ALI H48339
H48339 TWO PART HINGE

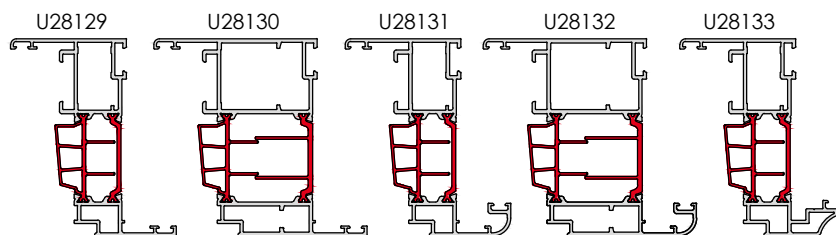
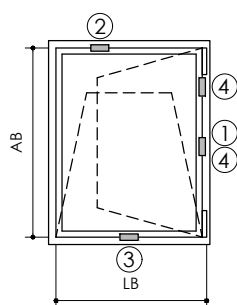


3 CERNIERE
3 HINGES

HB (mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	LB (mm)
2800													
2700													
2600	100	100	100	100	100	100	100	100	100	100	100		
2500	100	100	100	100	100	100	100	100	100	100	100		
2400	100	100	100	100	100	100	100	100	100	100	96		
2300	100	100	100	100	100	100	100	100	100	99	92		
2200	100	100	100	100	100	100	100	100	100	94	88		
2100	100	100	100	100	100	100	100	100	97	90	84		
2000	100	100	100	100	100	100	100	100	93	86	86		
1900	100	100	100	100	100	100	100	95	88	82	76		
1800	100	100	100	100	100	100	98	90	83	77	72		
1700	100	100	100	100	100	100	93	85	79	73	68		
1600	100	100	100	100	100	96	87	80	74	69	64		
1500	100	100	100	100	100	90	87	80	74	69	64		
1400	100	100	100	100	94	84	77	70	65	60	56		
1300	100	100	100	98	87	78	71	65	60	56			
1200	100	100	100	90	80	72	66	60	56				
1100	100	100	94	83	73	66	60	55					
1000	100	100	86	75	67	60							
900	100	90	77	68	60								
800	96	80	69	60									
700	84	70	60										
600													

> DIMENSIONAMENTO FINESTRE

DIMENSIONAMENTO FINESTRE E PORTE-FINESTRE ANTA RIBALTA



— = PUNTI DI CHIUSURA

PESO MAX. DELL'ANTA : VEDERE DIAGRAMMI PORTATA FERRAMENTA

BRACCIO "H48926" LB = 520÷619 BRACCIO "H48925" LB = 430÷519 BRACCIO "H48907/15" LB = 430÷479 BRACCIO "H48938/40" LB = 480÷609 BRACCIO "H48942/44" LB = 480÷609				
PROFILO	PRESSIONE DEL VENTO (Pa)	DIMENSIONI MASSIME ANTA FINESTRA CON APPARECCHIATURA BASE	ALTEZZA MASSIMA ANTA FINESTRA CON CHIUSURE SUPPLEMENTARI	POS.
U28129	400	619x1900	-	
U28131	800	619x1700	1900	①
U28133	1200	619x1500	1800	①
U28130	400	619x1900	2000	①
U28132	800	619x1800	2000	①
	1200	619x1600	1900	①

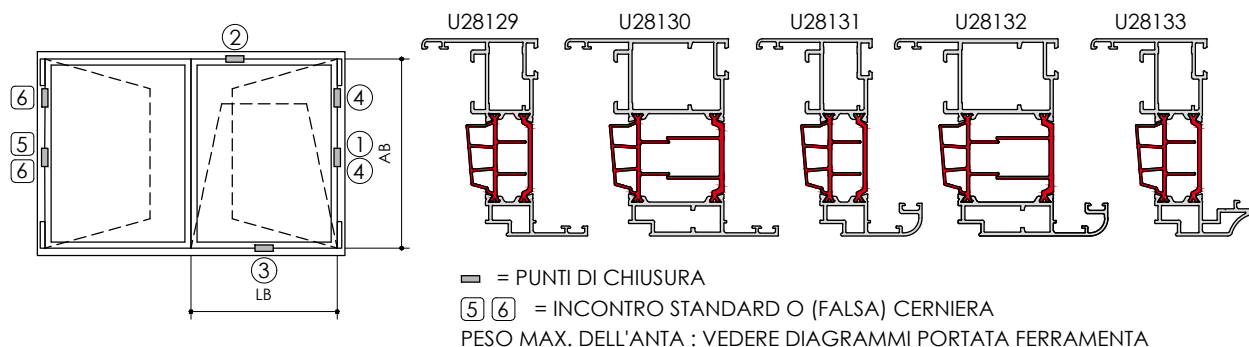
BRACCIO "H48927" LB = 620÷1059 BRACCIO "H48939/41" LB = 610÷1059 BRACCIO "H48943/45" LB = 610÷1059				
PROFILO	PRESSIONE DEL VENTO (Pa)	DIMENSIONI MASSIME ANTA FINESTRA CON APPARECCHIATURA BASE	ALTEZZA MASSIMA ANTA FINESTRA CON CHIUSURE SUPPLEMENTARI	ALTEZZA MASSIMA ANTA PORTAFINESTRA CON CHIUSURE SUPPLEMENTARI
			POS.	POS.
U28129	400	1059x1700	2000 ①	2500 ④
U28131	800	1059x1550	2000 ①	2500 ④
U28133	1200	1059x1400	1900 ① ②	2400 ② ④
U28130	400	1059x1800	2100 ①	2600 ④
U28132	800	1059x1650	2100 ①	2600 ④
	1200	1059x1500	2000 ① ②	2500 ② ④

BRACCIO "H48927+H48614" LB = 1060÷1560 BRACCIO "H48939/41+H48614" LB = 1060÷1560 BRACCIO "H48943/45+H48614" LB = 1060÷1560				
CHIUSURA ② COMPRESA				
PROFILO	PRESSIONE DEL VENTO (Pa)	DIMENSIONI MASSIME ANTA FINESTRA CON APPARECCHIATURA BASE	ALTEZZA MASSIMA ANTA FINESTRA CON CHIUSURE SUPPLEMENTARI	LARGHEZZA MASSIMA ANTA FINESTRA CON CHIUSURE SUPPLEMENTARI
			POS.	POS.
U28129	400	1400x1700	2000 ①	1560 ③
U28131	800	1300x1550	2000 ①	1560 ③
U28133	1200	1560x1400 ③	1900 ①	-
U28130	400	1400x1800	2100 ①	1560 ③
U28132	800	1300x1650	2100 ①	1560 ③
	1200	1560x1500 ③	2000 ①	-

N.B. I VALORI DI PRESSIONE DEL VENTO SONO DESUNTI DALLA DOCUMENTAZIONE UNI EN 12210
Classe 1 [400 Pa (40.8 Kg/m²)] Classe 2 [800 Pa (81.5 Kg/m²)] Classe 3 [1200 Pa (122.4 Kg/m²)]

► DIMENSIONAMENTO FINESTRE

DIMENSIONAMENTO FINESTRE E PORTE-FINESTRE ANTA/ANTA RIBALTA



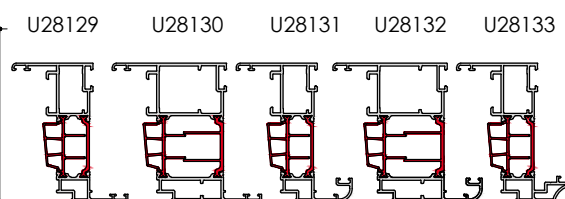
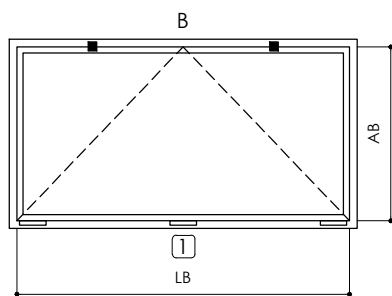
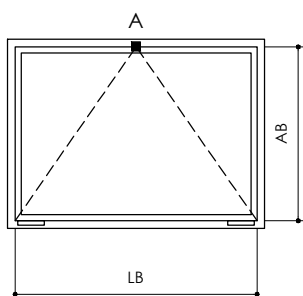
BRACCIO "H48925" LB = 430÷519 BRACCIO "H48907/15" LB = 430÷479				
BRACCIO "H48926" LB = 520÷619 BRACCIO "H48938/40" LB = 480÷609 BRACCIO "H48942/44" LB = 480÷609				
PROFILO	PRESSIONE DEL VENTO (Pa)	DIMENSIONI MASSIME ANTA FINESTRA CON APPARECCHIATURA BASE	ALTEZZA MASSIMA ANTA FINESTRA CON CHIUSURE SUPPLEMENTARI POS.	
U28129	400	619x1900	-	
U28131	800	619x1700	1900	① ⑤
U28133	1200	619x1550	1800	① ⑤
U28130	400	619x1900	2000	① ⑤
U28132	800	619x1750	2000	① ⑤
	1200	619x1650	1900	① ⑤

BRACCIO "H48927" LB = 620÷1059				
BRACCIO "H48939/41" LB = 610÷1059 BRACCIO "H48943/45" LB = 610÷1059				
PROFILO	PRESSIONE DEL VENTO (Pa)	DIMENSIONI MASSIME ANTA FINESTRA CON APPARECCHIATURA BASE	ALTEZZA MASSIMA ANTA FINESTRA CON CERNIERA E CHIUSURE SUPPLEMENTARI POS.	DIMENSIONI MASSIME ANTA PORTAFINESTRA CON CERNIERE / CHIUSURE SUPPLEMENTARI POS.
U28129	400	1059x1800	2000	① ⑤ 2500 ④ ⑥
U28131	800	1059x1600	2000	① ⑤ 2500 ④ ⑥
U28133	1200	1059x1400	1900	① ② ③ ⑤ 2400 ② ③ ④ ⑥
U28130	400	1059x1900	2100	① ⑤ 2600 ④ ⑥
U28132	800	1059x1650	2100	① ⑤ 2600 ④ ⑥
	1200	1059x1450	2000	① ② ③ ⑤ 2500 ② ③ ④ ⑥

N.B. I VALORI DI PRESSIONE DEL VENTO SONO DESUNTI DALLA DOCUMENTAZIONE UNI EN 12210
 Classe 1 [400 Pa (40.8 Kg/m)] Classe 2 [800 Pa (81.5 Kg/m)] Classe 3 [1200 Pa (122.4 Kg/m)]

> DIMENSIONAMENTO FINESTRE

DIMENSIONAMENTO FINESTRE A VASISTAS



CERNIERE : A PETTINE
PESO MAX DELL'ANTA : 80 kg

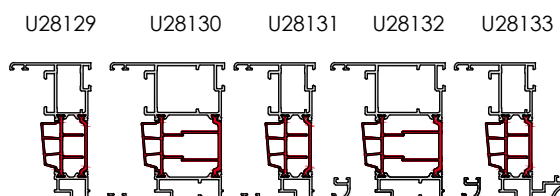
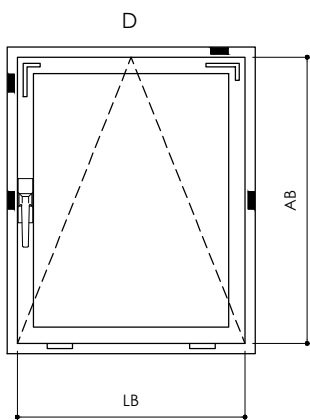
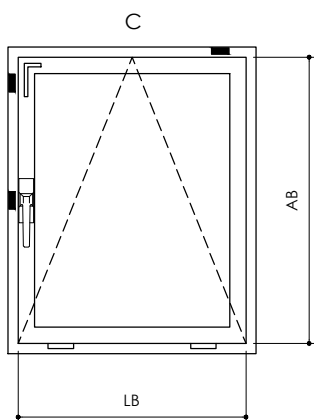
① = CERNIERA O FALSA CERNIERA
■ = CRICCHETTO

BRACCETTI DI ARRESTO:
N°1 PER LB ≤ 1000 mm
N°2 PER LB > 1000 mm

CERNIERE : NASCOSTE
PESO MAX DELL'ANTA : 100 kg

DIMENSIONI MINIME ANTA (LBxAB):
640 x 500 (CON BRACCETTO D'ARRESTO SUL TRAVERSO SUPERIORE)

PROFILO	PRESSIONE DEL VENTO (Pa)	DIMENSIONI MASSIME ANTA (LBxAB) CON N°1 CRICCHETTO (SOLUZIONE A)	DIMENSIONI MASSIME ANTA (LBxAB) CON N°2 CRICCHETTI (SOLUZIONE B)
U28129	400	1000x1100	2000x1100 ①
U28131	800	1000x900	2000x1000 ①
U28133	1200	1000x700	2000x800 ①
U28130	400	1200x1100	2000x1200 ①
U28130	800	1200x1000	2000x1100 ①
U28132	1200	1200x900	2000x900 ①



CERNIERE : A PETTINE
PESO MAX DELL'ANTA : 80 kg

■ = PUNTI DI CHIUSURA

CERNIERE : NASCOSTE
PESO MAX DELL'ANTA : 100 kg

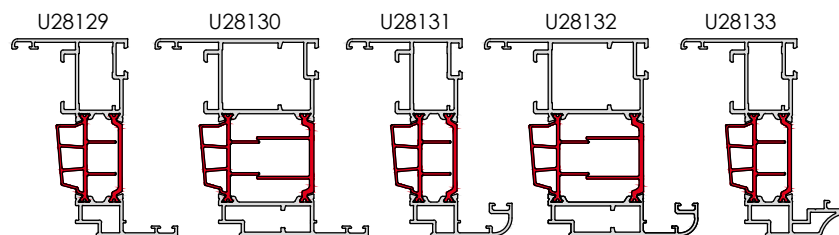
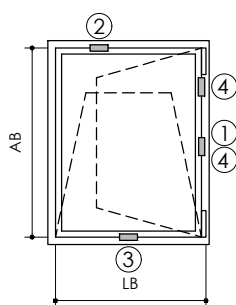
DIMENSIONI MINIME ANTA (LBxAB):
640 x 700 (CON BRACCETTO D'ARRESTO SUL TRAVERSO SUPERIORE)

PROFILO	PRESSIONE DEL VENTO (Pa)	DIMENSIONI MASSIME ANTA (LBxAB) CON N°3 PUNTI DI CHIUSURA (SOLUZIONE C)	DIMENSIONI MASSIME ANTA (LBxAB) CON N°4 PUNTI DI CHIUSURA (SOLUZIONE D)
U28129	400	1500x1500	1600x1700
U28131	800	1500x1400	1600x1600
U28133	1200	1500x1250	1600x1500
U28130	400	1500x1600	1600x1800
U28130	800	1500x1500	1600x1700
U28132	1200	1500x1350	1600x1600

N.B. I VALORI DI PRESSIONE DEL VENTO SONO DESUNTI DALLA DOCUMENTAZIONE UNI EN 12210
Classe 1 [400 Pa (40.8 Kg/m)] Classe 2 [800 Pa (81.5 Kg/m)] Classe 3 [1200 Pa (122.4 Kg/m)]

► SIZE LIMITS

T&T AND TBT WINDOWS AND BALCONY DOORS



— = LOCKING POINTS

MAX WING WEIGHT: SEE HINGES LOAD DIAGRAM

TOP ARM "H48925" LB = 430÷519 TOP ARM "H48907/15" LB = 430÷479 TOP ARM "H48926" LB = 520÷619 TOP ARM "H48938/40" LB = 480÷609 TOP ARM "H48942/44" LB = 480÷609				
SECTION	WIND LOAD (Pa)	MAX WING DIMENSION STANDARD HARDWARE WINDOW	MAX WING HEIGHT WINDOW WITH ADDITIONAL LOCKING POINTS	POS.
U28129	400	619x1900	-	
U28131	800	619x1700	1900	①
U28133	1200	619x1500	1800	①
U20134	400	619x1900	2000	①
U20136	800	619x1800	2000	①
	1200	619x1600	1900	①

TOP ARM "H48927" LB = 620÷1059 TOP ARM "H48939/41" LB = 610÷1059 TOP ARM "H48943/45" LB = 610÷1059				
SECTION	WIND LOAD (Pa)	MAX WING DIMENSION STANDARD HARDWARE WINDOW	MAX WING HEIGHT WINDOWS WITH ADDITIONAL LOCKING POINTS	MAX WING DIMENSION BALCONY DOOR WITH ADDITIONAL LOCKING POINTS
			POS.	POS.
U28129	400	1059x1700	2000 ①	2500 ④
U28131	800	1059x1550	2000 ①	2500 ④
U28133	1200	1059x1400	1900 ① ②	2400 ② ④
U20134	400	1059x1800	2100 ①	2600 ④
U20136	800	1059x1650	2100 ①	2600 ④
	1200	1059x1500	2000 ① ②	2500 ② ④

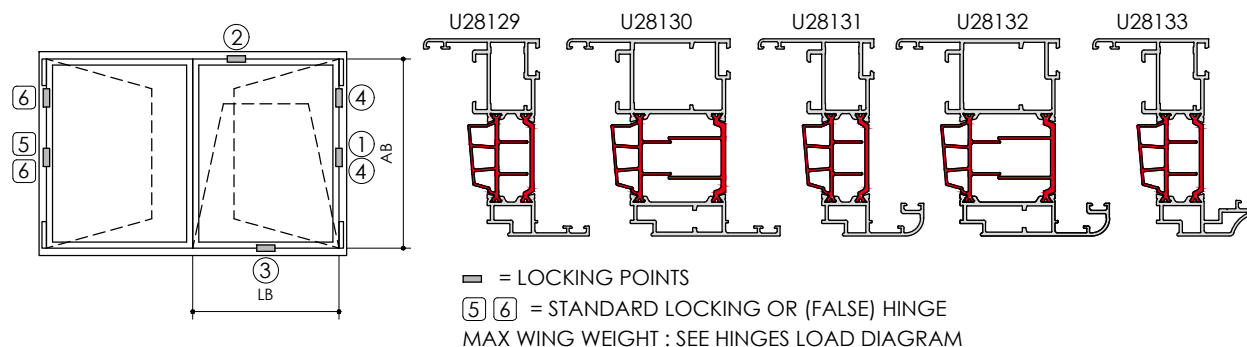
TOP ARM "H48927+H48614" LB = 1060÷1560 TOP ARM "H48939/41+H48614" LB = 1060÷1560 TOP ARM "H48943/45+H48614" LB = 1060÷1560				
LOCKING ② INCLUDED				
SECTION	WIND LOAD (Pa)	MAX WING DIMENSION STANDARD HARDWARE WINDOW	MAX WING HEIGHT WINDOWS WITH ADDITIONAL LOCKING POINTS	MAX WING WIGHT WINDOWS WITH ADDITIONAL LOCKING POINTS
			POS.	POS.
U28129	400	1400x1700	2000 ①	1560 ③
U28131	800	1300x1550	2000 ①	1560 ③
U28133	1200	1560x1400 ③	1900 ①	-
U20134	400	1400x1800	2100 ①	1560 ③
U20136	800	1300x1650	2100 ①	1560 ③
	1200	1560x1500 ③	2000 ①	-

N.B. WIND LOAD VALUES ARE DRAWN FROM UNI EN 12210 CLASSES:

1st Class [400 Pa (40.8 Kg/m)] 2nd Class [800 Pa (81.5 Kg/m)] 3rd Class [1200 Pa (122.4 Kg/m)]

➤ SIZE LIMITS

TURN/T&T AND TURN/TBT WINDOWS AND BALCONY DOORS



TOP ARM "H48925" LB = 430÷519 TOP ARM "H48907/15" LB = 430÷479 TOP ARM "H48926" LB = 520÷619 TOP ARM "H48938/40" LB = 480÷609 TOP ARM "H48942/44" LB = 480÷609				
SECTION	WIND LOAD (Pa)	MAX WING DIMENSION STANDARD HARDWARE WINDOW	MAX WING HEIGHT WINDOW WITH ADDITIONAL LOCKING POINTS	POS.
U28129	400	619x1900	-	
U28131	800	619x1700	1900	① ⑤
U28133	1200	619x1550	1800	① ⑤
U20134	400	619x1900	2000	① ⑤
U20136	800	619x1750	2000	① ⑤
	1200	619x1650	1900	① ⑤

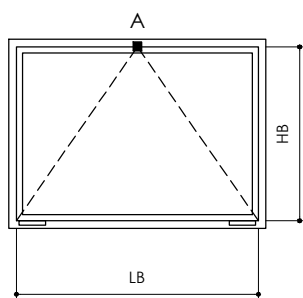
TOP ARM "H48927" LB = 620÷1059 TOP ARM "H48939/41" LB = 610÷1059 TOP ARM "H48943/45" LB = 610÷1059				
SECTION	WIND LOAD (Pa)	MAX WING DIMENSION STANDARD HARDWARE WINDOW	MAX WING HEIGHT WINDOWS WITH ADDITIONAL LOCKING POINTS	MAX WING WIDTH BALCONY DOOR WITH HINGE AND ADDITIONAL LOCKING POINTS
			POS.	POS.
U28129	400	1059x1800	2000 ① ⑤	2500 ④ ⑥
U28131	800	1059x1600	2000 ① ⑤	2500 ④ ⑥
U28133	1200	1059x1400	1900 ① ② ③ ⑤	2400 ② ③ ④ ⑥
U20134	400	1059x1900	2100 ① ⑤	2600 ④ ⑥
U20136	800	1059x1650	2100 ① ⑤	2600 ④ ⑥
	1200	1059x1450	2000 ① ② ③ ⑤	2500 ② ③ ④ ⑥

N.B. WIND LOAD VALUES ARE DRAWN FROM UNI EN 12210 CLASSES:

1st Class [400 Pa (40.8 Kg/m)] 2nd Class [800 Pa (81.5 Kg/m)] 3rd Class [1200 Pa (122.4 Kg/m)]

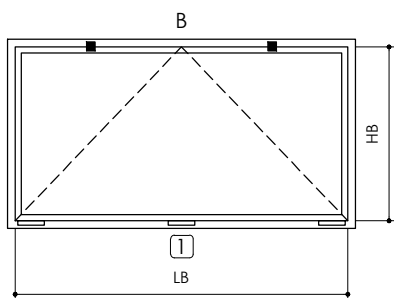
► SIZE LIMITS

BOTTOM HUNG WINDOWS



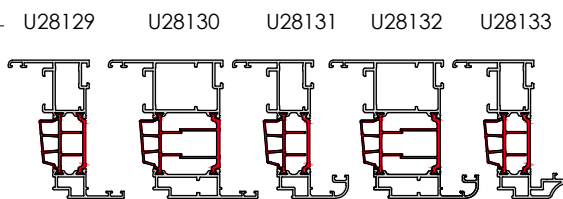
HINGES : THREE-PART
MAX. WING WEIGHT : 80 kg

HINGES : CONCEALED
MAX. WING WEIGHT : 100 kg



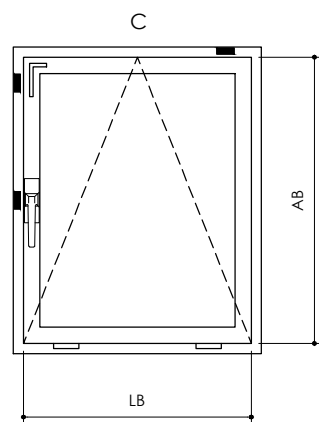
① = HINGE OR FALSE HINGE
■ = LATCH

MIN. WING DIMENTIONS (LBxHB):
640 x 500 (WITH STOP-WING ARMS ON UPPER SIDE)



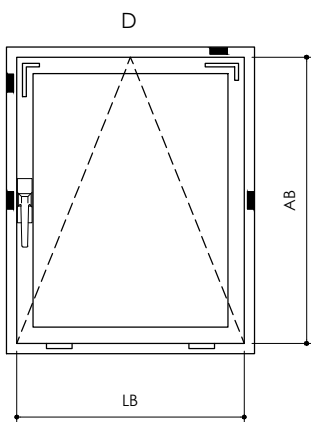
STOP-WING ARM
N°1 PER LB ≤ 1000 mm
N°2 PER LB > 1000 mm

PROFILE	WIND LOAD (Pa)	MAX. WING DIMENTIONS (LBxHB) WITH N°1 LATCH (SOLUTION A)	MAX. WING DIMENTIONS (LBxHB) WITH N°2 LATCH (SOLUTION B)
U28129	400	1000x1100	2000x1100 ①
U28131	800	1000x900	2000x1000 ①
U28133	1200	1000x700	2000x800 ①
U28130	400	1200x1100	2000x1200 ①
U28130	800	1200x1000	2000x1100 ①
U28132	1200	1200x900	2000x900 ①



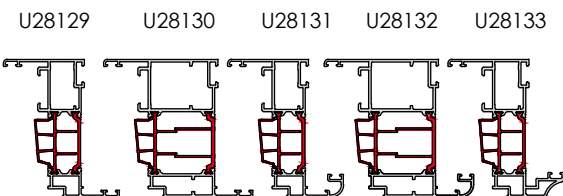
HINGES : THREE-PART
MAX. WING WEIGHT : 80 kg

HINGES : CONCEALED
MAX. WING WEIGHT : 100 kg



■ = LOCKING POINTS

MIN. WING DIMENTIONS (LBxHB):
640 x 700 (WITH STOP-WING ARMS ON UPPER SIDE)

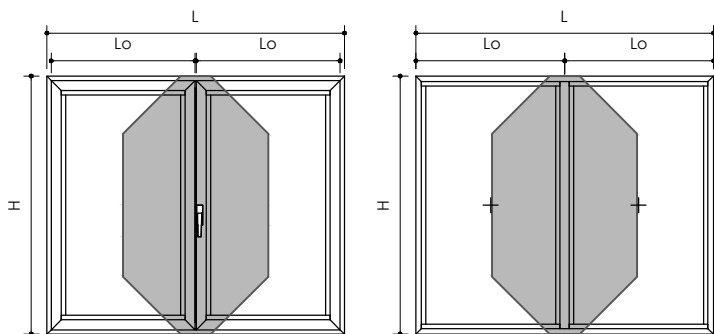


PROFILE	WIND LOAD (Pa)	MAX. WING DIMENTIONS (LBxHB) WITH N°3 LOCKING POINTS (SOLUTION C)	MAX. WING DIMENTIONS (LBxHB) WITH N°4 LOCKING POINTS (SOLUTION D)
U28129	400	1500x1500	1600x1700
U28131	800	1500x1400	1600x1600
U28133	1200	1500x1250	1600x1500
U28130	400	1500x1600	1600x1800
U28130	800	1500x1500	1600x1700
U28132	1200	1500x1350	1600x1600

N.B. WIND LOAD VALUES ARE DRAWN FROM UNI EN 12210 CLASSES:

1st Class [400 Pa (40.8 Kg/m)] 2nd Class [800 Pa (81.5 Kg/m)] 3rd Class [1200 Pa (122.4 Kg/m)]

RESISTENZA AL VENTO - WIND LOAD RESISTANCE



Superficie del carico del vento

Calcolo di F:

$$F = \frac{H \cdot 1000}{200}$$

La classe della freccia relativa frontale considerata, secondo la UNI EN 12210 è la "B", quindi la deflessione massima ammissibile dovrà essere pari a H/200.

ESEMPIO 1 : Finestra 2 ante

- Pressione del vento di progetto: **P = 1200 Pa**
- Larghezza della finestra: **L = 2.20 m**
- Larghezza dell'apribile: **L₀ = L/2 = 1.10 m**
- Altezza della finestra: **H = 1.50 m**

→ L'inerzia necessaria a una pressione pari a **1200 Pa** secondo la tabella :

$$I_0 \text{ (tabella)} = \underline{\underline{13.2 \text{ cm}^4}}$$

Calcolo di I₀ (trapezoidale):

$$I_0 = \frac{P \cdot L_0 \cdot H^4 \cdot [5 - 4(L_0/2H)^2]^2}{1920 \cdot E \cdot F} \cdot 10^5$$

Per il calcolo dell'inerzia minima, è stata considerata la superficie di carico trapezoidale. A partire da L₀ ≥ H, la superficie di carico diventa triangolare.

Calcolo di I₀ (triangolare):

$$I_0 = \frac{P \cdot H^5}{120 \cdot E \cdot F} \cdot 10^5$$

ESEMPIO 2 : Vetrina 2 specchiature

- Pressione del vento di progetto: **P = 800 Pa**
- Larghezza della vetrina: **L = 4.00 m**
- Larghezza dell'apribile: **L₀ = L/2 = 2.00 m**
- Altezza della finestra: **H = 2.30 m**

→ L'inerzia necessaria a una pressione pari a **800 Pa** secondo la tabella :

$$I_0 \text{ (tabella)} = \underline{\underline{52.2 \text{ cm}^4}}$$

Le tabelle seguenti mostrano, per le varie pressioni del vento (da 400 Pa a 2000 Pa), l'inerzia minima necessaria del nodo centrale in funzione dell'altezza del serramento (H) e della larghezza dell'apribile/fisso (L₀).

Nella pagina successiva alle tabelle sono mostrati i nodi centrali e i relativi valori di inerzia I_x.

Le tabelle seguenti riportano dimensioni in larghezza e altezza del tutto generiche, utili a determinare esclusivamente l'inerzia necessaria per il nodo centrale sia dei fissi, sia degli apribili.

Non sono pertanto indicative delle massime dimensioni realizzabili.

In particolare, per le ante apribili, le massime dimensioni realizzabili sono da determinare sulla base delle tabelle delle pagine precedenti.

The following tables gives the minimum inertia of the central mullion, referred to the wind load (from 400 Pa to 2000 Pa) and the size of the window.

The inertia of the main typical sections are shown after the following tables.

The following tables show the general width and height dimensions, which only determine the inertia necessary for the central node of the fixed and the openable.

They are therefore not indicative of the maximum dimensions to be achieved.

In particular, for sash, the maximum dimensions to be achieved are determined on the basis of the tables in the previous pages.

Carico vento 400 Pa

H/200

H	L ₀																				
	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30	2,40	2,50
1,00	0,7	0,8	0,8	0,9	0,9	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
1,05	0,8	0,9	1,0	1,1	1,1	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
1,10	0,9	1,1	1,2	1,3	1,3	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
1,15	1,0	1,2	1,4	1,5	1,6	1,6	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7
1,20	1,2	1,4	1,6	1,7	1,8	1,9	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,0
1,25	1,4	1,6	1,8	2,0	2,1	2,2	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3
1,30	1,5	1,8	2,0	2,2	2,4	2,5	2,6	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,7	2,7
1,35	1,7	2,0	2,3	2,5	2,7	2,9	3,0	3,1	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2
1,40	1,9	2,3	2,6	2,9	3,1	3,3	3,5	3,6	3,6	3,7	3,7	3,7	3,7	3,7	3,7	3,7	3,7	3,7	3,7	3,7	3,7
1,45	2,2	2,5	2,9	3,2	3,5	3,7	3,9	4,1	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2
1,50	2,4	2,8	3,2	3,6	3,9	4,2	4,4	4,6	4,7	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8
1,55	2,7	3,1	3,6	4,0	4,3	4,7	4,9	5,2	5,3	5,4	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5
1,60	2,9	3,5	3,9	4,4	4,8	5,2	5,5	5,8	6,0	6,1	6,2	6,2	6,2	6,2	6,2	6,2	6,2	6,2	6,2	6,2	6,2
1,65	3,2	3,8	4,3	4,9	5,3	5,7	6,1	6,4	6,7	6,9	7,0	7,1	7,1	7,1	7,1	7,1	7,1	7,1	7,1	7,1	7,1
1,70	3,5	4,2	4,8	5,3	5,9	6,3	6,8	7,1	7,4	7,6	7,8	7,9	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0	8,0
1,75	3,9	4,6	5,2	5,9	6,4	7,0	7,4	7,9	8,2	8,5	8,7	8,9	8,9	8,9	8,9	8,9	8,9	8,9	8,9	8,9	8,9
1,80	4,2	5,0	5,7	6,4	7,0	7,6	8,2	8,6	9,1	9,4	9,7	9,8	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0
1,85	4,6	5,4	6,2	7,0	7,7	8,4	9,0	9,5	9,9	10,3	10,7	10,9	11,1	11,1	11,2	11,2	11,2	11,2	11,2	11,2	11,2
1,90	5,0	5,9	6,8	7,6	8,4	9,1	9,8	10,4	10,9	11,4	11,7	12,0	12,2	12,4	12,4	12,4	12,4	12,4	12,4	12,4	12,4
1,95	5,4	6,4	7,3	8,2	9,1	9,9	10,6	11,3	11,9	12,4	12,9	13,2	13,5	13,7	13,8	13,8	13,8	13,8	13,8	13,8	13,8
2,00	5,8	6,9	7,9	8,9	9,9	10,7	11,6	12,3	13,0	13,6	14,1	14,5	14,8	15,0	15,2	15,2	15,2	15,2	15,2	15,2	15,2
2,05	6,3	7,4	8,6	9,6	10,7	11,6	12,5	13,3	14,1	14,8	15,3	15,8	16,2	16,5	16,7	16,8	16,8	16,8	16,8	16,8	16,8
2,10	6,7	8,0	9,2	10,4	11,5	12,6	13,5	14,4	15,3	16,0	16,7	17,2	17,7	18,1	18,3	18,5	18,5	18,5	18,5	18,5	18,5
2,15	7,2	8,6	9,9	11,2	12,4	13,5	14,6	15,6	16,5	17,3	18,1	18,7	19,2	19,7	20,0	20,2	20,3	20,4	20,4	20,4	20,4
2,20	7,8	9,2	10,6	12,0	13,3	14,6	15,7	16,8	17,8	18,7	19,6	20,3	20,9	21,4	21,8	22,1	22,3	22,3	22,3	22,3	22,3
2,25	8,3	9,9	11,4	12,9	14,3	15,6	16,9	18,1	19,2	20,2	21,1	21,9	22,6	23,2	23,7	24,0	24,3	24,4	24,4	24,4	24,4
2,30	8,9	10,6	12,2	13,8	15,3	16,8	18,1	19,4	20,6	21,7	22,7	23,6	24,4	25,1	25,7	26,1	26,4	26,6	26,7	26,7	26,7
2,35	9,5	11,3	13,0	14,7	16,4	17,9	19,4	20,8	22,1	23,3	24,4	25,4	26,3	27,1	27,7	28,2	28,6	28,9	29,0	29,0	29,0
2,40	10,1	12,0	13,9	15,7	17,5	19,2	20,8	22,3	23,7	25,0	26,2	27,3	28,3	29,2	29,9	30,5	31,0	31,3	31,5	31,6	31,6
2,45	10,8	12,8	14,8	16,8	18,6	20,5	22,2	23,8	25,3	26,8	28,1	29,3	30,4	31,3	32,2	32,9	33,4	33,9	34,2	34,3	34,3
2,50	11,4	13,6	15,8	17,8	19,9	21,8	23,6	25,4	27,0	28,6	30,0	31,4	32,6	33,6	34,6	35,4	36,0	36,5	36,9	37,1	37,2
2,60	12,9	15,4	17,8	20,1	22,4	24,6	26,7	28,8	30,7	32,5	34,2	35,7	37,2	38,5	39,6	40,7	41,5	42,2	42,8	43,2	43,4
2,70	14,4	17,2	20,0	22,6	25,2	27,7	30,1	32,4	34,6	36,7	38,7	40,5	42,2	43,8	45,2	46,4	47,5	48,5	49,2	49,8	50,3

DIAGRAMMI CARICHI DI VENTO WIND LOADING CHART

Carico vento		800 Pa																			
H/200																					
H	L ₀																				
	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30	2,40	2,50
1,00	1,3	1,5	1,7	1,8	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9
1,05	1,6	1,8	2,0	2,2	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3
1,10	1,8	2,1	2,3	2,5	2,7	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8	2,8
1,15	2,1	2,4	2,7	3,0	3,1	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3	3,3
1,20	2,4	2,8	3,1	3,4	3,6	3,8	3,9	3,9	3,9	3,9	3,9	3,9	3,9	3,9	3,9	3,9	3,9	3,9	3,9	3,9	3,9
1,25	2,7	3,2	3,6	3,9	4,2	4,4	4,6	4,6	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7
1,30	3,1	3,6	4,1	4,5	4,8	5,1	5,3	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4	5,4
1,35	3,5	4,1	4,6	5,1	5,5	5,8	6,1	6,2	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3
1,40	3,9	4,5	5,2	5,7	6,2	6,6	6,9	7,1	7,3	7,3	7,3	7,3	7,3	7,3	7,3	7,3	7,3	7,3	7,3	7,3	7,3
1,45	4,3	5,1	5,8	6,4	7,0	7,4	7,8	8,1	8,3	8,4	8,4	8,4	8,4	8,4	8,4	8,4	8,4	8,4	8,4	8,4	8,4
1,50	4,8	5,6	6,4	7,1	7,8	8,3	8,8	9,2	9,4	9,6	9,6	9,6	9,6	9,6	9,6	9,6	9,6	9,6	9,6	9,6	9,6
1,55	5,3	6,3	7,1	7,9	8,7	9,3	9,9	10,3	10,6	10,9	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0
1,60	5,9	6,9	7,9	8,8	9,6	10,4	11,0	11,5	11,9	12,2	12,4	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5
1,65	6,4	7,6	8,7	9,7	10,6	11,5	12,2	12,8	13,3	13,7	14,0	14,1	14,1	14,1	14,1	14,1	14,1	14,1	14,1	14,1	14,1
1,70	7,1	8,3	9,6	10,7	11,7	12,7	13,5	14,2	14,8	15,3	15,6	15,8	15,9	15,9	15,9	15,9	15,9	15,9	15,9	15,9	15,9
1,75	7,7	9,1	10,5	11,7	12,9	13,9	14,9	15,7	16,4	17,0	17,4	17,7	17,8	17,9	17,9	17,9	17,9	17,9	17,9	17,9	17,9
1,80	8,4	10,0	11,4	12,8	14,1	15,3	16,3	17,3	18,1	18,8	19,3	19,7	19,9	20,0	20,0	20,0	20,0	20,0	20,0	20,0	20,0
1,85	9,1	10,8	12,4	14,0	15,4	16,7	17,9	19,0	19,9	20,7	21,3	21,8	22,1	22,3	22,3	22,3	22,3	22,3	22,3	22,3	22,3
1,90	9,9	11,8	13,5	15,2	16,8	18,2	19,5	20,7	21,8	22,7	23,5	24,1	24,5	24,7	24,8	24,8	24,8	24,8	24,8	24,8	24,8
1,95	10,7	12,7	14,7	16,5	18,2	19,8	21,3	22,6	23,8	24,9	25,7	26,4	27,0	27,3	27,5	27,5	27,5	27,5	27,5	27,5	27,5
2,00	11,6	13,8	15,9	17,8	19,7	21,5	23,1	24,6	25,9	27,1	28,1	29,0	29,6	30,1	30,4	30,5	30,5	30,5	30,5	30,5	30,5
2,05	12,5	14,9	17,1	19,3	21,3	23,3	25,0	26,7	28,2	29,5	30,7	31,6	32,4	33,0	33,4	33,6	33,6	33,6	33,6	33,6	33,6
2,10	13,5	16,0	18,4	20,8	23,0	25,1	27,1	28,9	30,5	32,0	33,3	34,5	35,4	36,1	36,6	36,9	37,0	37,0	37,0	37,0	37,0
2,15	14,5	17,2	19,8	22,4	24,8	27,1	29,2	31,2	33,0	34,7	36,1	37,4	38,5	39,4	40,0	40,5	40,7	40,7	40,7	40,7	40,7
2,20	15,5	18,5	21,3	24,0	26,6	29,1	31,5	33,6	35,6	37,5	39,1	40,5	41,8	42,8	43,6	44,2	44,5	44,6	44,6	44,6	44,6
2,25	16,6	19,8	22,8	25,8	28,6	31,3	33,8	36,2	38,4	40,4	42,2	43,8	45,2	46,4	47,3	48,1	48,5	48,8	48,8	48,8	48,8
2,30	17,8	21,1	24,4	27,6	30,6	33,5	36,3	38,9	41,3	43,5	45,5	47,3	48,8	50,2	51,3	52,2	52,8	53,2	53,3	53,3	53,3
2,35	19,0	22,6	26,1	29,5	32,8	35,9	38,8	41,6	44,3	46,7	48,9	50,9	52,6	54,2	55,5	56,5	57,3	57,8	58,1	58,1	58,1
2,40	20,2	24,1	27,8	31,5	35,0	38,3	41,5	44,6	47,4	50,0	52,4	54,6	56,6	58,3	59,8	61,0	62,0	62,6	63,1	63,2	63,2
2,45	21,5	25,6	29,6	33,5	37,3	40,9	44,3	47,6	50,7	53,5	56,2	58,6	60,8	62,7	64,4	65,8	66,9	67,7	68,3	68,6	68,6
2,50	22,9	27,3	31,5	35,7	39,7	43,6	47,3	50,8	54,1	57,2	60,1	62,7	65,1	67,2	69,1	70,7	72,0	73,1	73,8	74,3	74,4
2,60	25,8	30,7	35,6	40,3	44,8	49,3	53,5	57,5	61,4	65,0	68,4	71,5	74,4	77,0	79,3	81,3	83,1	84,5	85,6	86,4	86,9
2,70	28,9	34,5	39,9	45,2	50,4	55,4	60,2	64,9	69,3	73,4	77,4	81,0	84,4	87,5	90,3	92,9	95,1	96,9	98,5	99,7	100,5

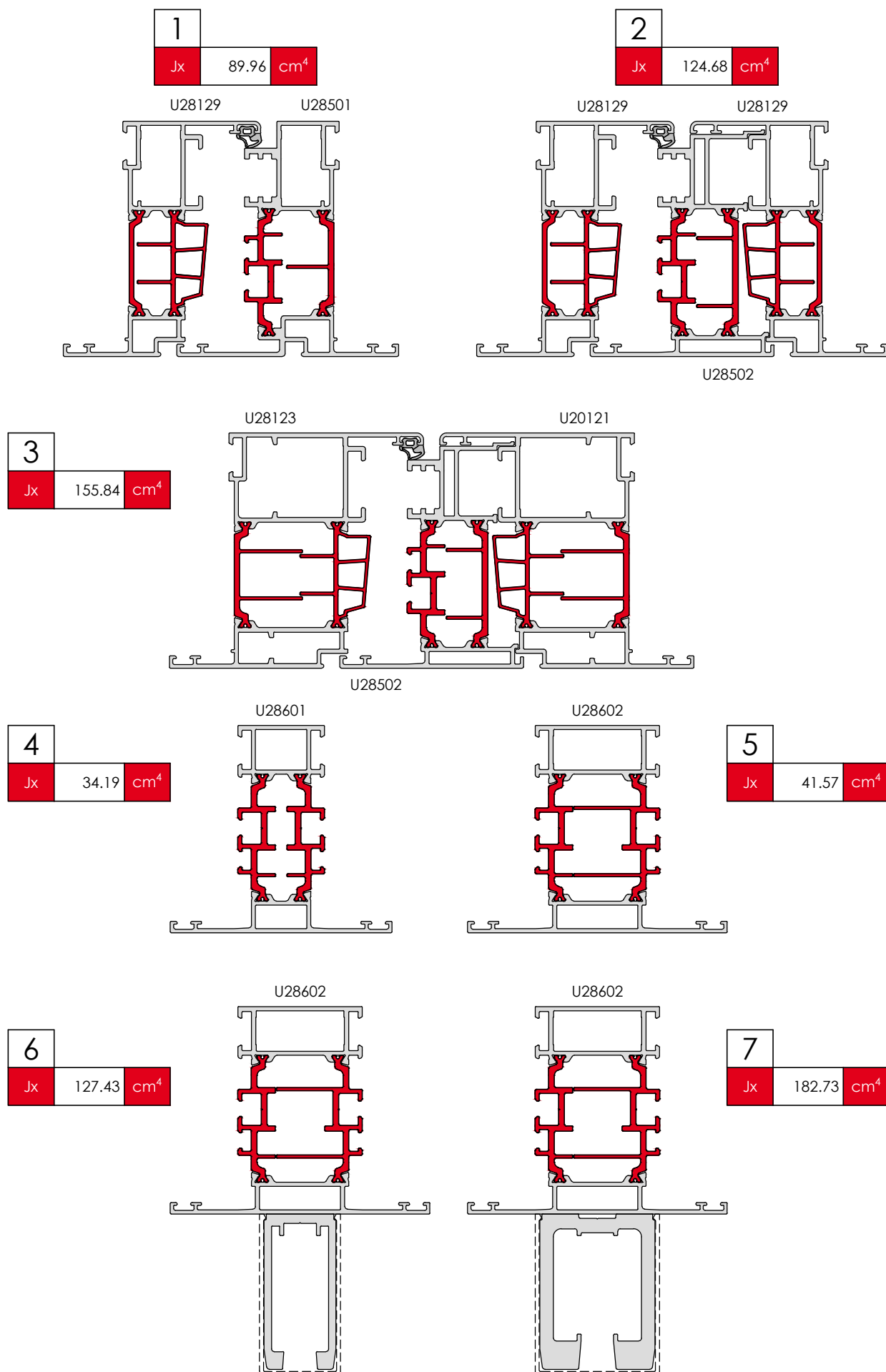
Carico vento		1200 Pa																			
H/200																					
H	L ₀																				
	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30	2,40	2,50
1,00	2,0	2,3	2,5	2,7	2,8	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,9	2,9
1,05	2,4	2,7	3,0	3,2	3,4	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5
1,10	2,7	3,2	3,5	3,8	4,0	4,1	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2
1,15	3,1	3,6	4,1	4,4	4,7	4,9	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0
1,20	3,6	4,2	4,7	5,1	5,5	5,7	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9
1,25	4,1	4,8	5,4	5,9	6,3	6,6	6,9	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
1,30	4,6	5,4	6,1	6,7	7,2	7,6	7,9	8,1	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2	8,2
1,35	5,2	6,1	6,9	7,6	8,2	8,7	9,1	9,3	9,5	9,5	9,5	9,5	9,5	9,5	9,5	9,5	9,5	9,5	9,5	9,5	9,5
1,40	5,8	6,8	7,7	8,6	9,3	9,9	10,4	10,7	10,9	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0
1,45	6,5	7,6	8,7	9,6	10,4	11,1	11,7	12,2	12,5	12,6	12,6	12,6	12,6	12,6	12,6	12,6	12,6	12,6	12,6	12,6	12,6
1,50	7,2	8,5	9,6	10,7	11,7	12,5	13,2	13,7	14,1	14,4	14,5	14,5	14,5	14,5	14,5	14,5	14,5	14,5	14,5	14,5	14,5
1,55	8,0	9,4	10,7	11,9	13,0	14,0	14,8	15,5	16,0	16,3	16,5	16,5	16,5	16,5	16,5	16,5	16,5	16,5	16,5	16,5	16,5
1,60	8,8	10,4	11,8	13,2	14,4	15,5	16,5	17,3	17,9	18,4	18,6	18,7	18,7	18,7	18,7	18,7	18,7	18,7	18,7	18,7	18,7
1,65	9,7	11,4	13,0	14,6	16,0	17,2	18,3	19,2	20,0	20,6	21,0	21,2	21,2	21,2	21,2	21,2	21,2	21,2	21,2	21,2	21,2
1,70	10,6	12,5	14,3	16,0	17,6	19,0	20,3	21,3	22,2	22,9	23,5	23,8	23,9	23,9	23,9	23,9	23,9	23,9	23,9	23,9	23,9
1,75	11,6	13,7	15,7	17,6	19,3	20,9	22,3	23,6	24,6	25,5	26,1	26,6	26,8	26,8	26,8	26,8	26,8	26,8	26,8	26,8	26,8
1,80	12,6	14,9	17,1	19,2	21,1	22,9	24,5	25,9	27,2	28,2	29,0	29,5	29,9	30,0	30,0	30,0	30,0	30,0	30,0	30,0	30,0
1,85	13,7	16,3	18,7	21,0	23,1	25,1	26,9	28,5	29,8	31,0	32,0	32,7	33,2	33,4	33,5	33,5	33,5	33,5	33,5	33,5	33,5
1,90	14,9	17,6	20,3	22,8	25,1	27,3	29,3	31,1	32,7	34,1	35,2	36,1	36,7	37,1	37,2	37,2	37,2	37,2	37,2	37,2	37,2
1,95	16,1	19,1	22,0	24,7	27,3	29,7	31,9	33,9	35,7	37,3	38,6	39,7	40,5	41,0	41,3	41,3	41,3	41,3	41,3	41,3	41,3
2,00	17,4	20,7	23,8	26,8	29,6	32,2	34,7	36,9	38,9	40,7	42,2	43,5	44,4	45,1	45,6	45,7	45,7	45,7	45,7	45,7	45,7
2,05	18,8	22,3	25,7	28,9	32,0	34,9	37,6	40,0	42,3	44,3	46,0	47,5	48,6	49,5	50,1	50,4	50,5	50,5	50,5	50,5	50,5
2,10	20,2	24,0	27,7	31,2	34,5	37,7	40,6	43,3	45,8	48,0	50,0	51,7	53,1	54,2	54,9	55,4	55,6	55,6	55,6	55,6	55,6
2,15	21,7	25,8	29,8	33,6	37,2	40,6	43,8	46,8	49,6	52,0	54,2	56,1	57,7	59,0	60,0	60,7	61,0	61,1	61,1	61,1	61,1
2,20	23,3	27,7	31,9	36,0	40,0	43,7	47,2	50,5	53,5	56,2	58,7	60,8	62,7	64,2	65,4	66,2	66,8	66,9	66,9	66,9	66,9
2,25	24,9	29,6	34,2	38,6	42,9	46,9	50,7	54,3	57,6	60,6	63,3	65,7	67,8	69,6	71,0	72,1	72,8	73,2	73,2	73,2	73,2
2,30	26,6	31,7	36,6	41,4	45,9	50,3	54,4	58,3	61,9	65,2	68,2	70,9	73,3	75,3	77,0	78,3	79,2	79,8	80,0	80,0	80,0
2,35	28,4	33,9	39,1	44,2	49,1	53,8	58,3	62,5	66,4	70,0	73,3	76,3	79,0	81,2	83,2	84,7	85,9	86,7	87,1	87,1	87,1
2,40	30,3	36,1	41,7	47,2	52,5	57,5	62,3	66,8	71,1	75,0	78,7	82,0	84,9	87,5	89,7	91,5	92,9	94,0	94,6	94,8	94,8
2,45	32,3	38,5	44,5	50,3	55,9	61,4	66,5	71,4	76,0	80,3	84,3	87,9	91,1	94,0	96,5	98,6	100,3	101,6	102,5	102,9	102,9
2,50	34,3	40,9	47,3	53,5	59,6	65,4	70,9	76,2	81,1	85,8	90,1	94,1	97,7	100,9	103,7	106,1	108,1	109,6	110,7	111,4	111,6
2,60	38,7	46,1	53,3	60,4	67,3	73,9	80,2	86,3	92,1	97,5	102,5	107,2	111,6	115,5	118,9	122,0	124,6	126,7	128,4	129,6	130,3
2,70	43,3	51,7	59,9	67,8	75,6	83,1	90,3	97,3	103,9	110,1	116,0	121,5	126,6	131,3	135,5	139,3	142,6	145,4	147,7	149,5	150,0

DIAGRAMMI CARICHI DI VENTO WIND LOADING CHART

Carico vento		1600 Pa																			
H/200																					
H	L ₀																				
	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30	2,40	2,50
1,00	2,7	3,1	3,4	3,6	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8	3,8
1,05	3,1	3,6	4,0	4,3	4,5	4,6	4,6	4,6	4,6	4,6	4,6	4,6	4,6	4,6	4,6	4,6	4,6	4,6	4,6	4,6	4,6
1,10	3,6	4,2	4,7	5,1	5,3	5,5	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6	5,6
1,15	4,2	4,9	5,4	5,9	6,3	6,5	6,6	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7
1,20	4,8	5,6	6,3	6,8	7,3	7,6	7,8	7,9	7,9	7,9	7,9	7,9	7,9	7,9	7,9	7,9	7,9	7,9	7,9	7,9	7,9
1,25	5,4	6,3	7,1	7,8	8,4	8,8	9,1	9,3	9,3	9,3	9,3	9,3	9,3	9,3	9,3	9,3	9,3	9,3	9,3	9,3	9,3
1,30	6,2	7,2	8,1	8,9	9,6	10,2	10,6	10,8	10,9	10,9	10,9	10,9	10,9	10,9	10,9	10,9	10,9	10,9	10,9	10,9	10,9
1,35	6,9	8,1	9,2	10,1	10,9	11,6	12,1	12,5	12,6	12,7	12,7	12,7	12,7	12,7	12,7	12,7	12,7	12,7	12,7	12,7	12,7
1,40	7,8	9,1	10,3	11,4	12,4	13,2	13,8	14,3	14,5	14,6	14,6	14,6	14,6	14,6	14,6	14,6	14,6	14,6	14,6	14,6	14,6
1,45	8,6	10,2	11,5	12,8	13,9	14,9	15,6	16,2	16,6	16,8	16,8	16,8	16,8	16,8	16,8	16,8	16,8	16,8	16,8	16,8	16,8
1,50	9,6	11,3	12,9	14,3	15,6	16,7	17,6	18,3	18,9	19,2	19,3	19,3	19,3	19,3	19,3	19,3	19,3	19,3	19,3	19,3	19,3
1,55	10,6	12,5	14,3	15,9	17,3	18,6	19,7	20,6	21,3	21,7	22,0	22,0	22,0	22,0	22,0	22,0	22,0	22,0	22,0	22,0	22,0
1,60	11,7	13,8	15,8	17,6	19,3	20,7	22,0	23,0	23,9	24,5	24,8	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0
1,65	12,9	15,2	17,4	19,4	21,3	23,0	24,4	25,7	26,7	27,4	27,9	28,2	28,2	28,2	28,2	28,2	28,2	28,2	28,2	28,2	28,2
1,70	14,1	16,7	19,1	21,4	23,5	25,3	27,0	28,4	29,6	30,6	31,3	31,7	31,8	31,8	31,8	31,8	31,8	31,8	31,8	31,8	31,8
1,75	15,4	18,3	20,9	23,4	25,8	27,9	29,8	31,4	32,8	34,0	34,8	35,4	35,7	35,7	35,7	35,7	35,7	35,7	35,7	35,7	35,7
1,80	16,8	19,9	22,9	25,6	28,2	30,6	32,7	34,6	36,2	37,6	38,6	39,4	39,8	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0
1,85	18,3	21,7	24,9	27,9	30,8	33,4	35,8	37,9	39,8	41,4	42,6	43,6	44,3	44,6	44,6	44,6	44,6	44,6	44,6	44,6	44,6
1,90	19,9	23,5	27,0	30,4	33,5	36,4	39,1	41,5	43,6	45,4	46,9	48,1	49,0	49,5	49,6	49,6	49,6	49,6	49,6	49,6	49,6
1,95	21,5	25,5	29,3	33,0	36,4	39,6	42,6	45,2	47,6	49,7	51,5	52,9	54,0	54,7	55,0	55,1	55,1	55,1	55,1	55,1	55,1
2,00	23,2	27,6	31,7	35,7	39,5	43,0	46,2	49,2	51,9	54,2	56,3	57,9	59,2	60,2	60,8	61,0	61,0	61,0	61,0	61,0	61,0
2,05	25,0	29,7	34,2	38,6	42,7	46,5	50,1	53,4	56,4	59,0	61,3	63,3	64,8	66,0	66,8	67,2	67,3	67,3	67,3	67,3	67,3
2,10	26,9	32,0	36,9	41,6	46,0	50,2	54,2	57,8	61,1	64,1	66,7	68,9	70,8	72,2	73,2	73,9	74,1	74,1	74,1	74,1	74,1
2,15	28,9	34,4	39,7	44,7	49,6	54,1	58,4	62,4	66,1	69,4	72,3	74,8	77,0	78,7	80,0	80,9	81,3	81,4	81,4	81,4	81,4
2,20	31,0	36,9	42,6	48,1	53,3	58,3	62,9	67,3	71,3	74,9	78,2	81,1	83,5	85,6	87,2	88,3	89,0	89,2	89,2	89,2	89,2
2,25	33,2	39,5	45,6	51,5	57,2	62,6	67,6	72,4	76,8	80,8	84,4	87,6	90,4	92,8	94,7	96,1	97,1	97,6	97,6	97,6	97,6
2,30	35,5	42,3	48,8	55,2	61,2	67,0	72,5	77,7	82,5	86,9	90,9	94,5	97,7	100,4	102,6	104,3	105,6	106,4	106,6	106,6	106,6
2,35	37,9	45,1	52,2	59,0	65,5	71,8	77,7	83,3	88,5	93,3	97,8	101,7	105,3	108,3	110,9	113,0	114,5	115,6	116,1	116,2	116,2
2,40	40,4	48,1	55,7	62,9	70,0	76,7	83,1	89,1	94,8	100,1	104,9	109,3	113,2	116,7	119,6	122,0	123,9	125,3	126,1	126,4	126,4
2,45	43,0	51,3	59,3	67,1	74,6	81,8	88,7	95,2	101,3	107,1	112,4	117,2	121,5	125,4	128,7	131,5	133,8	135,5	136,6	137,2	137,3
2,50	45,8	54,5	63,1	71,4	79,4	87,1	94,5	101,6	108,2	114,4	120,1	125,4	130,2	134,5	138,2	141,4	144,1	146,1	147,6	148,5	148,8
2,60	51,5	61,4	71,1	80,6	89,7	98,5	107,0	115,1	122,7	130,0	136,7	143,0	148,7	153,9	158,6	162,6	166,1	169,0	171,2	172,8	173,8
2,70	57,8	68,9	79,8	90,5	100,8	110,8	120,5	129,7	138,5	146,9	154,7	162,1	168,8	175,1	180,7	185,7	190,1	193,8	196,9	199,3	201,1

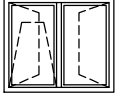
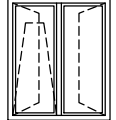
Carico vento		2000 Pa																			
H/200																					
H	L ₀																				
	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30	2,40	2,50
1,00	3,4	3,8	4,2	4,5	4,7	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8	4,8
1,05	3,9	4,5	5,0	5,4	5,6	5,8	5,8	5,8	5,8	5,8	5,8	5,8	5,8	5,8	5,8	5,8	5,8	5,8	5,8	5,8	5,8
1,10	4,6	5,3	5,9	6,3	6,7	6,9	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
1,15	5,2	6,1	6,8	7,4	7,8	8,2	8,3	8,3	8,3	8,3	8,3	8,3	8,3	8,3	8,3	8,3	8,3	8,3	8,3	8,3	8,3
1,20	6,0	7,0	7,8	8,5	9,1	9,5	9,8	9,9	9,9	9,9	9,9	9,9	9,9	9,9	9,9	9,9	9,9	9,9	9,9	9,9	9,9
1,25	6,8	7,9	8,9	9,8	10,5	11,1	11,4	11,6	11,6	11,6	11,6	11,6	11,6	11,6	11,6	11,6	11,6	11,6	11,6	11,6	11,6
1,30	7,7	9,0	10,2	11,2	12,0	12,7	13,2	13,5	13,6	13,6	13,6	13,6	13,6	13,6	13,6	13,6	13,6	13,6	13,6	13,6	13,6
1,35	8,7	10,1	11,5	12,7	13,7	14,5	15,1	15,6	15,8	15,8	15,8	15,8	15,8	15,8	15,8	15,8	15,8	15,8	15,8	15,8	15,8
1,40	9,7	11,4	12,9	14,3	15,5	16,5	17,3	17,8	18,2	18,3	18,3	18,3	18,3	18,3	18,3	18,3	18,3	18,3	18,3	18,3	18,3
1,45	10,8	12,7	14,4	16,0	17,4	18,6	19,5	20,3	20,8	21,0	21,1	21,1	21,1	21,1	21,1	21,1	21,1	21,1	21,1	21,1	21,1
1,50	12,0	14,1	16,1	17,9	19,5	20,8	22,0	22,9	23,6	24,0	24,1	24,1	24,1	24,1	24,1	24,1	24,1	24,1	24,1	24,1	24,1
1,55	13,3	15,6	17,8	19,9	21,7	23,3	24,6	25,8	26,6	27,2	27,5	27,5	27,5	27,5	27,5	27,5	27,5	27,5	27,5	27,5	27,5
1,60	14,6	17,3	19,7	22,0	24,1	25,9	27,5	28,8	29,8	30,6	31,1	31,2	31,2	31,2	31,2	31,2	31,2	31,2	31,2	31,2	31,2
1,65	16,1	19,0	21,7	24,3	26,6	28,7	30,5	32,1	33,3	34,3	34,9	35,3	35,3	35,3	35,3	35,3	35,3	35,3	35,3	35,3	35,3
1,70	17,7	20,9	23,9	26,7	29,3	31,7	33,8	35,6	37,1	38,2	39,1	39,6	39,8	39,8	39,8	39,8	39,8	39,8	39,8	39,8	39,8
1,75	19,3	22,8	26,2	29,3	32,2	34,8	37,2	39,3	41,0	42,4	43,5	44,3	44,6	44,7	44,7	44,7	44,7	44,7	44,7	44,7	44,7
1,80	21,0	24,9	28,6	32,0	35,2	38,2	40,9	43,2	45,3	46,9	48,3	49,2	49,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
1,85	22,9	27,1	31,1	34,9	38,5	41,8	44,8	47,4	49,7	51,7	53,3	54,5	55,3	55,7	55,8	55,8	55,8	55,8	55,8	55,8	55,8
1,90	24,8	29,4	33,8	38,0	41,9	45,5	48,9	51,9	54,5	56,8	58,7	60,1	61,2	61,8	62,1	62,1	62,1	62,1	62,1	62,1	62,1
1,95	26,9	31,9	36,7	41,2	45,5	49,5	53,2	56,6	59,5	62,1	64,3	66,1	67,4	68,3	68,8	68,9	68,9	68,9	68,9	68,9	68,9
2,00	29,0	34,4	39,7	44,6	49,3	53,7	57,8	61,5	64,9	67,8	70,3	72,4	74,1	75,2	76,0	76,2	76,2	76,2	76,2	76,2	76,2
2,05	31,3	37,2	42,8	48,2	53,3	58,1	62,6	66,7	70,5	73,8	76,7	79,1	81,1	82,5	83,5	84,0	84,1	84,1	84,1	84,1	84,1
2,10	33,7	40,0	46,1	52,0	57,5	62,8	67,7	72,2	76,4	80,1	83,3	86,1	88,4	90,3	91,6	92,3	92,6	92,6	92,6	92,6	92,6
2,15	36,2	43,0	49,6	55,9	62,0	67,7	73,0	78,0	82,6	86,7	90,4	93,6	96,2	98,4	100,0	101,1	101,7	101,8	101,8	101,8	101,8
2,20	38,8	46,1	53,2	60,1	66,6	72,8	78,7	84,1	89,1	93,7	97,8	101,4	104,4	107,0	109,0	110,4	111,3	111,6	111,6	111,6	111,6
2,25	41,5	49,4	57,1	64,4	71,5	78,2	84,5	90,5	96,0	101,0	105,5	109,6	113,1	116,0	118,4	120,2	121,4	122,0	122,0	122,0	122,0
2,30	44,4	52,8	61,0	69,0	76,6	83,8	90,7	97,1	103,1	108,7	113,7	118,2	122,1	125,5	128,3	130,4	132,0	132,9	133,3	133,3	133,3
2,35	47,4	56,4	65,2	73,7	81,9	89,7	97,1	104,1	110,6	116,7	122,2	127,2	131,6	135,4	138,6	141,2	143,2	144,5	145,1	145,2	145,2
2,40	50,5	60,2	69,6	78,7	87,4	95,8	103,8	111,4	118,5	125,1	131,1	136,6	141,5	145,8	149,5	152,5	154,9	156,6	157,6	158,0	158,0
2,45	53,8	64,1	74,1	83,8	93,2	102,3	110,9	119,0	126,7	133,8	140,4	146,5	151,9	156,7	160,9	164,4	167,2	169,3	170,8	171,5	171,6
2,50	57,2	68,2	78,8	89,2	99,3	108,9	118,2	126,9	135,2	143,0	150,2	156,8	162,8	168,1	172,8	176,8	180,1	182,7	184,5	185,6	186,0
2,60	64,4	76,8	88,9	100,7	112,1	123,2	133,7	143,8	153,4	162,5	170,9	178,7	185,9	192,4	198,2	203,3	207,6	211,2	214,0	216,0	217,2
2,70	72,2	86,1	99,8	113,1	126,0	138,5	150,6	162,1	173,1	183,6	193,4	202,6	211,1	218,8	225,9	232,1	237,6	242,3	246,2	249,2	251,4

► INERZIA NODI CENTRALI - CENTRAL MULLION INERTIA



► PRESTAZIONI - TEST PERFORMANCE

PROVE DI TENUTA - WEATHER TESTING

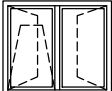
CAMPIONE MOCK UP	TIPOLOGIA DI FERRAMENTA TYPE OF HARDWARE	PERMEABILITA' ALL'ARIA AIR PERMEABILITY EN 1026 EN 12207	TENUTA ALL'ACQUA WATERTIGHTNESS EN 1027 EN 12208	RESISTENZA AL VENTO RESISTANCE TO WIND LOAD EN 12211 EN 12210	RAPPORTO DI PROVA N. LAB & TEST REPORT N.
 L 2000 H 1800	CERNIERE NASCOSTE C180 - 150 Kg C180 - 150 KG HIDDEN HINGES	4	E ₁₂₀₀	C5	1994-CPR-RP2114 IRcCOS 30.11.2020
 L 1390 H (1380+820)	CERNIERE NASCOSTE C180 - 150 Kg C180 - 150 KG HIDDEN HINGES	4	E ₁₅₀₀	C5	1994-CPR-RP2164 IRcCOS 20.01.2021
 L 1600 H 2300	CERNIERE NASCOSTE C180 - 150 Kg C180 - 150 KG HIDDEN HINGES	4	E ₁₂₀₀	C5	1994-CPR-RP2163 IRcCOS 20.01.2021

CERTIFICATI ANTIEFFRAZIONE - BURGLAR RESISTANCE TEST REPORTS

CAMPIONE MOCK UP	CLASSE DI RESISTENZA EN 1627, EN 1628, EN 1629, EN 1630 RESISTANCE CLASS N 1627, EN 1628, EN 1629, EN 1630	LABORATORIO E No. CERTIFICATO LAB & TEST REPORT N.
 L 1035 H 1535	RC 2 / 2N	24-000936-PR01 (PB-A01-05-en-01) ift Rosenheim 29.07.2024
 L 2000 H 1600	RC 2 / 2N	24-000936-PR02 (PB-A01-05-en-01) ift Rosenheim 31.07.2024

Test eseguiti su profilo C67K, estendibili a C77K per effetto dell'Expert Statement n. 24-000936-PR03
 Test executed on C67K profile, applicable to C77K by means of Expert Statement no. 24-000936-PR03

► PRESTAZIONI - TEST PERFORMANCE

PRESTAZIONI ACUSTICHE - ACOUSTICS PERFORMANCE			
CAMPIONE MOCK UP	COMPOSIZIONE VETROCAMERA GLASS COMPOSITION	POTERE FONOISOLANTE DEL SERRAMENTO SOUND INSULATION OF WINDOW EN ISO 10140-2 EN ISO 717-1	LABORATORIO E NO. CERTIFICATO LAB & TEST REPORT N.
 L1230 H1480	6/15/44.2 Rw=40 dB	$R_w (C; C_{tr}) = 41 (-2 ; -6) \text{ dB}$	Ist. Giordano 389442/14669/CPR del 30.11.21
	55.1a/16/44.2a Rw=44 dB	$R_w (C; C_{tr}) = 45 (-3 ; -8) \text{ dB}$	
	66.2a/15/44.2a Rw=47 dB	$R_w (C; C_{tr}) = 45 (-2 ; -6) \text{ dB}$	
	88.2a/20/55.1a Rw=51 dB	$R_w (C; C_{tr}) = 49 (-2 ; -6) \text{ dB}$	
 L1230 H1480	6/15/44.2 Rw=40 dB	$R_w (C; C_{tr}) = 41 (-2 ; -5) \text{ dB}$	Ist. Giordano 389443/14670/CPR del 30.11.21
	55.1a/16/44.2a Rw=44 dB	$R_w (C; C_{tr}) = 44 (-2 ; -6) \text{ dB}$	
	66.2a/15/44.2a Rw=47 dB	$R_w (C; C_{tr}) = 44 (-2 ; -6) \text{ dB}$	
	88.2a/20/55.1a Rw=51 dB	$R_w (C; C_{tr}) = 46 (-2 ; -6) \text{ dB}$	

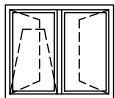
Prestazione R_w del vetrocamera dichiarata dal Produttore.
Rw acoustic performance of the glass declared by Manufacturer.

➤ PRESTAZIONI - TEST PERFORMANCE

CERTIFICATI FERRAMENTA ANTARIBALTA - TURN & TILT HARDWARE TEST REPORTS

CAMPIONE MOCK UP	DURABILITA' DURABILITY	MASSA MASS	RESISTENZA ALLA CORROSIONE CORROSION RESISTANCE	DIMENSIONE DIMENSION	LABORATORIO E No. CERTIFICATO LAB & TEST REPORT N.
 L 1300 H 1200	H3 (20.000 cicli)	130 [kg]	5 (480h)	1300x1200 [mm]	24-000683-PR01 (PB-G05-03-en-01) ift Rosenheim 18.04.2024
 L 1550 H 1400	H3 (20.000 cicli)	180 [kg]	5 (480h)	1550x1400 [mm]	24-000683-PR02 (PB-G05-03-en-01) ift Rosenheim 18.04.2024

TRASMITTANZA TERMICA (U_w) - THERMAL TRANSMITTANCE (U_w)

 L 1230 H 1480	DOPPIO VETRO DOUBLE GLAZING $\psi = 0.035 \text{ W/mK}$ $U_g = 1.0 \text{ W/m}^2\text{K}$	Top	$U_w = 1.19 \text{ W/m}^2\text{K}$
	TRIPLO VETRO TRIPLE GLAZING $\psi = 0.031 \text{ W/mK}$ $U_g = 0.6 \text{ W/m}^2\text{K}$	Top	$U_w = 0.89 \text{ W/m}^2\text{K}$
 L 1540 H 1480	DOPPIO VETRO DOUBLE GLAZING $\psi = 0.035 \text{ W/mK}$ $U_g = 1.0 \text{ W/m}^2\text{K}$	Top	$U_w = 1.24 \text{ W/m}^2\text{K}$
	TRIPLO VETRO TRIPLE GLAZING $\psi = 0.031 \text{ W/mK}$ $U_g = 0.6 \text{ W/m}^2\text{K}$	Top	$U_w = 0.95 \text{ W/m}^2\text{K}$

▶ TRASMITTANZA TERMICA (U_f) THERMAL TRANSMITTANCE (U_f)

TRASMITTANZA TERMICA - THERMAL TRANSMITTANCE

TIPOLOGIA TIPOLOGY	TRASMITTANZA TERMICA U_f THERMAL TRANSMITTANCE U_f	RAPPORTO DI PROVA N. LAB & TEST REPORT N.
Battente ver. TOP Casement window	EN ISO 10077-2	IRcCOS 1994-CPR-RP2798 12.02.2024

Questa è solo una sintesi dei rapporti di prova, a solo titolo informativo.

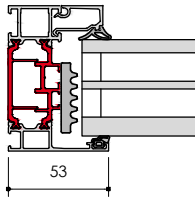
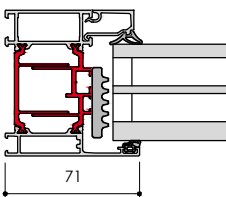
Per informazioni complete, si prega di fare riferimento al rapporto di prova completo, disponibile su richiesta.

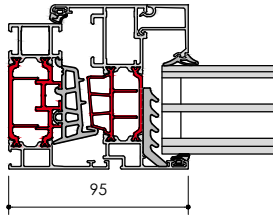
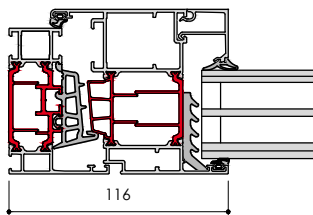
This is only a summary of test reports for information purposes only.

For complete information, please refer to the full test report which is available upon request.

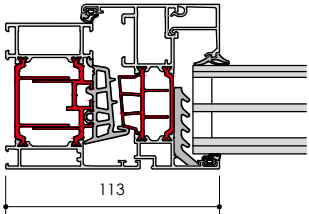
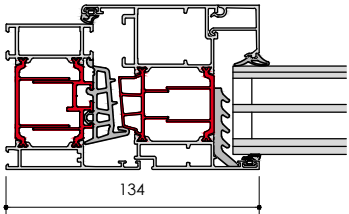
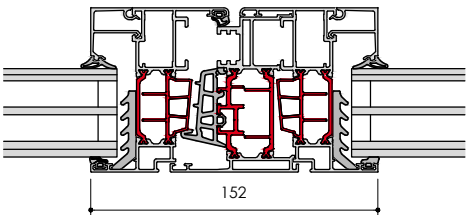
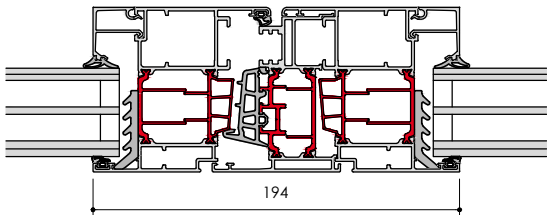
La trasmittanza termica (U_f) dei nodi è calcolata secondo EN ISO 10077-2.

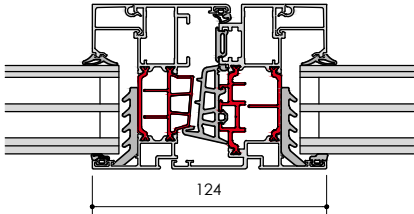
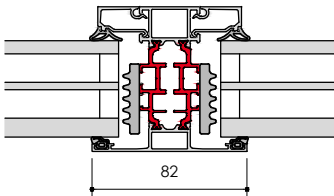
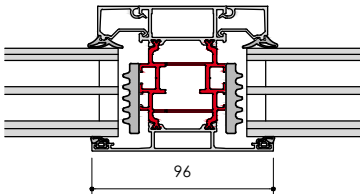
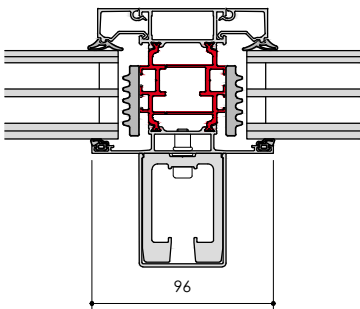
Thermal transmittance (U_f) of the nodes calculated according to EN ISO 10077-2.

U_f [W/m ² K]	
$\epsilon = 0.3$	
	
1.3 (1.30)	U28002
	
1.3 (1.26)	U28003

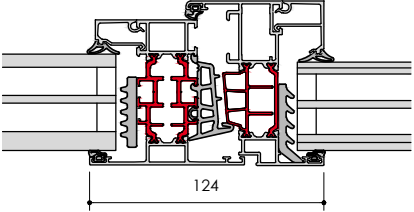
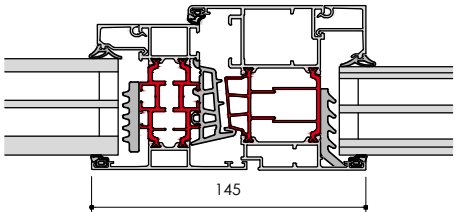
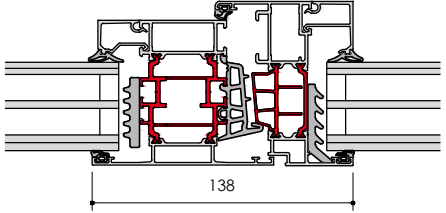
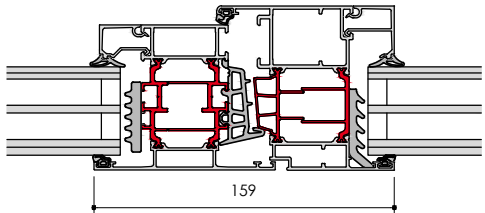
U_f [W/m ² K]	
$\epsilon = 0.3$	
	
1.4 (1.39)	U28002 - U28129
	
1.4 (1.37)	U28002 - U28130

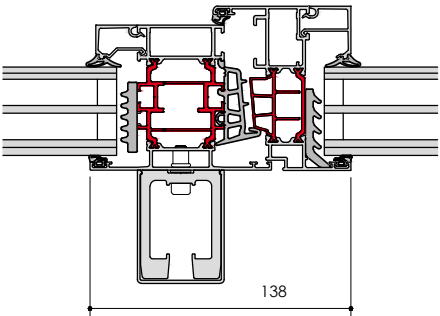
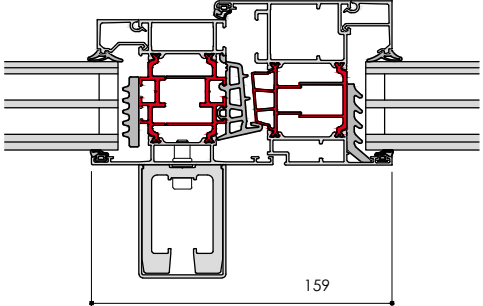
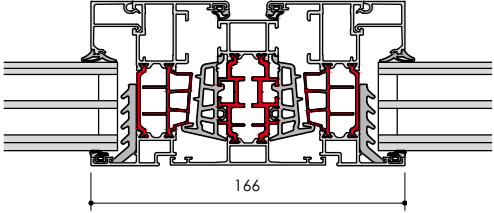
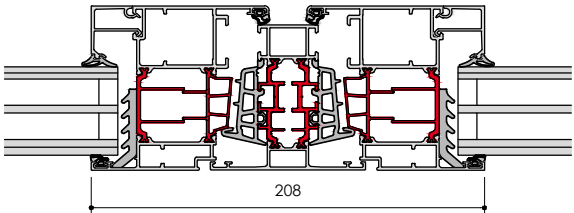
► TRASMITTANZA TERMICA (U_f)
THERMAL TRANSMITTANCE (U_f)

		U_f [W/m ² K]
		$\varepsilon = 0.3$
		
1.3 (1.35)	U28003 - U28129	
		
1.3 (1.34)	U28003 - U28130	
		
1.4 (1.39)	U28129 - U28502 U28129	
		
1.4 (1.36)	U28130 - U28502 U28130	

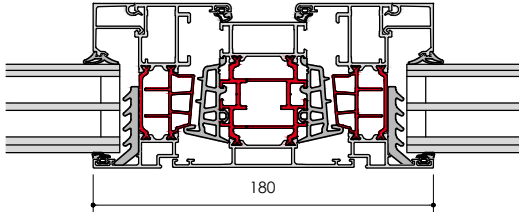
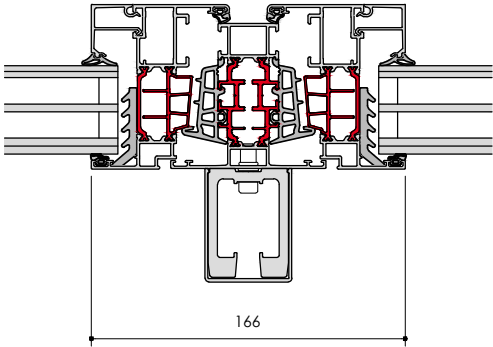
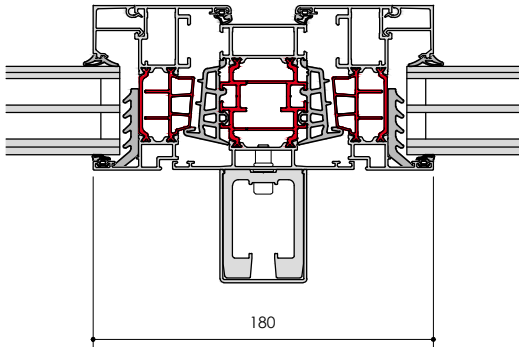
		U_f [W/m ² K]
		$\varepsilon = 0.3$
		
1.4 (1.36)	U28129 - U28501	
		
1.3 (1.31)	U28601	
		
1.2 (1.17)	U28602	
		
1.2 (1.19)	U28602 - K1452	

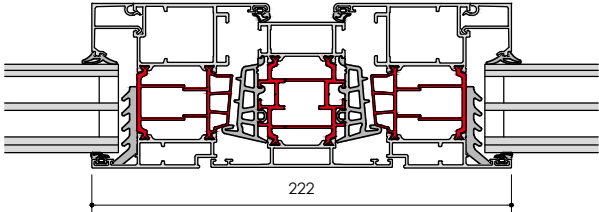
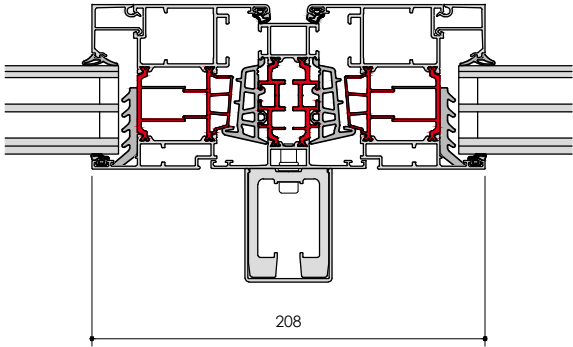
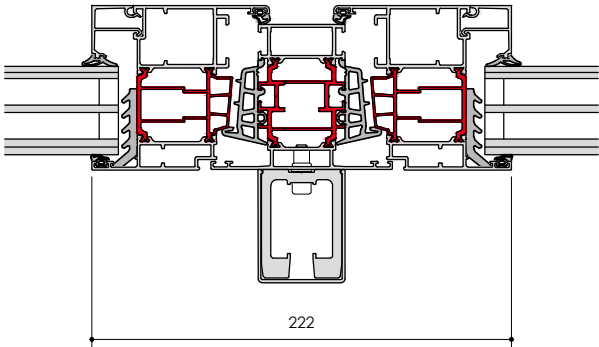
▶ TRASMITTANZA TERMICA (U_f)
THERMAL TRANSMITTANCE (U_f)

U_f [W/m ² K]	
$\epsilon = 0.3$	
	
1.4 (1.39)	U28601 - U28129
	
1.4 (1.38)	U28601 - U28130
	
1.3 (1.28)	U28602 - U28129
	
1.3 (1.29)	U28602 - U28130

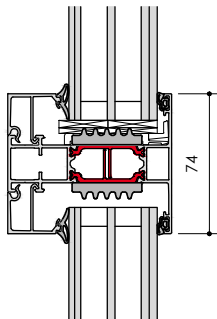
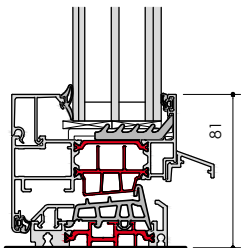
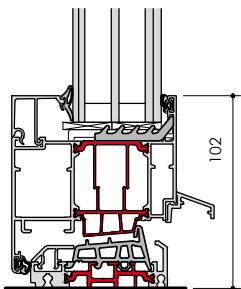
U_f [W/m ² K]	
$\epsilon = 0.3$	
	
1.3 (1.30)	U28602 - K1452 U28129
	
1.3 (1.31)	U28602 - K1452 U28130
	
1.4 (1.40)	U28129 - U28601 U28129
	
1.4 (1.38)	U28130 - U28601 U28130

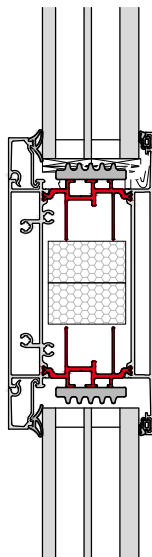
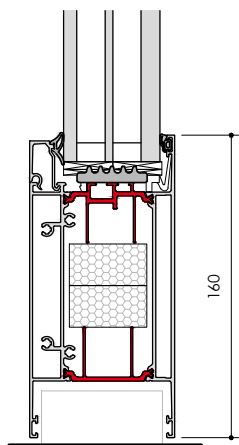
▶ TRASMITTANZA TERMICA (U_f)
THERMAL TRANSMITTANCE (U_f)

U_f [W/m ² K]	
$\epsilon = 0.3$	
	
1.3 (1.33)	U28129 - U20602 U28129
	
1.4 (1.41)	U28129 - U28601 K1452 - U28129
	
1.3 (1.35)	U28129 - U28602 K1452 - U28129

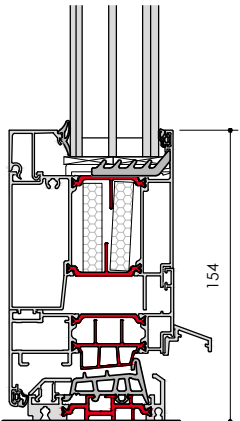
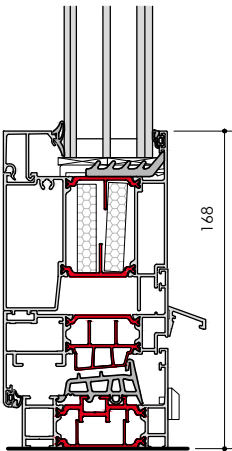
U_f [W/m ² K]	
$\epsilon = 0.3$	
	
1.4 (1.38)	U28130 - U28602 U28130
	
1.4 (1.39)	U28130 - U28601 K1452 - U20130
	
1.3 (1.33)	U28130 - U28602 K1452 - U28130

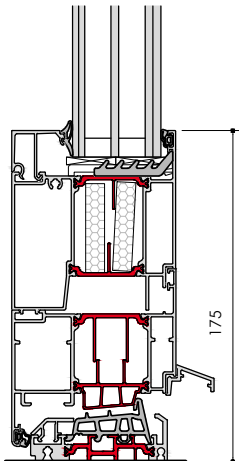
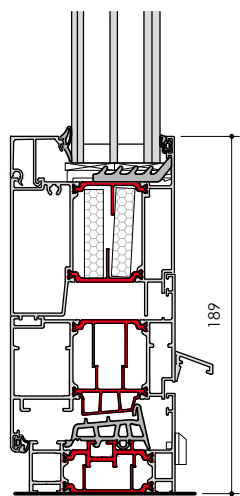
➤ TRASMITTANZA TERMICA (U_f)
THERMAL TRANSMITTANCE (U_f)

U_f [W/m ² K]	
$\varepsilon = 0.3$	
	
1.2 (1.22)	U28605
	
1.4 (1.42)	U28400 - U28129
	
1.4 (1.40)	U28400 - U28130

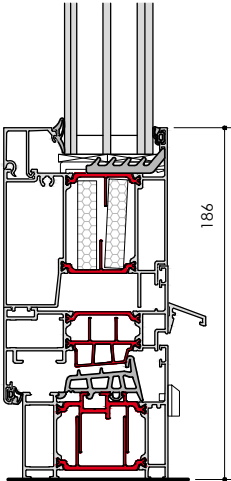
U_f [W/m ² K]	
$\varepsilon = 0.3$	
	
1.0 (1.00)	U28604
	
1.1 (1.14)	U28630

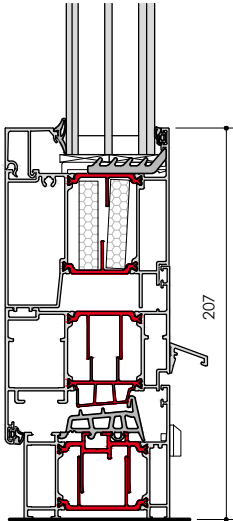
> TRASMITTANZA TERMICA (U_f)
 > THERMAL TRANSMITTANCE (U_f)

		U_f [W/m ² K] $\varepsilon = 0.3$
		
1.5 (1.52)	U28400 - U28129 U28631	
		
1.5 (1.48)	U28002 - U28129 U28631	

		U_f [W/m ² K] $\varepsilon = 0.3$
		
1.5 (1.48)	U28400 - U28130 U28631	
		
1.5 (1.45)	U28002 - U28130 U28631	

▶ TRASMITTANZA TERMICA (U_f)
 THERMAL TRANSMITTANCE (U_f)

		U_f [W/m ² K] $\varepsilon = 0.3$
		
1.5 (1.45)	U28003 - U28129 U28631	

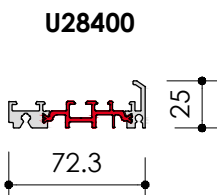
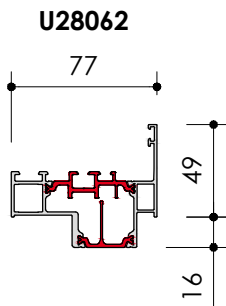
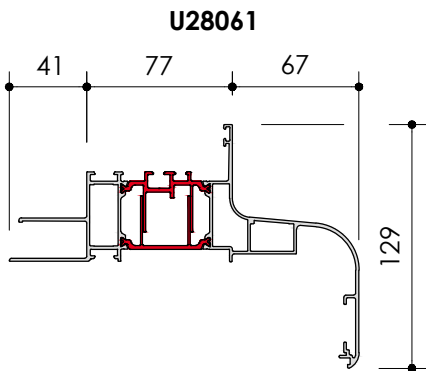
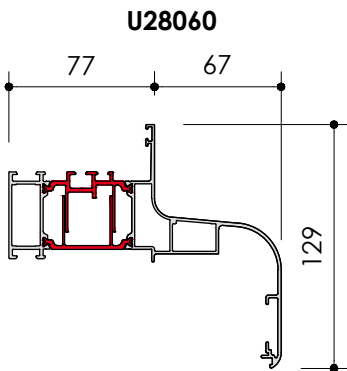
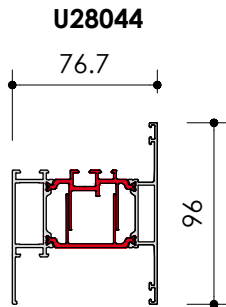
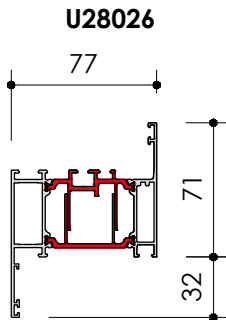
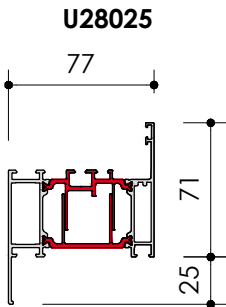
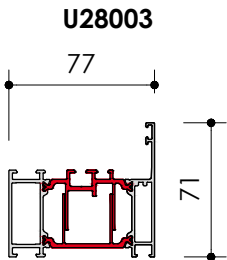
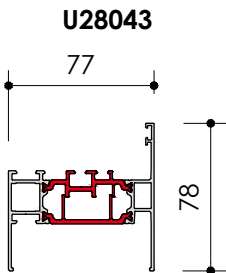
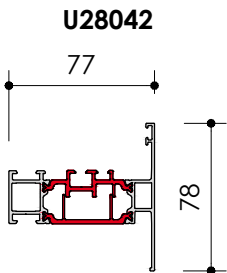
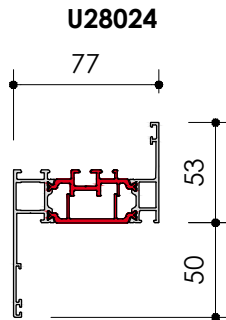
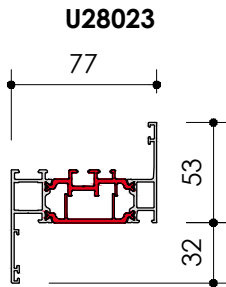
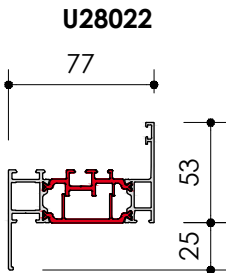
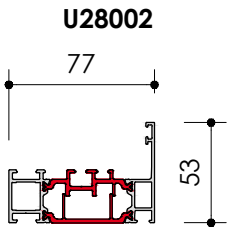
		U_f [W/m ² K] $\varepsilon = 0.3$
		
1.4 (1.44)	U28003 - U28130 U28631	

Section 2

Indice profili

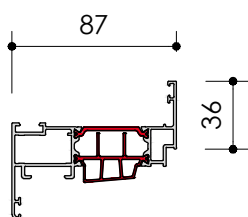
Profile index

STIPITI - FIXED FRAME PROFILES

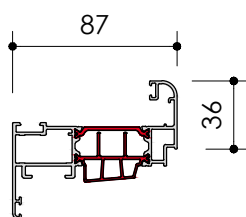


ANTE - WING PROFILES

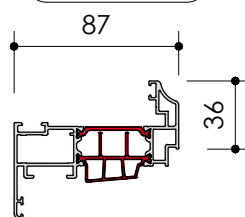
U28129
(U28120)



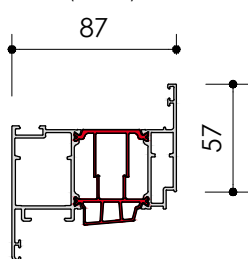
U28131
(U28121)



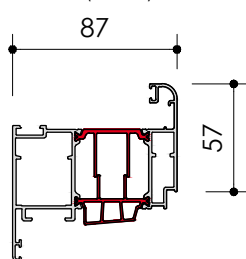
U28133
(U28122)



U28130
(U28123)

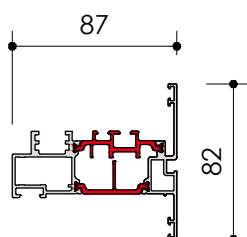


U28132
(U28124)

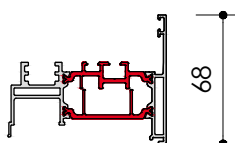


PROFILI DI GIUNZIONE - MEETING STYLE PROFILE

U28501

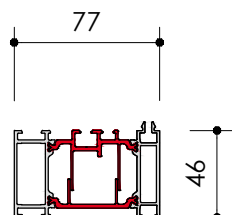


U28502

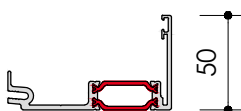


PROFILI AGGIUNTIVI - ADDITIONAL PROFILES

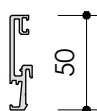
U28606



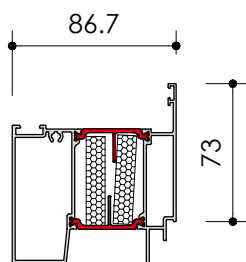
U47601



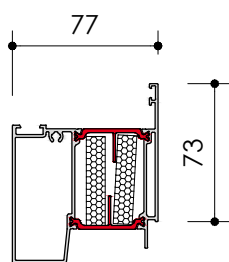
K1498



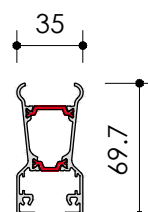
U28631



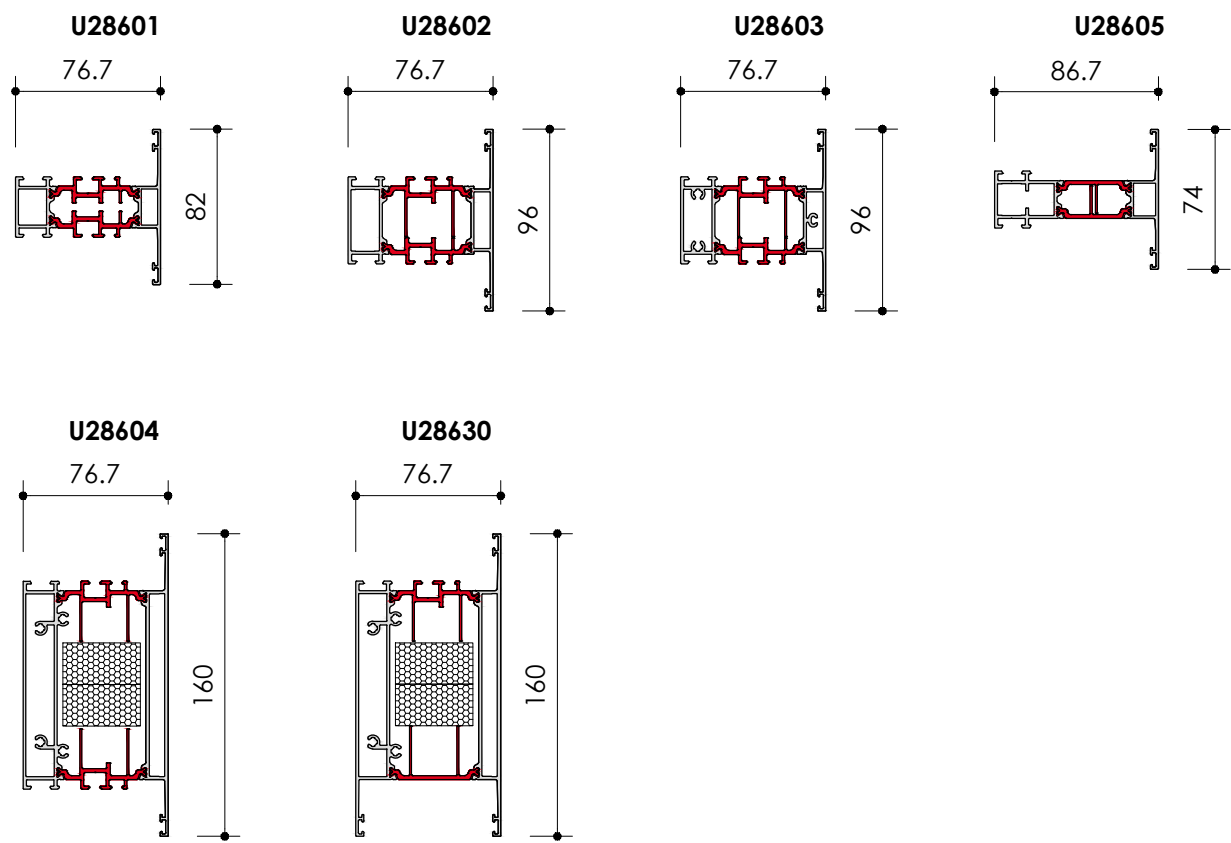
U28632



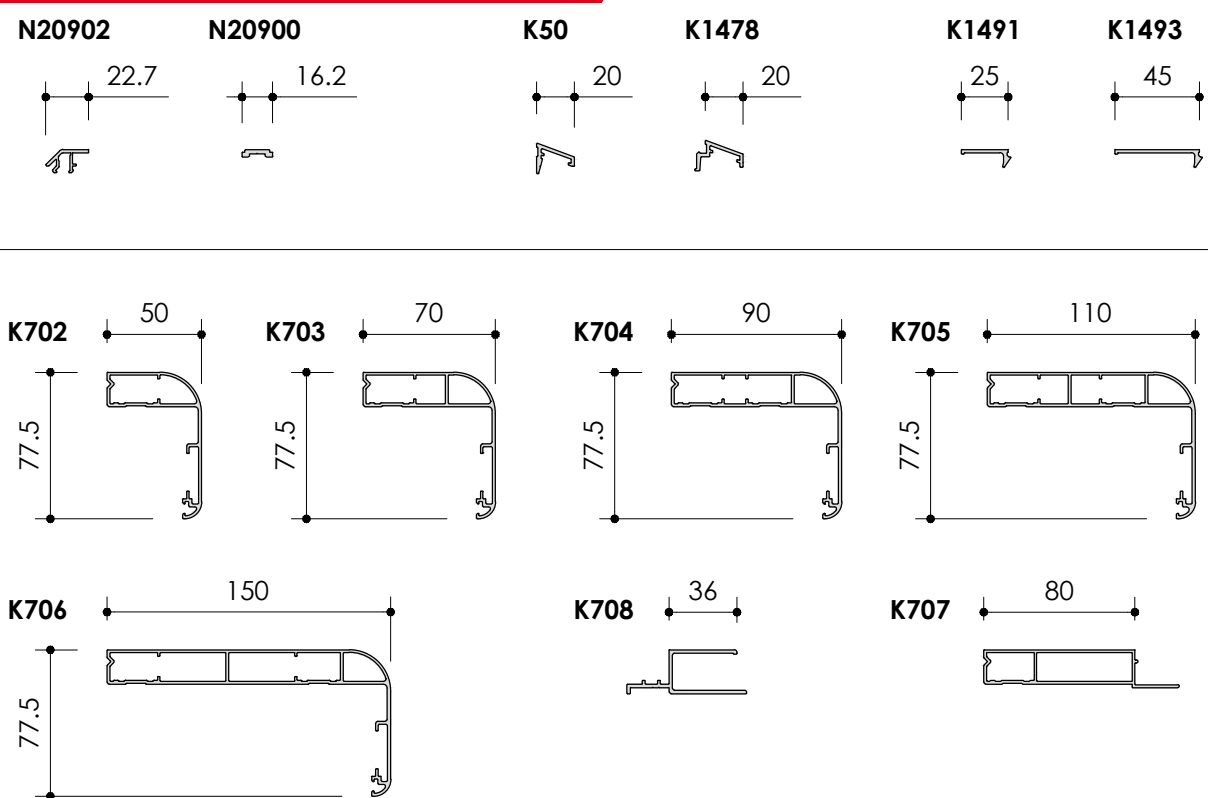
▲ **K1481**



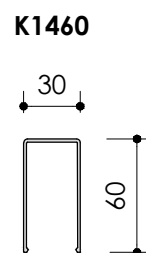
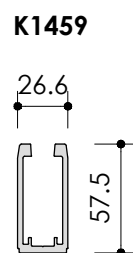
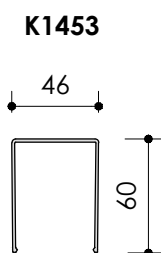
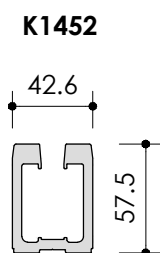
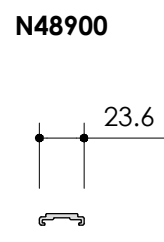
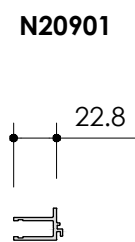
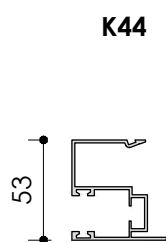
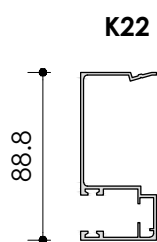
PROFILI AGGIUNTIVI - ADDITIONAL PROFILES



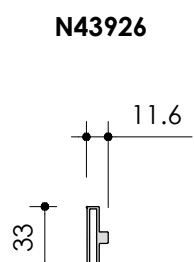
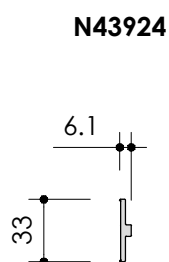
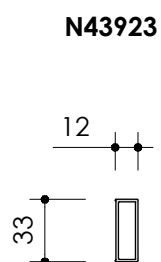
PROFILI COMPLEMENTARI - OTHER SECTIONS



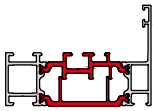
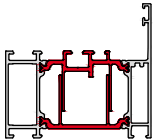
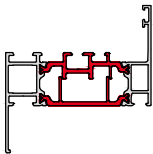
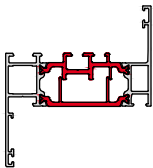
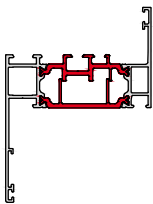
PROFILI COMPLEMENTARI - OTHER PROFILES

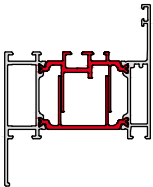
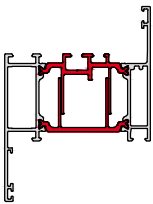
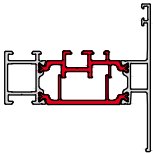
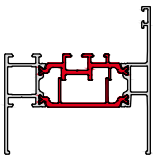
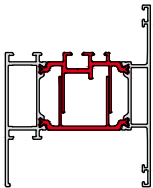


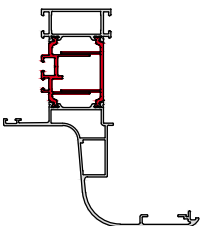
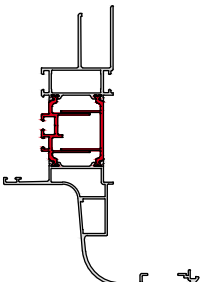
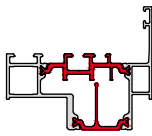
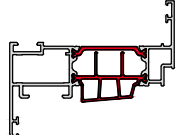
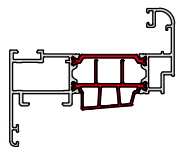
PROFILI AGGIUNTIVI - ADDITIONAL PROFILES

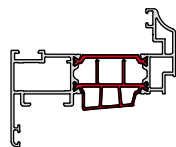
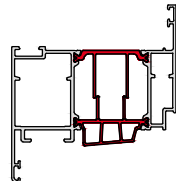
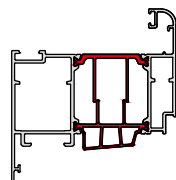
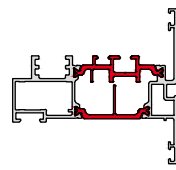


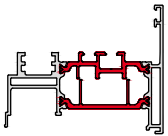
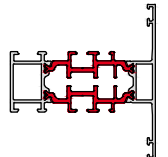
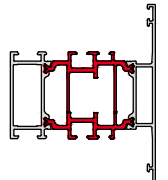
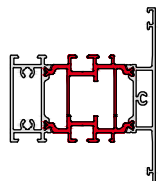
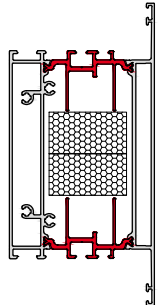
SOLO ALL'INTERNO
INSIDE ONLY

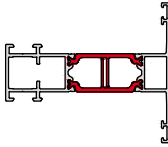
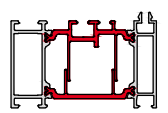
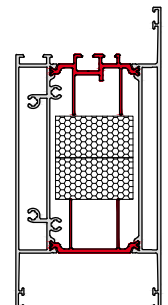
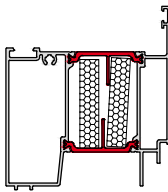
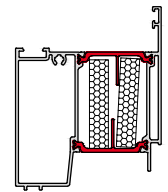
SEZIONE SECTION	CODICE CODE	DESCRIZIONE DESCRIPTION
 PAG. 5.01	U28002	Telaio "L" (53 mm) "L" Outer frame (53 mm)
 PAG. 5.04	U28003	Telaio "L" (71 mm) "L" Outer frame (71 mm)
 PAG. 5.01	U28022	Telaio "Z" (53 mm) con ala 25 mm "Z" Outer frame (53 mm) with 25 mm wing
 PAG. 5.02	U28023	Telaio "Z" (53 mm) con ala 32 mm "Z" Outer frame (53 mm) with 32 mm wing
 PAG. 5.02	U28024	Telaio "Z" (53 mm) con ala 50 mm "Z" Outer frame (53 mm) with 50 mm wing

SEZIONE SECTION	CODICE CODE	DESCRIZIONE DESCRIPTION
 PAG. 5.04	U28025	Telaio "Z" (71 mm) con ala 25 mm "Z" Outer frame (71 mm) with 25 mm wing
 PAG. 5.05	U28026	Telaio "Z" (71 mm) con ala 32 mm "Z" Outer frame (71 mm) with 32 mm wing
 PAG. 5.03	U28042	Telaio "T" (78 mm) "T" Frame (78 mm)
 PAG. 5.03	U28043	Telaio "T" (78 mm) "T" Frame (78 mm)
 PAG. 5.05	U28044	Telaio "T" (96 mm) "T" Frame (96 mm)

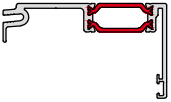
SEZIONE SECTION	CODICE CODE	DESCRIZIONE DESCRIPTION
 PAG. 5.07	U28060	Telaio Imbotte Frame intrados
 PAG. 5.06	U28061	Telaio Imbotte Frame intrados
 PAG. 5.06	U28062	Profilo per inserimento in facciata Section to insert in curtain wall
 PAG. 5.08	U28129 (U28120)	Anta (36 mm) Sash (36 mm)
 PAG. 5.09	U28131 (U28121)	Anta stondata (36 mm) Rounded sash (36 mm)

SEZIONE SECTION	CODICE CODE	DESCRIZIONE DESCRIPTION
 PAG. 5.10	U28133 (U28122)	Anta classic line (36 mm) Classic line sash (36 mm)
 PAG. 5.08	U28130 (U28123)	Anta (57 mm) Sash (57 mm)
 PAG. 5.09	U28132 (U28124)	Anta stondata (57 mm) Rounded sash (57 mm)
 PAG. 5.07	U28400	Soglia portabalcone Balcony-door threshold
 PAG. 5.11	U28501	"T" 2 ante (82 mm) "T" 2 sash (82 mm)

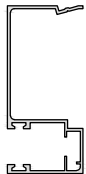
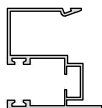
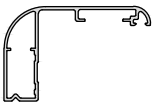
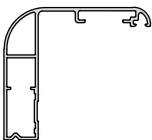
SEZIONE SECTION	CODICE CODE	DESCRIZIONE DESCRIPTION
 PAG. 5.11	U28502	Stulp (68 mm) <i>Meeting style profile (68 mm)</i>
 PAG. 5.12	U28601	Traverso (82 mm) <i>Transom (82 mm)</i>
 PAG. 5.12	U28602	Traverso (96 mm) <i>Transom (96 mm)</i>
 PAG. 5.13	U28603	Traverso (96 mm) con tiravite <i>Transom (96 mm) with connection by screw</i>
 PAG. 5.14	U28604	Traverso con tiravite (160 mm) <i>Transom with connection by screw (160 mm)</i>

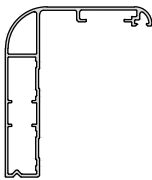
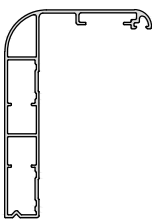
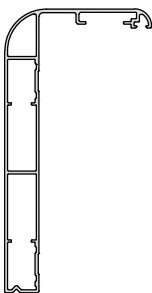
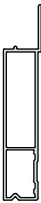
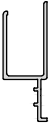
SEZIONE SECTION	CODICE CODE	DESCRIZIONE DESCRIPTION
 PAG. 5.13	U28605	Traverso anta (74 mm) <i>Sash transom (74 mm)</i>
 PAG. 5.16	U28606	Aggiuntivo stipite <i>Additional frame profile</i>
 PAG. 5.14	U28630	Traverso zoccolo con tiravite (160 mm) <i>Bottom transom with connection by screw (160 mm)</i>
 PAG. 5.15	U28631	Aggiuntivo anta (73 mm) <i>Additional sash transom (73 mm)</i>
 PAG. 5.15	U28632	Aggiuntivo per anta stondata <i>Additional transom for rounded sash</i>

► INDICE PROFILI

SEZIONE SECTION	CODICE CODE	DESCRIZIONE DESCRIPTION
 PAG. 5.16	U47601	Compensatore <i>Telescopic frame</i>
 PAG. 5.20	N20900	Asta di comando (14-18) <i>Control rod (14-18)</i>
 PAG. 5.20	N20901	Profilo per unione telai <i>Additional profile for frame</i>
 PAG. 5.19	N20902	Profilo coprisoglia ribassata <i>Cover profile for balcony-door threshold</i>
 PAG. 5.17	N43923	Profilo Inglesina 33x12 <i>Inglesina profile 33x12</i>

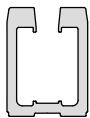
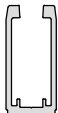
SEZIONE SECTION	CODICE CODE	DESCRIZIONE DESCRIPTION
 PAG. 5.17	N43924	Profilo Inglesina con nervatura 33x6 <i>Inglesina profile with 33x6 rib</i>
 PAG. 5.17	N43926	Profilo Inglesina con nervatura 33x12 <i>Inglesina profile with 33x12 rib</i>
 PAG. 5.20	N48900	Asta di comando <i>Control rod</i>

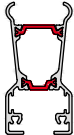
SEZIONE SECTION	CODICE CODE	DESCRIZIONE DESCRIPTION
 PAG. 5.19	K22	Guida tapparella <i>Guide for shutter</i>
 PAG. 5.19	K44	Guida tapparella <i>Guide for shutter</i>
 PAG. 5.19	K50	Gocciolatoio <i>Weather bar</i>
 PAG. 5.21	K702	Imbotte 50 mm <i>Intrados 50 mm</i>
 PAG. 5.21	K703	Imbotte 70 mm <i>Intrados 70 mm</i>

SEZIONE SECTION	CODICE CODE	DESCRIZIONE DESCRIPTION
 PAG. 5.22	K704	Imbotte 90 mm <i>Intrados 90 mm</i>
 PAG. 5.22	K705	Imbotte 110 mm <i>Intrados 110 mm</i>
 PAG. 5.23	K706	Imbotte 150 mm <i>Intrados 150 mm</i>
 PAG. 5.23	K707	Aggiuntivo imbotte 80 mm <i>80 mm intrados additional profile</i>
 PAG. 5.23	K708	Riporto porta imbotte <i>Carrier intrados</i>

INDICE PROFILI

▲ Articolo in esaurimento - Until stock is finished

SEZIONE SECTION	CODICE CODE	DESCRIZIONE DESCRIPTION
 PAG. 5.18	K1452	Rinforzo colonnina (46 mm) <i>Reinforcement profile (46 mm)</i>
 PAG. 5.18	K1453	Copertina (46 mm) <i>Cover (46 mm)</i>
 PAG. 5.18	K1459	Rinforzo colonnina (30 mm) <i>Slim reinforcement profile (30 mm)</i>
 PAG. 5.18	K1460	Copertina (30 mm) <i>Cover (30 mm)</i>
 PAG. 5.19	K1478	Gocciolatoio soglia ribassata <i>Weather bar for balcony-door threshold</i>

SEZIONE SECTION	CODICE CODE	DESCRIZIONE DESCRIPTION
 PAG. 5.20	▲ K1481	Portapannello sagomato <i>Profile for support panel</i>
 PAG. 5.20	K1491	Coprifilo (25 mm) <i>Cover 25 mm</i>
 PAG. 5.20	K1493	Coprifilo 45 mm <i>Cover 45 mm</i>
 PAG. 5.16	K1498	Pressore chiusura compensatori <i>Pressure plate telescopic frame</i>

Section 3

Accessori

Accessory index

FINITURE / FINISHINGS

FERRAMENTA / HARDWARE		
- S1	Argento	<i>Silver</i>
- B1	Nero (AluK 9005)	<i>Black (AluK 9005)</i>
- W1	Bianco (AluK 9010)	<i>White (AluK 9010)</i>
- I1	Avorio (AluK 1013)	<i>Ivory (AluK 1013)</i>
- L1	Acciaio satinato opaco	<i>Matt iron</i>
- L2	Acciaio liscio lucido	<i>Glossy iron</i>
- L3	Rame satinato	<i>Matt copper</i>
- L4	Ferro	<i>Iron</i>
- L5	Nichel satinato	<i>Matt nickel</i>
- L6	Cromo nero	<i>Black chrome</i>
- R2	Oro	<i>Gold</i>
- T3	Titanio Opaco	<i>Matt titanium</i>
- T4	Titanio Lucido	<i>Glossy titanium</i>
#	Verniciato a richiesta	<i>Painted on request</i>

1	Argento	<i>Silver</i>
4	RAL 8022	<i>RAL 8022</i>
5	Nero (AluK 9005)	<i>Black (AluK 9005)</i>
8	Bianco (AluK 9010)	<i>White (AluK 9010)</i>

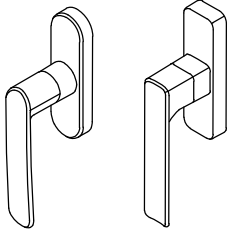
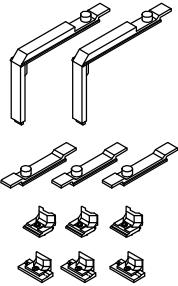
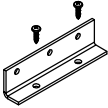
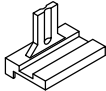
COMPONENTI PLASTICI / PLASTIC COMPONENTS		
- B	Nero	<i>Black</i>
- W	Bianco	<i>White</i>

GESTIONE / MANAGEMENT

✓	Disponibile <i>Available</i>
R	A richiesta, verificare lotto minimo e tempistiche <i>On request, check delivery times and minimum order</i>
●	Articolo in esaurimento <i>Until stock is finished</i>
X	Non disponibile <i>Not available</i>

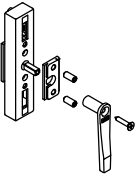
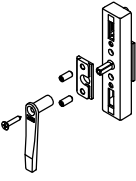
ACCESSORI DI CHIUSURA

▲ Articolo in esaurimento - Until stock is finished

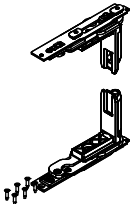
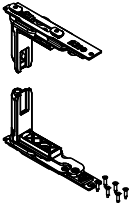
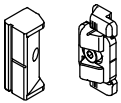
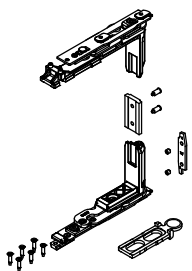
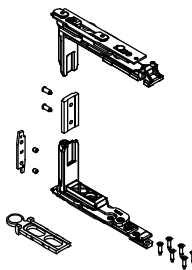
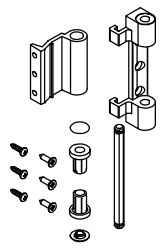
IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
		Vedi catalogo maniglie. <i>See handle catalogue.</i>	●	●	●	●	●	●
	H20501	Chiusura per bilico (Con frizioni 71912X÷71914X) <i>Pivoting window locking device (with 71912X÷71914X pivot)</i> U.V. 1	●					
	H43502	Kit attacco cremonese <i>Handle fixing kit</i> U.V. 10	●	●	●		●	●
	H43518	Kit rinforzo cerniera sporgere <i>Kit reinforcement plate for projecting windows hinge</i> U.V. 4	●					
	H47800	Forcella per sporgere <i>Fork for project window</i> U.V. 5	●					
	▲ H47911	Adattatore per asta K1450 <i>Gearbox connector for K1450</i> U.V. 1	●	●	●	●	●	●

➤ ACCESSORI DI CHIUSURA

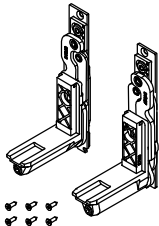
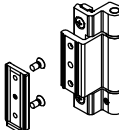
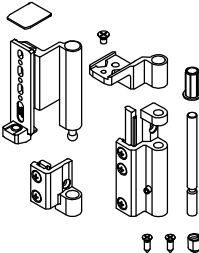
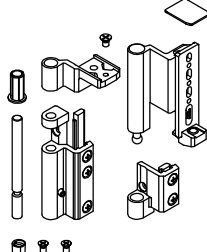
▲ Articolo in esaurimento - Until stock is finished

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	▲ H48111	Cremonese incassata <i>Built in mechanism</i> Solo per maniglie senza base <i>Only for handles without base</i> U.V. 1	●	●	●	●	●	●
	H48115	Meccanismo di chiusura stulp Sx (vista interna) aK⁺ <i>Stulp gearbox Lh</i> (internal view) ANTA SEMIFISSA SEMIFIXED WING  U.V. 1	●	●				
	H48116	Meccanismo di chiusura stulp Dx (vista interna) aK⁺ <i>Stulp gearbox Rh</i> (internal view) ANTA SEMIFISSA SEMIFIXED WING  U.V. 1	●	●				
	H48119	Cremonese incassata 22/43 mm <i>Gearbox 22/43 mm</i> U.V. 1	●	●	●	●	●	●

» ACCESSORI DI CHIUSURA

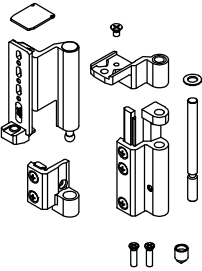
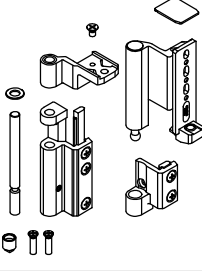
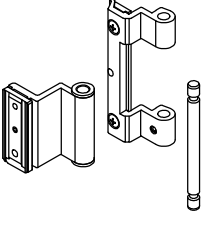
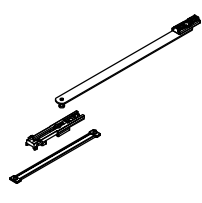
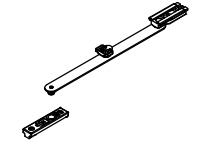
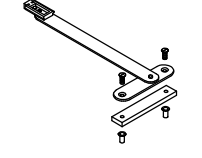
IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	H48302	Kit cerniere nascoste Dx C180 Portata/load 100 kg Kit hinge C180 Rh U.V. 1	●	●	●	●	●	●
	H48303	Kit cerniere nascoste Sx C180 Portata/load 100 kg Kit hinge C180 Lh U.V. 1	●	●	●	●	●	●
	H48304	Kit falsa cerniera - cerniere visibili Additional false hinge - clamping hinges U.V. 1	●	●	●		●	●
	H48321	Kit cerniere nascoste Dx ak C180 Portata/load 150 kg Kit hinge ak C180 - 150kg Rh U.V. 1	●	●	●	●	●	●
	H48322	Kit cerniere nascoste Sx ak C180 Portata/load 150 kg Kit hinge ak C180 - 150kg Lh U.V. 1	●	●	●	●	●	●
	H48323	Cerniera per sporgere Hinge for projecting window U.V. 1 SI ☒ BI ☒ WI ☒ # R	●					

➤ ACCESSORI DI CHIUSURA

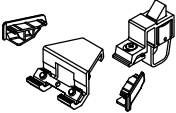
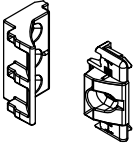
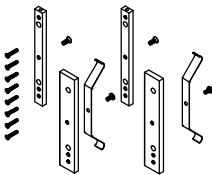
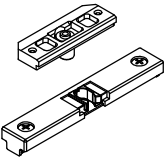
IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	H48324	Kit cerniere a scomparsa per vasistas C180 Portata/load 100 kg <i>Kit vasistas concealed hinge C180</i> U.V. 1	●	●	●	●	●	●
	H48339-	Cerniera due ali Portata/load 80 kg <i>Two leafs hinge</i> U.V. 10 SI ☒ BI ☒ WI ☒ # R	●	●	●		●	●
	H48340-	Cerniera a pettine Portata/load 100 kg <i>Three leafs hinge</i> U.V. 4 SI ☒ BI ☒ WI ☒ R2 R T3 R T4 R # R	●	●	●		●	●
	H48341-	Kit cerniere anta/ribalta - Dx Portata/load 130 kg <i>T&T hinge - Rh</i> U.V. 1 SI ☒ BI ☒ WI ☒ R2 R T3 R T4 R # R	●	●	●		●	●
	H48342-	Kit cerniere anta/ribalta - Sx Portata/load 130 kg <i>T&T hinge - Lh</i> U.V. 1 SI ☒ BI ☒ WI ☒ R2 R T3 R T4 R # R	●	●	●		●	●

➤ ACCESSORI DI CHIUSURA

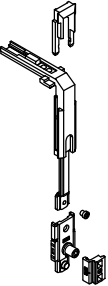
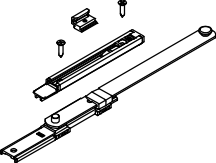
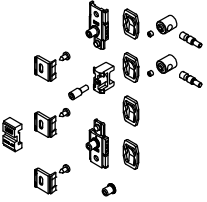
⊛ Disponibilità futura
Future availability

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	H48345- ⊛	Kit cerniere anta/ribalta HD - Dx Portata/load 180 kg <i>T&T hinge HD - Rh</i> U.V. 1 S1 ☒ BI ☒ WI ☒ # R	●	●				
	H48346- ⊛	Kit cerniere anta/ribalta HD - Sx Portata/load 180 kg <i>T&T hinge HD - Lh</i> U.V. 1 S1 ☒ BI ☒ WI ☒ # R	●	●				
	H48348-	Cerniera a pettine terza anta <i>Three leafs 3rd sash hinge</i> U.V. 2 S1 ☒ BI ☒ WI ☒ R2 R T3 R T4 R # R	●	●	●		●	●
	H48457	Braccetto vasistas <i>Vasistas arm</i> U.V. 1	●	●	●	●	●	●
	H48458	Braccetto limitatore <i>Limiter arm</i> U.V. 1	●	●	●	●	●	●
	H48459	Braccetto di arresto per bilico <i>Pivoting window safety fastening</i> U.V. 1	●					

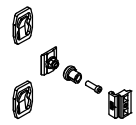
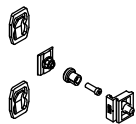
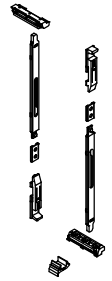
➤ ACCESSORI DI CHIUSURA

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	H48519-	Cricchetto per vasistas <i>Finger catch</i> U.V. 1 SI ☒ BI ☒ WI ☒ # R	●	●	●		●	●
	H48532	Kit falsa cerniera (C180) <i>Additional false hinge (C180)</i> U.V. 1	●	●	●	●	●	●
	H48538	Kit contropiastre frizione bilico <i>Kit pivoting window pivot counterplate</i> U.V. 1	●					
	H48539	Kit chiusura secondaria a scrocco <i>Secondary latch locking kit</i> U.V. 1	●	●	●	●	●	●

» ACCESSORI DI CHIUSURA

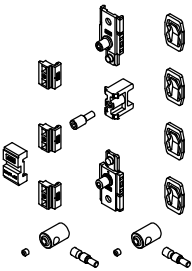
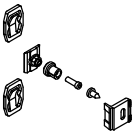
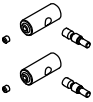
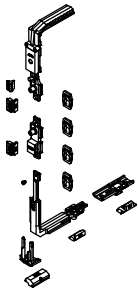
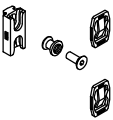
IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	H48544	Kit incontri A/R due ante <i>T&T two sashes strikers kit</i> U.V. 5	●	●	●	●	●	●
	H48545	Kit incontri finestra due ante <i>Two sashes window strikers kit</i> U.V. 30	●	●	●	●	●	●
	H48610	Rinvio supplementare con chiusura <i>Second corner drive with lock</i> U.V. 1	●	●	●	●	●	●
	H48613	Punto di chiusura M/F 80 mm <i>Locking point M/F 80 mm</i> U.V. 1	●	●	●	●	●	●
	H48614	Braccetto supplementare <i>Additional arm</i> U.V. 1	●	●	●	●	●	●
	H48616	Kit base sporgere <i>Base kit projecting window</i> U.V. 2	●					

➤ ACCESSORI DI CHIUSURA

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	H48617	aK⁺ Kit aggiuntivo sporgere <i>Projecting window additional kit</i> U.V. 1	●					
	H48619	aK⁺ Connettore asta M/M <i>Rod connector M/M</i> U.V. 10	●	●	●	●	●	●
	H48620	aK⁺ Punto di chiusura asta <i>Rod locking point</i> U.V. 10	●	●	●	●	●	●
	H48621	aK⁺ Punto di chiusura asta, cava 14x18 <i>Rod locking point, 14x18 groove</i> U.V. 10	●	●	●	●	●	●
	H48622	aK⁺ Kit catenacci seconda anta <i>Finger bolt second sash kit</i> U.V. 1	●	●	●	●	●	●

➤ ACCESSORI DI CHIUSURA

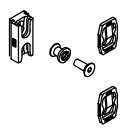
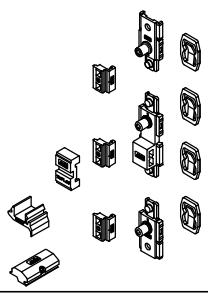
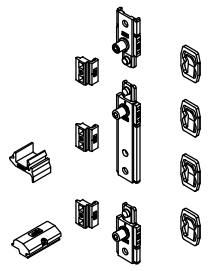
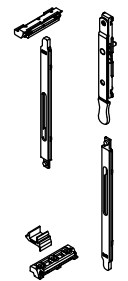
▲ Articolo in esaurimento - *Until stock is finished*

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	H48624	Kit base sporgere NI NI Base kit projecting window U.V. 2					●	
	▲ H48626	Connettore per cremon. incassata per asta N48900 N48900 gearbox connector U.V. 2	●	●	●	●	●	●
	H48627	Punto di chiusura sporgere su asta Projecting windows rod locking point U.V. 1	●					
	H48628	Kit fissaggio sporgere maggiorato NI NI Fitting kit increased projecting window U.V. 1					●	
	H48779	Kit base A/R and R/A T&T and TBT kit U.V. 1	●	●	●	●	●	●
	H48781	Chiusura di sicurezza asta RC2 Security locking point for rod U.V. 1	●	●				

➤ ACCESSORI DI CHIUSURA

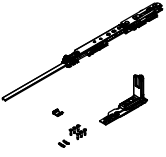
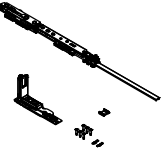
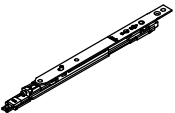
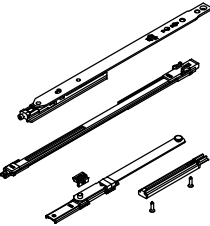


Disponibile su richiesta
Available on request

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	H48790	aK⁺ Chiusura di sicurezza, cava 14x18 RC2 <i>Security locking point, 14x18 groove</i> U.V. 1	●	●				
	H48819	aK⁺ Kit base anta <i>Turn only base kit</i> U.V. 1	●	●	●	●	●	●
	H48820	aK⁺ Kit aggiuntivo anta <i>Turn only additional kit</i> U.V. 1	●	●	●	●	●	●
	H48821	aK⁺ Kit anta per cremonese incassata <i>Turn only base kit for gearbox</i> U.V. 1	●	●	●	●	●	●
	H48822	aK⁺ Kit seconda anta <i>Second sash kit</i> U.V. 1	●	●	●	●	●	●

» ACCESSORI DI CHIUSURA

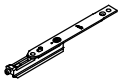
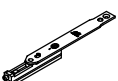
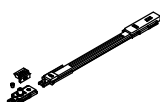
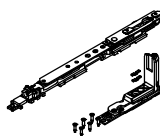
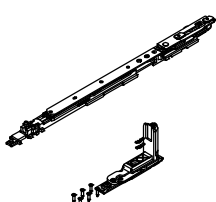
⊛ Disponibilità futura
Future availability

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	H48907	Kit C180 100 kg DX - LB 430÷479 T&T C180 100 kg RH - SRW 430÷479 U.V. 1	⬤	⬤	⬤	⬤	⬤	⬤
	H48915	Kit C180 100 kg SX - LB 430÷479 T&T C180 100 kg LH - SRW 430÷479 U.V. 1	⬤	⬤	⬤	⬤	⬤	⬤
	H48925	Braccio anta/ribalta - LB 430÷519 T&T arm - SRW 430÷519 U.V. 1	⬤	⬤	⬤		⬤	⬤
	H48926	Braccio anta/ribalta - LB 520÷619 T&T arm - SRW 520÷619 U.V. 1	⬤	⬤	⬤		⬤	⬤
	H48927	Braccio anta/ribalta - LB 620÷1059 T&T arm - SRW 620÷1059 U.V. 1	⬤	⬤	⬤		⬤	⬤
	H48929 ⊛	Braccio anta/ribalta - LB 860÷1560 HD T&T arm - SRW 860÷1560 U.V. 1	⬤	⬤	⬤			

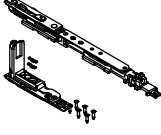
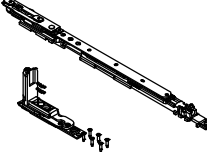
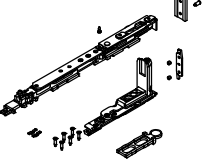
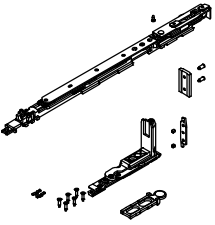
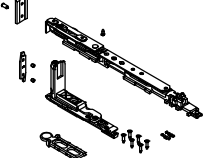
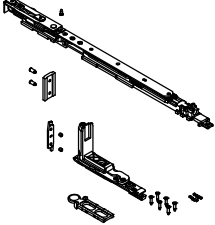
ACCESSORI DI CHIUSURA
HARDWARE INDEX

➤ ACCESSORI DI CHIUSURA

⊛ Disponibilità futura
Future availability

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	H48930	Braccio anta - LB 300÷1560 <i>Turn only arm - LB 300÷1560</i> U.V. 1	●	●	●		●	●
	H48931 ⊛	Braccio anta - LB 300÷1560 HD <i>Turn only arm - LB 300÷1560</i> U.V. 1	●	●				
	H48932	Asta braccio anta aK⁺ & HD <i>Turn only arm rod</i> U.V. 1	●	●	●		●	●
	H48938	Kit C180 100 kg DX - LB 480÷609 <i>T&T C180 100 kg RH - SRW 480÷609</i> U.V. 1	●	●	●	●	●	●
	H48939	Kit C180 100 kg DX - LB 610÷1059 <i>T&T C180 100 kg RH - SRW 610÷1059</i> U.V. 1	●	●	●	●	●	●

➤ ACCESSORI DI CHIUSURA

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	H48940	Kit C180 100 kg SX - LB 480÷609 T&T C180 100 kg LH - SRW 480÷609 U.V. 1	●	●	●	●	●	●
	H48941	Kit C180 100 kg SX - LB 610÷1059 T&T C180 100 kg LH - SRW 610÷1059 U.V. 1	●	●	●	●	●	●
	H48942	Kit C180 150 kg DX - LB 480÷609 T&T C180 150 kg RH - SRW 480÷609 U.V. 1	●	●	●	●	●	●
	H48943	Kit C180 150 kg DX - LB 610÷1059 T&T C180 150 kg RH - SRW 610÷1059 U.V. 1	●	●	●	●	●	●
	H48944	Kit C180 150 kg SX - LB 480÷609 T&T C180 150 kg LH - SRW 480÷609 U.V. 1	●	●	●	●	●	●
	H48945	Kit C180 150 kg SX - LB 610÷1059 T&T C180 150 kg LH - SRW 610÷1059 U.V. 1	●	●	●	●	●	●

➤ ACCESSORI DI CHIUSURA

⊛ Disponibilità futura
Future availability

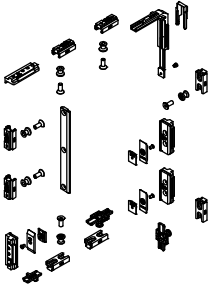
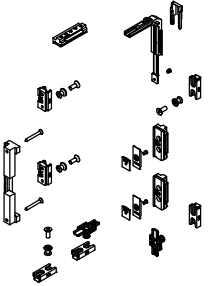
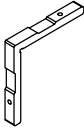
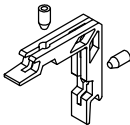
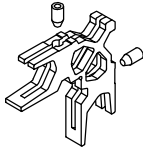
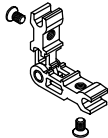
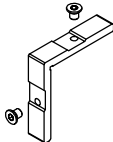
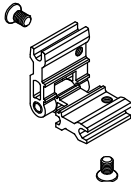
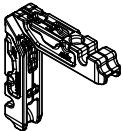
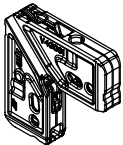
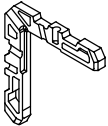
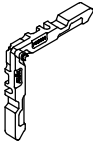
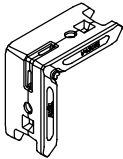
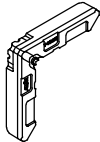
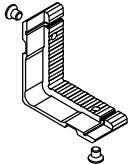
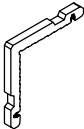
IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	H48948	aK⁺ Spessore cremonese incassata 9 mm <i>Gearbox spacer</i> U.V. 1	●	●	●	●	●	●
	H48954 ⊛	aK⁺ Kit aggiuntivo RC2 <i>Additional kit</i> U.V. 1	●	●				
	H48955 ⊛	aK⁺ Kit seconda anta RC2 <i>Second sash kit</i> U.V. 1	●	●				

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V41008	Squadretta esterna stipite (tubolare 15x6.6) <i>Fixed frame external corner joint (tubular 15x6.6)</i> U.V. 20				●		
	V41010 ⊛	Squadretta interna stipite HD <i>Internal corner joint</i> U.V. 10	●	●				
	V41011 ⊛	Squadretta interna stipite maggiorato HD <i>Internal corner joint for increased frames</i> U.V. 10	●	●				
	V42014	Squadretta ad angolo variabile per stipiti <i>Fixed frame corner joint with variable angle</i> U.V. 10	●	●				
	V42049	Squadretta interna stipite (tubolare 15x6.6) <i>Fixed frame internal corner joint (tubular 15x6.6)</i> U.V. 20				●		
	V42067 ⊛	Squadretta ad angolo variabile per stipiti <i>Fixed frame corner joint with variable angle</i> U.V. 10					●	●

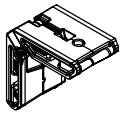
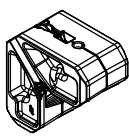
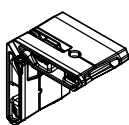
➤ ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V43000	Squadretta stipite (tubolare 14.6 mm) <i>Fixed frame corner joint (tubular 14.6 mm)</i> U.V. 100	●	●	●			
	V43001	Squadretta stipite maggiorato (tubolare 32.4 mm) <i>Fixed frame corner joint (tubular 32.4 mm)</i> U.V. 100	●	●				
	V43011	Squadretta 10.1x7.5 per spina Ø3 <i>Corner cleat 10.1x7.5 for pin Ø3</i> SOLO SPINATURA (forare manualmente) <i>RIVETING ONLY (drill manually).</i> U.V. 50				●		

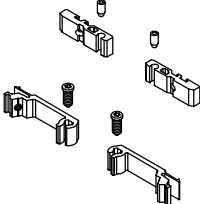
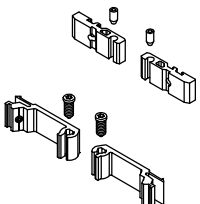
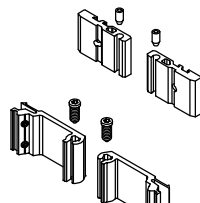
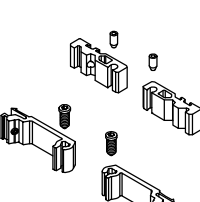
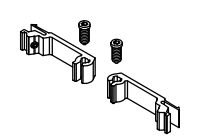
» ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V43013	Squadretta interna stipite (tubolare 9.6 mm) <i>Fixed frame corner joint (tubular 9.6 mm)</i> U.V. 20			●			
	V43014	Squadretta esterna stipite (tubolare 8.2 mm) <i>Fixed frame corner joint (tubular 8.2 mm)</i> SPINABILE (con T00056) E CIANFRINABILE. CAN BE RIVETED (by T00056) AND CALKED. U.V. 20			●			
	V43015	Squadretta interna battente (tubolare 10.4 mm) <i>Wing corner joint (tubular 10.4 mm)</i> U.V. 20			●			
	V43016	Squadretta esterna battente (tubolare 10.6 mm) <i>Wing corner joint (tubular 10.6 mm)</i> U.V. 20			●			
	V43019	Squadretta interna battente (tubolare 6.5x9) <i>Sash internal corner joint (tubular 6.5x9)</i> U.V. 20				●		
	V43020	Squadretta esterna battente (tubolare 6.5x9) <i>Sash external corner joint (tubular 6.5x9)</i> U.V. 20				●		

➤ ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V43038	Squadretta stipite Tubolare 42x14.6 mm <i>Frame corner cleat</i> U.V. 100					●	●
	V43039	Squadretta stipite Tubolare 42x32.5 mm <i>Frame corner cleat</i> U.V. 20					●	●
	V43040	Squadretta battente Tubolare 46.5x14.6 mm <i>Sash corner cleat</i> U.V. 100					●	●
	V46027	Squadretta di allineamento stipite <i>Fixed frame alignment corner joint</i> U.V. 50			●	●		

➤ ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V47000	Coppia cavallotti stipite (tubolare = 14.6 mm) Carico complessivo sul traverso pari a 80 kg <i>Couple of Fixed Frame T-Joint (tubular = 14.6 mm) Maximum transom load up to 80 kg</i> U.V. 10	●	●				
	V47001	Coppia cavallotti traverso stipite (tubolare = 19 mm) Carico complessivo sul traverso pari a 80 kg <i>Couple of Fixed Frame Transom T-Joint (tubular = 19 mm) Maximum transom load up to 80 kg</i> U.V. 10	●	●		●		
	V47002	Coppia cavallotti traverso stipite maggiorato (tubolare = 32.4 mm) Carico complessivo sul traverso pari a 120 kg <i>Couple of Fixed Frame transom T-Joint (tubular = 32.4 mm) Maximum transom load up to 120 kg</i> U.V. 10	●	●				
	V47003	Coppia cavallotti traverso battente (tubolare = 16.6 mm) Carico complessivo sul traverso pari a 80 kg <i>Couple of Sash Transom T-Joint (tubular = 16.6 mm) Maximum transom load up to 80 kg</i> U.V. 10	●	●				
	V47005	Coppia cavallotti interni stipite (tubolare = 14.6 mm) Carico complessivo sul traverso pari a 80 kg <i>Couple of Fixed Frame internal T-Joint (tubular = 14.6 mm) Maximum transom load up to 80 kg</i> U.V. 10	●	●				

➤ ACCESSORI

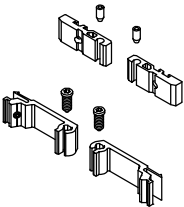
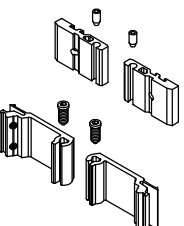
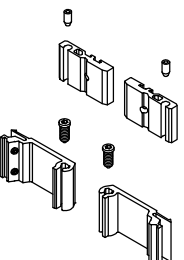
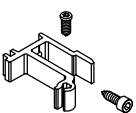
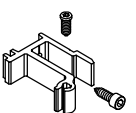
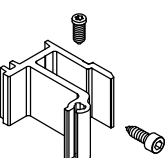
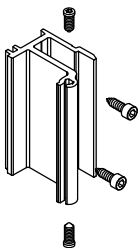
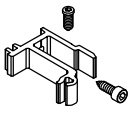
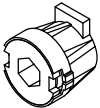
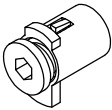
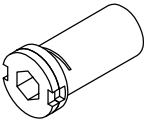
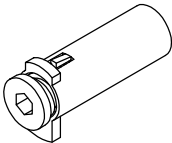
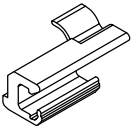
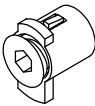
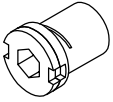
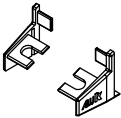
IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V47006	Coppia cavallotti traverso battente stipite (tubolare = 19 mm) Carico complessivo sul traverso pari a 80 kg <i>Couple of Transom T-Joint (tubular = 19 mm) Maximum transom load up to 80 kg</i> U.V. 10	●	●				
	V47007	Coppia cavallotti traverso battente maggiorato stipite (tubolare = 32.4 mm) Carico complessivo sul traverso pari a 120 kg <i>Couple of Transom T-Joint (tubular = 32.4 mm) Maximum transom load up to 120 kg</i> U.V. 10	●	●				
	V47034	Coppia cavallotti traverso stipite maggiorato (tubolare = 32.4 mm) Carico complessivo sul traverso pari a 120 kg <i>Couple of Fixed Frame transom T-Joint (tubular = 32.4 mm) Maximum transom load up to 120 kg</i> U.V. 10			●			
	V47063	Cavallotti Tubolare = 16.4 mm <i>Transom T-Joint</i> U.V. 20					●	●
	V47064	Cavallotti Tubolare = 18.6 mm <i>Transom T-Joint</i> U.V. 20					●	●
	V47065	Cavallotti Tubolare = 32.4 mm <i>Transom T-Joint</i> U.V. 20					●	●

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V47066 ⊛	Cavallotti Tubolare = 96 mm <i>Transom T-Joint</i> U.V. 2						●
	V47067 ⊛	Cavallotti Tubolare = 14.6 mm <i>Transom T-Joint</i> U.V. 20					●	●

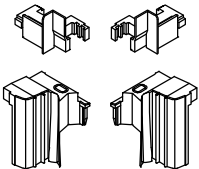
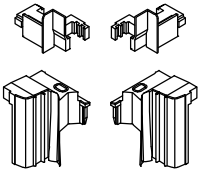
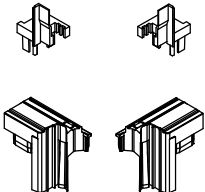
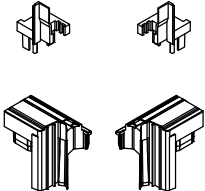
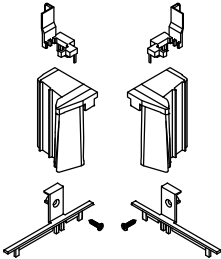
➤ ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V50002	Regolatore interno stipite <i>Internal adjusting block for fixed frame</i> U.V. 100	●	●	●			
	V50003	Regolatore esterno stipite <i>External adjusting block for fixed frame</i> U.V. 100	●	●	●		●	●
	V50004	Regolatore interno stipite maggiorato <i>Internal adjusting block for increase fixed frame</i> U.V. 100	●	●				
	V50006	Regolatore per stipite maggiorato <i>Adjusting block for increased fixed frame</i> U.V. 100						●
	V50017	Molletta per fermavetri <i>Clip for glazing bead section</i> POM Bianco White U.V. 50	●	●	●		●	●
	V50025	Regolatore esterno - stipite h 23mm <i>External adjusting block - h 23mm fixed frame</i> U.V. 100			●			

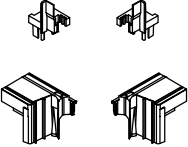
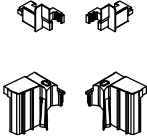
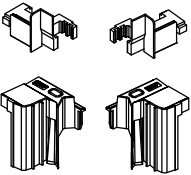
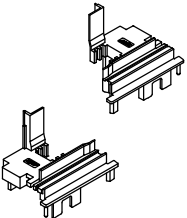
» ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V50026	Regolatore interno - stipite h 23mm <i>Internal adjusting block - h 23mm fixed frame</i> U.V. 100			●			
	V50030	Molletta per coprifilo (Montare 1clip ogni 300mm) <i>Clip for internal cover profile (Insert 1clip each 300mm)</i> Nero Black U.V. 50	●	●	●		●	●
	V51007P	Mascherina scarico acqua con valvola <i>Water Drain Cap with valve</i> Nero Black U.V. 50	●	●		●	●	●
	V51023 - B	Kit tappi gocciolatoio <i>Couple of drip plugs</i> U.V. 10			●			

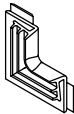
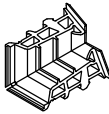
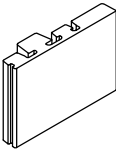
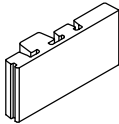
➤ ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V52000	Tappi due ante T-Z per profilo U20501 <i>Two sash T-Z plugs for U20501 section</i> PA6 EPDM Nero Black U.V. 1	●					
	V52001	Tappi due ante T-Z per profilo U20501 <i>Two sash T-Z plugs for U20501 section</i> PA6 EPDM Bianco White U.V. 1	●					
	V52002	Tappi due ante per profilo U20502 <i>Two sash plugs for U20502 section</i> PA6 EPDM Nero Black U.V. 1	●					
	V52003	Tappi due ante per profilo U20502 <i>Two sash plugs for U20502 section</i> PA6 EPDM Bianco White U.V. 1	●					
	V52034 - B - W	Kit tappi due ante <i>Two sashes plugs kit</i> U.V. 1			●			

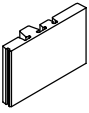
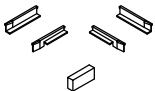
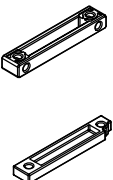
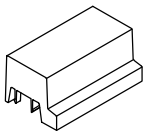
» ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	- B	Tappi due ante per profilo stulp U28502						
	V52043 - W	Two sash plugs for U28502 section		●				
		U.V. 1						
	- B	Tappi due ante T-Z per profilo U28501						
	V52044 - W	Two sash T-Z plugs for U28501 section		●				
		U.V. 1						
	- B	Tappi due ante T-Z						
	V52077 - W	Two sash T-Z plugs				●		
		U.V. 1						
	- B	Tappi due ante per profilo stulp N31500						
	V52102	Two sash plugs for N31500 section					●	
		U.V. 1						

➤ ACCESSORI

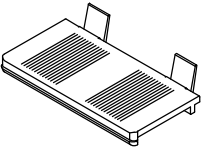
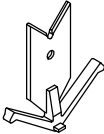
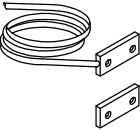
IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V54000	Angolo vulcanizzato per giunto aperto V02001 <i>Vulcanized corner for V02001 central gasket</i> EPDM Nero Black U.V. 20	●			●		
	V54005 - B	Angolo vulcanizzato per guarnizione 800050 <i>Vulcanized corner for 800050 gasket</i> Nero Black U.V. 20			●			
	V54007	Angolo vulcanizzato per giunto aperto V02012 <i>Vulcanized corner for V02012 central gasket</i> U.V. 20		●	●			
	V54013	Angolo paraspigolo per V03000 <i>Corner protector for gasket V03000</i> EPDM U.V. 20	●	●	●	●	●	●
	V55026	Fondo di giunto per connessione trasverso H36 <i>Sealant gasket for T connection H36</i> SP.MICRO Nero Black U.V. 20	●					
	V55028	Fondo di giunto per connessione trasverso H22 <i>Sealant gasket for t connection H22</i> SP.MICRO Nero Black U.V. 20	●			●		

» ACCESSORI

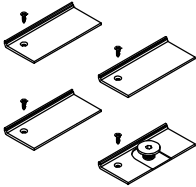
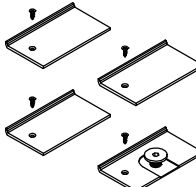
IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V55064	Fondo di giunto per connessione traverso H36 <i>Sealant gasket for t connection H36</i> U.V. 20		●	●			
	V55077	Fondo di giunto per connessione traverso H22 <i>Sealant gasket for T connection H22</i> SP Micro Nero Black U.V. 20		●	●			
	V55093 - B	Kit elementi di tenuta frizioni bilico verticale <i>Sealing elements kit for vertical pivoting window</i> U.V. 1	●					
	V59076	Kit spessori sensore allarme <i>Alarm sensor shims kit</i> U.V. 1	●	●	●	●	●	●
	V59103	Tassello vetro per specchiature fisse <i>Glass cleat for fixed frame</i> U.V. 20			●			

ACCESSORI
HARDWARE

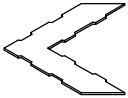
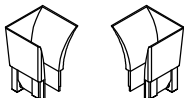
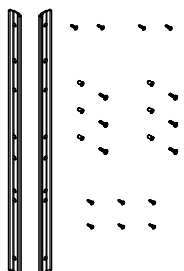
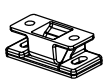
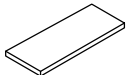
➤ ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V59106 - B	Tassello vetro per stipite <i>Fixed frame glass cleat</i> U.V. 50		●	●			
	V59121 - B	Coprigiunti per connessione stipite <i>Joint cover for frame connection</i> U.V. 10			●			
	V69012	Sensore allarme <i>Alarm system</i> U.V. 1	●	●	●	●	●	●

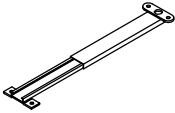
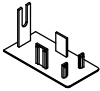
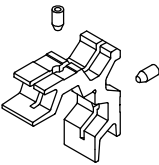
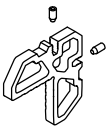
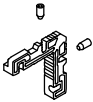
» ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V70130	Vite Ø6 per squadrette <i>Ø6 Screw for corner joint</i> U.V. 100			•			
	V72074	Spina Ø6 per squadrette <i>Ø6 Pin for corner joint</i> U.V. 100			•			
	V72080	Spina Ø3 L=7.5mm per squadretta stipite <i>Ø3 Pin L=7.5mm for frame corner joint</i> U.V. 100			•	•		
	V72082	Spina Ø3 L=9.5mm per squadretta battente <i>Ø3 Pin L=9.5mm for wing corner joint</i> U.V. 100			•			
	V78002	Kit supporto regolatore per vetri da 32÷40mm <i>Glass support kit for glass 32÷40mm thick</i> U.V. 1			•			
	V78003	Kit supporto regolatore per vetri da 42÷52mm <i>Glass support kit for glass 42÷52mm thick</i> U.V. 1			•			

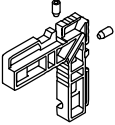
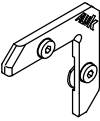
➤ ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	700151	Squadretta di allineamento Alignment corner joint U.V. 10	●	●	●			
	700386	Coppia tappi terminali per guida tapparella End plug for rolling shutter guide PA6 Nero Black U.V. 10	●	●			●	●
	704157	Spessori fissaggio compassi sporgere Thickness for fixing side arm on projecting window U.V. 1	●					
	704167	Rostrì Pull-in blocks U.V. 10	●					
	704180	Tassello vetro 24x3 Glass cleat						
	704181	Tassello vetro 28x3 Glass cleat						
	704182	Tassello vetro 32x3 Glass cleat	●	●	●		●	●
	704183	Tassello vetro 36x3 Glass cleat						
	704184	Tassello vetro 40x3 Glass cleat U.V. 100						

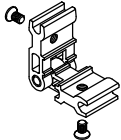
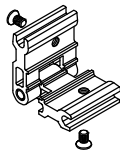
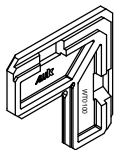
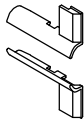
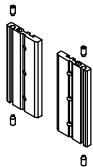
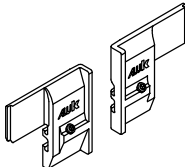
» ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	704223	Braccio limitatore a scatto (L=305) Limiter arm (L=305) U.V. 1	●					
	709616	Tappi copriforo Ø10.5 Ø10.5 Hole plug EPDM NERO BLACK U.V. 100					●	●
	709617	Tappi copriforo Ø10.5 Ø10.5 Hole plug EPDM BIANCO WHITE U.V. 100					●	●
	709240	Tappo di finitura colonnina ridotta K1459 Slim reinforcement finishing plug PA6 Nero/Black - U.V. 20	●	●			●	●
	710004	Squadretta battente (per soluzioni HD/ for HD solutions) Wing corner joint U.V. 10	●	●				
	710022	Squadretta esterna (tubolarità 29.8 mm) External corner joint (tubular 29.8 mm) U.V. 10	●	●				
	710023	Squadretta esterna battente (tubolarità 16.4 mm) Wing external corner joint (tubular 16.4 mm) U.V. 10	●	●				

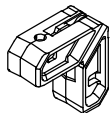
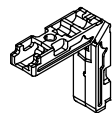
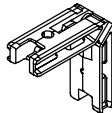
➤ ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	710024	Squadretta esterna battente maggiorato (tubolarità 24.4 mm) Oversized wing external corner joint (tubular 24.4 mm) U.V. 10	●	●				
	710041	Squadretta di allineamento interna battente Wing internal alignment corner joint PA6 Nero/Black - U.V. 10	●	●	●	●	●	●
	710055	Squadretta di allineamento battente Wing alignment corner joint U.V. 20	●	●				
	710103	Squadretta esterna stipite <i>Fixed frame corner joint</i> _____ SOLO A CIANFRINARE CRIMPING ONLY U.V. 10			●			

» ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	710121	Squadretta ad angolo variabile per battenti <i>Wing corner joint with variable angle</i> U.V. 10	●	●				
	710123	Squadretta ad angolo variabile per battenti <i>Wing corner joint with variable angle</i> U.V. 10					●	●
	710180	Squadretta di allineamento imbotti <i>Intrados alignment corner joint</i> PA6 Nero/Black - U.V. 20	●	●			●	●
	710205	Coprigiunti per connessione traverso-stipite <i>Joint cover for transom connection</i> PA6 Nero/Black - U.V. 20	●	●				
	710219	Coppia cavallotti esterni zoccolo e fascia da abbinare con V47005 <i>Bottomrail and midrail t-joint couple to use with of V47005</i> U.V. 10	●	●				
	710230	Coppia cavallotti di allineamento <i>Couple of fixed frame T-joint</i> U.V. 10			●			

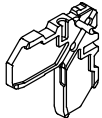
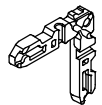
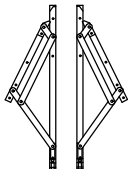
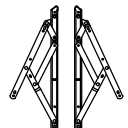
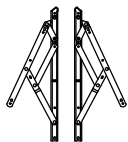
➤ ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	710400	Vite per squadrette Screw for corner joint U.V. 100	●	●	●		●	●
	710401	Spina per squadrette Pin for corner joint U.V. 100	●	●	●		●	●
	710404	Squadretta battente maggiorato (tubolare 24.4 mm) Oversized wing corner joint (tubular 24.4 mm) U.V. 50	●	●				
	710407	Squadretta stipite (tubolare 14.6 mm) Frame corner joint (tubular 14.6 mm) U.V. 100	●	●			●	●
	710408	Squadretta battente (tubolare 14.6 mm) Wing corner joint (tubular 14.6 mm) U.V. 100	●	●			●	

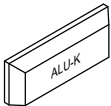
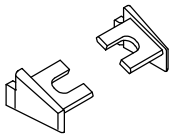
» ACCESSORI



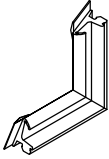
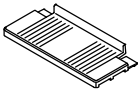
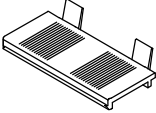
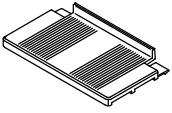
Disponibile su richiesta
Available on request

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	710409	Spina Ø5 per squadrette esterne Rivet Ø5 for external corner joint U.V. 400	●	●				
	710410	Squadretta esterna stipite maggiorato (tubolare 29.8 mm) Oversized fixed frame external corner joint (tubular 29.8 mm) U.V. 100	●	●				
	710411	Squadretta esterna stipite (tubolare 13.8 mm) Fixed frame external corner joint (tubular 13.8 mm) U.V. 100	●	●				
	711080	Compassi per aperture a sporgere, Peso max battente 100 kg Altezza battente 1090 - 1500 mm Side arm for projecting windows Max wing weight 100 kg Wing height 1090 - 1500 mm U.V. 1	●					
	711081	Compassi per aperture a sporgere, Peso max battente 55 kg Altezza battente 790 - 1090 mm Side arm for projecting windows Max wing weight 55 kg Wing height 790 - 1090 mm U.V. 1	●					
	711082	Compassi per aperture a sporgere, Peso max battente 90 kg Altezza battente 1300 - 1800 mm Side arm for projecting windows Max wing weight 90 kg Wing height 1300 - 1800 mm U.V. 1	●					

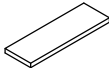
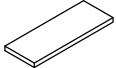
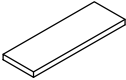
➤ ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	712005	Mascherina scarico acqua Water Drain Cap with valve Nero Black U.V. 50	●	●	●	●	●	●
	712006	Mascherina scarico acqua Water Drain Cap with valve Bianco White U.V. 50	●	●	●	●	●	●
	712007	Mascherina scarico acqua con valvola Water Drain Cap with valve Nero Black U.V. 20	●	●	●	●	●	●
	712008	Mascherina scarico acqua con valvola Water Drain Cap with valve Bianco White U.V. 20	●	●	●	●	●	●
	712010	Coppia tappi laterali gocciolatoio (per gocciolatoi rifilati a 90°) Couple of drip plugs (90° cutted drip sections) PA6 Nero Black U.V. 20	●	●		●	●	●
	712012	Clips esterne per coprifili K1491 e K1493 External clip for K1491 and K1493 PA6 Nero Black U.V. 50	●	●				

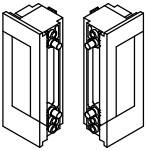
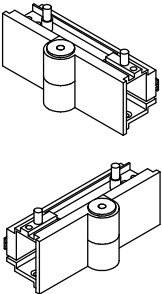
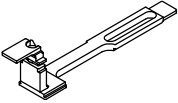
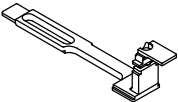
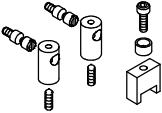
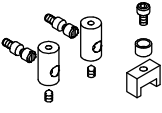
» ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	712060	Ritegno per fermavetri tubolari per finiture anodizzate <i>Tubular glazing bead shim for anodized finish</i> EPDM Nero Black U.V. 200	●	●	●	●	●	●
	712061	Ritegno per fermavetri tubolari per finiture verniciate <i>Tubular glazing bead shim for painted finish</i> EPDM Grigio Grey U.V. 200	●	●	●	●	●	●
	712150	Angolo vulcanizzato per giunto aperto 809455 <i>Vulcanized corner for 809455 central gasket</i> EPDM Nero Black U.V. 20	●			●	●	●
	712317	Tassello vetro per aggiuntivo anta stondata <i>Glass cleat for rounded sash additional transom</i> Nero Black U.V. 50	●					
	712318	Tassello vetro per stipite <i>Fixed frame glass cleat</i> Nero Black U.V. 50	●					
	712319	Tassello vetro per anta <i>Sash glass cleat</i> Nero Black U.V. 50	●	●				

ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	V59146	Tassello vetro 26x1 Glass cleat Bianco White U.V. 50	●	●	●	●	●	●
	712320	Tassello vetro 26x2 Glass cleat Celeste Light Blue U.V. 50	●	●	●	●	●	●
	712321	Tassello vetro 26x3 Glass cleat Rosa Pink U.V. 50	●	●	●	●	●	●
	712322	Tassello vetro 26x4 Glass cleat Giallo Yellow U.V. 50	●	●	●		●	●
	712323	Tassello vetro 26x5 Glass cleat Verde Green U.V. 50	●	●	●		●	●
	712324	Tassello vetro 26x6 Glass cleat Nero Black U.V. 50	●	●	●		●	●
	V59147	Tassello vetro 30x1 Glass cleat Bianco White U.V. 50	●	●	●	●	●	●
	712330	Tassello vetro 30x2 Glass cleat Celeste Light Blue U.V. 50	●	●	●	●	●	●
	712331	Tassello vetro 30x3 Glass cleat Rosa Pink U.V. 50	●	●	●	●	●	●
	712332	Tassello vetro 30x4 Glass cleat Giallo Yellow U.V. 50	●	●	●		●	●
	712333	Tassello vetro 30x5 Glass cleat Verde Green U.V. 50	●	●	●		●	●
	712334	Tassello vetro 30x6 Glass cleat Nero Black U.V. 50	●	●	●		●	●
	712344	Tassello vetro 24x6 Glass cleat U.V. 50			●			

» ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	71912	1 Coppia di frizioni per bilico orizzontale Portata: 175 kg						
		4 <i>Horizontal pivoting window pivot</i>	●					
		8 <i>Couple bearing: 175 kg</i> U.V. 1						
	71914	1 Coppia di frizioni per bilico verticale Portata: 175 kg						
		4 <i>Vertical pivoting window pivot</i>	●					
		8 <i>Couple bearing: 175 kg</i> U.V. 1						
	719150	Asta di trazione bilico verticale Dx (cod. 71914X) - Argento <i>Reversing rod for right vertical pivoting (cod. 71914X) - Silver</i>	 U.V. 1	●				
	719151	Asta di trazione bilico verticale Dx (cod. 71914X) - Elettrocolore <i>Reversing rod for right vertical pivoting (cod. 71914X) - Dark bronze</i>	 U.V. 1	●				
	719152	Asta di trazione bilico verticale Sx (cod. 71914X) - Argento <i>Reversing rod for left vertical pivoting (cod. 71914X) - Silver</i>	 U.V. 1	●				
	719153	Asta di trazione bilico verticale Sx (cod. 71914X) - Elettrocolore <i>Reversing rod for left vertical pivoting (cod. 71914X) - Dark bronze</i>	 U.V. 1	●				
	719180	Kit fissaggio cremonese per bilico orizzontale <i>Horizontal pivoting window handle bolt fastening kit</i> U.V. 1	●					
	719181	Kit fissaggio cremonese per bilico verticale <i>Vertical pivoting window handle bolt fastening kit</i> U.V. 1	●					

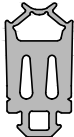
➤ ACCESSORI

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	C67K	C77K	C77K-CS	C67K-M	C45K-NI	C55K-NI
	719195	Aggancio di sicurezza per bilico <i>Pivoting window safety fastening</i> Nero Black U.V. 1	●					

Section 4

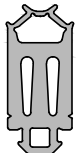
Guarnizioni e profili in plastica
Gaskets and plastic profile

GUARNIZIONI E PROFILI IN PLASTICA

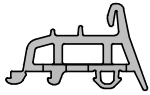
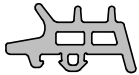
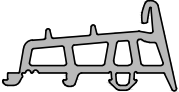
IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	MATERIALE MATERIAL	C67K	C77K	C77K-CS	C67K-M
	V00010	Guarnizione interna vetro 2.5÷3 mm <i>Interior side glazing gasket</i>	PVC COESTRUSA U.V. 240 m	●	●	●	●
	V00012	Guarnizione interna vetro h 4mm <i>Interior side glazing gasket</i>	EPDM Nero Black U.V. 50 m			●	
	V00013	Guarnizione interna vetro h 6mm <i>Interior side glazing gasket</i>	EPDM Nero Black U.V. 50 m			●	
	V00014	Guarnizione interna vetro h 8mm <i>Interior side glazing gasket</i>	EPDM Nero Black U.V. 50 m			●	
	V00015	Guarnizione interna vetro h 10mm <i>Interior side glazing gasket</i>	EPDM Nero Black U.V. 50 m			●	
	V00016	Guarnizione interna vetro h 12mm <i>Interior side glazing gasket</i>	EPDM Nero Black U.V. 50 m			●	

GUARNIZIONI E PROFILI IN PLASTICA
GASKET AND PLASTIC PROFILE INDEX

➤ GUARNIZIONI E PROFILI IN PLASTICA

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	MATERIALE MATERIAL	C67K	C77K	C77K-CS	C67K-M
	V00017	Guarnizione interna vetro h 14mm <i>Interior side glazing gasket</i>	EPDM Nero Black U.V. 50 m			●	
	V00024	Guarnizione interna vetro patta 3.5÷4.5 mm <i>Interior side glazing gasket flat</i>	EPDM U.V. 180 m	●	●	●	●
	V00025	Guarnizione interna vetro patta 4.5÷5.5 mm <i>Interior side glazing gasket flat</i>	EPDM U.V. 160 m	●	●	●	●
	V00026	Guarnizione interna vetro patta 5.5÷6.5 mm <i>Interior side glazing gasket flat</i>	EPDM U.V. 140 m	●	●	●	●
	V00027	Guarnizione interna vetro patta 6.5÷7.5 mm <i>Interior side glazing gasket flat</i>	EPDM U.V. 120 m	●	●	●	●

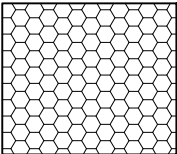
» GUARNIZIONI E PROFILI IN PLASTICA

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	MATERIALE MATERIAL	C67K	C77K	C77K-CS	C67K-M
	V02001	Guarnizione giunto aperto coestruso isolato <i>Coextruded central gasket</i>	EPDM COESTRUSO Nero Black U.V. 25 m	●			●
	V02011	Giunto aperto isolato per sporgere <i>Central gasket insulated for projecting</i>	EPDM ESPANSO Nero Black U.V. 50 m	●			
	V02014	Guarnizione giunto aperto per bilico <i>Central gasket pivoting windows</i>	EPDM ESPANSO Nero Black U.V. 25 m	●			
	V02024	Guarnizione giunto aperto <i>Central gasket</i>	EPDM ESPANSO Nero Black U.V. 30 m		●	●	
	V03000	Guarnizione di battuta e tenuta esterna vetro <i>Rebate and glazing gasket</i>	EPDM COESTRUSO Nero Black U.V. 150 m	●	●	●	●
	V03013	Guarnizione per finitura a muro <i>Finishing gasket</i>	PVC COESTRUSO U.V. 300 m	●	●	●	●

➤ GUARNIZIONI E PROFILI IN PLASTICA

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	MATERIALE MATERIAL	C67K	C77K	C77K-CS	C67K-M
	V03023	Guarnizione inversione battuta infisso a sporgere <i>Gasket projecting frame, reversing overlap</i>	EPDM ESPANSO Nero Black U.V. 25 m	●			
	V03025	Guarnizione battuta centrale bilico <i>Central rebate pivoting windows gasket</i>	EPDM COESTRUSO Nero Black U.V. 25 m	●			
	V05003	Guarnizione appoggio soglia stipite <i>Base gasket for frame profile</i>	EPDM Nero Black U.V. 30 m	●	●		
	V05025	Guarnizione chiudi-cava telaio <i>Finishing gasket for frame profile</i>	EPDM Nero Black U.V. 25 m	●	●	●	●

➤ GUARNIZIONI E PROFILI IN PLASTICA

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	MATERIALE MATERIAL	C67K	C77K	C77K-CS	C67K-M
	V09032	Guarnizione elemento isolante vano vetro (barra da 2 m) <i>Insulating element in glazing chamber (Lenght 2 m)</i>	POLIETILENE <i>Polyethylene</i> U.V. 15 pz			●	
	V09050	Guarnizione isolante sotto vetro anta L= 2 m <i>Insulating gasket under glass</i>	LDPE Grigio <i>Gray</i> U.V. 30 pz	●	●		
	V21009	Listello isolante 38x18 (barra da 1 m) <i>38x18 insulating strip (Lenght 1 m)</i>	PUR U.V. 10 pz	●	●		
	V21010	Listello isolante 75x27 (barra da 1 m) <i>75x27 insulating strip (Lenght 1 m)</i>	PUR U.V. 10 pz	●			
	V21015	Listello isolante 47x10 (barra da 1 m) <i>47x10 insulating strip (Lenght 1 m)</i>	PUR U.V. 1 pz		●		
	V29004 ⊛	Listello isolante 26x12 mm (barra da 2 m) <i>26x12 mm insulating strip (Lenght 2 m)</i>	POLIETILENE <i>Polyethylene</i> U.V. 1 pz	●			

➤ GUARNIZIONI E PROFILI IN PLASTICA

⊛ Disponibilità futura / Future availability

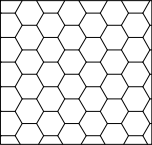
☐ Disponibile su richiesta / On request available

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	MATERIALE MATERIAL	C67K	C77K	C77K-CS	C67K-M
	V69058	Nastro biadesivo acrilico 30x1.1 mm <i>Acrylic double-sided tape</i>	Grigio Gray U.V. 33 m	●	●		●
	V69059	Nastro biadesivo acrilico 30x0.6 mm <i>Acrylic double-sided tape</i>	Grigio Gray U.V. 33 m	●	●		●
	V69060	Nastro biadesivo acrilico 30x1.6 mm <i>Acrylic double-sided tape</i>	Grigio Gray U.V. 33 m	●	●		●

> GUARNIZIONI E PROFILI IN PLASTICA

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	MATERIALE MATERIAL	C67K	C77K	C77K-CS	C67K-M
	800050	Guarnizione esterna vetro <i>External glazing gasket</i>	EPDM U.V. 100 m			●	
	800051	Guarnizione esterna vetro <i>External glazing gasket</i>	EPDM U.V. 90 m			●	
	800165	Guarnizione elemento isolante vano vetro (barra da 2 m) <i>Insulating element in glazing chamber (Lenght 2 m)</i>	POLIETILENE <i>Polyethylene</i> U.V. 30 pz	●	●		
	800907	Guarnizione per compensatore K1496 <i>K1496 section gasket</i>	EPDM U.V. 100 m	●	●		
	800946	Guarnizione per giunti di dilatazione telai <i>Expansion joint gasket</i>	EPDM Nero Black U.V. 40 m	●	●		
	800990	Guarnizione "chiudi cava" telaio stulp e TZ <i>Cover gasket for groove frame stulp and TZ</i>	EPDM Nero Black U.V. 100 m	●	●	●	●

➤ GUARNIZIONI E PROFILI IN PLASTICA

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	MATERIALE MATERIAL	C67K	C77K	C77K-CS	C67K-M
	800998	Guarnizione "chiudi cava" di finitura <i>Cover gasket for groove</i>	EPDM Nero <i>Black</i> U.V. 150 m	●	●		
	808082C	Listello isolante 19x20 (barra da 1 m) <i>19x20 insulating strip (Lenght 1 m)</i>	PUR U.V. 25 pz			●	
	808098C	Listello isolante 32x45 (barra da 1 m) <i>32x45 insulating strip (Lenght 1 m)</i>	PUR U.V. 10 pz			●	
	808104C	Listello isolante 22x41 (barra da 1m) <i>22x41 insulating strip (Lenght 1 m)</i>	PUR U.V. 25 pz		●		

» GUARNIZIONI E PROFILI IN PLASTICA

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	MATERIALE MATERIAL	C67K	C77K	C77K-CS	C67K-M
	809119	Guarnizione interna vetro 2÷3 mm <i>Interior side glazing gasket</i>	EPDM Nero <i>Black</i> U.V. 280 m	●	●	●	
	809120	Guarnizione interna vetro 3÷4 mm <i>Interior side glazing gasket</i>	EPDM Nero <i>Black</i> U.V. 200 m	●	●	●	●
	809121	Guarnizione interna vetro 4.5÷6 mm <i>Interior side glazing gasket</i>	EPDM Nero <i>Black</i> U.V. 120 m	●	●	●	●
	809122	Guarnizione interna vetro 6.5÷8 mm <i>Interior side glazing gasket</i>	EPDM Nero <i>Black</i> U.V. 100 m	●	●	●	●
	809455	Giunto aperto <i>Central gasket</i>	EPDM Nero <i>Black</i> U.V. 50 m	●			●
	809463	Guarnizione di battuta interna per bilico <i>Pivoting window internal rabbet gasket</i>	EPDM Nero <i>Black</i> U.V. 100 m	●	●	●	●

GUARNIZIONI E PROFILI IN PLASTICA
GASKET AND PLASTIC PROFILE INDEX

➤ GUARNIZIONI E PROFILI IN PLASTICA

▲ Articolo in esaurimento - Until stock is finished

IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	MATERIALE MATERIAL	C67K	C77K	C77K-CS	C67K-M
	▲ 809476	Guarnizione a muro <i>Wall gasket</i>	EPDM Nero <i>Black</i> U.V. 100 m	●	●	●	
	809477	Guarnizione canalino per giunto di dilatazione <i>Undercut expansion joint gasket</i>	EPDM Nero <i>Black</i> U.V. 300 m	●	●		
	809484	Guarnizione di battuta <i>Overlap gasket</i>	EPDM Nero <i>Black</i> U.V. 150 m	●			
	809503	Guarnizione acustica esterna <i>Sound insulation gasket</i>	EPDM Nero <i>Black</i> U.V. 300 m	●	●		●
	809536	Guarnizione a muro spessore = 3 mm <i>Wall gasket thickness = 3 mm</i>	EPDM U.V. 200 m	●	●		

» GUARNIZIONI E PROFILI IN PLASTICA

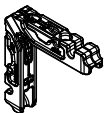
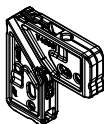
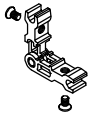
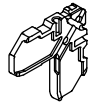
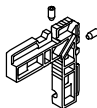
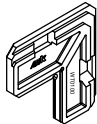
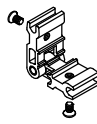
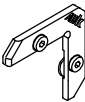
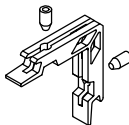
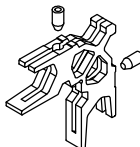
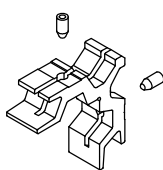
☐ Disponibile su richiesta / On request available

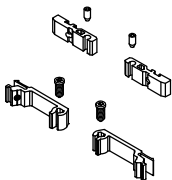
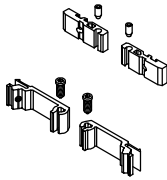
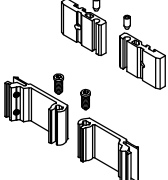
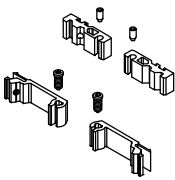
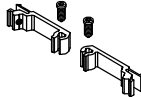
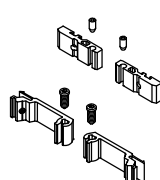
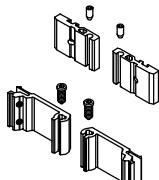
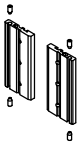
IMMAGINE IMAGE	CODICE CODE	DESCRIZIONE DESCRIPTION	MATERIALE MATERIAL	C67K	C77K	C77K-CS	C67K-M
	809540	Guarnizione fondo di giunto per vetrazione con siliconatura <i>Backer rod gasket for silicone glazing</i>	EPDM Nero Black U.V. 200 m	●	●		●
	809619	Listello isolante 26x12 mm (barra da 2 m) <i>26x12 mm insulating strip (Length 2 m)</i>	POLIETILENE ESPANSO Polyethylene U.V. 1 pz	●			
	809620	Guarnizione adesiva 10x2 <i>Adhesive gasket 10x2</i>	EPDM U.V. 20 m	●	●		
	809967	Spazzolino per profili K22 e K44 <i>K22 and K44 brush gasket</i>	- U.V. 250 m	●	●		

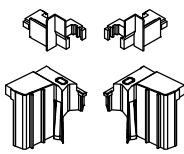
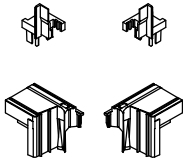
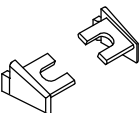
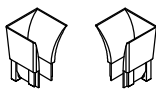
Section 5

Profili

Profile sections

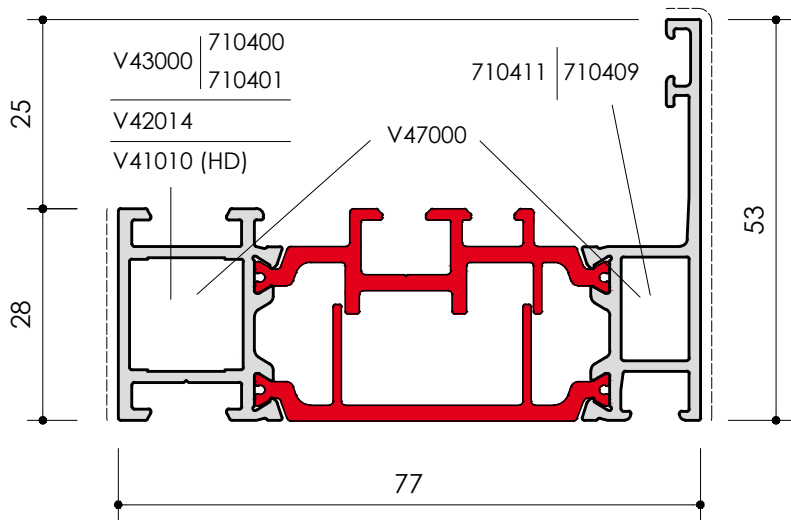
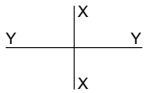
						
V43000	V43001	710404	710408	710407	700151	V42014
						
710411	710410	710022	710023	710024	710180	710121
						
710041	710055			V41010 (HD)	V41011 (HD)	710004 (HD)
						
710400	710401	710409				

						
V47000	V47001	V47002	V47003	V47005	V47006	V47007
						
710219						

						
V52044	V52043	712010	700386	709240		

PROFILI

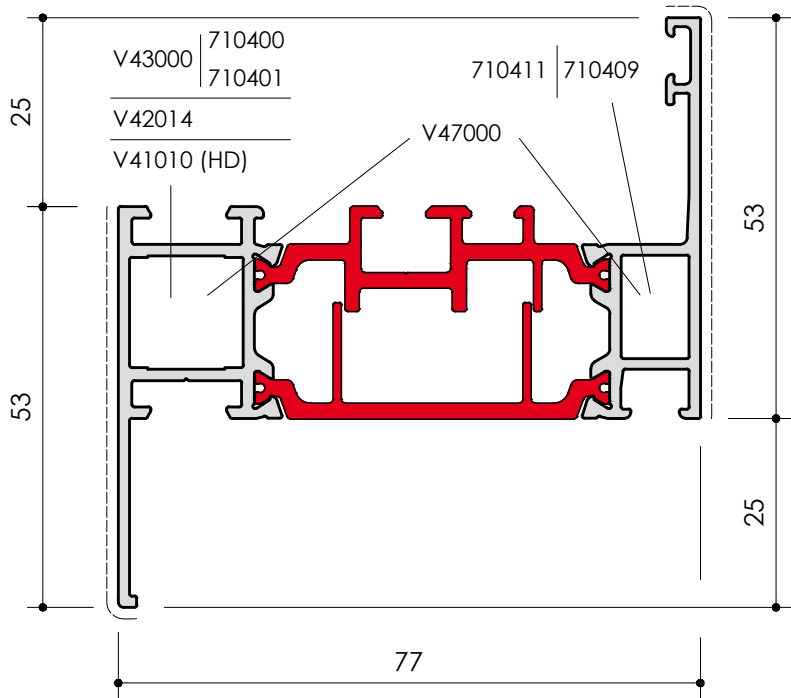
PROFILI STIPITE



U28002

Peso	1.34	kg/m			
Ox Sup.	86	mm	Perim tot.	406	mm
Jx	28.94	cm ⁴	Wx	7.01	cm ³
Jy	6.23	cm ⁴	Wy	1.70	cm ³

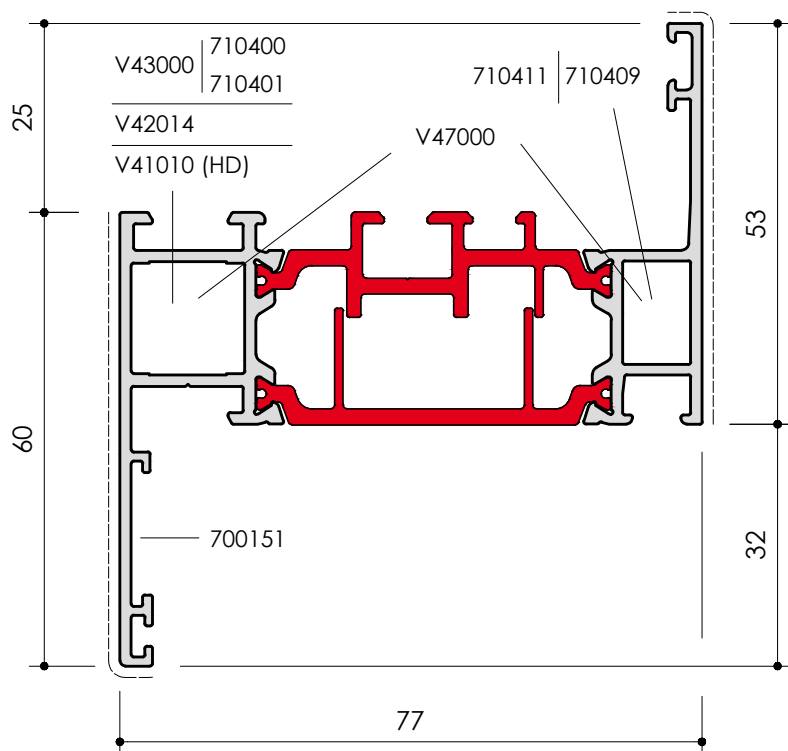
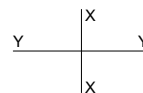
L [m] 6.8



U28022

Peso	1.45	kg/m			
Ox Sup.	112	mm	Perim tot.	457	mm
Jx	35.58	cm ⁴	Wx	8.56	cm ³
Jy	9.48	cm ⁴	Wy	2.42	cm ³

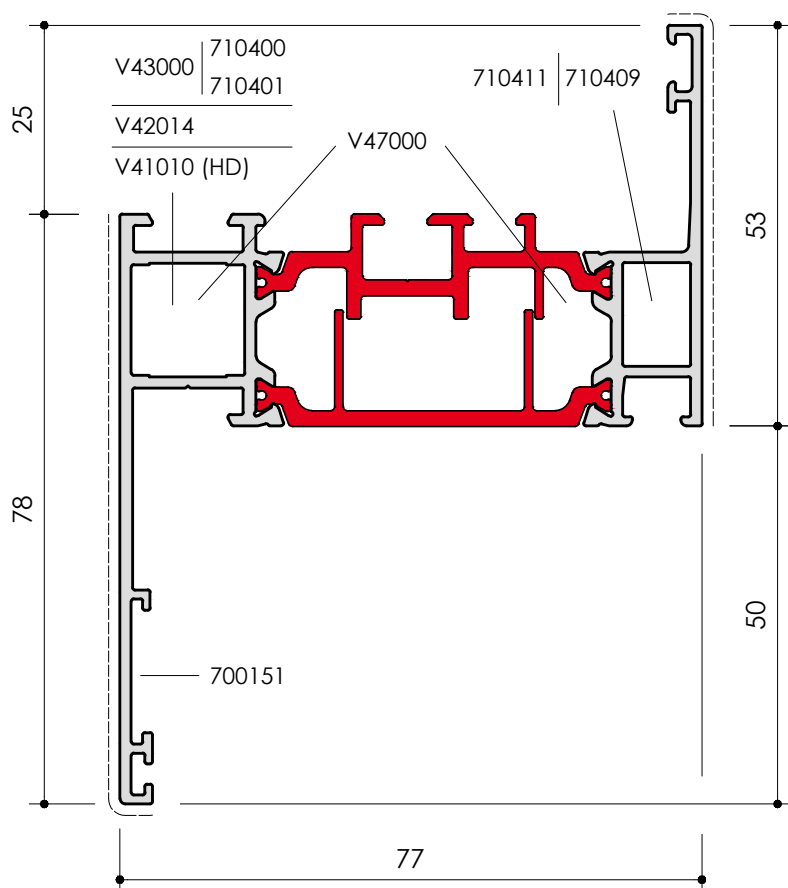
L [m] 6.8



U28023

Peso	1.50	kg/m			
Ox Sup.	121	mm	Perim tot.	491	mm
Jx	35.54	cm ⁴	Wx	8.71	cm ³
Jy	13.03	cm ⁴	Wy	2.96	cm ³

L [m] 6.8



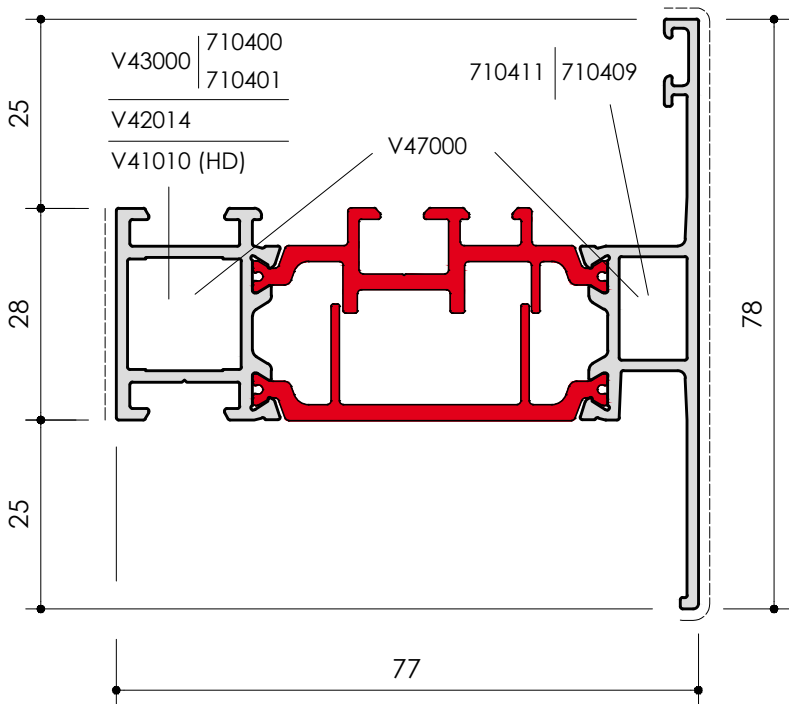
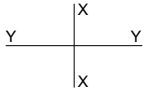
U28024

Peso	1.59	kg/m			
Ox Sup.	139	mm	Perim tot.	527	mm
Jx	38.56	cm ⁴	Wx	8.95	cm ³
Jy	22.64	cm ⁴	Wy	3.88	cm ³

L [m] 6.8

Foro squadretta esterna non eseguibile con punzonatrice di sistema

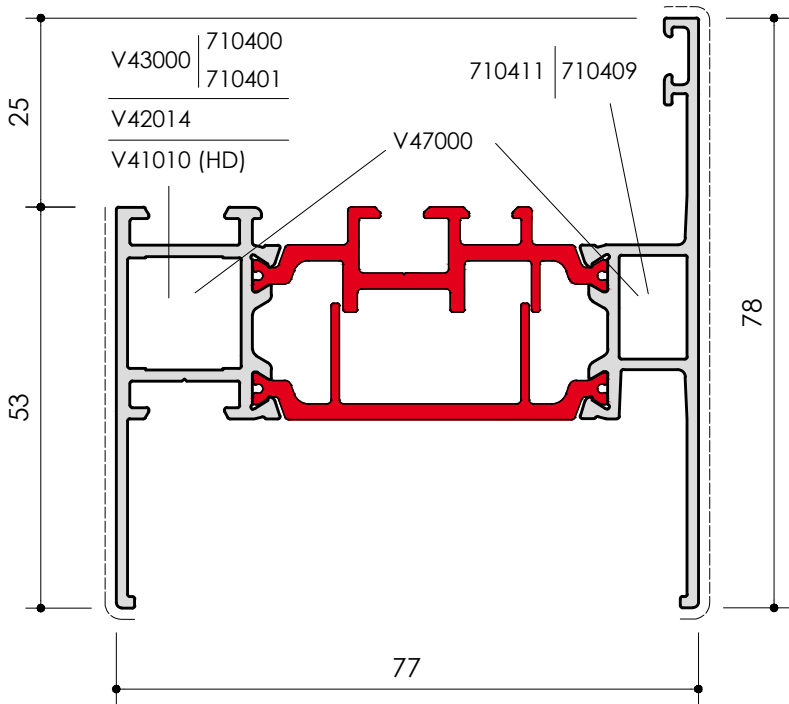
External corner clat hole not executable with system punching machine



U28042

Peso	1.44	kg/m			
Ox Sup.	112	mm	Perim tot.	456	mm
Jx	32.34	cm ⁴	Wx	7.30	cm ³
Jy	9.45	cm ⁴	Wy	2.42	cm ³

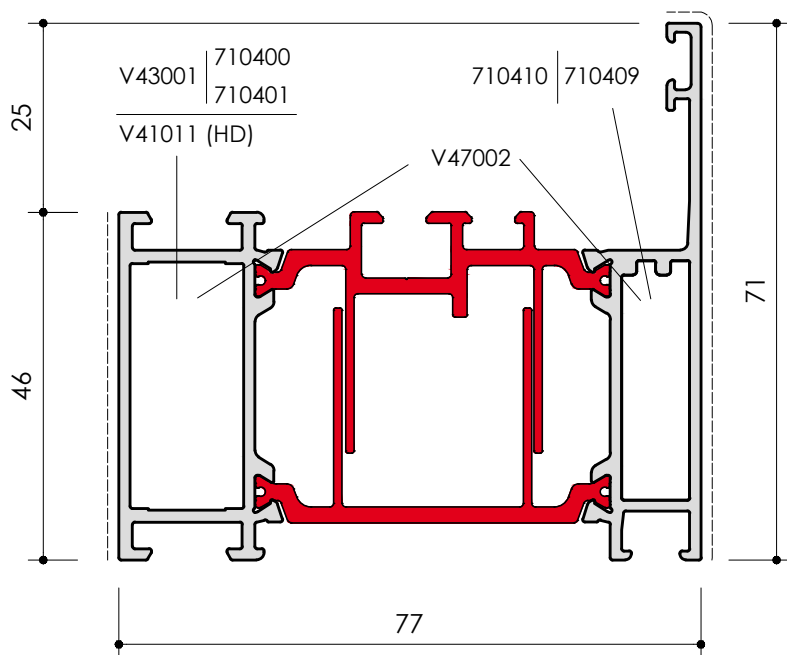
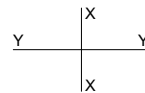
L [m]



U28043

Peso	1.55	kg/m			
Ox Sup.	139	mm	Perim tot.	507	mm
Jx	37.73	cm ⁴	Wx	9.25	cm ³
Jy	12.22	cm ⁴	Wy	2.96	cm ³

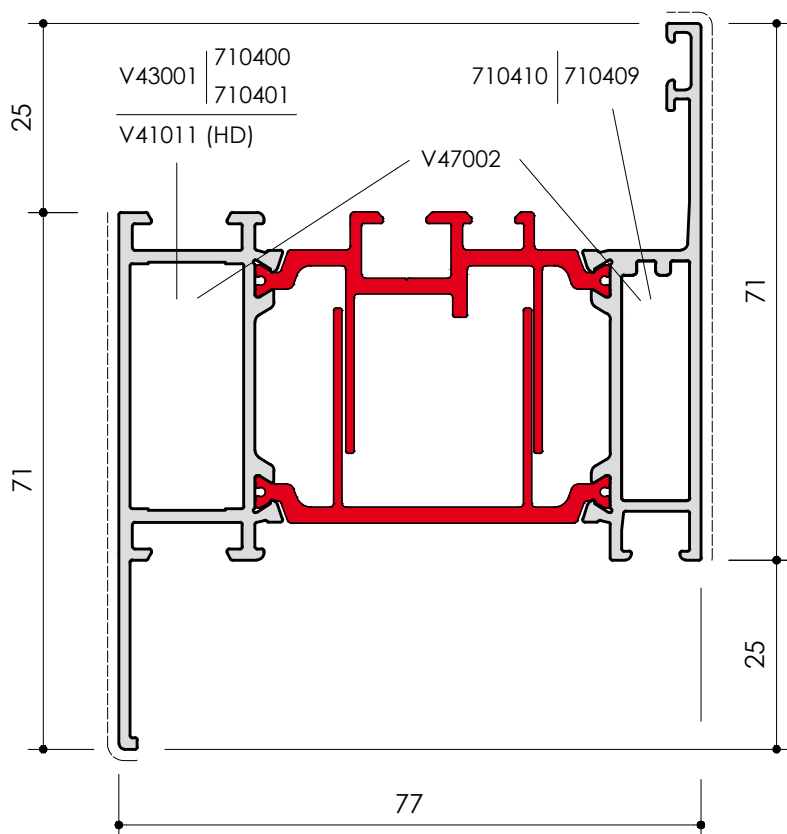
L [m] 6.8



U28003

Peso	1.75	kg/m			
Ox Sup.	122	mm	Perim tot.	454	mm
Jx	38.54	cm ⁴	Wx	9.37	cm ³
Jy	16.33	cm ⁴	Wy	3.64	cm ³

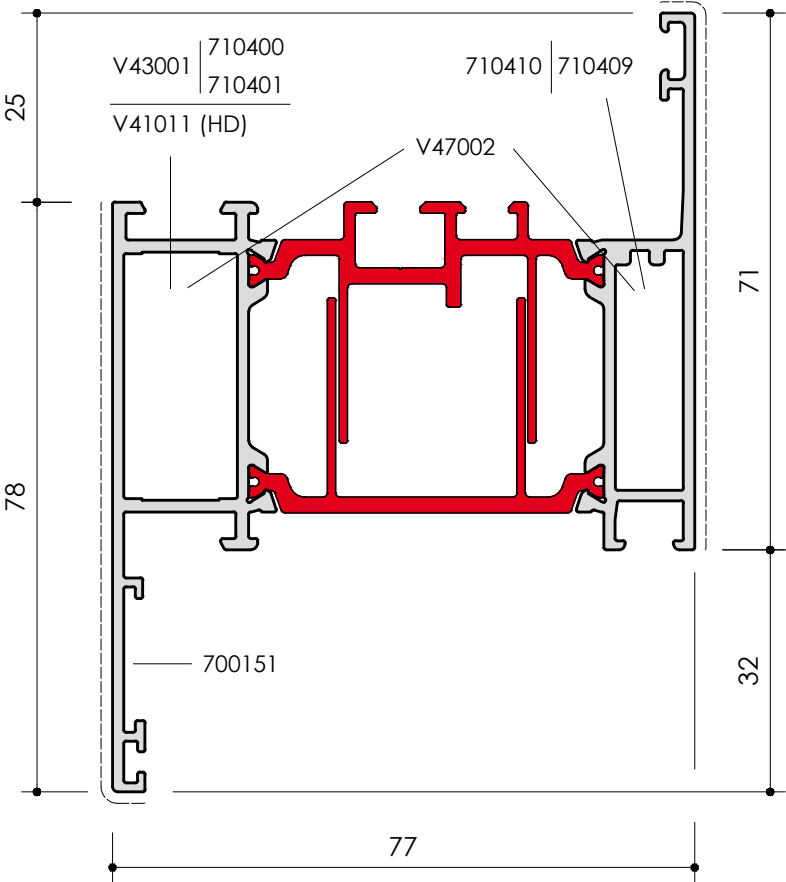
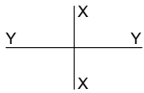
L [m] 6.8



U28025

Peso	1.86	kg/m			
Ox Sup.	148	mm	Perim tot.	505	mm
Jx	43.24	cm ⁴	Wx	11.19	cm ³
Jy	22.04	cm ⁴	Wy	4.54	cm ³

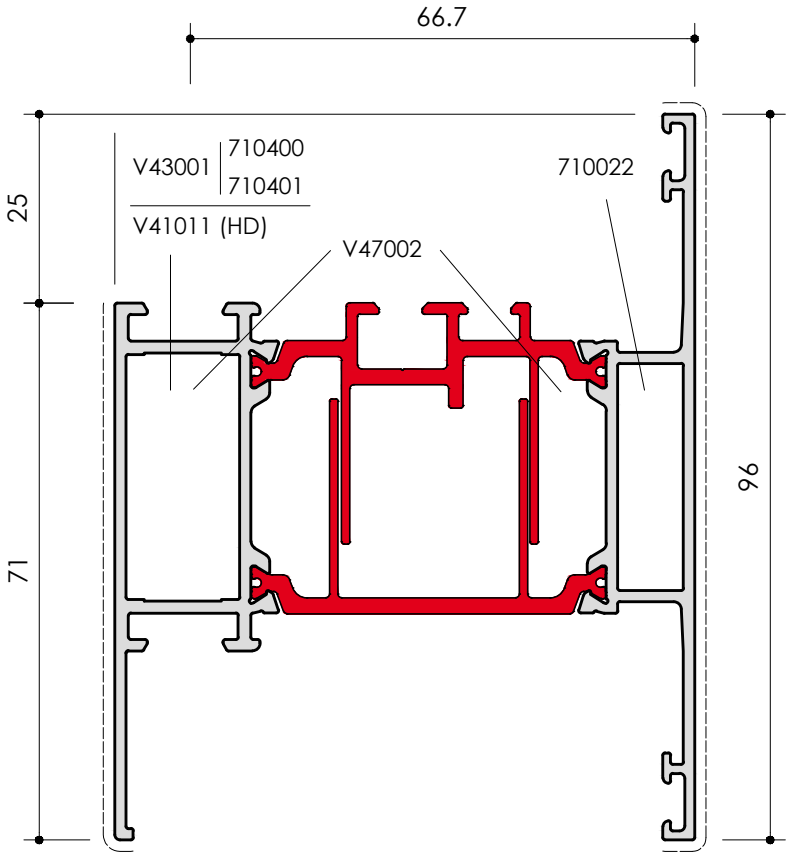
L [m] 6.8



U28026

Peso	1.92	kg/m			
Ox Sup.	157	mm	Perim tot.	539	mm
Jx	45.28	cm ⁴	Wx	11.35	cm ³
Jy	27.45	cm ⁴	Wy	5.12	cm ³

L [m] 6.8

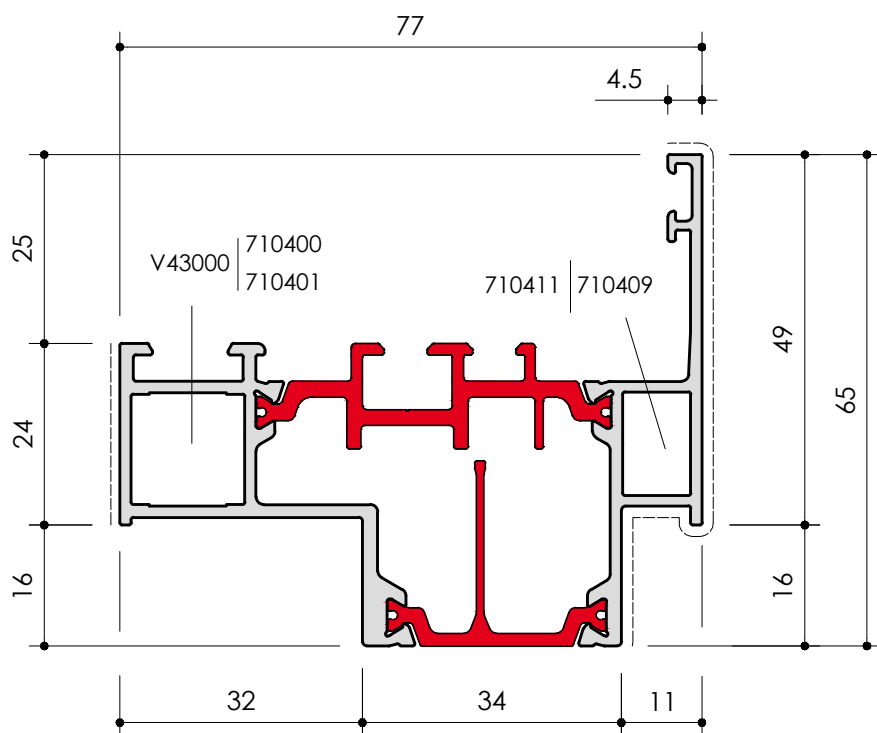
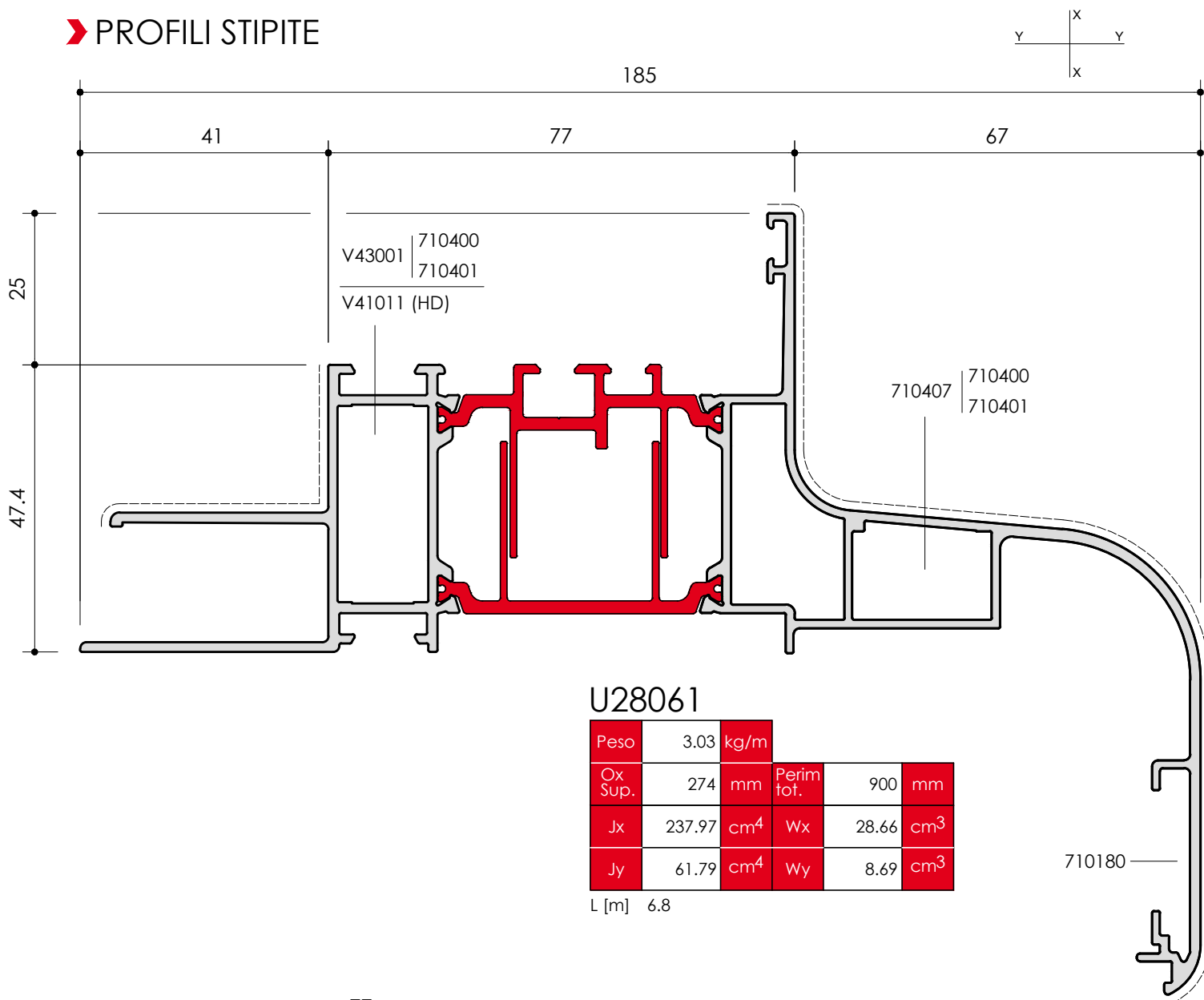


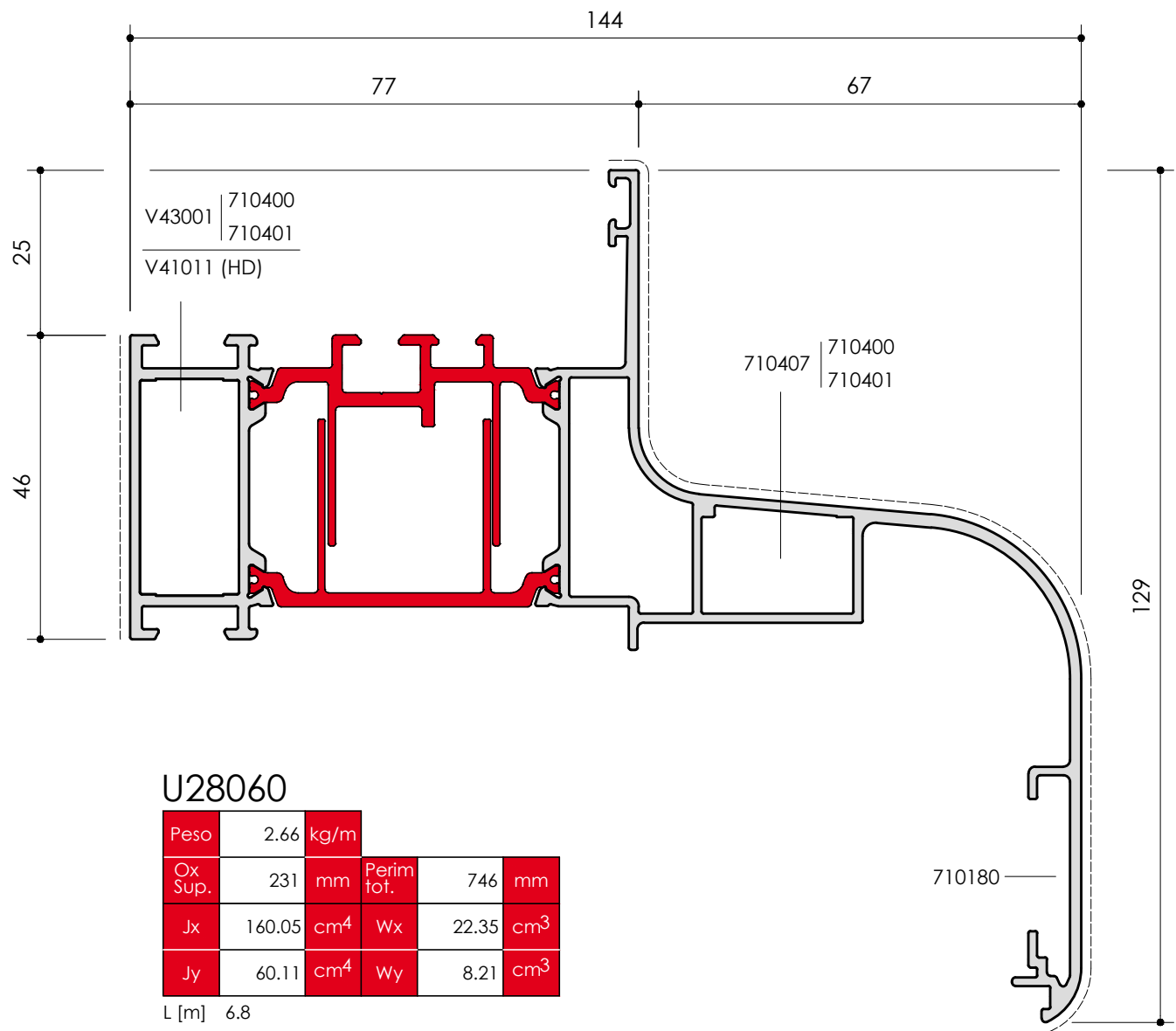
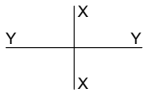
U28044

Peso	1.95	kg/m			
Ox Sup.	177	mm	Perim tot.	559	mm
Jx	46.77	cm ⁴	Wx	11.59	cm ³
Jy	27.48	cm ⁴	Wy	5.46	cm ³

L [m] 6.8

PROFILI STIPITE

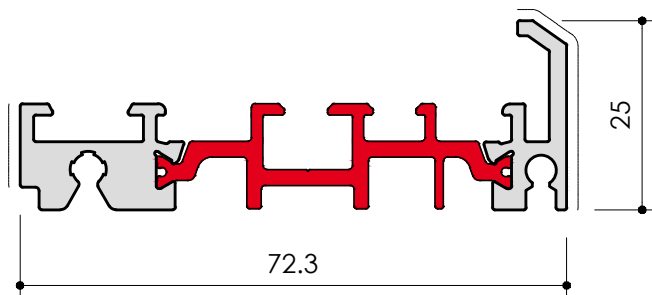




U28060

Peso	2.66	kg/m			
Ox Sup.	231	mm	Perim tot.	746	mm
Jx	160.05	cm ⁴	Wx	22.35	cm ³
Jy	60.11	cm ⁴	Wy	8.21	cm ³

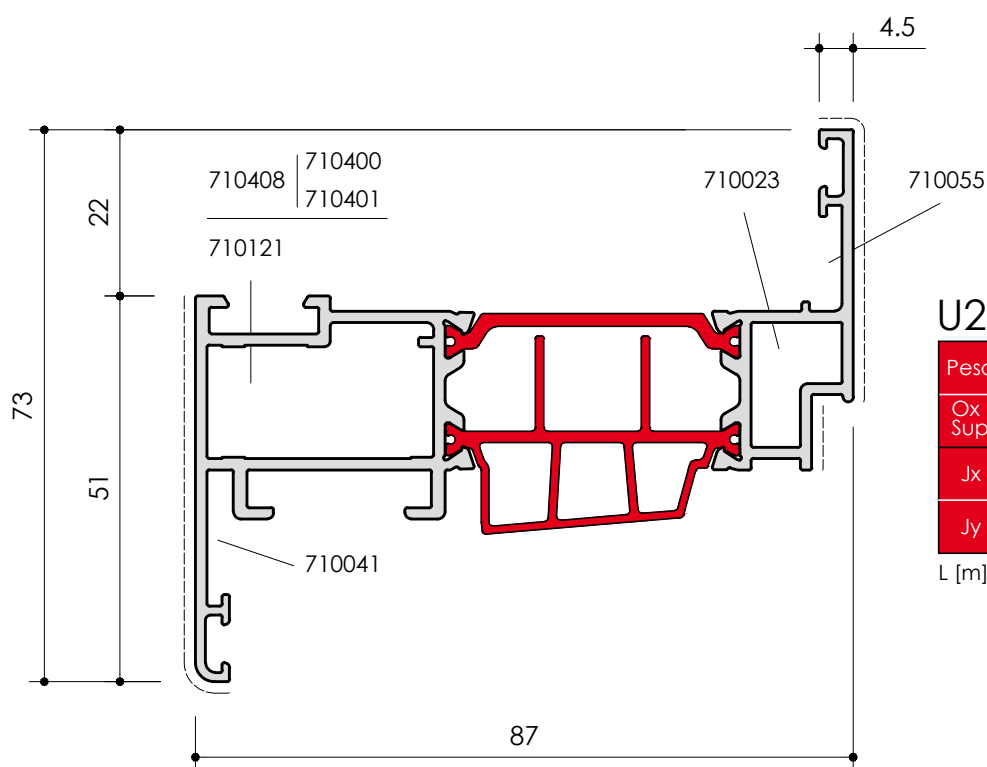
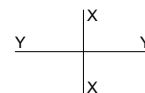
L [m] 6.8



U28400

Peso	0.96	kg/m			
Ox Sup.	41	mm	Perim tot.	372	mm

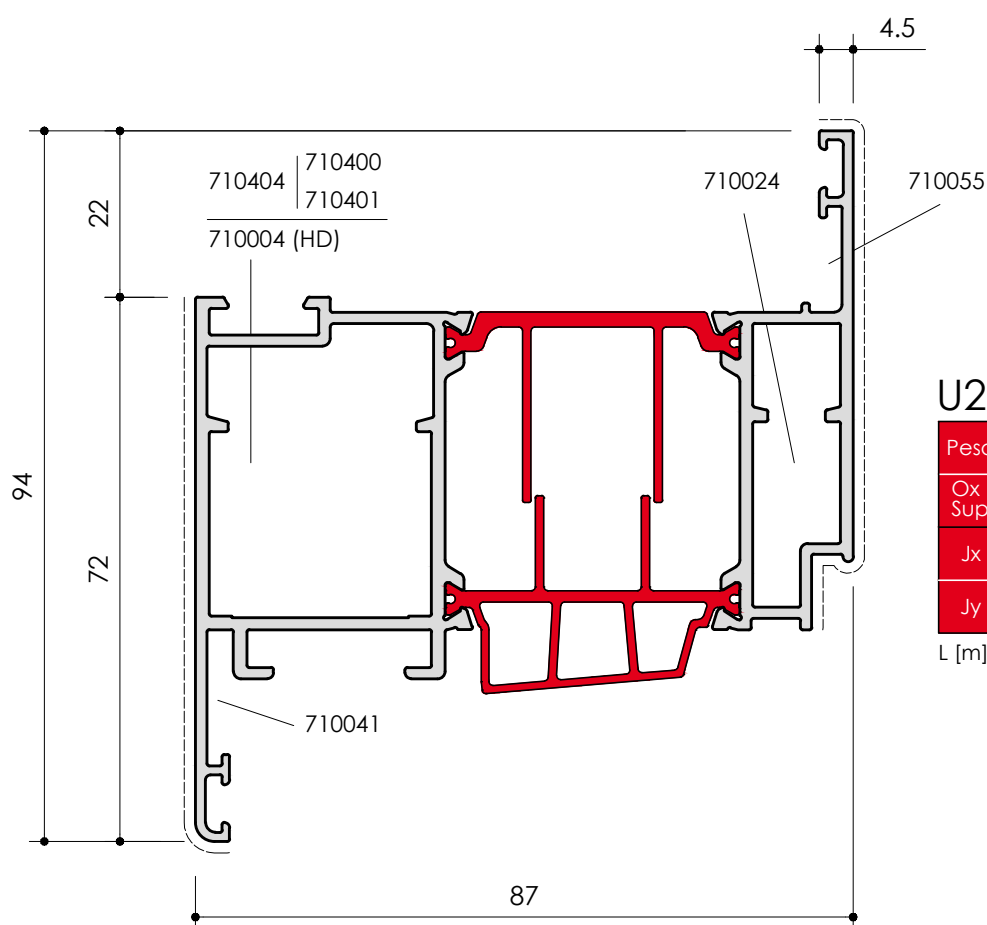
L [m] 6.8



U28129 (U28120)

Peso	1.58	kg/m			
Ox Sup.	111	mm	Perim tot.	433	mm
Jx	41.26	cm ⁴	Wx	10.14	cm ³
Jy	9.39	cm ⁴	Wy	2.65	cm ³

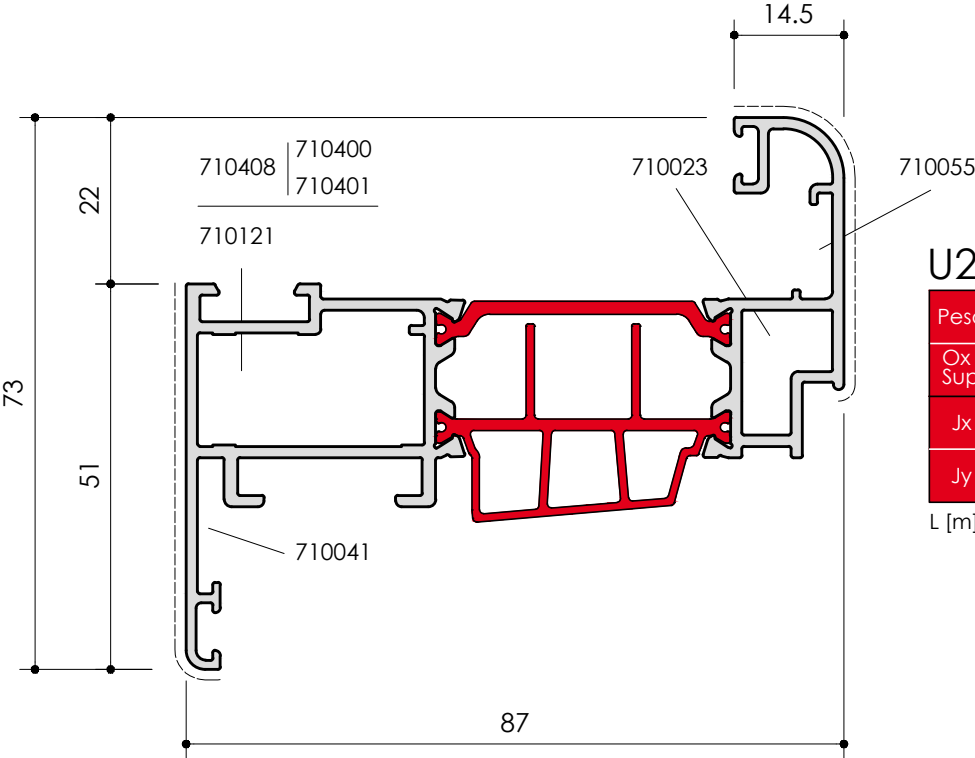
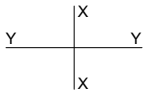
L [m] 6.8



U28130 (U28123)

Peso	2.04	kg/m			
Ox Sup.	153	mm	Perim tot.	475	mm
Jx	57.15	cm ⁴	Wx	13.49	cm ³
Jy	27.91	cm ⁴	Wy	5.93	cm ³

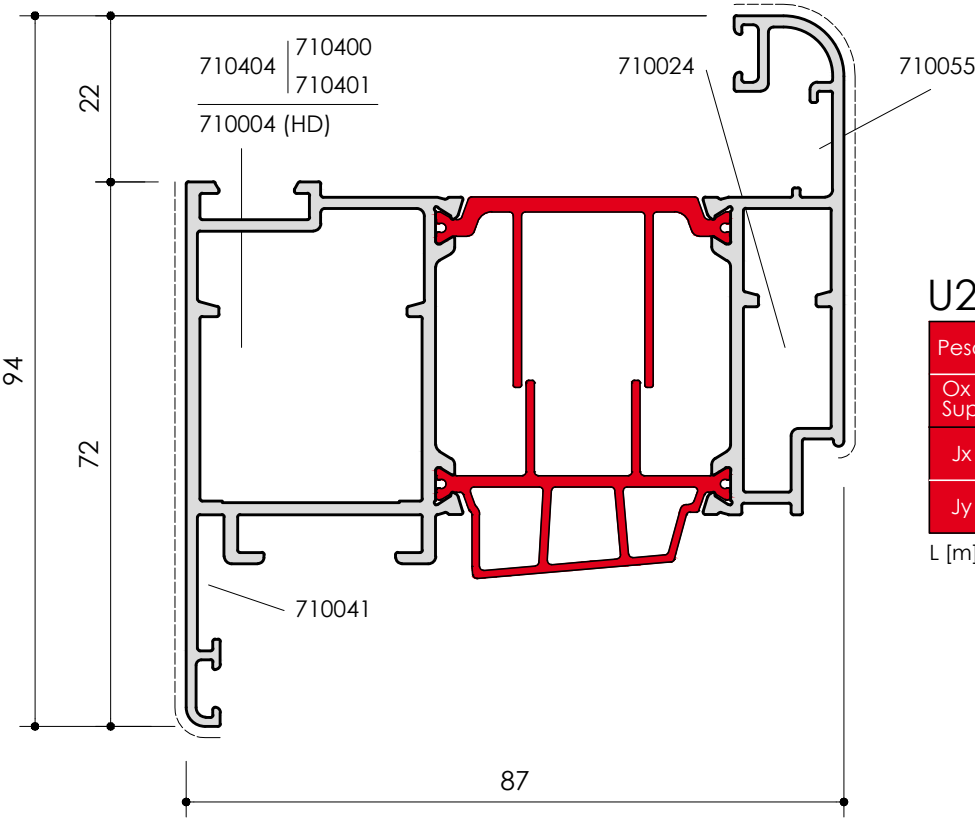
L [m] 6.8



U28131 (U28121)

Peso	1.66	kg/m			
Ox Sup.	118	mm	Perim tot.	468	mm
Jx	43.53	cm ⁴	Wx	10.28	cm ³
Jy	11.83	cm ⁴	Wy	3.49	cm ³

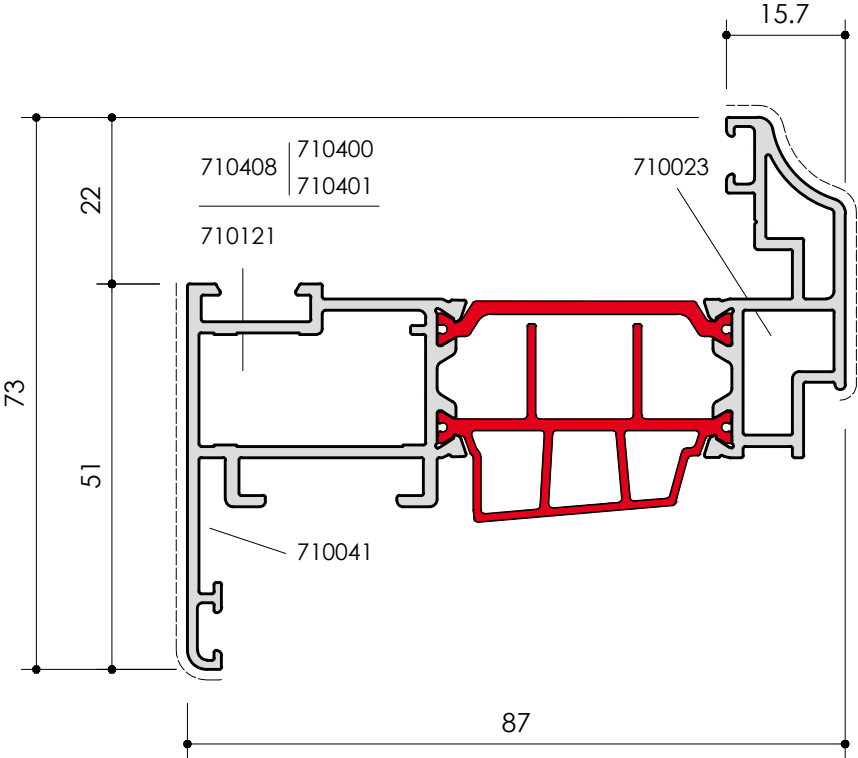
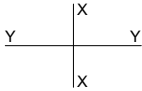
L [m] 6.8



U28132 (U28124)

Peso	2.12	kg/m			
Ox Sup.	160	mm	Perim tot.	510	mm
Jx	59.23	cm ⁴	Wx	13.60	cm ³
Jy	31.73	cm ⁴	Wy	7.13	cm ³

L [m] 6.8



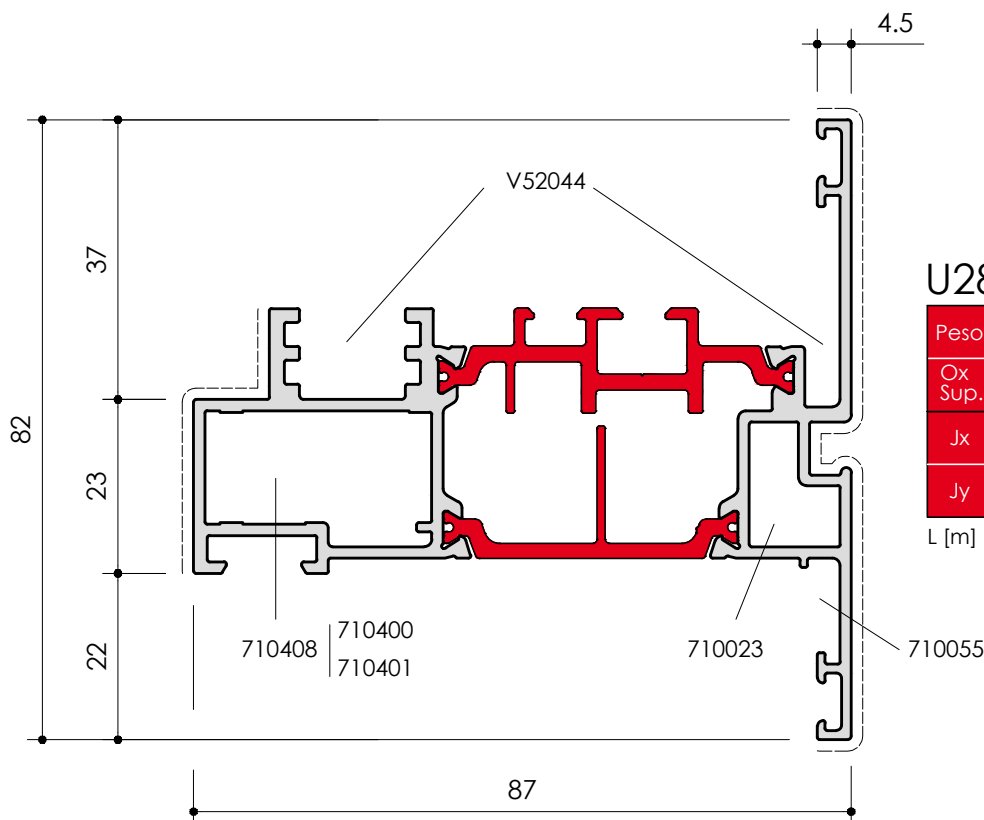
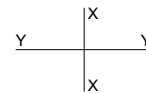
U28133 (U28122)

Peso	1.71	kg/m			
Ox Sup.	116	mm	Perim tot.	435	mm
Jx	44.68	cm ⁴	Wx	10.25	cm ³
Jy	11.85	cm ⁴	Wy	3.54	cm ³

L [m] 6.8

A RICHIESTA - ONLY ON REQUEST

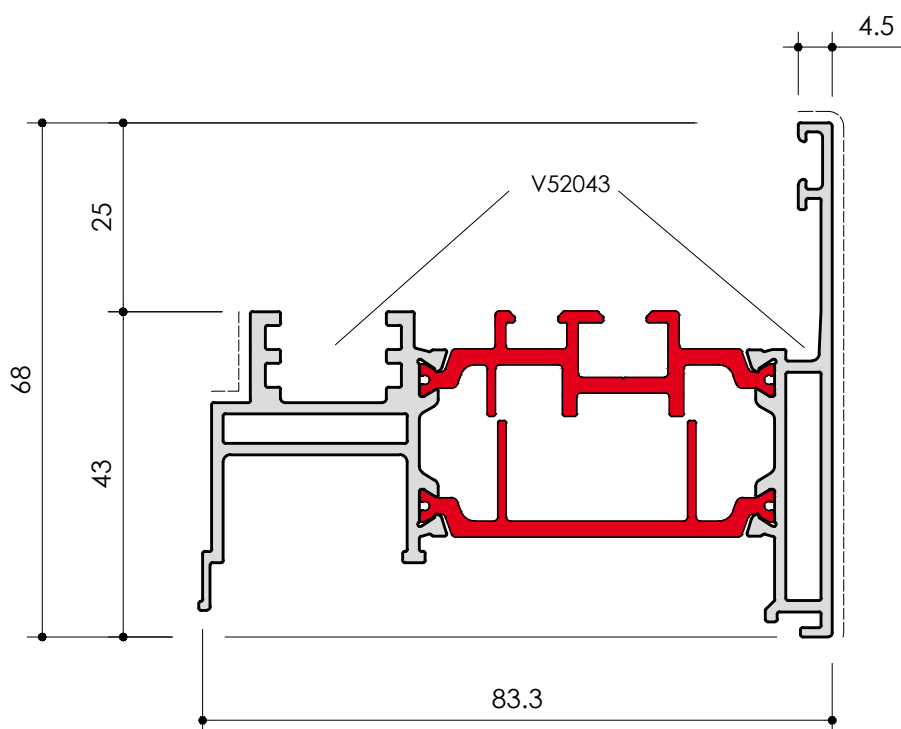
PROFILI ANTA/GIUNZIONE



U28501

Peso	1.81	kg/m			
Ox Sup.	147	mm	Perim tot.	483	mm
Jx	46.82	cm ⁴	Wx	9.36	cm ³
Jy	13.97	cm ⁴	Wy	3.23	cm ³

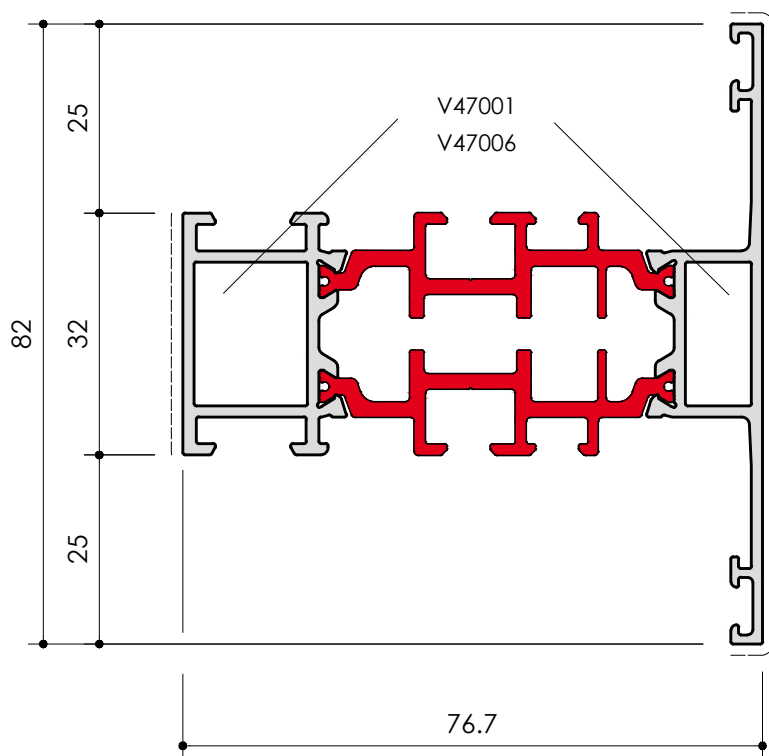
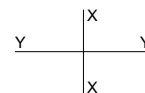
L [m] 6.8



U28502

Peso	1.63	kg/m			
Ox Sup.	94	mm	Perim tot.	492	mm
Jx	39.78	cm ⁴	Wx	8.48	cm ³
Jy	9.75	cm ⁴	Wy	2.43	cm ³

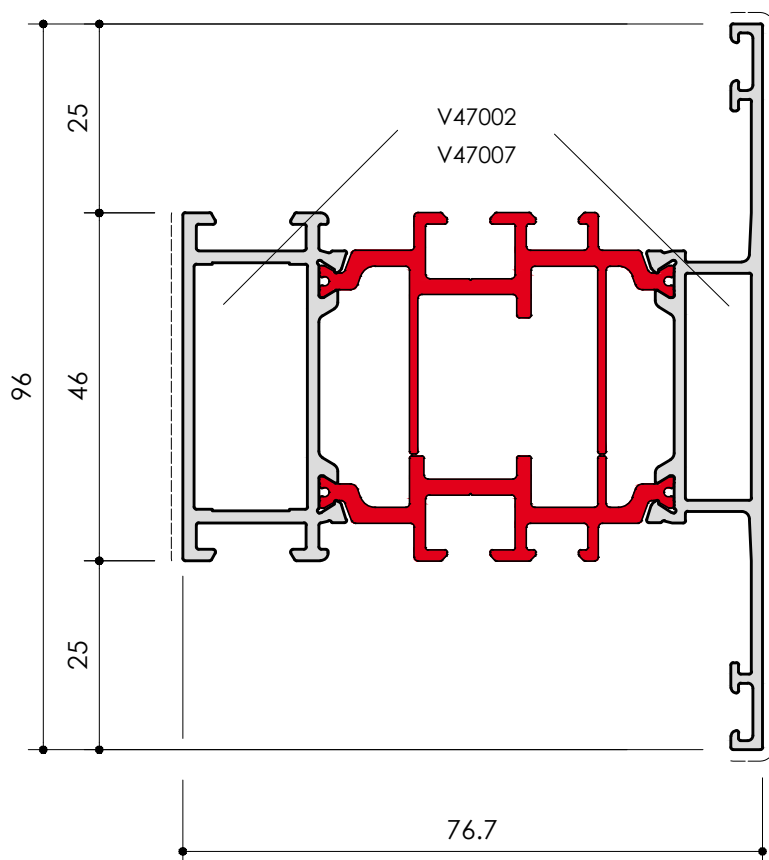
L [m] 6.8



U28601

Peso	1.55	kg/m			
Ox Sup.	123	mm	Perim tot.	523	mm
Jx	34.19	cm ⁴	Wx	7.75	cm ³
Jy	11.90	cm ⁴	Wy	2.90	cm ³

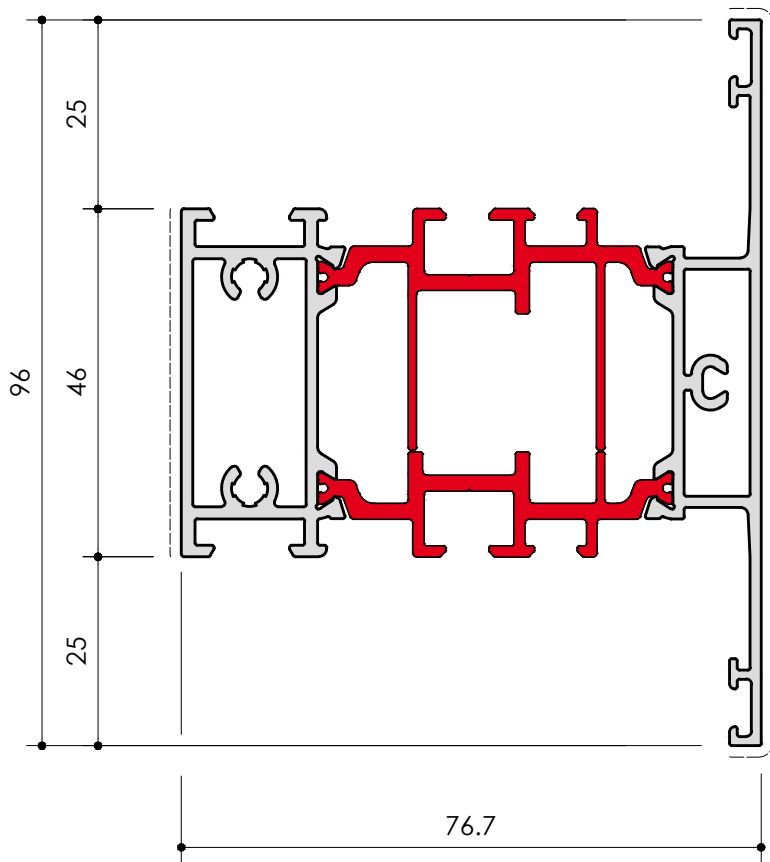
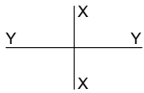
L [m] 6.8



U28602

Peso	1.85	kg/m			
Ox Sup.	151	mm	Perim tot.	556	mm
Jx	41.57	cm ⁴	Wx	9.64	cm ³
Jy	22.58	cm ⁴	Wy	4.70	cm ³

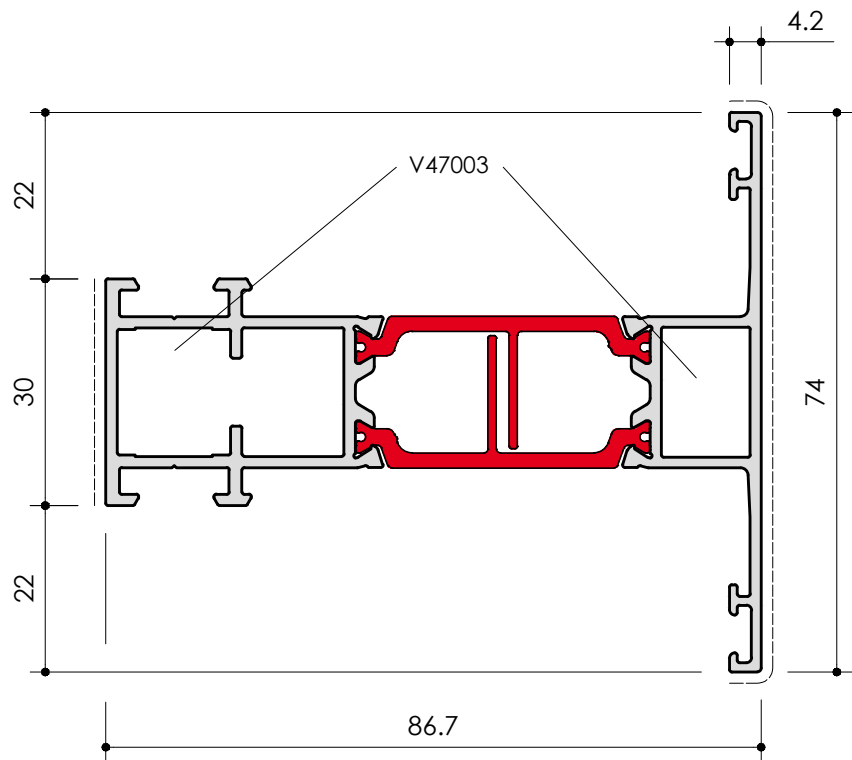
L [m] 6.8



U28603

Peso	2.00	kg/m			
Ox Sup.	151	mm	Perim tot.	556	mm
Jx	45.83	cm ⁴	Wx	10.88	cm ³
Jy	23.24	cm ⁴	Wy	4.84	cm ³

L [m] 6.8

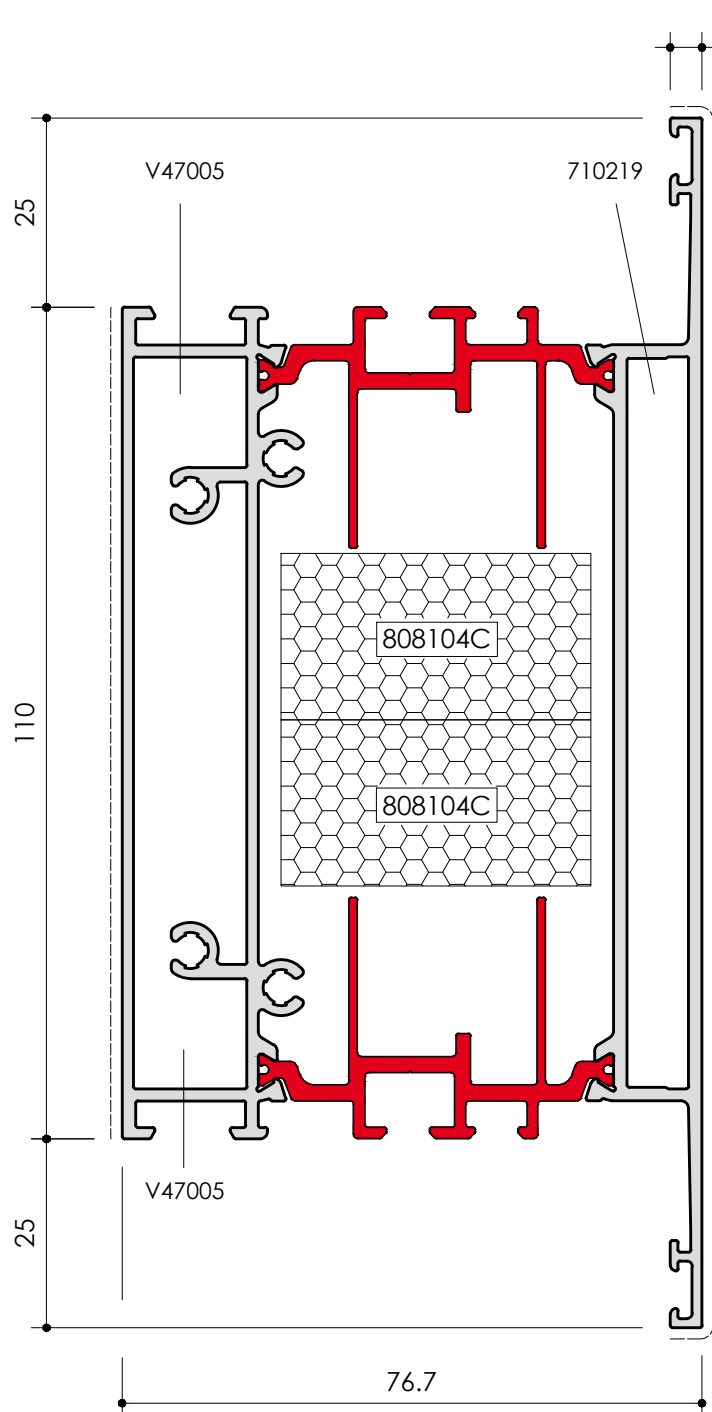


U28605

Peso	1.53	kg/m			
Ox Sup.	112	mm	Perim tot.	306	mm
Jx	42.44	cm ⁴	Wx	8.83	cm ³
Jy	9.57	cm ⁴	Wy	2.59	cm ³

L [m] 6.8

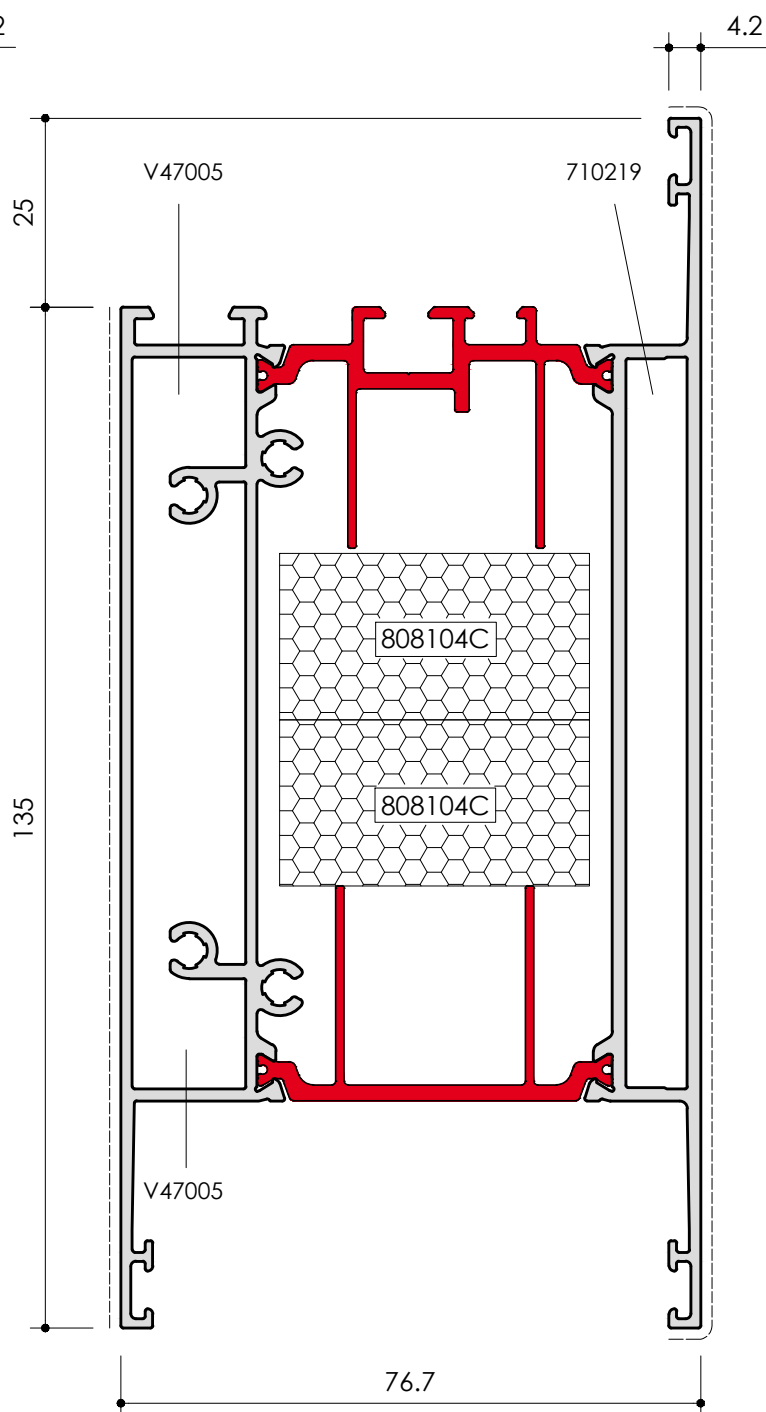
PROFILI AGGIUNTIVI



U28604

Peso	3.45	kg/m			
Ox Sup.	278	mm	Perim tot.	679	mm
Jx	83.19	cm ⁴	Wx	20.27	cm ³
Jy	170.95	cm ⁴	Wy	21.37	cm ³

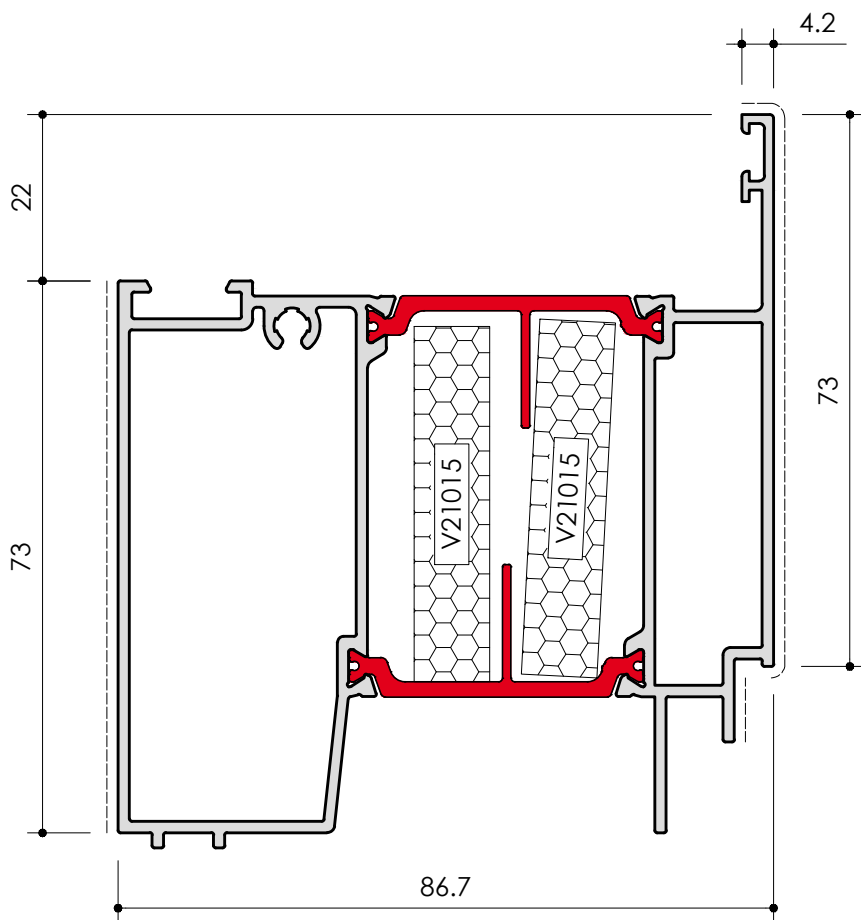
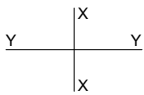
L [m] 6.8



U28630

Peso	3.49	kg/m			
Ox Sup.	307	mm	Perim tot.	677	mm
Jx	88.07	cm ⁴	Wx	22.15	cm ³
Jy	188.47	cm ⁴	Wy	22.96	cm ³

L [m] 6.8



U28631

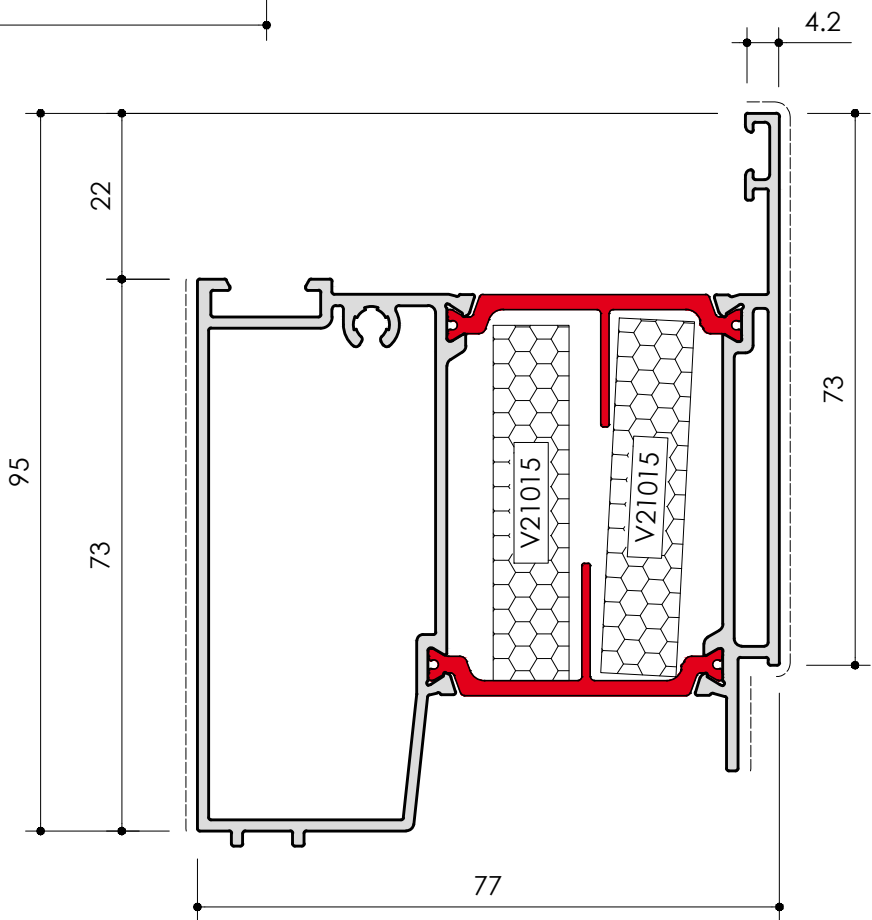
Peso	2.13	kg/m		
Ox Sup.	150	mm	Perim tot.	475 mm
Jx	57.13	cm ⁴	Wx	12.63 cm ³
Jy	46.44	cm ⁴	Wy	8.85 cm ³

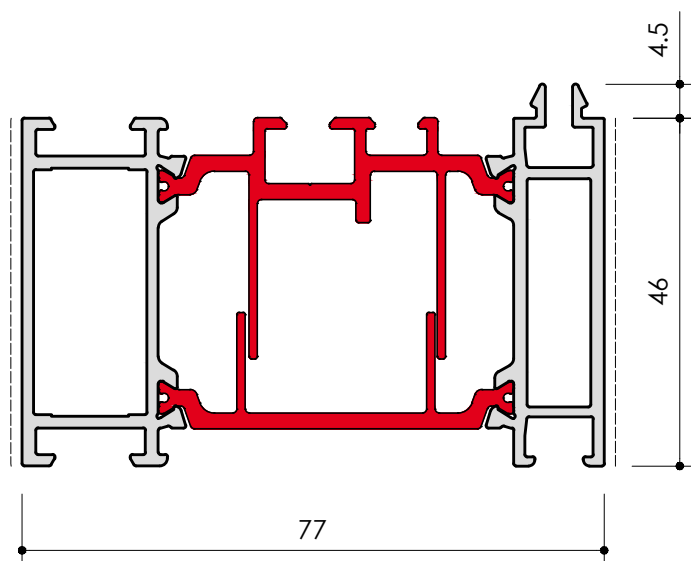
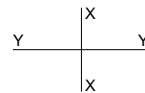
L [m] 6.8

U28632

Peso	1.98	kg/m		
Ox Sup.	151	mm	Perim tot.	424 mm
Jx	44.47	cm ⁴	Wx	10.91 cm ³
Jy	42.20	cm ⁴	Wy	8.24 cm ³

L [m] 6.8

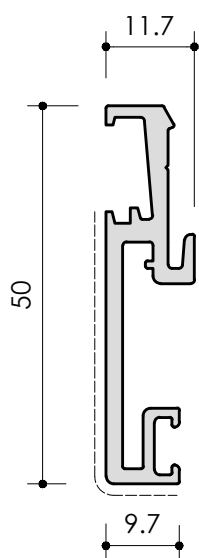




U28606

Peso	1.68	kg/m			
Ox Sup.	92	mm	Perim tot.	426	mm
Jx	36.38	cm ⁴	Wx	9.11	cm ³
Jy	11.39	cm ⁴	Wy	4.26	cm ³

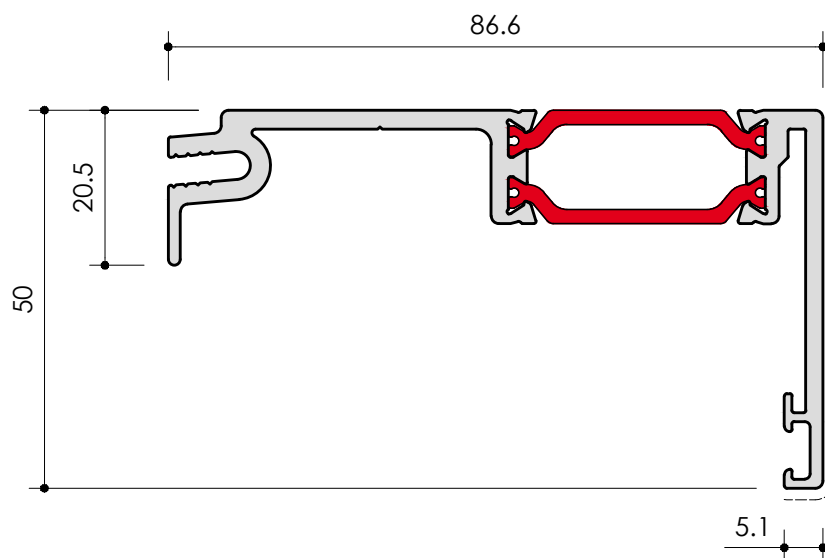
L [m] 6.8



K1498

Peso	0.57	kg/m			
Ox Sup.	45	mm	Perim tot.	201	mm

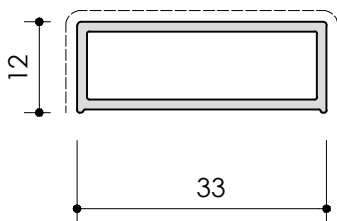
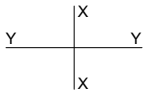
L [m] 6.8



U47601

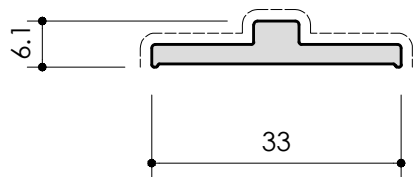
Peso	1.40	kg/m			
Ox Sup.	55	mm	Perim tot.	395	mm
Jx	36.83	cm ⁴	Wx	7.27	cm ³
Jy	7.01	cm ⁴	Wy	1.81	cm ³

L [m] 6.8



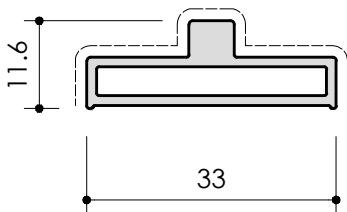
N43923

Peso	0.296	kg/m			
Ox Sup.	57	mm	Perim tot.	90	mm
L[m]	6.8				



N43924

Peso	0.283	kg/m			
Ox Sup.	44	mm	Perim tot.	77	mm
L[m]	6.8				

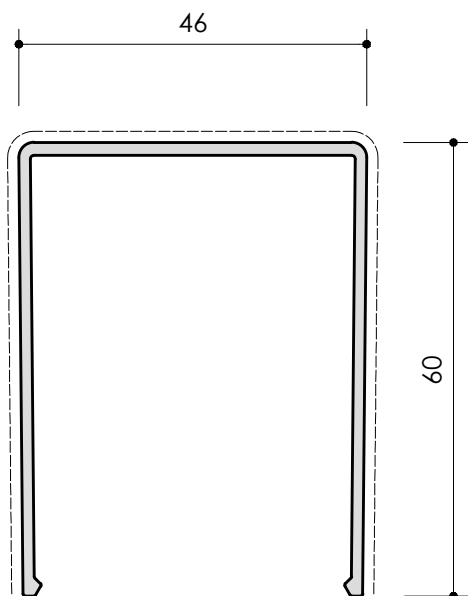
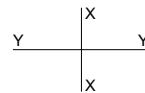


N43926

Peso	0.35	kg/m			
Ox Sup.	55	mm	Perim tot.	88	mm
L[m]	6.8				

UTILIZZABILE SOLO ALL'INTERNO

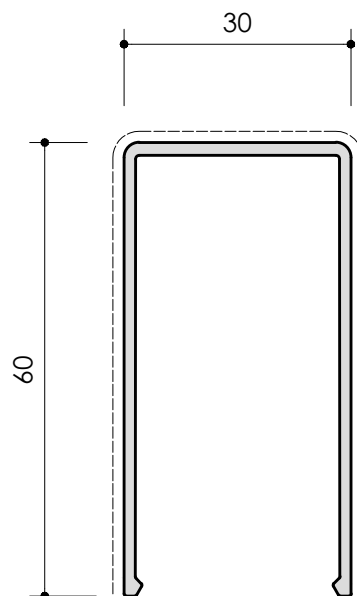
PROFILI COMPLEMENTARI



K1453

Peso	0.72	kg/m			
Ox Sup.	165	mm	Perim tot.	327	mm

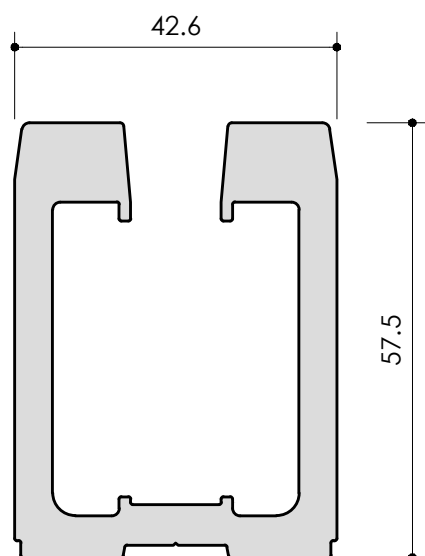
L[m] 6.8



K1460

Peso	0.64	kg/m			
Ox Sup.	149	mm	Perim tot.	295	mm

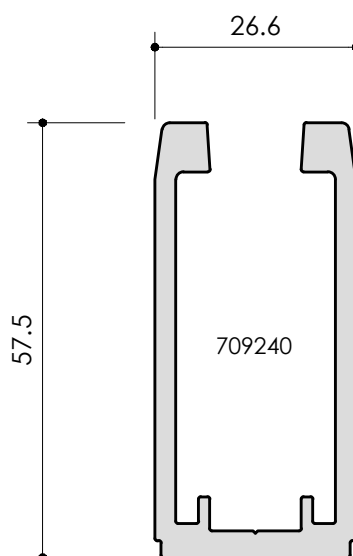
L[m] 6.8



K1452

Peso	2.74	kg/m			
Ox Sup.	-	mm	Perim tot.	354	mm
Jx	38.92	cm ⁴	Wx	13.53	cm ³
Jy	24.63	cm ⁴	Wy	11.57	cm ³

L [m] 6.8
Ox. Argento

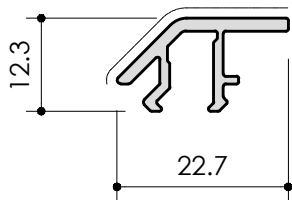


K1459

Peso	1.29	kg/m			
Ox Sup.	-	mm	Perim tot.	302	mm
Jx	17.72	cm ⁴	Wx	5.67	cm ³
Jy	5.11	cm ⁴	Wy	3.85	cm ³

L [m] 6.8
Ox. Argento

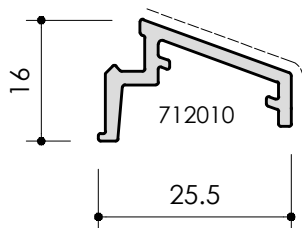
➤ PROFILI COMPLEMENTARI



N20902

Peso	0.20	kg/m			
Ox Sup.	27	mm	Perim tot.	97	mm

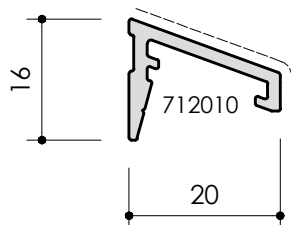
L[m] 6.8



K1478

Peso	0.25	kg/m			
Ox Sup.	28	mm	Perim tot.	100	mm

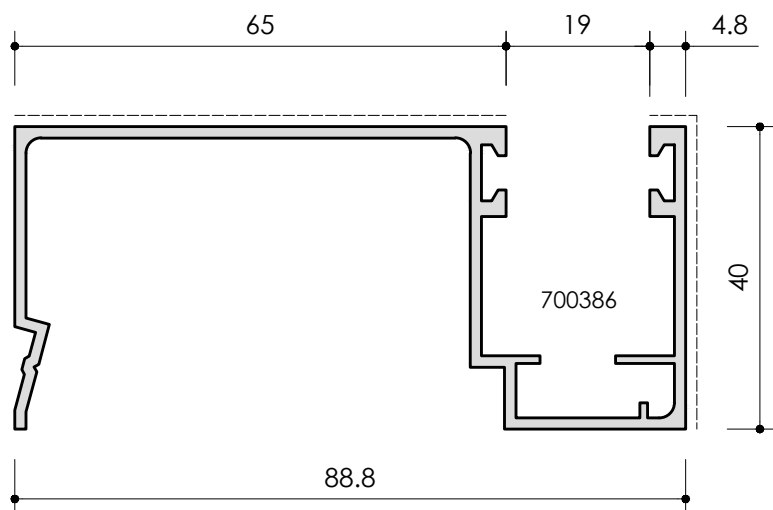
L[m] 6.8



K50

Peso	0.21	kg/m			
Ox Sup.	25	mm	Perim tot.	85	mm

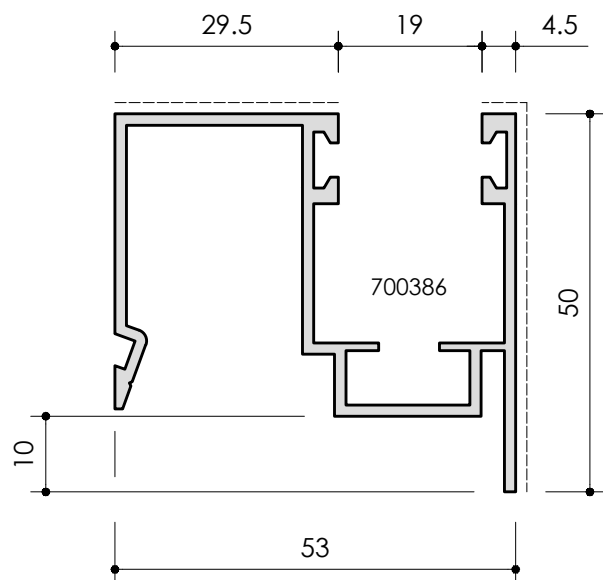
L[m] 6.8



K22

Peso	1.03	kg/m			
Ox Sup.	110	mm	Perim tot.	477	mm

L[m] 6.8



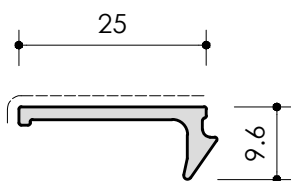
K44

Peso	0.86	kg/m			
Ox Sup.	85	mm	Perim tot.	432	mm

L[m] 6.8

► PROFILI COMPLEMENTARI

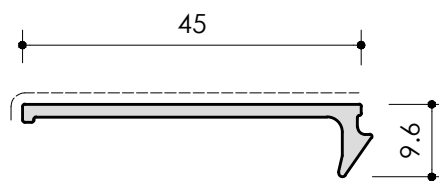
▲ Articolo in esaurimento - Until stock is finished



K1491

Peso	0.18	kg/m			
Ox Sup.	26	mm	Perim tot.	69	mm

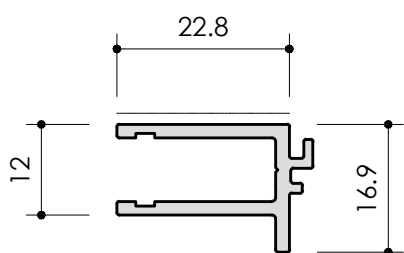
L[m] 6.8



K1493

Peso	0.27	kg/m			
Ox Sup.	46	mm	Perim tot.	109	mm

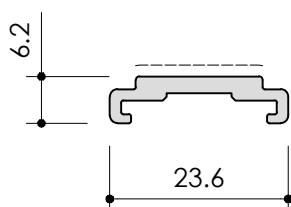
L[m] 6.8



N20901

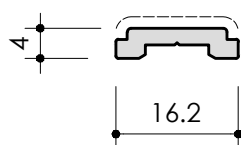
Peso	0.32	kg/m			
Ox Sup.	23	mm	Perim tot.	135	mm

L[m] 6.8



N48900

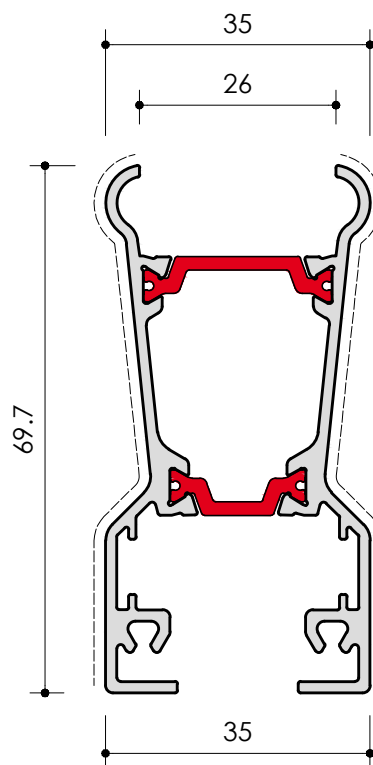
Peso	0.19	kg/m			
Ox Sup.	17	mm	Perim tot.	69	mm



N20900

Peso	0.13	kg/m			
Ox Sup.	14	mm	Perim tot.	42	mm

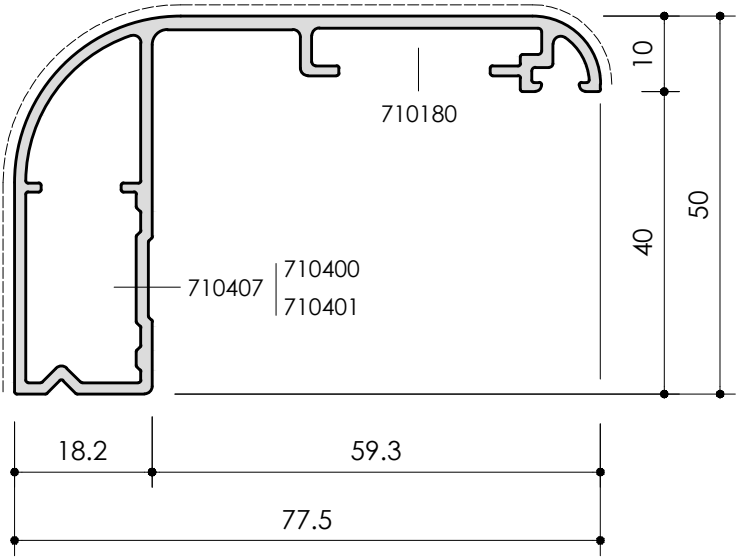
L[m] 6.8



▲ K1481

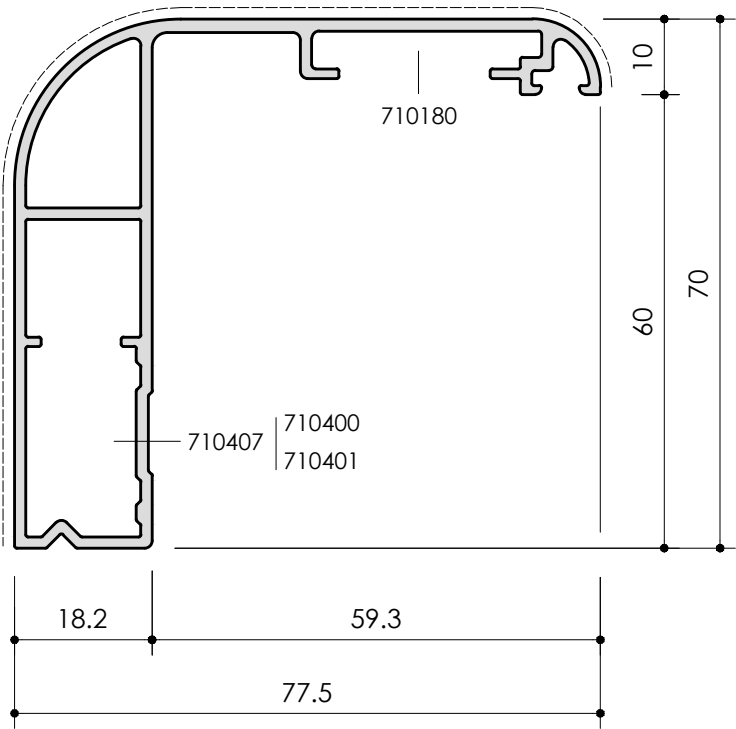
Peso	1.23	kg/m			
Ox Sup.	152	mm	Perim tot.	378	mm
Jx	5.19	cm ⁴	Wx	2.96	cm ³
Jy	14.43	cm ⁴	Wy	3.55	cm ³

L [m] 6.8



K702

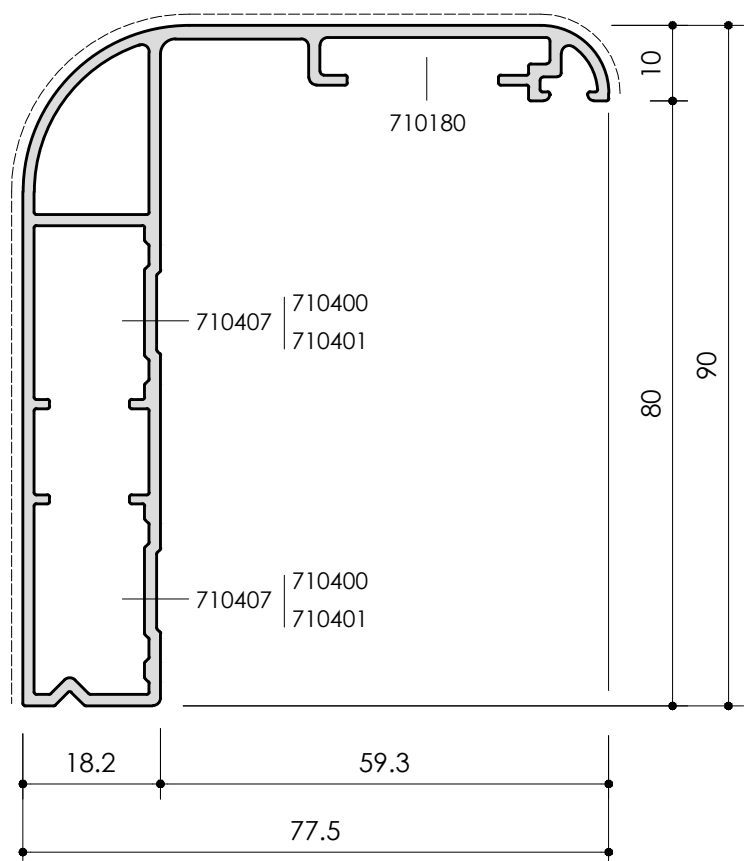
Peso	0.96	kg/m			
Ox Sup.	123	mm	Perim tot.	304	mm
L[m]	6.8				



K703

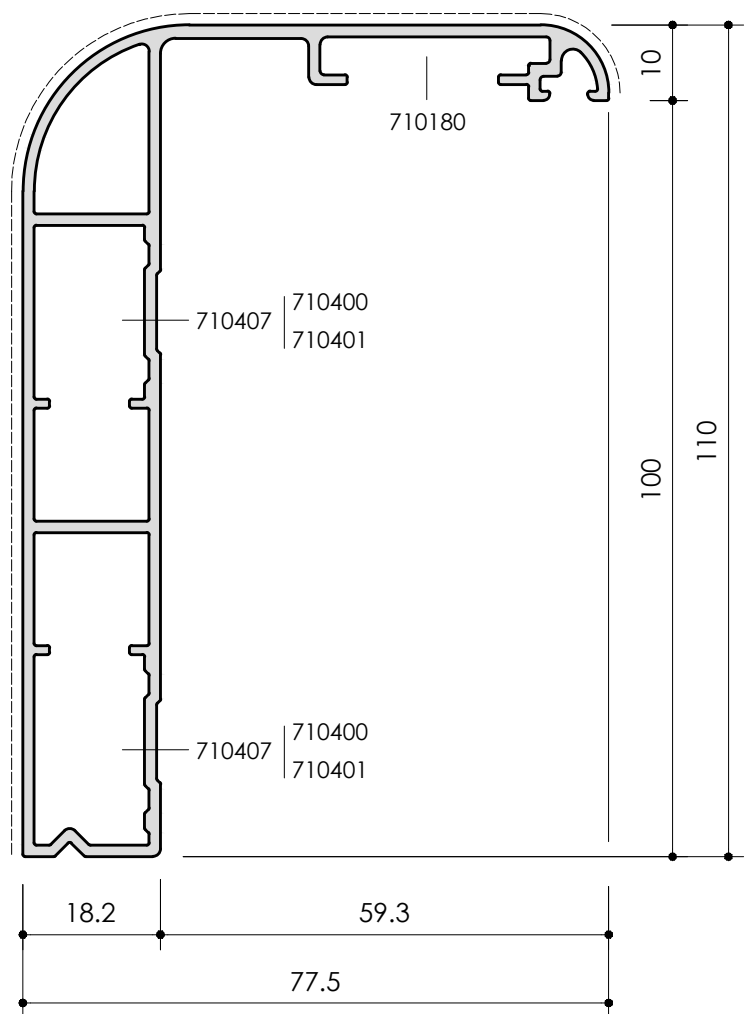
Peso	1.20	kg/m			
Ox Sup.	143	mm	Perim tot.	344	mm
L[m]	6.8				

➤ PROFILI IMBOTTE



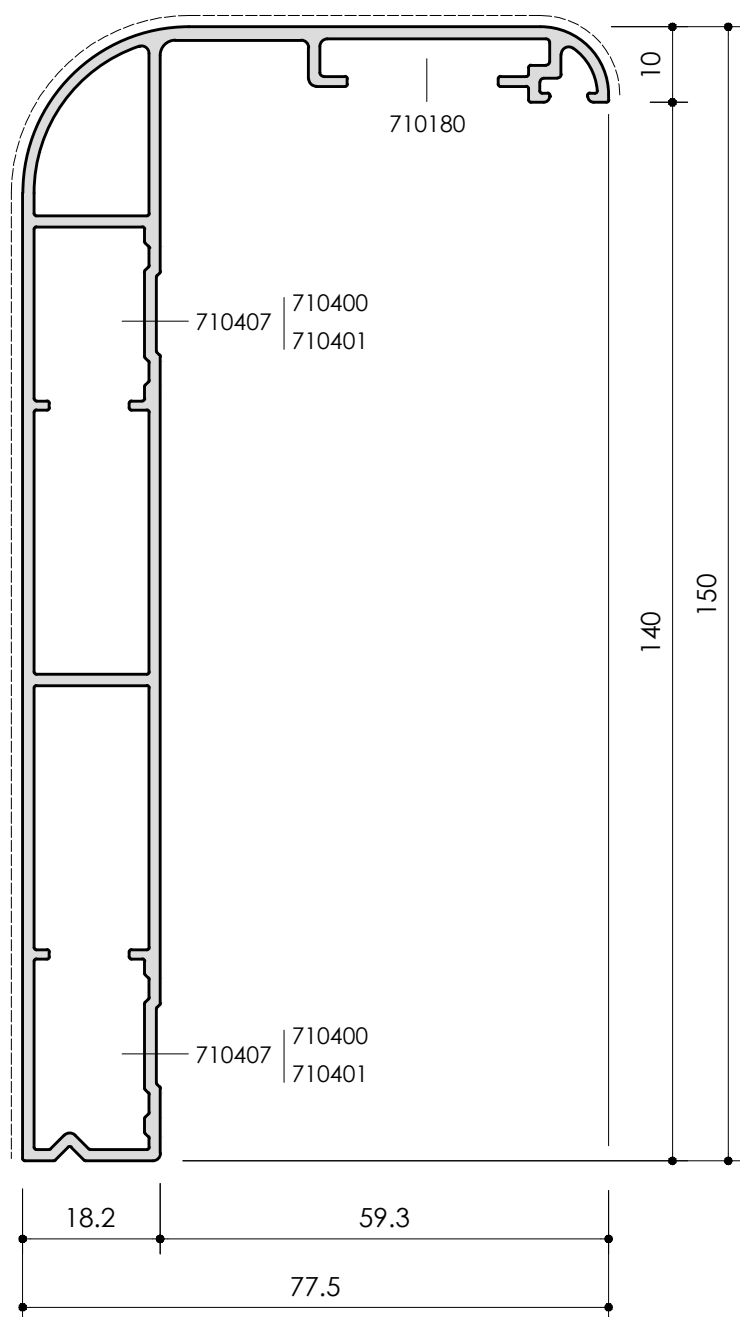
K704

Peso	1.40	kg/m			
Ox Sup.	163	mm	Perim tot.	385	mm
L[m]	6.8				



K705

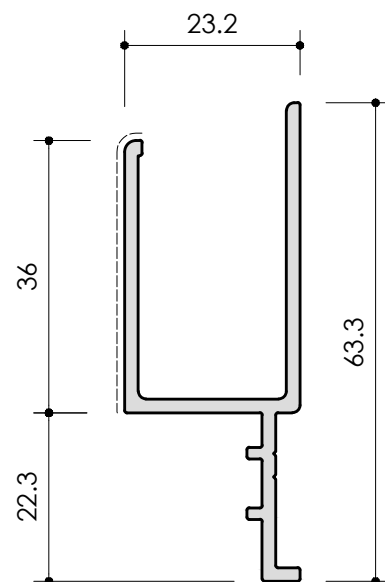
Peso	1.64	kg/m			
Ox Sup.	183	mm	Perim tot.	425	mm
L[m]	6.8				



K706

Peso	1.98	kg/m			
Ox Sup.	223	mm	Perim tot.	505	mm

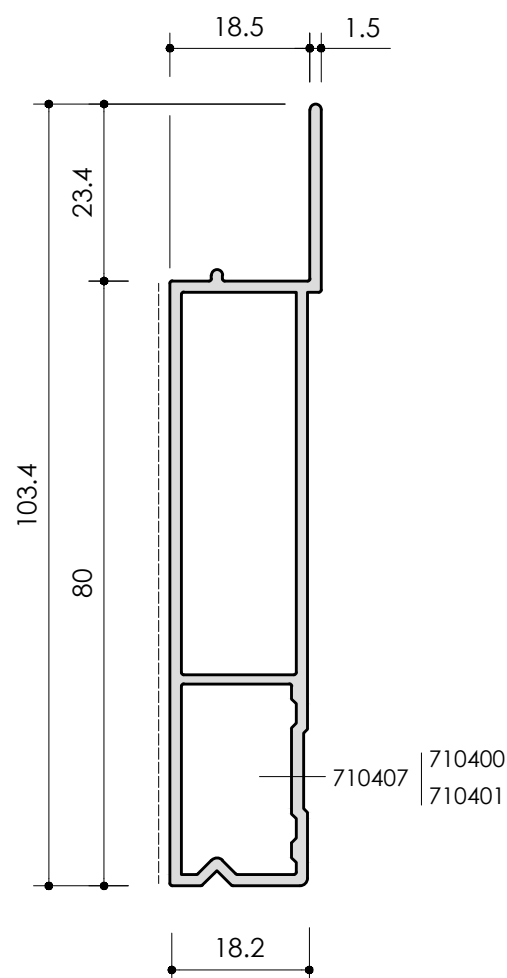
L[m] 6.8



K708

Peso	0.64	kg/m			
Ox Sup.	39	mm	Perim tot.	253	mm

L[m] 6.8

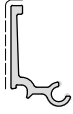
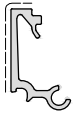
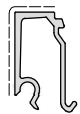
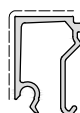
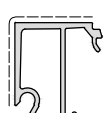
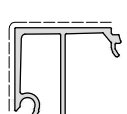
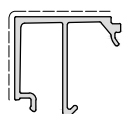
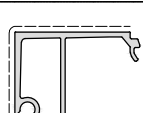
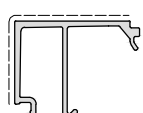
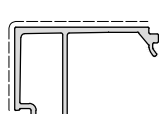
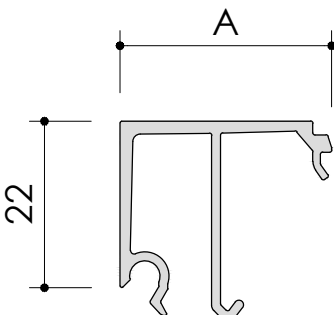


K707

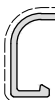
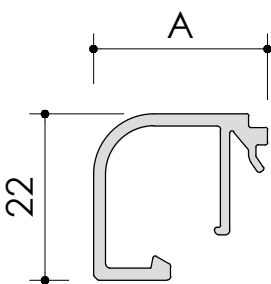
Peso	0.99	kg/m			
Ox Sup.	80	mm	Perim tot.	249	mm

L[m] 6.8

PROFILI FERMAVETRO

A	SQUADRATI SQUARED	TUBOLARI TUBULAR	SQUADRATI SQUARED
3		 N99863 Kg/m 0.21	
8		 N99864 Kg/m 0.26	
13	 N48821 Kg/m 0.28		
18	 N48822 Kg/m 0.31		
23	 N48823 Kg/m 0.34		
28	 N48824 Kg/m 0.36		 ▲ N99825 Kg/m 0.36
33	 N48825 Kg/m 0.38		 ▲ N99827 Kg/m 0.37
38	 N48826 Kg/m 0.40		 ▲ N99828 Kg/m 0.39
43	 N48827 Kg/m 0.42		
			
	▲ Articolo in esaurimento Until stock is finished		

PROFILI FERMAVETRO

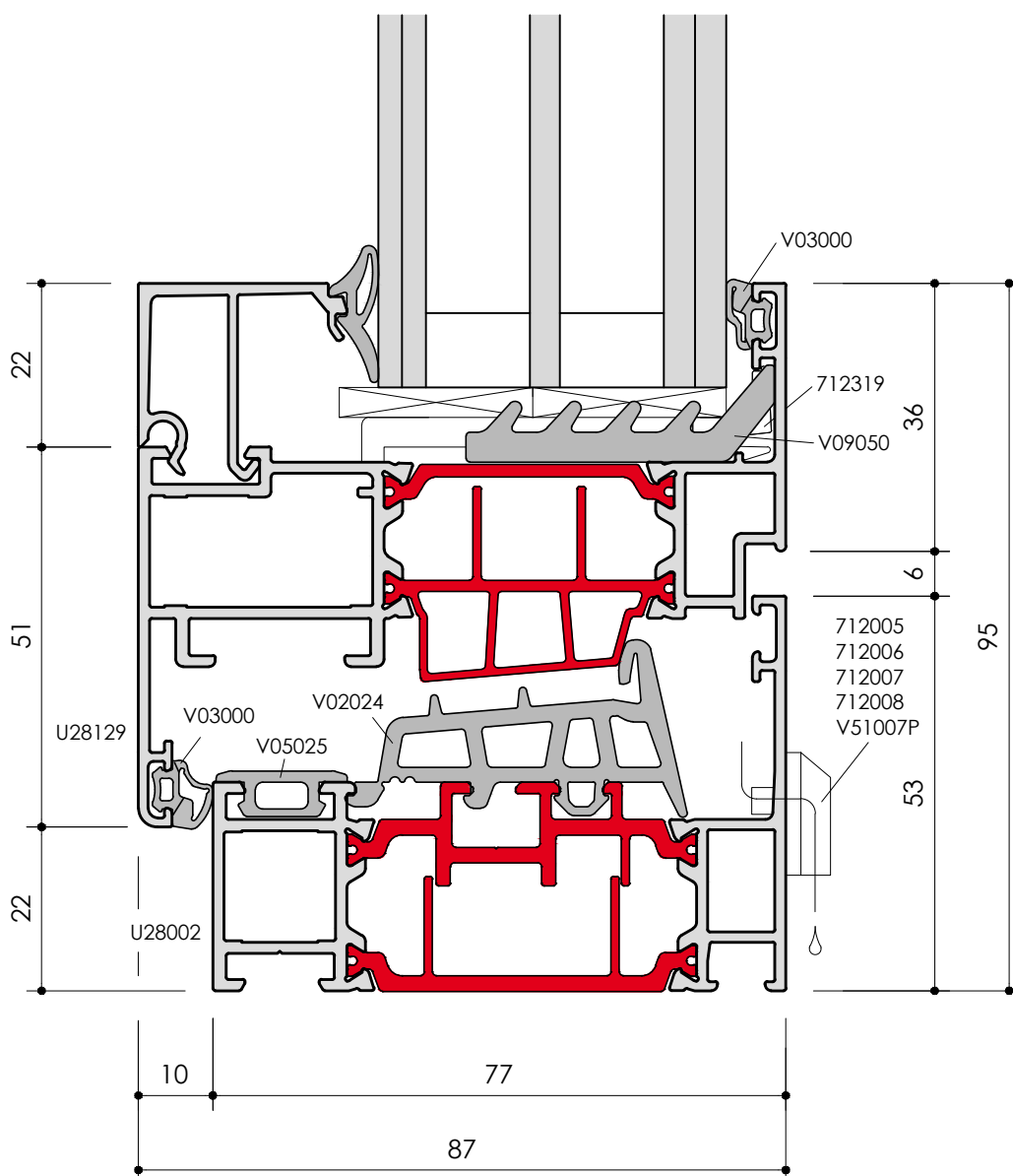
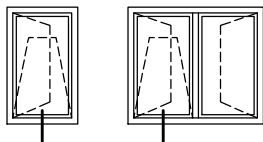
A	STONDATI RADIAL	INCLINATI INCLINED	
6.2			N43888 Kg/m 0.20
13	 N43880 Kg/m 0.21		
18	 N43881 Kg/m 0.27		
22.2			N43887 Kg/m 0.34
23	 N43882 Kg/m 0.31		
26.2			N43886 Kg/m 0.37
28	 N43883 Kg/m 0.33		
33	 N43884 Kg/m 0.35		
38	 N43885 Kg/m 0.37		
43			

Section 6

Nodi tipici

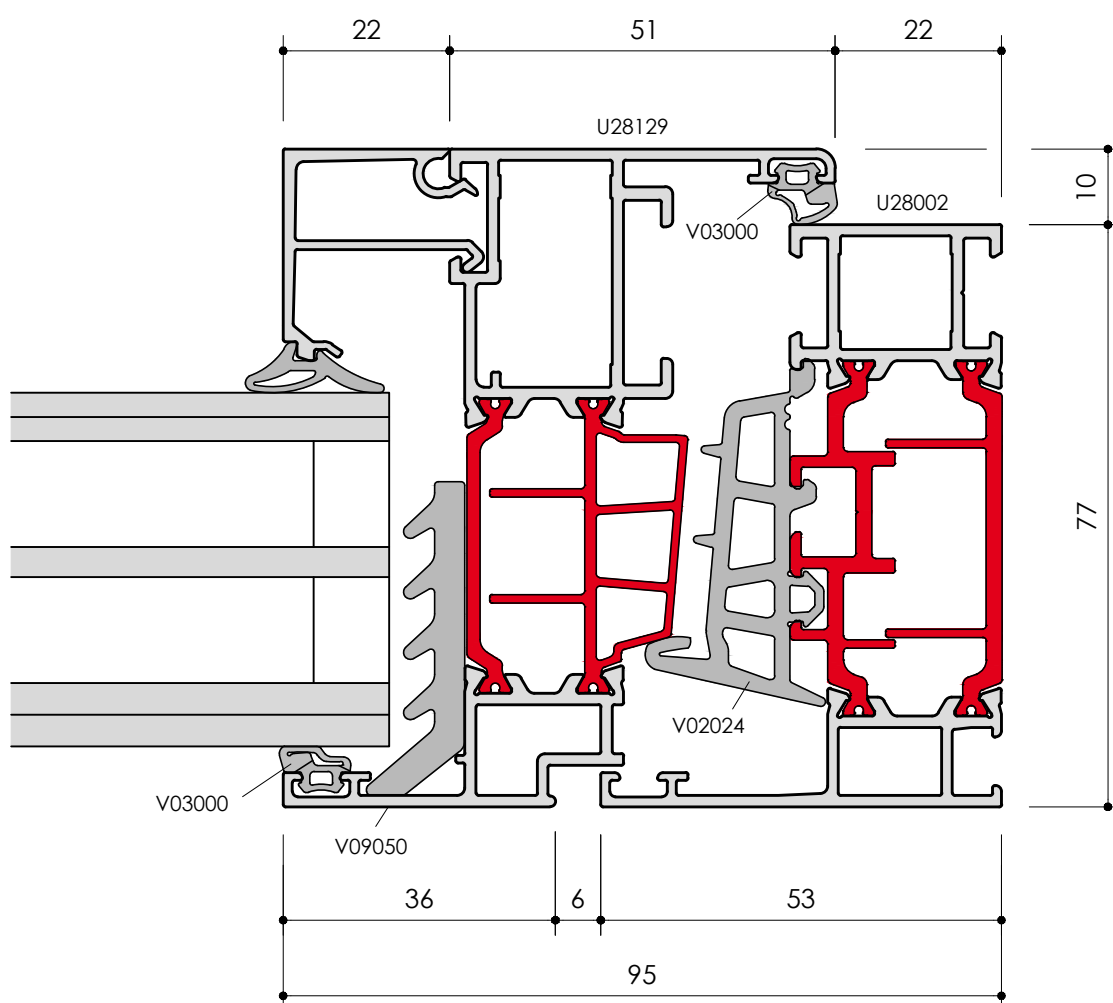
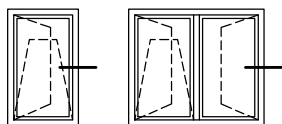
Typical detail

NODI TIPICI



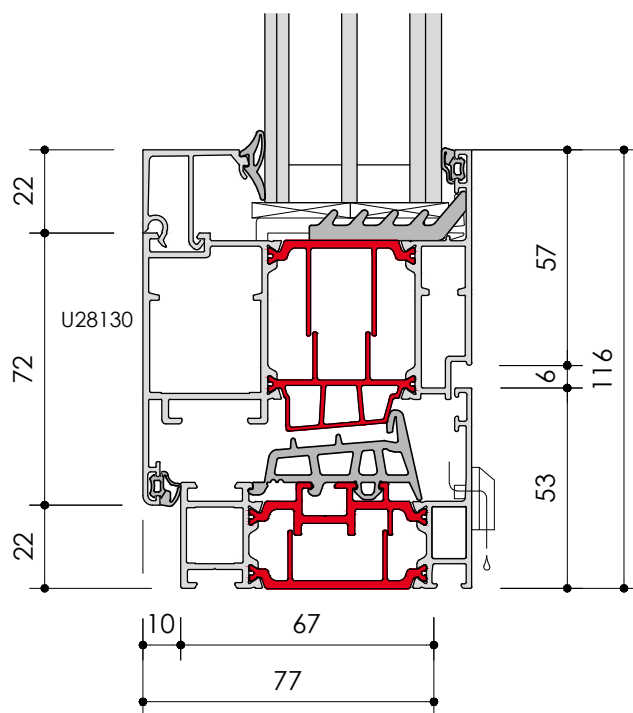
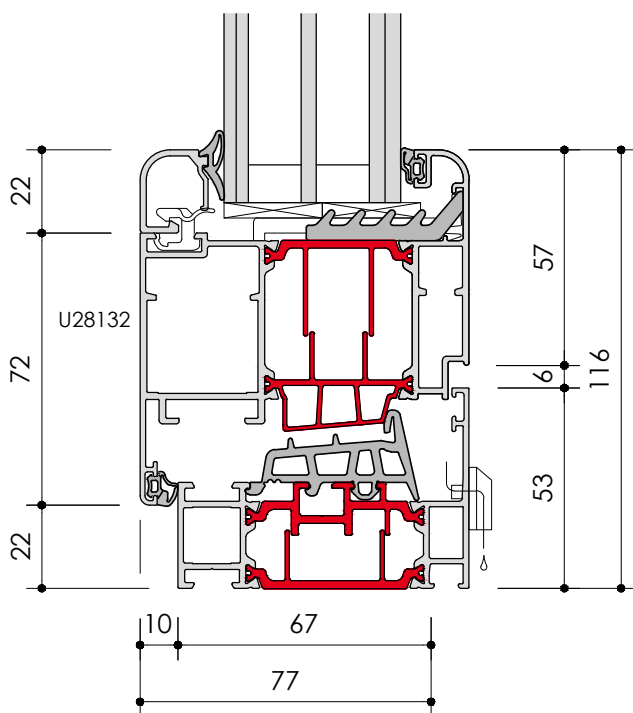
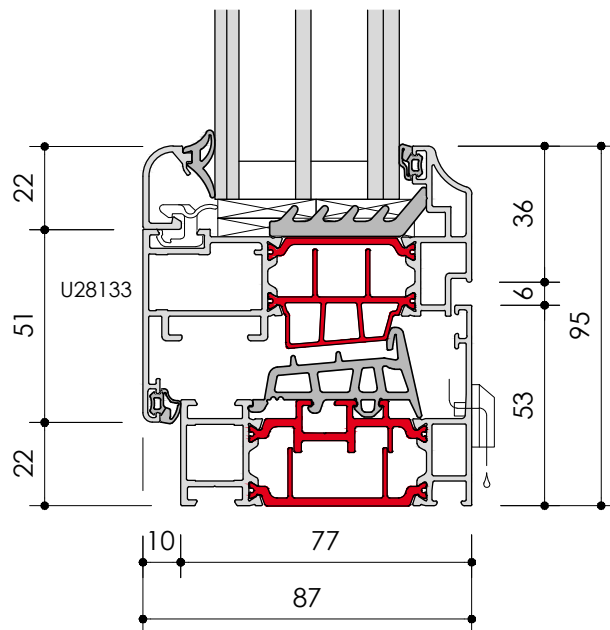
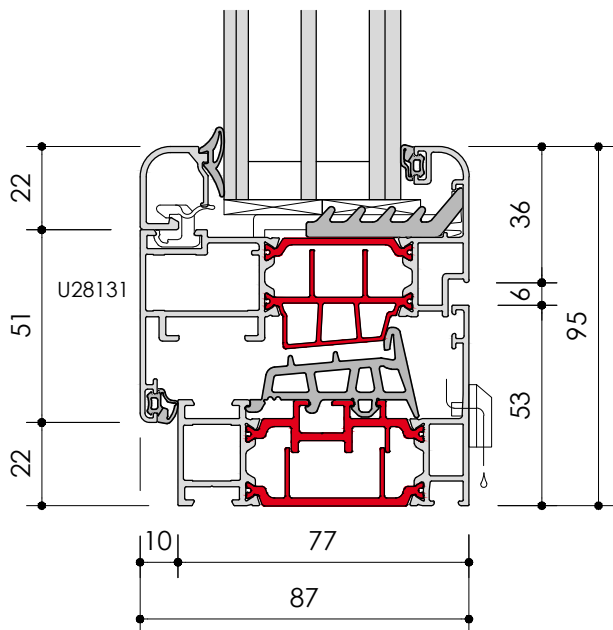
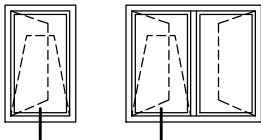
NODI TIPICI
TYPICAL DETAIL

► NODI TIPICI



NODI TIPICI

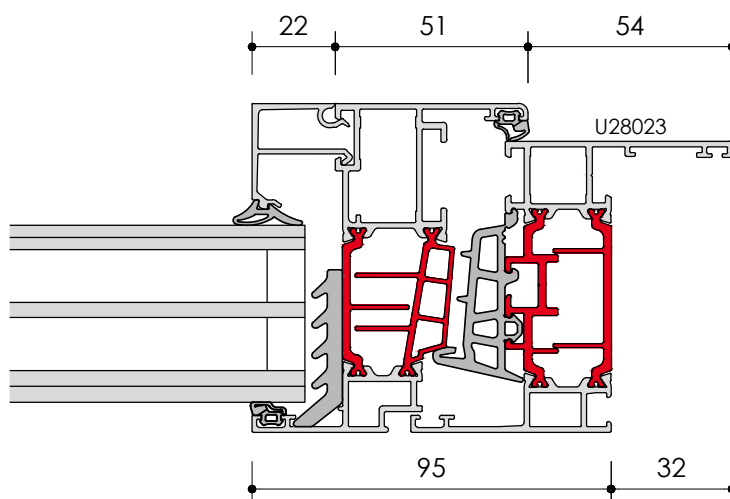
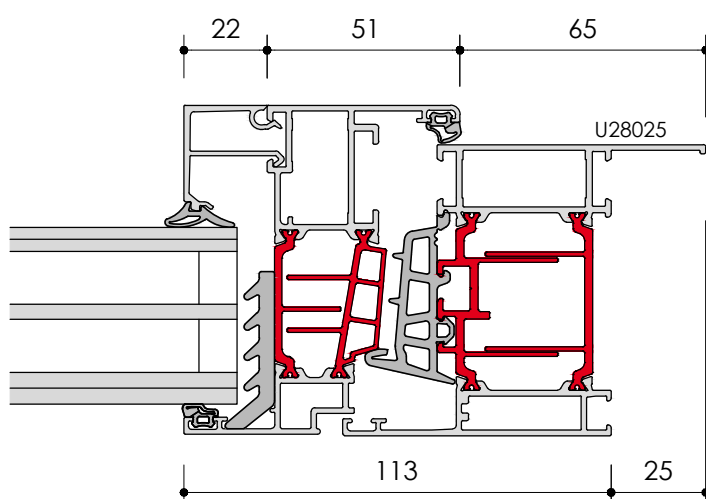
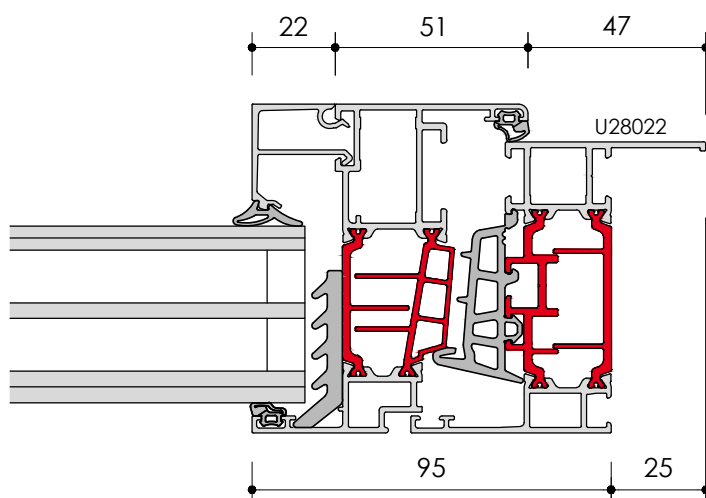
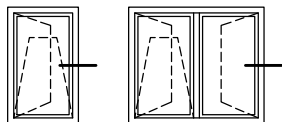
scala 1:2



NODI TIPICI
TYPICAL DETAIL

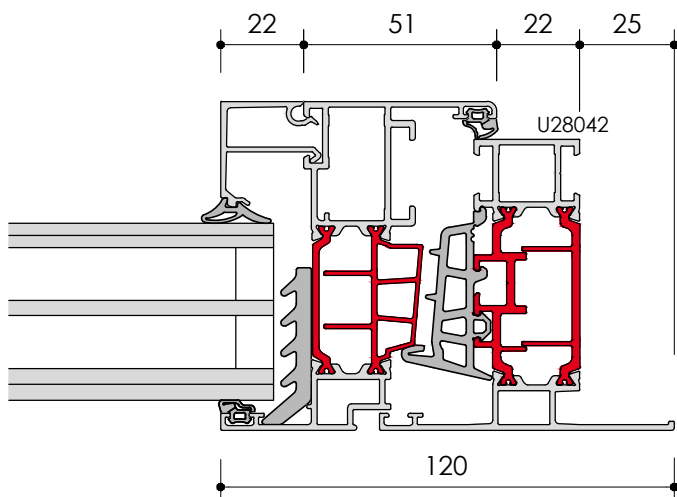
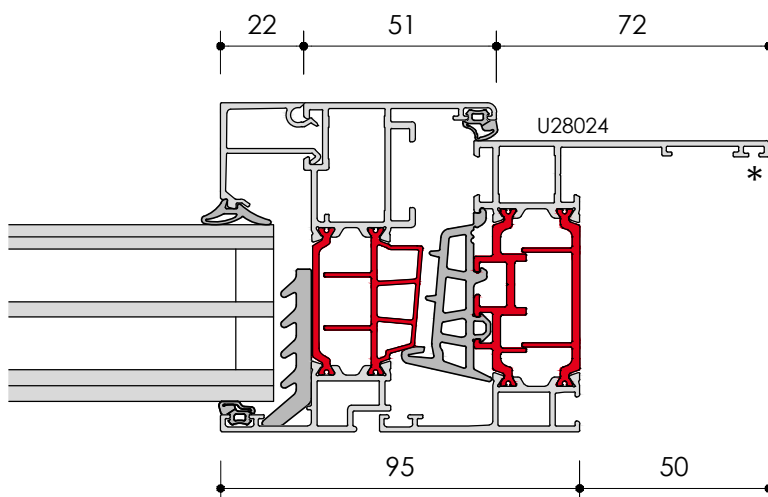
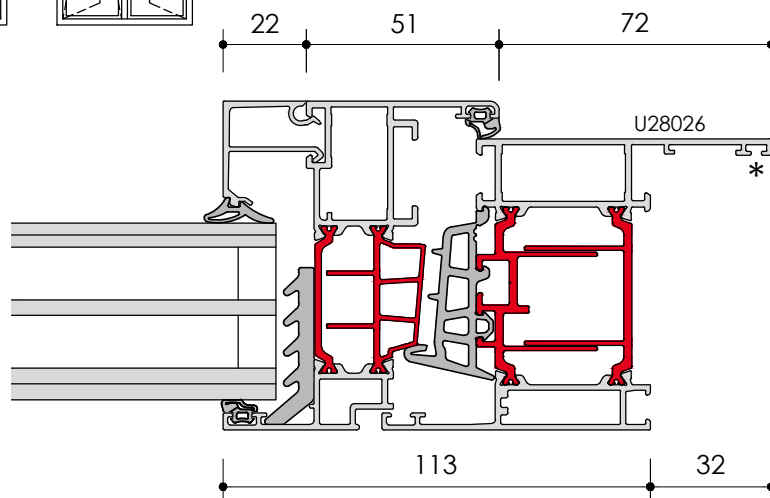
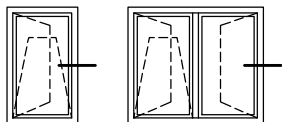
NODI TIPICI

scala 1:2

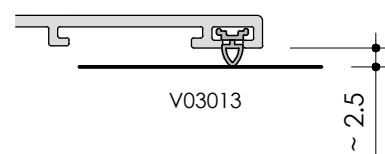
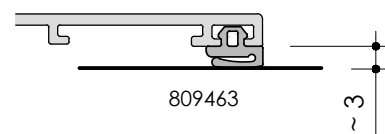
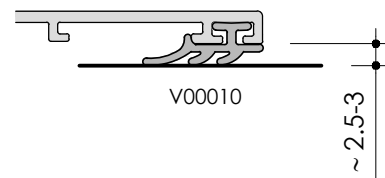


NODI TIPICI

scala 1:2



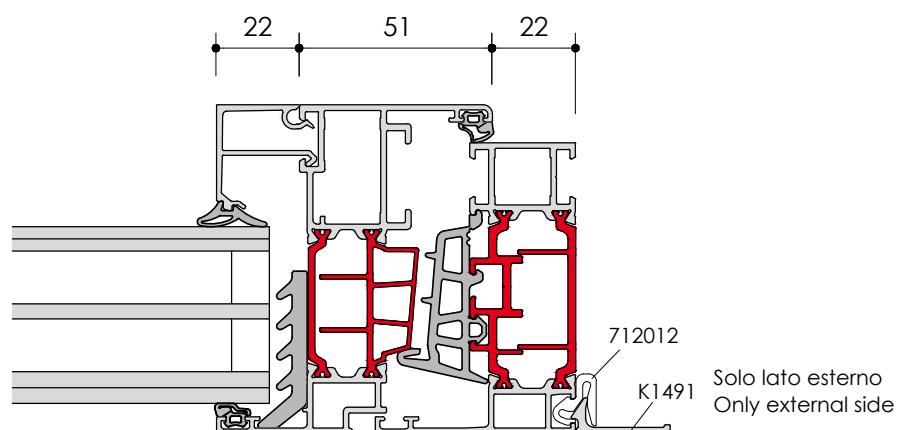
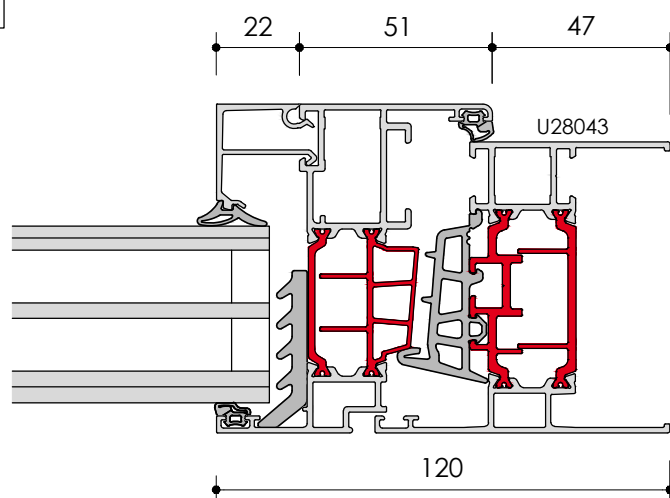
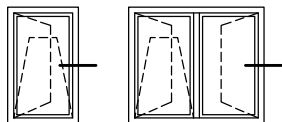
* E' POSSIBILE RIFINIRE CON:
IT'S POSSIBLE TO FINISH WITH:



NODI TIPICI
TYPICAL DETAIL

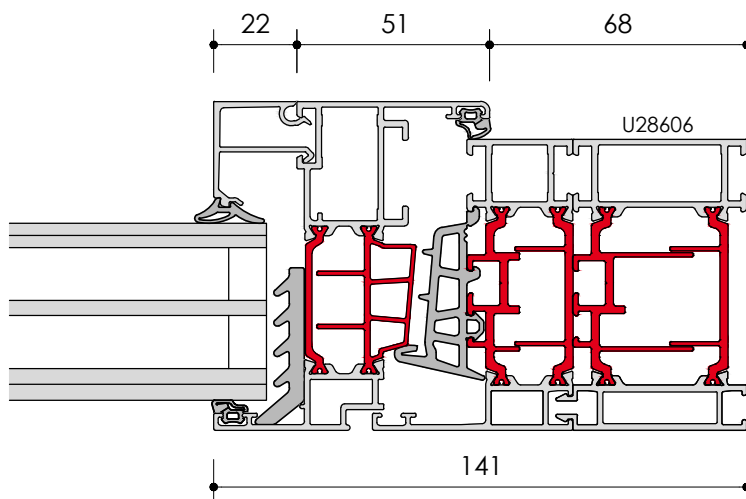
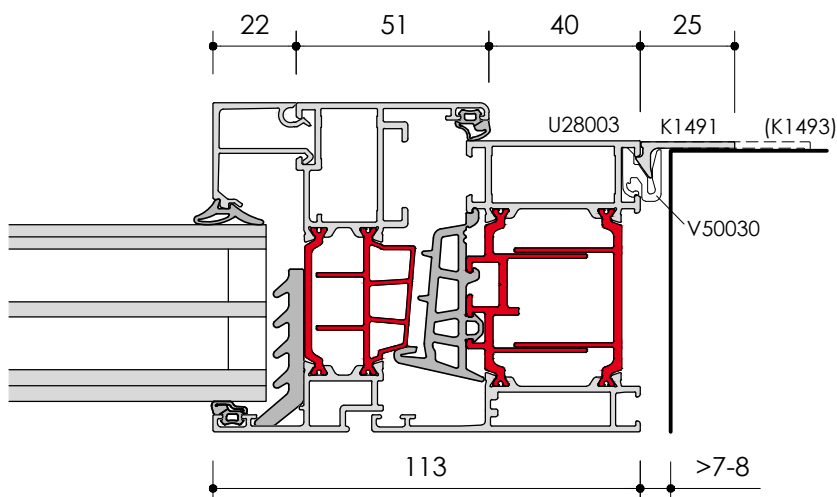
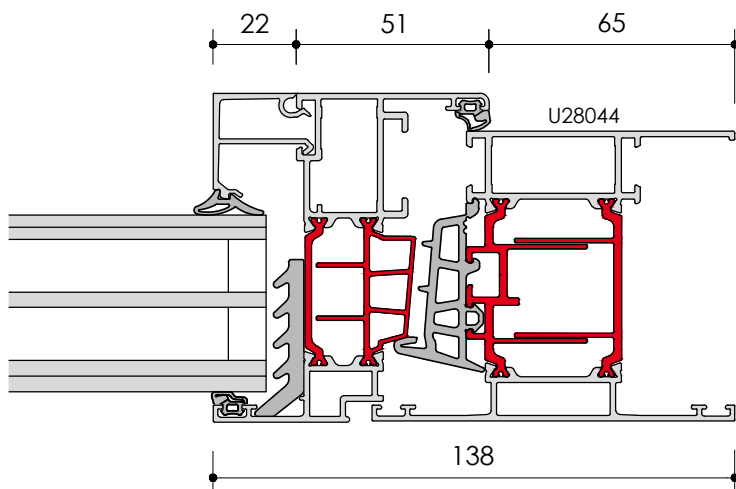
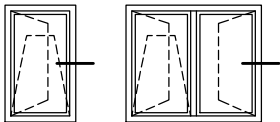
➤ NODI TIPICI

scala 1:2

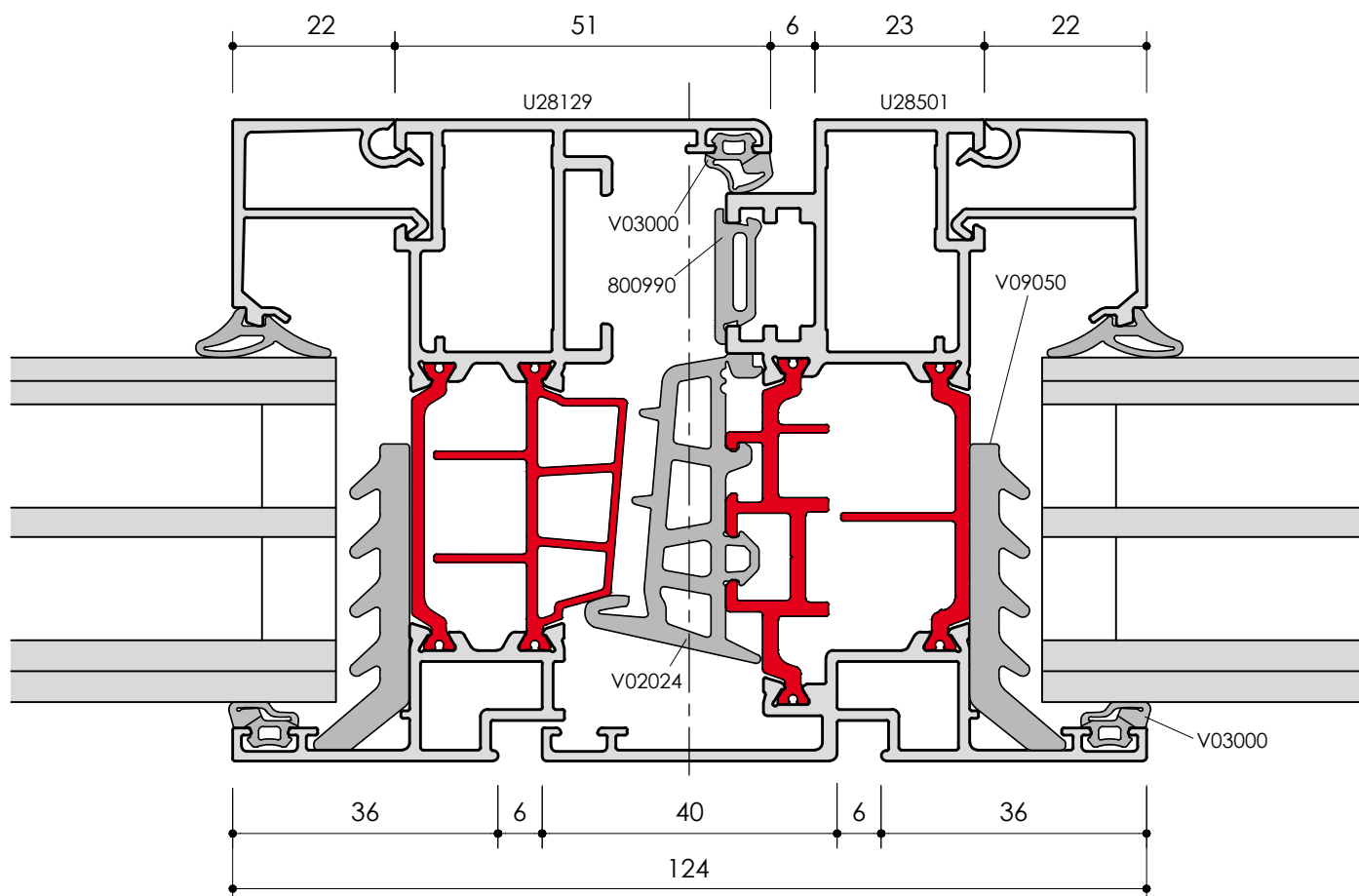
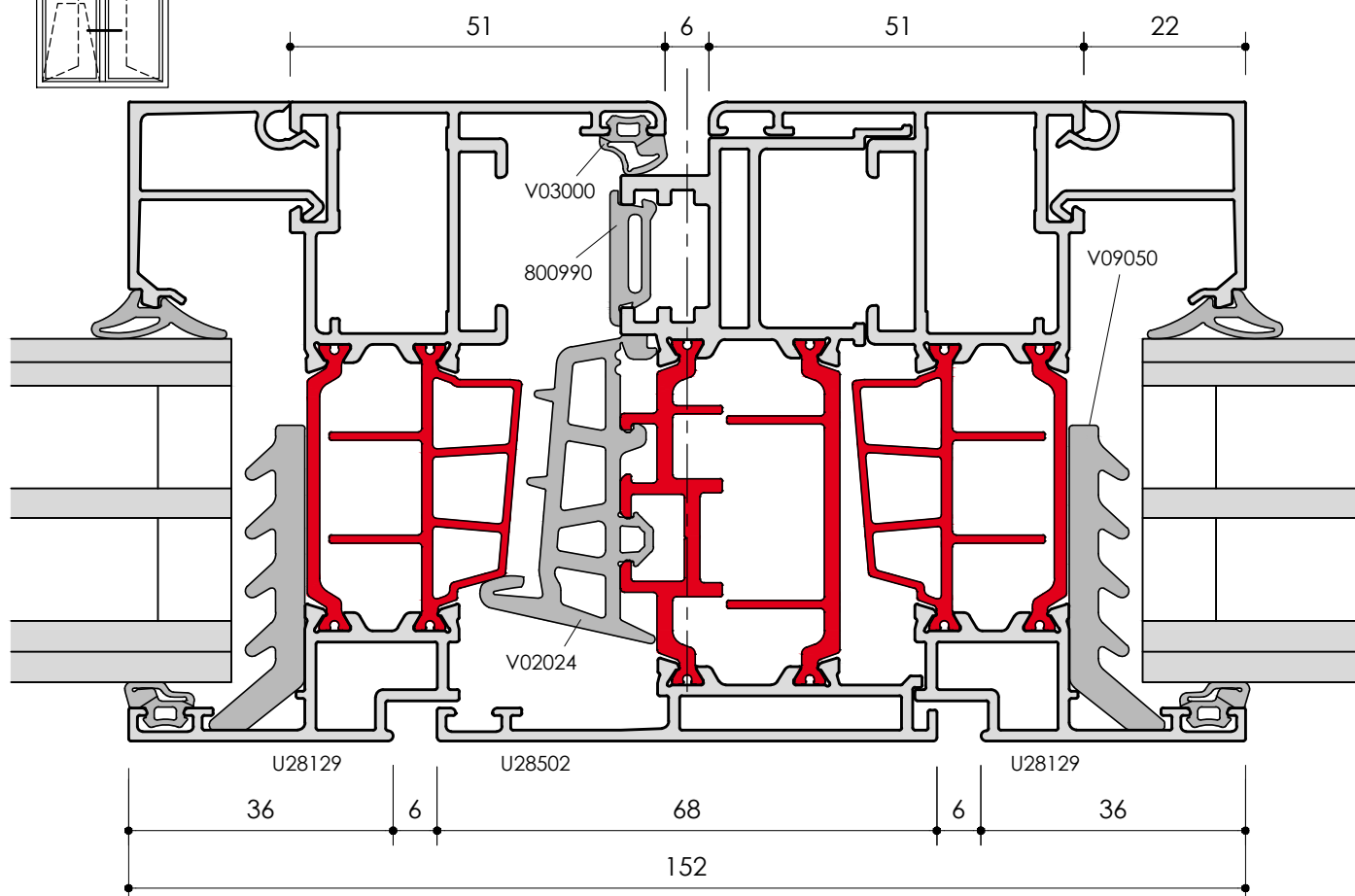
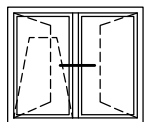


NODI TIPICI

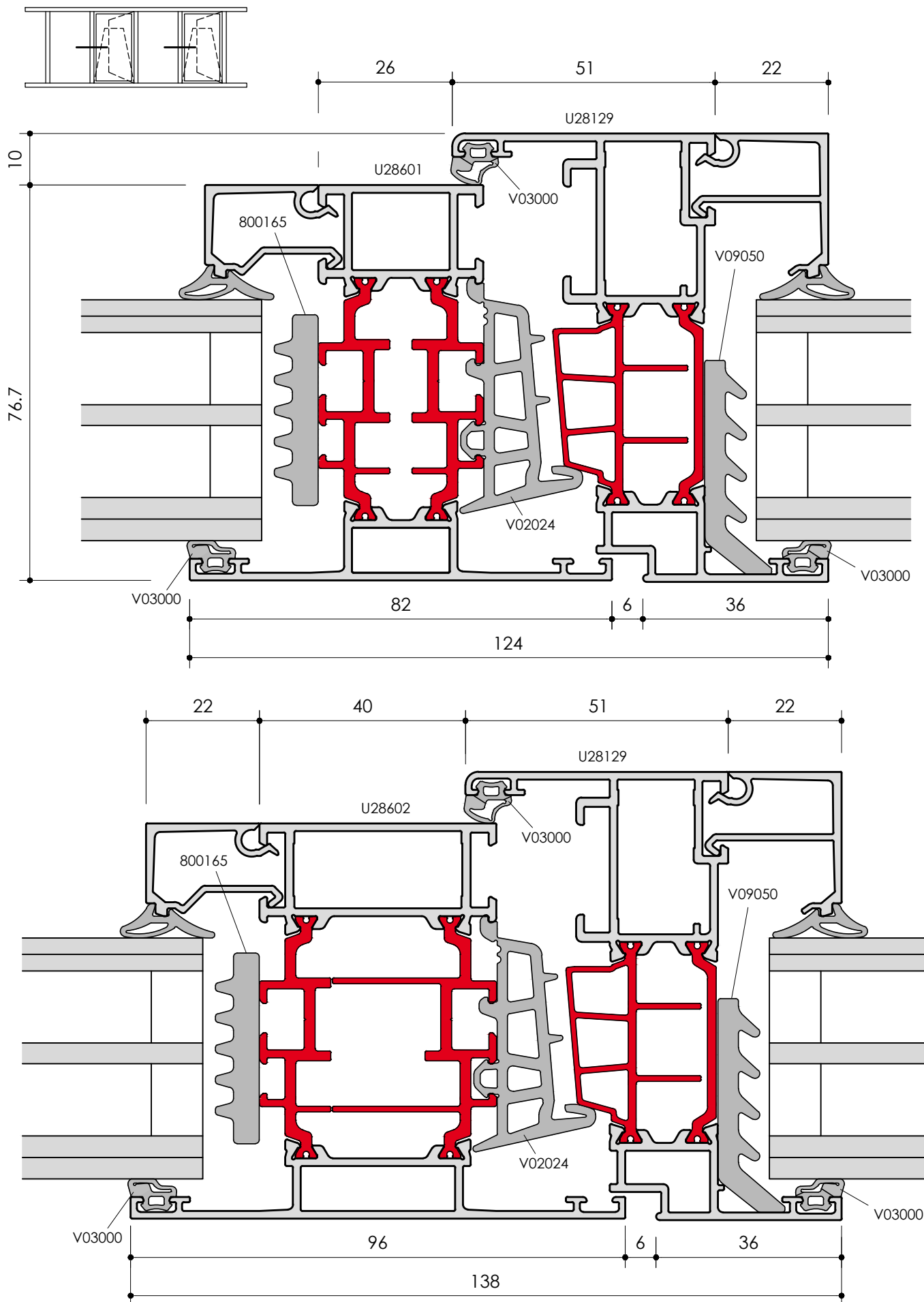
scala 1:2



➤ NODI TIPICI



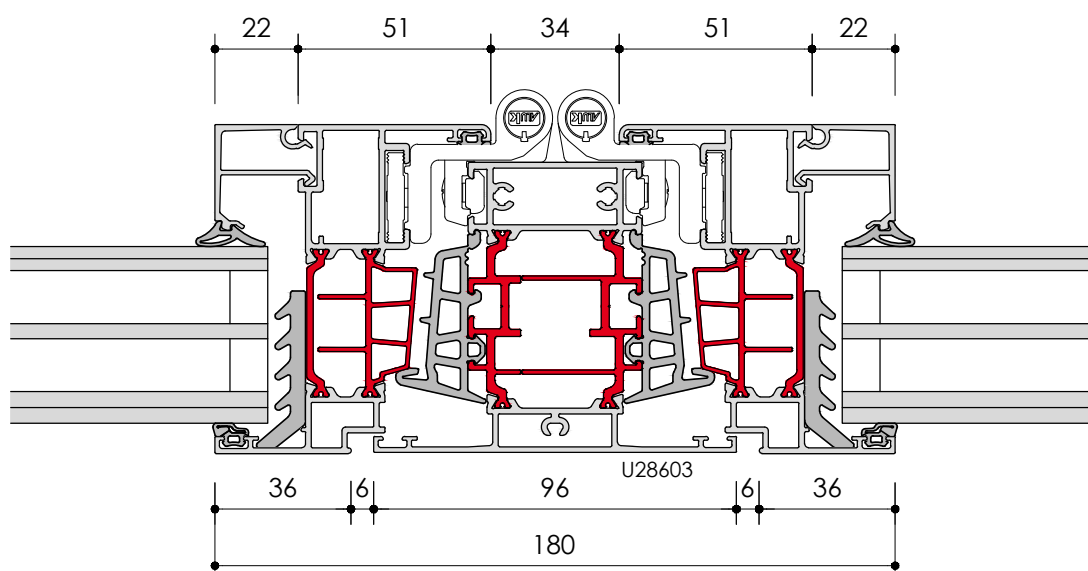
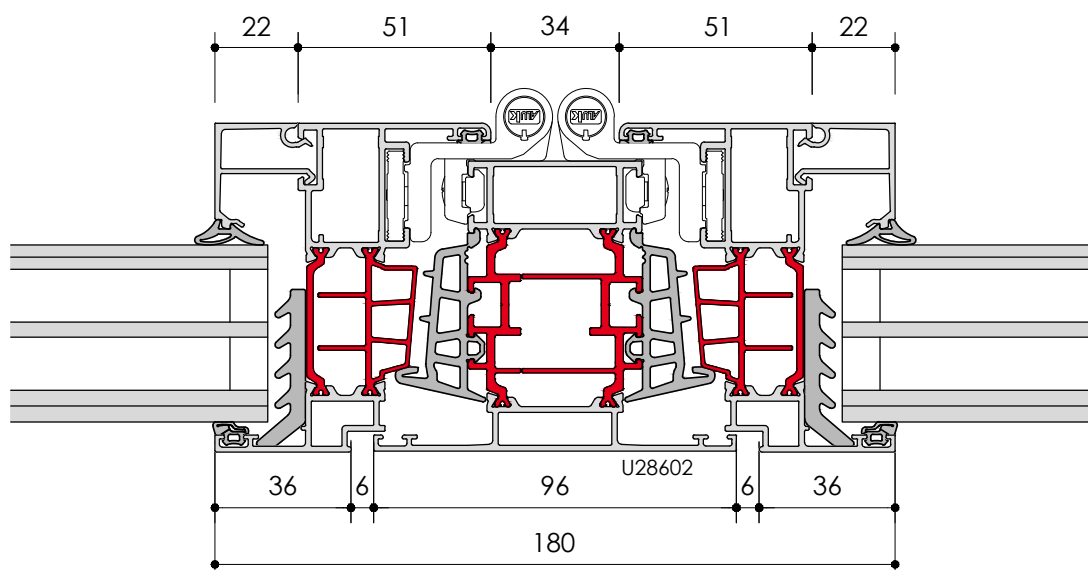
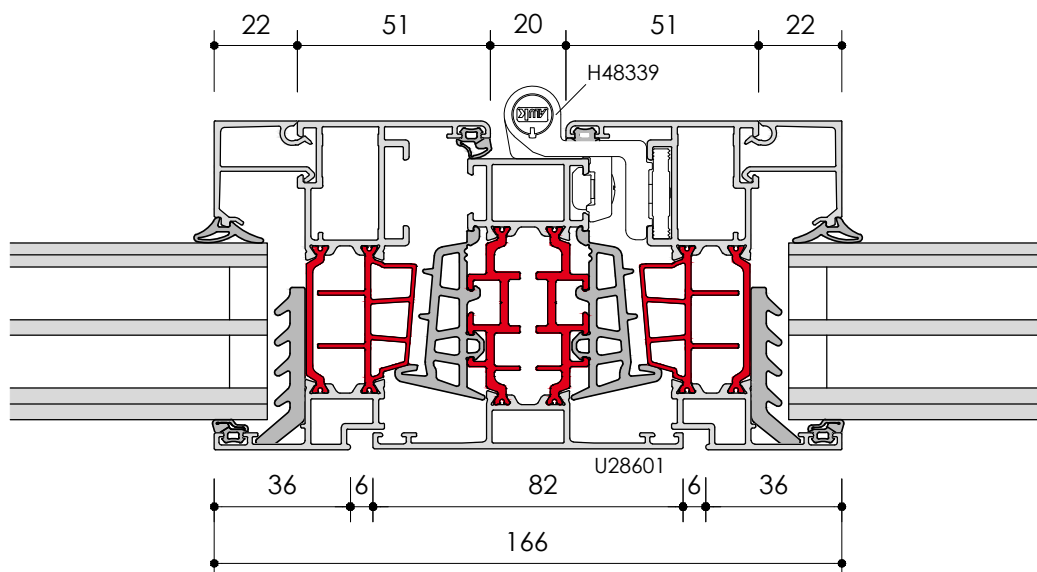
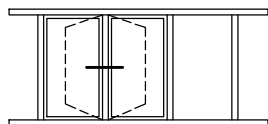
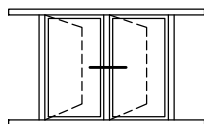
NODI TIPICI



NODI TIPICI
TYPICAL DETAIL

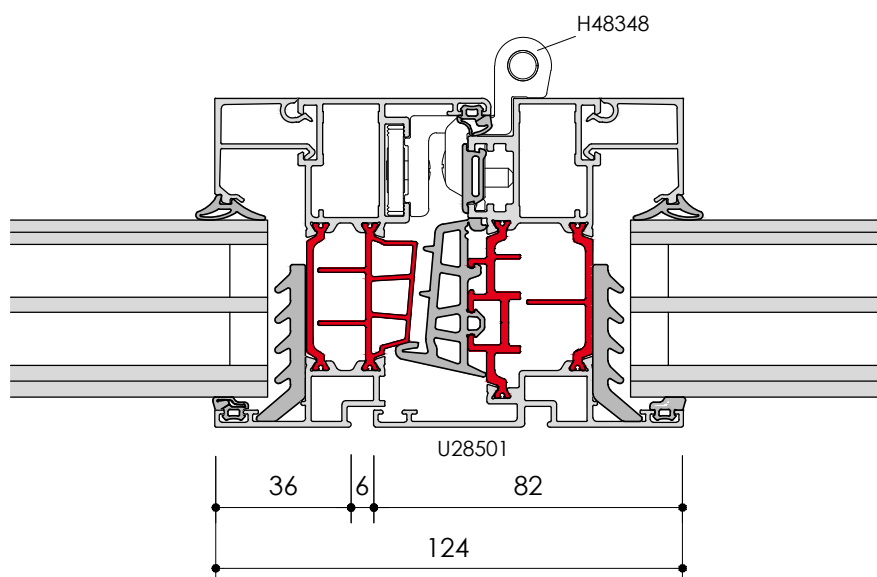
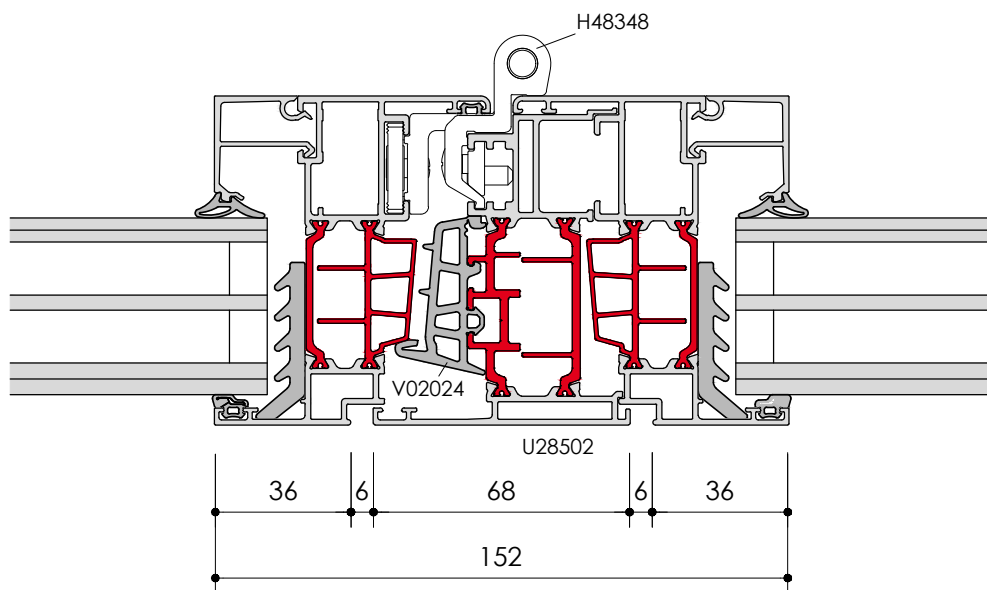
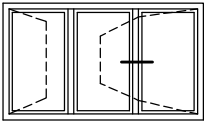
NODI TIPICI

scala 1:2



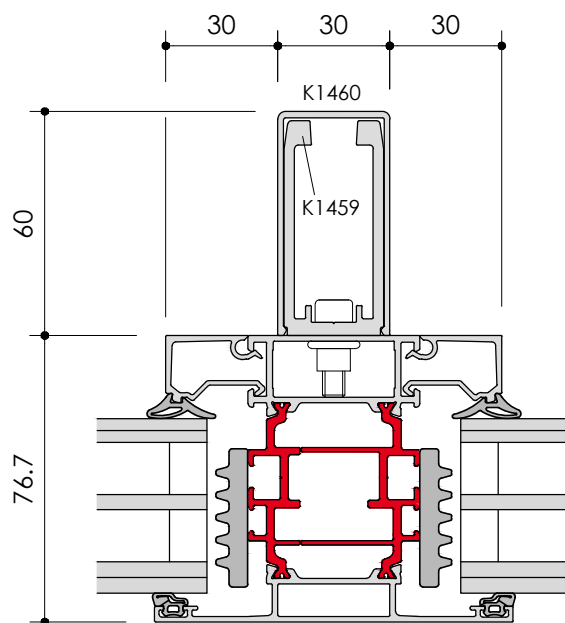
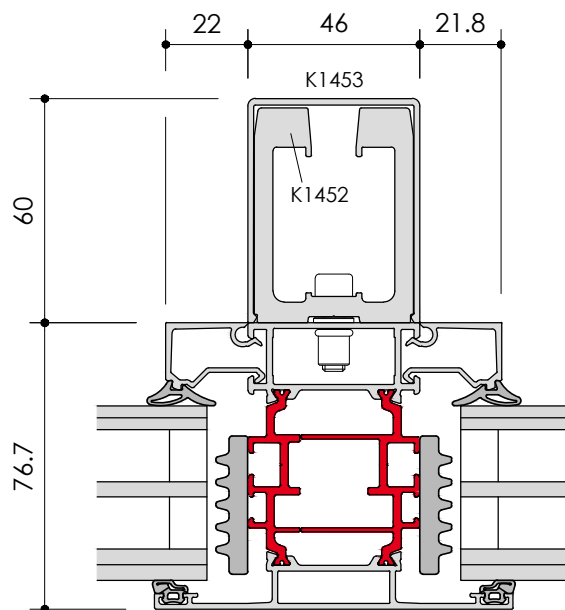
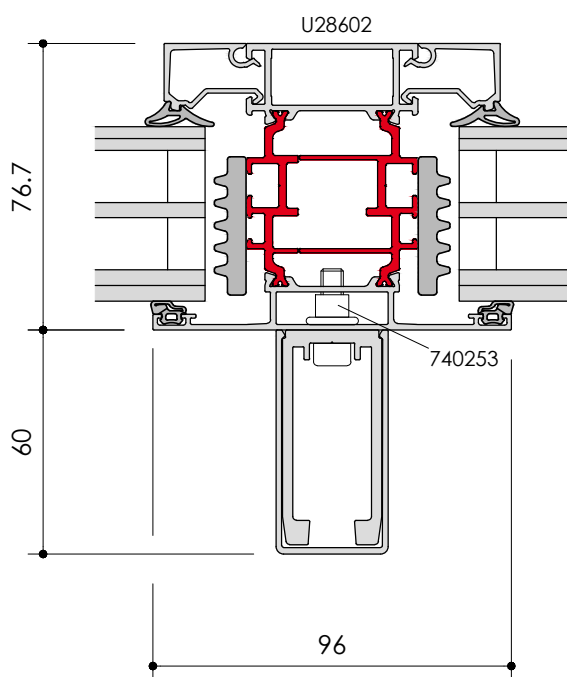
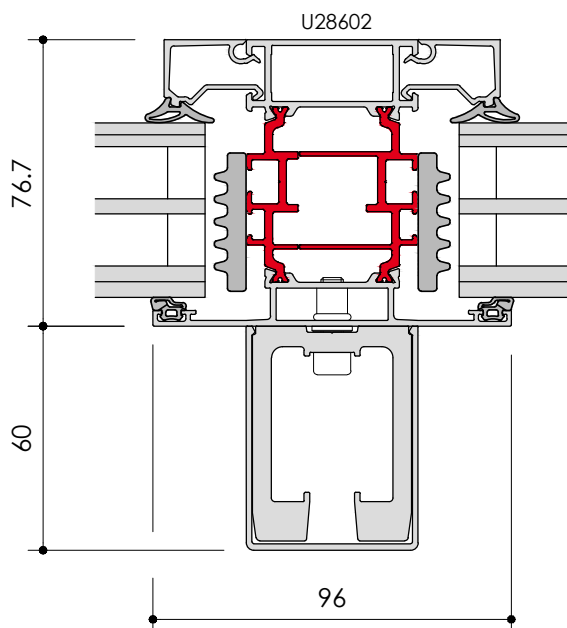
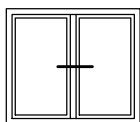
NODI TIPICI

scala 1:2

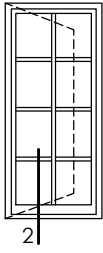
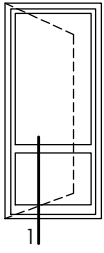


> NODI TIPICI

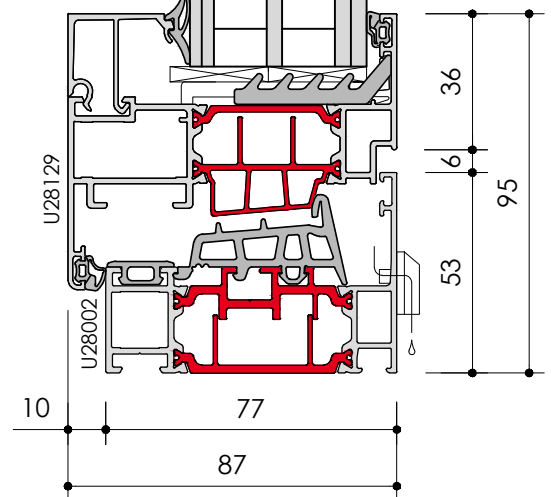
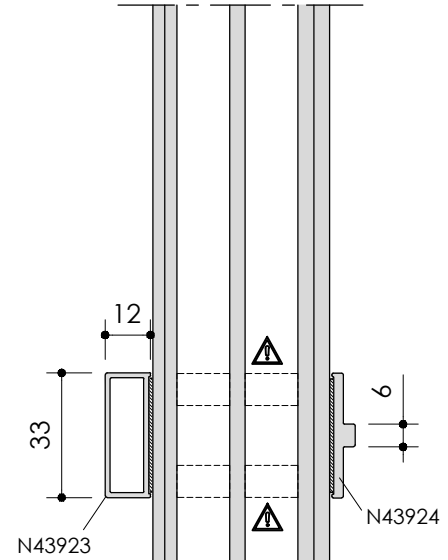
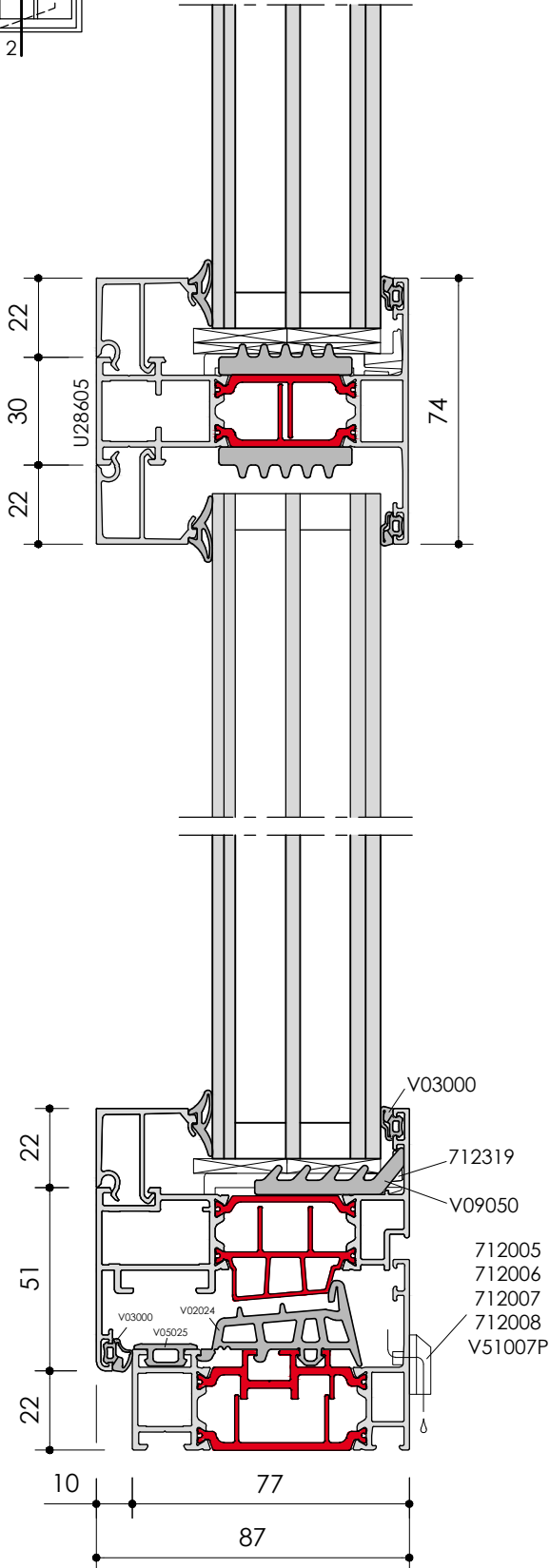
scala 1:2



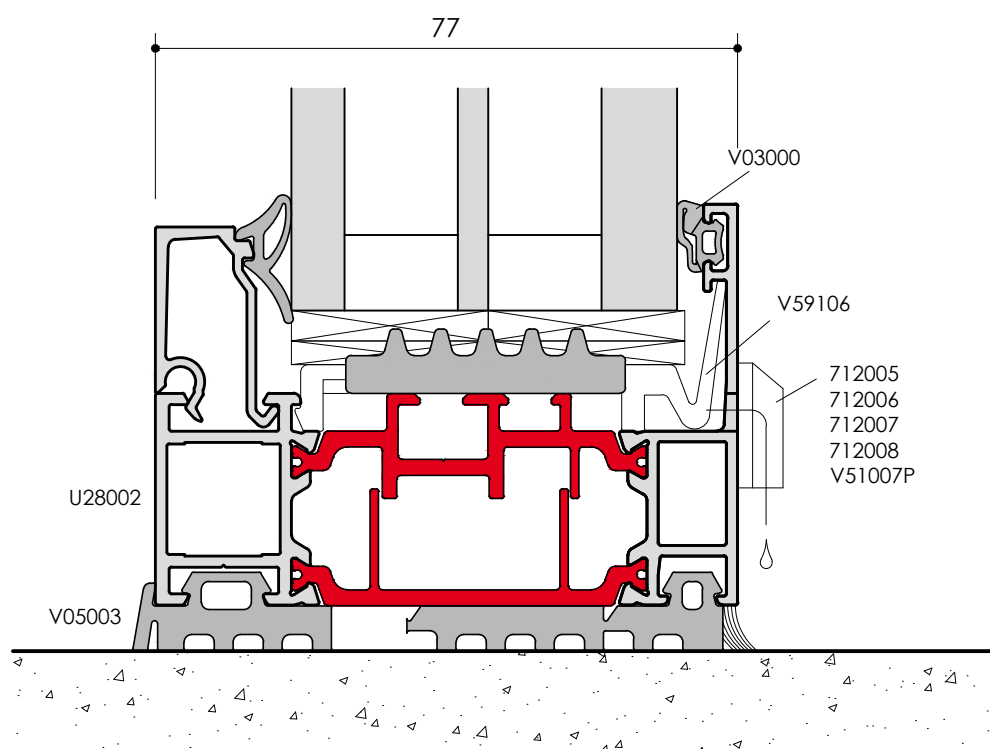
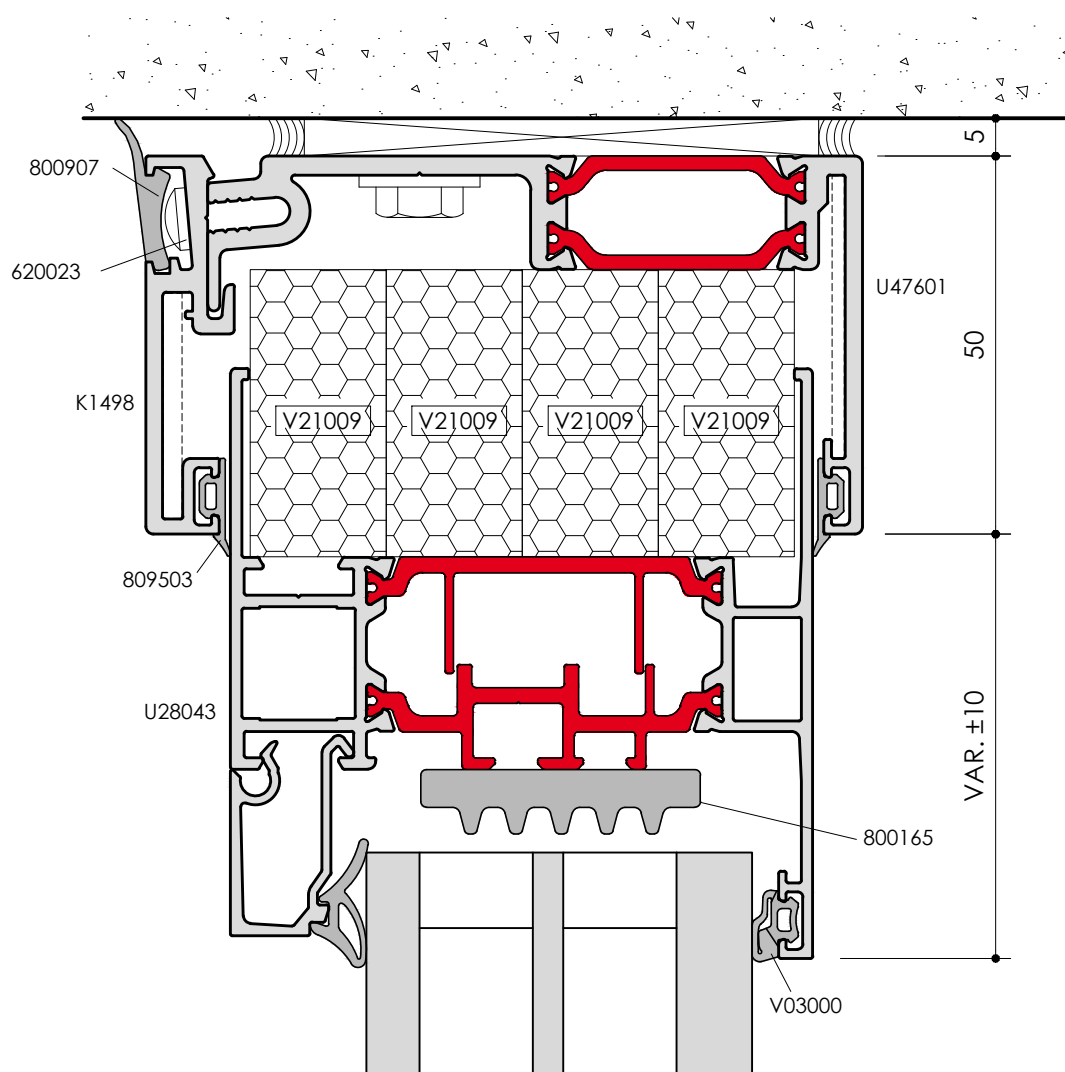
NODI TIPICI



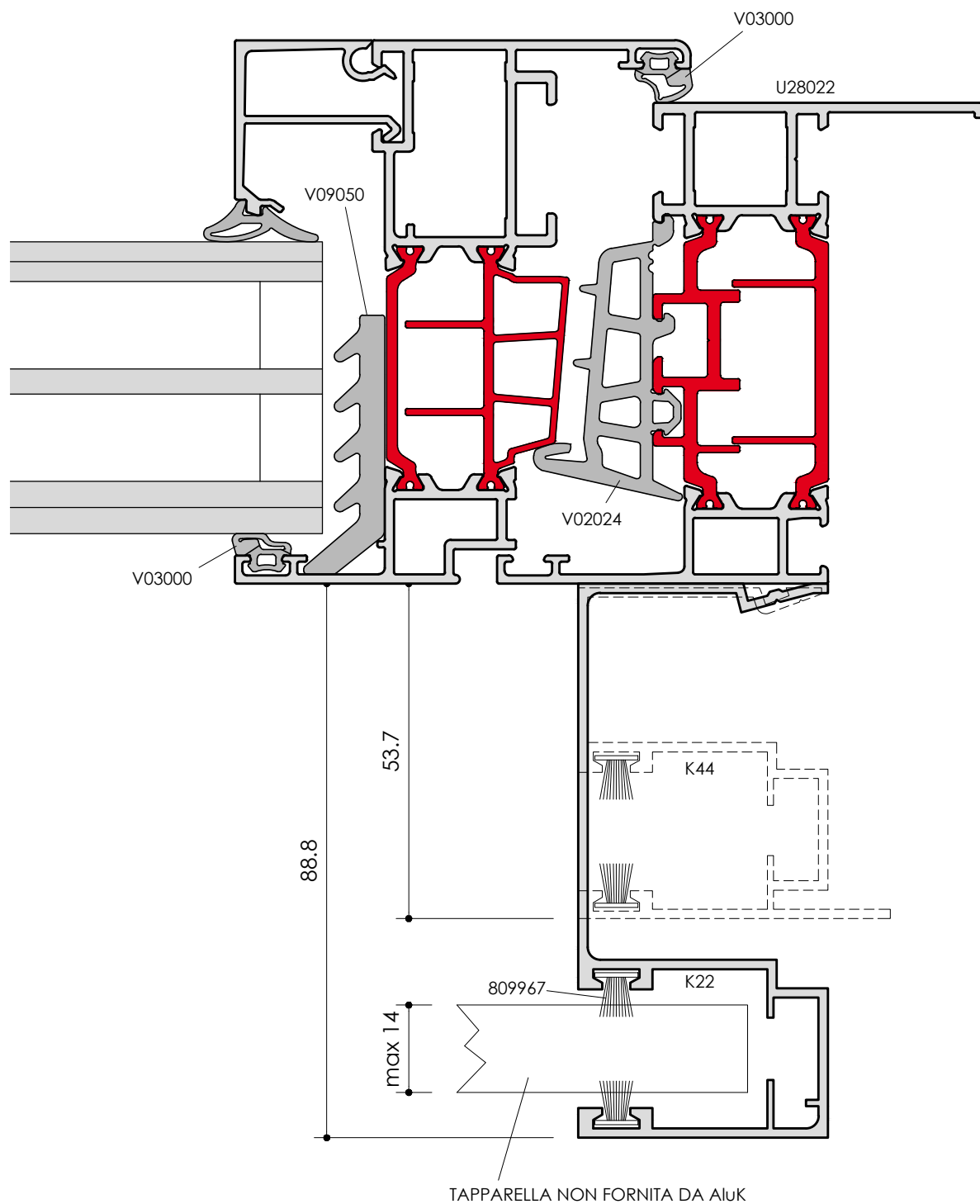
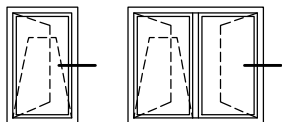
Canalino estetico opzionale. Attenzione all'incremento del valore U_w .
Glass spacer as an aesthetic option. Pay attention to the increase of the U_w value.



NODI TIPICI

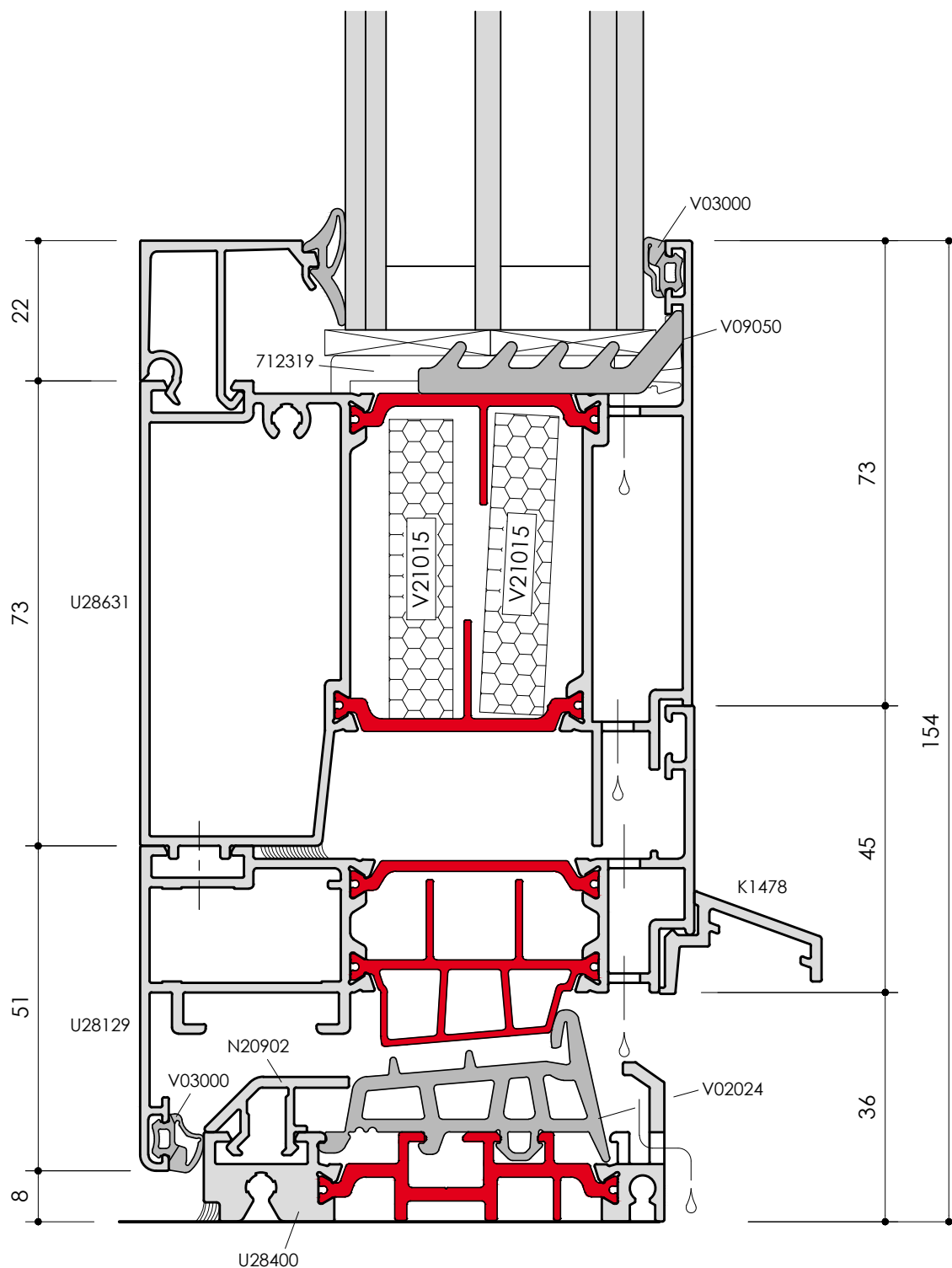
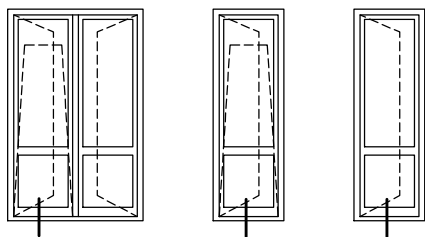


► NODI TIPICI

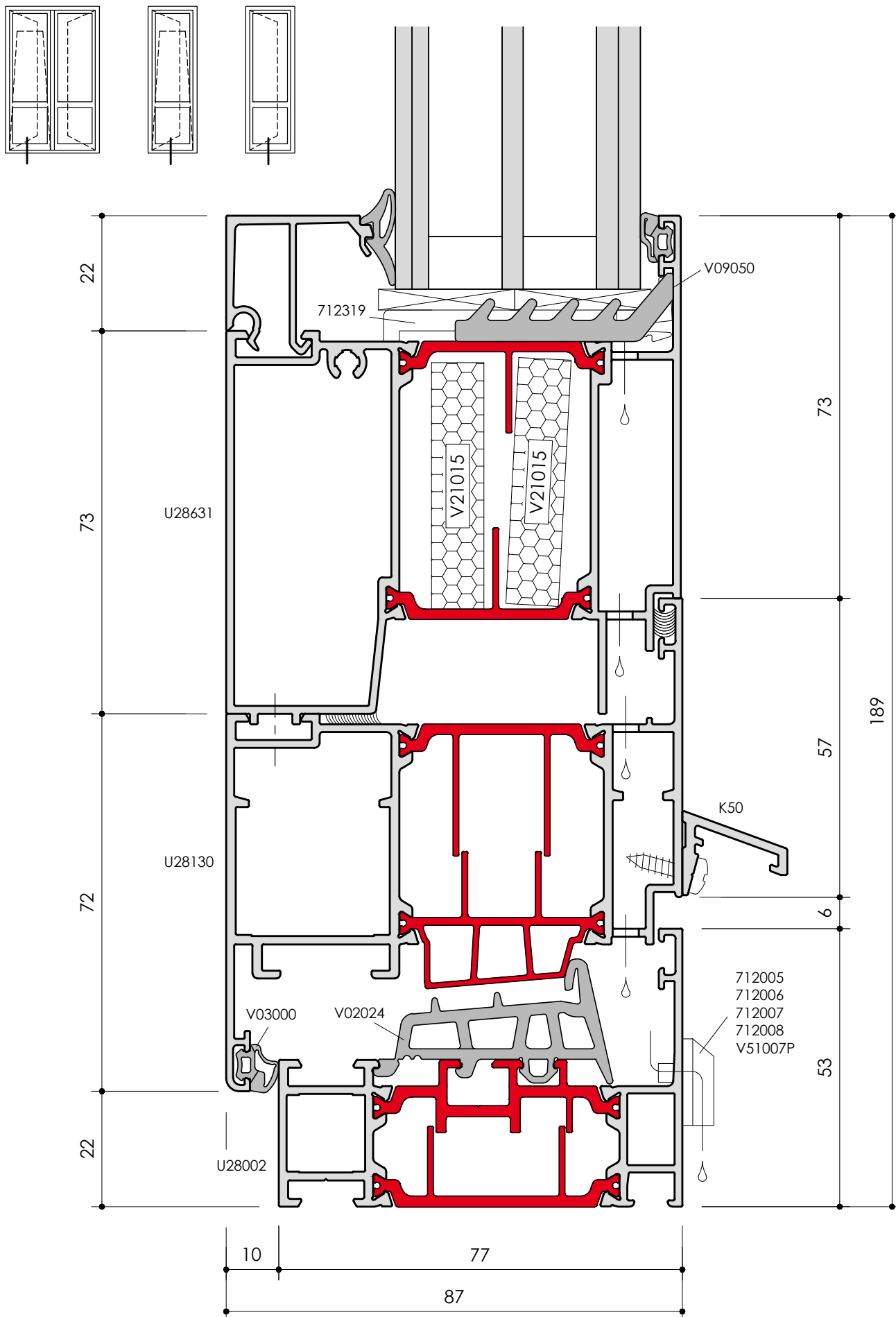


NODI TIPICI
TYPICAL DETAIL

► NODI TIPICI

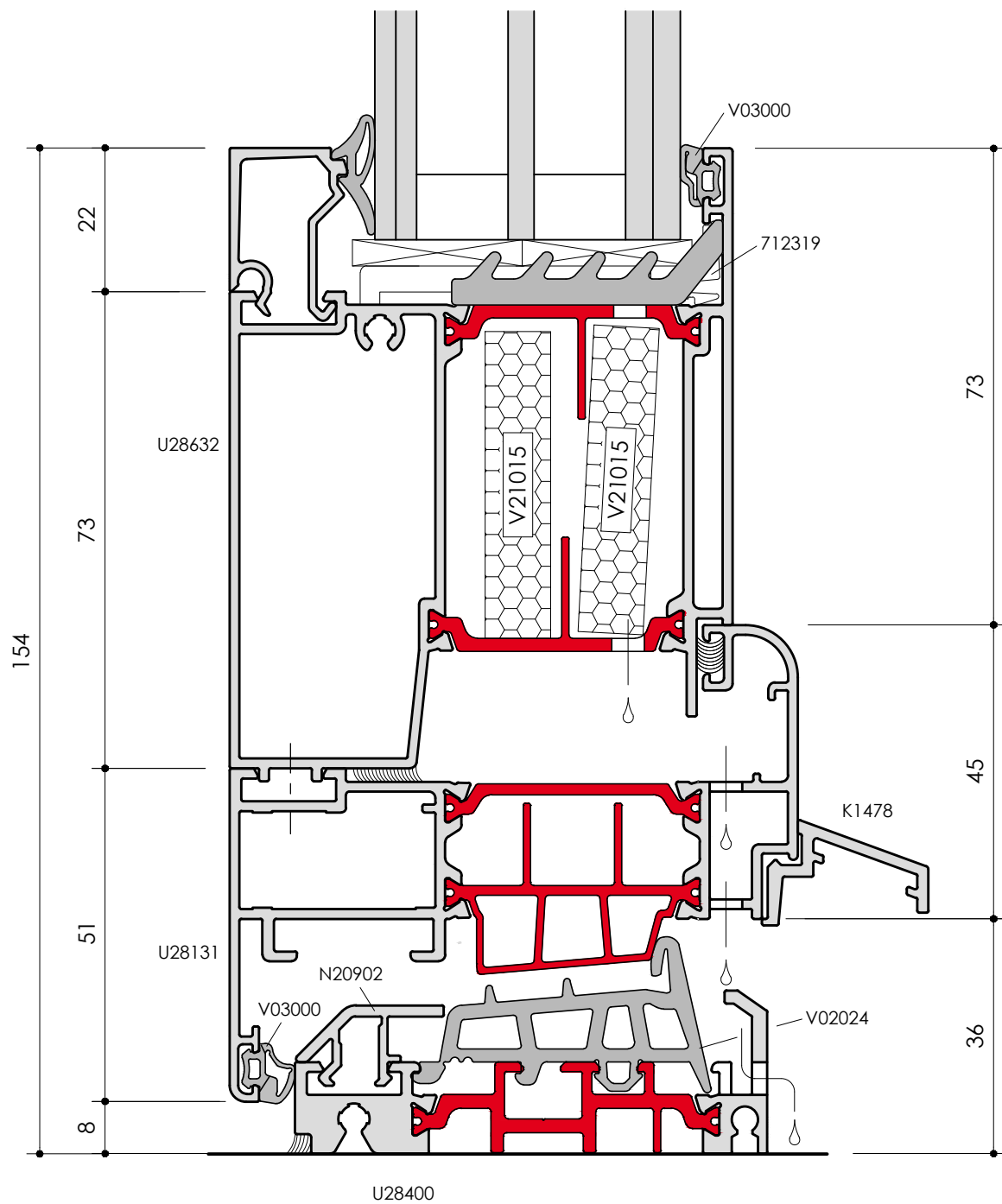
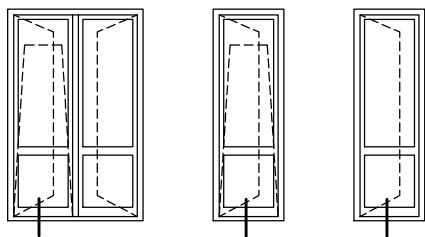


NODI TIPICI

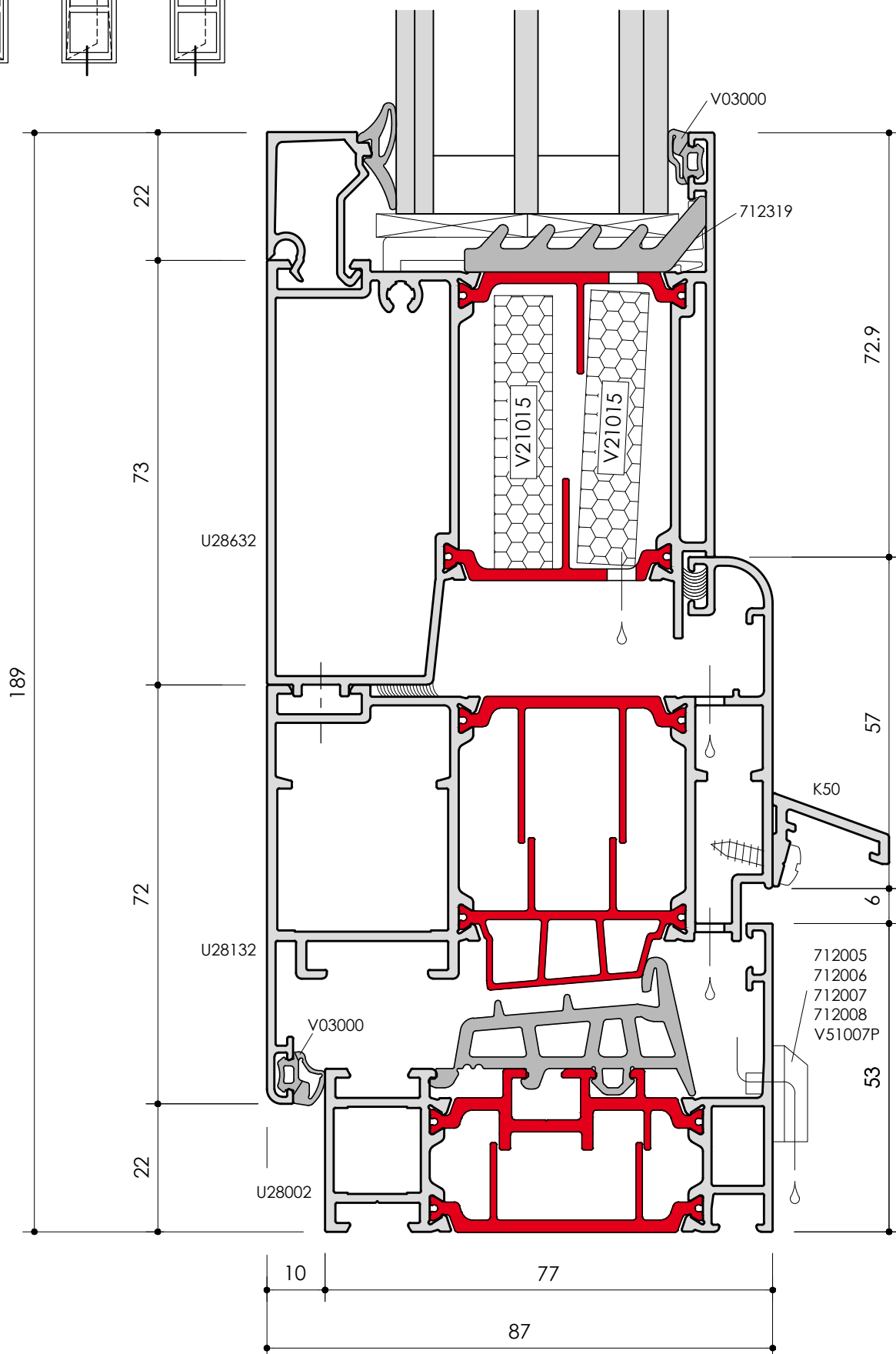
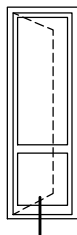
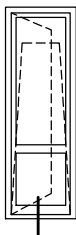
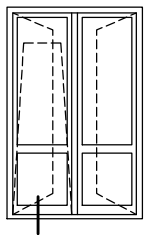


NODI TIPICI
TYPICAL DETAIL

► NODI TIPICI



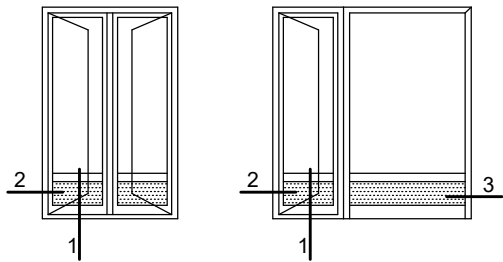
NODI TIPICI



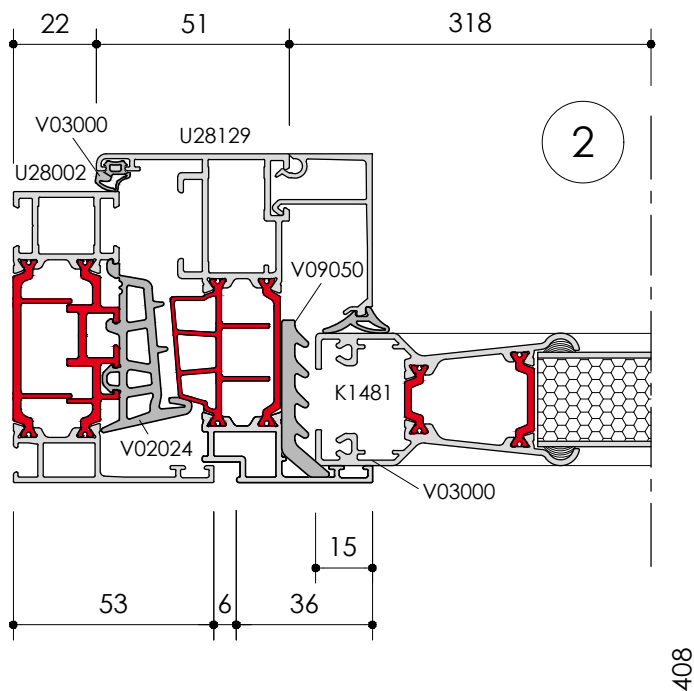
NODI TIPICI
TYPICAL DETAIL

➤ NODI TIPICI

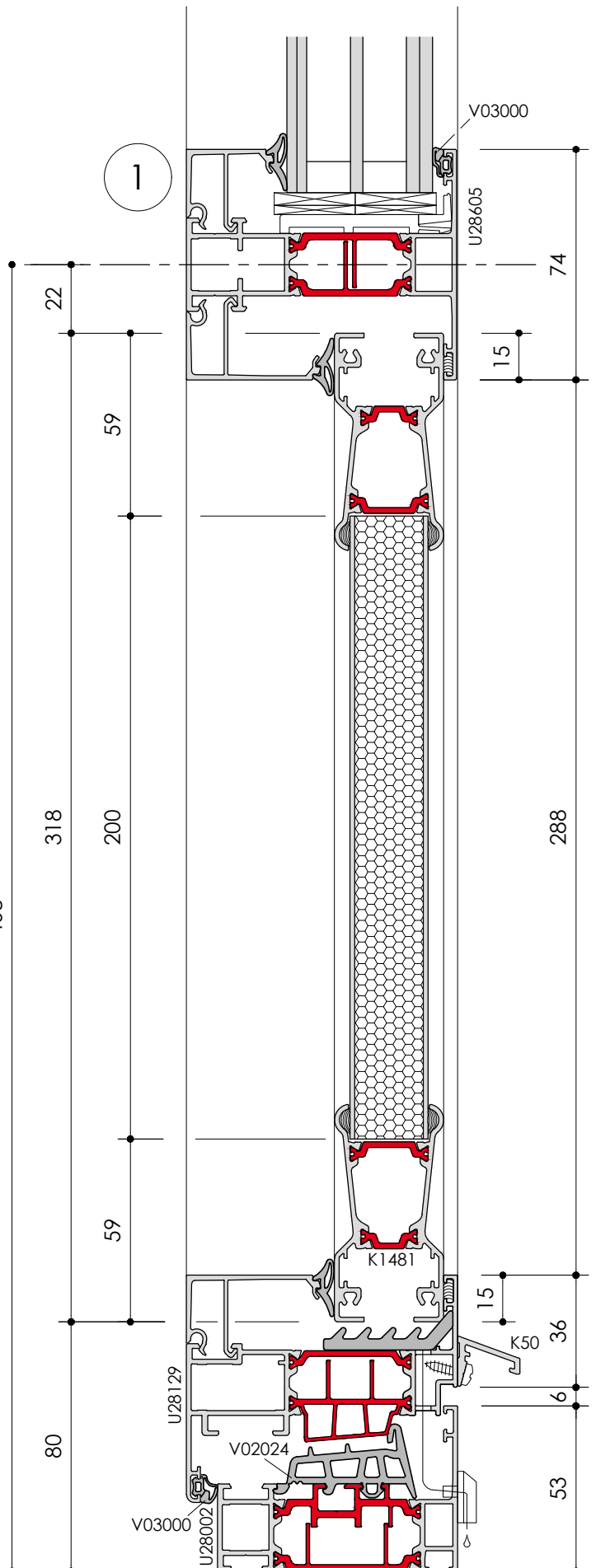
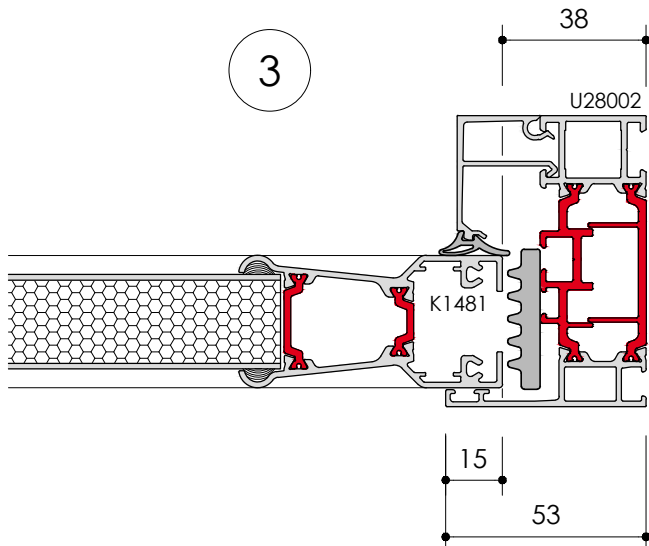
scala 1:2



ESEMPIO DI SPECCHIATURA INFERIORE
A PANNELLO PER PORTA BALCONE.
EXAMPLE OF A LOWER PANEL
MODULE FOR BALCONY DOOR.

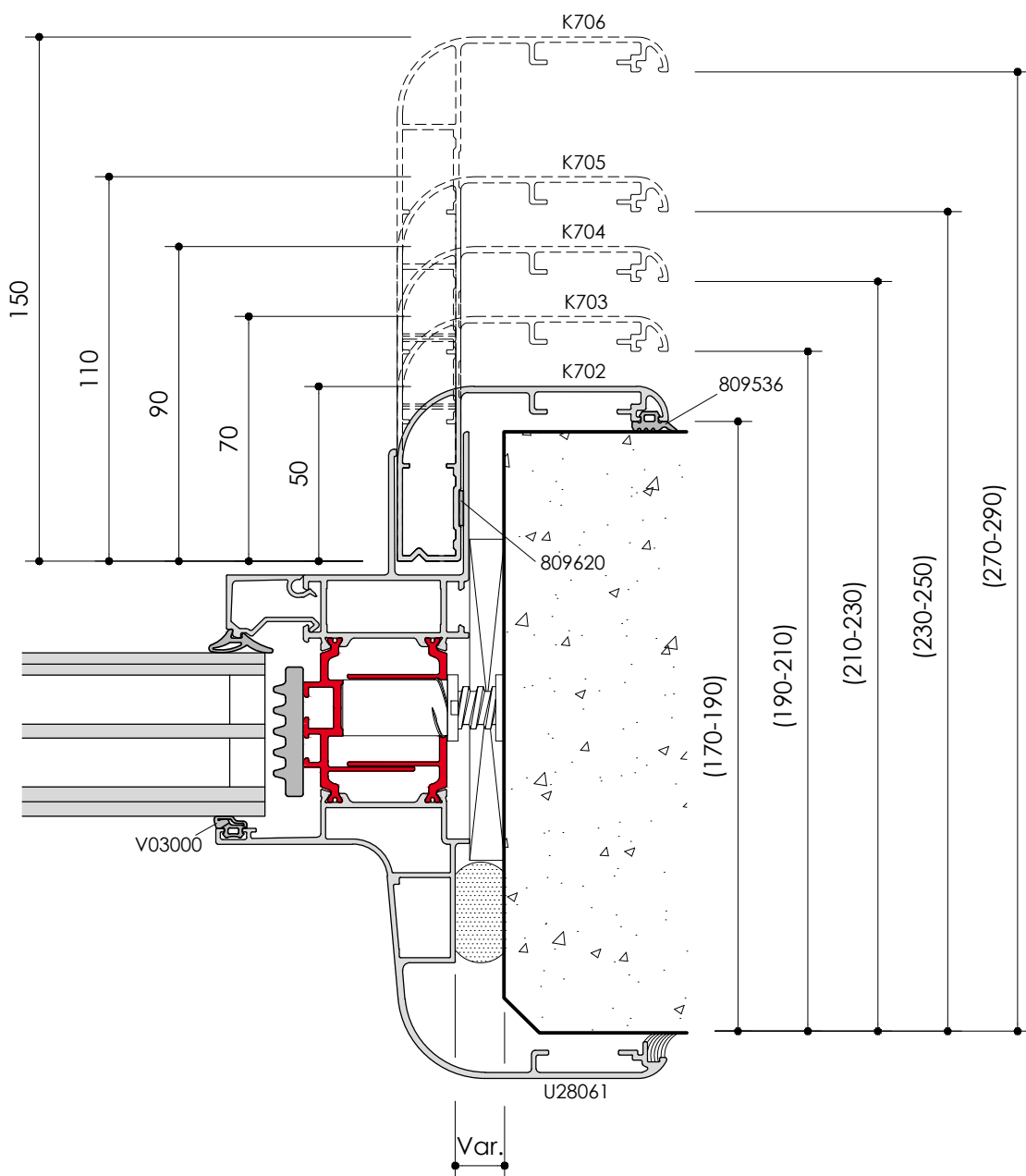


ESEMPIO DI APPLICAZIONE SU TELAIO FISSO.
EXAMPLE OF AN APPLICATIONS ON FIXED FRAME.

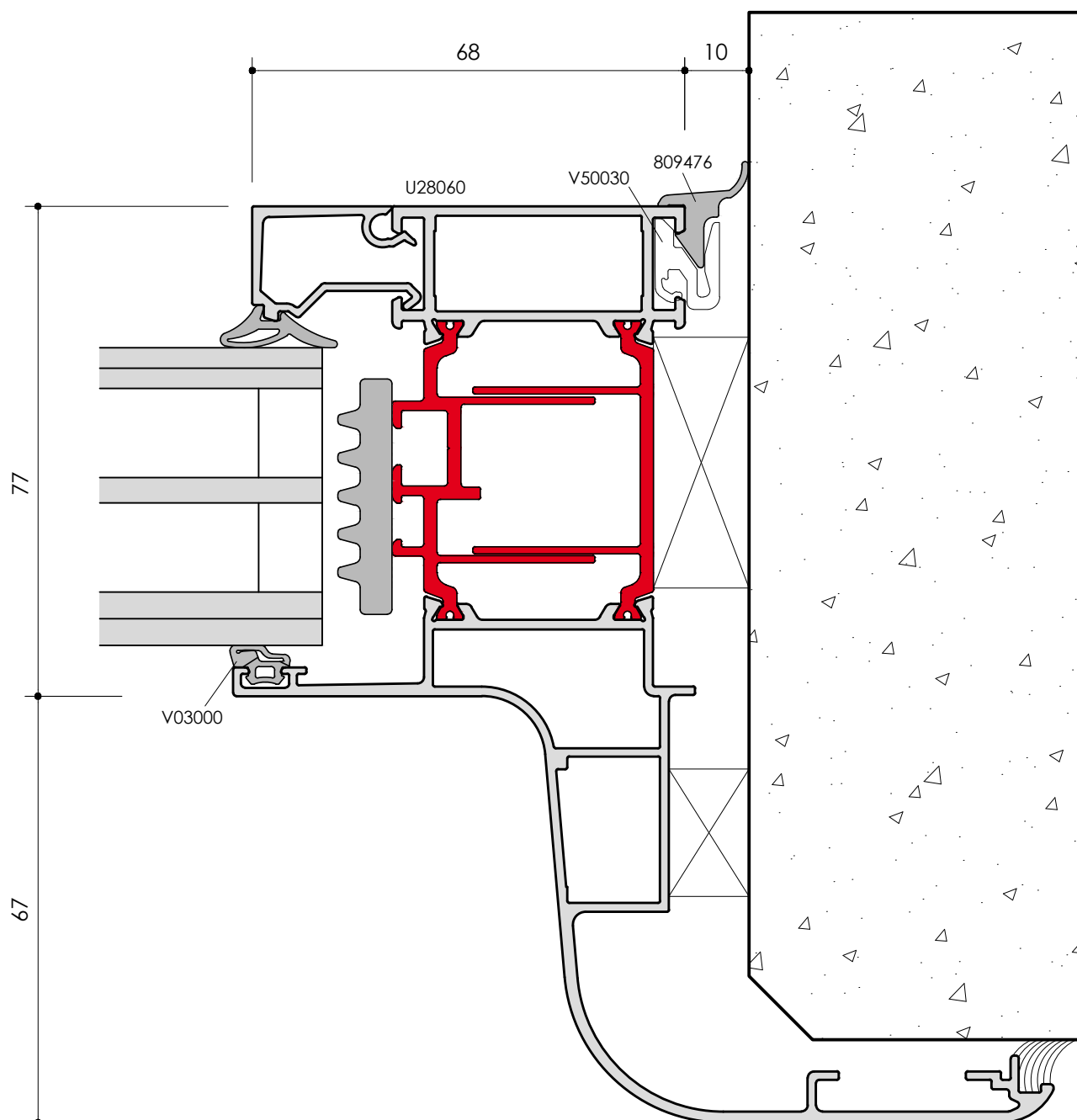


NODI TIPICI

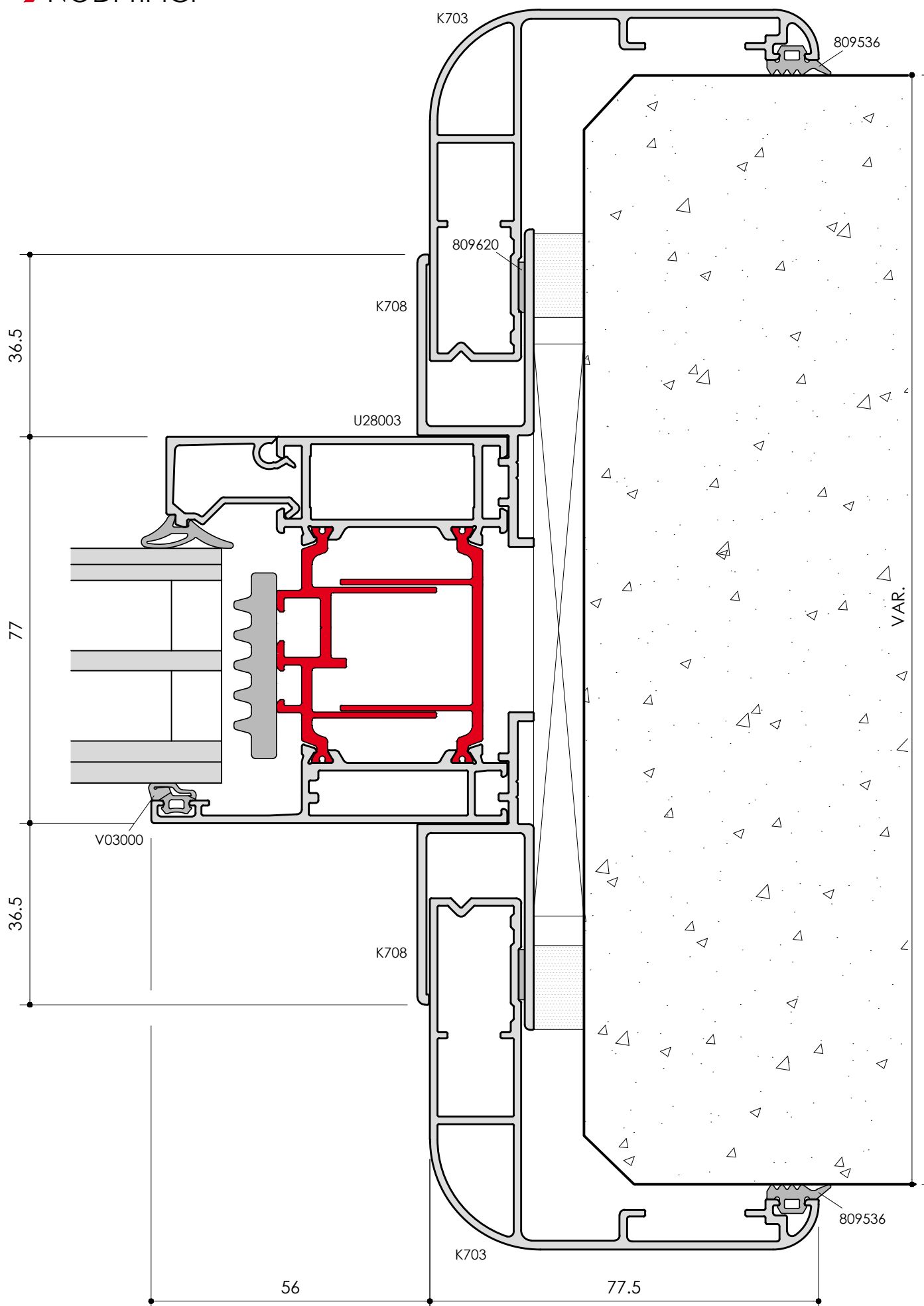
scala 1:2



NODI TIPICI
TYPICAL DETAIL



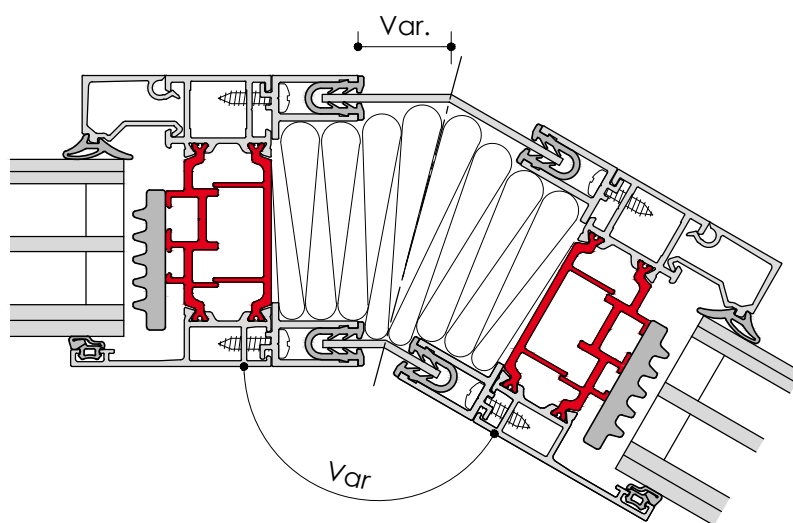
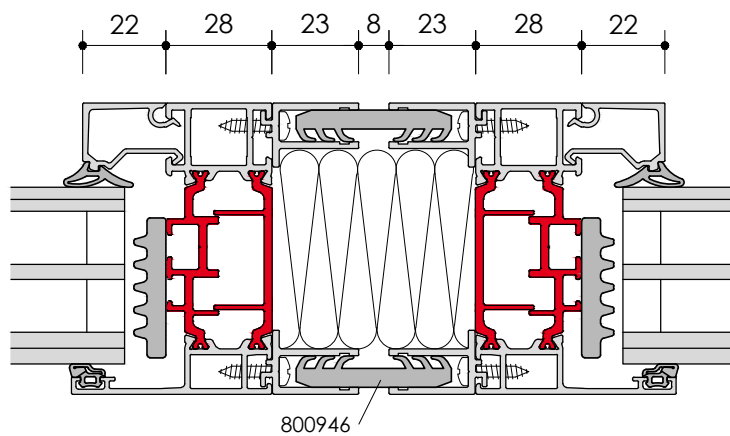
NODI TIPICI



NODI TIPICI
TYPICAL DETAIL

NODI TIPICI

scala 1:2



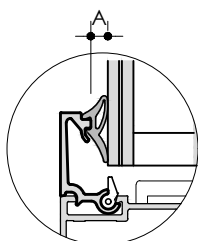
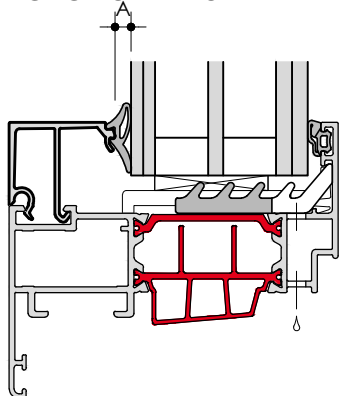
Section 7

Tavole di vetratura
Glazing detail

TAVOLE DI VETRAZIONE

FERMAVETRI A SCATTO CLICK GLAZING BEAD

N48821
N48822
N48823
N48824
N48825
N48826
N48827



N99863
N99864

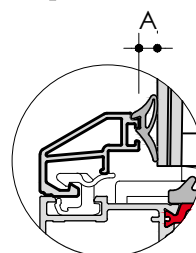
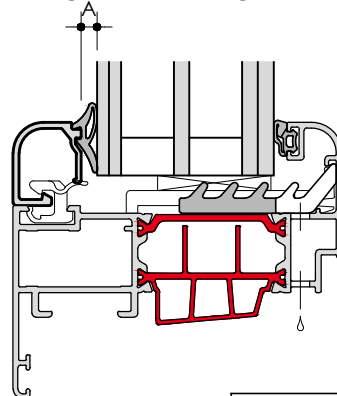
712060 → PER FINITURA ANODIZZATA
FOR ANODIZED FINISHING

PASSO/EVERY
400 - 500 mm

712061 → PER FINITURA VERNICIATA
FOR PAINTED FINISHING

FERMAVETRI CON CLIP GLAZING BEAD WITH CLIP

N43880
N43881
N43882
N43883
N43884
N43885



N43886
N43887
N43888

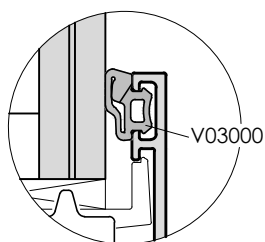


V50017

1 CLIP OGNI
250 mm
1 CLIP EVERY
250 mm

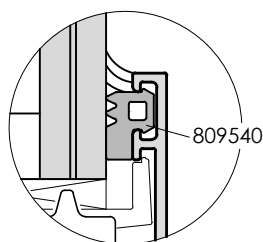
SISTEMI DI TENUTA ESTERNA - EXTERNAL SEALING SYSTEMS

GUARNIZIONE - GASKET



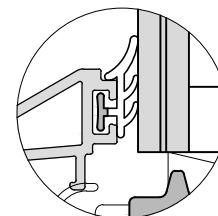
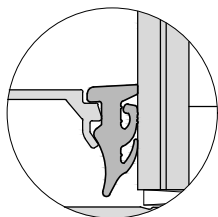
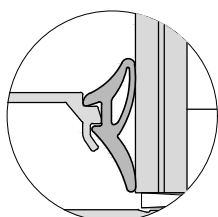
V03000

SIGILLATURA - SEALING



809540

GUARNIZIONI INTERNE VETRO - INTERNAL GLASS GASKETS



GUARNIZIONI INTERNE - INTERNAL GASKET

809119 809120 809121 809122



2÷3



3÷4



4.5÷6



6.5÷8

GUARNIZIONI RIBASSATE - LOW GASKET

V00024 V00025 V00026 V00027



3.5÷4.5



4.5÷5.5



5.5÷6.5



6.5÷7.5

GUARNIZIONE V00010 - V00010 GASKET



2.5÷3

SOLO CON SIGILLATURA ESTERNA
WITH EXTERNAL SEALING ONLY

Indicazioni generali

La guarnizione interna del vetro va determinata in funzione della misura "A" effettivamente riscontrata sul serramento. Tale misura potrebbe variare in funzione delle tolleranze dimensionali di tutti i componenti in gioco.

Per questa ragione, le tabelle di vetratura riportate nelle pagine successive sono da ritenere indicative.

La guarnizione interna va comunque scelta dello spessore sufficiente a garantire un'efficace spinta sul vetro affinché la gomma esterna V03000 sia adeguatamente compressa.

Questo aspetto è meno determinante nel caso di sigillatura esterna su fondo di giunto art. 809540.

Per consentire la necessaria rotazione in fase di inserimento dei fermavetri standard squadretti a scatto o dei fermapannelli (artt. N99863, N99864), la dimensione "A" minima raccomandata è di 5 mm.

Nel caso di impiego di fermavetri con fissaggio a clip (art. V50017), è possibile ridurre lo spazio "A" a meno di 5 mm.

Consultare il catalogo delle lavorazioni per le modalità applicative del sistema a clips.

Per mantenere i fermapannelli (artt. N99863, N99864) vincolati alla cava in fase di movimentazione o trasporto in assenza di vetro, utilizzare gli articoli 712060 o 712061, per profili anodizzati o verniciati rispettivamente.

Con i fermavetri sagomati (N43886, N43887, N43888), in alternativa alle guarnizioni interne a premere, è possibile impiegare la guarnizione a infilare art. V00010. In tal caso è raccomandata la sigillatura esterna del vetro con fondo di giunto art. 809540.

Note relative all'impiego delle guarnizioni ribassate (artt. V00024, V00025, V00026, V00027).

Per massimizzare il risultato estetico, la guarnizione ribassata deve essere scelta sulla base dell'effettivo spazio disponibile tra fermavetro e vetro (misura "A"), con una tolleranza massima di ± 0.5 mm.

Prestare pertanto la massima attenzione alle effettive tolleranze dei diversi componenti in gioco.

La soluzione è disponibile per dimensioni "A" comprese tra 4 e 7 mm.

In fase d'ordine dei vetri, valutare attentamente la posizione del canalino del vetrocamera per evitare che resti visibile in quanto non occultato dalla guarnizione ribassata.

Nei siti particolarmente esposti e gravosi e per serramenti di grandi dimensioni si consiglia l'impiego delle guarnizioni standard a premere, artt. 809120-809121-809122.

General information

The inner gasket must be determined according to the measure "A" actually found on the window. This may vary depending on the dimensional tolerances of all the components involved.

For this reason, the glazing tables shown in the following pages have to be considered indicative.

However, the internal gasket must be chosen of sufficient thickness to guarantee an effective push on the glass so that the external gasket V03000 is adequately compressed.

This aspect is less decisive in the case of external sealing on the "backer rod" gasket item 809540.

To allow the necessary rotation when inserting standard snap-on squared glazing beads or panel glass beads (items N99863, N99864), the minimum recommended "A" size is 5 mm.

When using the clips (item V50017), the "A" space can be reduced to less than 5 mm.

See the assembling catalogue for the application method of the clips system.

To keep panel glass beads (items N99863, N99864) tied to the groove during the handling or the transport in the absence of glass, use the items 712060 or 712061, for anodized or painted profiles respectively.

With the shaped glass beads (N43886, N43887, N43888), instead of the internal gaskets to be pressed, the gasket V00010 can be thread in the groove. In this case, the external sealing of the glass with the gasket item 809540 is recommended.

General remarks referred to the low gaskets (items V00024, V00025, V00026, V00027)

To maximize the aesthetic result, the low gaskets must be chosen on the basis of the actual space available between the glass beads and the glass pane (size "A"), with a maximum tolerance equal to ± 0.5 mm.

Therefore, pay close attention to the actual tolerances of the different components involved.

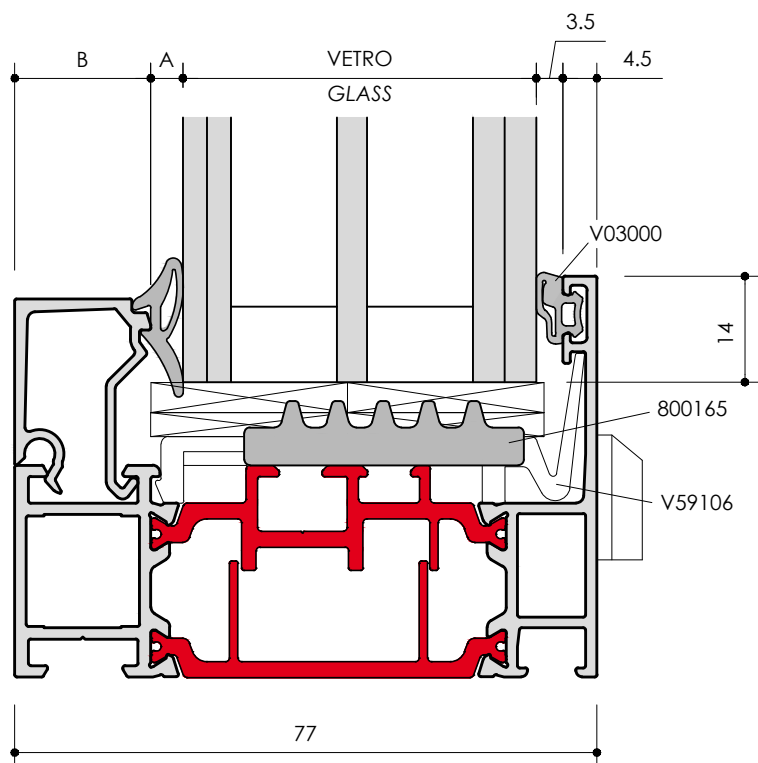
This solution is available for sizes "A" between 4 and 7 mm.

When ordering the glass panes, the position of the spacer has to be carefully evaluate to prevent it from remaining visible because it is not hidden by the low seal.

In particularly heavy weather exposed sites and for large size windows we recommend the use of standard seals to be pressed (items 809120-809121-809122).

TAVOLE DI VETRAZIONE

SCHEMA DI UTILIZZO GUARNIZIONI PER VETRAZIONE TELAIO FISSO FIXED FRAME GLAZING GASKET DIAGRAM



APPLICABILE AI PROFILI - APPLICABLE TO PROFILES:

U28002	U28026
U28003	U28042
U28022	U28043
U28023	U28044
U28024	U28060
U28025	U28061

GUARNIZIONI INTERNE - INTERNAL GASKET

809119	809120	809121	809122
2÷3	3÷4	4.5÷6	6.5÷8

GUARNIZIONI RIBASSATE - LOW GASKET

V00024	V00025	V00026	V00027
3.5÷4.5	4.5÷5.5	5.5÷6.5	6.5÷7.5

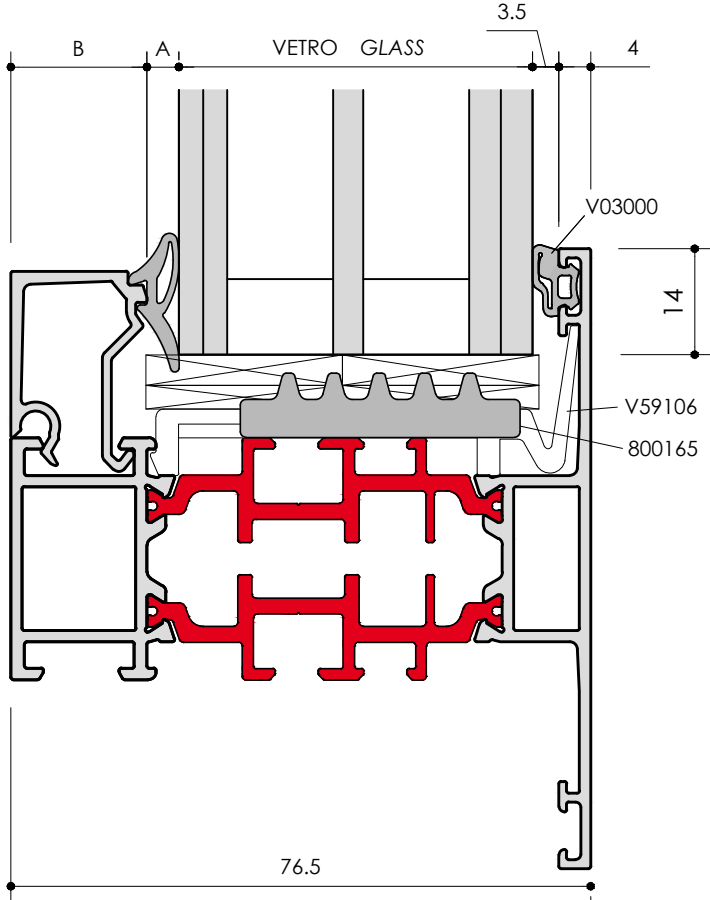
TABELLA DI VETRAZIONE - GLAZING CHART

VETRO GLASS	GUARNIZIONE GASKET		FERMAVETRO - GLAZING BEAD					
	A	I	B	SQUADRATI SQUARED	TUBOLARE TUBULAR	A CLIP WITH CLIP	ES. COMP. VETRO e.g. GLASS COMP.	SP. NOMINALE THICKNESS
24	7	809122	38	N48826	-	N43885	-	-
26	5	809121	38	N48826	-	N43885	4-15-33.2	25.76
28	8	809122	33	N48825	-	N43884	-	-
30	6	809121	33	N48825	-	N43884	5-18-33.2	29.76
32	4	809120	33	-	-	N43884	44.2-16-33.2	31.52
34	7	809122	28	N48824	-	N43883	55.2-15-44.1	34.14
36	5	809121	28	N48824	-	N43883	55.4-16-44.2	36.28
38	8	809122	23	N48823	-	N43882	-	-
40	6	809121	23	N48823	-	N43882	66.2-16-55.2	39.52
42	4	809120	23	-	-	N43882	6-12-5-12-33.2	41.76
44	7	809122	18	N48822	-	N43881	5-14-4-14-33.2	43.76
46	5	809121	18	N48822	-	N43881	33.2-14-4-14-33.2	45.52
48	8	809122	13	N48821	-	N43880	-	-
50	6	809121	13	N48821	-	N43880	-	-
52	4	809120	13	-	-	N43880	55.2-14-4-14-44.2	51.52
54	7	809122	8	-	N99864	-	-	-
56	5	809121	8	-	N99864	-	-	-
58	8	809122	3	-	N99863	-	-	-
60	6	809121	3	-	N99863	-	-	-

N.B. I VALORI RIPORTATI IN TABELLA SONO TEORICI E POTREBBERO VARIARE IN FUNZIONE DELLE TOLLERANZE DEI VARI ELEMENTI.
N.B. VALUES SHOWN IN THE TABLE ARE THEORETICAL AND COULD VARY DEPENDING ON ELEMENTS TOLLERANCES.

TAVOLE DI VETRAZIONE

SCHEMA DI UTILIZZO GUARNIZIONI PER VETRAZIONE GLAZING GASKET DIAGRAM



APPLICABILE AI PROFILI APPLICABLE TO PROFILES:		TASSELLO CLEAT
U28601	U20602	V59106
U20603	U20604	V59106
U20630	-	V59106
U20632	-	712319

GUARNIZIONI INTERNE - INTERNAL GASKET			
809119	809120	809121	809122
2÷3	3÷4	4.5÷6	6.5÷8

GUARNIZIONI RIBASSATE - LOW GASKET			
V00024	V00025	V00026	V00027
3.5÷4.5	4.5÷5.5	5.5÷6.5	6.5÷7.5

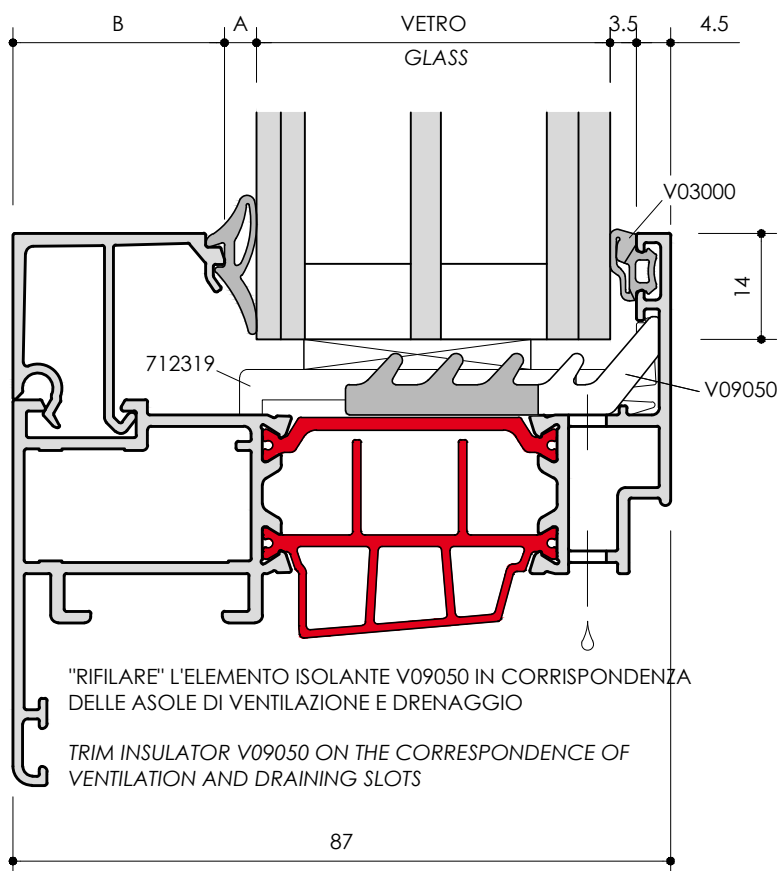
TABELLA DI VETRAZIONE - GLAZING CHART

VETRO GLASS	GUARNIZIONE GASKET		FERMAVETRO - GLAZING BEAD					
	A	I	B	SQUADRATI SQUARED	TUBOLARE TUBULAR	A CLIP WITH CLIP	ES. COMP. VETRO e.g. GLASS COMP.	SP. NOMINALE THICKNESS
24	7	809122	38	N48826	-	N43885	-	-
26	5	809121	38	N48826	-	N43885	4-15-33.2	25.76
28	8	809122	33	N48825	-	N43884	-	-
30	6	809121	33	N48825	-	N43884	5-18-33.2	29.76
32	4	809120	33	-	-	N43884	44.2-16-33.2	31.52
34	7	809122	28	N48824	-	N43883	55.2-15-44.1	34.14
36	5	809121	28	N48824	-	N43883	55.4-16-44.2	36.28
38	8	809122	23	N48823	-	N43882	-	-
40	6	809121	23	N48823	-	N43882	66.2-16-55.2	39.52
42	4	809120	23	-	-	N43882	6-12-5-12-33.2	41.76
44	7	809122	18	N48822	-	N43881	5-14-4-14-33.2	43.76
46	5	809121	18	N48822	-	N43881	33.2-14-4-14-33.2	45.52
48	8	809122	13	N48821	-	N43880	-	-
50	6	809121	13	N48821	-	N43880	-	-
52	4	809120	13	-	-	N43880	55.2-14-4-14-44.2	51.52
54	7	809122	8	-	N99864	-	-	-
56	5	809121	8	-	N99864	-	-	-
58	8	809122	3	-	N99863	-	-	-
60	6	809121	3	-	N99863	-	-	-

N.B. I VALORI RIPORTATI IN TABELLA SONO TEORICI E POTREBBERO VARIARE IN FUNZIONE DELLE TOLLERANZE DEI VARI ELEMENTI.
N.B. VALUES SHOWN IN THE TABLE ARE THEORETICAL AND COULD VARY DEPENDING ON ELEMENTS TOLERANCES.

TAVOLE DI VETRAZIONE

SCHEMA DI UTILIZZO GUARNIZIONI PER VETRAZIONE BATTENTE WING GLAZING GASKET DIAGRAM



APPLICABILE AI PROFILI - APPLICABLE TO PROFILES:

U28129	U28130
U28501	U28631
U28605	

GUARNIZIONI INTERNE - INTERNAL GASKET

809119	809120	809121	809122
2÷3	3÷4	4.5÷6	6.5÷8

GUARNIZIONI RIBASSATE - LOW GASKET

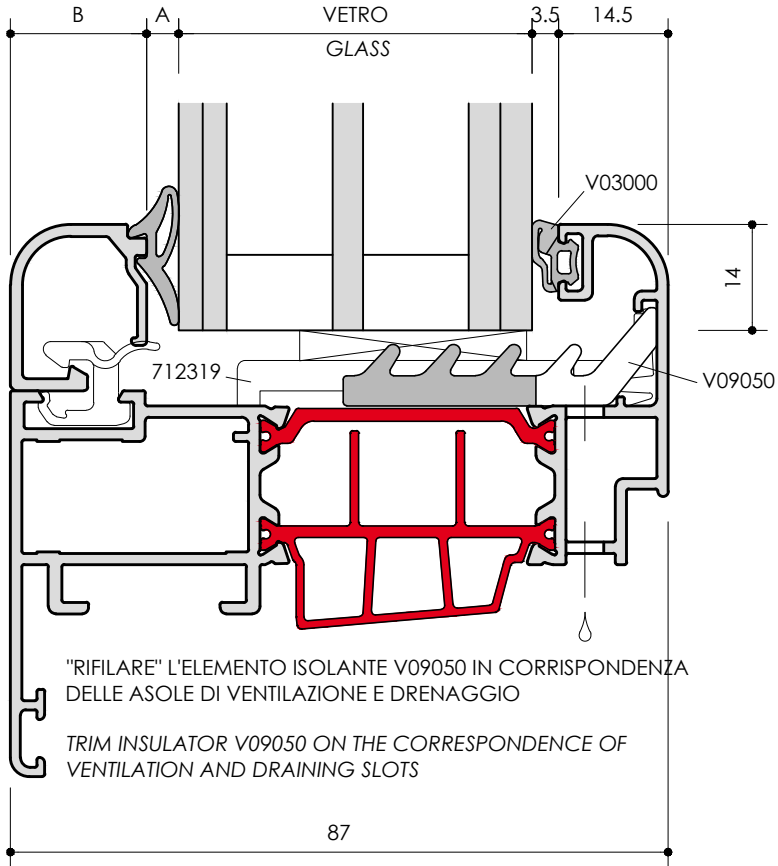
V00024	V00025	V00026	V00027
3.5÷4.5	4.5÷5.5	5.5÷6.5	6.5÷7.5

TABELLA DI VETRAZIONE - GLAZING CHART

VETRO GLASS	GUARNIZIONE GASKET		FERMAVETRO - GLAZING BEAD					
	A	I	B	SQUADRATI SQUARED	TUBOLARE TUBULAR	A CLIP WITH CLIP	ES. COMP. VETRO e.g. GLASS COMP.	SP. NOMINALE THICKNESS
28	8	809122	43	N48827	-	-	-	-
30	6	809121	43	N48827	-	-	5-18-33.2	29.76
32	4	809120	43	-	-	-	44.2-16-33.2	31.52
34	7	809122	38	N48826	-	N43885	55.2-15-44.1	34.14
36	5	809121	38	N48826	-	N43885	55.4-16-44.2	36.28
38	8	809122	33	N48825	-	N43884	-	-
40	6	809121	33	N48825	-	N43884	66.2-16-55.2	39.52
42	4	809120	33	-	-	N43884	6-12-5-12-33.2	41.76
44	7	809122	28	N48824	-	N43883	5-14-4-14-33.2	43.76
46	5	809121	28	N48824	-	N43883	33.2-14-4-14-33.2	45.52
48	8	809122	23	N48823	-	N43882	-	-
50	6	809121	23	N48823	-	N43882	-	-
52	4	809120	23	-	-	N43882	55.2-14-4-14-44.2	51.52
54	7	809122	18	N48822	-	N43881	-	-
56	5	809121	18	N48822	-	N43881	-	-
58	8	809122	13	N48821	-	N43880	-	-
60	6	809121	13	N48821	-	N43880	-	-
62	4	809120	13	-	-	N43880	-	-

N.B. I VALORI RIPORTATI IN TABELLA SONO TEORICI E POTREBBERO VARIARE IN FUNZIONE DELLE TOLLERANZE DEI VARI ELEMENTI.
N.B. VALUES SHOWN IN THE TABLE ARE THEORETICAL AND COULD VARY DEPENDING ON ELEMENTS TOLLERANCES.

SCHEMA DI UTILIZZO GUARNIZIONI PER VETRAZIONE BATTENTE
WING GLAZING GASKET DIAGRAM



APPLICABILE AI PROFILI - APPLICABLE TO PROFILES:	
U28131	U28132

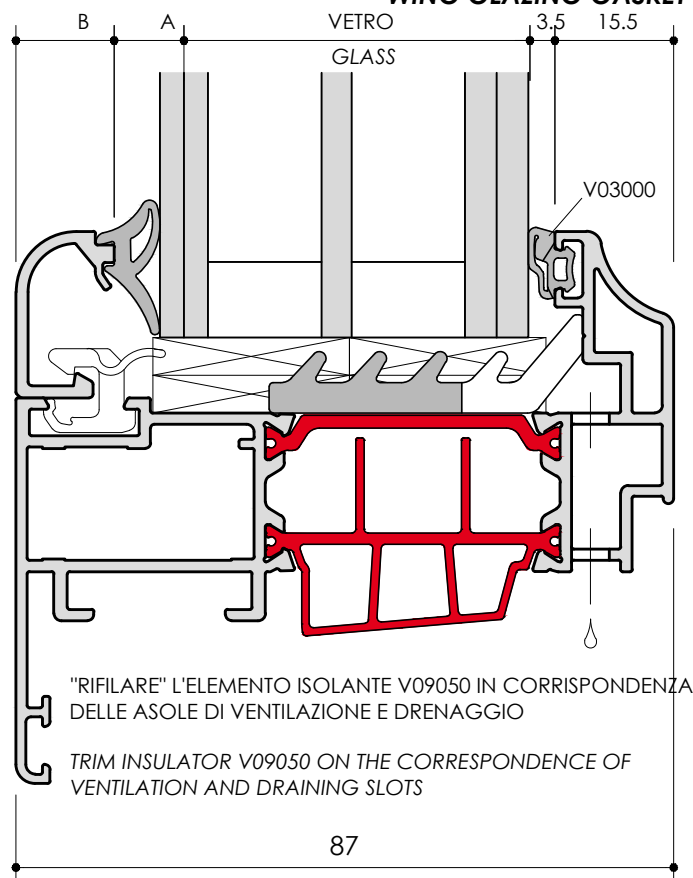
GUARNIZIONI INTERNE - INTERNAL GASKET			
809119	809120	809121	809122
2÷3	3÷4	4.5÷6	6.5÷8

GUARNIZIONI RIBASSATE - LOW GASKET			
V00024	V00025	V00026	V00027
3.5÷4.5	4.5÷5.5	5.5÷6.5	6.5÷7.5

TABELLA DI VETRAZIONE - GLAZING CHART								
VETRO GLASS	GUARNIZIONE GASKET		FERMAVETRO - GLAZING BEAD					
	A	I	B	SQUADRATI SQUARED	TUBOLARE TUBULAR	A CLIP WITH CLIP	ES. COMP. VETRO e.g. GLASS COMP.	SP. NOMINALE THICKNESS
24	7	809122	38	N48826	-	N43885	-	-
26	5	809121	38	N48826	-	N43885	4-15-33.2	25.76
28	8	809122	33	N48825	-	N43884	-	-
30	6	809121	33	N48825	-	N43884	5-18-33.2	29.76
32	4	809120	33	-	-	N43884	44.2-16-33.2	31.52
34	7	809122	28	N48824	-	N43883	55.2-15-44.1	34.14
36	5	809121	28	N48824	-	N43883	55.4-16-44.2	36.28
38	8	809122	23	N48823	-	N43882	-	-
40	6	809121	23	N48823	-	N43882	66.2-16-55.2	39.52
42	4	809120	23	-	-	N43882	6-12-5-12-33.2	41.76
44	7	809122	18	N48822	-	N43881	5-14-4-14-33.2	43.76
46	5	809121	18	N48822	-	N43881	33.2-14-4-14-33.2	45.52
48	8	809122	13	N48821	-	N43880	-	-
50	6	809121	13	N48821	-	N43880	-	-
52	4	809120	13	-	-	N43880	55.2-14-4-14-44.2	51.52
N.B. I VALORI RIPORTATI IN TABELLA SONO TEORICI E POTREBBERO VARIARE IN FUNZIONE DELLE TOLLERANZE DEI VARI ELEMENTI. N.B. VALUES SHOWN IN THE TABLE ARE THEORETICAL AND COULD VARY DEPENDING ON ELEMENTS TOLLERANCES.								

TAVOLE DI VETRAZIONE

SCHEMA DI UTILIZZO GUARNIZIONI PER VETRAZIONE BATTENTE WING GLAZING GASKET DIAGRAM



APPLICABILE AI PROFILI - APPLICABLE TO PROFILES:

U28133

GUARNIZIONI INTERNE - INTERNAL GASKET

809119

809120

809121

809122



2÷3

3÷4

4.5÷6

6.5÷8

GUARNIZIONI RIBASSATE - LOW GASKET

V00024

V00025

V00026

V00027



3.5÷4.5

4.5÷5.5

5.5÷6.5

6.5÷7.5

TABELLA DI VETRAZIONE - GLAZING CHART

VETRO GLASS	GUARNIZIONE GASKET		FERMAVETRO - GLAZING BEAD					
	A	1	B	SQUADRATI SQUARED	TUBOLARE TUBULAR	A CLIP WITH CLIP	ES. COMP. VETRO e.g. GLASS COMP.	SP. NOMINALE THICKNESS
24	6	809121	38	N48826	-	N43885	-	-
26	4	809120	38	-	-	N43885	4-15-33.2	25.76
28	7	809122	33	N48825	-	N43884	-	-
30	5	809121	33	N48825	-	N43884	5-18-33.2	29.76
32	8	809122	28	N48824	-	N43884	44.2-16-33.2	31.52
34	6	809121	28	N48824	-	N43883	55.2-15-44.1	34.14
36	4	809120	28	-	-	N43883	55.4-16-44.2	36.28
38	7	809122	23	N48823	-	N43882	-	-
40	5	809121	23	N48823	-	N43882	66.2-16-55.2	39.52
42	8	809122	18	N48822	-	N43882	6-12-5-12-33.2	41.76
44	6	809121	18	N48822	-	N43881	5-14-4-14-33.2	43.76
46	4	809120	18	-	-	N43881	33.2-14-4-14-33.2	45.52
48	7	809122	13	N48821	-	N43880	-	-
50	5	809121	13	N48821	-	N43880	-	-

N.B. I VALORI RIPORTATI IN TABELLA SONO TEORICI E POTREBBERO VARIARE IN FUNZIONE DELLE TOLLERANZE DEI VARI ELEMENTI.
N.B. VALUES SHOWN IN THE TABLE ARE THEORETICAL AND COULD VARY DEPENDING ON ELEMENTS TOLLERANCES.

Section 8

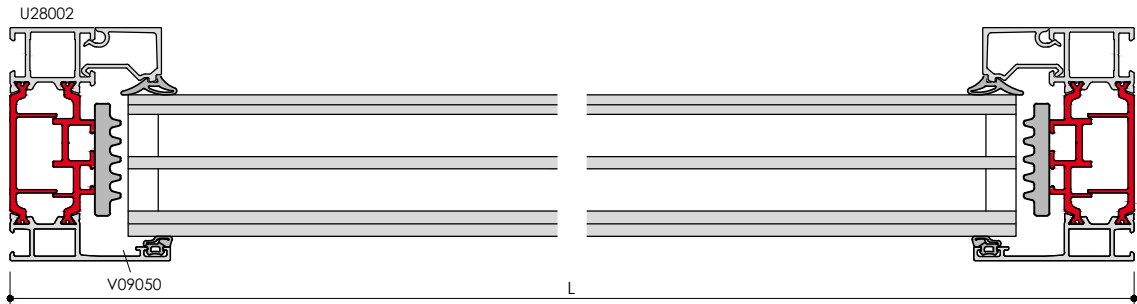
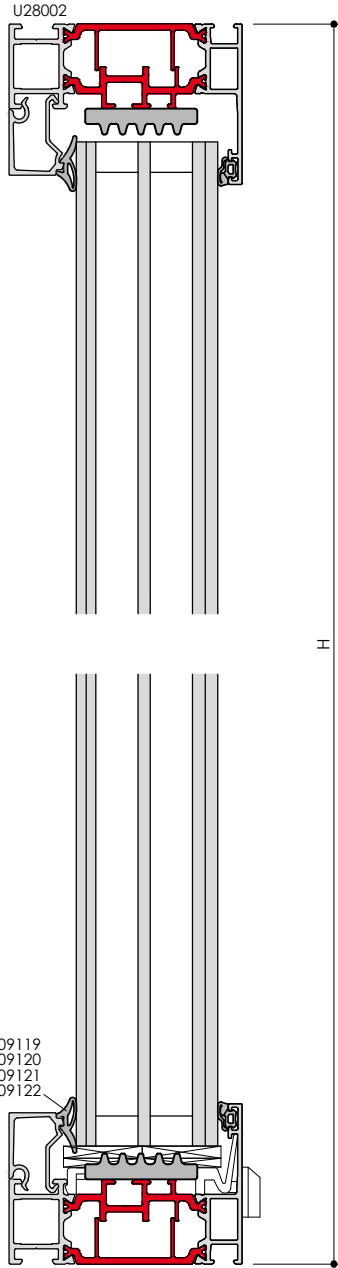
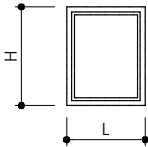
Distinte di taglio
Cutting lists

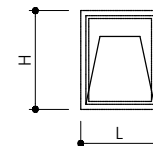
GLI SCHEMI DELLE FINESTRE SONO DISEGNATI IN VISTA ESTERNA
WINDOWS SCHEMES ARE SHOWN FROM OUTSIDE

DISTINTE DI TAGLIO

TELAIO FISSO FIXED FRAME

PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
U28002	Horizontal frame	Traverso stipite	2	L	45° - 45°
U28002	Vertical frame	Montante stipite	2	H	45° - 45°
-	Horizontal glazing bead	Fermavetro orizzontale	2	L - 56	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	2	H - 100	90° - 90°
ACCESSORI	desc - ENG	desc - ITA	PEZZI		
V43000	Fixed frame corner joint	Squadretta int. stipite	4		
V50002 / V50003	Adjusting block fixed	Regolatori stipite	in base alle dimensioni		
V59106	Wing glass cleats	Base tassello vetro	4		
710400 / 710401	Screw/pin corner joint	Viti/spine squadrette	8		
710409	Pin for ex. corner joint	Spina sq. est.stipite	8		
710411	Fixed frame external cor. joint	Squadretta esterna stipite	4		
712005 / 712006	Water drain cap	Mascherina drenaggio	in base alle dimensioni		
712007 / 712008	Water drain cap with valve	Mascherina con valvola			
V51007P					
-	Glass cleats	Tasselli vetro	-		
GUARNIZIONI	desc - ENG	desc - ITA	MISURA		
800165	Insulating element	Elemento isolante	2L + 2H		
809119÷809122	Interior side glazing	Interna vetro	2L + 2H		
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta interna	2L + 2H		
VETRO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double or triple glazing	Vetrocamera	1	L - 78	H - 78





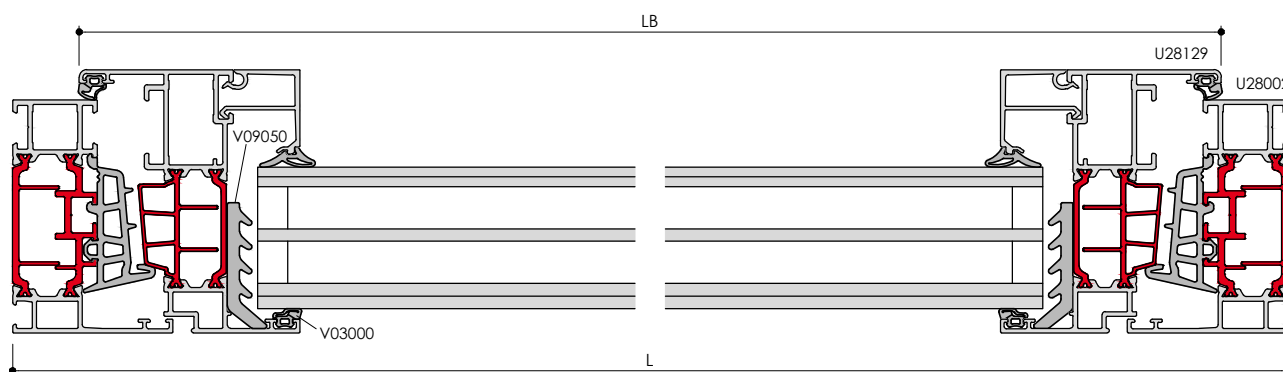
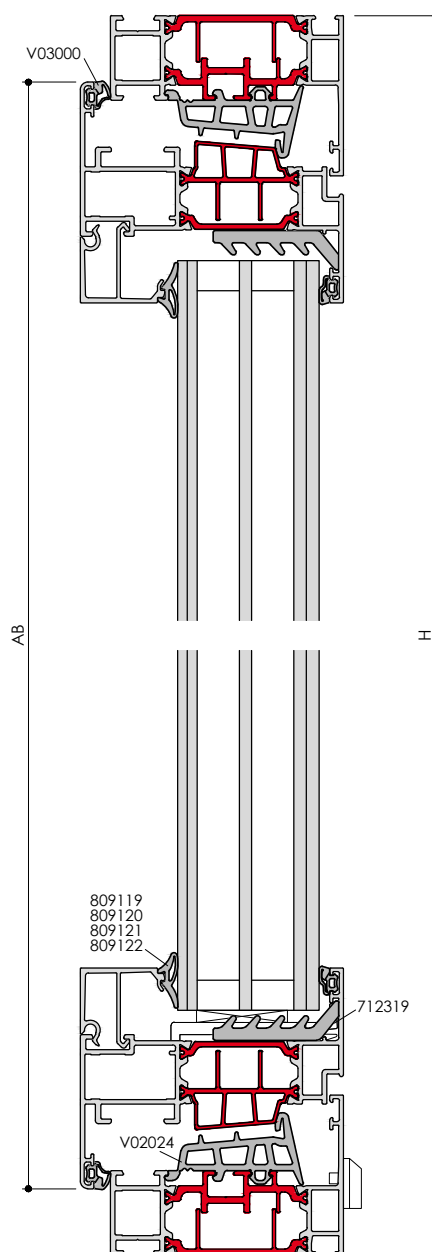
FINESTRA A VASISTAS CON CRICCHETTO
BOTTOM HUNG WINDOW WITH LATCHE

PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
U28002	Horizontal frame	Traverso stipite	2	L	45° - 45°
U28002	Vertical frame	Montante stipite	2	H	45° - 45°
U28120	Horizontal sash	Traverso battente	2	L - 44 (=LB)	45° - 45°
U28120	Vertical sash	Montante battente	2	H - 44 (=AB)	45° - 45°
-	Horizontal glazing bead	Fermavetro orizzontale	2	L - 146	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	2	H - 190	90° - 90°

ACCESSORI	desc - ENG	desc - ITA	PEZZI
710023	Wing ext. corner joint	Sq. est. battente	4
710041	Wing int. alg. corner joint	Sq. all. int. battente	4
710055	Wing alg. corner joint	Sq. All. est. battente	4
710400 / 710401	Screw/pin corner joint	Viti/spine squadrette	16
V43000	Fixed frame corner joint	Squadretta int. stipite	4
710408	Wing corner joint	Squadretta int. battente	4
710409	Pin for ex. corner joint	Spina sq. est.stipite	8
710411	Fixed frame ex. cor. joint	Sq. est. stipite	4
V50002 / V50003	Adjusting block fixed	Regolatori stipite	In base alle dimensioni
712005 / 712006	Water drain cap	Mascherina drenaggio	In base alle dimensioni
712007 / 712008	Water drain cap with valvole	Mascherina con valvola	
V51007P			
V54007	Vulcanized central gasket	Angolo giunto aperto	4
712319	Wing glass cleats	Base tassello vetro	8
-	Glass cleats	Tasselli vetro	-

GUARNIZIONI	desc - ENG	desc - ITA	MISURA
809119÷809122	Interior side glazing	Interna vetro	2L + 2H
V02024	Central gasket	Giunto aperto	2L + 2H
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta int.	4L + 4H
V09050	Insulating element	Elemento isolante	2L + 2H

VEIRO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double or triple glazing	Vetrocamera	1	L - 162	H - 162

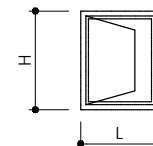


	Articolo/Item code	Note / Remarks		Pezzi Pieces	Descrizione - ITA	Description - ENG
Articoli di base / Common items	Articoli di base / Common items					
	H48519		☐	1	Cricchetto per vasistas	Finger latch for tilt window
	H48819		☐		Kit base anta con cremonese	Turn only kit with cremone handle
	H48821	R	☐		Kit base anta per martellina	Turn only kit with gearbox
	H48819+H48613		☐		Kit base anta per martellina	Turn only kit with gearbox
	H48457	D	☐	≥1	Braccetto vasistas	Arm for tilt opening
	H48820	D	☐		Kit aggiuntivo anta	Additional kit for turn only window
	H48620	D	☐		Punto chiusura supplementare	Rod locking point
	V59076	O	☐		Spessori per sensore allarme	Alarm sensor shim
	V69012	O	☐		Sensore allarme	Alarm sensor
Cerniere / Hinges	V1a Cerniere visibili fino a 80 kg / Visible hinges up to 80 kg					
	H48339		☐	≥2	Cerniera a due ali	Two leafs hinge
	H48340		☐		Cerniera a pettine	Three leafs hinge
	V1b Cerniere nascoste 180° - fino a 100 kg / Concealed hinges 180° - up to 100 kg					
	H48324			1	Kit cerniere nascoste vasistas	Concealed hinges for tilt window
	H48532	D			Falsa cerniera C180	False hinge C180
Maniglie / Handles	V2a Martellina / Pin handle					
	Martellina / Pin handle	Vedasi catalogo maniglie AluK See AluK handles catalogue		1		
	H48119+H48948			1	Meccanismo incasso	Gearbox
	V2b Cremonese / Cremone handle					
	Cremonese / Cremone handle	Vedasi catalogo maniglie AluK See AluK handles catalogue		1		
	H43502			1	Kit attacco cremonese	Cremone handle fixing kit

Vxy Varianti disponibili / Available variants

- D** In base alle dimensioni / Based on dimensions
O Articolo opzionale / Optional item
T In base alla tipologia / Based on typology
R Articolo gestito su richiesta / Upon request item
RC Variante antieffrazione / Antiburglary variant
☐ Scelta di un articolo elencato / Item to be chosen in the list

DISTINTA DI TAGLIO



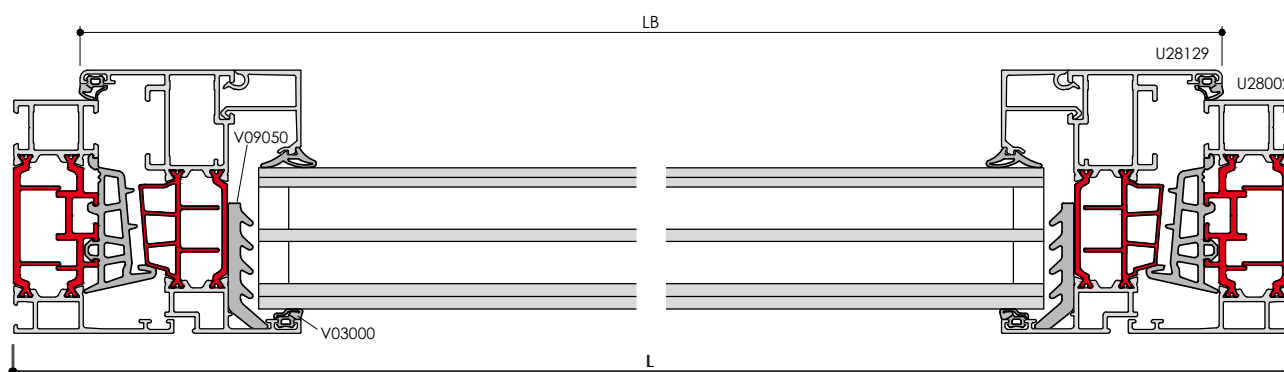
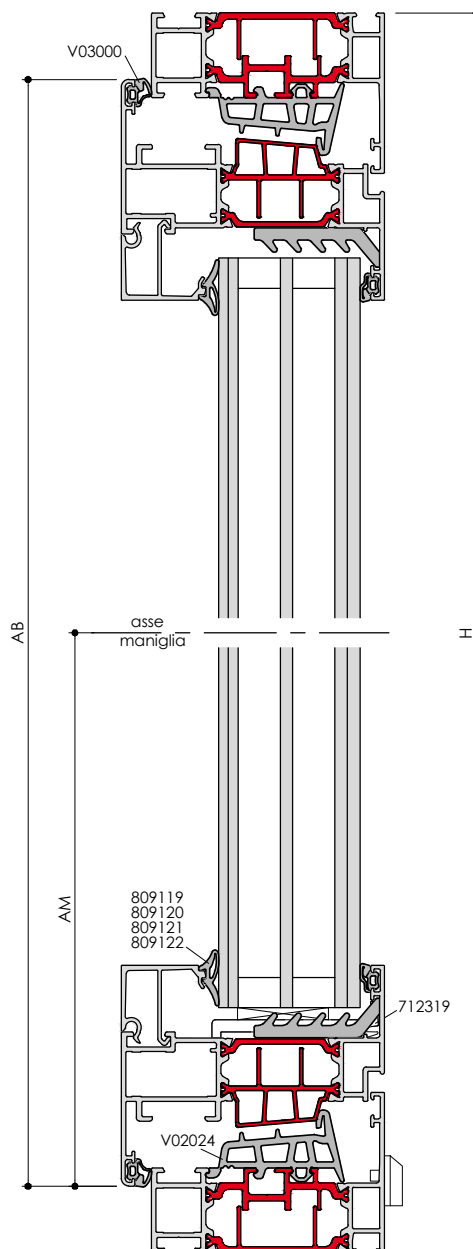
FINESTRA AD ANTA SINGLE WING WINDOW

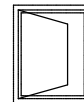
PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
U28002	Horizontal frame	Traverso stipite	2	L	45° - 45°
U28002	Vertical frame	Montante stipite	2	H	45° - 45°
U28129	Horizontal sash	Traverso battente	2	L - 44 (=LB)	45° - 45°
U28129	Vertical sash	Montante battente	2	H - 44 (=AB)	45° - 45°
-	Horizontal glazing bead	Fermavetro orizzontale	2	L - 146	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	2	H - 190	90° - 90°

ACCESSORI	desc - ENG	desc - ITA	PEZZI
V43000	Fixed frame corner joint	Squadretta int. stipite	4
V50002 / V50003	Adjusting block fixed	Regolatori stipite	in base alle dimensioni
V54007	Vulcanized central gasket	Angolo giunto aperto	4
710023	Wing ext. corner joint	Sq. est. battente	4
710041	Wing int. alg. corner joint	Sq. all. int. battente	4
710055	Wing alg. corner joint	Sq. All. est. battente	4
710400 / 710401	Screw/pin corner joint	Viti/spine squadrette	16
710408	Wing corner joint	Squadretta int. battente	4
710409	Pin for ex. corner joint	Spina sq. est.stipite	8
710411	Fixed frame ex. cor. joint	Sq. est. stipite	4
712005 / 712006	Water drain cap	Mascherina drenaggio	in base alle dimensioni
712007 / 712008	Water drain cap with valvole	Mascherina con valvola	
V51007P			
712319	Wing glass cleats	Base tassello vetro	4
-	Glass cleats	Tasselli vetro	-

GUARNIZIONI	desc - ENG	desc - ITA	MISURA
809119+809122	Interior side glazing	Interna vetro	2L + 2H
V02024	Central gasket	Giunto aperto	2L + 2H
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta int.	4L + 4H
V09050	Insulating element	Elemento isolante	2L + 2H

VEURO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double or triple glazing	Vetrocamera	1	L - 162	H - 162





Articolo/Item code	Note / Remarks	Pezzi Pieces	Descrizione - ITA	Description - ENG
Articoli di base / Common items				
H48819	☐	1	Kit base anta con cremonese	Turn only kit with cremone handle
H48821	R ☐		Kit base anta per martellina	Turn only kit with gearbox
H48819+H48613	☐		Kit base anta per martellina	Turn only kit with gearbox
H48820	D		Kit aggiuntivo anta	Additional kit for turn only window
H48610	D		Rinvio d'angolo supplementare	Additional corner drive
H48620	D		Punto chiusura supplementare	Rod locking point
H48458	O		Braccetto limitatore	Limiter arm
H48539	O		Kit chiusura a scrocco	Latch locking kit
V54013	O		Angolo parasigolo	Corner protector
V59076	O		Spessori per sensore allarme	Alarm sensor shim
V69012	O		Sensore allarme	Alarm sensor
H48954	RC		Kit aggiuntivo antieffrazione	Additional antiburglary kit
H48781	RC		Chiusura di sicurezza	Security locking point

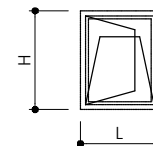
Cerniere / Hinges

V1a Cerniere visibili fino a 130 kg / Visible hinges up to 130 kg				
H48339	☐	≥2	Cerniera a due ali	Two leafs hinge
H48340	☐		Cerniera a pettine	Three leafs hinge
Attenzione! Variante non applicabile a soluzioni antieffrazione				
Warning! This variant is not applicable to antiburglary solutions.				
V1b Cerniere visibili fino a 130 kg (con falso braccio) / Visible hinges fino a 130 kg (with turn only arm)				
H48341 (H48342)		1	Kit cerniere A/R - DX (SX)	T&T hinge - RH (LH)
H48930		1	Braccio anta secondaria	Secondary sash arm
H48932	D		Asta per braccio anta	Turn only rod arm
H48304	D		Falsa cerniera	False hinge
V1c Cerniere visibili fino a 180 kg / Visible hinges up to 180 kg				
H48345 (H48346)		1	Kit cerniere A/R HD - DX (SX)	T&T hinge HD - RH (LH)
H48931		1	Braccio anta secondaria	Secondary sash arm
H48932	D		Asta per braccio anta	Turn only rod arm
H48304	D		Falsa cerniera	False hinge
Attenzione! Solo anta maggiorata. Squadrette estruse a spinare per anta e telaio (V41010, V41011, 710004)				
Warning! Reinforced sash profile only. Extruded corner joints for outer frames and sash (V41010, V41011, 710004)				
V1d Cerniere nascoste 180° - fino a 100 kg / Concealed hinges 180° - up to 100 kg				
H48302 (H48303)		1	Kit cerniere DX (SX)	Hinges kit RH (LH)
H48532	D		Falsa cerniera C180	False hinge C180
V1e Cerniere nascoste 180° - fino a 150 kg / Concealed hinges 180° - up to 150 kg				
H48321 (H48322)		1	Kit cerniere 150 kg DX (SX)	Hinges kit 150 kg RH (LH)
H48532	D		Falsa cerniera C180	False hinge C180

V2a Martellina / Pin handle				
Martellina / Pin handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
H48119+H48948		1	Meccanismo incasso	Gearbox
Per applicazioni antieffrazione utilizzare martelline H48120 o H48121 (DIN100) For antiburglary applications, use handles H48120 or H48121 (DIN100)				
V2b Cremonese / Cremone handle				
Cremonese / Cremone handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
H43502		1	Kit attacco cremonese	Cremone handle fixing kit

Vxy Varianti disponibili / Available variants

- D In base alle dimensioni / Based on dimensions
O Articolo opzionale / Optional item
T In base alla tipologia / Based on typology
R Articolo gestito su richiesta / Upon request item
RC Variante antieffrazione / Antiburglary variant
☐ Scelta di un articolo elencato / Item to be chosen in the list



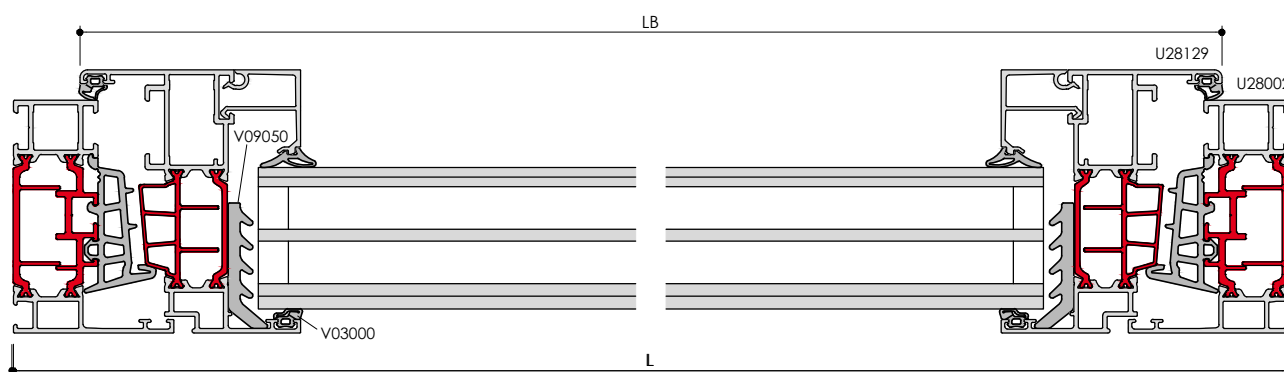
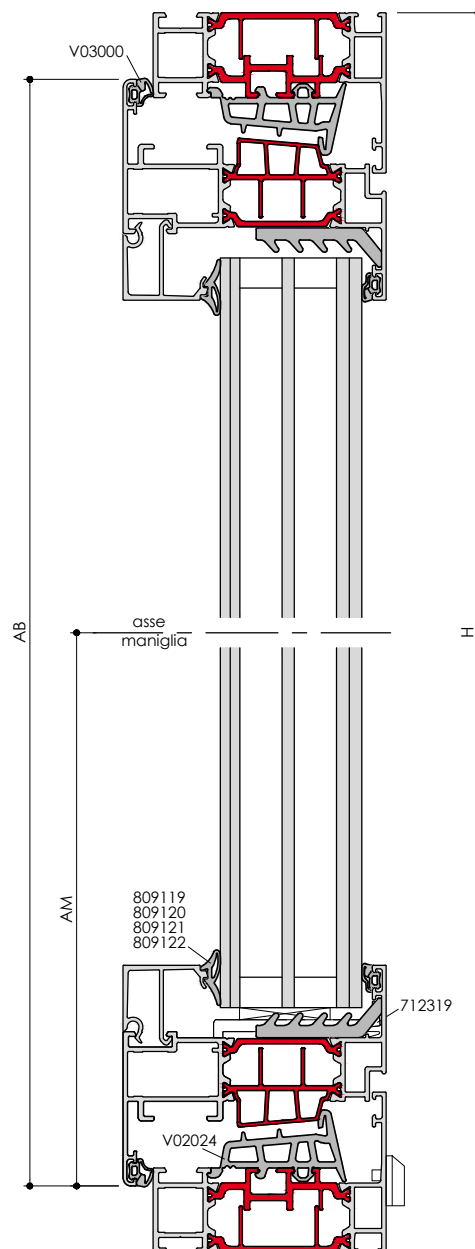
FINESTRA AD ANTA-RIBALTA **TURN AND TILT WINDOW**

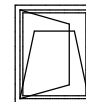
PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
U28002	Horizontal frame	Traverso stipite	2	L	45° - 45°
U28002	Vertical frame	Montante stipite	2	H	45° - 45°
U28129	Horizontal sash	Traverso battente	2	L - 44 (=LB)	45° - 45°
U28129	Vertical sash	Montante battente	2	H - 44 (=AB)	45° - 45°
N48900	Connecting rod	Asta di comando	-	-	90° - 90°
-	Horizontal glazing bead	Fermavetro orizzontale	2	L - 146	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	2	H - 190	90° - 90°

ACCESSORI	desc - ENG	desc - ITA	PEZZI
V43000	Fixed frame corner joint	Squadretta int. stipite	4
V50002 / V50003	Adjusting block fixed	Regolatori stipite	in base alle dimensioni
V54007	Vulcanized central gasket	Angolo giunto aperto	4
710023	Wing ext. corner joint	Squadretta est. battente	4
710041	Wing int. allig. corner joint	Squadretta all. int. battente	4
710055	Wing allig. corner joint	Squadretta all. est. battente	4
710400 / 710401	Screw/pin corner joint	Viti/spine squadrette	16
710408	Wing corner joint	Squadretta int. battente	4
710409	Pin for ex. corner joint	Spina squadretta est. stipite	8
710411	Fixed frame ex. cor. joint	Squadretta est. stipite	4
712005 / 712006	Water drain cap	Mascherina drenaggio	in base alle dimensioni
712007 / 712008	Water drain cap with valve	Mascherina con valvola	
V51007P			
712319	Wing glass cleats	Base tassello vetro	6
-	Glass cleats	Tasselli vetro	-

GUARNIZIONI	desc - ENG	desc - ITA	MISURA
809119÷809122	Interior side glazing	Interna vetro	2L + 2H
V02024	Central gasket	Giunto aperto	2L + 2H
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta int.	4L + 4H
V09050	Insulating element	Elemento isolante	2L + 2H

VEIRO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double or triple glazing	Vetrocamera	1	L - 162	H - 162





Articolo/Item code	Note / Remarks	Pezzi Pieces	Descrizione - ITA	Description - ENG
Articoli di base / Common items				
H48779		1	Kit base A/R e R/A	T&T and TBT kit
H48610		D	Rinvio d'angolo supplementare	Additional corner drive
H48619	Solo per R/A - For TBT only	T	Connettore asta M/M	M/M rod connector
H48620		D	Punto chiusura supplementare	Rod locking point
H48458		O	Braccetto limitatore	Limiter arm
H48539		O	Kit chiusura a scrocco	Latch locking kit
V54013		O	Angolo paraspigolo	Corner protector
V59076		O	Spessori per sensore allarme	Alarm sensor shim
V69012		O	Sensore allarme	Alarm sensor
H48954		RC	Kit aggiuntivo antieffrazione	Additional antiburglary kit
H48781		RC	Chiusura di sicurezza	Security locking point

V1a Cerniere visibili fino a 130 kg / Visible hinges up to 130 kg				
H48341 (H48342)		1	Kit cerniere A/R - DX (SX)	T&T hinge - RH (LH)
H48925	LB 430÷519	☐		
H48926	LB 520÷619	☐		
H48927	LB 620÷1059	☐	1	Braccio A/R
H48927+H48614	LB 1060÷1560	☐		T&T arm

V1b Cerniere visibili fino a 180 kg / Visible hinges up to 180 kg				
H48345 (H48346)		1	Kit cerniere A/R HD - DX (SX)	T&T hinge HD - RH (LH)
H48929	LB 860÷1560	1	Braccio A/R HD	T&T arms HD
Attenzione! Solo anta maggiorata. Squadrette estruse a spinare per anta e telaio (V41010, V41011, 710004)				
Warning! Reinforced sash profile only. Extruded corner joints for outer frames and sash (V41010, V41011, 710004)				

V1c Cerniere nascoste 180° - fino a 100 kg / Concealed hinges 180° - up to 100 kg				
H48907 (H48915)	LB 430÷479	☐		
H48938 (H48940)	LB 480÷609	☐		
H48939 (H48941)	LB 610÷1059	☐	1	Cerniera + braccio DX (SX)
H48939+H48614 (H48941+H48614)	LB 1060÷1560	☐		Hinge + arm RH (LH)

V1d Cerniere nascoste 180° - fino a 150 kg / Concealed hinges 180° - up to 150 kg				
H48942 (H48944)	LB 480÷609	☐		
H48943 (H48945)	LB 610÷1059	☐	1	Cerniera + braccio HD - DX (SX)
H48943+H48614 (H48945+H48614)	LB 1060÷1560	☐		Hinge HD + arm - RH (LH)

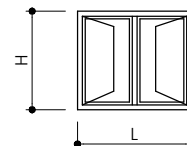
V2a Martellina / Pin handle				
Martellina / Pin handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
H48119+H48948		1	Meccanismo incasso	Gearbox
Per applicazioni antieffrazione utilizzare martelline H48120 o H48121 (DIN100) For antiburglary applications, use handles H48120 or H48121 (DIN100)				

V2b Cremonese / Cremonese handle				
Cremonese / Cremonese handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
H43502		1	Kit attacco cremonese	Cremonese handle fixing kit

Vxy Varianti disponibili / Available variants

- D In base alle dimensioni / Based on dimensions
- O Articolo opzionale / Optional item
- T In base alla tipologia / Based on typology
- R Articolo gestito su richiesta / Upon request item
- RC Variante antieffrazione / Antiburglary variant
- ☐ Scelta di un articolo elencato / Item to be chosen in the list

DISTINTA DI TAGLIO



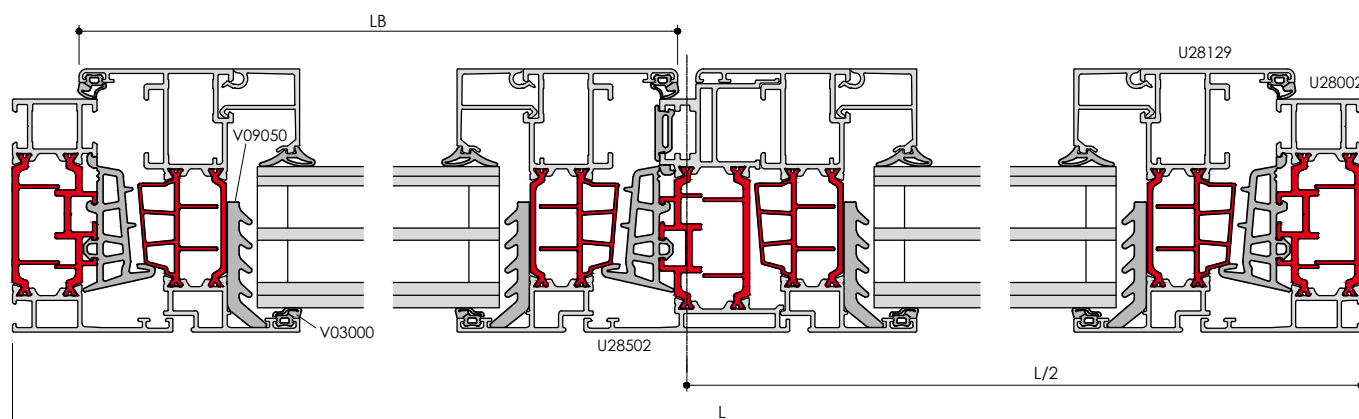
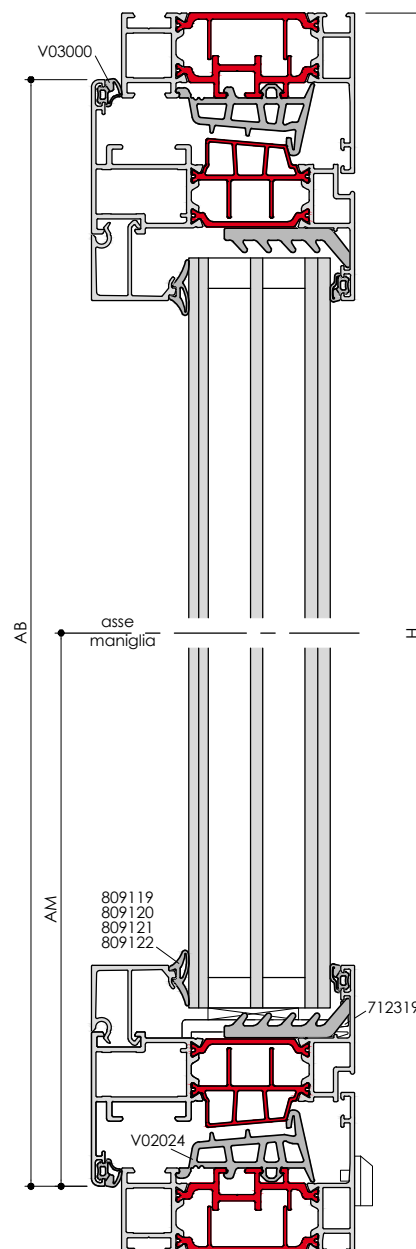
FINESTRA A DUE ANTE CON PROFILO U28502 DOUBLE WING WINDOW WITH U28502 SECTION

PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
U28002	Horizontal frame	Traverso stipite	2	L	45° - 45°
U28002	Vertical frame	Montante stipite	2	H	45° - 45°
U28129	Horizontal sash	Traverso battente	4	L/2 - 25 (=LB)	45° - 45°
U28129	Vertical sash	Montante battente	4	H - 44 (=AB)	45° - 45°
U28502	Vertical central sash	Montante battente centrale	1	H - 118	90° - 90°
-	Horizontal glazing bead	Fermavetro orizzontale	4	L/2 - 127	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	4	H - 190	90° - 90°

ACCESSORI	desc - ENG	desc - ITA	PEZZI
V43000	Fixed frame corner joint	Squadretta int. stipite	4
V50002 / V50003	Adjusting block fixed	Regolatori stipite	In base alle dimensioni
V52043(..)	Two sash for U28502	Coppia tappi per U28502	1
V54007	Vulcanized central gasket	Angolo giunto aperto	4
710023	Wing ext. corner joint	Squadretta esterna battente	8
710041	Wing int. alg. corner joint	Squadretta all. int. battente	6
710055	Wing alg. corner joint	Squadretta all. est. battente	8
710400 / 710401	Screw/pin corner joint	Viti/spine squadrette	24
710408	Wing corner joint	Squadretta int. battente	8
710409	Pin for 710411 corner joint	Spina squadretta 710411	8
710411	Fixed frame external cor. joint	Squadretta esterna stipite	4
712005 / 712006	Water drain cap	Mascherina drenaggio	In base alle dimensioni
712007 / 712008	Water drain cap with valve	Mascherina con valvola	
V51007P			
712319	Wing glass cleats	Base tassello vetro	8
-	Glass cleats	Tasselli vetro	-

GUARNIZIONI	desc - ENG	desc - ITA	MISURA
800990	Cover gasket	Guarnizione di finitura	H
809119+809122	Interior side glazing	Interna vetro	2L + 4H
V02024	Central gasket	Giunto aperto	2L + 3H
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta int.	4L + 7H
V09050	Insulating element	Elemento isolante	2L + 4H

VEURO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double or triple glazing	Vetrocamera	2	L/2 - 143	H - 162

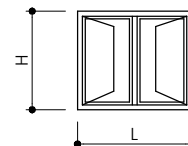


Articolo/Item code		Note / Remarks	Pezzi Pieces	Descrizione - ITA	Description - ENG
Articoli di base / Common items					
H48819	☐			Kit base anta con cremonese	Turn only kit with cremone handle
H48821	☒		1	Kit base anta per martellina	Turn only kit with gearbox
H48819+H48613	☐			Kit base anta per martellina	Turn only kit with gearbox
H48820+H48115 (H48520+H48116)	☐			Chiusure anta secondaria SX (DX)	Secondary closing kit LH (RH)
H48822	☐		1	Chiusure anta secondaria	Secondary closing kit
H48622	☐			Kit catenacci anta secondaria	Finger bolt second sash kit
H48545		≥3		Incontro finestra 2 ante	Two sashes striker
H48820	D			Kit aggiuntivo anta	Additional kit for turn only window
H48621	D			Chiusura suppl. seconda anta	Locking point secondary sash
H48610	D			Rinvio d'angolo supplementare	Additional corner drive
H48620	D			Punto chiusura supplementare	Rod locking point
H48458	O			Braccetto limitatore	Limiter arm
H48539	O			Kit chiusura a scrocco	Latch locking kit
V54013	O			Angolo paraspiangolo	Corner protector
V59076	O			Spessori per sensore allarme	Alarm sensor shim
V69012	O			Sensore allarme	Alarm sensor
H48954	RC			Kit aggiuntivo antieffrazione	Additional antiburglary kit
H48955	RC			Kit antieffrazione seconda anta	Secondary sash antiburglary kit
H48781	RC			Chiusura di sicurezza	Security locking point
H48790	RC			Chiusura di sicurezza seconda anta	Security locking point sec. sash
V1a Cerniere visibili fino a 130 kg / Visible hinges up to 130 kg					
H48339	☐		≥4	Cerniera a due ali	Two leafs hinge
H48340	☐			Cerniera a pettine	Three leafs hinge
Attenzione! Variante non applicabile a soluzioni antieffrazione					
Warning! This variant is not applicable to antiburglary solutions.					
V1b Cerniere visibili fino a 130 kg (con falso braccio) / Visible hinges up to 130 kg (with turn only arm)					
H48341 (H48342)			1	Kit cerniere A/R - DX (SX)	T&T hinge - RH (LH)
H48342 (H48341)			1	Kit cerniere A/R - SX (DX)	T&T hinge - LH (RH)
H48930			2	Braccio anta secondaria	Secondary sash arm
H48932	D			Asta per braccio anta	Turn only rod arm
H48304	D			Falsa cerniera	False hinge
V1c Cerniere visibili fino a 180 kg / Visible hinges up to 180 kg					
H48345 (H48346)			1	Kit cerniere A/R HD - DX (SX)	T&T hinge HD - RH (LH)
H48346 (H48345)			1	Kit cerniere A/R HD - SX (DX)	T&T hinge HD - LH (RH)
H48931			2	Braccio anta secondaria	Secondary sash arm
H48932	D			Asta per braccio anta	Turn only rod arm
H48304	D			Falsa cerniera	False hinge
Attenzione! Solo anta maggiorata. Squadrette estruse a spinare per anta e telaio (V41010, V41011, 710004)					
Warning! Reinforced sash profile only. Extruded corner joints for outer frames and sash (V41010, V41011, 710004)					
V1d Cerniere nascoste 180° - fino a 100 kg / Concealed hinges 180° - up to 100 kg					
H48302			1	Kit cerniere DX	Hinges kit RH
H48303			1	Kit cerniere SX	Hinges kit LH
H48532	D			Falsa cerniera C180	False hinge C180
V1e Cerniere nascoste 180° - fino a 150 kg / Concealed hinges 180° - up to 150 kg					
H48321			1	Kit cerniere 150 kg DX	Hinges kit 150 kg RH
H48322			1	Kit cerniere 150 kg SX	Hinges kit 150 kg LH
H48532	D			Falsa cerniera C180	False hinge C180
V2a Martellina / Pin handle					
Martellina / Pin handle	Vedasi catalogo maniglie AluK See AluK handles catalogue		1		
H48119+H48948			1	Meccanismo incasso	Gearbox
Per applicazioni antieffrazione utilizzare martelline H48120 o H48121 (DIN100) For antiburglary applications, use handles H48120 or H48121 (DIN100)					
V2b Cremonese / Cremone handle					
Cremonese / Cremone handle	Vedasi catalogo maniglie AluK See AluK handles catalogue		1		
H43502			1	Kit attacco cremonese	Cremone handle fixing kit

Vxy Varianti disponibili / Available variants

- D** In base alle dimensioni / Based on dimensions
O Articolo opzionale / Optional item
T In base alla tipologia / Based on typology
R Articolo gestito su richiesta / Upon request item
RC Variante antieffrazione / Antiburglary variant
☐ Scelta di un articolo elencato / Item to be chosen in the list

► DISTINTA DI TAGLIO



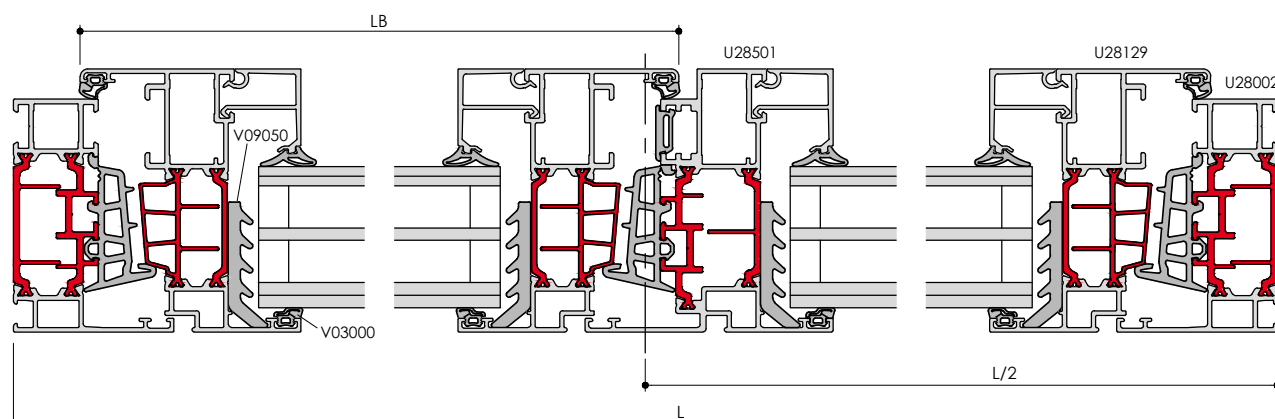
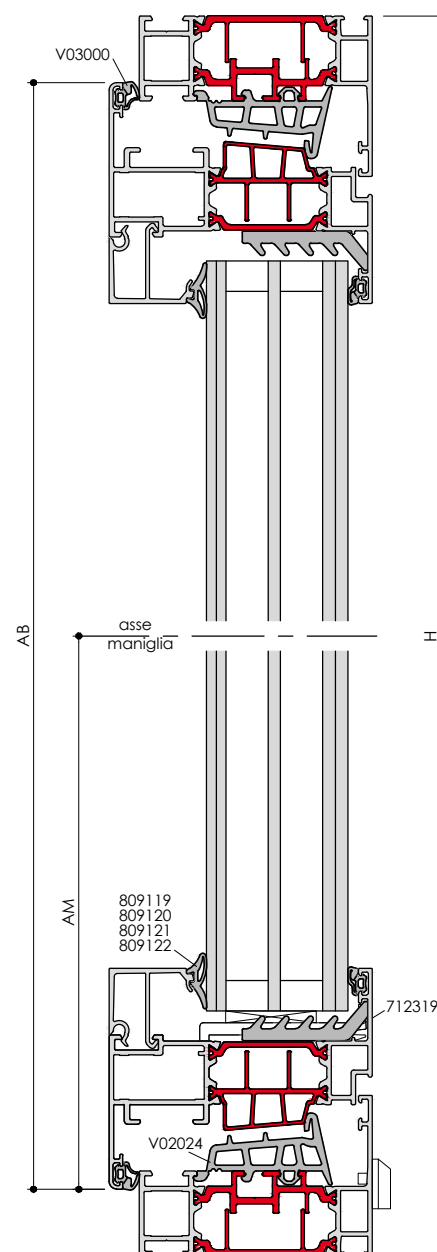
FINESTRA A DUE ANTE CON PROFILO U28501 DOUBLE WING WINDOW WITH U28501 SECTION

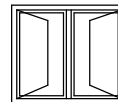
PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
U28002	Horizontal frame	Traverso stipite	2	L	45° - 45°
U28002	Vertical frame	Montante stipite	2	H	45° - 45°
U28129	Horizontal sash	Traverso battente	4	L/2 - 11 (=LB)	45° - 45°
U28129	Vertical sash	Montante battente	3	H - 44 (=AB)	45° - 45°
U28501	Vertical central sash	Montante battente centrale	1	H - 26	45° - 45°
-	Horizontal glazing bead	Fermavetro orizzontale	4	L/2 - 113	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	4	H - 190	90° - 90°

ACCESSORI	desc - ENG	desc - ITA	PEZZI
V43000	Fixed frame corner joint	Squadretta int. stipite	4
V50002 / V50003	Adjusting block fixed	Regolatori stipite	in base alle dimensioni
V52044(..)	Two sash for U28501	Coppia tappi per U28501	1
V54007	Vulcanized central gasket	Angolo giunto aperto	4
710023	Wing ext. corner joint	Squadretta est. battente	8
710041	Wing int. alg. corner joint	Squadretta all. int. battente	6
710055	Wing alg. corner joint	Squadretta all. est. battente	8
710400 / 710401	Screw/pin corner joint	Viti/spine squadrette	24
710408	Wing corner joint	Squadretta int. battente	8
710409	Pin for ex. corner joint	Spina sq. est.stipite	8
710411	Fixed frame ex. cor. joint	Squadretta est. stipite	4
712005 / 712006	Water drain cap	Mascherina drenaggio	in base alle dimensioni
712007 / 712008	Water drain cap with valve	Mascherina con valvola	
V51007P			
712319	Wing glass cleats	Base tassello vetro	8
-	Glass cleats	Tasselli vetro	-

GUARNIZIONI	desc - ENG	desc - ITA	MISURA
800990	Cover gasket	Guarnizione di finitura	H
809119+809122	Interior side glazing	Interna vetro	2L + 4H
V02024	Central gasket	Giunto aperto	2L + 3H
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta int.	4L + 7H
V09050	Insulating element	Elemento isolante	2L + 4H

VEIRO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double or triple glazing	Vetrocamera	2	L/2 - 129	H - 162



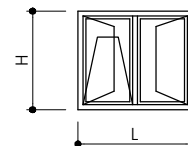


	Articolo/Item code	Note / Remarks	Pezzi Pieces	Descrizione - ITA	Description - ENG
Articoli di base / Common items	Articoli di base / Common items				
	H48819		☐	Kit base anta con cremonese	Turn only kit with cremone handle
	H48821	R	☐	1 Kit base anta per martellina	Turn only kit with gearbox
	H48819+H48613		☐	Kit base anta per martellina	Turn only kit with gearbox
	H48822		☐	1 Chiusure anta secondaria (asta leva)	Secondary closing kit
	H48622		☐	Kit catenacci anta secondaria	Finger bolt second sash kit
	H48545		≥3	Incontro finestra 2 ante	Two sashes striker
	H48820	D		Kit aggiuntivo anta	Additional kit for turn only window
	H48621	D		Chiusura suppl. seconda anta	Locking point secondary sash
	H48610	D		Rinvio d'angolo supplementare	Additional corner drive
	H48620	D		Punto chiusura supplementare	Rod locking point
	H48458	O		Braccetto limitatore	Limiter arm
	H48539	O		Kit chiusura a scrocco	Latch locking kit
	V54013	O		Angolo paraspigolo	Corner protector
	V59076	O		Spessori per sensore allarme	Alarm sensor shim
	V69012	O		Sensore allarme	Alarm sensor
Cerniere / Hinges	V1a Cerniere visibili fino a 130 kg / Visible hinges up to 130 kg				
	H48339		☐	≥4 Cerniera a due ali	Two leafs hinge
	H48340		☐	Cerniera a pettine	Three leafs hinge
	V1b Cerniere visibili fino a 130 kg (con falso braccio) / Visible hinges up to 130 kg (with turn only arm)				
	H48341 (H48342)		1	Kit cerniere A/R - DX (SX)	T&T hinge - RH (LH)
	H48342 (H48341)		1	Kit cerniere A/R - SX (DX)	T&T hinge - LH (RH)
	H48930		2	Braccio anta secondaria	Secondary sash arm
	H48932	D		Asta per braccio anta	Turn only rod arm
	H48304	D		Falsa cerniera	False hinge
	V1c Cerniere nascoste 180° - fino a 100 kg / Concealed hinges 180° - up to 100 kg				
Maniglie / Handles	H48302		1	Kit cerniere DX	Hinges kit RH
	H48303		1	Kit cerniere SX	Hinges kit LH
	H48532	D		Falsa cerniera C180	False hinge C180
	V1d Cerniere nascoste 180° - fino a 150 kg / Concealed hinges 180° - up to 150 kg				
	H48321		1	Kit cerniere 150 kg DX	Hinges kit 150 kg RH
	H48322		1	Kit cerniere 150 kg SX	Hinges kit 150 kg LH
	H48532	D		Falsa cerniera C180	False hinge C180
	V2a Martellina / Pin handle				
	Martellina / Pin handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
	H48119+H48948		1	Meccanismo incasso	Gearbox
	V2b Cremonese / Cremone handle				
	Cremonese / Cremone handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
	H43502		1	Kit attacco cremonese	Cremone handle fixing kit

Vxy Varianti disponibili / Available variants

- D In base alle dimensioni / Based on dimensions
- O Articolo opzionale / Optional item
- T In base alla tipologia / Based on typology
- R Articolo gestito su richiesta / Upon request item
- RC Variante antieffrazione / Antiburglary variant
- ☐ Scelta di un articolo elencato / Item to be chosen in the list

► DISTINTA DI TAGLIO



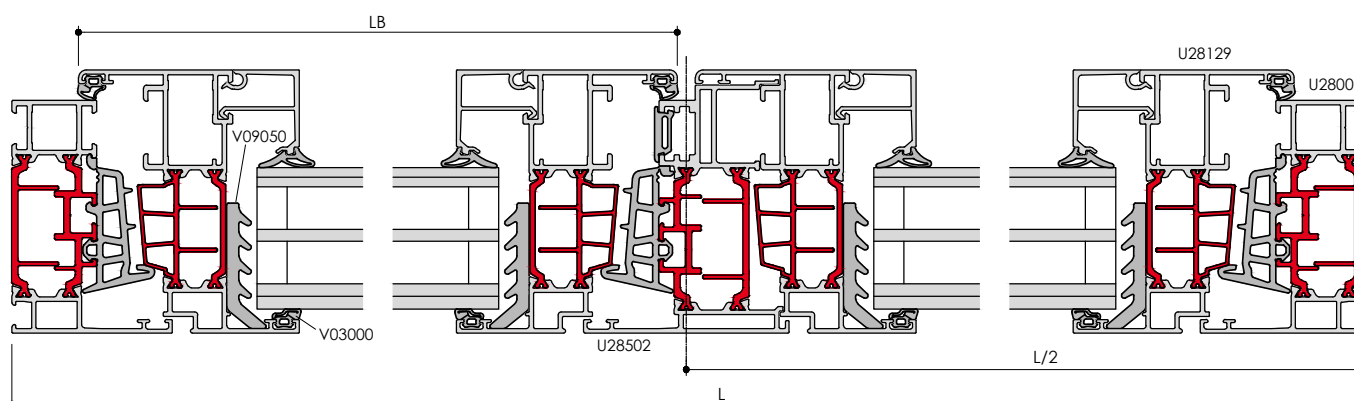
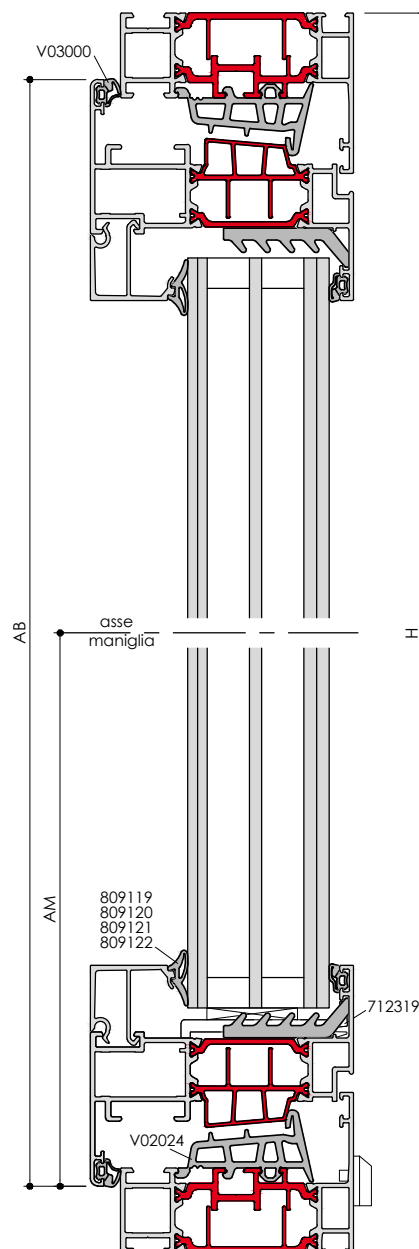
FINESTRA AD ANTA/ANTA RIBALTA PROFILO U28502 TURN/TURN AND TILT WINDOW WITH U28502 SECTION

PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
U28002	Horizontal frame	Traverso stipite	2	L	45° - 45°
U28002	Vertical frame	Montante stipite	2	H	45° - 45°
U28129	Horizontal sash	Traverso battente	4	L/2 - 25 (=LB)	45° - 45°
U28129	Vertical sash	Montante battente	4	H - 44 (=AB)	45° - 45°
U28502	Vertical central sash	Montante battente centrale	1	H - 118	90° - 90°
N20900	Control rod (14-18)	Asta di comando (14-18)	2	-	90° - 90°
N48900	Connecting rod	Asta di connessione	-	-	90° - 90°
-	Horizontal glazing bead	Fermavetro orizzontale	4	L/2 - 127	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	4	H - 190	90° - 90°

ACCESSORI	desc - ENG	desc - ITA	PEZZI
V43000	Fixed frame corner joint	Squadretta int. stipite	4
V50002 / V50003	Adjusting block fixed	Regolatori stipite	In base alle dimensioni
V52043(..)	Two sash for U28502	Coppia tappi per U28502	1
V54007	Vulcanized central gasket	Angolo giunto aperto	4
710023	Wing ext. corner joint	Sq. est. battente	8
710041	Wing int. alig. corner joint	Sq. all. int. battente	6
710055	Wing alig. corner joint	Sq. All. est. battente	8
710400 / 710401	Screw/pin corner joint	Viti/spine squadrette	24
710408	Wing corner joint	Squadretta int. battente	8
710409	Pin for ex. corner joint	Spina sq. est.stipite	8
710411	Fixed frame ex. cor. joint	Sq. est. stipite	4
712005 / 712006	Water drain cap	Mascherina drenaggio	In base alle dimensioni
712007 / 712008	Water drain cap with valve	Mascherina con valvola	
V51007P			
712319	Wing glass cleats	Base tassello vetro	10
-	Glass cleats	Tasselli vetro	-

GUARNIZIONI	desc - ENG	desc - ITA	MISURA
800990	Cover gasket	Guarnizione di finitura	H
809119+809122	Interior side glazing	Interna vetro	2L + 4H
V02024	Central gasket	Giunto aperto	2L + 3H
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta int.	4L + 7H
V09050	Insulating element	Elemento isolante	2L + 4H

VEIRO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double or triple glazing	Vetrocamera	2	L/2 - 143	H - 162



Articolo / Item code	Note / Remarks	Pezzi Pieces	Descrizione - ITA	Description - ENG
Articoli di base / Common items				
H48779		1	Kit base A/R e R/A	T&T and TBT kit
H48544		1	Kit incontri A/R due ante	T&T two sashes strikers kit
H48820+H48115 (H48520+H48116)		☐	Chiusure anta secondaria SX (DX)	Secondary closing kit LH (RH)
H48822		☐	Chiusure anta secondaria	Secondary closing kit
H48622		☐	Kit catenacci anta secondaria	Finger bolt second sash kit
H48610		D	Rinvio d'angolo supplementare	Additional corner drive
H48619	Solo per R/A - For TBT only	T 1	Connettore asta M/M	M/M rod connector
H48620		D	Punto chiusura supplementare	Rod locking point
H48621		D	Chiusura suppl. seconda anta	Locking point secondary sash
H48458		O	Braccetto limitatore	Limiter arm
H48539		O	Kit chiusura a scrocco	Latch locking kit
V54013		O	Angolo parasigolo	Corner protector
V59076		O	Spessori per sensore allarme	Alarm sensor shim
V69012		O	Sensore allarme	Alarm sensor
H48954		RC	Kit antieffrazione	Antiburglary kit
H48955		RC	Kit antieffrazione seconda anta	Secondary sash antiburglary kit
H48781		RC	Chiusura di sicurezza	Security locking point
H48790		RC	Chiusura di sicurezza seconda anta	Security locking point sec. sash

V1a Cerniere visibili fino a 130 kg / Visible hinges up to 130 kg				
H48341 (H48342)		1	Kit cerniere A/R - DX (SX)	T&T hinge - RH (LH)
H48342 (H48341)		1	Kit cerniere A/R - SX (DX)	T&T hinge - LH (RH)
H48925	LB 430÷519	☐	1 Braccio A/R	T&T arm
H48926	LB 520÷619	☐		
H48927	LB 620÷1059	☐		
H48927+H48614	LB 1060÷1560	☐		
H48930		1	Braccio anta secondaria	Secondary sash arm
H48932		D	Asta per braccio anta	Turn only rod arm
H48304		D	Falsa cerniera	False hinge

V1b Cerniere visibili fino a 180 kg / Visible hinges up to 180 kg				
H48345 (H48346)		1	Kit cerniere A/R HD - DX (SX)	T&T hinge HD - RH (LH)
H48346 (H48345)		1	Kit cerniere A/R HD - SX (DX)	T&T hinge HD - LH (RH)
H48929	LB 860÷1560	1	Braccio A/R HD	T&T arms HD
H48931		1	Braccio HD anta secondaria	Secondary HD sash arm
H48932		D	Asta per braccio anta	Turn only rod arm
H48304		D	Falsa cerniera	False hinge
Attenzione! Solo anta maggiorata. Squadrette estruse a spinare per anta e telaio (V41010, V41011, 710004)				
Warning! Reinforced sash profile only. Extruded corner joints for outer frames and sash (V41010, V41011, 710004)				

V1c Cerniere nascoste 180° - fino a 100 kg / Concealed hinges 180° - up to 100 kg				
H48907 (H48915)	LB 430÷479	☐	1 Cerniera + braccio DX (SX)	Hinge + arm RH (LH)
H48938 (H48940)	LB 480÷609	☐		
H48939 (H48941)	LB 610÷1059	☐		
H48939+H48614 (H48941+H48614)	LB 1060÷1560	☐		
H48303 (H48302)		1	Kit cerniere SX (DX)	Hinges kit LH (RH)
H48532		D	Falsa cerniera C180	False hinge C180

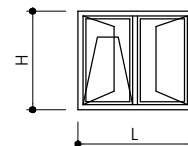
V1d Cerniere nascoste 180° - fino a 150 kg / Concealed hinges 180° - up to 150 kg				
H48942 (H48944)	LB 480÷609	☐	1 Cerniera + braccio HD - DX (SX)	Hinge HD + arm - RH (LH)
H48943 (H48945)	LB 610÷1059	☐		
H48943+H48614 (H48945+H48614)	LB 1060÷1560	☐		
H48322 (H48321)		1	Kit cerniere 150 kg SX (DX)	Hinges kit 150 kg LH (RH)
H48532		D	Falsa cerniera C180	False hinge C180

V2a Martellina / Pin handle				
Martellina / Pin handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
H48119+H48948		1	Meccanismo incasso	Gearbox
Per applicazioni antieffrazione utilizzare martelline H48120 o H48121 (DIN100) For antiburglary applications, use handles H48120 or H48121 (DIN100)				
V2b Cremonese / Cremona handle				
Cremonese / Cremona handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
H43502		1	Kit attacco cremonese	Cremona handle fixing kit

Vxy Varianti disponibili / Available variants

- D In base alle dimensioni / Based on dimensions
O Articolo opzionale / Optional item
T In base alla tipologia / Based on typology
R Articolo gestito su richiesta / Upon request item
RC Variante antieffrazione / Antiburglary variant
☐ Scelta di un articolo elencato / Item to be chosen in the list

DISTINTA DI TAGLIO



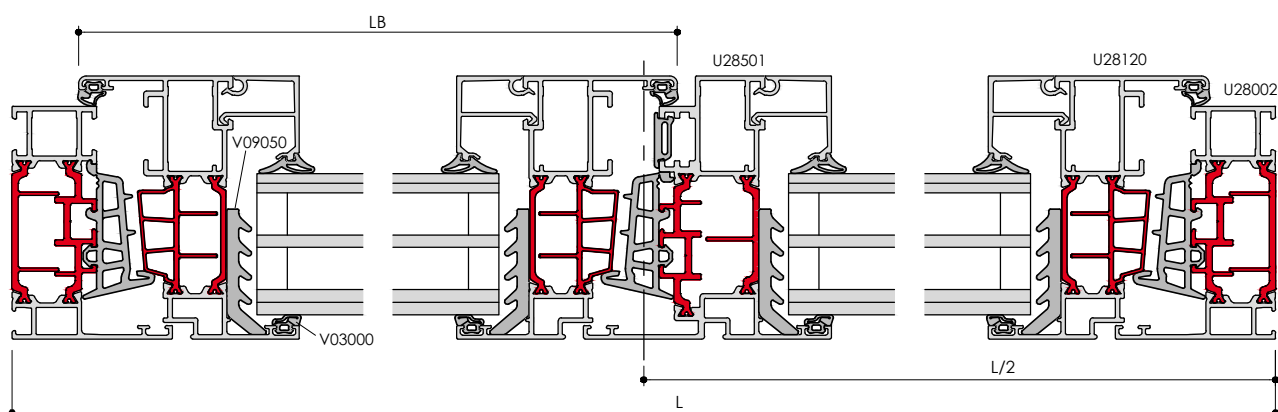
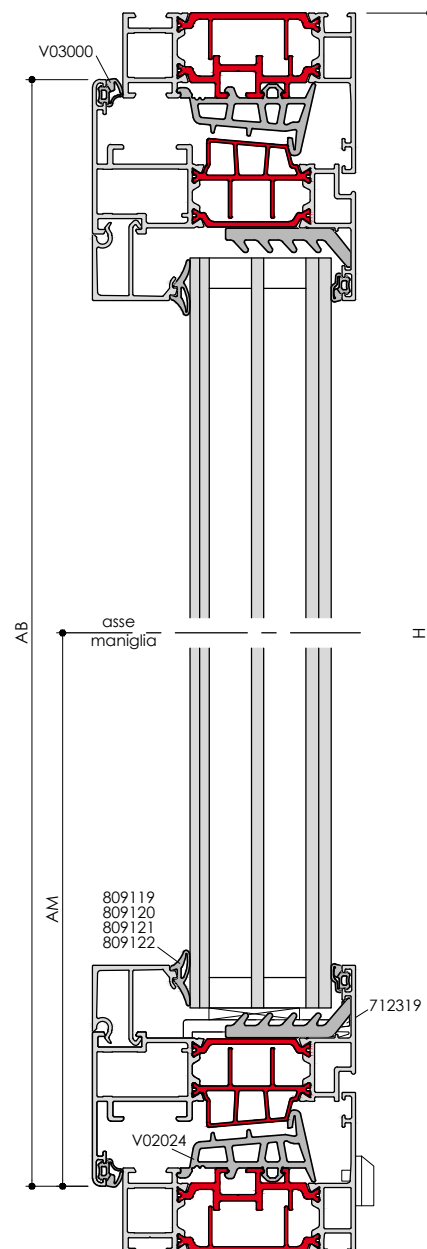
FINESTRA AD ANTA/ANTA RIBALTA PROFILO U28501 TURN/TURN AND TILT WINDOW WITH U28501 SECTION

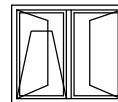
PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
U28002	Horizontal frame	Traverso stipite	2	L	45° - 45°
U28002	Vertical frame	Montante stipite	2	H	45° - 45°
U28129	Horizontal sash	Traverso battente	4	L/2 - 11 (=LB)	45° - 45°
U28129	Vertical sash	Montante battente	3	H - 44 (=AB)	45° - 45°
U28501	Vertical central sash	Montante battente centrale	1	H - 26	45° - 45°
N20900	Control rod (14-18)	Asta di comando (14-18)	2	-	90° - 90°
N48900	Connecting rod	Asta connessione	-	-	90° - 90°
-	Horizontal glazing bead	Fermavetro orizzontale	4	L/2 - 113	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	4	H - 190	90° - 90°

ACCESSORI	desc - ENG	desc - ITA	PEZZI
V43000	Fixed frame corner joint	Squadretta int. stipite	4
V50002/V50003	Adjusting block fixed	Regolatori stipite	In base alle dimensioni
V52044(..)	Two sash for U28501	Coppia tappi per U28501	1
V54007	Vulcanized central gasket	Angolo giunto aperto	4
710023	Wing ext. corner joint	Squadretta est. battente	8
710041	Wing int. allg. corner joint	Squadretta all. int. battente	6
710055	Wing allg. corner joint	Squadretta All. est. battente	8
710400/710401	Screw/pin corner joint	Viti/spine squadrette	24
710408	Wing corner joint	Squadretta int. battente	8
710409	Pin for ex. corner joint	Spina squadretta est.stipite	8
710411	Fixed frame ex. cor. joint	Squadretta esterna stipite	4
712005/712006	Water drain cap	Mascherina drenaggio	In base alle dimensioni
712007/712008	Water drain cap with valve	Mascherina con valvola	
V51007P	Water drain cap with valve	Mascherina con valvola	
712319	Wing glass cleats	Base tassello vetro	8
-	Glass cleats	Tasselli vetro	-

GUARNIZIONI	desc - ENG	desc - ITA	MISURA
800990	Cover gasket	Guarnizione di finitura	H
809119+809122	Interior side glazing	Interna vetro	2L + 4H
V02024	Central gasket	Giunto aperto	2L + 3H
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta interna	4L + 7H
V09050	Insulating element	Elemento isolante	2L + 4H

VEIRO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double or triple glazing	Vetrocamera	2	L/2 - 129	H - 162





Articolo/Item code	Note / Remarks	Pezzi Pieces	Descrizione - ITA	Description - ENG
Articoli di base / Common items				
H48779		1	Kit base A/R e R/A	T&T and TBT kit
H48544		1	Kit incontri A/R due ante	T&T two sashes strikers kit
H48822		☐	Chiusure anta secondaria	Secondary closing kit
H48622		☐	Kit catenacci anta secondaria	Finger bolt second sash kit
H48610		D	Rinvio d'angolo supplementare	Additional corner drive
H48619	Solo per R/A - For TBT only	T	Connettore asta M/M	M/M rod connector
H48620		D	Punto chiusura supplementare	Rod locking point
H48621		D	Chiusura suppl. seconda anta	Locking point secondary sash
H48458		O	Braccetto limitatore	Limiter arm
H48539		O	Kit chiusura a scrocco	Latch locking kit
V54013		O	Angolo paraspigolo	Corner protector
V59076		O	Spessori per sensore allarme	Alarm sensor shim
V69012		O	Sensore allarme	Alarm sensor

V1a Cerniere visibili fino a 130 kg / Visible hinges up to 130 kg				
H48341 (H48342)		1	Kit cerniere A/R - DX (SX)	T&T hinge - RH (LH)
H48342 (H48341)		1	Kit cerniere A/R - SX (DX)	T&T hinge - LH (RH)
H48925	LB 430÷519	☐	1 Braccio A/R	T&T arm
H48926	LB 520÷619	☐		
H48927	LB 620÷1059	☐		
H48927+H48614	LB 1060÷1560	☐		
H48930		1	Braccio anta secondaria	Secondary sash arm
H48932		D	Asta per braccio anta	Turn only rod arm
H48304		D	Falsa cerniera	False hinge

V1b Cerniere nascoste 180° - fino a 100 kg / Concealed hinges 180° - up to 100 kg				
H48907 (H48915)	LB 430÷479	☐	1 Cerniera + braccio DX (SX)	Hinge + arm RH (LH)
H48938 (H48940)	LB 480÷609	☐		
H48939 (H48941)	LB 610÷1059	☐		
H48939+H48614 (H48941+H48614)	LB 1060÷1560	☐		
H48303 (H48302)		1	Kit cerniere SX (DX)	Hinges kit LH (RH)
H48532		D	Falsa cerniera C180	False hinge C180

V1c Cerniere nascoste 180° - fino a 150 kg / Concealed hinges 180° - up to 150 kg				
H48942 (H48944)	LB 480÷609	☐	1 Cerniera + braccio HD - DX (SX)	Hinge HD + arm - RH (LH)
H48943 (H48945)	LB 610÷1059	☐		
H48943+H48614 (H48945+H48614)	LB 1060÷1560	☐		
H48322 (H48321)		1	Kit cerniere 150 kg SX (DX)	Hinges kit 150 kg LH (RH)
H48532		D	Falsa cerniera C180	False hinge C180

V2a Martellina / Pin handle				
Martellina / Pin handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
H48119+H48948		1	Meccanismo incasso	Gearbox

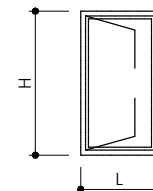
V2b Cremonese / Cremonese handle				
Cremonese / Cremonese handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
H43502		1	Kit attacco cremonese	Cremonese handle fixing kit

Vxy Varianti disponibili / Available variants

- D In base alle dimensioni / Based on dimensions
- O Articolo opzionale / Optional item
- T In base alla tipologia / Based on typology
- R Articolo gestito su richiesta / Upon request item
- RC Variante antieffrazione / Antiburglary variant
- ☐ Scelta di un articolo elencato / Item to be chosen in the list

► DISTINTA DI TAGLIO

PORTABALCONE AD ANTA SINGLE WING BALCONY DOOR

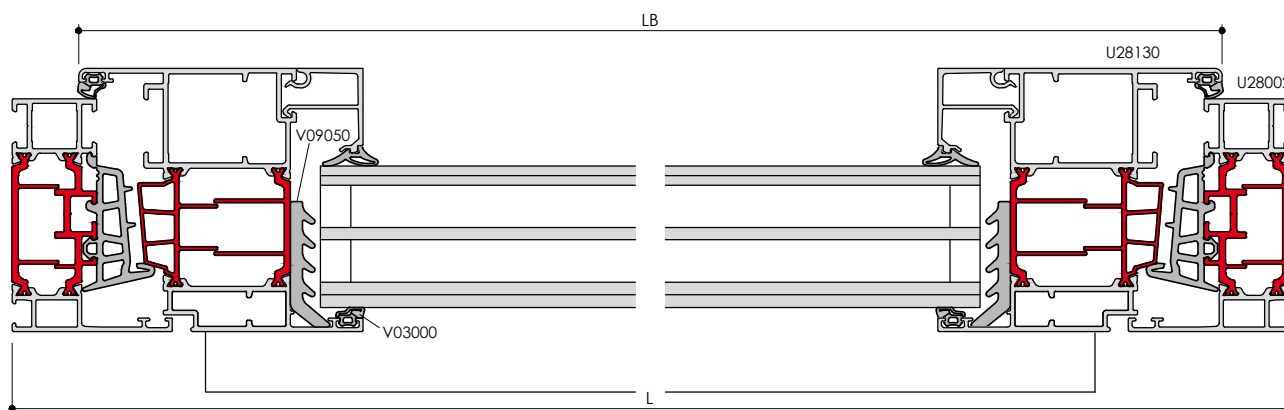
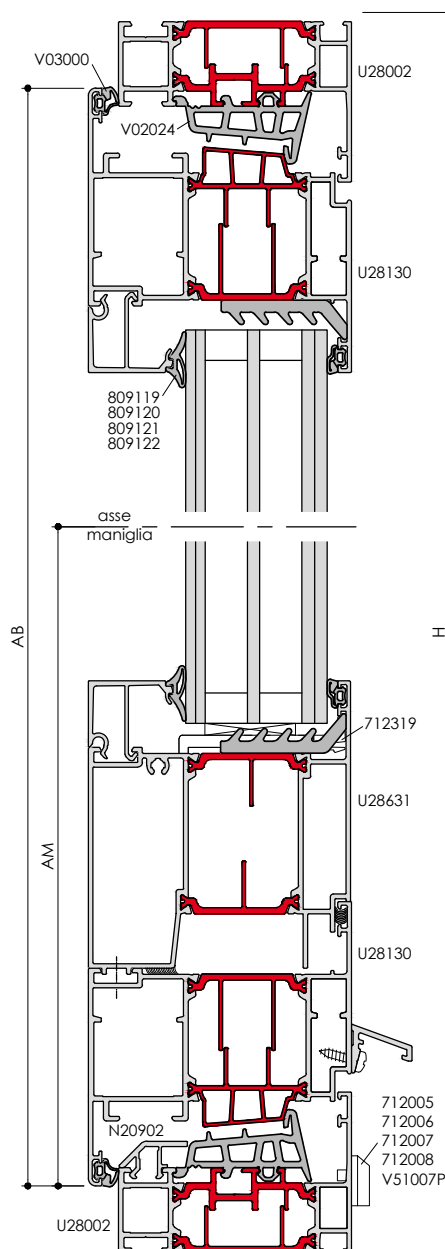


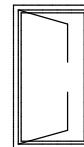
PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
K50	Weather bar	Gocciolatoio	1	L - 128	90° - 90°
U28002	Horizontal frame	Traverso stipite	2	L	45° - 45°
U28002	Vertical frame	Montante stipite	2	H	45° - 45°
U28130	Horizontal sash 57mm	Traverso battente 57mm	2	L - 44 (=LB)	45° - 45°
U28130	Vertical sash 57mm	Montante battente 57mm	2	H - 44 (=AB)	45° - 45°
U28631	Additional sash 73mm	Aggiuntivo anta 73mm	1	L - 188	90° - 90°
-	Horizontal glazing bead	Fermavetro orizzontale	2	L - 188	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	2	H - 305	90° - 90°

ACCESSORI	desc - ENG	desc - ITA	PEZZI
V43000	Fixed frame corner joint	Squadretta Int. stipite	4
V50002 / V50003	Adjusting block fixed	Regolatori stipite	in base alle dimensioni
V54007	Vulcanized central gasket	Angolo giunto aperto	4
710024	Wing ext. corner joint	Sq. est. battente	4
710041	Wing int. allg. corner joint	Sq. all. Int. battente	4
710055	Wing allg. corner joint	Sq. All. est. battente	4
710400 / 710401	Screw / pin corner joint	Viti/spine squadrette	16
710404	Oversized wing corner joint	Squadretta Int. batt. magg.	4
710409	Pin for ex. corner joint	Spina sq. est.stipite	8
710411	Fixed frame ex. cor. joint	Sq. est. stipite	4
712005 / 712006	Water drain cap	Mascherina drenaggio	in base alle dimensioni
712007 / 712008	Water drain cap with valve	Mascherina con valvola	
V51007P			
712010	Drip plugs	Tappi gocciolatoio	1
712319	Wing glass cleats	Base tassello vetro	4
-	Glass cleats	Tasselli vetro	-

GUARNIZIONI	desc - ENG	desc - ITA	MISURA
809119+809122	Interior side glazing	Interna vetro	2L + 2H
V02024	Central gasket	Giunto aperto	2L + 2H
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta int.	4L + 4H
V09050	Insulating element	Elemento isolante	2L + 2H

VERO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double glass	Vetrocamera	1	L - 204	H - 277





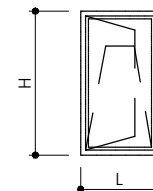
	Articolo/Item code	Note / Remarks	Pezzi Pieces	Descrizione - ITA	Description - ENG
Articoli di base / Common items	Articoli di base / Common items				
	H48819	☐		Kit base anta con cremonese	Turn only kit with cremone handle
	H48821	R ☐	1	Kit base anta per martellina	Turn only kit with gearbox
	H48819+H48613	☐		Kit base anta per martellina	Turn only kit with gearbox
	H48820	D		Kit aggiuntivo anta	Additional kit for turn only window
	H48610	D		Rinvio d'angolo supplementare	Additional corner drive
	H48620	D		Punto chiusura supplementare	Rod locking point
	H48458	O		Braccetto limitatore	Limiter arm
	H48539	O		Kit chiusura a scrocco	Latch locking kit
	V54013	O		Angolo parasigolo	Corner protector
	V59076	O		Spessori per sensore allarme	Alarm sensor shim
	V69012	O		Sensore allarme	Alarm sensor
	H48954	RC		Kit aggiuntivo antieffrazione	Additional antiburglary kit
	H48781	RC		Chiusura di sicurezza	Security locking point
Cerniere / Hinges	V1a Cerniere visibili fino a 130 kg / Visible hinges up to 130 kg				
	H48339	☐	≥2	Cerniera a due ali	Two leafs hinge
	H48340	☐		Cerniera a pettine	Three leafs hinge
	Attenzione! Variante non applicabile a soluzioni antieffrazione Warning! This variant is not applicable to antiburglary solutions.				
	V1b Cerniere visibili fino a 130 kg (con falso braccio) / Visible hinges fino a 130 kg (with turn only arm)				
	H48341 (H48342)		1	Kit cerniere A/R - DX (SX)	T&T hinge - RH (LH)
	H48930		1	Braccio anta secondaria	Secondary sash arm
	H48932	D		Asta per braccio anta	Turn only rod arm
	H48304	D		Falsa cerniera	False hinge
	V1c Cerniere visibili fino a 180 kg / Visible hinges up to 180 kg				
	H48345 (H48346)		1	Kit cerniere A/R HD - DX (SX)	T&T hinge HD - RH (LH)
	H48931		1	Braccio anta secondaria	Secondary sash arm
	H48932	D		Asta per braccio anta	Turn only rod arm
	H48304	D		Falsa cerniera	False hinge
	Attenzione! Solo anta maggiorata. Squadrette estruse a spinare per anta e telaio (V41010, V41011, 710004) Warning! Reinforced sash profile only. Extruded corner joints for outer frames and sash (V41010, V41011, 710004)				
	V1d Cerniere nascoste 180° - fino a 100 kg / Concealed hinges 180° - up to 100 kg				
	H48302 (H48303)		1	Kit cerniere DX (SX)	Hinges kit RH (LH)
	H48532	D		Falsa cerniera C180	False hinge C180
	V1e Cerniere nascoste 180° - fino a 150 kg / Concealed hinges 180° - up to 150 kg				
	H48321 (H48322)		1	Kit cerniere 150 kg DX (SX)	Hinges kit 150 kg RH (LH)
	H48532	D		Falsa cerniera C180	False hinge C180
Maniglie / Handles	V2a Martellina / Pin handle				
	Martellina / Pin handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
	H48119+H48948		1	Meccanismo incasso	Gearbox
	Per applicazioni antieffrazione utilizzare martelline H48120 o H48121 (DIN100) For antiburglary applications, use handles H48120 or H48121 (DIN100)				
	V2b Cremonese / Cremone handle				
	Cremonese / Cremone handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
	H43502		1	Kit attacco cremonese	Cremone handle fixing kit

Vxy Varianti disponibili / Available variants

- D** In base alle dimensioni / Based on dimensions
O Articolo opzionale / Optional item
T In base alla tipologia / Based on typology
R Articolo gestito su richiesta / Upon request item
RC Variante antieffrazione / Antiburglary variant
☐ Scelta di un articolo elencato / Item to be chosen in the list

DISTINTA DI TAGLIO

PORTABALCONE AD ANTA RIBALTA CON SOGLIA U28400 SINGLE WING TURN AND TILT BALCONY DOOR WITH U28400 SILL

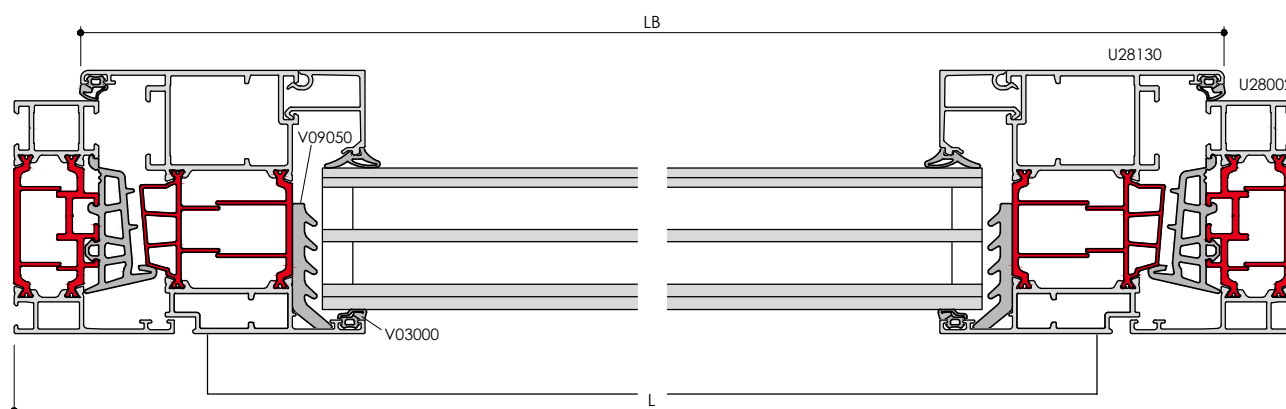
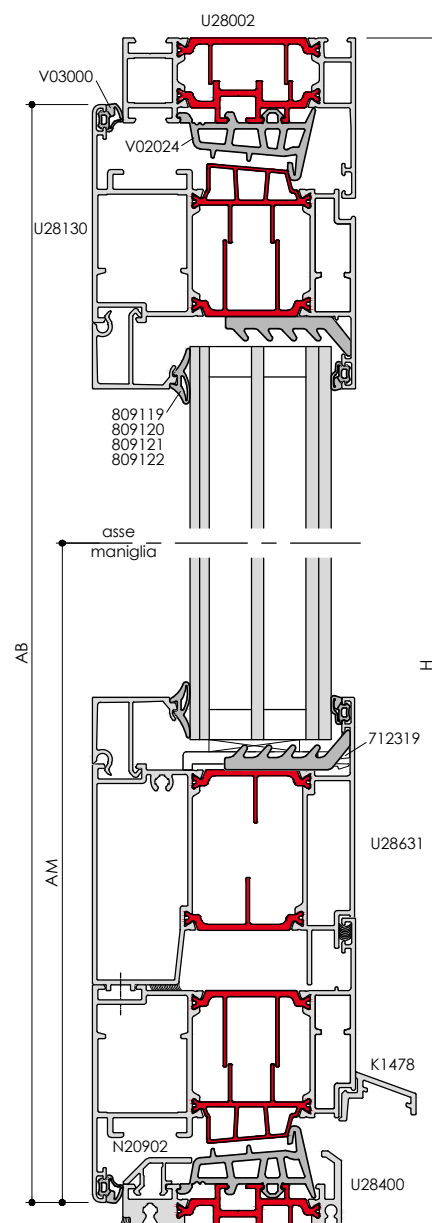


PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
K1478	Weather bar	Gocciolatoio	1	L - 128	90° - 90°
U28002	Horizontal frame	Traverso stipite	1	L	45° - 45°
U28002	Vertical frame	Montante stipite	1	H	45° - 90°
U28002	Vertical frame	Montante stipite	1	H	90° - 45°
U28130	Horizontal sash 57mm	Traverso battente 57mm	2	L - 44 (=LB)	45° - 45°
U28130	Vertical sash 57mm	Montante battente 57mm	2	H - 30 (=AB)	45° - 45°
U28400	Balcony-door threshold	Soglia portabalcone	1	L - 47	90° - 90°
U28631	Additional sash 73mm	Aggiuntivo anta 73mm	1	L - 188	90° - 90°
N20902	Cover balconydoor thres.	copri soglia	-	-	90° - 90°
N48900	Connecting rod	Asta di connessione	-	-	90° - 90°
-	Horizontal glazing bead	Fermavetro orizzontale	2	L - 188	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	2	H - 291	90° - 90°

ACCESSORI	desc - ENG	desc - ITA	PEZZI
V43000	Fixed frame corner joint	Squadretta int. stipite	2
V50002 / V50003	Adjusting block fixed	Regolatori stipite	in base alle dimensioni
V54007	Vulcanized central gasket	Angolo giunto aperto	4
710024	Wing ext. corner joint	Squadretta est. battente	4
710041	Wing int. allg. corner joint	Squadretta all. int. battente	4
710055	Wing allg. corner joint	Squadretta all. est. battente	4
710400/710401	Screw/pin corner joint	Viti/spine squadrette	12
710404	Oversized wing corner joint	Squadretta int. batt. magg.	4
710409	Pin for ex. corner joint	Spina sq. est.stipite	4
710411	Fixed frame ex. cor. joint	Squadretta est. stipite	2
712005 / 712006	Water drain cap	Mascherina drenaggio	in base alle dimensioni
712007 / 712008	Water drain cap with valve	Mascherina con valvola	
V51007P			
712010	Drip plugs	Tappi gocciolatoio	1
712319	Wing glass cleats	Base tassello vetro	6
-	Glass cleats	Tasselli vetro	-

GUARNIZIONI	desc - ENG	desc - ITA	MISURA
809119-809122	Interior side glazing	Interna vetro	2L + 2H
V02024	Central gasket	Giunto aperto	2L + 2H
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta int.	4L + 4H
V09050	Insulating element	Elemento isolante	2L + 2H

VEIRO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double or triple glazing	Vetrocamera	1	L - 204	H - 263





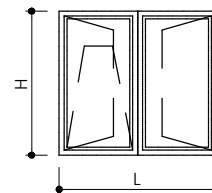
	Articolo/Item code	Note / Remarks	Pezzi Pieces	Descrizione - ITA	Description - ENG
Articoli di base / Common items	Articoli di base / Common items				
	H48779		1	Kit base A/R e R/A	T&T and TBT kit
	H48610		D	Rinvio d'angolo supplementare	Additional corner drive
	H48619	Solo per R/A - For TBT only	T	1 Connettore asta M/M	M/M rod connector
	H48620		D	Punto chiusura supplementare	Rod locking point
	H48458		O	Braccetto limitatore	Limiter arm
	H48539		O	Kit chiusura a scrocco	Latch locking kit
	V54013		O	Angolo paraspigolo	Corner protector
	V59076		O	Spessori per sensore allarme	Alarm sensor shim
	V69012		O	Sensore allarme	Alarm sensor
	H48954		RC	Kit aggiuntivo antieffrazione	Additional antiburglary kit
	H48781		RC	Chiusura di sicurezza	Security locking point
V1a Cerniere visibili fino a 130 kg / Visible hinges up to 130 kg					
	H48341 (H48342)		1	Kit cerniere A/R - DX (SX)	T&T hinge - RH (LH)
	H48925	LB 430÷519	☐	1 Braccio A/R	T&T arm
	H48926	LB 520÷619	☐		
	H48927	LB 620÷1059	☐		
	H48927+H48614	LB 1060÷1560	☐		
V1b Cerniere visibili fino a 180 kg / Visible hinges up to 180 kg					
	H48345 (H48346)		1	Kit cerniere A/R HD - DX (SX)	T&T hinge HD - RH (LH)
	H48929	LB 860÷1560	1	Braccio A/R HD	T&T arms HD
	Attenzione! Solo anta maggiorata. Squadrette estruse a spinare per anta e telaio (V41010, V41011, 710004)				
	Warning! Reinforced sash profile only. Extruded corner joints for outer frames and sash (V41010, V41011, 710004)				
V1c Cerniere nascoste 180° - fino a 100 kg / Concealed hinges 180° - up to 100 kg					
	H48907 (H48915)	LB 430÷479	☐	1 Cerniera + braccio DX (SX)	Hinge + arm RH (LH)
	H48938 (H48940)	LB 480÷609	☐		
	H48939 (H48941)	LB 610÷1059	☐		
	H48939+H48614 (H48941+H48614)	LB 1060÷1560	☐		
V1d Cerniere nascoste 180° - fino a 150 kg / Concealed hinges 180° - up to 150 kg					
	H48942 (H48944)	LB 480÷609	☐	1 Cerniera + braccio HD - DX (SX)	Hinge HD + arm - RH (LH)
	H48943 (H48945)	LB 610÷1059	☐		
	H48943+H48614 (H48945+H48614)	LB 1060÷1560	☐		
V2a Martellina / Pin handle					
	Martellina / Pin handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
	H48119+H48948		1	Meccanismo incasso	Gearbox
	Per applicazioni antieffrazione utilizzare martelline H48120 o H48121 (DIN100) For antiburglary applications, use handles H48120 or H48121 (DIN100)				
V2b Cremonese / Cremonese handle					
	Cremonese / Cremonese handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
	H43502		1	Kit attacco cremonese	Cremonese handle fixing kit

Vxy Varianti disponibili / Available variants

- D In base alle dimensioni / Based on dimensions
 O Articolo opzionale / Optional item
 T In base alla tipologia / Based on typology
 R Articolo gestito su richiesta / Upon request item
 RC Variante antieffrazione / Antiburglary variant
☐ Scelta di un articolo elencato / Item to be chosen in the list

DISTINTA DI TAGLIO

PORTABALCONE AD ANTA/ ANTA RIBALTA CON SOGLIA U28400 TURN/ TURN AND TILT WING BALCONY DOOR WITH U28400 SILL

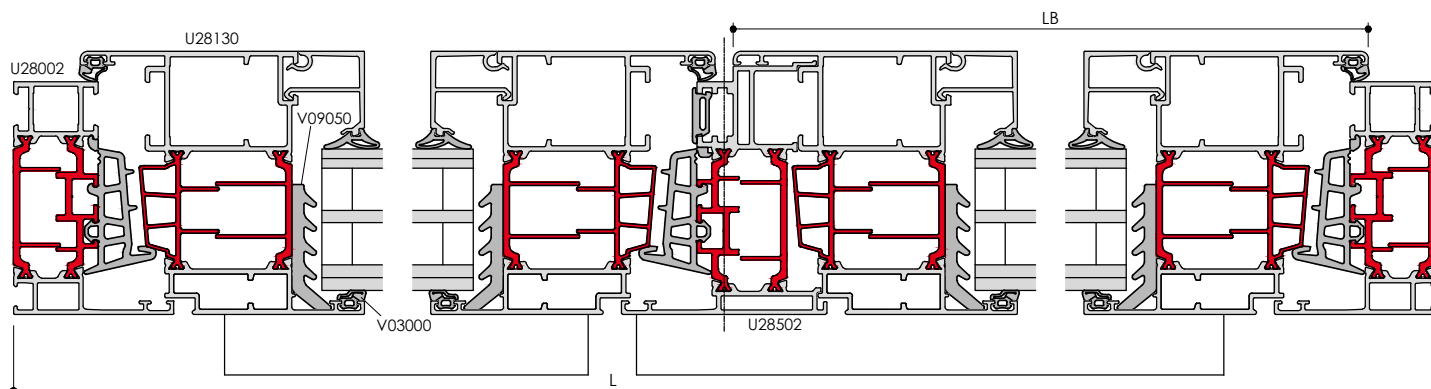
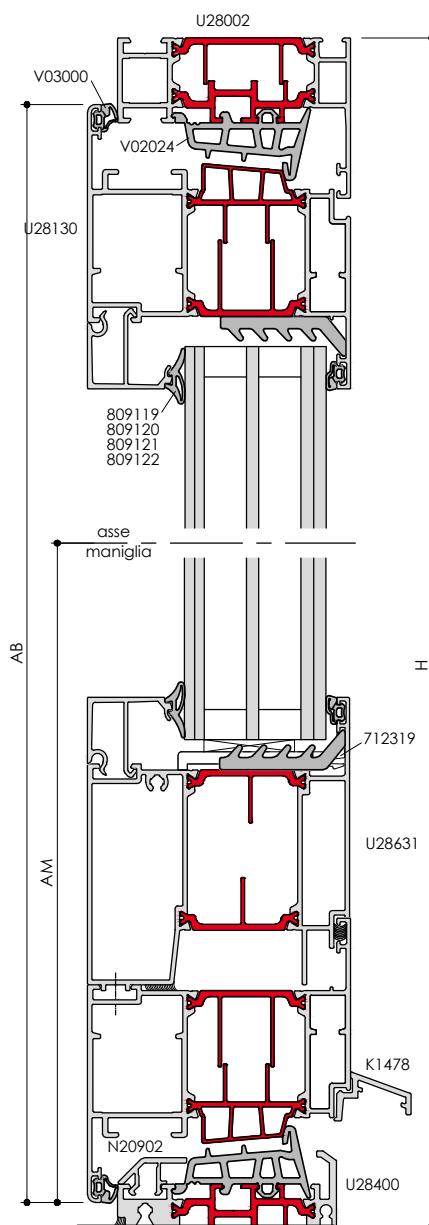


PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
K1478	Weather bar	Gocciolatoio	1	L/2 - 109	90° - 90°
K1478	Weather bar	Gocciolatoio	1	L/2 - 35	90° - 90°
U28002	Horizontal frame	Traverso stipite	1	L	45° - 45°
U28002	Vertical frame	Montante stipite	1	H	45° - 90°
U28002	Vertical frame	Montante stipite	1	H	90° - 45°
U28130	Horizontal sash 57mm	Traverso battente 57mm	4	L/2 - 25 (=LB)	45° - 45°
U28130	Vertical sash 57mm	Montante battente 57mm	4	H - 30 (=AB)	45° - 45°
U28400	Balcony-door threshold	Soglia portabalcone	1	L - 47	90° - 90°
U28502	Vertical central sash	Montante battente centrale	1	H - 104	90° - 90°
U28631	Additional sash 73mm	Aggiuntivo anta 73mm	2	L/2 - 169	90° - 90°
N20900	Control rod (14-18)	Asta di comando (14-18)	-	-	90° - 90°
N20902	Cover balconydoor thres.	copri soglia	-	-	90° - 90°
N48900	Connecting rod	Asta di connessione	-	-	90° - 90°
-	Horizontal glazing bead	Fermavetro orizzontale	4	L/2 - 169	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	4	H - 291	90° - 90°

ACCESSORI	desc - ENG	desc - ITA	PEZZI
V43000	Fixed frame corner joint	Squadretta int. stipite	2
V50002 / V50003	Adjusting block fixed	Regolatori stipite	in base alle dimensioni
V52043(..)	Two sash for U20502	Coppia tappi per U20502	1
V54007	Vulcanized central gasket	Angolo giunto aperto	4
710024	Wing ext. corner joint	Squadretta est. battente	8
710041	Wing int. alg. corner joint	Squadretta all. int. battente	6
710055	Wing alg. corner joint	Squadretta All. est. battente	8
710400 / 710401	Screw/pin corner joint	Viti/spine squadrette	20
710404	Oversized wing corner joint	Squadretta int. batt. magg.	8
710409	Pin for ex. corner joint	Spina sq. est.stipite	4
710411	Fixed frame ex. cor. joint	Squadretta est. stipite	2
712005 / 712006	Water drain cap	Mascherina drenaggio	in base alle dimensioni
712007 / 712008	Water drain cap with valve	Mascherina con valvola	
V51007P			
712010	Drip plugs	Tappi gocciolatoio	2
712319	Wing glass cleats	Base tassello vetro	10
-	Glass cleats	Tasselli vetro	-

GUARNIZIONI	desc - ENG	desc - ITA	MISURA
800990	Cover gasket	Guarnizione di finitura	H
809119 ÷ 809122	Interior side glazing	Interna vetro	2L + 4H
V02024	Central gasket	Giunto aperto	2L + 3H
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta int.	4L + 7H
V09050	Insulating element	Elemento isolante	2L + 4H

VEIRO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double or triple glazing	Vetrocamera	2	L/2 - 185	H - 263



Articolo/Item code	Note / Remarks	Pezzi Pieces	Descrizione - ITA	Description - ENG
Articoli di base / Common items				
H48779		1	Kit base A/R e R/A	T&T and TBT kit
H48544		1	Kit incontri A/R due ante	T&T two sashes strikers kit
H48820+H48115 (H48520+H48116)		☐	Chiusure anta secondaria SX (DX)	Secondary closing kit LH (RH)
H48822		☐	Chiusure anta secondaria	Secondary closing kit
H48622		☐	Kit catenacci anta secondaria	Finger bolt second sash kit
H48610		D	Rinvio d'angolo supplementare	Additional corner drive
H48619	Solo per R/A - For TBT only	T 1	Connettore asta M/M	M/M rod connector
H48620		D	Punto chiusura supplementare	Rod locking point
H48621		D	Chiusura suppl. seconda anta	Locking point secondary sash
H48458		O	Braccetto limitatore	Limiter arm
H48539		O	Kit chiusura a scrocco	Latch locking kit
V54013		O	Angolo paraspirolo	Corner protector
V59076		O	Spessori per sensore allarme	Alarm sensor shim
V69012		O	Sensore allarme	Alarm sensor
H48954		RC	Kit antieffrazione	Antiburglary kit
H48955		RC	Kit antieffrazione seconda anta	Secondary sash antiburglary kit
H48781		RC	Chiusura di sicurezza	Security locking point
H48790		RC	Chiusura di sicurezza seconda anta	Security locking point sec. sash

V1a Cerniere visibili fino a 130 kg / Visible hinges up to 130 kg				
H48341 (H48342)		1	Kit cerniere A/R - DX (SX)	T&T hinge - RH (LH)
H48342 (H48341)		1	Kit cerniere A/R - SX (DX)	T&T hinge - LH (RH)
H48925	LB 430÷519	☐	1 Braccio A/R	T&T arm
H48926	LB 520÷619	☐		
H48927	LB 620÷1059	☐		
H48927+H48614	LB 1060÷1560	☐		
H48930		1	Braccio anta secondaria	Secondary sash arm
H48932		D	Asta per braccio anta	Turn only rod arm
H48304		D	Falsa cerniera	False hinge

V1b Cerniere visibili fino a 180 kg / Visible hinges up to 180 kg				
H48345 (H48346)		1	Kit cerniere A/R HD - DX (SX)	T&T hinge HD - RH (LH)
H48346 (H48345)		1	Kit cerniere A/R HD - SX (DX)	T&T hinge HD - LH (RH)
H48929	LB 860÷1560	1	Braccio A/R HD	T&T arms HD
H48931		1	Braccio HD anta secondaria	Secondary HD sash arm
H48932		D	Asta per braccio anta	Turn only rod arm
H48304		D	Falsa cerniera	False hinge
Attenzione! Solo anta maggiorata. Squadrette estruse a spinare per anta e telaio (V41010, V41011, 710004)				
Warning! Reinforced sash profile only. Extruded corner joints for outer frames and sash (V41010, V41011, 710004)				

V1c Cerniere nascoste 180° - fino a 100 kg / Concealed hinges 180° - up to 100 kg				
H48907 (H48915)	LB 430÷479	☐	1 Cerniera + braccio DX (SX)	Hinge + arm RH (LH)
H48938 (H48940)	LB 480÷609	☐		
H48939 (H48941)	LB 610÷1059	☐		
H48939+H48614 (H48941+H48614)	LB 1060÷1560	☐		
H48303 (H48302)		1	Kit cerniere SX (DX)	Hinges kit LH (RH)
H48532		D	Falsa cerniera C180	False hinge C180

V1d Cerniere nascoste 180° - fino a 150 kg / Concealed hinges 180° - up to 150 kg				
H48942 (H48944)	LB 480÷609	☐	1 Cerniera + braccio HD - DX (SX)	Hinge HD + arm - RH (LH)
H48943 (H48945)	LB 610÷1059	☐		
H48943+H48614 (H48945+H48614)	LB 1060÷1560	☐		
H48322 (H48321)		1	Kit cerniere 150 kg SX (DX)	Hinges kit 150 kg LH (RH)
H48532		D	Falsa cerniera C180	False hinge C180

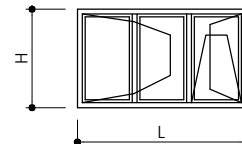
V2a Martellina / Pin handle				
Martellina / Pin handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
H48119+H48948		1	Meccanismo incasso	Gearbox
Per applicazioni antieffrazione utilizzare martelline H48120 o H48121 (DIN100) For antiburglary applications, use handles H48120 or H48121 (DIN100)				
V2b Cremonese / Cremonese handle				
Cremonese / Cremonese handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
H43502		1	Kit attacco cremonese	Cremonese handle fixing kit

Vxy Varianti disponibili / Available variants

- D In base alle dimensioni / Based on dimensions
O Articolo opzionale / Optional item
T In base alla tipologia / Based on typology
R Articolo gestito su richiesta / Upon request item
RC Variante antieffrazione / Antiburglary variant
☐ Scelta di un articolo elencato / Item to be chosen in the list

DISTINTA DI TAGLIO

FINESTRA A TRE ANTE THREE WING WINDOW

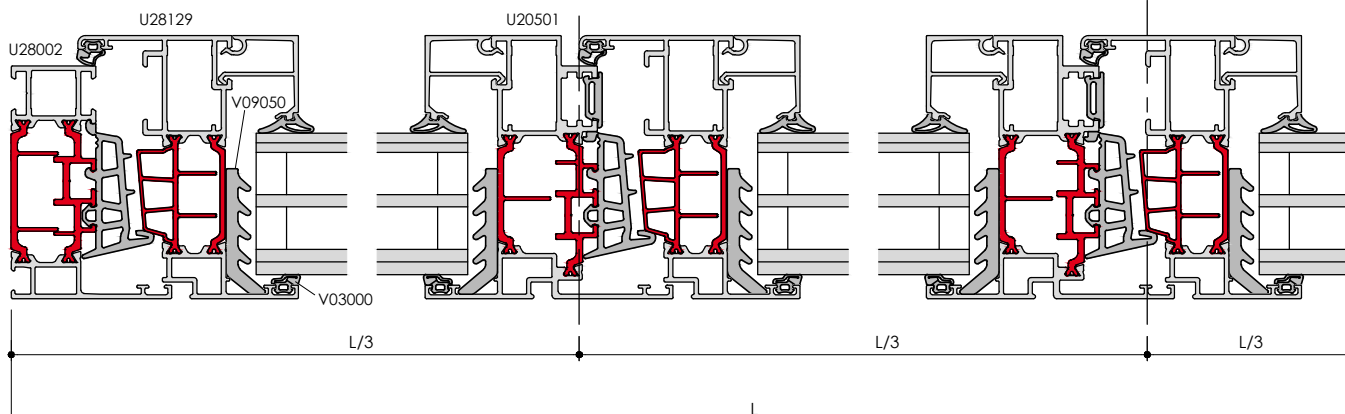
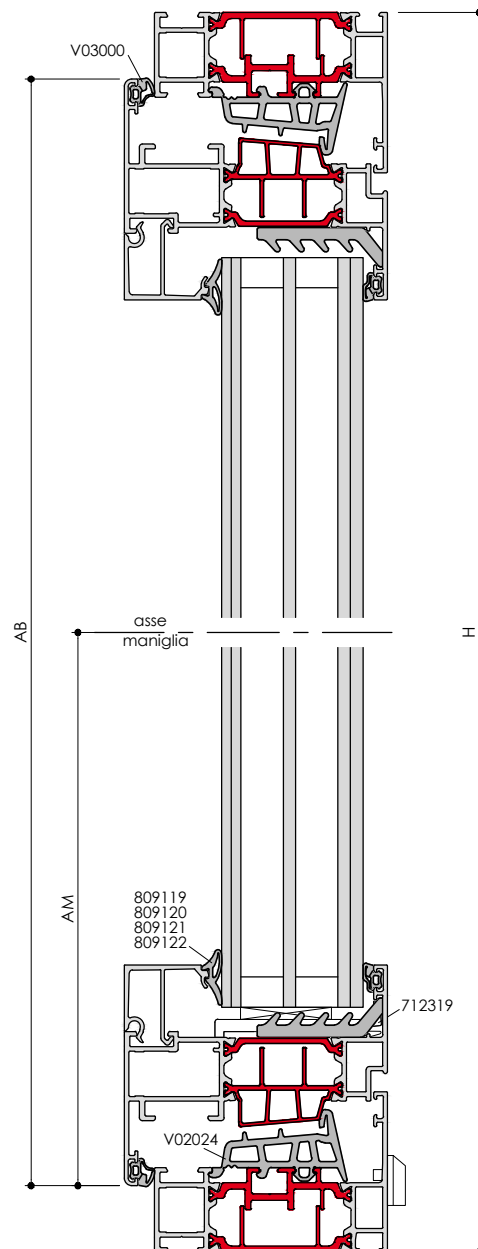


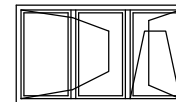
PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
U28002	Horizontal frame	Traverso stipite	2	L	45° - 45°
U28002	Vertical frame	Montante stipite	2	H	45° - 45°
U28129	Horizontal sash	Traverso battente	6	L/3 (=LB)	45° - 45°
U28129	Vertical sash	Montante battente	4	H - 44 (=AB)	45° - 45°
U28501	Vertical central sash	Montante battente centrale	2	H - 26	45° - 45°
N20900	Control rod (14-18)	Asta di comando (14-18)	4	-	90° - 90°
N48900	Connecting rod	Asta di connessione	-	-	90° - 90°
-	Horizontal glazing bead	Fermavetro orizzontale	6	L/3 - 102	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	6	H - 190	90° - 90°

ACCESSORI	desc - ENG	desc - ITA	PEZZI
V43000	Fixed frame corner joint	Squadretta int. stipite	4
V50002 / V50003	Adjusting block fixed	Regolatori stipite	In base alle dimensioni
V52044(..)	Two sash for U28501	Coppia tappi per U28501	2
V54007	Vulcanized central gasket	Angolo giunto aperto	4
710023	Wing ext. corner joint	Sq. est. battente	12
710041	Wing int. alig. corner joint	Sq. all. int. battente	8
710055	Wing alig. corner joint	Sq. All. est. battente	12
710400 / 710401	Screw/pin corner joint	Viti/spine squadrette	32
710408	Wing corner joint	Squadretta int. battente	12
710409	Pin for ex. corner joint	Spina sq. est.stipite	8
710411	Fixed frame ex. cor. joint	Sq. est. stipite	4
712005 / 712006	Water drain cap	Mascherina drenaggio	In base alle dimensioni
712007 / 712008	Water drain cap with valve	Mascherina con valvola	
V51007P			
712319	Wing glass cleats	Base tassello vetro	12
-	Glass cleats	Tasselli vetro	-

GUARNIZIONI	desc - ENG	desc - ITA	MISURA
800990	Cover gasket	Guarnizione di finitura	2H
809119 ÷ 809122	Interior side glazing	Interna vetro	2L + 6H
V02024	Central gasket	Giunto aperto	2L + 4H
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta int.	4L + 10H
V09050	Insulating element	Elemento isolante	2L + 6H

VEIRO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double or triple glazing	Vetrocamera	3	L/3 - 118	H - 162





	Articolo/Item code	Note / Remarks	Pezzi Pieces	Descrizione - ITA	Description - ENG
Articoli di base / Common items	Articoli di base / Common items				
	H48779		1	Kit base A/R e R/A	T&T and TBT kit
	H48544		1	Kit incontri A/R due ante	T&T two sashes strikers kit
	H48822	Anta secondaria / Second sash	1	Chiusure anta secondaria	Secondary closing kit
	H48622	Terza anta / Third sash	1	Kit catenacci anta secondaria	Finger bolt second sash kit
	H48610		D	Rinvio d'angolo supplementare	Additional corner drive
	H48619	Solo per R/A - For TBT only	T 1	Connettore asta M/M	M/M rod connector
	H48620		D	Punto chiusura supplementare	Rod locking point
	H48621		D	Chiusura suppl. seconda anta	Locking point secondary sash
	H48458		O	Braccetto limitatore	Limiter arm
	H48539		O	Kit chiusura a scrocco	Latch locking kit
	V54013		O	Angolo paraspigolo	Corner protector
	V59076		O	Spessori per sensore allarme	Alarm sensor shim
	V69012		O	Sensore allarme	Alarm sensor
Cerniere / Hinges	V1a Cerniere visibili fino a 130 kg / Visible hinges up to 130 kg				
	H48341 (H48342)		1	Kit cerniere A/R - DX (SX)	T&T hinge - RH (LH)
	H48342 (H48341)		1	Kit cerniere A/R - SX (DX)	T&T hinge - LH (RH)
	H48348	60 kg max	≥2	Cerniera a pettine per terza anta	Three leafs third sash hinge
	H48925	LB 430÷519	☐	1 Braccio A/R	T&T arm
	H48926	LB 520÷619	☐		
	H48927	LB 620÷1059	☐		
	H48927+H48614	LB 1060÷1560	☐		
	H48930		1	Braccio anta secondaria	Secondary sash arm
	H48932		D	Asta per braccio anta	Turn only rod arm
	H48304		D	Falsa cerniera	False hinge
Maniglie / Handles	V2a Martellina / Pin handle				
	Martellina / Pin handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
	H48119+H48948		1	Meccanismo incasso	Gearbox
	V2b Cremonese / Cremonese handle				
	Cremonese / Cremonese handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
	H43502		1	Kit attacco cremonese	Cremonese handle fixing kit
Vxy Varianti disponibili / Available variants					
			D	In base alle dimensioni / Based on dimensions	
			O	Articolo opzionale / Optional item	
			T	In base alla tipologia / Based on typology	
			R	Articolo gestito su richiesta / Upon request item	
			RC	Variante antieffrazione / Antiburglary variant	
			☐	Scelta di un articolo elencato / Item to be chosen in the list	
			☐		

► DISTINTA DI TAGLIO

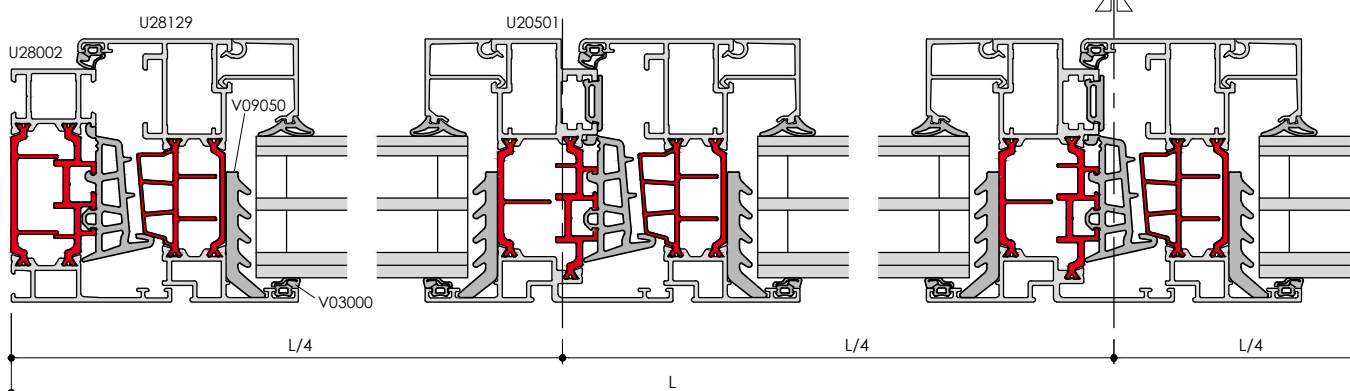
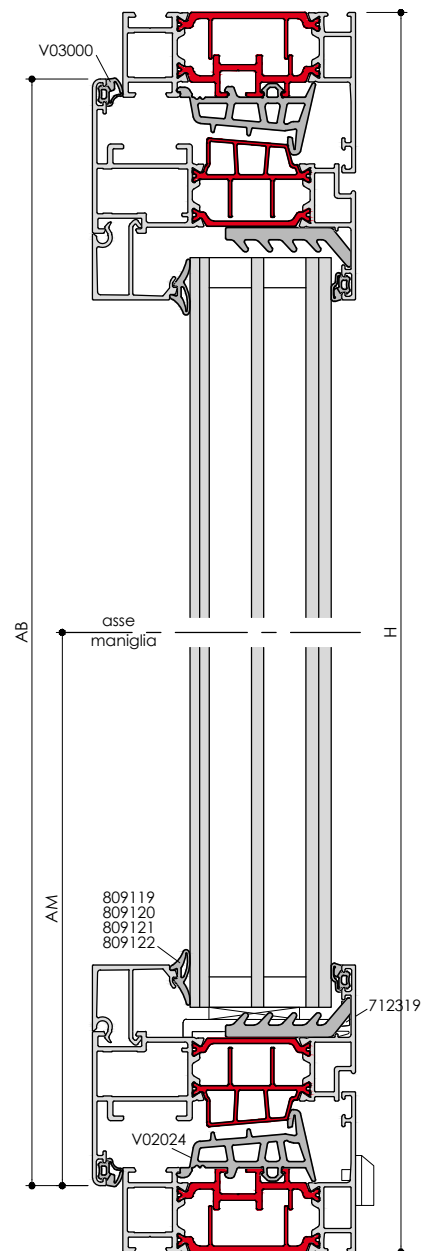
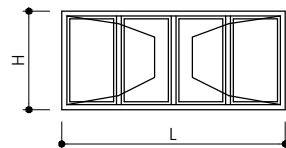
FINESTRA A QUATTRO ANTE FOUR WING WINDOW

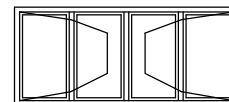
PROFILI	desc - ENG	desc - ITA	PEZZI	MISURA	TAGLIO
U28002	Horizontal frame	Traverso stipite	2	L	45° - 45°
U28002	Vertical frame	Montante stipite	2	H	45° - 45°
U28129	Horizontal sash	Traverso battente	8	$L/4 + 5.5 (=LB)$	45° - 45°
U28129	Vertical sash	Montante battente	5	$H - 44 (=AB)$	45° - 45°
U28501	Vertical central sash	Montante battente centrale	3	$H - 26$	45° - 45°
-	Horizontal glazing bead	Fermavetro orizzontale	8	$L/4 - 96.5$	90° - 90°
-	Vertical glazing bead	Fermavetro verticale	8	$H - 190$	90° - 90°

ACCESSORI	desc - ENG	desc - ITA	PEZZI
V43000	Fixed frame corner joint	Squadretta int. stipite	4
V50002 / V50003	Adjusting block fixed	Regolatori stipite	In base alle dimensioni
V52044(..)	Two sash for U28501	Coppia tappi per U28501	3
V54007	Vulcanized central gasket	Angolo giunto aperto	4
710023	Wing ext. corner joint	Sq. est. battente	16
710041	Wing int. alg. corner joint	Sq. all. int. battente	10
710055	Wing alg. corner joint	Sq. All. est. battente	16
710400 / 710401	Screw/pin corner joint	Viti/spine squadrette	40
710408	Wing corner joint	Squadretta int. battente	16
710409	Pin for ex. corner joint	Spina sq. est.stipite	8
710411	Fixed frame ex. cor. joint	Sq. est. stipite	4
712005 / 712006	Water drain cap	Mascherina drenaggio	In base alle dimensioni
712007 / 712008	Water drain cap with valve	Mascherina con valvola	
V51007P			
712319	Wing glass cleats	Base tassello vetro	16
-	Glass cleats	Tasselli vetro	-

GUARNIZIONI	desc - ENG	desc - ITA	MISURA
800990	Cover gasket	Guarnizione di finitura	3H
809119 ÷ 809122	Interior side glazing	Interna vetro	$2L + 8H$
V02024	Central gasket	Giunto aperto	$2L + 5H$
V03000	Ext. side glazing/int.overlap	Esterna vetro/battuta int.	$4L + 13H$
V09050	Insulating element	Elemento isolante	$2L + 8H$

VEURO	desc - ENG	desc - ITA	PEZZI	L	H
-	Double or triple glazing	Vetrocamera	4	$L/4 - 112.5$	$H - 162$





	Articolo/Item code	Note / Remarks	Pezzi Pieces	Descrizione - ITA	Description - ENG
Articoli di base / Common items	Articoli di base / Common items				
	H48819		☐	Kit base anta con cremonese	Turn only kit with cremone handle
	H48821	R	☐	1 Kit base anta per martellina	Turn only kit with gearbox
	H48819+H48613		☐	Kit base anta per martellina	Turn only kit with gearbox
	H48822	Nodo centrale / Central section	1	Chiusure anta secondaria (asta leva)	Secondary closing kit
	H48622	Terza e quarta anta / Third and fourth sash	2	Kit catenacci anta secondaria	Finger bolt second sash kit
	H48545		≥3	Incontro finestra 2 ante	Two sashes striker
	H48820		D	Kit aggiuntivo anta	Additional kit for turn only window
	H48621		D	Chiusura suppl. seconda anta	Locking point secondary sash
	H48610		D	Rinvio d'angolo supplementare	Additional corner drive
	H48620		D	Punto chiusura supplementare	Rod locking point
	H48458		O	Braccetto limitatore	Limiter arm
	H48539		O	Kit chiusura a scrocco	Latch locking kit
	V54013		O	Angolo paraspigolo	Corner protector
	V59076		O	Spessori per sensore allarme	Alarm sensor shim
	V69012		O	Sensore allarme	Alarm sensor
Cerniere / Hinges	V1a Cerniere visibili fino a 130 kg (con falso braccio) / Visible hinges up to 130 kg (with turn only arm)				
	H48341 (H48342)		1	Kit cerniere A/R - DX (SX)	T&T hinge - RH (LH)
	H48342 (H48341)		1	Kit cerniere A/R - SX (DX)	T&T hinge - LH (RH)
	H48930		2	Braccio anta secondaria	Secondary sash arm
	H48348	60 kg max	≥4	Cerniera a pettine per terza anta	Three leafs third sash hinge
	H48932		D	Asta per braccio anta	Turn only rod arm
	H48304		D	Falsa cerniera	False hinge
Maniglie / Handles	V2a Martellina / Pin handle				
	Martellina / Pin handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
	H48119+H48948		1	Meccanismo incasso	Gearbox
	V2b Cremonese / Cremone handle				
	Cremonese / Cremone handle	Vedasi catalogo maniglie AluK See AluK handles catalogue	1		
	H43502		1	Kit attacco cremonese	Cremone handle fixing kit
Vxy Varianti disponibili / Available variants					
D In base alle dimensioni / Based on dimensions					
O Articolo opzionale / Optional item					
T In base alla tipologia / Based on typology					
R Articolo gestito su richiesta / Upon request item					
RC Variante antieffrazione / Antiburglary variant					
☐ Scelta di un articolo elencato / Item to be chosen in the list					

Aluk (IT)

Via Monte Amiata, 3/a
37057 - S. Giovanni Lupatoto
Verona - ITALY

T:+39 045 9696611
F:+39 045 9696610
info.it@aluk.com