

Porte R **72^{TT}**
SYSTEM

Porte a battente a taglio termico
Apertura esterna ed apertura interna

Casement doors with thermal break
Outward and inward opening doors

Il sistema

Il Sistema R a taglio termico per Porte sia apertura esterna che interna, ha un telaio fisso da 64 mm ed anta mobile da 72 mm.

I Profilati:

Estrusi in lega di alluminio primario da lavorazione plastica EN AW 6060 UNI-EN 573-3 sottoposti ad un processo di trattamento termico applicato secondo Normativa UNI EN 755-2 (bonifica con tempra in aria alla pressa, seguita da invecchiamento artificiale) per ottenere lo stato T5. Per dettagli tecnici vedere pagina F1-PORTT-A-07

Trattamenti superficiali:

I trattamenti superficiali di ossidazione anodica, elettrocolorazione e di verniciatura eseguiti negli impianti di proprietà Sapa, sono nel rispetto di quanto previsto dalle normative richieste dai marchi Qualanod (per ossidazione) e Qualicoat (per la verniciatura).

Vetratura:

La scelta ed il tipo di vetro sarà in funzione del suo campo di impiego, per il montaggio attenersi scrupolosamente alle prescrizioni dei produttori. Il Sistema consente l'inserimento di vetri aventi spessori da 15 a 53 mm. Le guarnizioni di tenuta vetro sono in EPDM ed inseribili e sostituibili a serramento assemblato, studiate in vari spessori che, interpolati nel modo idoneo, garantiscono un'adeguata compressione sulla lastra di vetro. La tassellatura sarà effettuata con appositi tasselli di regolazione e spessoramento aventi posizioni nel serramento ideali e rinforzate. Solo la completa e totale osservanza della tecnica di vetratura potrà garantire uno scatto vincolante e sicuro del fermavetro e la garanzia di durata agli sforzi di normale utenza.

Sigillature occorrenti: Tra telaio in alluminio e controtelaio; nella vetratura esterna nell'apposita sede; nei tagli a 45° telaio ed anta prima di assiemare con squadrette; nelle guarnizioni telaio ed anta

Calcolo dimensioni massime serramenti:

Nel definire le misure massime dei diversi tipi di serramento, si devono considerare oltre agli elementi costruttivi dell'infisso (sezione dei profili e loro campi d'impiego, tipo di attacco al muro, spessore e tipo del vetro), le caratteristiche di utilizzo, nonché le varianti meteorologiche (esposizione dell'infisso, velocità dei venti agenti nella zona, altezza dal suolo alla quale sarà installato l'infisso, ecc.). Consigliamo a tal fine la consultazione delle prescrizioni Uncsaal.

Attrezzature:

Le attrezzature raccomandate (Comall) sono state appositamente progettate e realizzate per le particolari caratteristiche del sistema e per l'applicazione specifica degli accessori a catalogo.

Peso dei profilati:

I pesi indicati sono puramente indicativi (peso teorico ricavato sullo spessore nominale del profilato); Le matrici di estrusione sono soggette ad un normale processo di usura che porta il peso dell'estruso da un minimo (matrice nuova) ad un massimo (matrice usurata al limite delle tolleranze dimensionali).

Tolleranze dimensionali

Per le tolleranze dimensionali si fa riferimento alla Normativa UNI EN 12020-2

NB:

Il mancato impiego, anche parziale, dei prodotti originali, esclude qualsiasi possibilità di rivalsa nei confronti di Sapa.

Al fine di migliorare i propri prodotti, Sapa si riserva la facoltà di apportare, in qualsiasi momento e senza preavviso, le modifiche che riterrà opportuno.

I dati riportati su questo catalogo sono indicativi e non impegnativi.

The system

The thermal break R system for Outward and inward opening doors, with 64 mm fixed frame and 72 mm moving shutter.

The sections

These are extruded in primary aluminium alloy from EN AW 6060 UNI -EN 573-3 plastic manufacturing, subject to a thermal treatment, applied according to UNI EN 755-2 regulation (austempering through air tempering at the press, followed by artificial ageing) in order to achieve the T5 physical state.

For technical detail refer to page F1-PORTT-A-07

Surface treatments:

The surface treatments of anodization, electrocoloration and painting carried out in Sapa Italy plants, respect the regulations required by the brands: Qualanod (for anodization) and Qualicoat (for painting).

Glazing:

The choice and the type of glass will depend on its final use. While assembling, it is essential to follow scrupulously the manufacturers' instructions.

With this System it is possible to insert glass with thickness of 15 to 53 mm.

The weatherstrips for the glass containment is in EPDM and is conceived in different thickness. If interpolated in the correct way, it assures a proper compression on the glass.

The plugging will be carried out through proper adjusting and shimming plugs, located in ideal and reinforced positions in the fastening. Only the full respect of the glazing technique will assure the proper functioning of the glass beading and will guarantee a long term resistance to the normal uses.

Necessary sealing: Between aluminium frame and subframe; on external glazing in special channel; on central node plug before the insertion in section; in the cut 45° frame and wing before assembly with set square; in the frame and wing weatherstrips.

Window maximum dimensions

During the definition of the maximum dimensions of the different sorts of windows, beside the structural elements of the frame (section, uses, juncture to the wall, thickness and sort of glass), the final use and the weather conditions (exposure of the window frame, speed of the wind in the area, distance from the ground where the frame will be installed, etc.) have to be taken into account.

To this purpose, we suggest to consult the Uncsaal regulations.

Equipment:

The recommended equipment (Comall) has been planned and realized on purpose according to the particular characteristics of the system and to the specific application of the catalogue accessories.

Weight

Any weight is shown just as an indication (theoretical weight made out of the nominal thickness of the section) The extrusion dies are subject to the natural wear and tear, therefore the section weight varies from a minimum when the dies is new, to a maximum weight when the die is at highest dimensional tolerances limits.

Dimensional allowance

As for the dimensional allowance it is to refer to UNI EN 12020-2 Regulation.

NB:

Sapa declines any responsibility in case of use or partial use of non original products.

With the aim of improving it's products, Sapa reserves the possibility to make changes to this document at any moment and with no advise.

The data reported in this catalogue are indicative and not binding.

L'esecuzione del serramento dovrà prevedere tutte le operazioni necessarie per il buon funzionamento del "componente porta" quali la sigillatura e il bloccaggio sicuro degli angoli, il fissaggio a muro adeguato e, necessariamente, l'utilizzo di accessori e guarnizioni originali. Le lavorazioni, proprio per garantire la giusta applicazione dei particolari, dovranno essere eseguite con attrezzature originali e collaudate sul sistema stesso. Le asole di aerazione per vetri camera dovranno essere di dimensione e numero ottimale in funzione della dimensione e della tipologia del serramento.

The frame construction must include all the operations necessary for good working of the "door component", such as sealing and safe blocking of corners, suitable wall fixtures and the use of the original accessories and weatherstrips. In order to guarantee the correct application of the parts, works must be carried out with original equipment that has been tested on the system. The size and number of ventilation slots for double glazing must correspond to the size and type of window frame.

Attenzione

Nelle porte a taglio termico, nei casi in cui ci sia un'eccessiva variazione di temperatura, si possono generare, sulle ante, fenomeni di deformazione dovuta alla diversa dilatazione tra profilato esterno e profilato interno, con conseguente difficoltà di chiusura dell'anta stessa.

Ciò accade perchè il sole riscalda i profilati esterni del serramento provocandone la dilatazione che risulta essere differente da quella del profilato interno non riscaldato dal sole, questo provoca delle tensioni che fanno deformare il profilato anta curvandolo verso l'esterno.

Non avendo più l'allineamento anta/telaio si hanno problemi di chiusura, nelle ore di maggiore esposizione si può riscontrare il bloccaggio e/o l'impossibile chiusura della porta.

Questo fenomeno si evidenzia in particolar modo quando si hanno porte d'ingresso con tamponamenti ciechi.

Ad oggi non esistono sistemi a taglio termico che risolvano totalmente il problema. Stiamo studiando, in collaborazione con i maggiori produttori di barrette, soluzioni che possano risolvere questo fenomeno nel prossimo futuro.

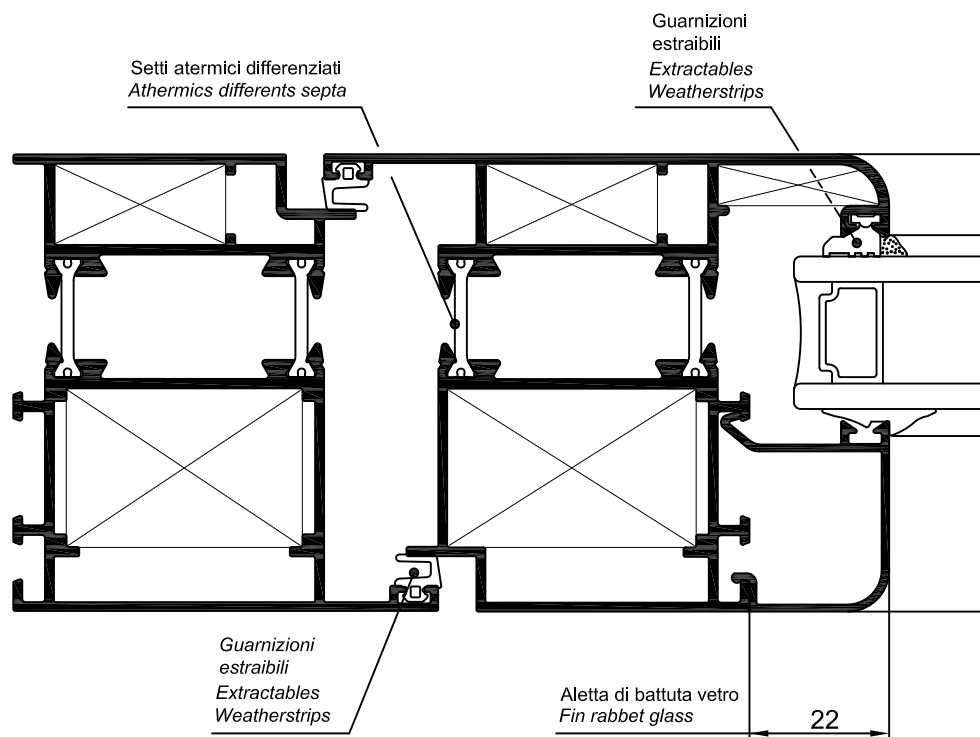
Oggi, per ridurre il problema, si possono adottare accorgimenti da valutare di volta in volta.

Attention

In case of sensitive variations of temperature in the Thermal break door solution, deformation of the wings can take place due to the diversified expansion of the internal and external profiles. This can bring to a difficult closing of the wing itself.

Deformation takes place because the sun heats the external profile of the window causing a dilatation which is different from the one of the internal profile. This causes tension that curve the wing profile to the external part. As the wing and the frame are no longer aligned there could be some difficulty in closing the doors. In the hottest hours of the day the door could stall, or it could be impossible to lock the door.

This phenomena is more common when the doors have non glass closures. Up to today there are no thermal break door systems which do not present this problem, although we are studying alternative solutions together with the biggest suppliers of polyamide bars.



ACCESSORI E GUARNIZIONI

ACCESSORIES AND WEATHERSTRIPS

Originali e marcati Sapa, con corpo in lega di alluminio, perni e viteria in acciaio inox, le boccole e i particolari di scorrimento sono in poliammide rinforzato. Le guarnizioni in EPDM sono state studiate con durezza differenti secondo la funzione che dovranno svolgere all'interno del serramento.

They are original and Sapa marked. Their features are: core in aluminium alloy, pins and screw in stainless steel, bushings and sliding elements are in reinforced polyamide. The packing in EPDM has been conceived in different hardness according to its functions in the fastening.

Tecnicamente, viene definito "a taglio termico" un profilato metallico che, una volta impiegato nella costruzione di un infisso, presenti il lato rivolto all'interno nettamente diviso dal lato esposto all'esterno per impedire lo scambio termico. Le due parti della sezione devono essere perciò separate da un materiale diverso, con bassi valori di conducibilità termica.

Il taglio termico del sistema R, realizzato con barrette in poliammide rinforzato, si colloca su bassi valori di trasmittanza termica, in linea con i sistemi a taglio termico più avanzati.

Per evitare slittamenti dei vari componenti del profilato a taglio termico è prescritta la pre-zigrinatura dei particolari di bloccaggio prima dell'operazione meccanica di accoppiamento.

A metal section which, when used in the construction of a frame, has the side facing inwards clearly divided from that facing outwards to prevent heat exchange is technically defined "with thermal break". The two parts of the section must therefore be separated by a different material, with low conductivity values.

The thermal break of the R system, produced with reinforced polyamide bars, is placed on low k values (heat transmission coefficient), in line with the most advanced systems with thermal break.

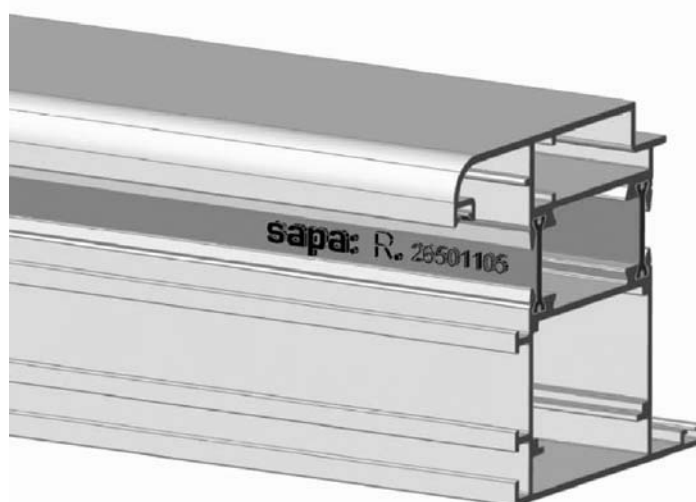
To prevent the components of the thermal break section from slipping, it is advisable to pre-knurl the blocking parts before carrying out the mechanical coupling operation.

Tutti i profilati a taglio termico venduti da Sapa sono sempre riconoscibili.

Il marchio, impresso a laser è stato previsto per essere sempre visibile nel profilato assemblato come dalla figura sottostante

All thermal break sections are always recognizable.

The laser impressed brand is always visible on the assembled sections as you can see in the picture here under



Sapa non risponde di eventuali difetti imputabili ad accoppiamenti non eseguiti nei propri stabilimenti e/o dovuti all'utilizzo di macchine non idonee e/o mal regolate.

Sapa will not be responsible for any incidental defects due to couplings which have not been carried out in its own premises and/or due to the use of not proper and/or not well-regulated machines.

I valori di trasmittanza termica U_f sotto riportati sono i risultati di calcolo eseguiti dall'Istituto IRcCOS di Legnano (Milano), secondo la normativa UNI EN ISO 10077-2

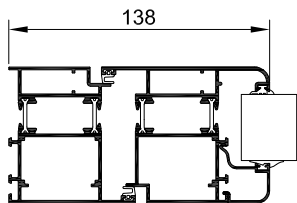
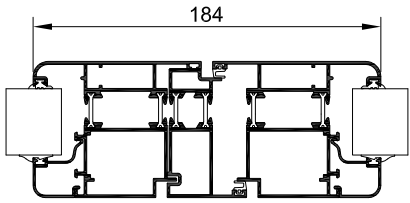
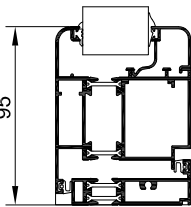
The thermal performance values U_f hereunder reported are calculation results from the Institute IRcCOS of Legnano (Milan), in accordance with the norm UNI EN ISO 10077-2

Nella porzione di tubolarità delimitata dalle barrette del taglio termico si assume:

- Il valore pari a 0,90 per l'emissività dell'alluminio verniciato
- Il valore pari a 0,30 per l'emissività dell'alluminio non verniciato

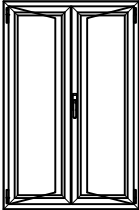
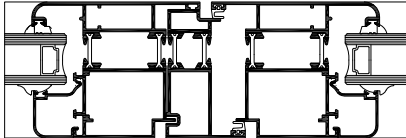
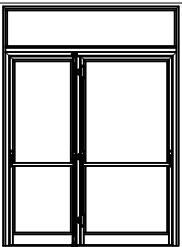
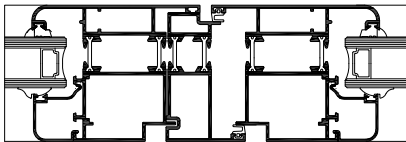
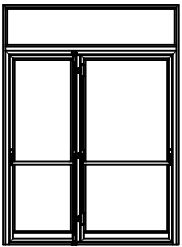
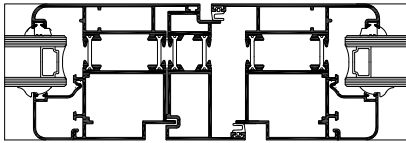
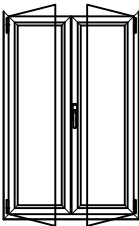
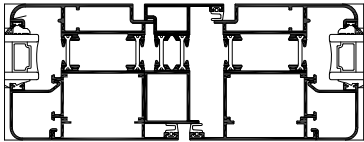
The equivalent thermal conductivity of the cavity between aluminium and polyamid bars is:

- 0,90 *If the aluminium is painted*
- 0,30 *If the aluminium is mill finish*

CERTIFICATI		CERTIFICATES			
Sistema System	Sezioni Cross section	Profilati Section	Risultati calcolo Calculus values		Laboratorio Certificato N°. Laboratory Certificate Nr°.
			$U_f = W/m^2 \cdot K$	$U_f = W/m^2 \cdot K$	
			$\epsilon = 0.9$	$\epsilon = 0.3$	
R 72 ^{TT} SYSTEM		R72C501 R72C502	3,62	3,38	IRcCOS N°0056/RP/09
R 72 ^{TT} SYSTEM		R72C502 R72C505 R72C502	3,58	3,33	IRcCOS N°0057/RP/09
R 72 ^{TT} SYSTEM		R72C507 R72C502	3,63	3,42	IRcCOS N°0059/RP/09

Per garantire il massimo delle prestazioni in funzionalità e durata, il sistema R72TT è stato sottoposto ai collaudi rescritti dalle vigenti Normative europee ottenendo ottimi risultati

To guarantee the maximum functionality and wear, R72TT system has been tested according to the running european norms.

CERTIFICATI		CERTIFICATES					
Sistema System	Tipologia Windows and doors	Dimensioni Dimensions L x H mm	Risultati prove Test values			Sezioni Cross section	Laboratorio Certificato N° Laboratory Certificate Nr.
			Aria Air	Acqua Water	Vento Wind		
R 72 ^{TT} SYSTEM		1644 x 2222	4	E750	C3		ISTEDIL 2098/2010
R 72 ^{TT} SYSTEM		2200 x 3000	2	2A	C2		IRcCOS 1994-CPR- RP0984 (*)
R 72 ^{TT} SYSTEM		2200 x 3000	2	7A	C2		IRcCOS 1994-CPR- RP0985 (*)
R 72 ^{TT} SYSTEM							Di prossima realizzazione In realization

- Collaudi eseguiti, in conformità alla Norma UNI EN 1026 - UNI EN 1027 - UNI EN 12211

- Tests Execute as UNI EN 1026 - UNI EN 1027 - UNI EN 12211 standards

- Collaudi classificati secondo Normative UNI EN 12207 - UNI EN 12208 - UNI EN 12210

- Tests Classify as UNI EN 12207 - UNI EN 12208 - UNI EN 12210 standards

(*) Collaudi eseguiti, in conformità alla Norma UNI EN 14351-1+A1:2010 "Finestre e porte esterne pedonali senza caratteristiche di resistenza al fuoco", valido per porte poste sulle vie di fuga con livello di valutazione e verifica della costanza delle prestazioni 1

Tests Execute as UNI EN 14351-1+A1:2010 "Windows and external pedestrian doorsets without resistance to fire and/or smoke leakage characteristics" standards, valid for doors located on emergency exits with the level of assessment and verification of constancy of performance 1

Una corretta posa in opera, evita spesso il decadimento delle prestazioni ottenute in laboratorio, curare in maniera appropriata la posa valorizza tutto il processo produttivo dalla progettazione all'installazione.

Fare una pulizia periodica con prodotti neutri riduce notevolmente i rischi di corrosione ed allunga sicuramente la vita dell'infisso. Per una corretta installazione, manutenzione e pulizia dei serramenti, Vi raccomandiamo di consultare le prescrizioni riportate sulle seguenti note tecniche UNCSAAL:

UX42 - "Guida alla posa in opera dei serramenti"

UX10 - "La pulizia delle superfici di serramenti e facciate continue"

A correct installation, often avoids the decay of the performances obtained in the laboratory. Taking appropriate care of the installation increases the value of the whole production process from the planning to the installation.

Cleaning periodically with neutral products reduces remarkably the corrosion risk and extends surely the life of the frame.

For a correct installation, maintenance and cleaning of the sections, we recommend you refer to the prescriptions quoted in the following technical notes of UNCSAAL UX42 and UX10




















LEGHE IN ALLUMINIO DA BONIFICA - PROFILATI ESTRUSI
HEAT-TREATABLE ALUMINIUM ALLOYS - EXTRUSION SECTIONS

Leghe / Alloys		6060 UNI EN 573-3				
Composizione chimica normale / Normal chemical compos		Mg 0,4 Si 0,4 Fe 0,2				
Stato / State		0	T1	T5	T6	
Caratteristiche meccaniche <i>Mechanical Characteristics</i>	Carico di rottura a trazione <i>Ultimate tensile stress</i>	R _m N/mm ²	140 Max	120	185	205
	Carico al limite di snervamento <i>Yield point</i>	R _p N/mm ²	80 Max	50	145	165
	Allungamento <i>Elongation</i>	A %	20	16	11	10
Caratteristiche fisiche <i>Physical Characteristics</i>	Peso specifico <i>Specific weight</i>	Kg/dm ³	2,70			
	Conduttività termica a 20°C <i>Heat conductivity at 20°C</i>	W/ (cm °K)	≈ 2,09		≈ 1,75	
	Resistività elettrica a 20°C <i>Electrical resistivity at 20°C</i>	μΩ · cm	≈ 3,14		≈ 3,25	
	Coef. di dilatazione termica lineare da 20° a 200°C <i>Linear thermal expansion coefficient from 20° to 200° C</i>		24 · 10 ⁻⁶ K ⁻¹			

SQUADRETTE D'ANGOLO
CORNER JOINTS


CERNIERE
HINGE


Articolo Item	Immagine Picture	Descrizione Description						
A.5429.AA		Squadretta in alluminio estruso su parti fisse <i>Extruded aluminium corner joint for fixed frames</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
	R72TT1.3	R85TT1.0						
A.5430.AA		Squadretta in alluminio estruso per telai ed ante <i>Extruded aluminium corner joint for frames and wings</i>						
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT			
		R72TT						
A.5441.AA		Squadretta in alluminio estruso per profilato inversione di battuta <i>Extruded aluminium corner joint for profile bar reversal</i>						
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT			
		R72TT						
2006 (Monticelli)		Squadretta d'allineamento profilati complanari "FUJI" <i>Alignment corner joint profiles complanarities "FUJI"</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
	R72TT1.3	R85TT1.0						
2013 (Monticelli)		Squadretta d'allineamento aletta "FUJI" <i>Alignment corner joint fin "FUJI"</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
	R72TT1.3	R85TT1.0						
2020 (Monticelli)		Squadretta d'allineamento aletta "FUJI" <i>Alignment corner joint fin "FUJI"</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
	R72TT1.3	R85TT1.0						
A.2908.AA		Squadretta esterna a cianfrinare R72TT (27x12.8) <i>Corner joint external to be crimped</i> R72TT (27x12.8)						
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT			
		R72TT						
A.2913.AA		Squadretta in alluminio estruso per tubolare esterno 27x12,8 <i>Extruded aluminium corner joint for external piping 27x12.8</i>						
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT			
		R72TT						

Articolo Item	Immagine Picture	Descrizione Description						
A.2900.AA		Squadretta in alluminio estruso su profilato R72C508 <i>Extruded aluminium corner joint on profile R72C508</i>						
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT			
		R72TT						
A.1023.AX.(xx)		Cerniera unificata: Apertura esterna-interna, normale e terza ante. <i>Unified hinges: Outward opening, inward opening two and three wings</i>						
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT			
		R72TT						
A.1025.AX.(xx)		Cerniera apertura esterna-interna due ante. <i>Hinges outward opening, inward opening two wings</i>						
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT			
		R72TT						
A.1026.AX.(xx)		Cerniera apertura esterna-interna terza ante. <i>Hinges outward opening, inward opening three wings</i>						
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT			
		R72TT						
A.2301.ZX		Coppie perni per cerniere apertura esterna-interna A.1025.AX e A.1026.AX <i>Couple of pins for outward and inward opening hinge A.1025.Ax - A.1026.AX</i>						
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT			
		R72TT						
401.002.XX (Alutec)		Cerniera sfilabile con contropiastra in acciaio inox <i>Slip-off hingewith stainless steel counterplate</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
	R72TT1.3	R85TT1.0						

ACCESSORI COMPLEMENTARI
COMPLEMENTARY ACCESSORIES







ATTREZZATURE
TOOLS

Articolo Item	Immagine Picture	Descrizione Description						
A.0202.BA		Angolo stampato per fermavetro arrotondato <i>Moulded corner for snap-on rounded glass beading</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>CE72TT</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	CE72TT	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
CE72TT	R72TT1.3	R85TT1.0						





Articolo Item	Immagine Picture	Descrizione Description						
M.2001.00		Cianfrinatrice manuale <i>Manual crimping tool</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>CE72TT</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	CE72TT	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
CE72TT	R72TT1.3	R85TT1.0						

SPESSORAMENTO VETRI
SHIM FOR GLASSES




Articolo Item	Immagine Picture	Descrizione Description						
R950.001		Aggancio fermavetri arrotondati. <i>Rounded glass beading coupling.</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
	R72TT1.3	R85TT1.0						
A.9931.TN		Aggancio fermavetri arrotondati <i>Rounded glass beading coupling</i>						
		<table border="1"> <tr> <td>CE72TT</td> <td></td> <td></td> </tr> </table>	CE72TT					
CE72TT								

Articolo Item	Immagine Picture	Descrizione Description			
A.2832.AA		Supporto ed appoggio vetro <i>Glass support</i>			
A.2005.WN		Feltrino nero <i>Adhesive strip</i>			
A.9940.IA		Vite <i>Screw</i>			
(Sapa)		<table border="1"> <tr> <td>CE72TT</td> <td></td> <td></td> </tr> </table>	CE72TT		
CE72TT					
A.2834.AA		Supporto ed appoggio vetro <i>Glass support</i>			
A.2005.WN		Feltrino nero <i>Adhesive strip</i>			
A.9940.IA		Vite <i>Screw</i>			
(Sapa)		<table border="1"> <tr> <td></td> <td></td> <td>R72 TT</td> </tr> </table>			R72 TT
		R72 TT			

CATENACCI
BOLTS

Articolo Item	Immagine Picture	Descrizione Description			
A.4302.BN		Kit catenaccio con prolunga dritta <i>Single level straight latch for door</i>			
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT
		R72TT			
A.4303.NN		Boccola di riscontro <i>Bush feedback</i>			
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT
		R72TT			
A.4304.BN		Kit catenaccio <i>Single level straight latch for door</i>			
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT
		R72TT			
A.4305.BN		Kit Catenaccio con prolunga sagomata <i>Single level shaped latch for door</i>			
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT
		R72TT			

ATTACCHI ALLA MURATURA
WALL FASTENERS

Articolo Item	Immagine Picture	Descrizione Description						
410.405.01 (Alutec)		Basetta unificata per regolo mobile in zama pressofusa. <i>Unified plate for adjustable block made of die-casting zamak.</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
	R72TT1.3	R85TT1.0						
510.491.55 (Alutec)		Tappo rotondo copriforo Ø 12 mm in polietilene. <i>Circular coverhole plug Ø mm 12 made of polyethylene.</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
	R72TT1.3	R85TT1.0						
510.415.01 (Alutec)		Regolo mobile. <i>Adjustable block.</i>						
510.420.01 (Alutec)		L = mm 15						
510.430.01 (Alutec)		L = mm 20						
510.445.01 (Alutec)		L = mm 30						
510.460.01 (Alutec)		L = mm 45						
		L = mm 60						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
	R72TT1.3	R85TT1.0						

GUARNIZIONI
WEATHERSTRIPS

Articolo Item	Immagine Picture	Descrizione Description						
G.0126.EN G.0138.RN G.0155.TN G.0156.FN		Guarnizione di battuta Weatherstrip of rabbet EN = E.P.D.M. RN = Coestruso-Coextruded P.V.C. TN = Termoplastica-T.P.R. FN = Coestruso-Coextruded E.P.D.M. <table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
	R72TT1.3	R85TT1.0						
G.0121.EN		Guarnizione di battuta 5mm Weatherstrip of rabbet 5mm E.P.D.M. <table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT			
		R72TT						
G.0139.RN		Guarnizione appoggio vetro 1,5mm Weatherstrip on glass support 1.5mm P.V.C. coestruso Coextruded P.V.C. <table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>CE72TT</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	CE72TT	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
CE72TT	R72TT1.3	R85TT1.0						
G.0140.RN		Guarnizione appoggio vetro 3mm Weatherstrip on glass support 3mm P.V.C. coestruso Coextruded P.V.C. <table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>CE72TT</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	CE72TT	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
CE72TT	R72TT1.3	R85TT1.0						
G.0134.EN		Guarnizione appoggio vetro 3mm Weatherstrip on glass support 3mm E.P.D.M. <table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>CE72TT</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	CE72TT	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
CE72TT	R72TT1.3	R85TT1.0						
G.0127.EN		Guarnizione su fermavetro spessore 2mm Weatherstrip on glazing bead shim 2mm E.P.D.M. <table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>CE72TT</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	CE72TT	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
CE72TT	R72TT1.3	R85TT1.0						
G.0128.EN		Guarnizione su fermavetro spessore 3mm Weatherstrip on glazing bead shim 3mm E.P.D.M. <table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>CE72TT</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	CE72TT	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
CE72TT	R72TT1.3	R85TT1.0						
G.0149.EN		Guarnizione su fermavetro spessore 4mm Weatherstrip on glazing bead shim 4mm E.P.D.M. <table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>CE72TT</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	CE72TT	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
CE72TT	R72TT1.3	R85TT1.0						
G.0150.EN		Guarnizione su fermavetro spessore 5mm Weatherstrip on glazing bead shim 5mm E.P.D.M. <table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>CE72TT</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	CE72TT	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
CE72TT	R72TT1.3	R85TT1.0						

GUARNIZIONI
WEATHERSTRIPS

Articolo Item	Immagine Picture	Descrizione Description						
G.0129.EN		Guarnizione su fermavetro spessore 6mm Weatherstrip on glazing bead shim 6mm E.P.D.M. <table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>CE72TT</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	CE72TT	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
CE72TT	R72TT1.3	R85TT1.0						
G.0314.RN		Guarnizione di tenuta inferiore porte Lower door seal P.V.C. coestruso Coextruded P.V.C. <table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>CE72TT</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	CE72TT	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
CE72TT	R72TT1.3	R85TT1.0						

TAPPI
PLUGS

Articolo Item	Immagine Picture	Descrizione Description			
A.2123.NN		Tappi copritaglio nodo centrale "T-Z" Pair of central rabbet for tooling on "T-Z" solution <table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT
		R72TT			
A.2125.NN		Coppia tappi battuta centrale su R72C505 Pair of plug for central rabbet R72C505 <table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT
		R72TT			
A.2155.NN		Tappi copritaglio nodo centrale "T-Z" profilati R72C509 Pair of central rabbet for tooling on "T-Z" solution for profile R72C509 <table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT
		R72TT			
A.2178.NN		Coppia tappi battuta centrale su R72C515 Pair of plug for central rabbet R72C515 <table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> </table>			R72TT
		R72TT			

I grafici di seguito riportati sono stati ottenuti con la seguente formula:
 The graphs below were created using the following formula:

$$J(\text{cm}^4) = \frac{q(\text{Kg}/\text{cm}^2) \times H^4 (\text{cm}) \times A(\text{cm})}{1920 \times E(\text{Kg}/\text{cm}^2) \times f(\text{cm})} \times \left[25 \cdot 40 \times \left(\frac{A}{H} \right)^2 + 16 \times \left(\frac{A}{H} \right)^4 \right]$$

Dove:

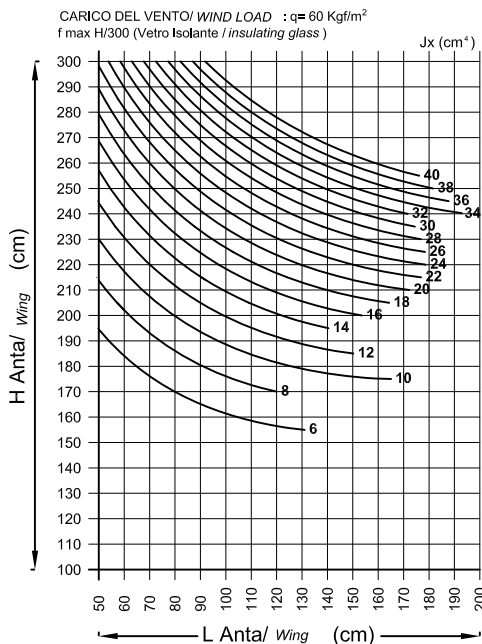
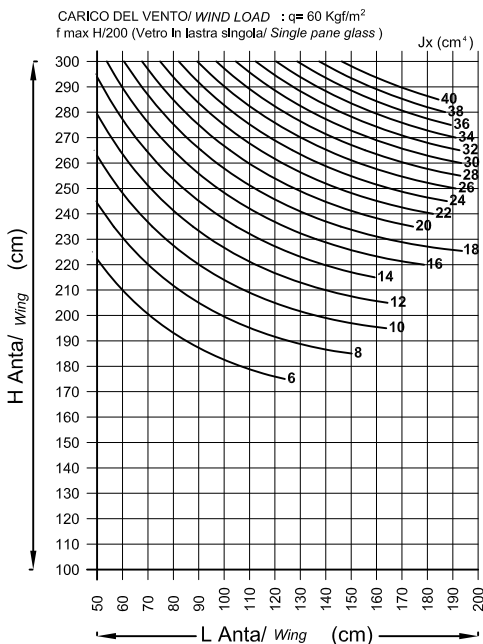
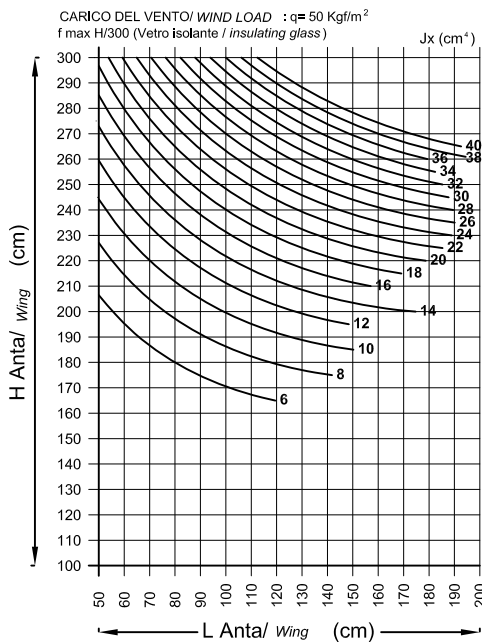
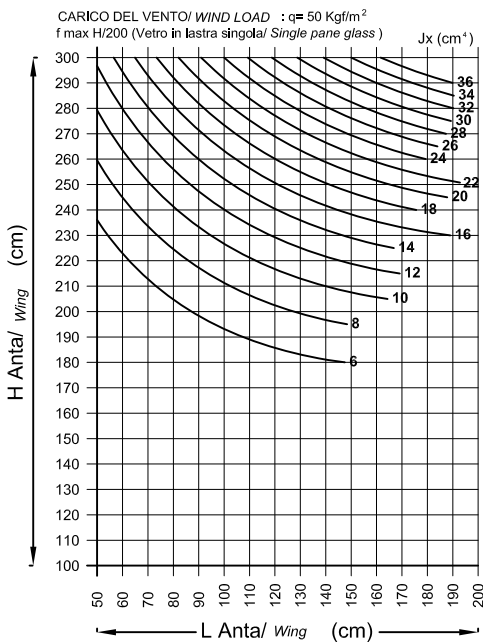
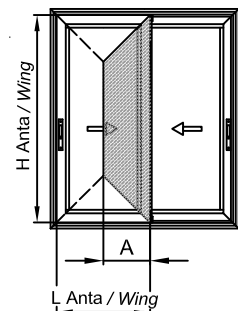
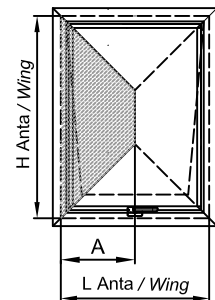
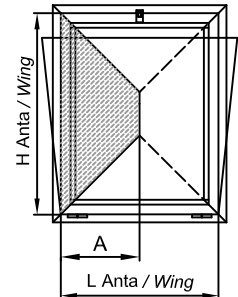
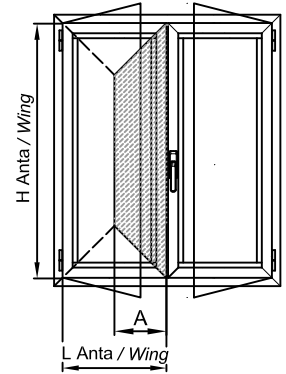
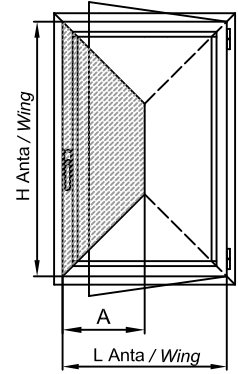
Jx = Momento d'inerzia (cm⁴) A = Larghezza anta : 2 (cm)
 q = Carico del vento (Kg/cm²) E = Modulo di elasticità (Kg/cm²)
 H = Altezza anta (cm) f = Freccia (cm)

Essa è riferita al dimensionamento delle ante rispetto all'inerzia del profilato, per cui verificare sempre che il peso delle ante sia compatibile con la portata degli accessori impiegati, cerniere ecc. Inoltre verificare, sempre che la freccia dei profilati sia compatibile con il vetro impiegato.

Were:

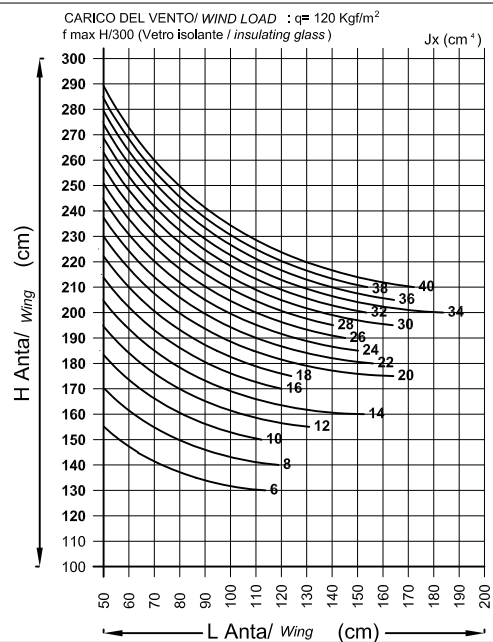
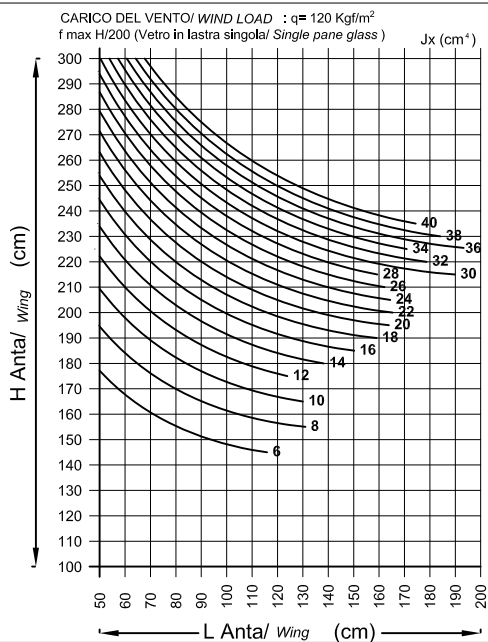
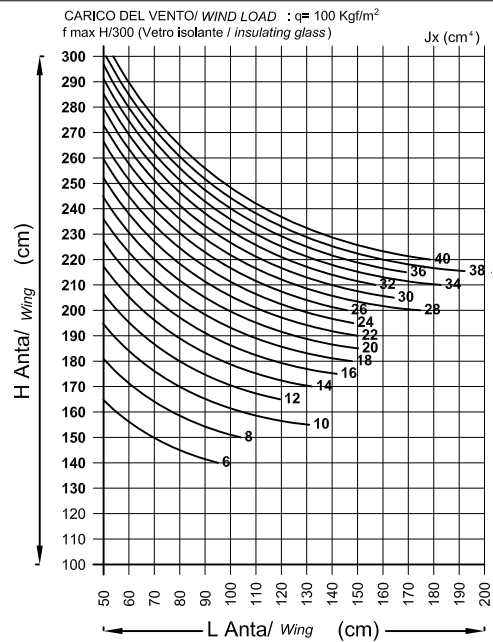
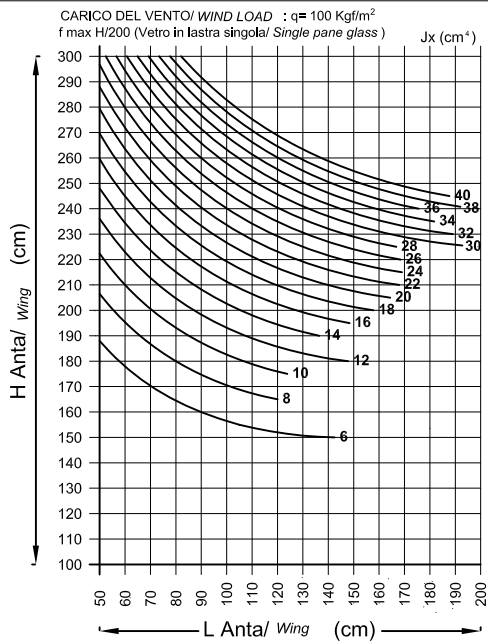
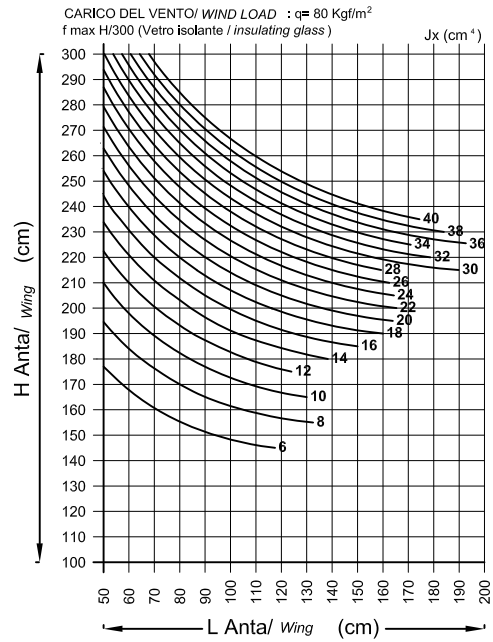
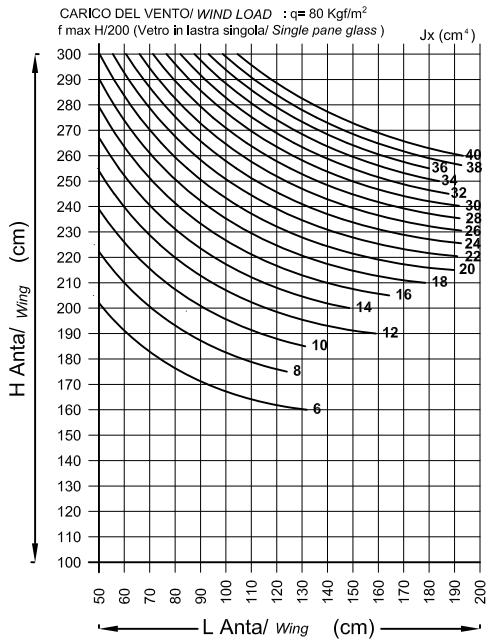
Jx = Moment of inertia (cm⁴) A = Wing/2 width (cm)
 q = Wind load (Kg/cm²) E = Coefficient of elasticity (Kg/cm²)
 H = Wing height (cm) f = Camber (cm)

This refers to the size of the wings compared with the section inertia so always make sure the weight of the wings is compatible with the load of accessories hinge etc. used. Also always check that the section camber is suitable for the glass used.



DIAGRAMMI PER IL DIMENSIONAMENTO STATICO DELLE ANTE

STATIC WING-SIZING DIAGRAMS



Articolo Item	Guarnizioni esterne External weatherstrips	Sezione Section	Articolo Item	Guarnizioni interne Internal weatherstrips	Sezione Section
G.0139.RN	A = 1,5 mm		G.0127.EN	D = 2 mm	
G.0134.EN	B = 3 mm		G.0128.EN	E = 3 mm	
G.0140.RN	C = 3 mm		G.0129.EN	F = 5/6 mm	

Spessore vetri Glass thickness	Guarnizioni Weatherstrips	Dimensione fermavetri Glass beading size	Vetro ad infilare Glass to insert	
15-16 16-17 16 19 19 20	B-C+F A+F B-C+E B-C+D A+E A+D	35 mm		
20-21 21-22 21 24 24 25	B-C+F A+F B-C+E B-C+D A+E A+D	30 mm	 	
22-23 23-24 23 26 26 27	B-C+F A+F B-C+E B-C+D A+E A+D	28 mm		
24-25 25-26 27 28 28 29	B-C+F A+F B-C+E B-C+D A+E A+D	26 mm	 	
27-28 29-30 30 31 32 33	B-C+F A+F B-C+E B-C+D A+E A+D	22,5 mm	 	
28-29 29-30 31 32 32 33	B-C+F A+F B-C+E B-C+D A+E A+D	22 mm		
31-32 32-33 34 35 35 36	B-C+F A+F B-C+E B-C+D A+E A+D	19 mm	 	
● 36-37 ● 37-38 ● 39 ● 40 ● 40 ● 41	B-C+F A+F B-C+E B-C+D A+E A+D	14 mm	 	
● 39-40 ● 40-41 ● 42 ● 43 ● 43 ● 44	B-C+F A+F B-C+E B-C+D A+E A+D	11 mm		
● 40-41 ● 41-42 ● 43 ● 44 ● 44 ● 45	B-C+F A+F B-C+E B-C+D A+E A+D	10 mm		
● 41-42 ● 42-43 ● 44 ● 45 ● 45 ● 46	B-C+F A+F B-C+E B-C+D A+E A+D	9 mm		
● 45-46 ● 46-47 ● 48 ● 49 ● 49 ● 50	B-C+F A+F B-C+E B-C+D A+E A+D	5 mm		

N.B.: Le combinazioni sopra indicate sono state ottenute considerando le quote teoriche. Si consiglia sempre di verificare le tolleranze per applicare vetri, fermavetri e guarnizioni ottimali.

The above combinations were obtained considering the theoretic heights. It is always best to check tolerances to apply correct glass, glass beadings and weatherstrips.

● Spessore pannelli / Panel thickness

INSERIMENTO GUARNIZIONI, VETRI E FERMAVETRI ANTE " CE"
WEATHERSTRIPS. GLASS AND GLASS BEADINGS INSERTION " CE"

Articolo <i>Item</i>	Guarnizioni esterne <i>External weatherstrips</i>	Sezione <i>Section</i>	Articolo <i>Item</i>	Guarnizioni interne <i>Internal weatherstrips</i>	Sezione <i>Section</i>
G.0139.RN	A = 1,5 mm		G.0150.EN	C = 5 mm	
G.0134.EN	B = 3 mm		G.0129.EN	D = 6 mm	
G.0140.RN	C = 3 mm		G.0128.EN	E = 3 mm	
			G.0149.EN	F = 4 mm	



















Spessore vetri <i>Glass thickness</i>	Guarnizioni <i>Weatherstrips</i>	Dimensione fermavetri <i>Glass beading size</i>	Vetro ad infilare <i>Glass to insert</i>		
14 15 16 17	A+D / B+E A+C A+F A+E	36 mm			 Art.: A.9931.TN
17 18 19 20 21 22	B+D B+C B+F / A+D B+E / A+C A+F A+E	31 mm			
22 23 24 25 26 27	B+D B+C B+F / A+D B+E / A+C A+F A+E	26 mm			 Art.: A.9931.TN
27 28 29 30 31 32	B+D B+C B+F / A+D B+E / A+C A+F A+E	21 mm			 Art.: A.9931.TN
30 31 32 33 34 35	B+D B+C B+F / A+D B+E / A+C A+F A+E	18 mm			 Art.: A.9931.TN
32 33 34 35 36 37	B+D B+C B+F / A+D B+E / A+C A+F A+E	16 mm			 Art.: A.9931.TN
37 38 39 40 41 42	B+D B+C B+F / A+D B+E / A+C A+F A+E	11 mm			 Art.: A.9931.TN
45 46 47 48 49 50	B+D B+C B+F / A+D B+E / A+C A+F A+E	3 mm			

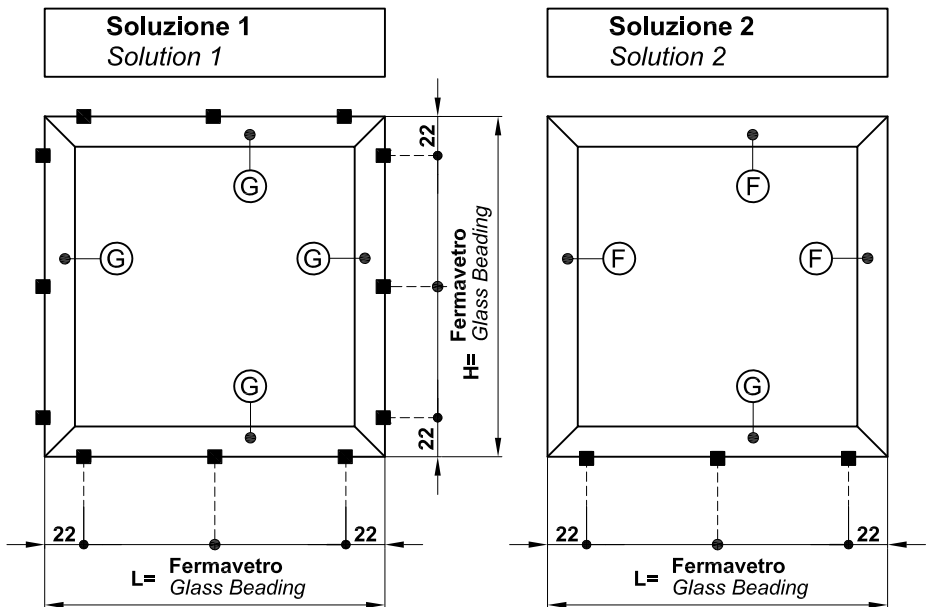
N.B.: Le combinazioni sopra indicate sono state ottenute considerando le quote teoriche. Si consiglia sempre di verificare le tolleranze per applicare vetri, fermavetri e guarnizioni ottimali.




The above combinations were obtained considering the theoretic heights. It is always best to check tolerances to apply correct glass, glass beadings and weatherstrips.

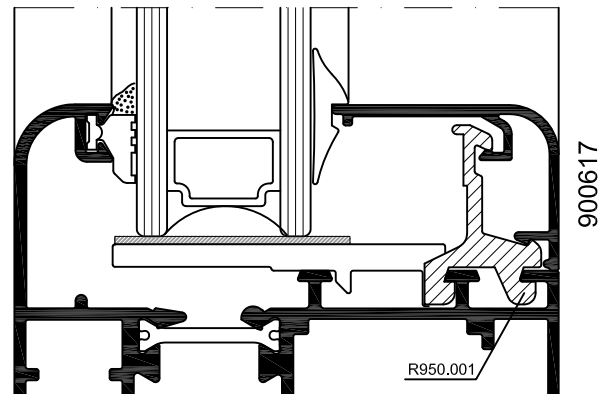
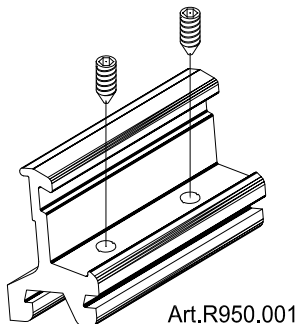
● Spessore pannelli / *Panel thickness*

POSIZIONAMENTO ACCESSORIO FERMAVETRO ARROTONDATO
ROUNDED GLASSES BEADING ACCESSORY POSITIONING

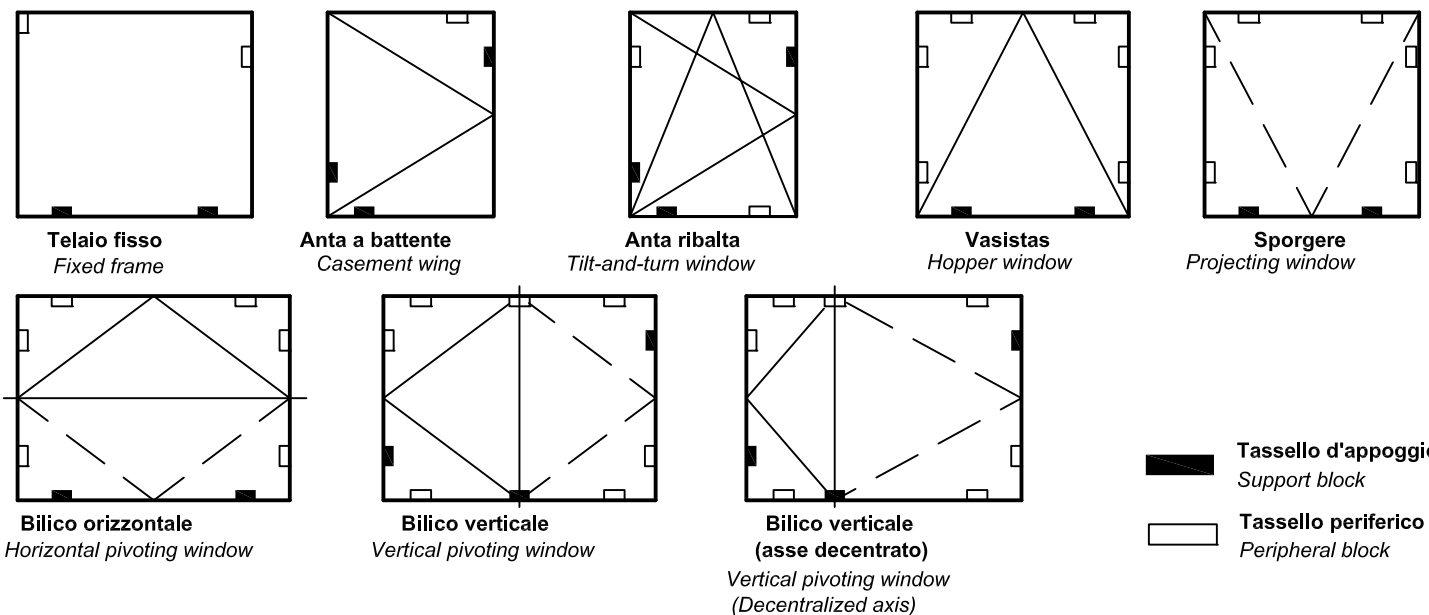
Sezione Fermavetri Glass Beading Section		Dimensione Size
		
		30 mm
		30 mm
		26 mm
		22,5 mm
		19 mm
		18 mm
		14 mm
		14 mm





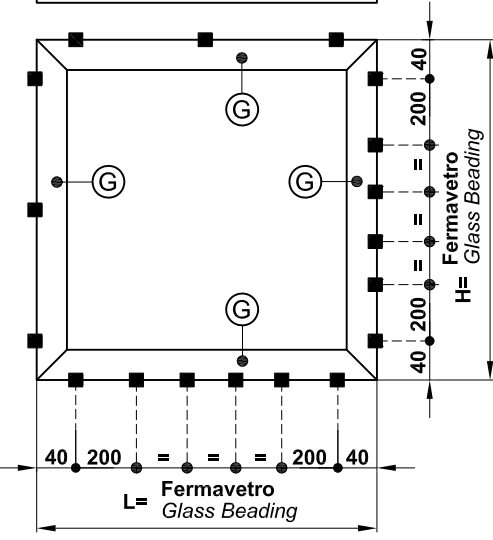
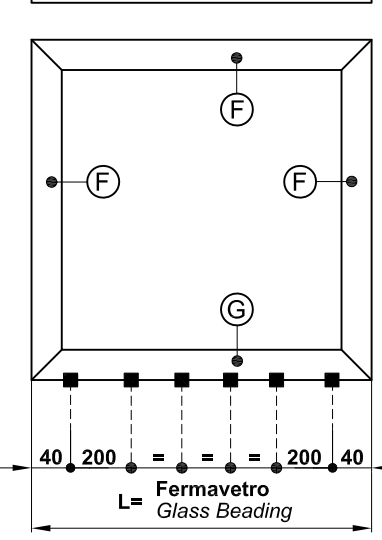
-  = **Fermavetro arr. a scatto**
Radiused glass beading snap
-  = **Fermavetro arr. con accessorio R950.001**
Radiused glass beading with accessoire R950.001
-  = **Art. R950.001**
 Per L/H ≤ 1000mm n°3pz
 Per L/H < 1000mm ≤ 1500mm n°4pz
 Per L/H > 1500mm n°5pz



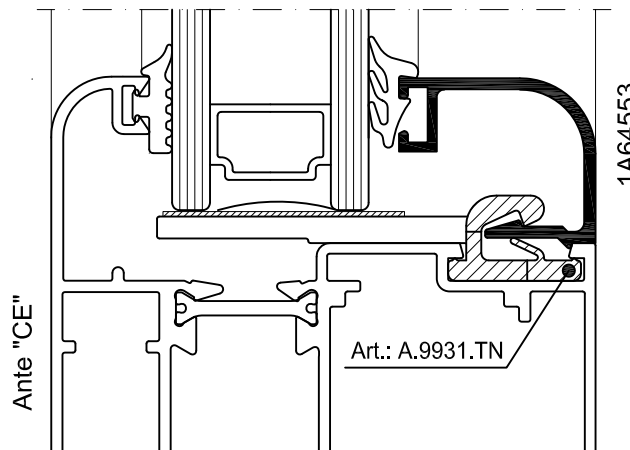
SPESSORAMENTO VETRI
GLASS SHIM



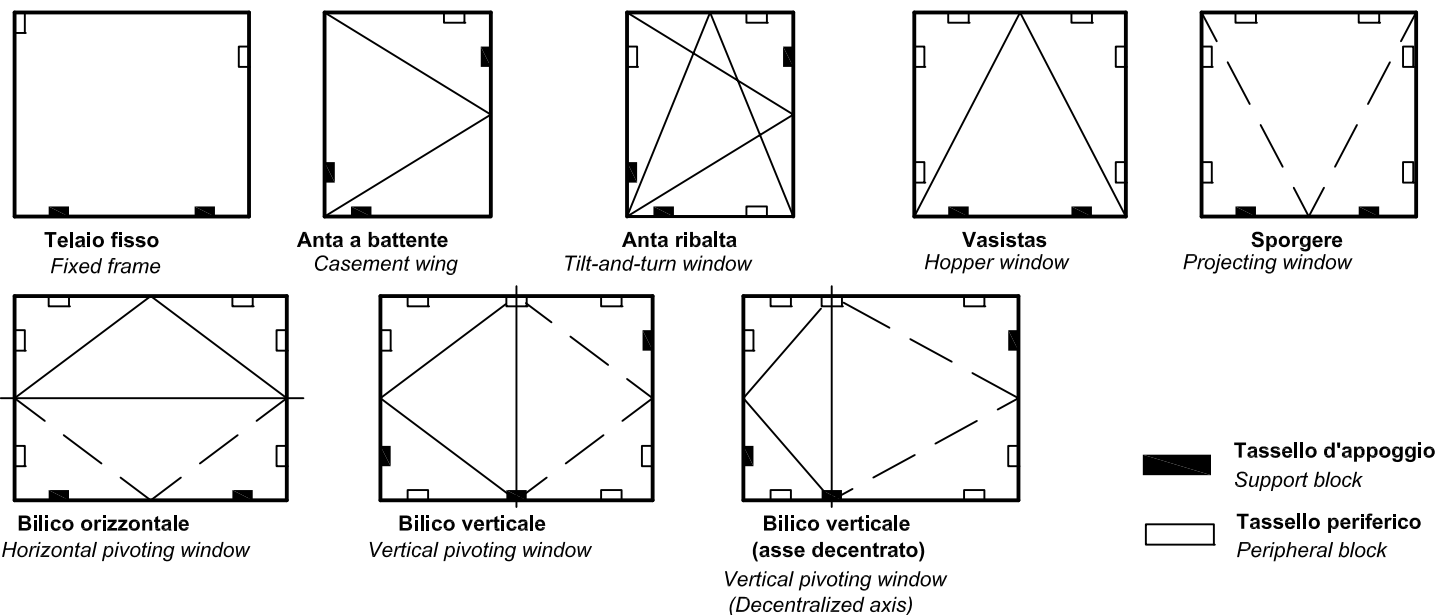
POSIZIONAMENTO ACCESSORIO FERMAVETRO ARROTONDATO "CE"
ROUNDED GLASSES BEADING ACCESSORY POSITIONING "CE"

Sezione Fermavetri Glass Beading Section		Dimensione Size	Soluzione 1 Solution 1	Soluzione 2 Solution 2
		36 mm 31 mm 26 mm 21 mm 18 mm 16 mm 11 mm		
1A68137	1A64555			
1A10034	1A64554			
1A64053	1A64553			
1A64052	1A64552			
1A64246	1A64421			
1A64247	1A64556			
1A64248	1A64557			

F = Fermavetro arr. a scatto
Radiused glass beading snap
G = Fermavetro arr. con accessorio A.9931.TN
Radiused glass beading with accessoire A.9931.TN
■ = Art. A.9931.TN

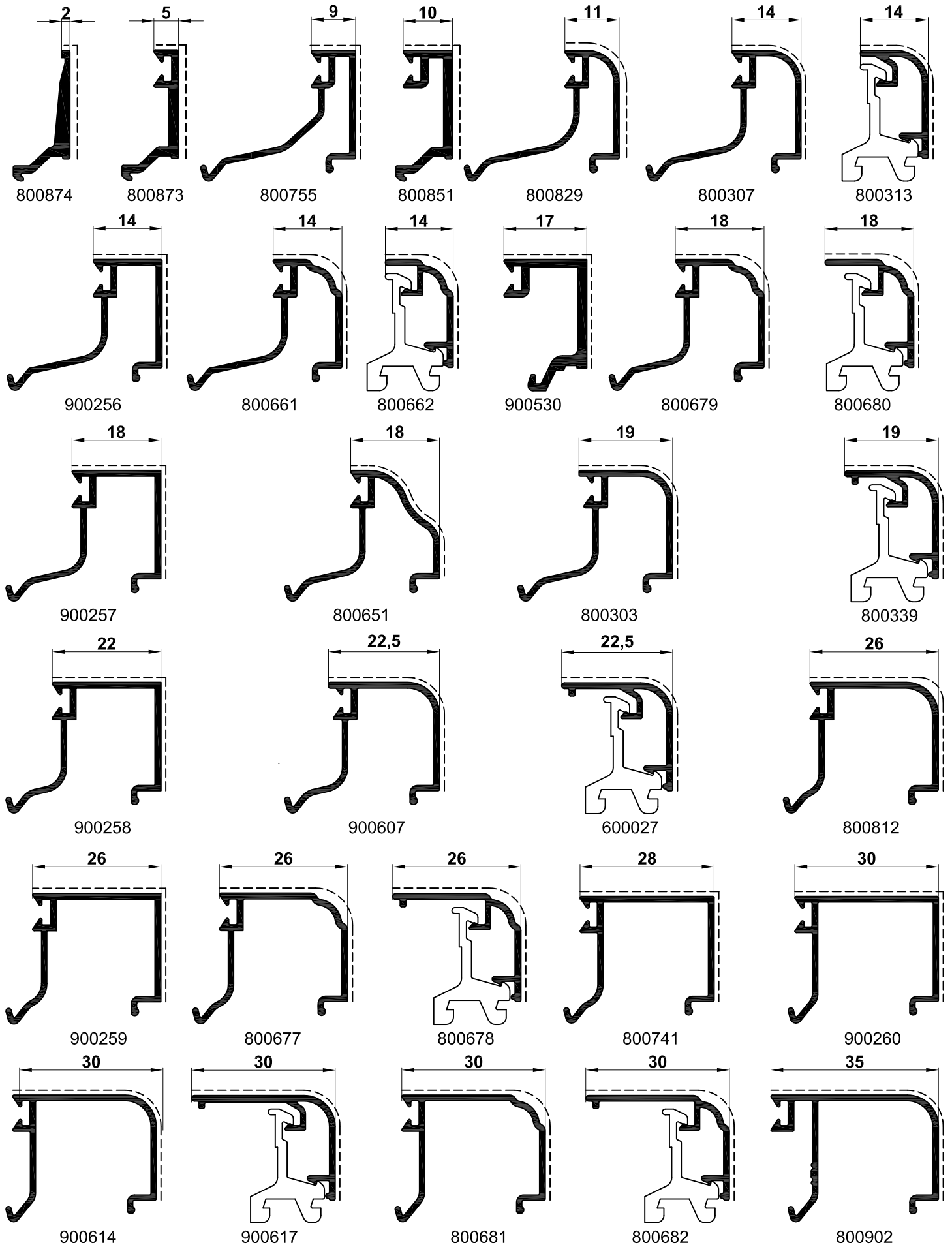


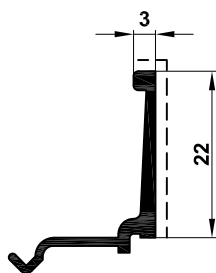
SPESSORAMENTO VETRI
GLASS SHIM



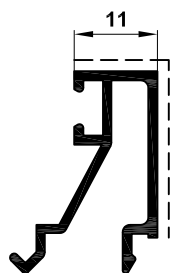
Profilato Section	Sezione Cross section	Peso Weight Kg/ml	Perim. Perim. mm	Sup. in vista Exposed surface mf/ml	Profilato Section	Sezione Cross section	Peso Weight Kg/ml	Perim. Perim. mm	Sup. in vista Exposed surface mf/ml
600027		0,181	115	0,042	800829		0,253	167	0,030
800303		0,271	173	0,041	800851		0,231	109	0,035
800307		0,256	169	0,040	800873		0,186	87	0,029
800313		0,145	93	0,040	800874		0,183	71	0,026
800339		0,170	108	0,044	800902		0,322	203	0,056
800651		0,251	161	0,033	900256		0,273	183	0,036
800661		0,259	167	0,032	900257		0,275	177	0,040
800662		0,140	90	0,031	900258		0,278	178	0,044
800677		0,273	173	0,044	900259		0,286	180	0,048
800678		0,184	117	0,044	900260		0,288	182	0,052
800679		0,265	169	0,036	900530		0,276	114	0,039
800680		0,154	99	0,036	900607		0,271	175	0,042
800681		0,281	178	0,048	900614		0,278	180	0,050
800682		0,197	125	0,048	900617		0,219	129	0,052
800741		0,289	183	0,050					
800755		0,262	167	0,032					
800812		0,275	174	0,040					

Profilato Section	Sezione Cross section	Peso Weight Kg/ml	Perim. Perim. mm	Sup. in vista Exposed surface nf/ml	Profilato Section	Sezione Cross section	Peso Weight Kg/ml	Perim. Perim. mm	Sup. in vista Exposed surface nf/ml
1A10032		0,311	194	0,048	1A64554		0,296	151	0,048
1A10034		0,312	195	0,044	1A64555		0,317	161	0,053
1A58948		0,315	198	0,048	1A64556		0,236	121	0,033
1A58949		0,272	172	0,043	1A64557		0,215	108	0,028
1A59847		0,252	159	0,033	1A68137		0,328	205	0,054
1A59848		0,257	162	0,038	1A70796		0,181	94	0,025
1A59849		0,332	208	0,053					
1A59850		0,348	218	0,058					
1A62167		0,262	165	0,040					
1A64052		0,255	159	0,038					
1A64053		0,296	185	0,043					
1A64246		0,244	154	0,035					
1A64247		0,240	151	0,033					
1A64248		0,234	146	0,028					
1A64421		0,243	125	0,035					
1A64552		0,256	131	0,038					
1A64553		0,276	141	0,043					

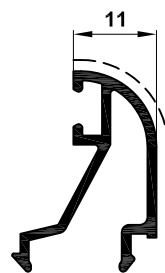




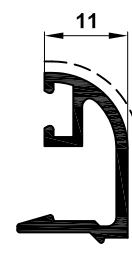
1A70796



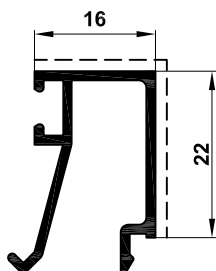
1A59847



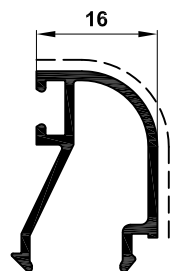
1A64248



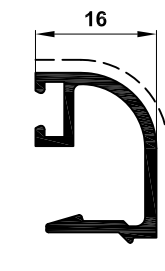
1A64557



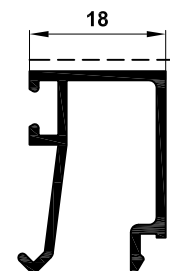
1A59848



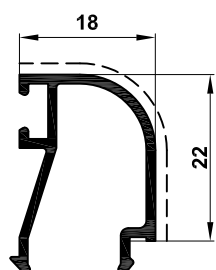
1A64247



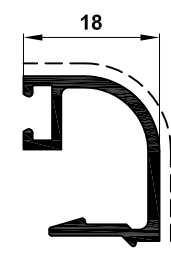
1A64556



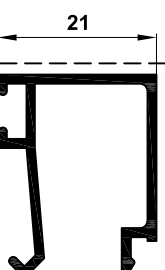
1A62167



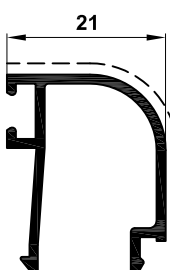
1A64246



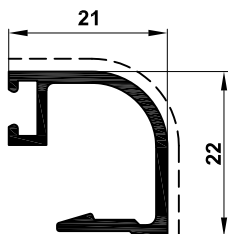
1A64421



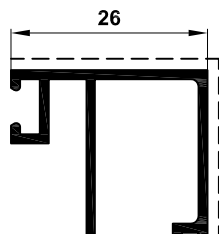
1A58949



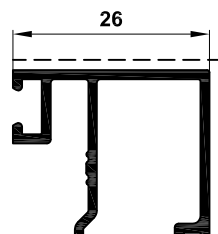
1A64052



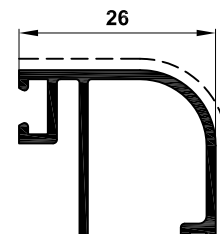
1A64552



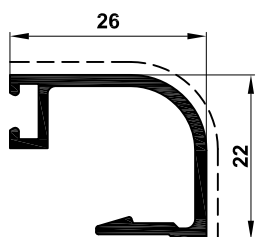
1A58948



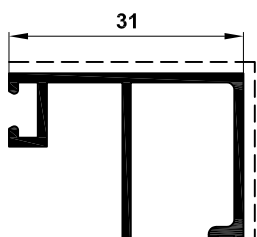
1A10032 (*)



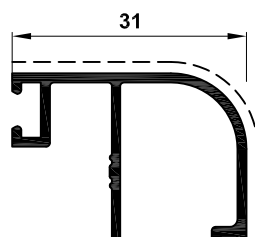
1A64053(*)



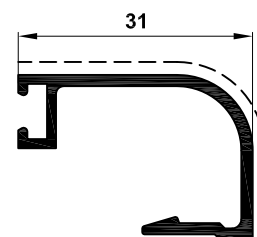
1A64553



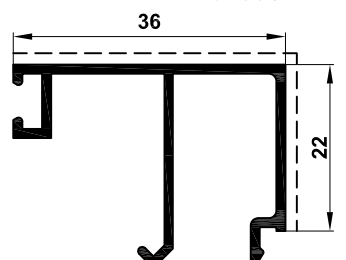
1A59849



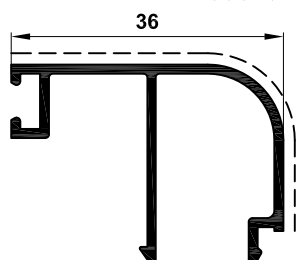
1A10034 (*)



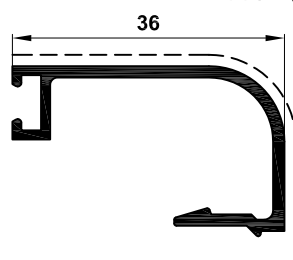
1A64554



1A59850




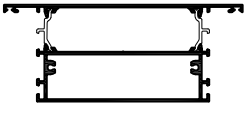
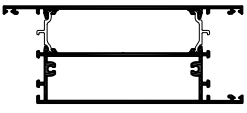
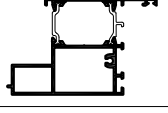
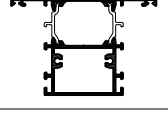
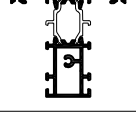
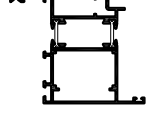
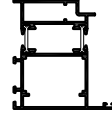
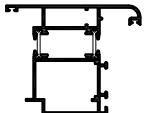
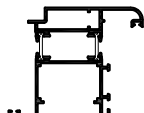
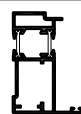


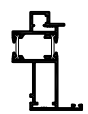
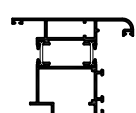
1A68137



1A64555


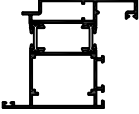
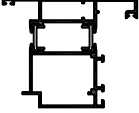
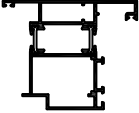
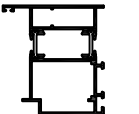
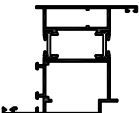


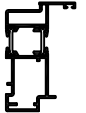
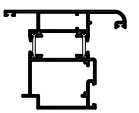
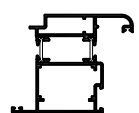
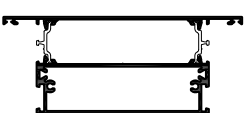
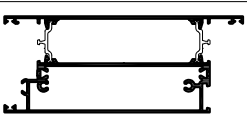
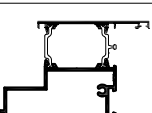
(*) Lo scatto del fermavetro può avvenire anche con rotazione dall'interno verso l'esterno

(*) The locking of the glazing bead can also occur with rotation from the inside outwards

Profilato Section	Comp.ne Composition	Sezione Cross section 	Peso Weight Kg/m	Perimetro Perimeter mm	Superficie in vista Exposed surface m ² /m	Jx cm ⁴	Wx cm ²	Jy cm ⁴	Wy cm ³
R72C46	800511 A.0322.LN A.0322.LN 800589		2.635	611	0,282	53,21	15,31	174,15	22,02
R72C47	800511 A.0322.LN A.0322.LN 800590		2.753	676	0,309	57,82	17,37	194,62	23,69
R72C54	800514 A.0335.LN A.0322.LN 800593		1,833	442	0,153	34,03	10,15	36,90	7,40
R72C69	800516 A.0322.LN A.0322.LN 800603		1,802	488	0,158	32,58	9,10	29,40	6,12
R72C121	800508 A.0322.LN A.0322.LN 800852		1,426	465	0,132	24,55	6,66	9,11	2,52
R72C500	800855 A.0320.LN A.0320.LN 800848		1,857	441	0,171	41,34	10,68	27,52	5,94
R72C501	800853 A.0320.LN A.0320.LN 800848		1,727	375	0,146	36,16	9,98	20,60	5,17
R72C502	800841 A.0320.LN A.0320.LN 800846		1,861	467	0,176	38,83	9,09	29,13	6,54
R72C503	800842 A.0320.LN A.0320.LN 800848		1,913	459	0,176	42,09	10,69	30,55	6,78
R72C504	800849 A.0320.LN A.0320.LN 800843		1,273	270	0,076	23,45	6,99	5,94	2,00
R72C505	800858 A.0320.LN A.0320.LN 800856		1,169	286	0,074	21,75	6,24	4,26	1,53
R72C507	800878 A.0320.LN A.0320.LN 800879		0,909	205	0,045	12,85	3,95	1,04	0,66
R72C508	800880 A.0320.LN A.0320.LN 800881		1,315	296	0,075	24,18	6,55	5,87	2,01
R72C509	800841 A.0320.LN A.0320.LN 800940		1,861	460	0,176	38,38	8,96	28,92	6,49

N.B.: I profilati sono forniti in lunghezza di 6800 mm

The sections are supplied with length of 6800 mm

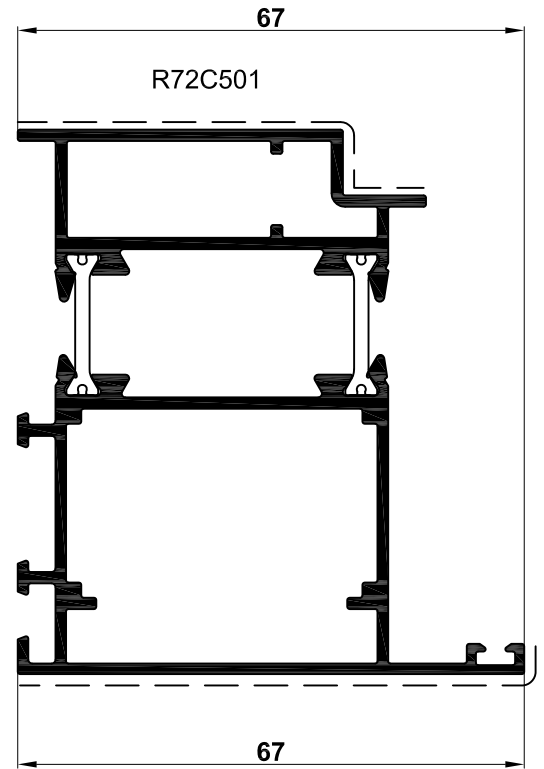
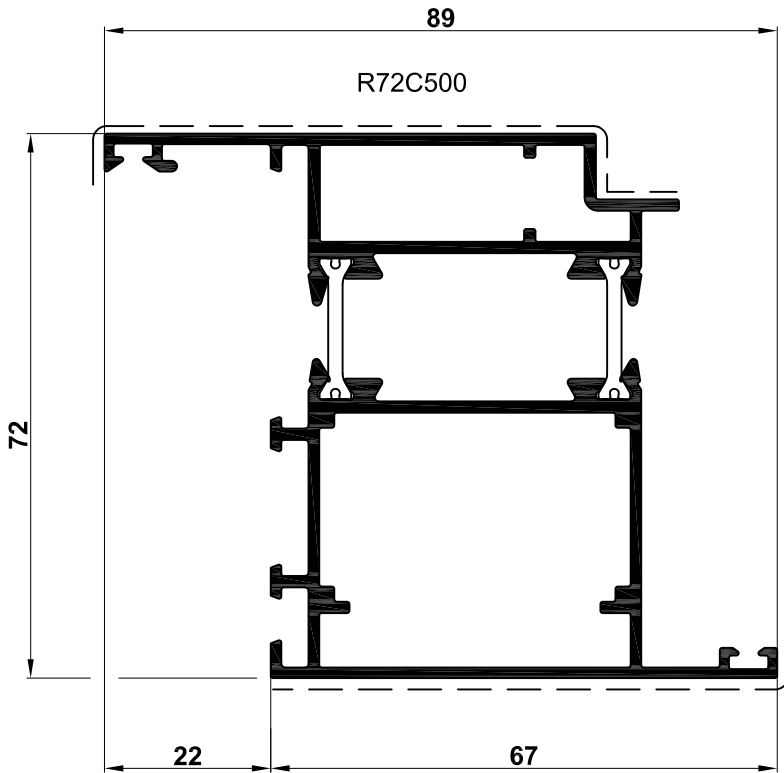
Profilato Section	Comp.ne Composition	Sezione Cross section 	Peso Weight Kg/m	Perimetro Perimeter mm	Superficie in vista Exposed surface m ² /m	Jx cm ⁴	Wx cm ²	Jy cm ⁴	Wy cm ³		
R72C510	800950 A.0320.LN A.0320.LN 800848		1,924	465	0,176	42,09	10,69	30,55	6,78		
R72C511	800951 A.0320.LN A.0320.LN 800846		1,872	457	0,176	38,83	9,09	29,13	6,54		
R72C512	800951 A.0320.LN A.0320.LN 800940		1,872	457	0,176	38,83	9,09	29,13	6,54		
R72C513	800960 A.0320.LN A.0320.LN 800846		1,685	364	0,134	34,47	8,61	20,12	5,00		
R72C514	800960 A.0320.LN A.0320.LN 800961		1,803	431	0,146	36,16	9,98	20,60	5,17		
R72C515	800962 A.0320.LN A.0320.LN 800963		1,009	267	0,084	21,75	6,24	4,26	1,53		
R72C516			IN ALLESTIMENTO IN REALIZATION								
R72C517	800964 A.0320.LN A.0320.LN 800965		1,296	288	0,081	24,06	6,19	6,96	2,01		
R72C580	800841 A.0320.LN A.0320.LN 800904		1,860	423	0,177	38,24	8,91	29,37	6,59		
R72C581	800842 A.0320.LN A.0320.LN 800905		1,911	434	0,173	41,59	10,51	30,80	6,85		
R72C846	800511 A.0334.LN A.0334.LN 800890		2,820	604	0,282	52,65	15,36	187,27	23,70		
R72C847	800511 A.0334.LN A.0334.LN 800891		3,006	663	0,309	57,56	17,69	219,79	26,60		
R72C854	800514 A.0335.LN A.0334.LN 800887		1,734	418	0,153	32,56	10,09	35,78	7,26		

N.B.: I profilati sono forniti in lunghezza di 6800 mm

The sections are supplied with length of 6800 mm

ELENCO PROFILATI
LIST OF SECTIONS

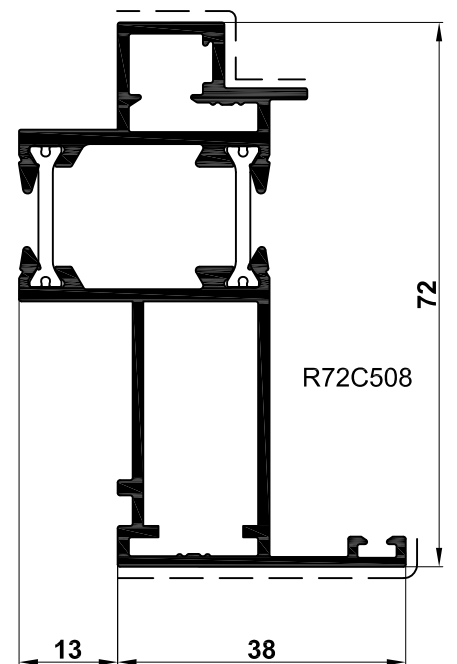
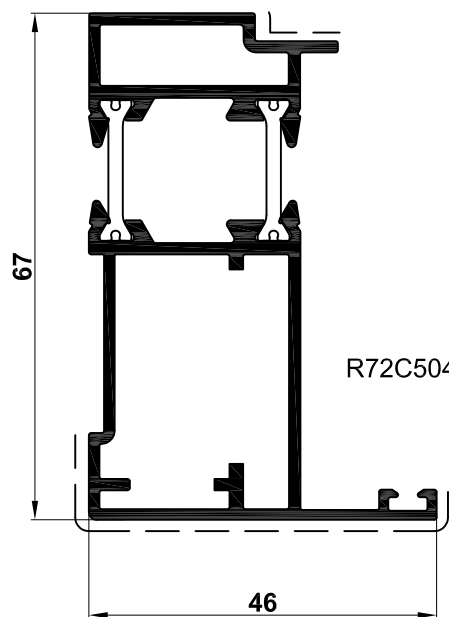
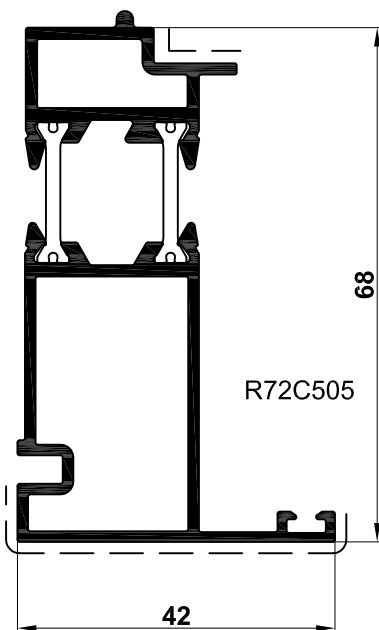
Profilato <i>Section</i>	Sezione <i>Cross section</i>	Peso <i>Weight</i> Kg/m	Perlm. <i>Perim.</i> mm	Sup. In vista <i>Exposed surface</i> m ² /m	Profilato <i>Section</i>	Sezione <i>Cross section</i>	Peso <i>Weight</i> Kg/m	Perlm. <i>Perim.</i> mm	Sup. In vista <i>Exposed surface</i> m ² /m
100009		0,234	82	0,029	800853		0,652	181	0,068
800508		0,506	236	0,082	800855		0,782	251	0,095
800511		0,924	409	0,168	800856		0,656	214	0,045
800514		0,506	221	0,079	800858		0,407	120	0,014
800516		0,623	285	0,106	800878		0,232	75	0,020
800589		1,519	395	0,114	800879		0,571	167	0,028
800590		1,637	459	0,141	800880		0,503	146	0,033
800593		1,148	285	0,074	800881		0,706	231	0,045
800603		0,987	271	0,052	800887		1,050	268	0,074
800780		0,432	216	0,027	800890		1,706	363	0,116
800852		0,728	222	0,030	800891		1,892	422	0,140
800841		0,892	317	0,110	800904		0,862	233	0,067
800842		0,838	265	0,095	800905		0,967	273	0,078
800843		0,741	220	0,062	800940		0,863	252	0,069
800846		0,863	252	0,069	800950		0,851	271	0,109
800848		0,969	292	0,080	800951		0,905	323	0,106
800849		0,426	125	0,014	800960		0,718	221	0,071

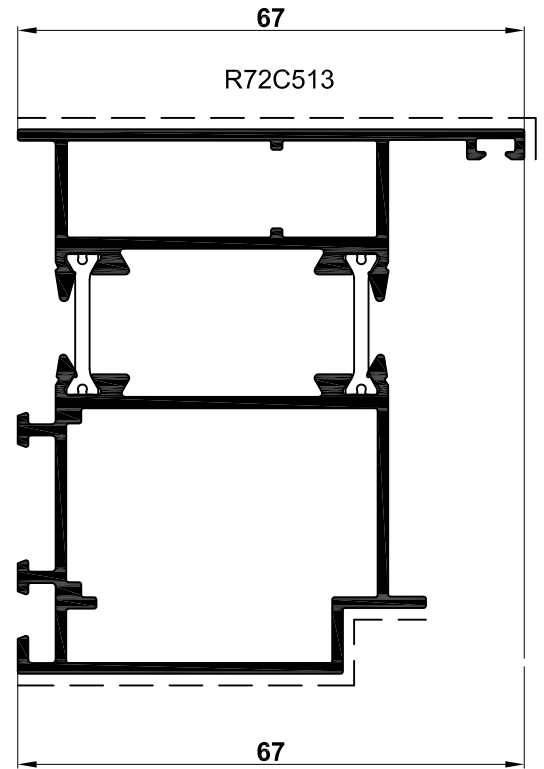
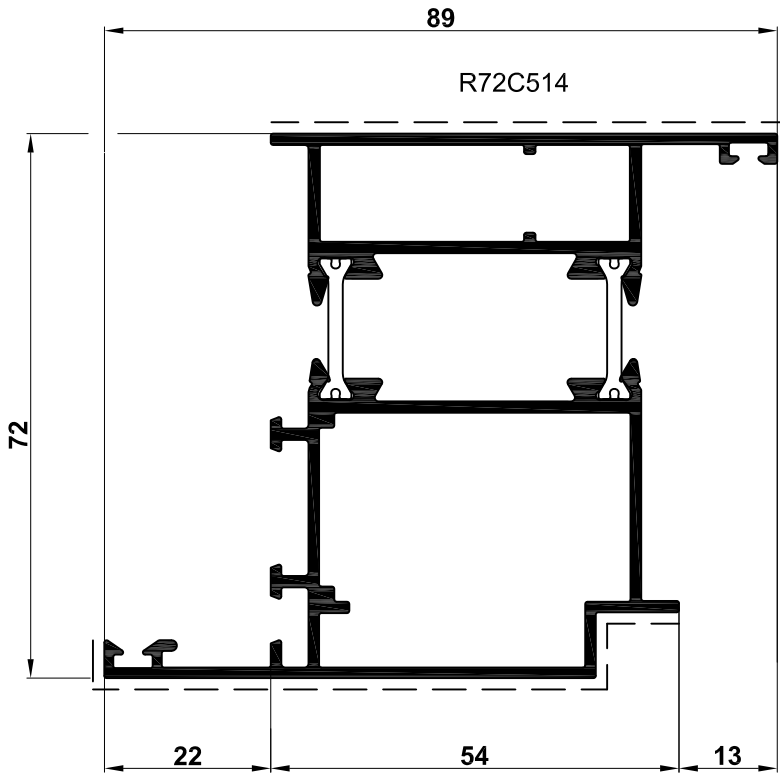


RIPORTO CENTRALE
CENTRAL FILLING

INVERSIONE BATTUTA
RABBET INVERSION

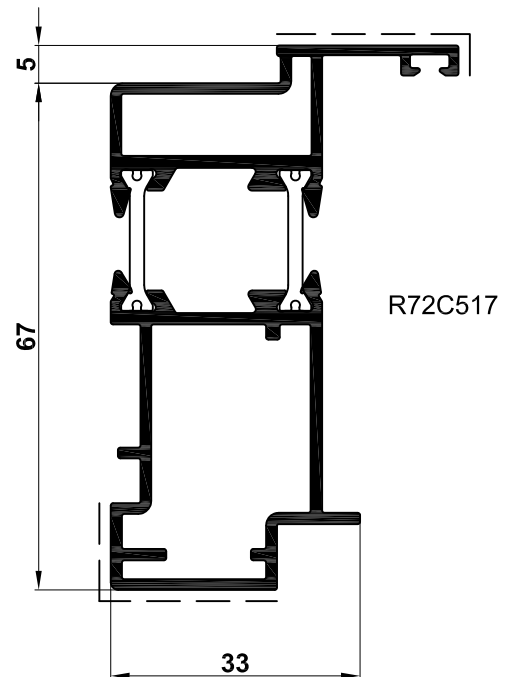
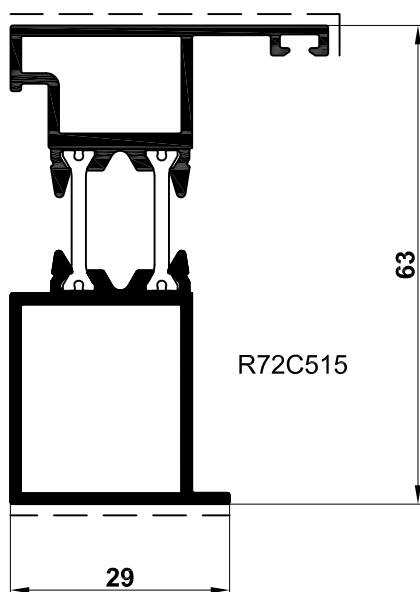
SOLUZIONE ABB. TWALL 50
SOLUTIONS TWALL 50

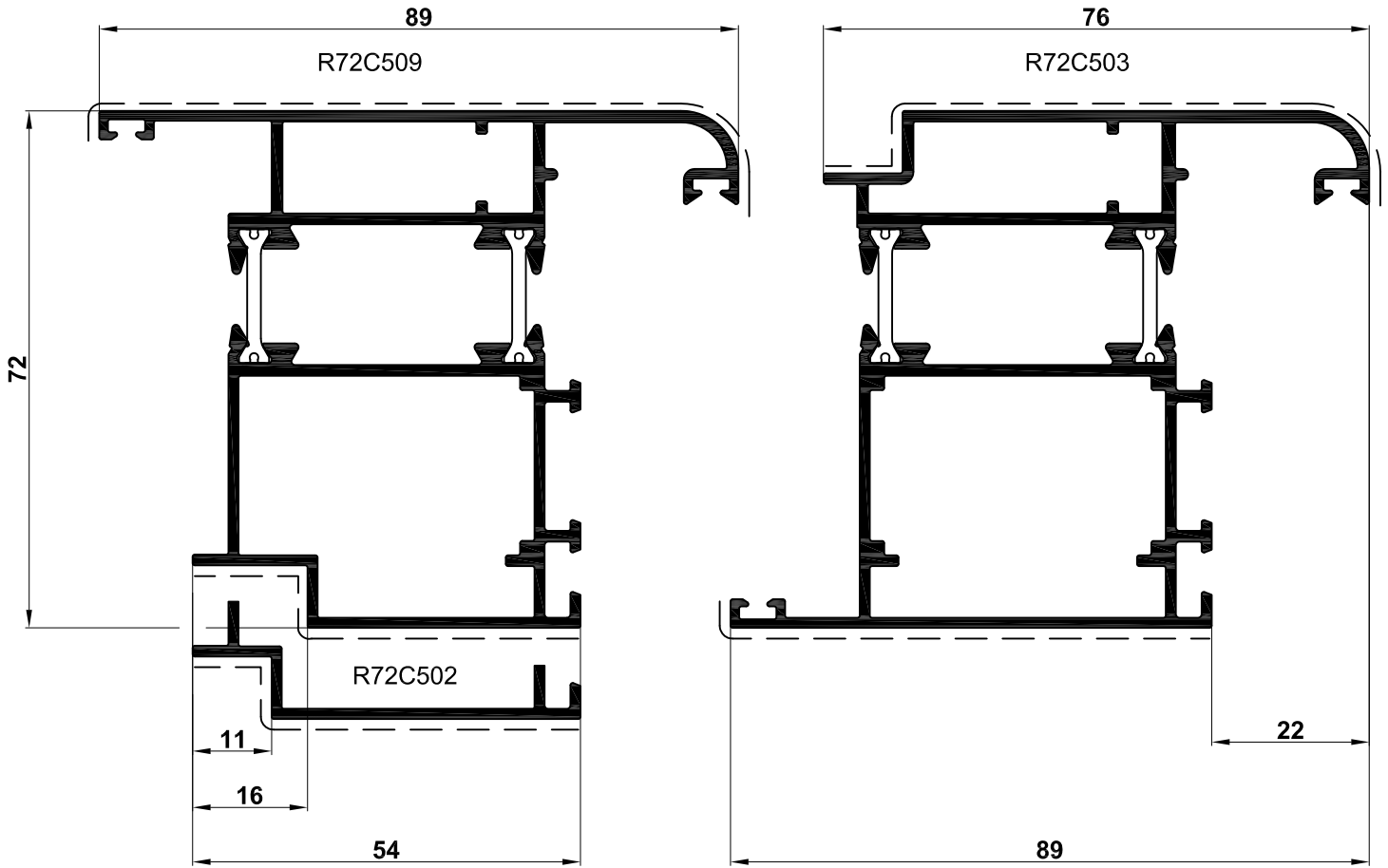




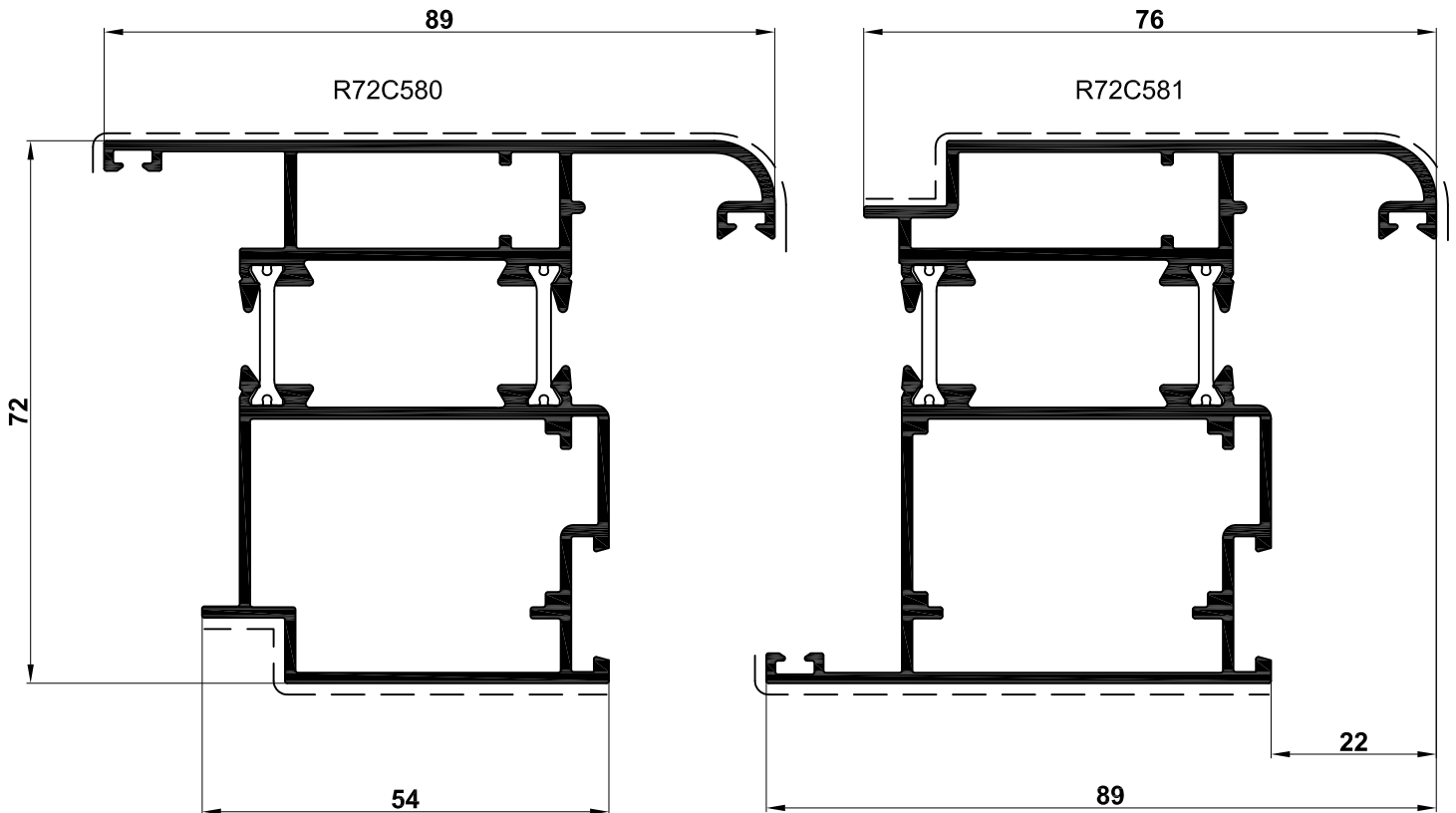
RIPORTO CENTRALE APERTURA INTERNA
CENTRAL FILLING FOR INWARD OPENING

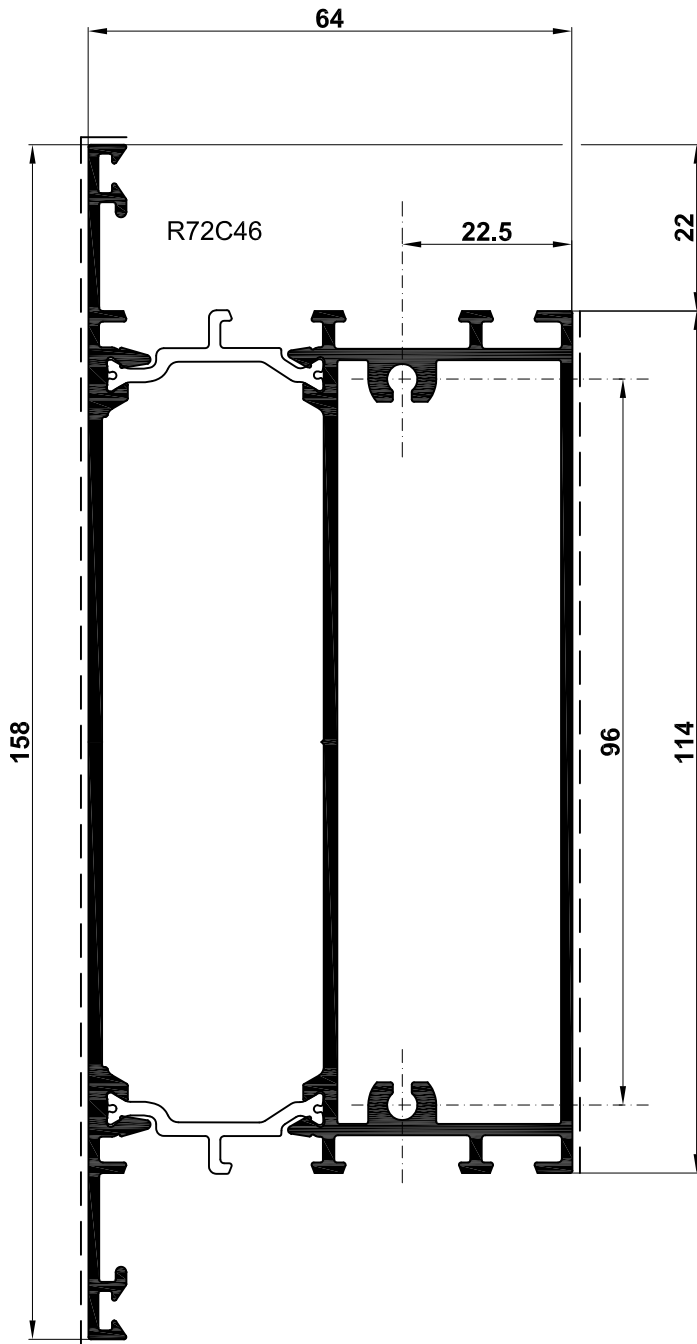
INVERSIONE BATTUTA:
RABBET INVERSION:



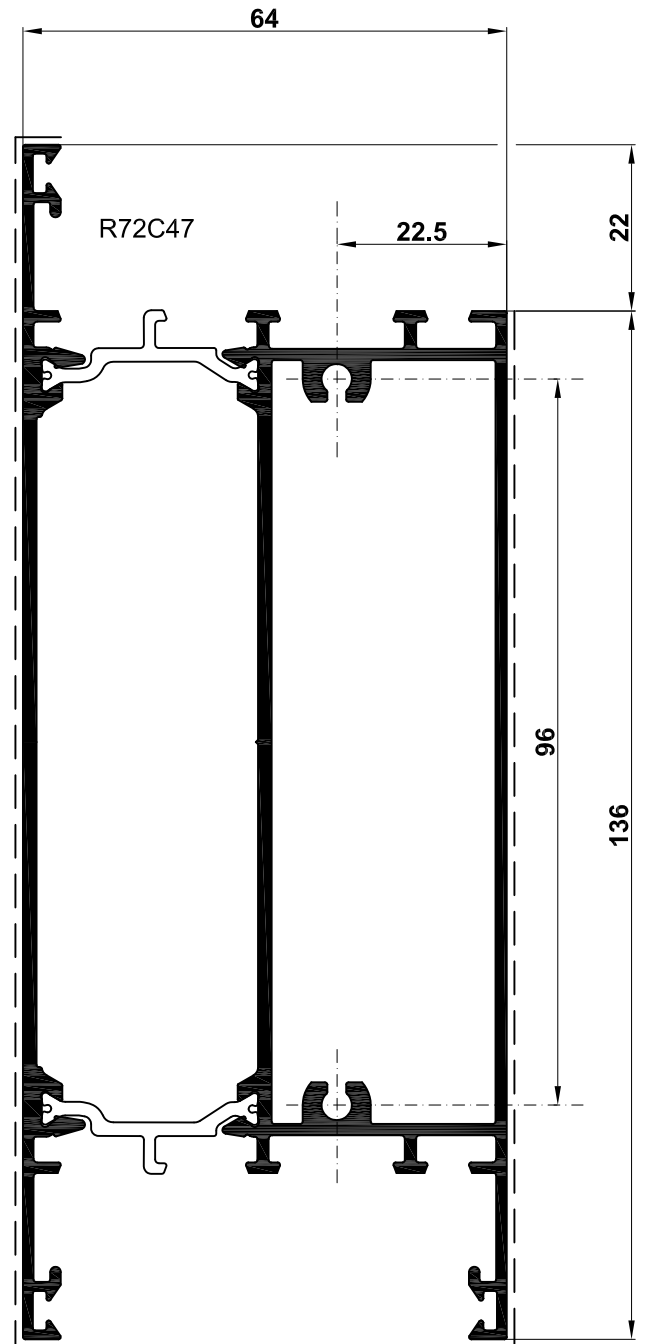


ANTE PER FERMAVETRI "CE"
WINGS FOR GLASS BEADING "CE"

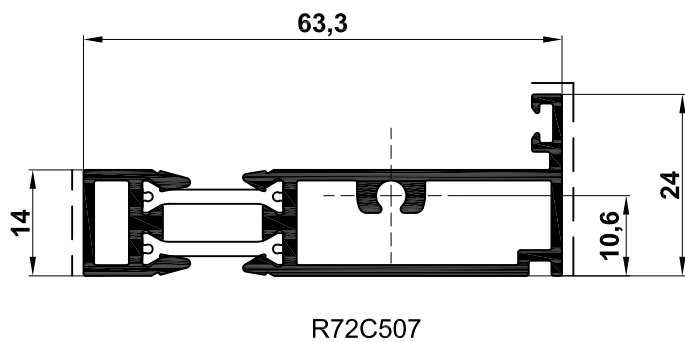




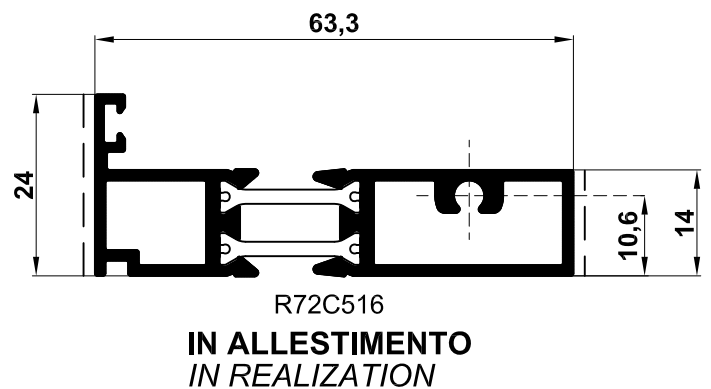
PROFILATO SOGLIA
FRAME SECTION



PROFILATO SOGLIA APERTURA INTERNA
FRAME SECTION INWARD OPENING

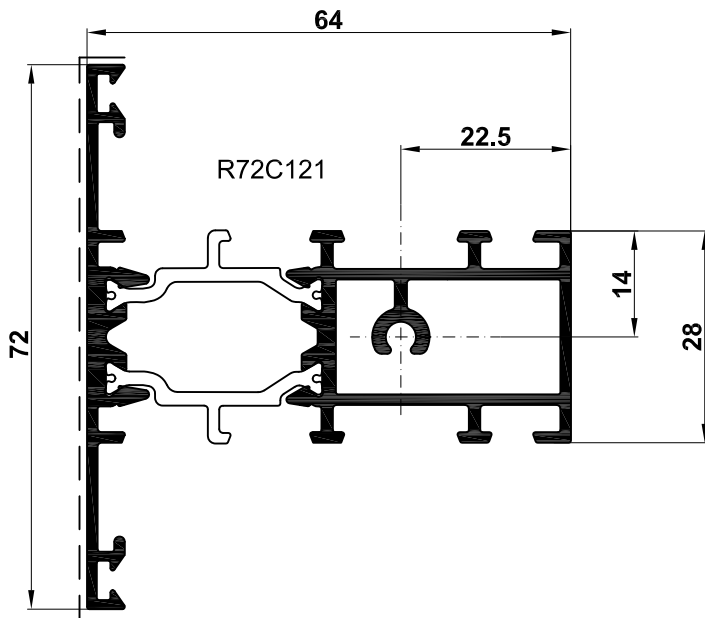
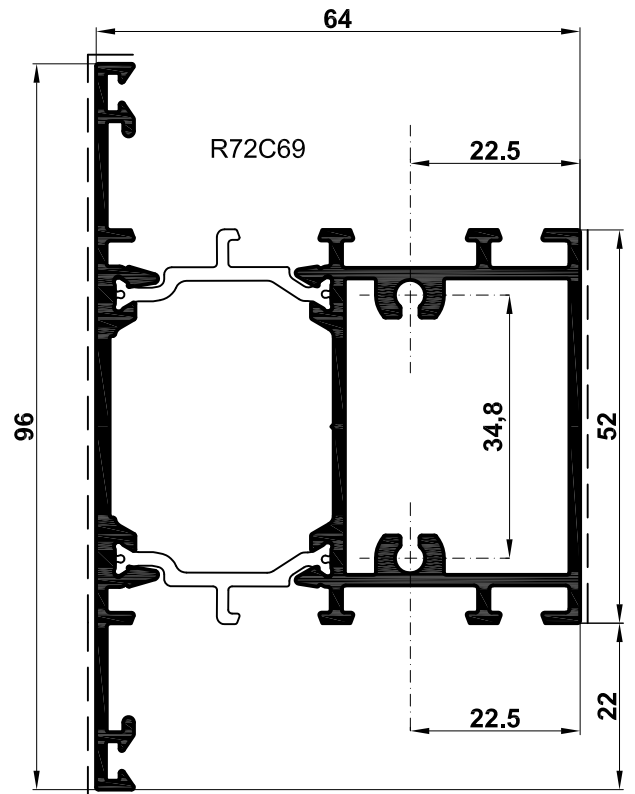
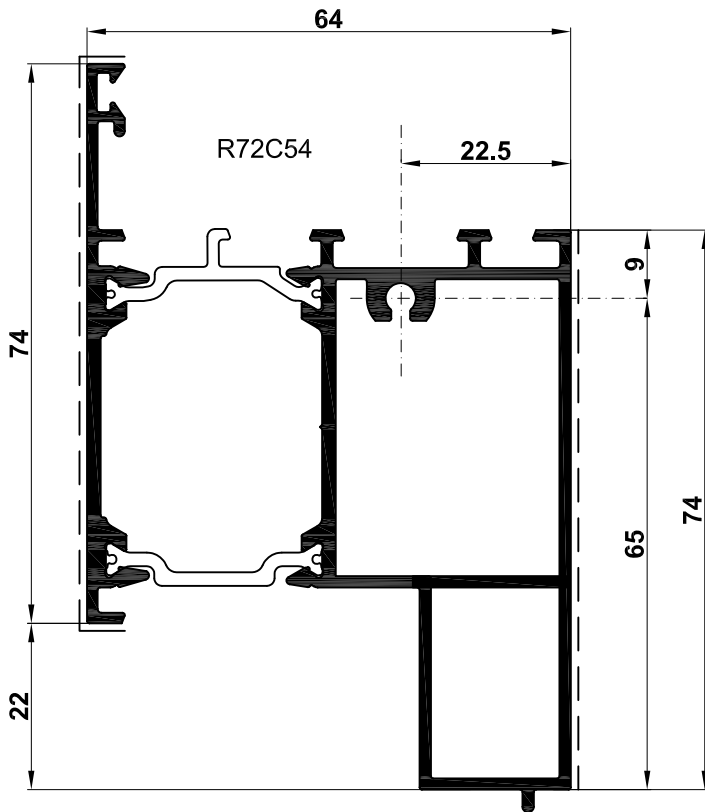


R72C507

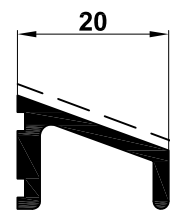


R72C516

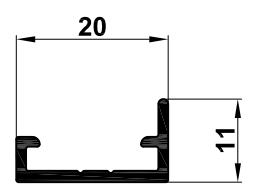
IN ALLESTIMENTO
IN REALIZATION



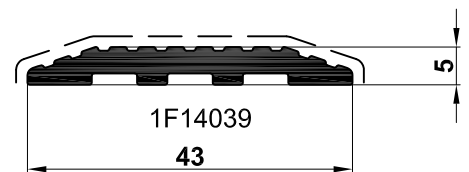
VARI
SUNDRIES



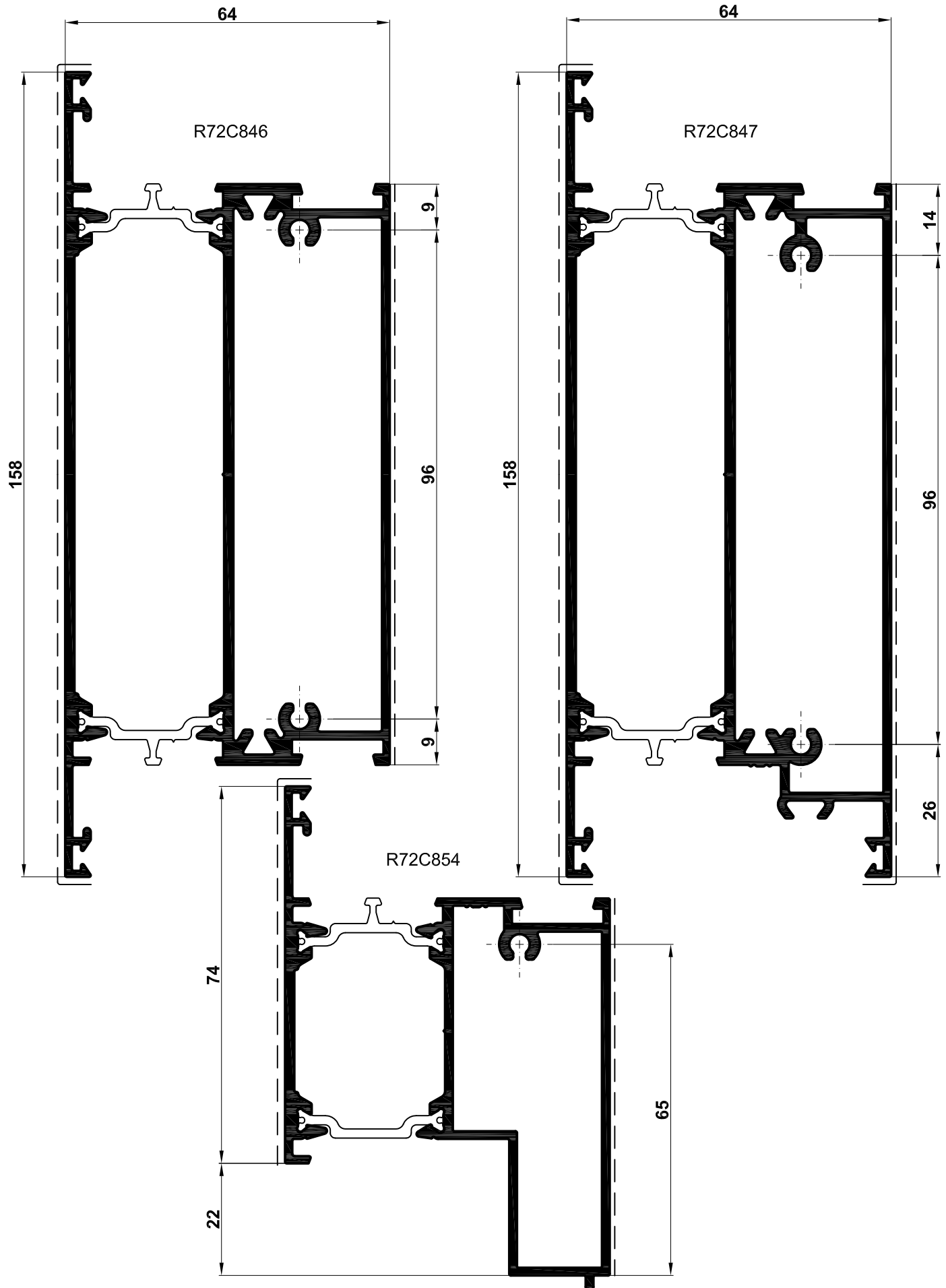
100009

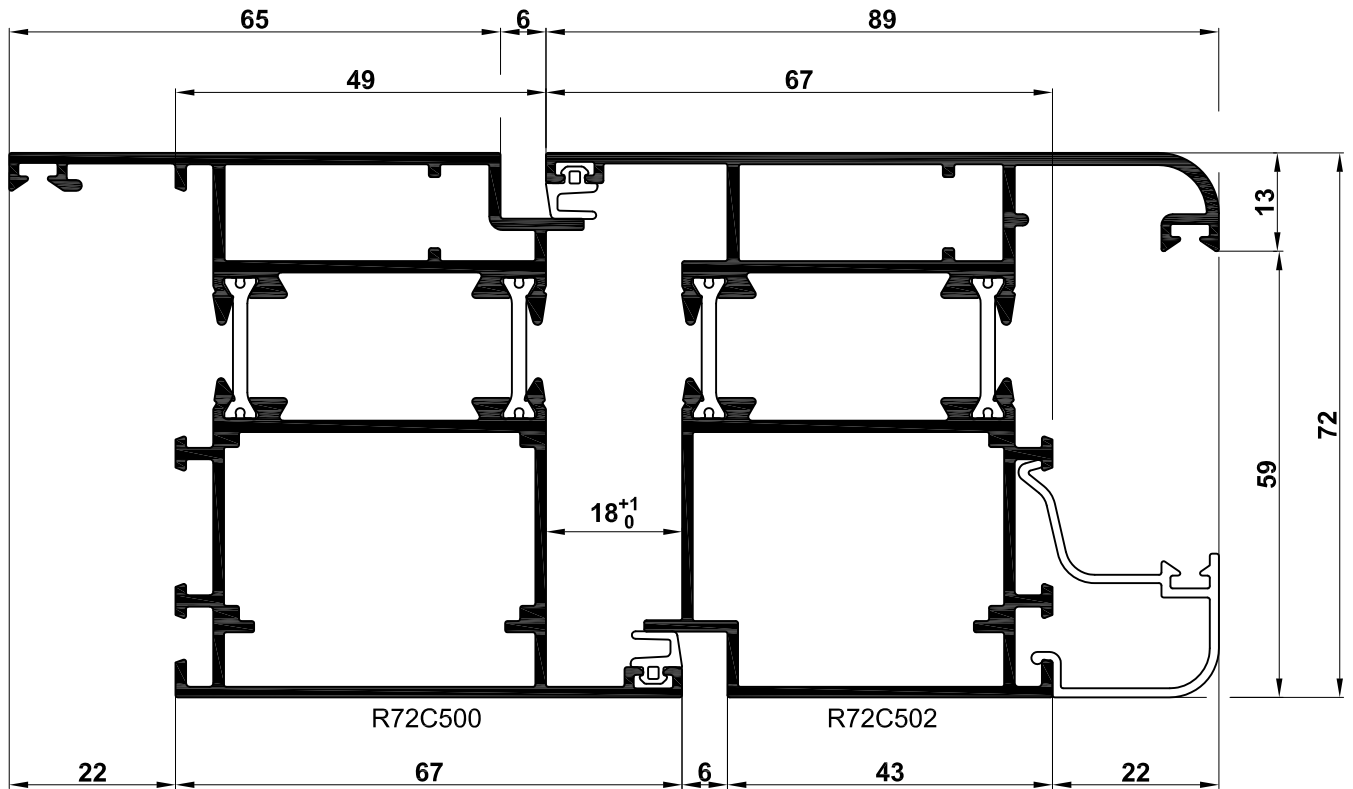


1F14042

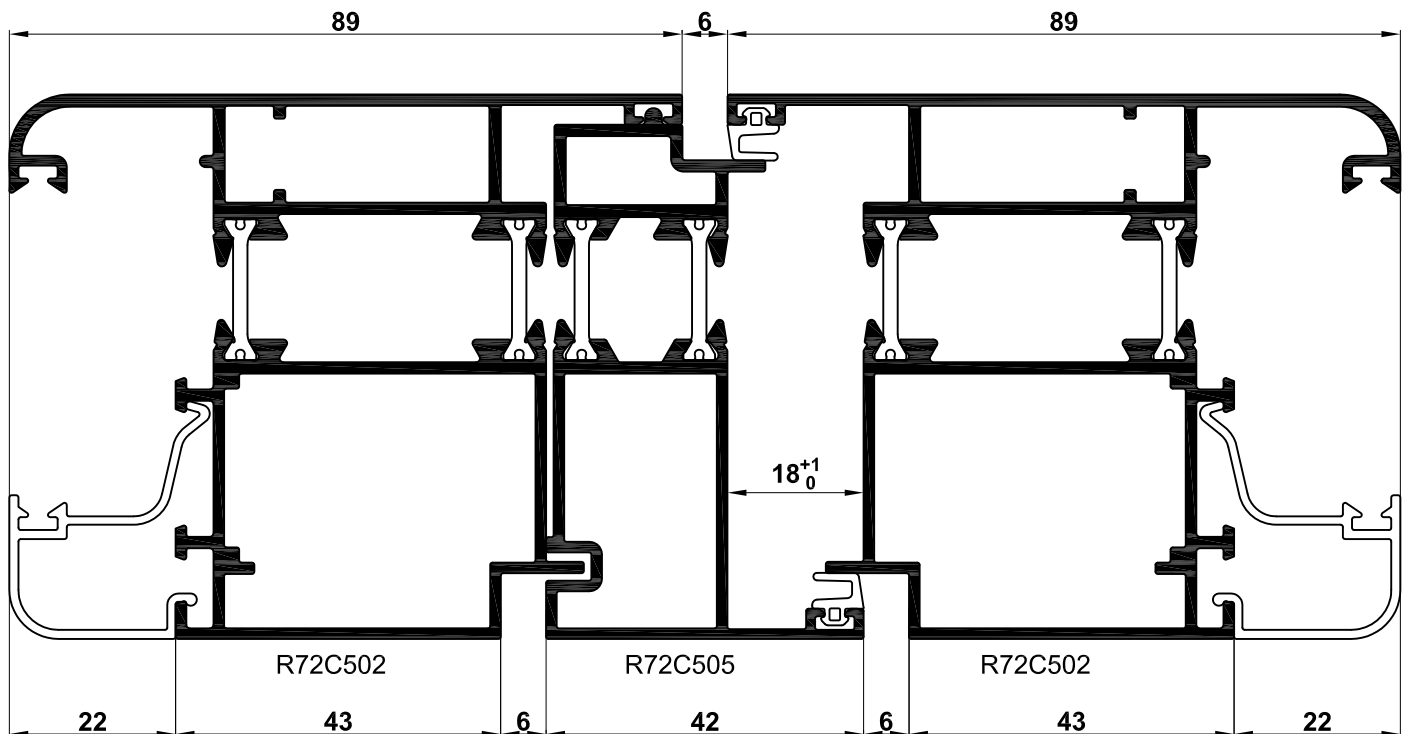


1F14039
43





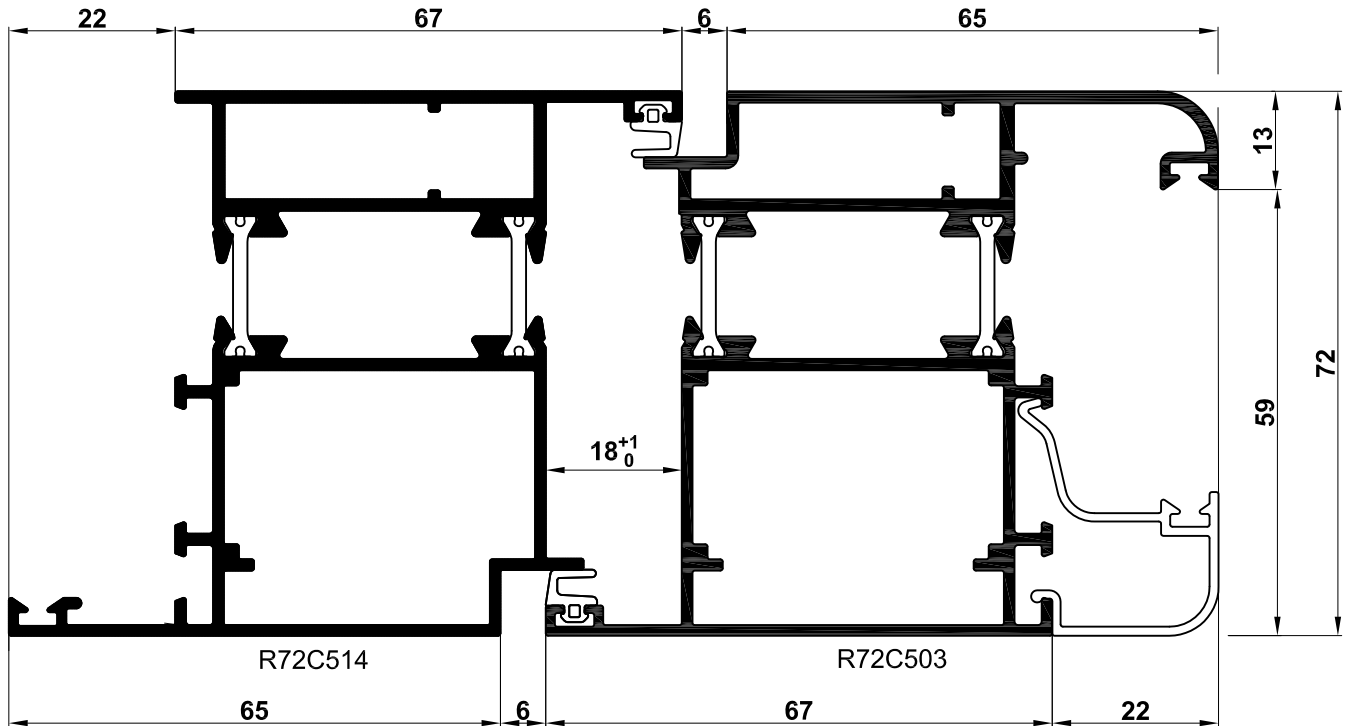
- Schema valido anche per nodo centrale "Z (R72C503) - T (R72C502)"
 - Valid also for central solution "Z (R72C503) - T (R72C502)"



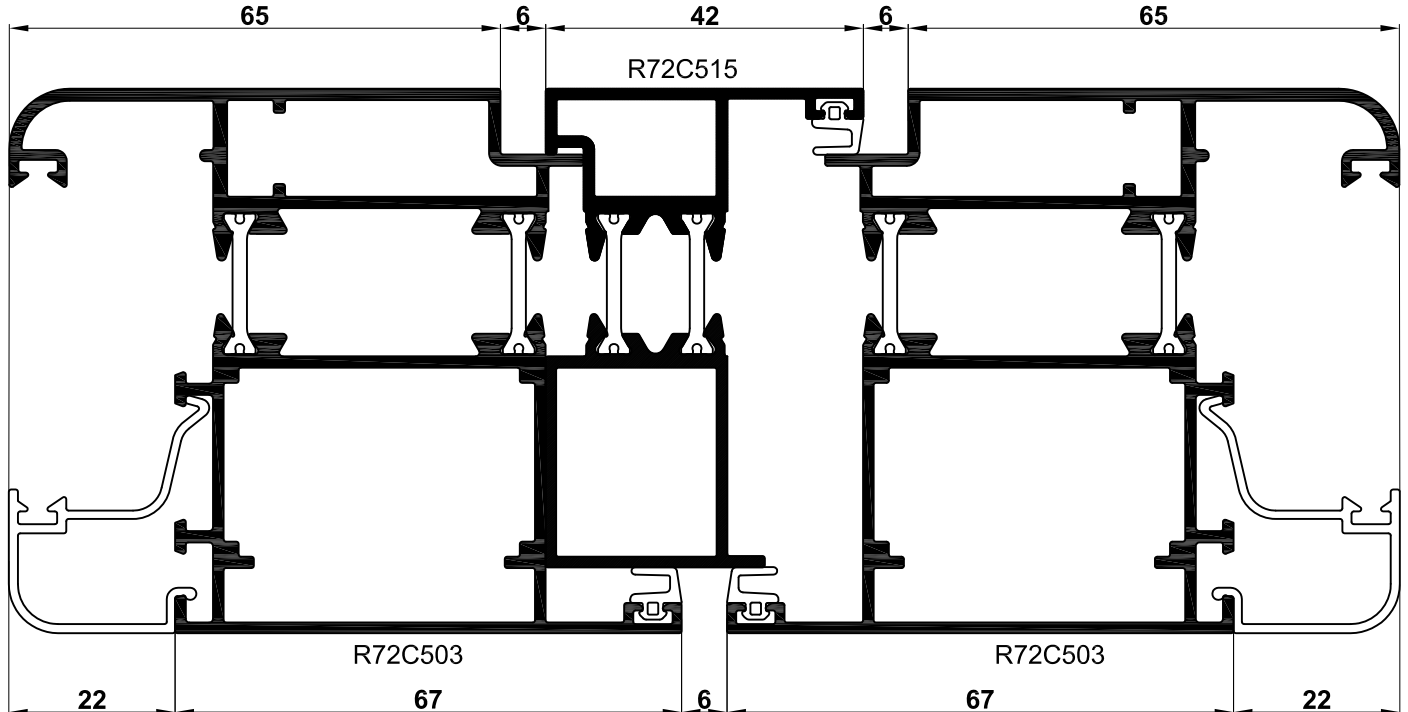
- Per distinte di taglio e inserimento accessori, tenere presente questo schema
 - Take this diagram into consideration for cut and accessories

N.B.:
 - Le dimensioni indicate sono state ottenute considerando le quote teoriche.

N.B.:
 - The dimensions indicated, are obtained considering theoretical values.



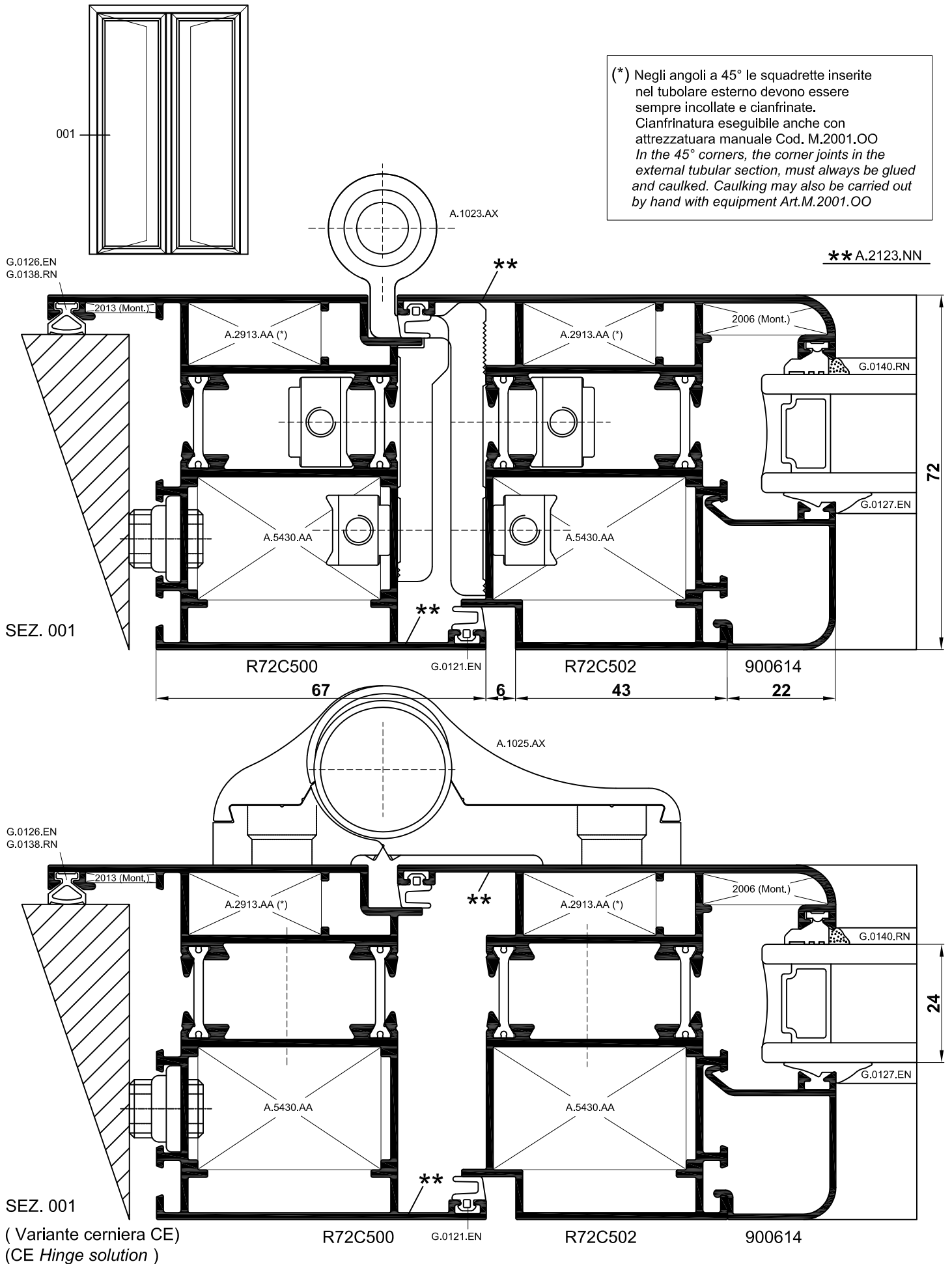
- Schema valido anche per nodo centrale "Z (R72C503) - T (R72C502)"
 - Valid also for central solution "Z (R72C503) - T (R72C502)"

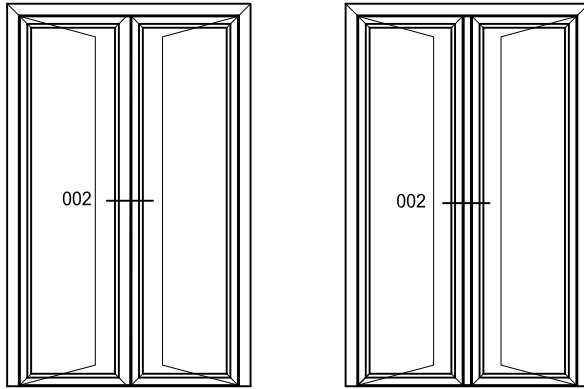


- Per distinte di taglio e inserimento accessori, tenere presente questo schema
 - Take this diagram into consideration for cut and accessories

N.B.:
 - Le dimensioni indicate sono state ottenute considerando le quote teoriche.

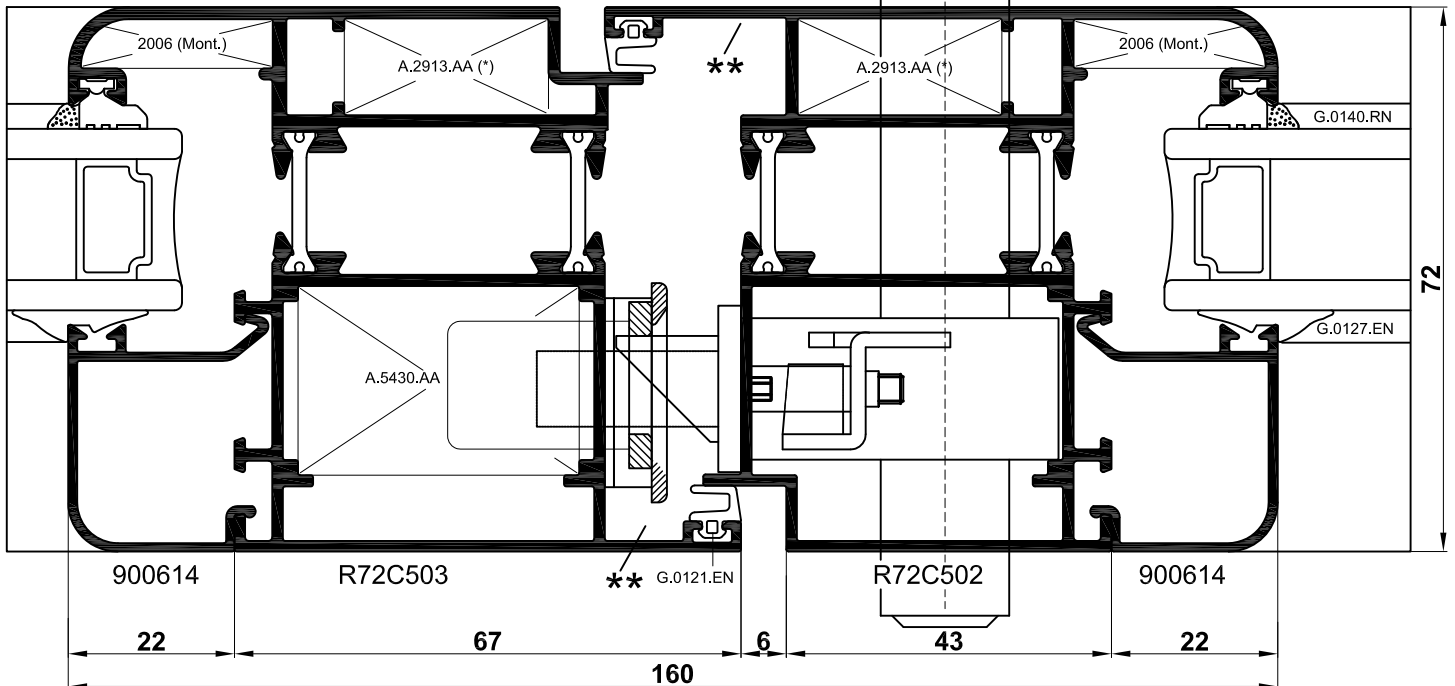
N.B.:
 - The dimensions indicated, are obtained considering theoretical values.



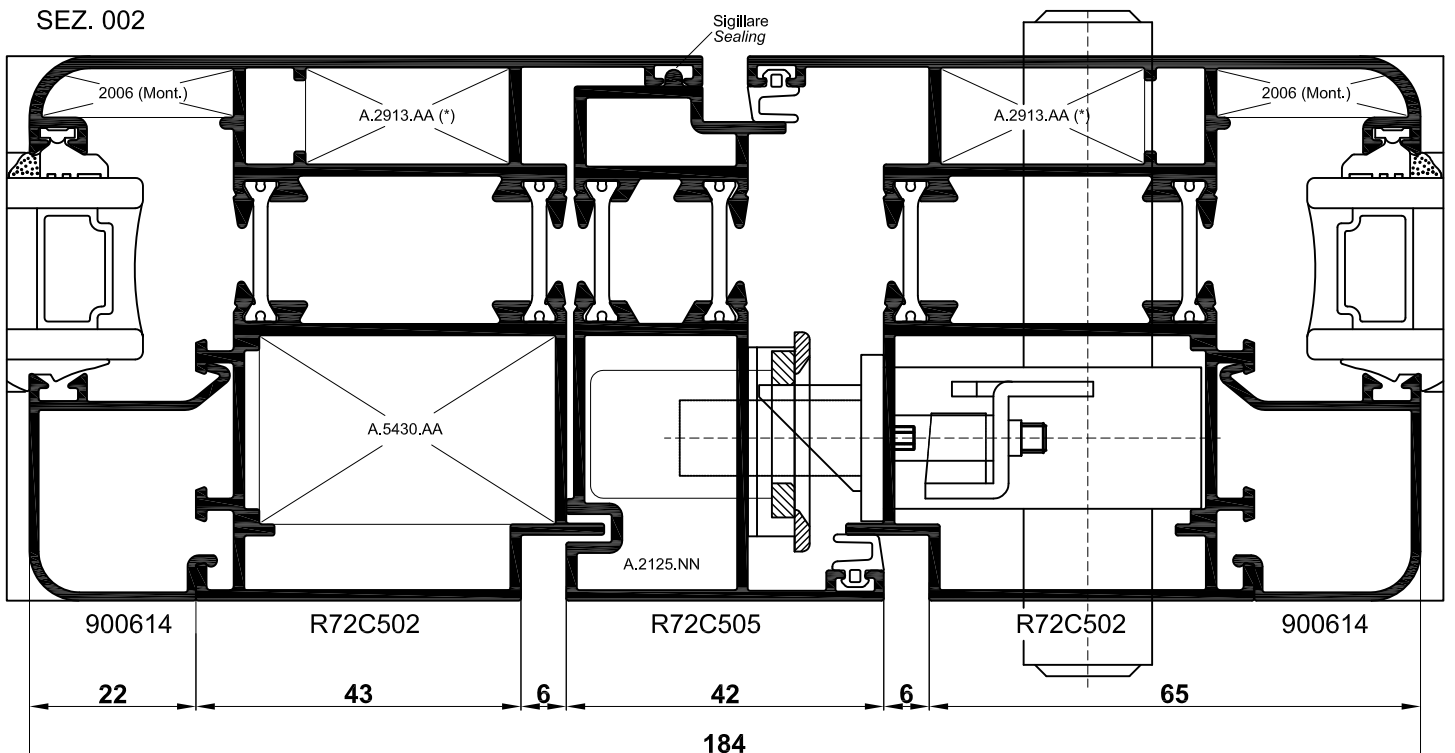


(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO

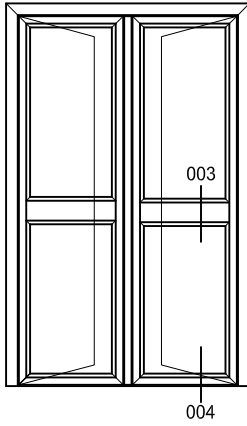
** A.2123.NN



SEZ. 002

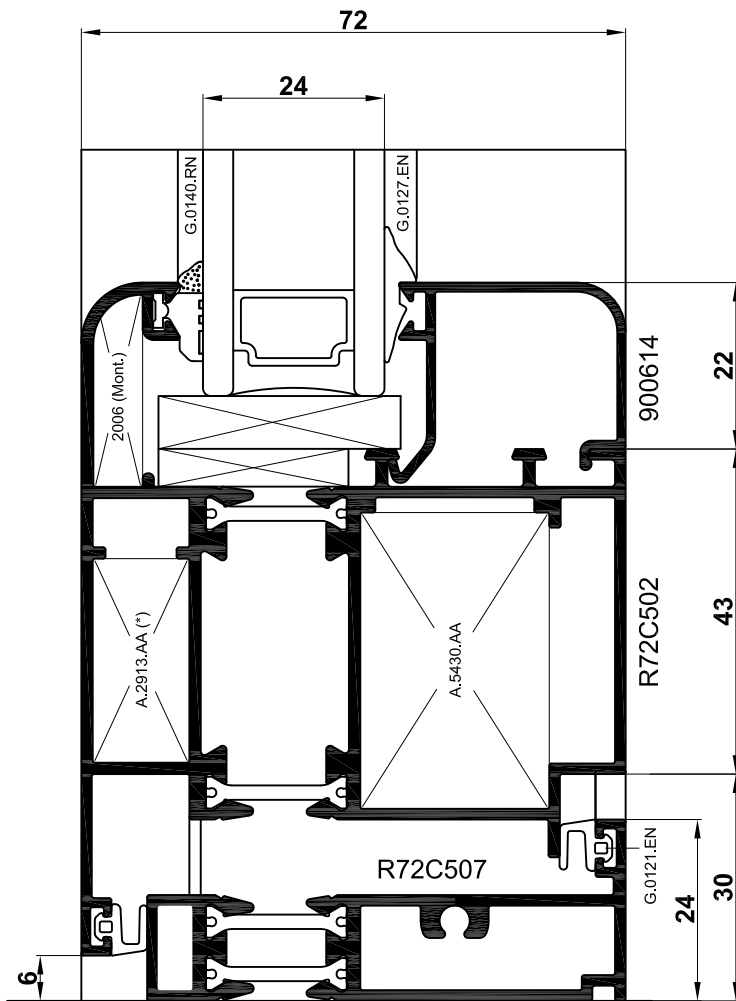


(Variante con riporto centrale)
SEZ. 002 (Central filling profile solution)

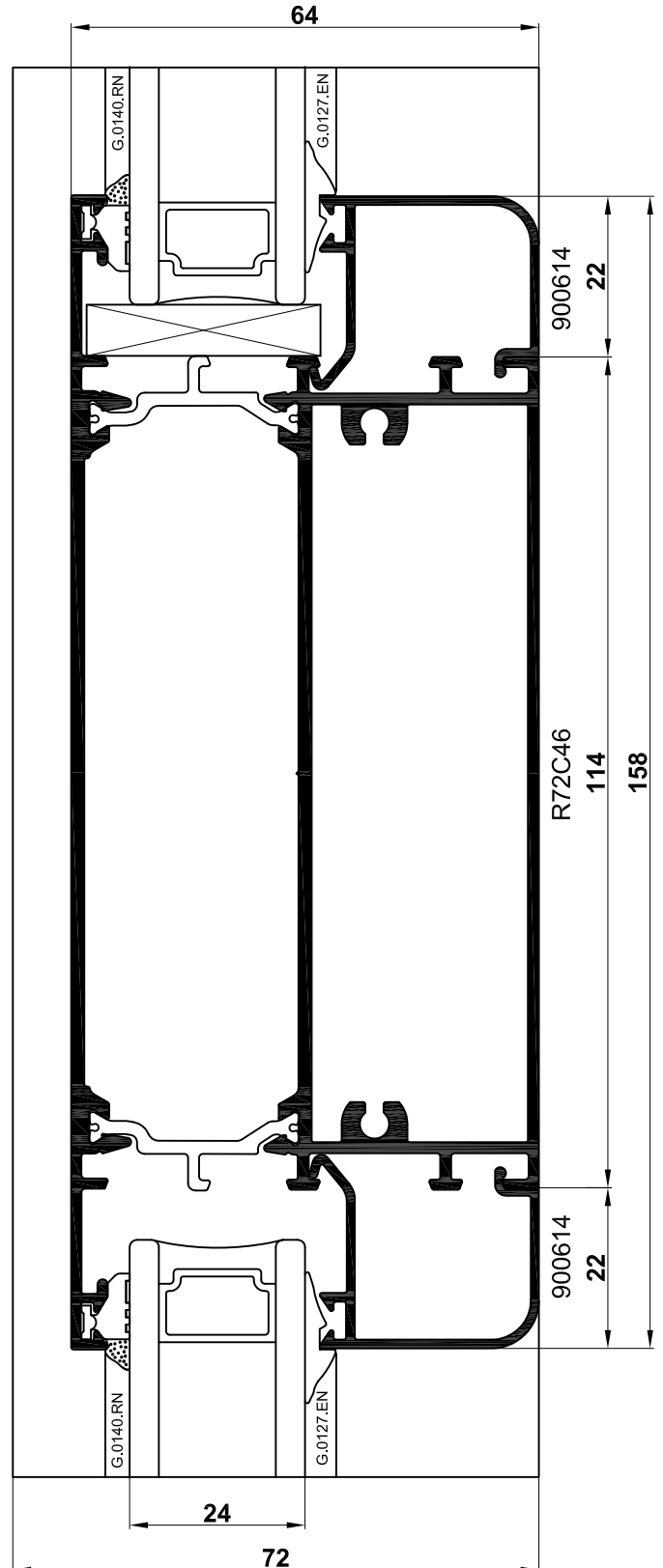


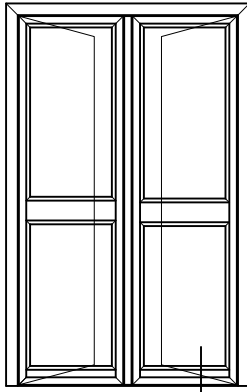
SEZ. 003

(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.00
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.00

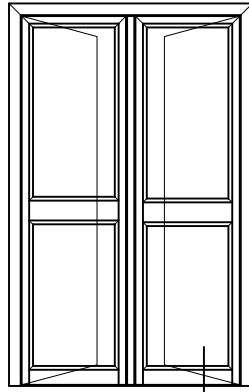


SEZ. 004





005

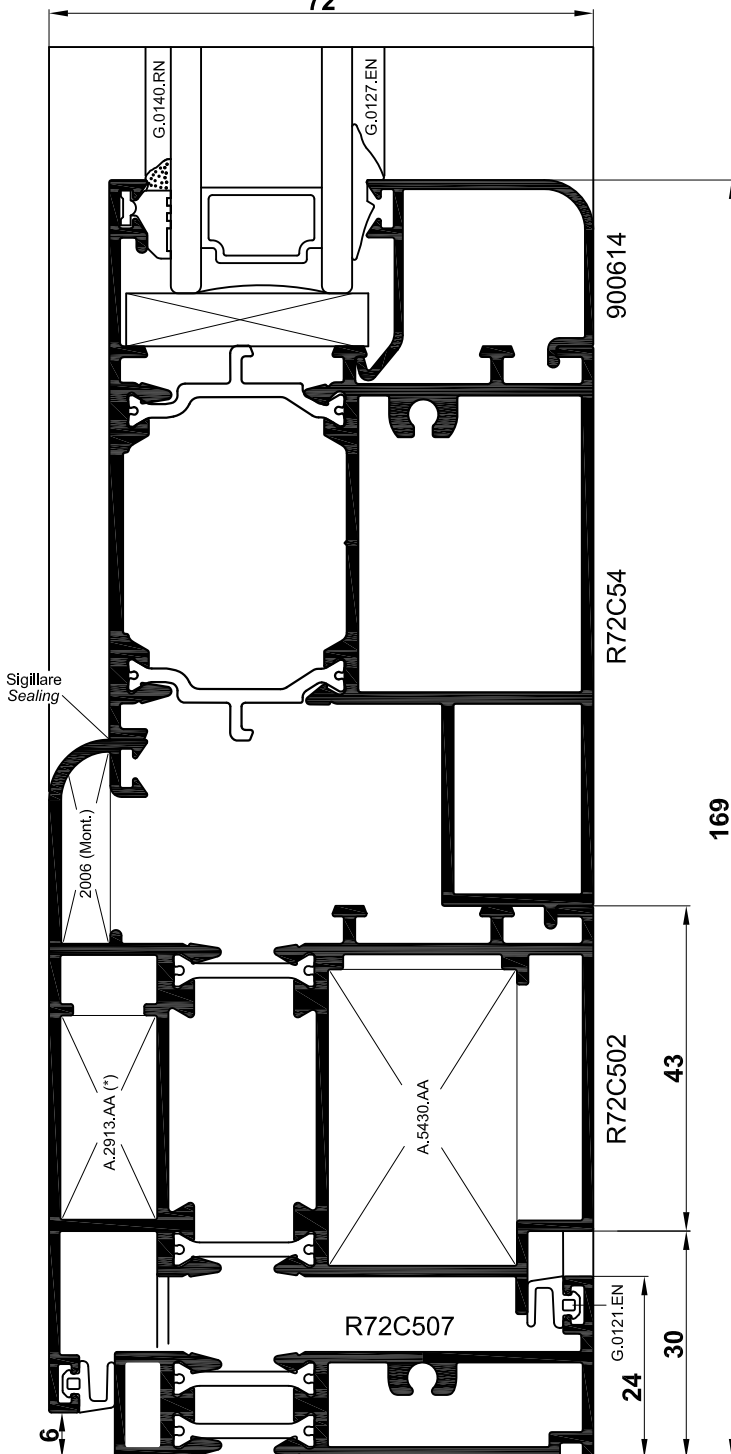


006

(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.00
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.00

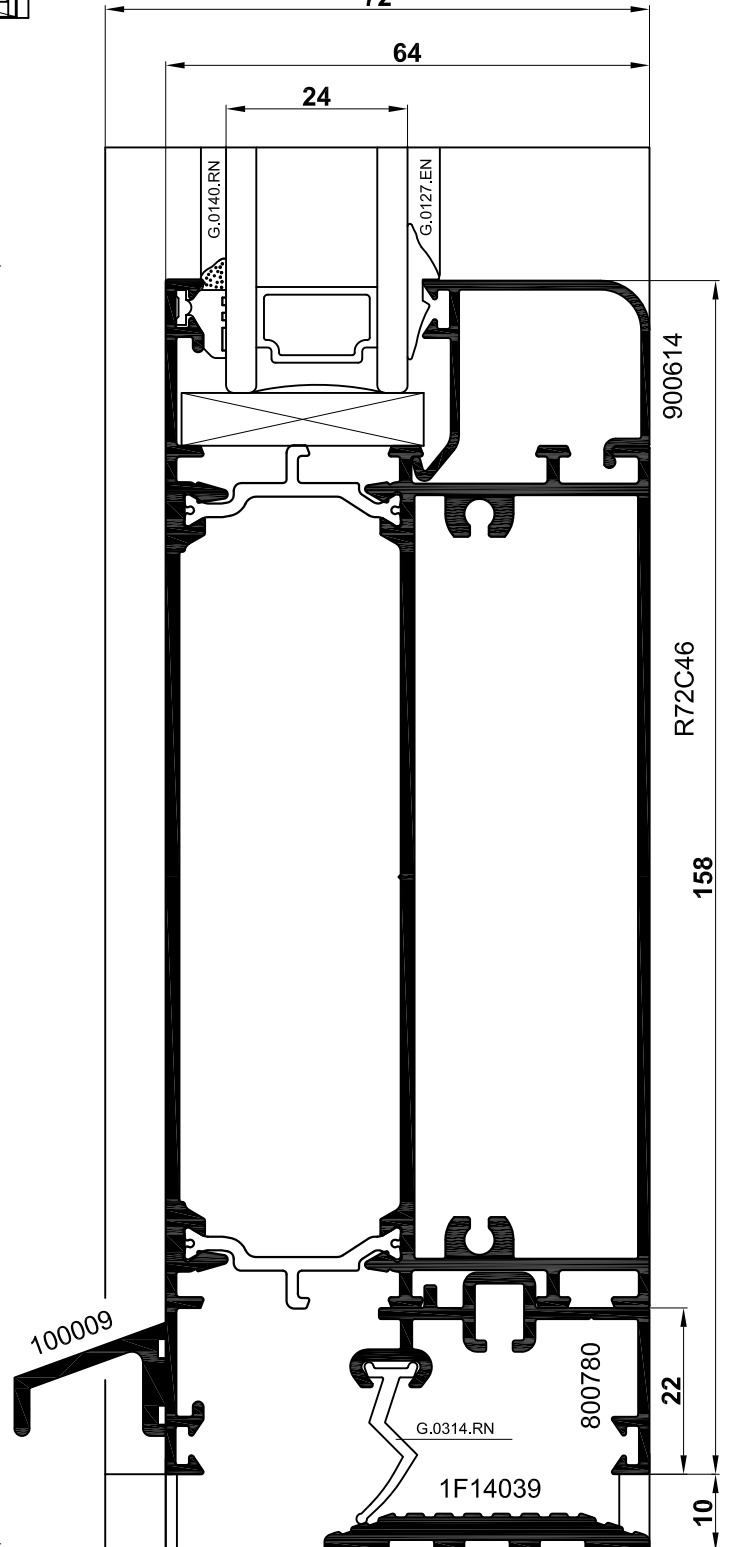
SEZ. 005

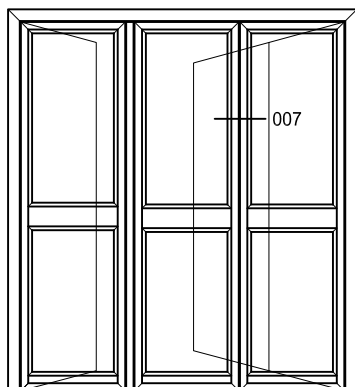
72



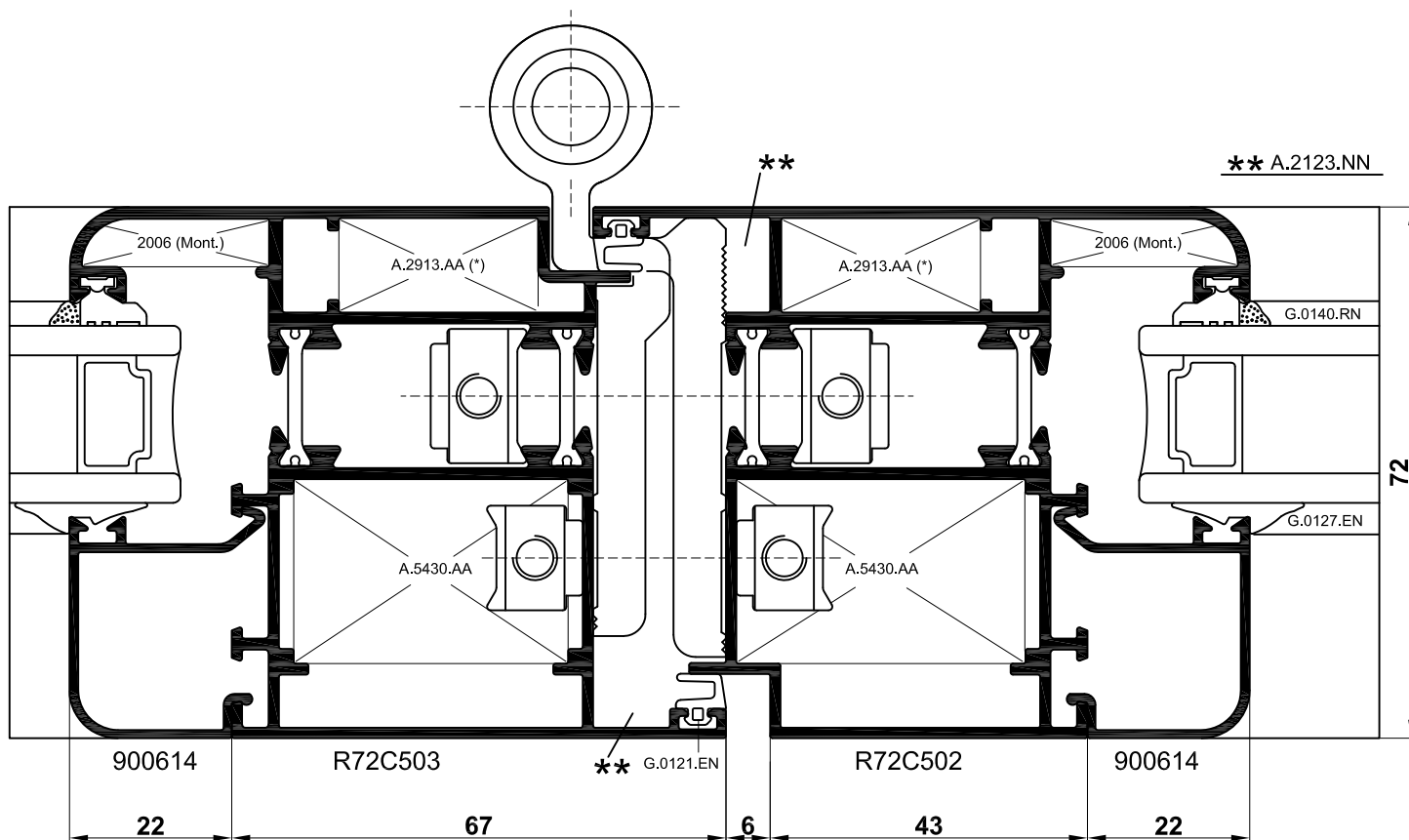
SEZ. 006

72



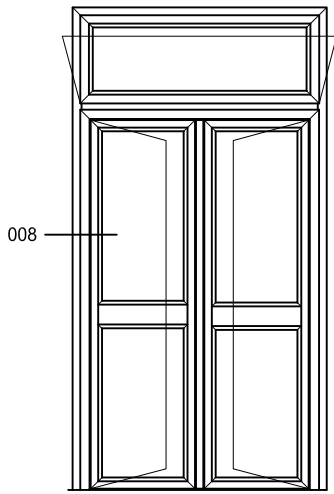


(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO



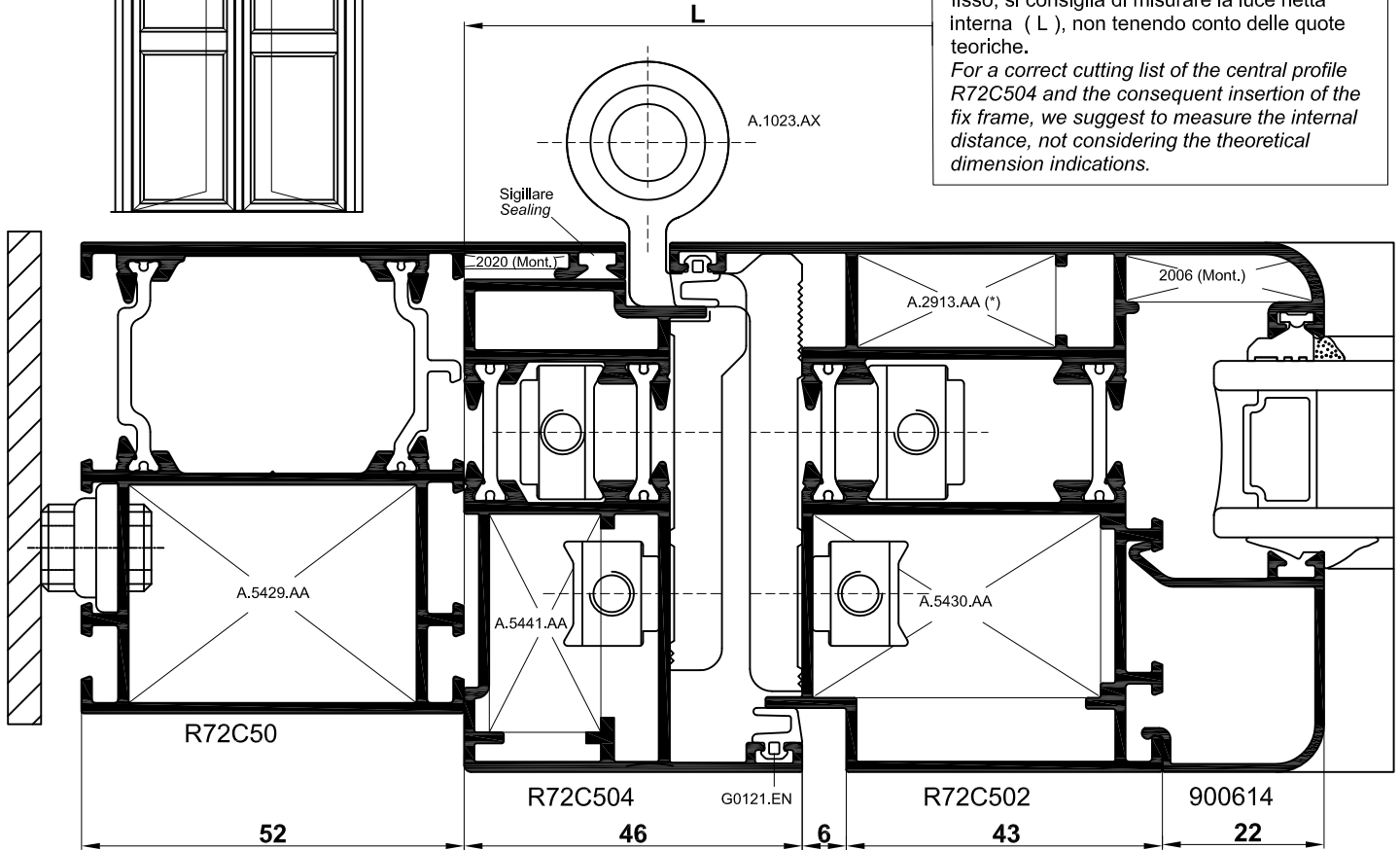
SEZ. 007

Per la chiusura dell'anta usare il kit catenaccio art. A.4303.BN posizionando le cerniere, superiore ed inferiore, oltre il catenaccio.
For the closing of the door, use the kit latch code. A.4303.BN placing the hinges, top and bottom, over the latch

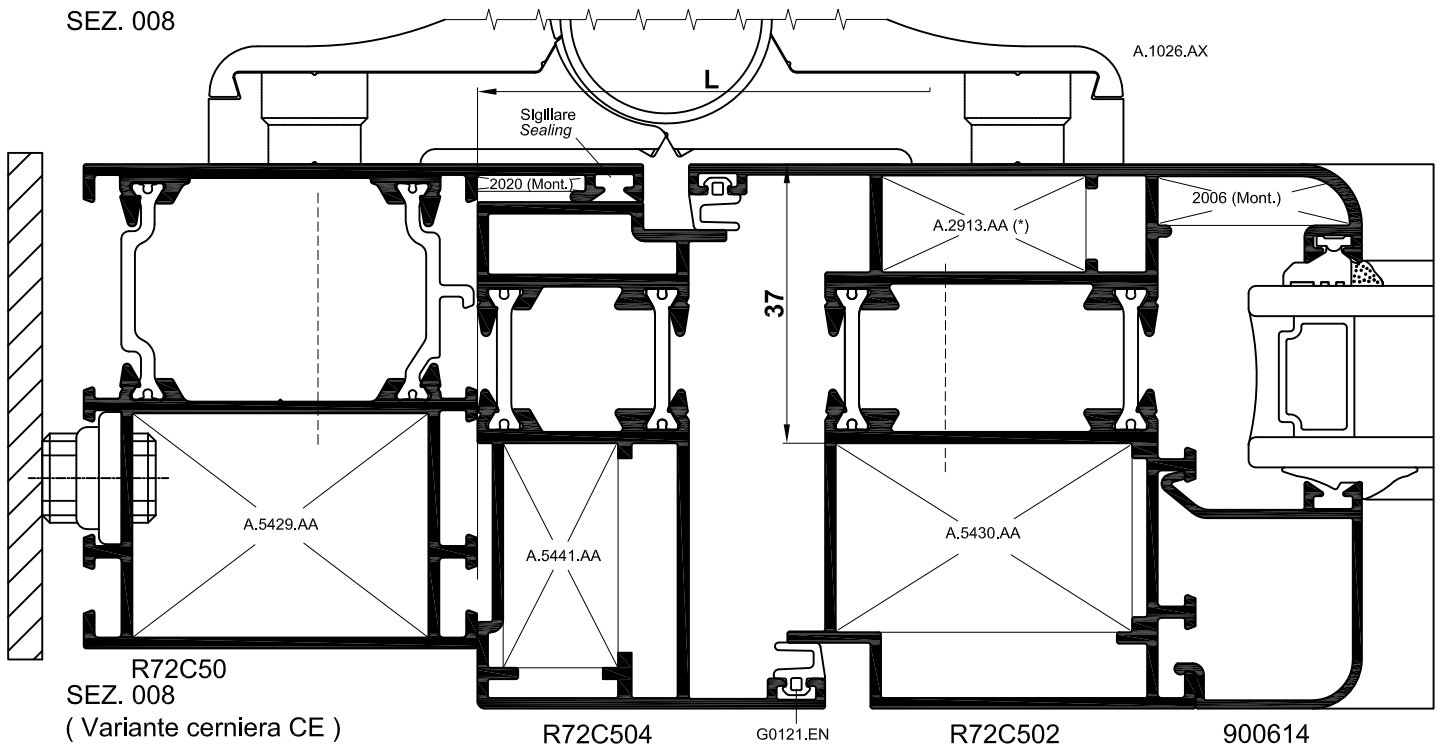


(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO

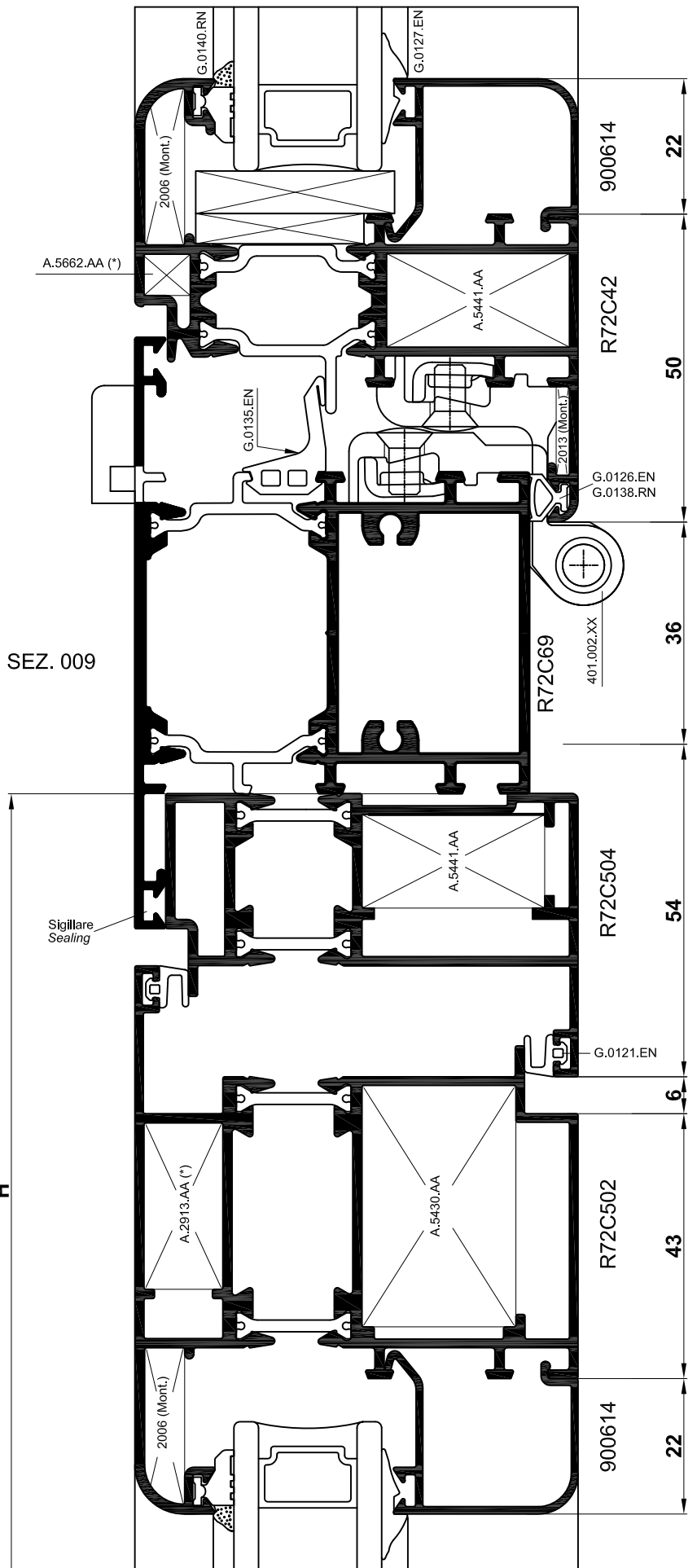
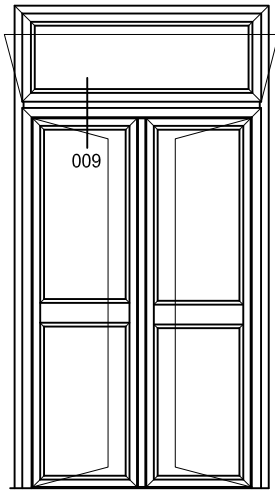
Per una corretta distinta di taglio del profilato di riporto R72C504 ed il conseguente inserimento del profilato all'interno del telaio fisso, si consiglia di misurare la luce netta interna (L), non tenendo conto delle quote teoriche.
 For a correct cutting list of the central profile R72C504 and the consequent insertion of the fix frame, we suggest to measure the internal distance, not considering the theoretical dimension indications.



SEZ. 008

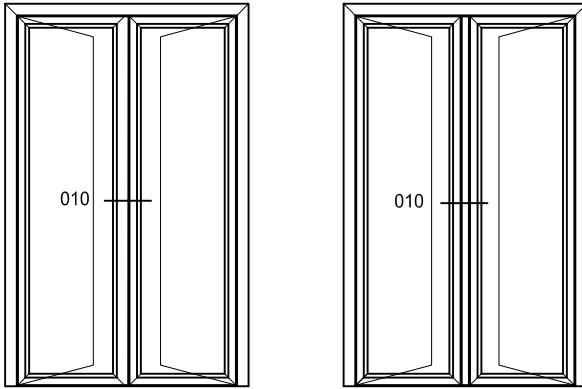


SEZ. 008
 (Variante cerniera CE)
 (CE Hinge solution)



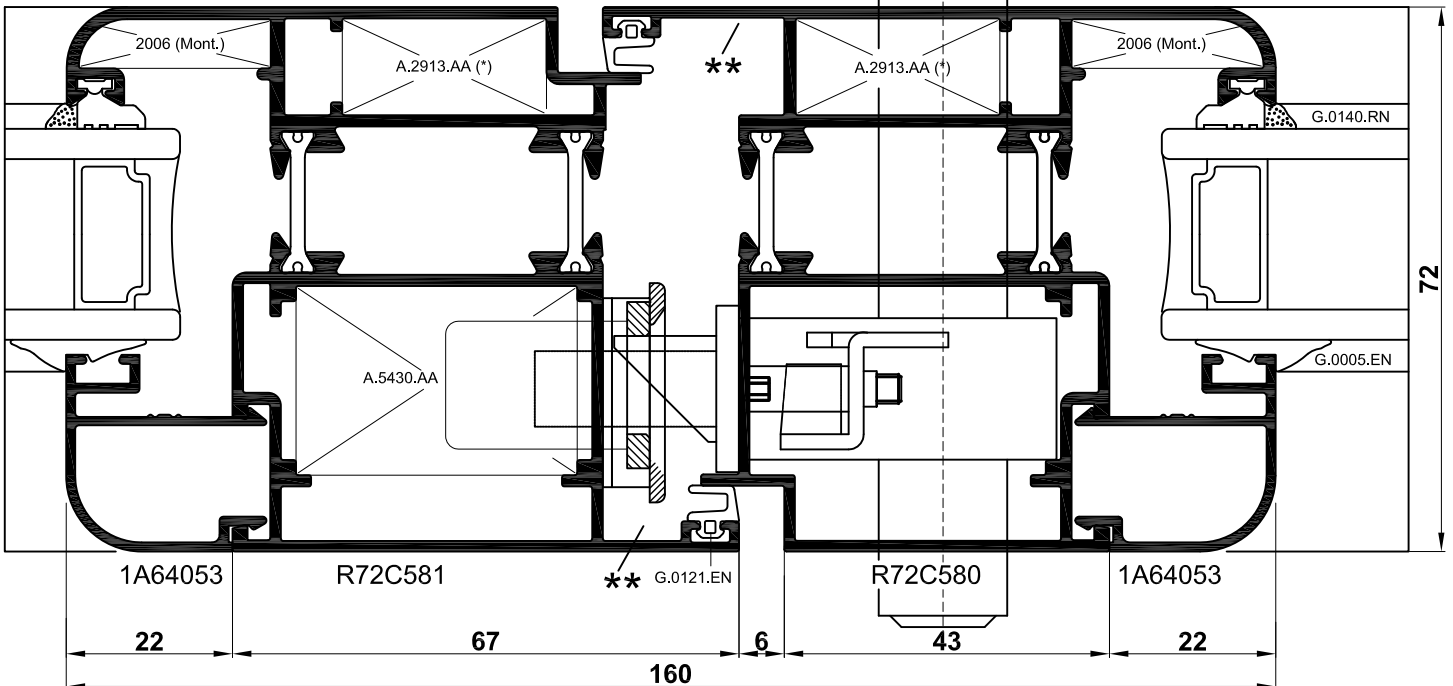
Per una corretta distinta di taglio del profilato di riporto R72C504 ed il conseguente inserimento del profilato all'interno del telaio fisso, si consiglia di misurare la luce netta interna (H), non tenendo conto delle quote teoriche.
 For a correct cutting list of the central profile R72C504 and the consequent insertion of the fix frame, we suggest to measure the internal distance, not considering the theoretical dimension indications.

(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO

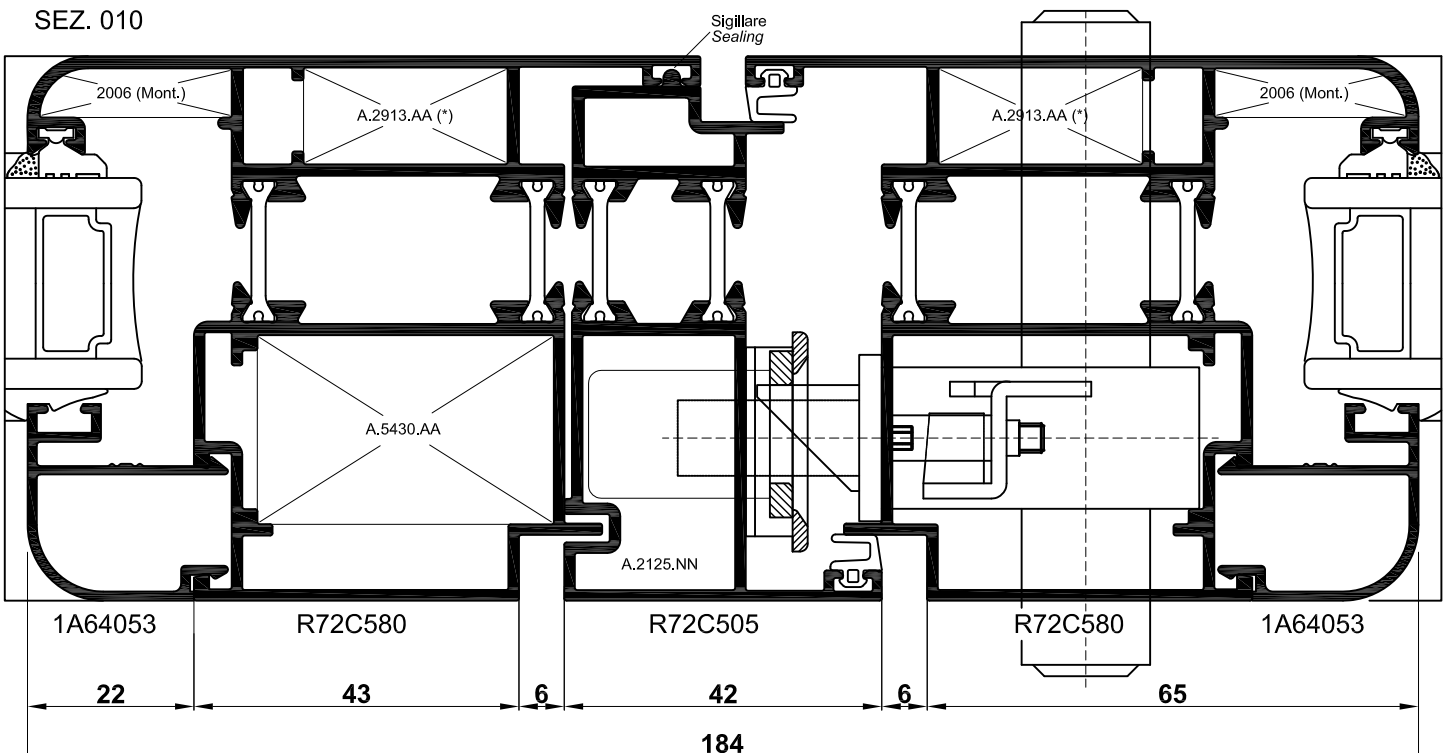


(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO

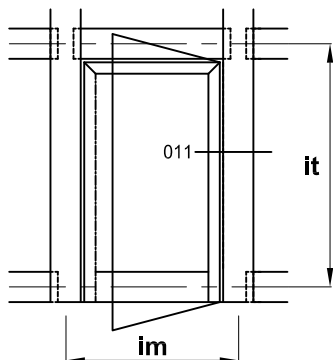
** A.2123.NN



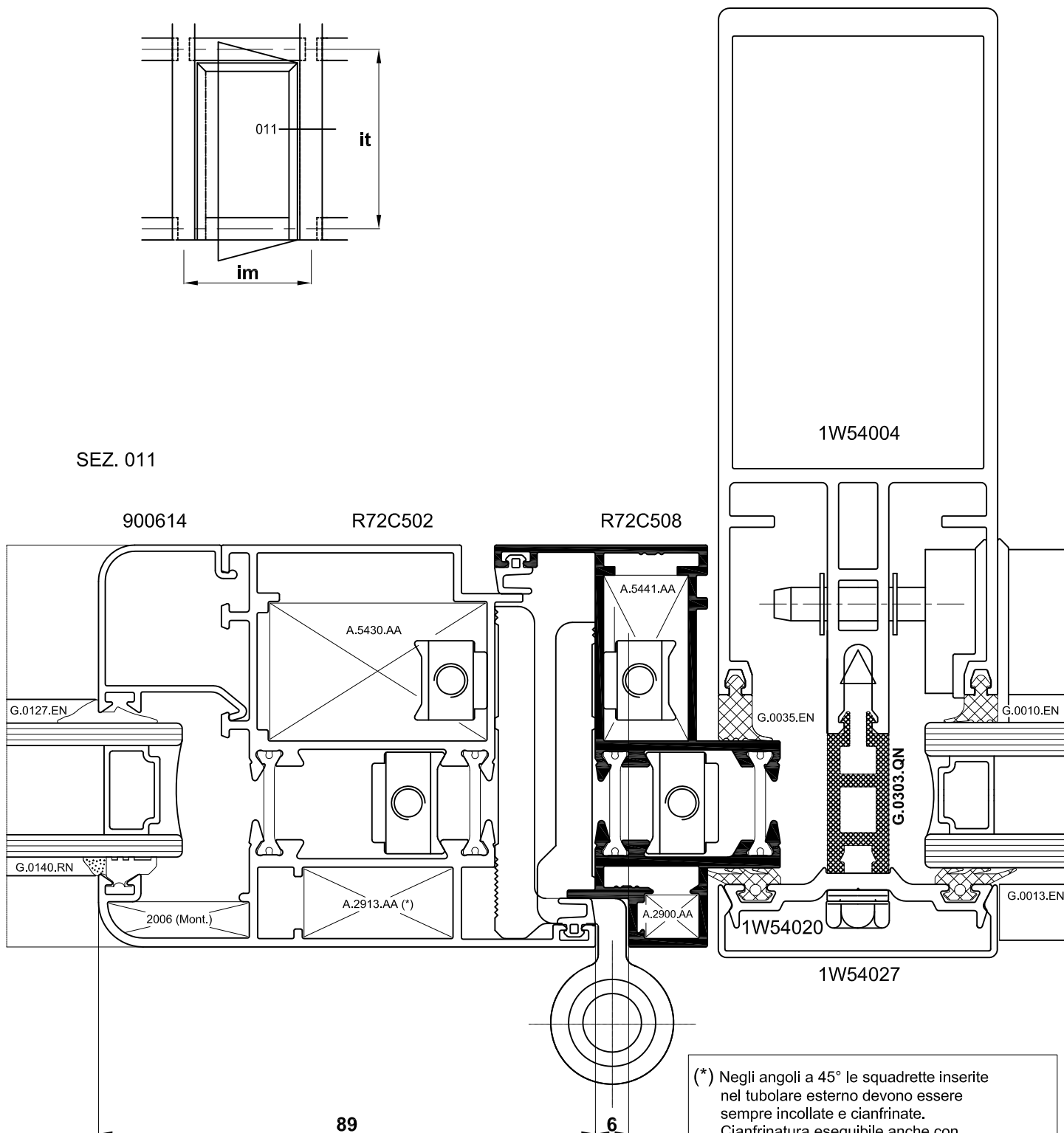
SEZ. 010



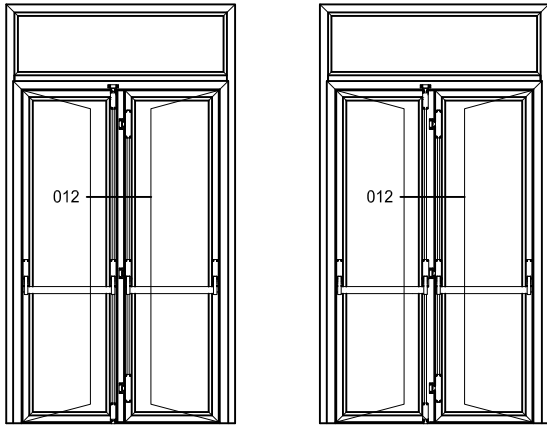
SEZ. 010 (Variante con riporto centrale)
 SEZ. 010 (Central filling profile solution)



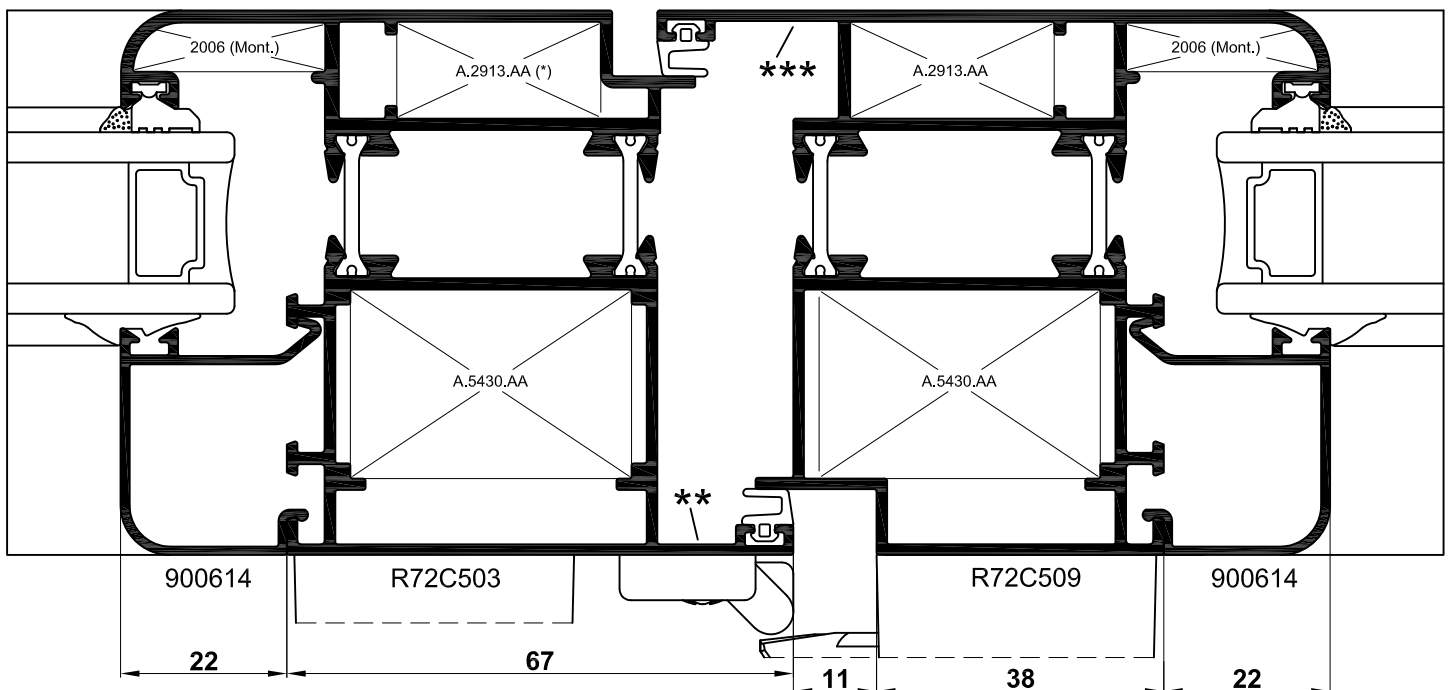
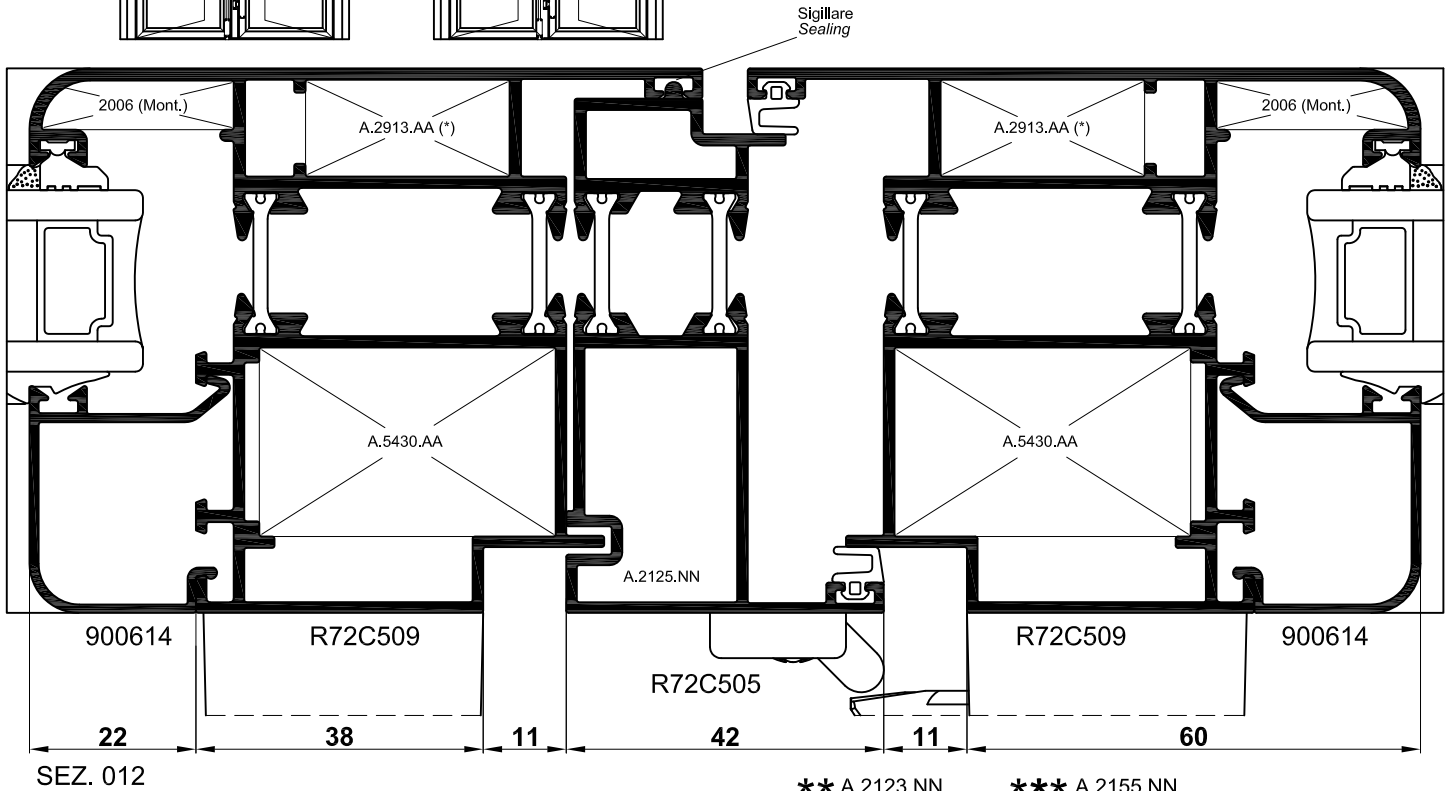
SEZ. 011

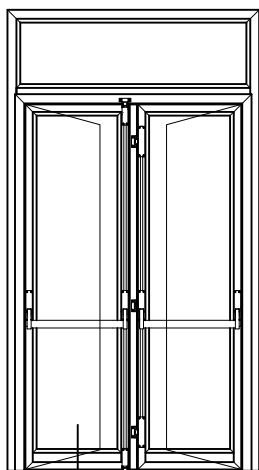


(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO



(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO

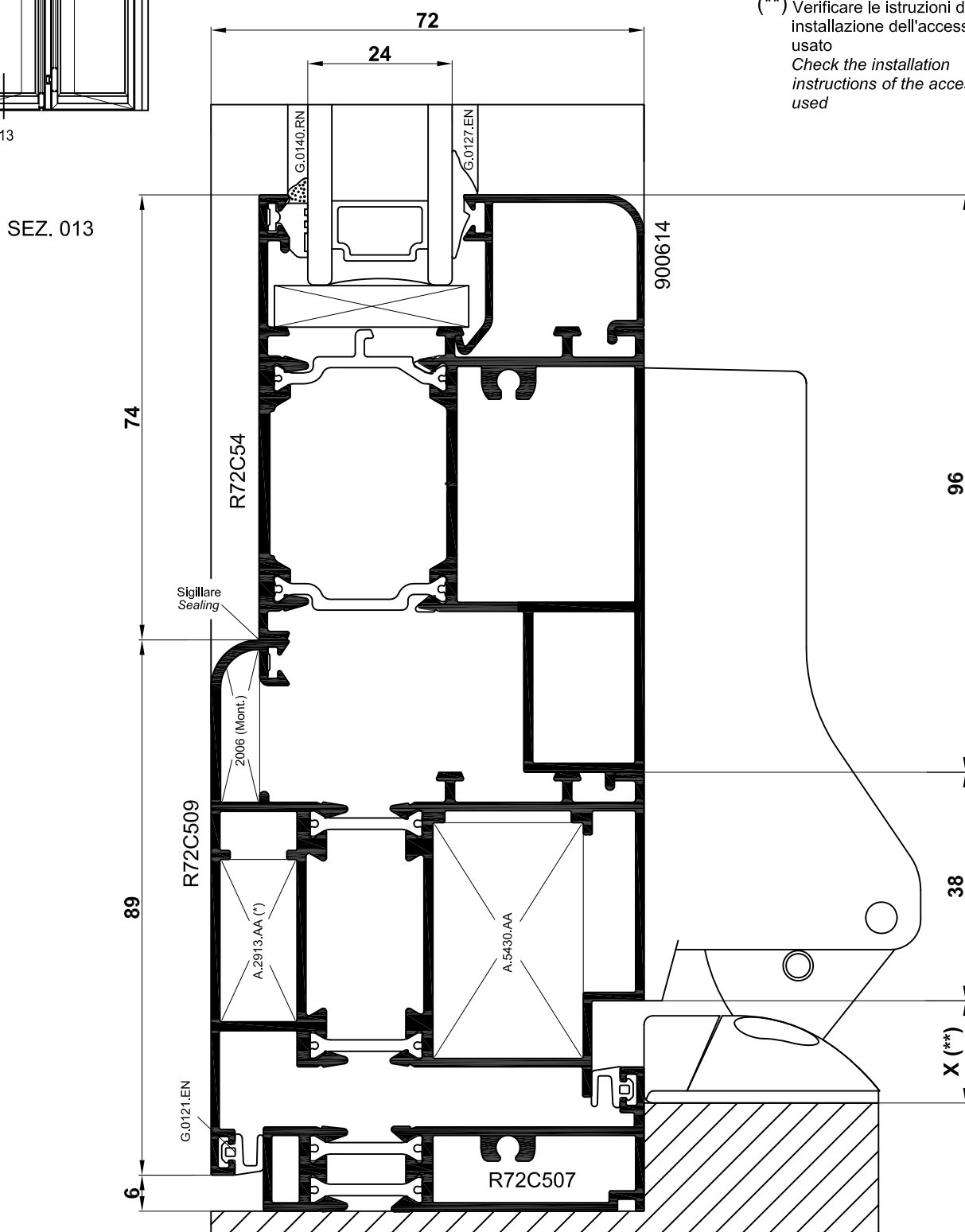


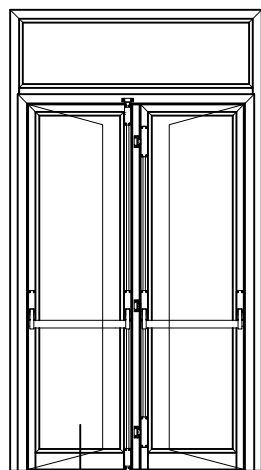


013

(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.00
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.00

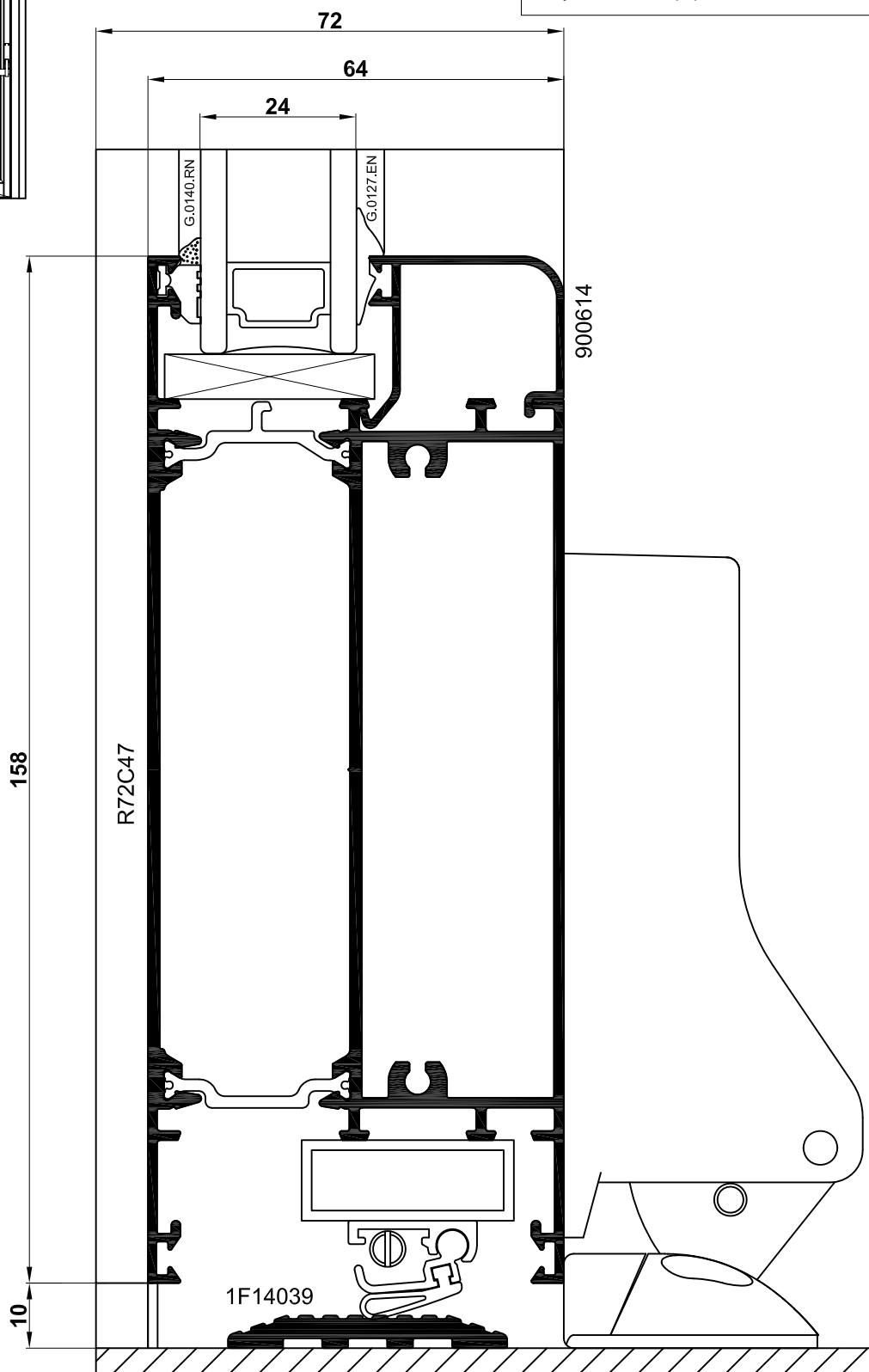
(**) Verificare le istruzioni di installazione dell'accessorio usato
Check the installation instructions of the accessory used



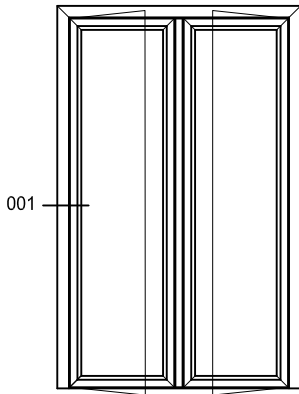


014

SEZ. 014

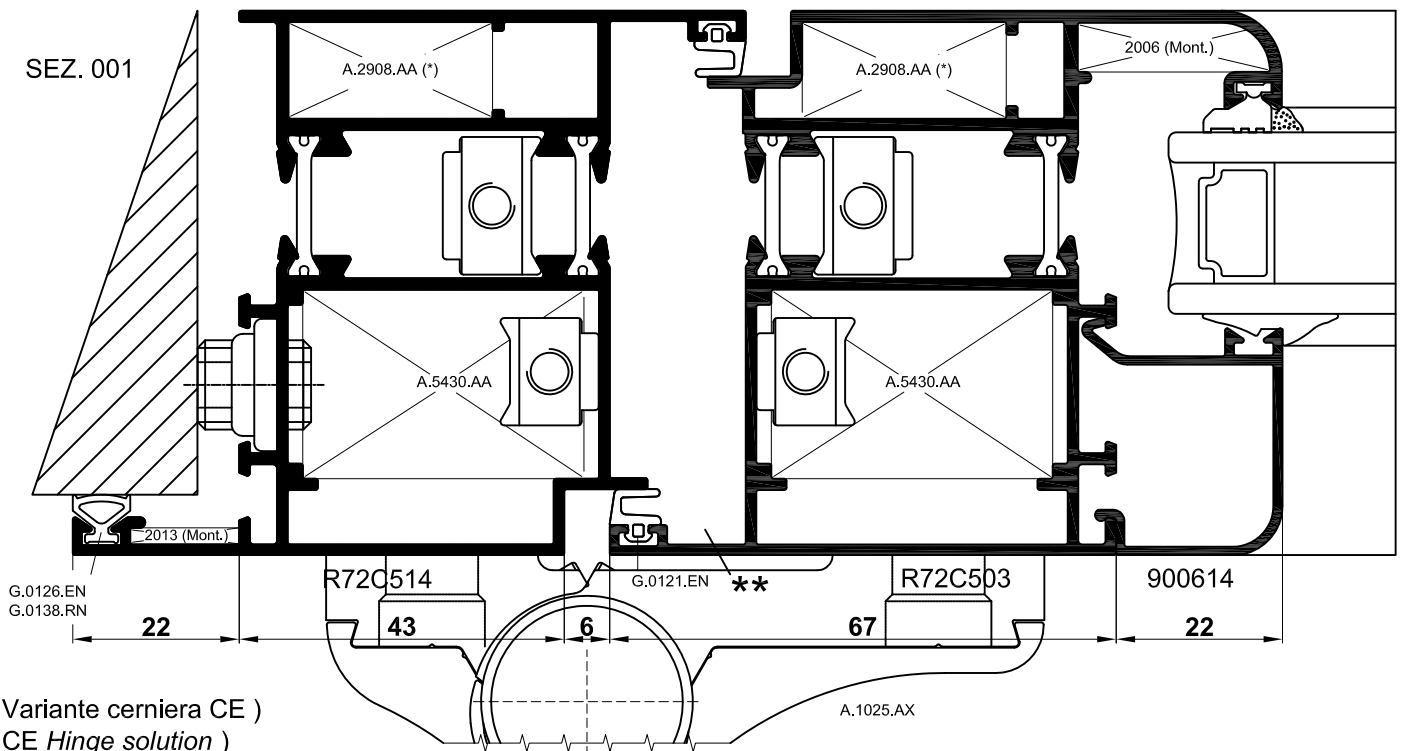
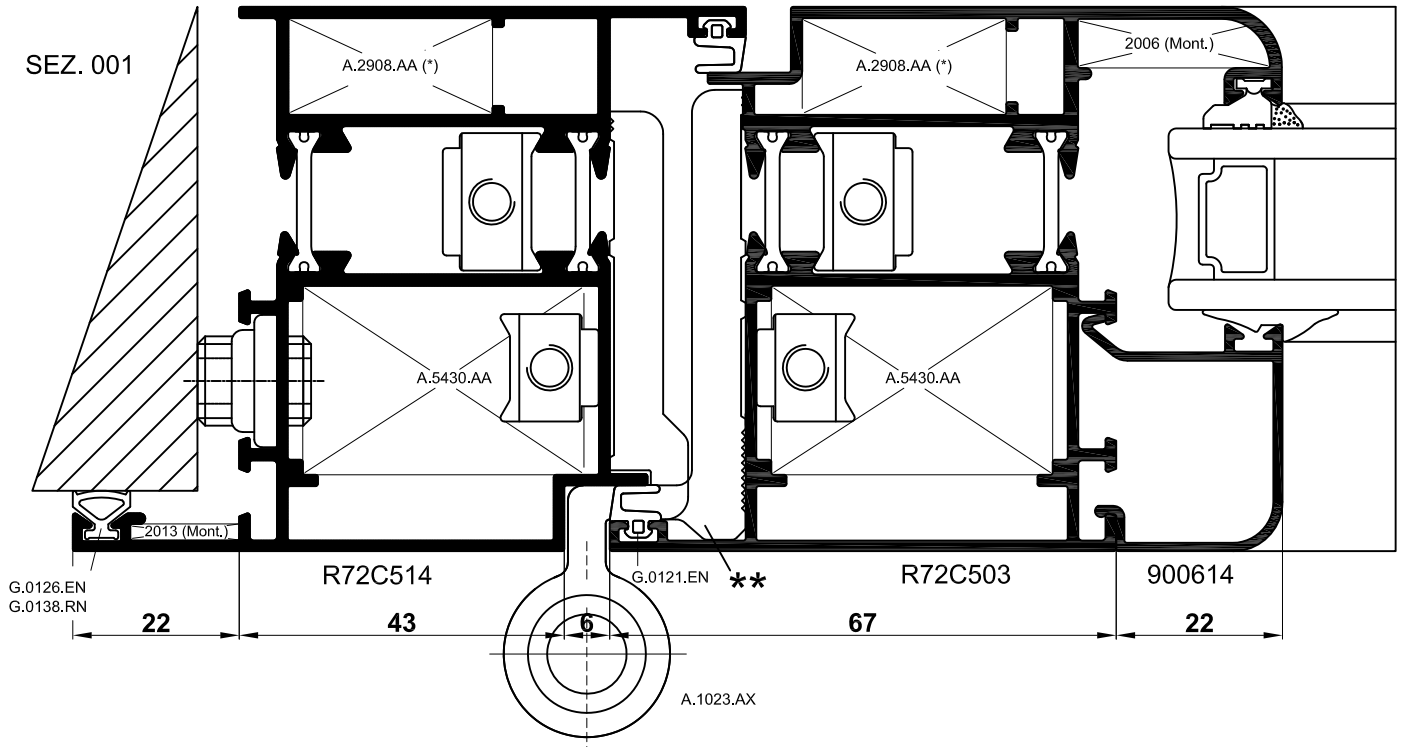


(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.00
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.00

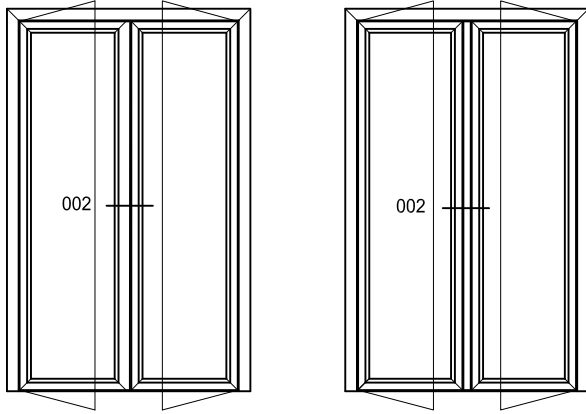


(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO

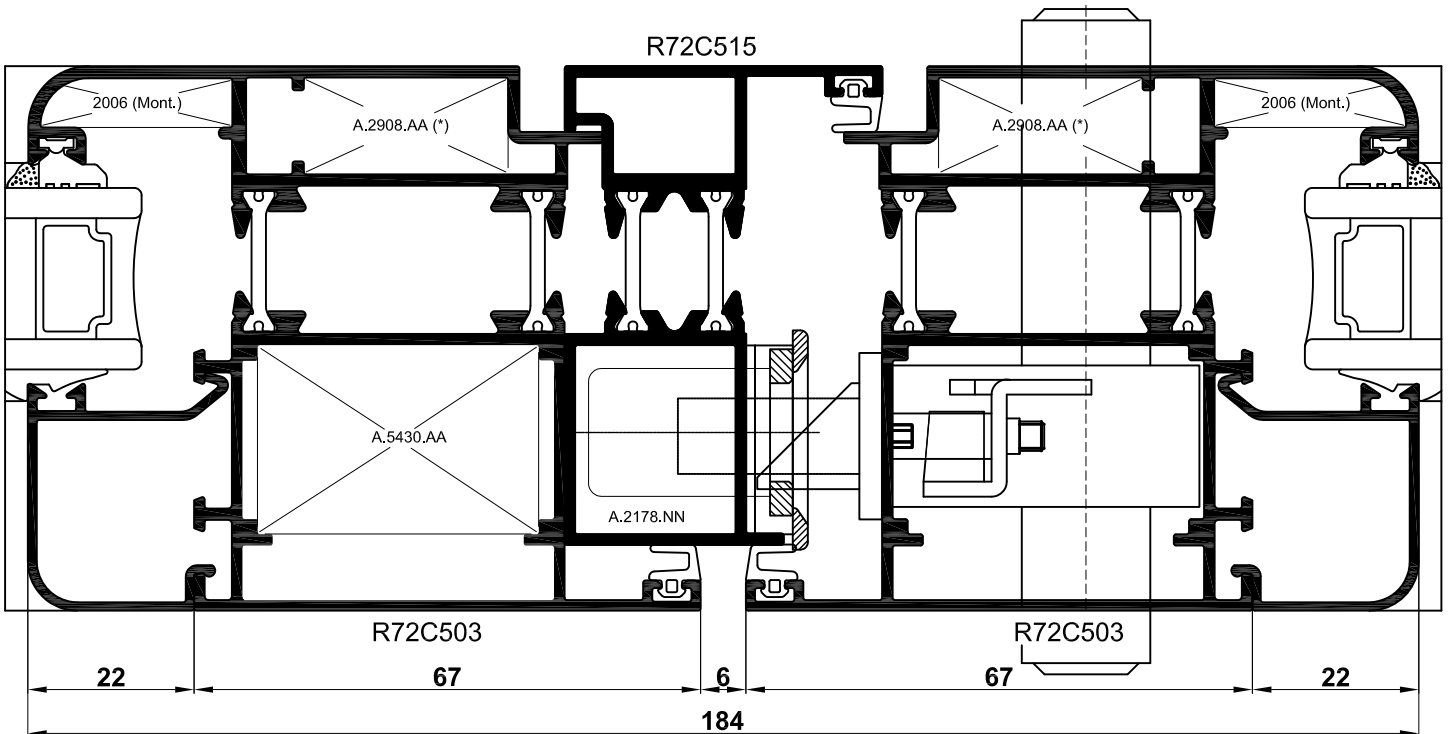
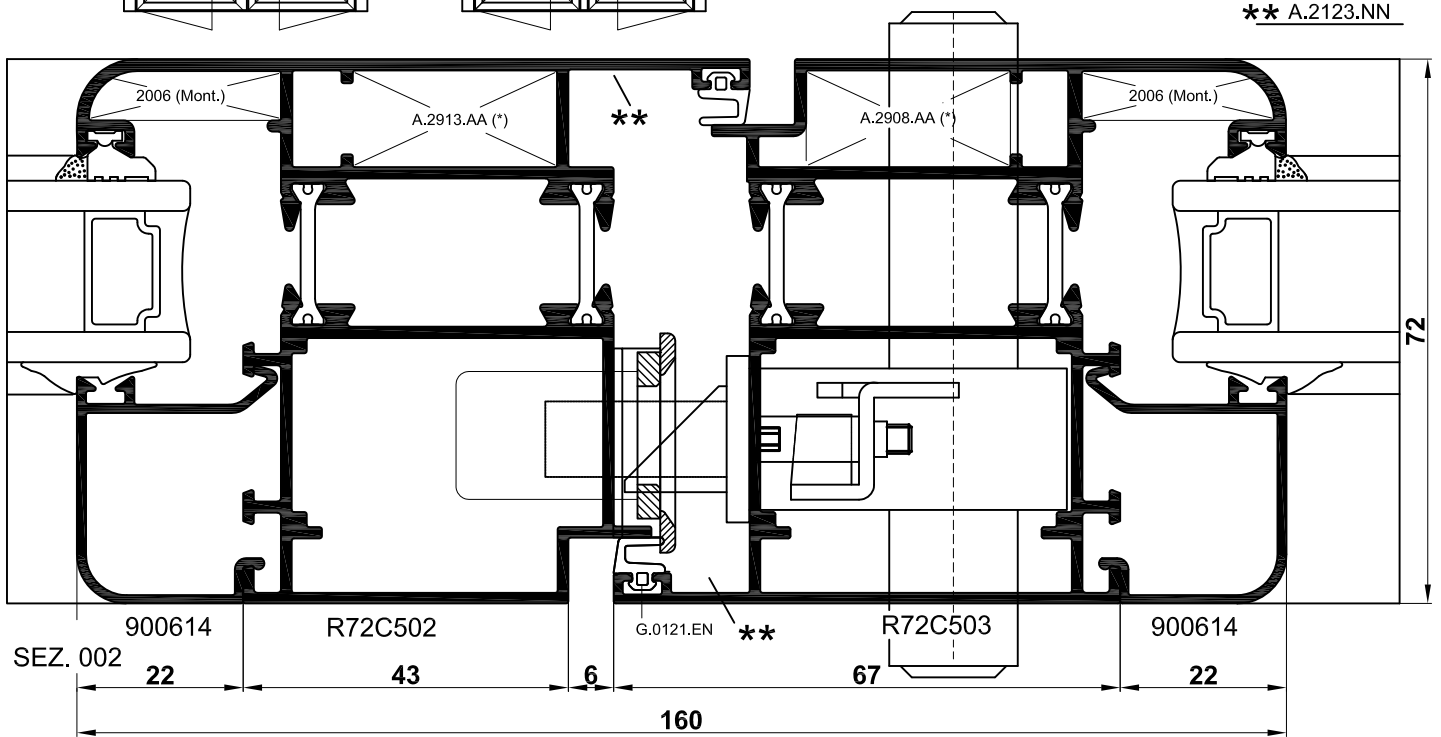
** A.2123.NN



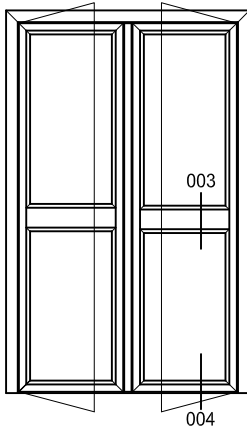
(Variante cerniera CE)
 (CE Hinge solution)



(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO



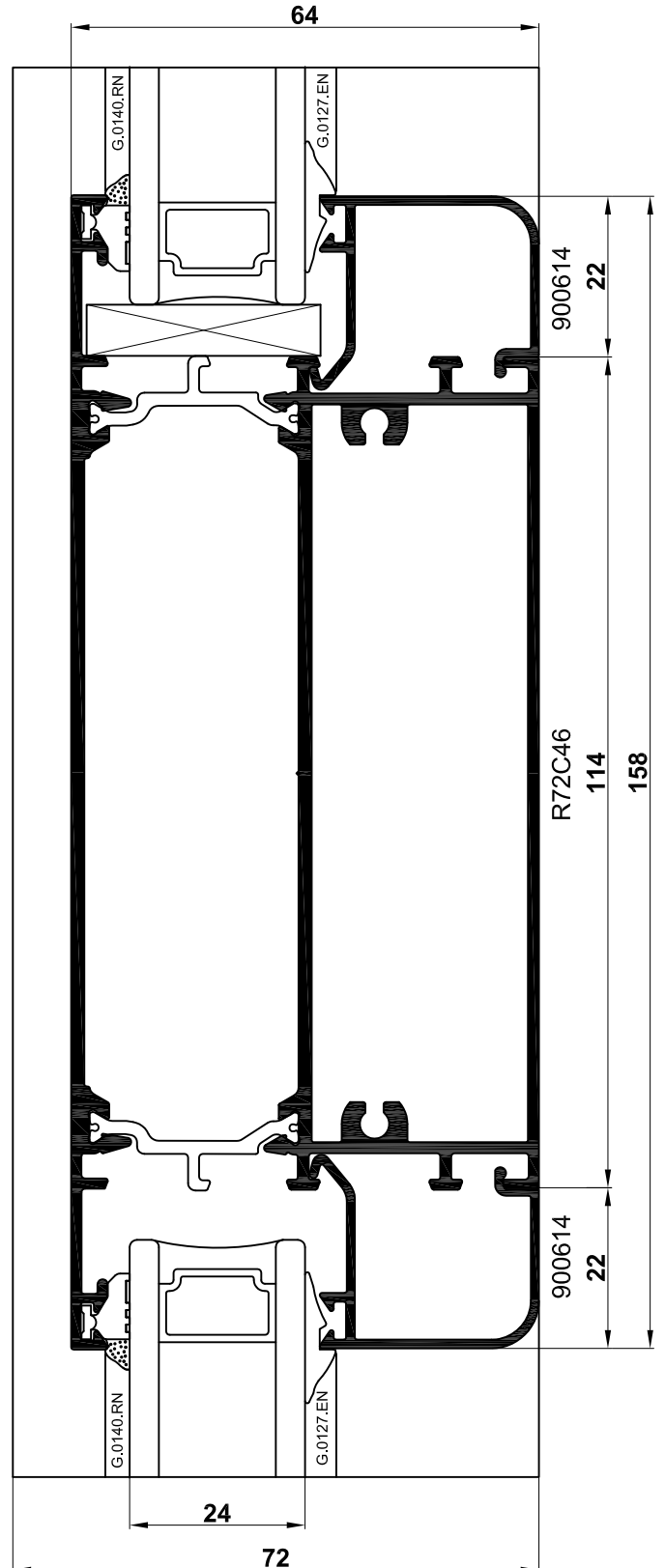
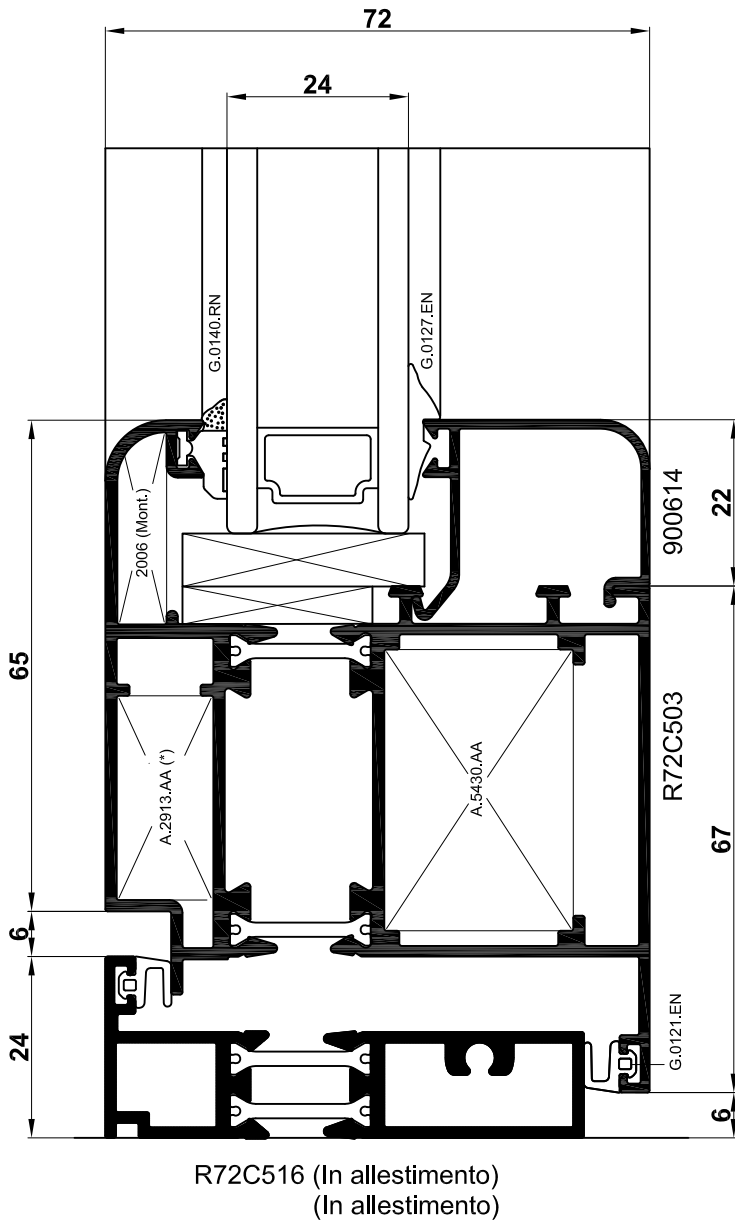
SEZ. 002 (Variante con riporto centrale)
 (Central filling profile solution)



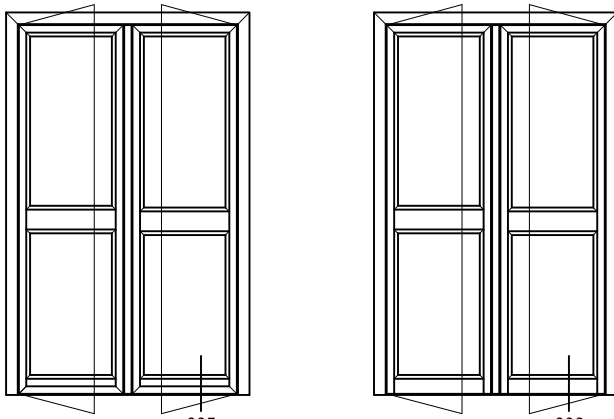
SEZ. 003

(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.00
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.00

SEZ. 004



SEZIONI - PORTA A DUE ANTE APERTURA INTERNA
SECTIONS - TWO-WINGS INWARD OPENING DOOR



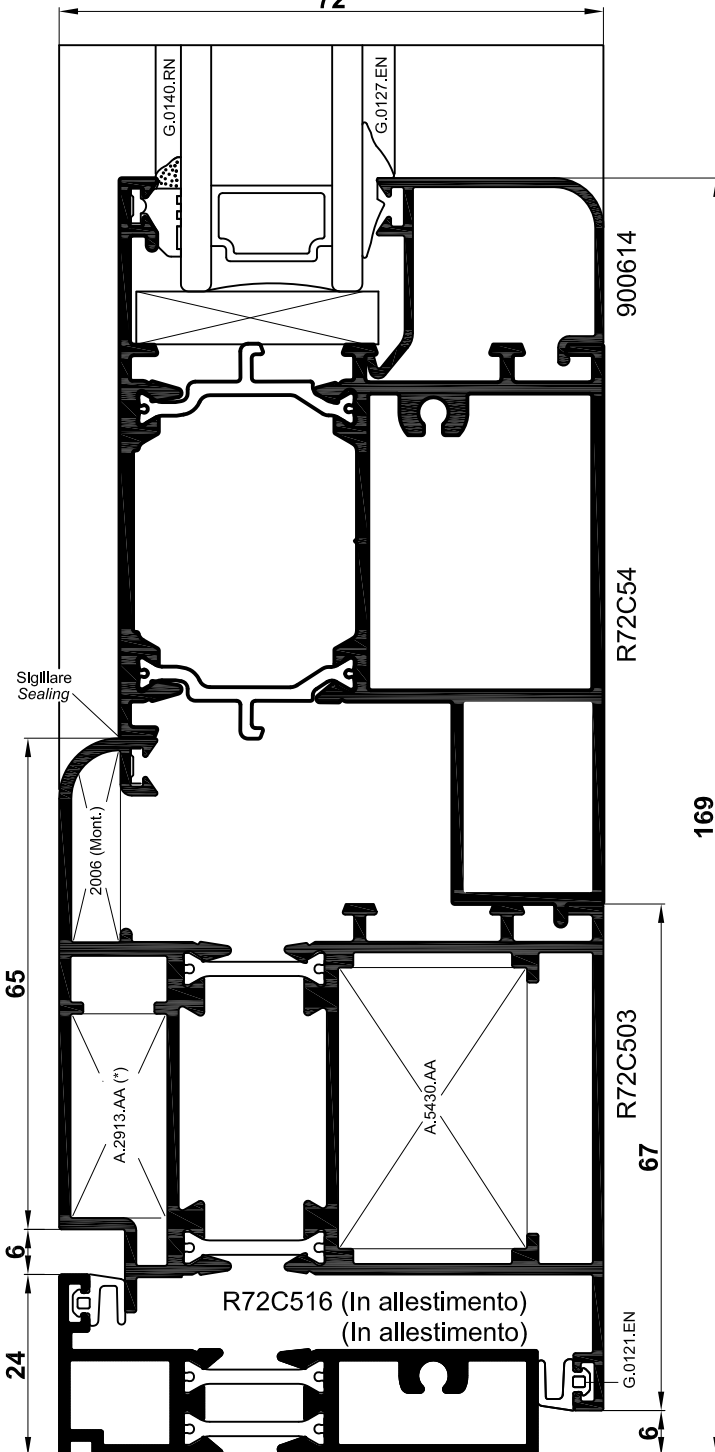
(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.00
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.00

SEZ. 005

72

005

006

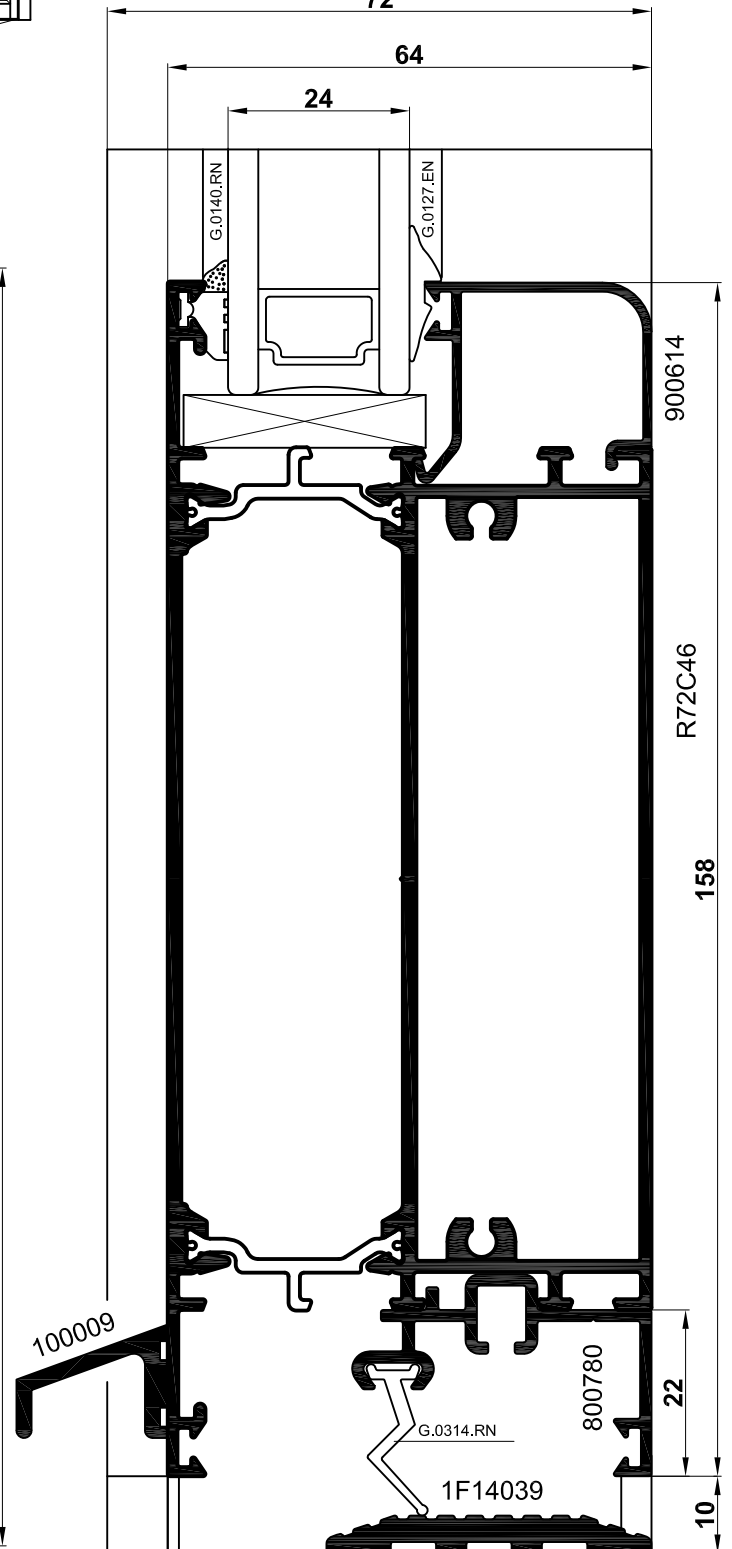


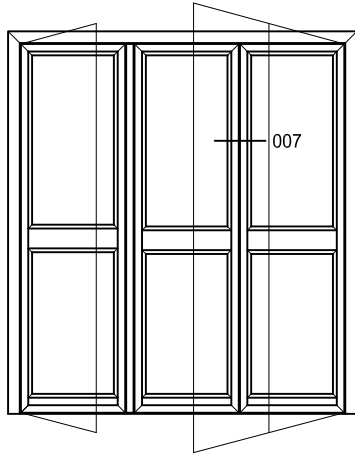
SEZ. 006

72

64

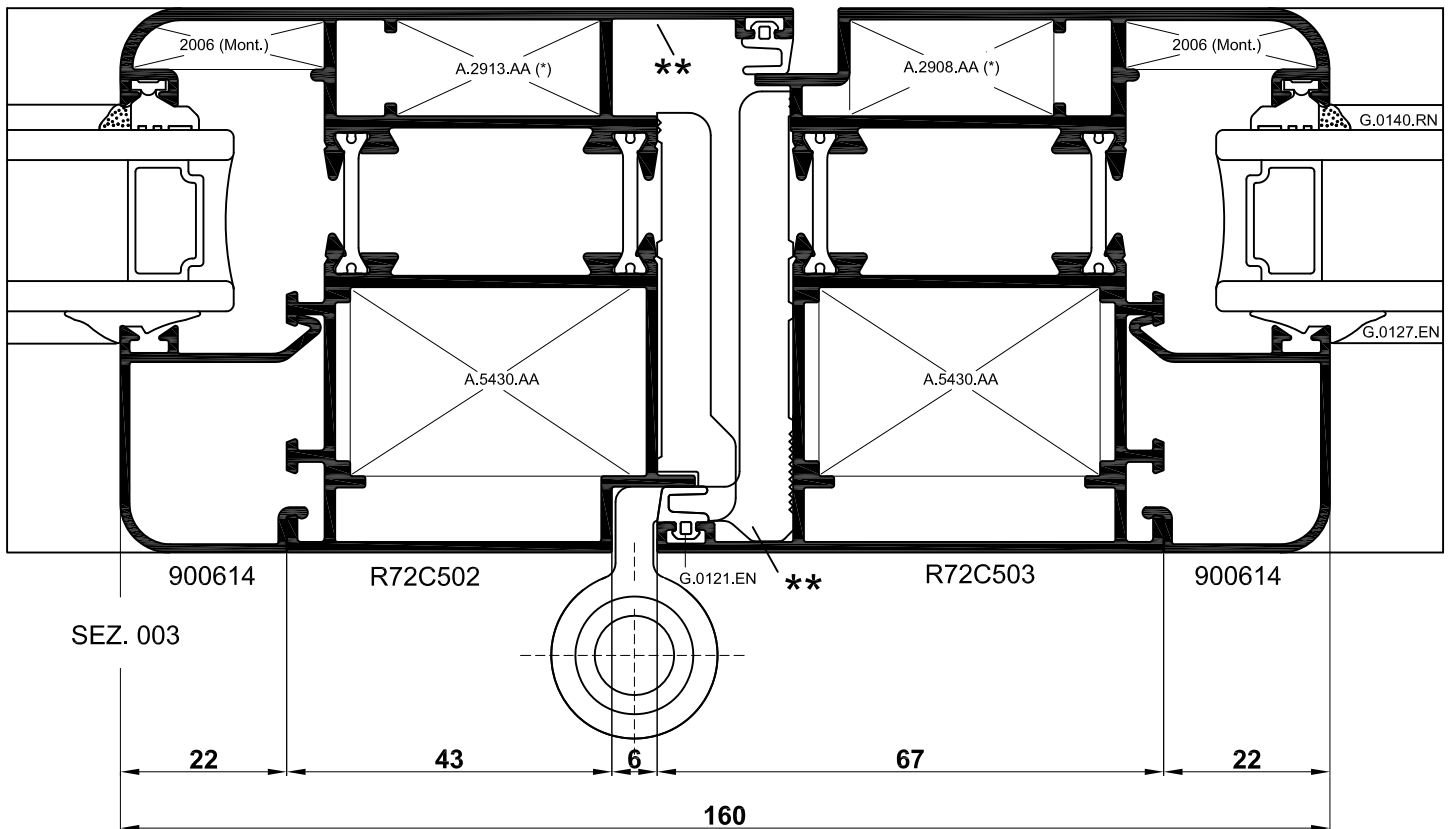
24





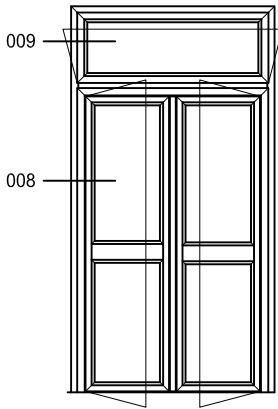
(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO

** A.2123.NN



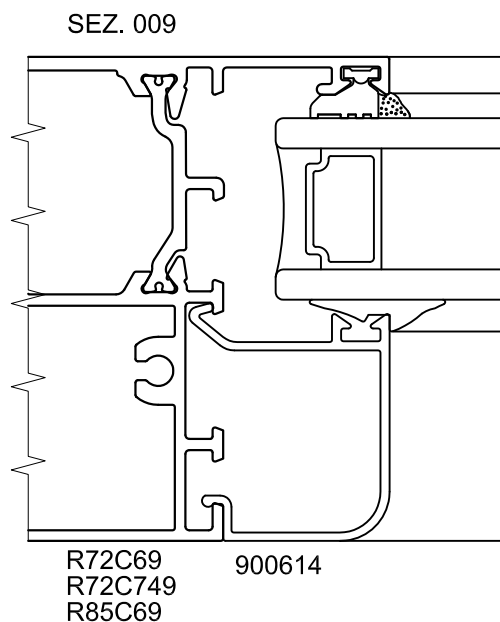
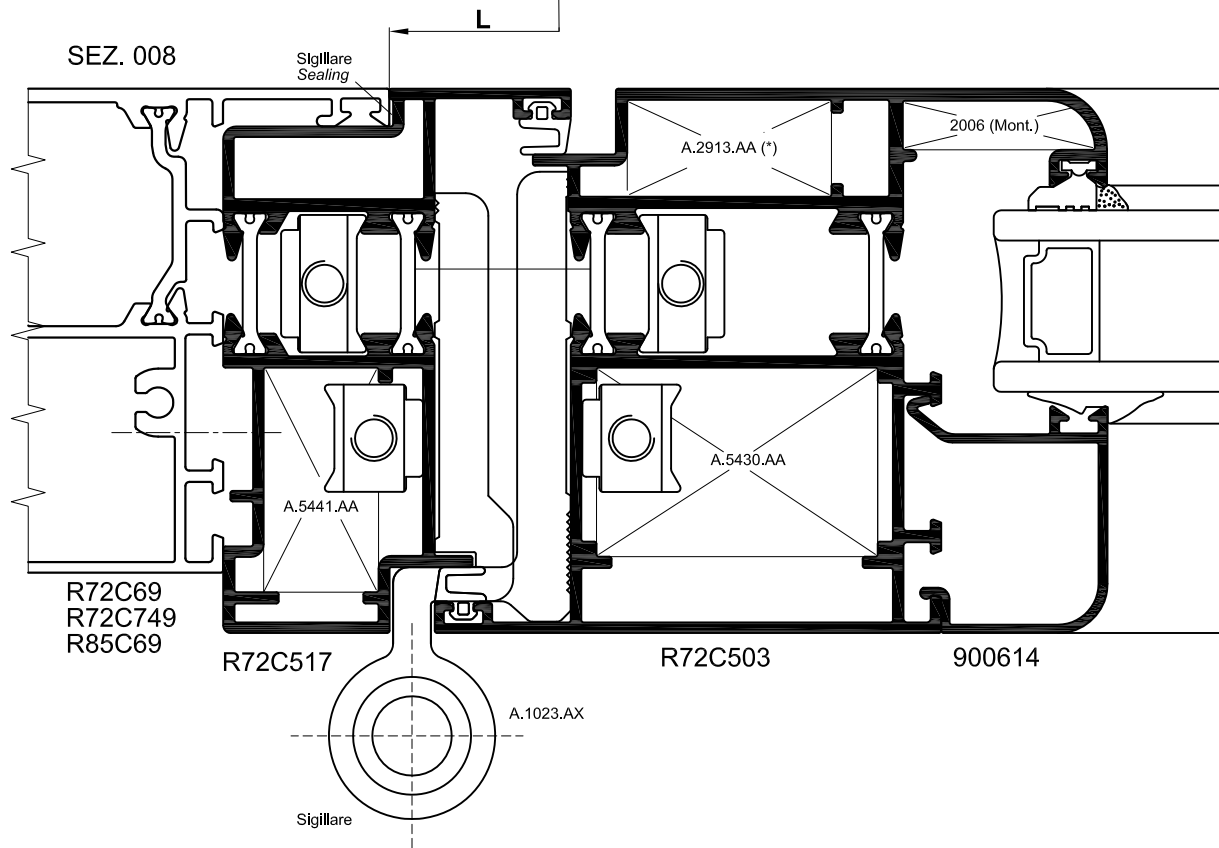
SEZ. 007

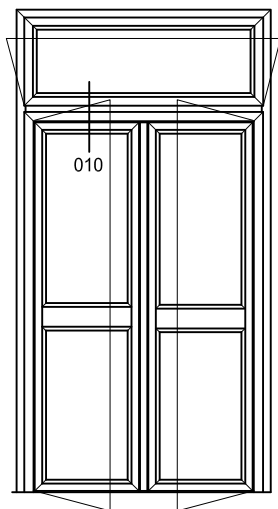
Per la chiusura dell'anta usare il kit catenaccio art. A.4303.BN posizionando le cerniere, superiore ed inferiore, oltre il catenaccio.
 For the closing of the door, use the kit latch code. A.4303.BN placing the hinges, top and bottom, over the latch



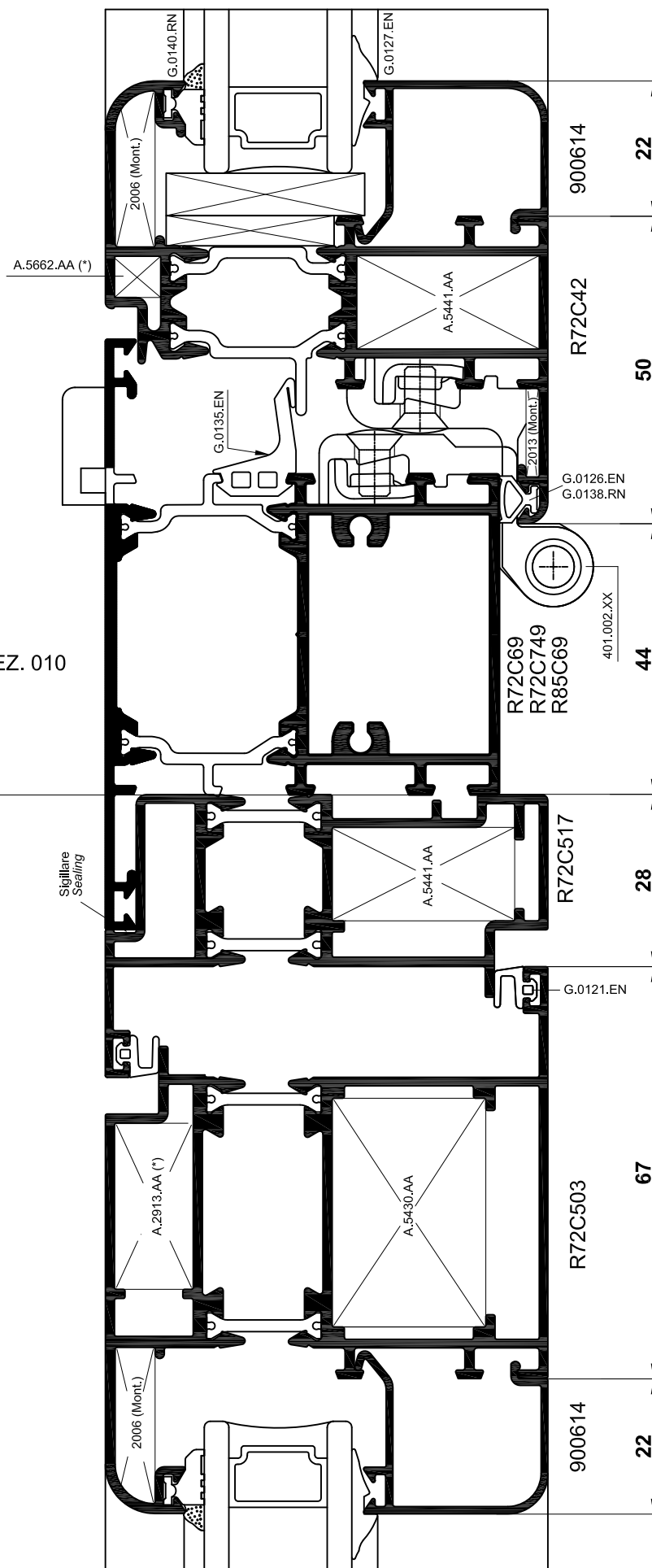
Per una corretta distinta di taglio del profilato di riporto R72C504 ed il conseguente inserimento del profilato all'interno del telaio fisso, si consiglia di misurare la luce netta interna (L), non tenendo conto delle quote teoriche.
 For a correct cutting list of the central profile R72C504 and the consequent insertion of the fix frame, we suggest to measure the internal distance, not considering the theoretical dimension indications.

(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.00
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.00





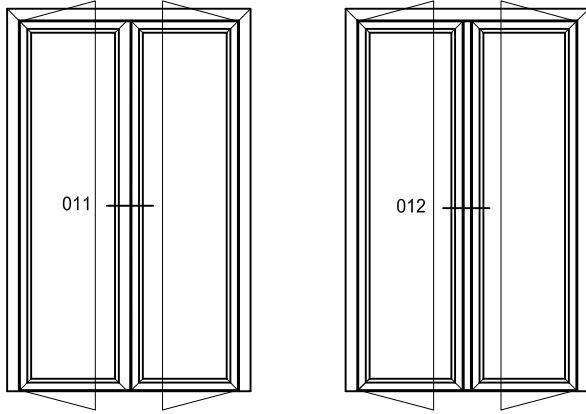
SEZ. 010



Per una corretta distinta di taglio del profilato di riporto R72C504 ed il conseguente inserimento del profilato all'interno del telaio fisso, si consiglia di misurare la luce netta interna (H), non tenendo conto delle quote teoriche.

For a correct cutting list of the central profile R72C504 and the consequent insertion of the fix frame, we suggest to measure the internal distance, not considering the theoretical dimension indications.

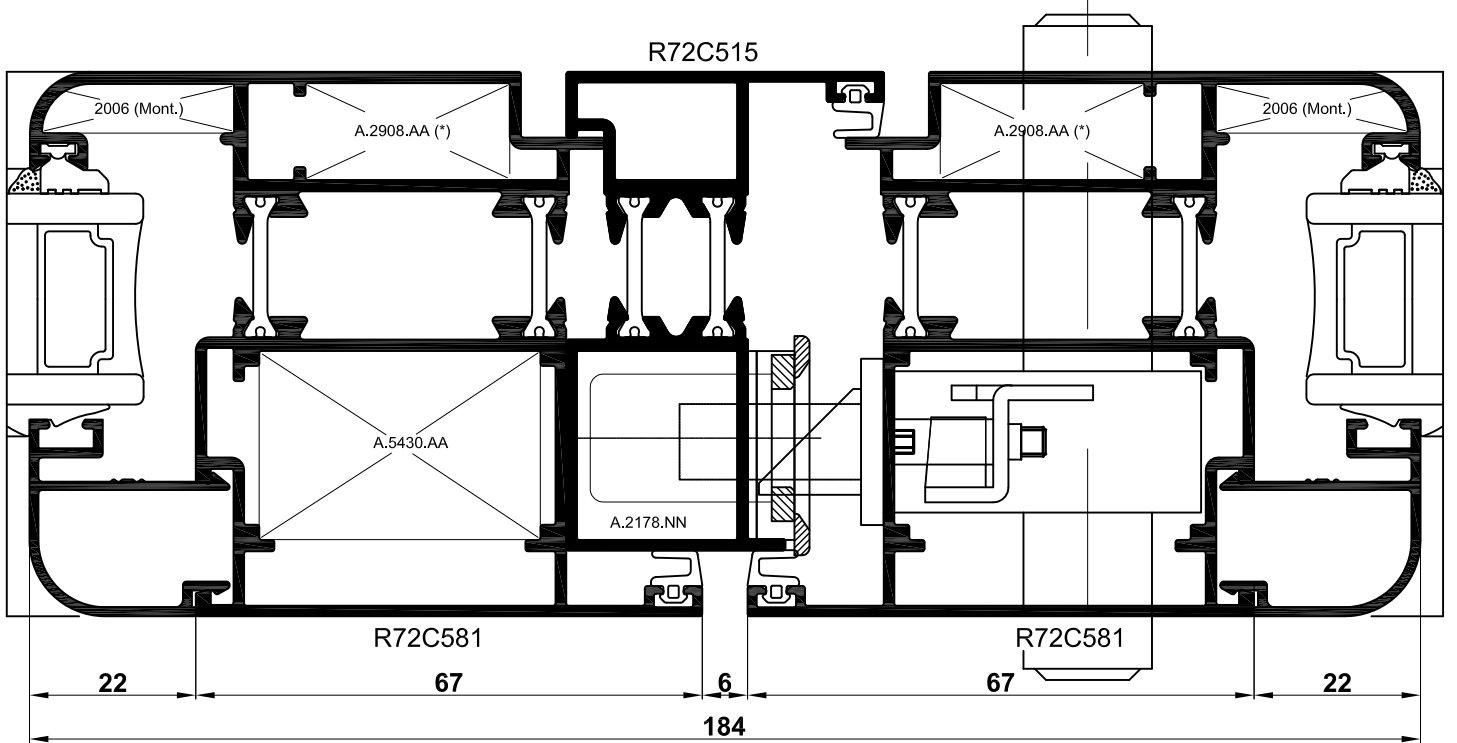
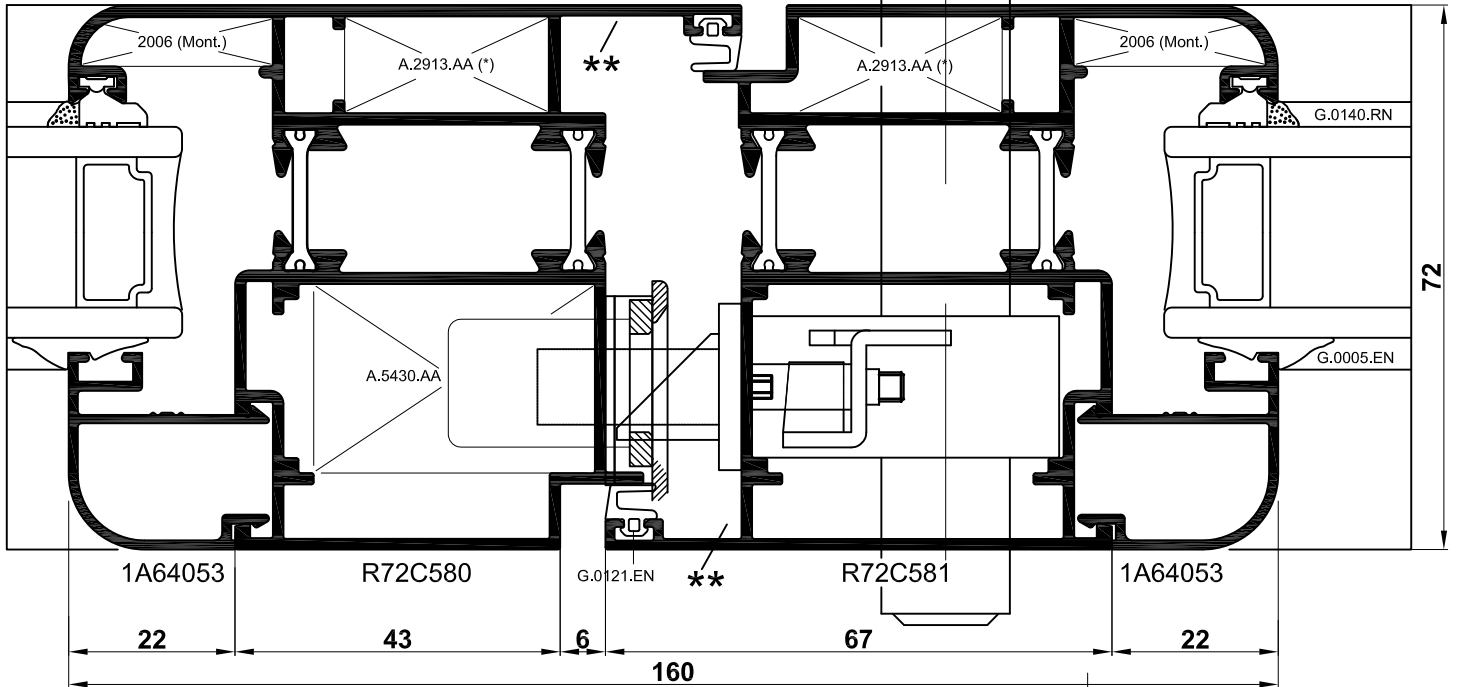
(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO



(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO

SEZ. 011

** A.2123.NN



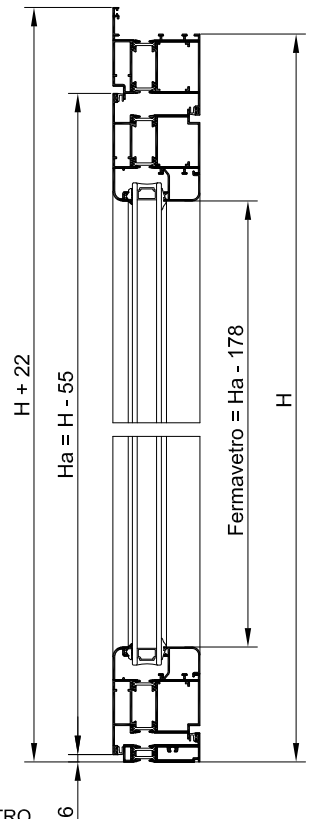
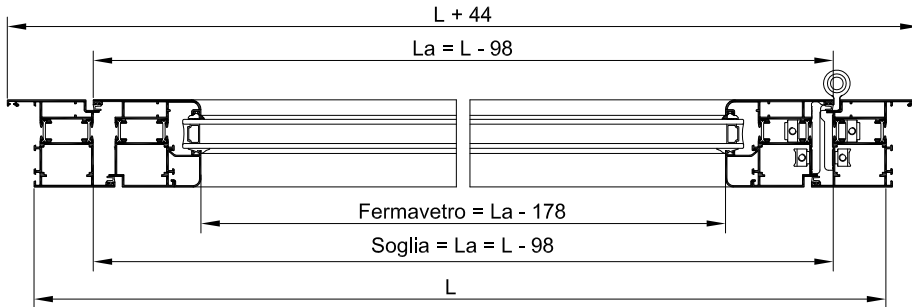
SEZ. 012 (Variante con riporto centrale)
 (Central filling profile solution)

PORTA 1 ANTA
ONE-WING DOOR



N.B.: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche. Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli. Sapa declina ogni responsabilità per errori dovuti al mancato controllo da parte del costruttore.

N.B.: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values. It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting. Sapa declines any responsibility from errors caused from the missing dimensional check of the carpenter



PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 22	1	L + 44
	2	Ha = H - 55	2	La = L - 98
			1	L - 98
	2	Ha - 178	2	La - 178

DIMENSIONI VETRO
GLASS SIZE

N. 1 PEZZO N.B.: Spessore vetro considerato 24 mm (6+12+6)
Glaco perimetrale tra profilato e vetro 5 mm
For glass with 24 mm thickness
Space between glass and profile 5 mm

Ha - 144
La - 144

Per porte vie di esodo, utilizzare cerniera A.1025.AX al posto della A.1023.AX
For doors on escape routes, please use hinge A.1025.AX instead of A.1023.AX

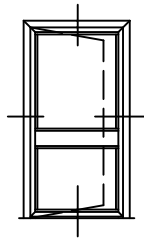
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.5430.AA	Squadretta per giunzione d'angolo Corner joint	6	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8			
A.2913.AA	Squadretta su prof. est. R72TT External corner joint	6	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	8			
2013(Mont)	Squadretta di allineamento "FUJI" Alignment corner joint for rabbet "FUJI"	2	A.0202.BA	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	4			
2006(Mont)	Squadretta di allin. prof. compl. "FUJI" Alignment corner joint for coplanar profiles "FUJI"	4	Comm.	Tassello spessoramento vetri Shim for glasses	3			
A.1023.AX	Cerniera R72TT Hinge R72TT	3						
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	8						

GUARNIZIONI
WEATHERSTRIPS

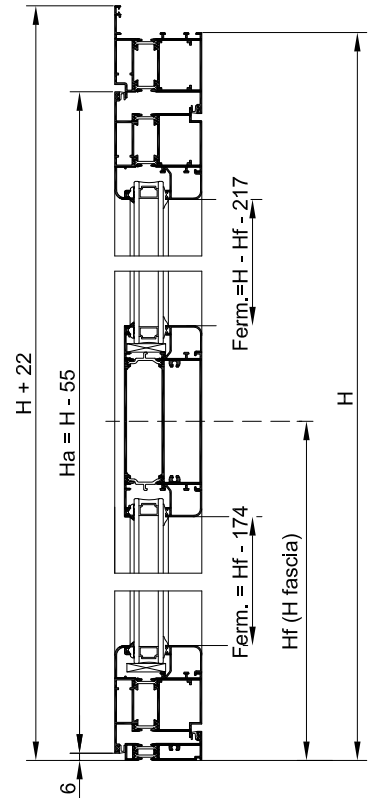
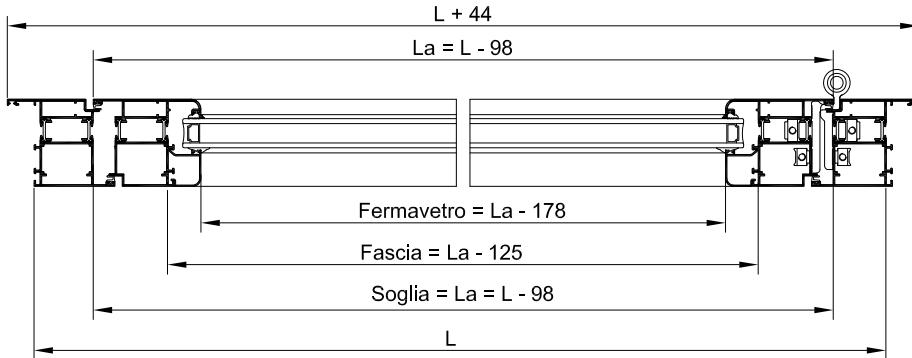
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0121.EN	Guarnizione di battuta Weatherstrip of rabbet	4H 4L	G.0139.RN	Guarnizione esterna appoggio vetri 1,5 mm Weatherstrip on glass support mm 1.5	2H 2L			
G.0129.EN	Guarnizione interna tenuta vetro 5-6 mm Weatherstrip on glazing bead shim mm 5-6	2H 2L						

PORTA 1 ANTA
Soluzione con fascia
ONE-WING DOOR
Band solution



N.B: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli.
Sapa declina ogni responsabilità per errori dovuti al mancato controllo da parte del costruttore.

N.B: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values.
It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting.
Sapa declines any responsibility from errors caused from the missing dimensional check of the carpenter



PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 22	1	L + 44
	2	Ha = H - 55	2	La = L - 98
			2	La - 125
			1	L - 98
	2	Hf - 174	4	La - 178
	2	H - Hf - 217		

DIMENSIONI VETRO
GLASS SIZE

N. 1 PEZZO N.B.: Spessore vetro considerato 24 mm (6+12+6)
Hf - 140 Glaco perimetrale tra
La - 144 profilato e vetro 5 mm
N. 1 PEZZO For glass with 24 mm thickness
H - Hf - 183 Space between glass
La - 144 and profile 5 mm

Per porte vie di esodo, utilizzare cerniera A.1025.AX al posto della A.1023.AX
For doors on escape routes, please use hinge A.1025.AX instead of A.1023.AX

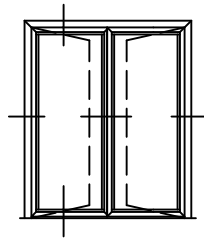
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.5430.AA	Squadretta per giunzione d'angolo Corner joint	6	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8			
A.2913.AA	Squadretta su prof. est. R72TT External corner joint	6	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	8			
2013(Mont)	Squadretta di allineamento "FUJI" Alignment corner joint for rabbet "FUJI"	2	A.0202.BA	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	8			
2006(Mont)	Squadretta di allin. prof. compl. "FUJI" Alignment corner joint for coplanar profiles "FUJI"	4	Comm.	Tassello spessoramento vetri Shim for glasses	3			
A.1023.AX	Cerniera R72TT Hinge R72TT	3						
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	8						

GUARNIZIONI
WEATHERSTRIPS

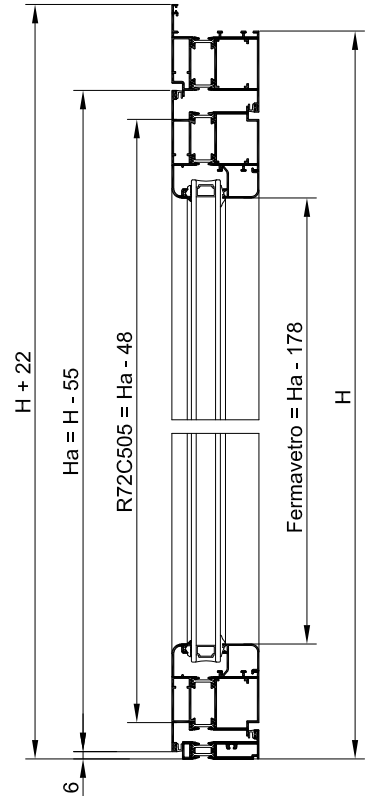
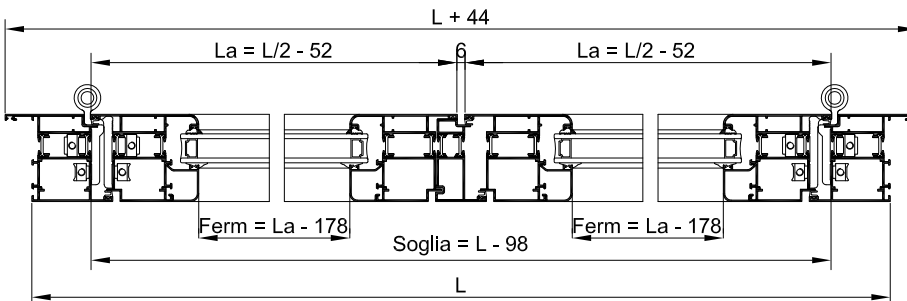
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0121.EN	Guarnizione di battuta Weatherstrip of rabbet	4H 4L	G.0139.RN	Guarnizione esterna appoggio vetri 1,5 mm Weatherstrip on glass support mm 1.5	2H 4L			
G.0129.EN	Guarnizione interna tenuta vetro 5-6 mm Weatherstrip on glazing bead shim mm 5-6	2H 4L						

PORTA 2 ANTE
Soluzione con riporto centrale
TWO-WINGS DOOR
Central rabbet solution



N.B.: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli.
Sapa declina ogni responsabilità per errori dovuti al mancato controllo da parte del costruttore.

N.B.: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values.
It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting.
Sapa declines any responsibility from errors caused from the missing dimensional check of the carpenter



PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 22	1	L + 44
	4	Ha = H - 55	4	La = L/2 - 52
	1	Ha - 48		
			1	L = L - 98
	4	Ha - 178	4	La - 178

DIMENSIONI VETRO
GLASS SIZE

N. 2 PEZZI	N.B.: Spessore vetro considerato 24 mm (6+12+6) Gioco perimetrale tra profilato e vetro 5 mm For glass with 24 mm thickness Space between glass and profile 5 mm
Ha - 144	
La - 144	

* IN FUNZIONE DELLA SERRATURA UTILIZZARE KIT-CATENACCIO A.4302.BN O A.4305.BN (VEDI PAGINA F9-P72TT-A9)

* KIT-LATCH TO BE ESTABLISHED ACCORDING TO THE LOCK A.4302.BN OR A.4305.BN (SEE PAGE F9-P72TT-A9)

Per porte vie di esodo, utilizzare cerniera A.1025.AX al posto della A.1023.AX
For doors on escape routes, please use hinge A.1025.AX instead of A.1023.AX

ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.5430.AA	Squadretta per giunzione d'angolo Corner joint	10	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8	Comm.	Tassello spessoramento vetri Shim for glasses	6
A.2913.AA	Squadretta su prof. est. R72TT External corner joint	10	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	8			
2013(Mont)	Squadretta di allineamento "FUJI" Alignment corner joint for rabbet "FUJI"	2	*	Kit catenaccio per porta Kit level latch for door	2			
2006(Mont)	Squadretta di allin. prof. compl. "FUJI" Alignment corner joint for coplanar profiles "FUJI"	8	A.4303.NN	Boccola di riscontro Bush feedback	2			
A.1023.AX	Cerniera R72TT Hinge R72TT	6	A.2125.NN	Coppia tappi per riporto centrale R72C505 Pair of plugs for central rabbet on profile R72C505	1			
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	8	A.0202.BA	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	8			

GUARNIZIONI
WEATHERSTRIPS

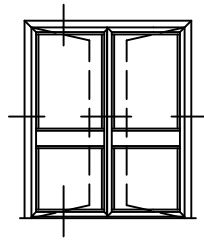
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0121.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 4L	G.0139.RN	Guarnizione esterna appoggio vetri 1,5 mm Weatherstrip on glass support mm 1.5	4H 2L			
G.0129.EN	Guarnizione interna tenuta vetro 5-6 mm Weatherstrip on glazing bead shim mm 5-6	4H 2L						

PORTA 2 ANTE

Soluzione con riporto centrale e fascia

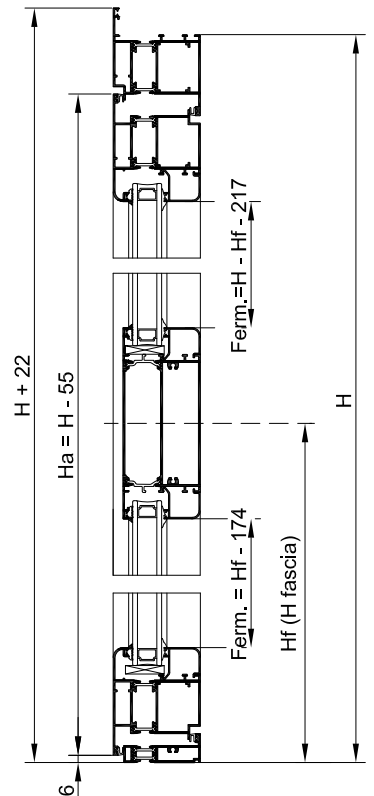
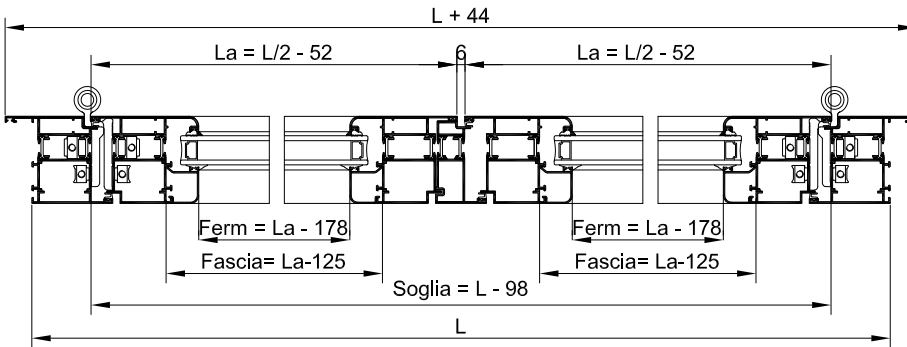
TWO-WINGS DOOR

Central rabbet solution and band



N.B.: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli.
Sapa declina ogni responsabilità per errori dovuti al mancato controllo da parte del costruttore.

N.B.: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values.
It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting.
Sapa declines any responsibility from errors caused from the missing dimensional check of the carpenter



PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 22	1	L + 44
	4	Ha = H - 55	4	La = L/2 - 52
	1	Ha - 48		
			2	La - 125
			1	L - 98
	4	Hf - 174	8	La - 178
	4	H - Hf - 217		

DIMENSIONI VETRO
GLASS SIZE

N. 2 PEZZI	N.B.: Spessore vetro considerato 24 mm (6+12+6)
Hf - 140	Glolo perimetrale tra profilato e vetro 5 mm
La - 144	For glass with 24 mm thickness
N. 2 PEZZI	Space between glass and profile 5 mm
H - Hf - 183	
La - 144	

Per porte vie di esodo, utilizzare cerniera A.1025.AX al posto della A.1023.AX

For doors on escape routes, please use hinge A.1025.AX instead of A.1023.AX

ACCESSORI
ACCESSORIES

* IN FUNZIONE DELLA SERRATURA UTILIZZARE KIT-CATENACCIO A.4302.BN O A.4305.BN (VEDI PAGINA F9-P72TT-A9)

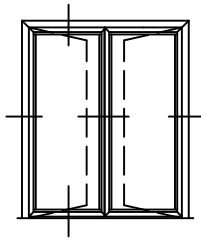
* KIT-LATCH TO BE ESTABLISHED ACCORDING TO THE LOCK A.4302.BN OR A.4305.BN (SEE PAGE F9-P72TT-A9)

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.5430.AA	Squadretta per giunzione d'angolo Corner joint	10	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8	Comm.	Tassello spessoramento vetri Shim for glasses	12
A.2913.AA	Squadretta su prof. est. R72TT External corner joint	10	510.491.55	Tappo rotondo copriforo diametro 12 mm Kit level latch for door	8			
2013(Mont)	Squadretta di allineamento "FUJI" Alignment corner joint for rabbet "FUJI"	2	*	Kit catenaccio per porta Bush feedback	2			
2006(Mont)	Squadretta di allin. prof. compl. "FUJI" Alignment corner joint for coplanar profiles "FUJI"	8	A.4303.NN	Boccola di riscontro Circular coverhole plug dia. mm 12	2			
A.1023.AX	Cerniera R72TT Hinge R72TT	6	A.2125.NN	Coppia tappi per riporto centrale R72C505 Pair of plugs for central rabbet on profile R72C505	1			
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	8	A.0202.BA	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	16			

GUARNIZIONI
WEATHERSTRIPS

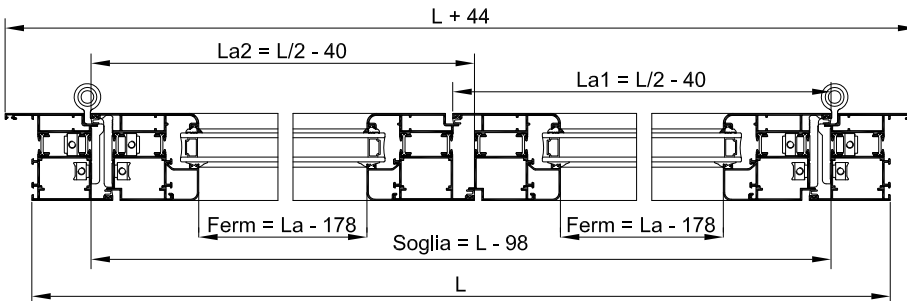
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0121.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 4L	G.0139.RN	Guarnizione esterna appoggio vetri 1,5 mm Weatherstrip on glass support mm 1,5	4H 4L			
G.0129.EN	Guarnizione interna tenuta vetro 5-6 mm Weatherstrip on glazing bead shim mm 5-6	4H 4L						

PORTA 2 ANTE
Soluzione centrale "Z + T"
TWO-WINGS DOOR
"Z + T" central solution



N.B.: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli.
Sapa declina ogni responsabilità per errori dovuti al mancato controllo da parte del costruttore.

N.B.: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values.
It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting.
Sapa declines any responsibility from errors caused from the missing dimensional check of the carpenter



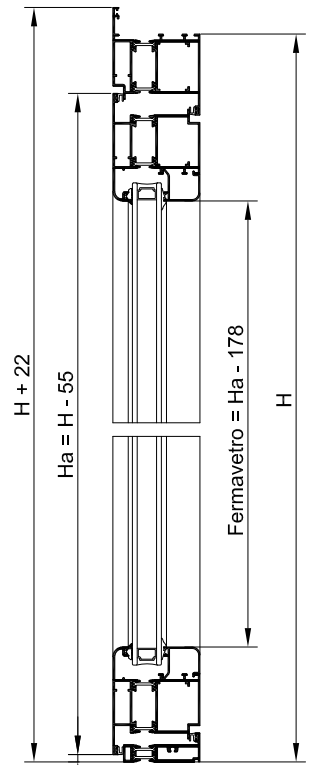
PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 22	1	L + 44
	3	Ha = H - 55	4	La = L/2 - 40
	1	Ha = H - 56		
			1	L = L - 98
	4	Ha - 178	4	La - 178

* IN FUNZIONE DELLA SERRATURA UTILIZZARE KIT-CATENACCIO
A.4302.BN O A.4305.BN (VEDI PAGINA F9-P72TT-A9)

* KIT-LATCH TO BE ESTABLISHED ACCORDING TO THE LOCK
A.4302.BN OR A.4305.BN (SEE PAGE F9-P72TT-A9)

Per porte vie di esodo, utilizzare cerniera A.1025.AX al posto della A.1023.AX
For doors on escape routes, please use hinge A.1025.AX instead of A.1023.AX



DIMENSIONI VETRO
GLASS SIZE

N. 2 PEZZI

Ha - 144
La - 144

N.B.: Spessore vetro considerato
24 mm (6+12+6)
Gioco perimetrale tra
profilato e vetro 5 mm
For glass with 24 mm thickness
Space between glass
and profile 5 mm

ACCESSORI
ACCESSORIES

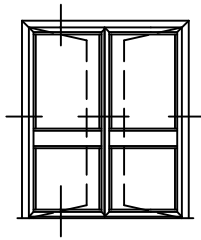
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.5430.AA	Squadretta per giunzione d'angolo Corner joint	10	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8	Comm.	Tassello spessoramento vetri Shim for glasses	6
A.2913.AA	Squadretta su prof. est. R72TT External corner joint	10	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	8			
2013(Mont)	Squadretta di allineamento "FUJI" Alignment corner joint for rabbet "FUJI"	2	A.0202.BA	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	8			
2006(Mont)	Squadretta di allin. Prof. Compl. "FUJI" Alignment corner joint for coplanar profiles "FUJI"	8	*	Kit catenaccio per porta Kit level latch for door	2			
A.1023.AX	Cerniera R72TT Hinge R72TT	6	A.4303.NN	Boccola di riscontro Bush feedback	2			
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	8	A.2123.NN	Coppia tappi copritaglio centrale Pair of plugs for central rabbet	2			

GUARNIZIONI
WEATHERSTRIPS

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0121.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 4L	G.0139.RN	Guarnizione esterna appoggio vetri 1,5 mm Weatherstrip on glass support mm 1.5	4H 2L			
G.0129.EN	Guarnizione interna tenuta vetro 5-6 mm Weatherstrip on glazing bead shim mm 5-6	4H 2L						

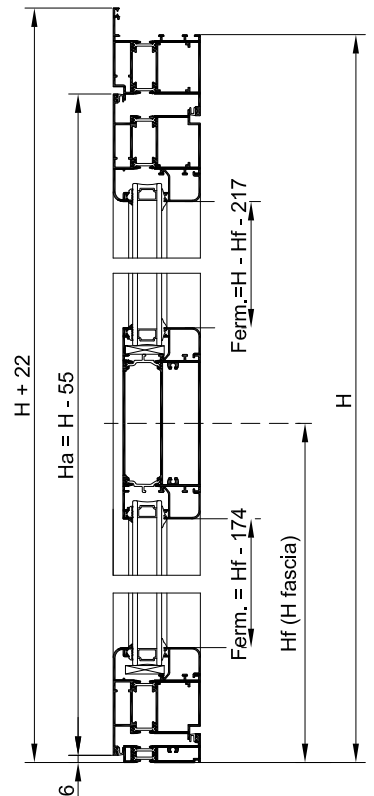
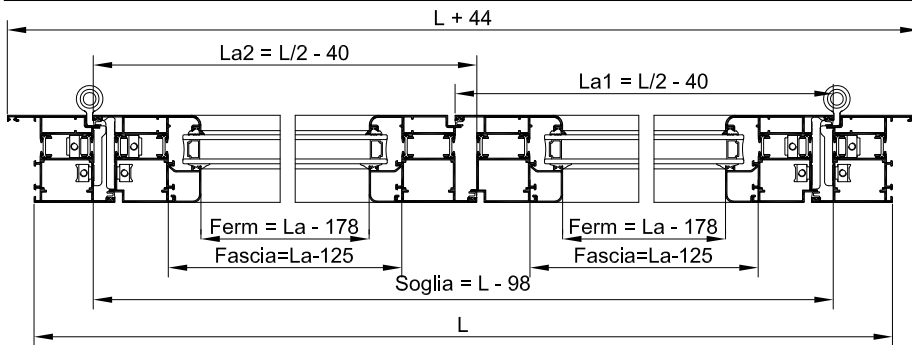
PORTA 2 ANTE
Soluzione centrale "Z + T"
e fascia

TWO-WINGS DOOR
"Z + T" central solution
and band



N.B.: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli.
Sapa declina ogni responsabilità per errori dovuti al mancato controllo da parte del costruttore.

N.B.: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values.
It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting.
Sapa declines any responsibility from errors caused from the missing dimensional check of the carpenter



PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 22	1	L + 44
	3	Ha = H - 55	4	La = L/2 - 40
	1	Ha = H - 56		
			2	La - 125
			1	L - 98
	4	Hf - 174	8	La - 178
	4	H - Hf - 217		

DIMENSIONI VETRO
GLASS SIZE

N. 2 PEZZI	N.B.: Spessore vetro considerato 24 mm (6+12+6)
Hf - 140	Gloco perimetrale tra profilato e vetro 5 mm
La - 144	For glass with 24 mm thickness
N. 2 PEZZI	Space between glass and profile 5 mm
H - Hf - 183	
La - 144	

Per porte vie di esodo, utilizzare cerniera A.1025.AX al posto della A.1023.AX
For doors on escape routes, please use hinge A.1025.AX instead of A.1023.AX

ACCESSORI
ACCESSORIES

* IN FUNZIONE DELLA SERRATURA UTILIZZARE KIT-CATENACCIO A.4302.BN O A.4305.BN (VEDI PAGINA F9-P72TT-A9)

* KIT-LATCH TO BE ESTABLISHED ACCORDING TO THE LOCK A.4302.BN OR A.4305.BN (SEE PAGE F9-P72TT-A9)

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.5430.AA	Squadretta per giunzione d'angolo Corner joint	10	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8	Comm.	Tassello spessoramento vetri Shim for glasses	8
A.2913.AA	Squadretta su prof. est. R72TT External corner joint	10	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	8			
2013(Mont)	Squadretta di allineamento "FUJI" Alignment corner joint for rabbet "FUJI"	2	A.0202.BA	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	16			
2006(Mont)	Squadretta di allin. Prof. Compl. "FUJI" Alignment corner joint for coplanar profiles "FUJI"	8	*	Kit catenaccio per porta Kit level latch for door	2			
A.1023.AX	Cerniera R72TT Hinge R72TT	6	A.4303.NN	Boccola di riscontro Bush feedback	2			
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	12	A.2123.NN	Coppia tappi copritaglio centrale Pair of plugs for central rabbet	2			

GUARNIZIONI
WEATHERSTRIPS

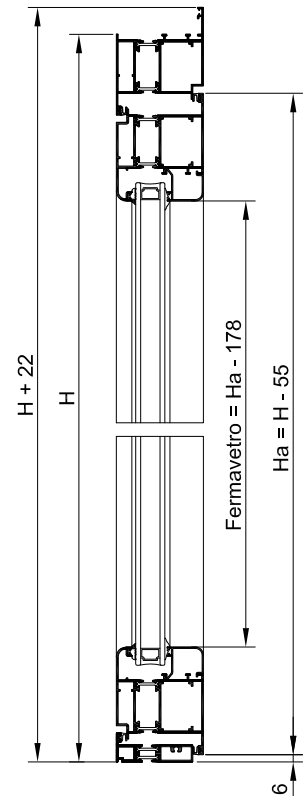
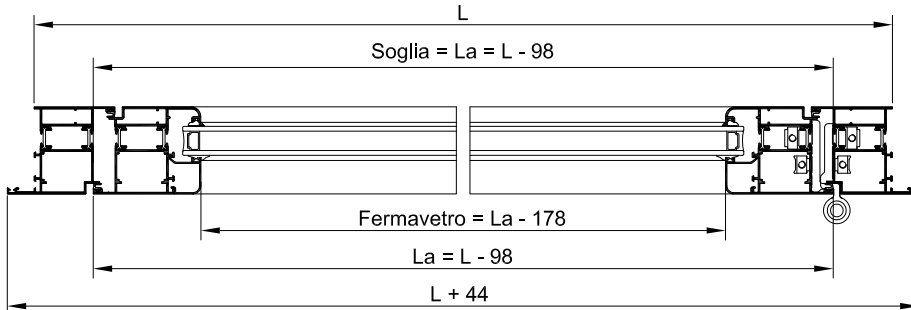
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0121.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 4L	G.0139.RN	Guarnizione esterna appoggio vetri 1,5 mm Weatherstrip on glass support mm 1.5	4H 4L			
G.0129.EN	Guarnizione interna tenuta vetro 5-6 mm Weatherstrip on glazing bead shim mm 5-6	4H 4L						

PORTA 1 ANTA
ONE-WING DOOR



N.B.: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli.
Sapa declina ogni responsabilità per errori dovuti al mancato controllo da parte del costruttore.

N.B.: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values.
It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting.
Sapa declines any responsibility from errors caused from the missing dimensional check of the carpenter



PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 22	1	L + 44
	2	Ha = H - 55	2	La = L - 98
			1	L - 98
	2	Ha - 178	2	La - 178

DIMENSIONI VETRO
GLASS SIZE

N. 1 PEZZO N.B.: Spessore vetro considerato 24 mm (6+12+6)
Glaco perimetrale tra profilato e vetro 5 mm
For glass with 24 mm thickness
Space between glass and profile 5 mm

Ha - 144
La - 144

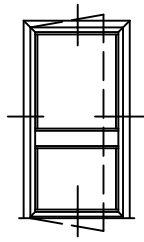
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.5430.AA	Squadretta per giunzione d'angolo Corner joint	6	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8			
A.2913.AA	Squadretta su prof. est. R72TT External corner joint	6	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	8			
2013(Mont)	Squadretta di allineamento "FUJI" Alignment corner joint for rabbet "FUJI"	2	A.0202.BA	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	4			
2006(Mont)	Squadretta di allin. prof. compl. "FUJI" Alignment corner joint for coplanar profiles "FUJI"	4	Comm.	Tassello spessoramento vetri Shim for glasses	3			
A.1023.AX	Cerniera R72TT Hinge R72TT	3						
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	8						

GUARNIZIONI
WEATHERSTRIPS

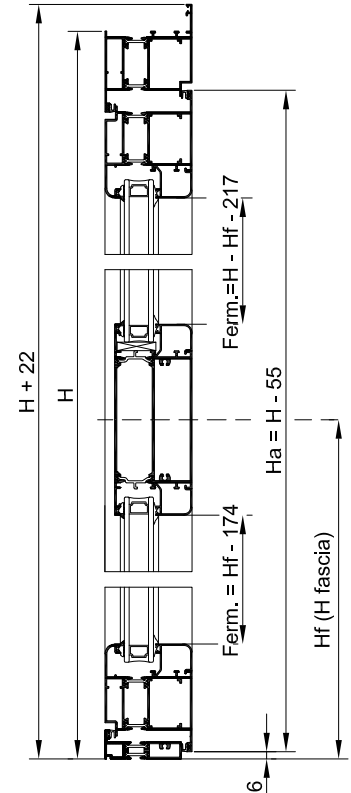
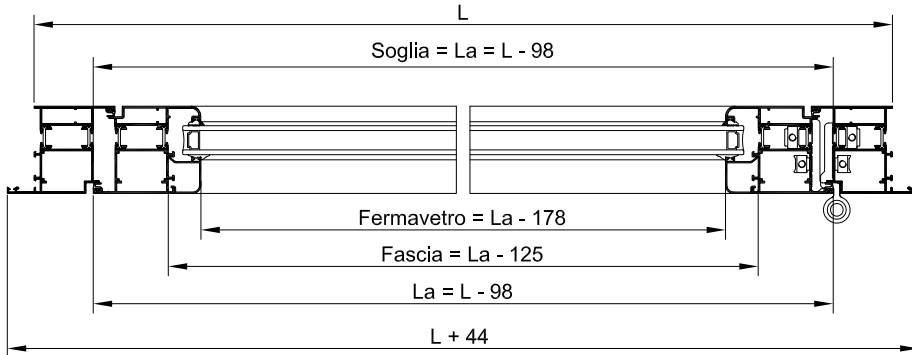
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0121.EN	Guarnizione di battuta Weatherstrip of rabbet	4H 4L	G.0139.RN	Guarnizione esterna appoggio vetri 1,5 mm Weatherstrip on glass support mm 1.5	2H 2L			
G.0129.EN	Guarnizione interna tenuta vetro 5-6 mm Weatherstrip on glazing bead shim mm 5-6	2H 2L						

PORTA 1 ANTA
Soluzione con fascia
ONE-WING DOOR
Band solution



N.B.: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli.
Sapa declina ogni responsabilità per errori dovuti al mancato controllo da parte del costruttore.

N.B.: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values.
It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting.
Sapa declines any responsibility from errors caused from the missing dimensional check of the carpenter



PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 22	1	L + 44
	2	Ha = H - 55	2	La = L - 98
			2	La - 125
			1	L - 98
	2 2	Hf - 174 H - Hf - 217	4	La - 178

DIMENSIONI VETRO
GLASS SIZE

N. 1 PEZZO	N.B.: Spessore vetro considerato 24 mm (6+12+6) Gioco perimetrale tra profilato e vetro 5 mm
Hf - 140	
La - 144	
N. 1 PEZZO	For glass with 24 mm thickness Space between glass and profile 5 mm
H - Hf - 183	
La - 144	

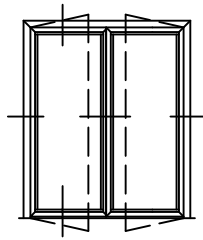
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.5430.AA	Squadretta per giunzione d'angolo Corner joint	6	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8			
A.2913.AA	Squadretta su prof. est. R72TT External corner joint	6	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	8			
2013(Mont)	Squadretta di allineamento "FUJI" Alignment corner joint for rabbet "FUJI"	2	A.0202.BA	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	8			
2006(Mont)	Squadretta di allin. prof. compl. "FUJI" Alignment corner joint for coplanar profiles "FUJI"	4	Comm.	Tassello spessoramento vetri Shim for glasses	3			
A.1023.AX	Cerniera R72TT Hinge R72TT	3						
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	8						

GUARNIZIONI
WEATHERSTRIPS

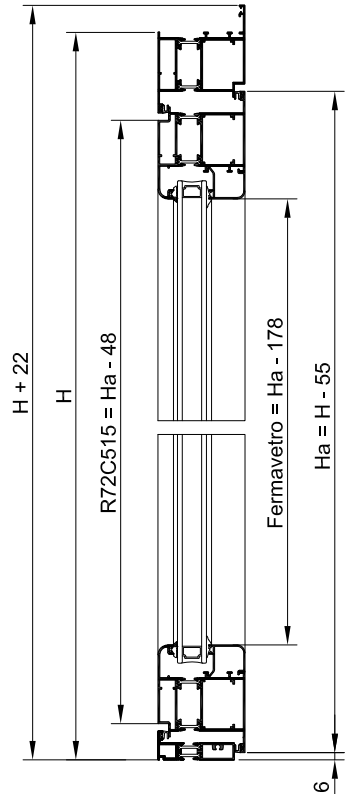
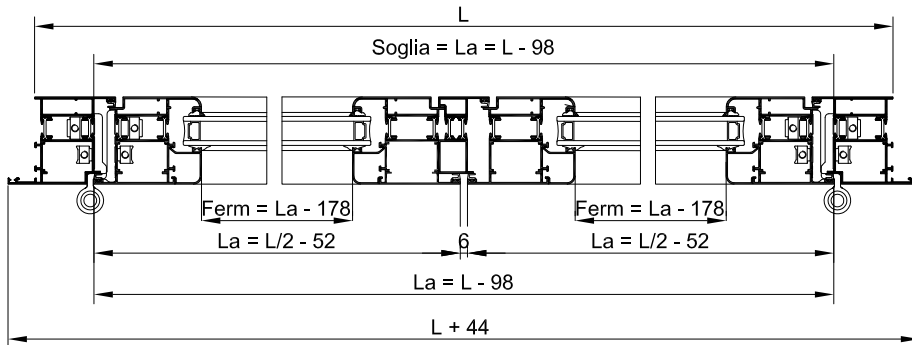
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0121.EN	Guarnizione di battuta Weatherstrip of rabbet	4H 4L	G.0139.RN	Guarnizione esterna appoggio vetri 1,5 mm Weatherstrip on glass support mm 1.5	2H 4L			
G.0129.EN	Guarnizione interna tenuta vetro 5-6 mm Weatherstrip on glazing bead shim mm 5-6	2H 4L						

PORTA 2 ANTE
Soluzione con riporto centrale
TWO-WINGS DOOR
Central rabbet solution



N.B.: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli.
Sapa declina ogni responsabilità per errori dovuti al mancato controllo da parte del costruttore.

N.B.: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values.
It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting.
Sapa declines any responsibility from errors caused from the missing dimensional check of the carpenter



PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 22	1	L + 44
	4	Ha = H - 55	4	La = L/2 - 52
	1	Ha - 48		
			1	L = L - 98
	4	Ha - 178	4	La - 178

DIMENSIONI VETRO
GLASS SIZE

N. 2 PEZZI	N.B.: Spessore vetro considerato 24 mm (6+12+6) Gioco perimetrale tra profilato e vetro 5 mm For glass with 24 mm thickness Space between glass and profile 5 mm
Ha - 144	
La - 144	

* IN FUNZIONE DELLA SERRATURA UTILIZZARE KIT-CATENACCIO
A.4302.BN O A.4305.BN (VEDI PAGINA F9-P72TT-A9)

* KIT-LATCH TO BE ESTABLISHED ACCORDING TO THE LOCK
A.4302.BN OR A.4305.BN (SEE PAGE F9-P72TT-A9)

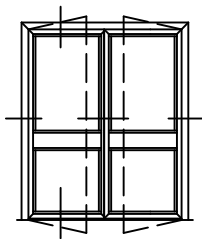
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.5430.AA	Squadretta per giunzione d'angolo Corner joint	10	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8	Comm.	Tassello spessoramento vetri Shim for glasses	6
A.2913.AA	Squadretta su prof. est. R72TT External corner joint	10	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	8			
2013(Mont)	Squadretta di allineamento "FUJI" Alignment corner joint for rabbet "FUJI"	2	*	Kit catenaccio per porta Kit level latch for door	2			
2006(Mont)	Squadretta di allin. prof. compl. "FUJI" Alignment corner joint for coplanar profiles "FUJI"	8	A.4303.NN	Boccola di riscontro Bush feedback	2			
A.1023.AX	Cerniera R72TT Hinge R72TT	6	A.2178.NN	Coppia tappi per riporto centrale R72C515 Pair of plugs for central rabbet on profile R72C515	1			
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	8	A.0202.BA	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	8			

GUARNIZIONI
WEATHERSTRIPS

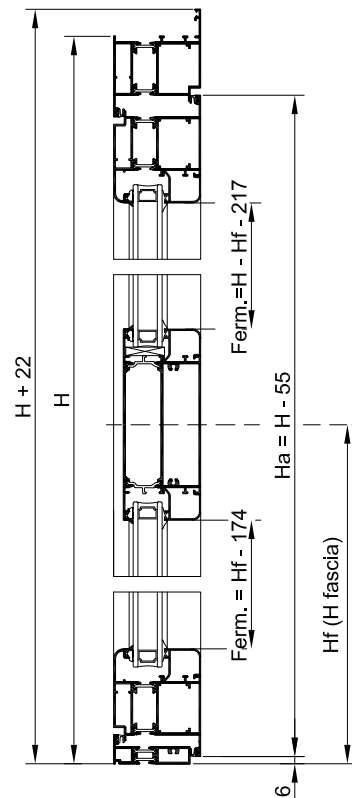
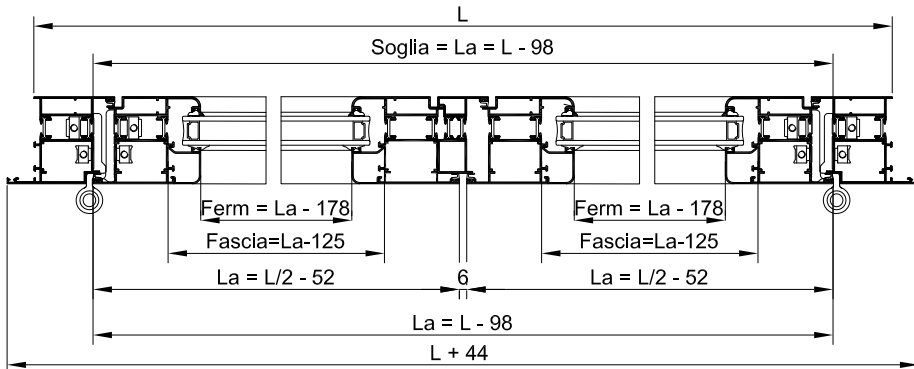
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0121.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 4L	G.0139.RN	Guarnizione esterna appoggio vetri 1,5 mm Weatherstrip on glass support mm 1.5	4H 2L			
G.0129.EN	Guarnizione interna tenuta vetro 5-6 mm Weatherstrip on glazing bead shim mm 5-6	4H 2L						

PORTA 2 ANTE
Soluzione con riporto centrale e fascia
TWO-WINGS DOOR
Central rabbet solution and band



N.B.: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche. Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli. Sapa declina ogni responsabilità per errori dovuti al mancato controllo da parte del costruttore.

N.B.: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values. It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting. Sapa declines any responsibility from errors caused from the missing dimensional check of the carpenter



PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 22	1	L + 44
	4	Ha = H - 55	4	La = L/2 - 52
	1	Ha - 48		
			2	La - 125
			1	L - 98
	4	Hf - 174	8	La - 178
	4	H - Hf - 217		

DIMENSIONI VETRO
GLASS SIZE

N. 2 PEZZI	N.B.: Spessore vetro considerato 24 mm (6+12+6) Gioco perimetrale tra profilato e vetro 5 mm For glass with 24 mm thickness Space between glass and profile 5 mm
Hf - 140	
La - 144	
N. 2 PEZZI	
H - Hf - 183	
La - 144	

ACCESSORI
ACCESSORIES

* IN FUNZIONE DELLA SERRATURA UTILIZZARE KIT-CATENACCIO A.4302.BN O A.4305.BN (VEDI PAGINA F9-P72TT-A9)

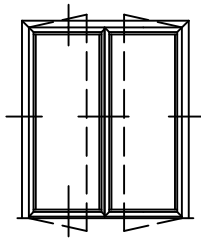
* KIT-LATCH TO BE ESTABLISHED ACCORDING TO THE LOCK A.4302.BN OR A.4305.BN (SEE PAGE F9-P72TT-A9)

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.5430.AA	Squadretta per giunzione d'angolo Corner joint	10	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8	A.2178.NN	Coppia tappi per riporto centrale R72C515 Pair of plugs for central rabbet on profile R72C515	1
A.2913.AA	Squadretta su prof. est. R72TT External corner joint	10	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	8	A.0202.BA	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	16
2013(Mont)	Squadretta di allineamento "FUJI" Alignment corner joint for rabbet "FUJI"	2	*	Kit catenaccio per porta Kit level latch for door	2	Comm.	Tassello spessoramento vetri Shim for glasses	12
2006(Mont)	Squadretta di allin. prof. compl. "FUJI" Alignment corner joint for coplanar profiles "FUJI"	8	A.4303.NN	Boccola di riscontro Bush feedback	2			
A.1023.AX	Cerniera R72TT Hinge R72TT	6						
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	8						

GUARNIZIONI
WEATHERSTRIPS

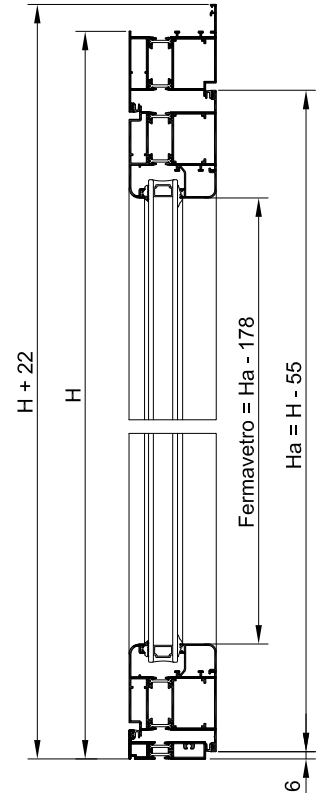
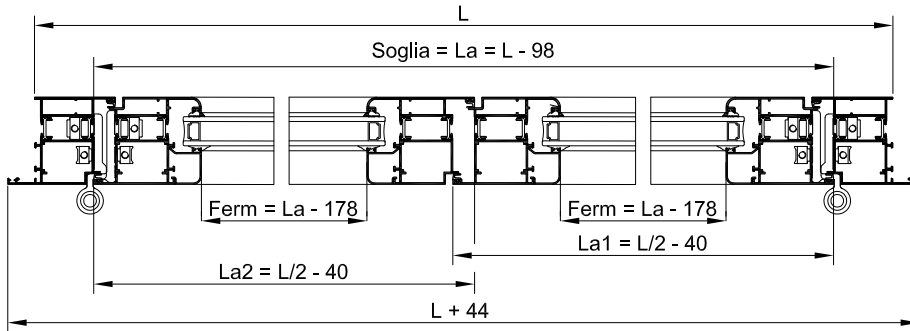
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0121.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 4L	G.0139.RN	Guarnizione esterna appoggio vetri 1,5 mm Weatherstrip on glass support mm 1,5	4H 4L			
G.0129.EN	Guarnizione interna tenuta vetro 5-6 mm Weatherstrip on glazing bead shim mm 5-6	4H 4L						

PORTA 2 ANTE
Soluzione centrale "Z + T"
TWO-WINGS DOOR
"Z + T" central solution



N.B.: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli.
Sapa declina ogni responsabilità per errori dovuti al mancato controllo da parte del costruttore.

N.B.: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values.
It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting.
Sapa declines any responsibility from errors caused from the missing dimensional check of the carpenter



PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 22	1	L + 44
	3	Ha = H - 55	4	La = L/2 - 40
	1	Ha = H - 56		
			1	L = L - 98
	4	Ha - 178	4	La - 178

DIMENSIONI VETRO
GLASS SIZE

N. 2 PEZZI	N.B.: Spessore vetro considerato 24 mm (6+12+6) Gioco perimetrale tra profilato e vetro 5 mm For glass with 24 mm thickness Space between glass and profile 5 mm
Ha - 144	
La - 144	

* IN FUNZIONE DELLA SERRATURA UTILIZZARE KIT-CATENACCIO A.4302.BN O A.4305.BN (VEDI PAGINA F9-P72TT-A9)

* KIT-LATCH TO BE ESTABLISHED ACCORDING TO THE LOCK A.4302.BN OR A.4305.BN (SEE PAGE F9-P72TT-A9)

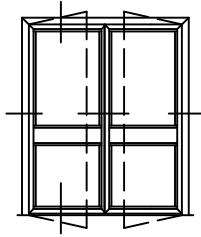
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.5430.AA	Squadretta per giunzione d'angolo Corner joint	10	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8	Comm.	Tassello spessoramento vetri Shim for glasses	6
A.2913.AA	Squadretta su prof. est. R72TT External corner joint	10	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	8			
2013(Mont)	Squadretta di allineamento "FUJI" Alignment corner joint for rabbet "FUJI"	2	A.0202.BA	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	8			
2006(Mont)	Squadretta di allin. Prof. Compl. "FUJI" Alignment corner joint for coplanar profiles "FUJI"	8	*	Kit catenaccio per porta Kit level latch for door	2			
A.1023.AX	Cerniera R72TT Hinge R72TT	6	A.4303.NN	Boccola di riscontro Bush feedback	2			
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	8	A.2123.NN	Coppia tappi copritaglio centrale Pair of plugs for central rabbet	2			

GUARNIZIONI
WEATHERSTRIPS

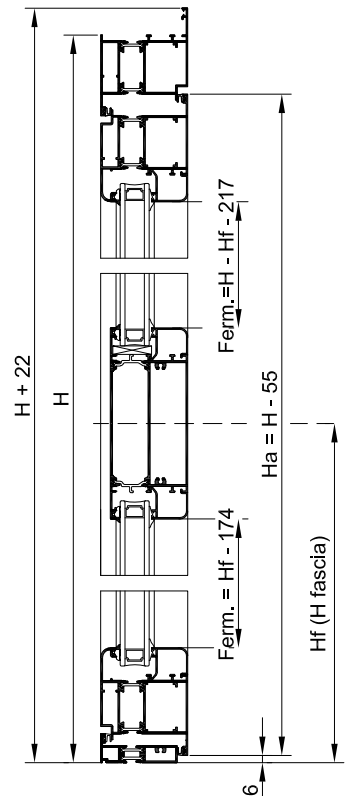
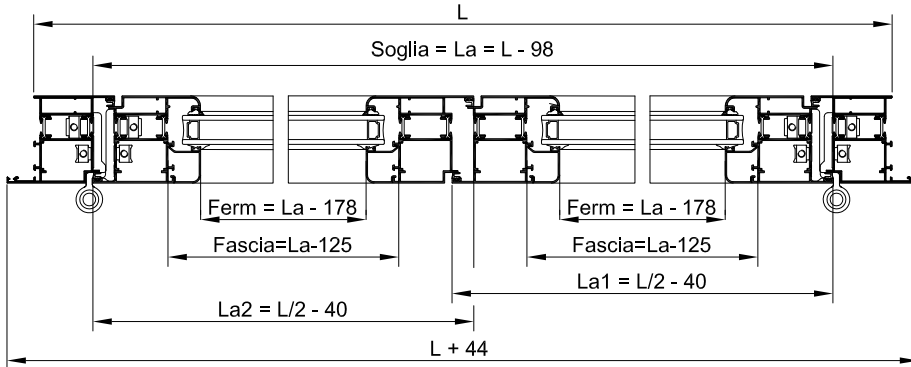
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0121.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 4L	G.0139.RN	Guarnizione esterna appoggio vetri 1,5 mm Weatherstrip on glass support mm 1.5	4H 2L			
G.0129.EN	Guarnizione interna tenuta vetro 5-6 mm Weatherstrip on glazing bead shim mm 5-6	4H 2L						

PORTA 2 ANTE
Soluzione centrale "Z + T"
e fascia
TWO-WINGS DOOR
"Z + T" central solution
and band



N.B: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli.
Sapa declina ogni responsabilità per errori dovuti al mancato controllo da parte del costruttore.

N.B: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values.
It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting.
Sapa declines any responsibility from errors caused from the missing dimensional check of the carpenter



PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 22	1	L + 44
	3	Ha = H - 55	4	La = L/2 - 40
	1	Ha = H - 56		
			2	La - 125
			1	L - 98
	4	Hf - 174	8	La - 178
	4	H - Hf - 217		

DIMENSIONI VETRO
GLASS SIZE

N. 2 PEZZI	N.B.: Spessore vetro considerato 24 mm (6+12+6) Gioco perimetrale tra profilato e vetro 5 mm
Hf - 140	
La - 144	
N. 2 PEZZI	For glass with 24 mm thickness Space between glass and profile 5 mm
H - Hf - 183	
La - 144	

ACCESSORI
ACCESSORIES

* IN FUNZIONE DELLA SERRATURA UTILIZZARE KIT-CATENACCIO A.4302.BN O A.4305.BN (VEDI PAGINA F9-P72TT-A9)

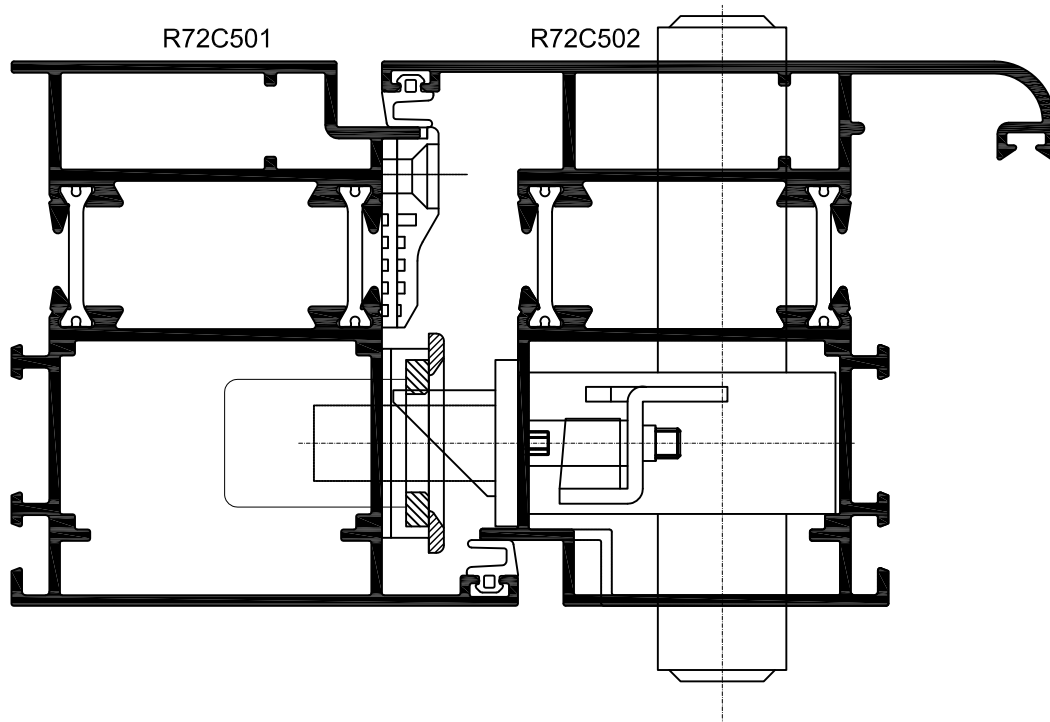
* KIT-LATCH TO BE ESTABLISHED ACCORDING TO THE LOCK A.4302.BN OR A.4305.BN (SEE PAGE F9-P72TT-A9)

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.5430.AA	Squadretta per giunzione d'angolo Corner joint	10	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8	Comm.	Tassello spessoramento vetri Shim for glasses	8
A.2913.AA	Squadretta su prof. est. R72TT External corner joint	10	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	8			
2013(Mont)	Squadretta di allineamento "FUJI" Alignment corner joint for rabbet "FUJI"	2	A.0202.BA	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	16			
2006(Mont)	Squadretta di allin. Prof. Compl. "FUJI" Alignment corner joint for coplanar profiles "FUJI"	8	*	Kit catenaccio per porta Kit level latch for door	2			
A.1023.AX	Cerniera R72TT Hinge R72TT	6	A.4303.NN	Boccola di riscontro Bush feedback	2			
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	12	A.2123.NN	Coppia tappi copritaglio centrale Pair of plugs for central rabbet	2			

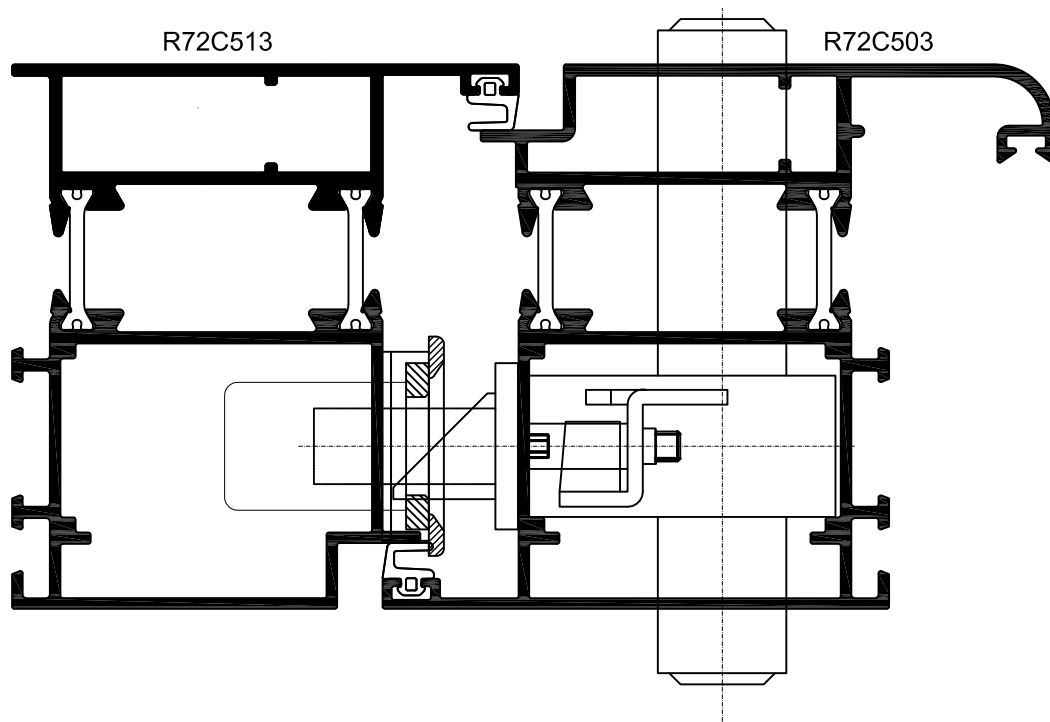
GUARNIZIONI
WEATHERSTRIPS

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0121.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 4L	G.0139.RN	Guarnizione esterna appoggio vetri 1,5 mm Weatherstrip on glass support mm 1.5	4H 4L			
G.0129.EN	Guarnizione interna tenuta vetro 5-6 mm Weatherstrip on glazing bead shim mm 5-6	4H 4L						

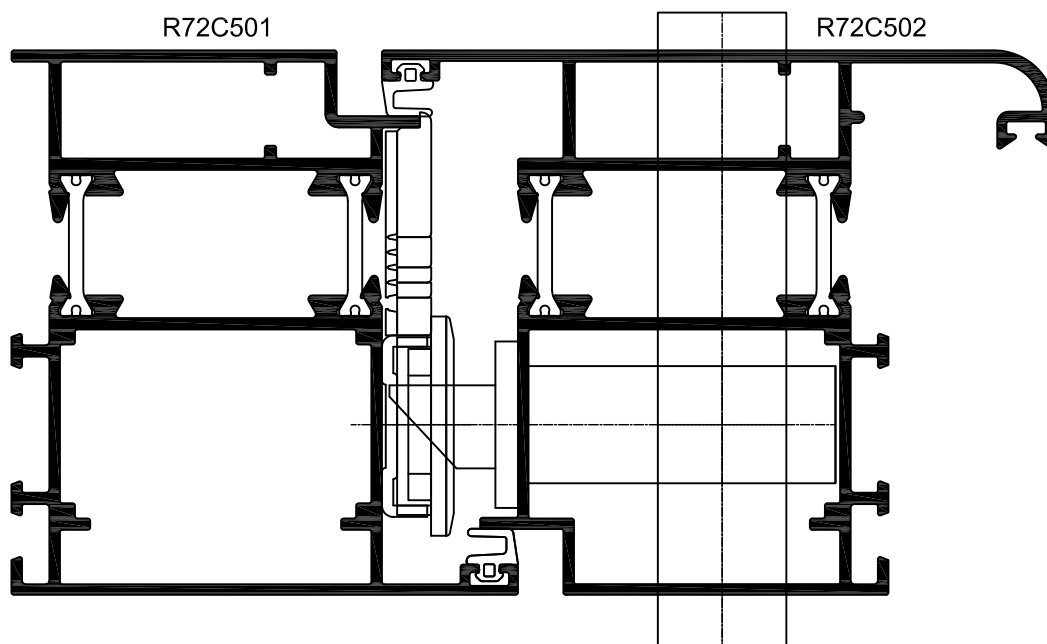
ESEMPIO SOLUZIONE APERTURE ESTERNE
OUTWARD OPENING SOLUTION EXAMPLE



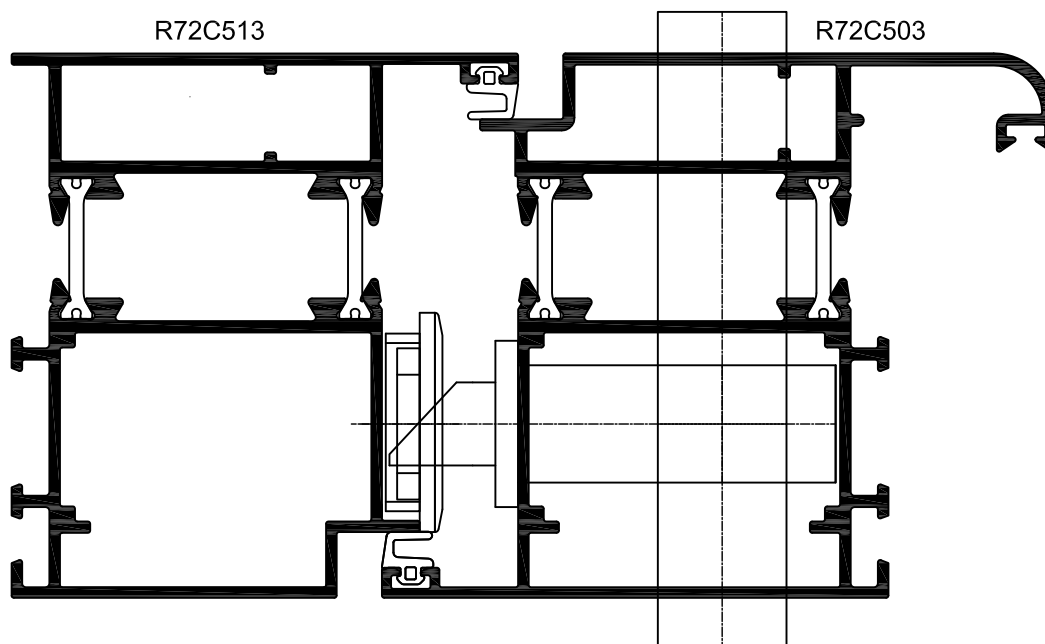
ESEMPIO SOLUZIONE PER APERTURE INTERNE
INWARD OPENING SOLUTION EXAMPLE



ESEMPIO SOLUZIONE APERTURE ESTERNE
OUTWARD OPENING SOLUTION EXAMPLE



ESEMPIO SOLUZIONE PER APERTURE INTERNE
INWARD OPENING SOLUTION EXAMPLE



Descrizione : porta ad un'anta apertura esterna

Frontale mm 22 - Agganci aste a vite

Serratura da montante

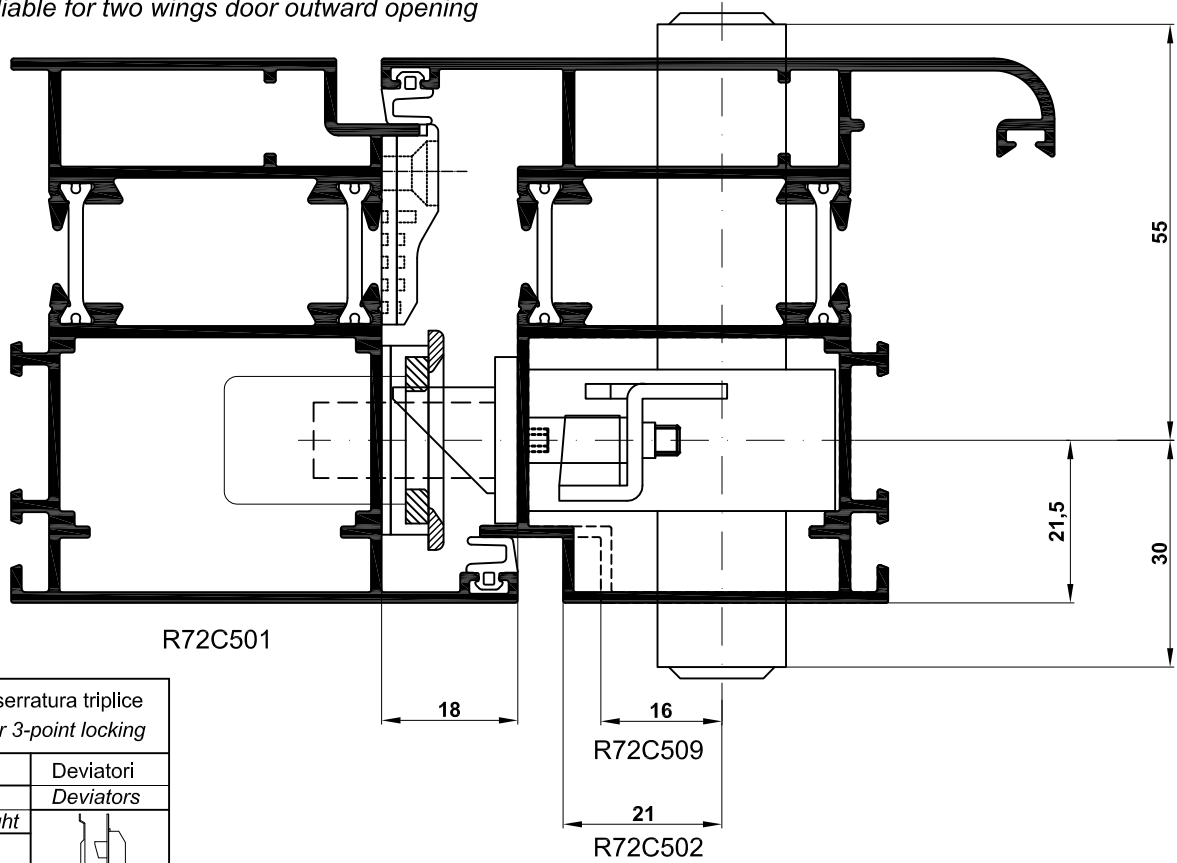
NB: valido anche per apertura a due ante

Description: One wing door outward opening

Front lock mm 22 - hook-ing screw arms

Lock for mullion

NB: also available for two wings door outward opening



Accessori per serratura triplice Accessories for 3-point locking		
Aste - Rods		Deviatori
Deviate Deviated	Dritte Straight	Deviators
990850	990851	780302252

	Scivolo Apertura Esterna Deadbolt-guiding for external opening.
Codice / Code 990842	

Cilindro Cylinders			Contropiastra Striking plates		Serratura E=30 Locks E=30			
		Inserto cilindro chiavi a spillo Cross-Key cylinder ART.990890	Regolabile in metallo Adjustable metal			Versione Type	Laterale Lateral	Triplice Triple
			Serrature - Locks	Deviatori - Deviators				
F5 820930557 Ottone - Brass 820930559 Nichelato Nickel	R6 880930557 Ottone - Brass 880930559 Nichelato Nickel				Catenaccio e Scrocco Deadbolt and Latch	781102302	783102302	
F6 810930557 Ottone - Brass 810930559 Nichelato Nickel	R7 82R7030557 Ottone - Brass 82R7030559 Nichelato Nickel				Catenaccio e Rullo Deadbolt and Roller	781202302	783202302	
					Solo Catenaccio Only Deadbolt	781302302	783302302	
					Elettrica con maniglia Elect. pulse with handle	781802302	783802302	
			0386001	0387001				

Le istruzioni di montaggio e le quote di lavorazione, sono indicate nelle istruzioni presenti nelle confezioni delle serrature stesse.

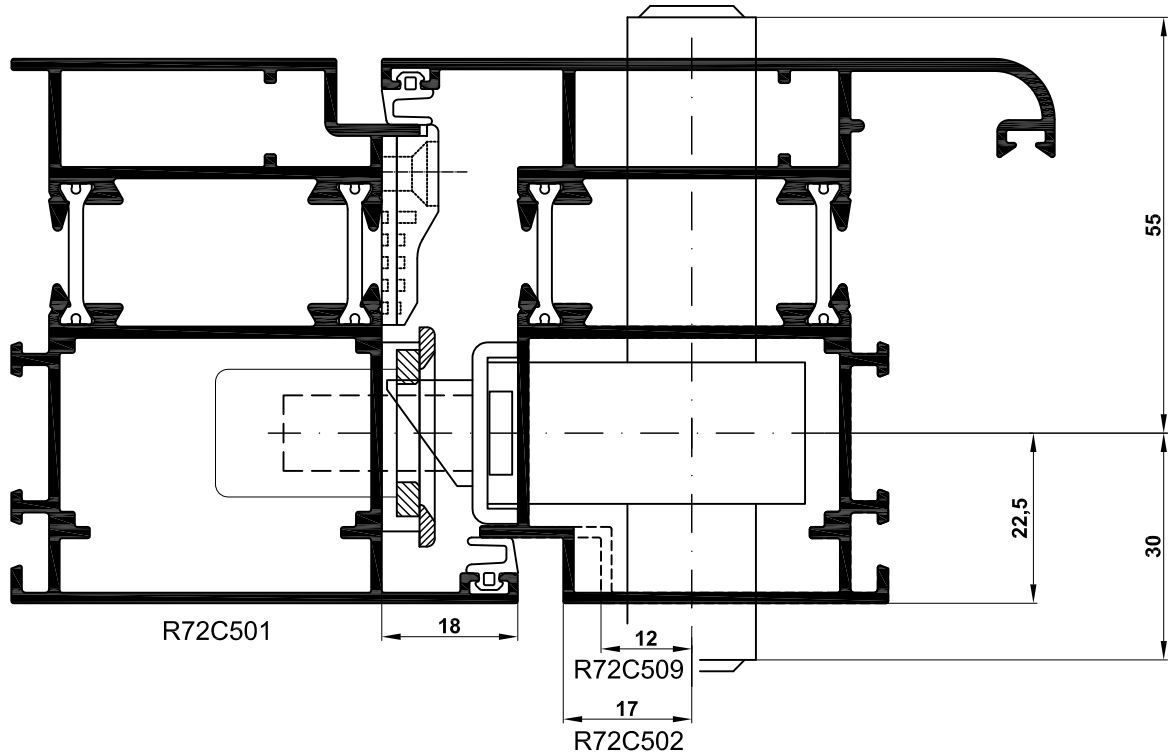
Per maggiori informazioni sulle tipologie esistenti, consultare il catalogo del costruttore.

The mounting instructions and the tooling dimensions, are indicated in the instructions included in the package of locks.

For further information of the existing types, please refer to the manufacturers catalogue.

Descrizione : porta ad un'anta apertura esterna
Multipunto con frontale sagomato
Serratura da montante
NB: valido anche per apertura a due ante

Description: One wing door outward opening
Multipoint closing with shaped front plate
Lock for mullion
NB: also available for two wings door outward opening



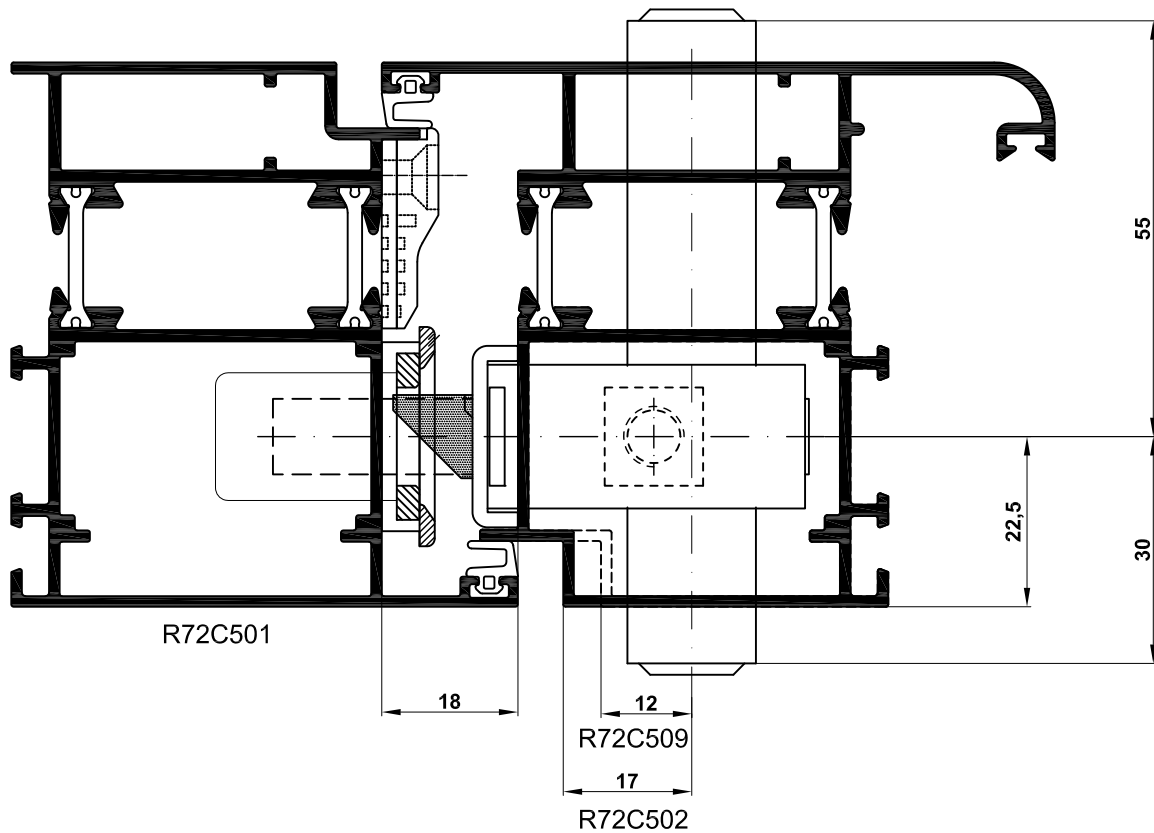
Contropiastra Striking plates		Cilindro Cylinders		
Regolabile in metallo Adjustable metal				Inserto cilindro chiavi a spillo Cross-Key cylinder ART.990890
Serrature Locks	Deviatori Deviators	F5 820930557 Ottone - Brass	R6 880930557 Ottone - Brass	
		820930559 Nichelato Nickel	880930559 Nichelato Nickel	
0386001	0387001	F6 810930557 Ottone - Brass	R7 82R7030557 Ottone - Brass	
		810930559 Nichelato Nickel	82R7030559 Nichelato Nickel	
Scivolo Apertura Esterna Deadbolt-guiding for external opening.				
Codice / Code 990842				

Serratura E=30 Locks E=30				
Versione Type	A	B	C	
Catenaccio e Scrocco Deadbolt and Latch	78510*30*	786100300	787100300	
Catenaccio e Rullo Deadbolt and Roller	78520*30*	786200300	787200300	
Solo Catenaccio Only Deadbolt	78530*30*	786300300	787300300	
Elettrica con maniglia Elect. pulse with handle	78580*30*	786800300	787800300	
Contropiastra per deviatori Striking plates for deviators	N° 2 pezzi	N° 1 pezzo	/	

Le istruzioni di montaggio e le quote di lavorazione, sono indicate nelle istruzioni presenti nelle confezioni delle serrature stesse.
Per maggiori informazioni sulle tipologie esistenti, consultare il catalogo del costruttore.
The mounting instructions and the tooling dimensions, are indicated in the instructions included in the package of locks.
For further information of the existing types, please refer to the manufacturers catalogue.

Descrizione : porta ad un'anta apertura esterna
MULTIBLINDO int. 92 mm multiblando
Serratura da montante
NB: valido anche per apertura a due ante

Description: One wing door outward opening
MULTIBLINDO distance between center 92 mm
multipoint closing. Lock for mullion
NB: also available for two wings door outward opening



Accessori Accessories		Contropiastra regolabile Adjustable striking plates	
Ghiera protezione cilindro Cylinder protection ring	040806	Serrature Locks	Deviatori Deviators
Piastra antitrapano Plates anti-drill	Guida + incontro asta superiore Tip-Guiding spacer	Gancio Hook	038710
Kit rullo Kitt roller	040803	Catenaccio Deadbolt	0387001
Boccola a pavimento Bush floor	040807	Scivolo Apertura Esterna Deadbolt-guiding for external opening.	
Tappo Plug	040816	Codice - Code 990842	
Puntale Terminal	040808		

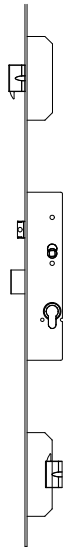
Serratura E=30 Locks E=30

Versione multipunto con deviatore a catenaccio Multipoint version with deviator / deadbolt		Versione multipunto con deviatore a gancio Multipoint version with deviator / hook		Versione multipunto con deviatore alto e basso Multipoint version with deviator high and low		Cilindro Cylinders	
Frontale - Plated	Codice - Code	Frontale - Plated	Codice - Code	Frontale - Plated	Codice - Code		
Acciaio Inox Stainless 24x6	L=1860 795101302	Acciaio Inox Stainless 24x6	L=1860 795501302	Acciaio Inox Stainless 24x6	/	F5 820930557	R6 880930557
	L=2300 795100302		L=2300 795500302		/	Ottone - Brass 820930559	Ottone - Brass 880930559
Alluminio Nero Black aluminum 22x7 L=2300	/	Alluminio Nero Black aluminum 22x7 L=2300	/	Alluminio Nero Black aluminum 22x7 L=2300	/	Nichelato Nickel F6 810930557	Nichelato Nickel R7 82R7030557
Acciaio Inox Stainless 24x3 L=2300	/	Acciaio Inox Stainless 24x3 L=2300	/	Acciaio Inox Stainless 24x3 L=2300	/	Ottone - Brass 810930559	Ottone - Brass 82R7030559
						Nichelato Nickel	Nichelato Nickel

Le istruzioni di montaggio e le quote di lavorazione, sono indicate nelle istruzioni presenti nelle confezioni delle serrature stesse.
Per maggiori informazioni sulle tipologie esistenti, consultare il catalogo del costruttore.
The mounting instructions and the tooling dimensions, are indicated in the instructions included in the package of locks.
For further information of the existing types, please refer to the manufacturers catalogue.



A



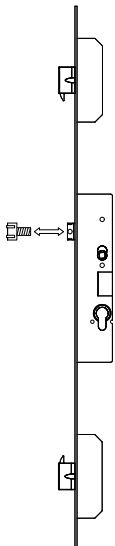
Contropiastra Regolabile in Metallo <i>Adjustable metal striking plates</i>			
A	B	C	Deviatori <i>Deviators</i>
06461-35	06461-35 (B)	06461-39	06461-39 (pz.2)
(B) Kit rullo art. 06000-00 <i>(B) roller kit</i>			

Salva Profilo 06141-89
Save profiles 06141-89

CILINDRO SAGOMATO (Nichelato Fin.12) <i>Shape cylinder (Nich. Fin.12)</i>		Frontale <i>Plated</i>
con borchie <i>with protective roses</i>	senza borchie <i>without protective roses</i>	
0E300-33 L=84 (29.5-54.5)	0E300-17 L=69 (29.5-49.5)	24x5

Art. 19436
Art. 49436

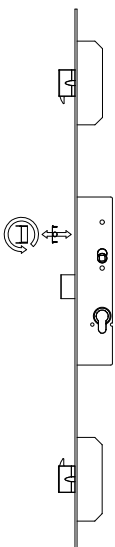
B



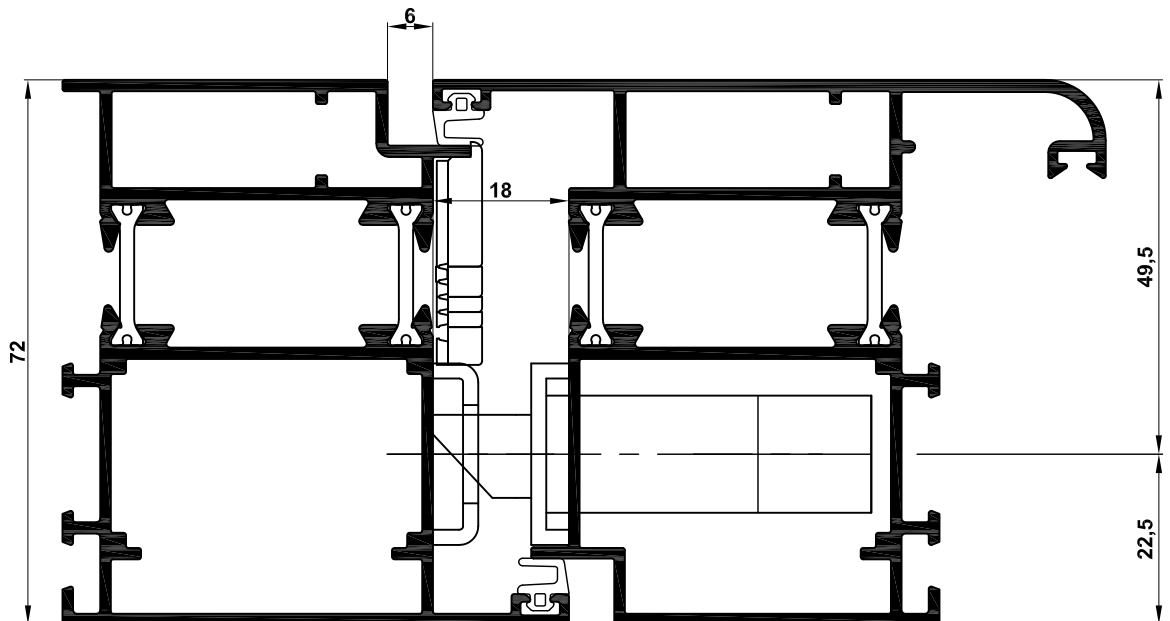
E= 30 mm

Art. 49436

C



Art. 49436



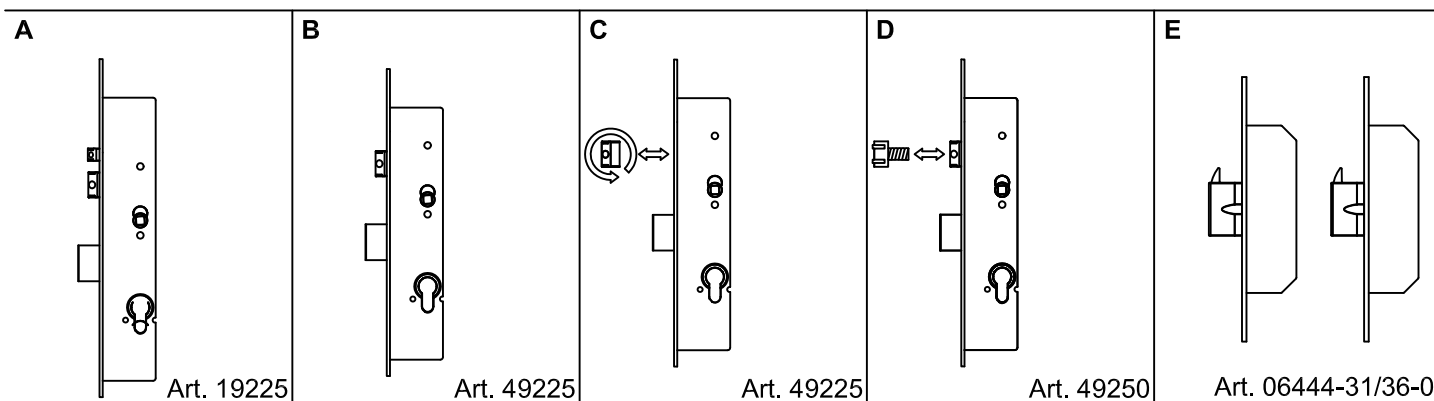
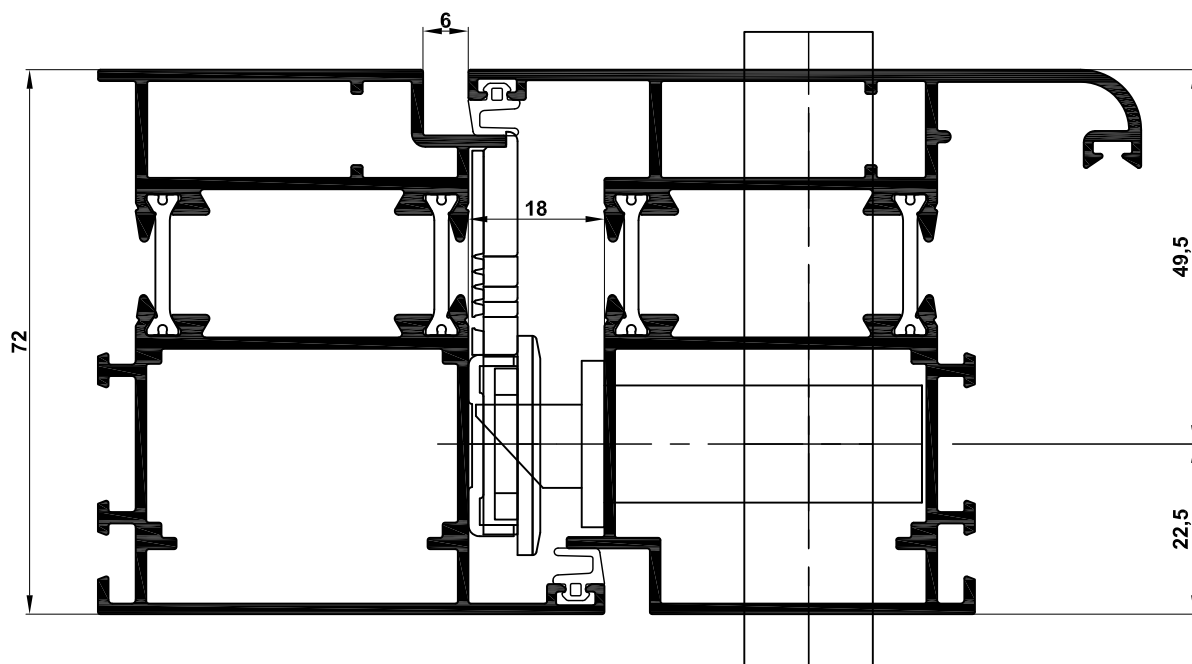


Contropiastra Regolabile in Metallo <i>Adjustable metal striking plates</i>			
A-B	C	D	E
06463-34-0	06465-24-0	06463-34 (16)	06465-24 (pz.2)
(16) = inserto rullo art. 06141-70 (16) = roller insert art. 06141-70			

Salva Profilo 06141-89
Save profiles 06141-89

CILINDRO SAGOMATO (Nichelato Fin.12) <i>Shape cylinder (Nich. Fin.12)</i>		Frontale <i>Plated</i>
con borchie <i>with protective roses</i>	senza borchie <i>without protective roses</i>	
0E300-33 L=84 (29.5-54.5)	0E300-17 L=69 (29.5-49.5)	22x3

E= 30mm



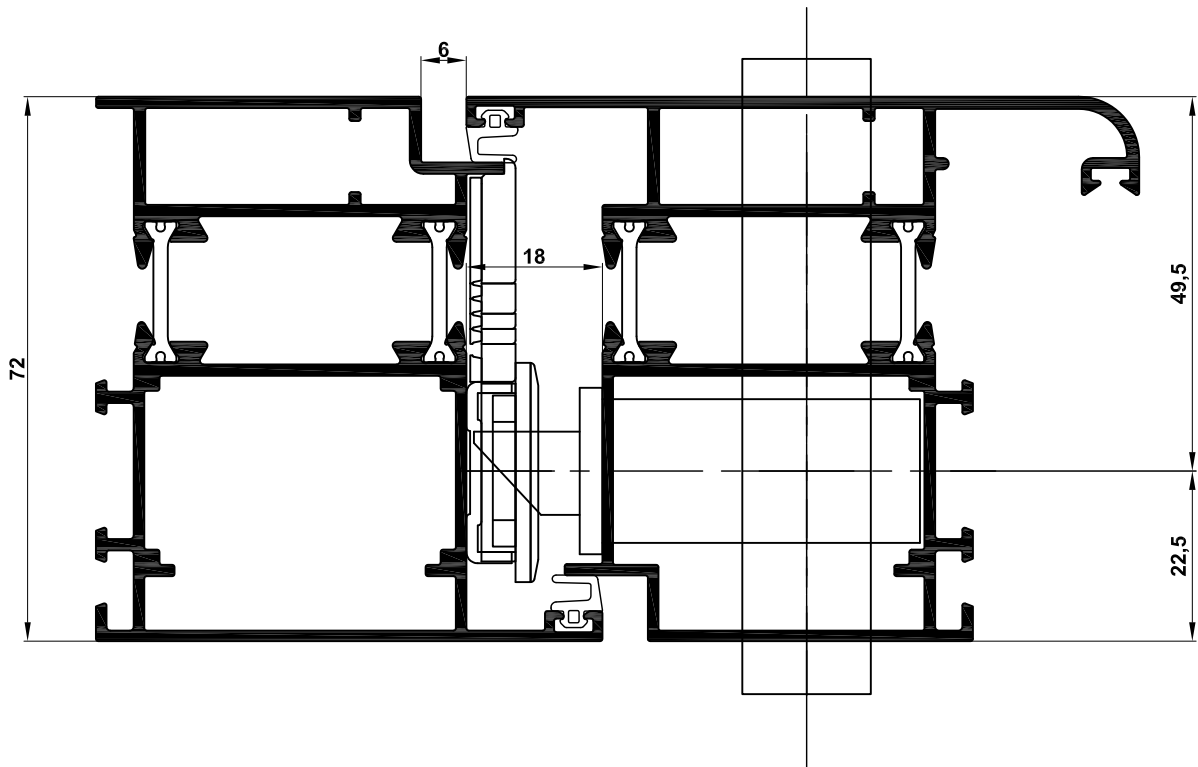


Contropiastra Regolabile in Metallo <i>Adjustable metal striking plates</i>		
A-B-C	E	D-F
06463-24	06463-24 (16)	06465-24
(16) = inserto rullo art. 06141-70 (16) = insert roller art. 06141-70		

Salva Profilo 06141-89
Save profiles 06141-89

CILINDRO SAGOMATO (Nichelato Fin.12) <i>Shape cylinder (Nich. Fin.12)</i>		Frontale <i>Plated</i>
con borchie <i>with protective roses</i>	senza borchie <i>without protective roses</i>	22x3
0E300-33 L=84 (29.5-54.5)	0E300-17 L=69 (29.5-49.5)	

E= 30 mm



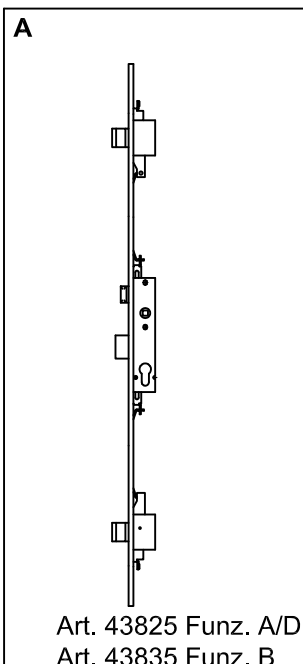
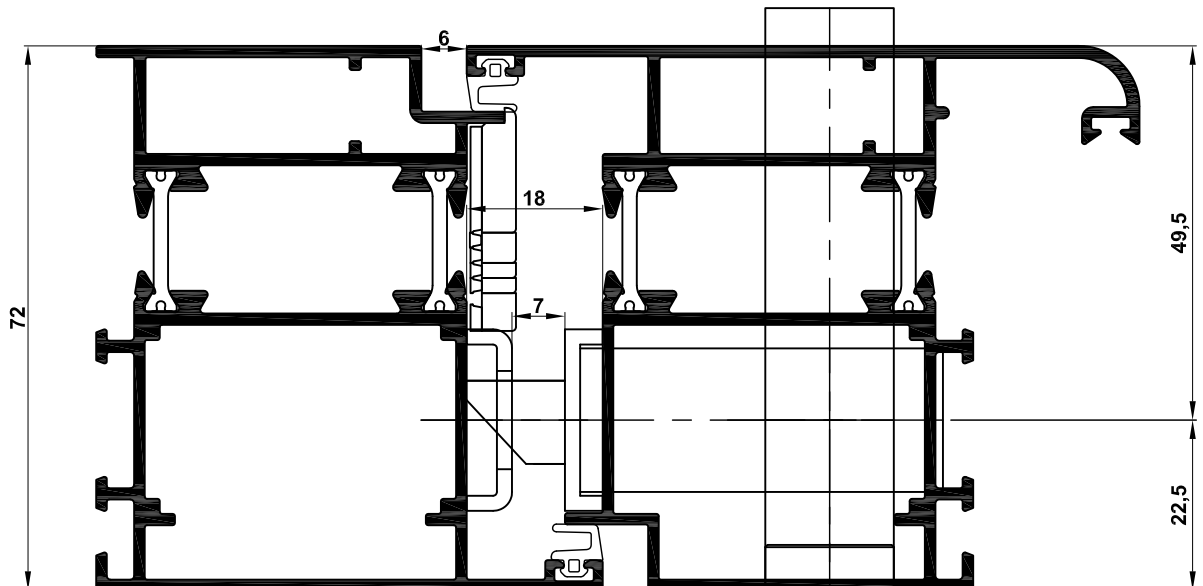
<p>A</p> <p>Versione con cilindro sagomato <i>Shaped cylinder version</i> Art. 16205</p>	<p>B</p> <p>Versione con cilindro sagomato <i>Shaped cylinder version</i> Art. 16215 Art. 16225</p> <p>Versione con cilindro spillo <i>Croiss Key cylinder</i> Art. 16217 Art. 16227</p>	<p>C</p> <p>Versione con cilindro sagomato <i>Shaped cylinder version</i> Art. 46215 Art. 46225</p> <p>Versione con cilindro spillo <i>Croiss Key cylinder</i> Art. 46217 Art. 46227</p>	<p>D</p> <p>Versione con cilindro sagomato <i>Shaped cylinder version</i> Art. 46210 Art. 46220</p> <p>Versione con cilindro spillo <i>Croiss Key cylinder</i> Art. 46212 Art. 46222</p>	<p>E</p> <p>Versione con cilindro sagomato <i>Shaped cylinder version</i> Art. 46230 Art. 46250</p> <p>Versione con cilindro spillo <i>Croiss Key cylinder</i> Art. 46252</p>	<p>F</p> <p>Art. 06443-⁰⁰/₀₅-0</p>
---	---	---	---	--	---

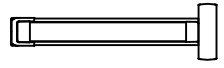
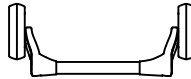


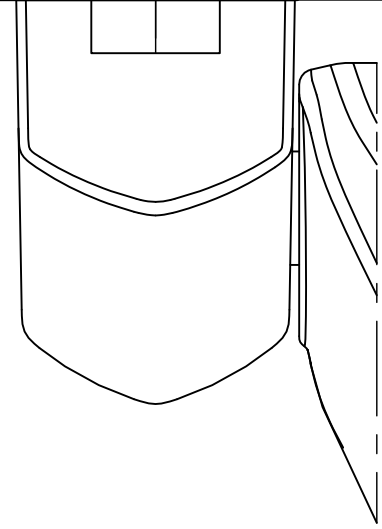
Contropiastra Regolabile in Metallo <i>Adjustable metal striking plates</i>		Accessori <i>Accessories</i>		
A	Deviatori <i>Deviators</i>	Ap. Esterna <i>External opening</i>	Aste <i>Rods</i>	Blocca Aste <i>Lock rods</i>
06461-35	06461-39 <small>(pz.2)</small>	07070-56-0-B1 (A) 07070-66-0-B1 (B/D)	-	-
Salvaprofilo Art. 06141-89 <i>Save profile Art. 06141-89</i>		Bocchetta Pavimento <i>Foor nozzle</i>	Bocchetta Superiore <i>Upper nozzle</i>	
-		-	-	

CILINDRO SAGOMATO (Nichelato Fin.12) <i>Shaped cilinder (Nich. Fin.12)</i>		Frontale <i>Plated</i>
con borchie <i>with protective roses</i>	senza borchie <i>without protective roses</i>	24x5
0E300-33 <small>L=84 (29,5-54,5)</small>	0E300-17 <small>L=69 (29,5-49,5)</small>	

E= 35 mm



 Maniglione FAST Touch Quadro 8mm <i>Panic device FAST Touch - square 8mm</i> art. 59711-00 art. 59711-01 Quadro Maniglia <i>Handle square</i> 07085-77-0	 Maniglione FAST Push Quadro 8mm <i>Panic device Fast Push square 8mm</i> art. 59607-10 Barra Ovale <i>Oval bar</i> art. 07007-XX
--	---

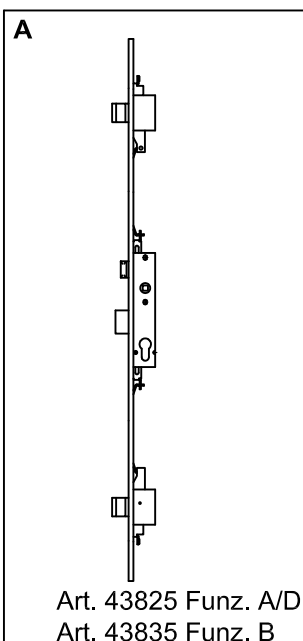
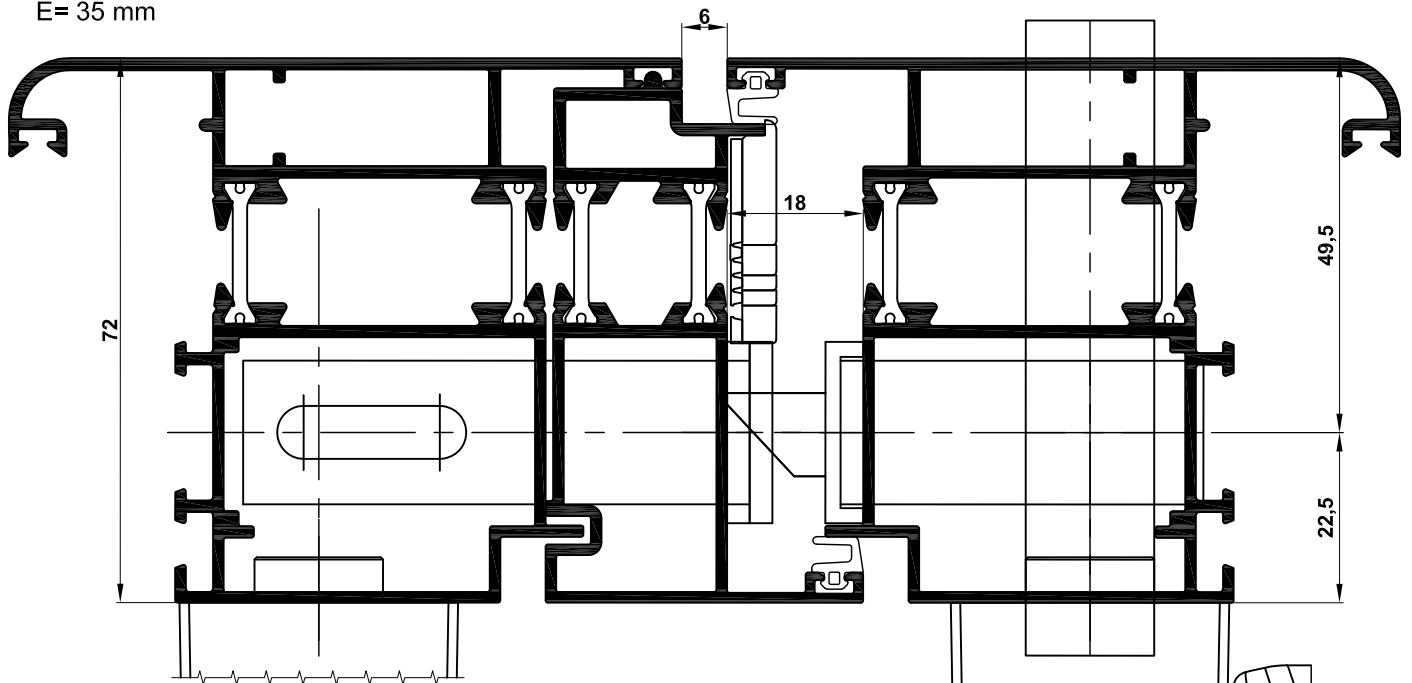


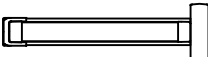
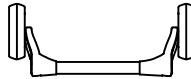


Contropiastra Regolabile in Metallo <i>Adjustable metal striking plates</i>		Accessori <i>Accessories</i>		
A	Deviatori <i>Deviators</i>	Ap. Esterna <i>External opening</i>	Aste <i>Rods</i>	Blocca Aste <i>Lock rods</i>
06461-35	06461-39 <small>(pz.2)</small>	07070-56-0-B1 (A) 07070-66-0-B1 (B/D)	-	-
Salvaprofilo Art. 06141-89 <i>Save profile Art. 06141-89</i>		Bocchetta Pavimento <i>Foor nozzle</i>	Bocchetta Superiore <i>Upper nozzle</i>	
-		-	-	

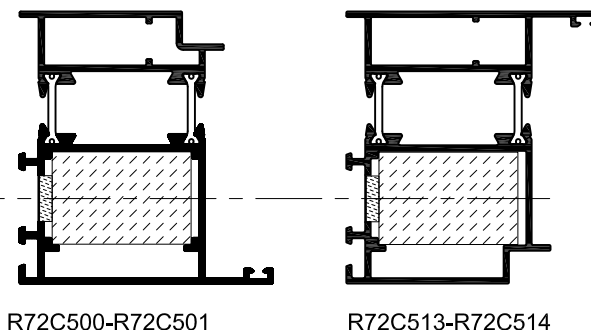
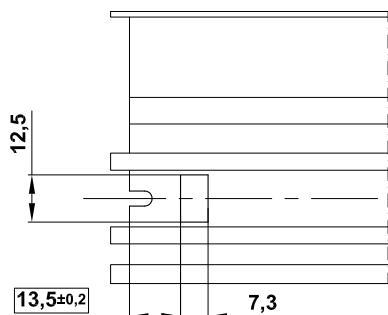
CILINDRO SAGOMATO (Nichelato Fin.12) <i>Shaped cilinder (Nich. Fin.12)</i>		Frontale <i>Plated</i>
con borchie <i>with protective roses</i>	senza borchie <i>without protective roses</i>	24x5
0E300-33 <small>L=84 (29.5-54.5)</small>	0E300-17 <small>L=69 (29.5-49.5)</small>	

E= 35 mm



 Maniglione FAST Touch Quadro 8mm <i>Panic device FAST Touch - square 8mm</i> art. 59711-00 art. 59711-01 Quadro Maniglia <i>Handle square</i> 07085-77-0	 Maniglione FAST Push Quadro 8mm <i>Panic device Fast Push square 8mm</i> art. 59607-10 Barra Ovale <i>Oval bar</i> art. 07007-XX
--	---

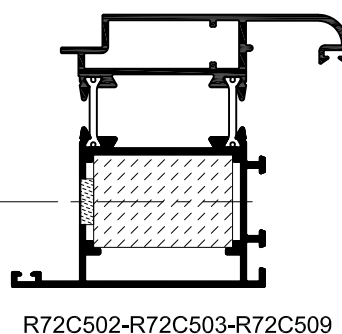
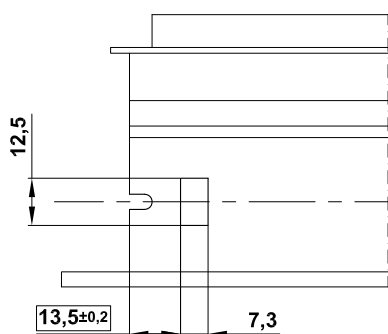
SQUADRETTA D'ANGOLO
CORNER JOINT



ART. : A.5430.AA



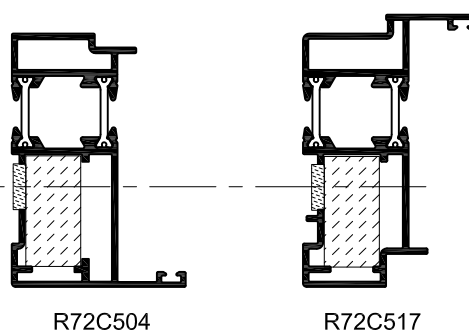
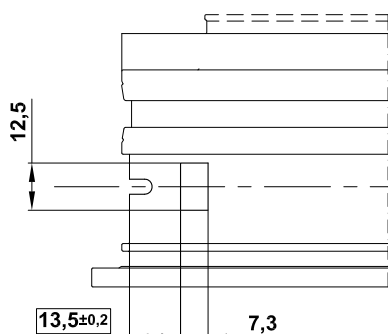
Attrezzatura: PUNZONATRICE
Tooling: PUNCHING MACHINE



ART. : A.5430.AA



Attrezzatura: PUNZONATRICE
Tooling: PUNCHING MACHINE

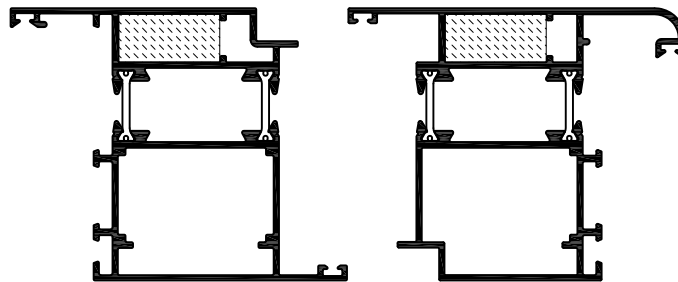
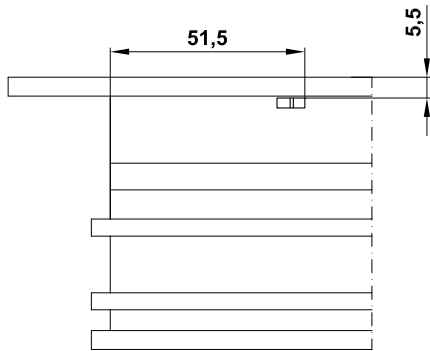


ART. : A.5441.AA



Attrezzatura: PUNZONATRICE
Tooling: PUNCHING MACHINE

SQUADRETTA D'ANGOLO
CORNER JOINT



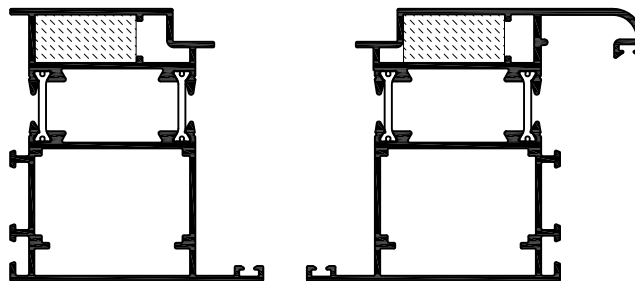
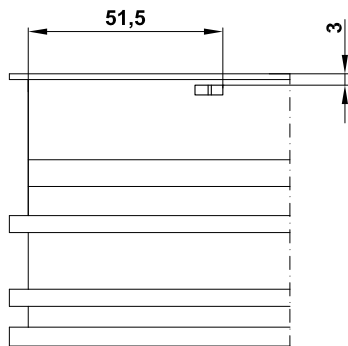
R72C500

R72C502-R72C509

ART. : A.2908.AA



Attrezzatura: **CIANFRINATRICE**
Tooling: **CRIMPING MACHINE**



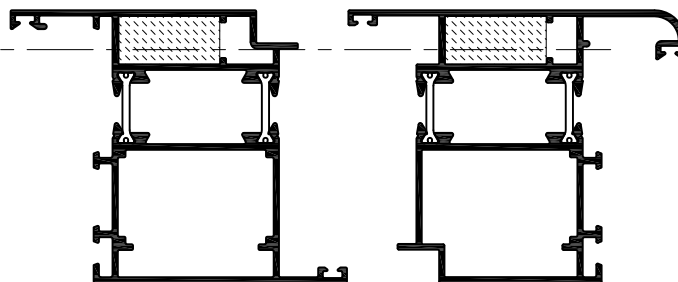
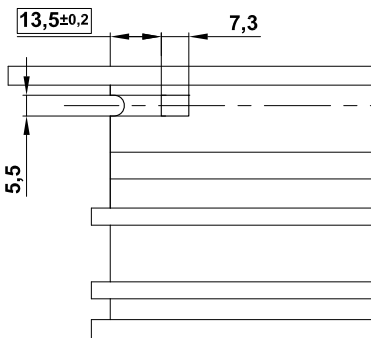
R72C501

R72C503

ART. : A.2908.AA



Attrezzatura: **CIANFRINATRICE**
Tooling: **CRIMPING MACHINE**



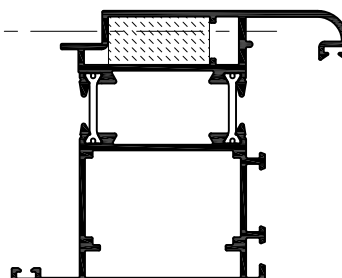
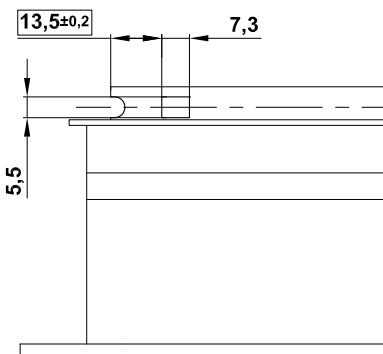
R72C500-R72C501

R72C502-R72C509

ART. : A.2913.AA



Attrezzatura: **PUNZONATRICE**
Tooling: **PUNCHING MACHINE**



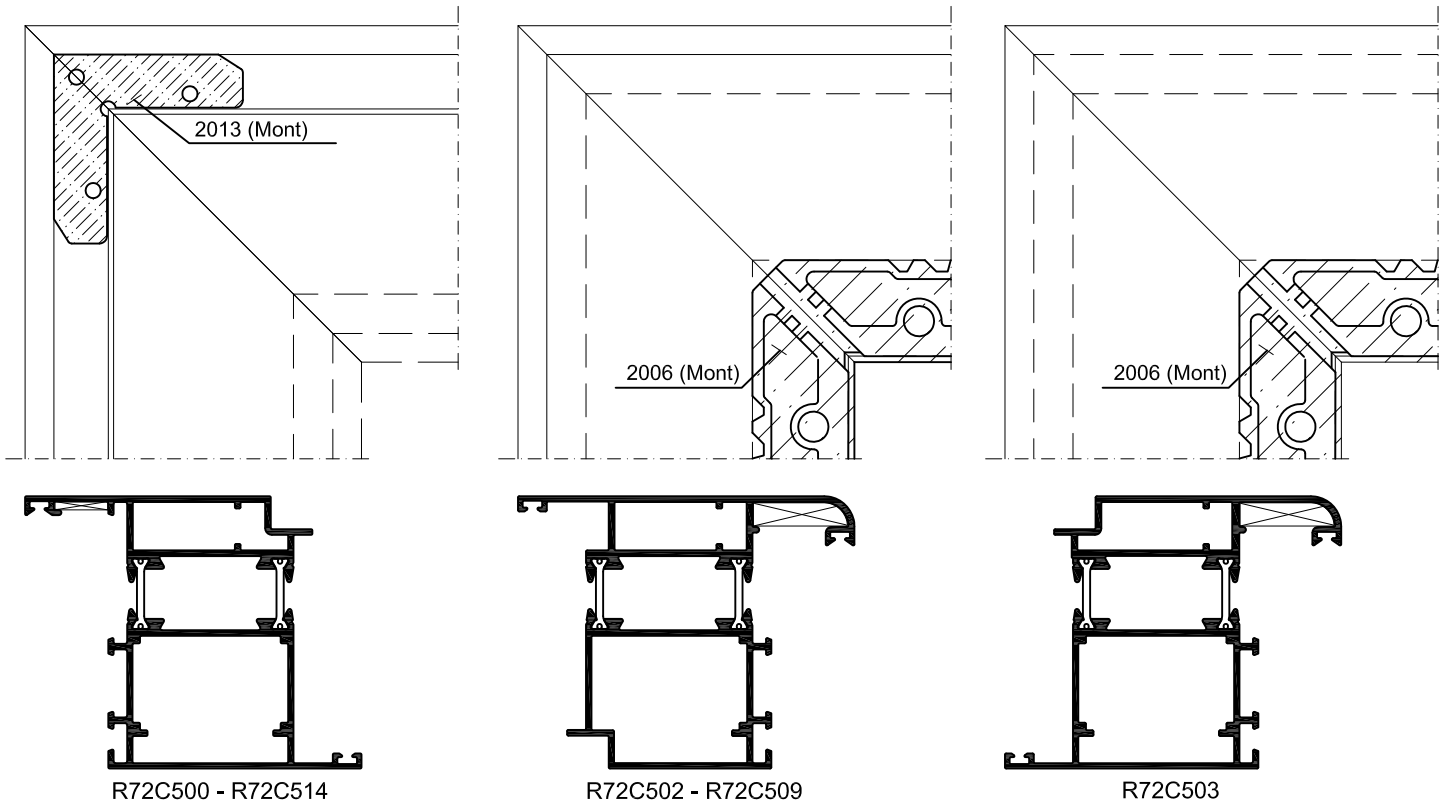
R72C503

ART. : A.2913.AA



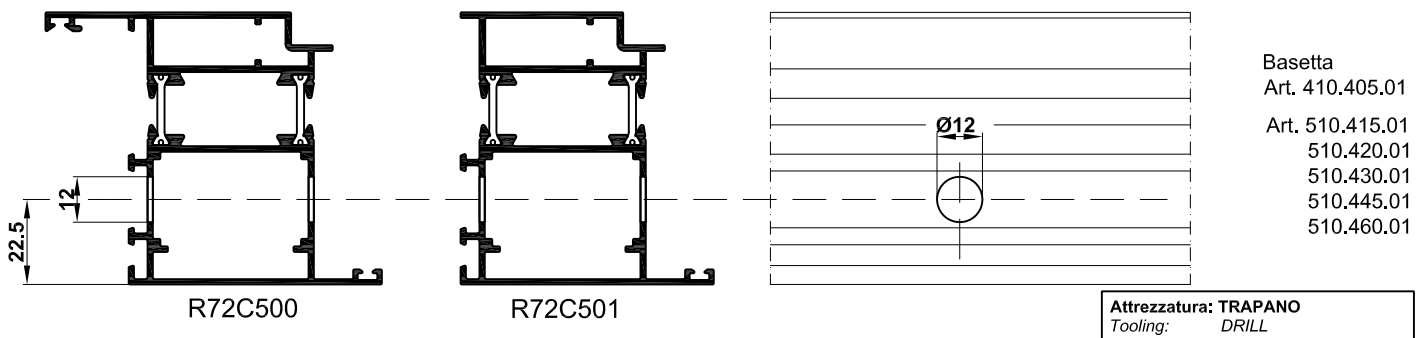
Attrezzatura: **PUNZONATRICE**
Tooling: **PUNCHING MACHINE**

APPLICAZIONE SQUADRETTE DI ALLINEAMENTO
ALIGNMENT CORNER JOINTS APPLICATION



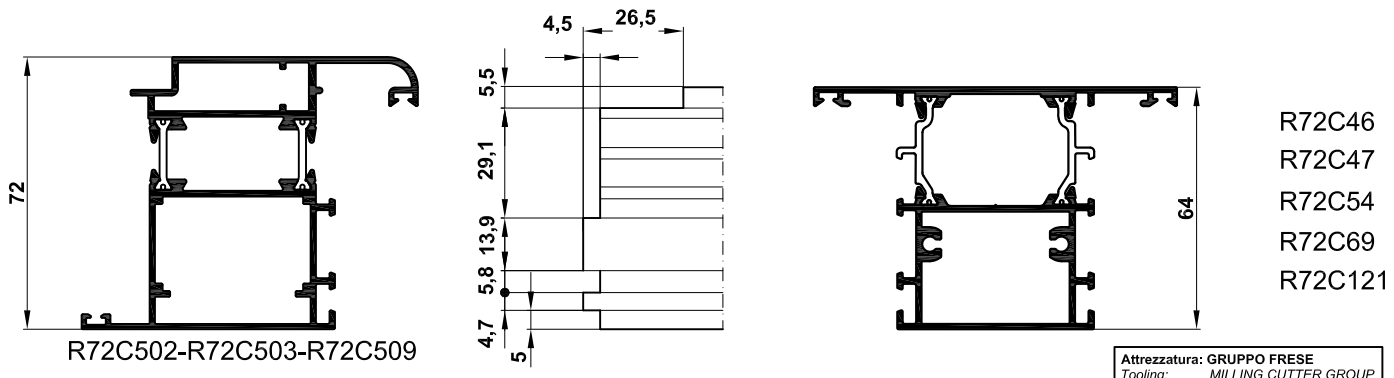
- Le squadrette di allineamento su alette, devono essere incollate con colle per alluminio di tipo epossidico bicomponente o di tipo poliuretano monocomponente
- The alignment corner joint on rabbets, must always be glued with epoxy adhesives for aluminum two-component or polyurethane component type

FORATURA PER REGOLO MOBILE
PUNCHING FOR ADJUSTABLE BLOCK



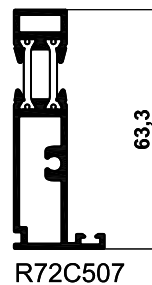
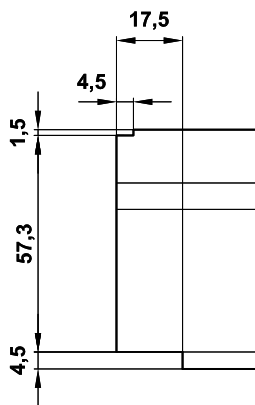
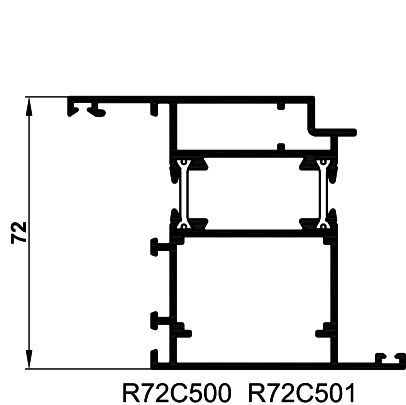
Attrezzatura: TRAPANO
Tooling: DRILL

INTESTATURA FASCE E ZOCOLI
BUTTING HORIZONTAL PANELS - SKIRTING BOARDS

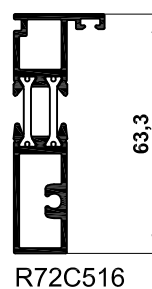
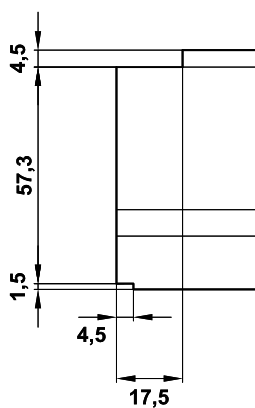
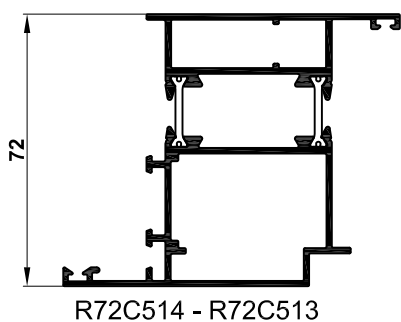


Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

INTESTATURA SOGLIA
BUTTING FRAME SECTIONS

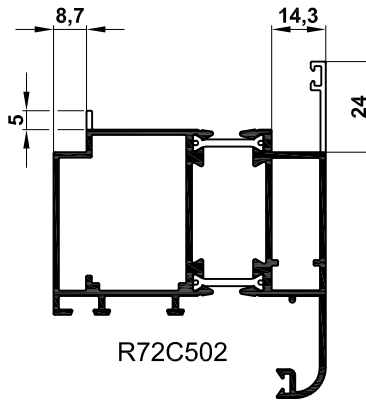
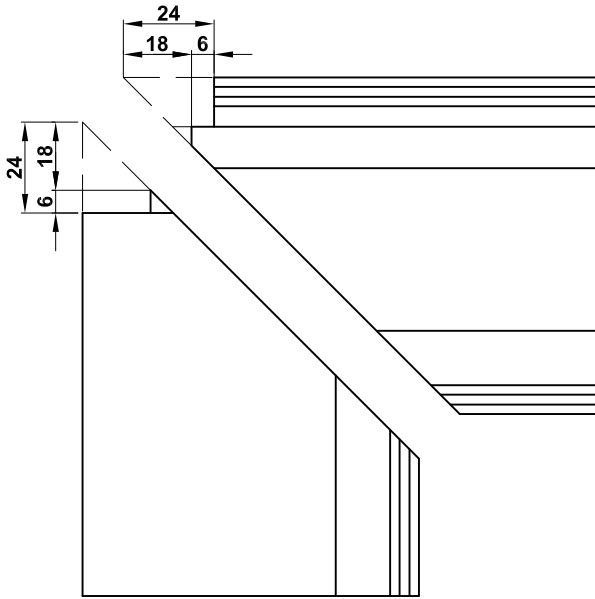


Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

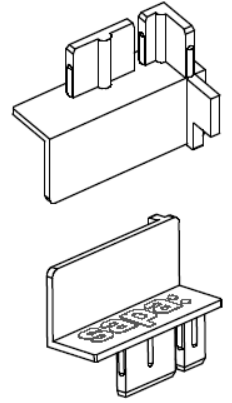


Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

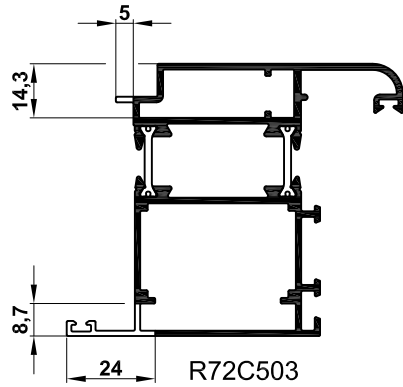
QUOTE DI LAVORAZIONI PROFILATI NODO CENTRALE "T - Z"
QUOTE OF TOOLINGS FOR CENTRAL SOLUTION "T - Z"



R72C502

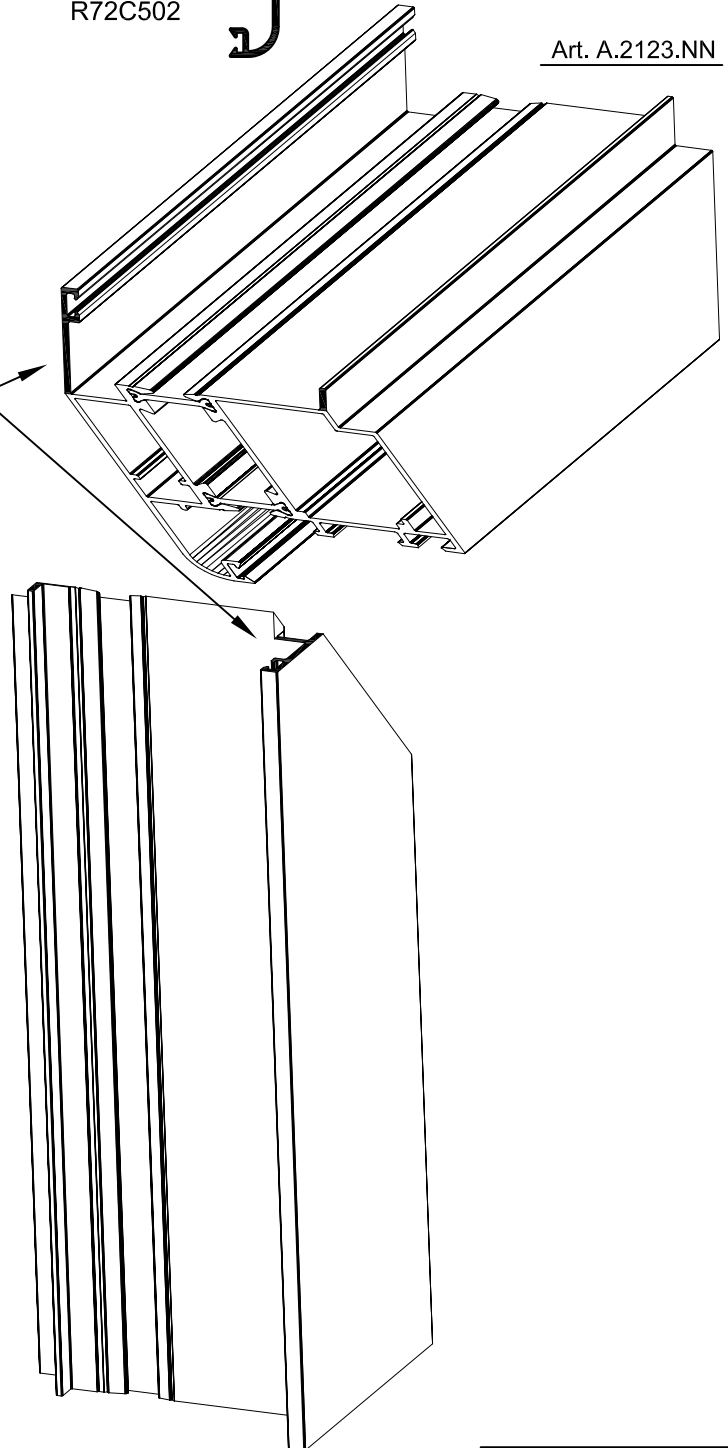


Art. A.2123.NN



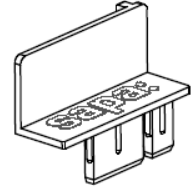
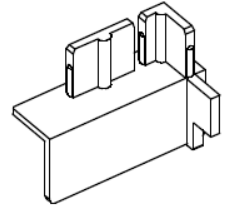
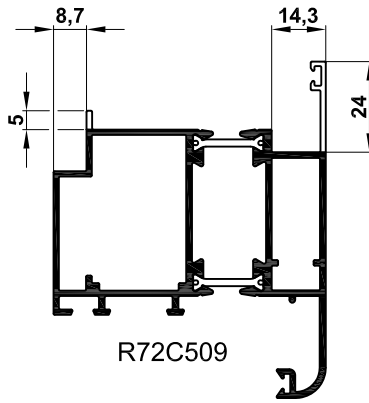
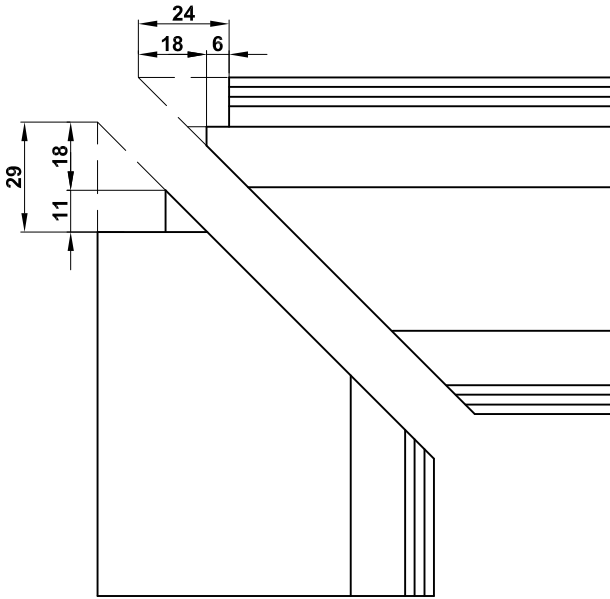
R72C503

Art. A.2123.NN

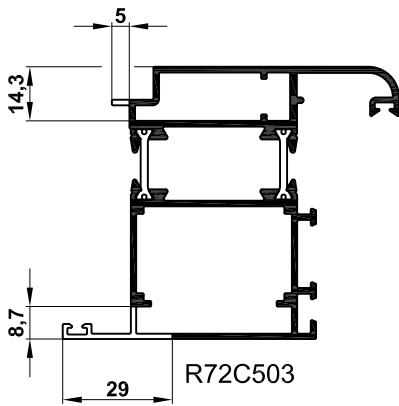


Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

QUOTE DI LAVORAZIONI PROFILATI NODO CENTRALE "T - Z"
QUOTE OF TOOLINGS FOR CENTRAL SOLUTION "T - Z"

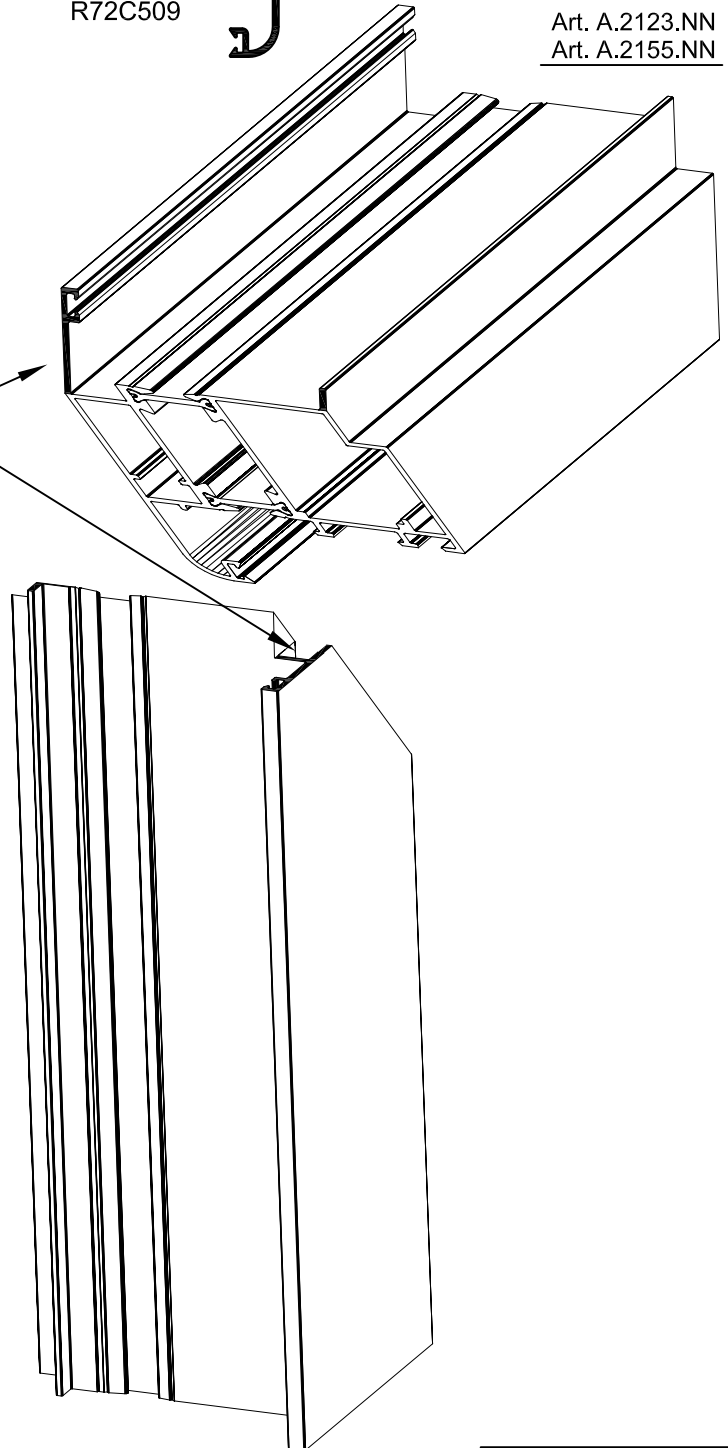


Art. A.2123.NN
Art. A.2155.NN



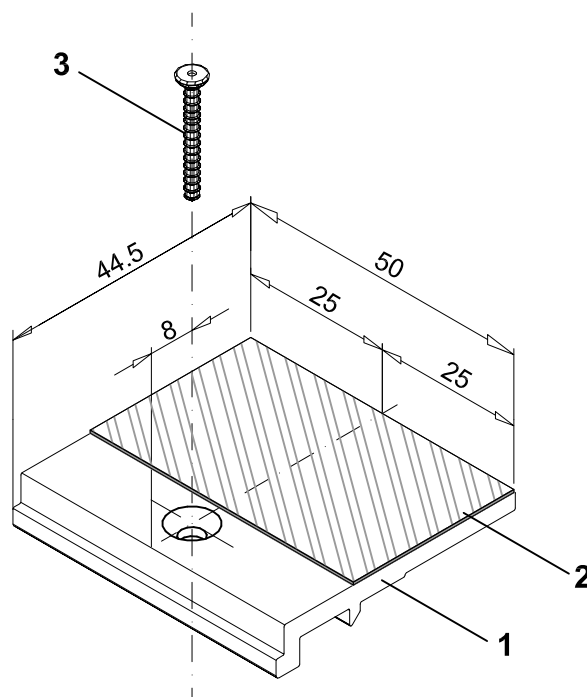
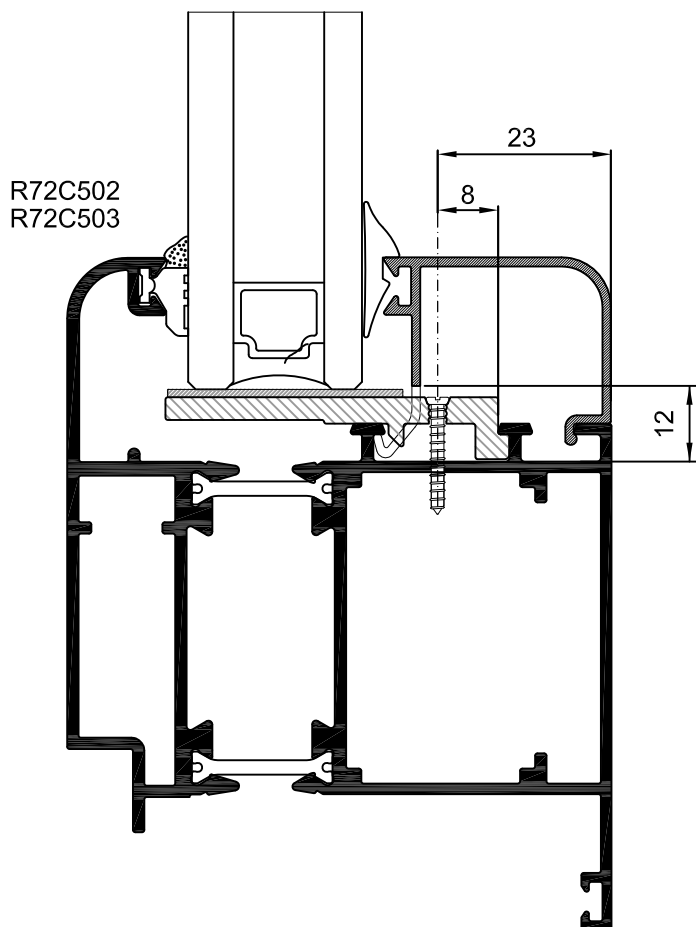
Art. A.2123.NN

Art. A.2155.NN



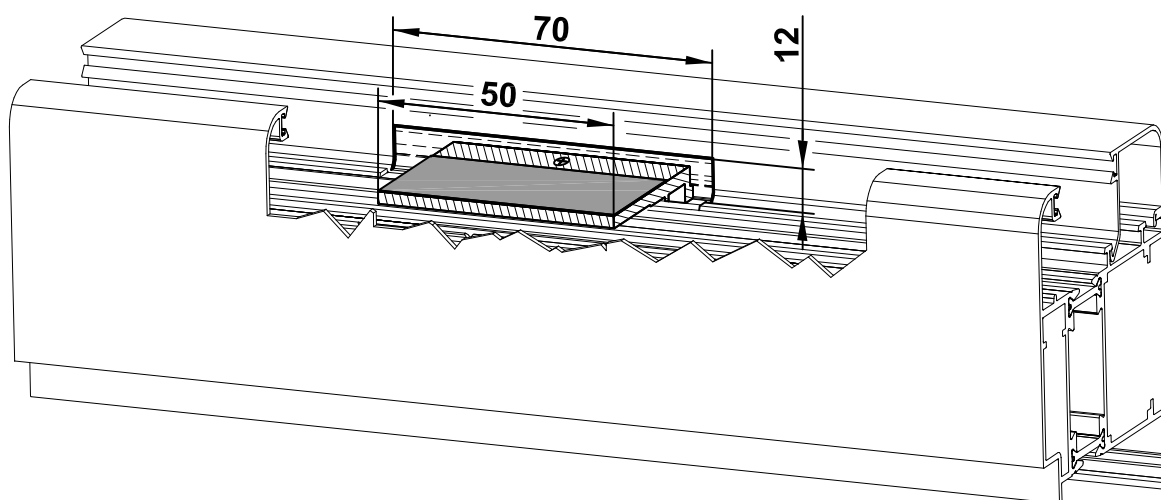
Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

APPOGGIO VETRO (A.2834.AA + A.2005.WN + A.9940.IA)
GLASS SUPPORT (A.2834.AA + A.2005.WN + A.9940.IA)

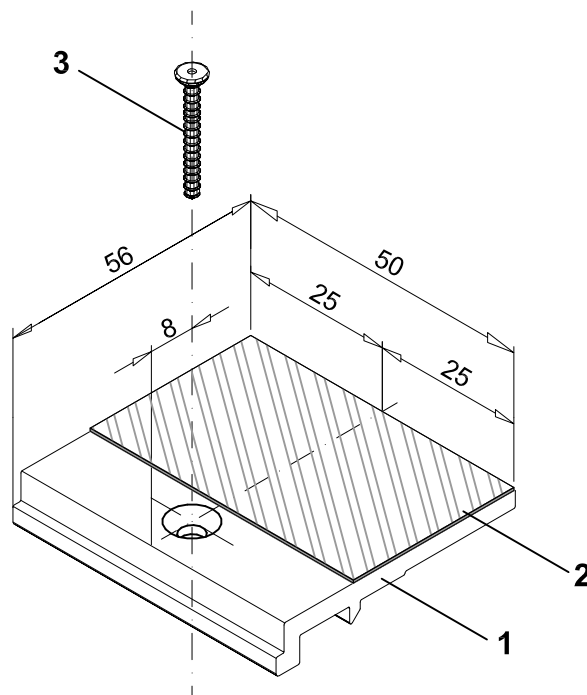
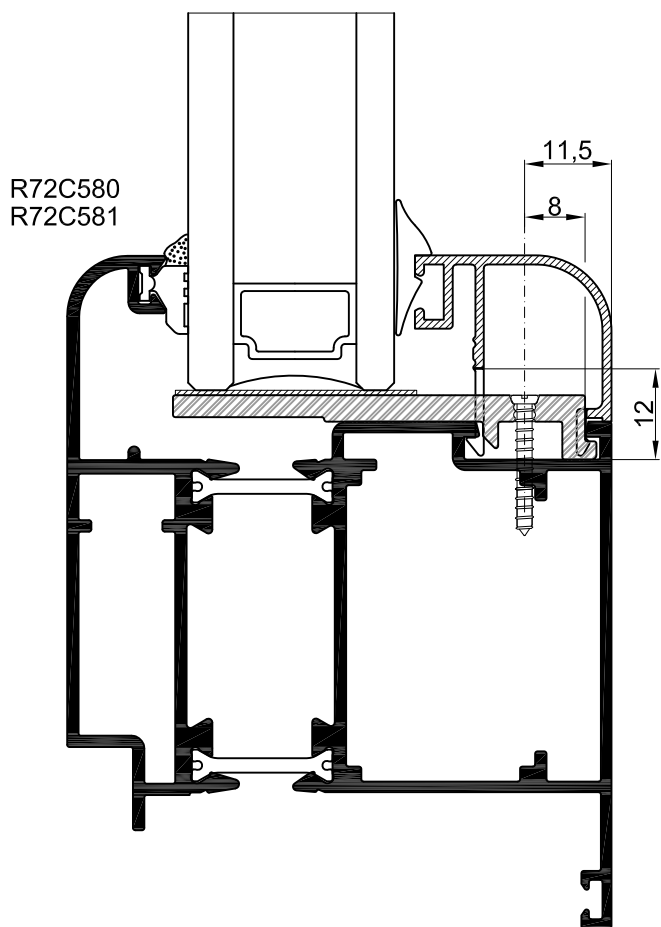


- 1) ART. A.2834.AA
- 2) ART. A.2005.WN
- 3) ART. A.9940.IA

Inserire solo sul traverso inferiore posizionato
come da schema riportato a Pag. F3-P72TT-A-05
Insert only on the transom lower .
Please, see the scheme Pag.F3-P72TT-A-05

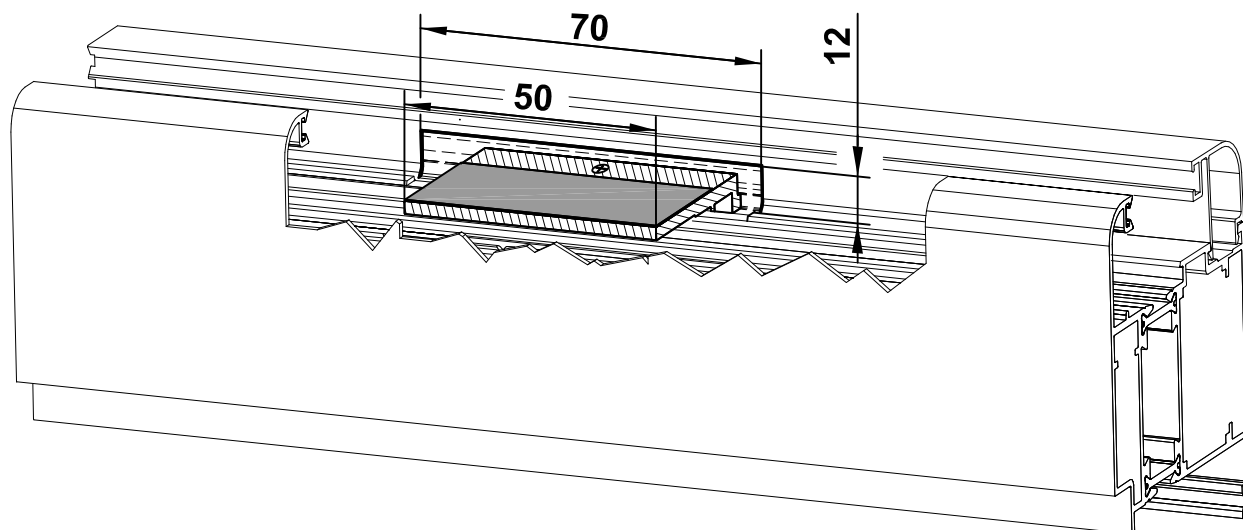


APPOGGIO VETRO (A.2832.AA + A.2005.WN + A.9940.IA)
GLASS SUPPORT (A.2832.AA + A.2005.WN + A.9940.IA)



- 1) ART. A.2832.AA
- 2) ART. A.2005.WN
- 3) ART. A.9940.IA

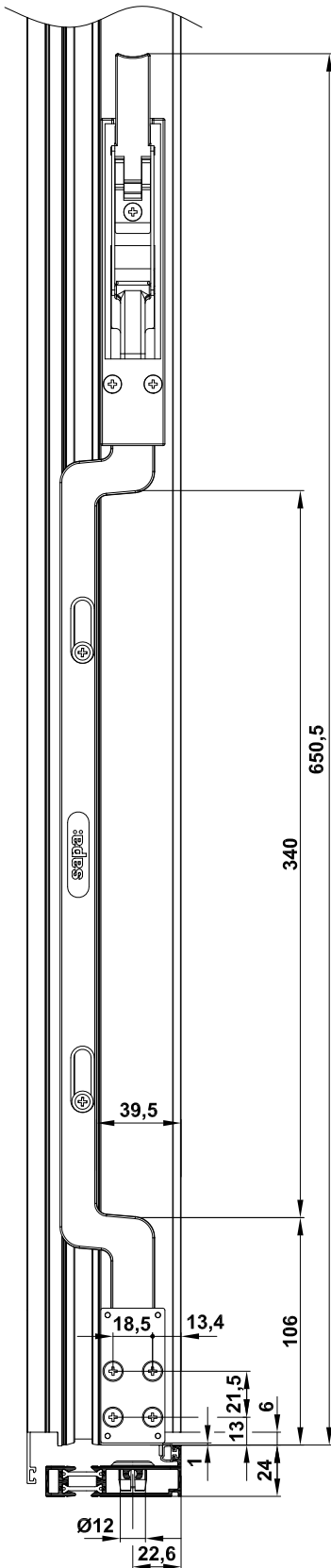
Inserire solo sul traverso inferiore posizionato
come da schema riportato a Pag. F3-P72TT-A-05
Insert only on the transom lower .
Please, see the scheme Pag.F3-P72TT-A-05



LAVORAZIONI CATENACCIO KIT A.4305.BN - APERTURA ESTERNA
PROCESSING LEVEL LATCH KIT A.4305.BN - OUTWARD OPENING

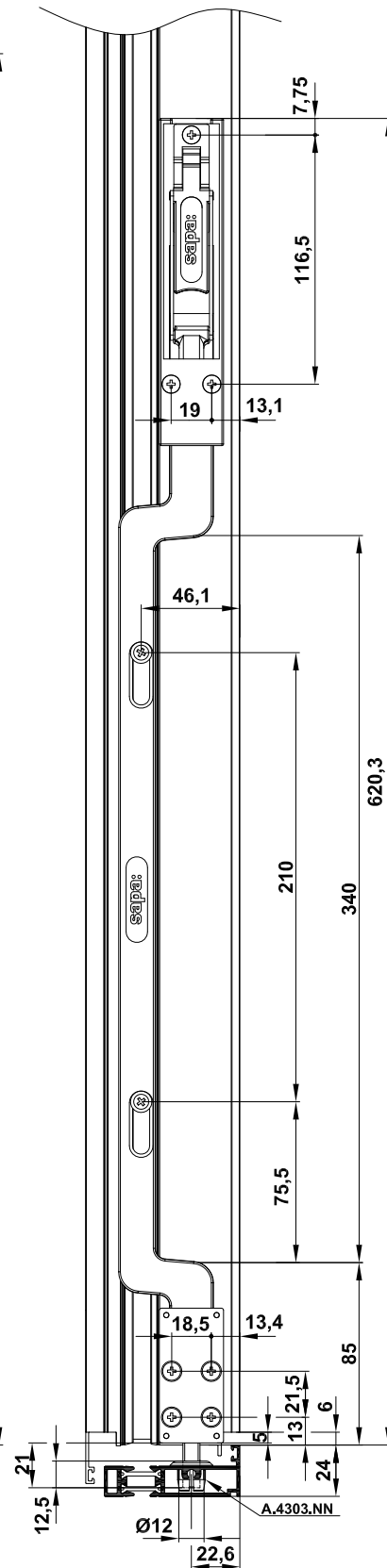
IN POSIZIONE DI
 APERTURA INFERIORE

IN POSITION
 BOTTOM OPENING



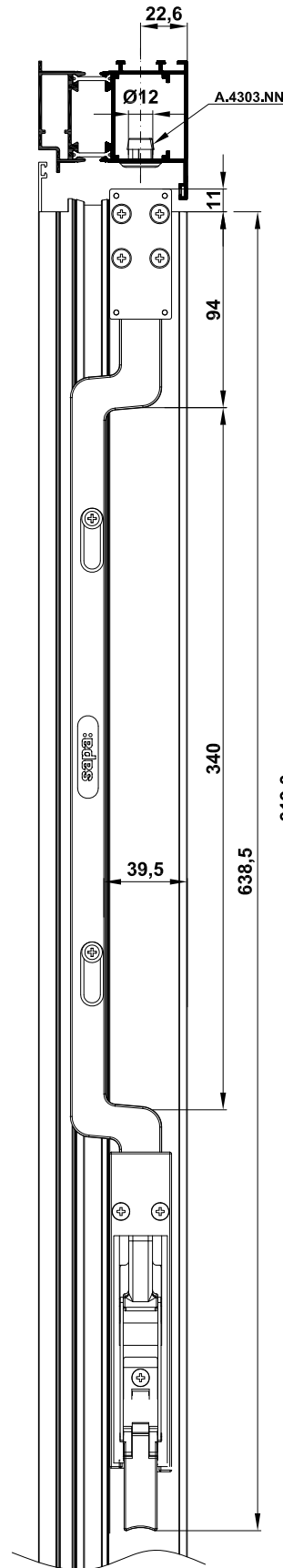
IN POSIZIONE DI
 CHIUSURA INFERIORE

IN POSITION
 LOWER END



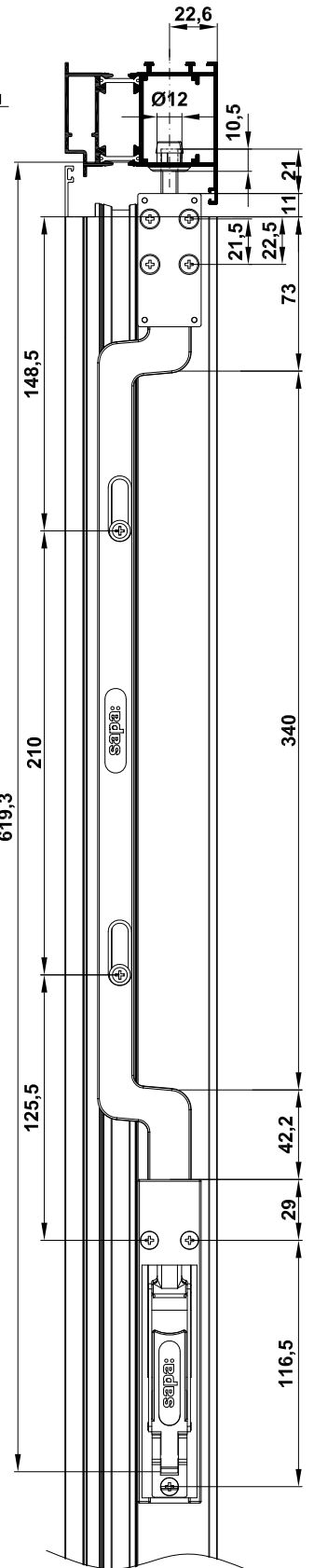
IN POSIZIONE DI
 APERTURA SUPERIORE

IN POSITION
 OPEN TOP



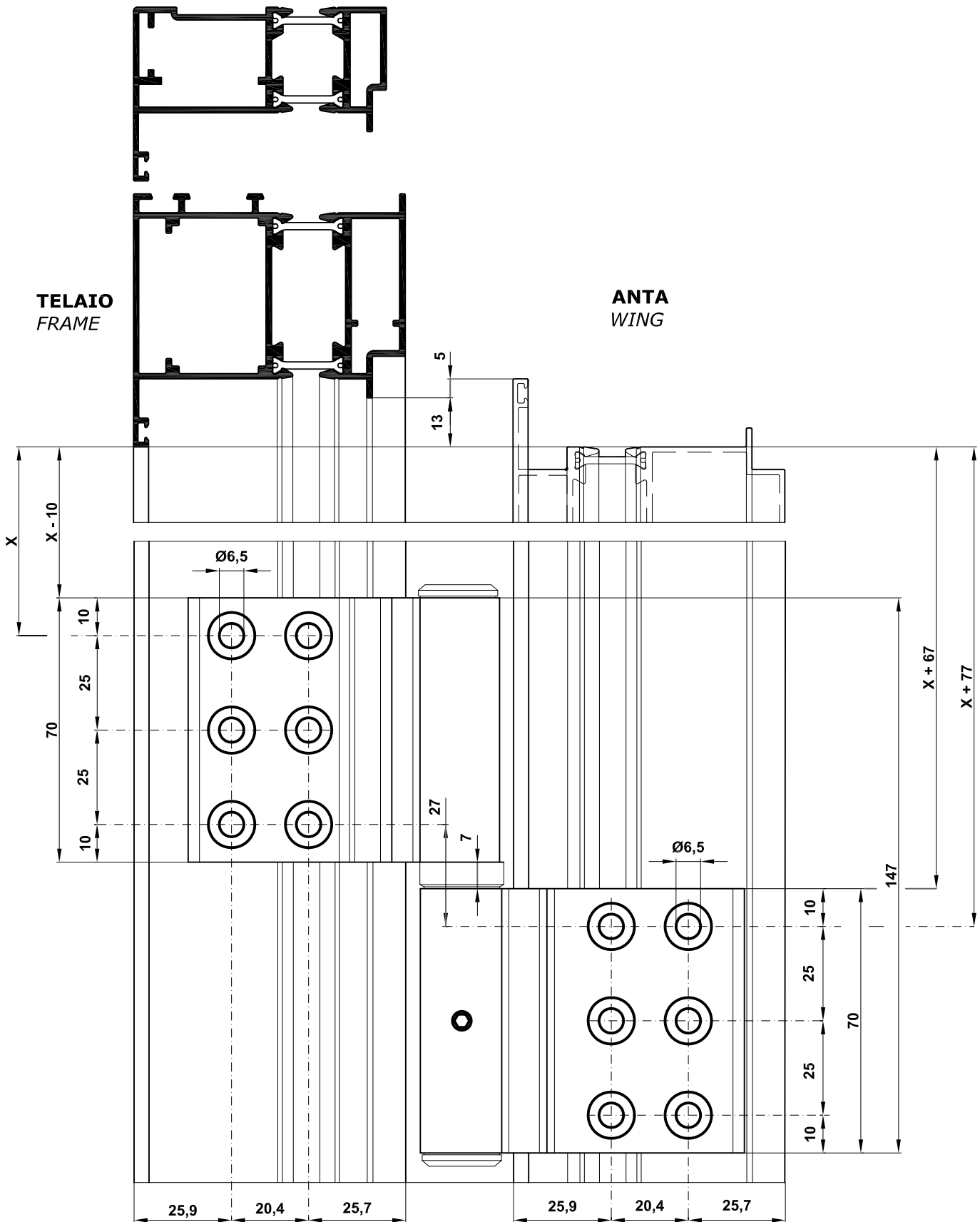
IN POSIZIONE DI
 CHIUSURA SUPERIORE

IN POSITION
 UPPER END

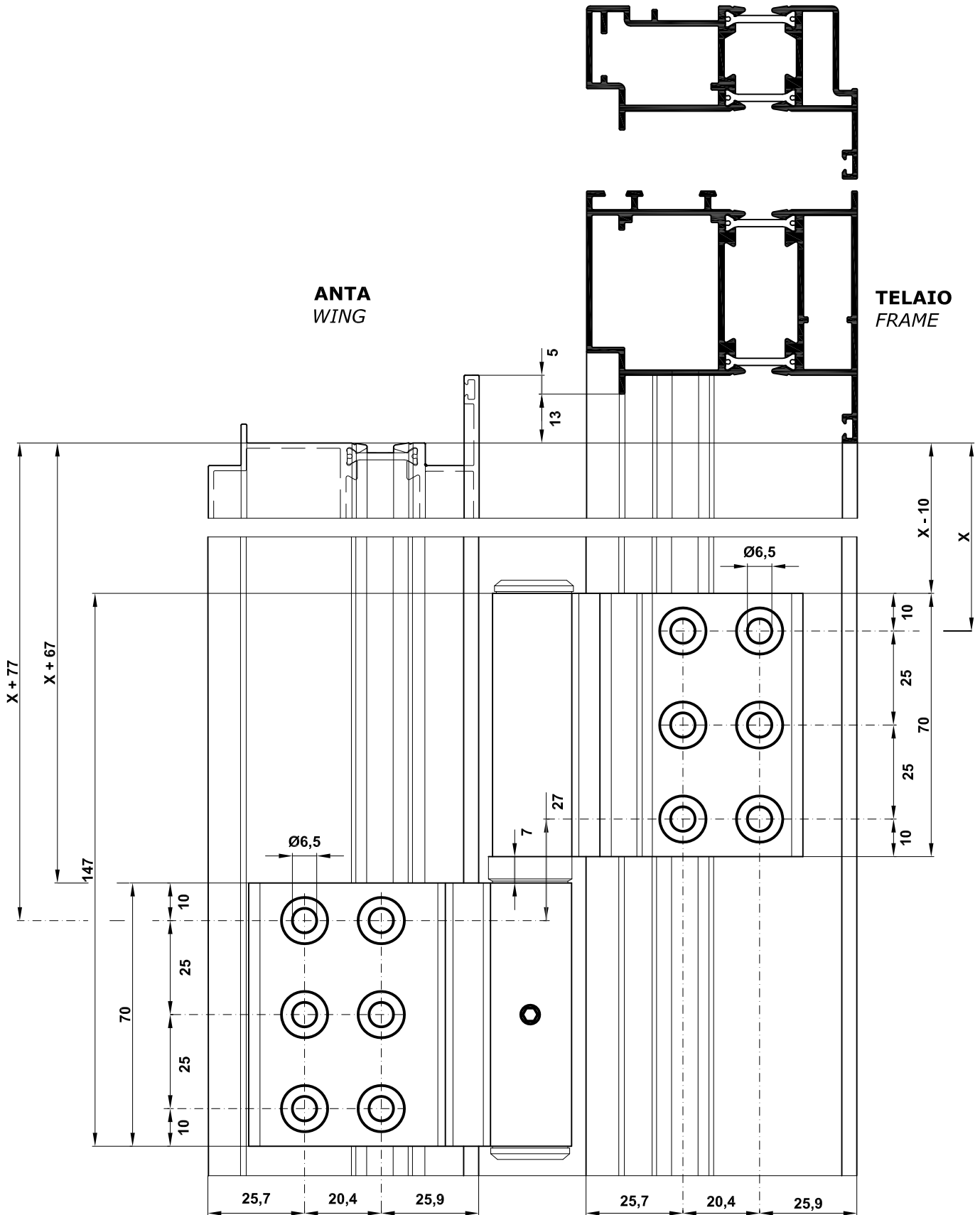


VALIDO ANCHE PER SOLUZIONE APERTURA INTERNA
 TO BE USED ALSO FOR INTERNAL OPENING

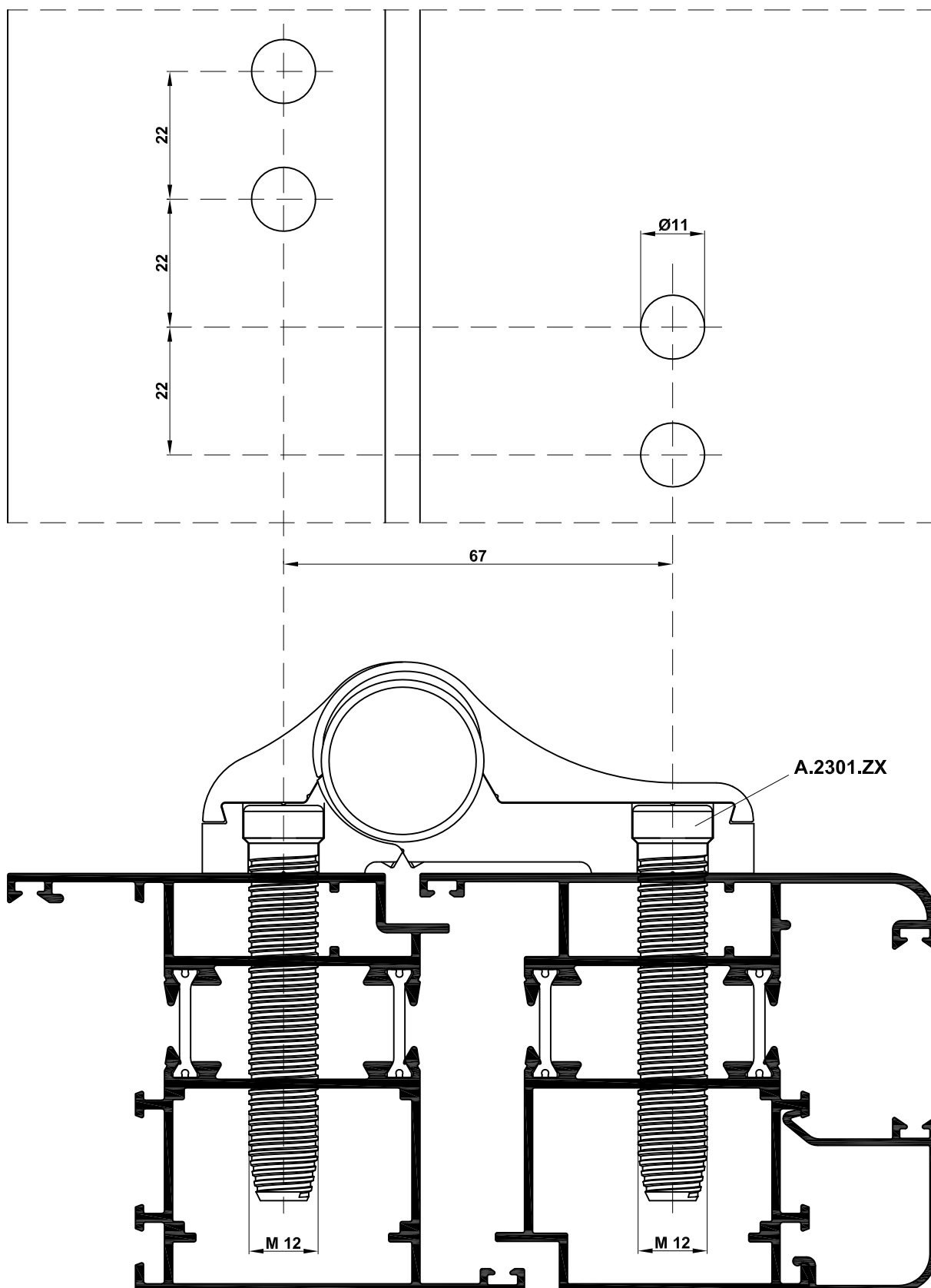
Attrezzatura: TRAPANO
 Tooling: DRILL



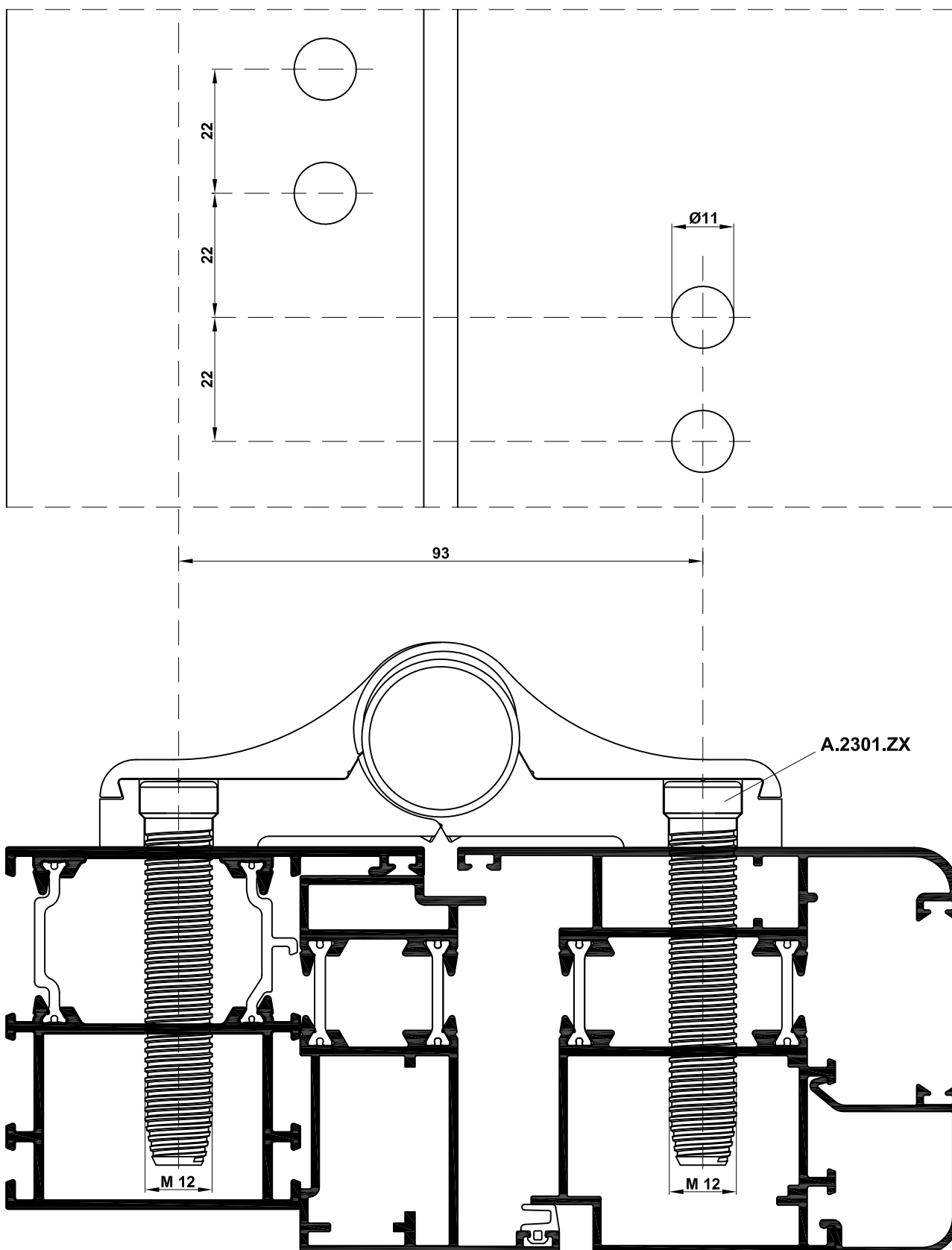
Attrezzatura: TRAPANO
 Tooling: DRILL



Attrezzatura: TRAPANO
 Tooling: DRILL



Attrezzatura: TRAPANO
Tooling: DRILL



Attrezzatura: TRAPANO
Tooling: DRILL