

sapa:

R | 72^{TT 1.3}
SYSTEM

Finestre e porte a battente a taglio termico
Casement windows and doors with thermal break

Il sistema

Il Sistema R a taglio termico è composto da sei serie di profilati:
R50TT, con telaio fisso da 50 mm ed anta mobile da 58 mm
R62TT, con telaio fisso da 54 mm ed anta mobile da 62 mm
R72TT, con telaio fisso da 64 mm ed anta mobile da 72 mm
R72TT1.3, con telaio fisso da 64 mm ed anta mobile da 72 mm
R72TTCE, sistema a "Camera Europea", con telaio fisso da 64mm ed anta mobile da 72mm
R85TT1.0, con telaio fisso da 75 mm ed anta mobile da 83 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-H72-A-09

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 6 a 39 mm per R50TT ; da 10 a 43 mm per R62TT; da 20 a 53 mm per R72TT ed R72TT 1.3; da 14 a 52 per R72TT CE; da 26 a 62 per R85TT 1.0.

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.

Calcolo dimensioni massime serramenti:

Nel definire le misure massime dei diversi tipi di serramento, si devono considerare oltre agli elementi costruttivi dell'infilso (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'infilso, velocità dei venti agenti nella zona, altezza dal suolo alla quale sarà installato l'infilso, ecc.).

Consigliamo a tal fine la consultazione delle prescrizioni Uncsaal.

Attrezzature:

Le attrezzature raccomandate (Comall e Tekna) 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

Sigillature occorrenti:

Tra telaio in alluminio e controtelaio; nella vetratura esterna nell'apposita sede sopra la guarnizione di tenuta; nel tassello nodo centrale prima dell'inserimento nel profilato; nei tagli a 45° telaio ed anta prima di assiemare con squadrette; nelle giunzioni telaio ed anta.

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 is made up of six series of section bars:

R50TT, with 50 mm fixed frame and 58 mm moving shutter

R62TT, with 54 mm fixed frame and 62 mm moving shutter

R72TT, with 64 mm fixed frame and 72 mm moving shutter

R72TT1.3, with 64 mm fixed frame and 72 mm moving shutter

R72TTCE, "European Chamber" system, with 64 mm fixed frame and 72 mm moving shutter

R85TT1.0, with 75 mm fixed frame and 83 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-H72-A-09

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 6 to 39 mm for R50TT; 10 to 43 mm R62TT; 20 to 53 mm for R72TT and R72TT 1.3; 14 to 52 for R72TT CE; 26 to 62 for R85TT 1.0 .

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.

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 and Tekna) 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.

Necessary sealing

Between aluminium frame and subframe; on external side of glass channel; on central node plug before inserting in the profile; in the 45° cut frame and wing before assembly with set square; in the weatherstrips frame and wing.

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 finestra" 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. Gli scarichi dell'acqua e 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 "window 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 water drains and 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 perché 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.

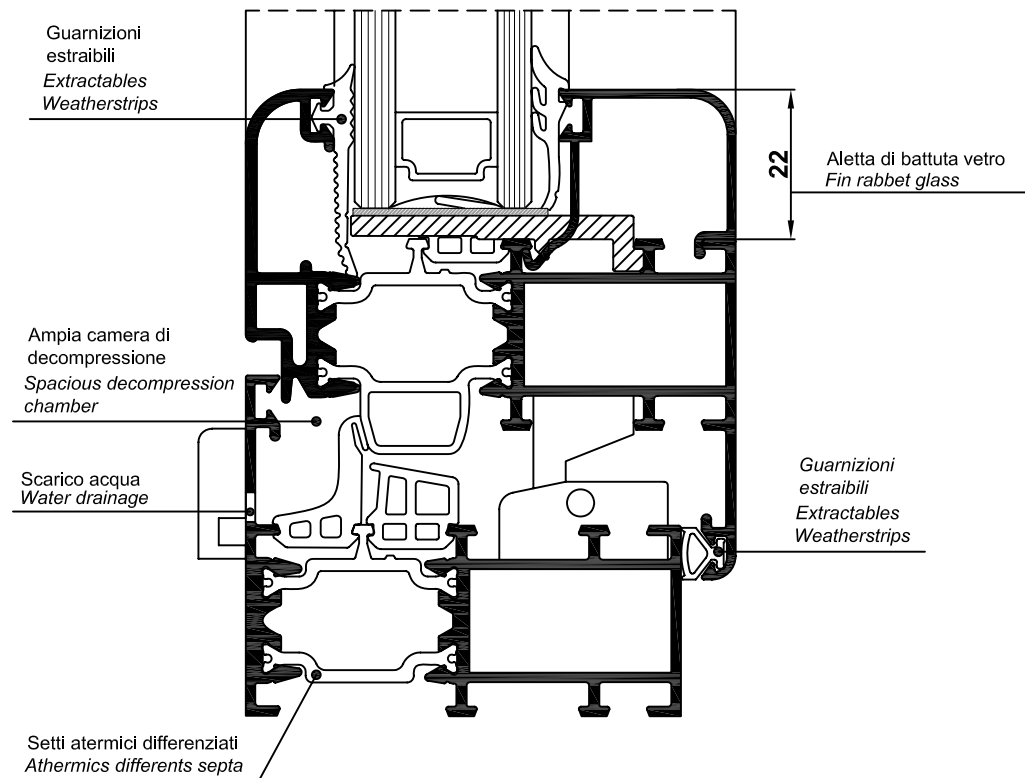
Oggi, per ridurre il problema, si possono adottare accorgimenti da valutare di volta in volta.

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 PACKING

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

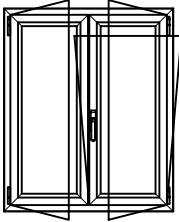
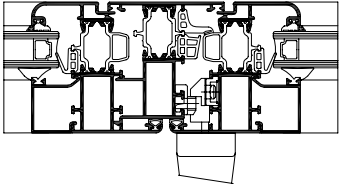
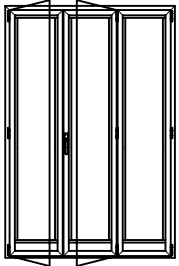
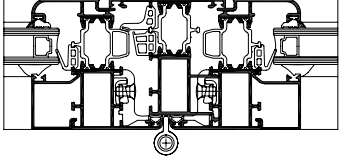
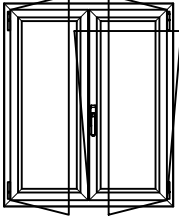
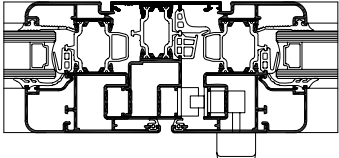
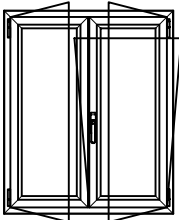
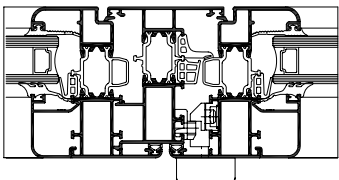
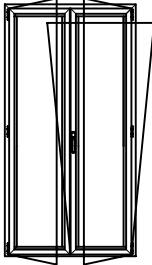
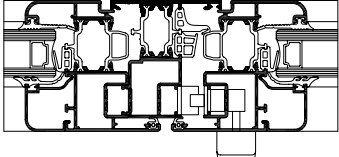
They are original and Sapa marked. Their features are: core in aluminium alloy, pins and screw in stainless steel, bushings and sliding elements are in reinforced polyamide. The packing in EPDM has been conceived in different hardness according to its functions in the fastening.

PRESTAZIONI AGLI AGENTI ATMOSFERICI
ATMOSPHERIC AGENTS PERFORMANCES

R 72^{TT 1.3}
 SYSTEM

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

To guarantee the maximum functionality and wear, RTT 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 1.3} SYSTEM		1544 x 1644	4	E1200	C5		ISTEDIL 0307/2010-D
R 72 ^{TT 1.3} SYSTEM		1844 x 2244	4	E750	C2		ISTEDIL 2098/2010-B
R 72 ^{TT 1.3} SYSTEM		1544 x 1644	4	E1200	C4		ISTEDIL 2098/2010-D
R 72 ^{TT 1.3} SYSTEM		1544 x 1644	4	E1200	C4		ISTEDIL 2098/2010-E
R 72 ^{TT 1.3} SYSTEM		1644 x 2244	4	E900	C3		ISTEDIL 1508/2011-B

- 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

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The sections, accessories and weatherstrips in this catalogue belong to Sapa as sole patentee.

sapa:

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.

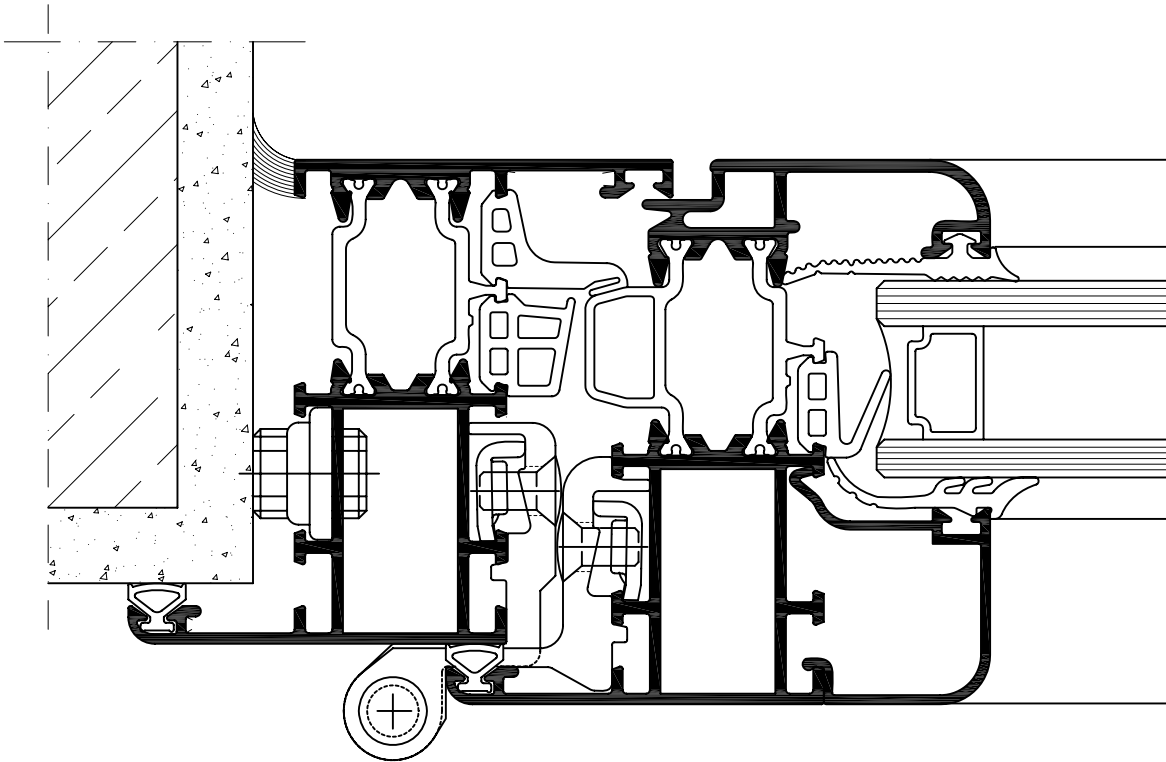
The laser impressed brand is always visible on the assembled sections as you can see in the picture here under



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.

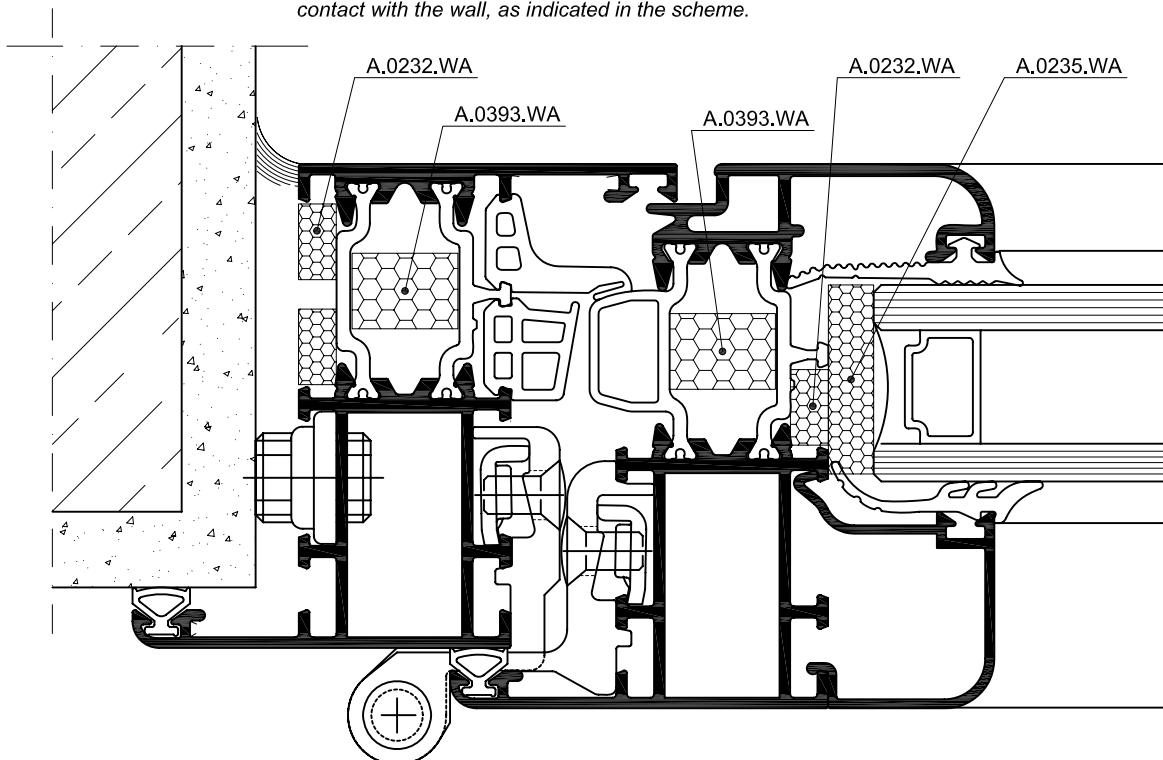
Sapa will not be responsible for any incidental defects due to couplings which have not been carried out in its own premises and/or due to the use of not proper and/or not well-regulated machines.

CONFIGURAZIONE STANDARD
STANDARD CONFIGURATION



CONFIGURAZIONE hp
CONFIGURATION hp

Inserire all'interno delle barrette, sotto il vetro ed a contatto con la muratura, il materiale isolante come indicato nello schema sottostante.
Insert the isolating material in the poliammide bars, under the glass and in contact with the wall, as indicated in the scheme.



"Valido solo per il territorio ITALIANO"

"Applicable only for Italy"

Requisiti della prestazione energetica degli edifici

Decreto legislativo 29 dicembre 2006, n. 311

Disposizioni correttive ed integrative al decreto legislativo 19 agosto 2005, n. 192, recante attuazione alla direttiva 2002/91/CE, relativa al rendimento energetico nell'edilizia.

Stabilisce i valori massimi della trasmittanza termica dei vetri e delle chiusure trasparenti comprensive di vetri e profilati metallici.

Tabella 4a Valori limite della trasmittanza termica U delle chiusure trasparenti comprensive degli infissi espressa in W/m ² K			
Zona climatica	Dall' 1 gennaio 2006 U (W/m ² K)	Dall' 1 gennaio 2008 U (W/m ² K)	Dall' 1 gennaio 2010 U (W/m ² K)
A	5,5	5,0	4,6
B	4,0	3,6	3,0
C	3,3	3,0	2,6
D	3,1	2,8	2,4
E	2,8	2,4	2,2
F	2,4	2,2	2,0

Tabella 4b Valori limite della trasmittanza U dei vetri espressa in W/m ² K			
Zona climatica	Dall' 1 gennaio 2006 U (W/m ² K)	Dall' 1 luglio 2008 U (W/m ² K)	Dall' 1 gennaio 2011 U (W/m ² K)
A	5,0	4,5	3,7
B	4,0	3,4	2,7
C	3,0	2,3	2,1
D	2,6	2,1	1,9
E	2,4	1,9	1,7
F	2,3	1,7	1,3

Il territorio nazionale è suddiviso nelle seguenti zone climatiche in funzione dei gradi-giorno, indipendentemente dalla ubicazione geografica:

Zona A - Comuni che presentano un numero di gradi-giorno non superiore a 600;

Zona B - Comuni che presentano un numero di gradi-giorno maggiore di 600 e non superiore a 900;

Zona C - Comuni che presentano un numero di gradi-giorno maggiore di 900 e non superiore a 1400;

Zona D - Comuni che presentano un numero di gradi-giorno maggiore di 1400 e non superiore a 2100;

Zona E - Comuni che presentano un numero di gradi-giorno maggiore di 2100 e non superiore a 3000;

Zona F - Comuni che presentano un numero di gradi-giorno maggiore di 3000.

I valori di trasmittanza termica U_f sotto riportati sono i risultati di calcolo eseguito secondo la normativa UNI EN ISO 10077-2

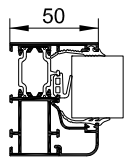
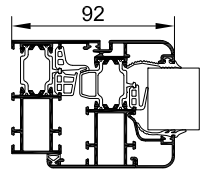
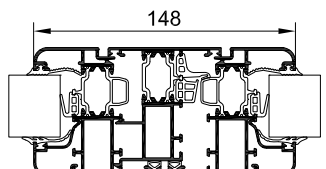
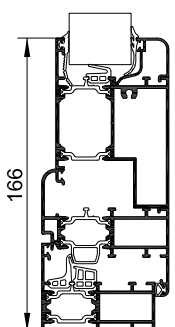
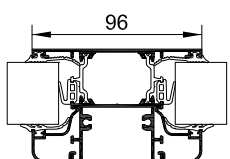
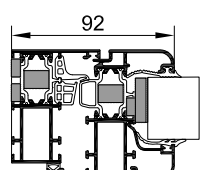
The thermal performance values U_f hereunder reported are calculation results in accordance with the norm UNI EN ISO 10077-2

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°.	Risultati test in camera calda Hot box test values	Laboratorio Certificato N°. Laboratory Certificate Nr°.
			$U_f = W/m^2 \cdot K$	$\epsilon = 0,9$ $\epsilon = 0,3$			
R 72 ^{TT 1.3} SYSTEM		R72C644	2.46	2.24	ISTEDIL N°495/2012-D		
R 72 ^{TT 1.3} SYSTEM		R72C644 R72C642	2.53	2.32	ISTEDIL N°495/2012-E	1.73*	ISTEDIL 71/2010-F
R 72 ^{TT 1.3} SYSTEM		R72C642 R72C643 R72C642	2.55	2.34	ISTEDIL N°495/2012-F	1.82*	ISTEDIL 71/2010-G
R 72 ^{TT 1.3} SYSTEM		R72C644 R72C642 R72C654	2.82	2.56	ISTEDIL N°495/2012-G		
R 72 ^{TT 1.3} SYSTEM		R72C669	2.38	1.95	ISTEDIL N°495/2012-H		
R 72 ^{TT 1.3 hp} SYSTEM		R72C644 R72C642	2.04	2.01	ISTEDIL N°495/2012-I		

* I valori indicati sono stati ottenuti con: profilati verniciati- senza guarnizioni aggiuntive- con guarnizioni vetro senza pinna
The values have been obtained with: -painted profiles-without added weatherstrips -with standard glass weatherstrips

I valori di trasmittanza termica U_f sotto riportati sono i risultati di calcolo eseguito secondo la normativa UNI EN ISO 10077-2

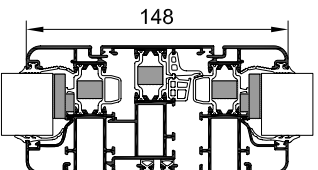
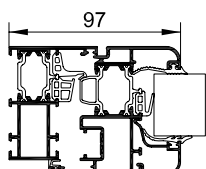
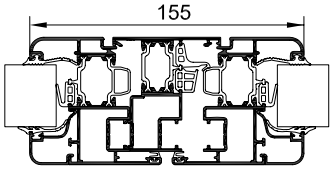
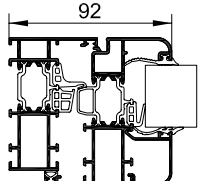
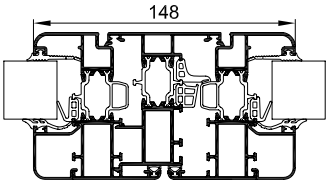
The thermal performance values U_f hereunder reported are calculation results in accordance with the norm UNI EN ISO 10077-2

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°.	Risultati test in camera calda Hot box test values $U_f = W/m^2 \cdot K$	Laboratorio Certificato N°. Laboratory Certificate Nr°.
			$\varepsilon=0.9$	$\varepsilon=0.3$			
R 72 ^{TT 1.3} SYSTEM		R72C642 R72C643 R72C642	2.12	2.08	ISTEDIL N°495/2012-L		
R 72 ^{TT 1.3} SYSTEM		R72C644 R72C728	2.57	2.34	ISTEDIL N°495/2012-M		
R 72 ^{TT 1.3} SYSTEM		R72C728 R72C729 R72C728	2.58	2.36	ISTEDIL N°495/2012-N		
R 72 ^{TT 1.3} SYSTEM		R72C731 R72C736	2.58	2.37	ISTEDIL N°495/2012-O		
R 72 ^{TT 1.3} SYSTEM		R72C736 R72C737 R72C736	2.68	2.48	IRcCOS 1994-CPD-RP0578		

* I valori indicati sono stati ottenuti con: profilati verniciati- senza guarnizioni aggiuntive- con guarnizioni vetro senza pinna
The values have been obtained with: -painted profiles-without added weatherstrips -with standard glass weatherstrips

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
Caratteristiche fisiche <i>Physical Characteristics</i>	Allungamento <i>Elongation</i>	A %	20	16	11	10
	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				



ACCESSORI UNIVERSALI
UNIVERSAL ACCESSORIES

ACCESSORI UNIVERSALI
UNIVERSAL ACCESSORIES

Articolo Item	Immagine Picture	Descrizione Description
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Articolo Item	Immagine Picture	Descrizione Description
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299.703.XX (Alutec)		Cerniera pesante per porta - 3 ali interasse 70 mm 3 wings heavy hinge for door distance between centers mm 70				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

299.602.XX (Alutec)		Cerniera pesante per porta - 2 ali interasse 60 mm. Heavy hinge for door door - 2 wings distance between centers 60 mm				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				


299.702.XX (Alutec)		Cerniera pesante per porta - 2 ali interasse 70 mm 2 wings heavy hinge for door distance between centers mm 70				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				


299.603.XX (Alutec)		Cerniera pesante per porta - 3 ali interasse 60 mm. Heavy hinge for door door - 3 wings distance between centers mm 60				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

299.007.XX (Alutec)		Spessore da 7 mm per cerniere pesanti 7 mm shims for heavy hinges				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				


299.862.XX (Alutec)		Cerniera pesante per porta - 2 ali interasse 86 mm. Heavy hinge for door door - 2 wings distance between centers mm 86				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

299.962.XX (Alutec)		Cerniera pesante per porta - 2 ali interasse 96 mm 2 wings heavy hinge for door distance between centers mm 96				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

299.863.XX (Alutec)		Cerniera pesante per porta - 3 ali interasse 86 mm. Asse di rotazione a 20 mm. Heavy hinge for door door - 3 wings distance between centers mm 86				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

299.963.XX (Alutec)		Cerniera pesante per porta - 3 ali interasse 96 mm 3 wings heavy hinge for door distance between centers mm 96				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

299.086.00 (Alutec)		Albero con losanga per profili da 104 mm □ 8mm Lozenge rod for profiles from mm 104 mm □ 8mm				
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>			R72TT	R72TTCE
		R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

299.008.XX (Alutec)		Spessore da 8 mm per cerniere pesanti. 8 mm shims for heavy hinges.				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

299.026.00 (Alutec)		Kit distanziali da 26 a 42 mm per profili T.T. apertura esterna Kit spacers from mm 26 to 42 for T.B. profiles external opening				
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>			R72TT	
		R72TT				
	R72TT1.3					

CERNIERE E CARDINI
HINGES AND PIVOTS

CERNIERE E CARDINI
HINGES AND PIVOTS


Articolo Item	Immagine Picture	Descrizione Description	Articolo Item	Immagine Picture	Descrizione Description												
401.024.XX (Alutec)		Cerniera STOPPER portata max 100 Kg Hinge STOPPER capacity max kg 100	501.340.XX (Alutec)		Cerniera sfilabile per 3a anta da 50 mm. Slip-off 3rd leaf hinge mm 50												
		<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			<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															
R50TT	R62TT	R72TT															
	R72TT1.3	R85TT1.0															
401.124.XX (Alutec)		Cerniera STOPPER 3a anta portata max 100 Kg Hinge STOPPER 3rd leaf capacity max kg 100	501.342.XX (Alutec)		Cerniera sfilabile maggiorata con contropietra in acciaio inox. Slip-off oversized hinge with stainless steel counterplate.												
		<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			<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															
R50TT	R62TT	R72TT															
	R72TT1.3	R85TT1.0															
501.013.55 (Alutec)		Rondella spessoramento cerniere sfilabili. Spacing washer for slip off hinges.	501.349.XX (Alutec)		Cerniera sfilabile su profili complanari I.E. monoblocco a cinghia da 40 mm Slip-off hinge on coplanar profile I.E. beltshutter winding system mm 40												
		<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			<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															
R50TT	R62TT	R72TT															
	R72TT1.3	R85TT1.0															
401.002.XX (Alutec)		Cerniera sfilabile con contropietra in acciaio inox. Slip-off hinge with stainless steel counterplate.	501.370.XX (Alutec)		Cerniera a pettine a 5 ali Special 5 wings hing												
		<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			<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															
R50TT	R62TT	R72TT															
	R72TT1.3	R85TT1.0															
501.240.XX (Alutec)		Cerniera sfilabile 3a anta con contropietra in acciaio inox. Slip-off hinge 3rd leaf with stainless steel counterplate.															
		<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															
501.310.XX (Alutec)		Cerniera a pettine Special hinge															
		<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															
501.330.XX (Alutec)		Cerniera sfilabile da 50 mm. Slip-off hinge mm 50															
		<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															


SQUADRETTE D'ANGOLO
CORNER JOINTS


SQUADRETTE D'ANGOLO
CORNER JOINTS


Articolo Item	Immagine Picture	Descrizione Description
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Articolo Item	Immagine Picture	Descrizione Description
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A.2919.NN		Squadretta d'allineamento in nylon su aletta. <i>Nylon alignment corner joint on fin.</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

A.3102.AA		Squadretta d'allineamento profilati mostra <i>Alignment corner joint profiles cornice</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				


A.2920.NN		Squadretta d'allineamento in nylon per profili coplanari ed arrotondati. <i>Nylon alignment corner joint for coplanar and rounded profiles.</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

A.4411.AA		Squadretta in alluminio estruso per tubolarità 10,4x42 <i>Extruded aluminium corner joint piping 10,4x42</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

A.5624.AA		Squadretta d'allineamento a cianfrinare in alluminio per tubolarità 27x6.8 <i>Aluminium alignment corner joint for caulking for piping 27x6.8</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				


A.5411.AA		Squadretta in alluminio estruso per tubolarità 15 x 25 <i>Extruded aluminium corner joint piping 15 x 25</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				


A.5662.AA		Squadretta a cianfrinare per profili con tubolarità 6,7x7,5 <i>Crimped corner joint for profiles piping 6.7x7.5</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

A.5429.AA		Squadretta in alluminio estruso per profili maggiorati 38.8x29.2 <i>Extruded aluminium corner joint for oversized profiles piping 38.8x29.2</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				


2020 (Monticelli)		Squadretta d'allineamento aletta esterna "FUJI" <i>Alignment corner joint for external rabbet "FUJI"</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

A.5441.AA		Squadretta in alluminio estruso con inserto unificato per tubolarità 15x29,2 <i>Extruded aluminium corner joint with unified ins. piping 15x29.2</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				


2006 (Monticelli)		Squadretta d'allineamento profilati coplanari "FUJI" <i>Alignment corner joint profiles coplanarities "FUJI"</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				



A.2921.AA		Squadretta esterna a cianfrinare per tubolarità 16,8x7 <i>External corner joint for crimped 16,8x7</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				


2013 (Monticelli)		Squadretta d'allineamento aletta interna "FUJI" <i>Alignment corner joint for internal rabbet "FUJI"</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

A.2906.AA		Squadretta a cianfrinare per profili con tubolarità 15x29,5mm <i>Crimped corner joint for profiles piping 15x29,5mm</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

5033 (Monticelli)		Squadretta d'angolo interno profilato R72C704 <i>Corner joint for internal profile R72C704</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT	R72TT	
R50TT	R62TT	R72TT				
	R72TT1.3					

A.2915.AA		Squadretta d'angolo per profilato R72C115 (tubolarità 15x24,7) <i>Corner joint for profile R72C115 (piping mm 15x24,7)</i>				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT	R72TT	
R50TT	R62TT	R72TT				
	R72TT1.3					

VILM 5x14_D8 (Monticelli)		Vite per squadrette 5033,5043,5034 <i>Screw for corner joint 5033,5043,5034</i>				
VILM 5x14_0088 (Monticelli)		Spina per squadrette 5043,5034 <i>Pinned for corner joint 5043,5034</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				

0496 (Monticelli)		Squadretta d'angolo per profilato R72C748 tubolarità 35,9x29,1 <i>Corner joint for profile R72C748 piping mm 35,9x29,1</i>				
		<table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td></td> </tr> </table>				R72TTCE
R72TTCE	R72TT1.3					

SQUADRETTE D'ANGOLO
CORNER JOINTS

Articolo Item	Immagine Picture	Descrizione Description
0409 (Monticelli)		Squadretta in alluminio estruso tubolarità 15x29,1 <i>Extruded aluminium corner joint. piping 15x29,1</i>
		R72TTCE R72TT1.3
A.2911.AA		Squadretta esterna ad avvitare tubolarità 15,4x10,4 <i>External corner joint to be screw 15,4x10,4</i>
		R72TT1.3
A.2914.AA		Squadretta esterna per tubolarità 39,2x10,4 <i>External corner joint to 39,2x10,4</i>
		R72TT1.3
2021 (Monticelli)		Squadretta d'allineamento aletta "FUJI" <i>Alignment corner joint for rabbet "FUJI"</i>
		R72TTCE R72TT1.3
A.2910.AA		Squadretta esterna a cianfrinare e spinare per tubolarità 12x7,5 <i>External corner joint for piping and crimped 12x7,5</i>
		R72TTCE R72TT1.3
A.2912.AA		Squadretta esterna a cianfrinare tubolarità 15,4x10,4 <i>External corner joint to be crimped 15,4x10,4</i>
		R72TT1.3
A.3103.ZA		Squadretta allineamento aletta anta soluzione ferramenta perimetrale <i>Alignment corner joint for rabbet wing perimetral fitting solution</i>
		R72TTCE R72TT1.3
0092 (Monticelli)		Spina in acciaio inox per squadrette <i>Pinned stainless to corner joints</i>
		R50TT R62TT R72TT R72TTCE R72TT1.3 R85TT1.0
0133 (Monticelli)		Squadretta a cianfrinare, spinare e avvitare per profili con tubolarità 6,7x7,5mm <i>Corner joint for piping, crimped and screw to profiles 6,7x7,5mm</i>
		R50TT R62TT R72TT R72TTCE R72TT1.3 R85TT1.0

SQUADRETTE D'ANGOLO
CORNER JOINTS

Articolo Item	Immagine Picture	Descrizione Description
5043 (Monticelli)		Squadretta in alluminio estruso a cianfrinare, spinare e avvitare per profili maggiorati 38,8x29,2mm <i>Extruded aluminium corner joint for piping, crimped and screw to profiles 38,8x29,2mm</i>
		R50TT R62TT R72TT R72TT1.3 R85TT1.0
5034 (Monticelli)		Squadretta in alluminio estruso a cianfrinare, spinare e avvitare con inserto unificato per tubolarità 15x29,2mm <i>Extruded aluminium corner joint for piping, crimped and screw to profiles 15x29,2mm</i>
		R50TT R62TT R72TT R72TT1.3 R85TT1.0

GIUNTI
JOINTS

Articolo Item	Immagine Picture	Descrizione Description
A.3204.ZA		Cavallo di giunzione telai-traversi. <i>Tjoint for frames and transoms</i>
		R50TT R62TT R72TT R72TTCE R72TT1.3 R85TT1.0
A.3205.NN		Giunto per tubolari esterni <i>Joint for external tubular</i>
		R72TT1.3
A.3206.NN		Giunto per tubolari esterni maggiorati <i>Joint for external big tubular</i>
		R72TT1.3
505.267.01 (Alutec)		Giunto in alluminio estruso. <i>Extruded aluminium joint.</i>
		R50TT R62TT R72TT R72TT1.3 R85TT1.0

MANIGLIE, CREMONESI, ETC.
HANDLES, CREMONE BOLTS, ETC.

MANIGLIE, CREMONESI, ETC.
HANDLES, CREMONE BOLTS, ETC.

Articolo Item	Immagine Picture	Descrizione Description
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Articolo Item	Immagine Picture	Descrizione Description
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A.4003.ZX.(xx)		Cremonese reversibile per aperture interne interasse 84-100 <i>Reversible cremone bolt for internal opening distance between centers 84-100</i>	R50TT	R62TT	R72TT
				R72TT1.3	R85TT1.0


A.4011.ZX.(xx)		Cremonese reversibile con chiave per anta ribalta interasse 84-100 <i>Reversible cremone bolt with key for tilt and turn distance between centers 84-100</i>	R50TT	R62TT	R72TT
				R72TT1.3	R85TT1.0

A.4004.ZX.(xx)		Cremonese reversibile per anta ribalta interasse 84-100 <i>Reversible cremone bolt for tilt and turn distance between centers 84-100</i>	R50TT	R62TT	R72TT
				R72TT1.3	R85TT1.0

503.463.XX (Alutec)		Maniglia a tavellino VELA reversibile, per apertura esterna con battuta 8 mm, manico smontabile e meccanismo a scatto a 90° <i>VELA flat catch, reversible, for external opening with mm 8 rabbet and removable handle and snap mechanism at 90°</i>	R50TT	R62TT	R72TT
				R72TTCE	R85TT1.0


A.4005.ZX.(xx)		Cremonese reversibile con chiave per apertura interna interasse 84-100 <i>Reversible cremone bolt with key for internal opening distance between centers 84-100</i>	R50TT	R62TT	R72TT
				R72TT1.3	R85TT1.0


503.464.XX (Alutec)		Maniglia a tavellino VELA reversibile, per apertura esterna con battuta 8 mm, manico smontabile e meccanismo a scatto a 90°. Manico in zama <i>VELA flat catch, reversible, for external opening with mm 8 rabbet and removable handle and snap mechanism at 90°. Zamak handle</i>	R50TT	R62TT	R72TT
				R72TTCE	R85TT1.0

A.4006.ZX.(xx)		Cremonese reversibile per apertura esterna interasse 104-108 <i>Reversible cremone bolt for external opening distance between centers 104-108</i>	R50TT	R62TT	R72TT
				R72TT1.3	R85TT1.0

503.963.XX (Alutec)		Maniglia a tavellino linea "600" per sporgere e bilico. <i>"600" flatcatch handle for projecting and pivoting windows.</i>	R50TT	R62TT	R72TT
				R72TT1.3	R85TT1.0

A.4008.ZX.(xx)		Cremonese reversibile aperture interne senza manico interasse 84-100. <i>Reversible cremone bolt without handle for internal opening distance between centers 84-100</i>	R50TT	R62TT	R72TT
				R72TT1.3	R85TT1.0

280.002.XX (Alutec)		Cricchetto universale UNIV. carter, gancio e riscontro in alluminio, particolari di scorrimento in nylon caricato <i>Universal spring latch aluminium carter, hook and striker, nylon sliding parts</i>	R50TT	R62TT	R72TT
				R72TTCE	R85TT1.0

A.4009.ZX.(xx)		Cremonese reversibile per anta ribalta interasse 84-100 senza manico <i>Reversible cremone bolt for tilt and turn without handle distance between centers 84-100</i>	R50TT	R62TT	R72TT
				R72TT1.3	R85TT1.0


503.641.XX (Alutec)		Chiusura a cricchetto regolabile per vasistas <i>Adjustable spring catch for hopper windows</i>	R50TT	R62TT	R72TT
				R72TT1.3	R85TT1.0


A.4010.ZN		Manico estraibile per cremone <i>Detachable handle cremone bolt</i>	R50TT	R62TT	R72TT
				R72TT1.3	R85TT1.0

503.642.XX (Alutec)		Chiusura a cricchetto per vasistas. <i>Spring latch locking for hopper windows.</i>	R50TT	R62TT	R72TT
				R72TT1.3	R85TT1.0

CHIUSURE
LOCKINGS


CHIUSURE
LOCKINGS

Articolo Item	Immagine Picture	Descrizione Description						
403.801.55 (Alutec)		Manovra per puntali 404.145.05 - 404.141.55 in abbinamento all'asta 900221 <i>Deadlatch for terminals 404.145.05 - 404.141.55 to pair with rod 900221</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						


Articolo Item	Immagine Picture	Descrizione Description						
503.160.69 (Alutec)		Serratura con cilindro in zama con perno in acciaio inox. <i>Looking with zamak cylinder with stainless steel pivot.</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						

Articolo Item	Immagine Picture	Descrizione Description						
403.806.05 (Alutec)		Manovra a leva con blocchetto di collegamento per puntali 404.145.05 <i>Lever deadlatch with junction block for terminals 404.145.05</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						

INCONTRI SERRATURA
LOCK JUNCTION

Articolo Item	Immagine Picture	Descrizione Description						
417.250.55 (Alutec)		Incontro serratura. <i>Lock junction.</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						

Articolo Item	Immagine Picture	Descrizione Description						
403.852.05 (Alutec)		Asta di prolunga <i>Extension rod f</i> L = 1000 mm						
		<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						


Articolo Item	Immagine Picture	Descrizione Description						
503.094.55 (Alutec)		Chiusura a scatto per anta semifissa. <i>Snap release locking for semi-fixed leaf.</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						

INNESTI - PUNTALI - RICONTRI
COUPLINGS - TERMINALS - STRIKERS

INNESTI - PUNTALI - RICONTRI
COUPLINGS - TERMINALS - STRIKERS

Articolo <i>Item</i>	Immagine <i>Picture</i>	Descrizione <i>Description</i>
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Articolo <i>Item</i>	Immagine <i>Picture</i>	Descrizione <i>Description</i>
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404.100.02 (Alutec)		Nottolino di chiusura supplementare su astina <i>Rivetting additional locking point on the rod</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				

504.091.05 (Alutec)		Riscontro regolabile per puntali: <i>Adjustable striker for terminals:</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				


404.101.02 (Alutec)		Incontro di chiusura supplementare su telaio <i>Additional locking point on the sash</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				

504.103.01 (Alutec)		Riscontro per terza chiusura su innesti cremonese: 404.110.55 <i>Striker for 3rd locking on couplings: 404.110.55</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				

404.110.55 (Alutec)		Coppia innesti cremonese apertura interna su profilo 900221, in nylon <i>Nylon pair of couplings internal opening for profile 900221</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				

504.120.01 (Alutec)		Riscontro con rullino in acciaio inox per chiusure supplementari, apertura interna e anta ribalta. <i>Striker with stainless steel roller for additional lockings internal opening and tilt and turn</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				

404.141.55 (Alutec)		Coppia puntali in nylon su profilo 900221 <i>Pair of terminals on profile 900221</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				

504.132.01 (Alutec)		Innesti guida apertura esterna. <i>Couplings for external opening.</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				

404.121.05 (Alutec)		Kit chiusura supplementare per apertura interna ed esterna. <i>Additional lock kit for internal and external opening.</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				








504.206.05 (Alutec)		Incontro di chiusura supplementare lato cerniere. <i>U-Bolt for additional locking hinge side</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				



404.145.05 (Alutec)		Coppia puntali in zama, su profilo 900221 <i>Pair of zamak terminals on profile 900221</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				

504.081.55 (Alutec)		Riscontro in nylon con rullino per puntali <i>Nylon striker with roller for terminals</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				

COMPASSI
ARMS

COMPASSI
ARMS

Articolo Item	Immagine Picture	Descrizione Description						
A.1812.VV		Braccio limitatore di apertura DX <i>Opening limiter arm DX</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.1813.VV		Braccio limitatore di apertura SX <i>Opening limiter arm SX</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.3905.IA		Coppia bracci ammortizzati sganciabili in acciaio inox per vasistas <i>Pair of detachable amortized stainless steel arms for hopper windows</i>						
		250 ≤ H _{ANTA} ≤ 500 mm						
		<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.3906.IA		Coppia bracci ammortizzati sganciabili in acciaio inox per vasistas <i>Pair of detachable amortized stainless steel arms for hopper windows</i>						
		350 ≤ H _{ANTA} ≤ 1600 mm						
		<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.3907.IA		Coppia bracci ammortizzati sganciabili in acciaio inox per vasistas <i>Pair of detachable amortized stainless steel arms for hopper windows</i>						
		1000 ≤ H _{ANTA} ≤ 2000 mm						
		<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						
506.300.05 (Alutec)		Gruppo articolazione per sporgere comprensivo di coppie di rinforzo in acciaio inox portata max. kg. 75 <i>Kit for projecting windows inclusive of stiffened stainless steel torques capacity max 75 kg.</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						
406.300.05 (Alutec)		Coppia aste a sporgere portata max 50 kg. <i>Pair of projecting rods capacity max 50 kg.</i>						
		L = mm 300						
		<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						

Articolo Item	Immagine Picture	Descrizione Description						
406.499.05 (Alutec)		Gruppo articolazione per sporgere rinforzato completo di bracci, portata max kg. 90 <i>Kit for stiffened projecting windows with arms capacity max 90 kg.</i>						
		L = mm 300						
		<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						
406.500.05 (Alutec)		Coppia aste a sporgere portata max 50 kg. <i>Pair of projecting rods capacity max 50 kg.</i>						
		L = mm 500						
		<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						

ANTA RIBALTA **R**balta 150
TILT AND TURN

R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

ANTA RIBALTA **R**balta 150
TILT AND TURN

R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

Articolo Item	Immagine Picture	Descrizione Description
A.1800.VV		<p>Kit base anta ribalta "Rbalta 150" composto da:</p> <ul style="list-style-type: none"> • Rinvio d'angolo in zama con perno di chiusura integrale • Riscontro per chiusura su rinvio d'angolo • innesto cremonese personalizzato • Meccanismo anti falsa manovra • Puntale inferiore dx • Puntale inferiore sx • Perno di chiusura per puntale inferiore • Riscontro per chiusura su puntale • Riscontro orizzontale per puntale inferiore
		<p>"Rbalta 150" <i>tilt and turn basic kit</i>, consisting of :</p> <ul style="list-style-type: none"> • with zama corner locking pin integral • lock striker to corner drive • custom couplings cremonese • lock movement • lower terminals dx • lower terminals sx • lock pin for lower terminals • lock striker on terminals • orizontal striker on lower terminals

Articolo Item	Immagine Picture	Descrizione Description
A.1805.VX.(xx)		<p>Kit completo anta ribalta "Rbalta 150" con braccio medio, composto da:</p> <ul style="list-style-type: none"> • Kit base - A.1800.VV • Kit cerniere verniciate - A.1801.VX • Cremonese anta ribalta - A.4004.ZX • Braccio medio (L=550 / 1700) - A.1802.VV <p>"Rbalta 150" <i>tilt and turn complete with standard arm</i>:</p> <ul style="list-style-type: none"> • Kit base - A.1800.VV • Kit hinge painted - A.1801.VX • Tilt and turn cremone - A.4004.ZX • Standard arm (L=550/1700) A.1802.VV
A.1806.VX.(xx)		<p>Kit completo anta ribalta "Rbalta 150" con braccio corto, composto da:</p> <ul style="list-style-type: none"> • Kit base - A.1800.VV • Kit cerniere verniciate - A.1801.VX • Cremonese anta ribalta - A.4004.ZX • Braccio corto (L=350 / 549) - A.1803.VV <p>"Rbalta 150" <i>tilt and turn complete with short arm</i>:</p> <ul style="list-style-type: none"> • Kit base - A.1800.VV • Kit hinge painted - A.1801.VX • Tilt and turn cremone - A.4004.ZX • Short arm (L=350/549) A.1803.VV

Accessori supplementari
Additional accessories

R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

Articolo Item	Descrizione Description
A.1801.VX.(xx)	Kit cerniere verniciate portata 150 Kg <i>Hinges kit painted loaded 150 Kg</i>
A.1802.VV	Braccio medio (L=550 / 1700mm) <i>Standard arm (L=550 / 1700mm)</i>
A.1803.VV	Braccio corto (L=350 / 549mm) <i>Short arm (L=350 / 549mm)</i>
A.1804.VV	Braccio supplementare (L>1200mm) <i>Supplementary arm (L>1200mm)</i>
A.1807.VV	Kit chiusura supplementare su asta <i>Supplementary closure point</i>
A.1808.VV	Rinvio d'angolo supplementare inferiore e superiore <i>Supplementary corner drive upper and lower</i>

Accessori supplementari
Additional accessories

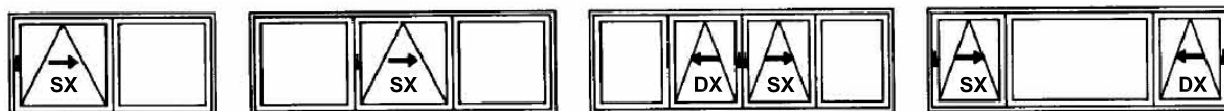
R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

Articolo Item	Descrizione Description
A.1809.VX.(xx)	Kit cerniere anta affiancata <i>Hinge kit to side leaf</i>
A.1810.VV	Kit paletti anta semifissa <i>Kit of latches for semi-fixed leaf</i>
A.1811.VV	Kit paletti anta semifissa a manovra e leva <i>Kit of latches lever bolt for semi-fixed leaf</i>
A.1812.VV	Braccio limitatore di apertura DX <i>Opening limitator arm DX</i>
A.1813.VV	Braccio limitatore di apertura SX <i>Opening limitator arm SX</i>
A.4004.ZX.(xx)	Cremonese anta ribalta <i>Tilt and turn cremone</i>

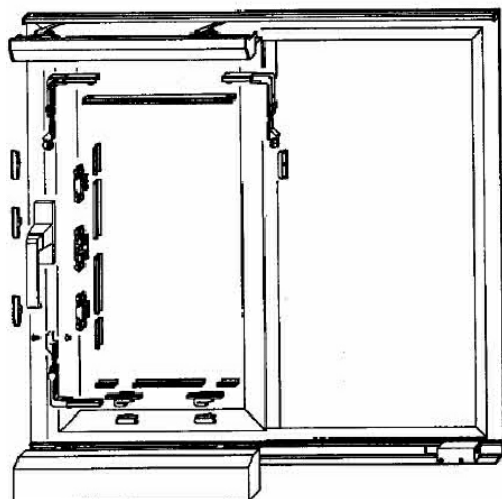
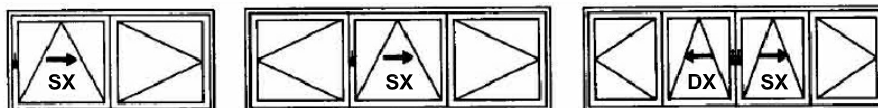
MECCANISMI RIBALTA SCORREVOLE

SLIDING TILT MECHANISMS

SCHEMA CON ANTE AFFIANCATE FISSE - SCHEME WITH FIXED SIDE BY SIDE LEAFS

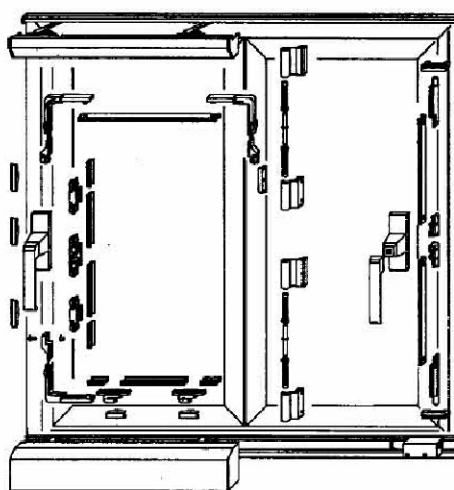


SCHEMA CON ANTE AFFIANCATE APRIBILI - SCHEME WITH OPENABLE SIDE BY SIDE LEAFS

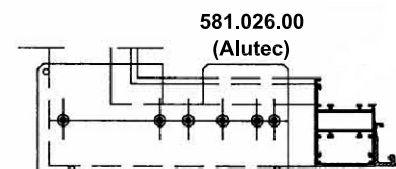
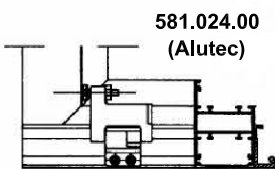
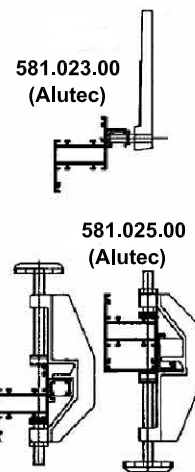


ESEMPIO D'ORDINE SU PROFILI Per anta ribalta scorrevole sinistra con anta fissa avente larghezza telaio 2.700 mm, larghezza anta scorrevole 1.250 mm con finitura bianco RAL 9010 e cremonese .
SI ordina così:
1 confezione base sinistra **419.001.00**
1 confezione di carter e guida **419.007.60**
1 kit di chiusura **419.030.05**
1 cremonese VELA **503.410.60**

EXAMPLE OF ORDER ON PROFILES For sliding left tilt and turn with fixed leaf having a frame width of mm 2.700, sliding leaf width of mm 1.250 with white 9010 finishing and cremone bolt.
You order as follows:
1 left standard kit **419.001.00**
1 coverplate and guide kit **419.007.60**
1 locking mechanism kit **419.030.05**
1 VELA cremone bolt **503.410.60**



GLI ACCESSORI DELL'ANTA APRIBILE SONO QUELLI STANDARD
THE OPENABLE LEAF STANDARD ACCESSORIES



R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

Articolo Item	Descrizione Description
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419.001.00 Confezione base sinistra
(Alutec) Left standard kit

419.002.00 Confezione base destra
(Alutec) Right standard kit

419.005.XX Carter e guide
(Alutec) per anta L max 870 mm e telaio L max 2.000 mm
Coverplate and guide
for leaf L max. mm 870 and frame L max mm 2.000

419.006.XX Carter e guide
(Alutec) per anta L max 1.070 mm e telaio L max 2.400 mm
Coverplate and guide
for leaf L max 1.070 and frame L max mm 2.400

419.007.XX Carter e guide
(Alutec) per anta L max 1.300 mm e telaio L max 2.860 mm
Coverplate and guide
for leaf L max 1.300 and frame L max mm 2.860

419.008.XX Carter e guide
(Alutec) per anta L max 1.600 mm e telaio L max 3.460 mm
Coverplate and guide
for leaf L max 1.600 and frame L max mm 3.460

Articolo Item	Descrizione Description
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419.030.05 Kit meccanismo di chiusura
(Alutec) Locking mechanism kit

503.410.XX Cremonese VELA reversibile per anta ribalta
(Alutec) - interasse 84-100-104
Reversible VELA cremone bolt for tilt and turn
- distance between centers 84-100-104

MONOBLOCCO
SHUTTER WINDING SYSTEM

BILICO
PIVOTING WINDOW


Articolo Item	Immagine Picture	Descrizione Description						
402.200.55 (Alutec)		Angolare assiemaggio cassonetto in nylon su profilo 900297 <i>Nylon angle for shutter box assembling on profile 900297</i>						
402.201.55 (Alutec)		- Nero - Black - Bianco - White						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	
R50TT	R62TT	R72TT						
	R72TT1.3							
410.485.55 (Alutec)		Distanziale per fissaggio stípote monoblocco in nylon su profilo 900274 <i>Nylon spacer for fixing door frame shutter winding system on profile 900274</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	
R50TT	R62TT	R72TT						
	R72TT1.3							
425.010.00 (Alutec)		Kit manovra a cinghia con avvolgitore da 5,5 m <i>Kit for belt deadlatch coiler with 5,5 m</i>						
425.011.00 (Alutec)		Kit manovra a cinghia con avvolgitore da 10 m <i>Kit for belt deadlatch coiler with 10 m</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	
R50TT	R62TT	R72TT						
	R72TT1.3							
425.012.00 (Alutec)		Kit manovra ad asta con arganello reversibile <i>Kit for reversible winch road deadlatch</i>						
425.310.00 (Alutec)		Asta per arganello con snodo a 45° <i>Swinging winch rod at 45°</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	
R50TT	R62TT	R72TT						
	R72TT1.3							
425.112.55 (Alutec)		Coppia mensole in nylon di guida cinghia <i>Pair of nylon guide brackets</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	
R50TT	R62TT	R72TT						
	R72TT1.3							
425.560.55 (Alutec)		Pannello isolante cassonetto in polistirolo espanso su profili 900297 <i>Nylon bi-hole upper rabbet on profile 900297</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	
R50TT	R62TT	R72TT						
	R72TT1.3							
507.001.55 (Alutec)		Inviti tapparella. <i>Shutter guides.</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	
R50TT	R62TT	R72TT						
	R72TT1.3							
510.020.00 (Alutec)		Molla tenuta cassonetto (900297) <i>Clip for shutter box fastening (Prof. 900297)</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT	R72TT		R72TT1.3	
R50TT	R62TT	R72TT						
	R72TT1.3							

Articolo Item	Immagine Picture	Descrizione Description						
408.213.XX (Alutec)		CONFEZIONE COMPLETA Kit bilico orizzontale a chiusure multiple con cremonese pressofusa COMPLETE KIT <i>Multi-point lockings horizontal pivoting window with die-casting cremone bolt</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td></td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT			R72TT1.3	
R50TT	R62TT							
	R72TT1.3							
408.214.XX (Alutec)		CONFEZIONE COMPLETA Kit bilico verticale a chiusure multiple con cuscinetto reggispira e cremonese pressofusa. COMPLETE KIT <i>Multi-point lockings kit for vertical pivot windows with thrust bearing with die-cast cremone bolt handle</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td></td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT			R72TT1.3	
R50TT	R62TT							
	R72TT1.3							
408.124.05 (Alutec)		CONFEZIONE COMPLETA Kit bilico verticale a chiusure multiple senza cremonese. COMPLETE KIT <i>Multi-point locking kit for vertical pivot windows without cremone bolt handle</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td></td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT			R72TT1.3	
R50TT	R62TT							
	R72TT1.3							
508.025.01 (Alutec)		Distanziale fissaggio profilo inversione bilico <i>Spacer for fixing profile inversion pivoting window</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td></td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT			R72TT1.3	
R50TT	R62TT							
	R72TT1.3							
508.080.XX (Alutec)		Coppia di frizioni per bilico. <i>Pair of clutches for pivoting window.</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td></td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT			R72TT1.3	
R50TT	R62TT							
	R72TT1.3							
508.081.XX (Alutec)		Coppia di frizioni per bilico verticale con cuscinetto reggispira. <i>Pair of clutches for vertical pivoting windows with thrust bearing.</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td></td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT			R72TT1.3	
R50TT	R62TT							
	R72TT1.3							
A.2156.TN		Tappo copritaglio bilico. <i>Plug cut edge trim for pivot window</i>						
		<table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>					R72TT1.3	
	R72TT1.3							

TAPPI
PLUGS

SCARICHI ACQUA
WATER DRAINAGES

Articolo Item	Immagine Picture	Descrizione Description						
A.2116.TN		Tappo aggiuntivo in nylon su profilo R72C684 in abbinamento con i tappi cod. A.2127.TN <i>Nylon additional plug for section R72C684 to combine to cod. A.2127.TN</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						

Articolo Item	Immagine Picture	Descrizione Description						
509.270.55 (Alutec)		Valvola scarico acqua in nylon. <i>Nylon water drainage valve.</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
R72TTCE	R72TT1.3	R85TT1.0						

A.2127.TN		Coppia tappi battuta centrale su R72C643 <i>Pair of plugs on profile R72C643</i>			
		<table border="1"> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>		R72TT1.3	
	R72TT1.3				


509.260.55 (Alutec)		Paratempesta in nylon. <i>Water drain cover of nylon.</i>						
509.260.60 (Alutec)		- nero - black - bianco - white						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
R72TTCE	R72TT1.3	R85TT1.0						

A.2137.TN		Coppia tappi battuta centrale su R72C729 <i>Pair of plugs on profile R72C729</i>			
		<table border="1"> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td></td> </tr> </table>	R72TTCE	R72TT1.3	
R72TTCE	R72TT1.3				


509.261.55 (Alutec)		Paratempesta in nylon. <i>Water drain cover of nylon.</i>						
509.261.60 (Alutec)		- nero - black - bianco - white						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
R72TTCE	R72TT1.3	R85TT1.0						

A.2138.TN		Coppia tappi battuta centrale su R72C737 <i>Pair of plugs on profile R72C737</i>			
		<table border="1"> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>		R72TT1.3	
	R72TT1.3				


509.264.55 (Alutec)		Paratempesta in nylon. <i>Water drain cover of nylon.</i>						
509.265.55 (Alutec)		- nero - black - bianco - white						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
R72TTCE	R72TT1.3	R85TT1.0						

A.2163.NN		Coppia tappi aggiuntivi su profilato R72C38 in abbinamento con A.2132.NN <i>Additional pair plugs for section R72C38 to combine to cod. A.2132.NN</i>						
		<table border="1"> <tr> <td></td> <td></td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>			R72TT		R72TT1.3	
		R72TT						
	R72TT1.3							

ACCESSORI COMPLEMENTARI
COMPLEMENTARY ACCESSORIES

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.2143.NN		Tappo aggiuntivo in nylon per profilo R72C676 in abbinamento con i tappi cod. A.2127.TN <i>Nylon additional plug for section R72C676 to combine to cod. A.2127.TN</i>						
A.2143.NB		Nero RAL 9005 / Black RAL 9005 Bianco RAL 9010 / White RAL 9010						
		<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.2132.NN		Coppia tappi per battuta centrale per apertura esterna su profilo R72C38. <i>Pair of plugs for central rabbet for external opening on profile R72C38.</i>						
		<table border="1"> <tr> <td></td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>		R62TT	R72TT		R72TT1.3	
	R62TT	R72TT						
	R72TT1.3							

502.002.XX (Alutec)		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></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						

ATTREZZATURE
TOOLS

ATTREZZATURE
TOOLS

Articolo Item	Immagine Picture	Descrizione Description						
581.021.00 (Alutec)		Attezzo per posizionamento contropiastra cerniere pesanti e cardini <i>Tool for positioning counterplate for heavy hinges and</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						
581.023.00 (Alutec)		Boccola per foratura con impugnatura <i>Drilling bushing with handgrip</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						
581.024.00 (Alutec)		Maschera piazzamento slitta rientro anta <i>Leaf retracting slide positioning template</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						
581.025.00 (Alutec)		Morsetto di piazzamento guide scorrevoli <i>Sliding guides positioning clamp</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						
581.026.00 (Alutec)		Maschera di foratura piazzamento carrelli <i>Rollers positioning drilling template</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						
581.030.00 (Alutec)		Dima foratura per cerniere pesanti per montante ridotto interasse 60 mm <i>Drilling template for heavy hinges for small stile distance between centers mm 60</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						
581.033.00 (Alutec)		Dima universale per tavellino. <i>Universal template for flat catch.</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						
581.034.00 (Alutec)		Punzonatrice lavorazione astine <i>Punching machine for rods processing</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						


Articolo Item	Immagine Picture	Descrizione Description						
581.041.00 (Alutec)		Dima foratura per cerniere ad elevata portata <i>Drilling template for heavy hinges</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						
581.171.00 (Alutec)		Cesoia taglia guarnizioni in metallo UNIV. <i>Metal shear for weatherstrips cutting</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
R72TTCE	R72TT1.3	R85TT1.0						
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>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
R72TTCE	R72TT1.3	R85TT1.0						
M.0005.R5 (Tekna)		Punzonatrice lavorazione squadrette "tubolari esterni" <i>Punching machine for corner-joints processing "external tubular"</i>						
		<table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>					R72TT1.3	
	R72TT1.3							
M.0006.R5 (Tekna)		Punzonatrice lavorazione squadrette "ferramenta perimetrale" <i>Punching machine for corner-joints processing "perimetral fitting"</i>						
		<table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td></td> </tr> </table>				R72TTCE	R72TT1.3	
R72TTCE	R72TT1.3							
U.9801.VV		Chiave esagonale doppia da 4-5-6 UNIV. <i>Double exagonal wrench of 4-5-6</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
R72TTCE	R72TT1.3	R85TT1.0						
U.9802.VV		Chiave esagonale doppia da 2.5-3 UNIV. <i>Double exagonal wrench of 2.5-3</i>						
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
R72TTCE	R72TT1.3	R85TT1.0						




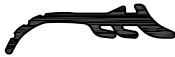
Articolo Item	Descrizione Description	Articolo Item	Descrizione Description
462682	<p>KIT 1 ANTA BATTENTE DX COMPOSTO DA:</p> <ul style="list-style-type: none"> • Supporto telaio sup. • Perno • Bandella forbice 12/18-10 • Supporto telaio inf. • Cerniera angolare inf. DX 12/18-9 • Angolare parte anta cerniera AB sup. m. matic • Braccio cerniera AB sup. m. matic • Riscontro nottolino <p>KIT 1 WING RABBET DX COMPOSED FROM:</p> <ul style="list-style-type: none"> • Support frame upper • Hinged • Strip scissor 12/18-10 • Support frame bottom • Angular hinge bottom DX 12/18-9 • Angular side-wing hinge AB upper m. matic • Pivot strip AB upper m. matic • Rivetting striker 	462683	<p>KIT 1 ANTA BATTENTE SX COMPOSTO DA:</p> <ul style="list-style-type: none"> • Supporto telaio sup. • Perno • Bandella forbice 12/18-10 • Supporto telaio inf. • Cerniera angolare inf. SX 12/18-9 • Angolare parte anta cerniera AB sup. m. matic • Braccio cerniera AB sup. m. matic • Riscontro nottolino <p>KIT 1 WING RABBET SX COMPOSED FROM:</p> <ul style="list-style-type: none"> • Support frame upper • Hinged • Strip scissor 12/18-10 • Support frame bottom • Angular hinge bottom SX 12/18-9 • Angular side-wing hinge AB upper m. matic • Pivot strip AB upper m. matic • Rivetting striker
462684	<p>KIT 2 ANTE BATTENTE COMPOSTO DA:</p> <ul style="list-style-type: none"> • Supporto telaio sup. • Perno • Bandella forbice 12/18-10 • Supporto telaio inf. • Cerniera angolare inf. DX 12/18-9 • Cerniera angolare inf. SX 12/18-9 • Angolare parte anta cerniera AB sup. m. matic • Braccio cerniera AB sup. m. matic • Riscontro nottolino • Riscontro catenaccio • Terminale sup. con puntale <p>KIT 2 WINGS RABBET COMPOSED FROM:</p> <ul style="list-style-type: none"> • Support frame upper • Hinged • Strip scissor 12/18-10 • Support frame bottom • Angular hinge bottom DX 12/18-9 • Angular hinge bottom SX 12/18-9 • Angular side-wing hinge AB upper m. matic • Pivot strip AB upper m. matic • Rivetting striker • Bolt striker plates • End bolts with bar end bolt 	462685	<p>KIT 1 ANTA RIBALTA DX COMPOSTO DA:</p> <ul style="list-style-type: none"> • Movimento angolare A • Supporto telaio sup. • Perno • Bandella forbice 12/18-10 • Supporto telaio inf. • Cerniera angolare inf. DX 12/18-9 • Movimento angolare inferiore bifungo • Riscontro alza anta DX • Riscontro nottolino • Riscontro fungo • Adattatore per il taglio dritto multimatic argento <p>KIT 1 WING TILT AND TURN DX COMPOSED FROM:</p> <ul style="list-style-type: none"> • Angle drive A • Support frame upper • Hinged • Strip scissor 12/18-10 • Support frame bottom • Angular hinge bottom DX 12/18-9 • Angle drive burglar bottom • Striker lifting component holder DX • Rivetting striker • Burglar striker • Straight cut adapter to multimatic silver
462686	<p>KIT 1 ANTA RIBALTA SX COMPOSTO DA:</p> <ul style="list-style-type: none"> • Movimento angolare A • Supporto telaio sup. • Perno • Bandella forbice 12/18-10 • Supporto telaio inf. • Cerniera angolare inf. SX 12/18-9 • Movimento angolare inferiore bifungo • Riscontro alza anta SX • Riscontro nottolino • Riscontro fungo • Adattatore per il taglio dritto multimatic argento <p>KIT 1 WING TILT AND TURN SX COMPOSED FROM:</p> <ul style="list-style-type: none"> • Angle drive A • Support frame upper • Hinged • Strip scissor 12/18-10 • Support frame bottom • Angular hinge bottom SX 12/18-9 • Angle drive burglar bottom • Striker lifting component holder SX • Rivetting striker • Burglar striker • Straight cut adapter to multimatic silver 	462687	<p>KIT 2 ANTE RIBALTA COMPOSTO DA:</p> <ul style="list-style-type: none"> • Movimento angolare A • Angolare parte anta cerniera AB sup. m.matic • Braccio cerniera AB sup. m.matic • Supporto telaio sup. • Perno • Bandella forbice 12/18-10 • Supporto telaio inf. • Cerniera angolare inf. DX 12/18-9 • Cerniera angolare inf. SX 12/18-9 • Movimento angolare inferiore bifungo • Movimento angolare inf. asta a leva • Riscontro fungo • Riscontro nottolino • Cerniera centrale parte anta • Cerniera centrale parte telaio • Adattatore per il taglio dritto multimatic argento <p>KIT 2 WINGS TILT AND TURN COMPOSED FROM:</p> <ul style="list-style-type: none"> • Angle drive A • Angular side-wing hinge AB upper m.matic • Pivot strip AB upper m.matic • Support frame upper • Hinged • Strip scissor 12/18-10 • Support frame bottom • Angular hinge bottom DX 12/18-9 • Angular hinge bottom SX 12/18-9 • Angle drive burglar bottom • Angle drive bottom Overlapping gear • Burglar striker • Rivetting striker • Centre strip side-wing • Centre strip side-frame • Straight cut adapter to multimatic silver


GUARNIZIONI
WEATHERSTRIPS


GUARNIZIONI
WEATHERSTRIPS


Articolo Item	Immagine Picture	Descrizione Description				
G.0119.EN		Guarnizione di battuta per bilico <i>Pivoting weatherstrip of rabbet</i> E.P.D.M.				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td></td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT	R62TT		
R50TT	R62TT					
	R72TT1.3					


Articolo Item	Immagine Picture	Descrizione Description				
G.0134.EN		Guarnizione appoggio esterno vetri da 3 mm <i>mm 3 glass support weatherstrip</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				



G.0123.EN		Guarnizione da 4-6 mm su f.vetro <i>mm 4-6 glass support weatherstrip</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				


G.0135.EN		Guarnizione di precamera. <i>Central weatherstrip.</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td></td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT		R72TT	R72TTCE
R50TT		R72TT				
R72TTCE	R72TT1.3					


G.0124.EN		Guarnizione su fermavetro da 2,5-3,5 mm <i>mm 2,5-3,5 glass support weatherstrip</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				


G.0139.RN		Guarnizione appoggio vetri 1.5 mm <i>Weatherstrip on glass support mm 1,5</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				


G.0126.EN		Guarnizione di battuta <i>Weatherstrip of rabbet</i> EN = E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				
G.0138.RN		RN = PVC coestruso <i>Coextruded P.V.C</i>				
G.0155.TN		TN = T.P.E. <i>T.P.R</i>				
G.0156.FN		EN = E.P.D.M coestruso <i>Coextruded E.P.D.M</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	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				


G.0140.RN		Guarnizione appoggio vetri da 3 mm <i>mm 3 glass support weatherstrip</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				
G.0143.EN		Guarnizione aggiuntiva di precamera <i>Additional central weatherstrip</i> E.P.D.M				
		<table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td></td> </tr> </table>				R72TTCE
R72TTCE	R72TT1.3					

G.0127.EN		Guarnizione su fermavetro spessore 2 mm <i>Weatherstrip on glazing bead shim mm 2</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				


G.0148.EN		Guarnizione sotto vetro <i>Weatherstrips under glass</i> E.P.D.M				
		<table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td></td> </tr> </table>				R72TTCE
R72TTCE	R72TT1.3					

G.0128.EN		Guarnizione su fermavetro spessore 3 mm <i>Weatherstrip on glazing bead shim mm 3</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

G.0149.EN		Guarnizione su fermavetro spessore 4 mm <i>Weatherstrip on glazing bead shim mm 4</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				






G.0129.EN		Guarnizione su fermavetro spessore 6 mm <i>Weatherstrip on glazing bead shim mm 6</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

G.0150.EN		Guarnizione su fermavetro spessore 5 mm <i>Weatherstrip on glazing bead shim mm 5</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				


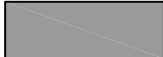


G.0131.EN		Guarnizione di battuta inserimento a scatto <i>Released insertion weatherstrip of rabbet</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	
R50TT	R62TT	R72TT				
	R72TT1.3	R85TT1.0				

G.0152.EN		Guarnizione appoggio esterno vetri da 3 mm <i>mm 3 glass support weatherstrip</i> E.P.D.M				
		<table border="1"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE
R50TT	R62TT	R72TT				
R72TTCE	R72TT1.3	R85TT1.0				

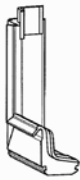
GUARNIZIONI
WEATHERSTRIPS



Articolo Item	Immagine Picture	Descrizione Description						
G.0154.EN		Guarnizione di battuta inserimento a scatto <i>Released insertion weatherstrip of rabbet</i> E.P.D.M. <table border="1" data-bbox="499 481 796 528"> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td></td> </tr> </table>	R72TTCE	R72TT1.3				
R72TTCE	R72TT1.3							
G.0168.EN		Guarnizione isolamento termico telaio-muro <i>Weatherstrip thermal insulation frame-wall</i> <table border="1" data-bbox="499 678 796 725"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
R72TTCE	R72TT1.3	R85TT1.0						
G.0314.RN		Guarnizione di tenuta su profili 800780 <i>Sealing weatherstrip on profile 800780</i> P.V.C coestruso <i>Coextruded P.V.C</i> <table border="1" data-bbox="499 875 796 922"> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
R50TT	R62TT	R72TT						
R72TTCE	R72TT1.3	R85TT1.0						
G.0316.QN		Guarnizione porta spazzolino <i>Weatherstrip woolpile holder</i> P.V.C rigid <i>Rigid P.V.C</i> <table border="1" data-bbox="499 1068 796 1115"> <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.0317.RN		Guarnizione per collegamento profili <i>Profile connection gasket</i> P.V.C. coestruso <i>Coextruded P.V.C.</i> <table border="1" data-bbox="499 1263 796 1310"> <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						

ISOLANTE TERMICO
THERMIC INSULATION

Articolo Item	Immagine Picture	Descrizione Description			
A.0393.WA (*)		Isolante per profilati con tubolare da 28 mm <i>Insulation for profile piping 28 mm</i> <table border="1" data-bbox="1238 481 1535 528"> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R72TTCE	R72TT1.3	R85TT1.0
R72TTCE	R72TT1.3	R85TT1.0			
A.0394.WA (*)		Isolante per profilati R72C688/707 <i>Insulation for sections R72C688/707</i> <table border="1" data-bbox="1238 678 1535 725"> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R72TTCE	R72TT1.3	R85TT1.0
R72TTCE	R72TT1.3	R85TT1.0			
A.0395.WA (*)		Isolante per profilati con tubolare da 52 mm <i>Insulation for profile piping 52 mm</i> <table border="1" data-bbox="1238 875 1535 922"> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R72TTCE	R72TT1.3	R85TT1.0
R72TTCE	R72TT1.3	R85TT1.0			
A.0396.WA (*)		Isolante per profilati R72C646/647 <i>Insulation for sections R72C646/647</i> <table border="1" data-bbox="1238 1263 1535 1310"> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R72TTCE	R72TT1.3	R85TT1.0
R72TTCE	R72TT1.3	R85TT1.0			

ANGOLI STAMPATI IN EPDM
EPDM MOULDED CORNERS

Articolo Item	Immagine Picture	Descrizione Description						
A.0228.EN A.0228.TN		Angolo stampato per guarnizione G.0135.EN <i>Moulded corner for weatherstrip G.0135.EN</i> EN= E.P.D.M TN= Termoplastisca / T.P.R. <table border="1" data-bbox="499 1695 796 1742"> <tr> <td>R50TT</td> <td></td> <td>R72TT</td> </tr> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td></td> </tr> </table>	R50TT		R72TT	R72TTCE	R72TT1.3	
R50TT		R72TT						
R72TTCE	R72TT1.3							

A.0232.WA (*)		Isolante adesivo per sottovetro e telaio 10x5 mm <i>Adhesive insulation for frame and underglass 10x5 mm</i> <table border="1" data-bbox="1238 1460 1535 1507"> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td></td> </tr> </table>	R72TTCE	R72TT1.3	
R72TTCE	R72TT1.3				
A.0235.WA (*)		Isolante adesivo per sottovetro 25x6 mm <i>Adhesive insulation for underglass 25x6 mm</i> <table border="1" data-bbox="1238 1695 1535 1742"> <tr> <td>R72TTCE</td> <td>R72TT1.3</td> <td></td> </tr> </table>	R72TTCE	R72TT1.3	
R72TTCE	R72TT1.3				

(*) = Accessori forniti in barre con lunghezza 1 m
(*) = Accessories are supplied in bars with length of 1 m
(°) = Accessori forniti in bobine da 25 m
(°) = Accessories are supplied in coils of 25 m

DIAGRAMMI PER IL DIMENSIONAMENTO STATICO DELLE ANTE STATIC WING-SIZING DIAGRAMS

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

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

Dove:

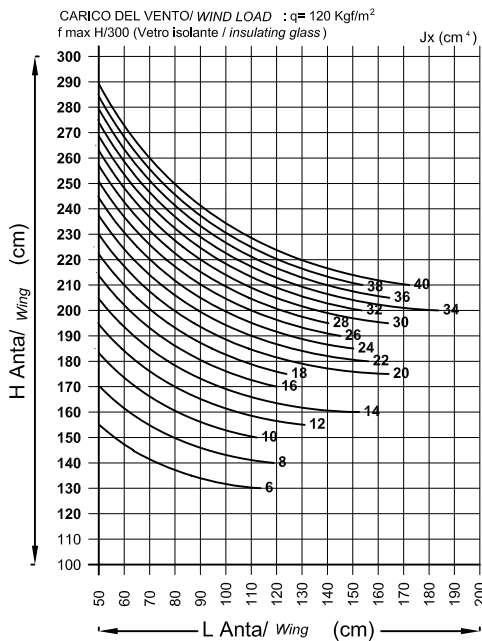
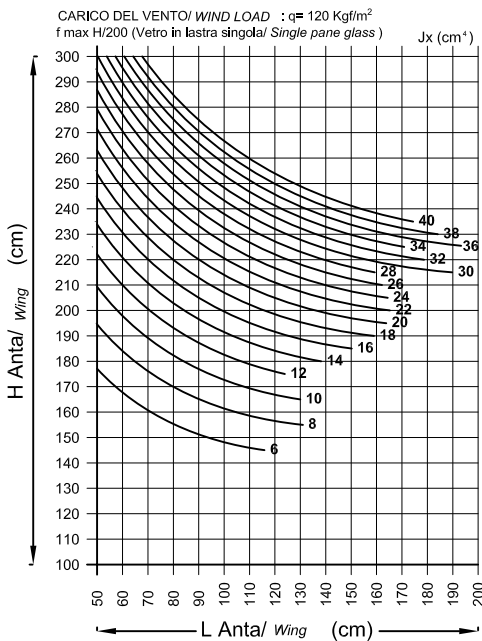
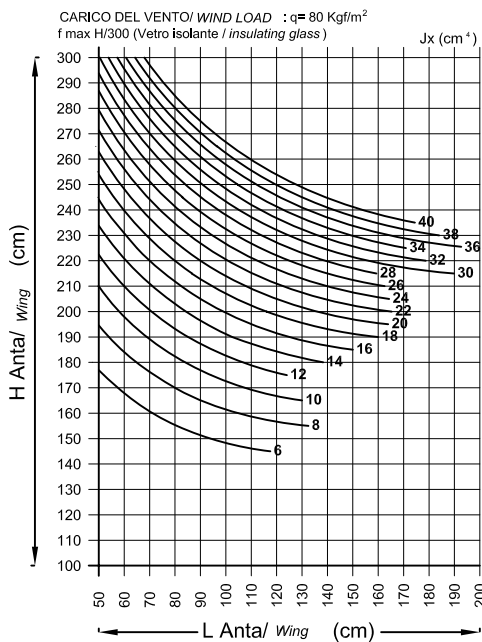
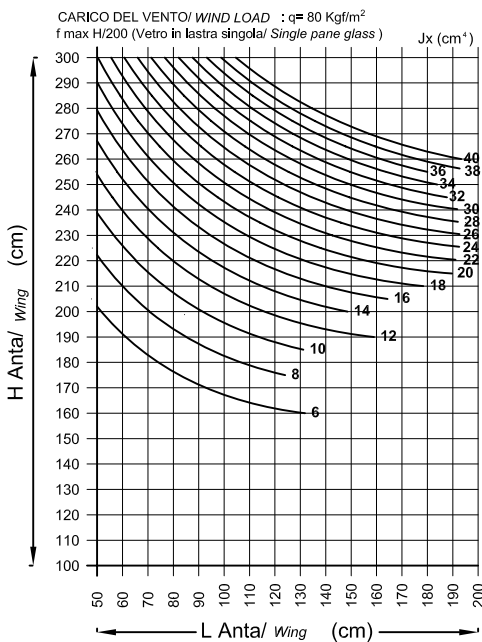
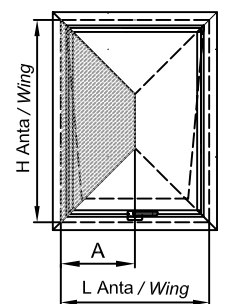
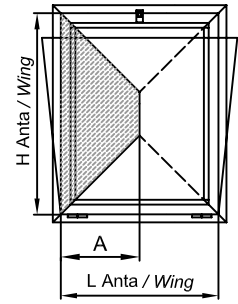
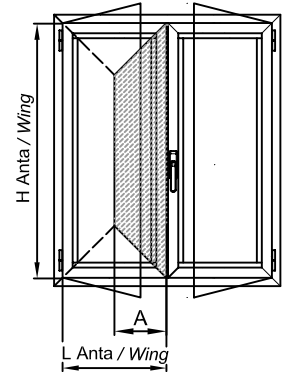
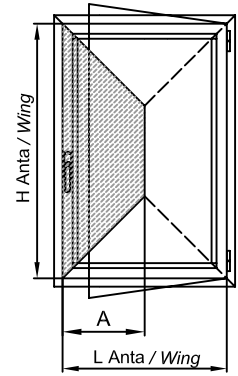
Jx = Momento d'inerzia (cm⁴) A = Larghezza anta : 2 (cm)
q = Carico del vento (Kg/cm²) E = Modulo di elasticità (Kg/cm²)
H = Altezza anta (cm) f = Freccia (cm)

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)

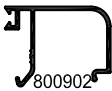
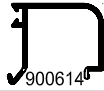
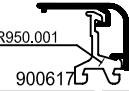
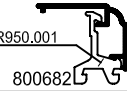
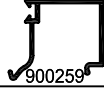



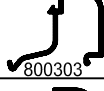

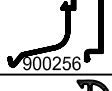

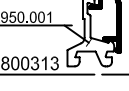
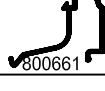
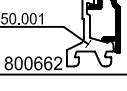
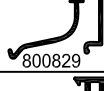
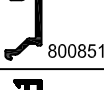
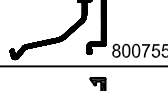
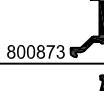
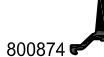
This refers to the size of the wings compared with the section inertia so always make sure the weight of the wings is compatible with the load of accessories hinge etc. used. Also always check that the section camber is suitable for the glass used.



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

R 72^{TT 1,3}
SYSTEM

Articolo Item	Guarnizioni esterne External weatherstrips	Sezione Section	Articolo Item	Guarnizioni interne Internal weatherstrips	Sezione Section
G.0152.EN	A = 3 mm		G.0124.EN	B = 2,5/3,5 mm	
			G.0123.EN	C = 4/6 mm	

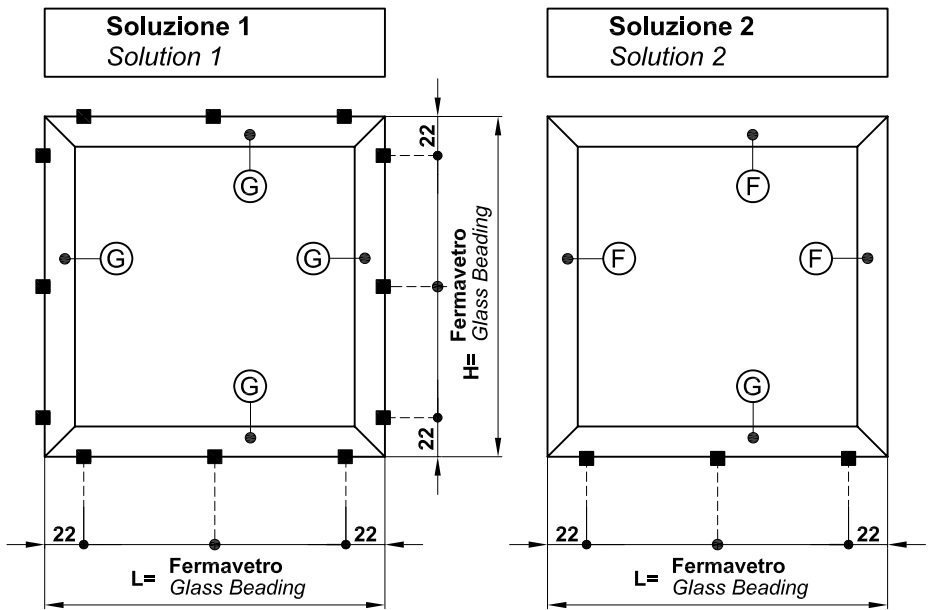
Spessore vetri Glass thickness	Guarnizioni Weatherstrips	Dimensione fermavetri Glass beading size	Vetro ad infilare Glass to insert
15 - 17 17 - 18	A+C A+B	35 mm	
20 - 22 22 - 23	A+C A+B	30 mm	    
22 - 24 24 - 25	A+C A+B	28 mm	
24 - 26 26 - 27	A+C A+B	26 mm	   
27 - 29 30 - 31	A+C A+B	22,5 mm	 
28 - 30 30 - 31	A+C A+B	22 mm	
31 - 33 33 - 34	A+C A+B	19 mm	 
36 - 38 38 - 39	A+C A+B	14 mm	    
39 - 41 41 - 42	A+C A+B	11 mm	
40 - 42 42 - 43	A+C A+B	10 mm	
41 - 43 43 - 44	A+C A+B	9 mm	
45 - 47 47 - 48	A+C A+B	5 mm	
48 - 50 50 - 51	A+C A+B	2 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.

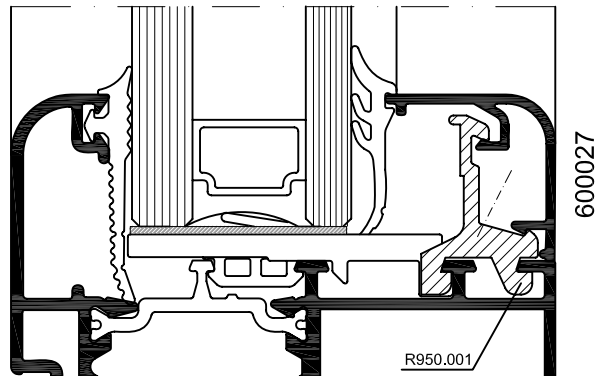
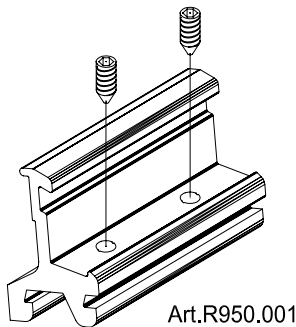
POSIZIONAMENTO ACCESSORIO FERMAVETRO ARROTONDATO
ROUNDED GLASSES BEADING ACCESSORY POSITIONING

Sezione Fermavetri Glass Beading Section		Dimensione Size
F	G	
		30 mm
900614	900617	
		30 mm
800681	800682	
		26 mm
800677	800678	
		22,5 mm
900607	600027	
		19 mm
800303	800339	
		18 mm
800679	800680	
		14 mm
800307	800313	
		14 mm
800661	800662	

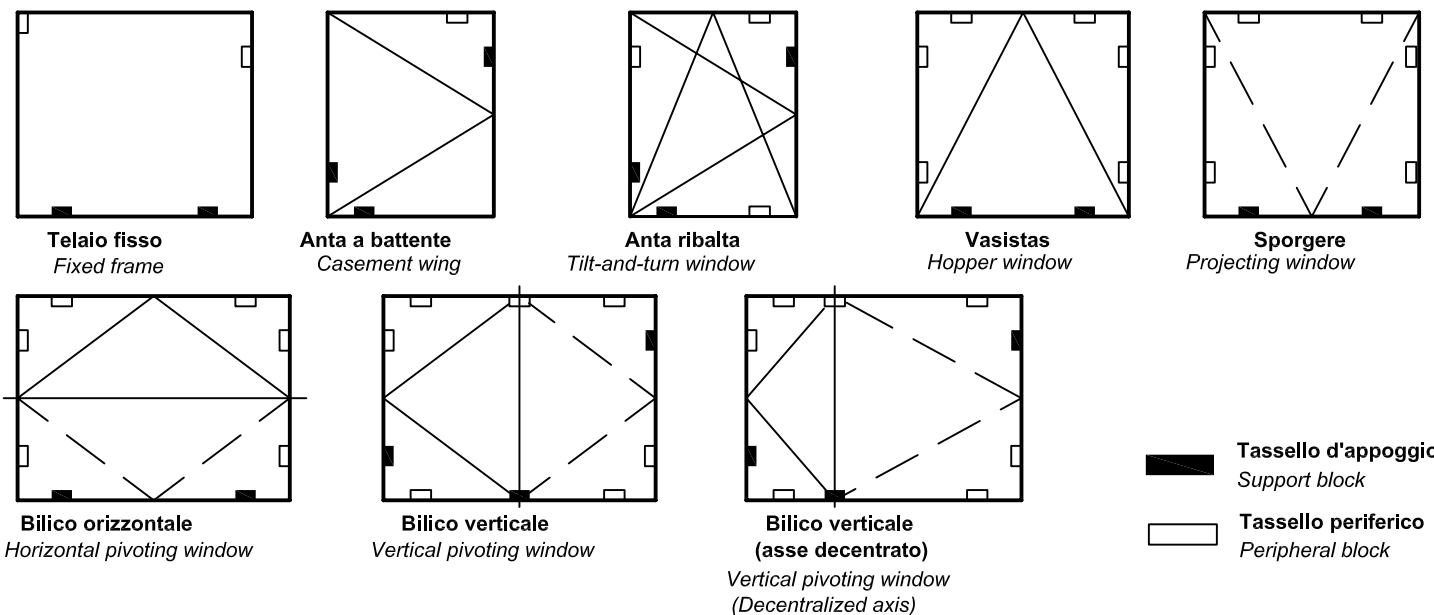


- F** = Fermavetro arr. a scatto
Radiused glass beading snap
- G** = Fermavetro arr. con accessorio R950.001
Radiused glass beading with accessorire R950.001

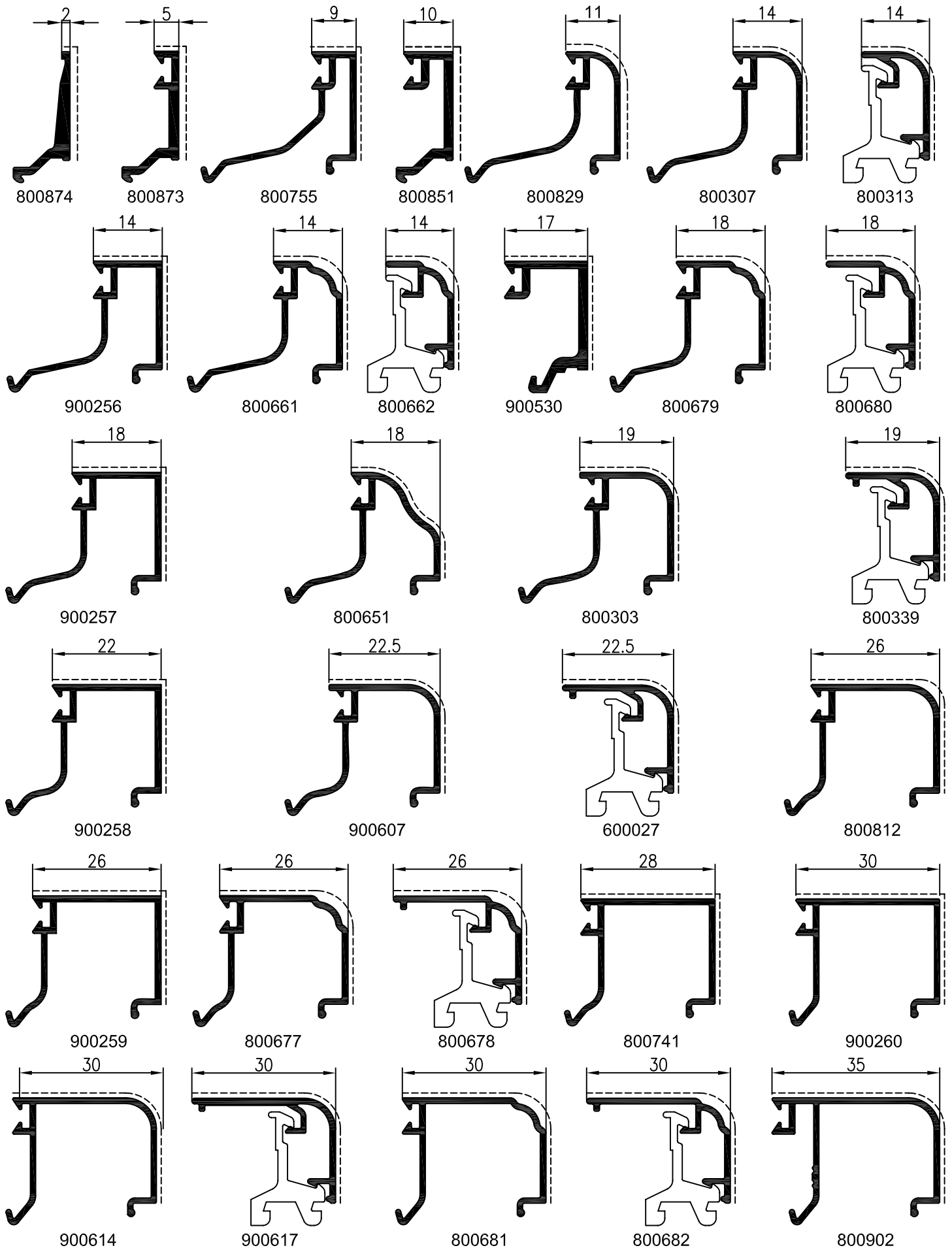
- = Art. R950.001
 Per L/H ≤ 1000mm n°3pz
 Per L/H < 1000mm ≤ 1500mm n°4pz
 Per L/H > 1500mm n°5pz

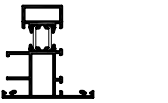
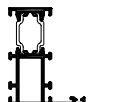



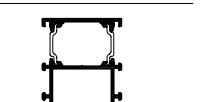
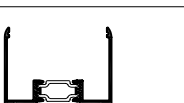
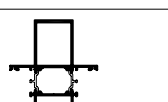
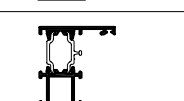
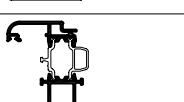
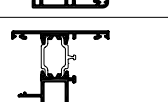
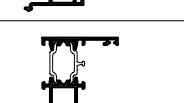
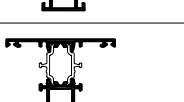


SPESSORAMENTO VETRI
GLASS SHIM



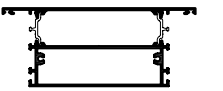
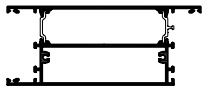
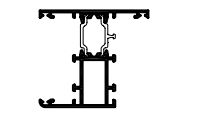
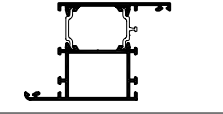
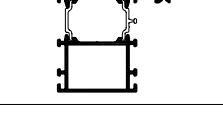
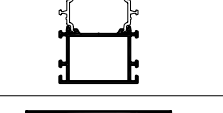
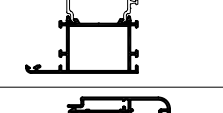
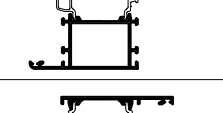
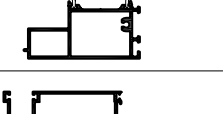
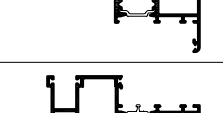
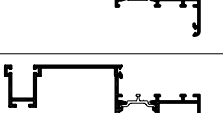
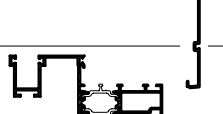
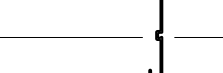
Profilato Section	Sezione Cross section	Peso Weight Kg/ml	Perim. Perim. mm	Sup. in vista Exposed surface mf/ml	Profilato Section	Sezione Cross section	Peso Weight Kg/ml	Perim. Perim. mm	Sup. in vista Exposed surface mf/ml
600027		0,181	115	0,042	800829		0,253	167	0,030
800303		0,271	173	0,041	800851		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	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 ³	Jy cm ⁴	Wy cm ³
R72C38 R72D38	800798 A.0320.LN A.0320.LN 800613		1,477	452	0,138	25,14	7,02	9,33	2,58
R72C59 R72D59	800538 A.0335.LN A.0335.LN 800608		1,201	355	0,083	20,76	5,82	5,43	1,64
R72C60 R72D60	800538 A.0335.LN A.0335.LN 800597		1,318	419	0,110	23,57	6,15	9,05	2,51
R72C61 R72D61	800504 A.0335.LN A.0335.LN 800597		1,436	482	0,137	28,95	8,28	12,06	3,14
R72C62 R72D62	800540 A.0335.LN A.0335.LN 800598		1,618	467	0,158	31,62	8,63	27,55	5,74
R72C89 R72D89	800540 A.0335.LN A.0335.LN 800591		1,497	401	0,129	28,40	8,31	20,00	4,46
R72C128 R72D128	800830 A.0335.LN A.0335.LN 800830		1,156	467	0,105	8,27	2,26	27,61	7,82
R72C639 R72D639	800617 A.0334.LN A.0334.LN 800592		2,389	588	0,258	104,74	18,24	36,13	7,53
R72C641 R72D641	800504 A.0335.LN A.0334.LN 800585		1,326	435	0,109	25,15	7,84	8,84	2,44
R72C642 R72D642	800507 A.0334.LN A.0333.LN 800585		1,467	475	0,114	32,48	8,99	10,53	2,76
R72C643 R72D643	800587 A.0335.LN A.0334.LN 800586		1,349	441	0,107	25,40	6,51	8,23	2,31
R72C644 R72D644	800504 A.0335.LN A.0334.LN 800588		1,214	374	0,083	20,91	5,95	5,43	1,65
R72C645 R72D645	800508 A.0334.LN A.0334.LN 800588		1,342	440	0,110	23,84	6,29	9,08	2,52

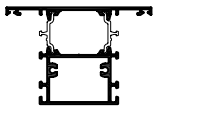
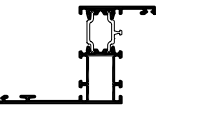
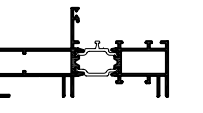
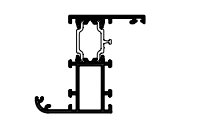
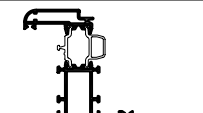
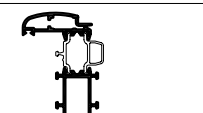
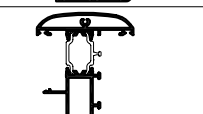
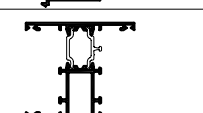
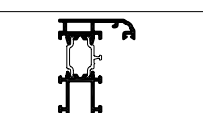
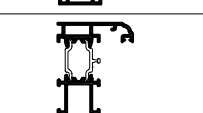
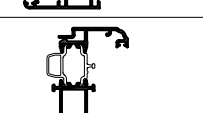
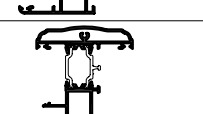
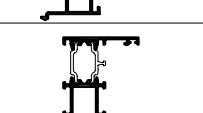
Le lettere C e D presenti nei codici sopra riportati stanno ad indicare rispettivamente:
C = profili interno ed esterno più barrette assemblati - es. R72C641
D = profili interno ed esterno più barrette non assemblati - es. R72D641
N.B.: I profilati sono forniti in lunghezza di 6800 mm

The letters C and D in the above codes indicate respectively:
C = Assembled internal and external sections with bars - ex. R72C641
D = Non assembled internal and external sections with bars - ex. R72D641
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 ³	Jy cm ⁴	Wy cm ³
R72C646 R72D646	800511 A.0334.LN A.0334.LN 800589		2,633	611	0,282	53,21	15,31	174,15	22,02
R72C647 R72D647	800511 A.0335.LN A.0334.LN 800590		2,739	673	0,309	57,82	17,37	194,62	23,69
R72C648 R72D648	800508 A.0334.LN A.0335.LN 800585		1,442	499	0,136	28,95	8,33	11,88	3,10
R72C649 R72D649	800514 A.0335.LN A.0334.LN 800591		1,626	483	0,156	32,66	10,06	27,22	5,65
R72C650 R72D650	800514 A.0335.LN A.0334.LN 800592		1,513	422	0,131	28,35	8,09	20,37	4,57
R72C651 R72D651	800516 A.0334.LN A.0334.LN 800592		1,645	488	0,158	31,38	8,43	27,67	5,76
R72C652 R72D652	800516 A.0335.LN A.0334.LN 800591		1,746	547	0,183	36,30	10,46	33,51	6,61
R72C653 R72D653	800517 A.0333.LN A.0334.LN 800591		1,868	541	0,161	44,24	11,73	31,18	6,23
R72C654 R72D654	800514 A.0335.LN A.0334.LN 800593		1,832	440	0,153	34,03	10,15	36,89	7,40
R72C664 R72D664	800547 A.0335.LN A.0334.LN 800585		2,071	752	0,126	22,50	4,89	167,05	20,27
R72C665 R72D665	800548 A.0335.LN A.0334.LN 800585		1,924	685	0,094	18,77	4,27	90,59	14,57
R72C666 R72D666	800547 A.0335.LN A.0334.LN 800705		2,253	830	0,166	68,69	8,08	195,82	22,13
R72C667 R72D667	800548 A.0335.LN A.0334.LN 800705		2,106	766	0,134	62,26	7,55	109,98	16,26

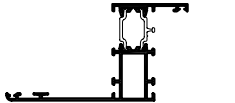
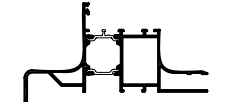
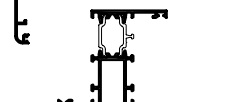
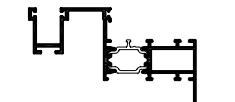
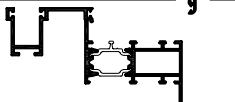
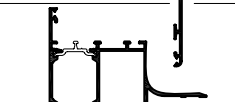
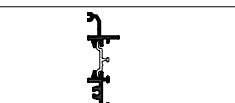
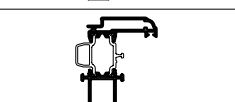
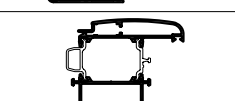
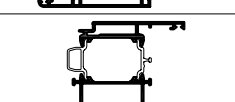
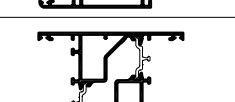
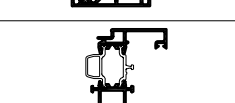
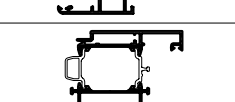
Le lettere C e D presenti nei codici sopra riportati stanno ad indicare rispettivamente:
C = profili interno ed esterno più barrette assemblati - es. R72C641
D = profili interno ed esterno più barrette non assemblati - es. R72D641
N.B.: I profilati sono forniti in lunghezza di 6800 mm

The letters C and D in the above codes indicate respectively:
C = Assembled internal and external sections with bars - ex. R72C641
D = Non assembled internal and external sections with bars - ex. R72D641
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 ³	Jy cm ⁴	Wy cm ³
R72C669 R72D669	800516 A.0334.LN A.0334.LN 800603		1,803	488	0,158	32,58	9,10	29,40	6,12
R72C670 R72D670	800504 A.0335.LN A.0334.LN 800604		1,517	527	0,143	30,82	8,47	28,26	4,47
R72C671 R72D671	800575 A.0335.LN A.0334.LN 800605		2,206	653	0,162	128,42	19,88	11,25	3,00
R72C672 R72D672	800504 A.0335.LN A.0334.LN 800607		1,358	444	0,114	25,81	7,88	10,04	2,74
R72C673 R72D673	800618 A.0334.LN A.0333.LN 800585		1,485	432	0,114	32,41	9,00	11,11	2,89
R72C675 R72D675	800621 A.0334.LN A.0333.LN 800585		1,539	430	0,116	34,76	9,30	11,42	2,94
R72C676 R72D676	800622 A.0335.LN A.0334.LN 800586		1,677	445	0,114	37,21	8,00	11,89	3,42
R72C677 R72D677	800508 A.0335.LN A.0334.LN 800608		1,477	500	0,137	29,17	8,43	12,08	3,14
R72C681 R72D681	800648 A.0335.LN A.0334.LN 800588		1,429	429	0,088	29,83	7,20	7,61	2,37
R72C682 R72D682	800648 A.0335.LN A.0334.LN 800585		1,541	491	0,114	35,91	9,41	11,28	3,01
R72C683 R72D683	800649 A.0333.LN A.0334.LN 800585		1,475	465	0,115	32,85	9,11	10,64	2,81
R72C684 R72D684	800650 A.0335.LN A.0334.LN 800586		1,690	450	0,117	37,62	8,03	12,50	3,60
R72C686 R72D686	800504 A.0335.LN A.0334.LN 800701		1,412	475	0,127	27,70	8,15	15,43	3,02

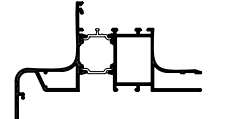
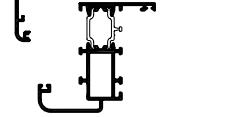
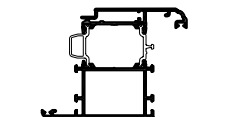
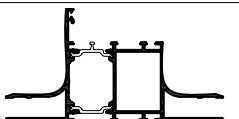
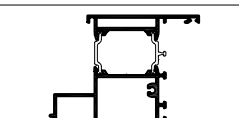
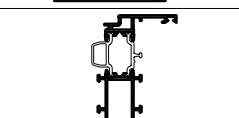
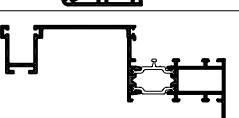
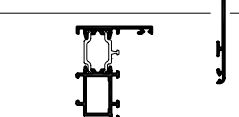
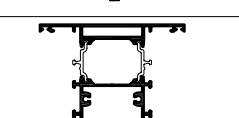
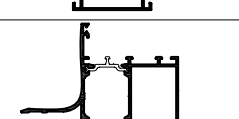
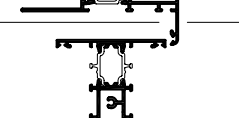
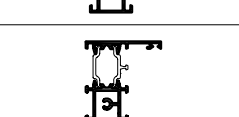
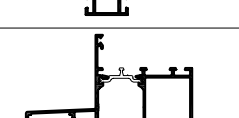
Le lettere C e D presenti nei codici sopra riportati stanno ad indicare rispettivamente:
C = profili interno ed esterno più barrette assemblati - es. R72C641
D = profili interno ed esterno più barrette non assemblati - es. R72D641
N.B.: I profilati sono forniti in lunghezza di 6800 mm

The letters C and D in the above codes indicate respectively:
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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 ³	Jy cm ⁴	Wy cm ³
R72C687 R72D687	800504 A.0335.LN A.0334.LN 800659		1,572	553	0,156	32,26	8,61	40,81	5,59
R72C688 R72D688	800690 A.0335.LN A.0334.LN 800689		2,797	892	0,267	78,00	10,27	210,86	23,19
R72C690 R72D690	800504 A.0335.LN A.0334.LN 800608		1,331	437	0,110	25,32	7,86	9,07	2,52
R72C691 R72D691	800548 A.0335.LN A.0334.LN 800701		2,010	724	0,112	27,80	4,67	98,19	15,25
R72C692 R72D692	800548 A.0335.LN A.0334.LN 800659		2,170	802	0,141	61,15	7,36	112,83	16,43
R72C694 R72D694	800514 A.0334.LN A.0335.LN 800727		1,999	592	0,150	26,63	5,35	67,61	11,18
R72C696 R72D696	800730 A.0334.LN 800731		0,889	361	0,016	18,75	4,25	0,58	0,40
R72C698 R72D698	800722 A.0333.LN A.0334.LN 800585		1,483	432	0,115	32,24	8,94	11,00	2,87
R72C700 R72D700	800770 A.0333.LN A.0334.LN 800591		1,915	477	0,165	45,99	11,93	32,66	6,44
R72C703 R72D703	800788 A.0333.LN A.0334.LN 800591		1,861	497	0,157	44,65	11,80	27,88	5,70
R72C704 R72D704	800797 A.0334.LN A.0334.LN 800796		1,955	513	0,158	36,36	10,08	28,39	5,92
R72C705 R72D705	800802 A.0333.LN A.0334.LN 800585		1,477	465	0,119	33,12	9,14	11,05	2,90
R72C706 R72D706	800805 A.0333.LN A.0334.LN 800591		1,876	512	0,161	44,65	11,76	31,86	6,33

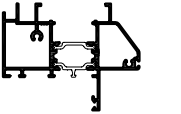
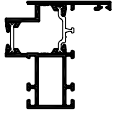
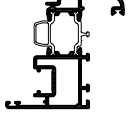
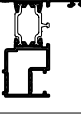
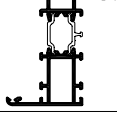
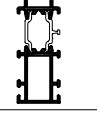
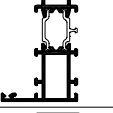
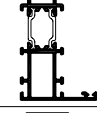
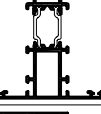
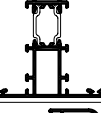
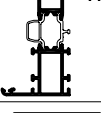
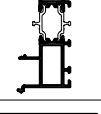

Le lettere C e D presenti nei codici sopra riportati stanno ad indicare rispettivamente:
C = profili interno ed esterno più barrette assemblati - es. R72C641
D = profili interno ed esterno più barrette non assemblati - es. R72D641
N.B.: I profilati sono forniti in lunghezza di 6800 mm

The letters C and D in the above codes indicate respectively:
C = Assembled internal and external sections with bars - ex. R72C641
D = Non assembled internal and external sections with bars - ex. R72D641
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 ³	Jy cm ⁴	Wy cm ³
R72C707 R72D707	800806 A.0335.LN A.0334.LN 800689		2,943	890	0,261	82,85	11,00	216,42	23,30
R72C708 R72D708	800504 A.0335.LN A.0334.LN 800825		1,467	501	0,120	32,45	8,93	13,82	3,58
R72C709 R72D709	800827 A.0333.LN A.0334.LN 800591		1,878	545	0,161	44,58	11,77	31,53	6,28
R72C710 R72D710	800828 A.0335.LN A.0334.LN 800727		2,465	741	0,166	30,78	5,85	122,13	16,73
R72C712 R72D712	800832 A.0335.LN A.0334.LN 800593		2,045	461	0,153	48,81	13,50	39,03	7,89
R72C713 R72D713	800831 A.0333.LN A.0334.LN 800585		1,425	443	0,109	31,88	8,64	8,87	2,42
R72C714 R72D714	800547 A.0335.LN A.0334.LN 800659		2,317	865	0,173	67,78	7,92	201,18	22,37
R72C715 R72D715	800504 A.0335.LN A.0334.LN 800835		1,159	352	0,061	17,98	4,84	4,97	1,55
R72C719 R72D719	800789 A.0334.LN A.0334.LN 800603		1,995	506	0,154	45,28	11,03	31,07	6,47
R72C720 R72D720	800828 A.0335.LN A.0334.LN 800591		2,092	644	0,172	32,00	6,19	67,81	11,47
R72C721 R72D721	800508 A.0334.LN A.0334.LN 800852		1,424	465	0,112	24,55	6,66	9,11	2,52
R72C722 R72D722	800504 A.0335.LN A.0334.LN 800852		1,296	373	0,085	21,31	6,24	5,47	1,65
R72C723 R72D723	800589 A.0335.LN A.0334.LN 800591		2,183	617	0,187	86,50	14,09	31,66	6,13

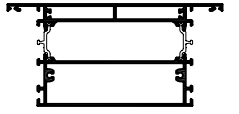

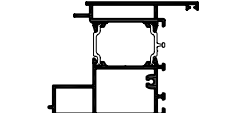
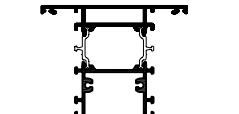
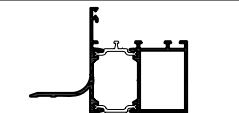
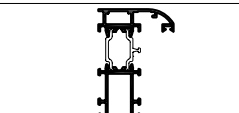
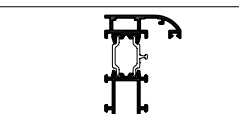
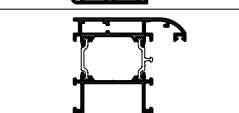
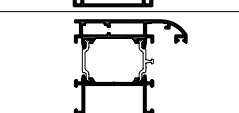
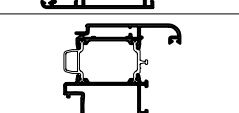
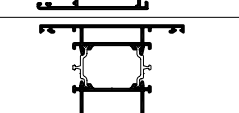
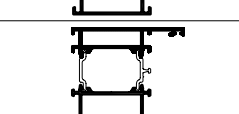
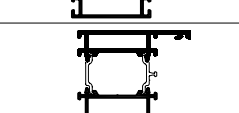
Le lettere C e D presenti nei codici sopra riportati stanno ad indicare rispettivamente:
C = profili interno ed esterno più barrette assemblati - es. R72C641
D = profili interno ed esterno più barrette non assemblati - es. R72D641
N.B.: I profilati sono forniti in lunghezza di 6800 mm

The letters C and D in the above codes indicate respectively:
C = Assembled internal and external sections with bars - ex. R72C641
D = Non assembled internal and external sections with bars - ex. R72D641
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 ³	Jy cm ⁴	Wy cm ³
R72C725 R72D725	800875 A.0335.LN A.0334.LN 800876		1,870	520	0,102	49,36	10,40	16,21	4,00
R72C726 R72D726	800860 A.0320.LN A.0334.LN 800861		1,364	384	0,083	21,68	5,94	9,76	2,62
R72C728 R72D728	800907 A.0333.LN A.0334.LN 800909		1,588	504	0,123	35,01	9,53	12,47	3,27
R72C729 R72D729	800871 A.0335.LN A.0334.LN 800910		1,304	376	0,104	23,05	6,51	7,45	2,12
R72C730 R72D730	800912 A.0335.LN A.0334.LN 800585		1,492	481	0,111	37,49	9,83	9,44	2,61
R72C731 R72D731	800912 A.0335.LN A.0334.LN 800588		1,380	419	0,085	31,41	7,57	6,08	1,82
R72C732 R72D732	800913 A.0335.LN A.0334.LN 800608		1,612	548	0,130	42,85	10,48	12,77	3,35
R72C733 R72D733	800914 A.0335.LN A.0335.LN 800608		1,366	406	0,085	31,66	7,82	6,02	1,80
R72C734 R72D734	800914 A.0335.LN A.0335.LN 800597		1,483	469	0,112	35,98	8,30	9,62	2,67
R72C735 R72D735	800912 A.0335.LN A.0335.LN 800597		1,602	533	0,139	43,06	10,78	12,69	3,32
R72C736 R72D736	800915 A.0335.LN A.0335.LN 800585		1,570	496	0,104	45,45	10,84	10,65	2,84
R72C737 R72D737	800916 A.0334.LN A.0334.LN 800586		1,489	471	0,109	36,91	8,27	8,63	2,44
R72C738 R72D738	800913 A.0334.LN A.0334.LN 800588		1,507	518	0,103	35,52	8,01	9,74	2,71

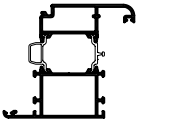
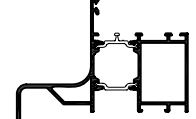
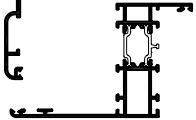
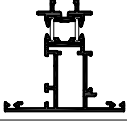

Le lettere C e D presenti nei codici sopra riportati stanno ad indicare rispettivamente:
C = profili interno ed esterno più barrette assemblati - es. R72C641
D = profili interno ed esterno più barrette non assemblati - es. R72D641
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The letters C and D in the above codes indicate respectively:
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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 ³	Jy cm ⁴	Wy cm ³
R72C739 R72D739	800688 A.0334.LN A.0334.LN 800589		3,229	675	0,282	84,49	19,54	204,93	25,94
R72C740 R72D740	800688 A.0335.LN A.0334.LN 800590		3,335	722	0,309	90,93	22,00	219,08	26,84
R72C741 R72D741	800778 A.0335.LN A.0334.LN 800593		2,136	479	0,155	55,36	14,47	40,99	8,19
R72C742 R72D742	800922 A.0334.LN A.0334.LN 800603		2,030	560	0,154	49,28	11,71	31,71	6,61
R72C743 R72D743	800828 A.0335.LN A.0334.LN 800592		1,979	582	0,147	26,59	5,36	59,66	10,56
R72C744 R72D744	800917 A.0335.LN A.0334.LN 800588		1,475	436	0,093	31,91	7,48	7,56	2,34
R72C745 R72D745	800917 A.0335.LN A.0334.LN 800585		1,587	497	0,119	38,40	9,74	11,18	2,99
R72C746 R72D746	800918 A.0335.LN A.0334.LN 800592		1,888	483	0,140	43,88	10,14	26,91	6,10
R72C747 R72D747	800918 A.0335.LN A.0334.LN 800591		2,001	545	0,165	50,68	12,44	33,99	6,89
R72C748 R72D748	800919 A.0333.LN A.0334.LN 800921		1,964	546	0,164	46,11	12,45	32,33	6,68
R72C749 R72D749	800922 A.0334.LN A.0334.LN 800592		1,872	562	0,154	46,43	10,60	30,39	6,33
R72C750 R72D750	800923 A.0335.LN A.0334.LN 800592		1,743	468	0,127	42,33	10,17	23,22	5,14
R72C751 R72D751	800923 A.0335.LN A.0334.LN 800591		1,856	530	0,152	48,57	12,46	29,98	6,23

Le lettere C e D presenti nei codici sopra riportati stanno ad indicare rispettivamente:
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N.B.: I profilati sono forniti in lunghezza di 6800 mm

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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 ³	Jy cm ⁴	Wy cm ³
R72C752 R72D752	800924 A.0333.LN A.0334.LN 800591		1,960	545	0,151	59,24	14,08	32,40	6,52
R72C753 R72D753	800690 A.0335.LN A.0334.LN 800925		2,424	720	0,248	76,52	10,00	129,00	20,50
R72C754 R72D754	800912 A.0335.LN A.0334.LN 800659		1,738	588	0,158	48,00	11,23	42,11	5,68
R72C756 R72D756	800943 A.0318.LN A.0318.LN 800942		1,380	392	0,075	20,33	5,74	7,94	2,38
R72C757 R72D757	800944 A.0335.LN A.0335.LN 800944		1,512	442	0,210	12,52	7,16	43,60	8,07



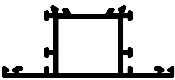
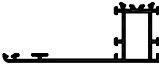
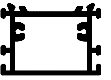

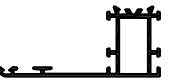
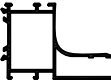


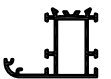
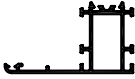
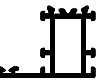



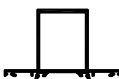
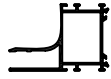









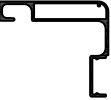
Le lettere C e D presenti nei codici sopra riportati stanno ad indicare rispettivamente:
C = profili interno ed esterno più barrette assemblati - es. R72C641
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The sections are supplied with length of 6800 mm

Profilato Section	Sezione Cross section	Peso Weight Kg/m	Perim. Perim. mm	Sup. in vista Expose surface m /m ²	Profilato Section	Sezione Cross section	Peso Weight Kg/m	Perim. Perim. mm	Sup. in vista Expose surface m /m ²
100009		0,234	82	0,029	800540		0,389	157	0,052
100342		0,143	64	0,025	800547		1,135	485	0,072
600040		0,900	333	0,057	800548		0,988	420	0,040
600041		0,838	306	0,052	800575		1,315	416	0,125
800129		0,324	182	0,074	800581		0,314	163	0,015
800291		0,629	231	0,080	800585		0,758	284	0,054
800504		0,390	172	0,055	800586		0,710	247	0,034
800507		0,497	193	0,060	800587		0,461	213	0,073
800508		0,506	236	0,082	800588		0,646	221	0,028
800511		0,924	409	0,168	800589		1,519	395	0,114
800514		0,506	221	0,079	800590		1,637	459	0,141
800516		0,623	285	0,106	800591		0,942	333	0,077
800517		0,714	239	0,084	800592		0,829	271	0,052
800538		0,272	108	0,028	800593		1,148	285	0,074

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

The sections are supplied with length of 6800 mm

Profilato Section	Sezione Cross section	Peso Weight Kg/m	Perim. Perim. mm	Sup. in vista Expose surface m /m ²	Profilato Section	Sezione Cross section	Peso Weight Kg/m	Perim. Perim. mm	Sup. in vista Expose surface m /m ²
800597		0,880	350	0,082	800650		0,802	222	0,083
800598		1,063	399	0,106	800659		1,004	518	0,159
800603		0,987	271	0,052	800688		1,520	458	0,168
800604		0,949	376	0,088	800689		1,188	423	0,071
800605		0,713	258	0,037	800690		1,431	531	0,196
800607		0,790	292	0,059	800701		0,844	324	0,072
800608		0,763	285	0,055	800705		0,940	366	0,094
800613		0,911	363	0,074	800722		0,513	164	0,061
800617		1,370	381	0,206	800727		1,315	431	0,071
800618		0,515	163	0,060	800728		0,297	122	0,042
800621		0,569	162	0,062	800729		0,383	159	0,058
800622		0,786	219	0,080	800730		0,297	131	0,000
800648		0,602	229	0,060	800731		0,497	197	0,016
800649		0,505	197	0,061	800737		0,980	333	0,105

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

The sections are supplied with length of 6800 mm

Profilato Section	Sezione Cross section	Peso Weight Kg/m	Perim. Perim. mm	Sup. in vista Expose surface m /m ²	Profilato Section	Sezione Cross section	Peso Weight Kg/m	Perim. Perim. mm	Sup. in vista Expose surface m /m ²
800738		0,170	92	0,027	800805		0,722	245	0,084
800759		1,370	469	0,188	800806		1,577	518	0,190
800760		1,043	354	0,146	800822		0,228	128	0,062
800761		1,193	389	0,165	800825		0,899	349	0,065
800762		1,542	540	0,222	800827		0,724	246	0,084
800770		0,761	210	0,087	800828		0,972	383	0,095
800778		0,810	102	0,087	800830		0,495	221	0,054
800780		0,432	216	0,027	800831		0,455	175	0,055
800788		0,707	229	0,080	800832		0,719	236	0,085
800789		0,818	300	0,102	800835		0,591	201	0,006
800796		0,769	235	0,052	800839		0,498	188	0,080
800797		0,996	362	0,106	800852		0,728	222	0,030
800798		0,460	130	0,064	800859		1,063	356	0,110
800802		0,507	197	0,065	800860		0,523	222	0,055





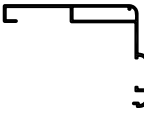
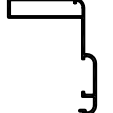
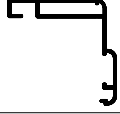



N.B.: I profilati sono forniti in lunghezza di 6800 mm

The sections are supplied with length of 6800 mm

Profilato Section	Sezione Cross section	Peso Weight Kg/m	Perim. Perim. mm	Sup. in vista Expose surface m /m ²	Profilato Section	Sezione Cross section	Peso Weight Kg/m	Perim. Perim. mm	Sup. in vista Expose surface m /m ²
800861		0,693	248	0,028	800919		0,731	239	0,086
800871		0,450	202	0,075	800921		1,021	341	0,078
800875		0,800	269	0,059	800922		0,853	331	0,102
800876		0,892	272	0,043	800923		0,736	267	0,075
800907		0,523	197	0,066	800924		0,806	263	0,074
800909		0,853	299	0,057	800925		0,815	259	0,052
800910		0,676	194	0,029	800942		0,964	323	0,075
800912		0,556	218	0,057	800943		0,328	128	0,000
800913		0,671	282	0,075	800944		0,673	267	0,100
800914		0,437	154	0,030	900106		0,262	152	0,062
800915		0,600	215	0,050	900162		0,370	202	0,070
800916		0,589	242	0,075	900221		0,167	57	0,015
800917		0,651	234	0,065	900297		0,996	533	0,185
800918		0,881	283	0,088	900316		0,213	133	0,068






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

The sections are supplied with length of 6800 mm

Profilato Section	Sezione Cross section	Peso Weight Kg/m	Perim. Perim. mm	Sup. in vista Expose surface m /m ²	Profilato Section	Sezione Cross section	Peso Weight Kg/m	Perim. Perim. mm	Sup. in vista Expose surface m /m ²
900319		0,413	138	0,000					
900362		0,440	124	0,062					
900390		0,286	104	0,030					
900424		0,219	93	0,037					
900600		1,102	441	0,186					
900601		0,820	302	0,136					
900602		0,980	381	0,156					
1F14039		0,411	103	0,000					
1F14041		0,633	199	0,000					
1F14042		0,141	77	0,000					

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

The sections are supplied with length of 6800 mm

Codice Code	Sezione Cross section	Peso Weight Kg/m
A.0318.LN		0,043
A.0320.LN		0,052
A.0333.LN		0,117
A.0334.LN		0,096
A.0335.LN		0,083

Scala 1:1
Scale 1:1

A.0318.LN



A.0320.LN



A.0333.LN



A.0334.LN

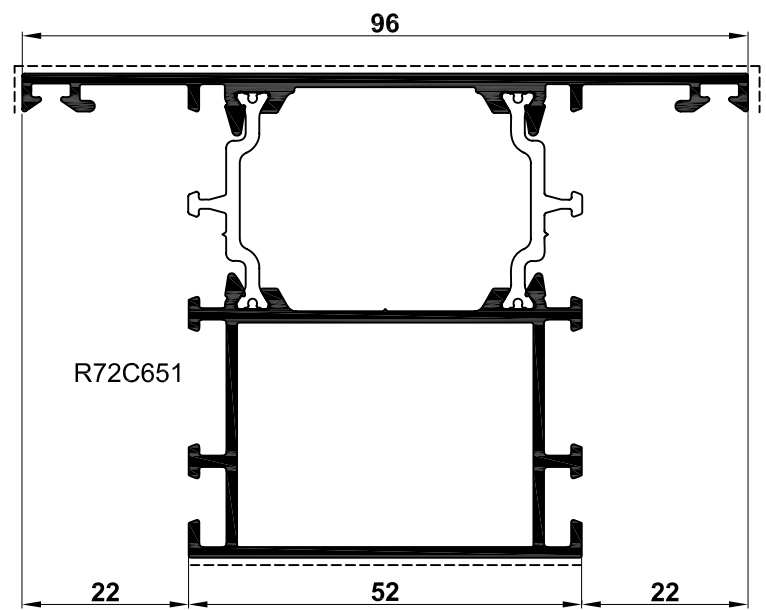
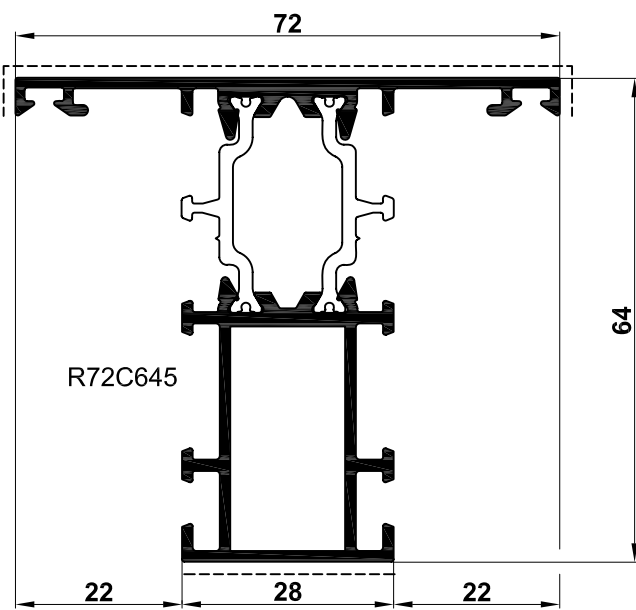
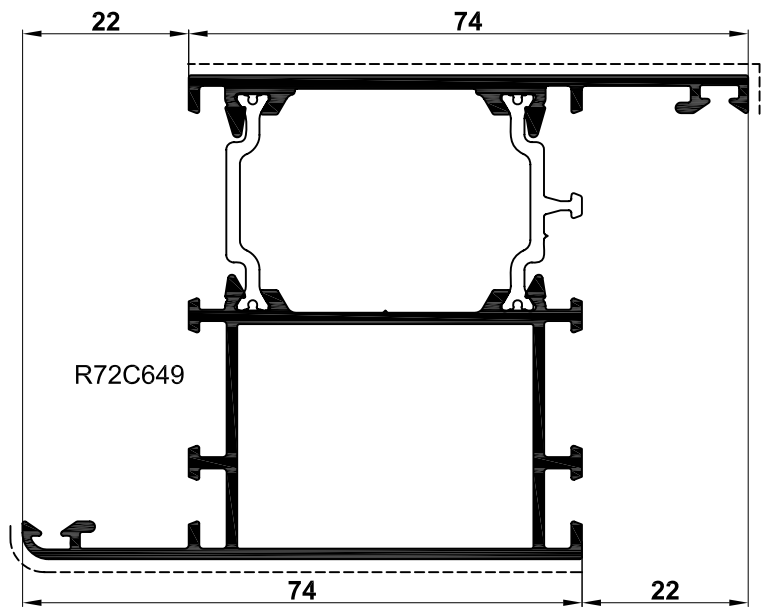
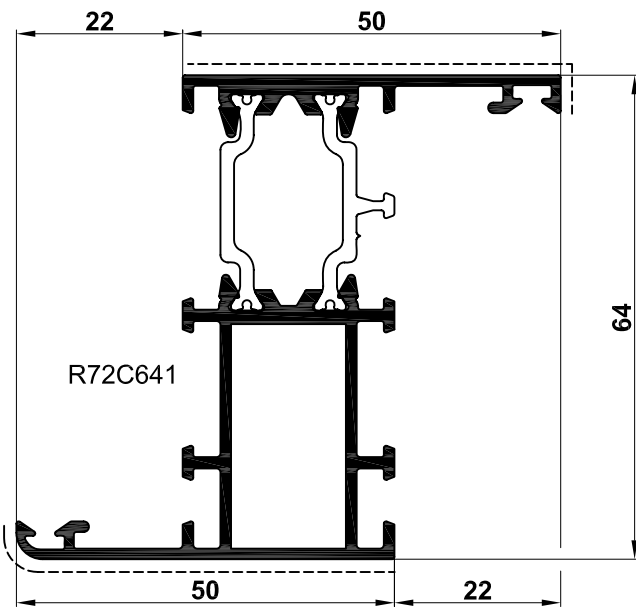
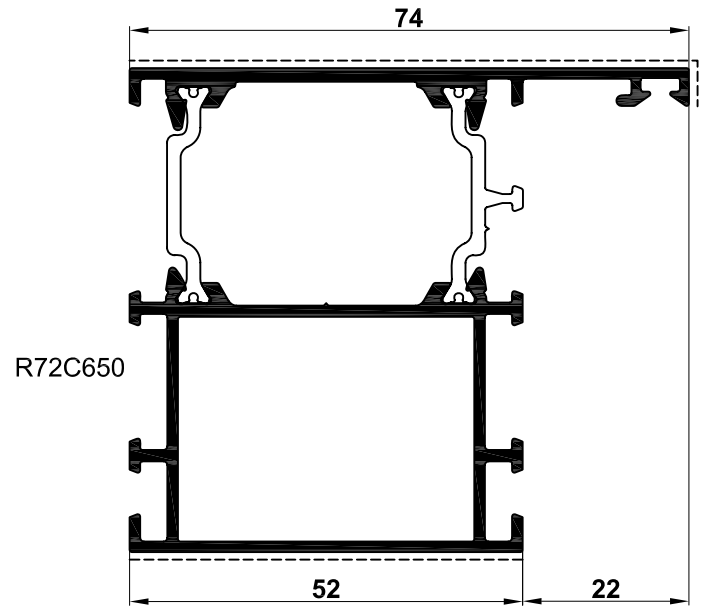
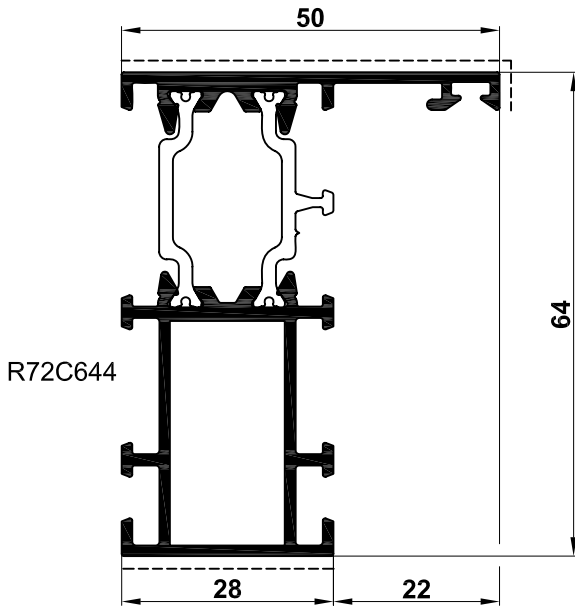


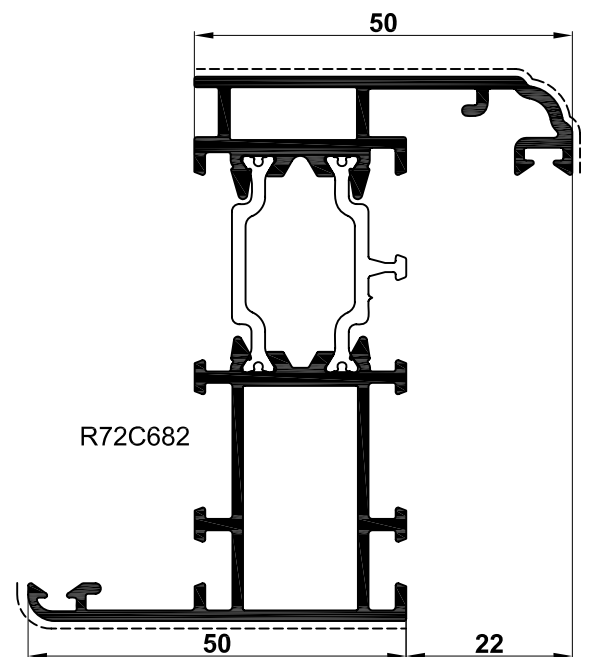
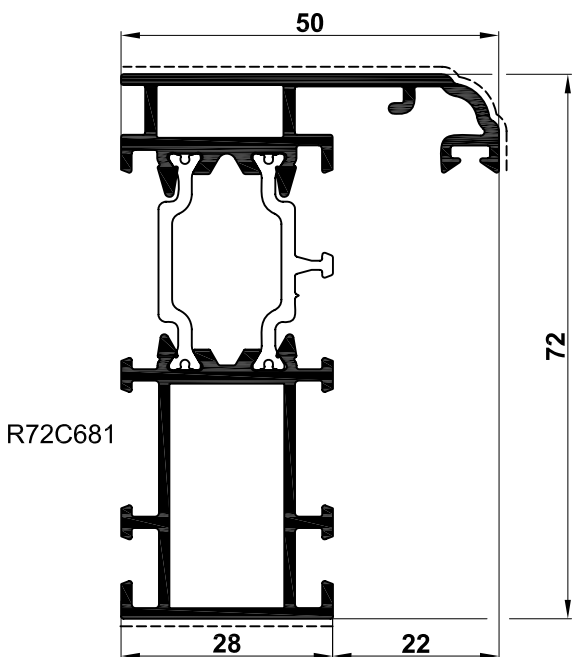
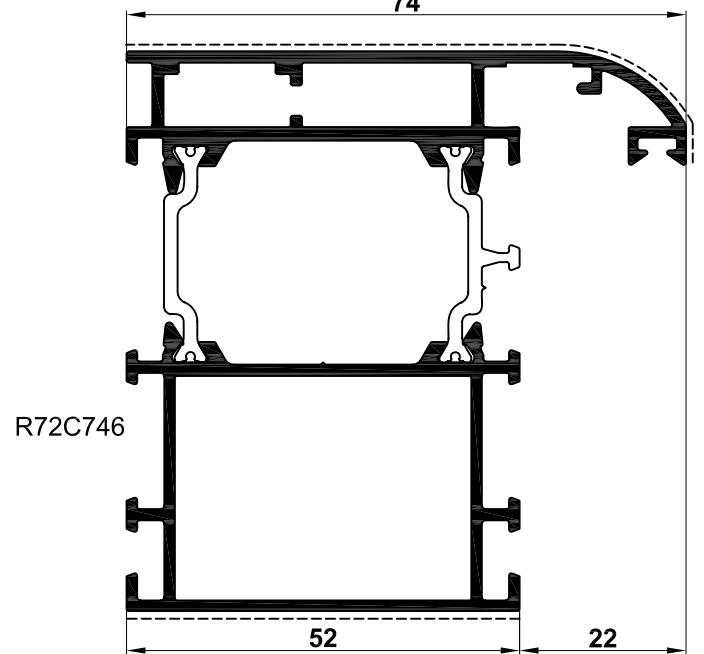
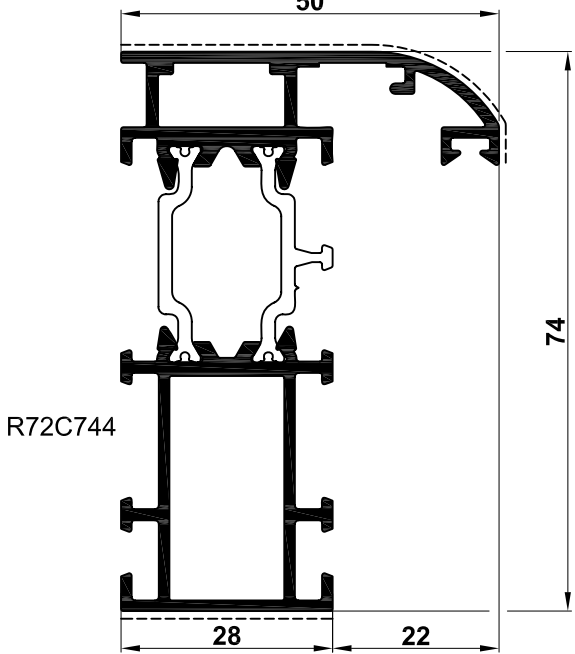
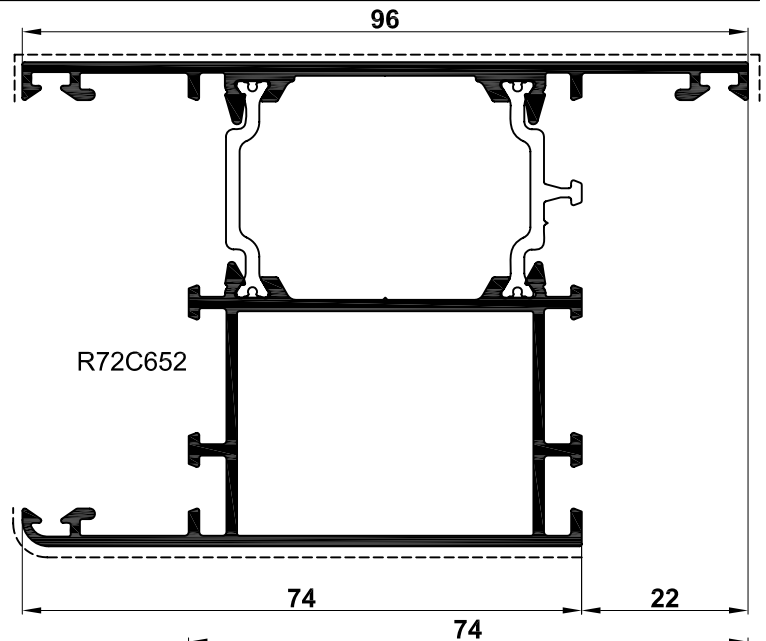
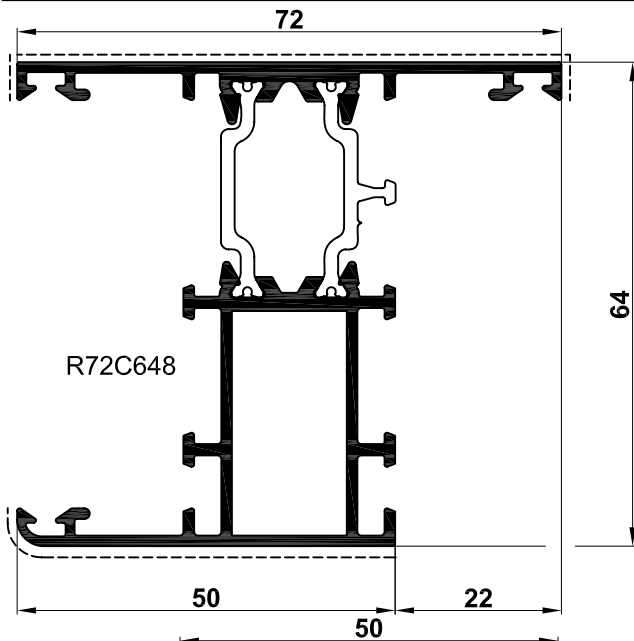
A.0335.LN

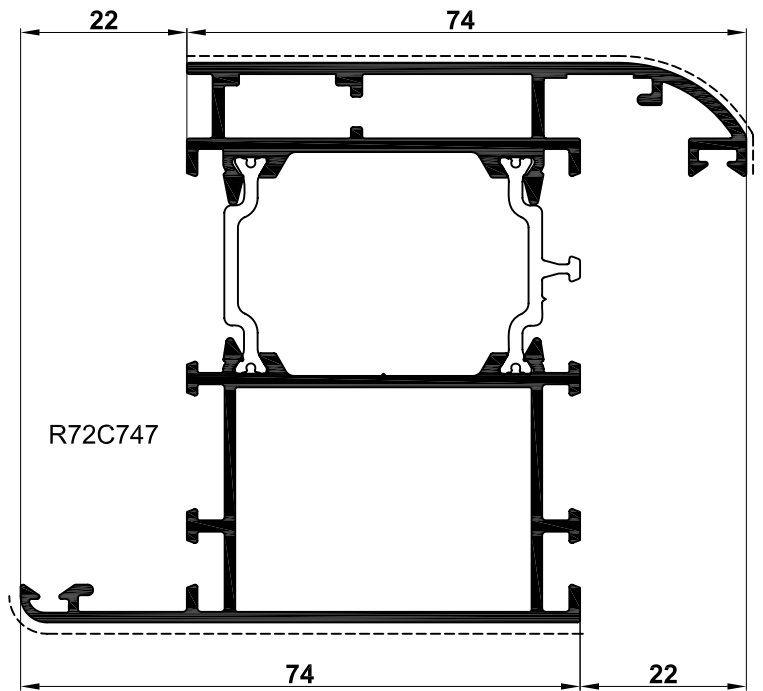
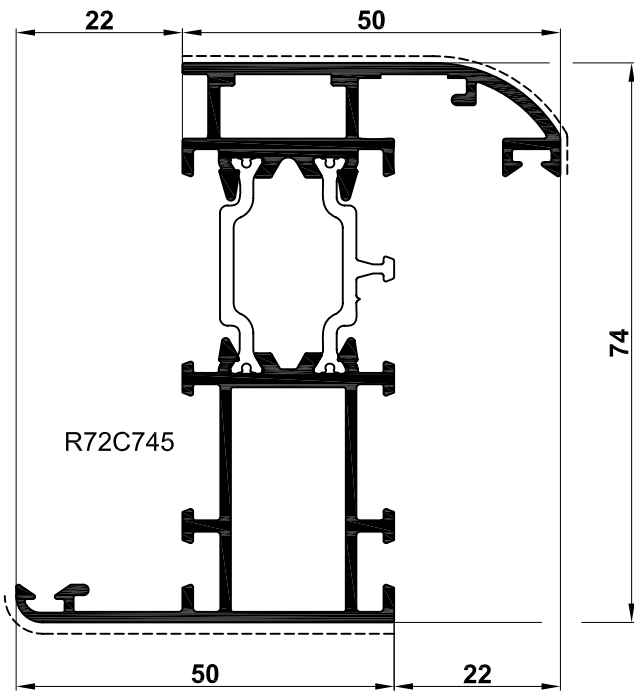
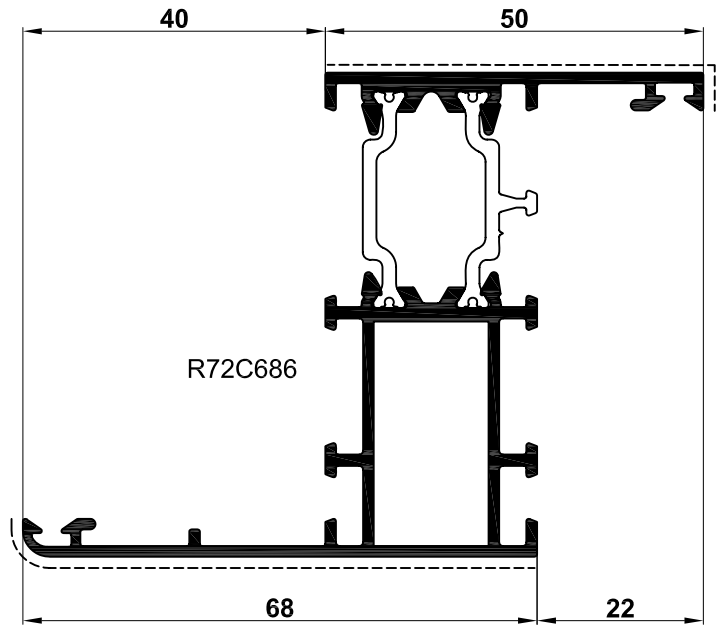
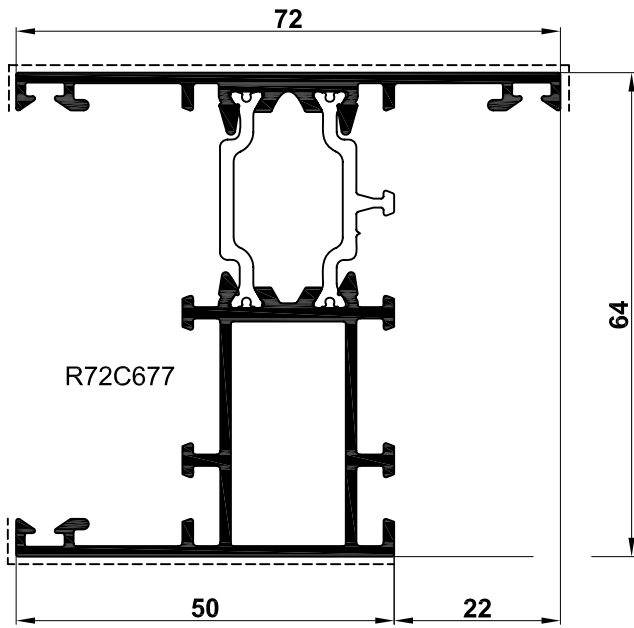


N.B.: I profilati sono forniti in lunghezza di 6800 mm

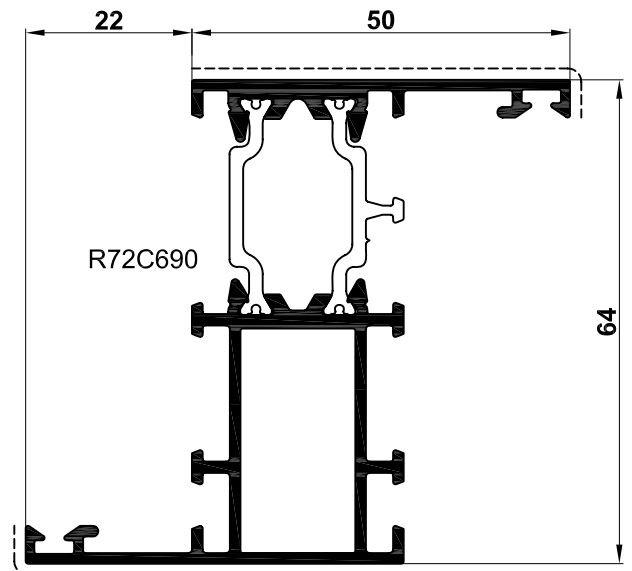
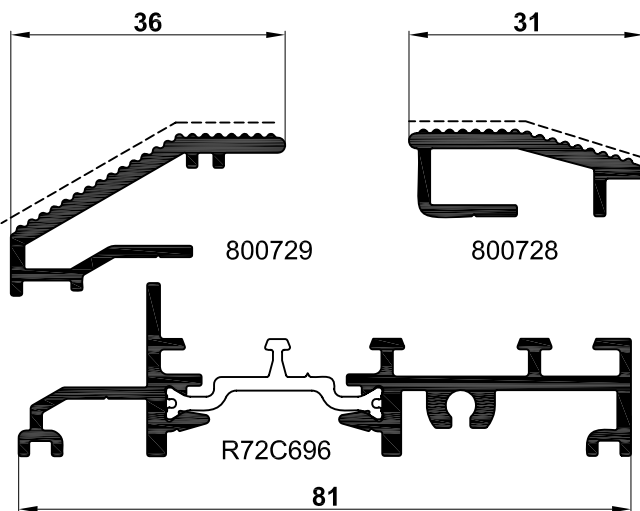
The sections are supplied with length of 6800 mm

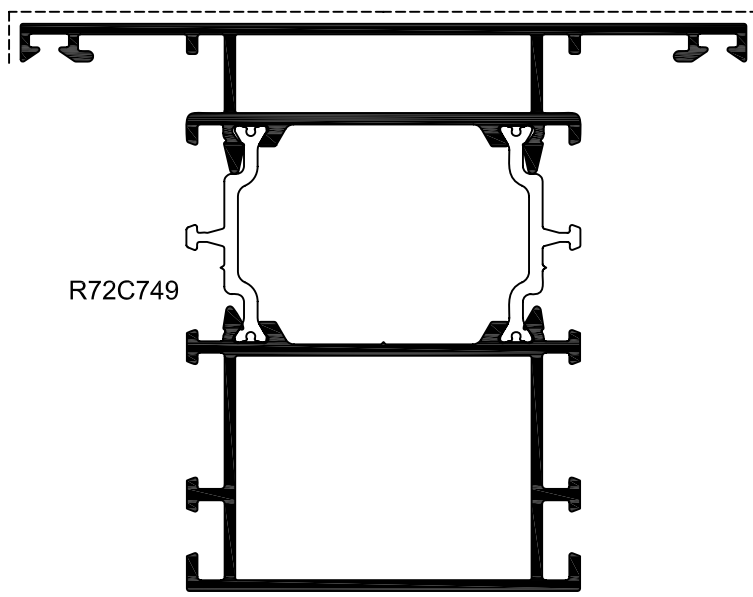
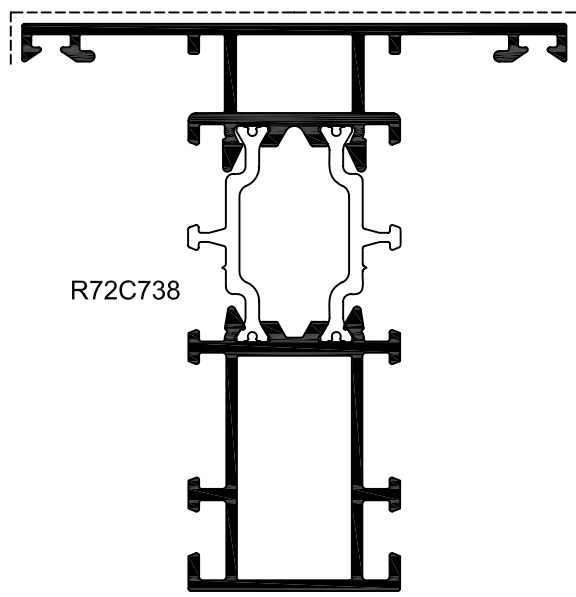
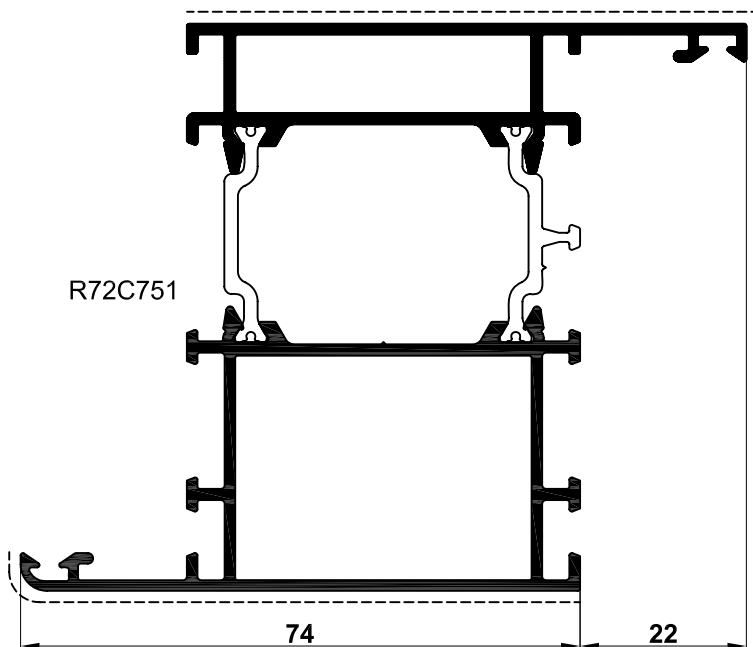
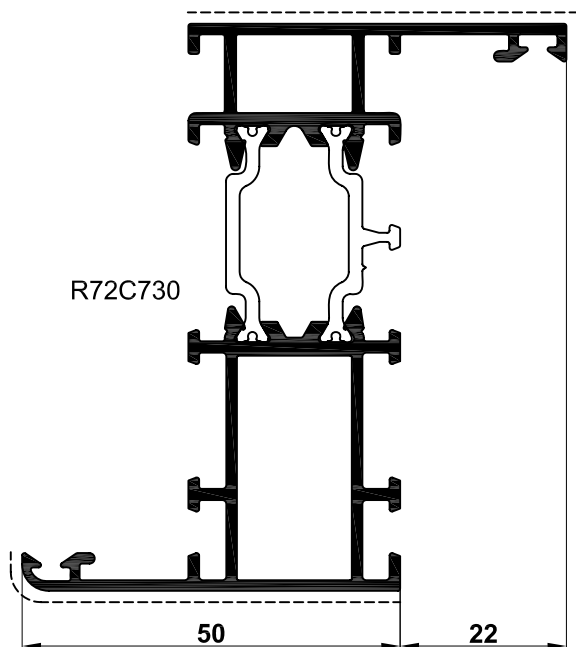
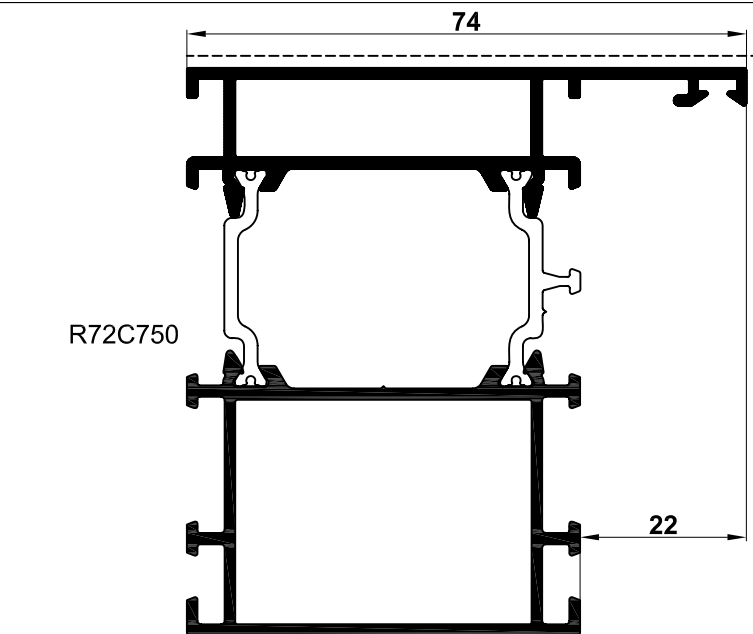
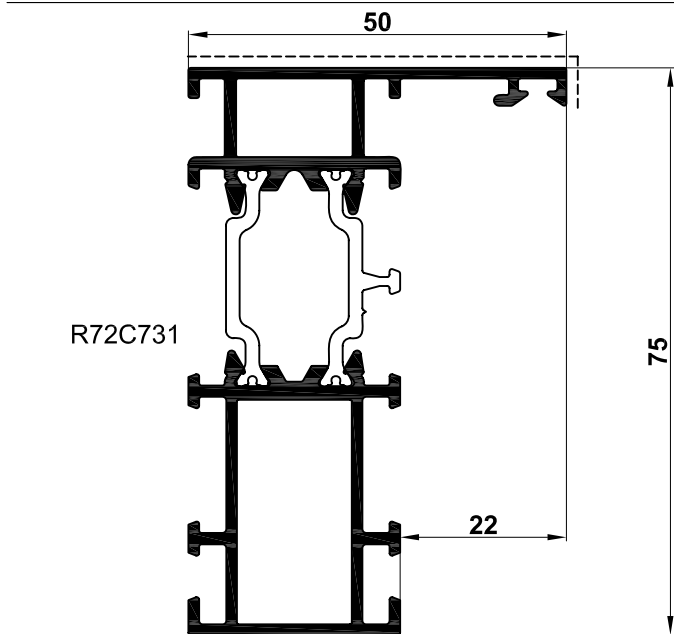






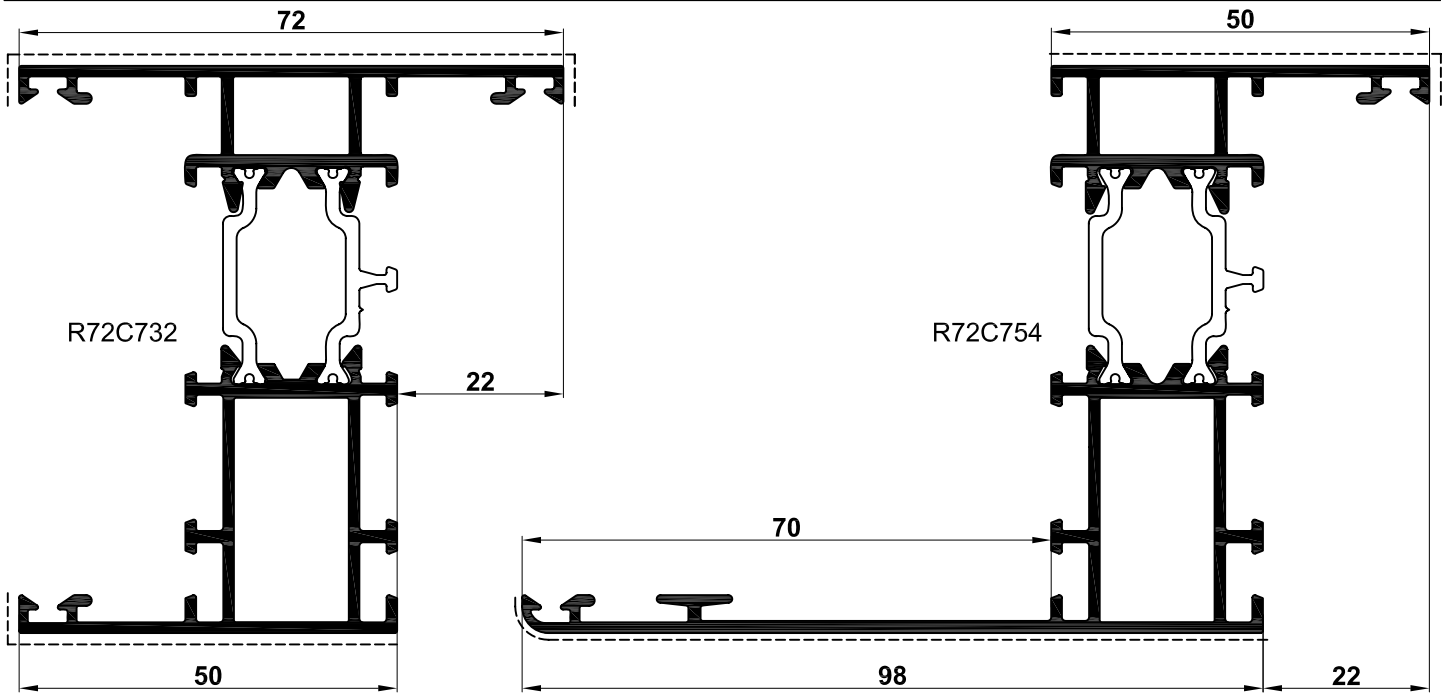
PROFILATI PER SOGLIA
FRAME SECTIONS



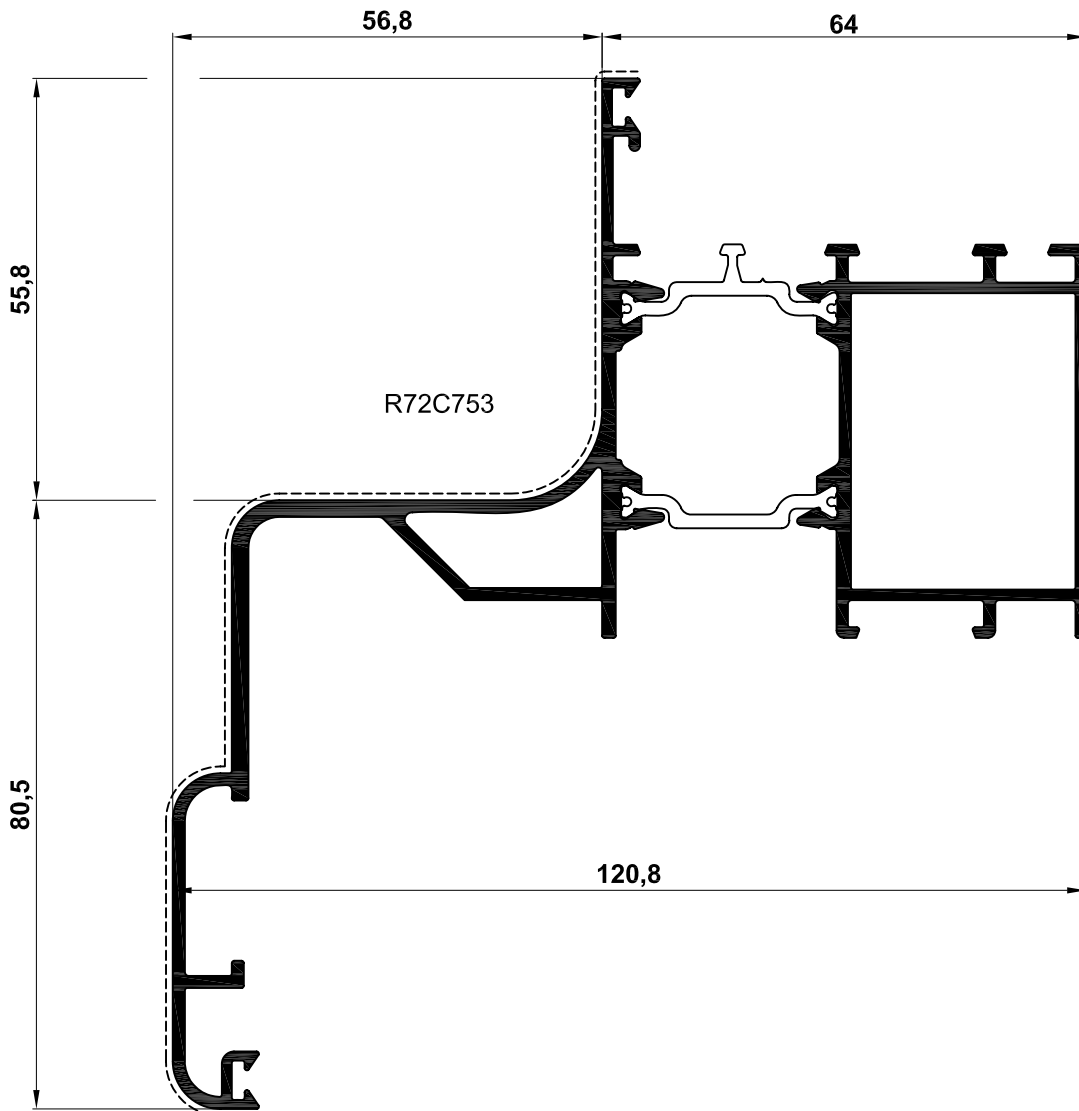


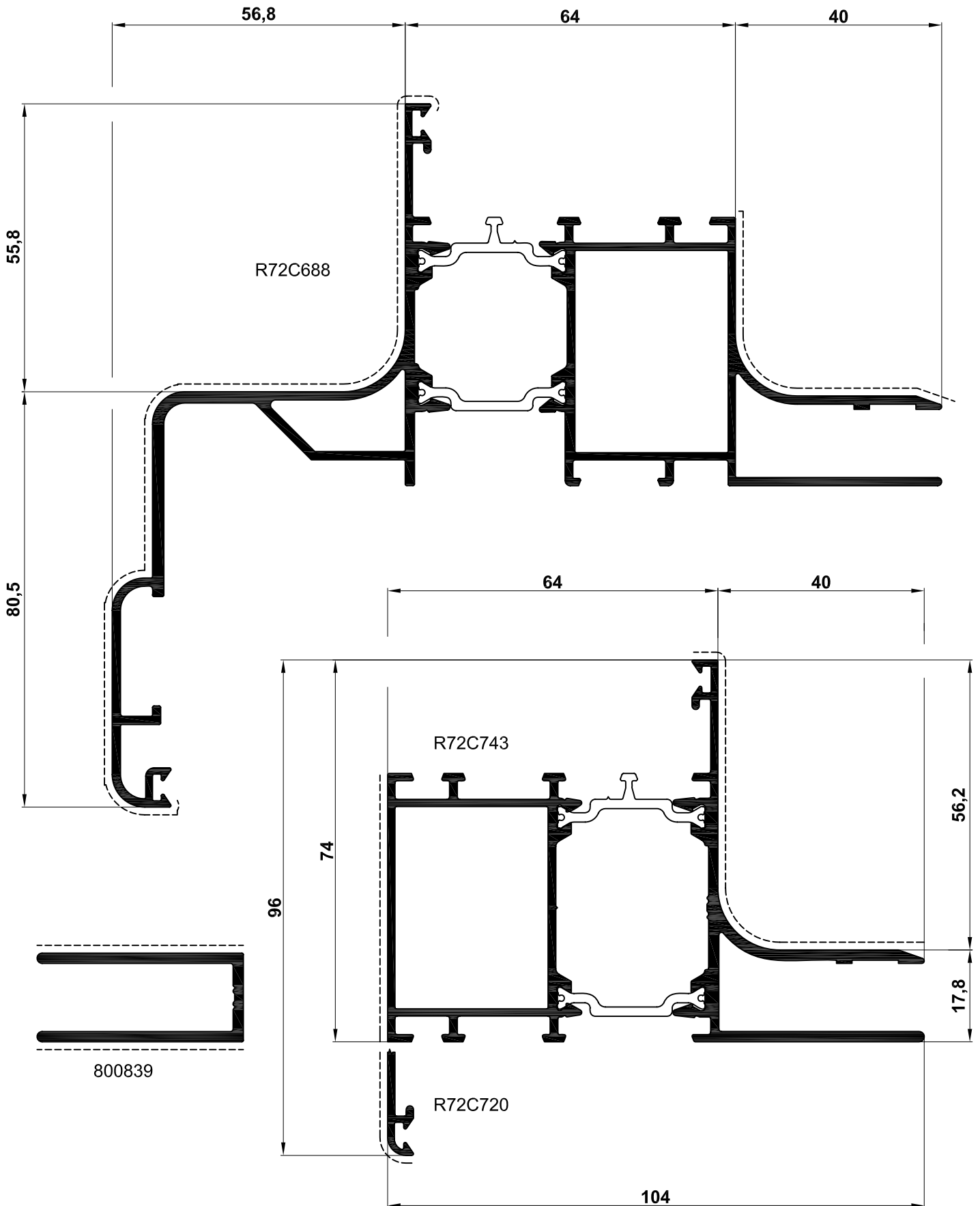
TELAI "TUBOLARI ESTERNI"
FRAMES "EXTERNAL TUBULAR"

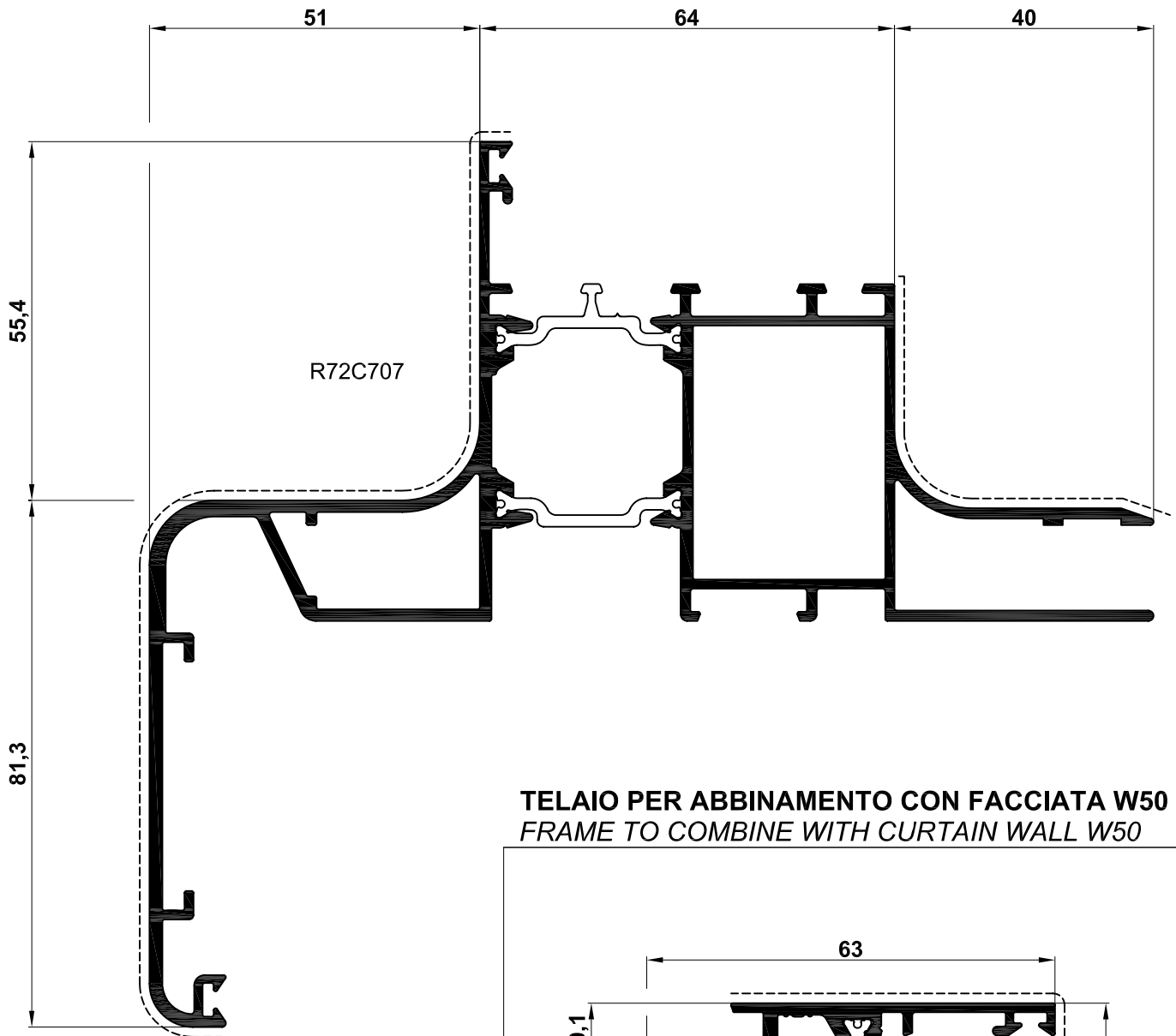
R 72^{TT 1.3}
 SYSTEM



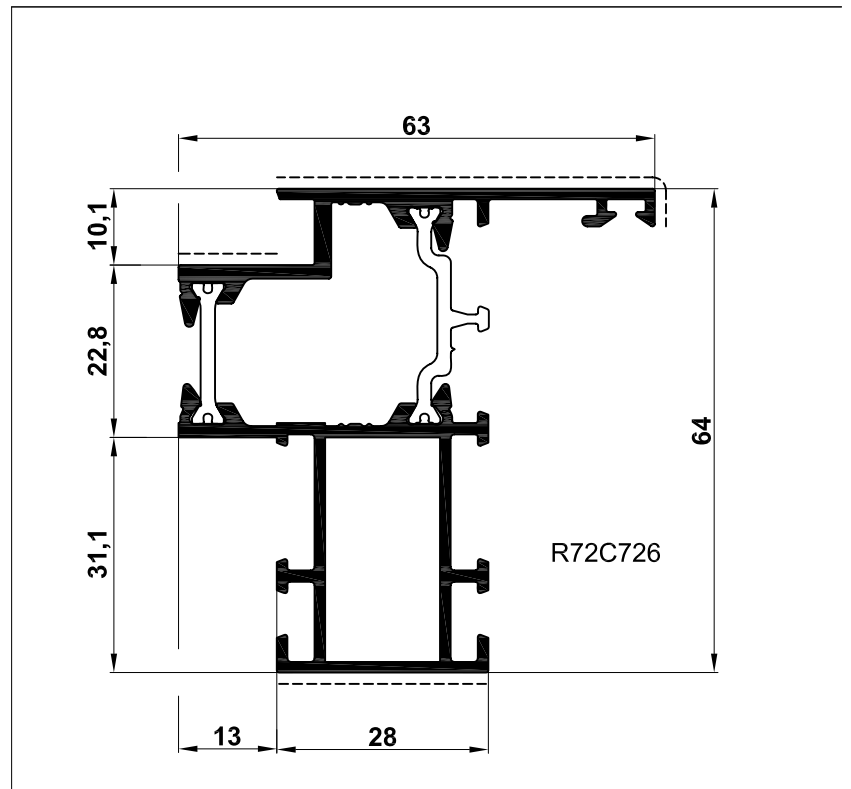
TELAI SPECIALI
SPECIAL FRAMES

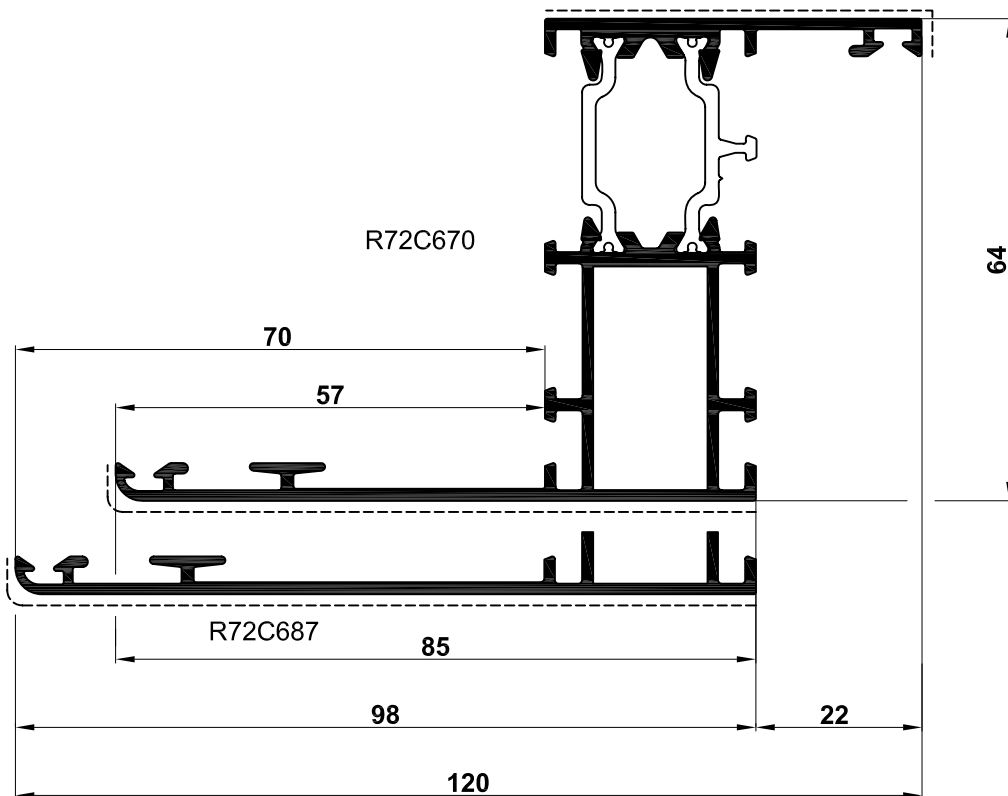
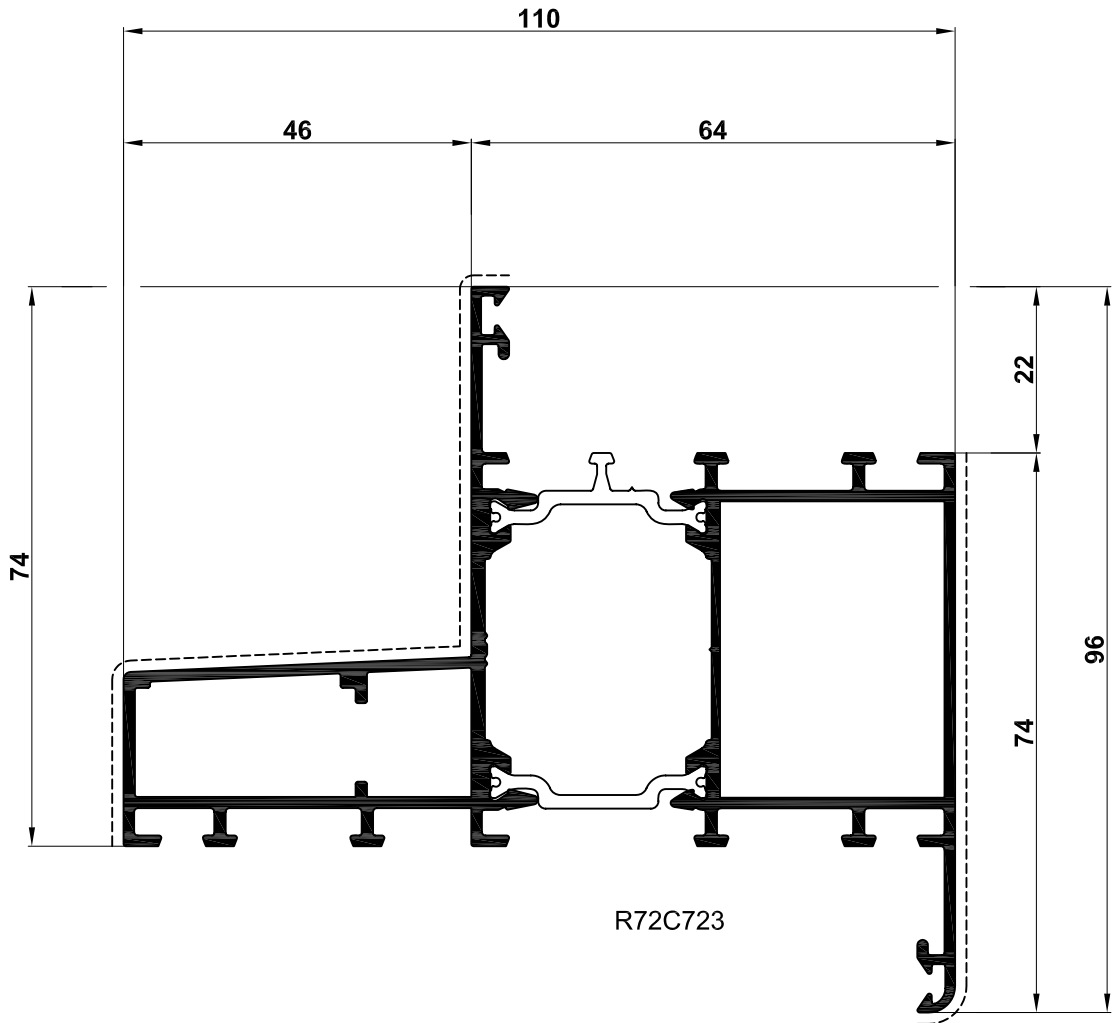


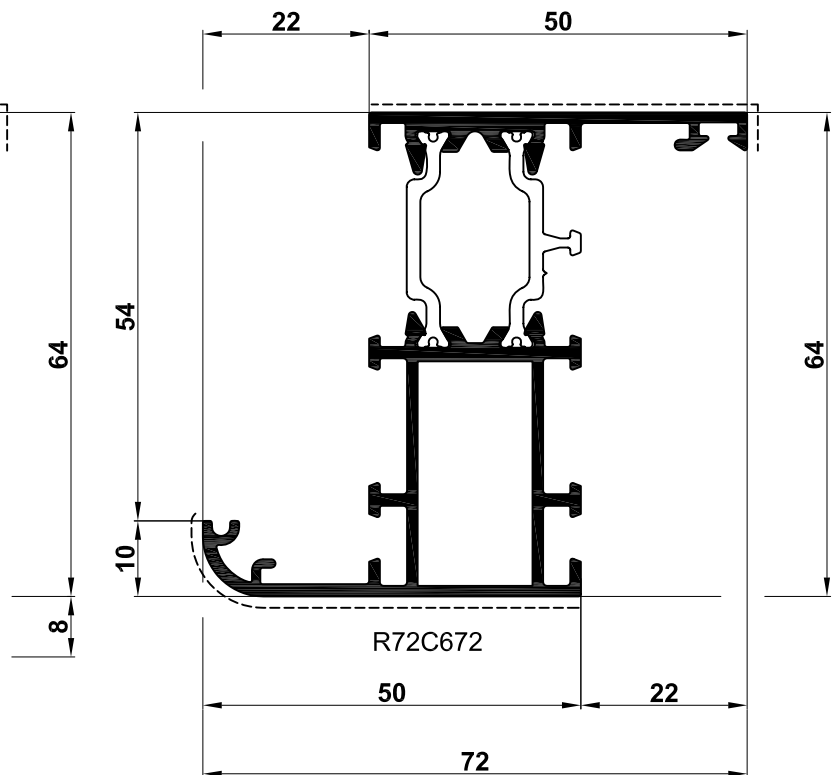
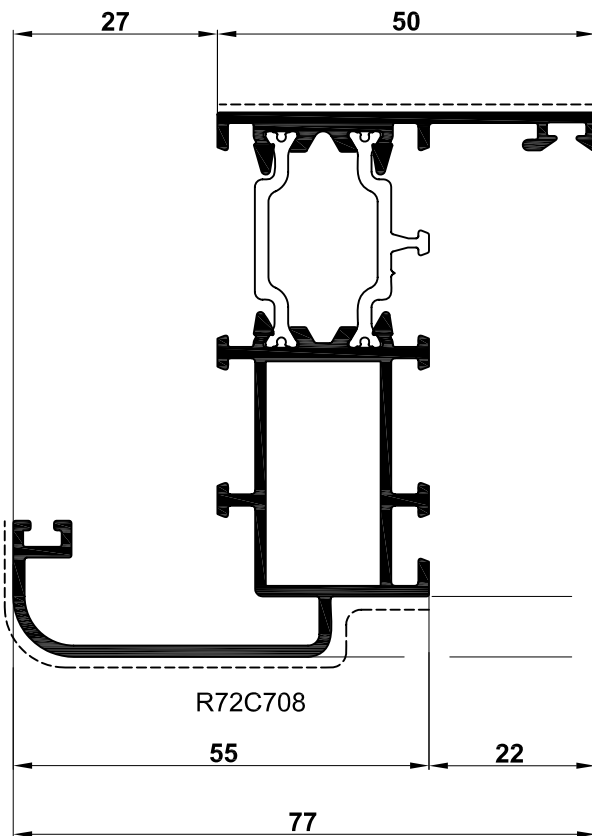
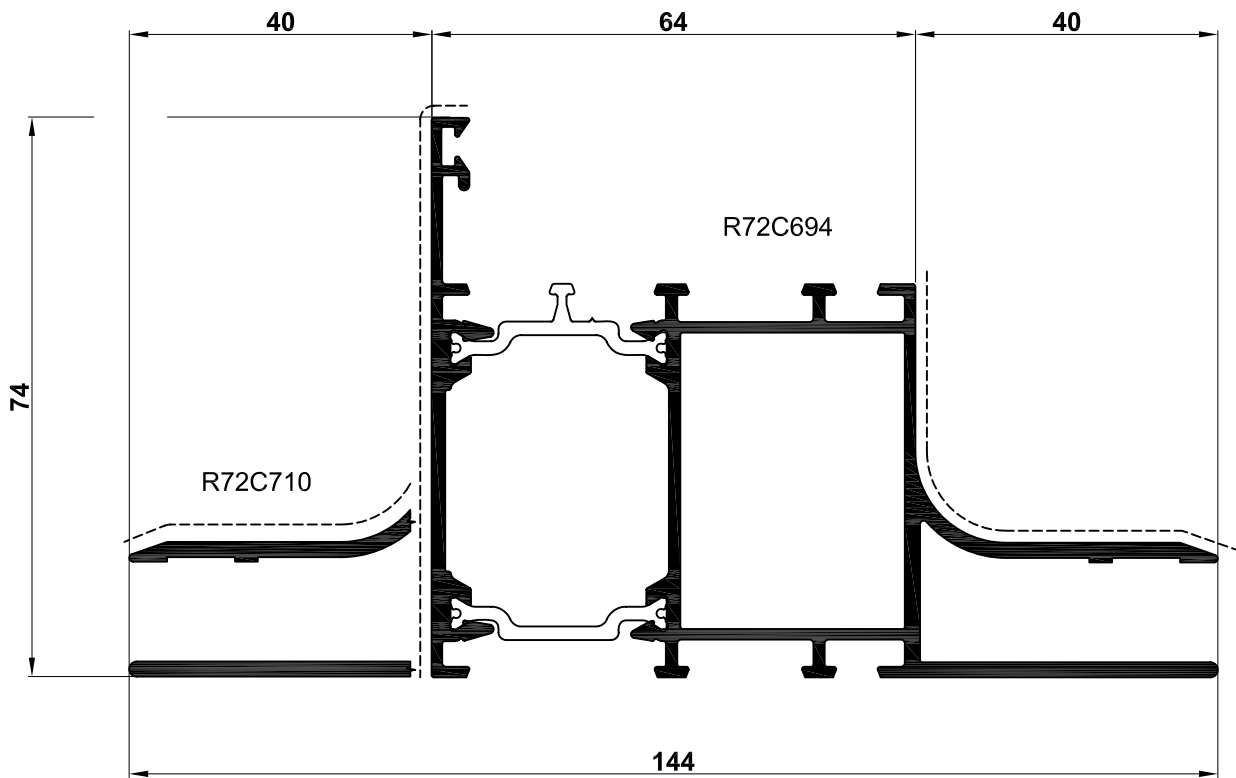


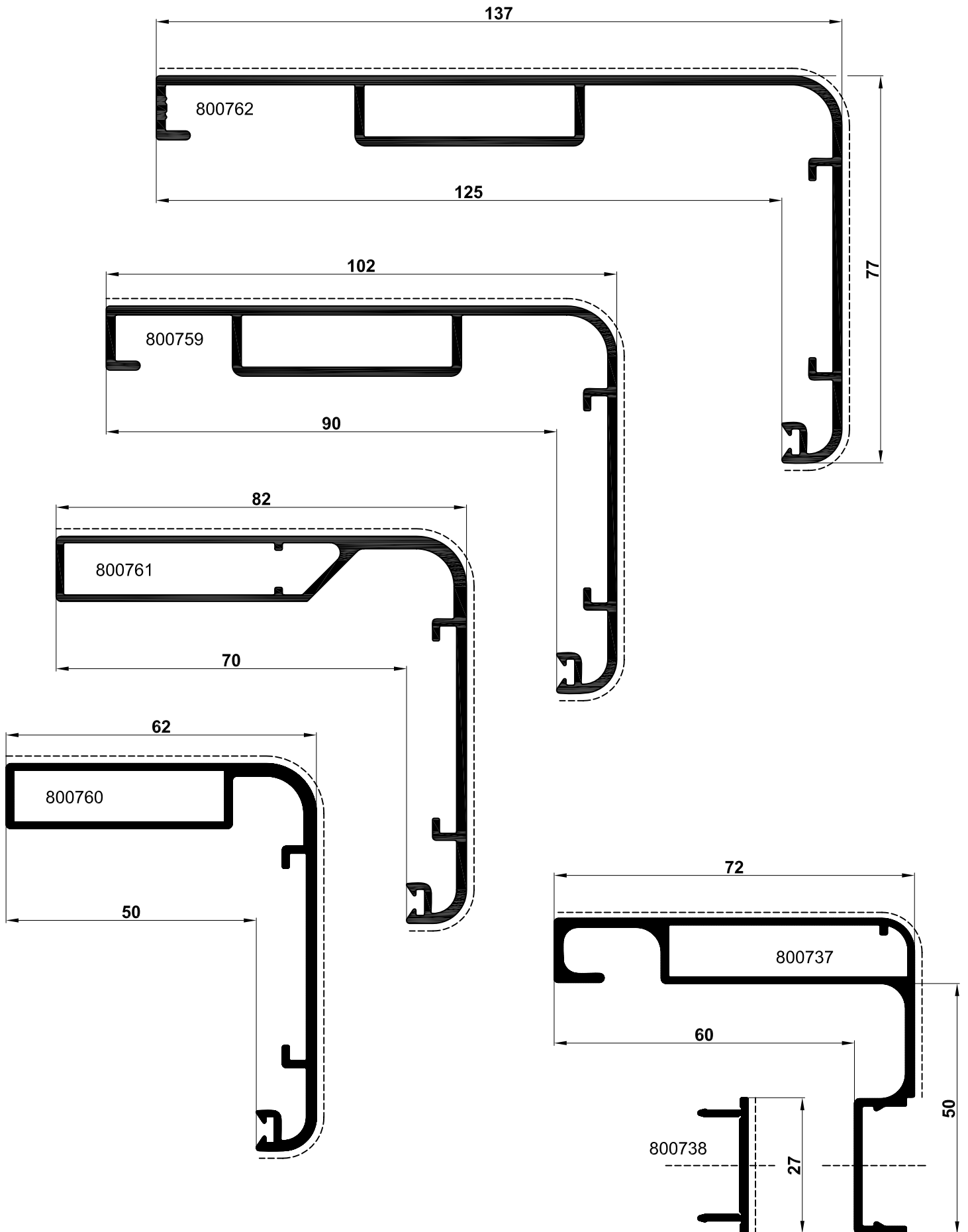


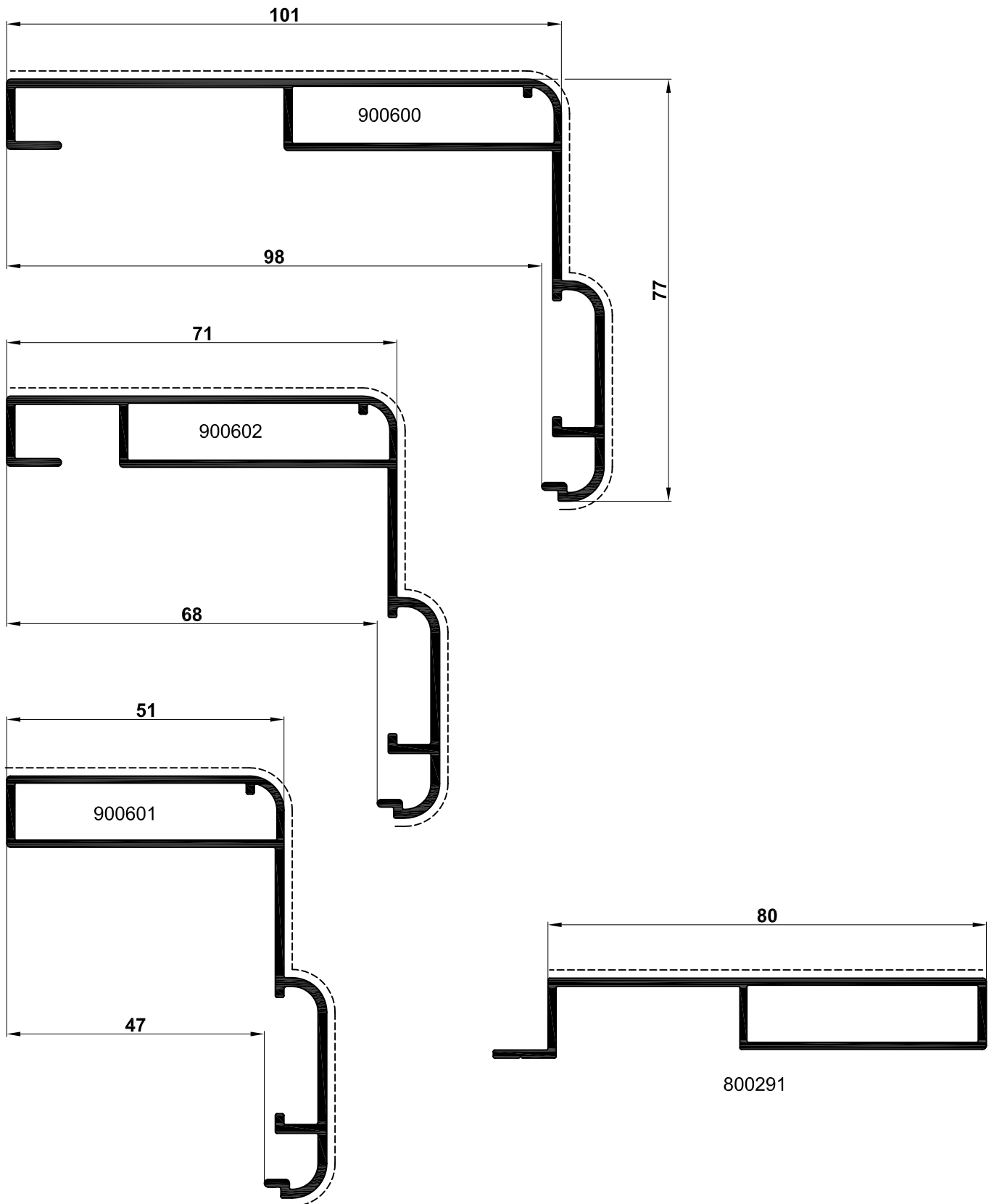
TELAIO PER ABBINAMENTO CON FACCIATA W50
FRAME TO COMBINE WITH CURTAIN WALL W50

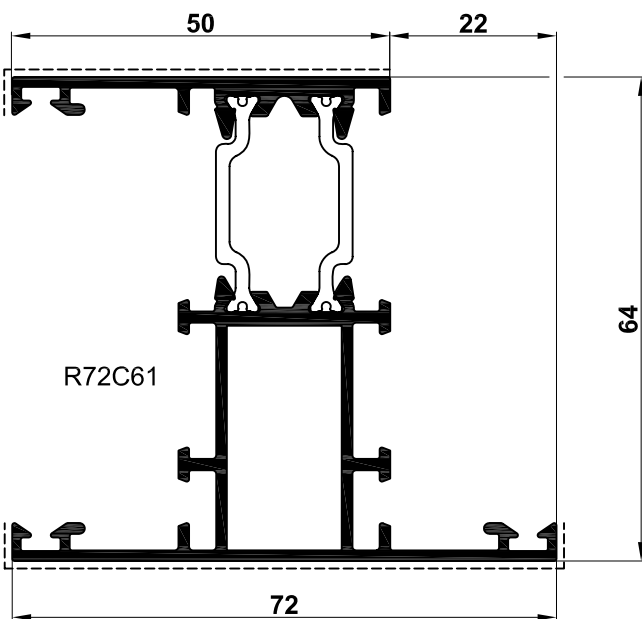
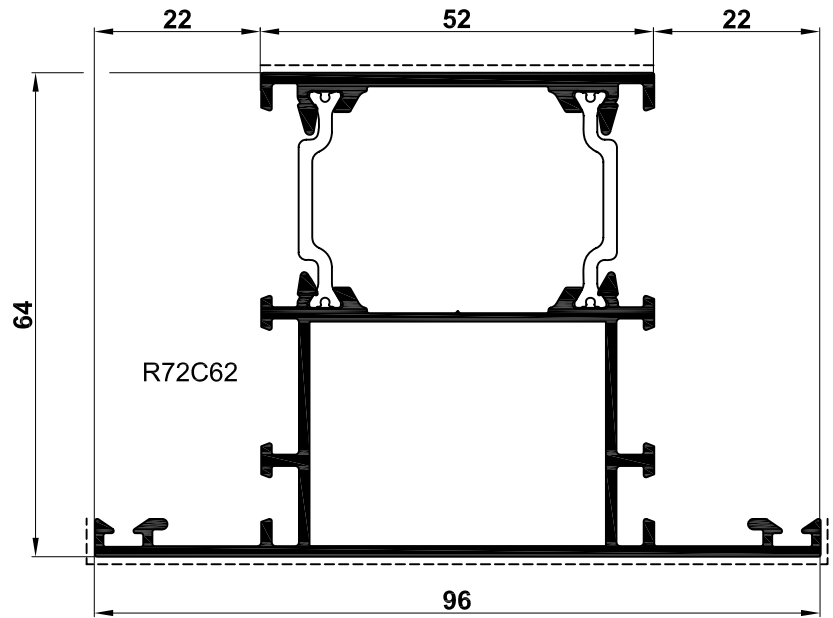
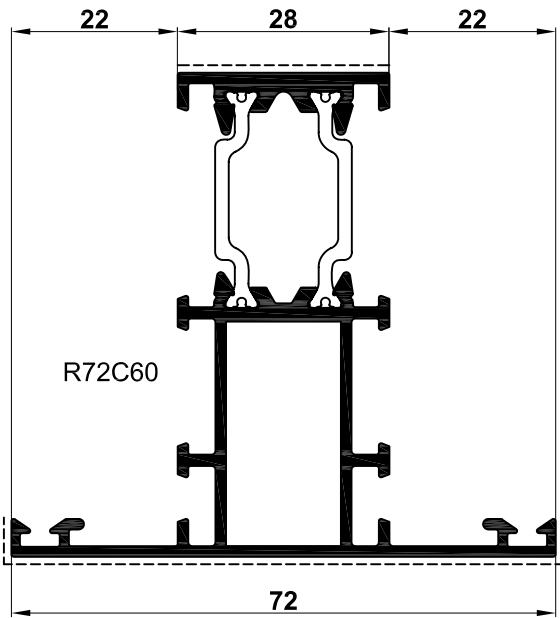
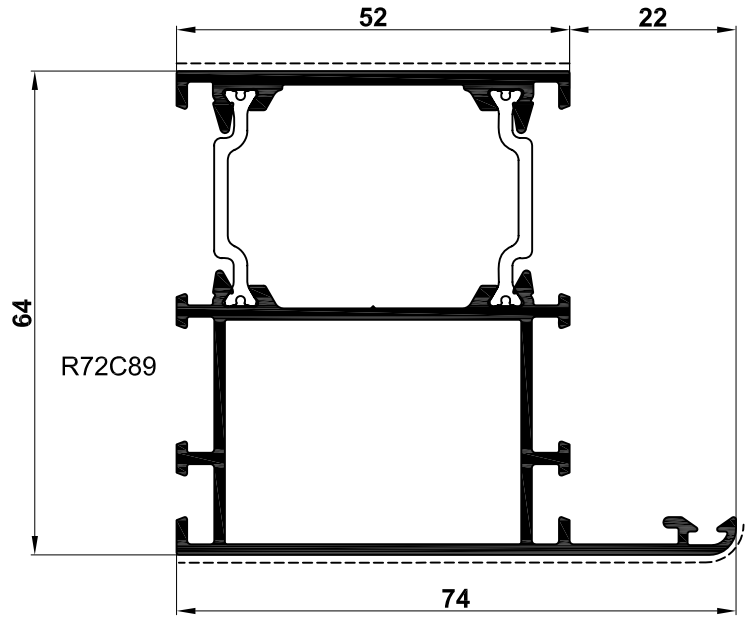
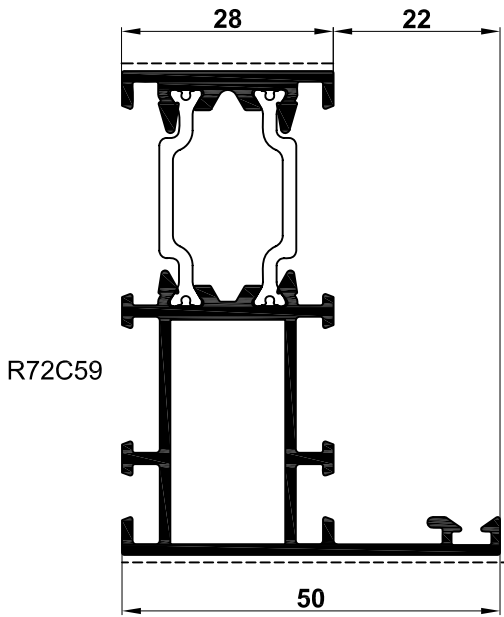


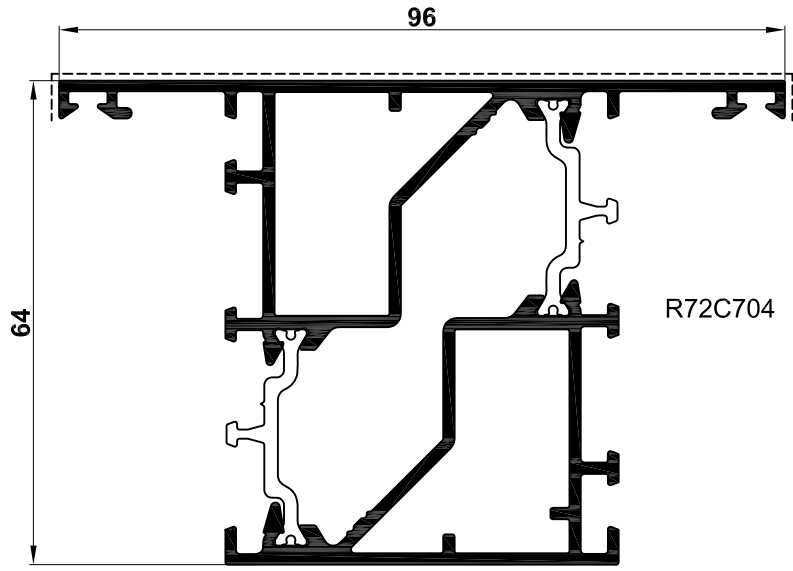




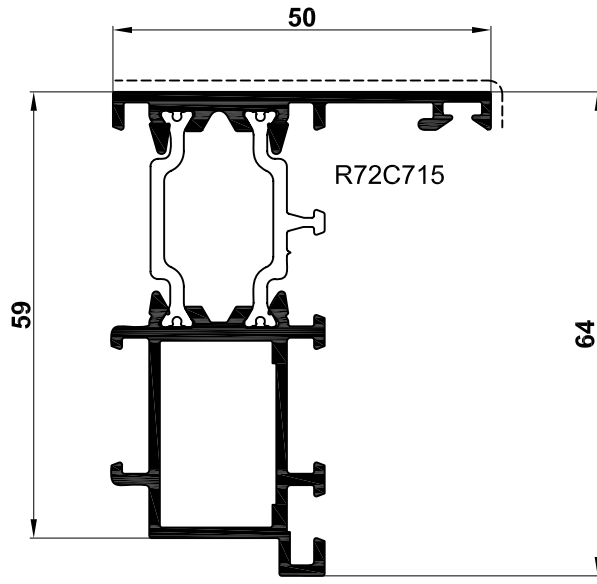




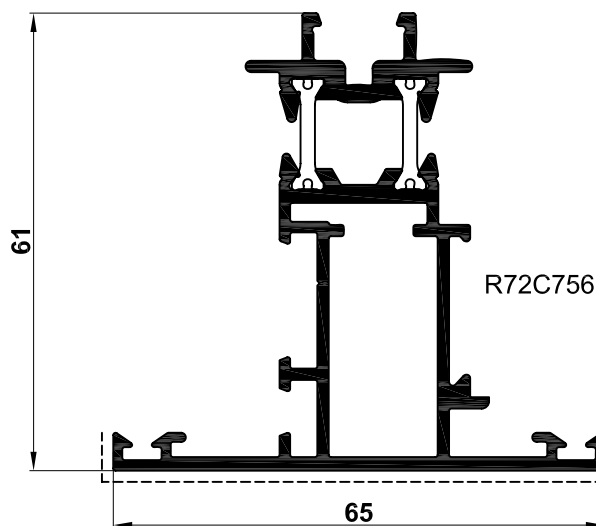


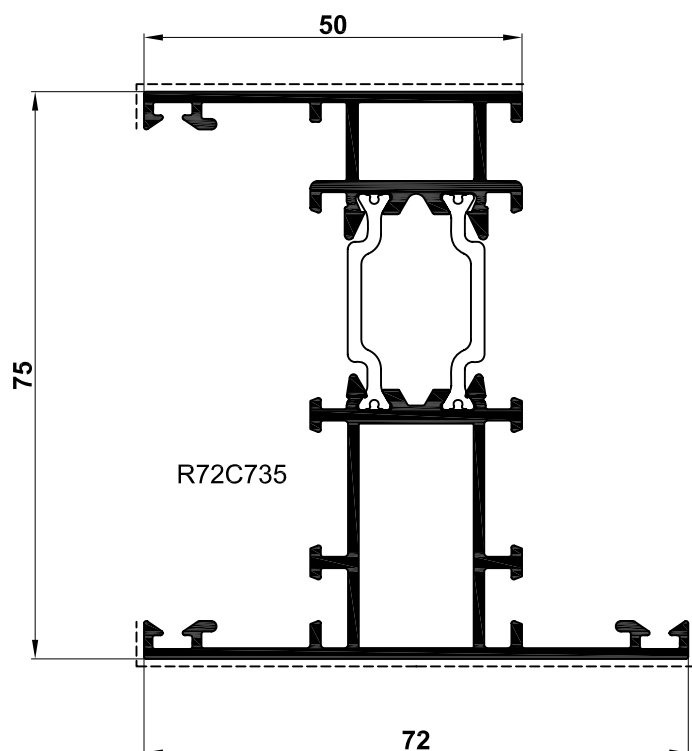
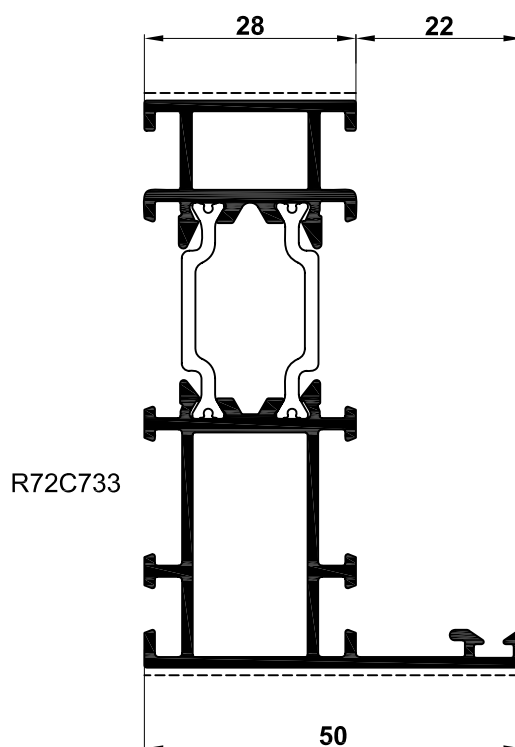
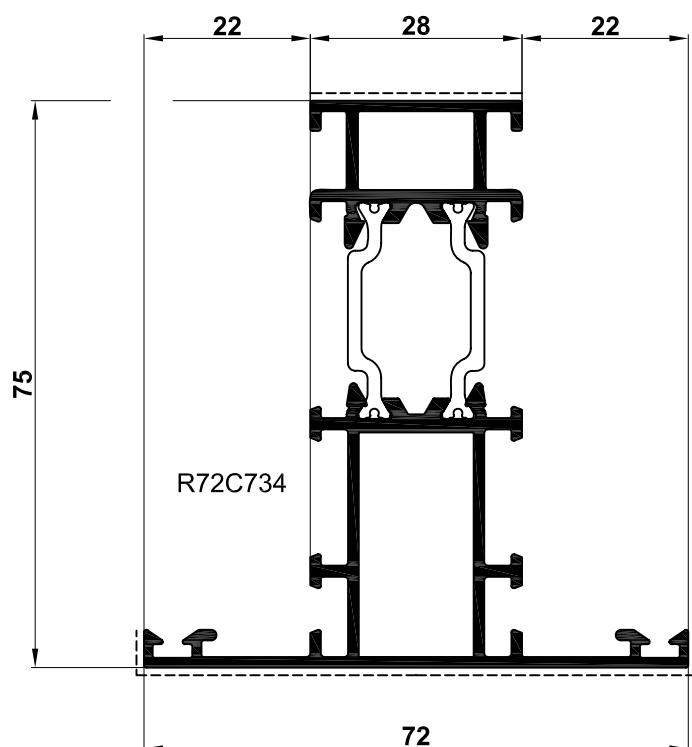


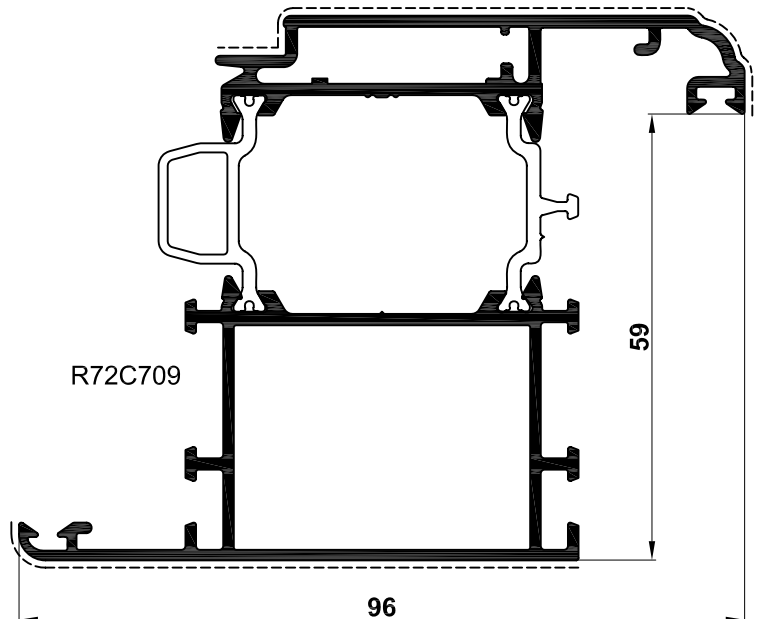
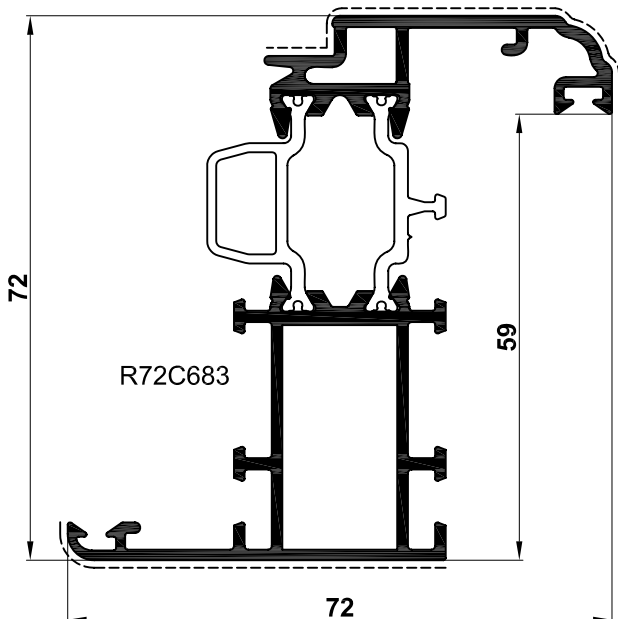
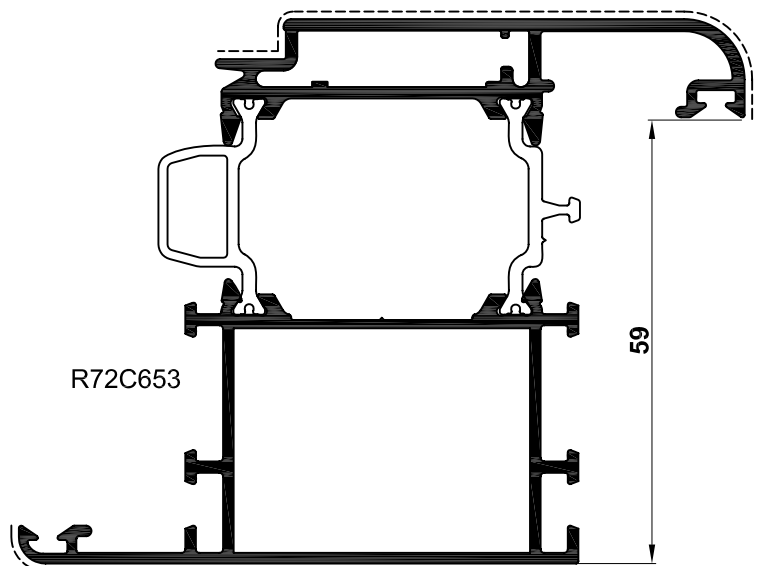
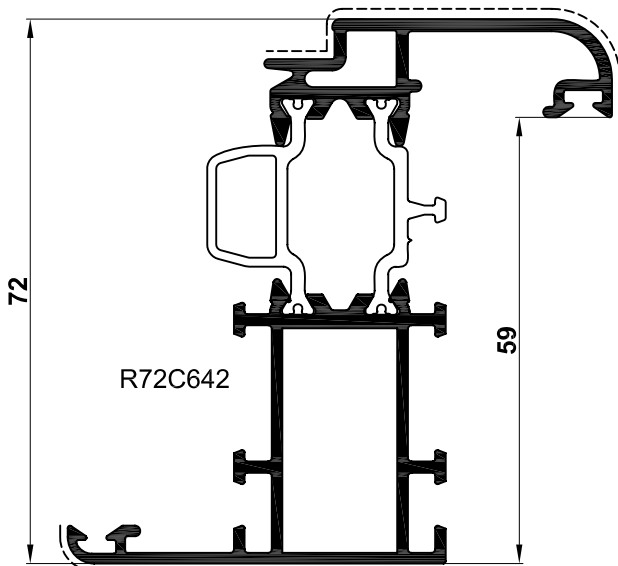
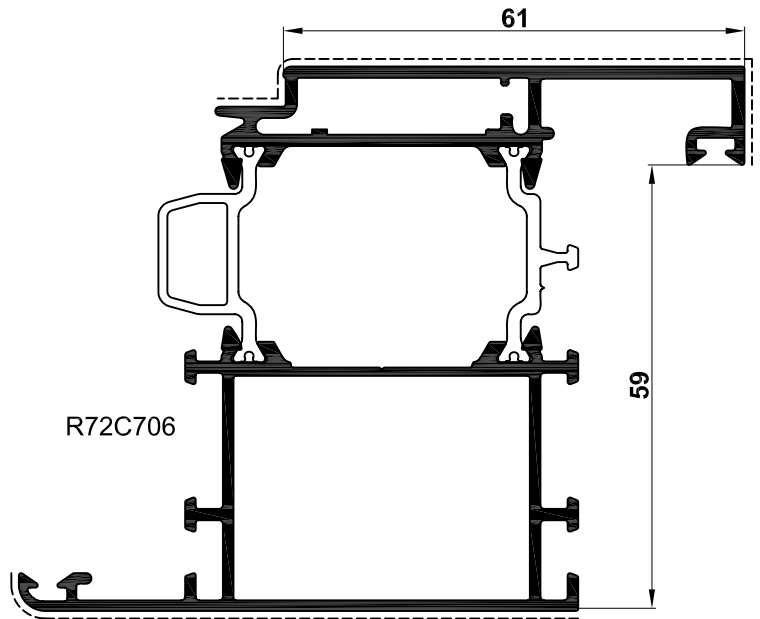
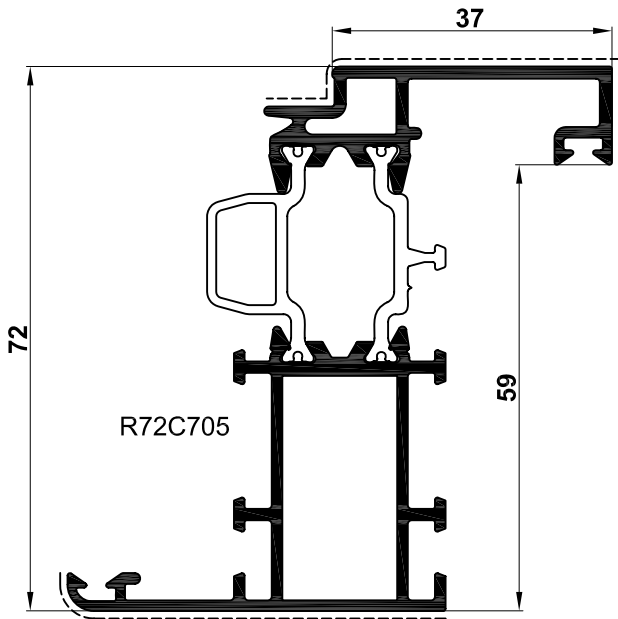
INVERSIONE DI BATTUTA
RABBET INVERSION

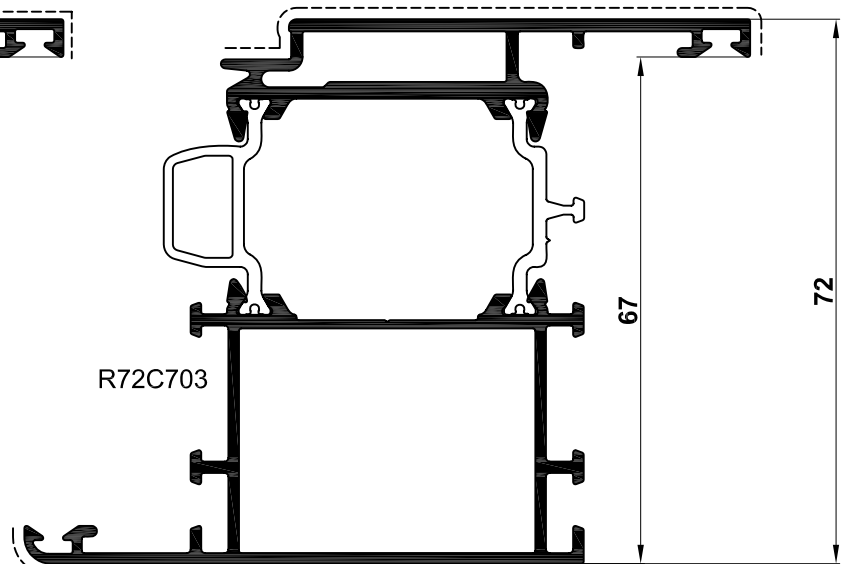
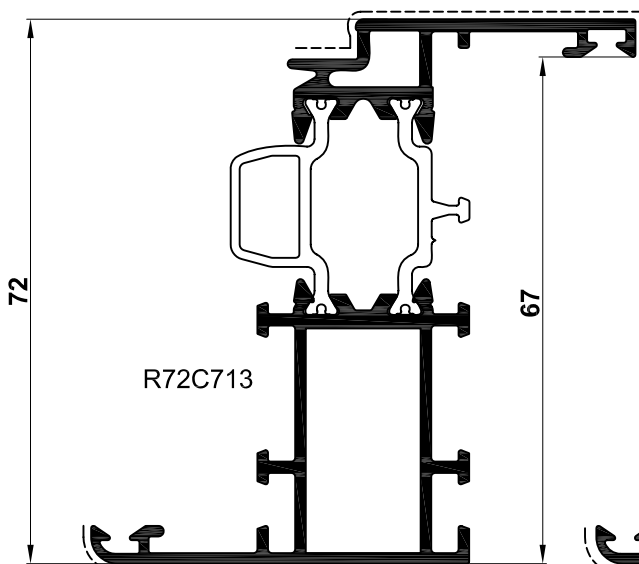
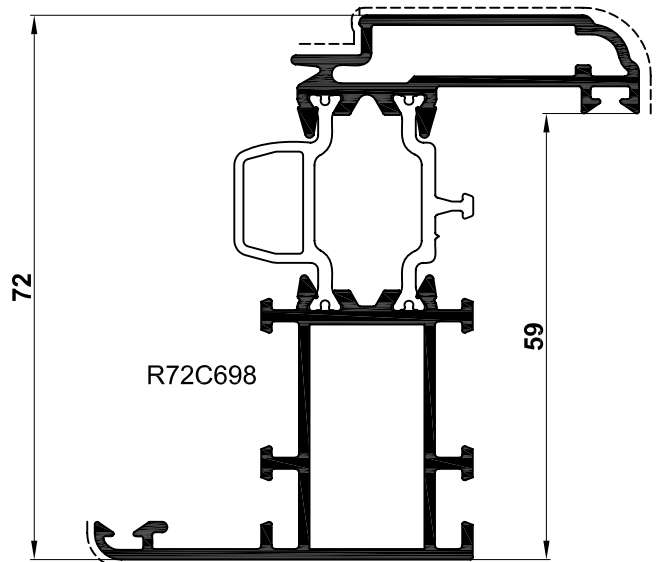
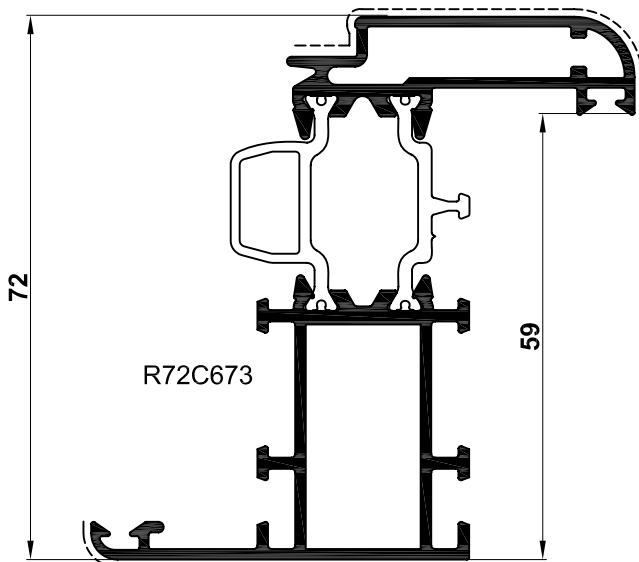
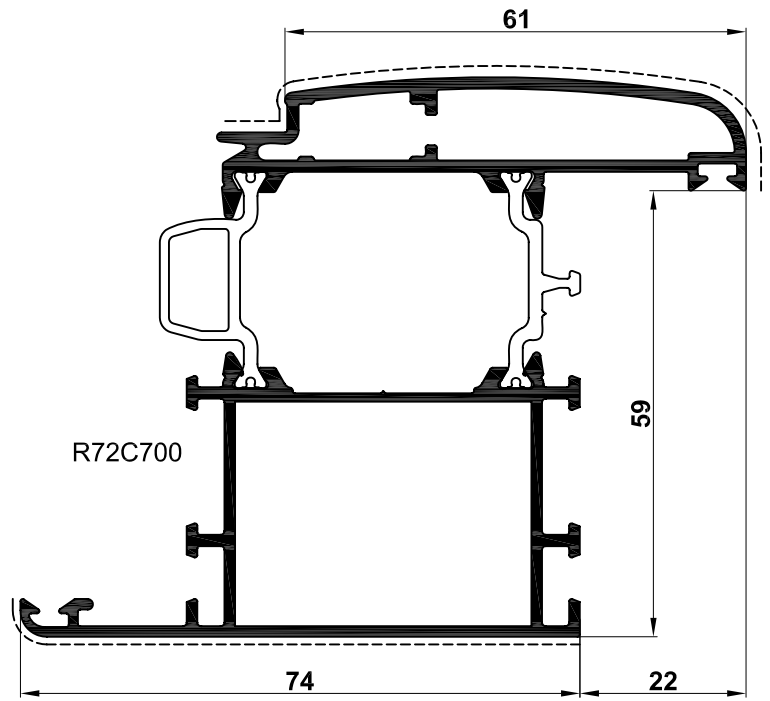
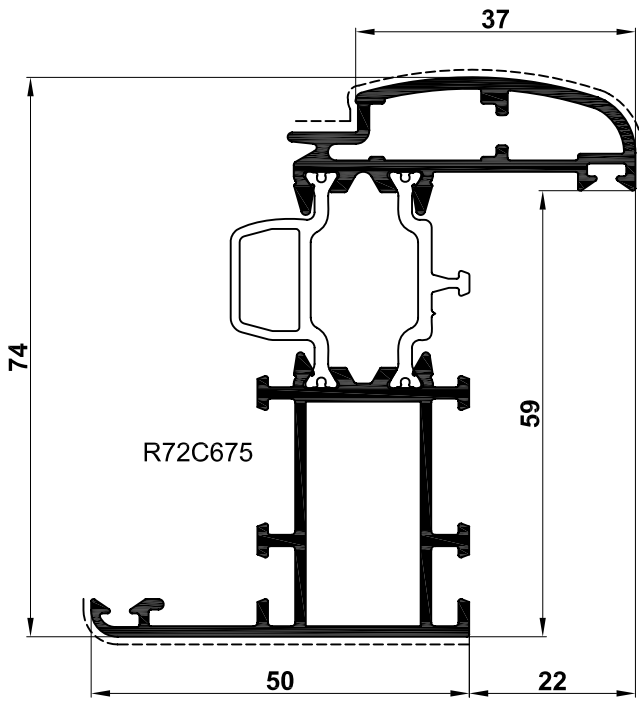


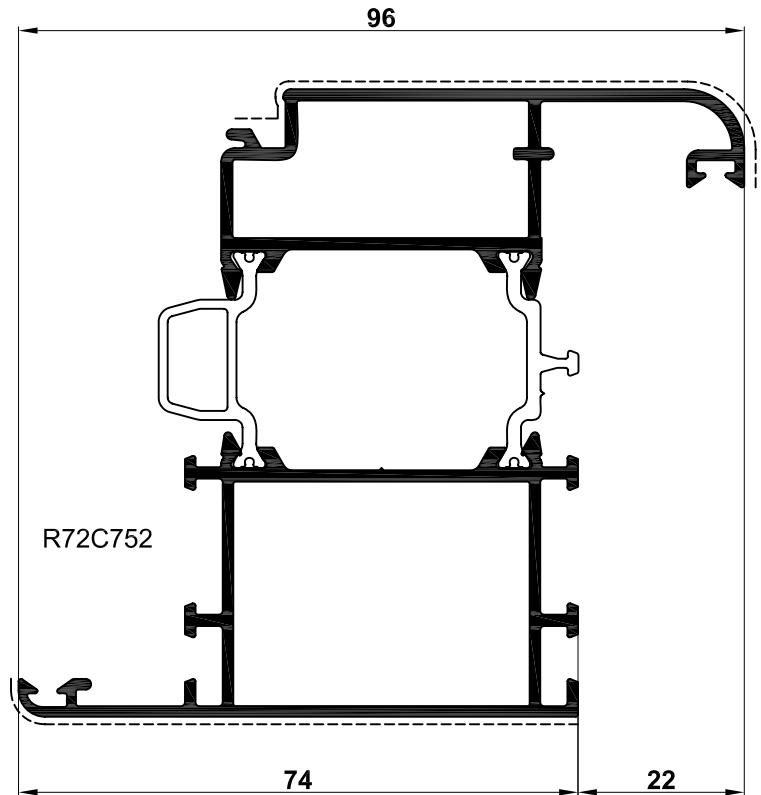
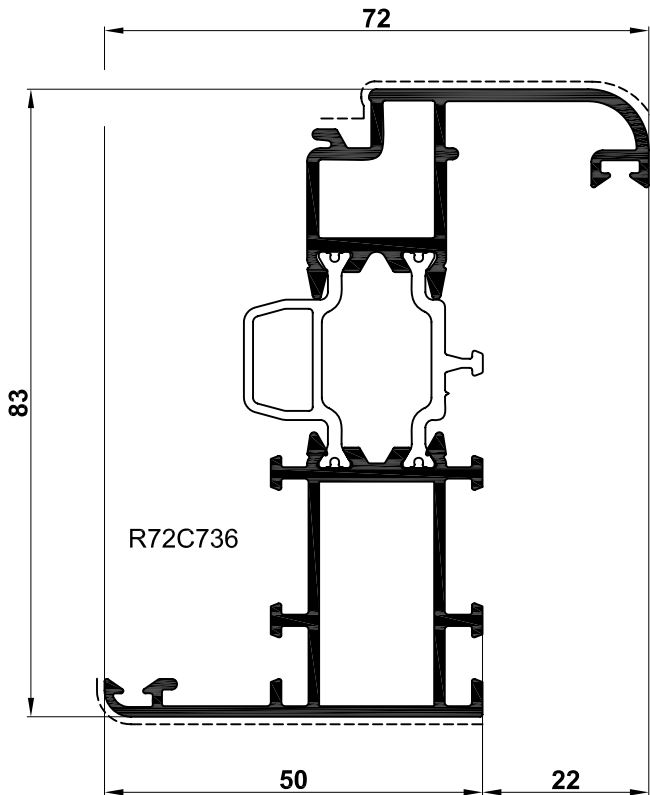
INVERSIONE PER BILICO
INVERSION FOR PIVOT WINDOW



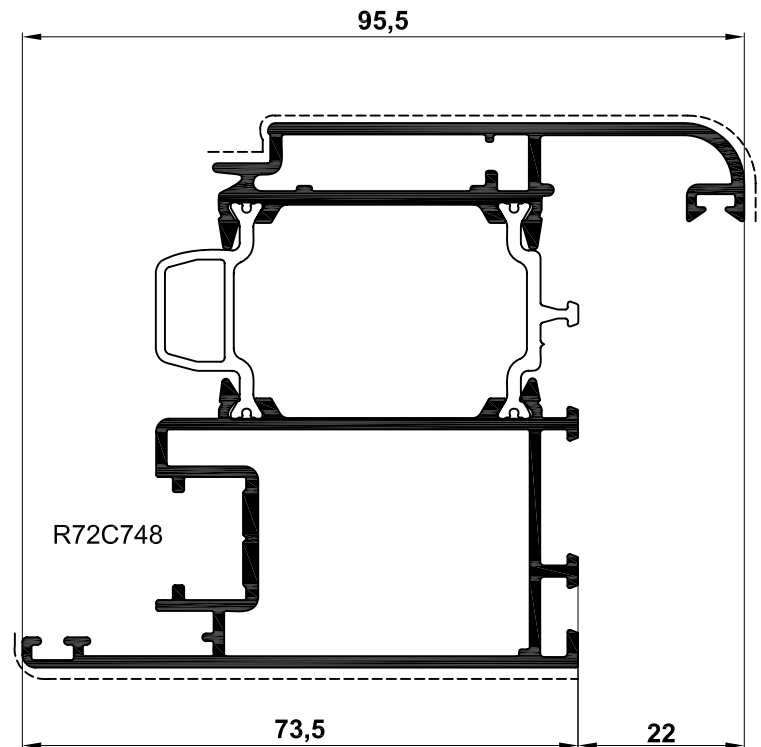
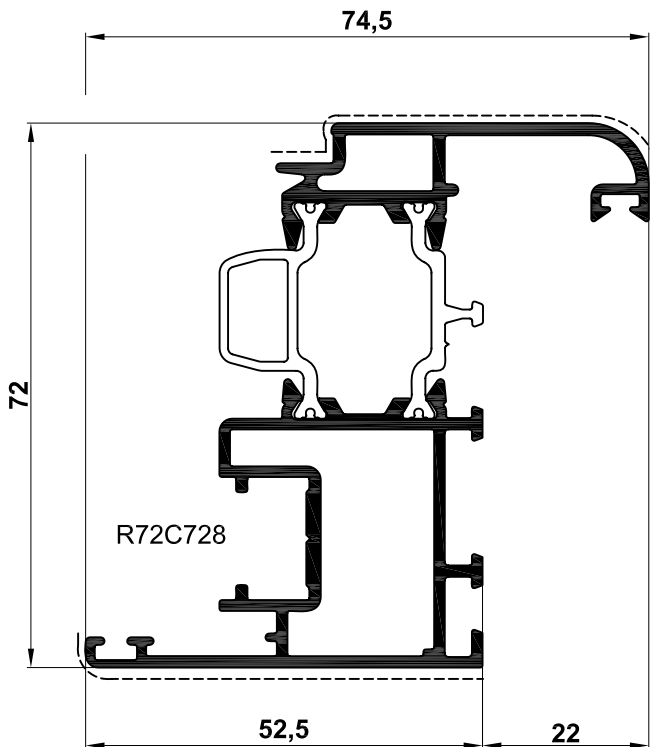


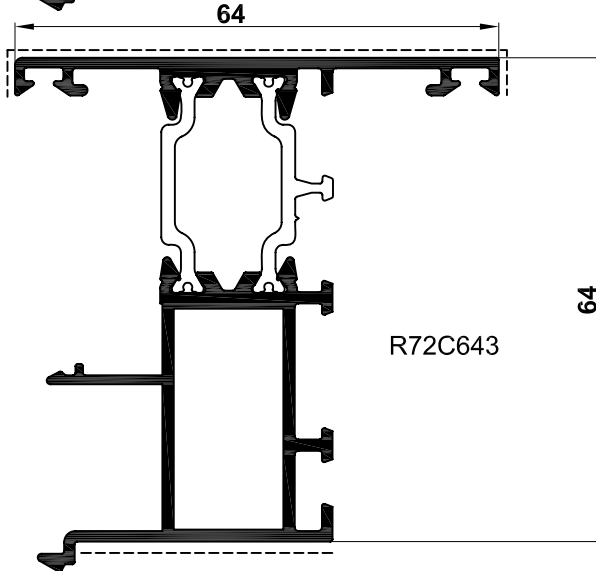
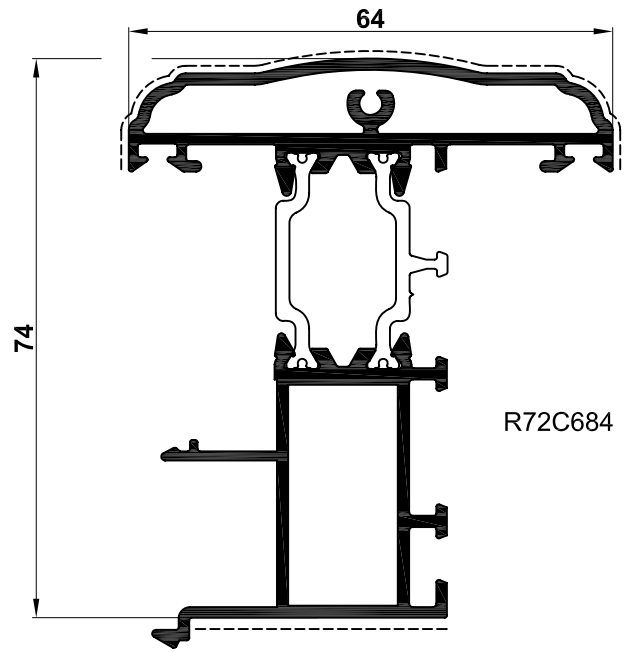
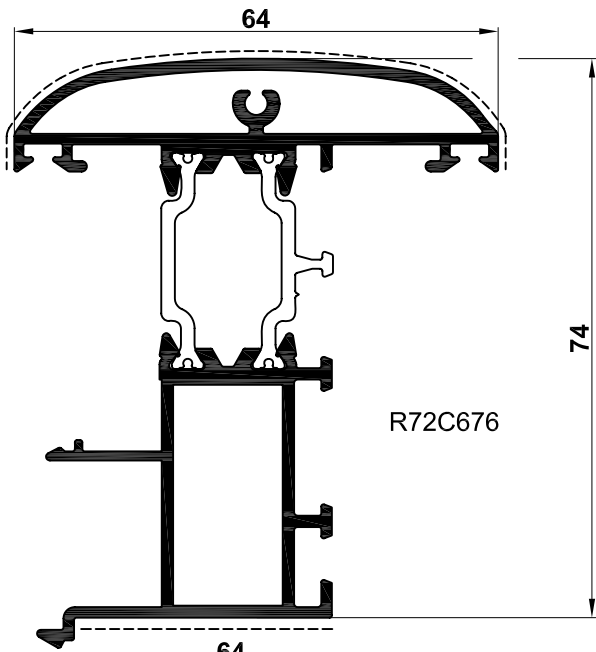




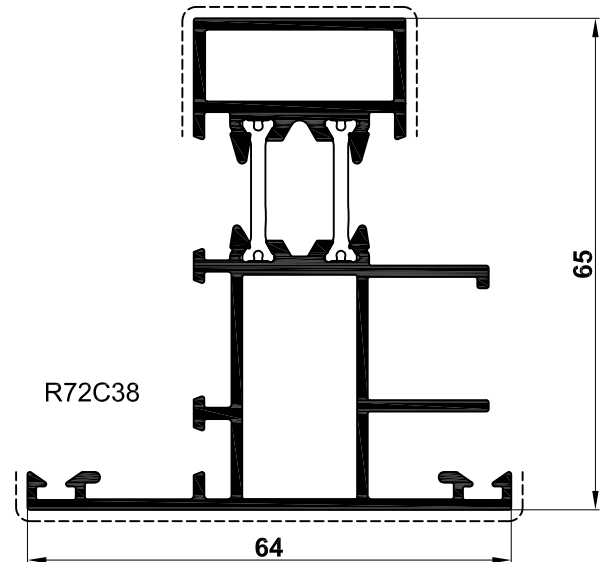


ANTE "FERRAMENTA PERIMETRALE"
WINGS "PERIMETRAL FITTING"

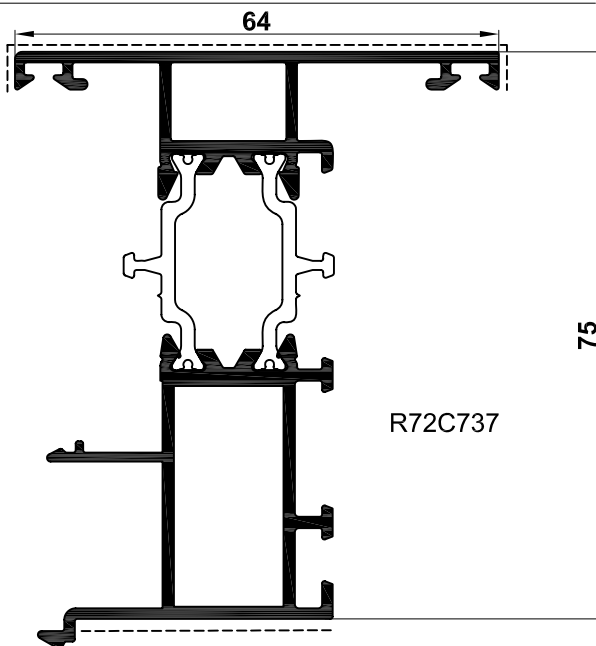




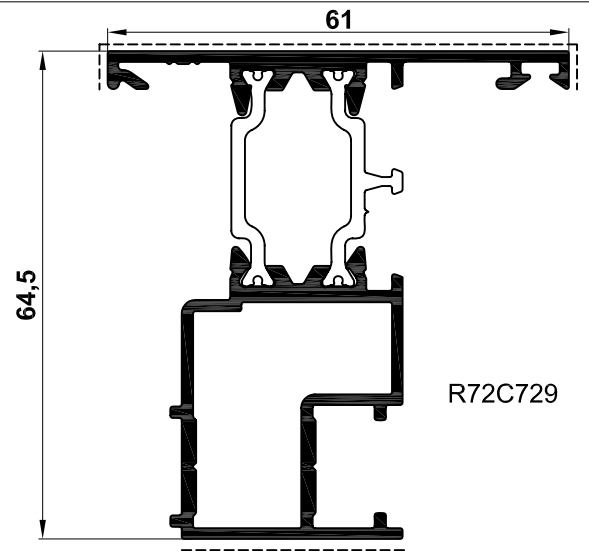
RIPORTO CENTRALE "APERTURA ESTERNA"
CENTRAL FILLING "OUTWARD OPENING"

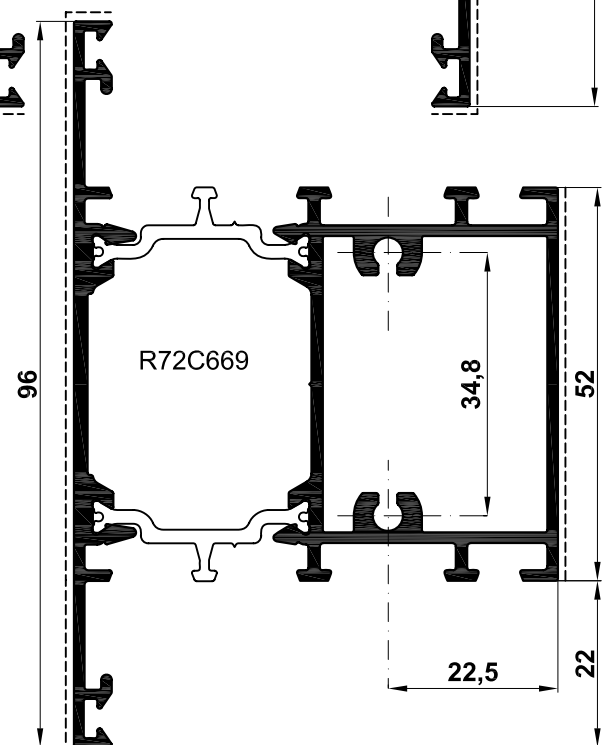
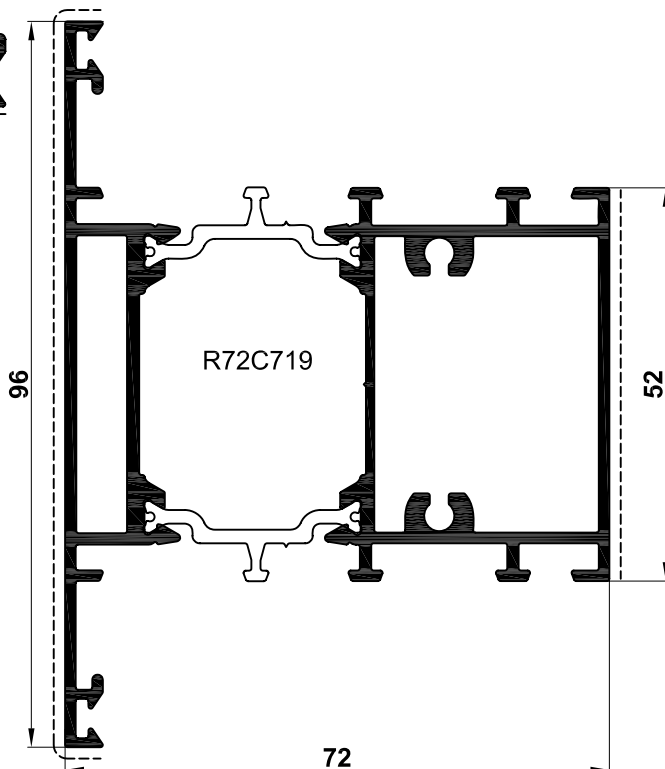
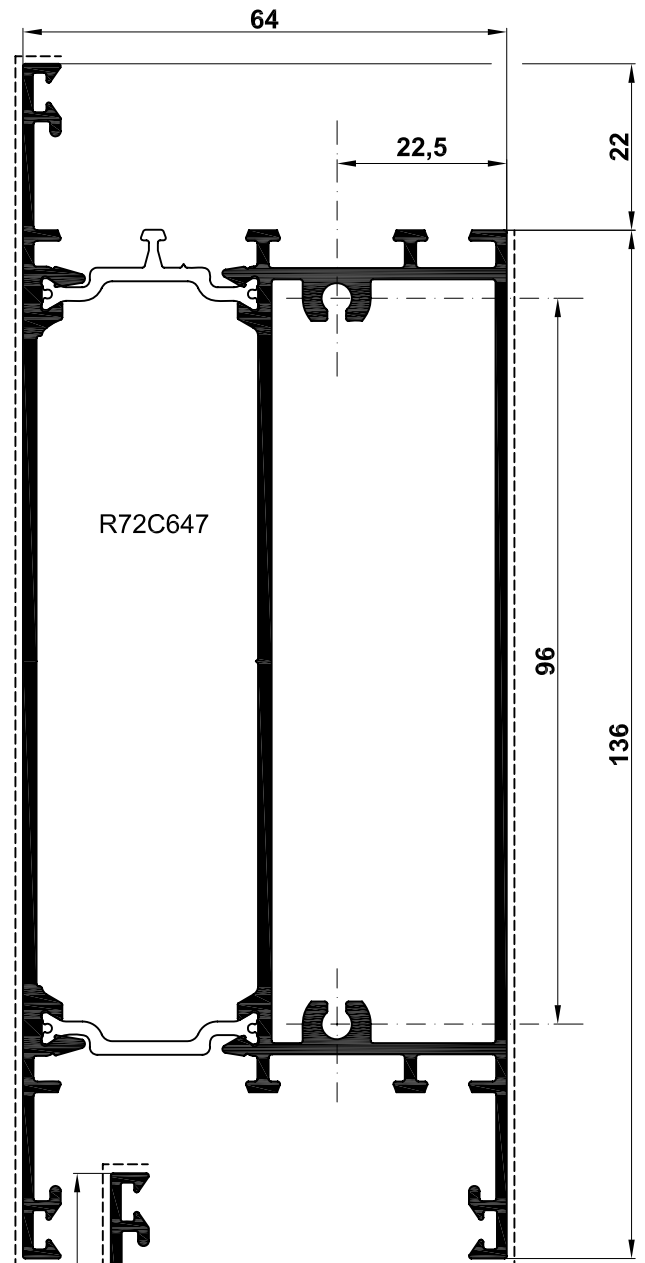
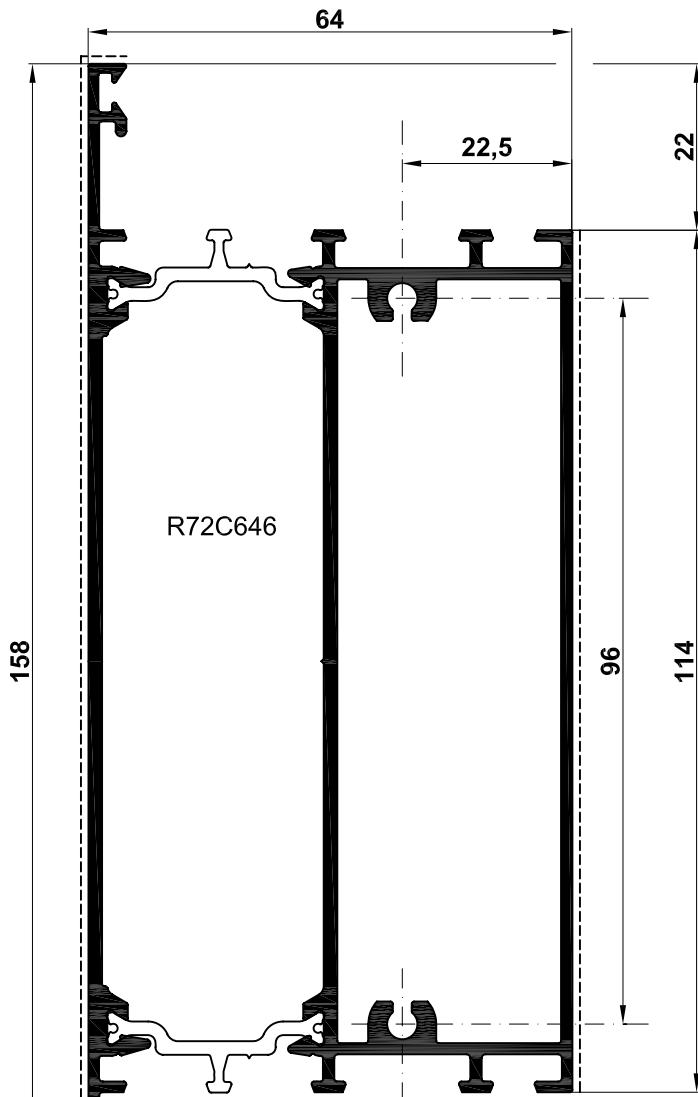


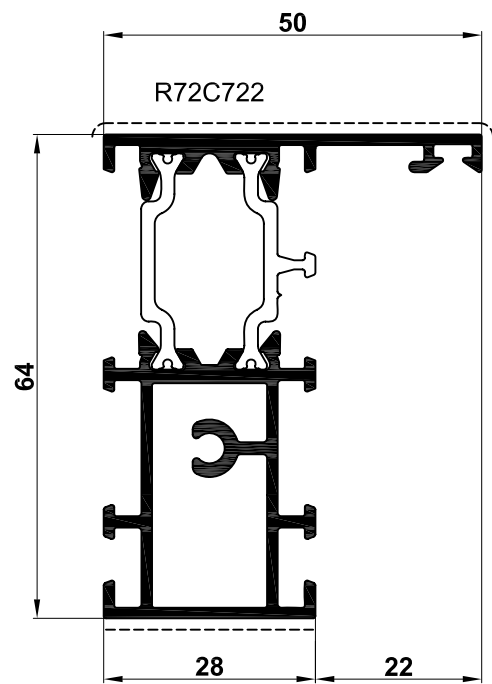
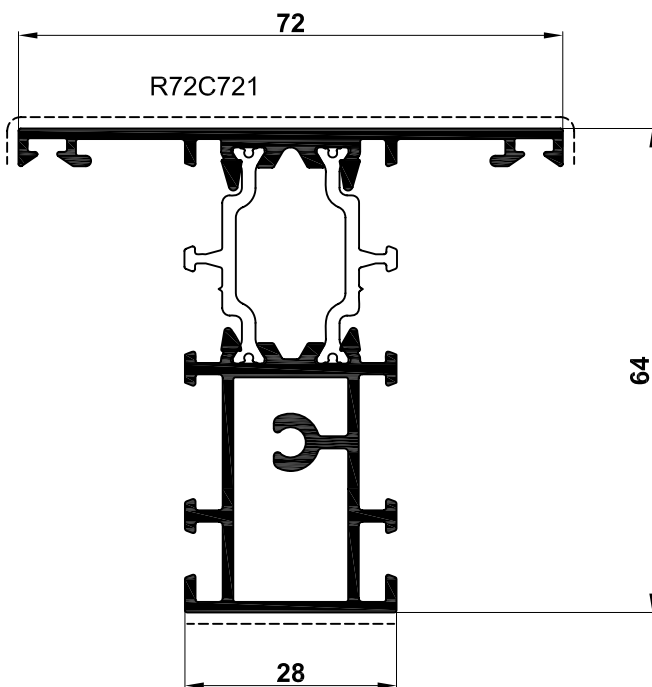
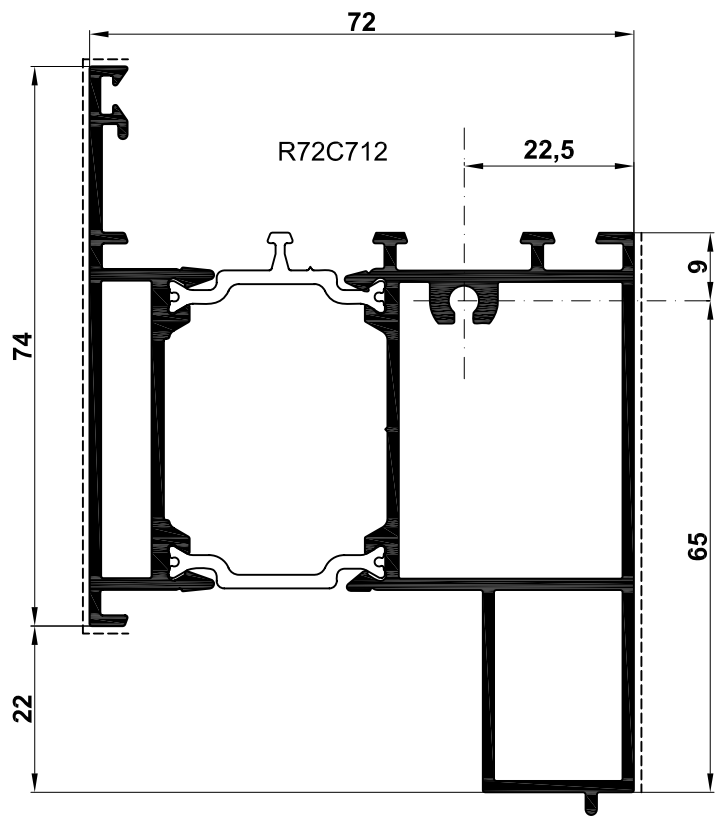
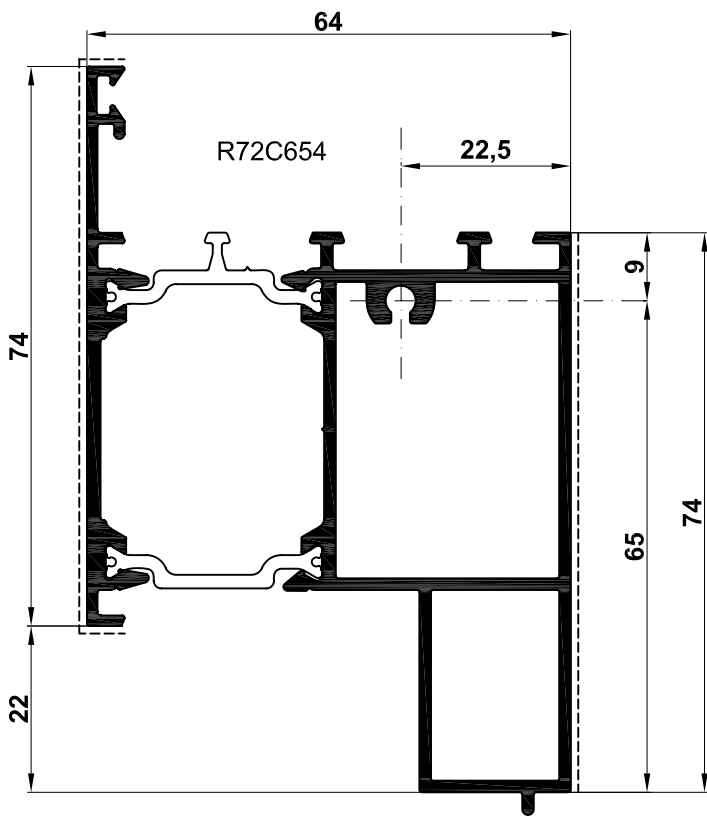
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CENTRAL FILLING "EXTERNAL TUBULAR"

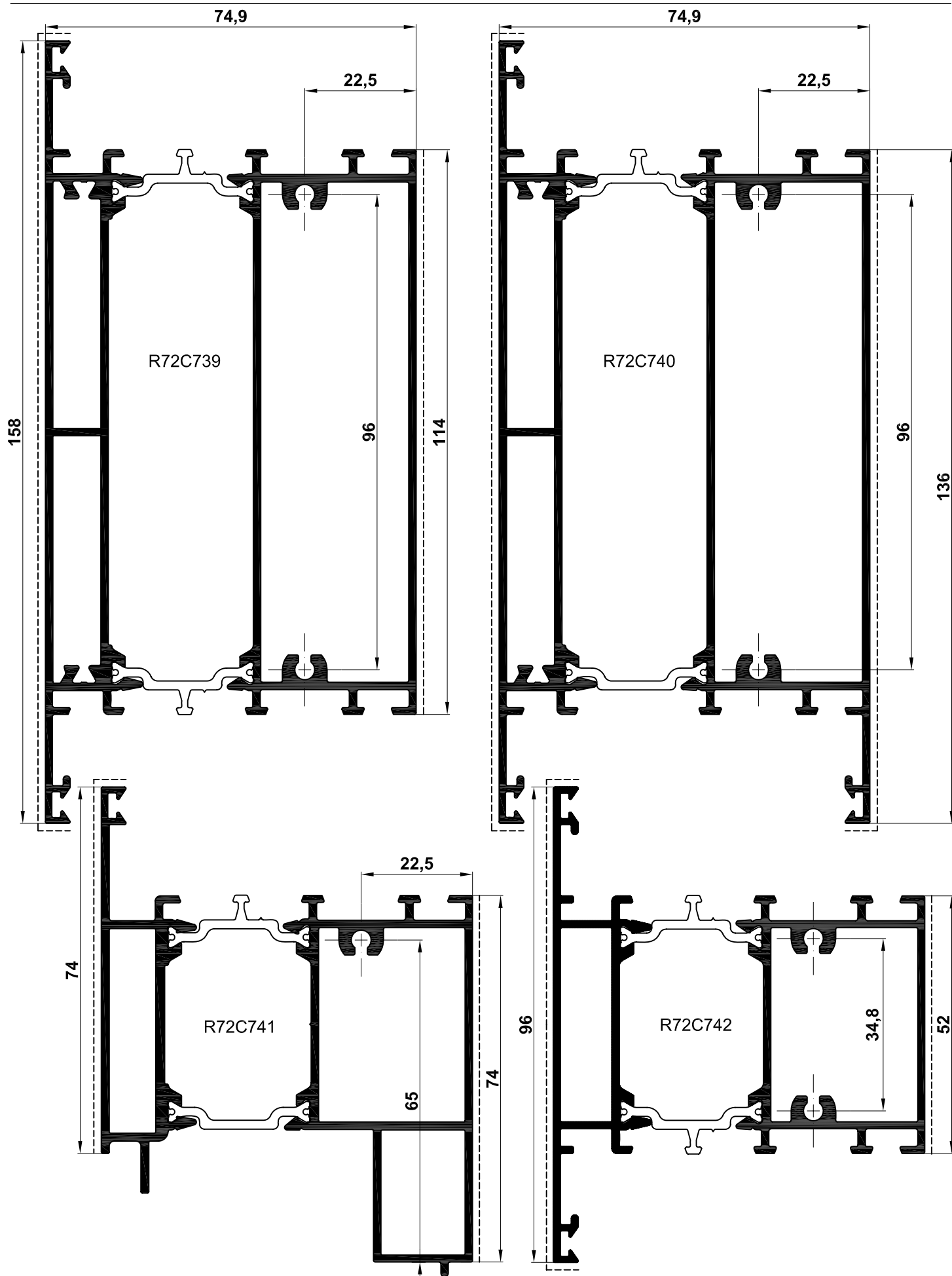


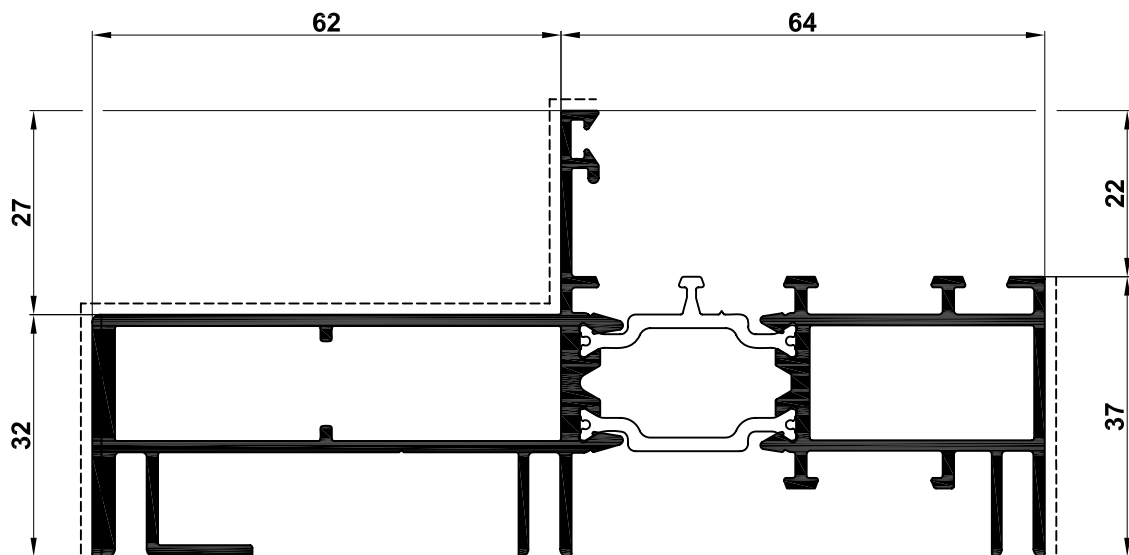
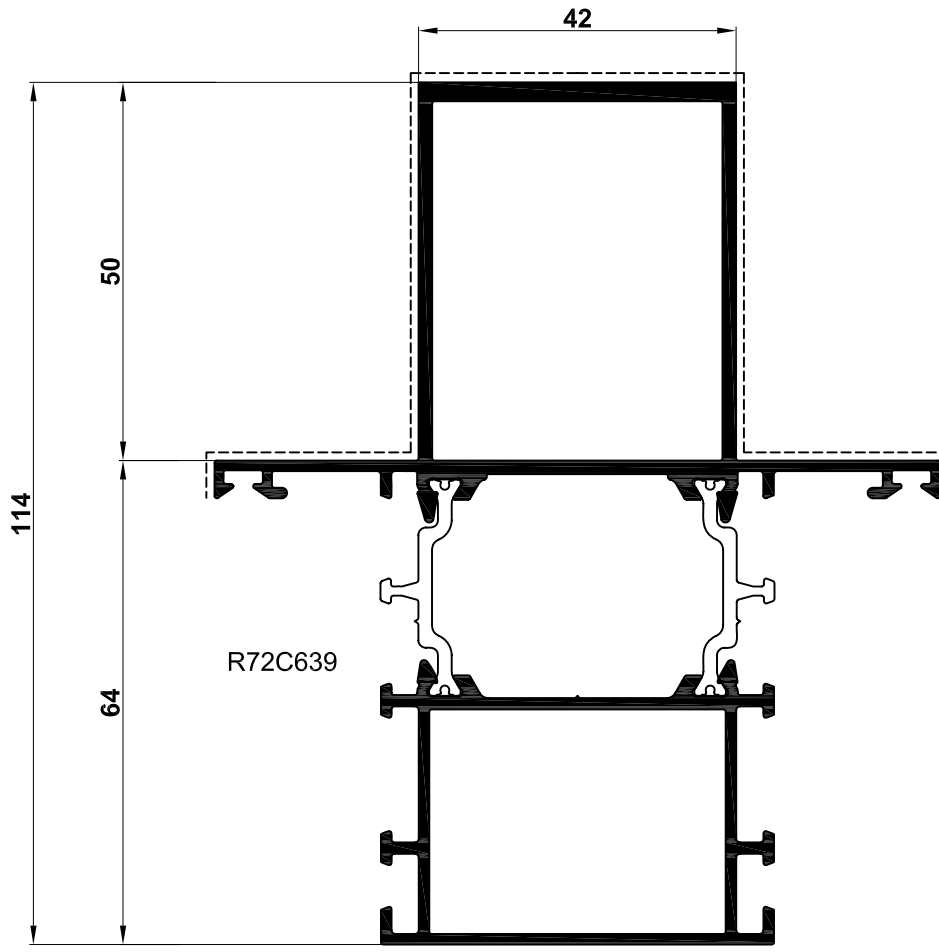
RIP. CENTR. "FERRAMENTA PERIMETRALE"
CENTRAL FILLING "PERIMETRAL FITTING"



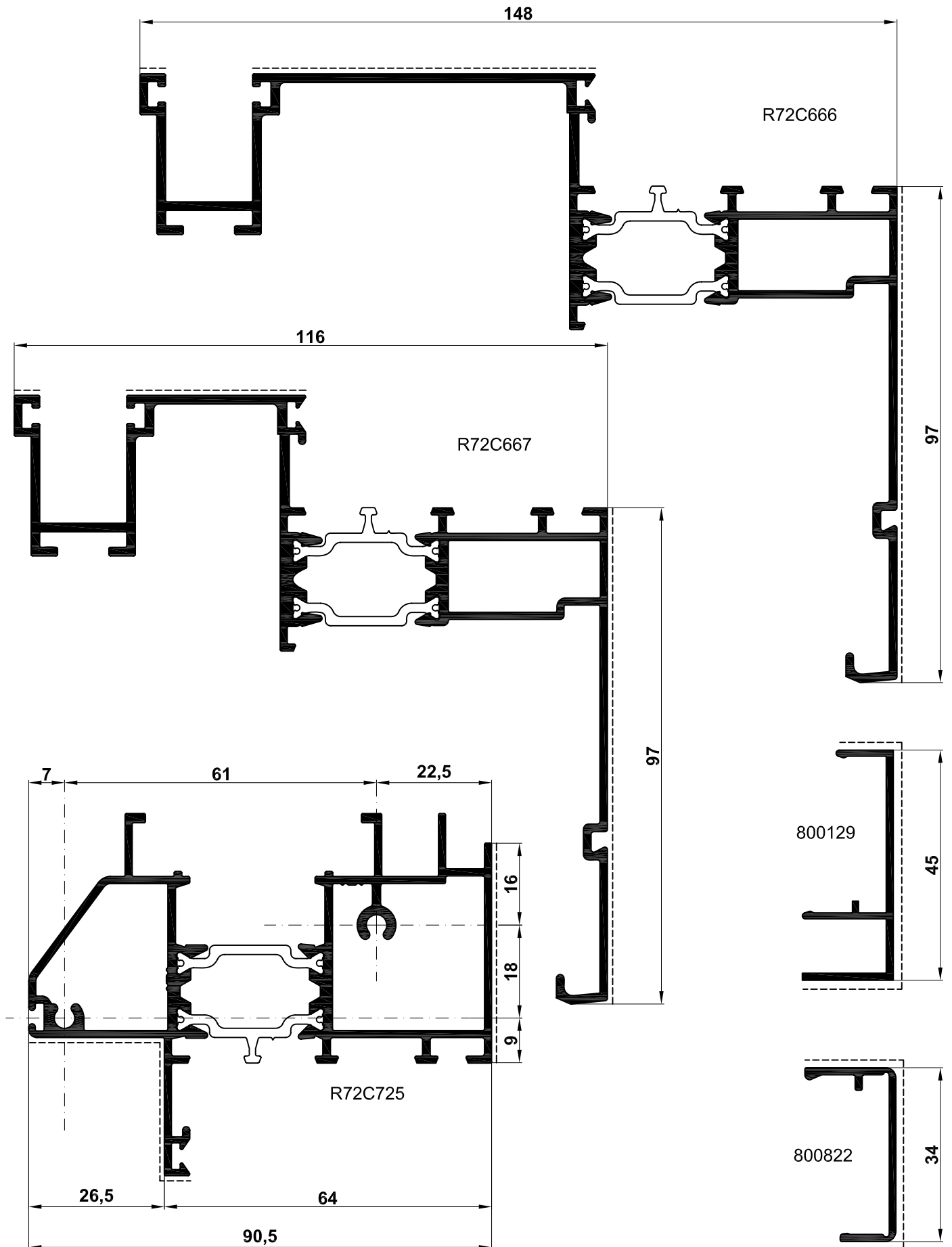


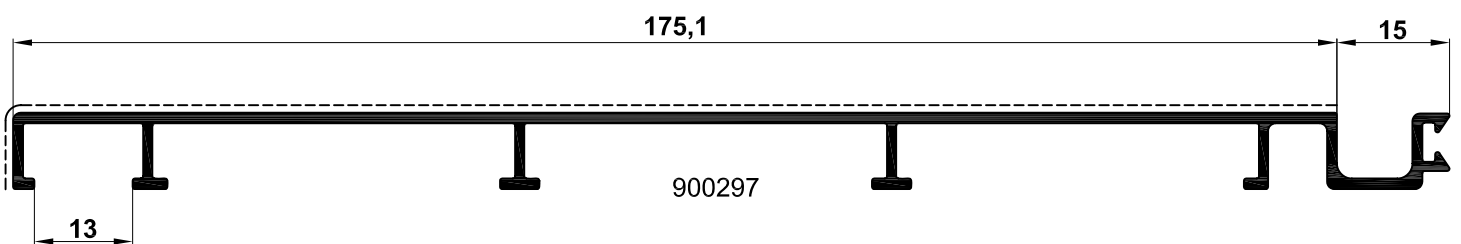
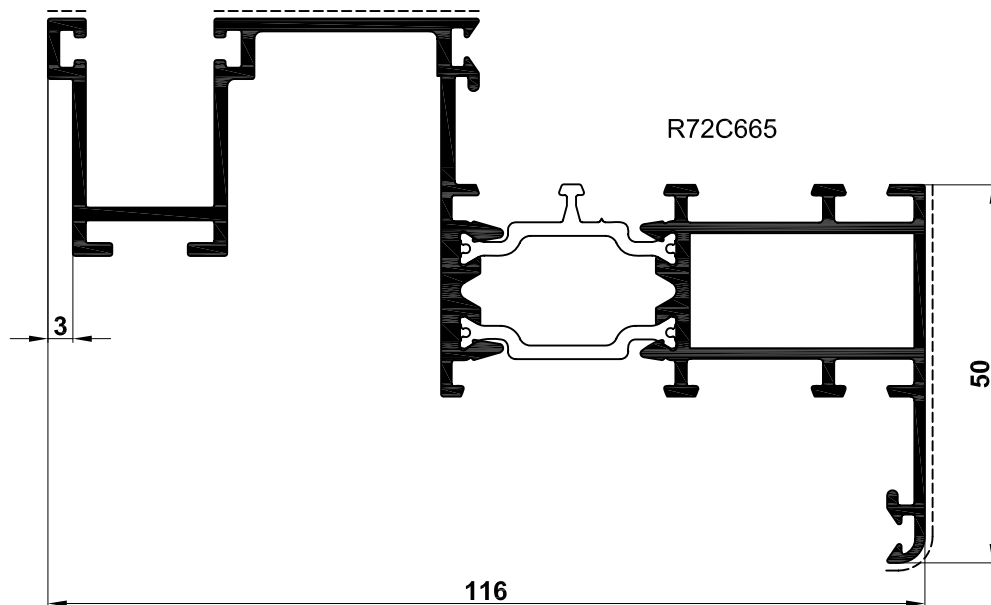
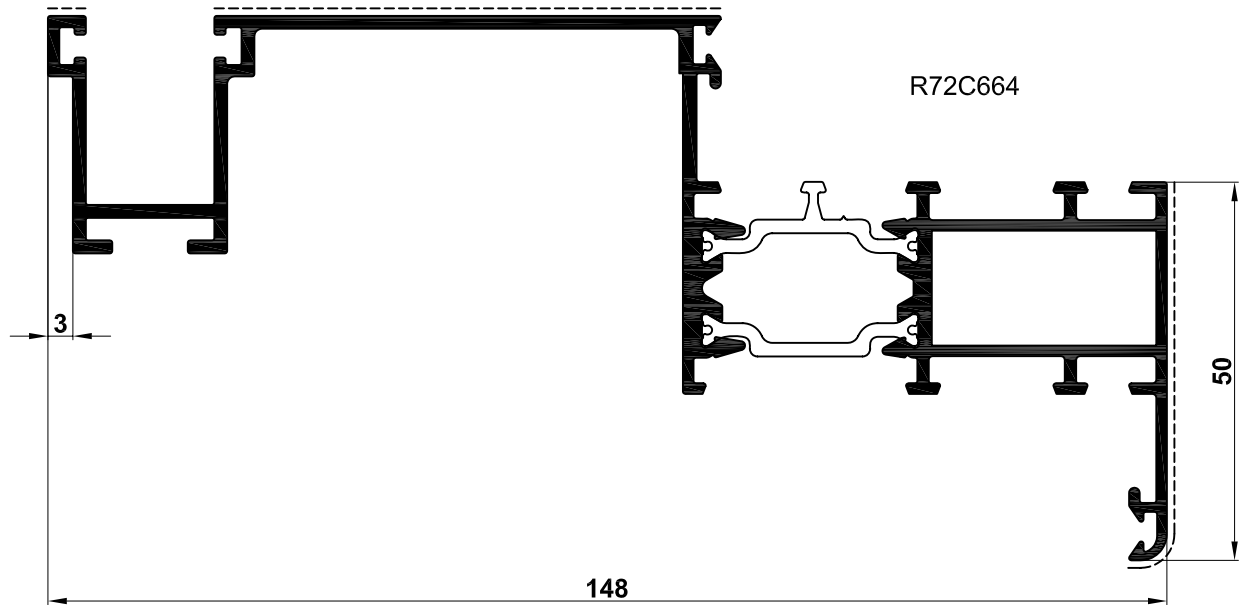


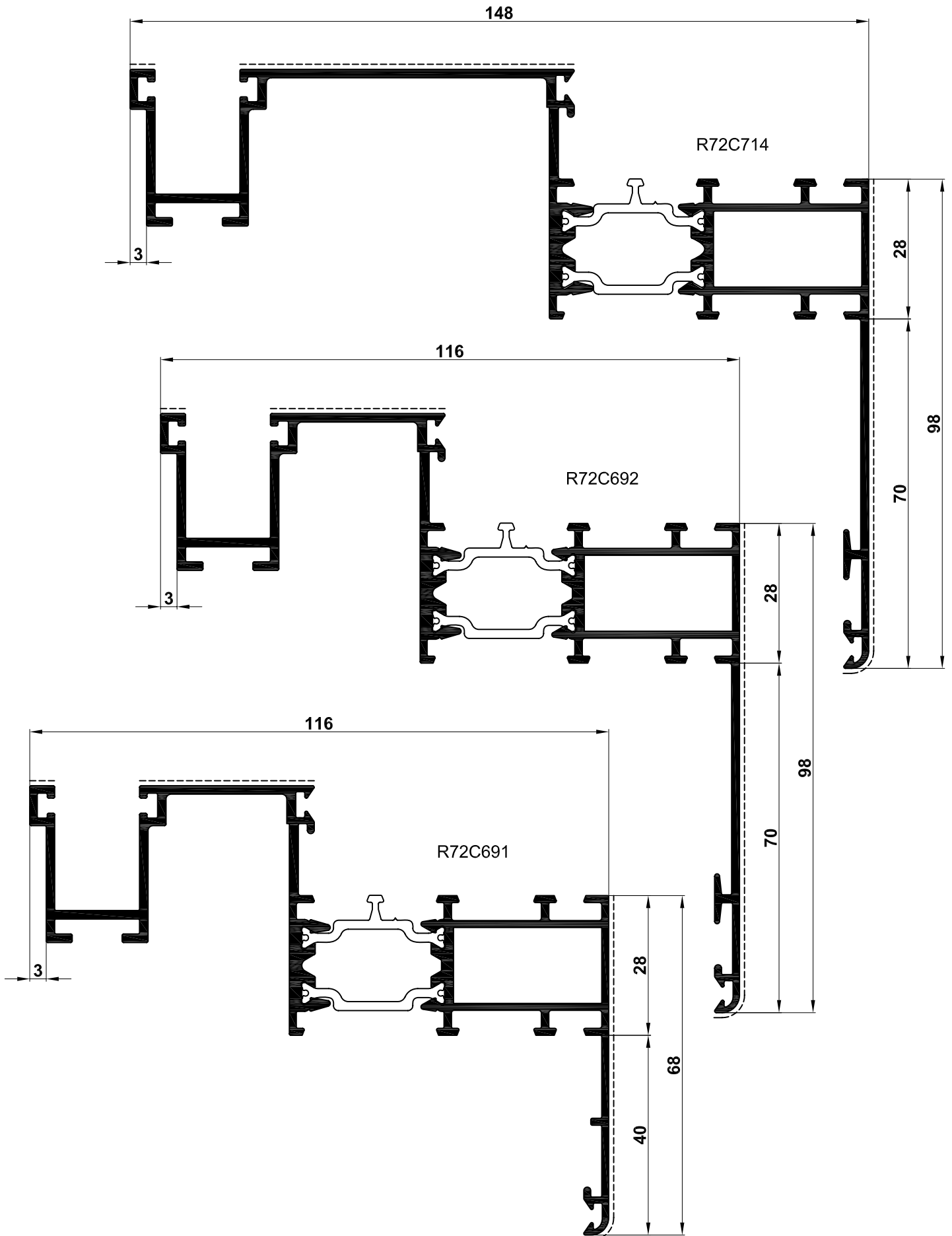


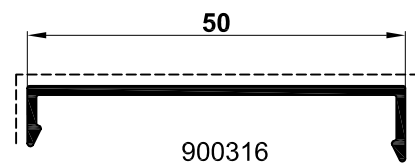
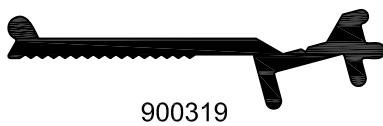
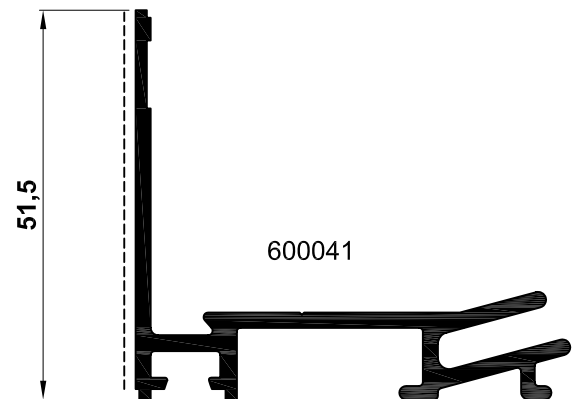
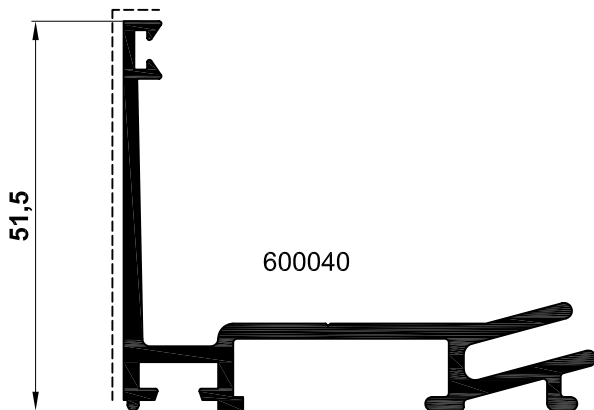
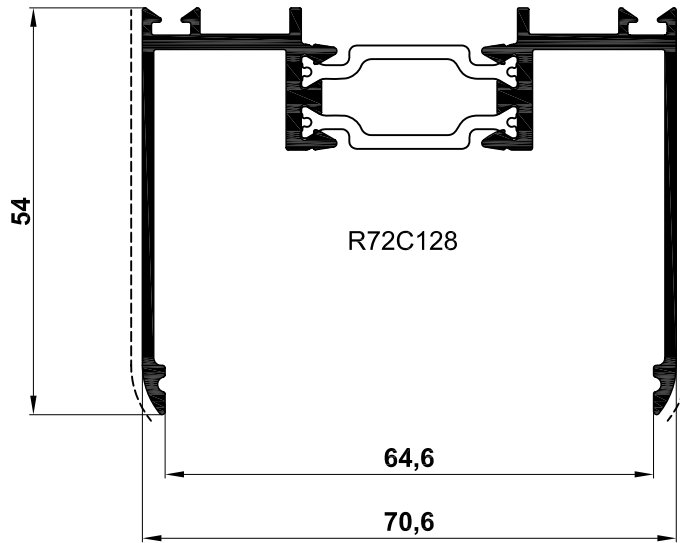


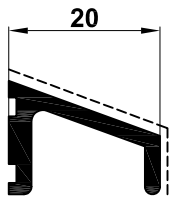
R72C671



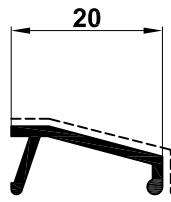




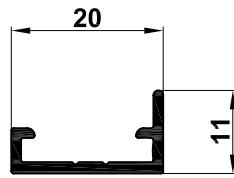




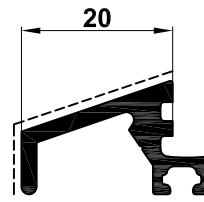
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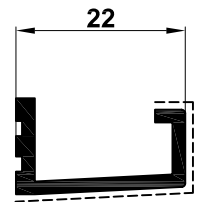
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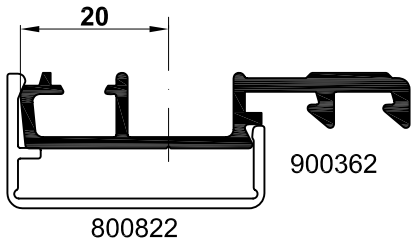
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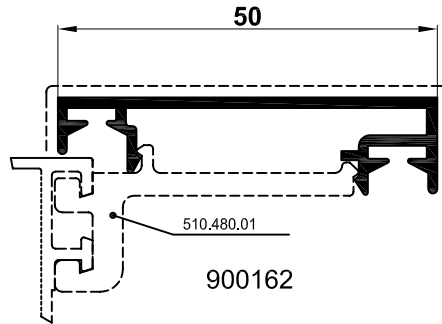


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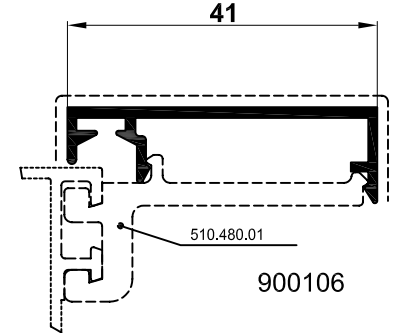


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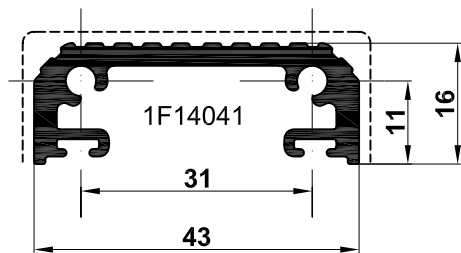
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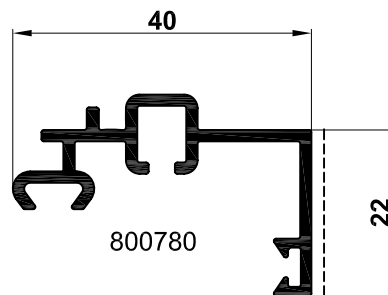
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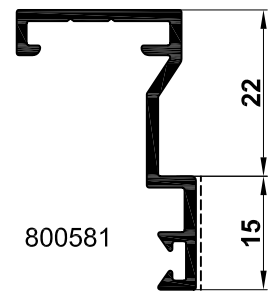
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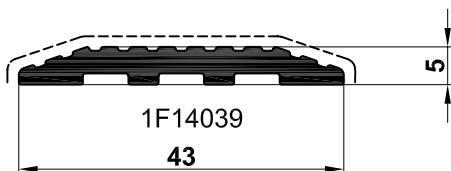
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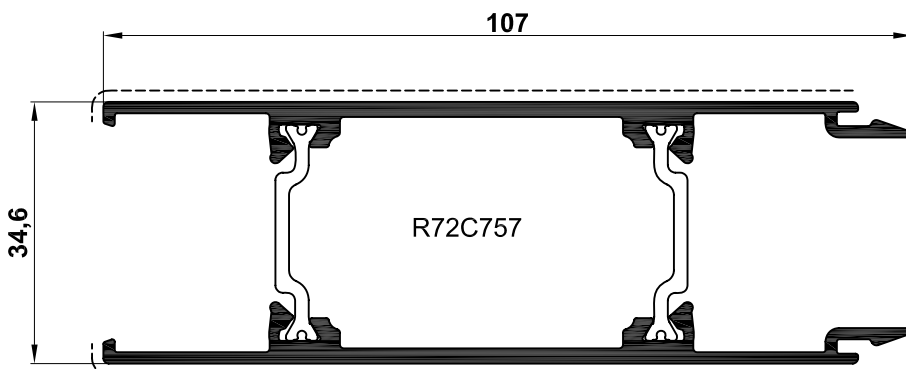
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1F14039

43

**DOGA
STAVE**



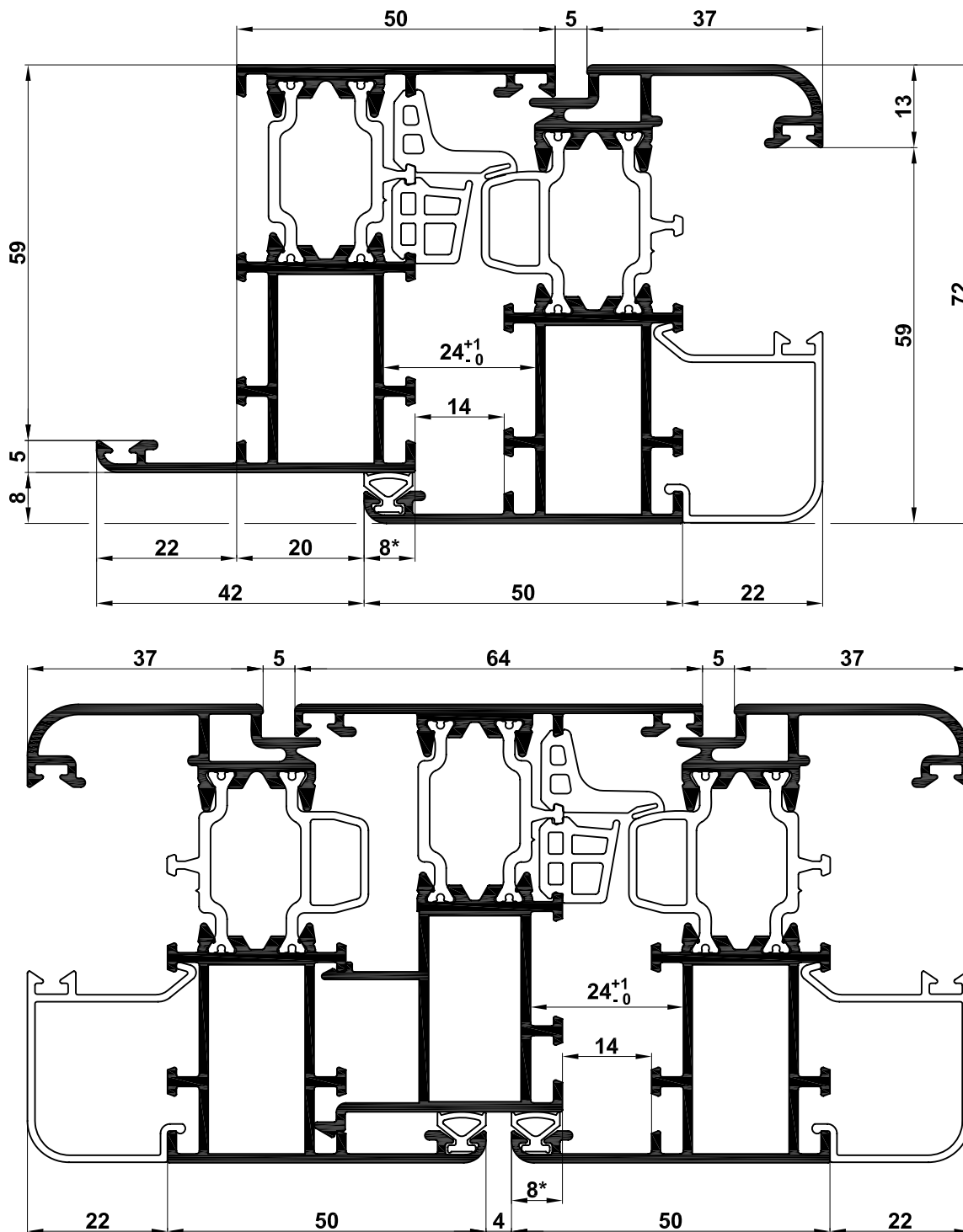
R72C757

**ASTA
BAR**



900221

Lunghezza Standard Barre = 6500 mm
Standard length = 6500 mm



Dimensione Minima Larghezza Anta 700mm

Minimum wing width 700mm

Nel caso si debbano realizzare ante aventi dimensioni ridotte (vedi nota riportata) si consiglia di diminuire la quota di battuta da 8 mm a 7,5 mm

In case you need to realize small wings (see note). We suggest to decrease the closure dimension from 8mm to 7,5mm

N.B.:

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

N.B.:

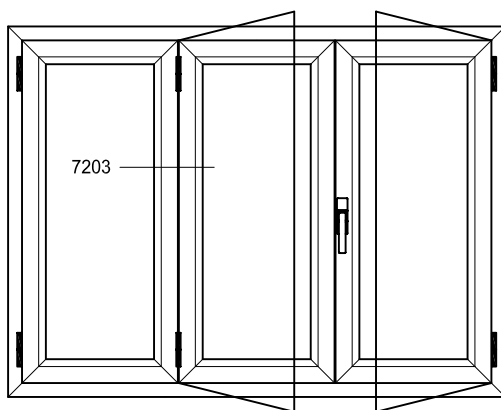
- The dimensions indicated, are obtained considering theoretical values.

- Sezioni tipiche finestra, porta a battente e anta ribalta.
Typical sections of window, door and tilt and turn.

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

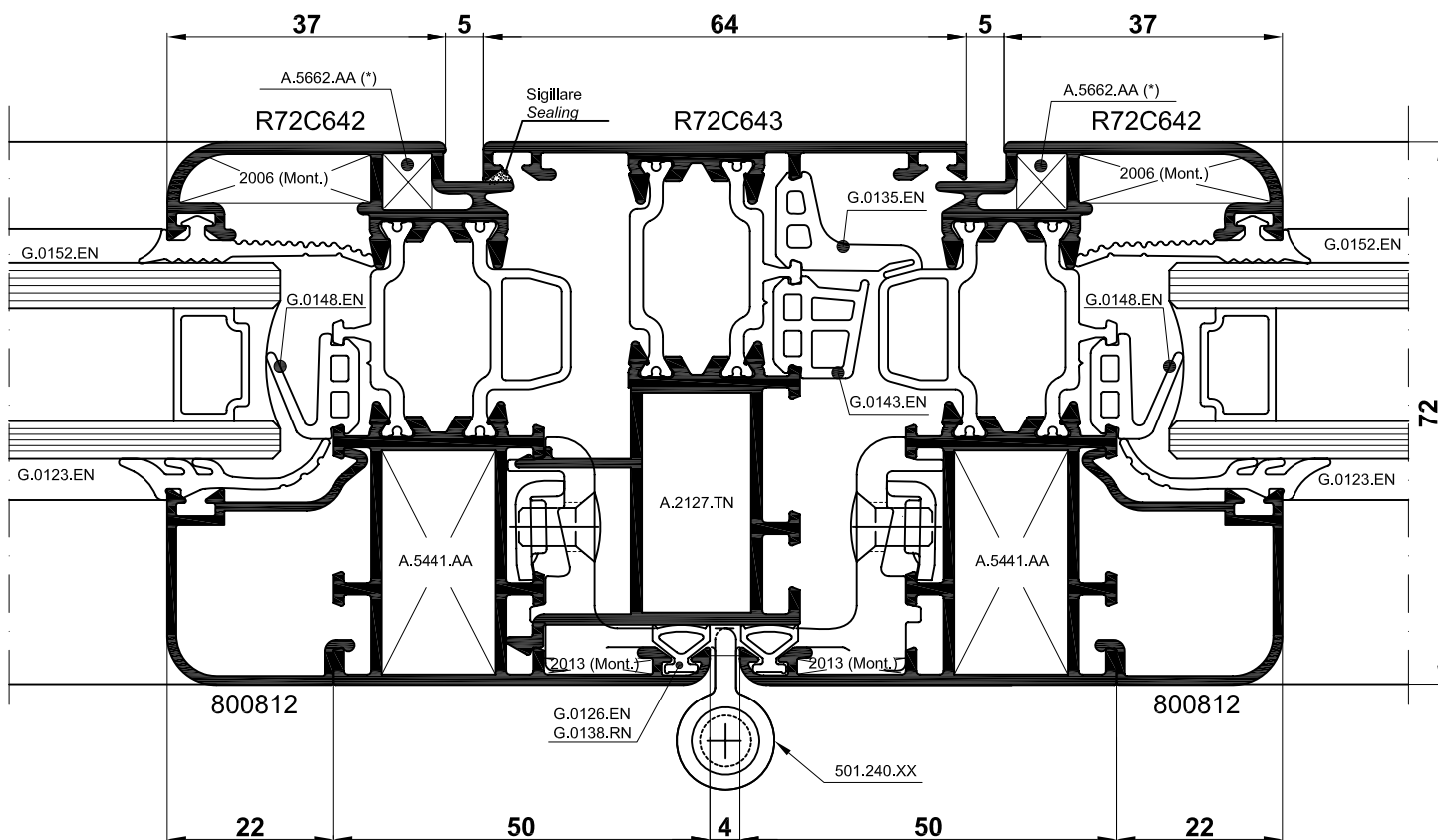
★ Per anta ribalta "Rbalta 150", considerare 7,5 mm
For "Rbalta 150" tilt and turn, have to consider 7,5 mm

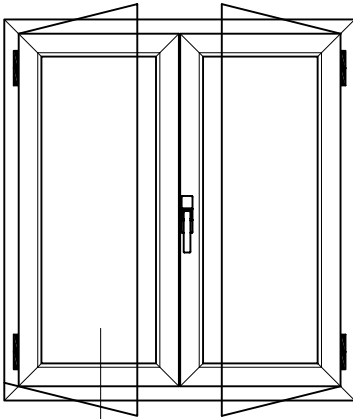
The sections, accessories and weatherstrips in this catalogue belong to Sapa as sole patentee.



(*) 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

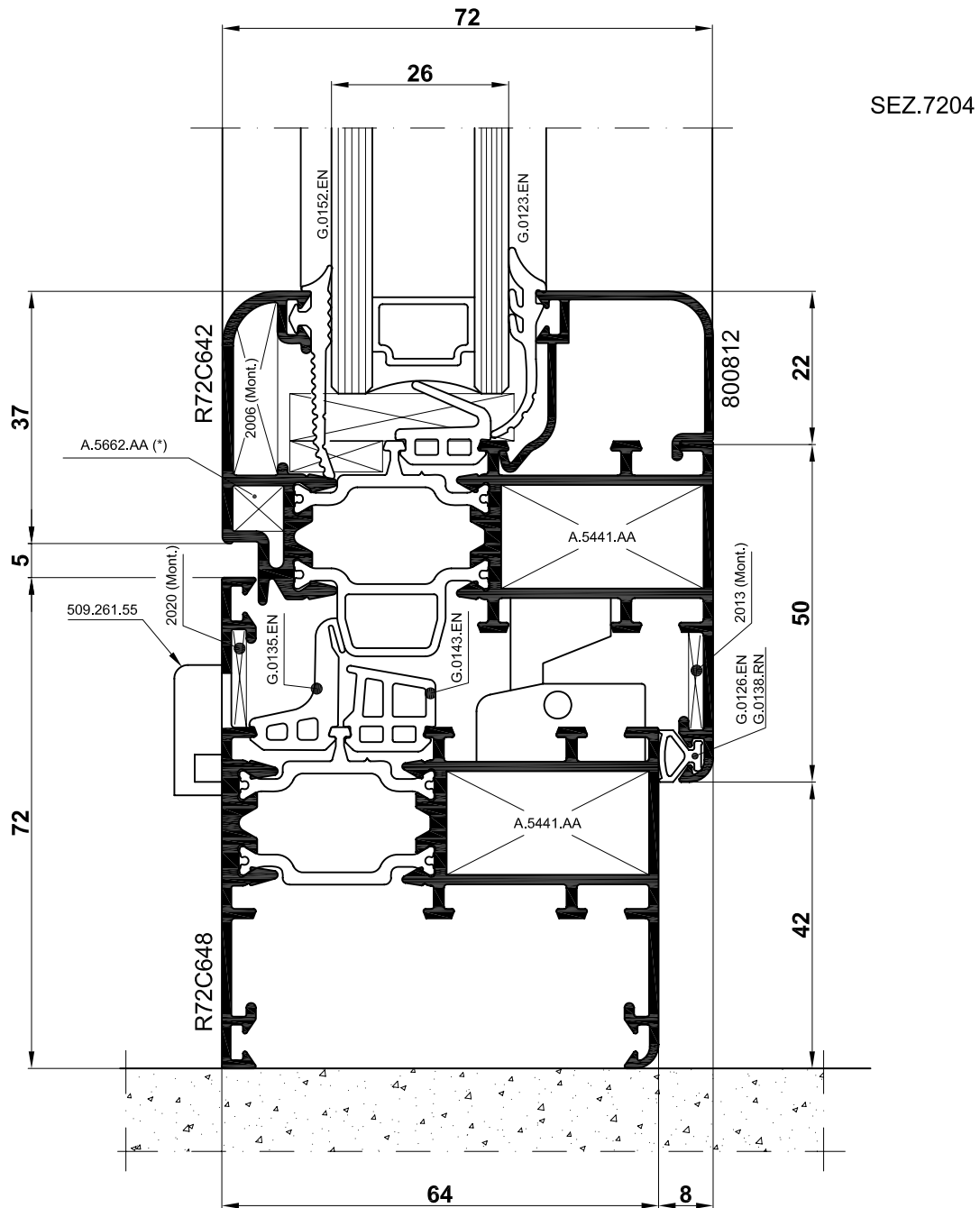
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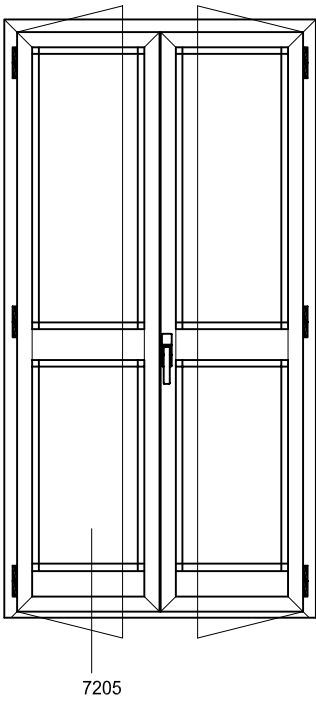




7204

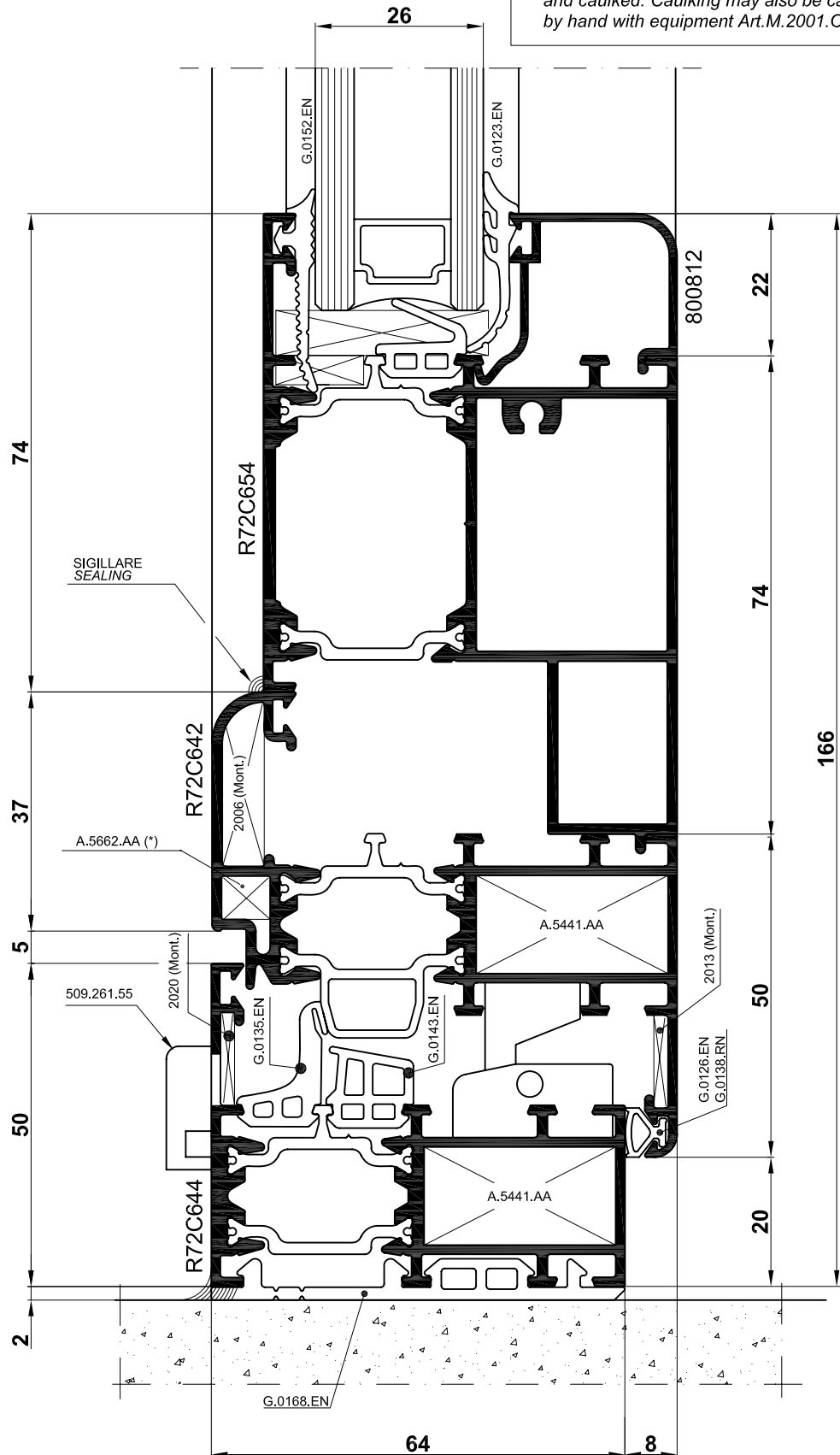
(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
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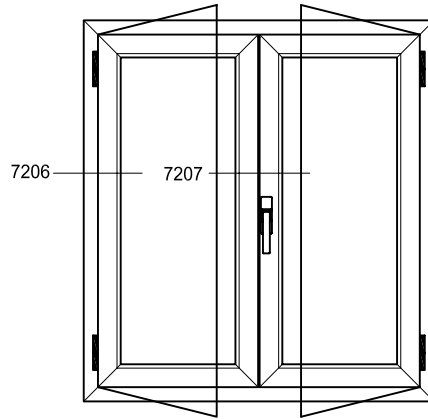
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SEZ.7205



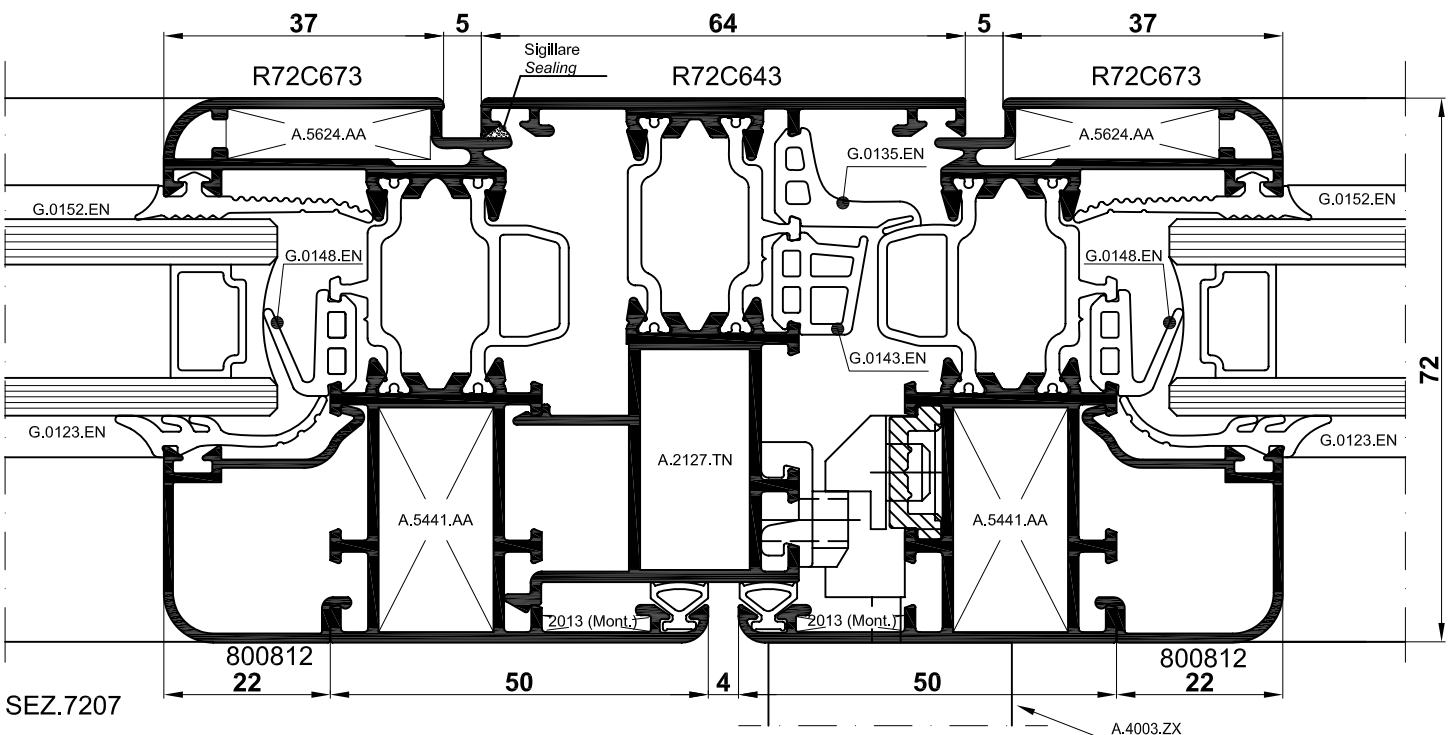
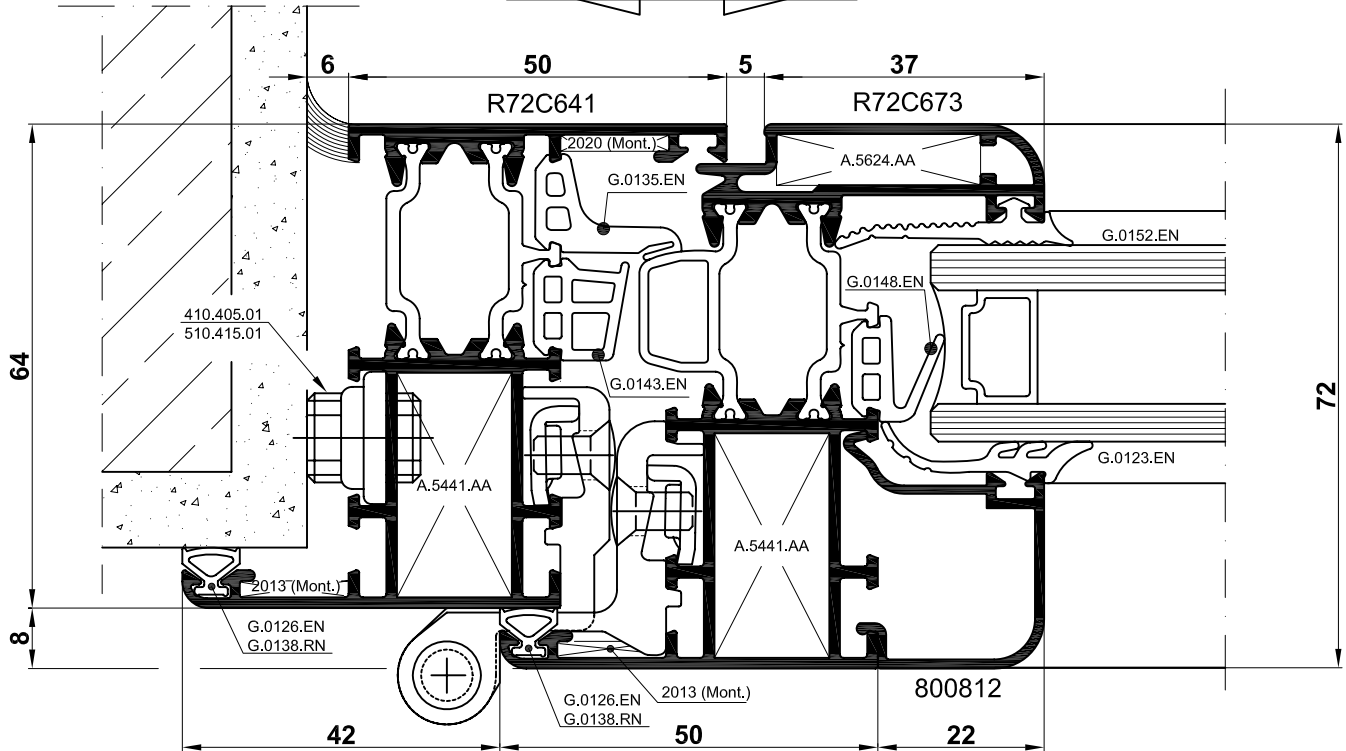
(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
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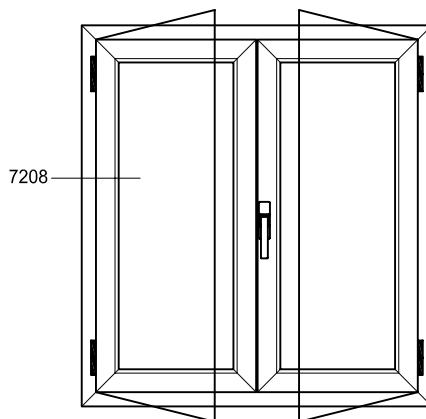
SEZIONI - FINESTRA A DUE ANTE CON PROF. R72C673
SECTIONS - TWO WING WINDOW WITH R72C673



(*) 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

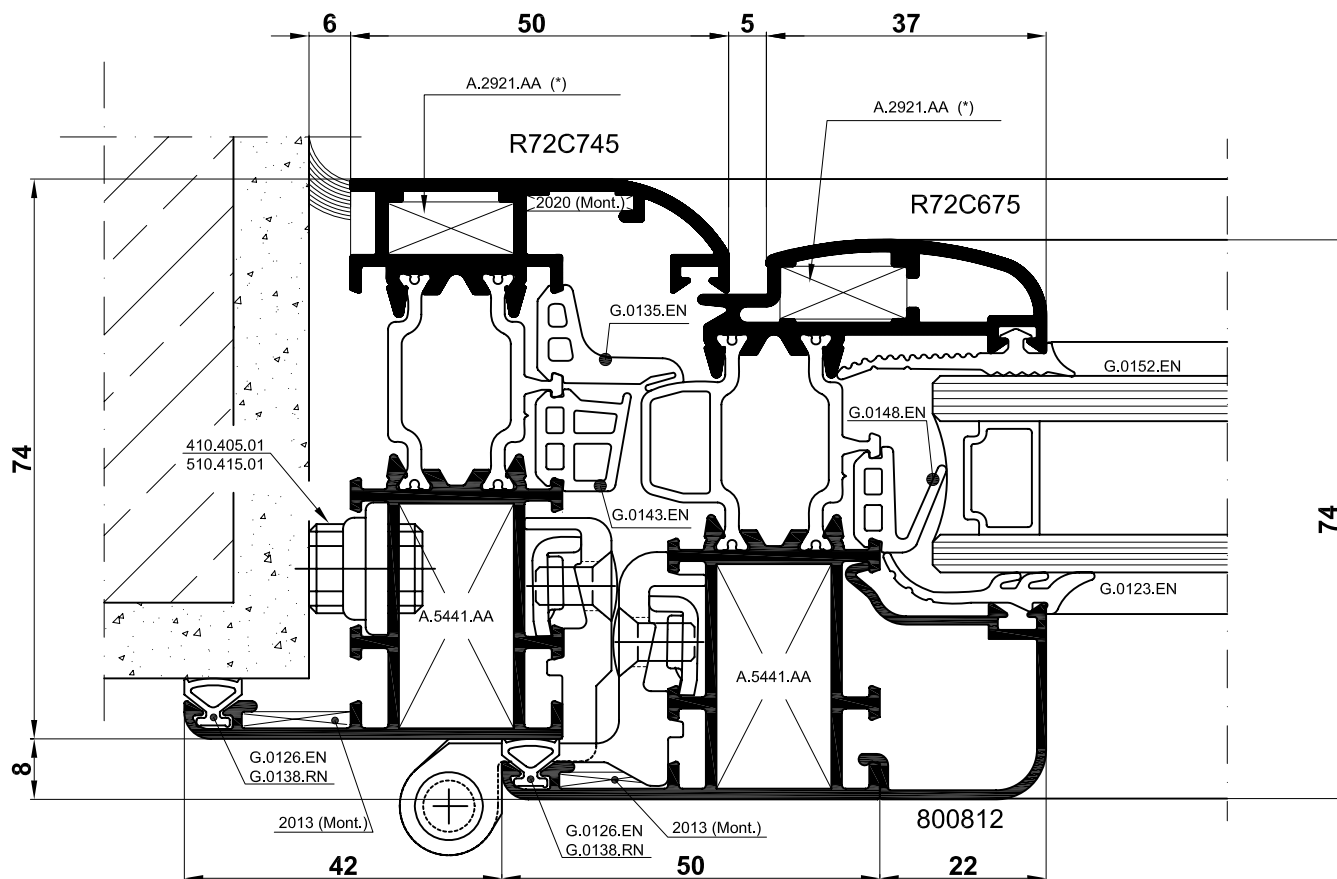
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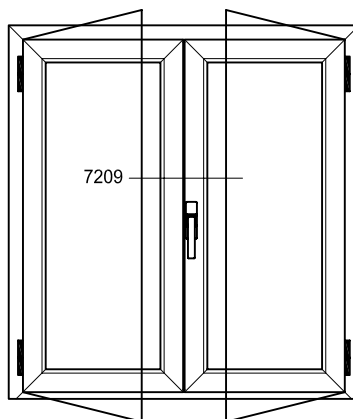




(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may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

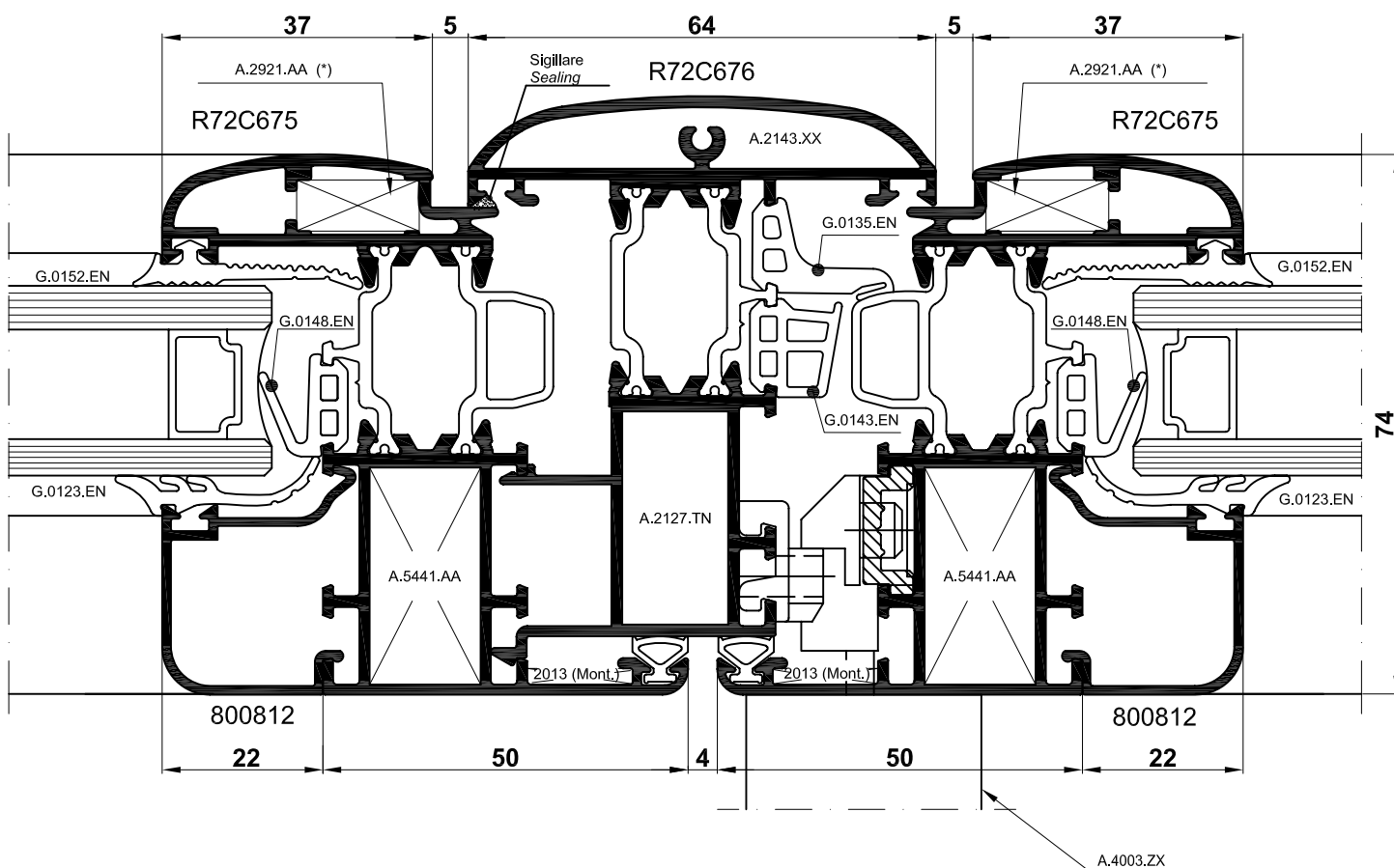
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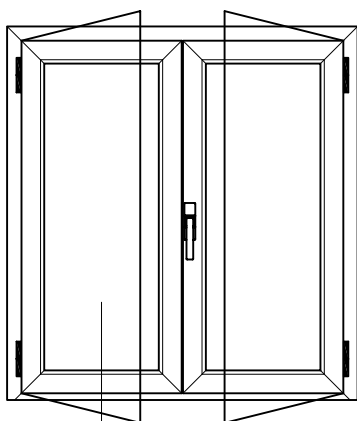




(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfratura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also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

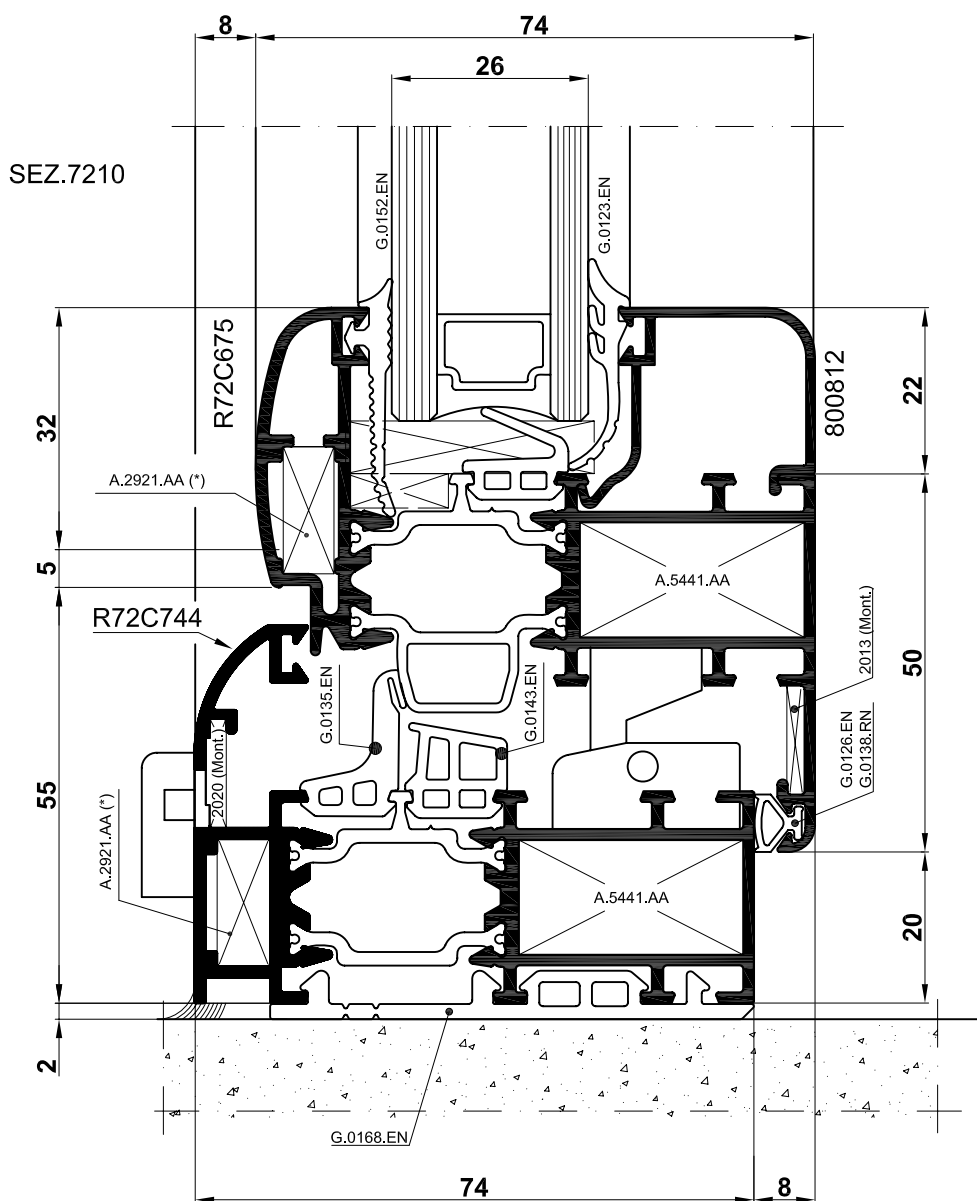
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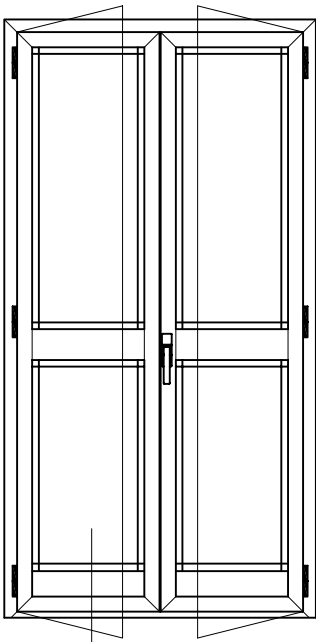




7210

(*) 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

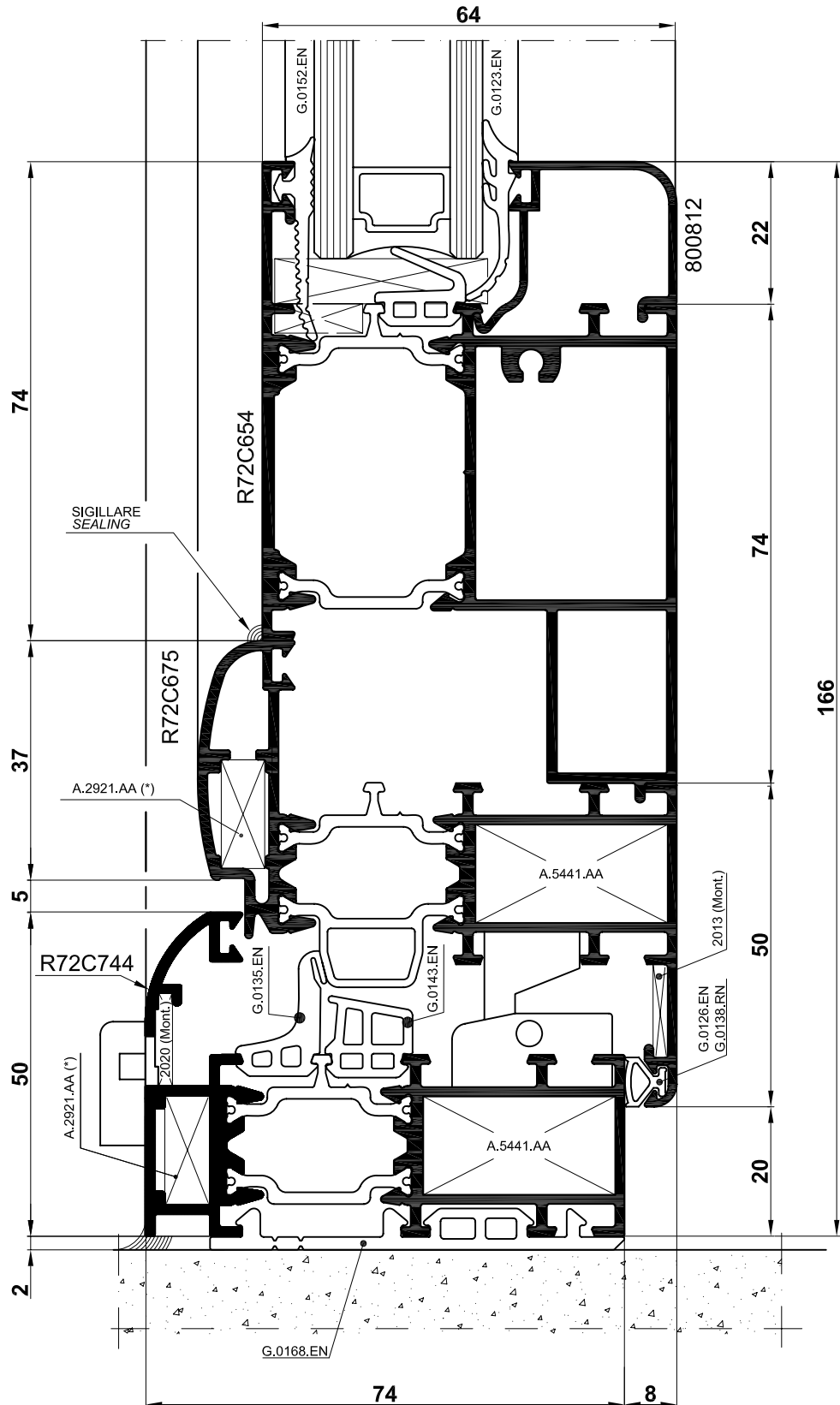


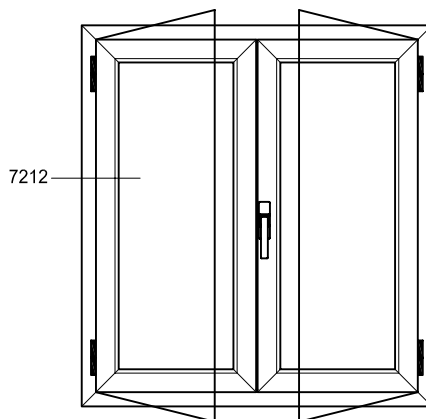


7211

SEZ.7211

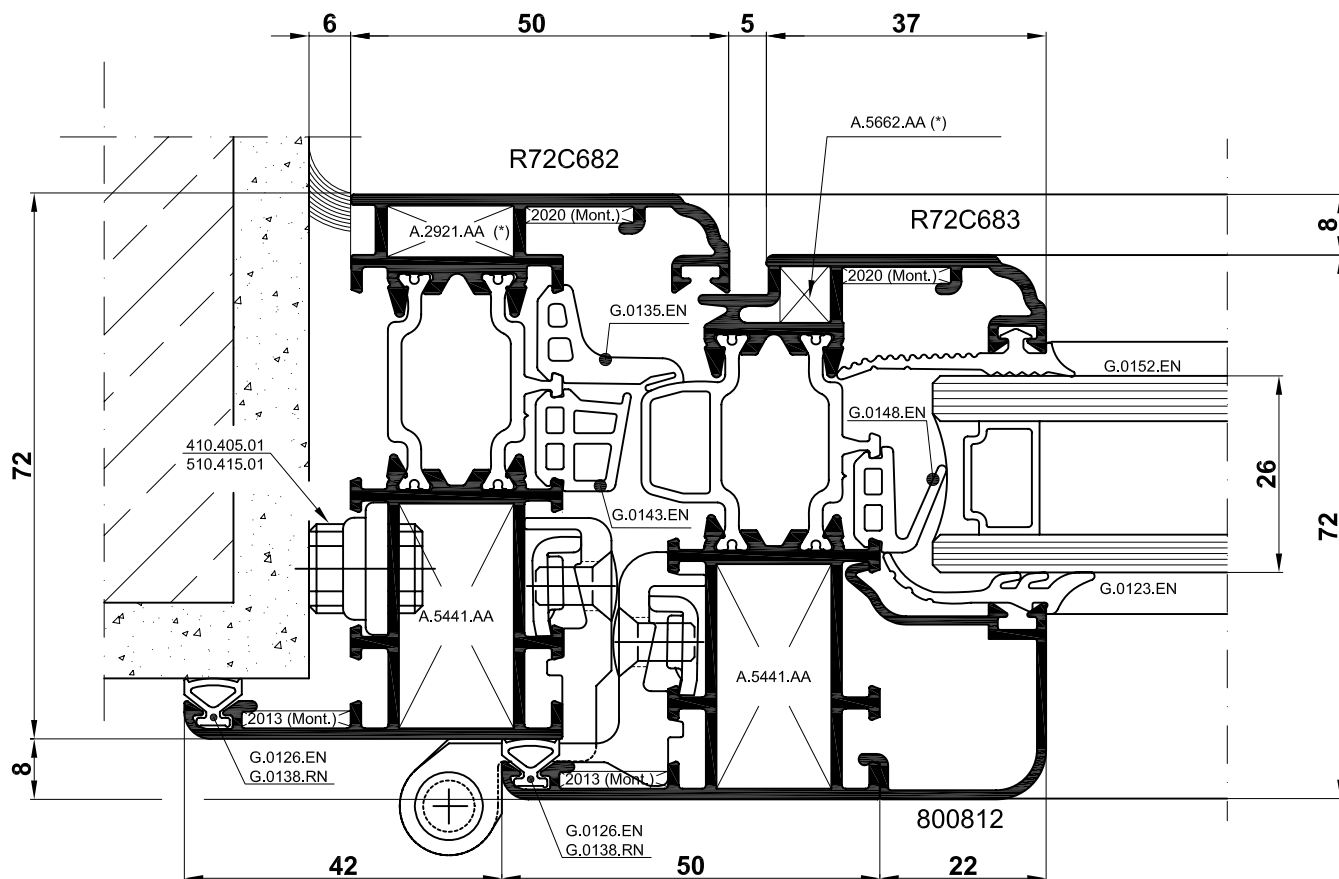
(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may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

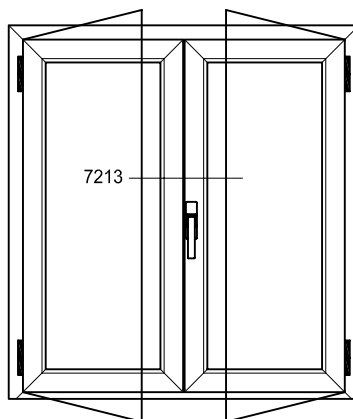




(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfratura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also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

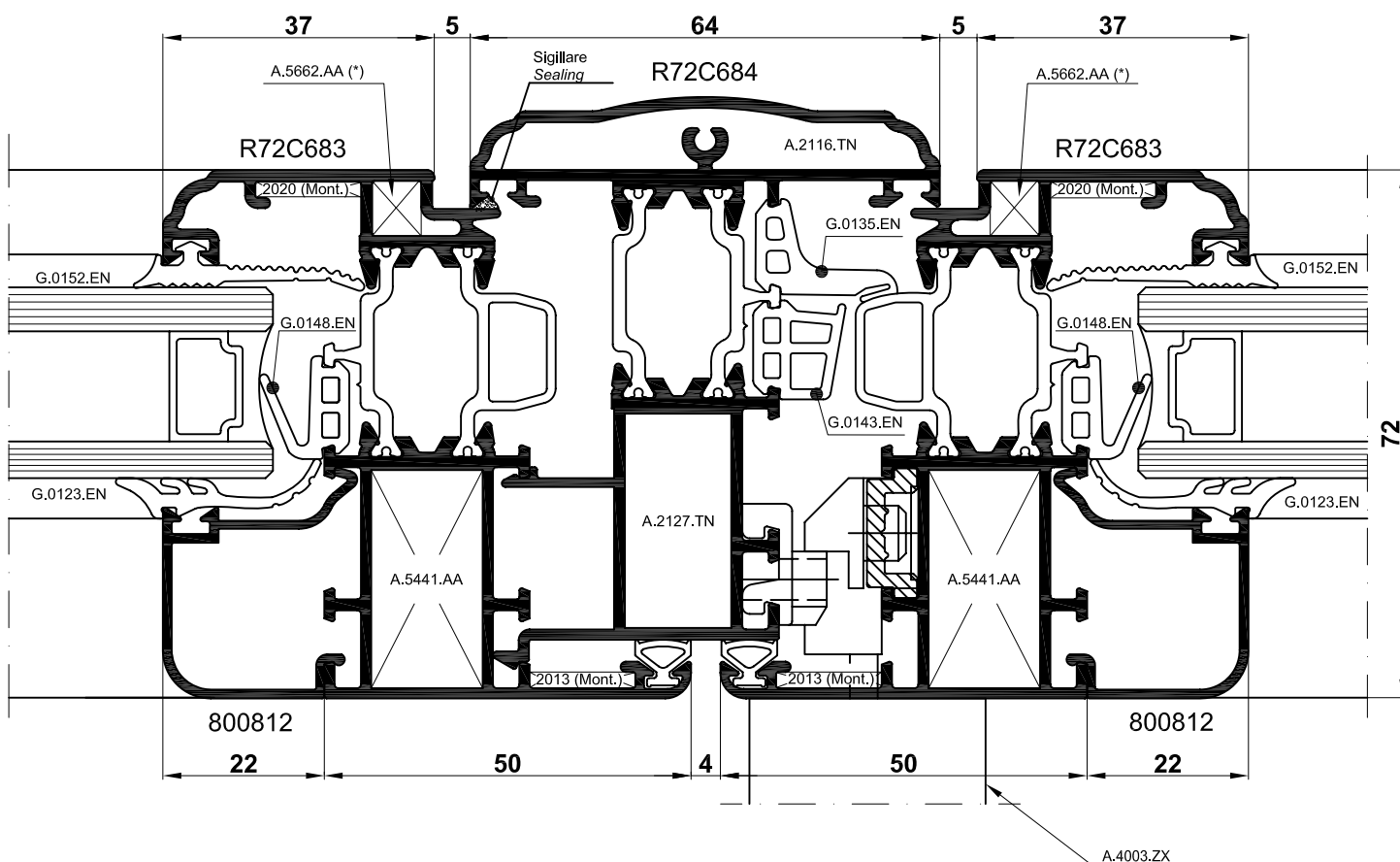
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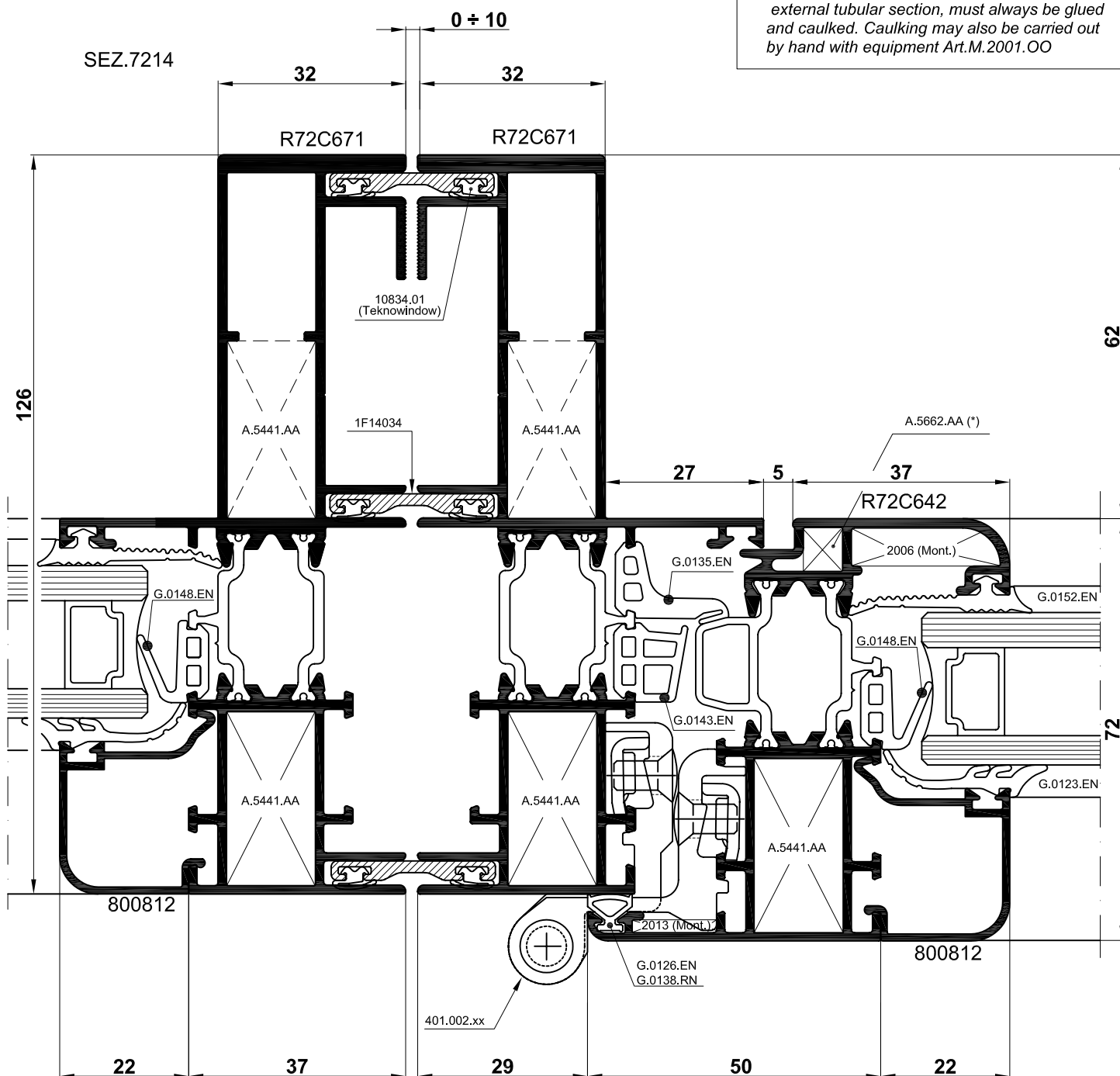


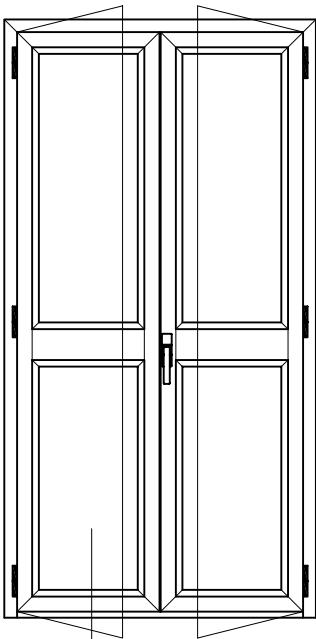
(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfratura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also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

SEZ.7213



(*) 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

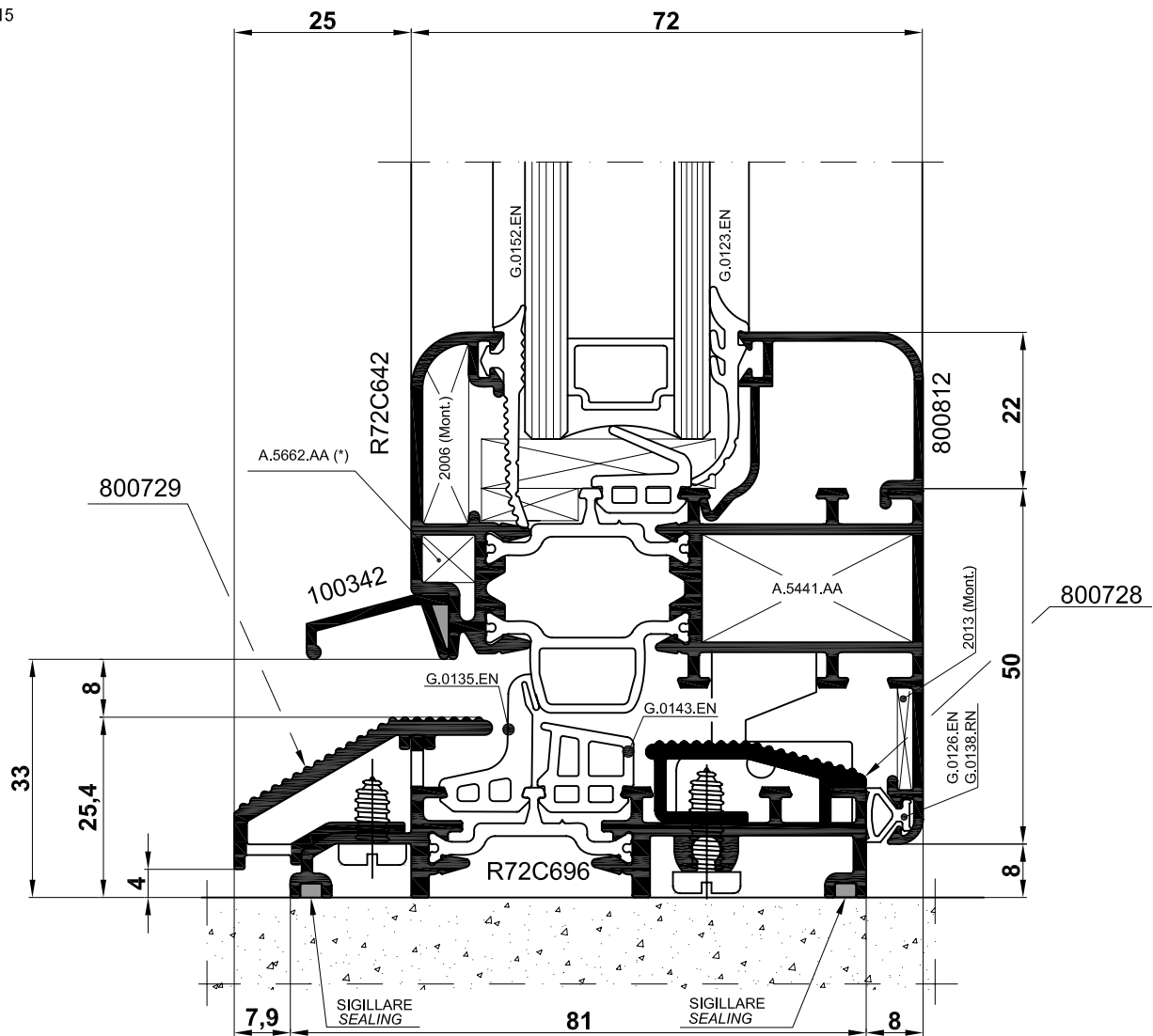


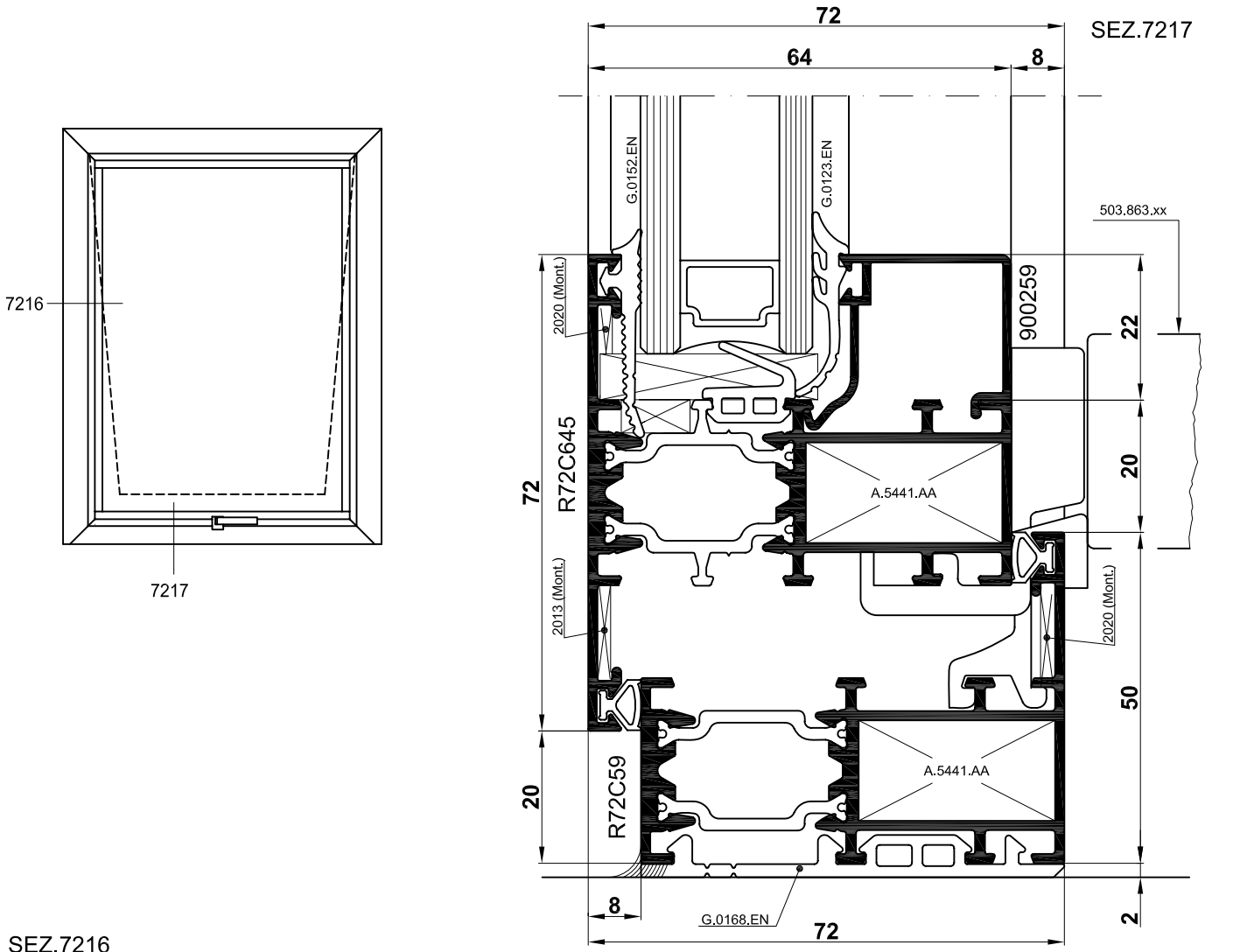


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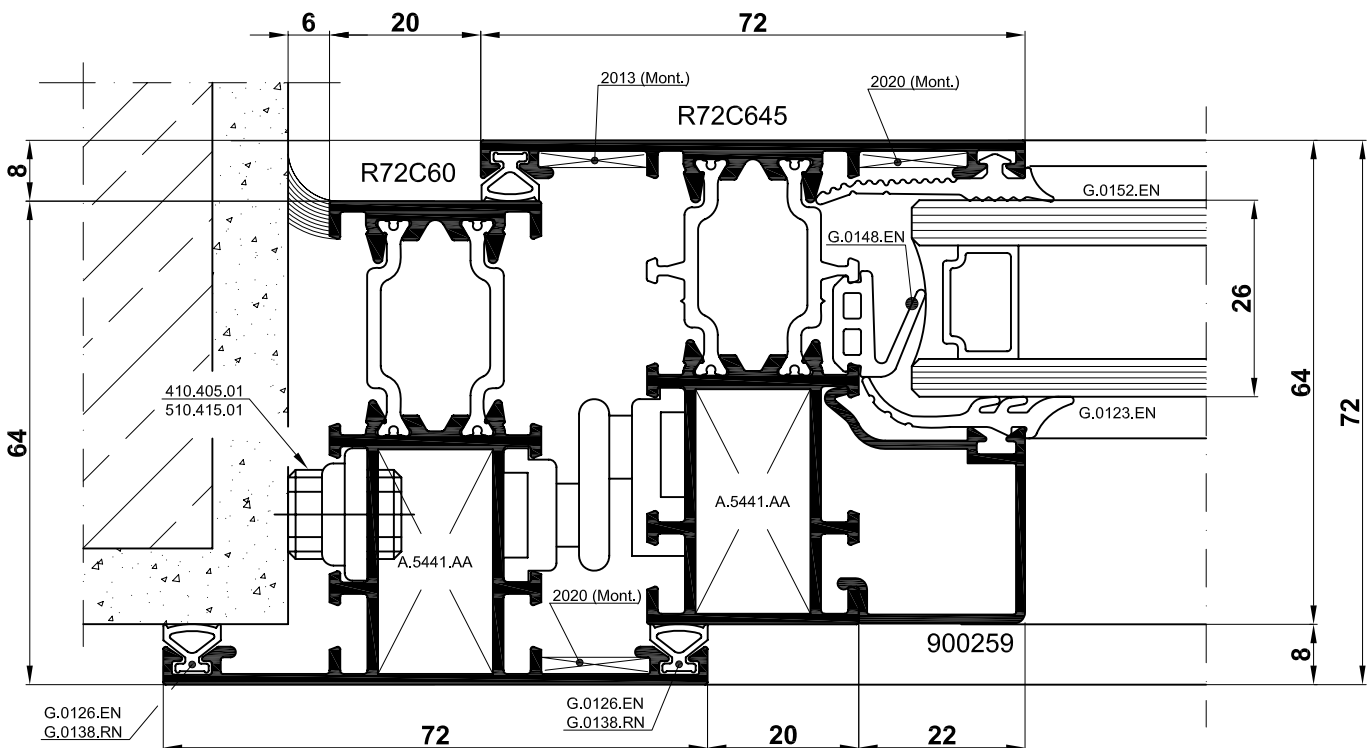
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In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may also be carried out by hand with equipment Art.M.2001.OO

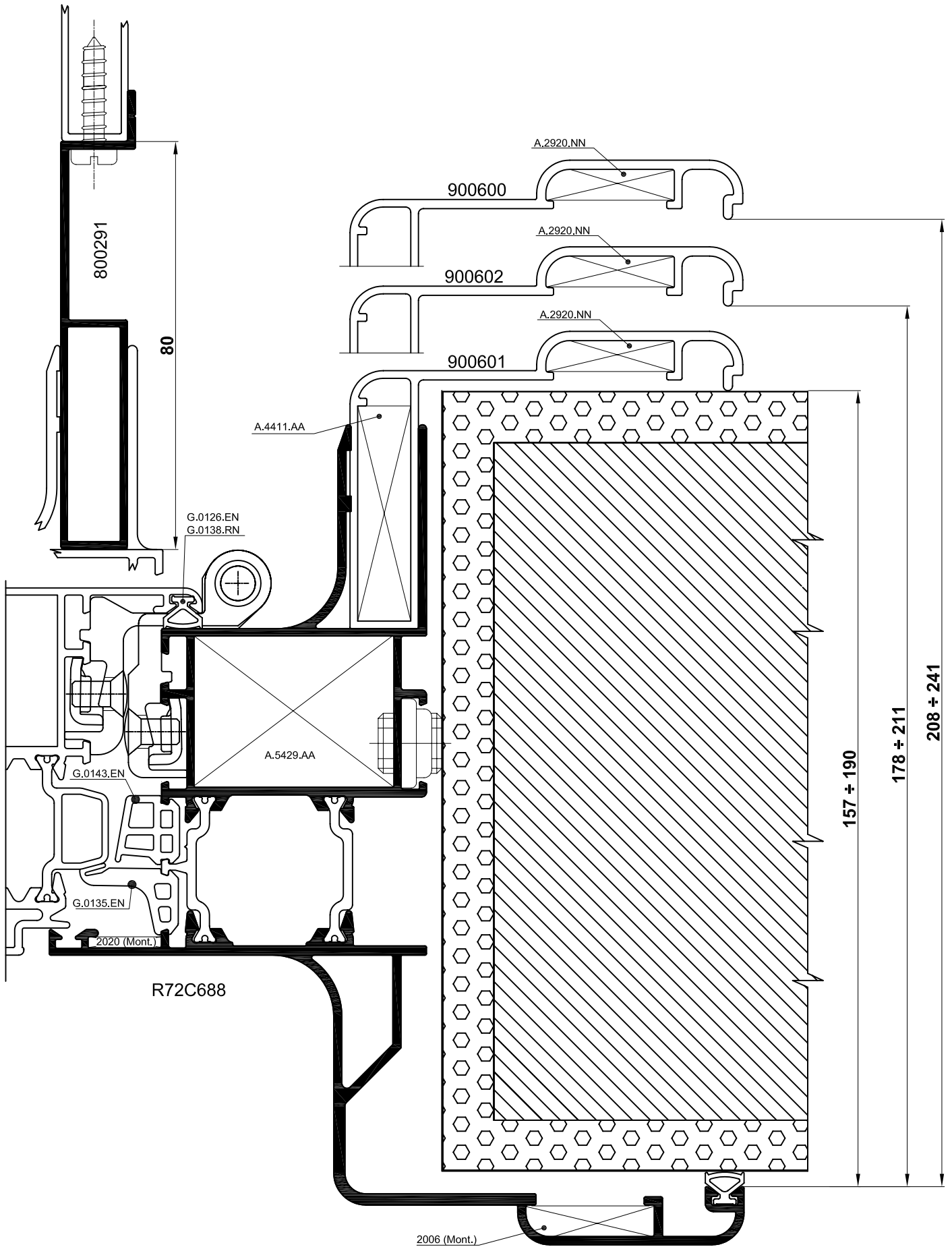
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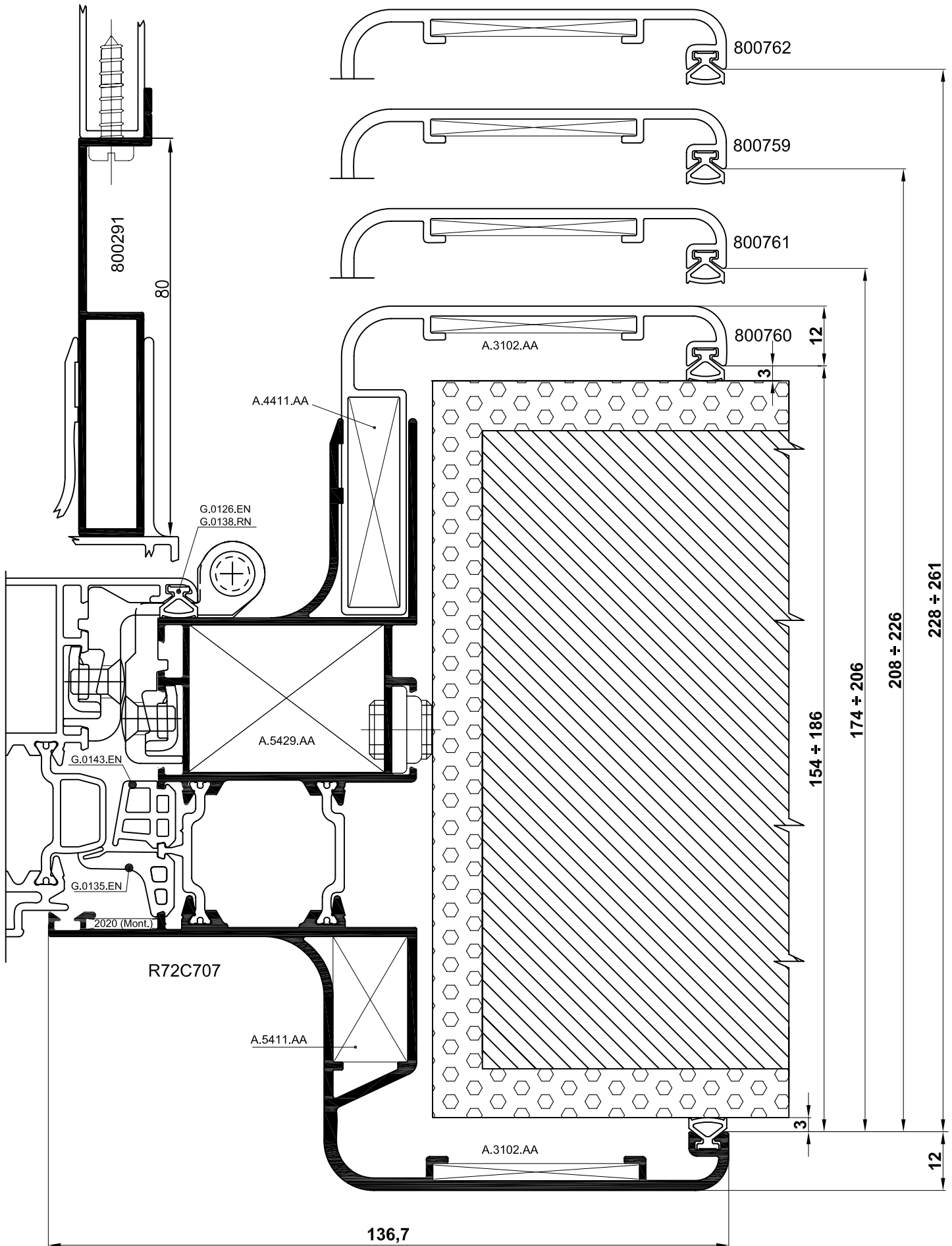




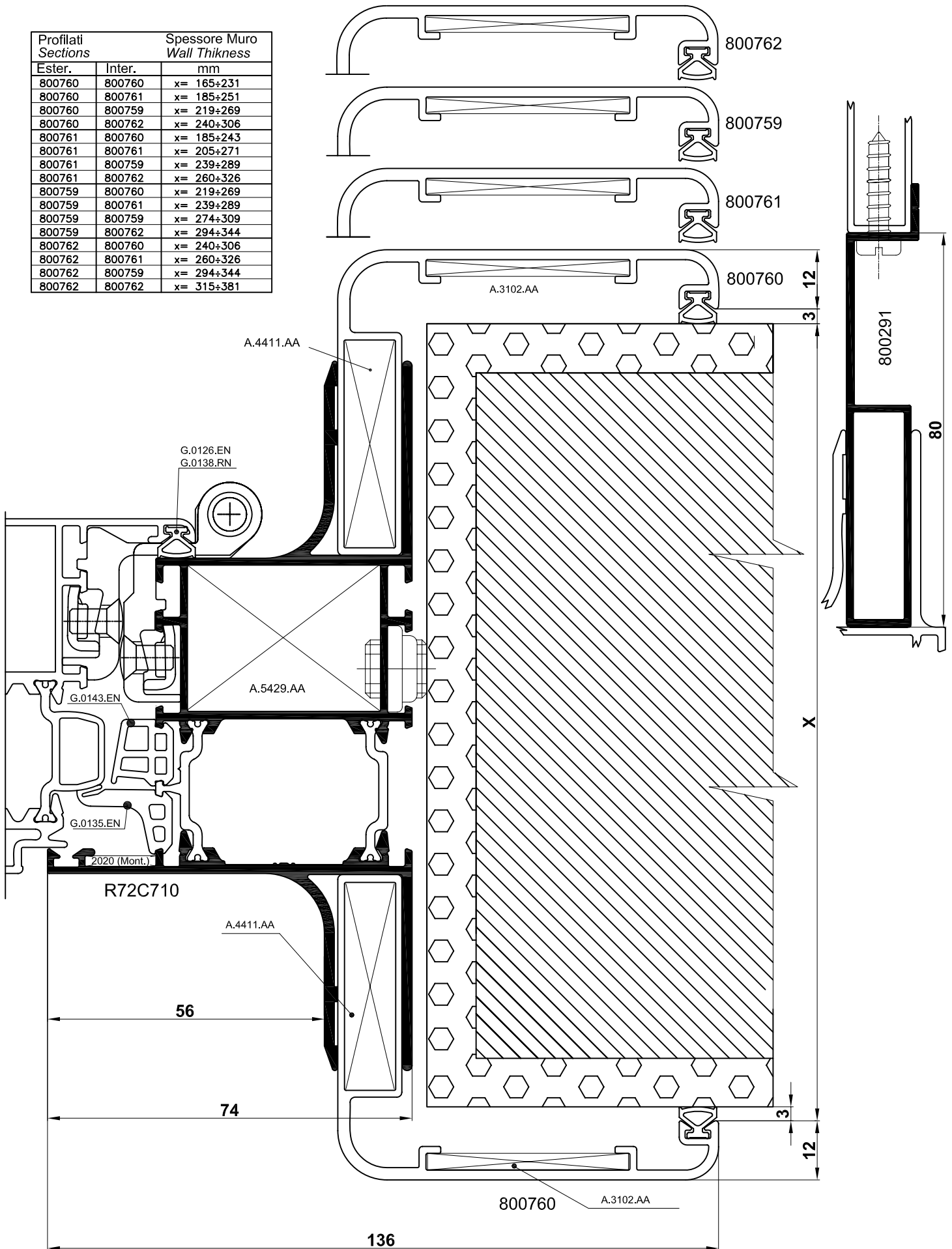
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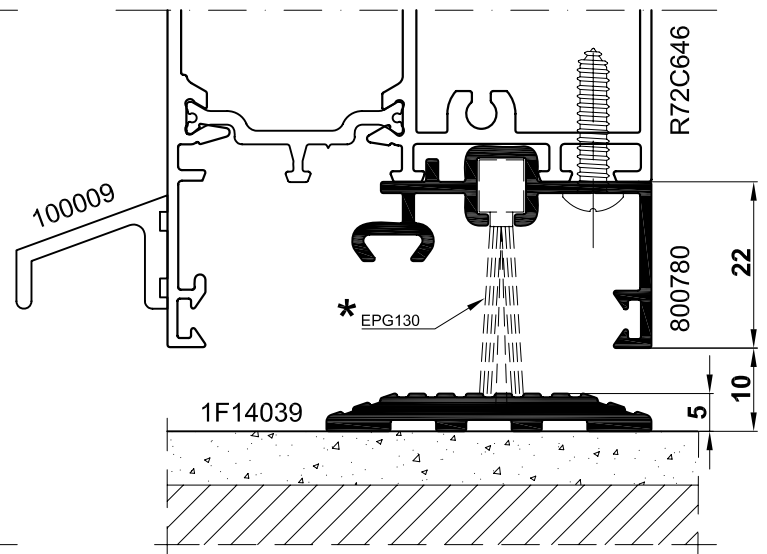
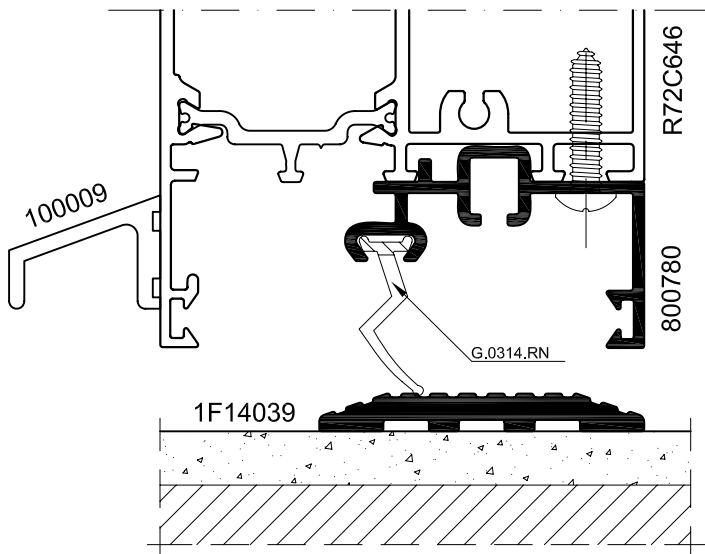
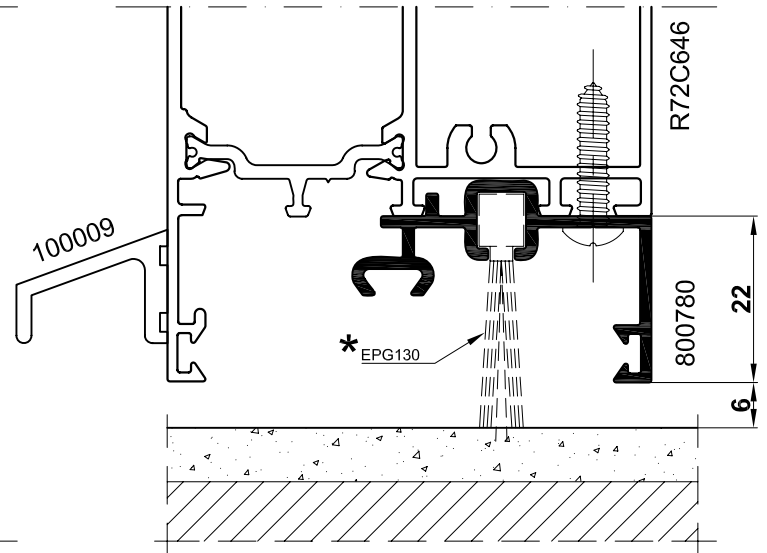
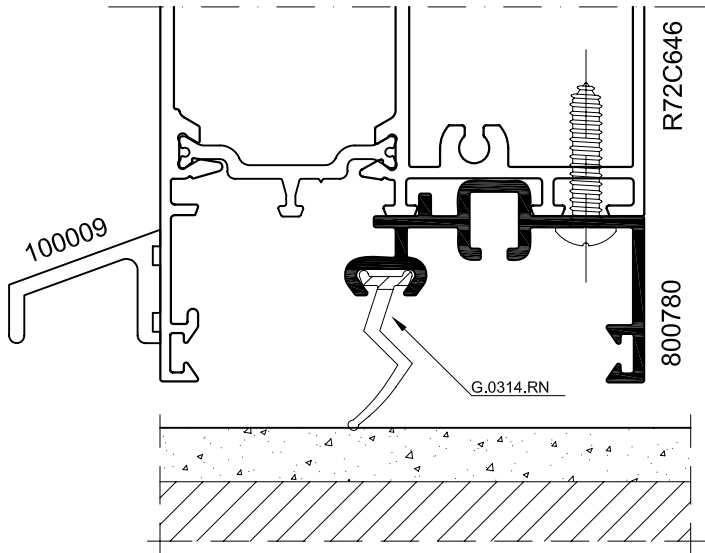
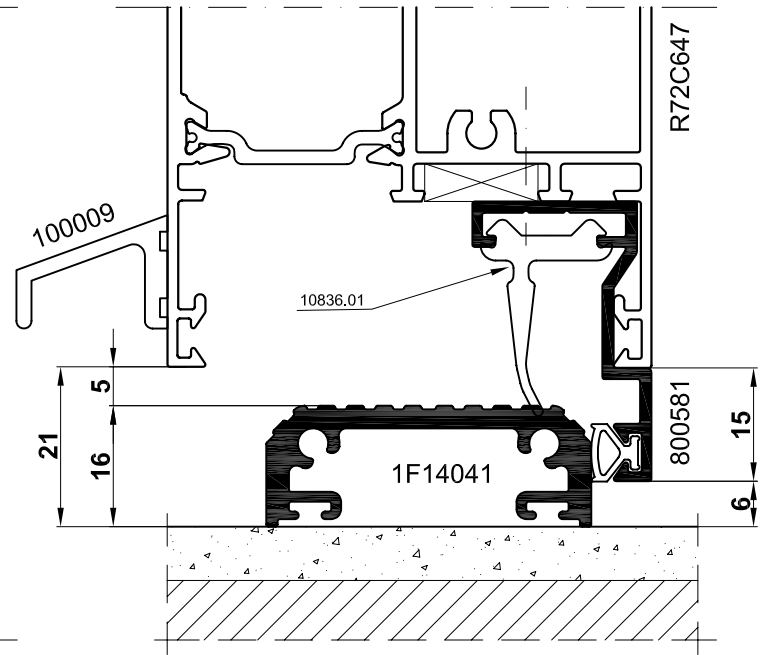
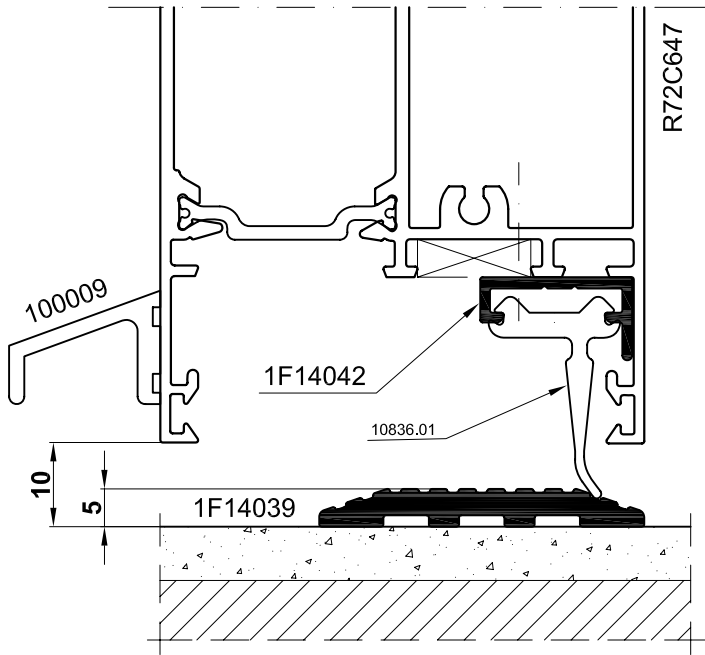




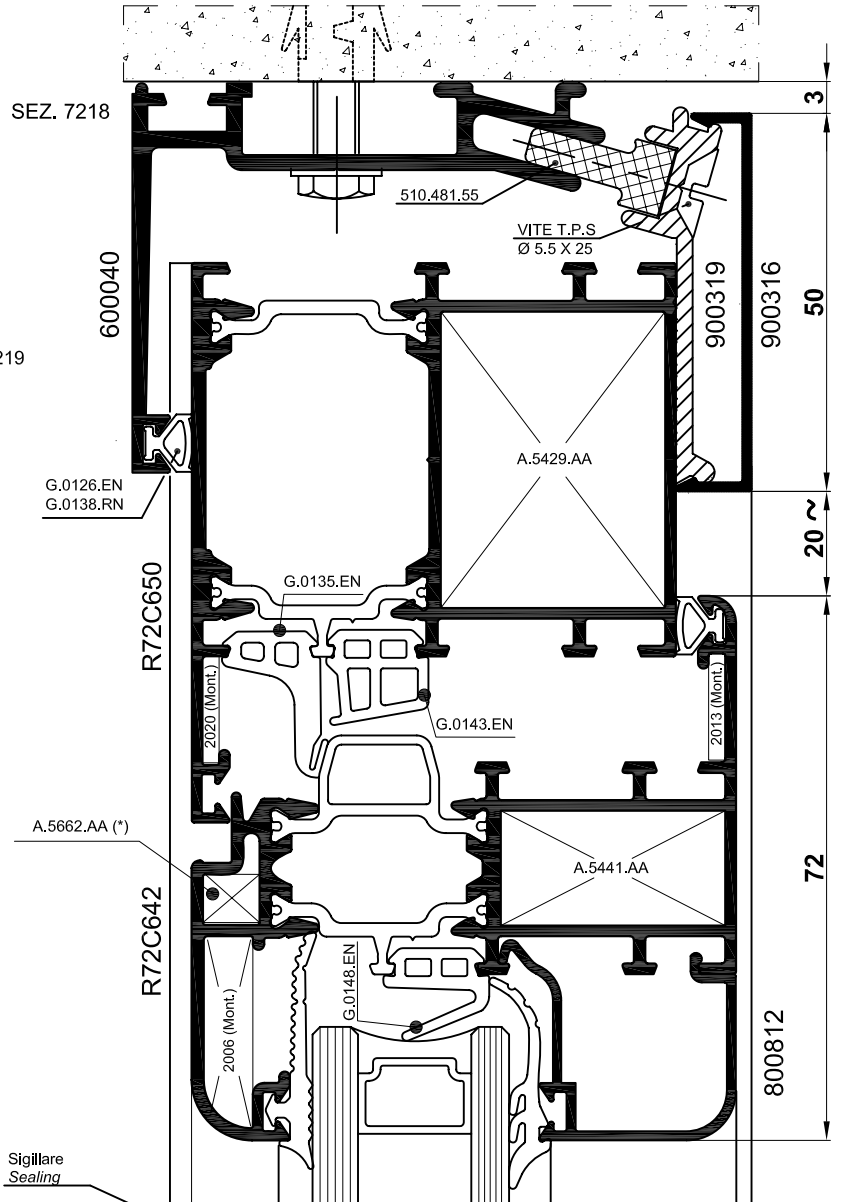
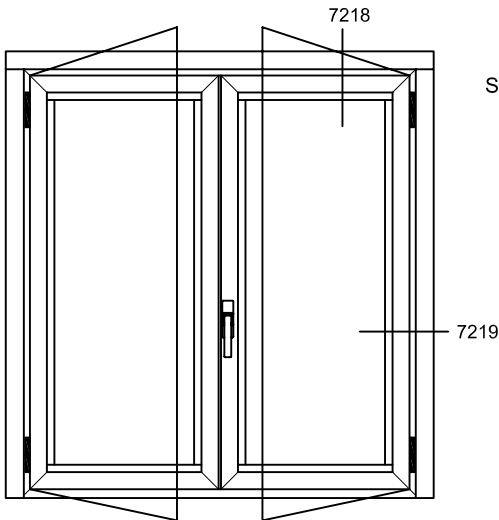


Profilati Sections		Spessore Muro Wall Thickness
Ester.	Inter.	mm
800760	800760	x= 165+231
800760	800761	x= 185+251
800760	800759	x= 219+269
800760	800762	x= 240+306
800761	800760	x= 185+243
800761	800761	x= 205+271
800761	800759	x= 239+289
800761	800762	x= 260+326
800759	800760	x= 219+269
800759	800761	x= 239+289
800759	800759	x= 274+309
800759	800762	x= 294+344
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800762	800761	x= 260+326
800762	800759	x= 294+344
800762	800762	x= 315+381

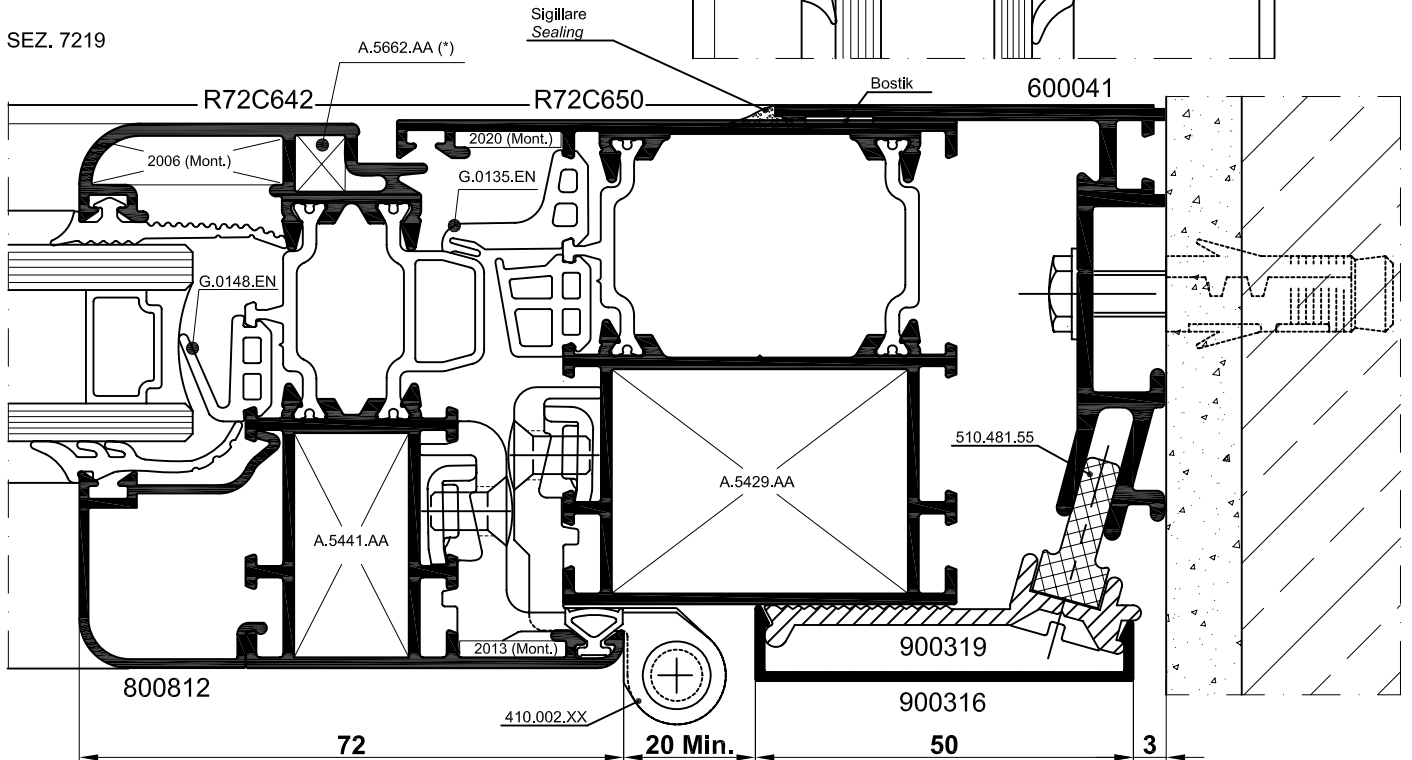


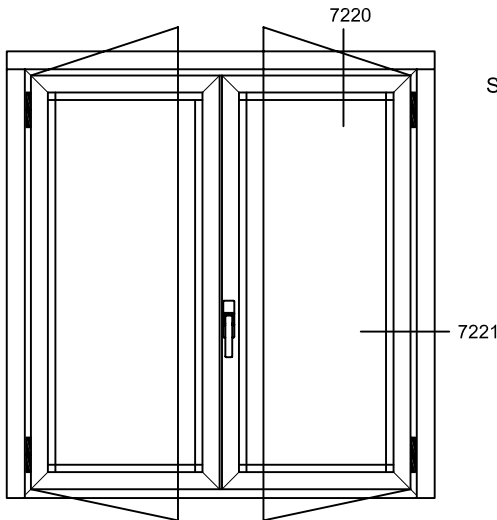


* Commercializzato dalla ditta Perego
 Marketed by the company Perego

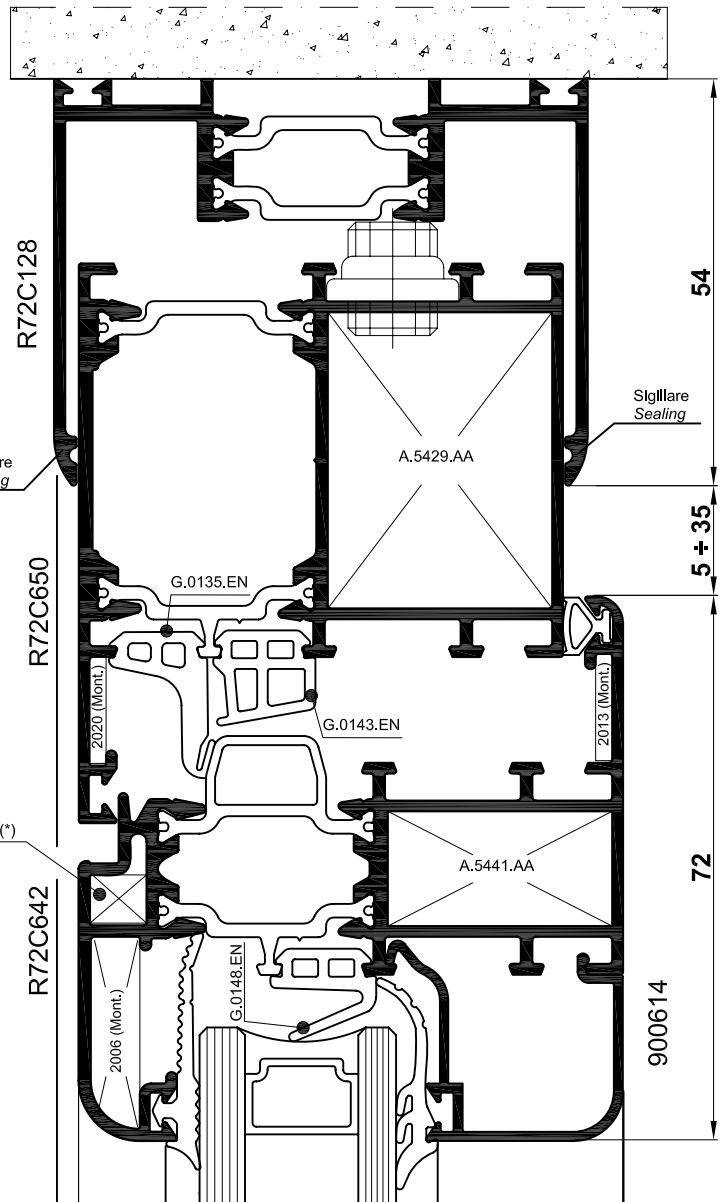


(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may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



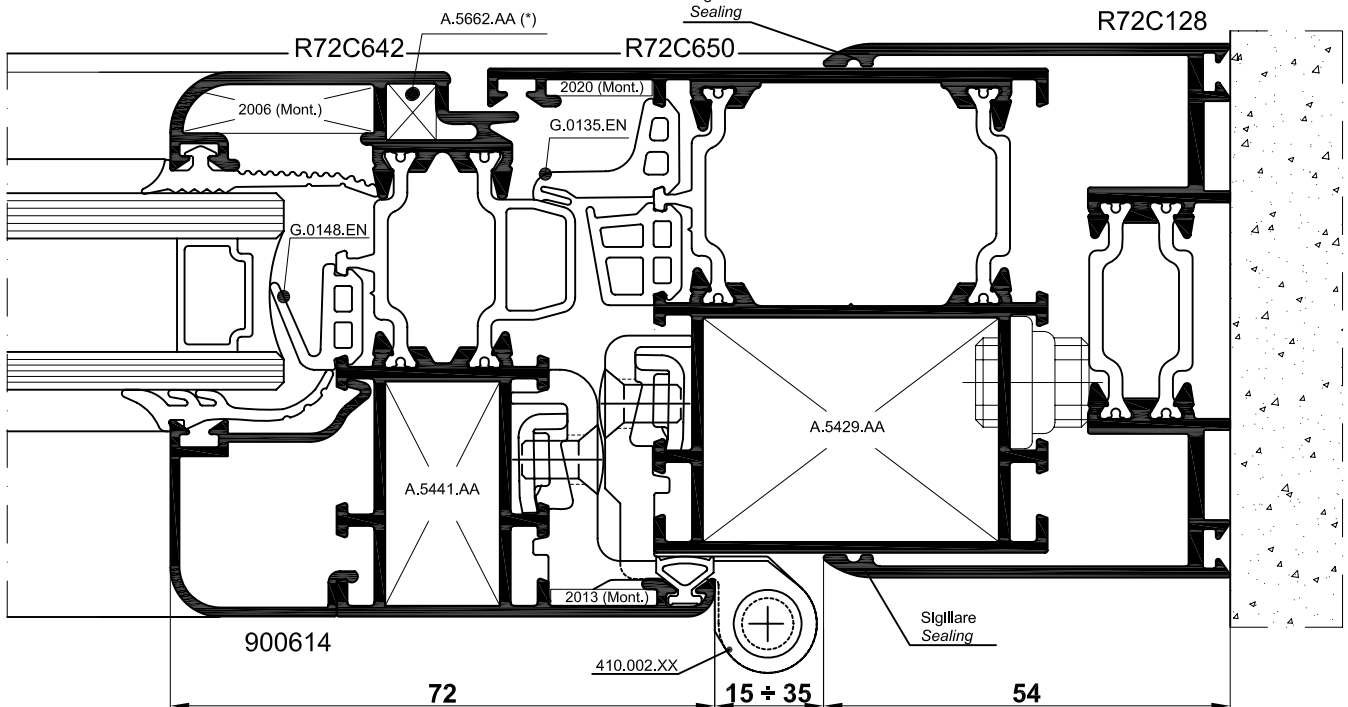


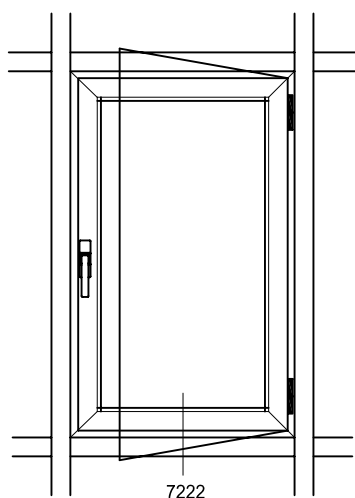
SEZ. 7220



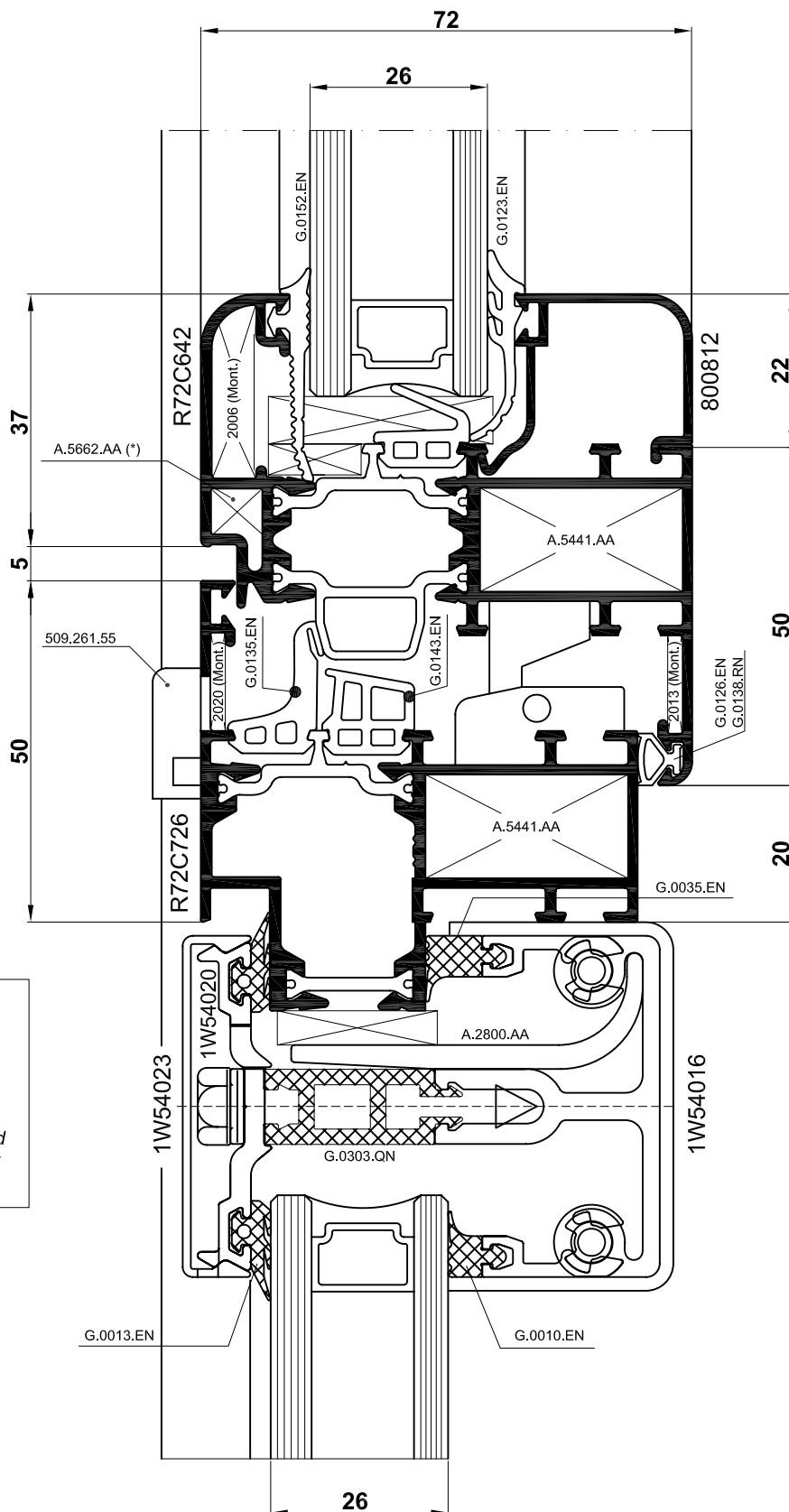
(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may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

SEZ. 7221

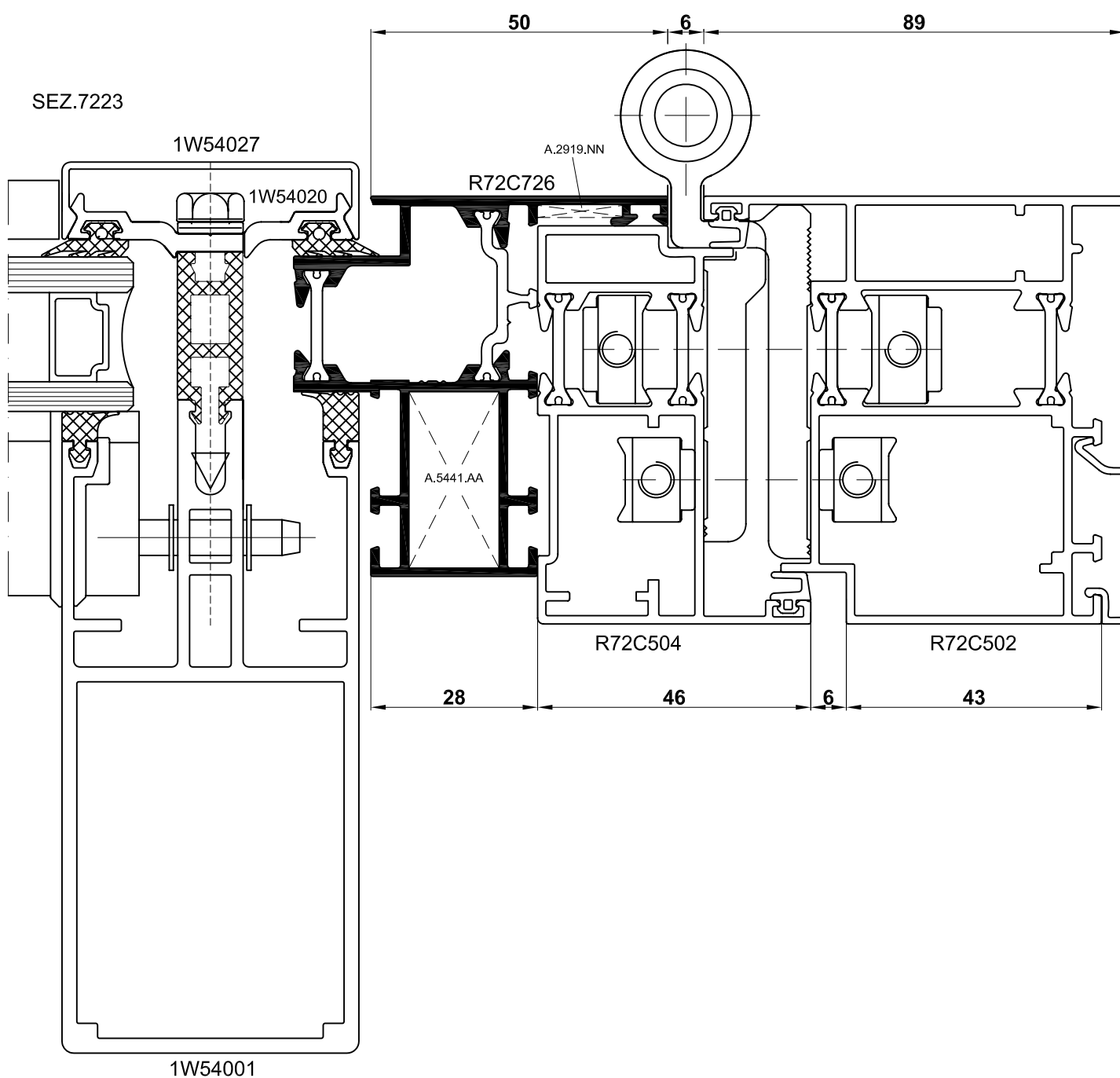
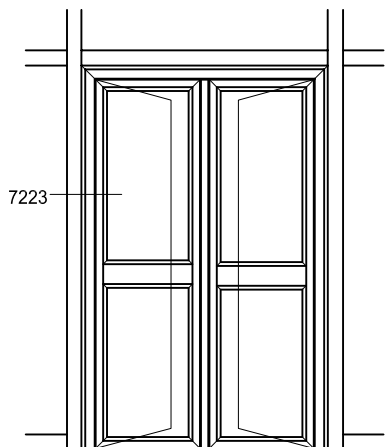


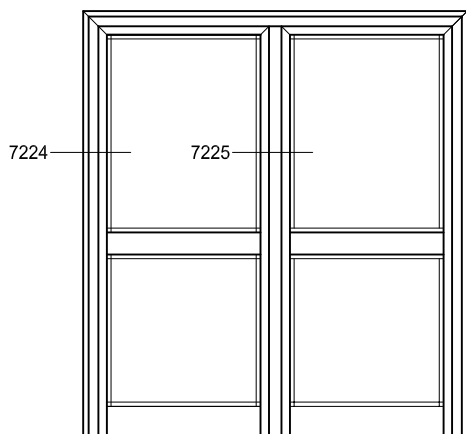


SEZ.7222

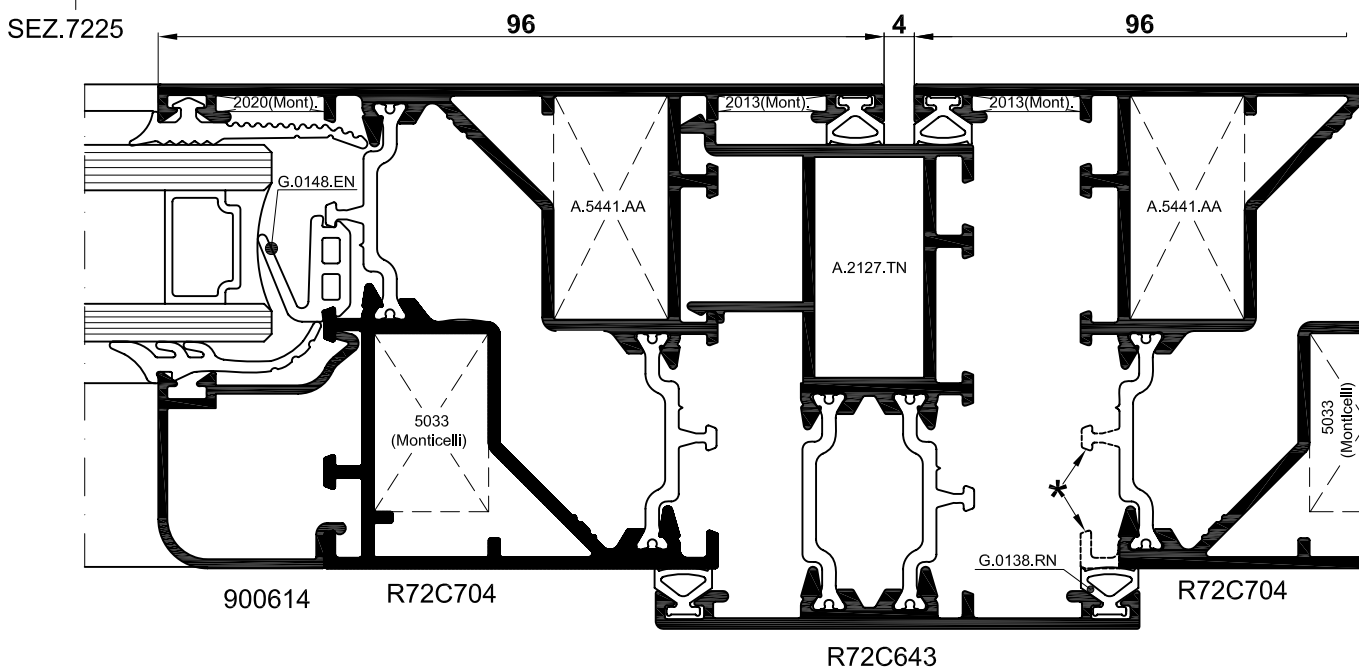
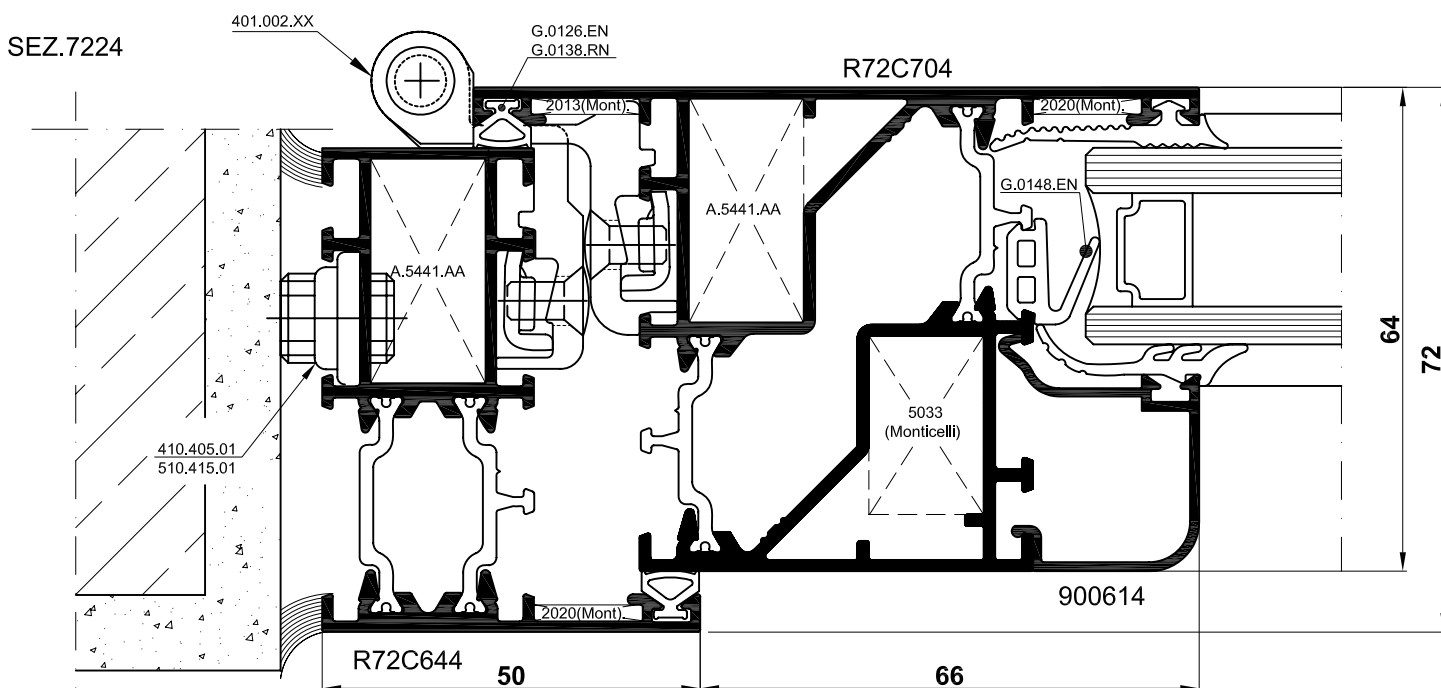


(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.OO
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked. Caulking may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

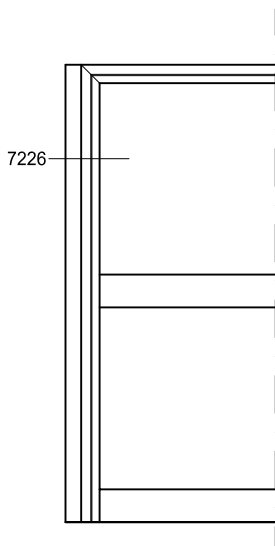




* Asportare dentini per l'altezza del tappo A.2127.TN
 Removed pins for the total height on the plug A.2127.TN

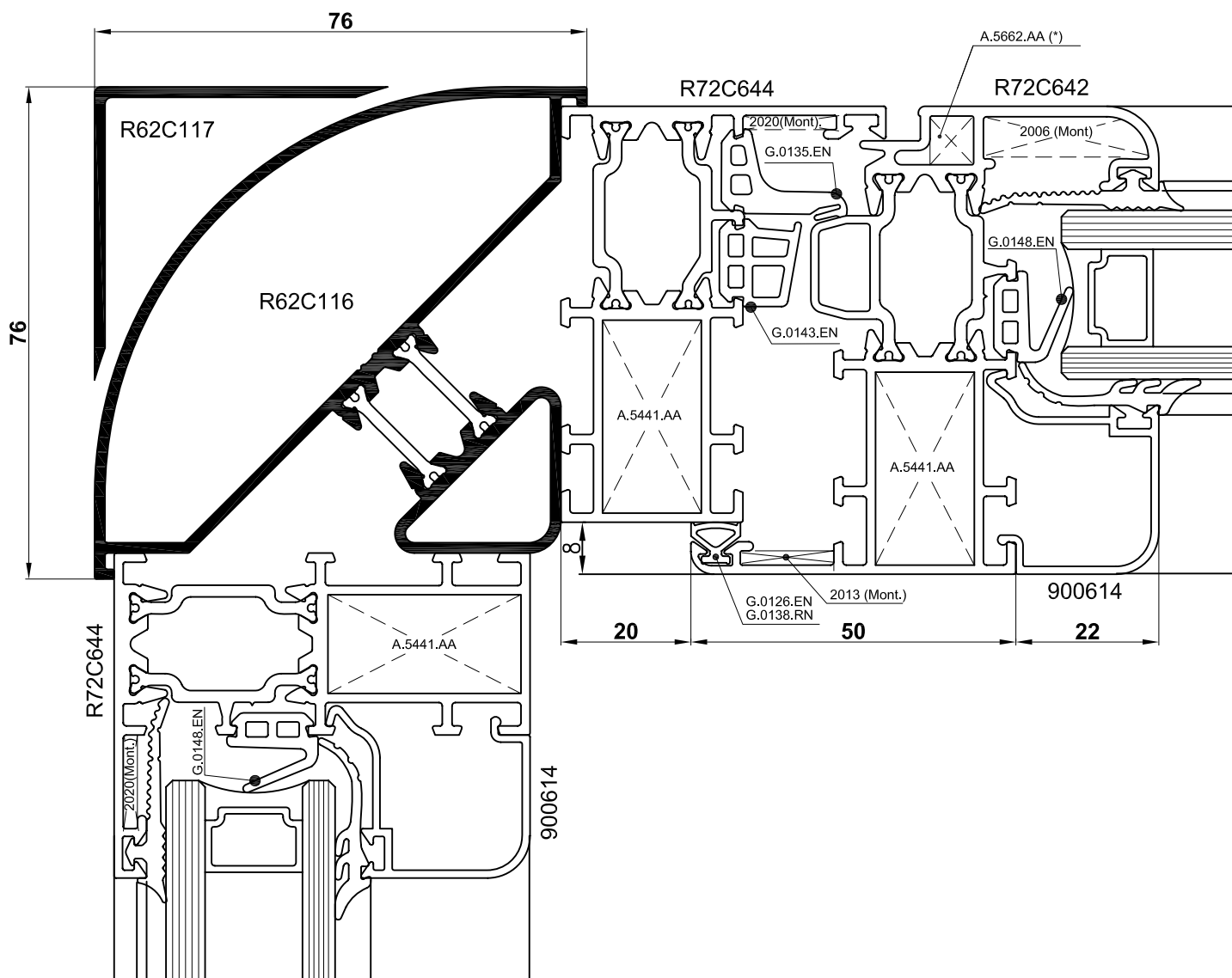


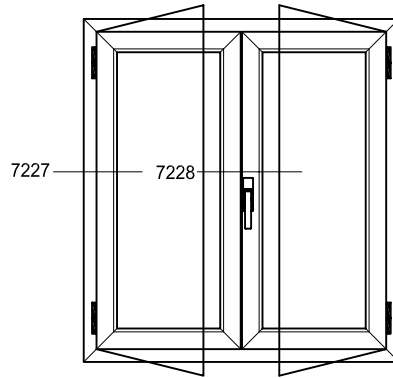
Attenzione: L' R72C704 non è utilizzabile con innesti guida e cremone per apertura esterna
Attention: R72C704 is not usable with cremone bolt and couplings for external opening



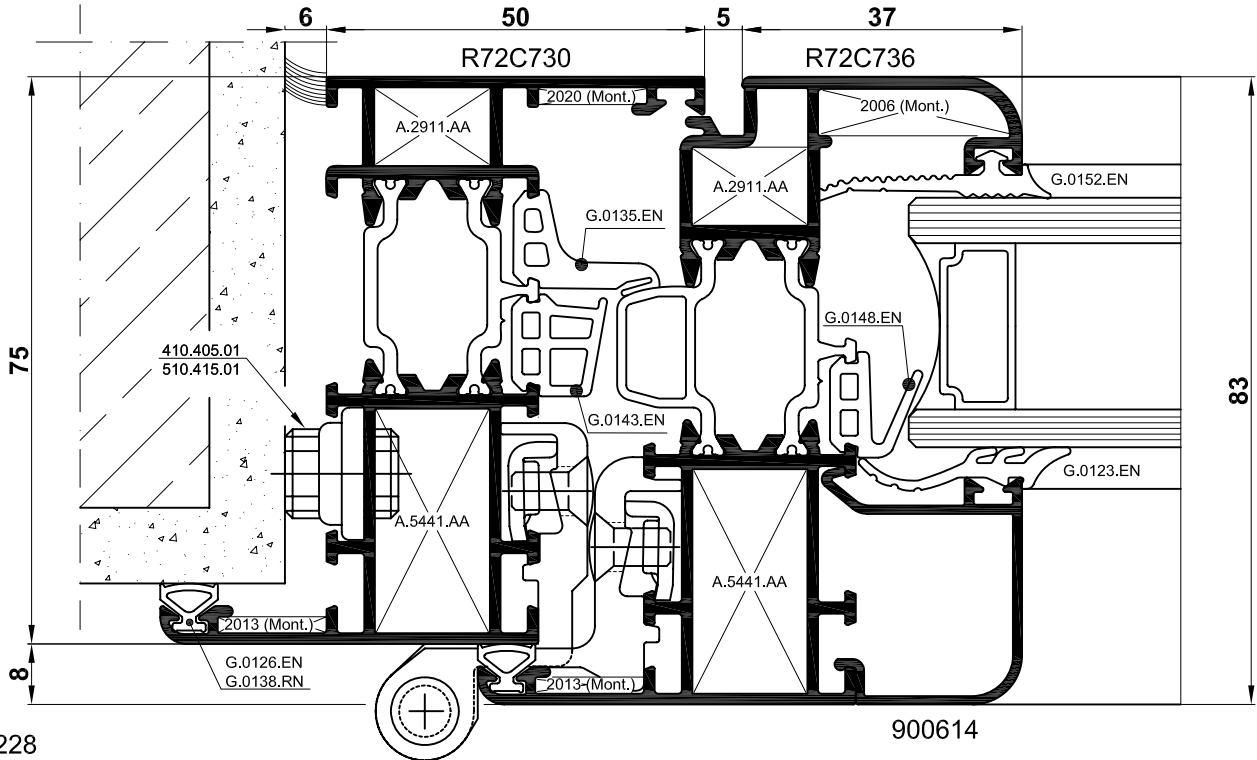
SEZ.7226

(*) 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

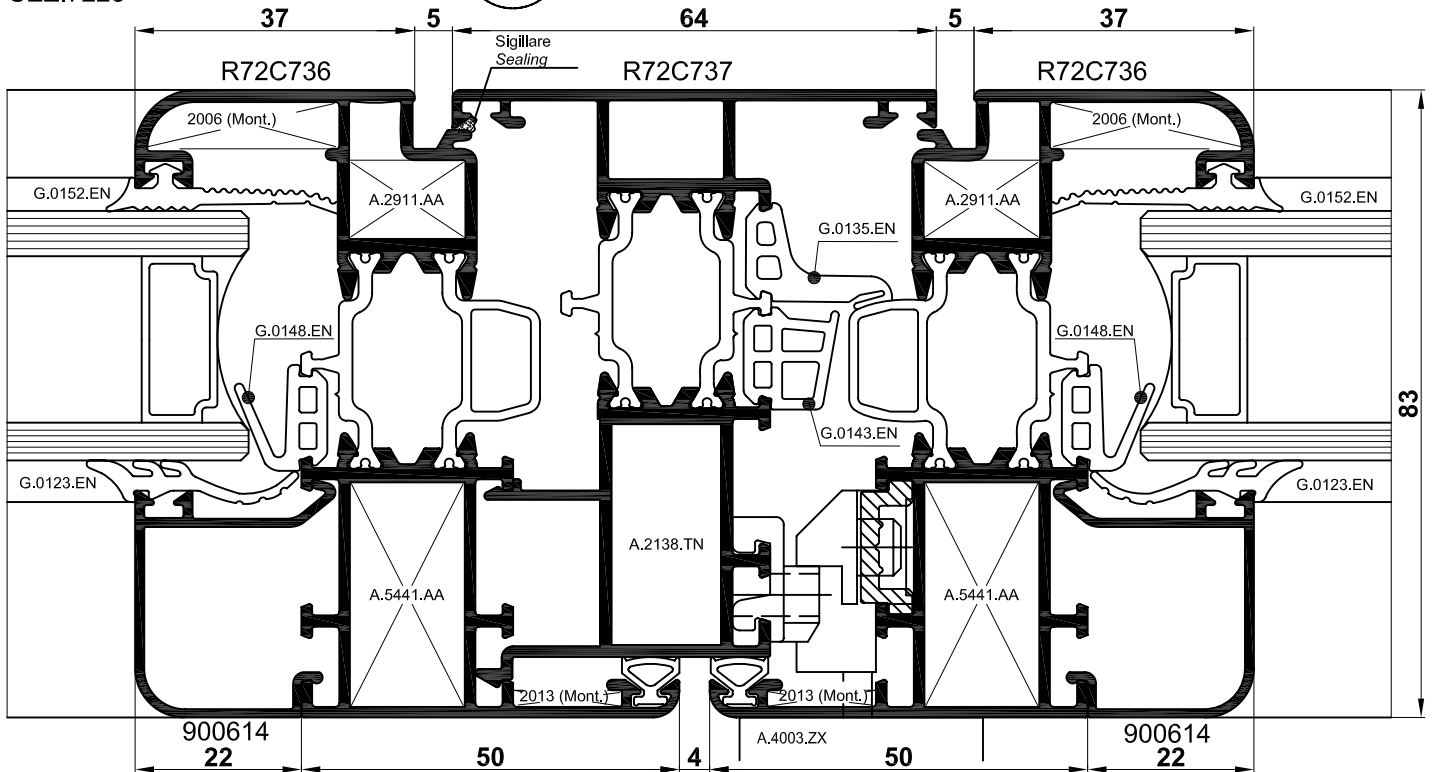


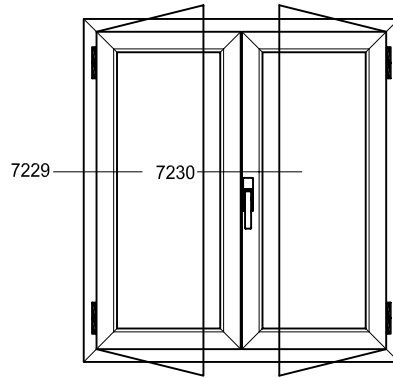


SEZ.7227

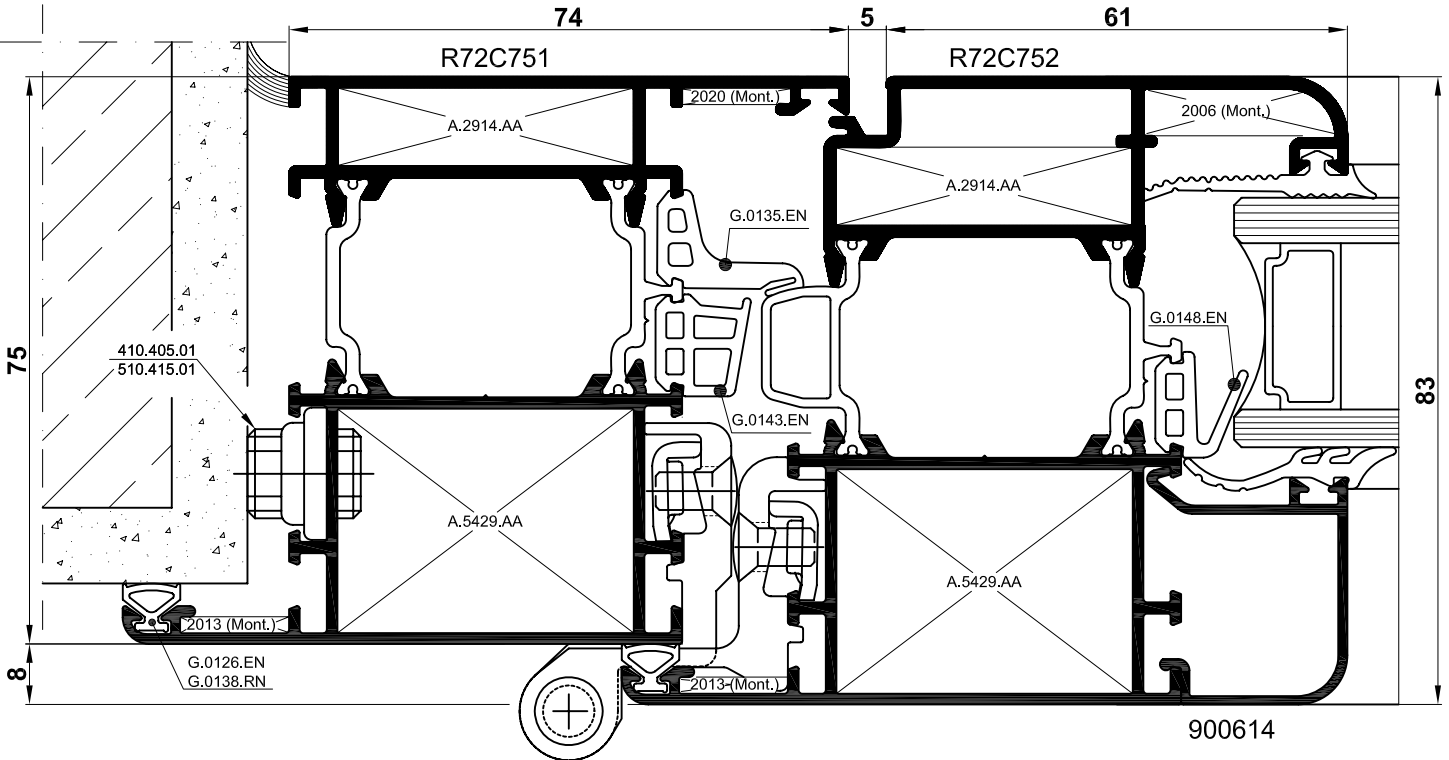


SEZ.7228

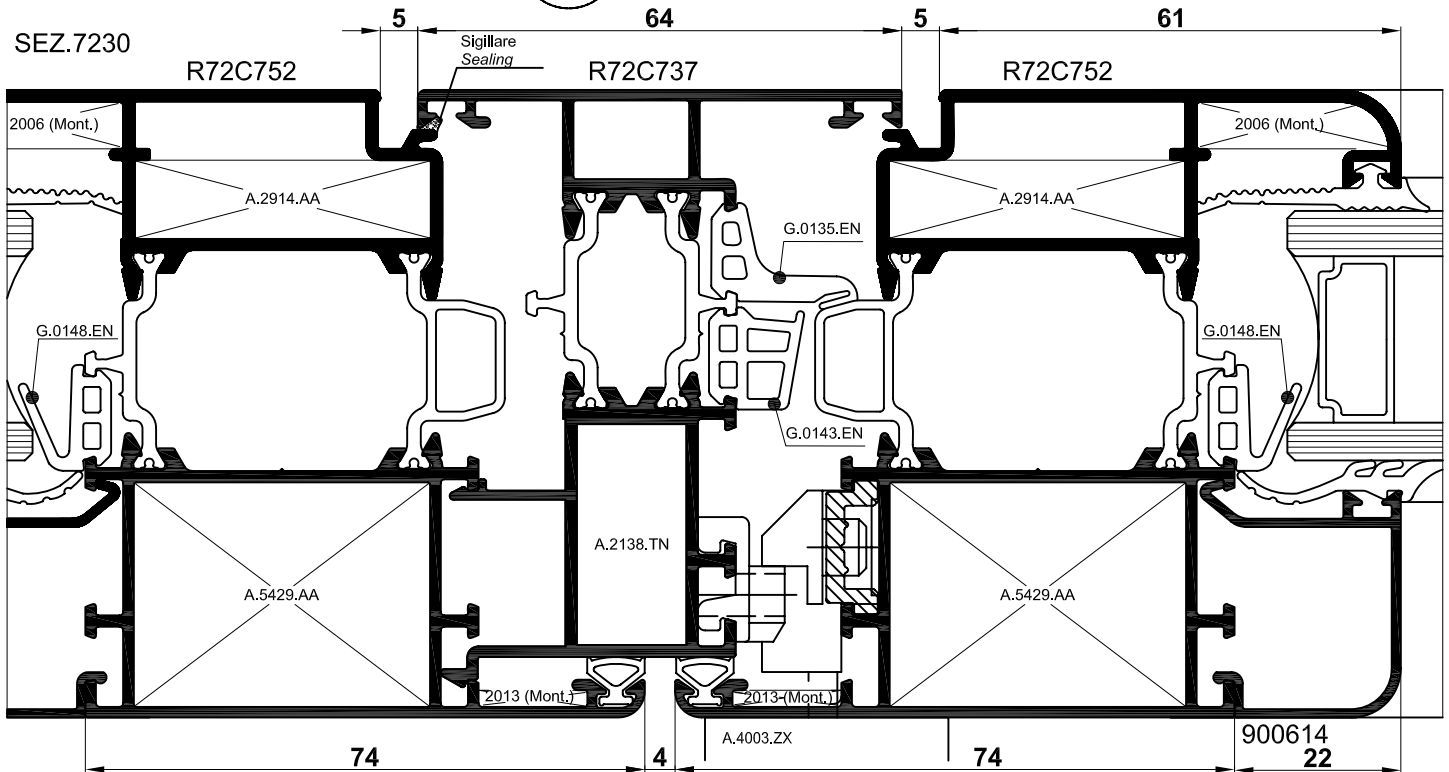




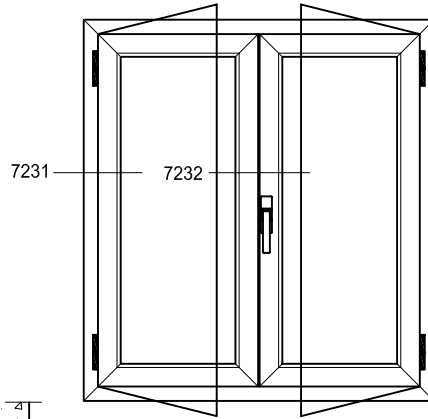
SEZ.7229



SEZ.7230

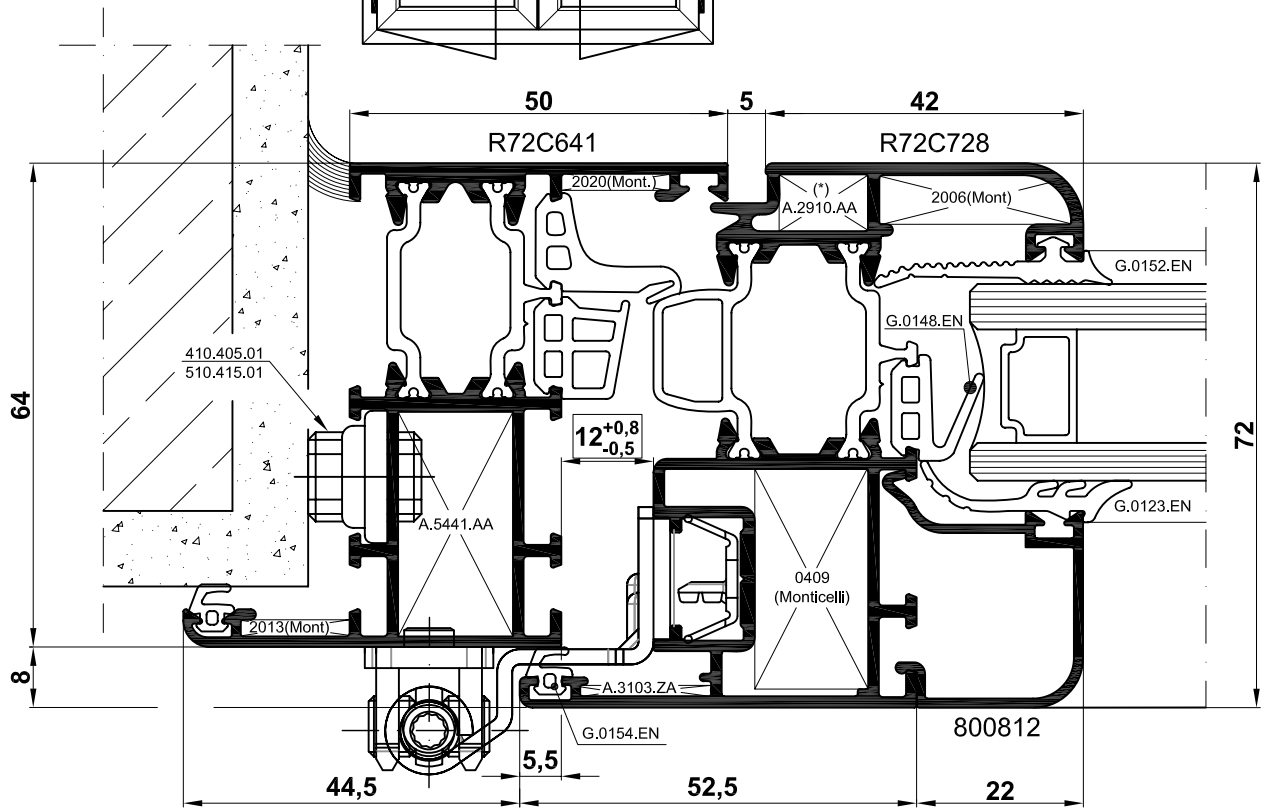


SEZIONI - FINESTRA A DUE ANTE "FERRAMENTA PERIMETRALE"
SECTIONS - TWO WINGS WINDOW "PERIMETRAL FITTING"

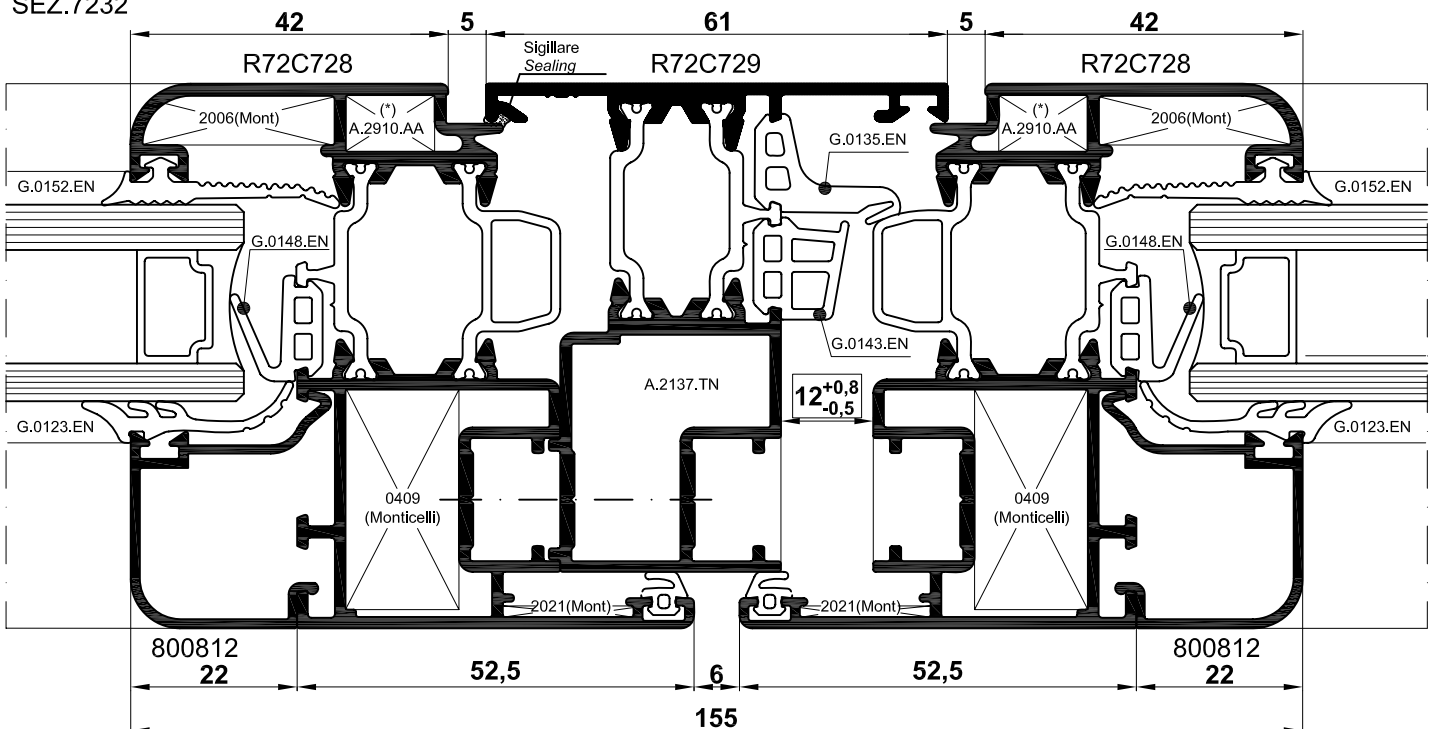


(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate/spinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.00
 In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked/pinned.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

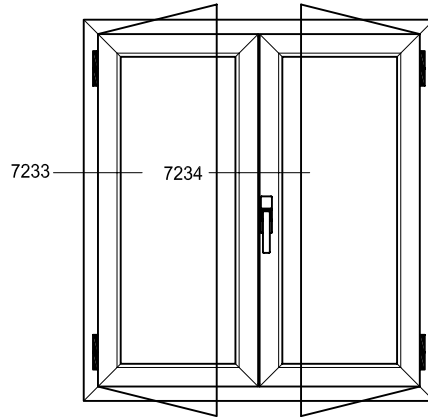
SEZ.7231



SEZ.7232

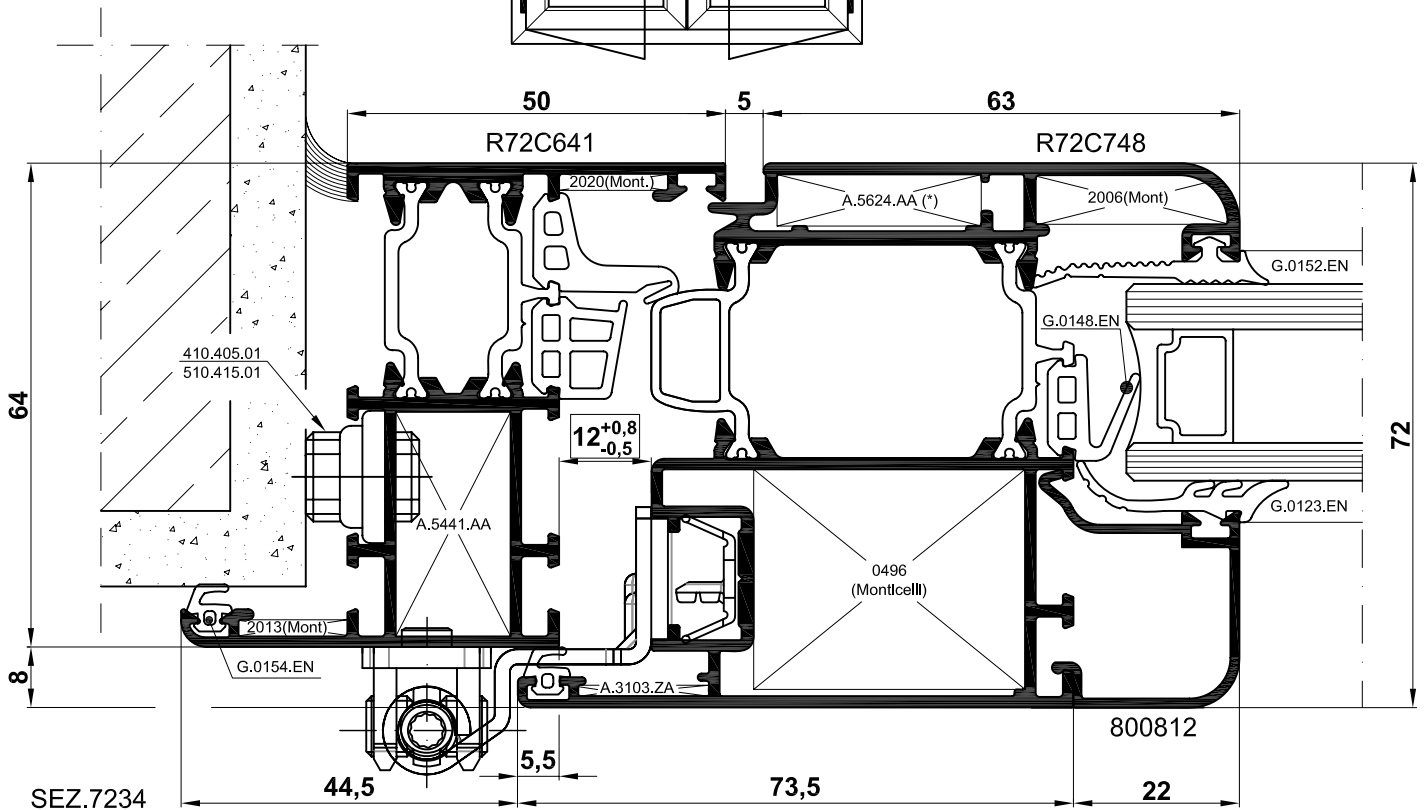


SEZIONI - FINESTRA A DUE ANTE "FERRAMENTA PERIMETRALE"
SECTIONS - TWO WINGS WINDOW "PERIMETRAL FITTING"

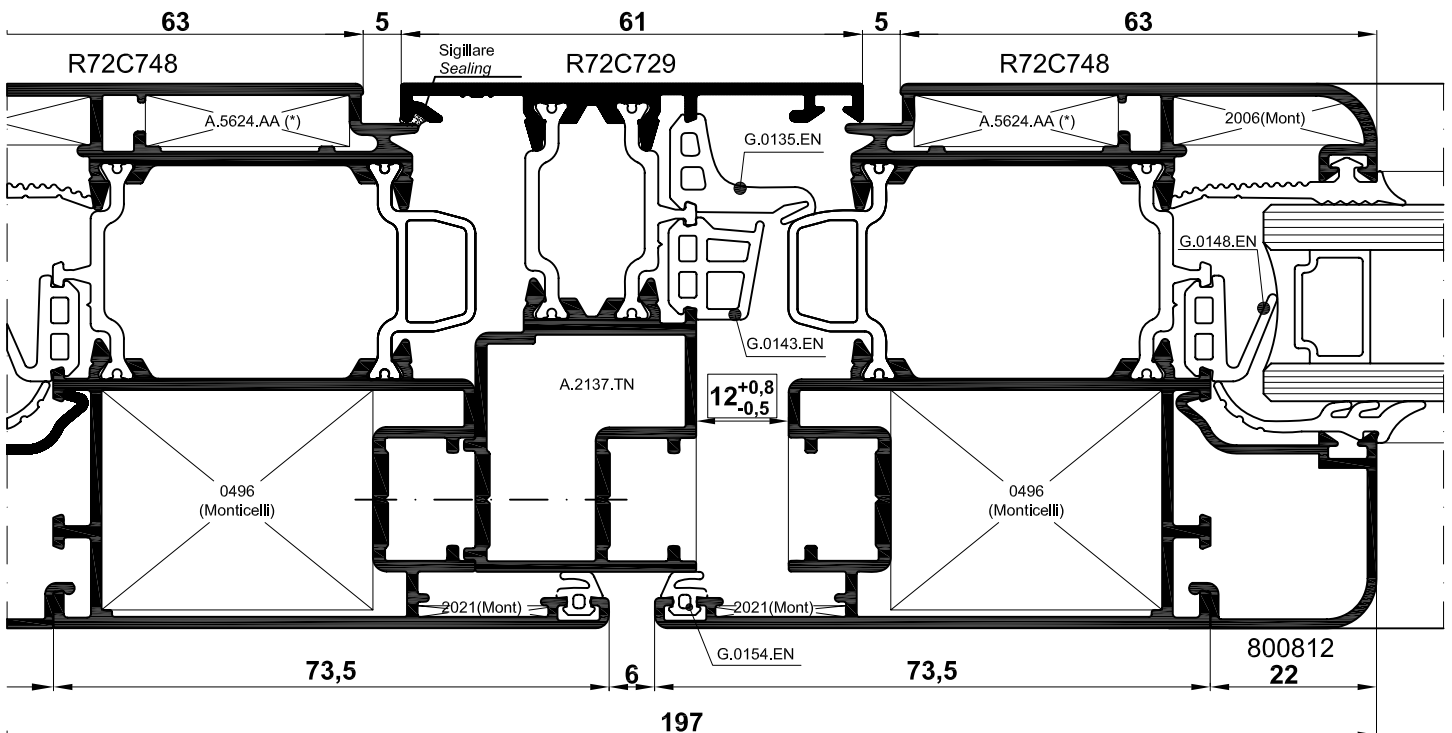


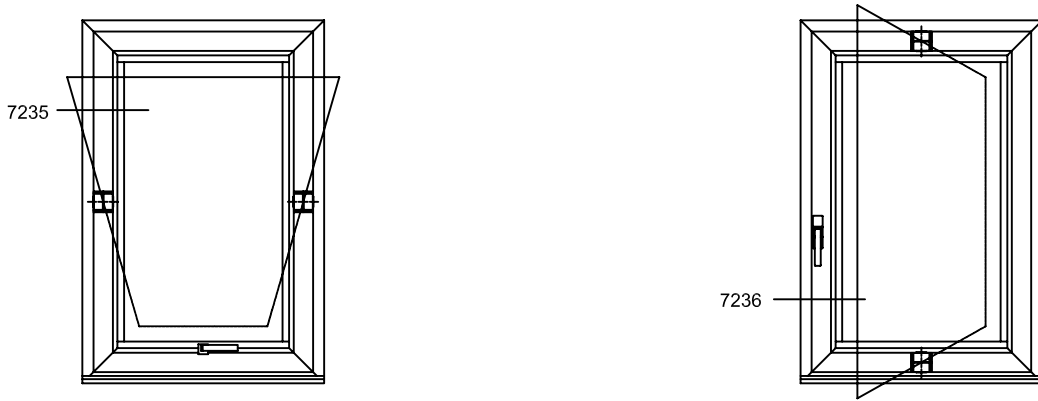
(*) Negli angoli a 45° le squadrette inserite nel tubolare esterno devono essere sempre incollate e cianfrinate/spinate. Cianfrinatura eseguibile anche con attrezzatura manuale Cod. M.2001.00
In the 45° corners, the corner joints in the external tubular section, must always be glued and caulked/pinned.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

SEZ.7233

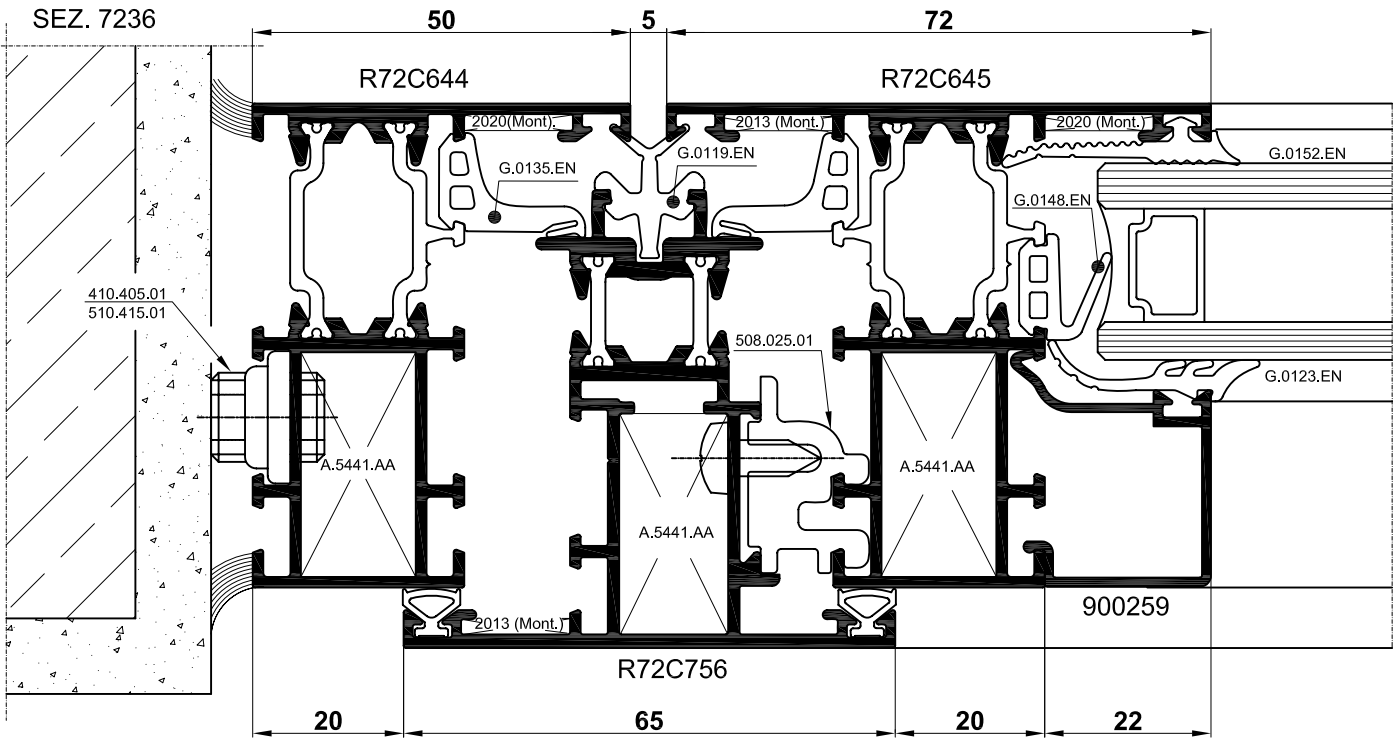


SEZ.7234

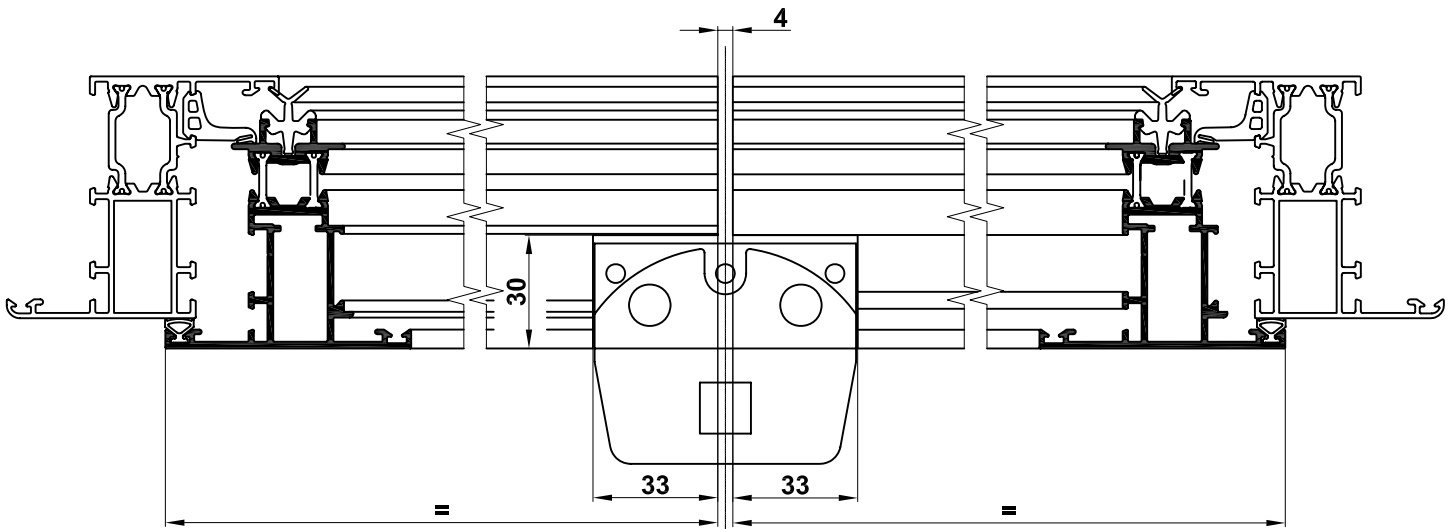


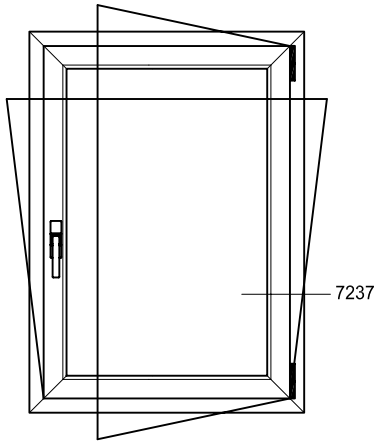


SEZ. 7235
 SEZ. 7236



SEZIONI - LAVORAZIONE PROFILATO R72C756
CROSS SECTIONS - TOOLING FOR SECTION R72C756





CAMPO DI APPLICAZIONE
APPLICATION RANGE

H	2800	50	50	40	30	28	24	22	20	18	16	14	14	13	13	12
	2700	50	50	40	30	28	24	22	20	18	16	14	14	13	13	13
	2600	50	50	40	35	30	26	22	20	18	16	16	14	14	13	13
	2500	50	50	40	35	30	26	24	22	20	18	16	14	14	13	13
	2400	50	50	45	35	30	28	24	22	20	18	16	16	14	14	13
	2300	50	50	45	35	30	28	26	24	22	20	18	16	16	14	14
	2200	50	50	50	40	35	30	26	24	22	20	18	18	16	14	14
	2100	50	50	50	40	35	30	28	26	24	22	20	18	16	16	14
	2000	50	50	50	45	35	30	30	28	24	22	20	18	18	16	16
	1900	50	50	50	45	40	35	30	28	26	24	22	20	18	18	16
	1800	50	50	50	50	40	35	30	30	28	26	22	22	20	18	18
1700	50	50	50	50	45	40	35	30	30	26	24	22	20	20	18	
1600	50	50	50	50	50	40	35	35	30	28	26	24	22	20	20	
1500	50	50	50	50	50	45	40	35	30	30	28	26	24	22	20	
1400	50	50	50	50	50	45	40	40	35	30	30	28	26	24	●	
1300	50	50	50	50	50	50	45	40	35	35	30	30	26	●	●	
1200	50	50	50	50	50	50	50	45	40	35	35	30	●	●	●	
1100	50	50	50	50	50	50	50	50	45	40	35	●	●	●	●	
1000	50	50	50	50	50	50	50	50	50	40	●	●	●	●	●	
900	50	50	50	50	50	50	50	50	50	●	●	●	●	●	●	
800	50	50	50	50	50	50	50	50	●	●	●	●	●	●	●	
700	50	50	50	50	50	50	50	●	●	●	●	●	●	●	●	
600	50	50	50	50	50	50	●	●	●	●	●	●	●	●	●	
	350	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	
	L															

(*) 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

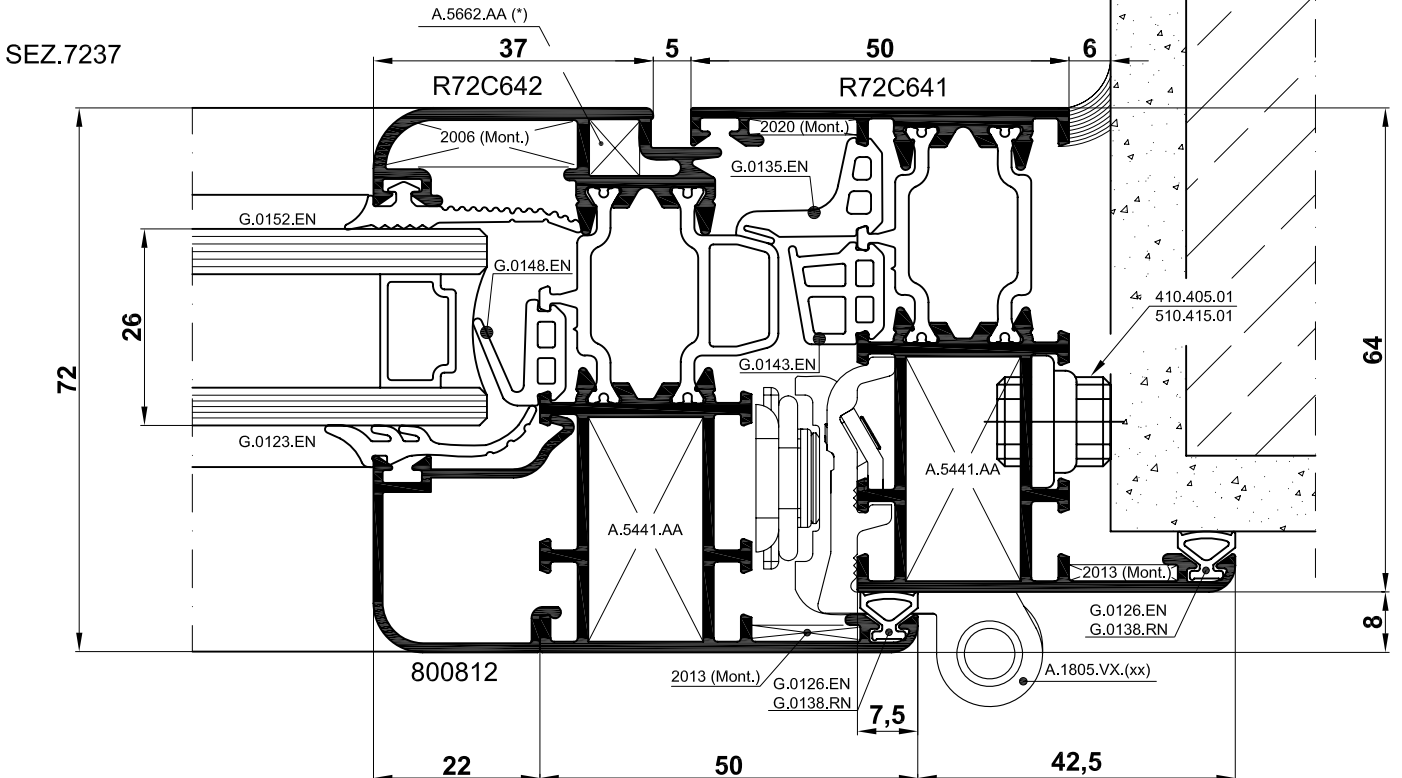
PER MAGGIORI CHIARIMENTI
CONSULTARE SP.918.01
FOR MORE DETAILS
CONSULT SP.918.01

H = Altezza anta mobile
H = Height of the moving leaf
L = Larghezza anta mobile
L = Width of the moving leaf

● Non eseguibile
Not feasible

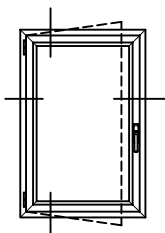
28 Max spessore vetro 28 mm
Max glass thickness 28 mm

N.B. Lo spessore vetro si riferisce al materiale senza camera d'aria
N.B. Glass thickness refers to material without air chamber



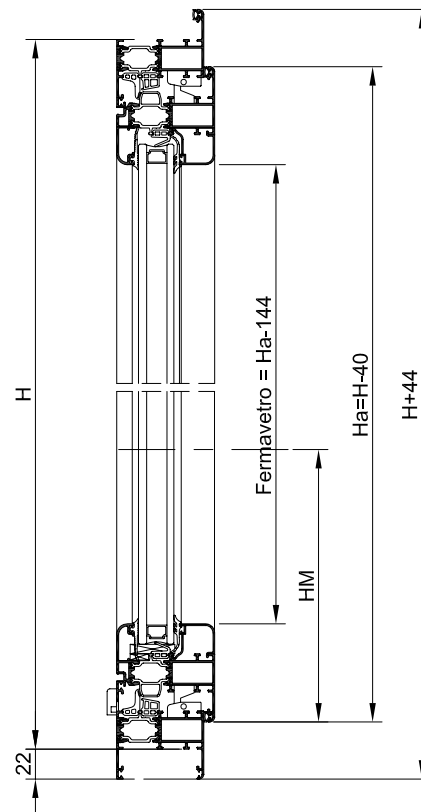
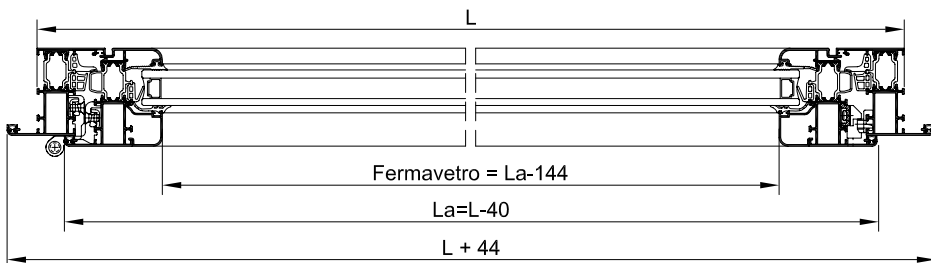
DISTINTE DI TAGLIO *CUT LIST*

FINESTRA 1 ANTA
ONE-WING WINDOW



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 + 44	1	 L + 44
			1	 L + 44
	2	 Ha= H - 40	2	 La= L - 40
	2	 Ha - 144	2	 La - 144
	1	(Inferiore/Lower) Hm - 113	1	(Superiore/Upper) Ha - Hm - 113

DIMENSIONI VETRO
GLASS SIZE

N. 1 PEZZO	N.B.: Spessore vetro considerato 26 mm (6+15+5) Gioco perimetrale tra profilato e vetro 5 mm For glass with 26 mm thickness Space between glass and profile 5 mm
Ha - 110	
La - 110	

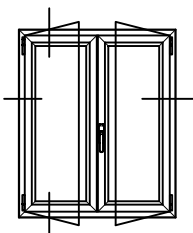
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
404.110.55	Innesti per cremonese su prof 900221(cp) Pair of coupling internal opening for 900221	1	A.5662.AA	Squadretta a cianfrinare su prof. est. anta External corner joint to be crimped	4	410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	5
404.145.05	Puntali in zama su prof. 900221 (cp) Pair of zamak terminals on profile 900221	1	401.002.XX	Cerniera sfilabile con controp. in acc. inox Slip-of hinge with stainless steel counterplate	2	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	5
2020(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	4	A.4003.ZX	Cremonese reversibile per ap. int. Reversible cremonese bolt for internal opening	1	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	5
2013(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	8	504.091.05	Riscontro registrabile per puntali 404.145.05 Adjustable striker for terminals 404.145.05	2	A.0228.EN	Angolo stampato per precamera Moulded corner for central weatherstrip	4
2006(Mont)	Squadretta Fuji all.mento aletta prof. compl. Fuji alignment corner joint for coplanar profiles	4	A.2834.AA	Supporto vetro Glass support	2	502.002.XX	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	4
A.5441.AA	Squadretta per giunzione d'angolo Corner joint	8	509.261.55	Cappetta scarico acqua (paratempesta) Water drain cover	2			

GUARNIZIONI
WEATHERSTRIPS

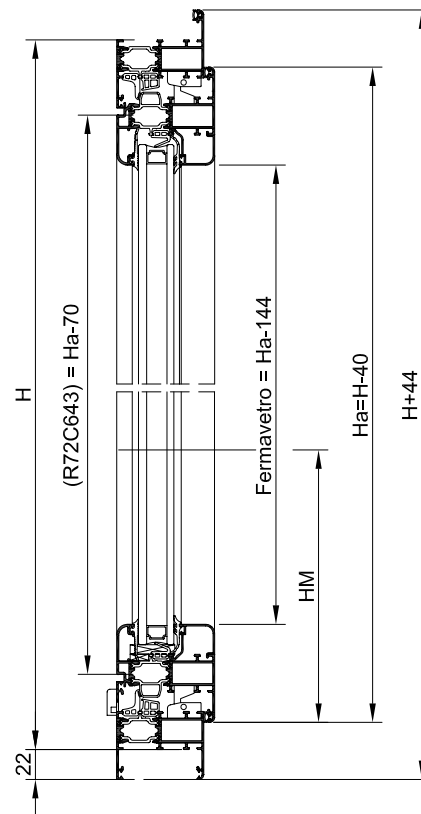
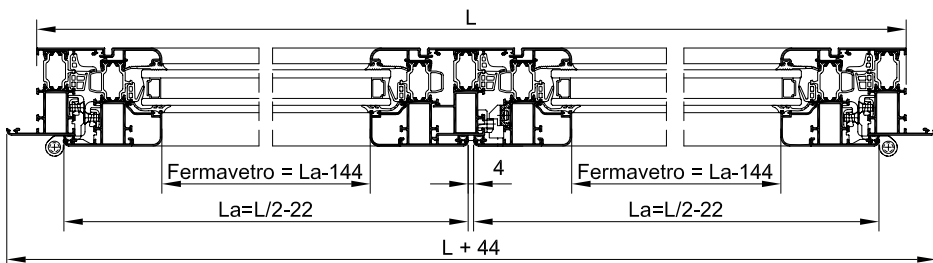
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0126.EN	Guarnizione di battuta Weatherstrip of rabbet	4H 3L	G.0152.EN	Guarnizione esterna appoggio vetri 3 mm Weatherstrip on glass support mm 3	2H 2L			
G.0123.EN	Guarnizione interna tenuta vetro 4-6 mm Weatherstrip on glazing bead shim mm 4-6	2H 2L	G.0135.EN	Guarnizione di precamera Central weatherstrip	2H 2L			
G.0143.EN	Guarnizione aggiuntiva di precamera Additional central Weatherstrip	2H 2L	G.0148.EN	Guarnizione sotto vetro Weatherstrip under glass	2H 2L			

FINESTRA 2 ANTE
TWO-WINGS WINDOW



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 + 44	1	 L + 44
			1	 L + 44
	4	 Ha = H - 40	4	 La = L/2 - 22
	4	 Ha - 144	4	 La - 144
	1	 Ha - 70		
	1	 (Inferiore/Lower) Hm - 113	1	 (Superiore/Upper) Ha - Hm - 113

DIMENSIONI VETRO
GLASS SIZE

N. 2 PEZZI		N.B.: Spessore vetro considerato 26 mm (6+15+5) Gioco perimetrale tra profilato e vetro 5 mm For glass with 26 mm thickness Space between glass and profile 5 mm
Ha - 110		
La - 110		

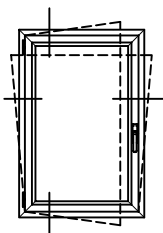
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
404.110.55	Innesti per cremonese su prof 900221(cp) Pair of coupling internal opening for 900221	1	401.002.XX	Cerniera sfilabile con controp.ra in acc. inox Slip-of hinge with stainless steel counterplate	4	410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	5
404.145.05	Puntali in zama su prof. 900221 (cp) Pair of zamak terminals on profile 900221	2	A.4003.ZX	Cremonese reversibile per ap. int. Reversible cremone bolt for internal opening	1	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	5
2020(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	4	504.091.05	Riscontro registrabile per puntali 404.145.05 Adjustable striker for terminals 404.145.05	2	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	5
2013(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	12	A.2834.AA	Supporto vetro Glass support	4	A.0228.EN	Angolo stampato per precamera Moulded corner for central weatherstrip	4
2006(Mont)	Squadretta Fuji all.mento aletta prof. compl. Fuji alignment corner joint for coplanar profiles	8	A.2127.TN	Coppia tappi per riporto centrale R72C643 Pair of plugs for central rabbet on profile R72C643	1	502.002.XX	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	8
A.5441.AA	Squadretta per giunzione d'angolo Corner joint	12	403.806.05	Manovra catenaccio per puntali 404.145.55 Lever deadlatch for terminals 404.145.55	2			
A.5662.AA	Squadretta a cianfrinare su prof. est. anta External corner joint to be crimped	8	509.261.55	Cappetta scarico acqua (paratempsta) Water drain cover	2			

GUARNIZIONI
WEATHERSTRIPS

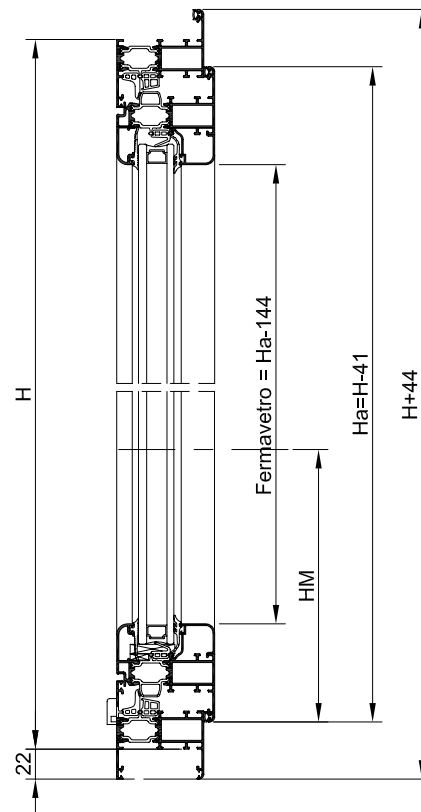
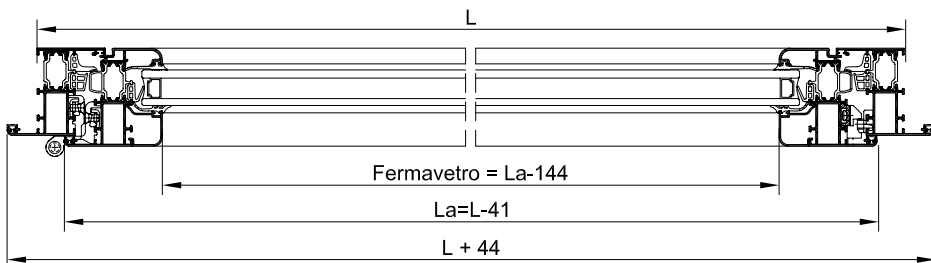
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0126.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 3L	G.0152.EN	Guarnizione esterna appoggio vetri 3 mm Weatherstrip on glass support mm 3	4H 2L			
G.0123.EN	Guarnizione interna tenuta vetro 4-6 mm Weatherstrip on glazing bead shim mm 4-6	4H 2L	G.0135.EN	Guarnizione di precamera Central weatherstrip	3H 2L			
G.0143.EN	Guarnizione aggiuntiva di precamera Additional central Weatherstrip	3H 2L	G.0148.EN	Guarnizione sotto vetro Weatherstrip under glass	4H 2L			

FINESTRA 1 ANTA A RIBALTA
TILT AND TURN WINDOW



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		1	
			1	
	2		2	
	2		2	
	1	Verticale inferiore Lower Vertical 	1	Verticale Superiore Upper Vertical
			1	Orizzontale Superiore Upper Horizontal

DIMENSIONI VETRO
GLASS SIZE

N. 1 PEZZO		N.B.: Spessore vetro considerato 26 mm (6+15+5) Gioco perimetrale tra profilato e vetro 5 mm For glass with 26 mm thickness Space between glass and profile 5 mm
Ha - 110		
La - 110		

(*) = Valido per ante con La da 550 a 1200 mm ed Ha fino a 2800 mm. Per altre dimensioni ed ulteriori informazioni Vi preghiamo di consultare lo schema di montaggio contenuto nella confezione AR.

This for wings with Lx from 550 to 1200 mm and H up to 2800 mm. For other dimensions and further information please see processing scheme inside AR box

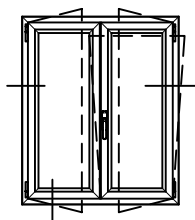
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.1805.VX	Gruppo completo anta ribalta Tilt-and-turn kit	1	A.2834.AA	Supporto vetro Glass support	2	502.002.XX	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	4
2020(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	4	509.261.55	Cappetta scarico acqua (paratempsta) Water drain cover	2			
2013(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	8	410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	5			
2006(Mont.)	Squadretta Fuji allineamento aletta prof. compl. Fuji alignment corner joint for coplanar profiles	4	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	5			
A.5441.AA	Squadretta per giunzione d'angolo Corner joint	8	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	5			
A.5662.AA	Squadretta a cianfrinare su prof. est. anta External corner joint to be crimped	4	A.0228.EN	Angolo stampato per precamera Moulded corner for central weatherstrip	4			

GUARNIZIONI
WEATHERSTRIPS

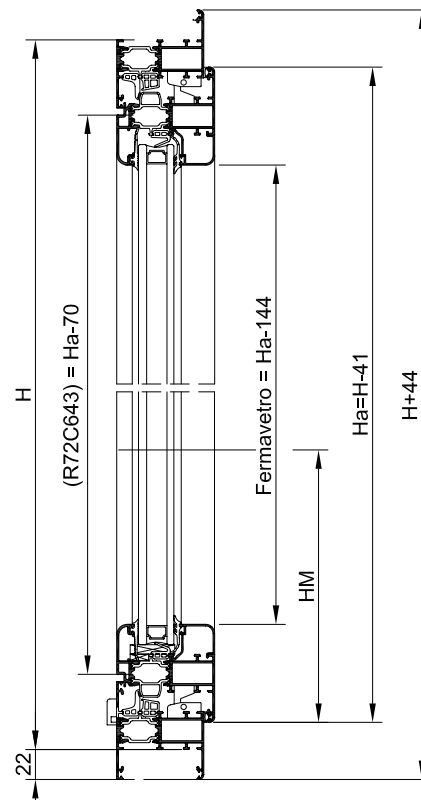
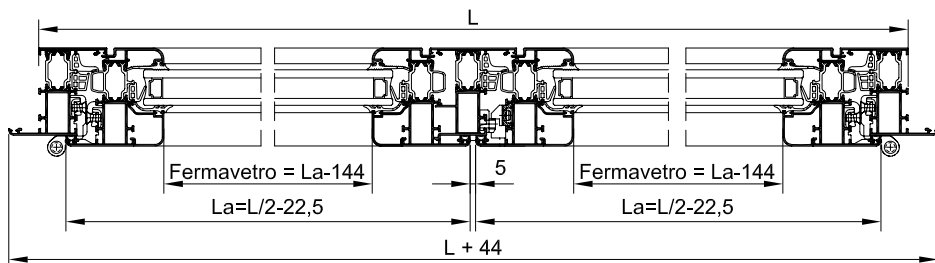
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0126.EN	Guarnizione di battuta Weatherstrip of rabbet	4H 3L	G.0152.EN	Guarnizione esterna appoggio vetri 3 mm Weatherstrip on glass support mm 3	2H 2L			
G.0123.EN	Guarnizione interna tenuta vetro 4-6 mm Weatherstrip on glazing bead shim mm 4-6	2H 2L	G.0135.EN	Guarnizione di precamera Central weatherstrip	2H 2L			
G.0143.EN	Guarnizione aggiuntiva di precamera Additional central Weatherstrip	2H 2L	G.0148.EN	Guarnizione sotto vetro Weatherstrip under glass	2H 2L			

FINESTRA 2 ANTE
CON ANTA RIBALTA
WING WINDOW - OVERLAP
AND TILT-AND-TURN



N.B.: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
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N.B.: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values.
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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 + 44	1	 L + 44
			1	 L + 44
	4	 Ha = H - 41	4	 La = L/2 - 22,5
	4	 Ha - 144	4	 La - 144
	1	 Ha - 70		
	1	Verticale inferiore Lower Vertical Hm - 250 (*)	1	Verticale Superiore Upper Vertical Ha - Hm - 243 (*)
			1	Orizzontale Superiore Upper Orizzontale La - 515 (*)

DIMENSIONI VETRO
GLASS SIZE

N. 1 PEZZO		N.B.: Spessore vetro considerato 26 mm (6+15+5) Gioco perimetrale tra profilato e vetro 5 mm For glass with 26 mm thickness Space between glass and profile 5 mm
Ha - 110		
La - 110		

(*) = Valdo per ante con La da 550 a 1200 mm ed Ha fino a 2800 mm. Per altre dimensioni ed ulteriori informazioni Vi preghiamo di consultare lo schema di montaggio contenuto nella confezione AR.
This for wings with L from 550 to 1200 mm and H up to 2800 mm. For other dimensions and further information please see processing scheme inside A/R box

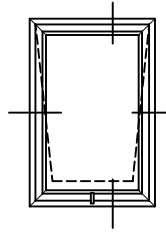
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.1805.VX	Gruppo completo anta ribalta Tilt-and-turn kit	1	A.5441.AA	Squadretta per giunzione d'angolo Corner joint	12	A.0228.EN	Angolo stampato per precamera Moulded corner for central weatherstrip	4
A.1810.VV	Paletti per anta semifissa A/R (cp) Straight latches for semifixed wing (pair)	1	A.2127.TN	Coppia tappi per riporto centrale R72C643 Pair of plugs for central rabbet on profile R72C643	1	502.002.XX	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	8
A.1809.VX	Kit cerniere anta affiancata A/R Kit hinges for semifixed wing	1	A.2834.AA	Supporto vetro Glass support	4			
2020(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	4	509.261.55	Cappetta scarico acqua (paratempesta) Water drain cover	2			
2013(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	12	410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	5			
2006(Mont.)	Squadretta Fuji all.mento aletta prof. compl. Fuji alignment corner joint for coplanar profiles	8	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	5			
A.5662.AA	Squadretta a cianfrinare su prof. est. anta External corner joint to be crimped	8	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	5			

GUARNIZIONI
WEATHERSTRIPS

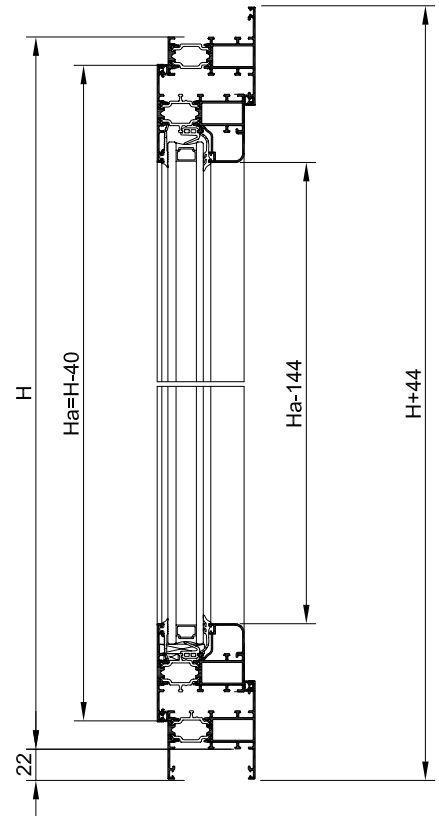
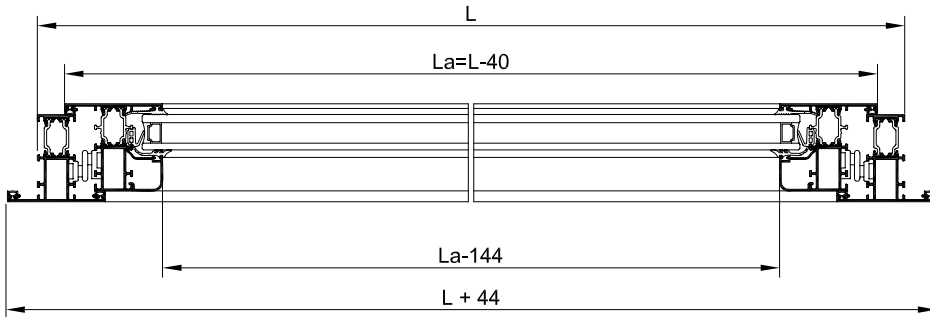
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0126.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 3L	G.0143.EN	Guarnizione aggiuntiva di precamera Additional central Weatherstrip	3H 2L	G.0135.EN	Guarnizione di precamera Central weatherstrip	3H 2L
G.0123.EN	Guarnizione interna tenuta vetro 4-6 mm Weatherstrip on glazing bead shim mm 4-6	4H 2L	G.0152.EN	Guarnizione esterna appoggio vetri 3 mm Weatherstrip on glass support mm 3	4H 2L	G.0148.EN	Guarnizione sotto vetro Weatherstrip under glass	4H 2L

FINESTRA SPORGERE
PROJECTING WINDOW



N.B: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
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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 + 44	1	 L + 44
			1	 L + 44
	2	 Ha = H - 40	2	 La = L - 40
	2	 Ha - 144	2	 La - 144

DIMENSIONI VETRO
GLASS SIZE

N. 1 PEZZO	N.B.: Spessore vetro considerato 26 mm (6+15+5) Gioco perimetrale tra profilato e vetro 5 mm For glass with 26 mm thickness Space between glass and profile 5 mm
Ha - 110	
La - 110	

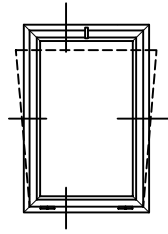
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
406.499.05	Gruppo articolazione sporgere con bracci Kit for stiffened projecting windows with arms	1	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	5			
503.963.xx	Maniglia a tavellino "linea 600" "600 flatcatch" handle for projecting windows	1	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	5			
2013(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	8	502.002.XX	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	4			
2020(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	8	A.2834.AA	Supporto vetro Glass support	2			
A.5441.AA	Squadretta per giunzione d'angolo Corner joint	8						
410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	5						

GUARNIZIONI
WEATHERSTRIPS

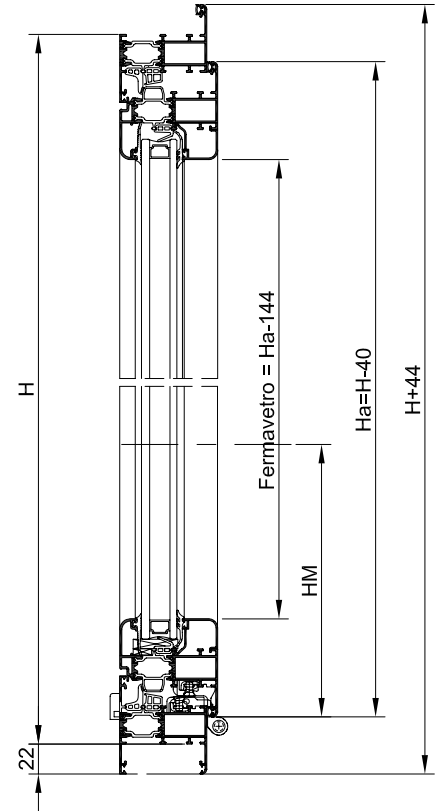
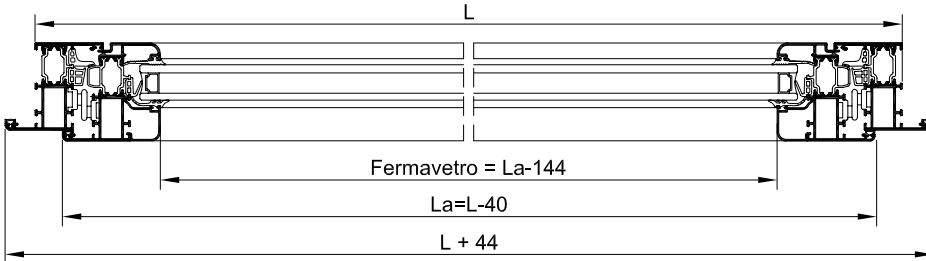
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0126.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 5L	G.0152.EN	Guarnizione esterna appoggio vetri 3 mm Weatherstrip on glass support mm 3	2H 2L			
G.0123.EN	Guarnizione interna tenuta vetro 4-6 mm Weatherstrip on glazing bead shim mm 4-6	2H 2L	G.0148.EN	Guarnizione sotto vetro Weatherstrip under glass	4H 2L			

FINESTRA VASISTAS
OVERLAP HOPPER WINDOW



N.B: - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
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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		1	
			1	
	2		2	
			2	

DIMENSIONI VETRO
GLASS SIZE

N. 1 PEZZO	N.B.: Spessore vetro considerato 26 mm (6+15+5) Gioco perimetrale tra profilato e vetro 5 mm For glass with 26 mm thickness Space between glass and profile 5 mm
Ha - 110	
La - 110	

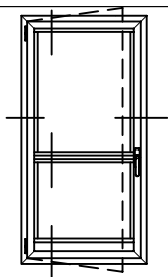
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
A.3906.IA	coppia bracci per vasistas Pair of coupling arm for vasistas	1	A.5441.AA	Squadretta per giunzione d'angolo Corner joint	8	A.0228.EN	Angolo stampato per precamera Moulded corner for central weatherstrip	4
401.002.xx	Cerniera sfilabile con controp.in acc. inox Slip-of hinge with stainless steel counterplate	2	A.2834.AA	Supporto vetro Glass support	2	502.002.XX	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	4
503.642.xx	Chiusura a cricchetto Spring latch locking	1	509.261.55	Cappetta scarico acqua (paratempesta) Water drain cover	2			
2020(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	4	410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	5			
2013(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	8	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	5			
2006(Mont)	Squadretta Fuji all.mento aletta prof. compl. Fuji alignment corner joint for coplanar profiles.	4	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	5			

GUARNIZIONI
WEATHERSTRIPS

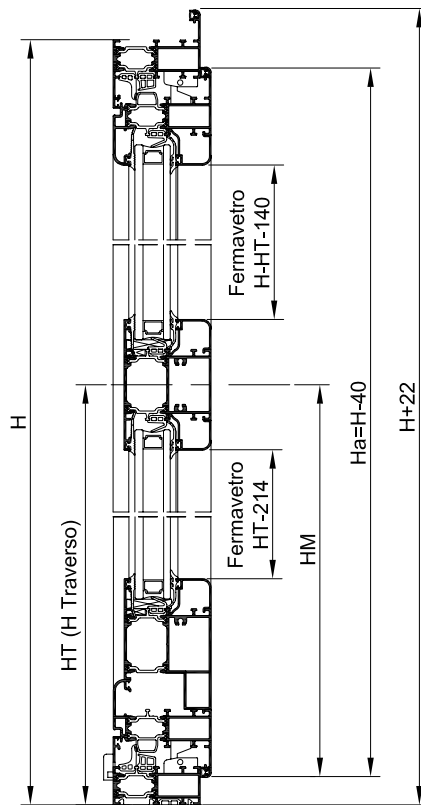
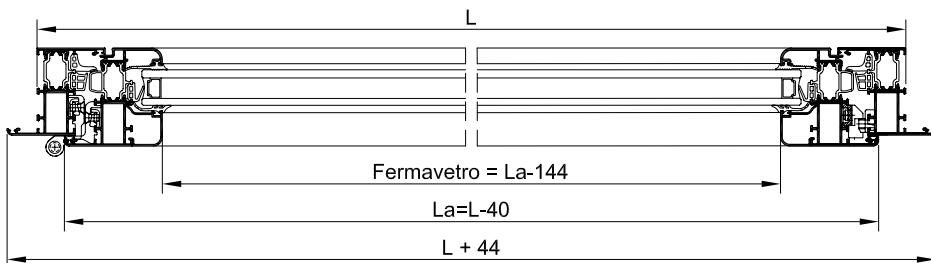
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0126.EN	Guarnizione di battuta Weatherstrip of rabbet	4H 3L	G.0152.EN	Guarnizione esterna appoggio vetri 3 mm Weatherstrip on glass support mm 3	2H 2L			
G.0123.EN	Guarnizione interna tenuta vetro 4-6 mm Weatherstrip on glazing bead shim mm 4-6	2H 2L	G.0135.EN	Guarnizione di precamera Central weatherstrip	2H 2L			
G.0143.EN	Guarnizione aggluntiva di precamera Additional central Weatherstrip	2H 2L	G.0148.EN	Guarnizione sotto vetro Weatherstrip under glass	2H 2L			

PORTA
BALCONE 1 ANTA
ONE-WING
BALCONY DOOR



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PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	1		1	
	1		1	
	1		1	
	2		2	
	1		1	
	1		1	
	2		2	
	4		4	
	1		1	

DIMENSIONE VETRO
GLASS SIZE

N. 1 PEZZO	N.B.: Spessore vetro considerato 26 mm (6+15+5) Gioco perimetrale tra profilato e vetro 5 mm For glass with 26 mm thickness Space between glass and profile 5 mm
HT - 180	
La - 110	
N. 1 PEZZO	
H - HT - 106	
La - 110	

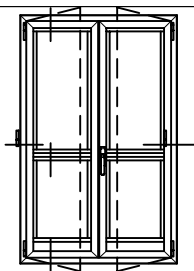
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
404.110.55	Innesti per cremonese su prof. 900221 (cp) Pair of coupling internal opening for 900221	1	A.5662.AA	Squadretta a cianfrinare su prof. est. anta External corner joint to be crimped	4	509.261.55	Cappetta scarico acqua (paratempsta) Water drain cover	2
404.145.05	Puntali in zama su prof. 900221 (cp) Pair of zamak terminals on profile 900221	1	401.002.XX	Cerniera sfilabile con controp. in acc. inox Slip-of hinge with stainless steel counterplate	3	410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	8
2020(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	4	505.267.01	Giunto a "T" in alluminio estruso Extruded aluminium T-joint	2	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8
2013(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	6	A.4003.ZX	Cremonese reversibile per ap. int. Reversible cremone bolt for internal opening	1	510.491.55	Tappo rotondo copiforo diametro 12 mm Circular coverhole plug dia. mm 12	8
2006(Mont.)	Squadretta Fuji allineamento aletta prof. compl. Fuji alignment corner joint for coplanar profiles	4	504.091.05	Riscontro registrabile per puntali 404.145.05 Adjustable striker for terminals 404.145.05	2	A.0228.EN	Angolo stampato per precamera Moulded corner for central weatherstrip	4
A.5441.AA	Squadretta per giunzione d'angolo Corner joint	8	A.2834.AA	Supporto vetro Glass support	4	502.002.XX	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	8
						A.3204.ZA	Cavallotto di giunzione tela-traversi T-joint for frames and transoms	6

GUARNIZIONI
WEATHERSTRIPS

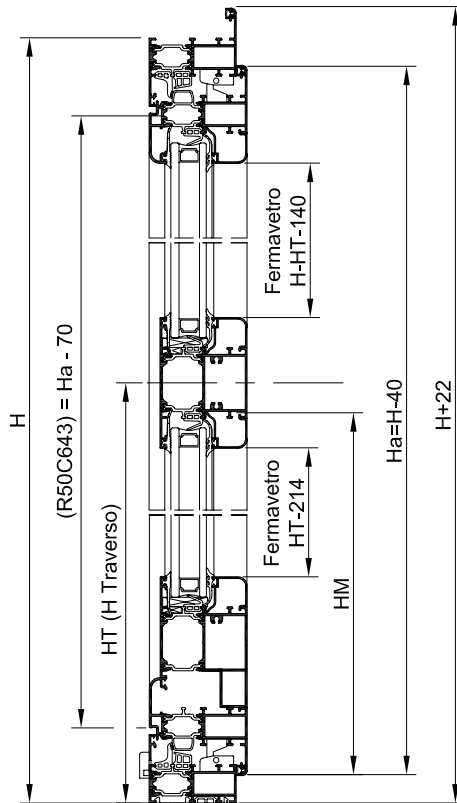
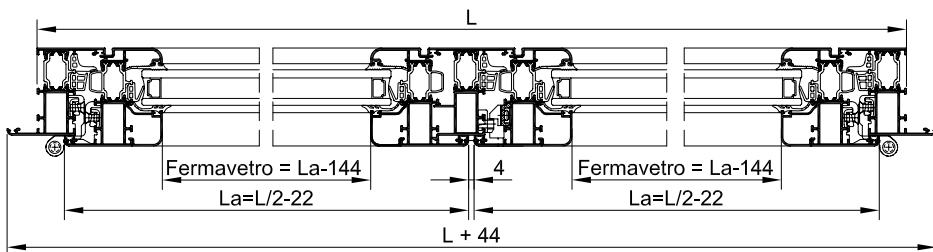
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0126.EN	Guarnizione di battuta Weatherstrip of rabbet	4H 3L	G.0135.EN	Guarnizione di precamera Central weatherstrip	2H 2L	G.0168.EN	Guarnizione isolamento termico telaio-muro Weatherstrip thermal insulation frame-wall	1L
G.0123.EN	Guarnizione interna tenuta vetro 4-6 mm Weatherstrip on glazing bead shim mm 4-6	2H 4L	G.0143.EN	Guarnizione aggiuntiva di precamera Additional central Weatherstrip	3H 2L			
G.0152.EN	Guarnizione esterna appoggio vetri 3 mm Weatherstrip on glass support mm 3	2H 4L	G.0148.EN	Guarnizione sotto vetro Weatherstrip under glass	4H 2L			

PORTA
BALCONE 2 ANTE
TWO-WINGS
BALCONY DOOR



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N.B: - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values.
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PROFILATI
SECTIONS

Profilato tipo Type Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	1	H + 44	1	L + 44
	1	H + 44	1	L + 44
			1	L
	4	Ha = H - 40	4	La = L/2 - 22
			2	La - 91
			2	La - 91
	1	Ha - 70		
	4	H-HT-140	4	HT-214
			8	La-144
	1	(Inferiore/Lower) Hm - 113	1	(Superiore/Upper) Ha - Hm - 113

DIMENSIONE VETRO
GLASS SIZE

N. 2 PEZZI	N.B.: Spessore vetro considerato 26 mm (6+15+5)
HT - 180	Gioco perimetrale tra profilato e vetro 5 mm
La - 110	For glass with 26 mm thickness
N. 2 PEZZI	Space between glass and profile 5 mm
H - HT - 106	
La - 110	

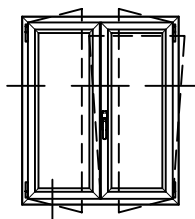
ACCESSORI ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
404.110.55	Innesti per cremonese su prof 900221(cp) Pair of coupling internal opening for 900221	1	2020(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	4	A.2127.TN	Coppia tappi per riporto centrale R72C643 Pair of plugs for central rabbet on profile R72C643	1
404.145.05	Puntali in zama su prof. 900221 (cp) Pair of zamak terminals on profile 900221	2	2013(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin.	10	403.805.05	Manovra catenaccio per puntali 404.145.55 Lever deadlatch for terminals 404.145.55	2
A.0228.LN	Angolo stampato per precamera Moulded corner for central weatherstrip	4	2006(Mont)	Squadretta Fuji all.mento aletta prof. compl. Fuji alignment corner joint for coplanar profiles	8	509.261.55	Cappetta scarico acqua (paratempesta) Water drain cover of nylon	2
502.002.XX	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	16	505.267.01	Giunto a "T" in alluminio estruso Extruded aluminium T joint	4	410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	8
A.5441.AA	Squadretta per giunzione d'angolo Corner joint	12	401.002.XX	Cerniera sfilabile con controp. in acc. inox Slip-of hinge with stainless steel counterplate	6	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	8
A.5662.AA	Squadretta a cianfrinare su prof. est. anta External corner joint to be crimped	8	A.4003.ZX	Cremonese reversibile per ap. int. Reversible cremonese bolt for internal opening	1	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	8
			504.091.05	Riscontro registrabile per puntali 404.145.05 Adjustable striker for terminals 404.145.05	2	A.2834.AA	Supporto vetro Glass support	8
						A.3204.ZA	Cavallotto di giunzione telai-traversi Tjoint for frames and transoms	12

GUARNIZIONI
WEATHERSTRIPS

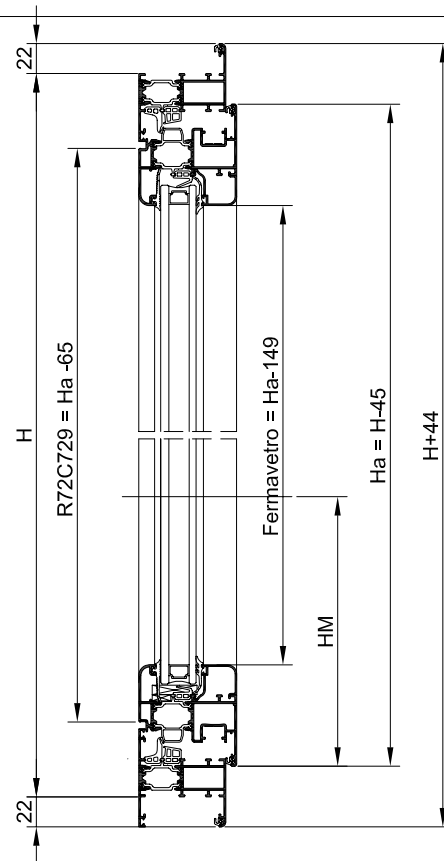
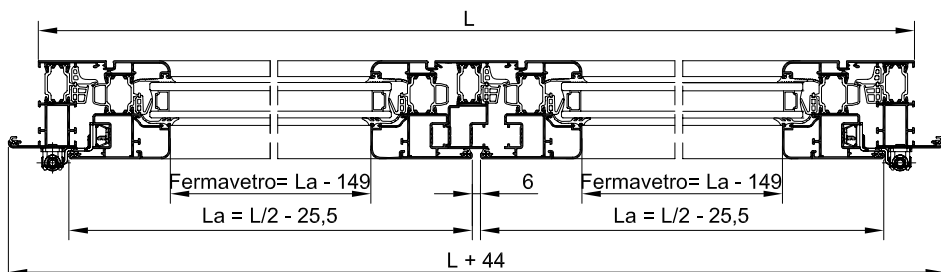
Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0126.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 3L	G.0152.EN	Guarnizione esterna appoggio vetri 3 mm Weatherstrip on glass support mm 3	4H 4L	G.0143.EN	Guarnizione aggiuntiva di precamera Additional central Weatherstrip	3H 2L
G.0123.EN	Guarnizione interna tenuta vetro 4-6 mm Weatherstrip on glazing bead shim mm 4-6	4H 4L	G.0135.EN	Guarnizione di precamera Central weatherstrip	3H 2L	G.0148.EN	Guarnizione sotto vetro Weatherstrip under glass	4H 4L
						G.0168.EN	Guarnizione isolamento termico telaio-muro Weatherstrip thermal insulation frame-wall	1L

FINESTRA 2 ANTE
CON ANTA RIBALTA
WING WINDOW - OVERLAP
AND TILT-AND-TURN



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 Section	N° Pz.	Taglio Cut	N° Pz.	Taglio Cut
	2	H + 44	1	L + 44
			1	L + 44
	4	Ha = H - 45	4	La = L/2 - 25,5
	1	Ha - 65		
	4	Ha - 149	4	La - 149

DIMENSIONE VETRI
GLASSES SIZE

N. 2 PEZZI	N.B.: Spessore vetro considerato 30 mm (6+15+4/4)
Ha - 115	Gioco perimetrale tra profilato e vetro 5 mm
La - 115	For glass with 30 mm thickness Space between glass and profile 5 mm

(*) Accessori da stabilire in funzione delle dimensioni dell'anta. Consultare catalogo Malco.
(* Accessories to be established according to wing-dimension, please see catalogue Malco)

Attenzione: in corrispondenza dei cardini inferiori utilizzare squadretta A.3103.ZA invece della 2021 (Mont.)
Attention: in correspondence of the bottom hinges use corner joint A.3103.ZA instead of 2021 (Mont.)

ACCESSORI
ACCESSORIES

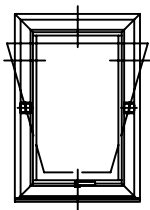


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.
A.5441.AA	Squadretta d'angolo Corner joint	4	462687	Kit ante con anta ribalta Multi-Matic Kit wings with tilt-and-turn Multi-Matic	1	A.2137.TN	Coppia tappi per riporto centrale R72C729 Pair of plugs for central rabbet on profile R72C729	1
0409 (Mont.)	Squadretta d'angolo Corner joint	8	201745 (*)	Cremonese Multi Matic Cremonese bolt Multi Matic	1	509.261.55	Cappetta scarico acqua (paratempsta) Water drain cover	2
2006 (Mont.)	Squadretta di allineamento prof. compl "FUJI" Alignment corner joint coplanar profiles "FUJI"	8	201751 (*)	Chiusura centrale Multi Matic Centre lock Multi Matic	1	410.405.01	Basetta per regolo mobile Plate for adjustable block	5
2013 (Mont.)	Squadretta di allineamento "FUJI" Alignment corner joint "FUJI"	4	206864 (*)	Frontale forbice Multi Matic Face plate scissor Multi Matic	1	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	5
2020 (Mont.)	Squadretta di allineamento "FUJI" Alignment corner joint "FUJI"	4	207123 (*)	Braccio forbice Multi Matic Hinged scissor Multi Matic	1	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	5
2021 (Mont.)	Squadretta di allineamento Int. "FUJI" Internal alignment corner joint "FUJI"	6	221911 (*)	Asta a leva Multi Matic Bar overlapping Multi Matic	1	502.002.XX	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	8
A.2910.AA	Squadretta a clancr. Splinare su prof. est. anta External corner joint to be crimped or pinned	8	59515	Maniglia rhapsody titanio Handle rhapsody Titanium	1	A.0228.EN	Angolo stampato per precamera Moulded corner for precamera	4
A.3103.ZA	Squadretta aletta anta "ferramenta perimetrale" Corner joint "to" perimeter fitting solution"	2	Per accessori e portate non indicate consultare il catalogo del costruttore. For accessories and loaded not indicated, please refer the construction catalogue			A.2834.AA	Supporto vetro Glass support	4

GUARNIZIONI
WEATHERSTRIPS

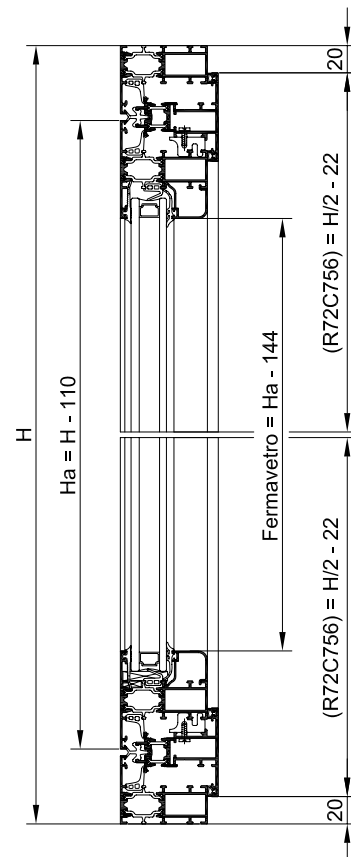
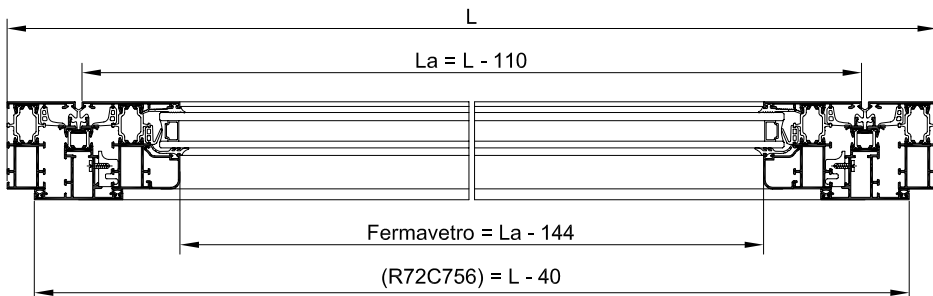
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.
G.0154.EN	Guarnizione di battuta Weatherstrip of rabbet	6H 3L	G.0152.EN	Guarnizione esterna vetri da 3 mm mm 5 glass support external weatherstrip	4H 2L	G.0143.EN	Guarnizione aggiuntiva di precamera Additional central weatherstrip	3H 2L
G.0135.EN	Guarnizione di precamera Central Weatherstrip	3H 2L	G.0149.EN	Guarnizione su fermavetro spessore 4 mm Weatherstrip on glazing bead shim mm 4	4H 2L	G.0148.EN	Guarnizione sotto vetro Weatherstrip under glass	4H 2L

BILICO ORIZZONTALE
HORIZONTAL PIVOTING WINDOW



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	2	L
	2	H/2 - 22	2	L - 40
	2	H/2 - 22		
	2	Ha = H - 110	2	La = L - 110
	2	Ha - 144	2	La - 144
	2	H	2	L

DIMENSIONI VETRO
GLASS SIZE

N. 1 PEZZO
N.B.: Spessore vetro considerato 26 mm (6+15+5)
Gioco perimetrale tra profilato e vetro 5 mm
For glass with 26 mm thickness
Space between glass and profile 5 mm

* Per lavorazioni, taglio astine e montaggio accessori, consultare la tavola specifica del costruttore
For machining, cutting rods and mounting accessories, refer to the manufacturer's specification table

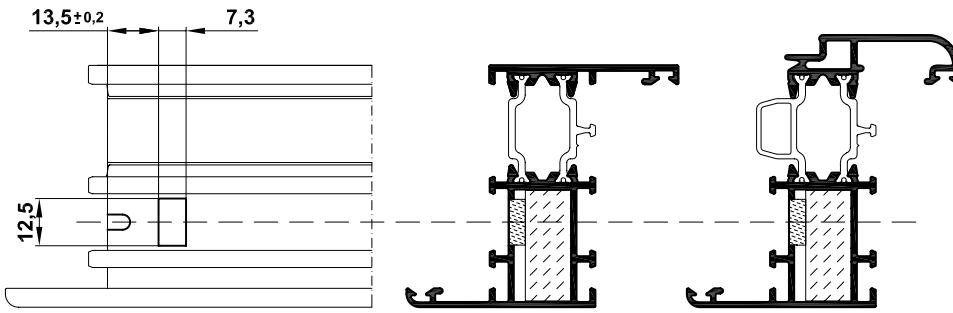
ACCESSORI
ACCESSORIES

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
408.213.XX	Kit bilico orizzontale a chiusure multiple Kit multi-point lockings horizontal pivoting window	1	A.2834.AA	Supporto vetro Glass support	2	A.0228.EN	Angolo stampato per precamera Moulded corner for central weatherstrip	4
508.025.01	Distanziale fissaggio profilo inversione bilico Spacer for fixing profile inversion pivoting window	*	509.261.55	Cappetta scarico acqua (paratempsta) Water drain cover	2	502.002.XX	Angolo stampato per fermavetro arrotondato Moulded corner for snap-on rounded glass beading	4
2020(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin	10	410.405.01	Basetta unificata per regolo mobile Unified plate for adjustable block	5	404.121.05	Kit chiusura supplementare Kit additional lock	*
2013(Mont.)	Squadretta Fuji allineamento aletta Fuji alignment corner joint on fin	6	510.415.01	Regolo mobile da 15 mm Adjustable block mm 15	5	A.2156.TN	Tappo per giunzione bilico Plug for pivoting window connection	1
A.5441.AA	Squadretta per giunzione d'angolo Corner joint	12	510.491.55	Tappo rotondo copriforo diametro 12 mm Circular coverhole plug dia. mm 12	5			

GUARNIZIONI
WEATHERSTRIPS

Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N	Articolo Item	Descrizione Description	N
G.0126.EN	Guarnizione di battuta Weatherstrip of rabbet	4H 4L	G.0152.EN	Guarnizione esterna appoggio vetri 3 mm Weatherstrip on glass support mm 3	2H 2L	G.0148.EN	Guarnizione sotto vetro Weatherstrip under glass	2H 2L
G.0123.EN	Guarnizione interna tenuta vetro 4-6 mm Weatherstrip on glazing bead shim mm 4-6	2H 2L	G.0135.EN	Guarnizione di precamera Central weatherstrip	4H 4L	G.0119.EN	Guarnizione di battuta per bilico pivoting weatherstrip of rabbet	2H 2L

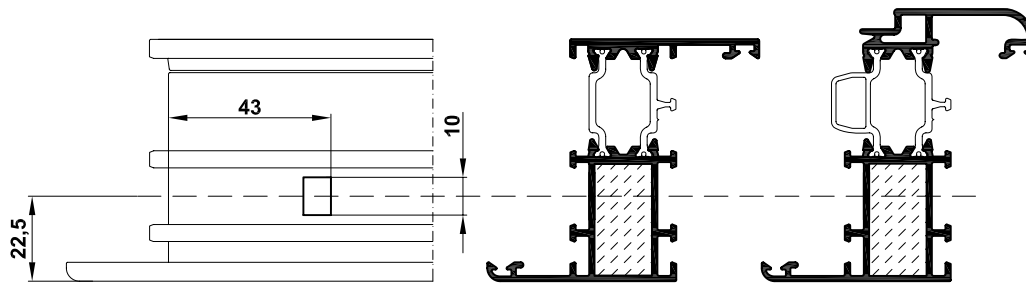
SQUADRETTA D'ANGOLO
CORNER JOINT



ART. : A.5441.AA



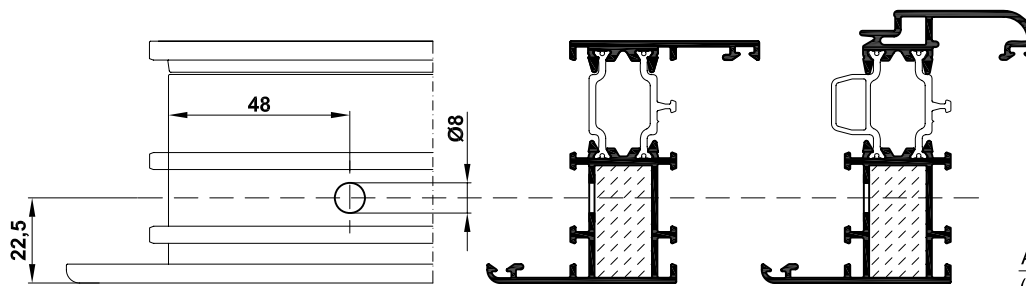
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Tooling: PUNCHING MACHINE



ART. : 5034



Attrezzatura: CIANFRINATRICE MANUALE
Tooling: MANUAL CRIMPING TOOL



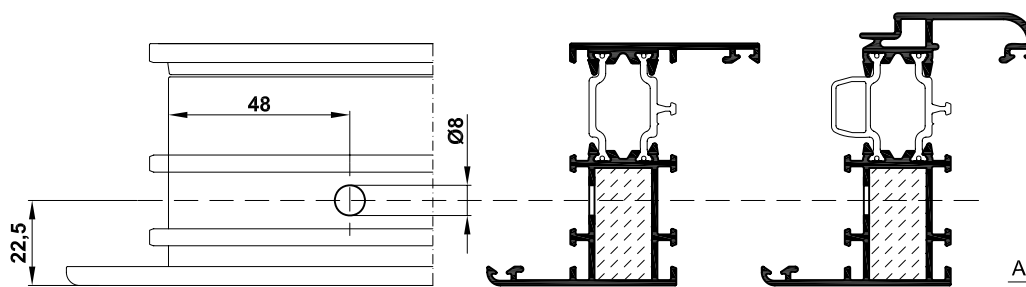
ART. : 5034



ART. : VILM 5x14_D8
(Monticelli)



Attrezzatura: TRAPANO
Tooling: DRILL



ART. : 5034



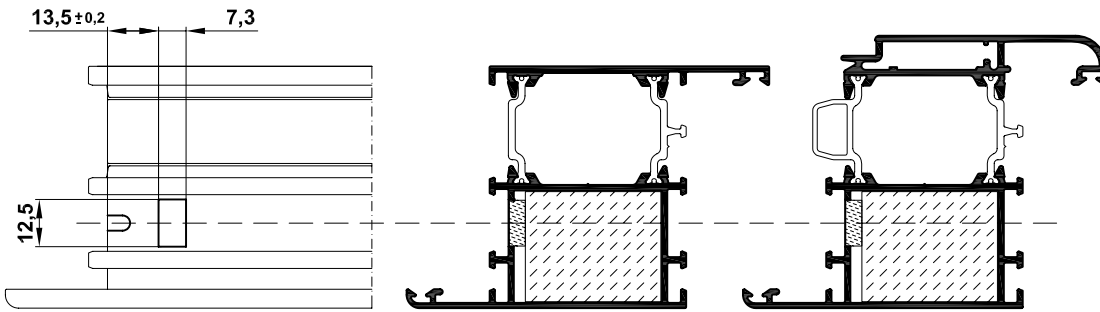
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(Monticelli)



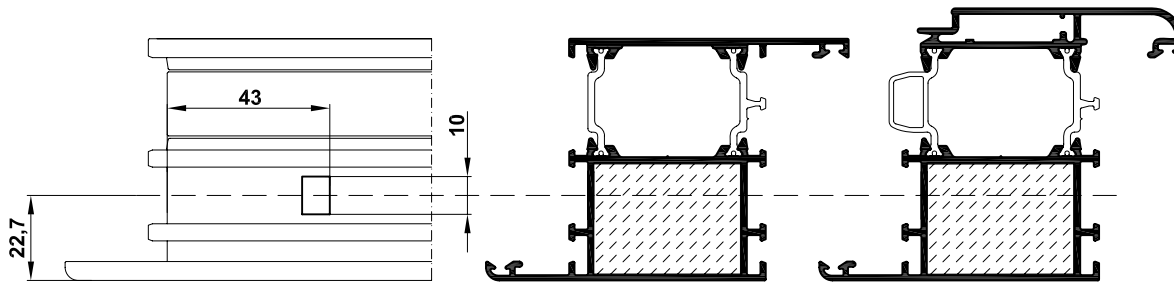
Attrezzatura: TRAPANO
Tooling: DRILL

SQUADRETTA D'ANGOLO
CORNER JOINT

ART. : A.5429.AA



Attrezzatura: PUNZONATRICE
Tooling: PUNCHING MACHINE

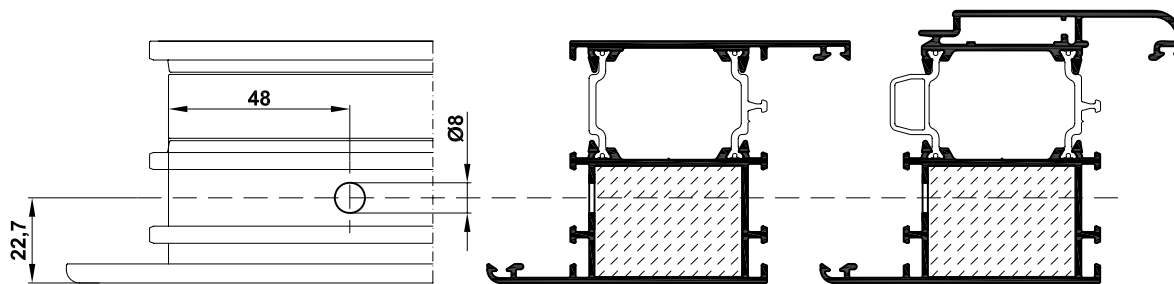


ART. : 5043



Attrezzatura: CIANFRINATRICE MANUALE
Tooling: MANUAL CRIMPING TOOL

LAVORAZIONE ESTERNA
EXTERNAL TOOLING



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(Monticelli)

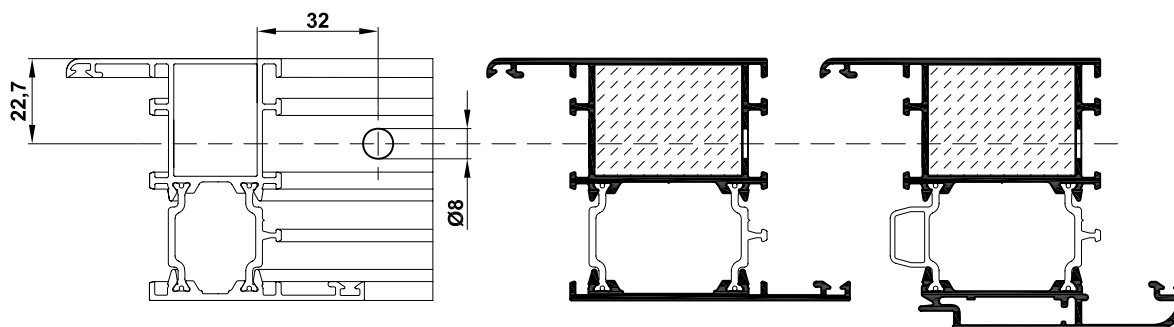


ART. : 5043



Attrezzatura: TRAPANO
Tooling: DRILL

LAVORAZIONE ESTERNA
EXTERNAL TOOLING



ART. : 5043

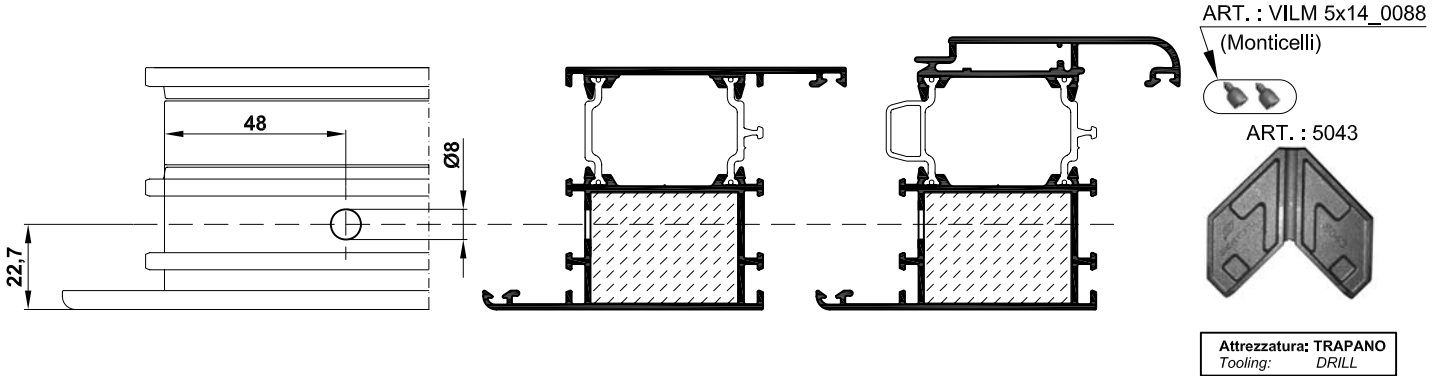


ART. : VILM 5x14_D8
(Monticelli)

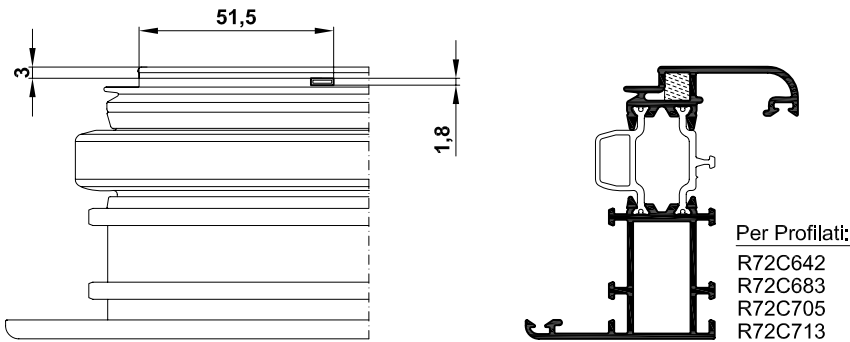
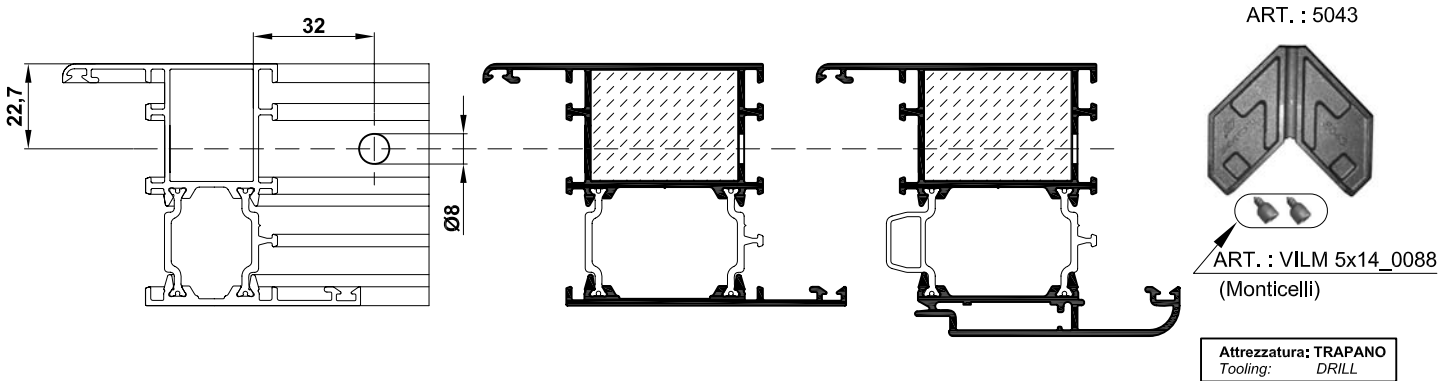
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Tooling: DRILL

SQUADRETTA D'ANGOLO
CORNER JOINT

LAVORAZIONE ESTERNA
EXTERNAL TOOLING

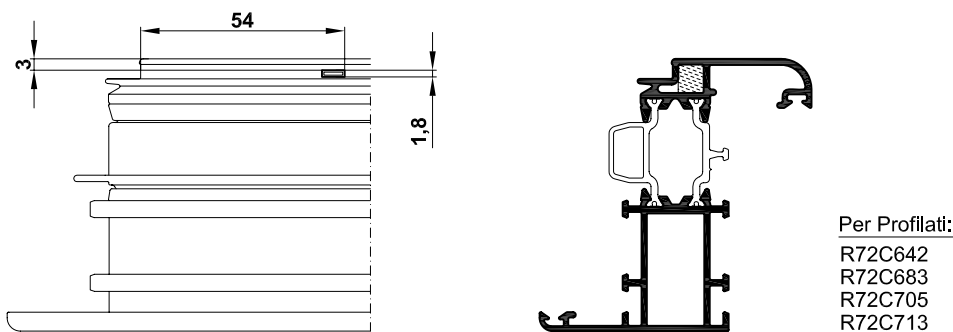


LAVORAZIONE ESTERNA
EXTERNAL TOOLING



ART. : A.5662.AA

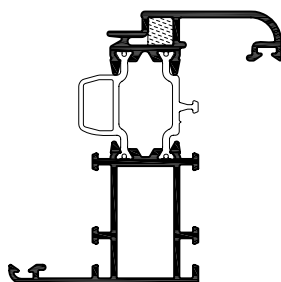
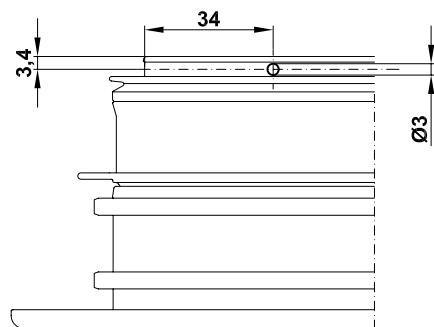
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Tooling: MANUAL CRIMPING TOOL



ART. : 0133

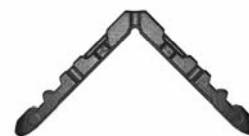
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Tooling: MANUAL CRIMPING TOOL

SQUADRETTA D'ANGOLO
CORNER JOINT



Per Profilati:
R72C642
R72C683
R72C705
R72C713

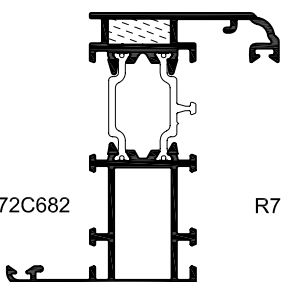
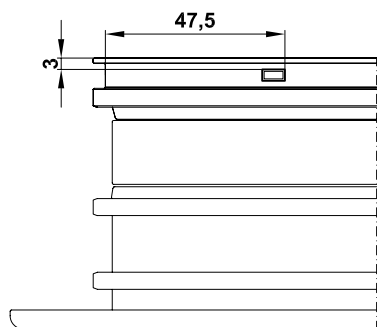
ART. : 0133



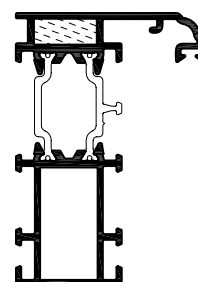
Spina 0092 "Monticelli"



Attrezzatura: TRAPANO
Tooling: DRILL



R72C682

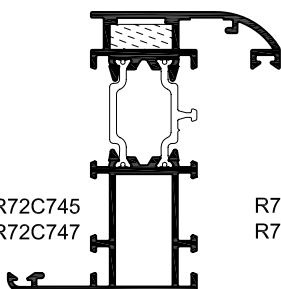
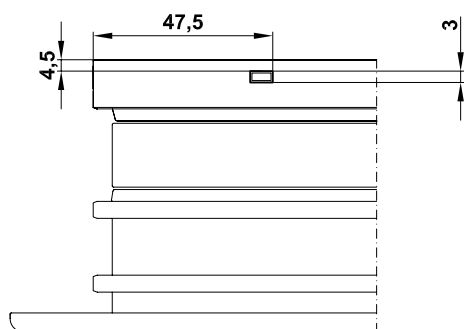


R72C681

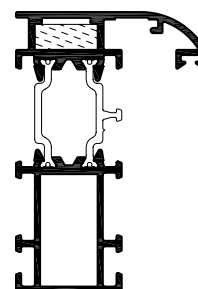
ART. : A.2921.AA



Attrezzatura: CIANFRINATRICE MANUALE
Tooling: MANUAL CRIMPING TOOL



R72C745
R72C747

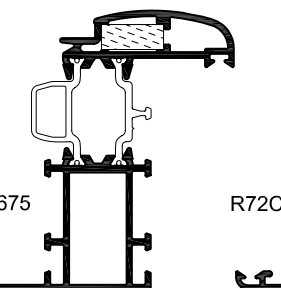
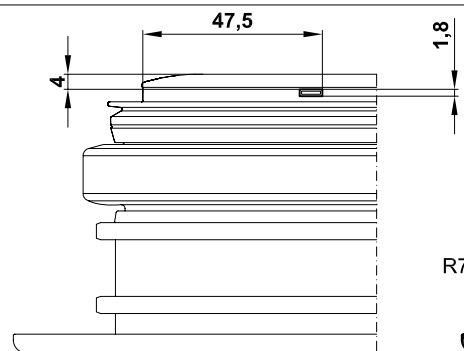


R72C744
R72C746

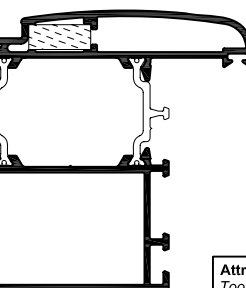
ART. : A.2921.AA



Attrezzatura: CIANFRINATRICE MANUALE
Tooling: MANUAL CRIMPING TOOL



R72C675

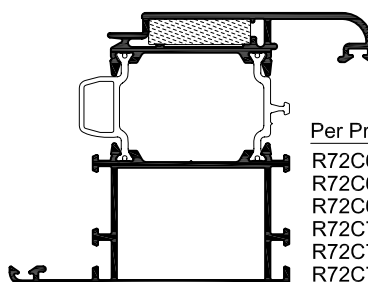
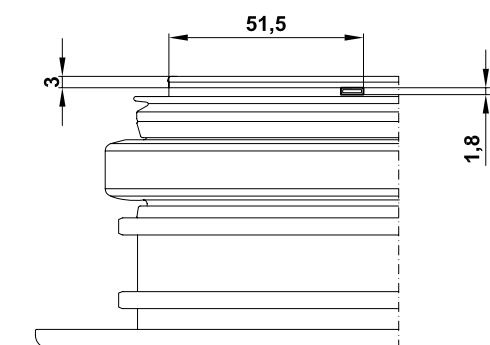


R72C700

ART. : A.2921.AA



Attrezzatura: CIANFRINATRICE MANUALE
Tooling: MANUAL CRIMPING TOOL



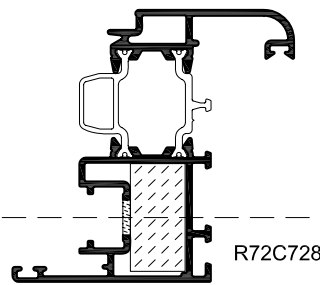
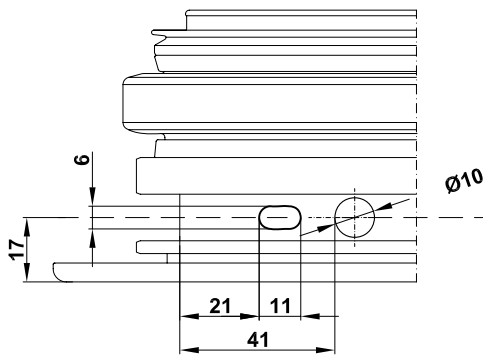
Per Profilati:
R72C653
R72C673
R72C698
R72C703
R72C706
R72C709

ART. : A.5624.AA



Attrezzatura: CIANFRINATRICE MANUALE
Tooling: MANUAL CRIMPING TOOL

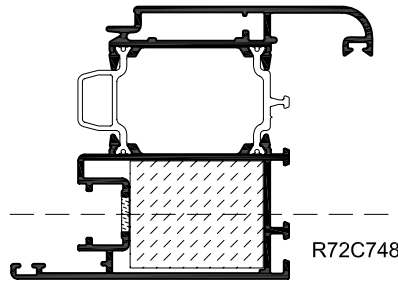
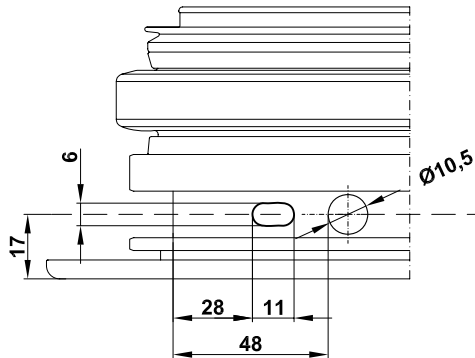
SQUADRETTA D'ANGOLO
CORNER JOINT



ART. : 0409



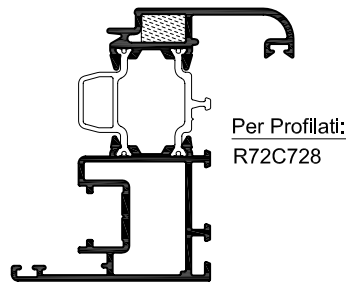
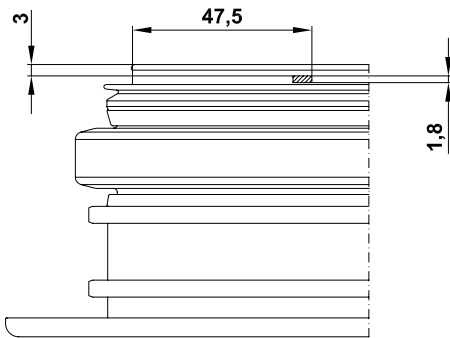
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Tooling: PUNCHING MACHINE M.0006.R5 (Sapa)



ART. : 0496



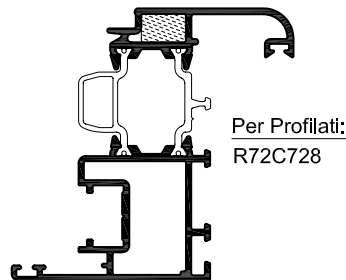
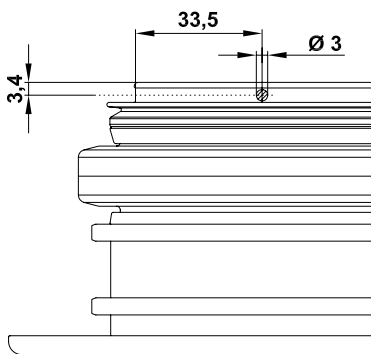
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Tooling: PUNCHING MACHINE M.0006.R5 (Sapa)



ART. : A.2910.AA



Attrezzatura: CIANFRINATRICE MANUALE
Tooling: MANUAL CRIMPING TOOL

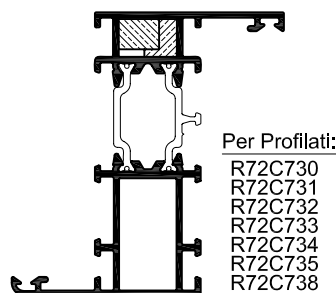
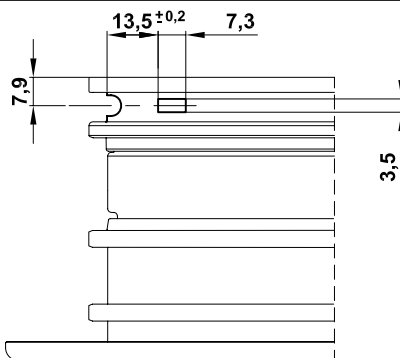


ART. : A.2910.AA



Spina 0092 "Moticelli"

Attrezzatura: TRAPANO
Tooling: DRILL

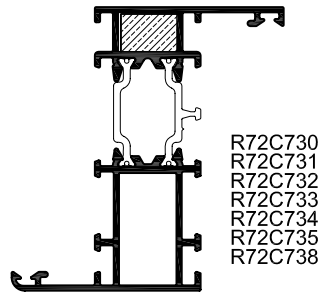
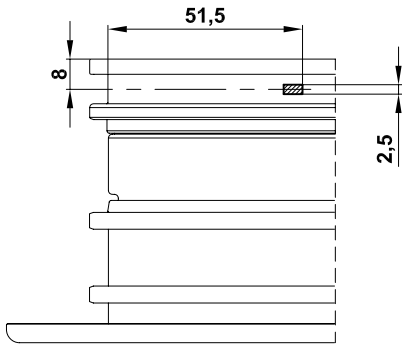


ART. : A.2911.AA



Attrezzatura: PUNZONATRICE M.0005.R5 (Sapa)
Tooling: PUNCHING MACHINE M.0005.R5 (Sapa)

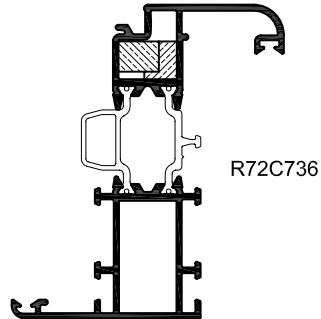
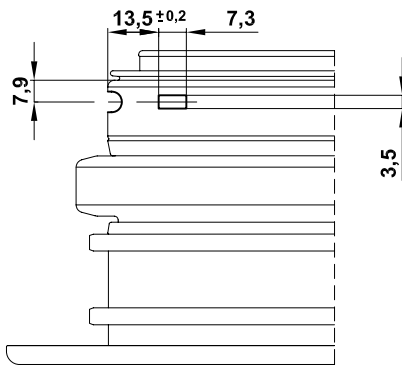
SQUADRETTA D'ANGOLO
CORNER JOINT



ART. : A.2912.AA



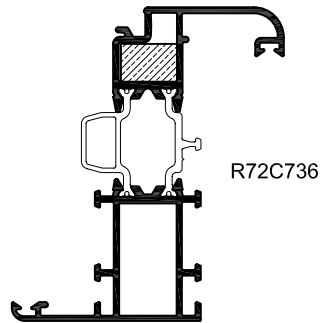
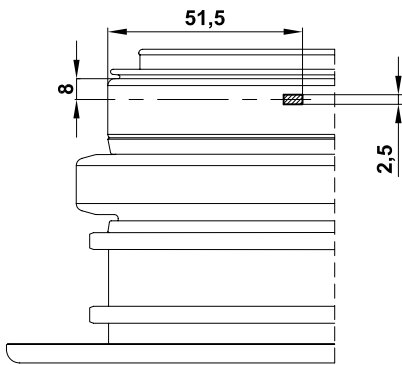
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Tooling: MANUAL CRIMPING TOOL



ART. : A.2911.AA



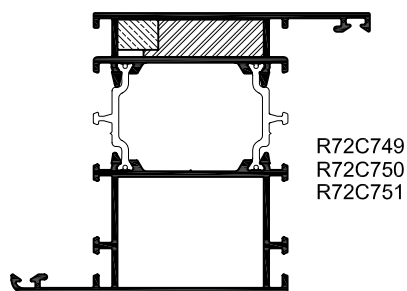
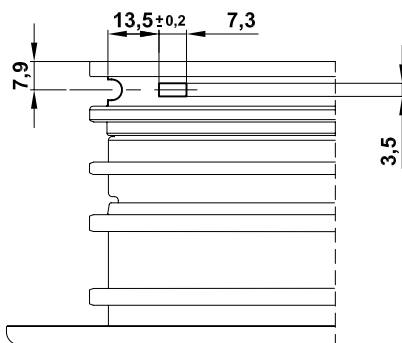
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Tooling: PUNCHING MACHINE M.0005.R5 (Sapa)



ART. : A.2912.AA



Attrezzatura: CIANFRINATRICE MANUALE
Tooling: MANUAL CRIMPING TOOL

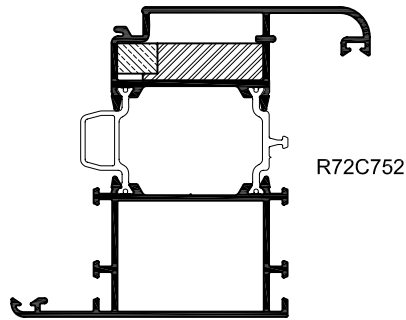
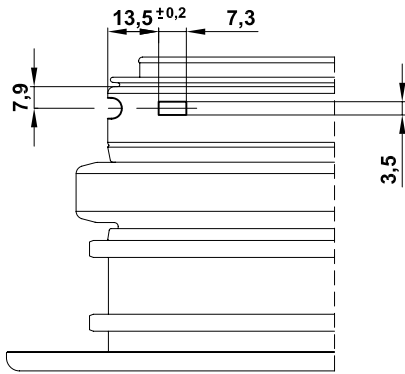


ART. : A.2914.AA



Attrezzatura: PUNZONATRICE M.0005.R5 (Sapa)
Tooling: PUNCHING MACHINE M.0005.R5 (Sapa)

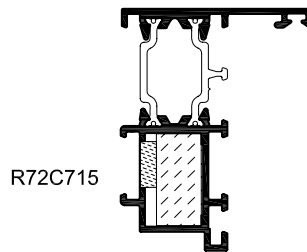
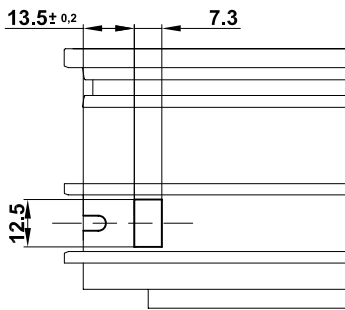
SQUADRETTA D'ANGOLO
CORNER JOINT



ART. : A.2914.AA



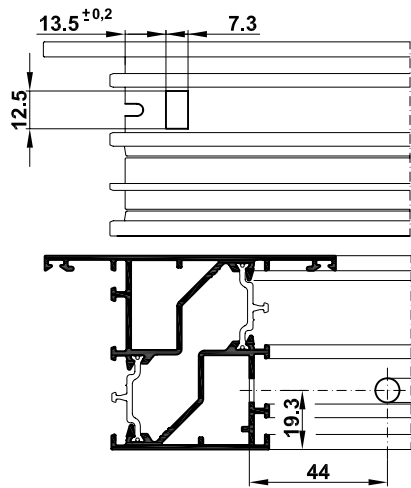
Attrezzatura: PUNZONATRICE M.0005,R5 (Sapa)
Tooling: PUNCHING MACHINE M.0005,R5 (Sapa)



A.2915.AA

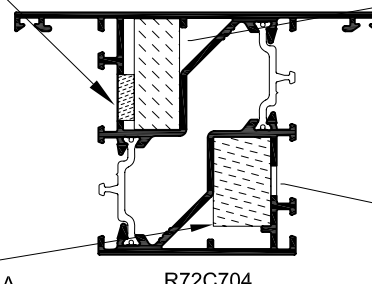


Attrezzatura: PUNZONATRICE
Tooling: PUNCHING MACHINE



ESTERNA

INTERNA

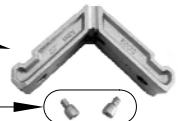


ART. : A.5441.AA



Attrezzatura: PUNZONATRICE
Tooling: PUNCHING MACHINE

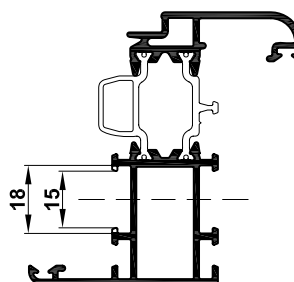
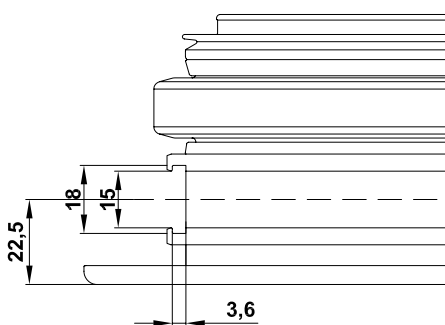
ART. : 5033



ART. : VILM 5x14_D8
(Monticelli)

Attrezzatura: TRAPANO
Tooling: DRILL

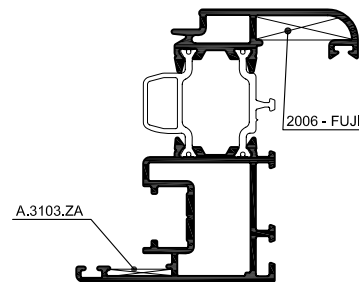
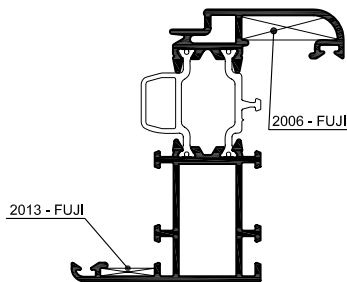
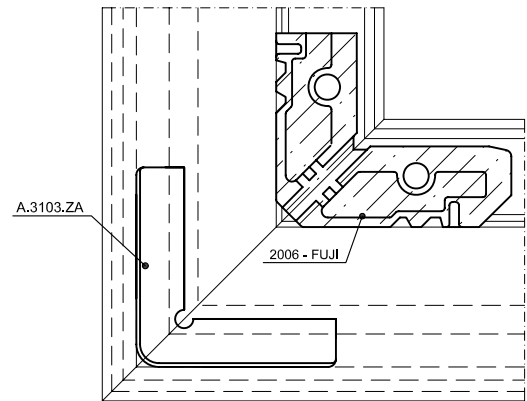
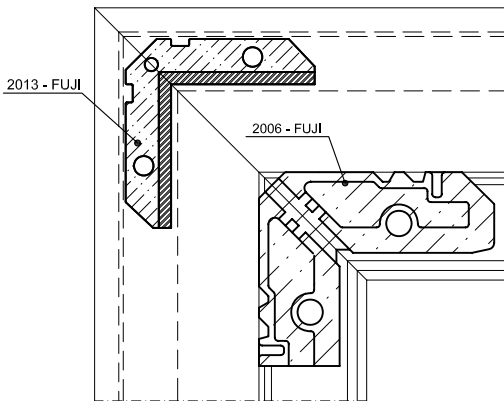
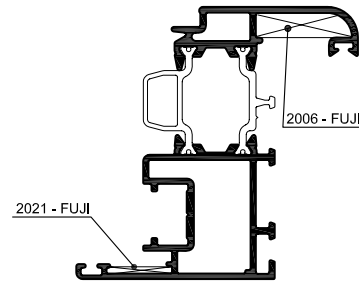
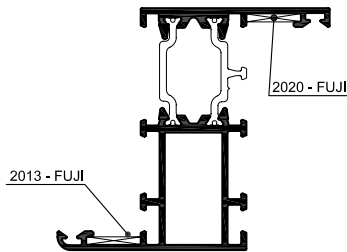
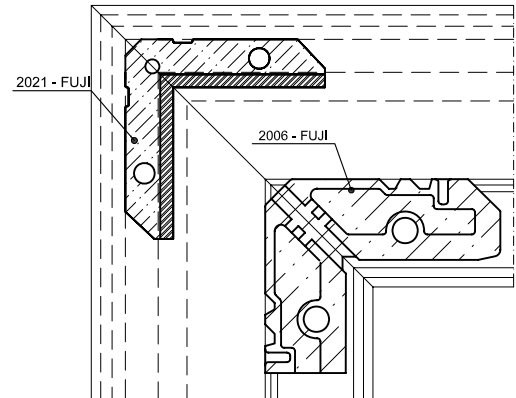
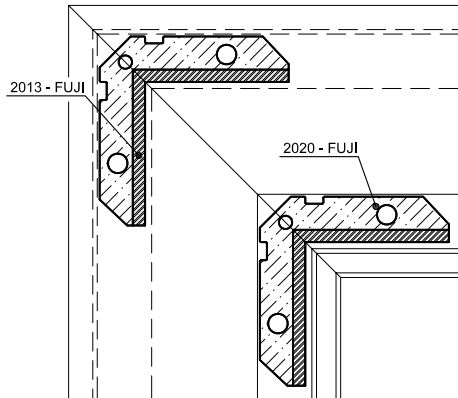
ASPORTAZIONE DENTINI PER INSERIMENTO ASTA
TOOTH REMOVAL FOR ROD NOTCH



900221

Attrezzatura: PUNZONATRICE
Tooling: PUNCHING MACHINE

APPLICAZIONE SQUADRETTE DI ALLINEAMENTO
ALIGNMENT CORNER JOINTS APPLICATION

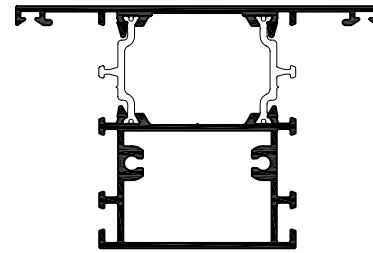
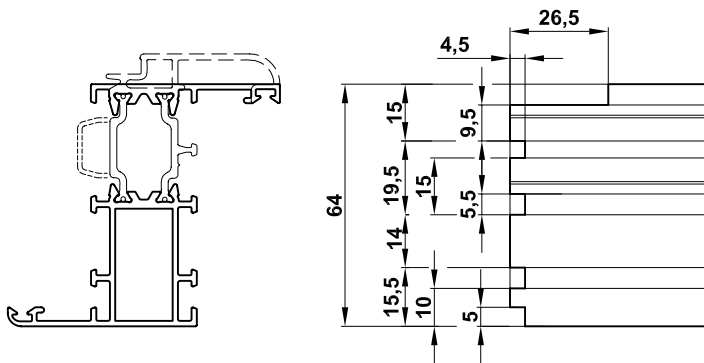


Attenzione : in corrispondenza del cardine inferiore, utilizzare squadretta A.3103.ZA invece della 2021 (Mont.)
Attention : in corrispondence of the bottom hinge use corner joint A.3103.ZA instead of 2021 (Mont.)

- 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

INTESTATURA FASCE E ZOCOLI
BUTTING HORIZONTAL PANELS - SKIRTING BOARDS

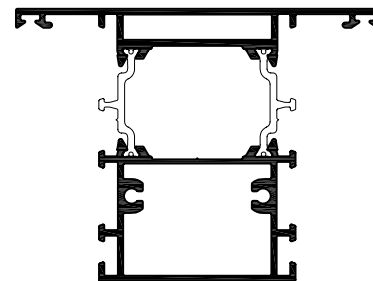
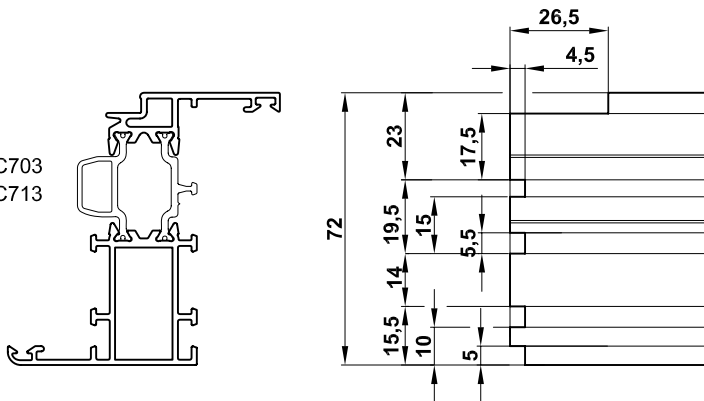


R72C646
R72C647
R72C654
R72C669
R72C721
R72C722

Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

INTESTATURA FASCE E ZOCOLI PER ANTE COMPLANARI
BUTTING HORIZONTAL PANELS - SKIRTING BOARDS FOR COPLANAR WINGS

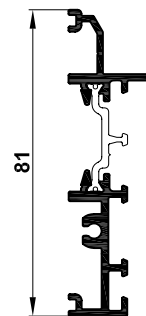
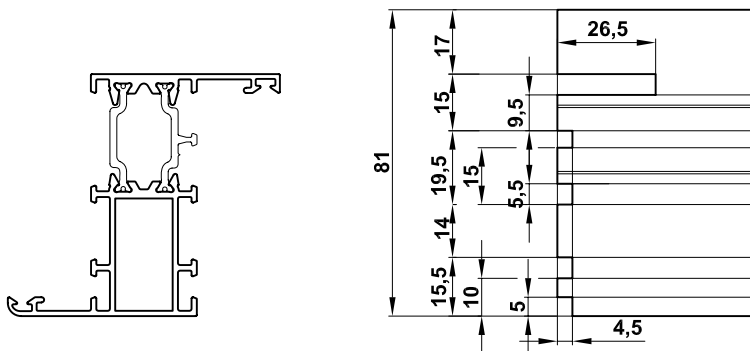
R72C703
R72C713



R72C712
R72C719

Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

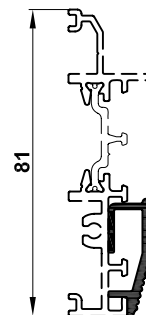
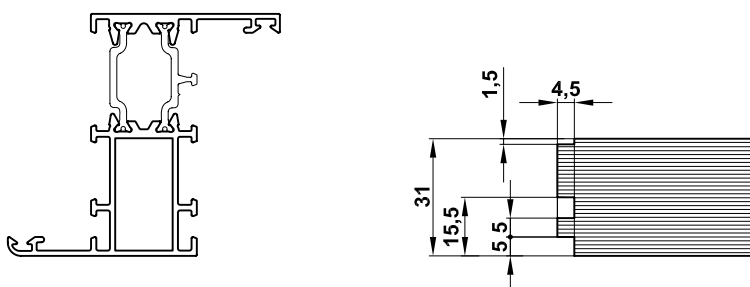
INTESTATURA SOGLIA PROFILATO R72C696
BUTTING FRAME SECTIONS R72C696



R72C696

Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

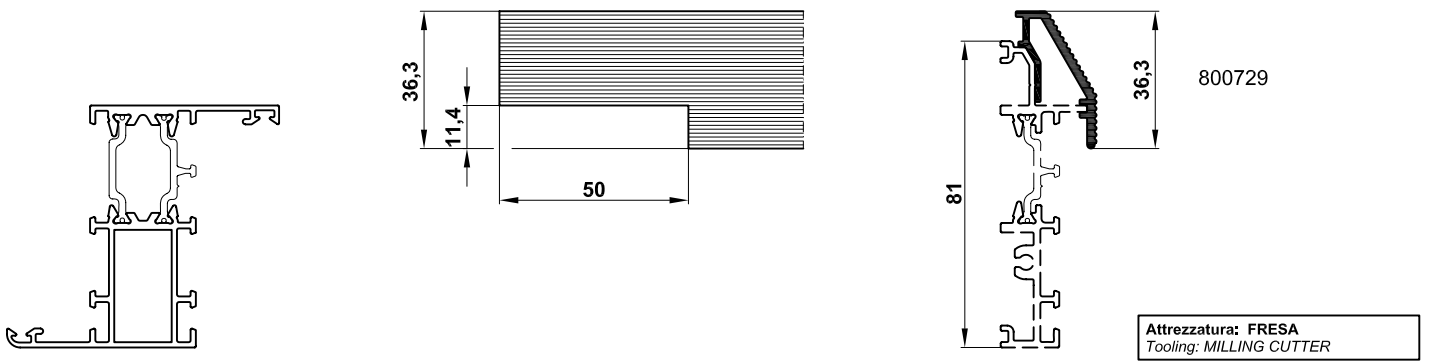
INTESTATURA SOGLIA PROFILATO 800728
BUTTING FRAME SECTIONS 800728



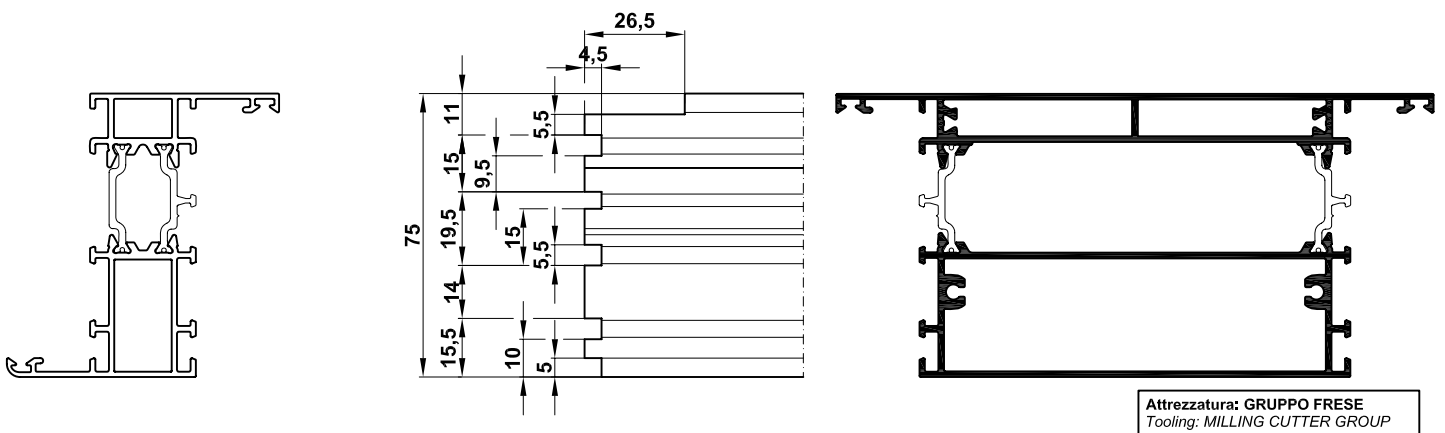
800728

Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

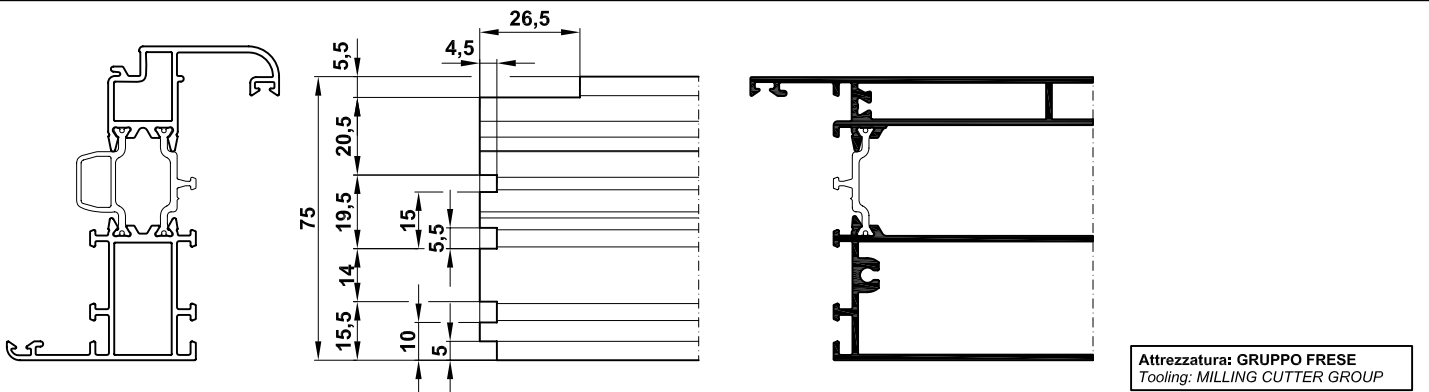
INTESTATURA SOGLIA PROFILATO 800729
BUTTING FRAME SECTIONS 800729



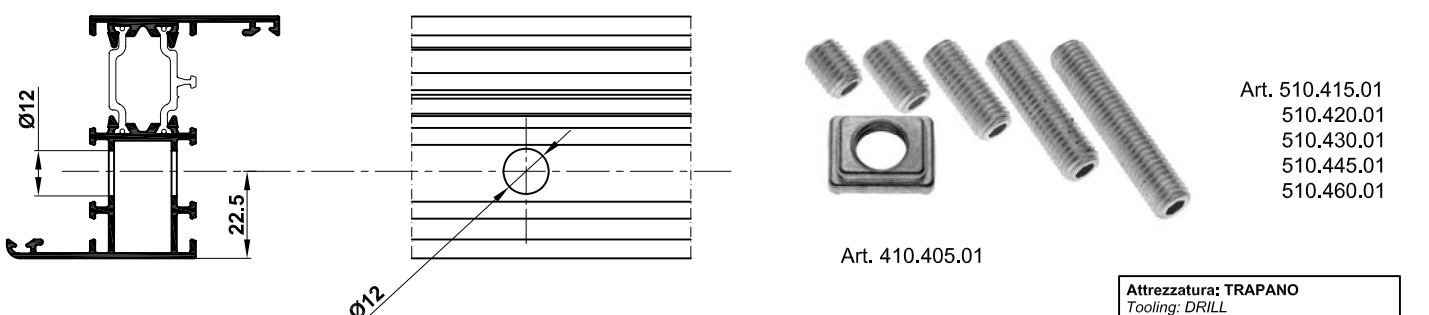
INTESTATURA FASCE PER TELAI "TUBOLARI ESTERNI"
BUTTING HORIZONTAL PANELS FOR FRAMES "EXTERNAL TUBULAR"



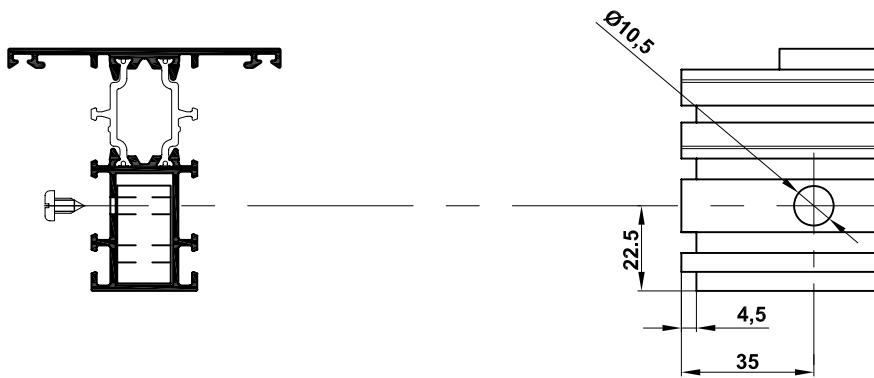
INTESTATURA FASCE PER ANTE "TUBOLARI ESTERNI"
BUTTING HORIZONTAL PANELS FOR WINGS "EXTERNAL TUBULAR"



FORATURA PER REGOLO MOBILE
PUNCHING FOR ADJUSTABLE BLOCK



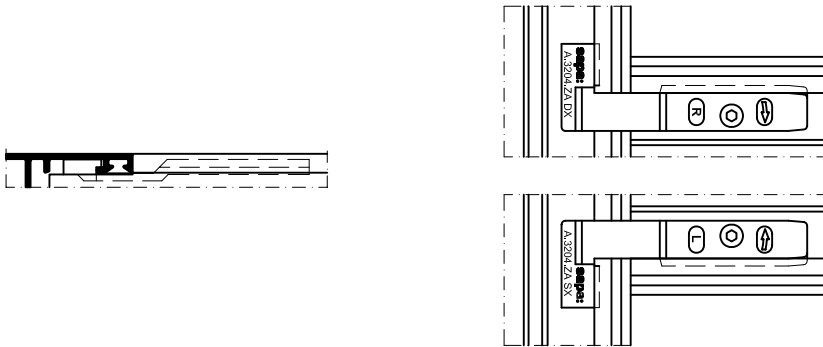
CAVALLOTTI CON VITE
T JOINTS WITH SCREW



Art. 505.267.01

Attrezzatura: TRAPANO
Tooling: DRILL

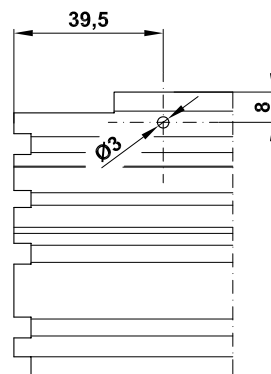
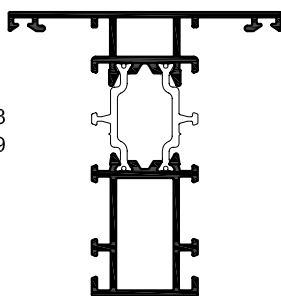
MONTAGGIO CAVALLOTTO A.3204.ZA
ASSEMBLY TJOINTS A.3204.ZA



A.3204.ZA

MONTAGGIO CAVALLOTTI A.3205.NN E A.3206.NN
ASSEMBLY TJOINTS A.3205.NN AND A.3206.NN

R72C738
R72C749



A.3205.NN



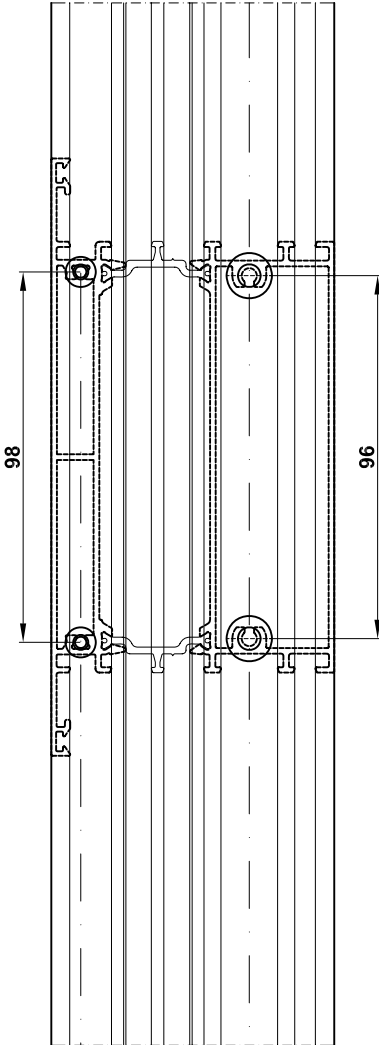
A.3206.NN



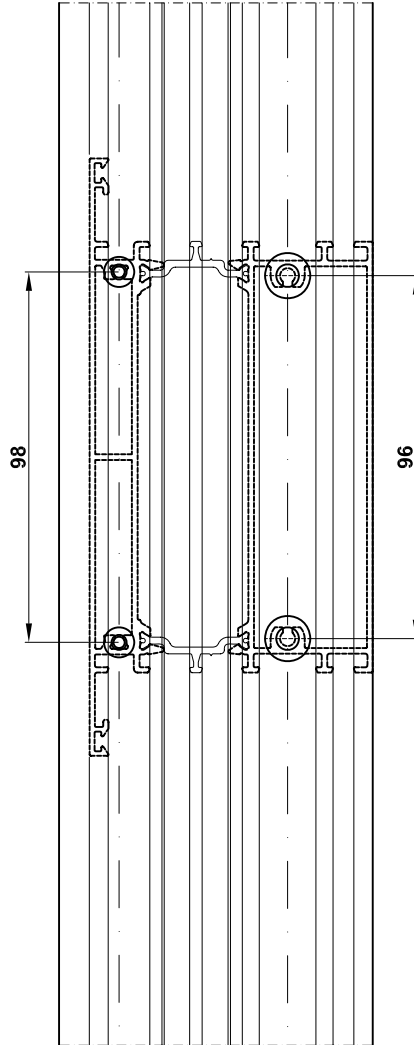
Attrezzatura: TRAPANO
Tooling: DRILL

FORATURA UNIONE FASCE - ZOCOLI
PUNCHING FOR HORIZONTAL PANELS CONNECTION - SKIRTING BOARD

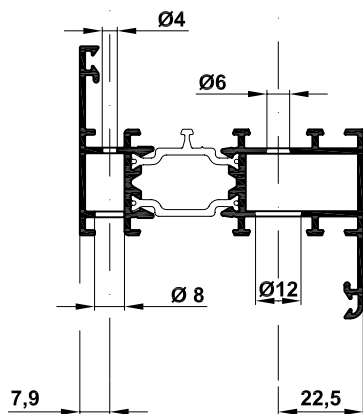
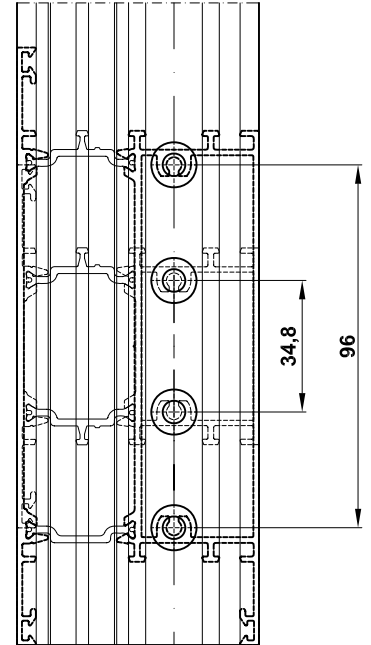
R72C739
R72C740



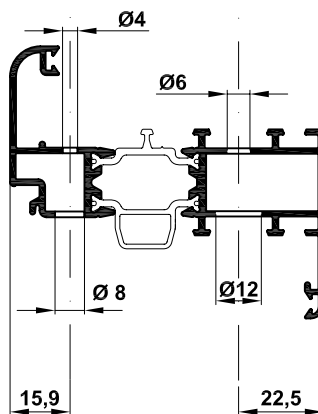
R72C739
R72C740



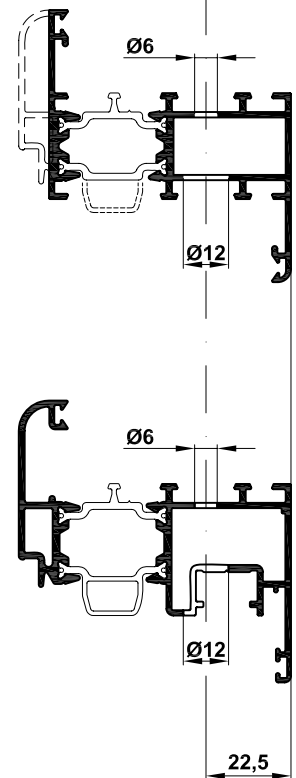
R72C646
R72C647
R72C669



Vite da 3,5 x 20mm
Screw 3,5 x 20mm



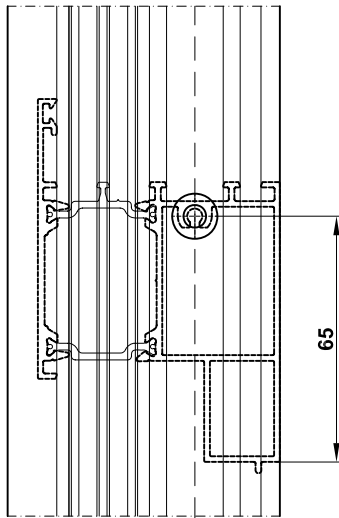
Vite da 3,5 x 20mm
Screw 3,5 x 20mm



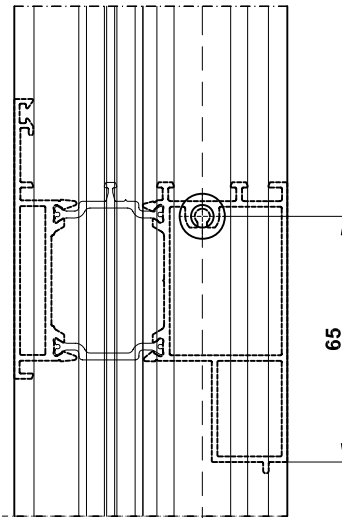
Attrezzatura: TRAPANO
Tooling: DRILL

FORATURA UNIONE FASCE - ZOCOLI
PUNCHING FOR HORIZONTAL PANELS CONNECTION - SKIRTING BOARD

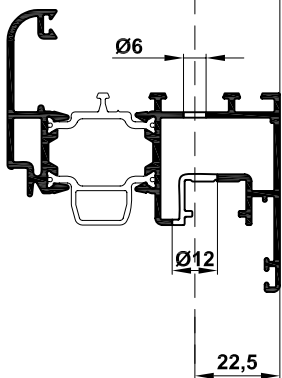
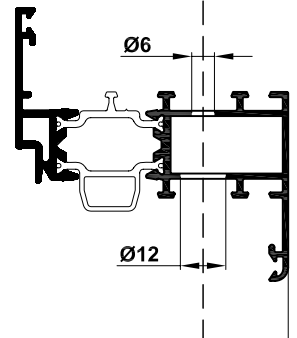
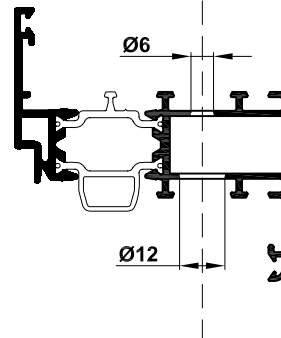
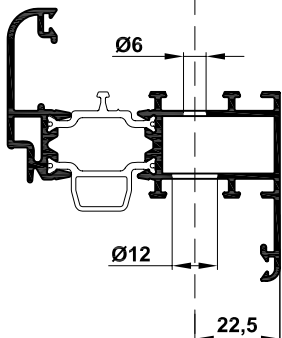
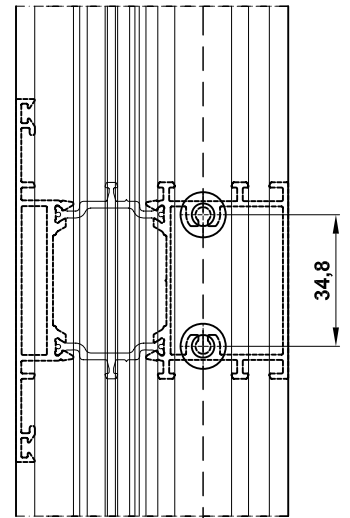
R72C654



R72C712

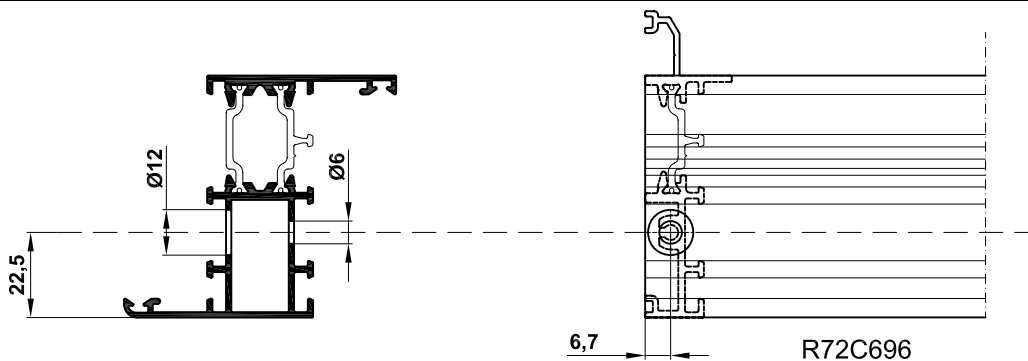


R72C719



Attrezzatura: TRAPANO
Tooling: DRILL

FORATURA SOGLIA
PUNCHING FOR FRAME CONNECTION

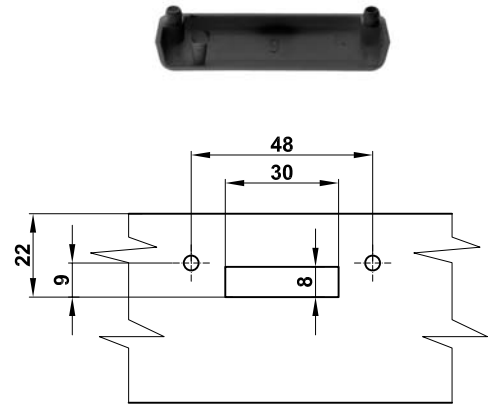
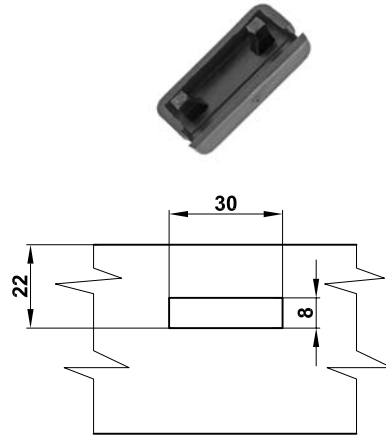
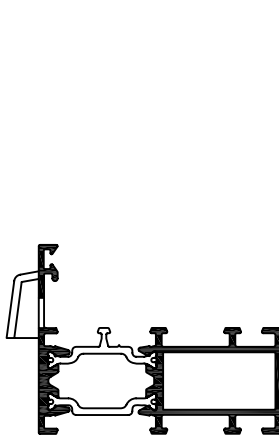


Attrezzatura: TRAPANO
Tooling: DRILL

LAVORAZIONE DEFLUSSO ACQUA
TOOLING WATER DRAINAGE

Art. 509.260.55
509.261.55

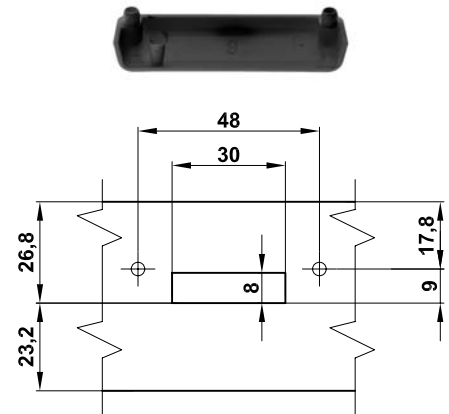
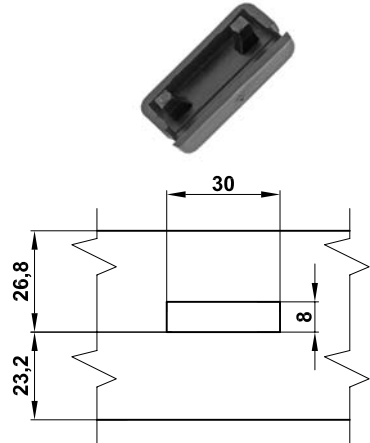
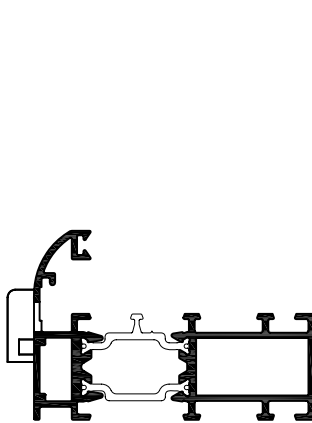
Art. 509.264.55



Attrezzatura: PUNZONATRICE
Tooling: PUNCHING MACHINE

Art. 509.260.55
509.261.55

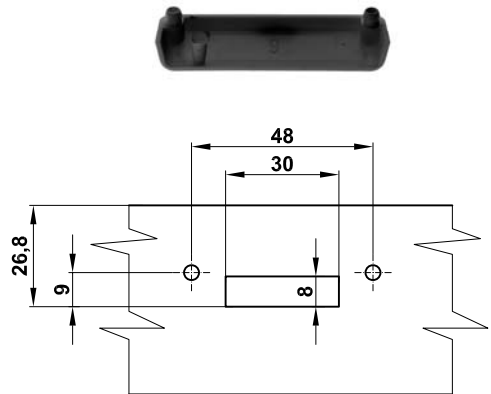
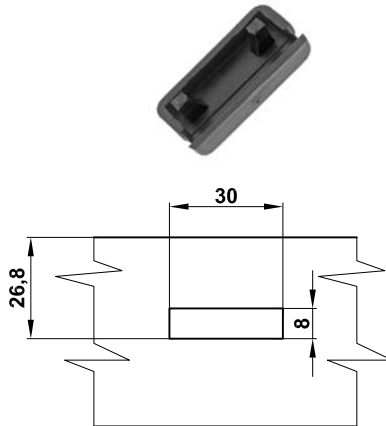
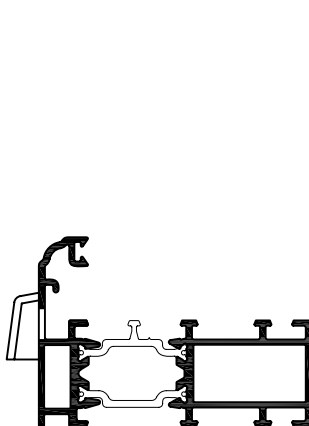
Art. 509.264.55



Attrezzatura: PUNZONATRICE
Tooling: PUNCHING MACHINE

Art. 509.260.55
509.261.55

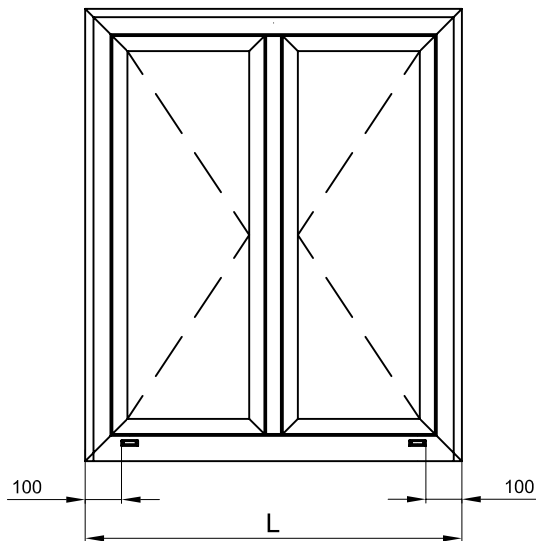
Art. 509.264.55



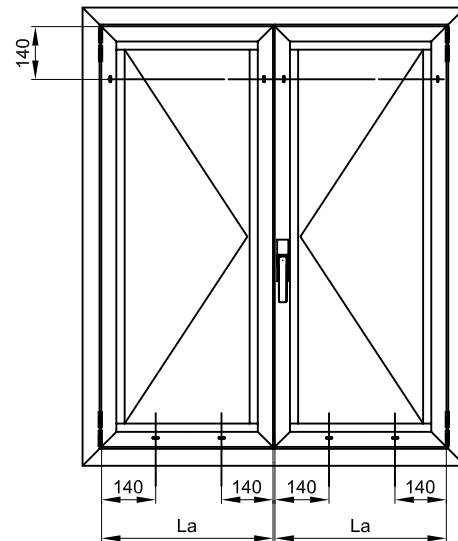
Attrezzatura: PUNZONATRICE
Tooling: PUNCHING MACHINE

LAVORAZIONI PER SCARICHI ACQUA E VENTILAZIONE VETRI
PROCESSING FOR WATER DRAINAGE AND GLASS VENTILATION

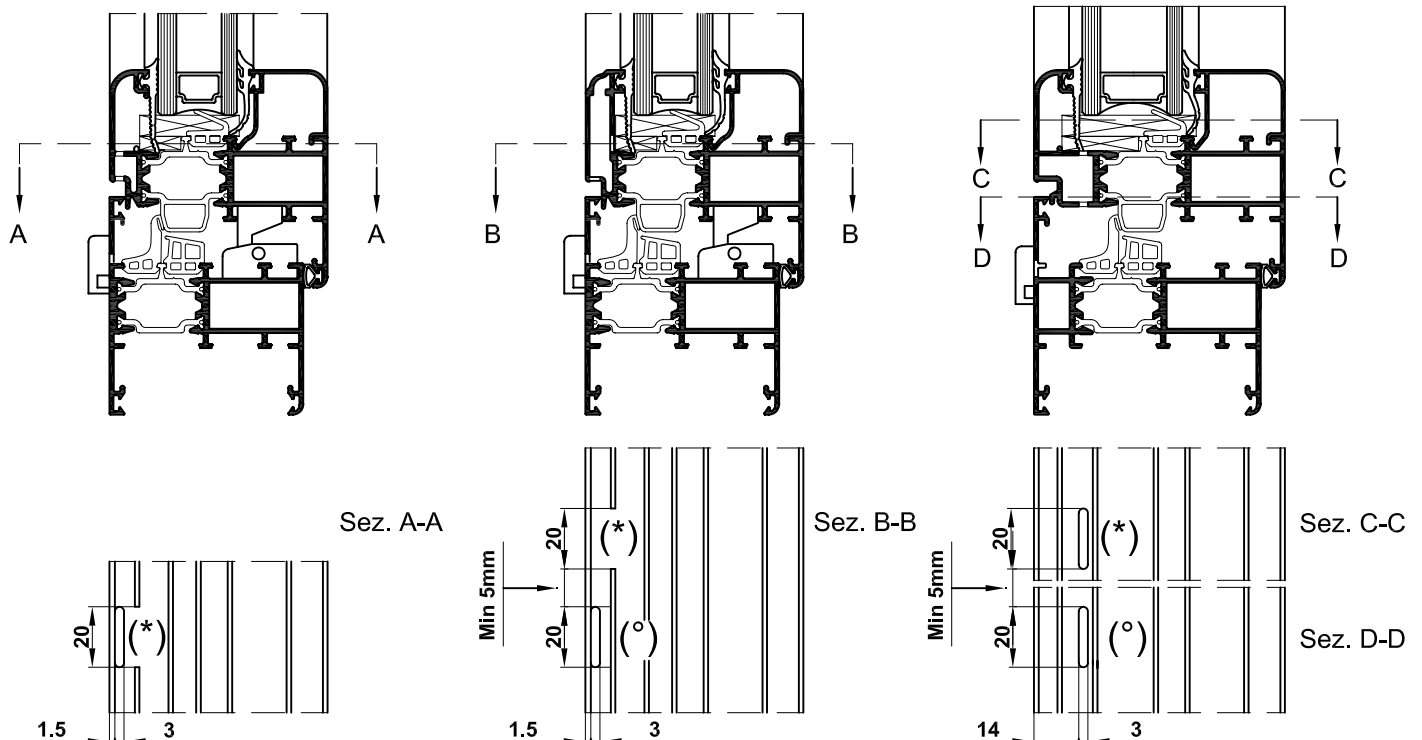
Posizione scarichi acqua
Water drainages position



Posizione ventilazione vetri
Glass ventilation position



- Scarichi acqua:
N° 2 Per $L \leq 1200$ mm
N° 3 Per $L > 1200$ mm ≤ 2100 mm
N° 4 Per $L > 2100$ mm ≤ 2800 mm
- Water drains:
N° 2 For $L \leq 1200$ mm
N° 3 For $L > 1200$ mm ≤ 2100 mm
N° 4 For $L > 2100$ mm ≤ 2800 mm



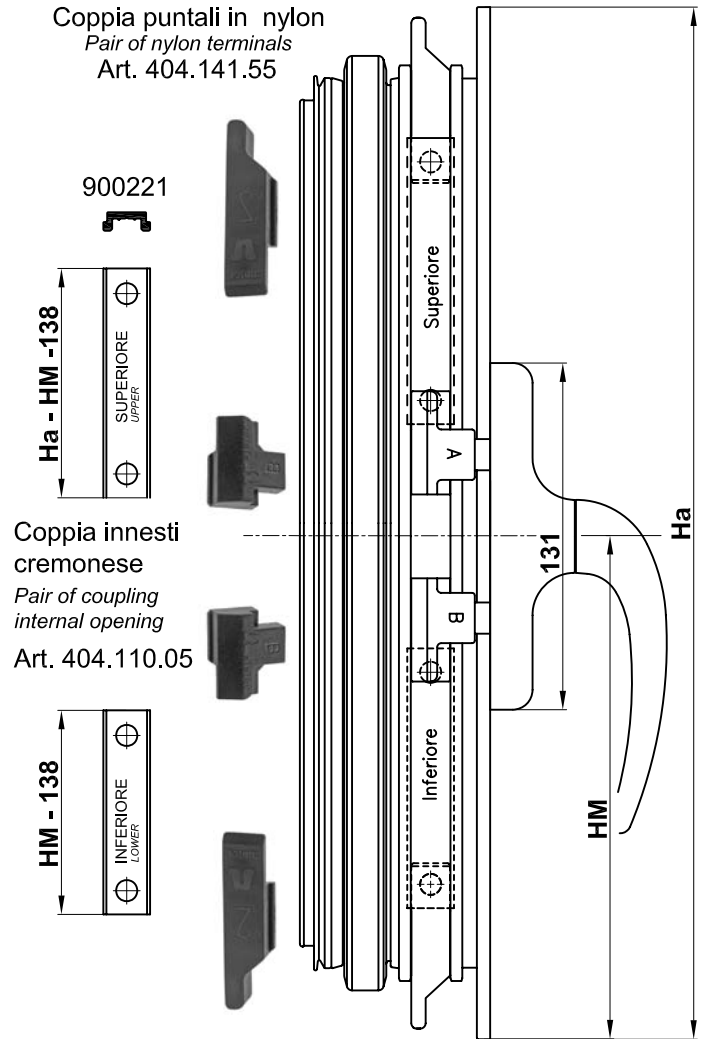
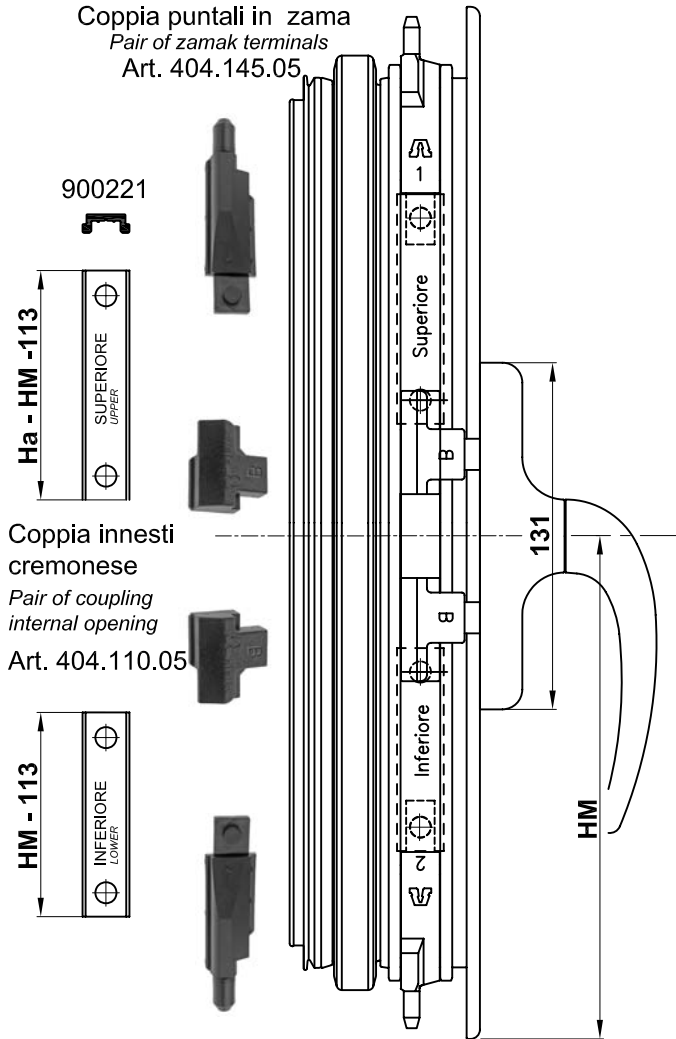
(*) Asportazione dentino solo su profilato anta lato inferiore in corrispondenza scarico acqua
Teeth removal only on lower wing section corresponding to the water drainage hole

(*) Asola da 20x 5mm spostata rispetto all'altra lavorazione
(°) Asola da 20x 3mm in corrispondenza dello scarico acqua
(*) Slot 20x5mm not corresponding to the other tooling
(°) Slot 20x3mm corresponding to the water drainage hole

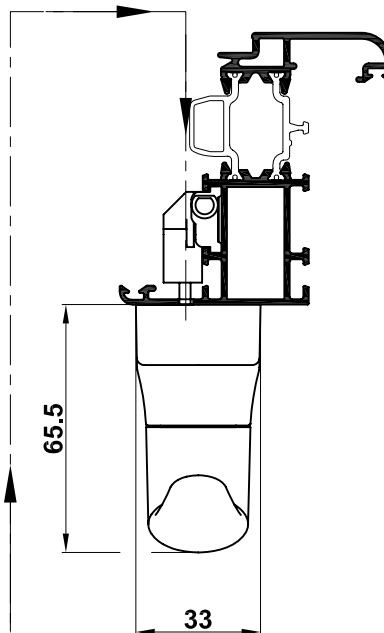
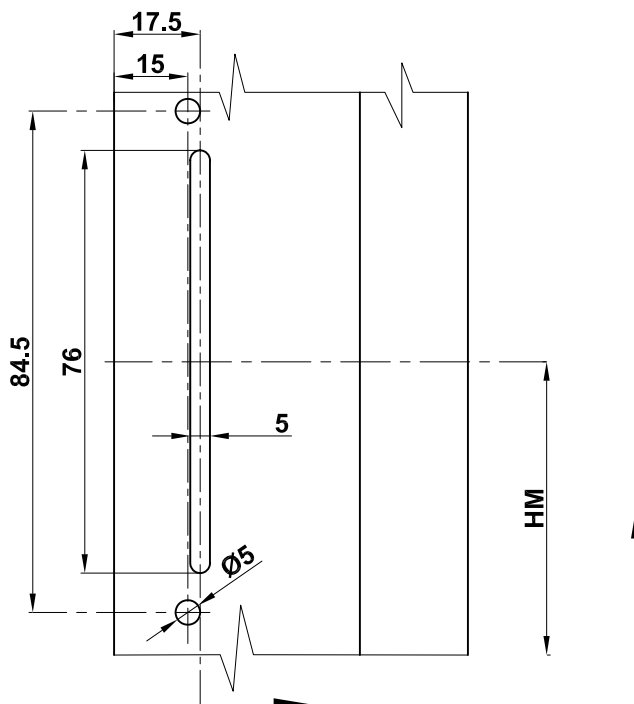
(*) Asola da 20x 3mm spostata rispetto all'altra lavorazione
(°) Asola da 20x 3mm in corrispondenza dello scarico acqua
(*) Slot 20x3mm not corresponding to the other tooling
(°) Slot 20x3mm corresponding to the water drainage hole

Attrezzatura: TRAPANO - PANTOGRAFO
Tooling: DRILL - PANTOGRAPH

PUNтали ED INNESTI CREMONESI

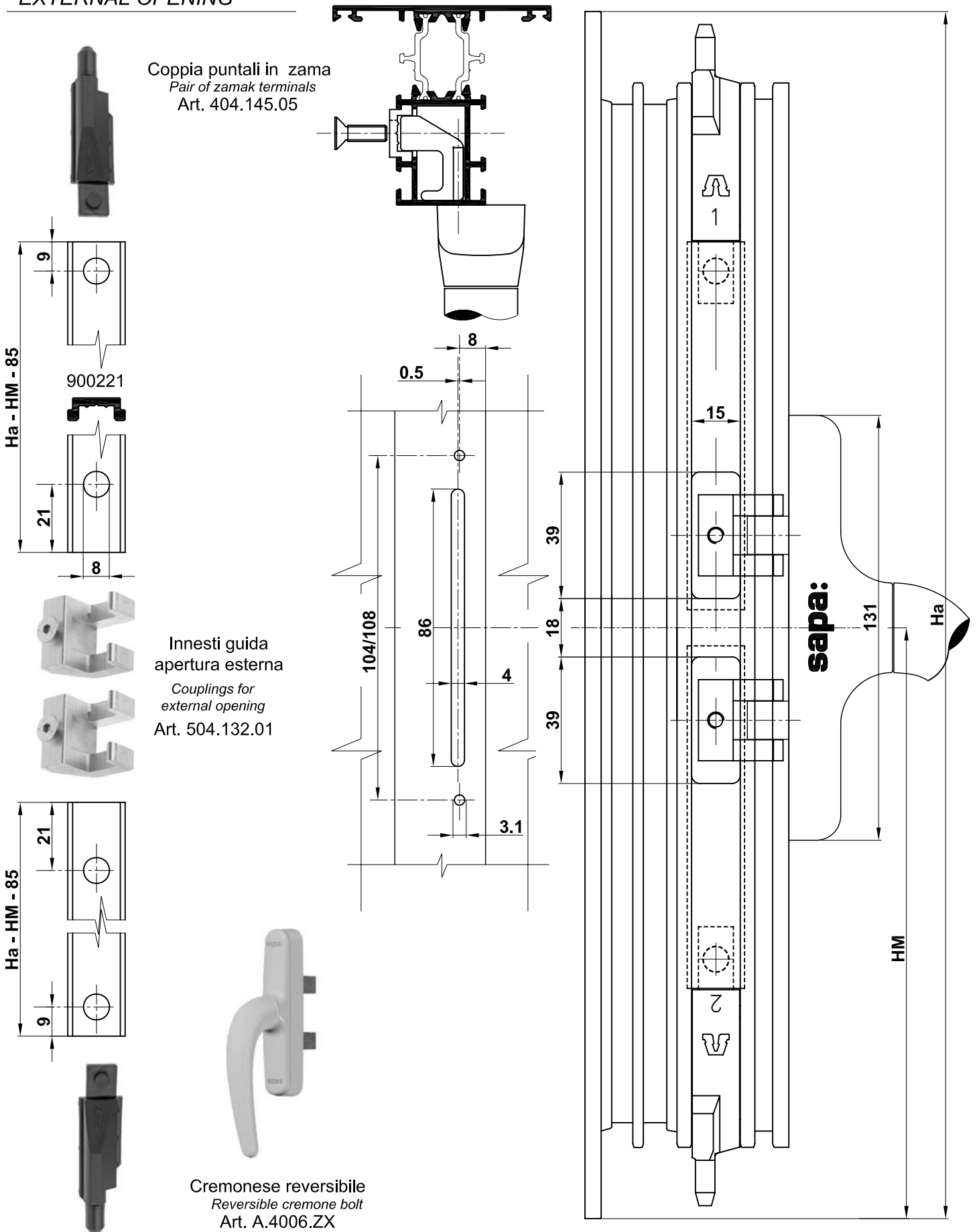


LAVORAZIONE PER CREMONESI
TOOLING FOR CREMONES BOLT



Cremonese reversibile Sapa
Reversible cremonese
Art. A.4003.ZX

APERTURA ESTERNA
EXTERNAL OPENING

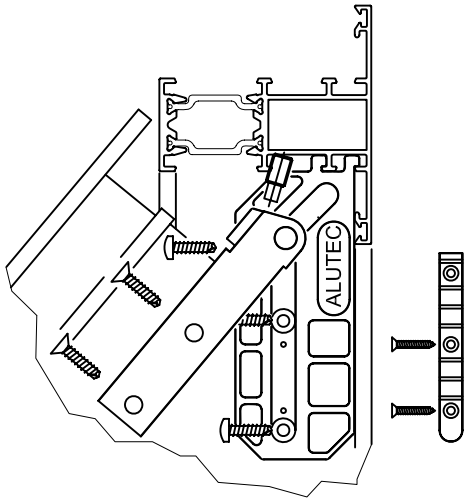


GRUPPO ARTICOLAZIONE RINFORZATO PER SPORGERE PORTATA 90Kg
RELEASABLE ARMS FOR HOPPER WINDOW

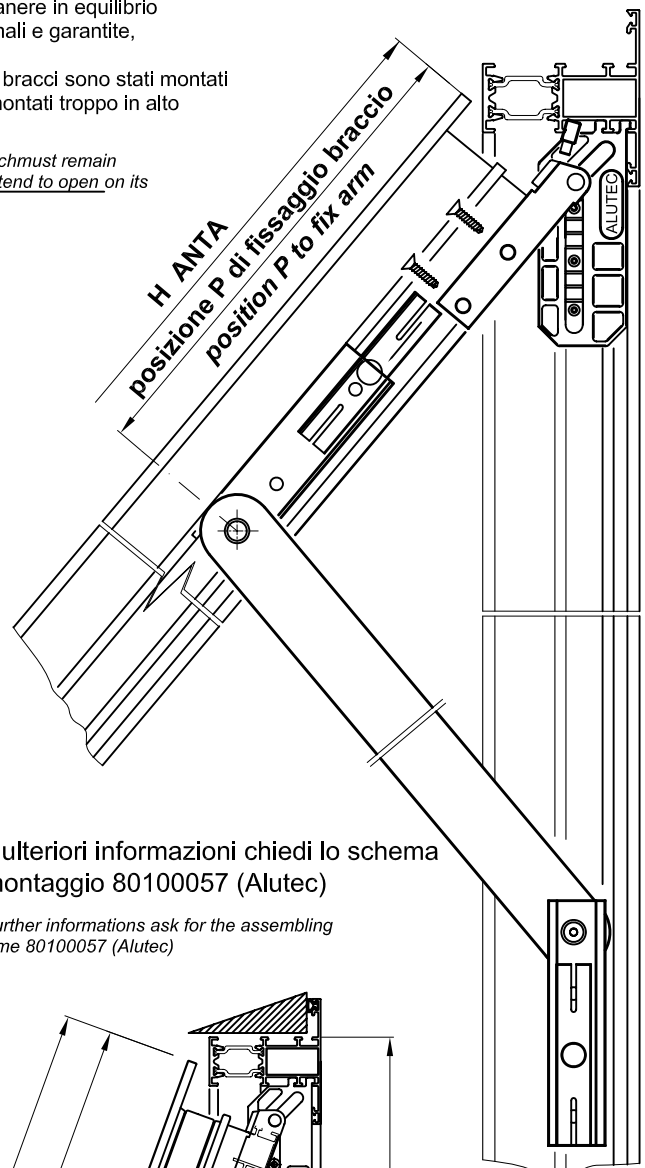
Il sistema a sporgere R72TT 1.3 è basato sul bilanciamento dell'anta che deve rimanere in equilibrio indipendentemente dalla sua posizione in apertura. Per ottenere le prestazioni ottimali e garantite, il peso dell'anta deve scaricarsi sempre sui bracci e mai sullo scivolo.

Per verificare l'equilibratura dell'anta si può procedere nella seguente maniera: se i bracci sono stati montati troppo in basso l'anta tenderà ad aprirsi autonomamente, viceversa se sono stati montati troppo in alto l'anta tenderà a chiudersi

R72TT 1.3, awning systems with load-bearing arms, are based on the balancing of the sash which must remain balanced regardless of its opening position. If the arms have been mounted too low the sash will tend to open on its own while viceversa, if they have been mounted too high up, the sash tends to close.

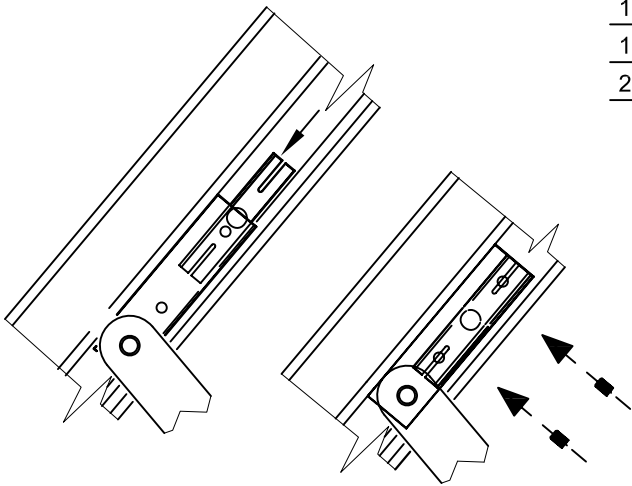


Posizione P Position P	
H anta H wing	P
700	223
800	265
900	285
1000	300
1100	318
1200	332
1300	342
1400	352
1500	362
1600	370
1700	377
1800	384
1900	392
2000	400

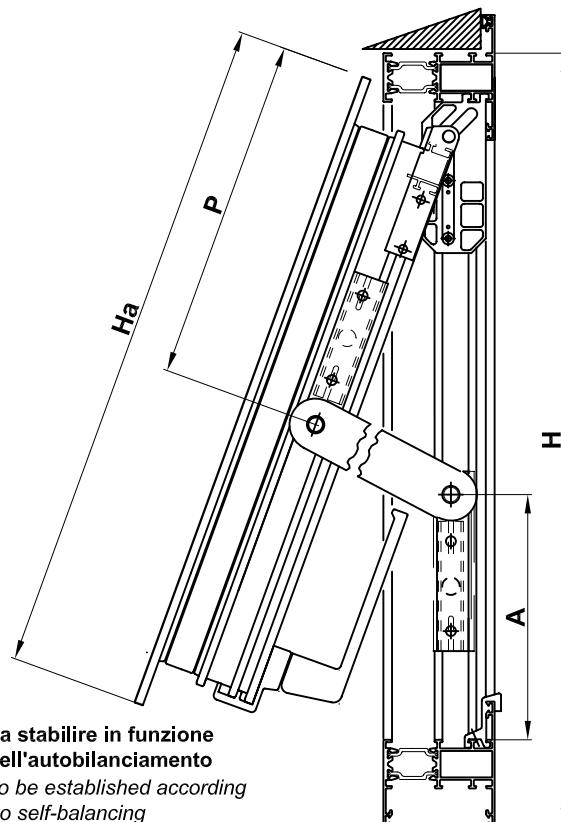


Per ulteriori informazioni chiedi lo schema di montaggio 80100057 (Alutec)

For further informations ask for the assembling scheme 80100057 (Alutec)



Art. 406.499.05



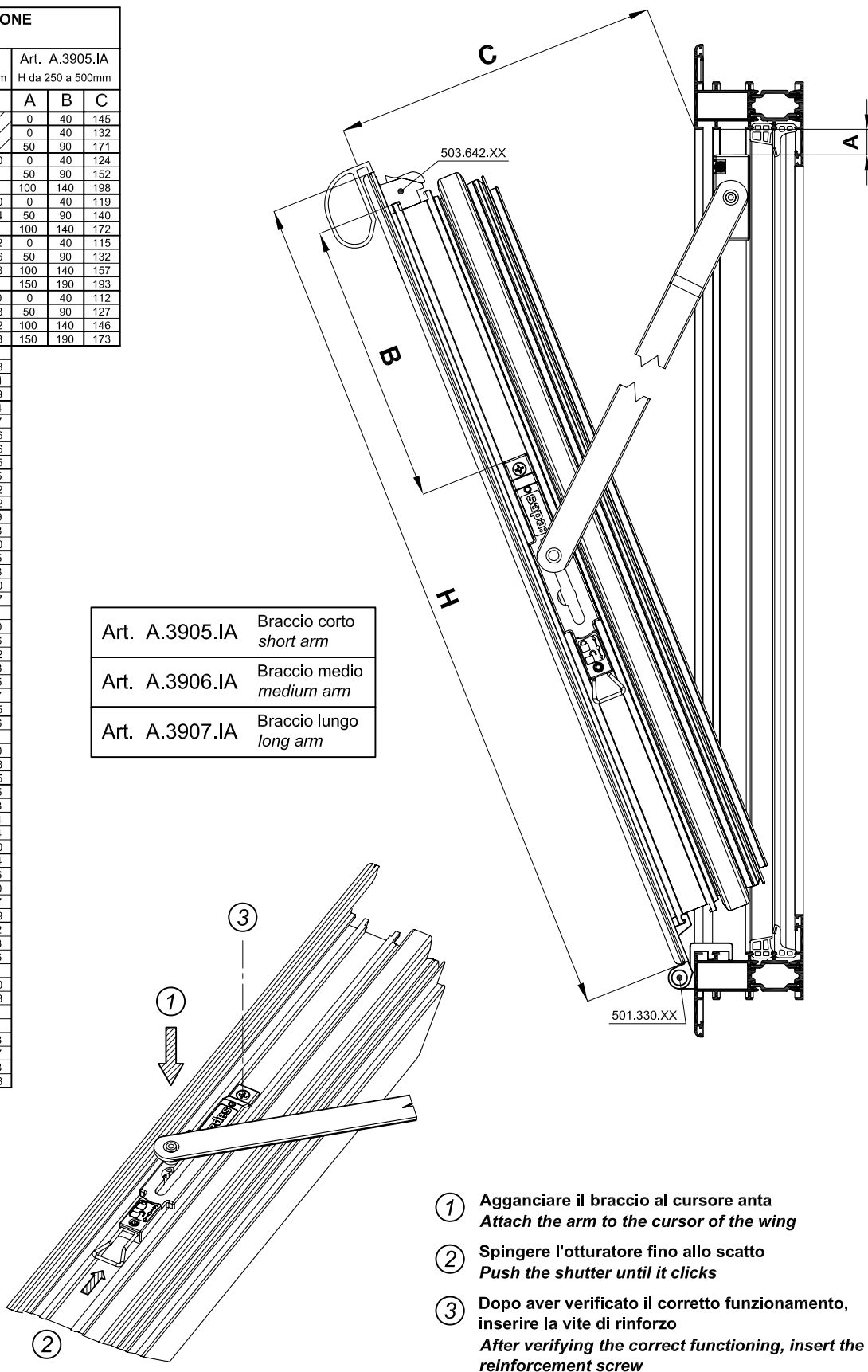
A = Da stabilire in funzione dell'autobilanciamento

A = To be established according to self-balancing

BRACCI SGANCIABILI AMMORTIZZATI PER VASISTAS
RELEASABLE AND AMORTIZED ARMS FOR VASISTAS

CAMPO DI APPLICAZIONE APPLICATION RANGE									
H	Art. A.3907.IA H da 1000 a 2000mm			Art. A.3906.IA H da 350 a 1600mm			Art. A.3905.IA H da 250 a 500mm		
	A	B	C	A	B	C	A	B	C
250							0	40	145
300							0	40	132
							50	90	171
350				0	150	250	0	40	124
							50	90	152
							100	140	198
400				0	150	220	0	40	119
				50	200	284	50	90	140
							100	140	172
450				0	150	202	0	40	115
				50	200	246	50	90	132
				100	250	318	100	140	157
							150	190	193
500				0	150	190	0	40	112
				50	200	223	50	90	127
				100	250	272	100	140	146
				150	300	353	150	190	173
550				0	150	181			
				50	200	208			
				100	250	244			
				150	300	299			
600				0	150	174			
				50	200	197			
				100	250	226			
				150	300	266			
				200	350	325			
700				0	150	165			
				100	250	202			
				200	350	262			
800				0	150	159			
				100	250	188			
				200	350	230			
900				0	150	155			
				100	250	178			
				200	350	210			
				300	450	257			
1000	0	340	238	0	150	151			
	100	440	278	100	250	170			
	200	540	334	200	350	196			
	300	640	421	300	450	232			
1100	0	340	229	0	150	148			
	100	440	261	100	250	165			
	200	540	305	200	350	187			
	300	640	366	300	450	215			
1200	0	340	223	0	150	146			
	100	440	250	100	250	161			
	200	540	284	200	350	180			
	300	640	332	300	450	203			
	400	740	400	400	550	235			
1300	0	340	217	0	150	145			
	100	440	240	100	250	158			
	200	540	270	200	350	174			
	300	640	308	300	450	194			
	400	740	359	400	550	220			
1400	0	340	213	0	150	144			
	100	440	233	100	250	156			
	200	540	258	200	350	170			
	300	640	290	300	450	187			
	400	740	331	400	550	209			
1500	0	340	209	0	150	142			
	100	440	227	100	250	153			
	200	540	249	200	350	166			
	300	640	276	300	450	181			
	400	740	310	400	550	200			
	500	840	354	500	650	223			
1600	0	340	200	0	150	141			
	100	440	223	100	250	151			
	200	540	242	200	350	163			
	300	640	265	300	450	177			
	400	740	294	400	550	193			
	500	840	330	500	650	213			
1700	0	340	204						
	100	440	219						
	200	540	236						
	300	640	257						
	400	740	282						
	500	840	312						
1800	0	340	201						
	100	440	215						
	200	540	231						
	300	640	250						
	400	740	271						
	500	840	298						
	600	940	330						
1900	0	340	199						
	100	440	212						
	200	540	227						
	300	640	243						
	400	740	263						
	500	840	286						
	600	940	315						
2000	0	340	198						
	100	440	210						
	200	540	223						
	300	640	243						
	400	740	263						
	500	840	286						
	600	940	315						

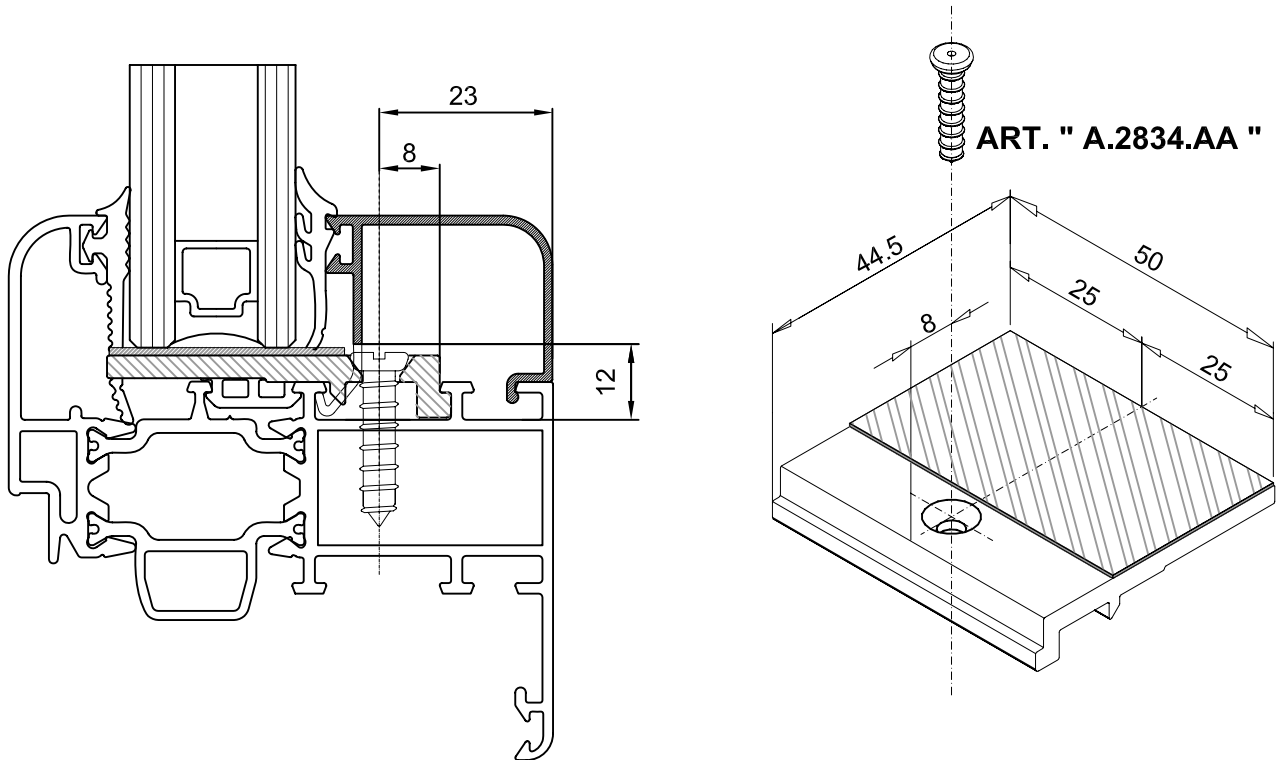
Art. A.3905.IA	Braccio corto short arm
Art. A.3906.IA	Braccio medio medium arm
Art. A.3907.IA	Braccio lungo long arm



- ① Agganciare il braccio al cursore anta
Attach the arm to the cursor of the wing
- ② Spingere l'otturatore fino allo scatto
Push the shutter until it clicks
- ③ Dopo aver verificato il corretto funzionamento, inserire la vite di rinforzo
After verifying the correct functioning, insert the reinforcement screw

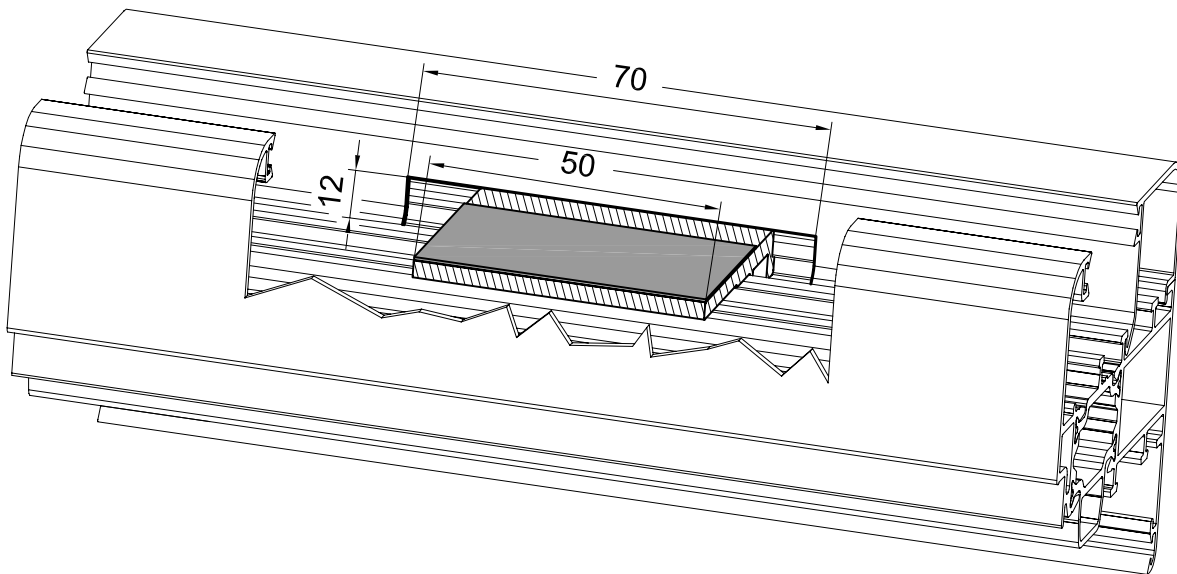
Per sganciare, eseguire l'operazione inversa.
To release, perform the inverse operation.

LAVORAZIONE PER MONTAGGIO APPOGGIO VETRO " A.2834.AA "
PROCESSING FOR INSERT GLASS SUPPORT " A.2834.AA "

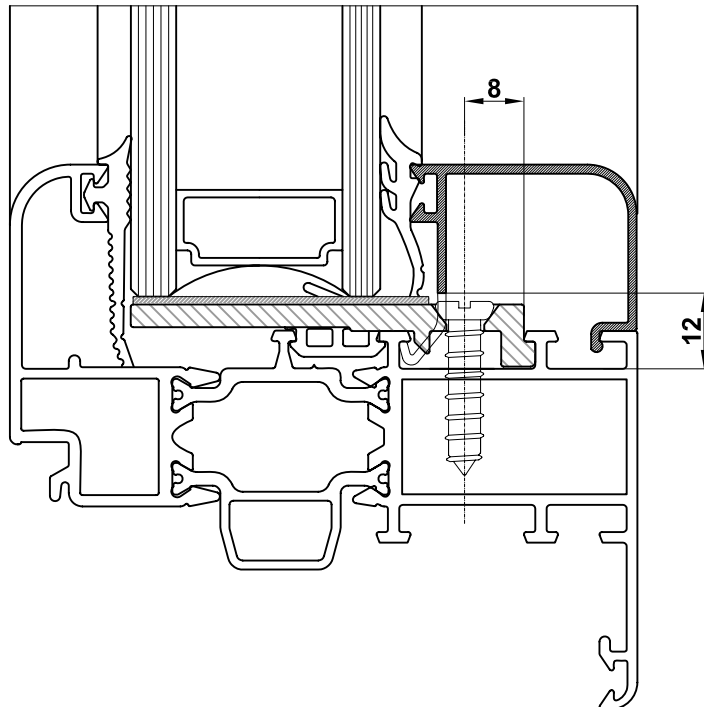


ART. " A.2834.AA "

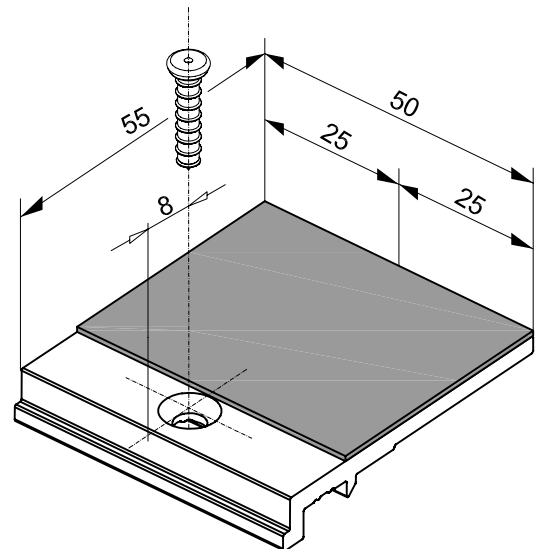
Inserire come da schema riportato a Pag. F3-H72-A-03
Insert see the scheme Pag.F3-H72-A-03



LAVORAZIONE PER MONTAGGIO APPOGGIO VETRO " A.2833.AA "
PROCESSING FOR INSERT GLASS SUPPORT " A.2833.AA "

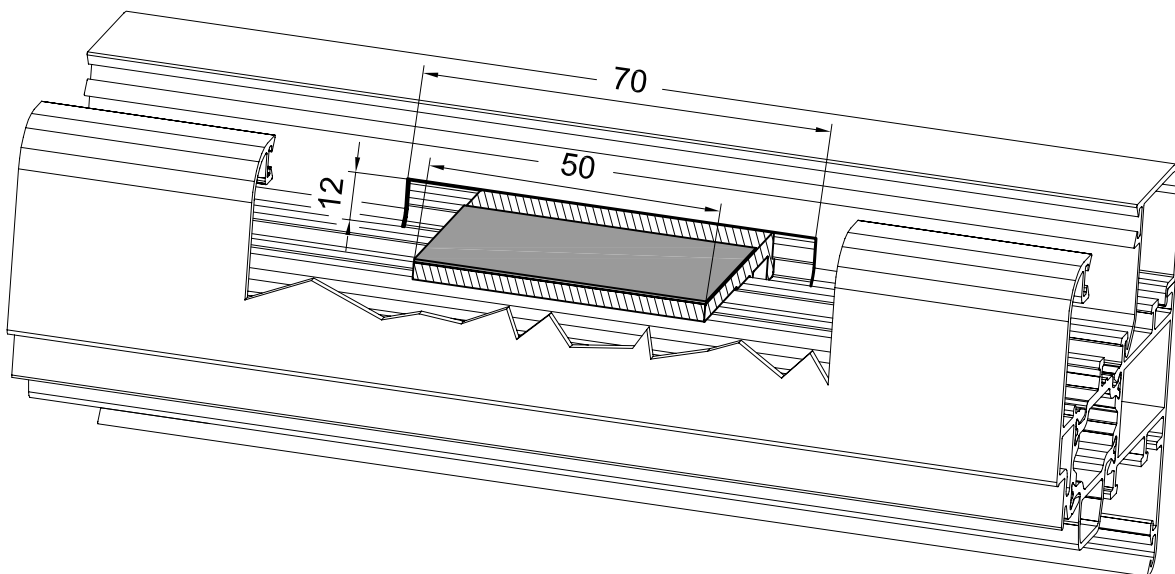


ART. " A.2833.AA "



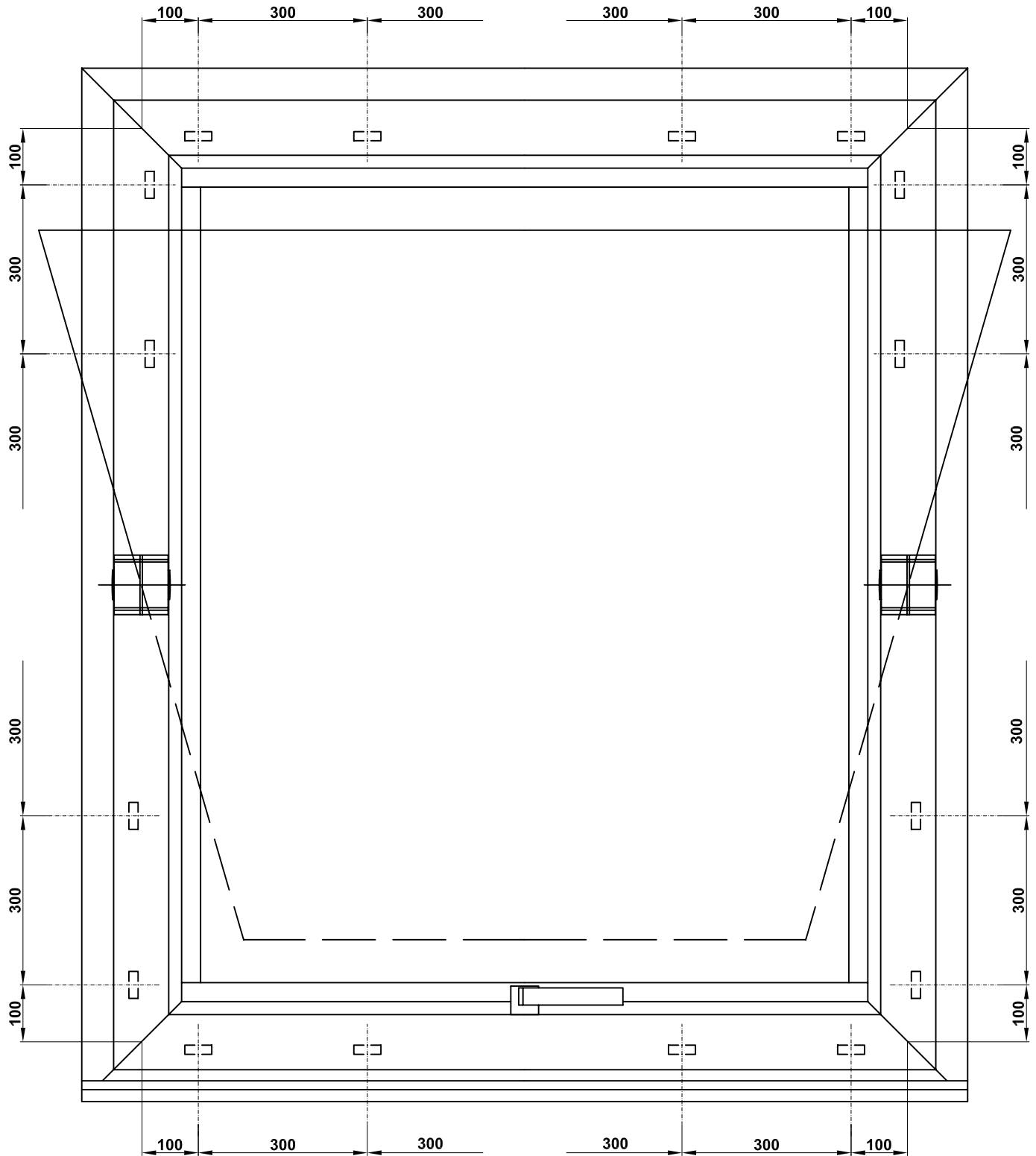
ART. " A.2833.AA "

Inserire come da schema riportato a Pag. F3-H72-A-03
Insert see the scheme Pag.F3-H72-A-03



POSIZIONAMENTO FISSAGGIO ART. 508.025.01
MOUNTING POSITION ART. 508.025.01

ART. 508.025.01



SEZIONI - TAPPO PER RIPORTO CENTRALE "R72C38"
SECTIONS - PLUG FOR CENTRAL FILLING "R72C38"

