

sapa:

R | 50
SYSTEM

Finestre e porte a battente
Casement windows and doors

About the Sapa Group

Sapa develops, manufactures and markets value added profiles, profile-based building systems and heat-exchanger strip in the light-weight material aluminium and is one of the world's leading manufacturers.

Sapa's business concept is based on close co-operation with its customers, who are primarily located in Europe, North America and Asia. The largest customer segments are the construction, transport, domestic and office, and engineering sectors.

Sapa is organised into six Business Areas: Profiles North Europe, Profiles Central Europe, Profiles South Europe, Profiles North America, Building System and Heat Transfer.

Sapa Profiles

Sapa is the world's leading producer of extruded aluminium profiles and maintains extensive operations in the value-added fabrication of profiles.

The company has 111 presses and more than 12.000 employees and production facilities in 18 countries: Belgium, China, Denmark, France, Germany, Hungary, Italy, Lithuania, Mexico, the Netherlands, Poland, Portugal, Romania, Slovakia, Spain, Sweden, the United Kingdom and the United States, plus sales representation in a number of additional countries.

With footprints in North and Central America, Europe and Asia we can serve customers on a worldwide basis.

Sapa Profili Srl

With 3 plants in Italy and the support of the rest of the group, Sapa Profili Srl is one of the largest extrusion companies within Italy.

Soft- and hard-alloy aluminium extrusions, standard rod and bars, seamless tube (round or shaped), simple or complex aluminium extrusion profiles (drawings), high fin ratio, tight tolerances with superior surface finish quality, or other demanding high-tech applications... There is a simple solution to almost any design problem: aluminium profiles by Sapa. The solutions are based on our unique experience in extrusion and our focus on the local market.

Sapa Profili Srl strategy is providing its customers with expertise, high quality and resources, releasing capacity to allow them to concentrate on their core operations. It's all about creating competitive, comprehensive solutions.

Il gruppo Sapa

Sapa sviluppa, produce e commercializza profili a valore aggiunto, profili per l'edilizia e scambiatori di calore in alluminio. Sapa è un leader tra i produttori nel mondo.

Un elemento determinante per il concetto di business di Sapa è la stretta collaborazione con il cliente maggiormente basati in Europa, Nord America ed Asia. I segmenti di mercato maggiori sono quelli dell'edilizia, il settore trasporti, casa ed uffici ed il settore della meccanica.

La Sapa è suddivisa in sei aree: Profili Nord Europa, Profili Europa centrale, Profili Sud Europa, Profili Nord America, Sistemi per l'edilizia ed il settore per gli scambiatori di calore.

Sapa Profili

Sapa è il maggior produttore di profili estrusi al mondo.

Questa nuova azienda dispone di 111 presse con oltre 12.000 dipendenti e con centri di produzione in 18 paesi: Belgio, Cina, Danimarca, Francia, Germania, Ungheria, Italia, Lituania, Messico, Olanda, Polonia, Portogallo, Romania, Slovenia, Spagna, Svezia, Gran Bretagna e negli stati uniti oltre ad avere rappresentanti commerciali in altri paesi.

Grazie alla presenza in America del Nord e Centrale, Europa ed Asia, possiamo servire i clienti in tutto il mondo.

Sapa Profili Srl

Con i 3 stabilimenti produttivi in Italia ed il supporto del resto del gruppo la Sapa Profili Srl diventa uno dei maggiori estrusori in Italia.

Estrusioni di alluminio in lega leggera o dura, profili standard o barrame, tubi tondi o a disegno senza saldature, profili estrusi semplici o complessi a disegno, elevato rapporto di alettatura, tolleranze ristrette con qualità superficiale elevata o qualsiasi altra esigenza per applicazioni high tech... esiste una semplice soluzione a quasi tutte le esigenze di design: profili in alluminio Sapa. Le soluzioni basano sulla nostra esperienza unica e focalizzata sul mercato locale..

La strategia di Sapa Profili Srl è quella di fornire al cliente competenza, qualità superiore e risorse, per permettere loro di concentrarsi sulle proprie operazioni essenziali. Plasmiamo il futuro creando soluzioni comprehensive e competitive.

sapa:



Innovation and Experience: Sapa keys to Build The future

Since its beginnings Sapa has been recognized as an innovator. Through the years, we've balanced experience with innovation. We've listened to our customers, and we are dedicated to providing the tools our customers need to succeed.

Following this spirit, in the market of B&C Sapa offers a comprehensive line of architectural aluminum building products and systems for residential and non-residential buildings framing systems, windows and curtain wall systems.

Due to the accurate product design, in the B&C market, the Sistema R allows the realization of windows and doors with the less possible manufacturing, reducing so the assembling time and achieving the best quality.

This system is present in the South European market since more than 20 years and has allowed Sapa to renovate it constantly with the experience acquired. In this way the Sistema R, the most widespread for windows and doors on the Italian market, has evolved with the most advanced esthetical and technological contents, as to satisfy all planning demands.

For this reason Sapa has realized, within the Sistema R, four continuous bar thermal break series with different sections and performances, all defined in dimensional, technological and esthetical versatility.



Innovazione ed esperienza: le chiavi Sapa per costruire il futuro.

Fin dalle sue origini, Sapa è stata riconosciuta come innovatrice. Attraverso gli anni, abbiamo equilibrato l'esperienza con l'innovazione. Abbiamo ascoltato i nostri clienti e ci siamo dedicati a fornir loro i mezzi necessari per avere successo.

Seguendo questo spirito, nel mercato dell'edilizia, Sapa offre una completa linea di prodotti architettonici in alluminio e sistemi strutturali per edifici residenziali e non, finestre e pareti divisorie.

Nel mercato dell'edilizia, Il sistema R, grazie all'attenta progettazione, consente di realizzare serramenti in alluminio con il minor numero di lavorazioni possibili, riducendo i tempi di assemblaggio nel rispetto della migliore qualità.

La pluri decennale presenza sul mercato sud europeo di questo sistema ha permesso a Sapa di rinnovarlo costantemente nel tempo utilizzando l'esperienza acquisita negli anni. In questo modo il sistema R, il più diffuso e venduto, per porte e finestre, sul mercato italiano, si è arricchito dei più avanzati contenuti estetici, tecnologici e funzionali atti a soddisfare tutte le esigenze costruttive e progettuali.

Per questo Sapa ha realizzato, all'interno del sistema R, quattro serie di profilati a taglio termico a barra continua con diverse sezioni e prestazioni, tutte caratterizzate da polivalenza dimensionale, tecnologica ed estetica.

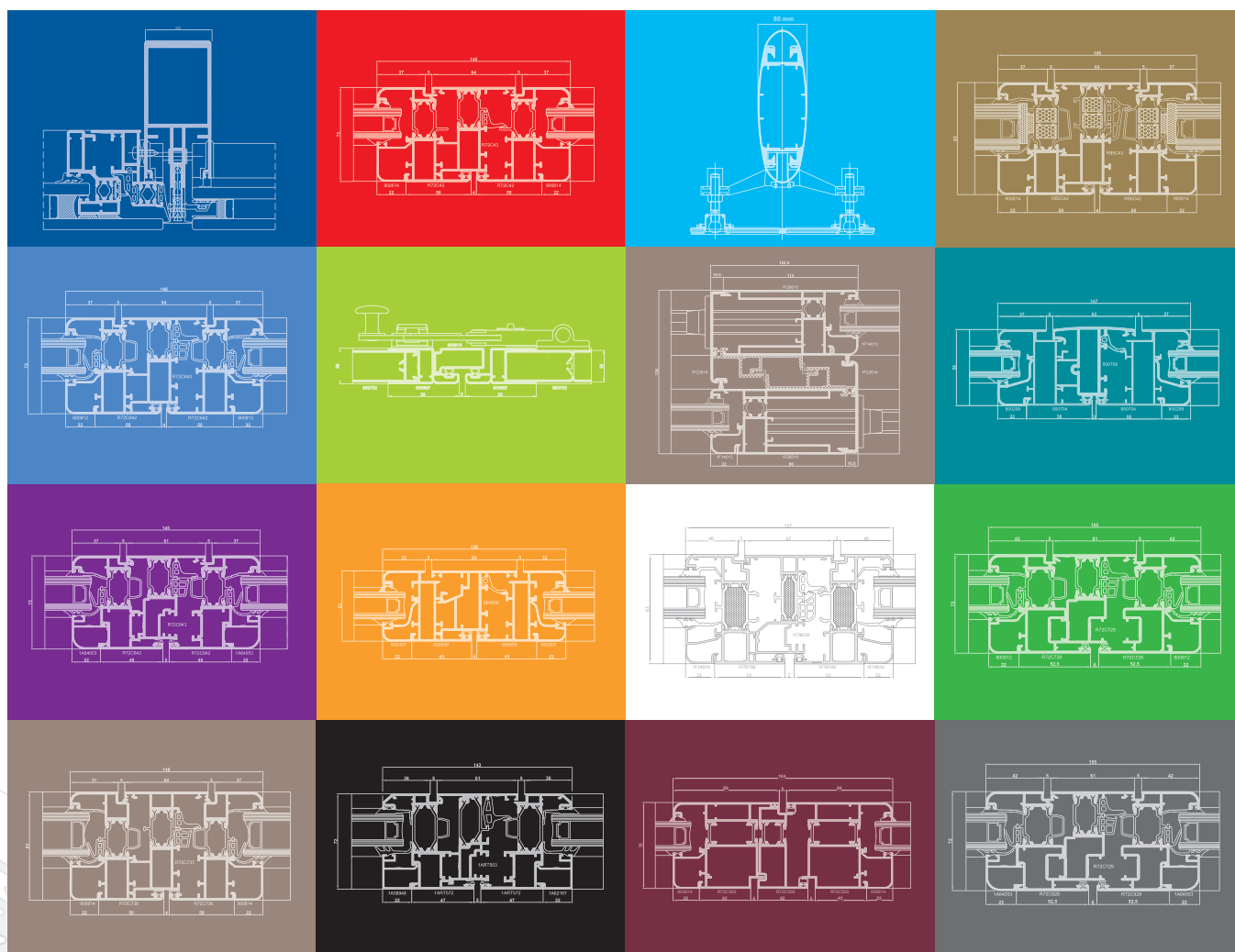
sapa:



R 50
SYSTEM

Original Systems®
sapa:

Le serie dei sistemi di Sapa



Scegliere con **serenità**

sapa:
Creiamo il futuro

sapa:

Original Systems®

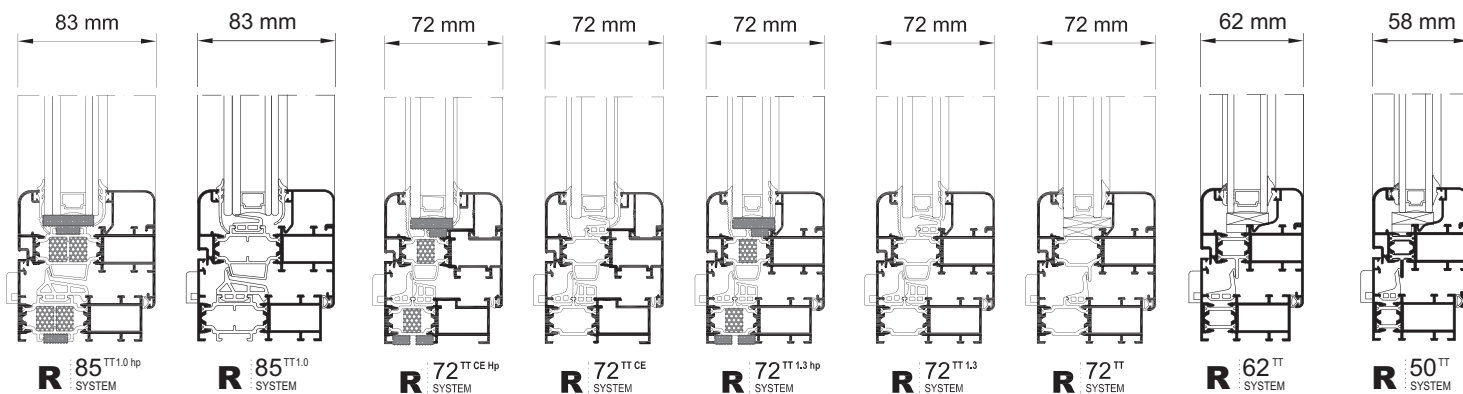
... scegliere con serenità

Original Systems Sapa non è soltanto un profilo in alluminio: è una soluzione completa per tutti gli attori della filiera, con l'obiettivo di fornire il miglior prodotto, col più alto valore aggiunto, dalla bauxite al serramento.

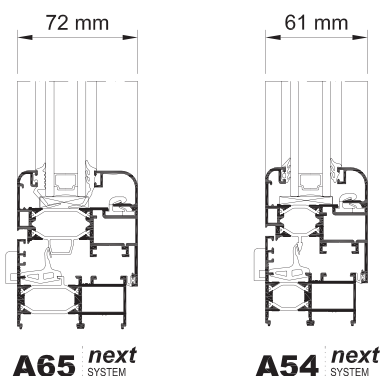
L'assistenza tecnica pre e post vendita, i certificati delle prestazioni dei serramenti, la formazione della Scuola del Serramento di Bareggio (MI), i software di calcolo, le soluzioni Autocad, gli opuscoli tecnici, i cataloghi, la comunicazione ed una capillare e competente Rete di Distribuzione Original Systems Sapa vi danno la serenità di aver fatto la scelta migliore.

soluzioni Original Systems®

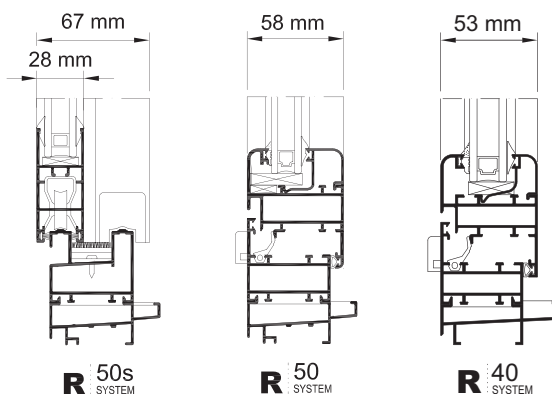
Sistema R^{TT}



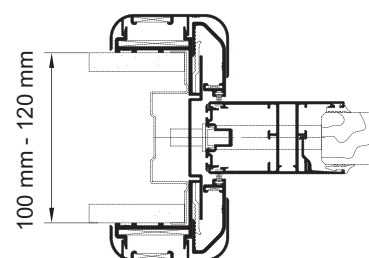
Alfil *next*



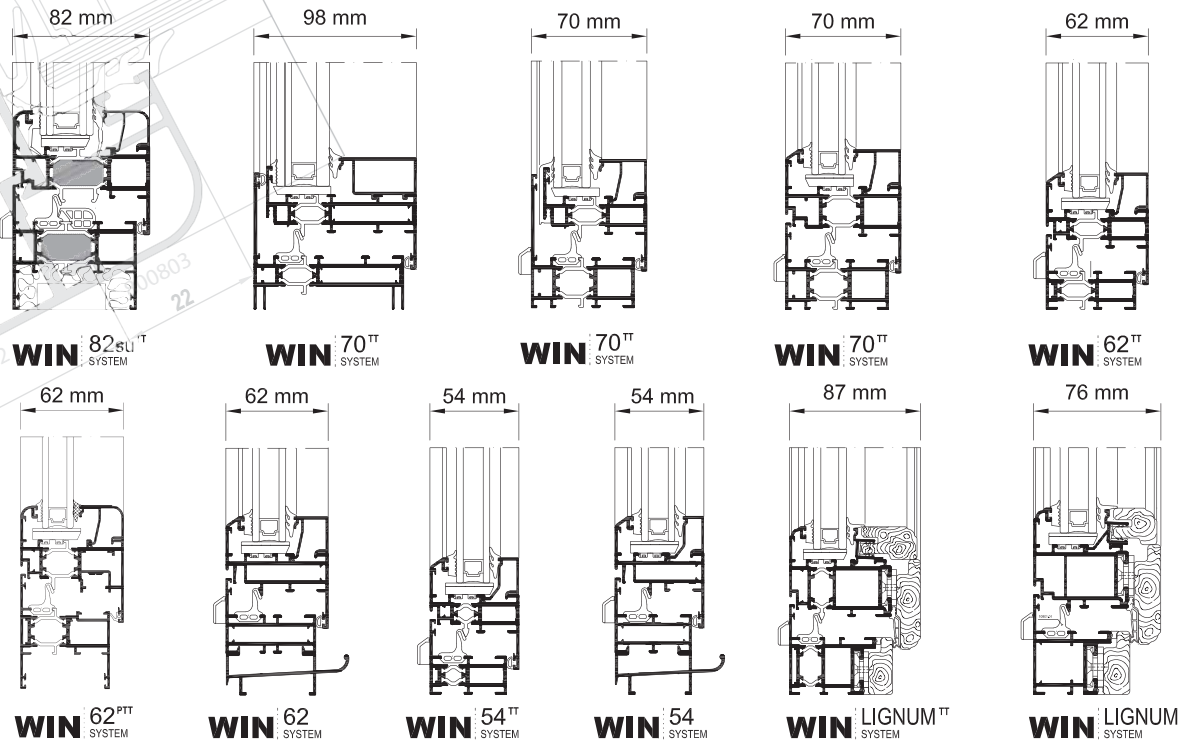
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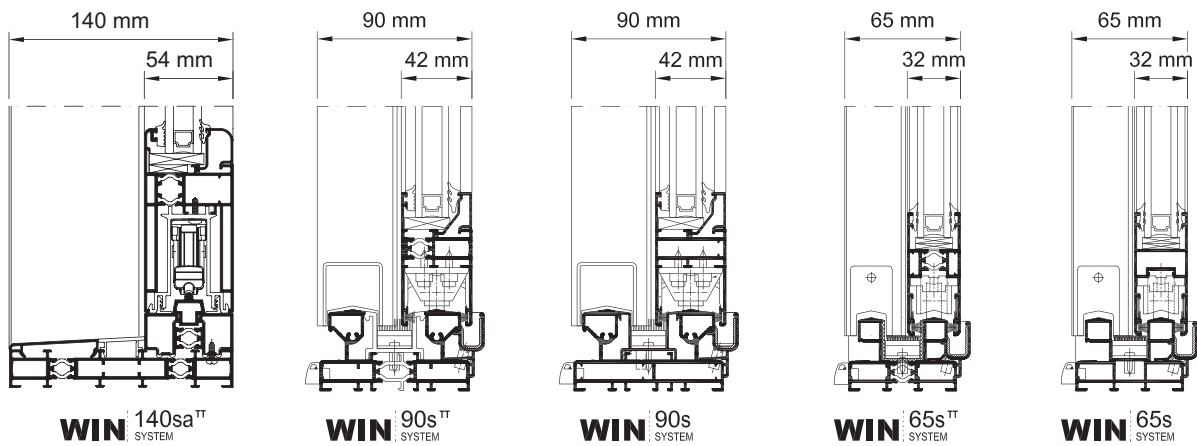
Mr. Hide SYSTEM



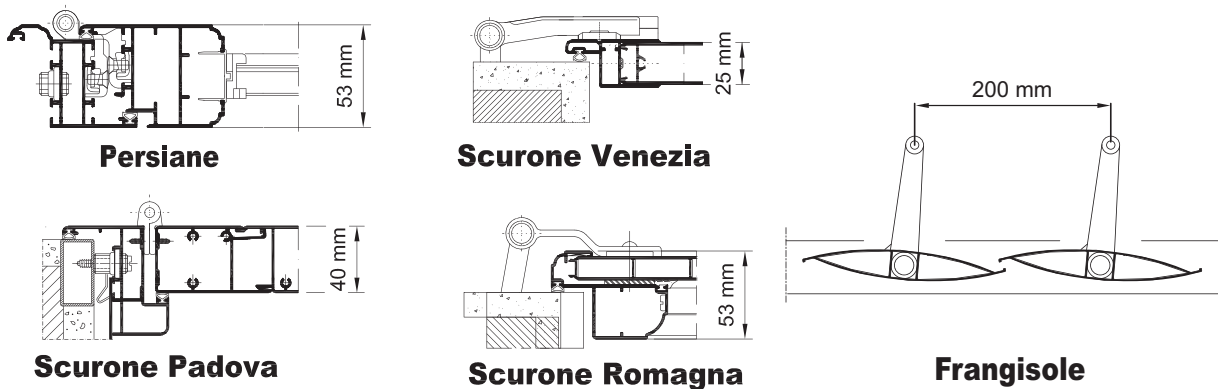
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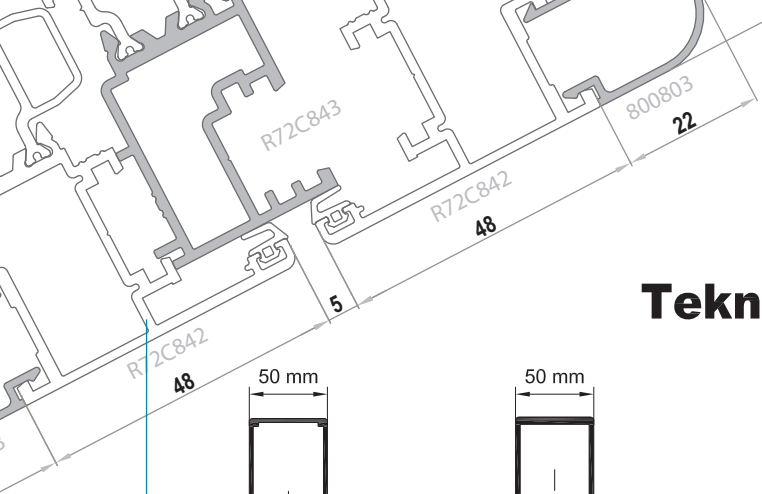


Teknowindow Scorrevole

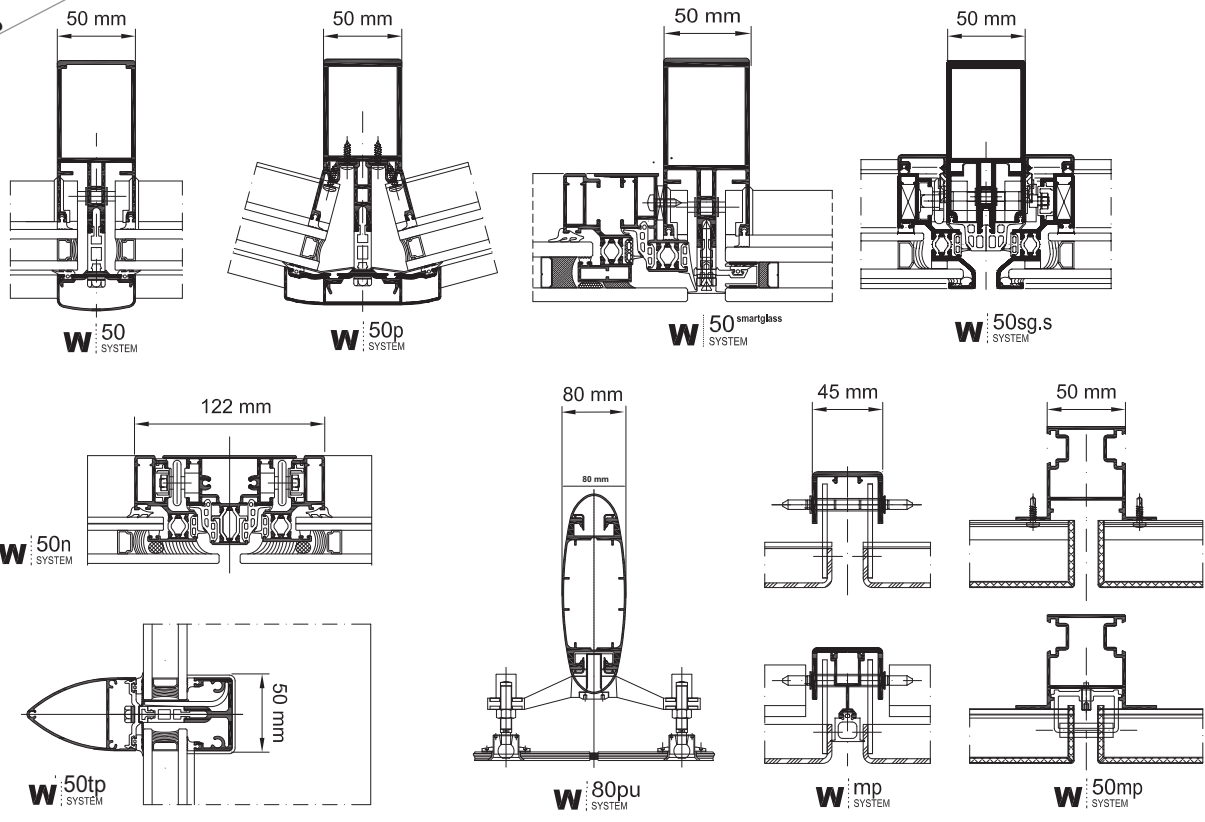


Sistemi Oscuranti

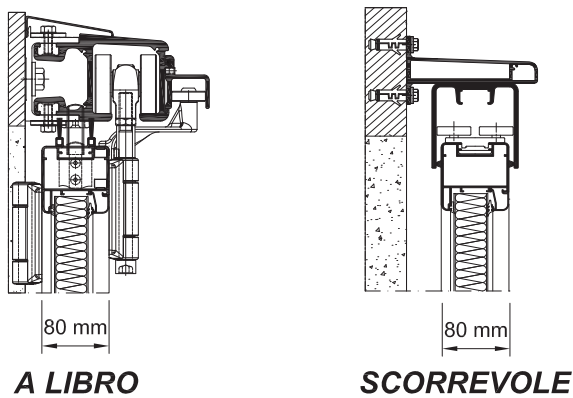




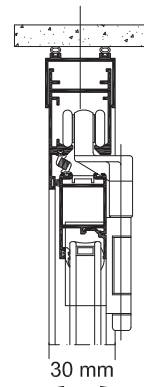
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Portoni

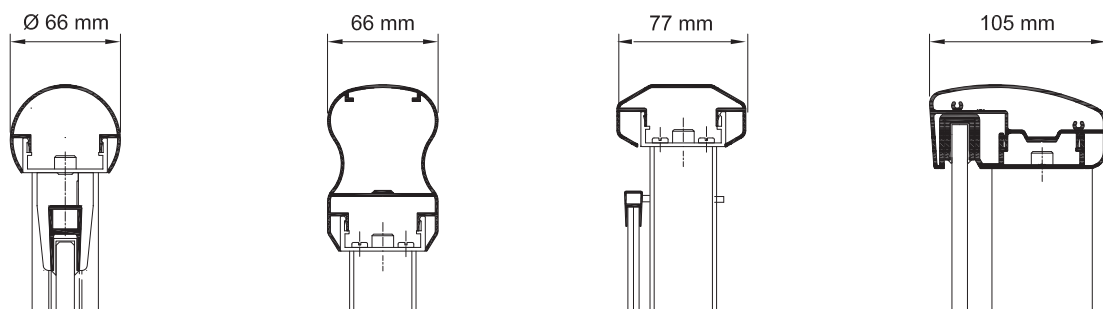


Veranda a Libro



GR 14 SYSTEM

plus® SYSTEM



RINGHIERE E BALCONI

Il sistema R50

R50, grazie ad un'attenta progettazione, consente di realizzare un serramento in alluminio con il minor numero di lavorazioni possibili, riducendo i tempi di assemblaggio nel rispetto della migliore qualità

Nelle prove di collaudo, il serramento realizzato con il sistema R50 ottiene elevate prestazioni perchè contiene tutte le innovazioni tecnologiche che hanno interessato il campo dei serramenti. Con il sistema R50 si realizzano serramenti a battente nelle diverse tipologie.

I profilati

Sono 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 la Normativa UNI EN 755-2 (bonifica con tempra in aria alla pressa, seguita da invecchiamento artificiale) per ottenere lo stato fisico T5.

The R50 system

The R50 system was designed to cut tooling and assembling time in the production of aluminium doors and windows at top quality standards.

The test results obtained on the R50 systems show excellent figures owing to the most advanced technological achievements in this field over the last few years.

Casement windows and doors are successfully manufactured by using the R50 system.

The section bars

They are extrusions in primary aluminium alloy from EN AW 6060 UNI -EN 573-3 plastic manufacturing, subjected to a thermic treatment process, 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.

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

Leghe / Alloys		6060 UNI EN 573-3				
Composizione chimica normale / Normal chemical compos		Mg 0,4 Si 0,4 Fe 0,2				
Stato / State		0	T1	T5	T6	
Caratteristiche meccaniche <i>Mechanical Characteristics</i>	Carico di rottura a trazione <i>Ultimate tensile stress</i>	R _m N/mm ²	140 Max	120	185	205
	Carico al limite di snervamento <i>Yield point</i>	R _p N/mm ²	80 Max	50	145	165
	Allungamento <i>Elongation</i>	A %	20	16	11	10
Caratteristiche fisiche <i>Physical Characteristics</i>	Peso specifico <i>Specific weight</i>	Kg/dm ³	2,70			
	Conduttività termica a 20°C <i>Heat conductivity at 20°C</i>	Wl (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			

Tolleranze dimensionali

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

Dimensional allowance

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

Peso dei profilati

Tutti 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 al limite delle tolleranze dimensionali):

Weight

Any weight is shown just as an indication (theoretical weight made out of the nominal thickness of the section bar) The extrusion matrixes are subjected to the natural wear and tear, which leads the extrusion weight from a minimum weight (new matrix) to a maximum weight (matrix at the highest level of dimensional allowance).

Trattamenti superficiali

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

Surface treatments

The surface treatments of anodic oxidation, electrocoloration and painting carried out in Sapa Italy premises, take place according to the regulations required by the brands: Qualanod(for oxidation) and Qualicoat (for painting).

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 di 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.

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 dei vetri aventi spessori da 4 a 38 mm.

Le guarnizioni di contenimento vetro sono EPDM studiate in vari spessori che, interpolati nel modo idoneo, garantiscono un'adeguata compressione sulla lastra di vetro stessa.

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 profilato fermavetro e la garanzia di durata agli sforzi di normale utenza.

Accessori e guarnizioni:

Originali e marcati Sapa, con corpo in lega di alluminio, perni e viteria in acciaio inox, le boccole e i particolari di scorrimento sono in poliammide rinforzato.

Le guarnizioni in EPDM sono state studiate con durezza differenti secondo la funzione che dovranno svolgere all'interno del serramento.

Realizzazione del serramento

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.

Attrezzature:

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

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.

Fastenings top dimensions

In the definition of the top dimensions of the different sorts of fastening, it has to be taken into account, besides the structural elements of the frame (section, uses, juncture to the wall, thickness and sort of glass) the utilization features 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.)

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

Glass:

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

The System allows to insert glasses whose thickness may be from 4 to 38 mm .

The packing for the glass containment is in EPDM, conceived in different thickness. If interpolated in the right way, it assures the proper compression to the sheet of glass. The plugging will be carried out through proper adjusting and shimming plugs, lacated in ideal and reinforced positions in the fastening.

Only the full keeping of the glass technique will assure the proper click of the glass-clip section bar and will guarantee a long term resistance to the normal uses.

Accessories and packing:

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.

Assembly of window

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.

Equipment:

The suggested equipment (Comal and Tekna) has been specifically planned and realized according to the particular features of the system and to the specific application of the catalogue accessories.

NB:

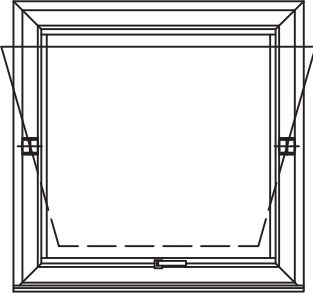
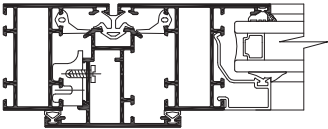

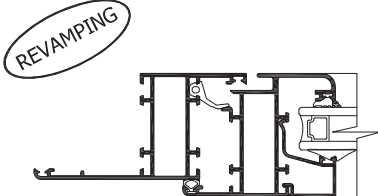
Sapa declines any responsibility in case of use or partial use of non original products.

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.

Per garantire il massimo delle prestazioni in funzionalità e durata, il sistema R50 è stato sottoposto ai collaudi prescritti dalle vigenti Normative europee ottenendo ottimi risultati

To guarantee the maximum functionality and wear, R50 system has been tested according to the running european norms.

CERTIFICATI		CERTIFICATES				
Tipologia <i>Windows and doors</i>	Dimensioni <i>Dimensions</i> L x H mm	Risultati prove <i>Test values</i>			Sezioni <i>Cross section</i>	Laboratorio <i>Testing Lab.</i> Certificato N° <i>Certificate Nr.</i>
		Aria <i>Air</i>	Acqua <i>Water</i>	Vento <i>Wind</i>		
	1800 x1800	A3*	E4*	V2*		ISTEDIL 1421/89H
	1300 x1500	4**	E750**	C5**		ISTEDIL 0585/2007-A

* - Collaudi eseguiti secondo Normative UNI 7979 EN42 EN86 EN77

** - Collaudi eseguiti secondo Normative UNI EN 12207 - UNI EN 12208 - UNI EN 12210

* - Tests as per UNI 7979 EN42 EN86 EN77 standards

** - Tests as per UNI EN 12207 - UNI EN 12208 - UNI EN 12210 standards

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







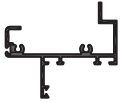
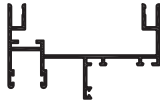

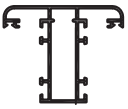



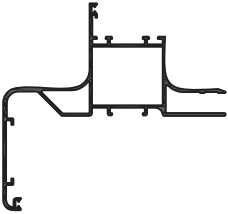
Per una corretta installazione, manutenzione e pulizia dei serramenti, Vi preghiamo di consultare le prescrizioni riportate sulle seguenti note tecniche UNCSAAL:
UX42 - "Guida alla posa in opera dei serramenti"
UX10 - "La pulizia delle superfici di serramenti e facciate continue"


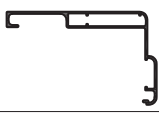
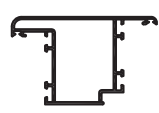
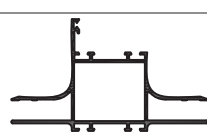
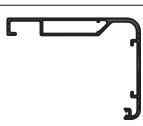
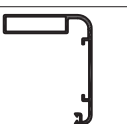
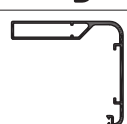
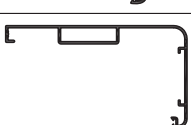



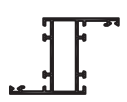


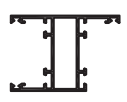
A correct installation, often avoids the decay of the performances obtained in the laboratory. Taking appropriate care of the installation increases the value of the whole production process from the planning to the installation.



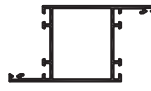
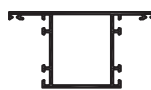





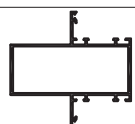
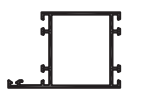


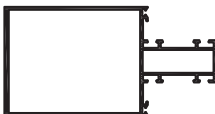

Cleaning periodically with neutral products reduces remarkably the corrosion risk and extends surely the life of the frame.



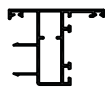
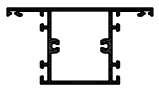
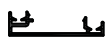

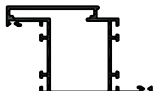




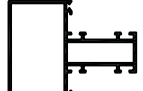
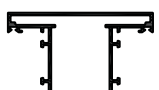
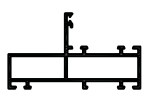

For a correct installation, maintenance and cleaning of the sections, please refer to the prescriptions quoted in the following technical notes of UNCSAAL UX42 and UX10









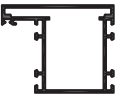










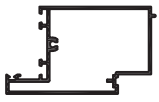

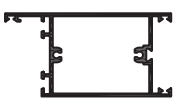




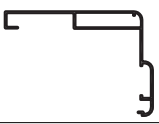

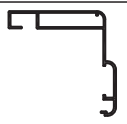
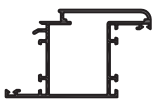

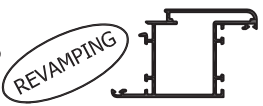
Profilato Section	Sezione Cross section 	Peso Weight Kg/m	Perimetro Perimeter mm	Superficie in vista Exposed surface m ² /m	Jx cm ⁴	Wx cm ³	Jy cm ⁴	Wy cm ³
100009		0,234	84	0,030	0,12	0,16	0,43	0,36
100532		0,248	150	0,051	0,08	0,11	1,71	0,78
100535		0,577	197	0,063	1,41	1,09	2,58	1,29
201035		0,165	61	0,026	0,06	0,09	0,17	0,14
201048		2,280	659	0,149	115,04	22,70	96,09	13,66
201058		1,130	453	0,079	5,93	1,85	26,34	6,98
201062		1,646	699	0,096	12,81	3,94	80,72	14,73
800291		0,629	231	0,080	0,70	0,80	17,20	3,45
800338		1,285	476	0,126	19,29	5,37	14,22	3,95
800469		0,685	169	0,062	5,79	1,94	6,69	2,47
800470		0,589	236	0,060	9,20	2,97	3,94	1,13
800670		2,875	634	0,378	400,89	38,16	45,90	17,57
800724		2,676	822	0,270	82,46	11,11	197,96	23,43



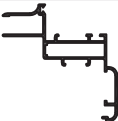

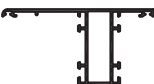
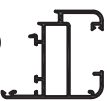

Profilato Section	Sezione Cross section 	Peso Weight Kg/m	Perimetro Perimeter mm	Superficie in vista Exposed surface m ² /m	Jx cm ⁴	Wx cm ³	Jy cm ⁴	Wy cm ³
800726		1,420	462	0,202	28,02	4,80	87,33	11,24
800736		1,525	444	0,150	25,70	7,31	35,32	6,90
800751		2,090	686	0,157	27,72	5,49	86,63	13,02
800759		1,354	459	0,185	30,11	4,81	58,98	10,56
800760		1,043	354	0,146	25,57	5,03	15,47	3,81
800761		1,193	389	0,165	27,99	5,17	32,19	9,02
800762		1,563	529	0,222	32,63	4,71	120,50	14,52
800766		1,130	453	0,079	5,93	1,85	26,34	6,98
800822		0,228	128	0,062	0,22	0,17	1,39	0,70
900033		0,502	237	0,043	0,44	0,44	5,35	1,97
900042		1,064	382	0,110	14,88	5,95	9,87	2,74
900043		1,064	382	0,110	13,42	4,32	9,86	2,74
900044		0,929	319	0,083	11,64	4,09	5,71	1,78
900045		1,204	442	0,137	17,38	6,28	13,13	3,37





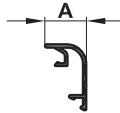




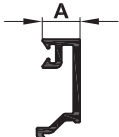
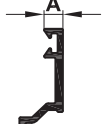


Profilato Section	Sezione Cross section 	Peso Weight Kg/m	Perimetro Perimeter mm	Superficie in vista Exposed surface m ² /m	Jx cm ⁴	Wx cm ³	Jy cm ⁴	Wy cm ³
900047		2,157	553	0,282	33,18	11,85	169,15	21,41
900074		1,307	427	0,158	19,74	7,90	28,92	6,03
900076		1,307	427	0,158	18,58	6,21	28,95	6,03
900084		0,629	323	0,049	1,15	0,75	10,92	3,06
900087		2,122	525	0,275	33,06	12,47	162,71	20,87
900098		0,470	224	0,040	5,28	1,66	1,23	0,57
900102		0,397	193	0,070	0,62	0,53	3,99	1,32
900106		0,262	152	0,062	0,09	0,09	1,99	0,95
900118		2,033	525	0,258	37,75	15,80	84,55	7,86
900119		1,172	366	0,131	16,62	5,99	20,56	4,72
900121		0,559	291	0,060	13,63	4,10	1,11	0,68
900122		0,454	231	0,050	6,86	2,56	0,63	0,35
900132		2,638	561	0,290	62,83	27,40	212,06	17,40
900141		2,157	553	0,282	33,90	13,56	169,17	21,41


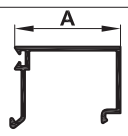
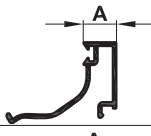

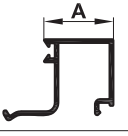
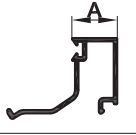


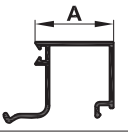

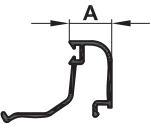
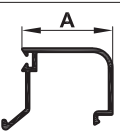
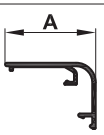
Profilato Section	Sezione Cross section 	Peso Weight Kg/m	Perimetro Perimeter mm	Superficie in vista Exposed surface m ² /m	Jx cm ⁴	Wx cm ³	Jy cm ⁴	Wy cm ³
900151		0,205	67	0,020	0,03	0,07	0,41	0,36
900153		0,977	377	0,097	11,53	3,79	7,86	2,30
900161		1,477	429	0,158	18,77	6,39	30,73	6,40
900162		0,370	202	0,070	0,16	0,17	4,11	1,46
900171		0,656	301	0,063	3,26	1,16	7,57	2,27
900183		1,620	446	0,166	29,66	9,71	38,41	7,43
900184		2,565	564	0,283	49,78	15,83	221,60	28,88
900185		2,646	567	0,298	49,97	14,97	245,92	31,13
900187		3,370	262	0,000	36,91	9,17	36,91	9,17
900190		1,234	442	0,118	20,91	7,06	12,77	3,36
900191		1,898	456	0,188	32,42	11,57	56,11	9,01
900197		1,760	443	0,174	28,87	7,92	49,34	10,28
900248		1,318	405	0,092	6,86	2,05	35,32	7,86
900295		1,328	392	0,113	18,20	4,86	14,71	4,40

Profilato Section	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
900312		1,077	447	0,190	22,33	3,87	50,45	6,99
900313		0,764	289	0,130	17,63	3,46	6,51	2,01
900314		0,956	387	0,160	20,59	3,72	22,86	4,41
900316		0,213	133	0,068	0,04	0,05	2,38	0,93
900317		0,850	312	0,055	5,58	1,49	9,93	2,99
900318		0,786	285	0,052	4,39	1,14	7,25	2,44
900319		0,413	138	-	3,60	1,34	0,06	0,08
900379		1,528	381	0,139	26,18	7,69	31,51	7,63
900380		1,269	504	0,118	20,73	3,94	31,22	6,35
900389		0,319	162	0,067	0,72	0,37	3,00	0,94
900390		0,286	104	0,030	0,15	0,20	0,58	0,44
900408		0,489	260	0,055	1,26	0,56	10,26	2,34
900416		0,969	346	0,074	9,54	3,23	7,17	2,16
900424		0,219	93	0,037	0,12	0,14	0,57	0,48

Profilato Section	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
900427		3,305	357	0,000	59,12	12,78	59,12	12,78
900480		1,652	381	0,161	55,05	10,87	28,76	9,12
900488		1,150	380	0,110	13,55	4,42	9,95	2,73
900489		1,677	431	0,183	23,40	8,69	51,48	9,34
900490		1,107	396	0,118	18,23	5,90	10,12	2,77
900525		1,037	217	0,096	14,04	5,10	14,04	5,10
900580		0,227	117	0,057	0,05	0,06	1,48	0,65
900586		1,227	437	0,110	20,70	7,06	12,38	3,27
900600		1,102	441	0,186	23,98	4,26	51,36	7,21
900601		0,820	302	0,136	19,42	3,87	10,88	2,83
900602		0,980	381	0,156	21,97	4,08	24,66	4,88
900697		1,619	453	0,150	29,32	9,64	37,90	7,41
900704		1,209	434	0,109	20,25	6,98	11,97	3,14
900705		1,606	445	0,149	28,98	9,53	37,17	7,23

Profilato Section	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
900706		1,054	413	0,087	12,52	4,05	8,86	2,49
900708		1,282	505	1,118	21,57	4,21	31,00	6,22
900709		1,204	440	0,136	17,50	6,30	23,40	4,06
900710		1,204	440	0,136	14,89	4,49	23,40	4,06
900716	 <i>REVAMPING</i>	1,239	456	0,150	20,98	6,48	12,96	3,30
1F14077		0,494	197	0,087	2,76	0,97	1,67	1,13

Profilato Section	Sezione Cross section 	A mm	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
600027		22,5	0,181	115	0,041	—	—	—	—
800200		—	0,340	125	0,030	—	—	—	—
800299		19	0,303	185	0,041	—	—	—	—
800313		14	0,145	93	0,040	—	—	—	—
800339		19	0,170	108	0,044	—	—	—	—
800340		22,5	0,313	192	0,044	—	—	—	—
800497		—	0,338	173	0,057	—	—	—	—
800753		11	0,294	176	0,030	—	—	—	—
800851		10	0,231	109	0,035	—	—	—	—
800873		5	0,186	87	0,029	—	—	—	—
800874		2	0,183	71	0,026	—	—	—	—
900051		31	0,330	194	0,053	—	—	—	—

Profilato Section	Sezione Cross section 	A mm	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
900052		35	0,335	201	0,057	—	—	—	—
900241		11	0,305	186	0,033	—	—	—	—
900242		19	0,320	192	0,041	—	—	—	—
900243		23	0,329	201	0,045	—	—	—	—
900315		15	0,315	190	0,037	—	—	—	—
900375		—	0,106	75	0,020	—	—	—	—
900376		—	0,176	115	0,040	—	—	—	—
900498		26	0,329	201	0,048	—	—	—	—
900530		17	0,276	114	0,039	—	—	—	—
900615		14	0,293	180	0,037	—	—	—	—
900616		30	0,312	185	0,052	—	—	—	—
900617		30	0,219	129	0,052	—	—	—	—

Gli accessori originali Sapa, specifici del sistema, sono gli unici che garantiscono nel tempo la qualità del prodotto finale

The original Sapa accessories, specifically designed for the system, are the only ones that guarantee quality of end products through time

AVVERTENZA
NOTE

Per gli articoli indicati con ^(xxx) è possibile scegliere tra diversi produttori, tali articoli sono comunque forniti da Sapa. Le combinazioni possibili sono le seguenti:

For the articles indicating ^(xxx) there is the possibility to choose between different manufacturers although the goods will be supplied by Sapa. Here following the different combinations:

(ABP) - Prodotte da ALUTEC, BMP e PRODUCTA.
(AB) - Prodotte da ALUTEC e BMP.
(AP) - Prodotte da ALUTEC e PRODUCTA.
(BP) - Prodotte da BMP e PRODUCTA.

*(ABP) - Produced by ALUTEC, BMP and PRODUCTA.
(AB) - Produced by ALUTEC and BMP.
(AP) - Produced by ALUTEC and PRODUCTA.
(BP) - Produced by BMP and PRODUCTA.*

Per ordinare tali prodotti, è necessario inserire al termine del codice i seguenti numeri:

To order the articles you will need to indicate following numbers at the end of the code:

01 - Per BMP

01 - For manufacturer BMP

02 - Per ALUTEC

02 - For manufacturer ALUTEC

03 - Per PRODUCTA

03 - For manufacturer PRODUCTA

Esempio: Art. G.0135.EN ^(ABP) La scelta può essere fatta tra BMP (ordinando il codice G.0135.EN.01), ALUTEC (codice G.0135.EN.02) e PRODUCTA (codice G.0135.EN.03).

Example: Article G.0135.EN ^(ABP) the choice may be between BMP (ordering art. G.0135.EN.01), ALUTEC (ordering art. G.0135.EN.02) and PRODUCTA (ordering art. G.0135.EN.03).

Es.2: Art. G.0135.EN ^(AB) La scelta può essere fatta tra BMP (ordinando il codice G.0135.EN.01) ed ALUTEC (codice G.0135.EN.02).

Example n°2: Article G.0135.EN ^(AB) the choice may be between BMP (ordering art. G.0135.EN.01) and Alutec (ordering art. G.0135.EN.02)

Il codice di alcuni accessori comprende due lettere tra parentesi (xx) ciò significa che all'atto dell'ordine occorre specificare la finitura sostituendo le xx con i numeri riportati nella seguente tabella.

In some of the accessory codes you will find 2 letters in brackets (xx), this means that when you will order these articles you will have to specify the finishing replacing the xx with the numbers listed here below:

01=grezzo
02=ossidato argento
03=ossidato bronzo
04=elettrocolore testa di moro
05=ossidato nero
08=ossidato oro lucido
24=PVD oro
28=PVD inox satinato
60=verniciato bianco RAL 9010
61=verniciato avorio RAL 1013
62=verniciato crema RAL 9001
65=verniciato verde RAL 6005
67=verniciato marrone RAL 8017
69=verniciato nero RAL 9005
71=verniciato argento RAL 9006
72=verniciato testa di moro RAL 8019
75=verniciato bronzo
79=verniciato nero opaco RAL 9005
91=verniciato avorio opaco RAL 1013

01=raw
02=anodized silver
03=anodized bronze
04=eletcrocolor dark brown
05=anodized black
08=anodized
24=PVD gold
28=PVD glazed steel
60=white painted RAL 9010
61=ivory painted RAL 1013
62=cream painted RAL 9001
65=green painted RAL 6005
67=brown painted RAL 8017
69=black painted RAL 9005
71=silver painted RAL 9006
72=dark brown painted RAL 8019
75=bronze painted
79=mat black painted RAL 9005
91=mat ivory painted RAL 1013

Esempio:

A.4003.ZX.(xx) (Cremonese reversibile per aperture interne) se ordinata **A.4003.ZX.60** verrà fornita verniciata bianco RAL 9010, se invece viene ordinata **A.4003.ZX.69**, verrà fornita Verniciata nero RAL 9005.

For example:

A.4003.ZX.(xx) (reversible cremonese bolt for internal opening) if you order **A.4003.ZX.60** you will receive it white painted RAL 9010, if instead you order **A.4003.ZX.69** you will receive it black painted RAL 9005

ACCESSORI UNIVERSALI
UNIVERSAL ACCESSORIES

ACCESSORI UNIVERSALI
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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>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
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>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
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>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
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>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
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>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
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>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
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>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							

280.050.XX (Alutec)		Cardine inferiore per pompa a pavimento con boccia a foro rettangolare da 22x10 mm asse centro di rotazione 36 mm Lower pintle for floor pump with rectangular bush of mm 22x10 Centerline rotation center mm 36							
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	R40	R50					
R40	R50								

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>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							

280.051.XX (Alutec)		Cardine inferiore per pompa a pavimento con boccia a foro quadrata da Ø 13.5x13.5 mm asse centro di rotazione 36 mm Lower pintle for floor pump with square bush of 13.5x13.5 mm Ø Centerline rotation center mm 36							
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	R40	R50					
R40	R50								


299.008.XX (Alutec)		Spessore da 8 mm per cerniere pesanti. 8 mm shims for heavy hinges.							
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							


280.068.01 (Alutec)		Albero con losanga per profili da 55 a 64 mm Lozenge rod for profiles from mm 55 to 64							
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	R40	R50					
R40	R50								

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>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							


CERNIERE E CARDINI
HINGES AND PIVOTS


CERNIERE E CARDINI
HINGES AND PIVOTS


Articolo Item	Immagine Picture	Descrizione Description									
501.024.XX (Alutec)		Cerniera STOPPER portata max 100 Kg <i>Hinge STOPPER capacity max kg 100</i>									
		<table border="1"> <tr> <td></td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		R50							
	R50										

Articolo Item	Immagine Picture	Descrizione Description									
501.342.XX (Alutec)		Cerniera sfilabile maggiorata con contropiastra in acciaio inox. <i>Slip-off oversized hinge with stainless steel counterplate.</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

501.013.55 (Alutec)		Rondella spessoramento cerniere sfilabili. <i>Spacing washer for slip off hinges.</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

501.349.XX (Alutec)		Cerniera sfilabile su profili complanari I.E. monoblocco a cinghia da 40 mm <i>Slip-off hinge on coplanar profile I.E. beltshutter winding system mm 40</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									


501.002.XX (Alutec)		Cerniera sfilabile con contropiastra in acciaio inox. <i>Slip-off hinge with stainless steel counterplate.</i>									
		<table border="1"> <tr> <td></td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		R50							
	R50										

501.370.XX (Alutec)		Cerniera a pettine a 5 ali <i>R50 Special 5 wings hing</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

501.240.XX (Alutec)		Cerniera sfilabile 3a anta con contropiastra in acciaio inox. <i>Slip-off hinge 3rd leaf with stainless steel counterplate.</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

501.310.XX (Alutec)		Cerniera a pettine <i>Special hinge</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

501.330.XX (Alutec)		Cerniera sfilabile da 50 mm. <i>Slip-off hinge mm 50</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						


501.340.XX (Alutec)		Cerniera sfilabile per 3a anta da 50 mm. <i>Slip-off 3rd leaf hinge mm 50</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
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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A.2919.NN		Squadretta d'allineamento in nylon su aletta. <i>Nylon alignment corner joint on fin.</i>							
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
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>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	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>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							


2013 (Monticelli)		Squadretta d'allineamento aletta interna "FUJI" <i>Alignment corner joint for rabbet internal "FUJI"</i>							
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT	
R40	R50								
R50TT	R62TT	R72TT							
	R72TT1.3	R85TT1.0							


2020 (Monticelli)		Squadretta d'allineamento aletta "FUJI" <i>Alignment corner joint for rabbet "FUJI"</i>							
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
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>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							

Articolo Item	Immagine Picture	Descrizione Description
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A.5410.AA		Squadretta in alluminio estruso con inserto unificato <i>Extruded aluminium corner joint with unified insert</i>							
		<table border="1"> <tr> <td></td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		R50					
	R50								


A.5428.AA		Squadretta in alluminio estruso per profili maggiorati <i>Extruded aluminium corner joint for oversized profiles</i>							
		<table border="1"> <tr> <td></td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		R50					
	R50								

A.5441.AA		Squadretta in alluminio estruso con inserto unificato per profilo 900416 <i>Extruded aluminium corner joint with unified insert 900416</i>							
		<table border="1"> <tr> <td></td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		R50					
	R50								


ACCESSORI COMPLEMENTARI
COMPLEMENTARY ACCESSORIES

ACCESSORI COMPLEMENTARI
COMPLEMENTARY ACCESSORIES

Articolo Item	Immagine Picture	Descrizione Description
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502.002.XX (Alutec)		Angolo stampato per fermavetro arrotondato. <i>Moulded corner for snap-on rounded glass beading.</i>							
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT	
R40	R50								
R50TT	R62TT	R72TT							
	R72TT1.3	R85TT1.0							

Articolo Item	Immagine Picture	Descrizione Description
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R950.001		Aggancio fermavetri arrotondati. <i>Rounded glass beading coupling.</i>							
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT	
R40	R50								
R50TT	R62TT	R72TT							
	R72TT1.3	R85TT1.0							

GIUNTI
JOINTS

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

Articolo Item	Immagine Picture	Descrizione Description									
505.263.01 (Alutec)		Giunto in alluminio estruso Extruded aluminium joint									
		<table border="1"> <tr> <td></td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		R50							
	R50										

505.261.01 (Alutec)		Giunto in alluminio estruso per profili maggiorati Extruded aluminium joint for oversized profiles									
		<table border="1"> <tr> <td></td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		R50							
	R50										

Articolo Item	Immagine Picture	Descrizione Description									
A.4003.ZX.(xx)		Cremonese reversibile per aperture interne interasse 84-100 Reversible cremone bolt for internal opening distance between centers 84-100									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									


A.4004.ZX.(xx)		Cremonese reversibile per anta ribalta interasse 84-100 Reversible cremone bolt for tilt and turn distance between centers 84-100									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

A.4005.ZX.(xx)		Cremonese reversibile con chiave per apertura interna interasse 84-100 Reversible cremone bolt with key for internal opening distance between centers 84-100									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

A.4006.ZX.(xx)		Cremonese reversibile per apertura esterna interasse 104-108 Reversible cremone bolt for external opening distance between centers 104-108									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

A.4008.ZX.(xx)		Cremonese reversibile aperture interne senza manico interasse 84-100. Reversible cremone bolt without handle for internal opening distance between centers 84-100									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

A.4009.ZX.(xx)		Cremonese reversibile per anta ribalta interasse 84-100 senza manico Reversible cremone bolt for tilt and turn without handle distance between centers 84-100									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

A.4010.ZN		Manico estraibile per cremonese Detachable handle cremone bolt									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
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.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>							
			<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT
R40	R50								
R50TT	R62TT	R72TT							
	R72TT1.3	R85TT1.0							


503.642.XX (Alutec)		Chiusura a cricchetto per vasistas. <i>Spring latch locking for hopper windows.</i>							
			<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT
R40	R50								
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>							
			<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	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>							
			<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							

503.847.05 (Alutec)		Manico estraibile per cremonese pressofusa ed estrusa Ø 8 mm <i>Detachable handle for die-casting and extruded cremone bolt Ø mm 8</i>							
			<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT
R40	R50								
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>							
			<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT
R40	R50								
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>							
			<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							

503.641.XX (Alutec)		Chiusura a cricchetto regolabile per vasistas <i>Adjustable spring catch for hopper windows</i>							
			<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT
R40	R50								
R50TT	R62TT	R72TT							
	R72TT1.3	R85TT1.0							

CHIUSURE
LOCKINGS

CHIUSURE
LOCKINGS

Articolo Item	Immagine Picture	Descrizione Description	Articolo Item	Immagine Picture	Descrizione Description									
503.801.55 (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></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50										
	R50													
503.806.05 (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></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50										
	R50													
503.094.55 (Alutec)		Chiusura a scatto per anta semifissa. <i>Snap release locking for semi-fixed leaf.</i>												
		<table border="1"><tr><td>R40</td><td>R50</td><td></td></tr><tr><td>R50TT</td><td>R62TT</td><td>R72TT</td></tr><tr><td></td><td>R72TT1.3</td><td>R85TT1.0</td></tr></table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0			
R40	R50													
R50TT	R62TT	R72TT												
	R72TT1.3	R85TT1.0												
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>R40</td><td>R50</td><td></td></tr><tr><td>R50TT</td><td>R62TT</td><td>R72TT</td></tr><tr><td></td><td>R72TT1.3</td><td>R85TT1.0</td></tr></table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0			
R40	R50													
R50TT	R62TT	R72TT												
	R72TT1.3	R85TT1.0												
503.833.05 (Alutec)		Coppia paletti a leva per anta semifissa AR con riscontri regolabili. <i>Pair of lever latches for semifixed lead for tilt and turn with adjustable striker.</i>												
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50										
	R50													
503.852.05 (Alutec)		Asta di prolunga per articolo 503.853.05. <i>Extension rod for item 503.853.05.</i>												
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50										
	R50													


INNESTI - PUNTALI - RICONTRI
COUPLINGS - TERMINALS - STRIKERS


INNESTI - PUNTALI - RICONTRI
COUPLINGS - TERMINALS - STRIKERS


Articolo Item	Immagine Picture	Descrizione Description
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Articolo Item	Immagine Picture	Descrizione Description
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504.142.55 (Alutec)		Coppia puntali in nylon su profilo 900151 <i>Pair of terminals on profile 900151</i>									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								

504.131.01 (Alutec)		Innesti guida apertura esterna per profili maggiorati. <i>Coupling for external opening for oversized profiles.</i>									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								


504.145.55 (Alutec)		Coppia puntali in zama, su profilo 900151 <i>Pair of zamak terminals on profile 900151</i>									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								

504.206.05 (Alutec)		Incontro di chiusura supplementare lato cerniere. <i>U-Bolt for additional locking hinge side</i>									
		<table border="1"><tr><td>R40</td><td>R50</td><td></td></tr><tr><td>R50TT</td><td>R62TT</td><td>R72TT</td></tr><tr><td></td><td>R72TT1.3</td><td>R85TT1.0</td></tr></table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
		R40	R50								
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>R40</td><td>R50</td><td></td></tr><tr><td>R50TT</td><td>R62TT</td><td>R72TT</td></tr><tr><td></td><td>R72TT1.3</td><td>R85TT1.0</td></tr></table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
		R40	R50								
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									


504.141.55 (Alutec)		Coppia innesti cremonese apertura interna su profilo 900151, in nylon. <i>Nylon pair of couplings internal opening for profile 900151.</i>									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								

504.091.05 (Alutec)		Riscontro regolabile per puntali: <i>Adjustable striker for terminals:</i>									
		<table border="1"><tr><td>R40</td><td>R50</td><td></td></tr><tr><td>R50TT</td><td>R62TT</td><td>R72TT</td></tr><tr><td></td><td>R72TT1.3</td><td>R85TT1.0</td></tr></table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
		R40	R50								
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

504.150.05 (Alutec)		Coppia puntali in zama, anta affiancata anta ribalta. <i>Pair of zamak terminals, side by side leaf for tilt and turn</i>									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								

504.103.01 (Alutec)		Riscontro per terza chiusura su innesti cremonese: 504.141.55 <i>Striker for 3rd locking on couplings:</i> 504.141.55									
		<table border="1"><tr><td>R40</td><td>R50</td><td></td></tr><tr><td>R50TT</td><td>R62TT</td><td>R72TT</td></tr><tr><td></td><td>R72TT1.3</td><td>R85TT1.0</td></tr></table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
		R40	R50								
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>R40</td><td>R50</td><td></td></tr><tr><td>R50TT</td><td>R62TT</td><td>R72TT</td></tr><tr><td></td><td>R72TT1.3</td><td>R85TT1.0</td></tr></table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
		R40	R50								
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

504.130.01 (Alutec)		Innesti guida apertura esterna. <i>Coupling for external opening.</i>									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								

COMPASSI
ARMS

COMPASSI
ARMS

Articolo Item	Immagine Picture	Descrizione Description
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Articolo Item	Immagine Picture	Descrizione Description
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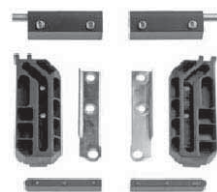
506.015.05
(Alutec)



Compasso ferma ante.
Retainer leafs arm.

	R50	

506.300.05
(Alutec)



Gruppo articolazione per sporgere
comprensivo di coppie di rinforzo
in acciaio inox portata max. kg. 75
*Kit for projecting windows inclusive
of stiffened stainless steel torques
capacity max 75 kg.*

R40	R50	
R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

406.300.05
(Alutec)



Coppia aste a sporgere
portata max 50 kg.
*Pair of projecting rods capacity
max 50 kg.*

L = mm 300

R40	R50	
R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

506.499.05
(Alutec)



Gruppo articolazione per sporgere
rinforzato completo di bracci,
portata max kg. 90
*Kit for stiffened projecting windows
with arms capacity max 90 kg.*

L = mm 300

	R50	

406.500.05
(Alutec)



Coppia aste a sporgere portata
max 50 kg.
*Pair of projecting rods capacity
max 50 kg.*

L = mm 500

R40	R50	
R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

506.252.00
(Alutec)



Coppia compassi inox sganciabili
per vasistas portata max 40 Kg.
*Pair of detachable stainless steel
arms for hopper windows capacity
max 40 Kg.*

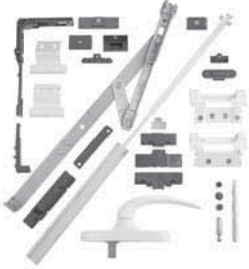
	R50	

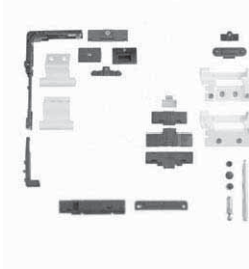
ANTA RIBALTA "REGATA"
"REGATA" TILT AND TURN

	R50	

ANTA RIBALTA "REGATA"
"REGATA" TILT AND TURN

	R50	

Articolo Item	Immagine Picture	Descrizione Description
513.303.XX (Alutec)		Gruppo completo con braccio standard e cremonese VELA. <i>Reversible kit with standard arm and VELA cremonese bolt.</i>

Articolo Item	Immagine Picture	Descrizione Description
513.350.XX (Alutec)		Gruppo completo senza braccio e senza cremonese. <i>Reversible kit without arm and cremonese bolt.</i>

Accessori supplementari
Additional accessories

Articolo Item	Descrizione Description
503.410.XX (Alutec)	Cremonese VELA reversibile per anta ribalta - interasse 84-100-104 <i>Reversible VELA cremonese bolt for tilt and turn</i> - distance between centers 84-100-104
503.411.XX (Alutec)	Cremonese VELA reversibile senza manico per anta ribalta - interasse 84-100-104 <i>Reversible VELA cremonese bolt without arm for tilt and turn</i> - distance between centers 84-100-104
503.412.XX (Alutec)	Cremonese VELA reversibile con chiave per anta ribalta - interasse 84-100-104 <i>Reversible VELA cremonese bolt with key for tilt and turn</i> - distance between centers 84-100-104
503.847.05 (Alutec)	Manico estraibile per cremonese pressofusa ed estrusa Ø 8 mm <i>Detachable handle for die-casting and extruded cremonese bolt</i> mm 8 Ø
504.105.05 (Alutec)	Riscontro per chiusura supplementare <i>Striker for additional locking</i>

Accessori supplementari
Additional accessories

Articolo Item	Descrizione Description
581.031.00 (Alutec)	Dima di posizionamento <i>Positioning template</i>
581.034.00 (Alutec)	Punzonatrice lavorazione astine <i>Punching machine for rods processing</i>
801.00149 (Alutec)	Pieghevole istruzioni di montaggio <i>Assembling instructions</i>

504.106.05 (Alutec)	Nasello di chiusura <i>Closure catch</i>
504.205.05 (Alutec)	Riscontro regolabile per chiusura supplementare <i>Adjustable striker for additional locking</i>
513.210.01 (Alutec)	Braccio supplementare <i>Additional arm</i>
513.211.01 (Alutec)	Braccio a forbice corto per ante di larghezza compresa fra 350 e 509 mm <i>Short upper arm for leafs from mm 350 to 509 of width</i>
513.212.01 (Alutec)	Braccio a forbice standard <i>Standard upper arm</i>
513.215.05 (Alutec)	Rinvio d'angolo superiore <i>Upper corner trasmission</i>
513.218.05 (Alutec)	Braccio limitatore di apertura <i>Opening device limiter arm</i>

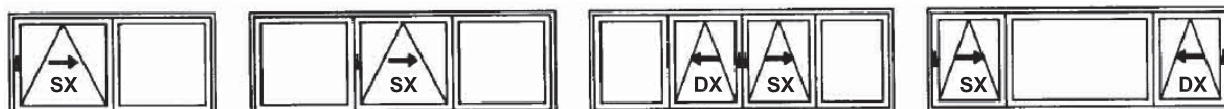
Accessori per anta affiancata
Side by side leaf accessories

Articolo Item	Descrizione Description
503.843.05 (Alutec)	Coppia paletti con puntale in zama <i>Pair of latches with zamak terminals</i>
504.206.05 (Alutec)	Incontro di chiusura supplementare lato cerniere <i>Striker for additional locking hinge side</i>
513.180.XX (Alutec)	Kit completo paletti e cerniere per anta affiancata serie "Regata" <i>Complete kids for side by side leaf "Regata" series</i>

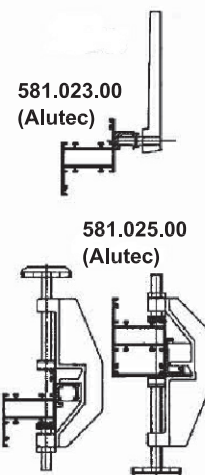
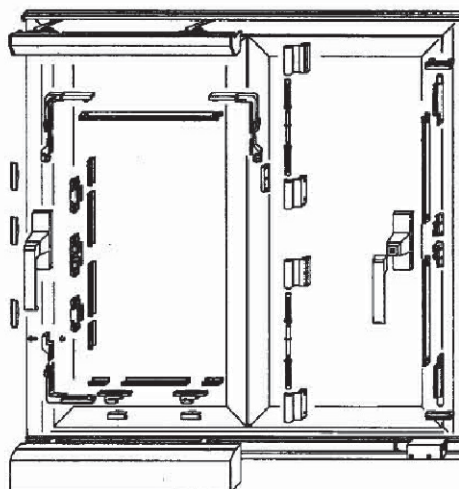
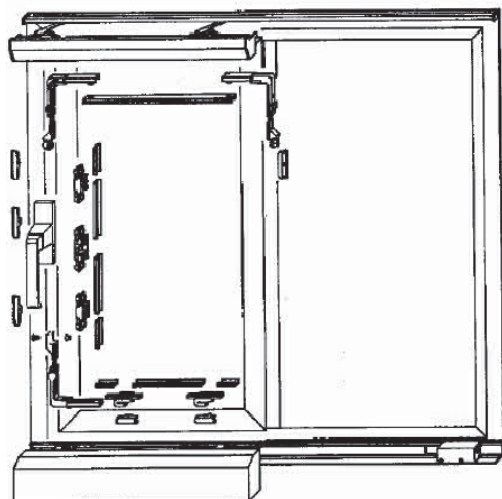
MECCANISMI RIBALTA SCORREVOLE

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

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 **519.001.00**
- 1 confezione di carter e guida **519.007.60**
- 1 kit di chiusura **519.030.05**
- 1 cremonese VELA **503.410.60**

EXAMPLE OF ORDER

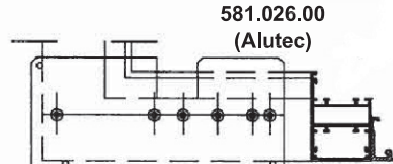
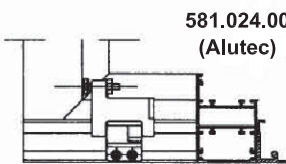
For sliding left tilt and turn with fixed leaf having a frame width of mm 2.700, sliding leaf width of mm 1.250 with white 9010 finishing and cremonese bolt.

You order as follows:

- 1 left standard kit **519.001.00**
- 1 coverplate and guide kit **519.007.60**
- 1 locking mechanism kit **519.030.05**
- 1 VELA cremonese bolt **503.410.60**

GLI ACCESSORI DELL'ANTA

APRIBILE SONO QUELLI STANDARD
THE OPENABLE LEAF ARE STANDARD ACCESSORIES



	R50	

Articolo Item	Descrizione Description
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519.001.00 (Alutec)	Confezione base sinistra Left standard kit
519.002.00 (Alutec)	Confezione base destra Right standard kit
519.005.XX (Alutec)	Carter e guide 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
519.006.XX (Alutec)	Carter e guide 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
519.007.XX (Alutec)	Carter e guide 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
519.008.XX (Alutec)	Carter e guide 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
519.030.05 (Alutec)	Kit meccanismo di chiusura Locking mechanism kit
503.410.XX (Alutec)	Cremonese VELA reversibile per anta ribalta - interasse 84-100-104 Reversible VELA cremonese bolt for tilt and turn - distance between centers 84-100-104
503.411.XX (Alutec)	Cremonese VELA reversibile senza manico per anta ribalta - interasse 84-100-104 Reversible VELA cremonese bolt without arm for tilt and turn - distance between centers 84-100-104
503.412.XX (Alutec)	Cremonese VELA reversibile con chiave per anta ribalta - interasse 84-100-104 Reversible VELA cremonese bolt with key for tilt and turn - distance between centers 84-100-104
503.847.05 (Alutec)	Manico estraibile per cremonese pressofusa ed estrusa Ø 8 mm Detachable handle for die-casting and extruded cremonese bolt mm 8 Ø

BILICO
PIVOTING WINDOW

SCARICHI ACQUA
WATER DRAINAGE

Articolo Item	Immagine Picture	Descrizione Description									
508.213.XX (Alutec)		CONFEZIONE COMPLETA Kit bilico orizzontale a chiusure multiple con cremonese pressofusa COMPLETE KIT Multi-point lockinnngs horizontal pivoting window with die-casting cremone bolt									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								

Articolo Item	Immagine Picture	Descrizione Description									
509.270.55 (Alutec)		Valvola scarico acqua in nylon. Nylon water drainage valve.									
		<table border="1"><tr><td>R40</td><td>R50</td><td></td></tr><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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
		R40	R50								
R50TT	R62TT	R72TT									
R72TTCE	R72TT1.3	R85TT1.0									

508.214.XX (Alutec)		CONFEZIONE COMPLETA Kit bilico verticale a chiusure multiple con cuscinetto reggispinta e cremonese pressofusa COMPLETE KIT Multi-point lockinnngs vertical pivoting window with thrust bearing with die-cast cremone bolt handle									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								

509.261.55 (Alutec) 509.261.60 (Alutec)		Paratempesta in nylon. Water drain cover of nylon.							
		- nero - black - bianco - white							
		<table border="1"><tr><td>R40</td><td>R50</td><td></td></tr><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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							

508.026.01 (Alutec)		Distanziale fissaggio profilo inversione bilico Spacer for fixing profile inversion pivoting window.									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								

509.264.55 (Alutec) 509.265.55 (Alutec)		Paratempesta in nylon. Water drain cover of nylon.							
		- nero - black - bianco - white							
		<table border="1"><tr><td>R40</td><td>R50</td><td></td></tr><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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							

508.027.55 (Alutec)		Tappo copritaglio bilico chiusure multiple Covercut plug for pivoting windiw multiple locking									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								

509.280.55 (Alutec)		Gruppo tappi laterali di chiusura in nylon per profilo 900084 Nylon set of lateral closure plug for profile 900084									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								

508.080.XX (Alutec)		Coppia di frizioni per bilico. Pair of clutches for pivoting window.									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								

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508.081.XX (Alutec)		Coppia di frizioni per bilico verticale con cuscinetto reggispinta. Pair of clutches for vertical pivoting window with thrust bearing.									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								


SPESSORAMENTO VETRI
SHIM FOR GLASSES


Articolo Item	Immagine Picture	Descrizione Description									
507.709.55 (Alutec)		Tassello spessoramento vetri regolabile con vite. Adjustable shim for glasses with screw.									
		<table border="1"><tr><td></td><td>R50</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		R50							
			R50								

ATTACCHI ALLA MURATURA
WALL FASTENERS


ATTACCHI ALLA MURATURA
WALL FASTENERS


Articolo Item	Immagine Picture	Descrizione Description									
510.100.00 (Alutec)		Molla in acciaio zincato per coprifilo angolare <i>Galvanized steel spring for angular coverwire</i>									
		<table border="1"> <tr> <td></td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		R50							
	R50										


Articolo Item	Immagine Picture	Descrizione Description									
510.490.55 (Alutec) 510.490.60 (Alutec)		Tappo rettangolare copriforo Ø 12 mm in polietilene <i>Rectangular coverhole plug Ø mm 12 made of polyethylene</i>									
		- colore nero - <i>black color</i> - colore bianco - <i>white color</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

510.330.55 (Alutec)		Clip ad infilare per profili angolari. <i>Insert clip for angular profiles.</i>									
		<table border="1"> <tr> <td></td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		R50							
	R50										

410.405.01 (Alutec)		Basetta unificata per regolo mobile in zama pressofusa. <i>Unified plate for adjustable block made of die-casting zamak.</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

510.480.01 (Alutec)		Fissaggio a muro laterale in alluminio estruso. <i>Extruded aluminium lateral wall fastener.</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

510.491.55 (Alutec)		Tappo rotondo copriforo Ø 12 mm in polietilene. <i>Circular coverhole plug Ø mm 12 made of polyethylene.</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

510.415.01 (Alutec)		Regolo mobile. <i>Adjustable block.</i>									
510.420.01 (Alutec)		L = mm 15									
510.430.01 (Alutec)		L = mm 20									
510.445.01 (Alutec)		L = mm 30									
510.460.01 (Alutec)		L = mm 45									
		L = mm 60									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

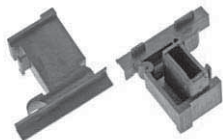
TAPPI
PLUGS

TAPPI
PLUGS

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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A.2140.NN



Coppia tappi per battuta centrale in nylon su 900153 da utilizzare con guarnizioni di precamera G.0157.EN e G.0147.EN
Nylon pair of plugs for central rabbet on leafs on profiles 900153 with rubber insert to utilize with central rabbet G.0157.EN and G.0147.EN

	R50	

A.2134.TN^(AP)



Coppia tappi per battuta centrale in nylon rigido su 900706 da utilizzare con guarnizioni di precamera G.0132.EN
Nylon pair of plugs for central rabbet on leafs on profiles 900706 with rubber insert to utilize with central rabbet G.0132.EN

REVAMPING

	R50	

ATTREZZATURE
TOOLS

ATTREZZATURE
TOOLS

Articolo Item	Immagine Picture	Descrizione Description
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Articolo Item	Immagine Picture	Descrizione Description
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581.023.00
(Alutec)



Boccola per foratura con impugnatura
Drilling bushing with handgrip

R40	R50	
R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

M.2001.00



Cianfrinatrice manuale
Manual crimping tool

R40	R50	
R50TT	R62TT	R72TT
R72TTCE	R72TT1.3	R85TT1.0

581.024.00
(Alutec)



Maschera piazzamento slitta rientro anta
Leaf retracting slide positioning template

R40	R50	
R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

U.9801.VV



Chiave esagonale doppia da 4-5-6 UNIV.
Double hexagonal wrench of 4-5-6 UNIV.

R50TT	R62TT	R72TT
R72TTCE	R72TT1.3	R85TT1.0

581.025.00
(Alutec)



Morsetto di piazzamento guide scorrevoli
Sliding guides positioning clamp

R40	R50	
R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

U.9802.VV



Chiave esagonale doppia da 2.5-3 UNIV.
Double hexagonal wrench of 2.5-3 UNIV.

R50TT	R62TT	R72TT
R72TTCE	R72TT1.3	R85TT1.0

581.026.00
(Alutec)



Maschera di foratura piazzamento carrelli
Rollers positioning drilling template

R40	R50	
R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

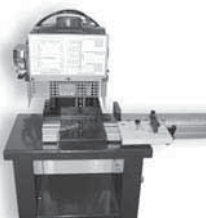
581.033.00
(Alutec)



Dima universale per tavellino.
Universal template for flat catch.

R40	R50	
R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

581.034.00
(Alutec)



Punzonatrice lavorazione astine
Punching machine for rods processing

R40	R50	
R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0

581.040.00
(Alutec)



Dima foratura per cerniere ad elevata portata
Drilling template for heavy hinges


R40	R50	
R50TT	R62TT	R72TT
	R72TT1.3	R85TT1.0


GUARNIZIONI
WEATHERSTRIPS

GUARNIZIONI
WEATHERSTRIPS

Articolo Item	Immagine Picture	Descrizione Description
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Articolo Item	Immagine Picture	Descrizione Description
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G.0119.EN		Guarnizione di battuta per bilico <i>Pivoting weatherstrip of rabbet</i>							
		E.P.D.M. <table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td></td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT	
R40	R50								
R50TT	R62TT	R72TT							
	R72TT1.3								


G.0134.EN ^(ABP)		Guarnizione esterna vetro <i>External weatherstrips on glass</i>							
		E.P.D.M. <table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							


G.0126.EN ^(ABP)		Guarnizione di battuta <i>Weatherstrip of rabbet</i>
		EN = E.P.D.M.


G.0139.RN ^(ABP)		Guarnizione esterna vetro 1,5mm <i>External weatherstrips on glass 1,5mm</i>
		P.V.C. Coestruso <i>Coextruded P.V.C.</i>


G.0138.RN ^(ABP)		RN = PVC coestruso <i>Coextruded P.V.C.</i>
		TN = T.P.E. <i>T.P.R.</i>


G.0140.RN ^(ABP)		Guarnizione esterna vetro 3 mm <i>External weatherstrips on glass 3mm</i>
		P.V.C. Coestruso <i>Coextruded P.V.C.</i>


G.0155.TN ^(BP)		FN = E.P.D.M. coestruso <i>Coextruded E.P.D.M.</i>							
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT	
R40	R50								
R50TT	R62TT	R72TT							
	R72TT1.3	R85TT1.0							


G.0140.RN ^(ABP)		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
		R40	R50								
R50TT	R62TT	R72TT									
R72TTCE	R72TT1.3	R85TT1.0									


G.0127.EN ^(ABP)		Guarnizione su fermavetro spessore 2 mm <i>Weatherstrip on glazing bead shim 2 mm</i>							
		E.P.D.M. <table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							


G.0147.EN ^(ABP)		Guarnizione di precamera <i>Central weatherstrip</i>				
		E.P.D.M. <table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	R40	R50		
R40	R50					


G.0128.EN ^(ABP)		Guarnizione su fermavetro spessore 3 mm <i>Weatherstrip on glazing bead shim 3 mm</i>							
		E.P.D.M. <table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							


G.0149.EN ^(BP)		Guarnizione su fermavetro spessore 4 mm <i>Weatherstrip on glazing bead shim 4 mm</i>							
		E.P.D.M. <table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							


G.0129.EN ^(ABP)		Guarnizione su fermavetro spessore 6 mm <i>Weatherstrip on glazing bead shim 6 mm</i>							
		E.P.D.M. <table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							

G.0150.EN ^(BP)		Guarnizione su fermavetro spessore 5 mm <i>Weatherstrip on glazing bead shim 5 mm</i>							
		E.P.D.M. <table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE
R40	R50								
R50TT	R62TT	R72TT							
R72TTCE	R72TT1.3	R85TT1.0							

G.0131.EN ^(ABP)		Guarnizione di battuta ad inserimento a scatto <i>Released insertion weatherstrip on rabbet</i>							
		E.P.D.M. <table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT	
R40	R50								
R50TT	R62TT	R72TT							
	R72TT1.3	R85TT1.0							

G.0157.EN ^(BP)		Guarnizione di precamera ribassata <i>Riduced central weatherstrip</i>				
		E.P.D.M. <table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	R40	R50		
R40	R50					

G.0132.EN ^(AB)		Guarnizione di precamera <i>Central weatherstrip</i>				
		REVAMPING E.P.D.M. <table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	R40	R50		
R40	R50					


G.0162.EN ^(AP)		Guarnizione di battuta per bilico <i>Pivoting weatherstrip of rabbet</i>				
		E.P.D.M. <table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td></td> <td></td> </tr> </table>	R40	R50		R50TT
R40	R50					
R50TT						

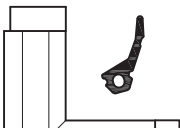
GUARNIZIONI
WEATHERSTRIPS


GUARNIZIONI
WEATHERSTRIPS

Articolo Item	Immagine Picture	Descrizione Description
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Articolo Item	Immagine Picture	Descrizione Description
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G.0314.RN ^(AP)		Guarnizione di tenuta inferiore porte <i>Lower door seal</i>									
		P.V.C. coestruso <i>Coextruded P.V.C.</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <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>	R40	R50		R50TT	R62TT	R72TT	R72TTCE	R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
R72TTCE	R72TT1.3	R85TT1.0									


A.0227.EN		Angolo stampato per guarnizione G.0132.EN <i>Moulded corner for weatherstrips G.0132.EN</i>
		EN = E.P.D.M.
A.0227.TN ^(AP)		TN = T.P.E. T.P.R.

G.0315.QN		Profilo tenuta inferiore porte <i>Lower door brush holder profile</i>									
		P.V.C. rigid <i>Rigid P.V.C.</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									


REVAMPING	<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		R40	R50							
	R40	R50									

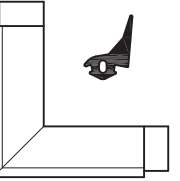
G.0316.QN		Guarnizione porta spazzolino <i>Brush holder seal</i>									
		P.V.C. rigid <i>Rigid P.V.C.</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

A.0229.EN		Angolo stampato per guarnizione G.0147.EN <i>Moulded corner for weatherstrips G.0147.EN</i>
		EN = E.P.D.M.
A.0229.TN ^(AP)		TN = T.P.E. T.P.R.

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"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

REVAMPING	<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		R40	R50							
	R40	R50									

G.0318.RN		Guarnizione per collegamento profili <i>Profile connection gasket</i>									
		P.V.C. coestruso <i>Coextruded P.V.C.</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

A.0233.EN		Angolo stampato per guarnizione G.0157.EN <i>Moulded corner for weatherstrips G.0157.EN</i>
		EN = E.P.D.M.
		TN = T.P.E. T.P.R.




G.0319.RN		Guarnizione per collegamento profili <i>Profile connection gasket</i>									
		P.V.C. coestruso <i>Coextruded P.V.C.</i>									
		<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td>R50TT</td> <td>R62TT</td> <td>R72TT</td> </tr> <tr> <td></td> <td>R72TT1.3</td> <td>R85TT1.0</td> </tr> </table>	R40	R50		R50TT	R62TT	R72TT		R72TT1.3	R85TT1.0
R40	R50										
R50TT	R62TT	R72TT									
	R72TT1.3	R85TT1.0									

REVAMPING	<table border="1"> <tr> <td>R40</td> <td>R50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		R40	R50							
	R40	R50									


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

Spessore Vetri Glass thickness	Guarnizioni Weatherstrips	Dimensione fermavetri Glass beading size	Sezione fermavetri Glass beading section		
4 5	C/D + E C/D + B	35 mm			
5/6 7 8 9	C/D + F A + F C/D + E C/D + B	31 mm			
6/7 8 9 10	C/D + F A + F C/D + E C/D + B	30 mm			
10/11 12 13 14	C/D + F A + F C/D + E C/D + B	26 mm			
13/14 15 16 17	C/D + F A + F C/D + E C/D + B	23 mm			
14 15/16 18 19	C/D + F A + F A + E A + B	22,5 mm			
17/18 19 20 21	C/D + F A + F C/D + E C/D + B	19 mm			
19/20 21 22 23	C/D + F A + F C/D + E C/D + B	17 mm			
21/22 23 24 25	C/D + F A + F C/D + E C/D + B	15 mm			
22/23 24 25 26	C/D + F A + F C/D + E C/D + B	14 mm			
25/26 27 28 29	C/D + F A + F C/D + E C/D + B	11 mm			
26/27 28 29 30	C/D + F A + F C/D + E C/D + B	10 mm			
31/32 33 34 35	C/D + F A + F C/D + E C/D + B	5 mm			
34/35 36 37 38	C/D + F A + F C/D + E C/D + B	2 mm			

Per accoppiamento con profilo 800200
Assembly with section 800200

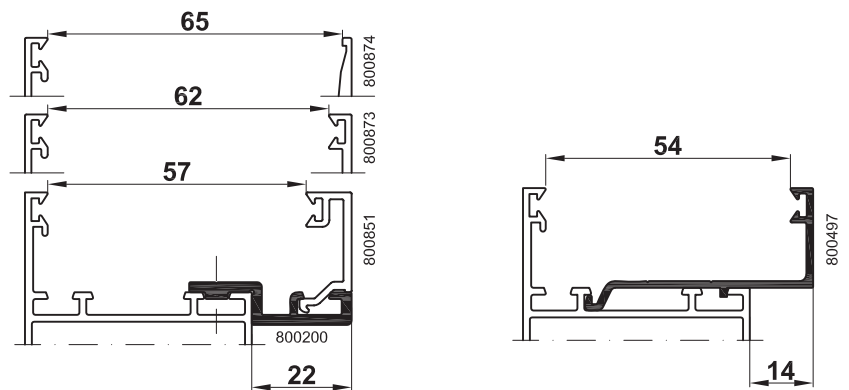
Spessore Vetri Glass thickness	Guarnizioni Weatherstrips	Dimensione fermavetri Glass beading size	Sezione fermavetri Glass beading section
● 48/49 ● 50 ● 51 ● 52	C/D + F A + F C/D + E C/D + B	10 mm	 800851
● 53/54 ● 55 ● 56 ● 57	C/D + F A + F C/D + E C/D + B	5 mm	 800873
● 56/57 ● 58 ● 59 ● 60	C/D + F A + F C/D + E C/D + B	2 mm	 800874

Per accoppiamento con profilo 800497
Assembly with section 800497

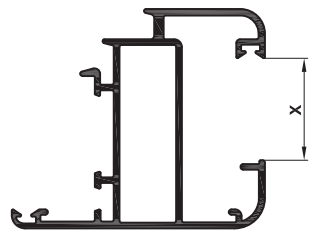
Spessore Vetri Glass thickness	Guarnizioni Weatherstrips	Dimensione fermavetri Glass beading size	Sezione fermavetri Glass beading section
● 45/46 ● 47 ● 48 ● 49	C/D + F A + F C/D + E C/D + B	54 mm	 800497

● **Spessore pannelli**
Panel thickness

N.B.: Le combinazioni indicate sono state ottenute considerando le quote teoriche. Si consiglia sempre di verificare le tolleranze per applicare vetri, fermavetri e guarnizioni ottimali.
The combinations are based on standard dimensions. It is always best to check tolerances to apply correct glass, glass beadings and weatherstrips.

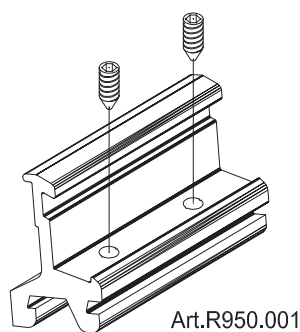
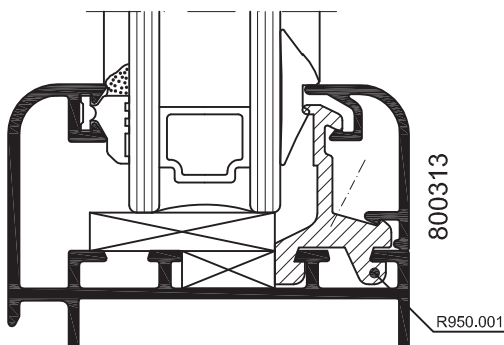


INSERIMENTO GUARNIZIONI, VETRI AD INFILARE
WEATHERSTRIPS, AND GLASS INSERTION

Spessore vetri Glass thickness	Guarnizioni Weatherstrips	Dimensione Size	Sezione Profilati Cross sections
18/19	E+B	X = 27 mm	
19/20	B+F		
21	E+E		
22	E+B		
23	B+B		

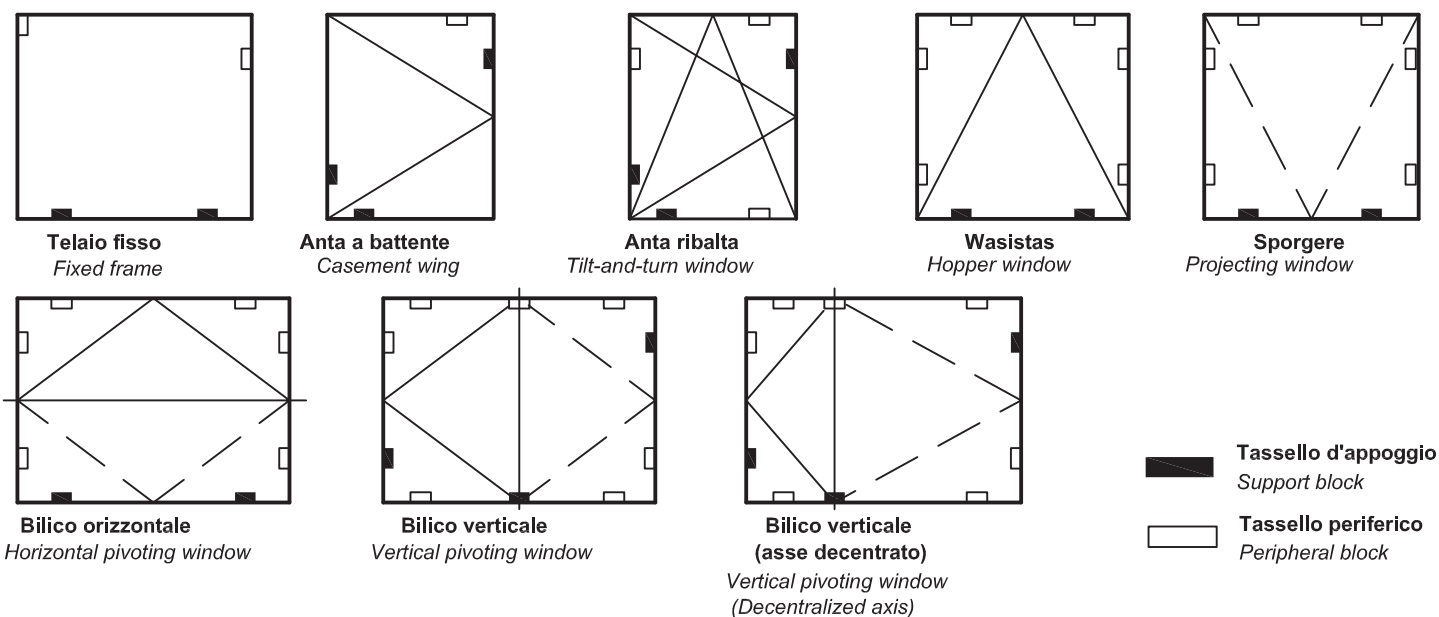
POSIZIONAMENTO ACCESSORIO FERMAVETRO ARROTONDATO
ROUNDED GLASSES BEADING ACCESSORY POSITIONING

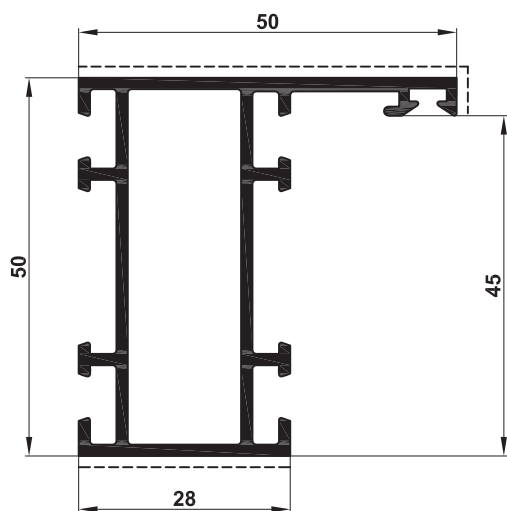
Sezione Fermavetri Glass Beading Section		Dimensione Size	Soluzione 1 Solution 1	Soluzione 2 Solution 2
F	G			
		30 mm		
		22,5 mm		
		19 mm		
		14 mm		



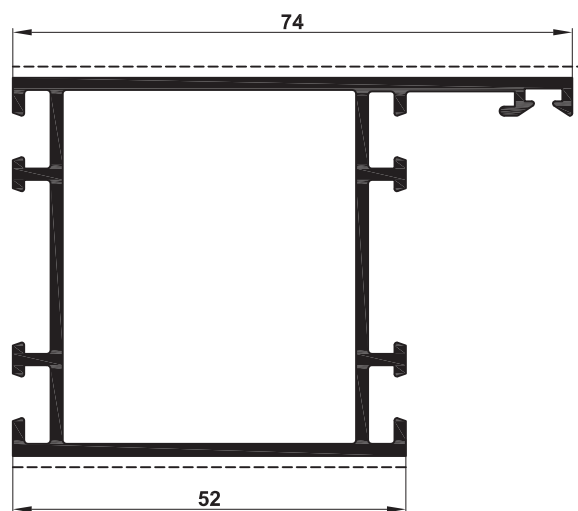
- F** = Fermavetro arr. a scatto
Radiused glass beading snap
- G** = Fermavetro arr. con accessorio R950.001
Radiused glass beading with accessorio R950.001
- = Art. R950.001
Per L/H ≤ 1000mm n°3pz
Per L/H < 1000mm ≤ 1500mm n°4pz
Per L/H > 1500mm n°5pz

SPESSORAMENTO VETRI
GLASS SHIM

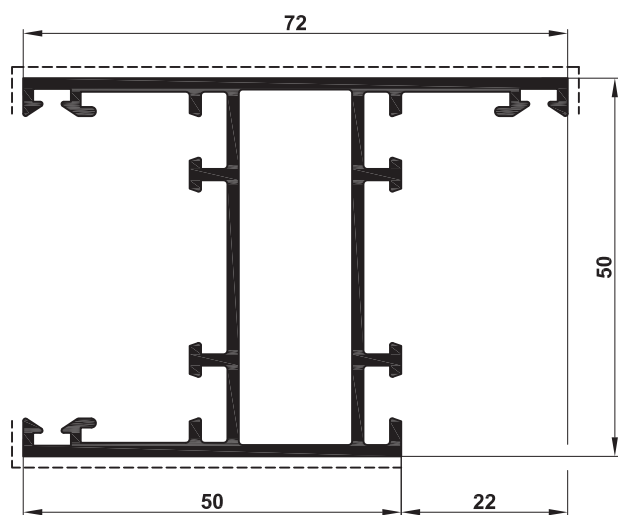




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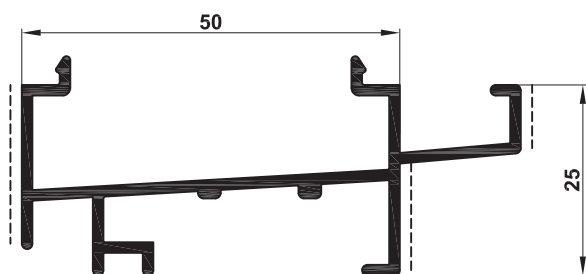
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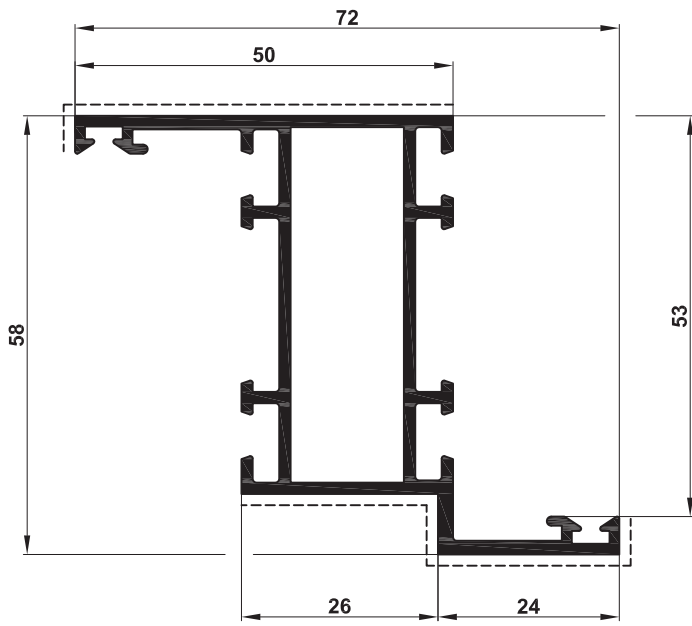
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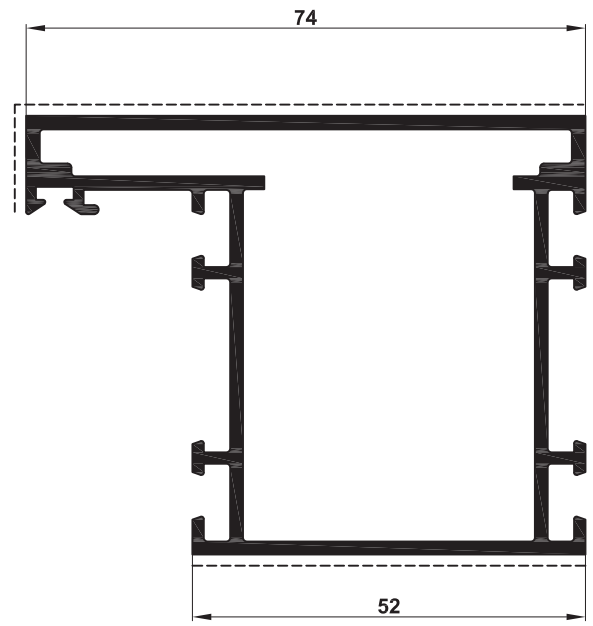
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900084

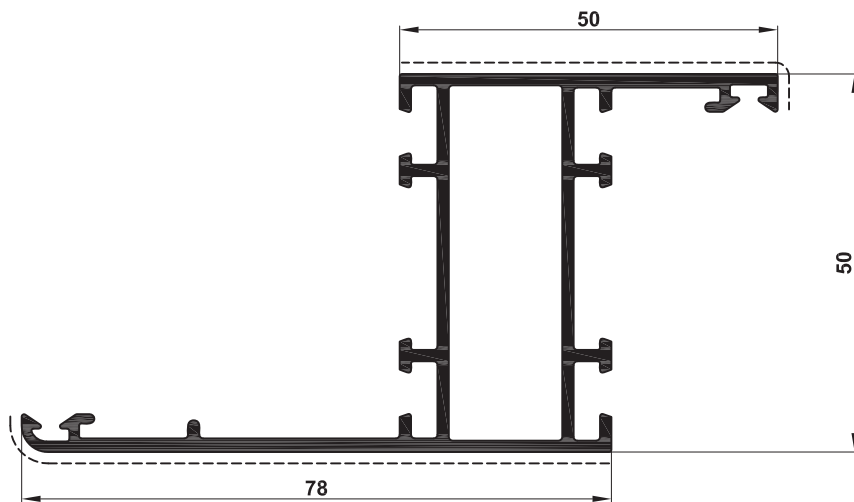


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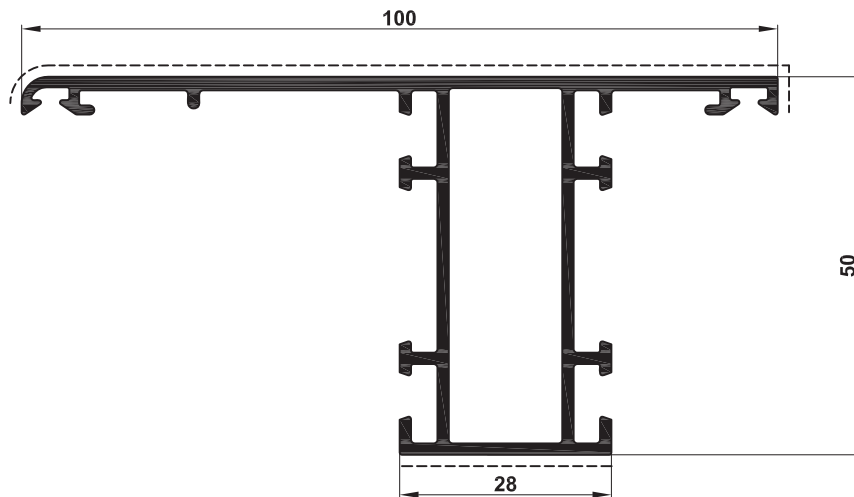


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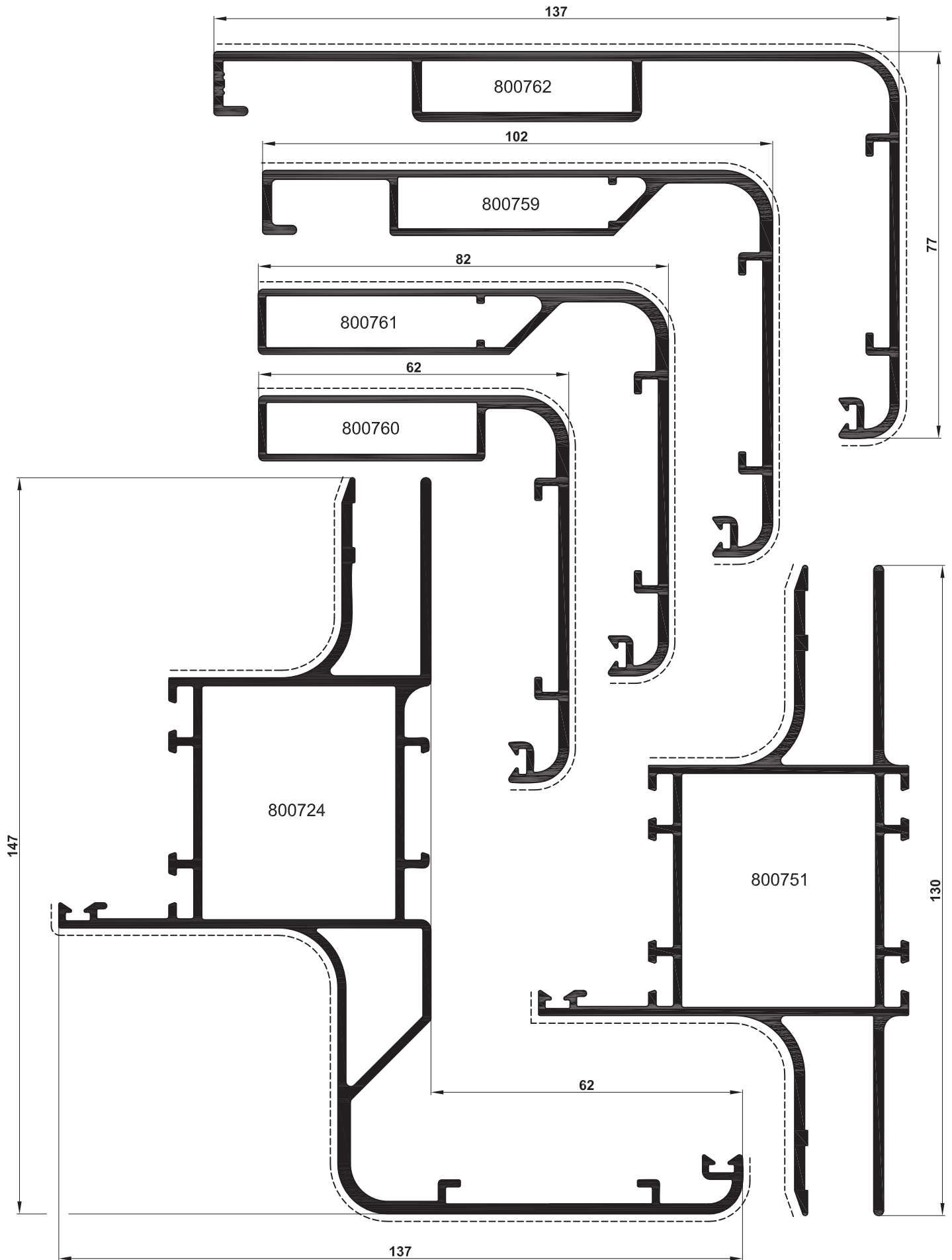
TELAJ SPECIALI
SPECIAL FRAMES

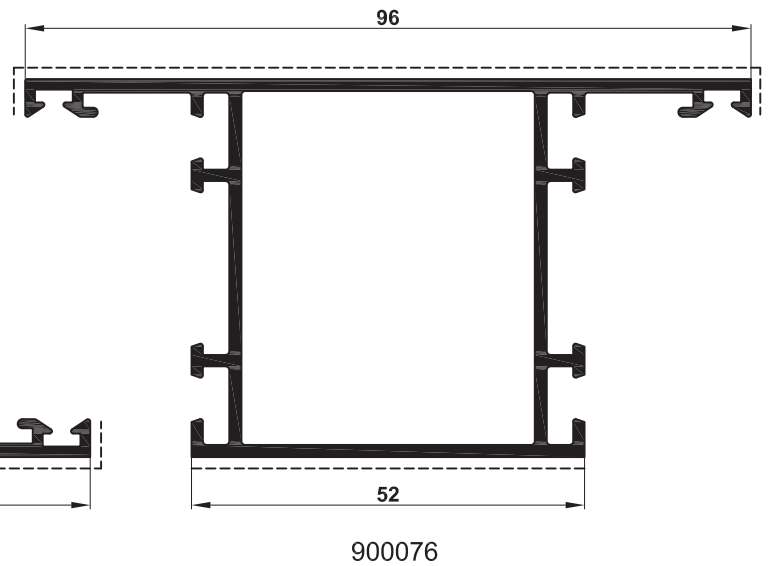
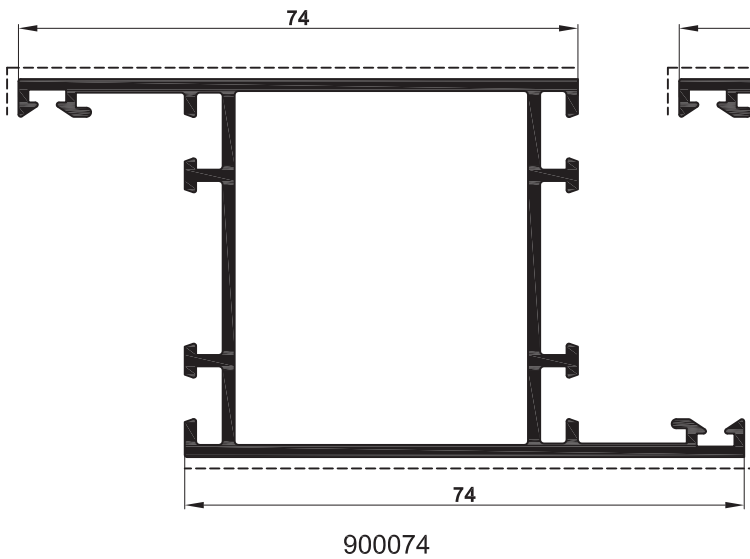
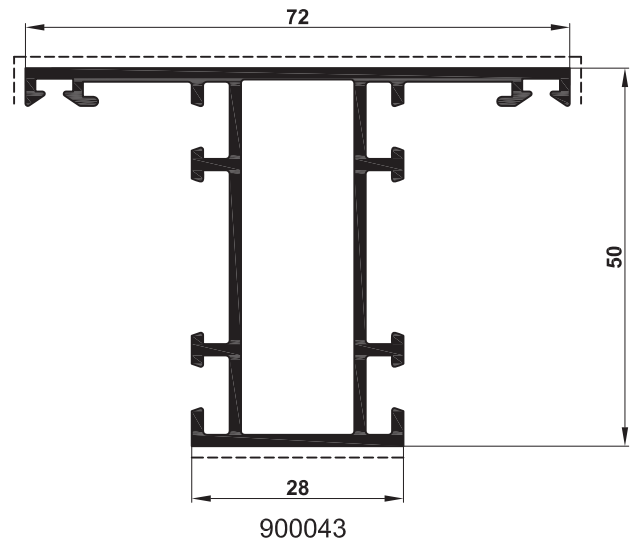
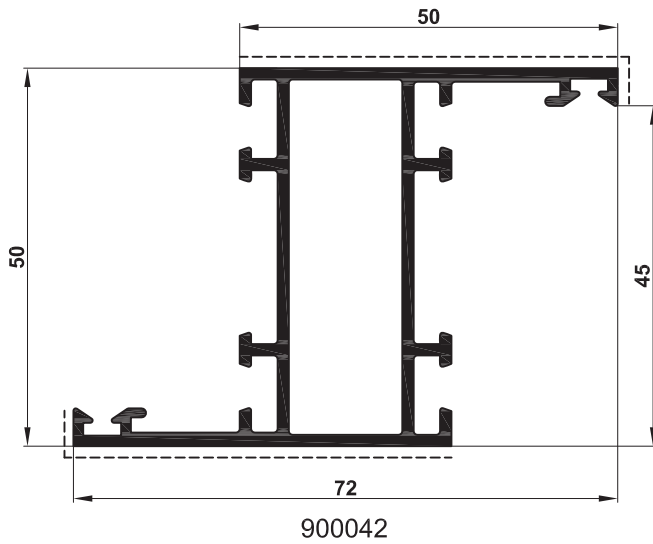


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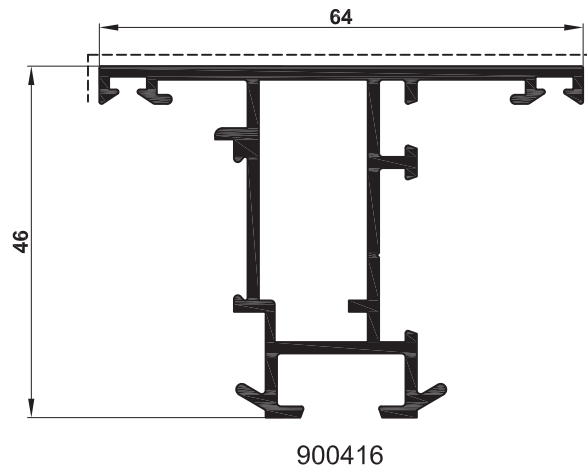


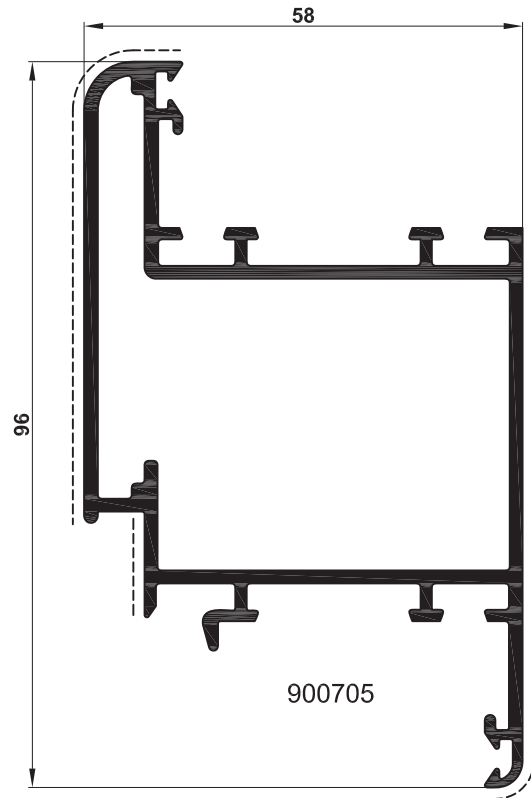
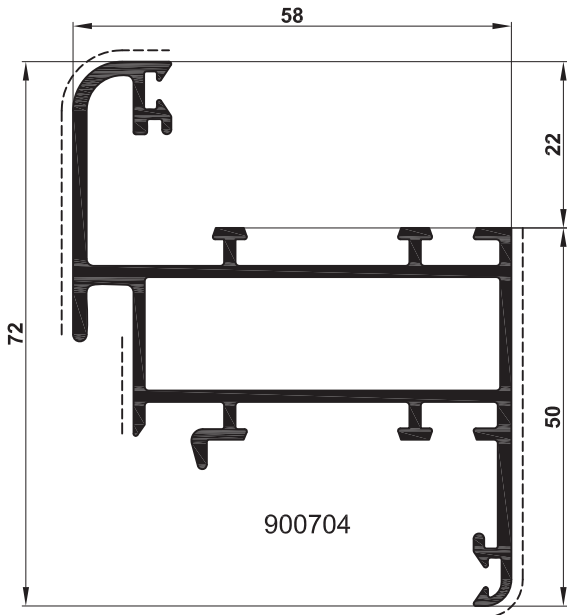
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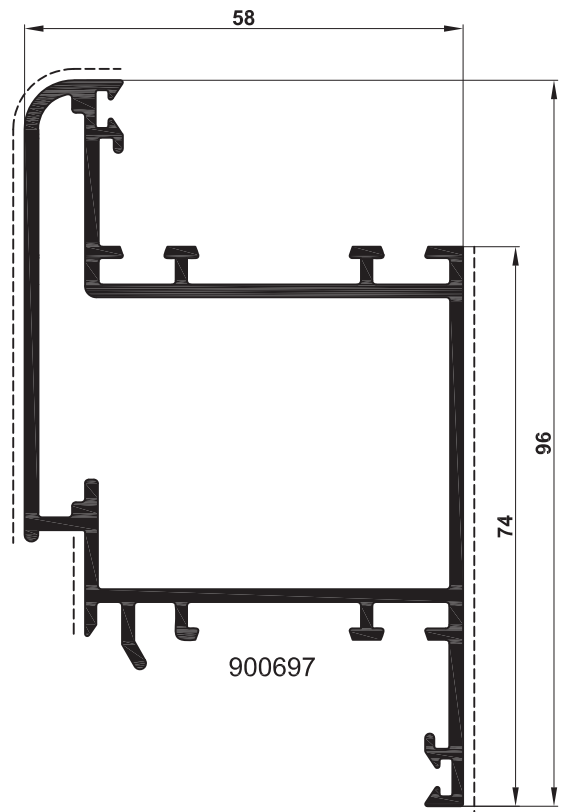
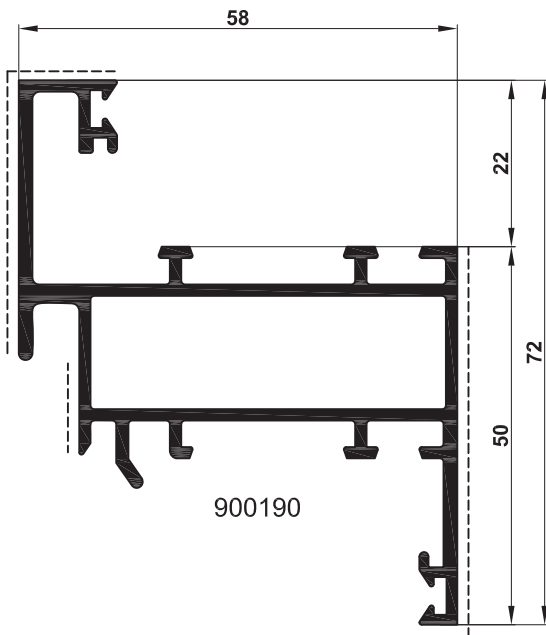
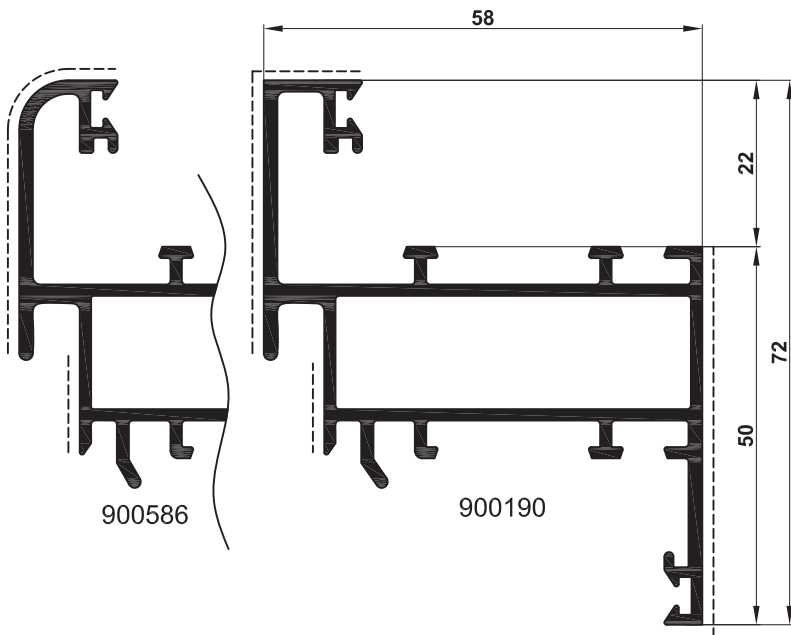


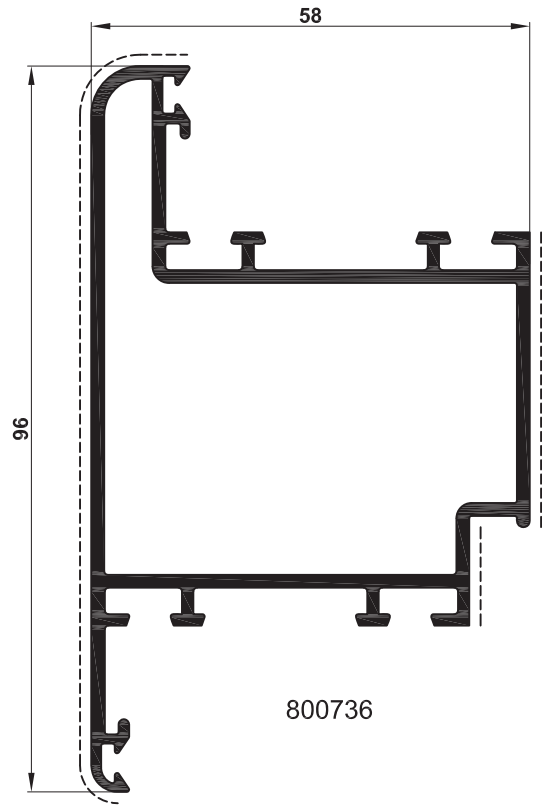
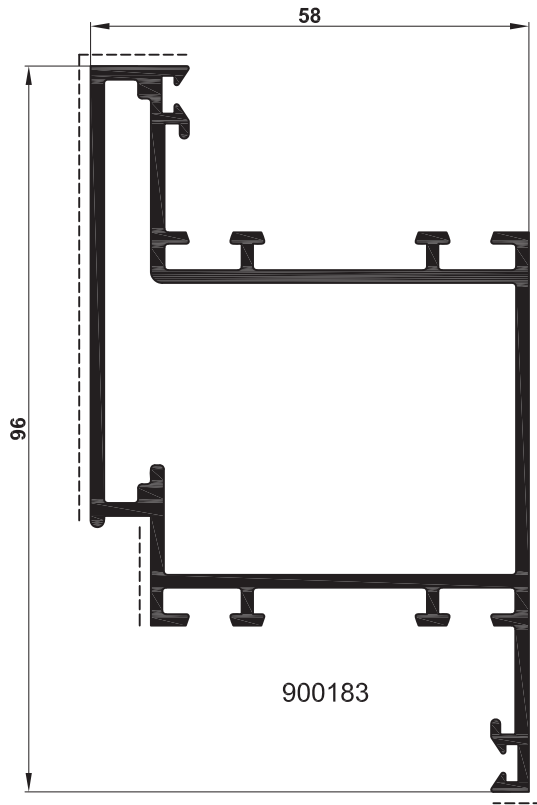
BILICO
PIVOTING WINDOW



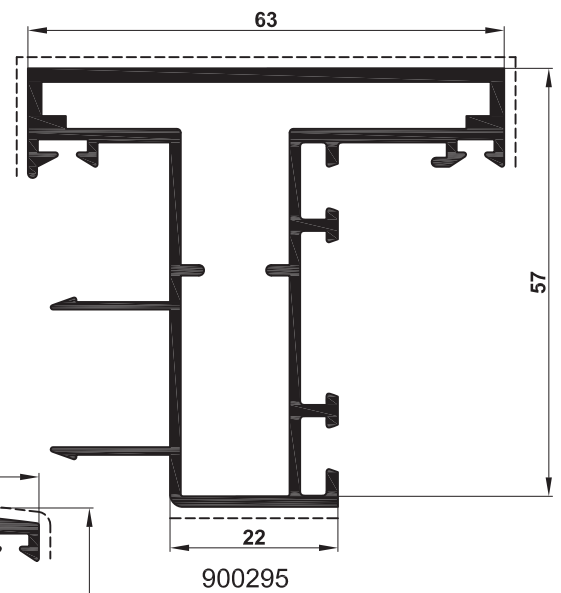
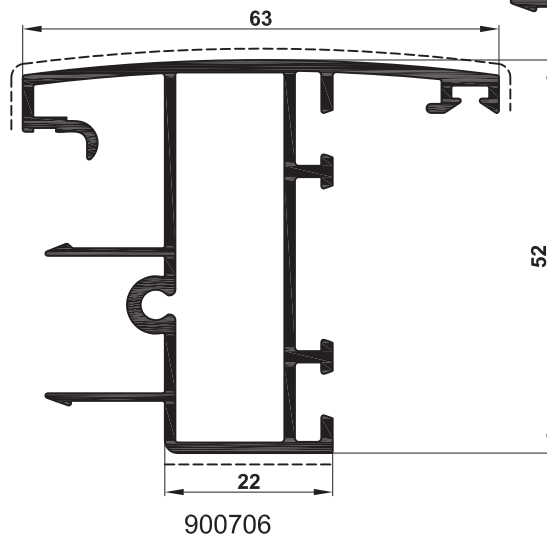
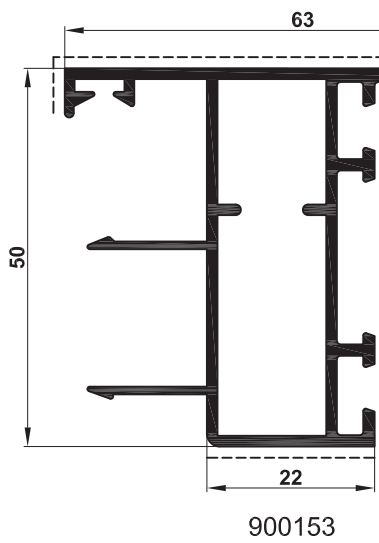


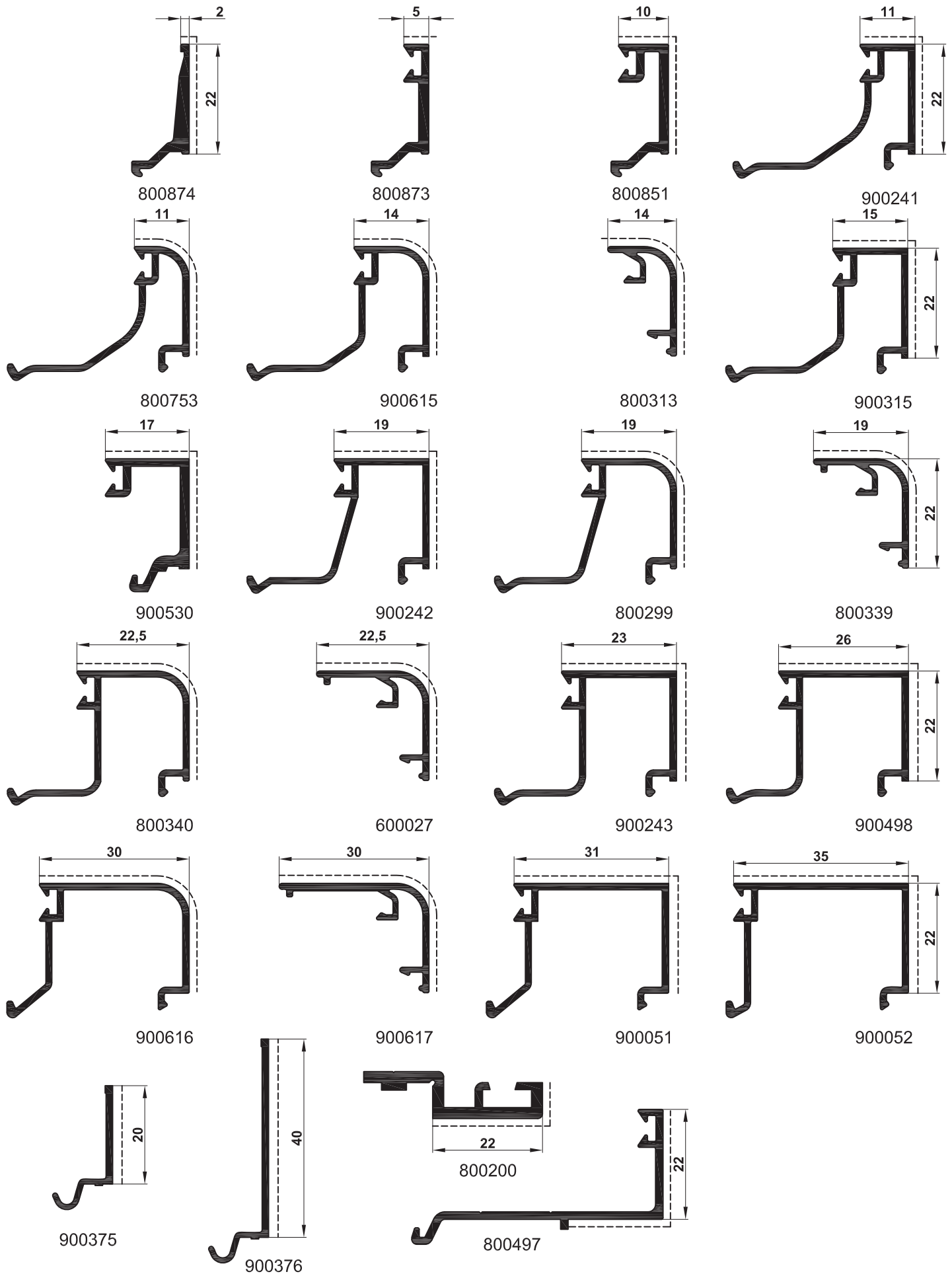
ANTE
WINGS

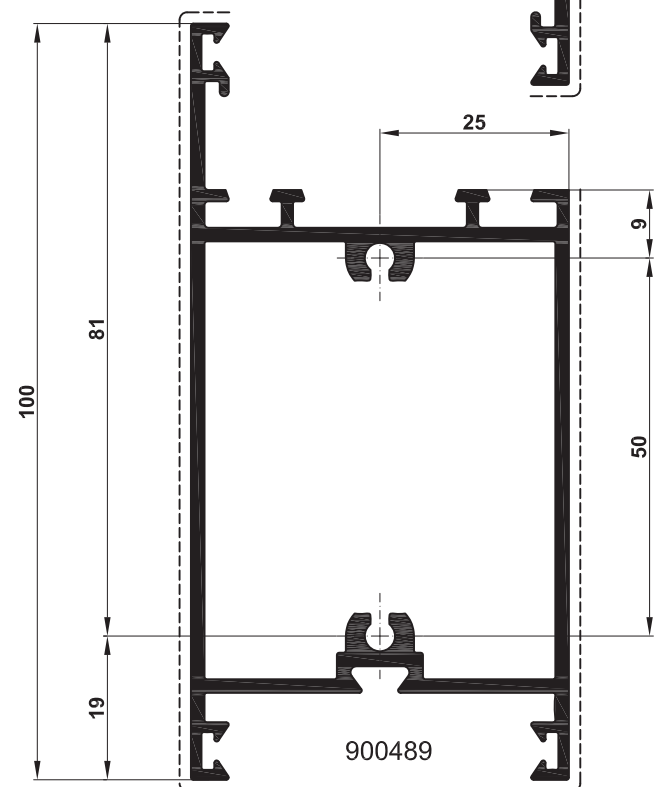
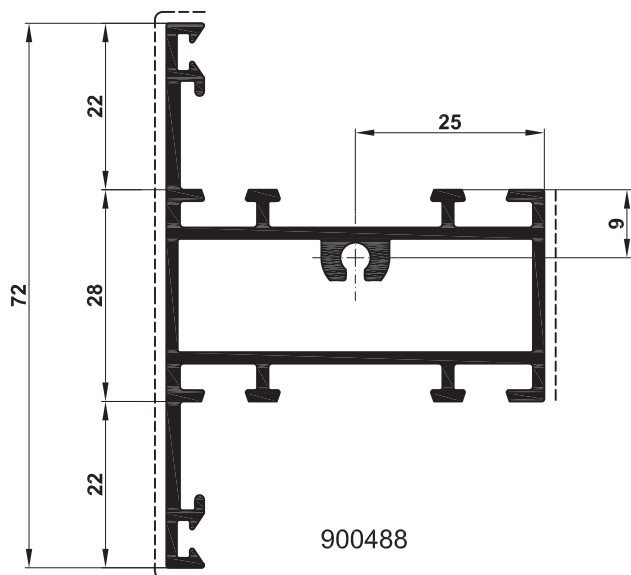
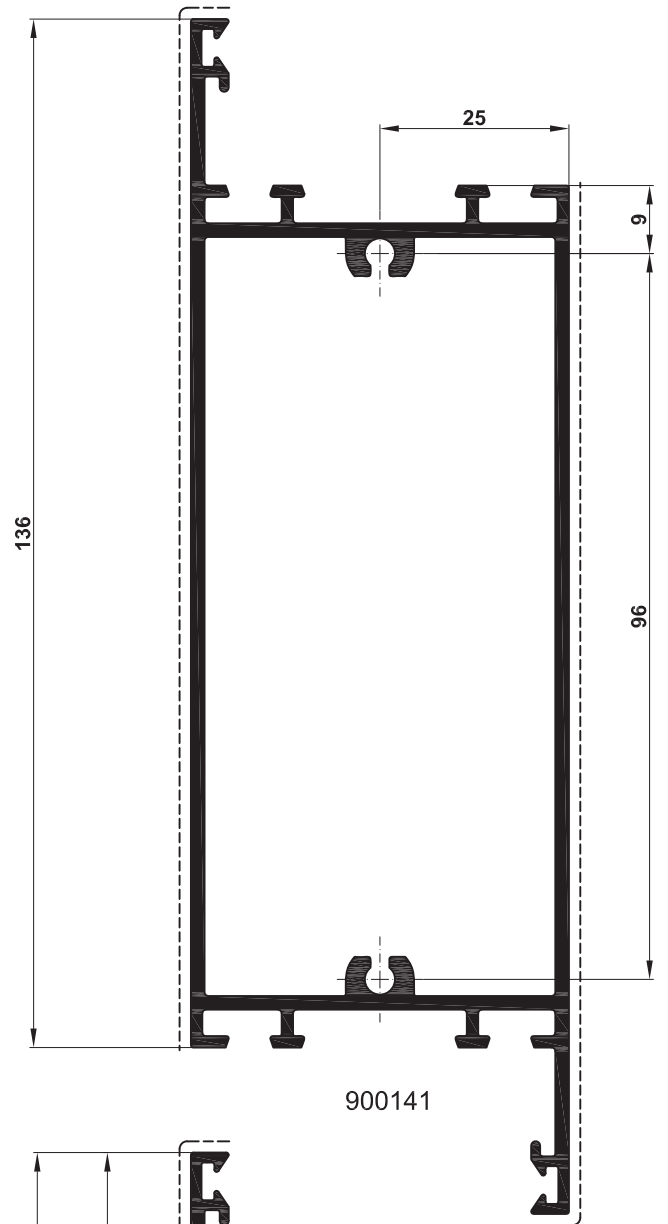
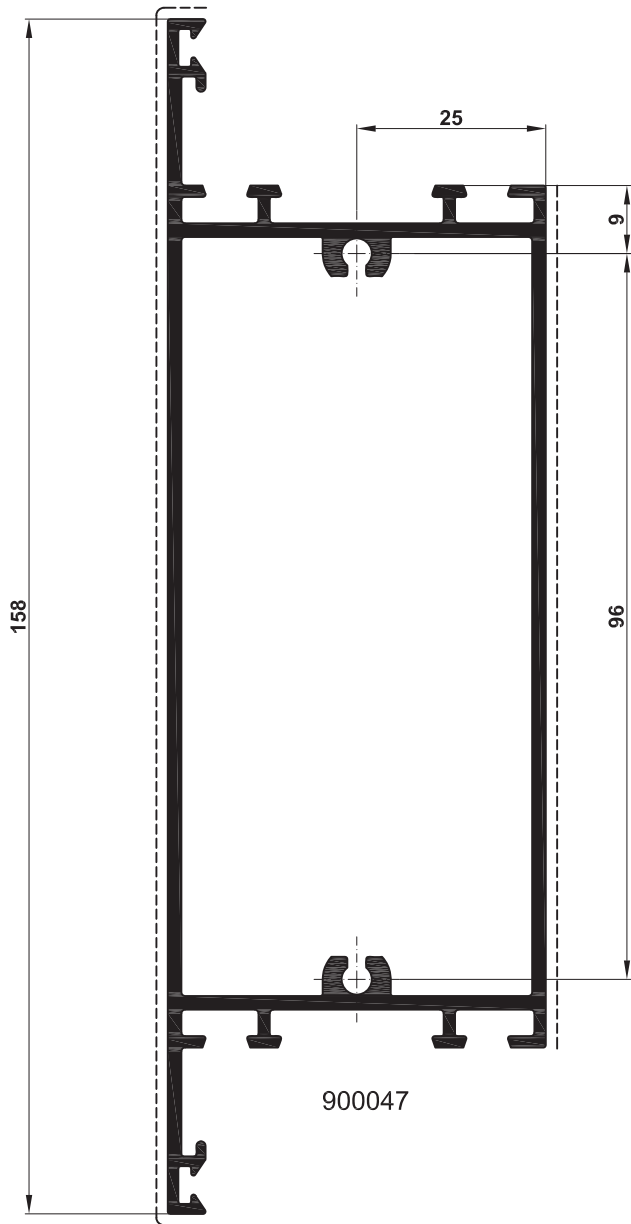


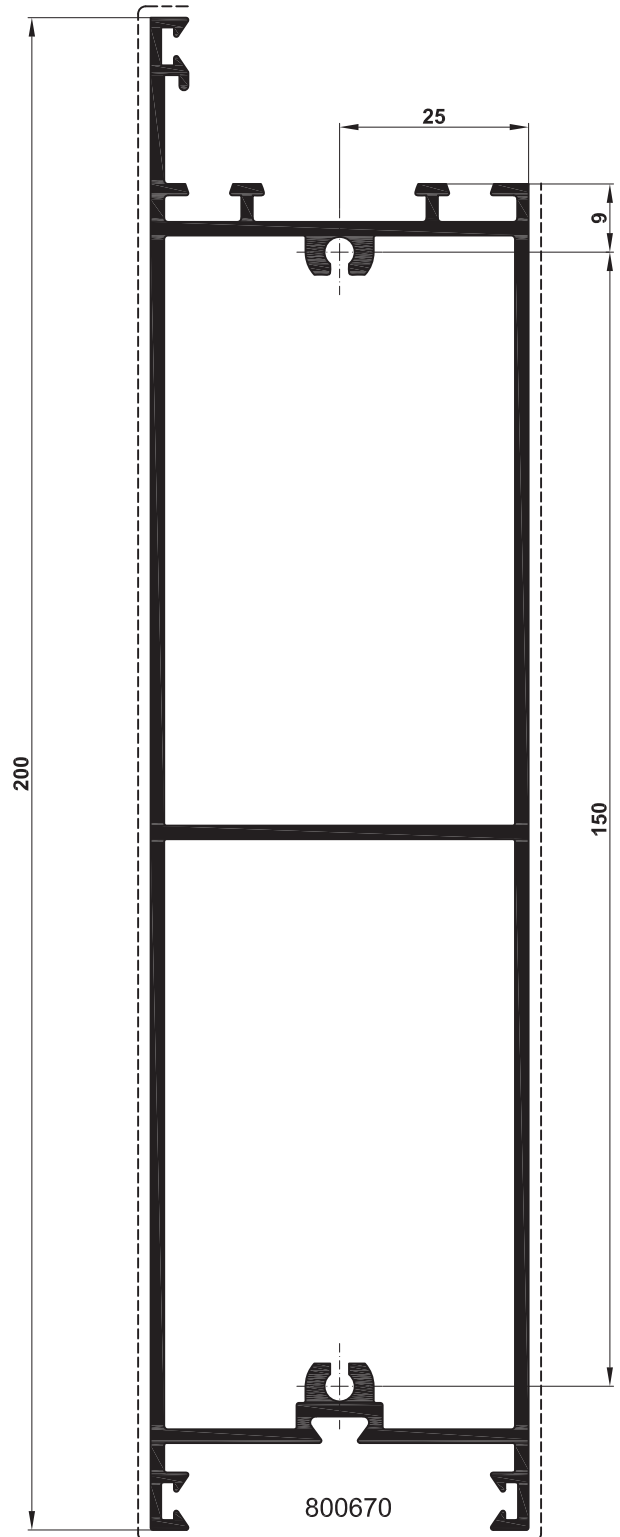
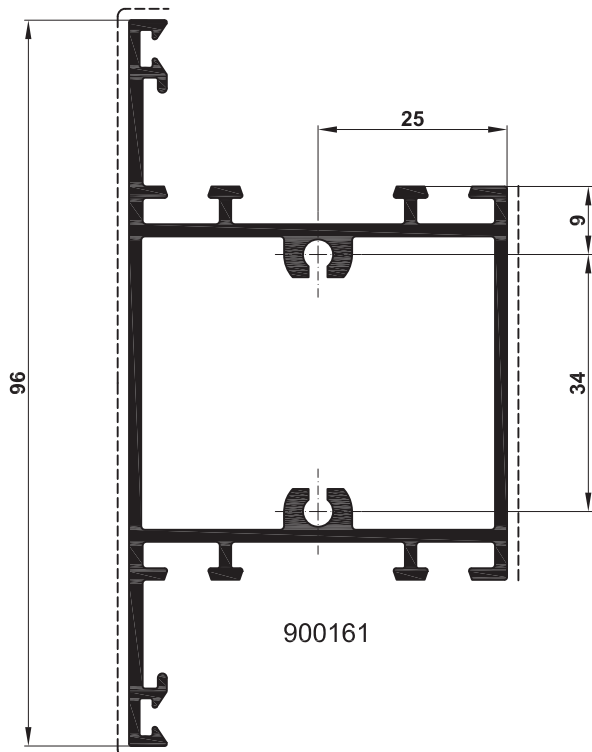
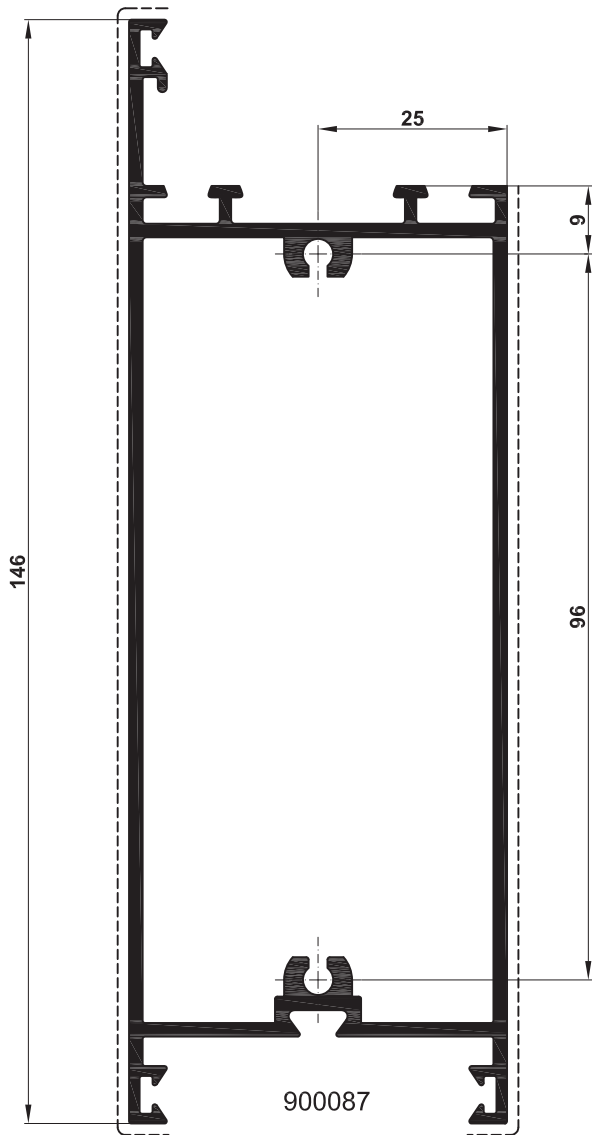


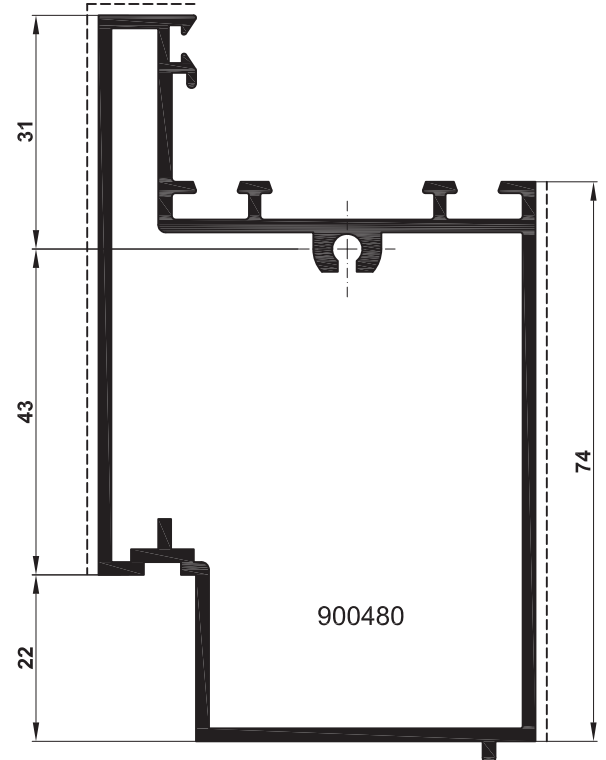
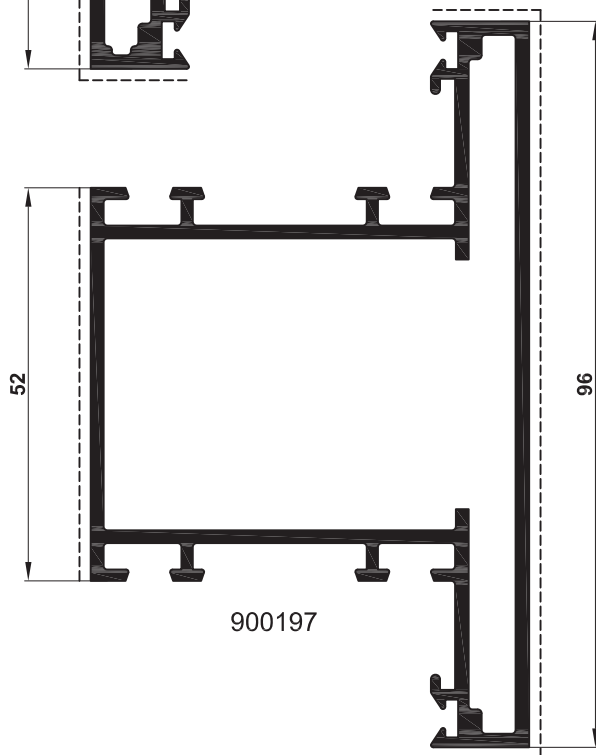
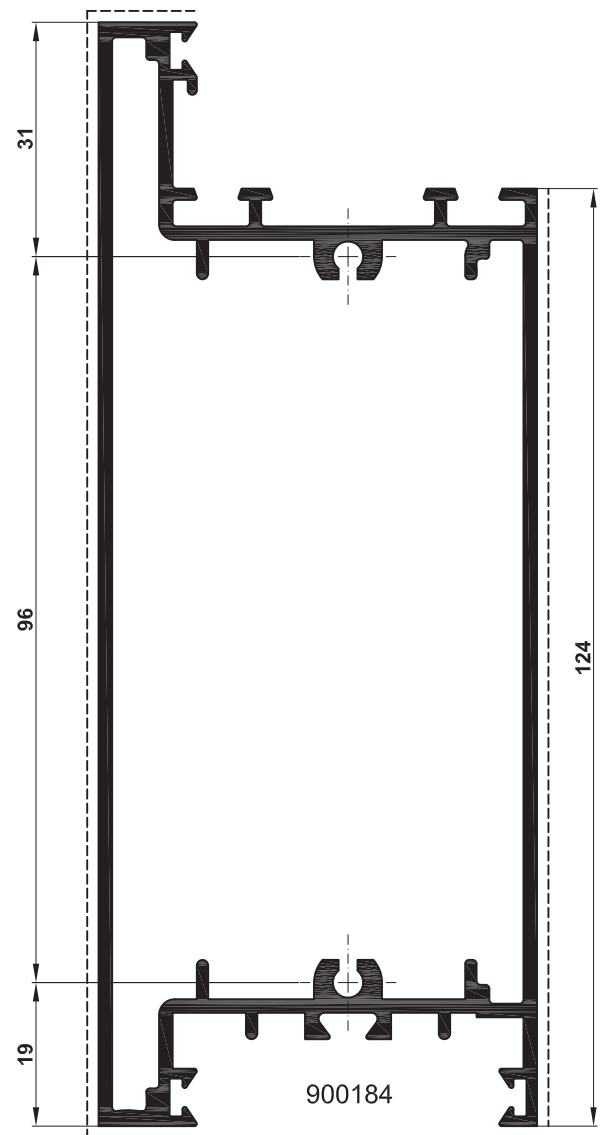
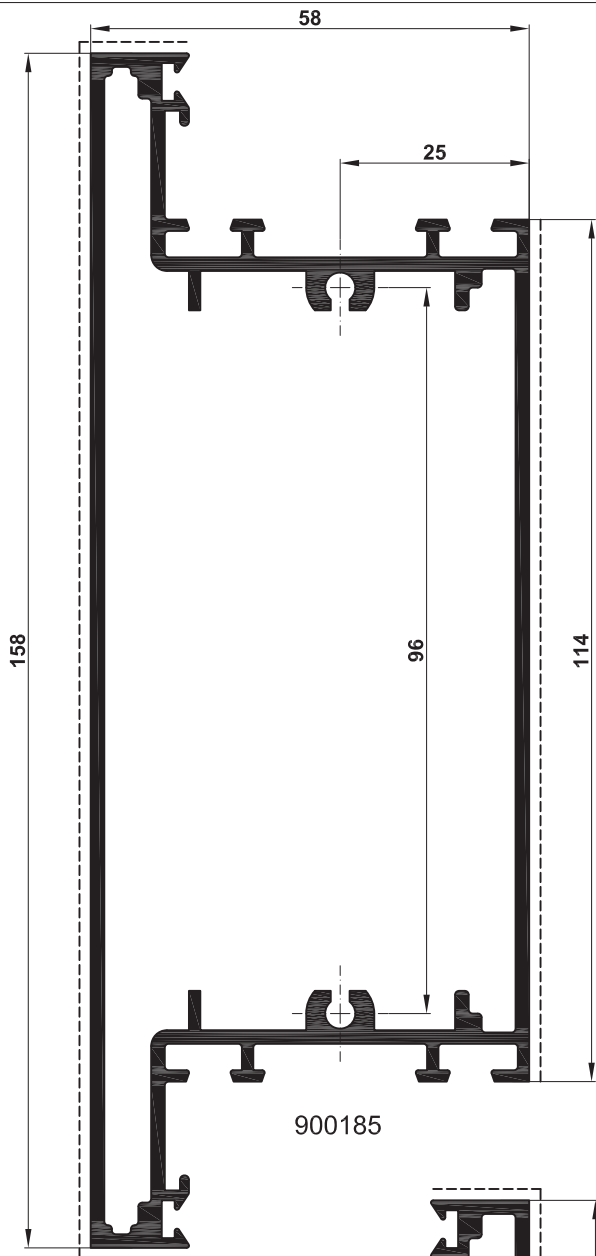
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ADDITIONAL CENTRAL WING

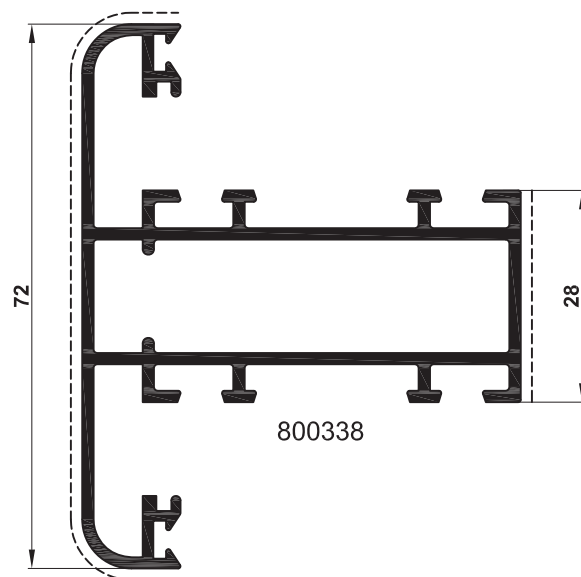




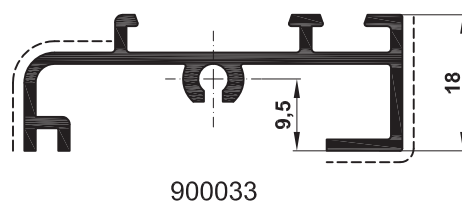
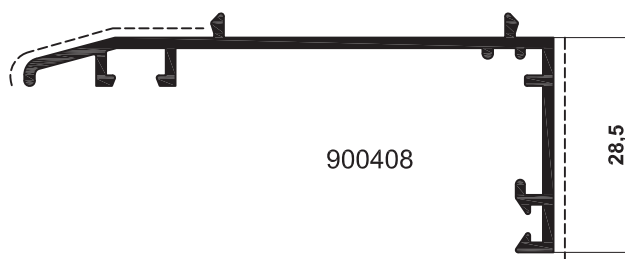


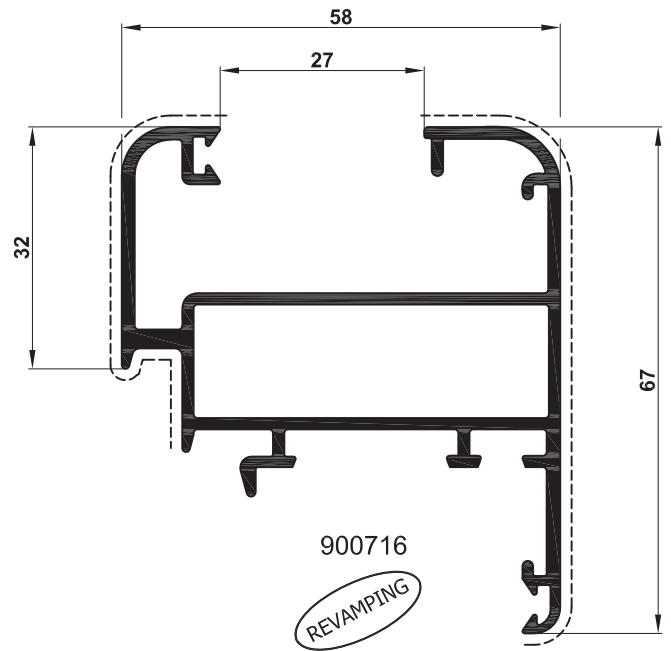
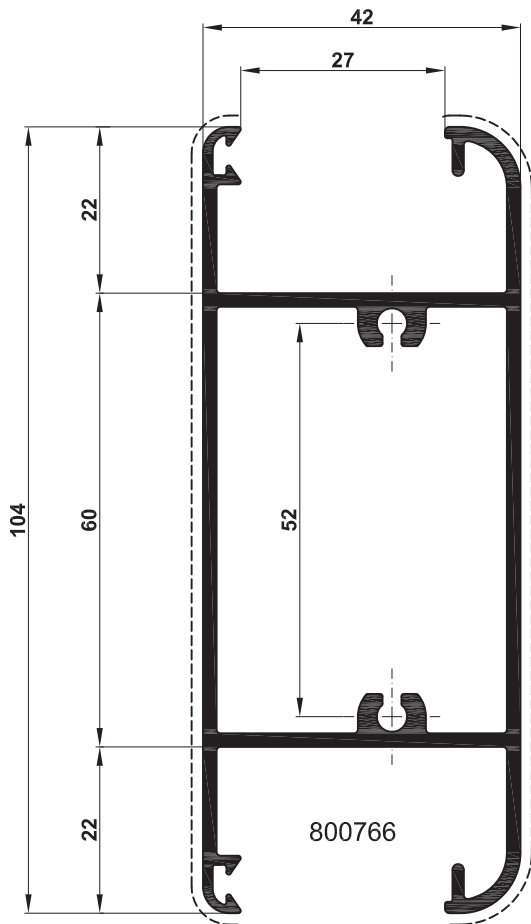




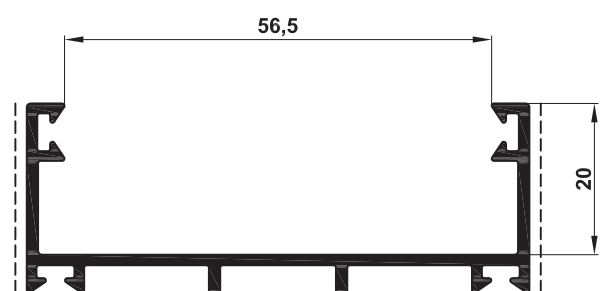
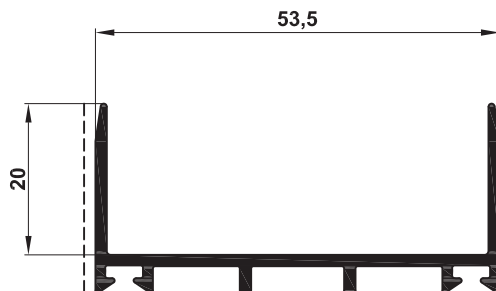
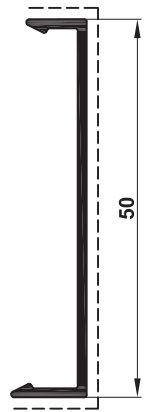
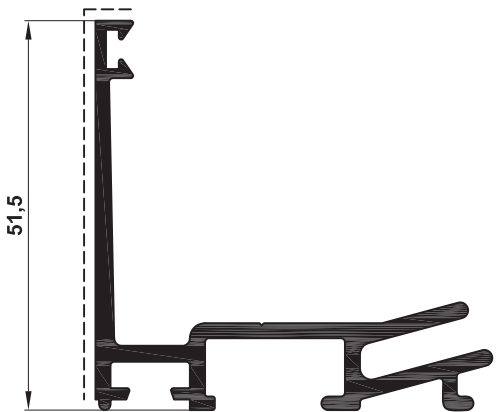


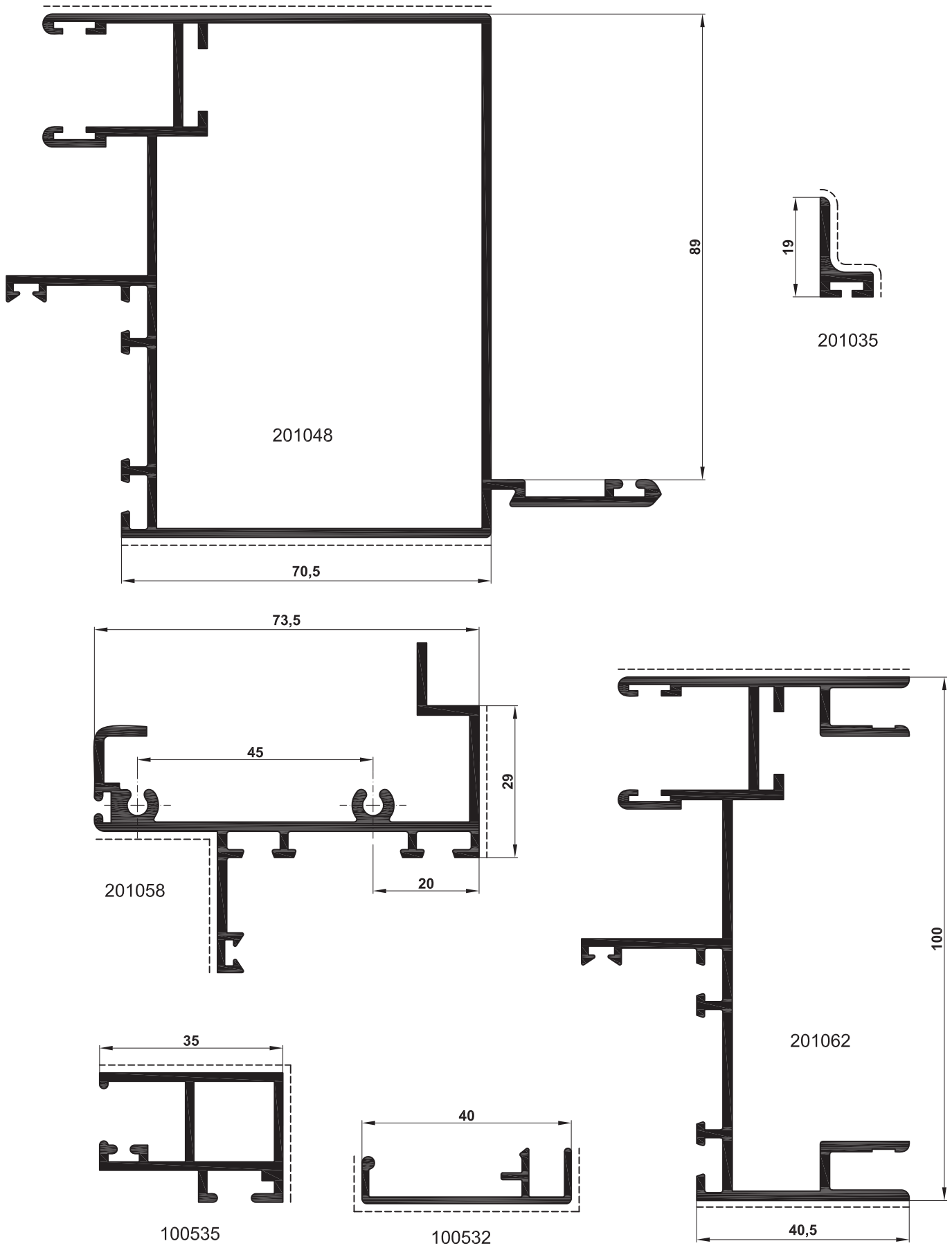
SOTTOZOCOLO E SOGLIA
SCIRTING BOAR AND THRESHOLD

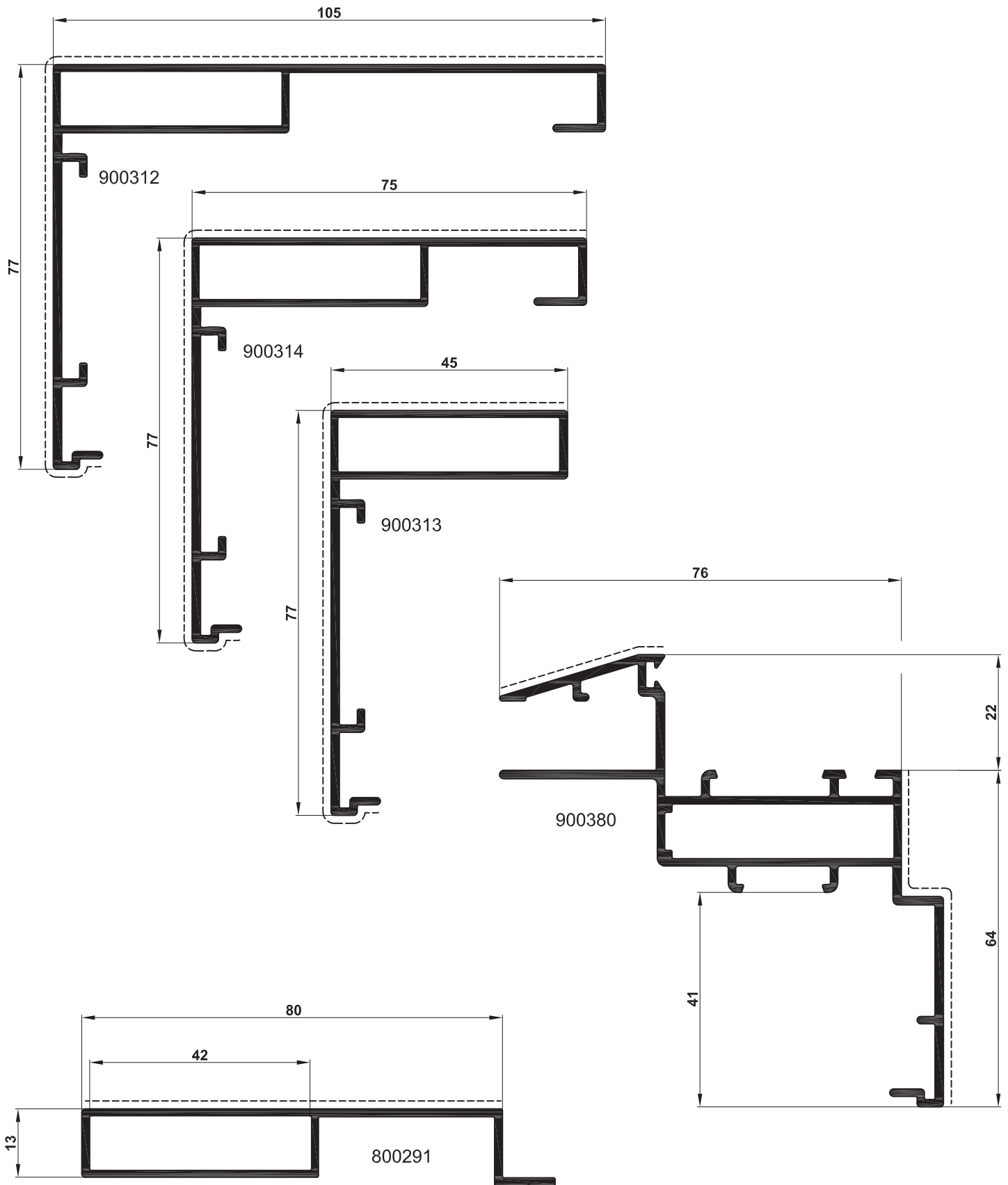


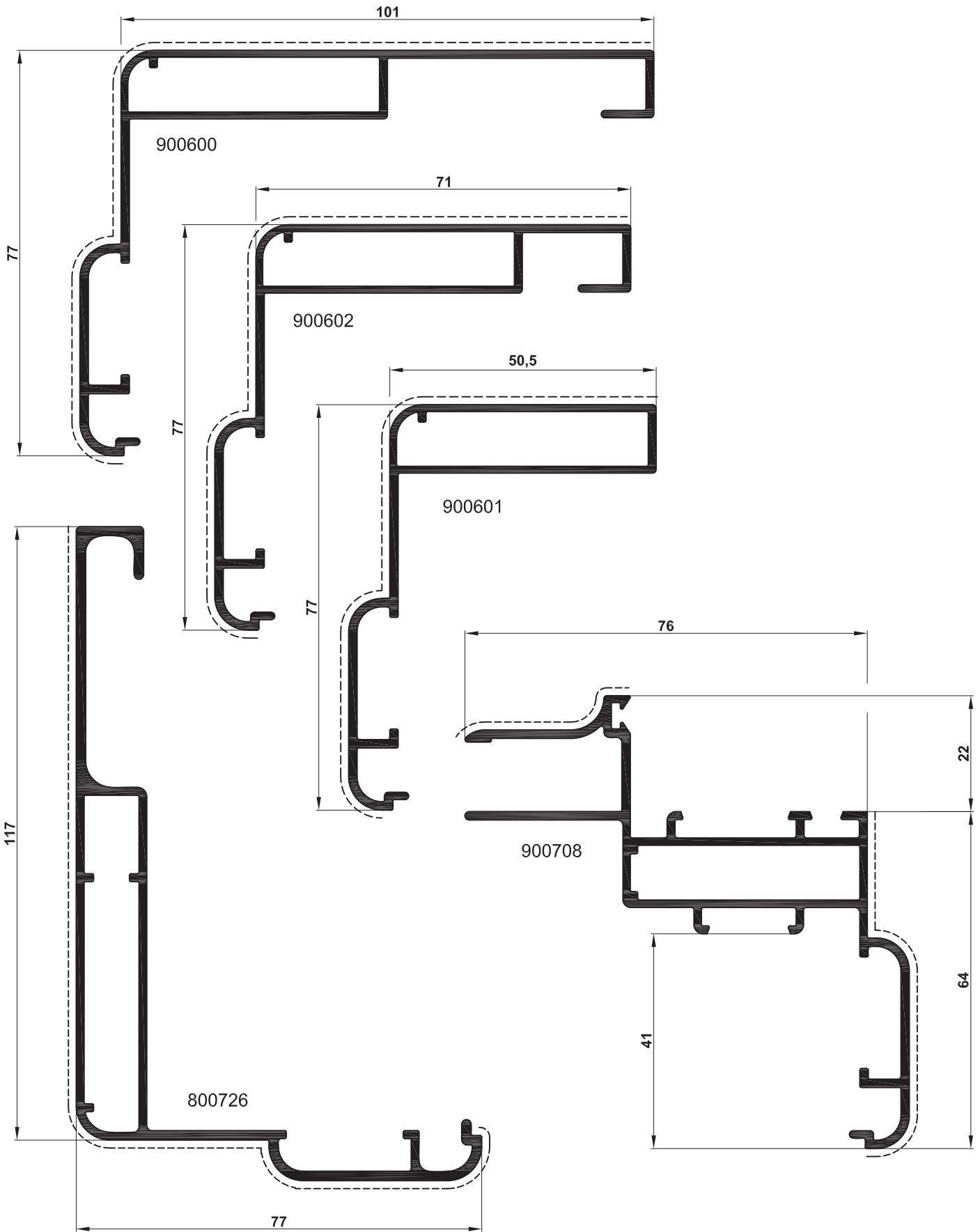


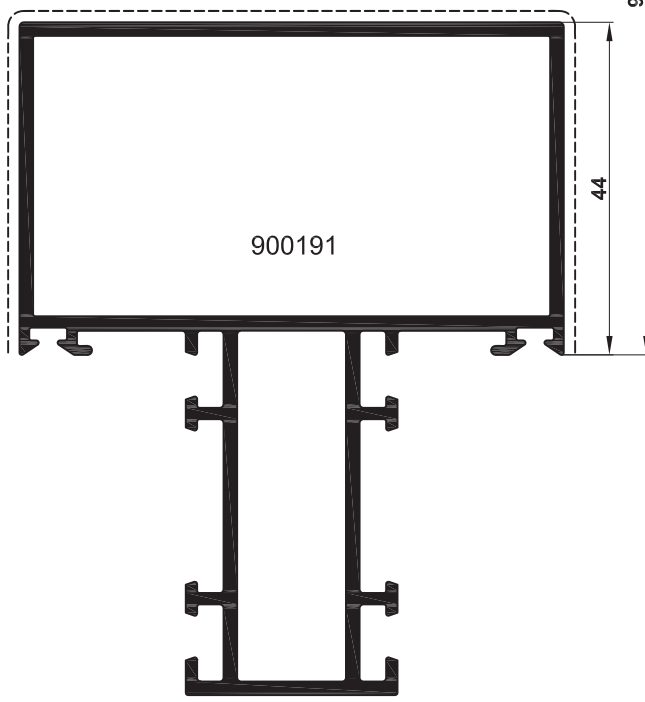
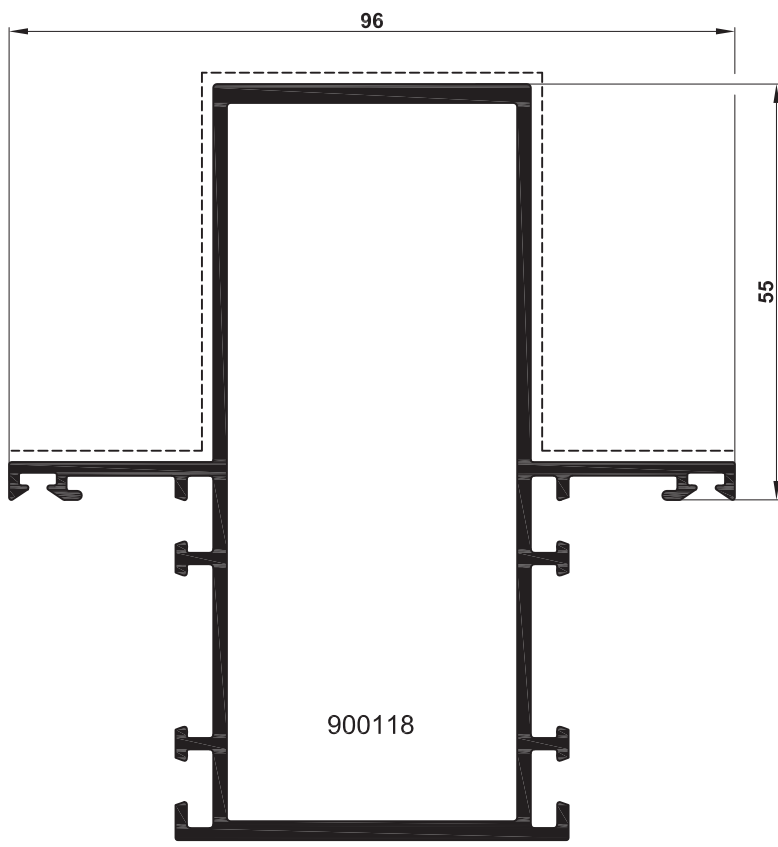
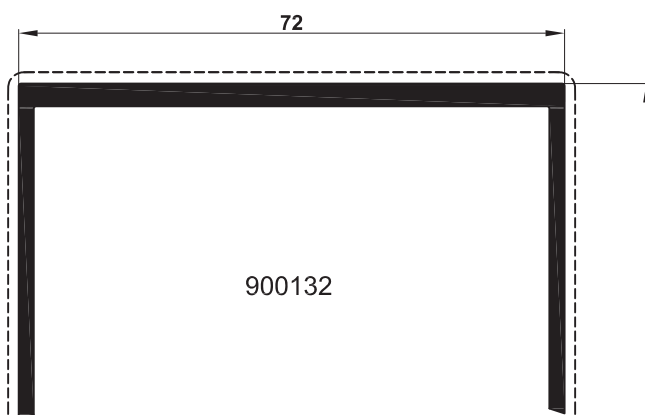
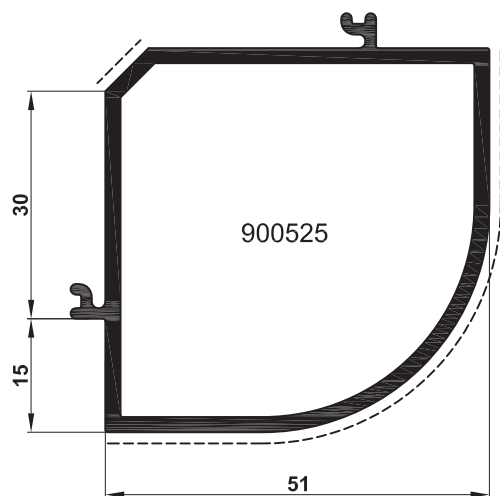
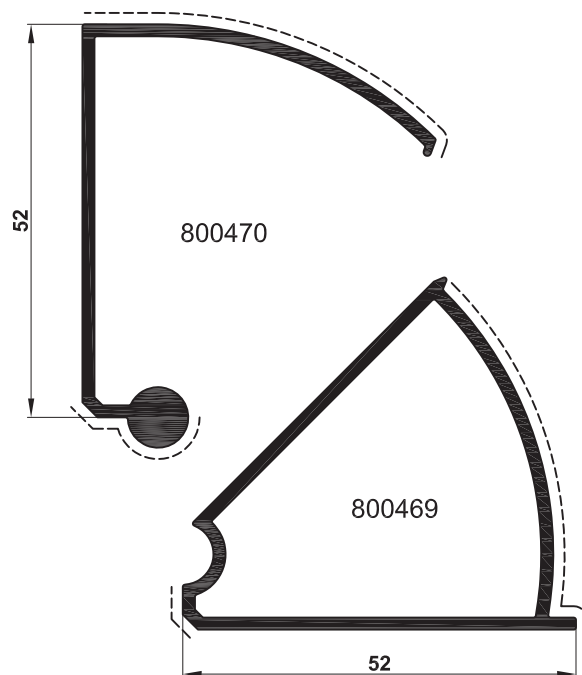
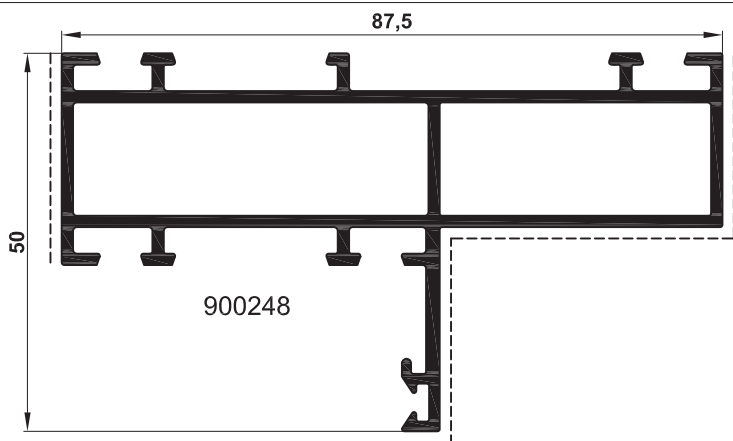
CONTROTELAI
COUNTER FRAMES





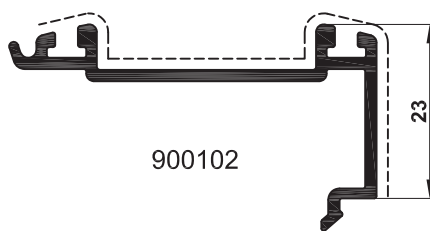




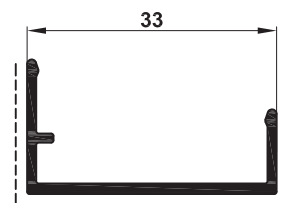




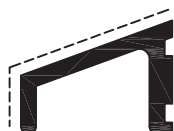
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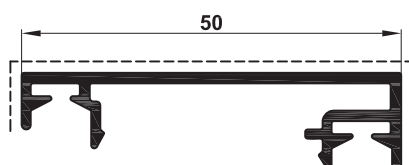
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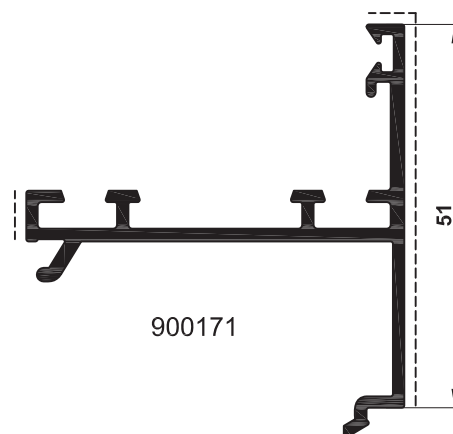
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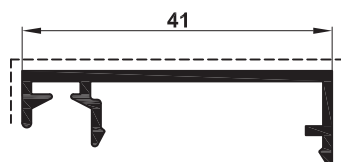
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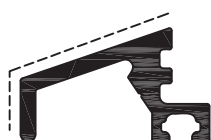
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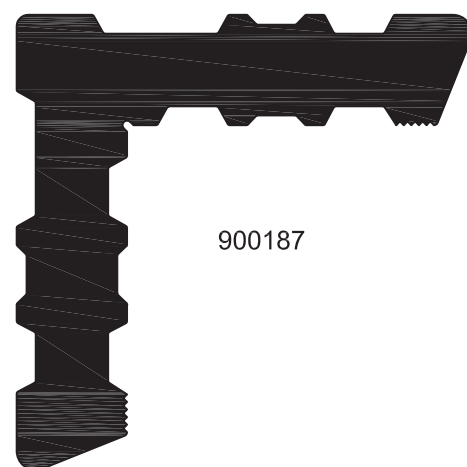
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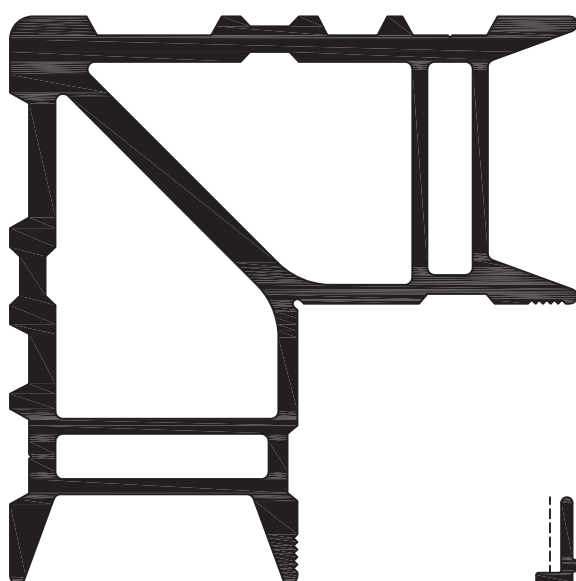
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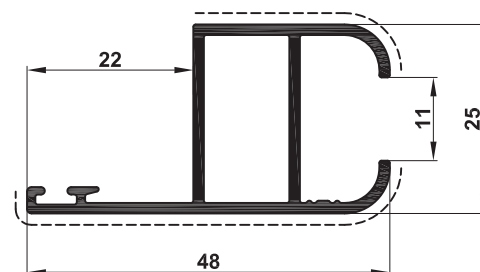
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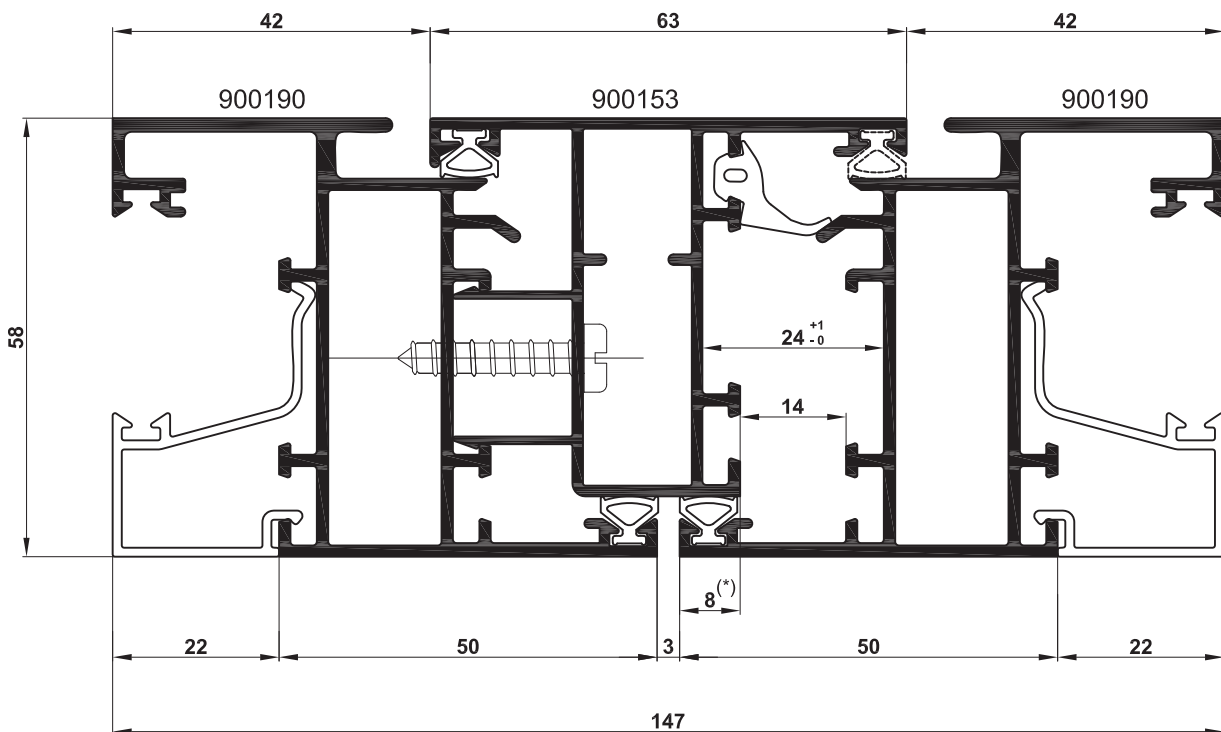
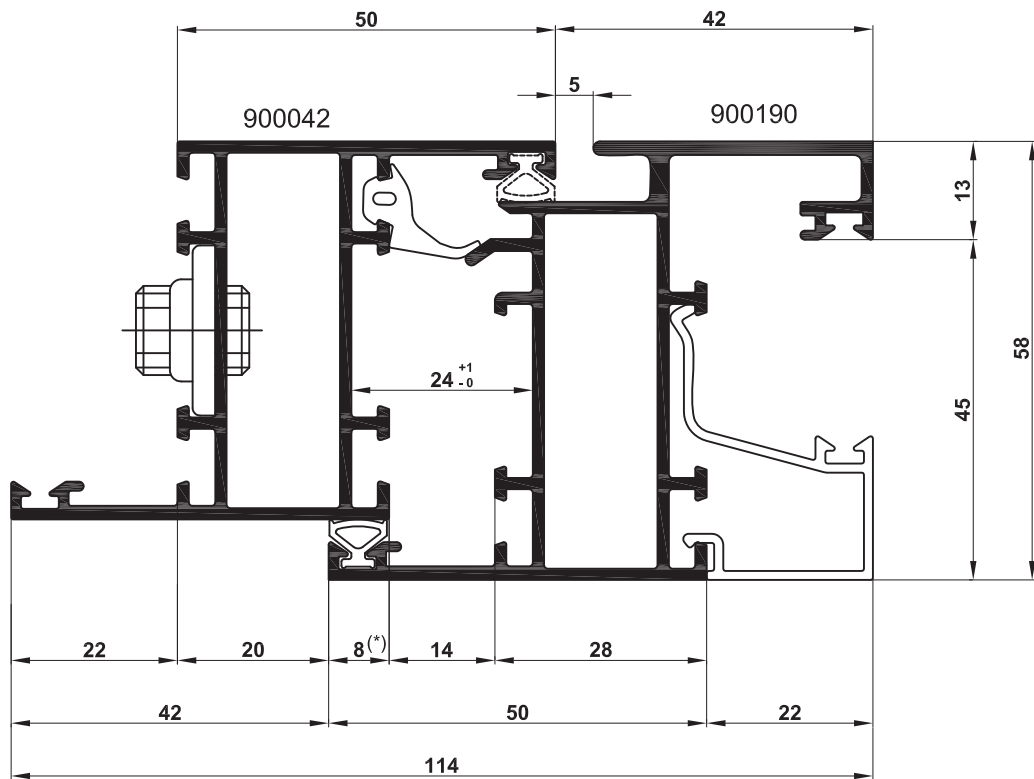
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1F14077



900580



- Sezioni tipiche finestra, porta a battente e anta ribalta.

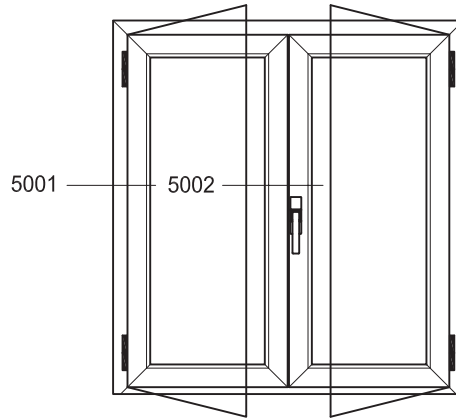
Typical sections of window, door and tilt and turn.

- Per distinte di taglio e inserimento accessori, tenere presente questo schema

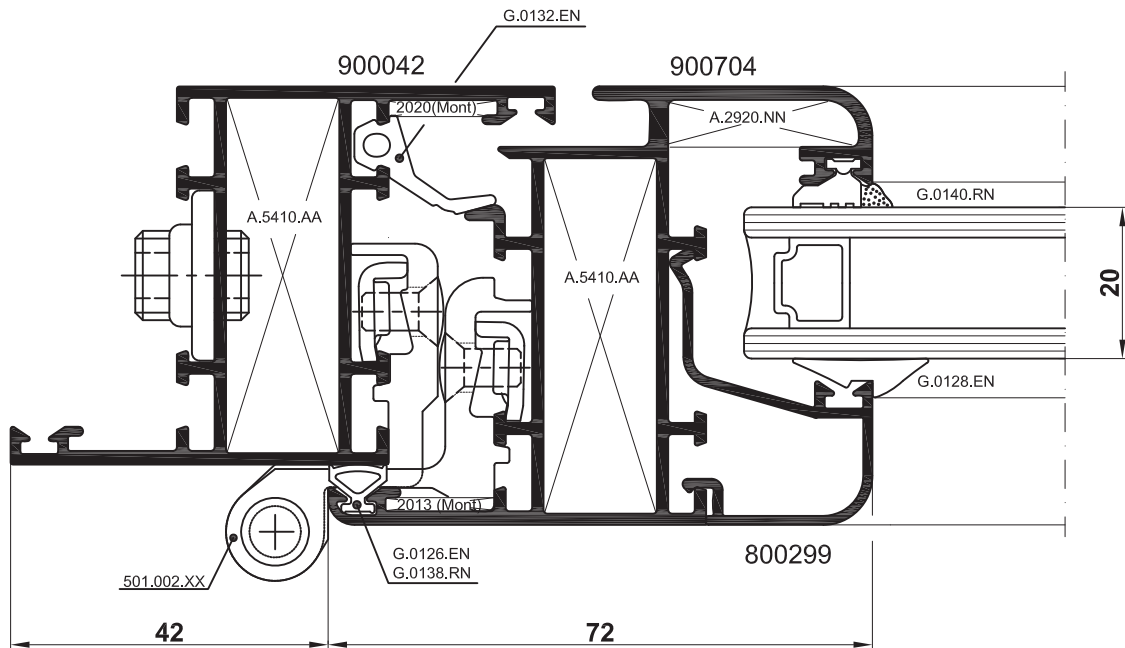
Take this diagram into consideration for cut and accessories

Per anta ribalta "Alutec", consigliamo 7,5 mm

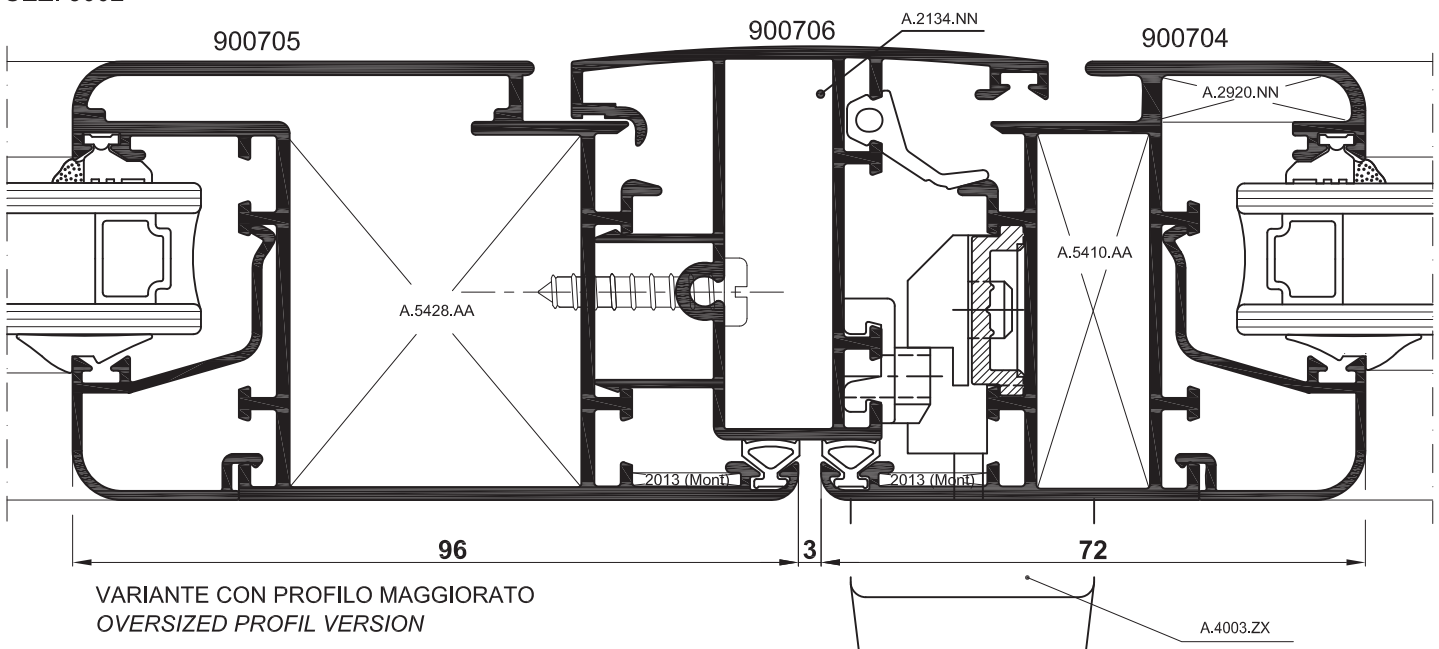
For "Alutec" tilt and turn, we suggest 7,5 mm

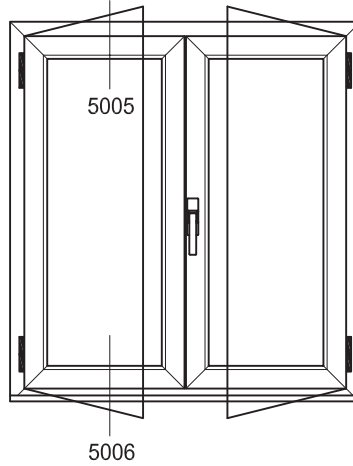


SEZ. 5001



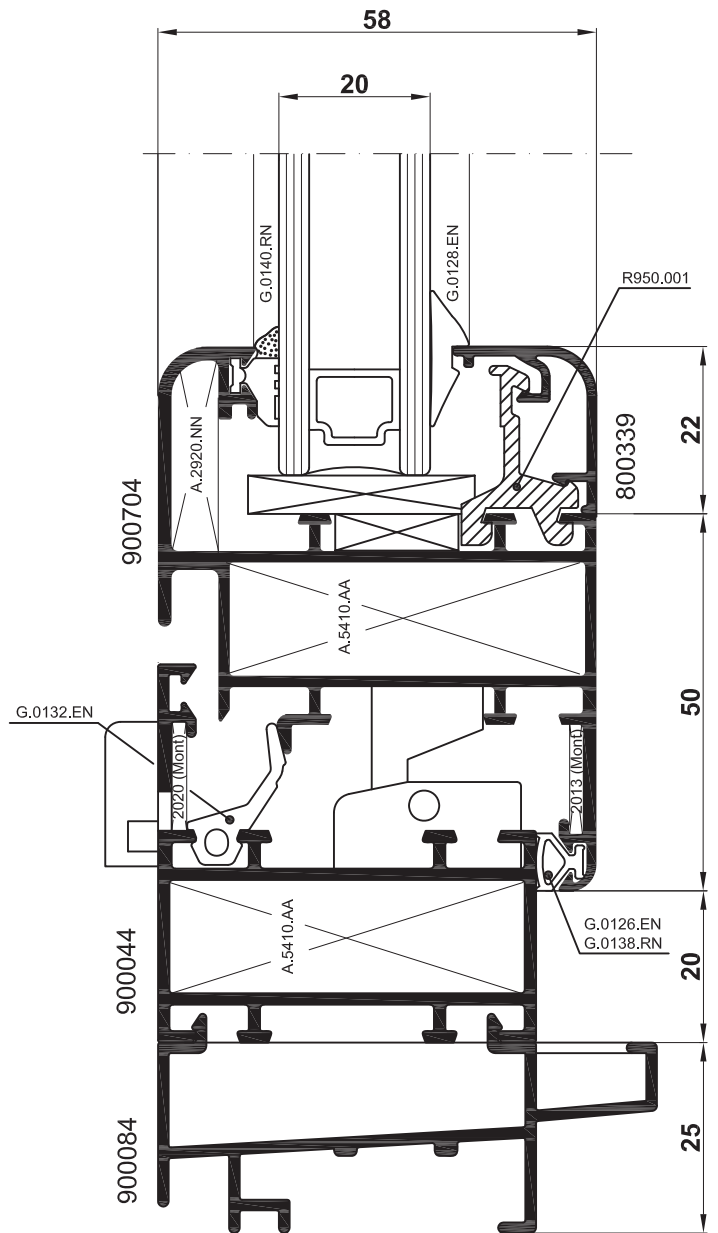
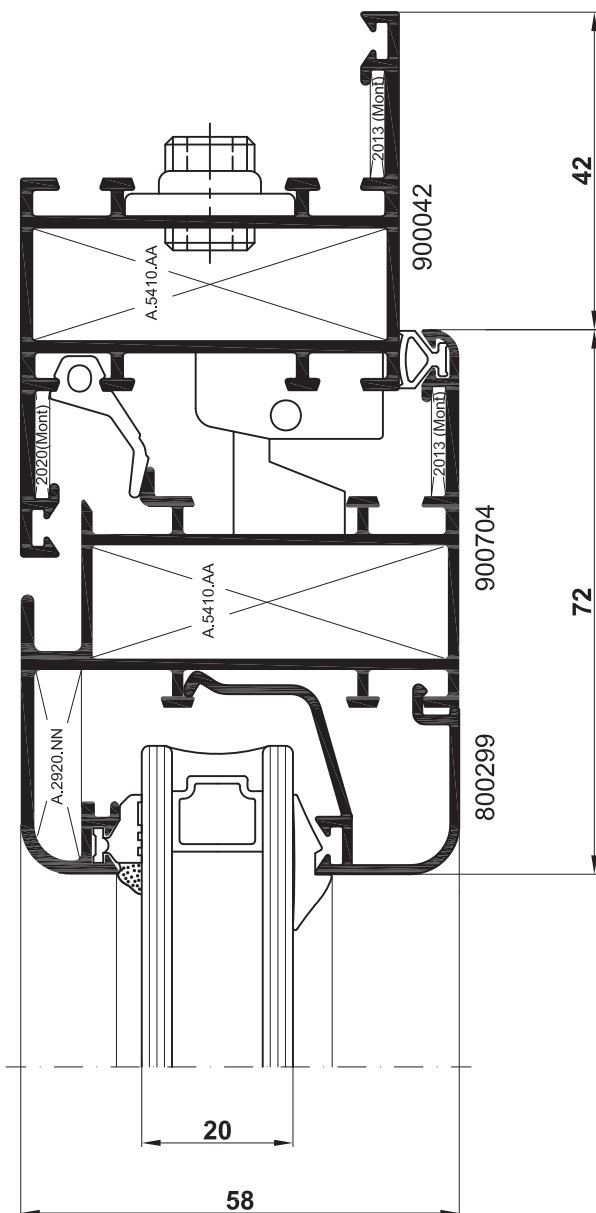
SEZ. 5002

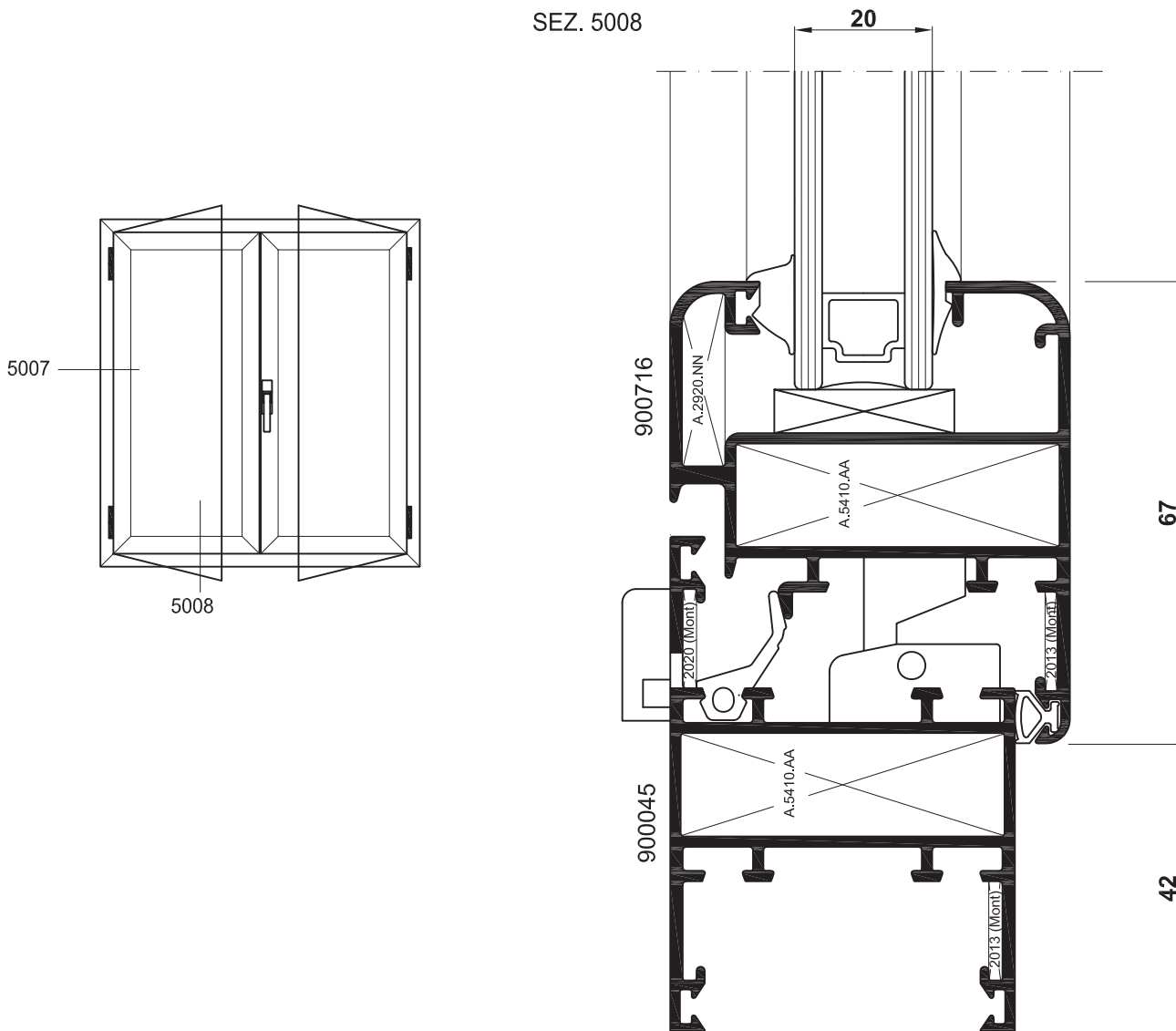




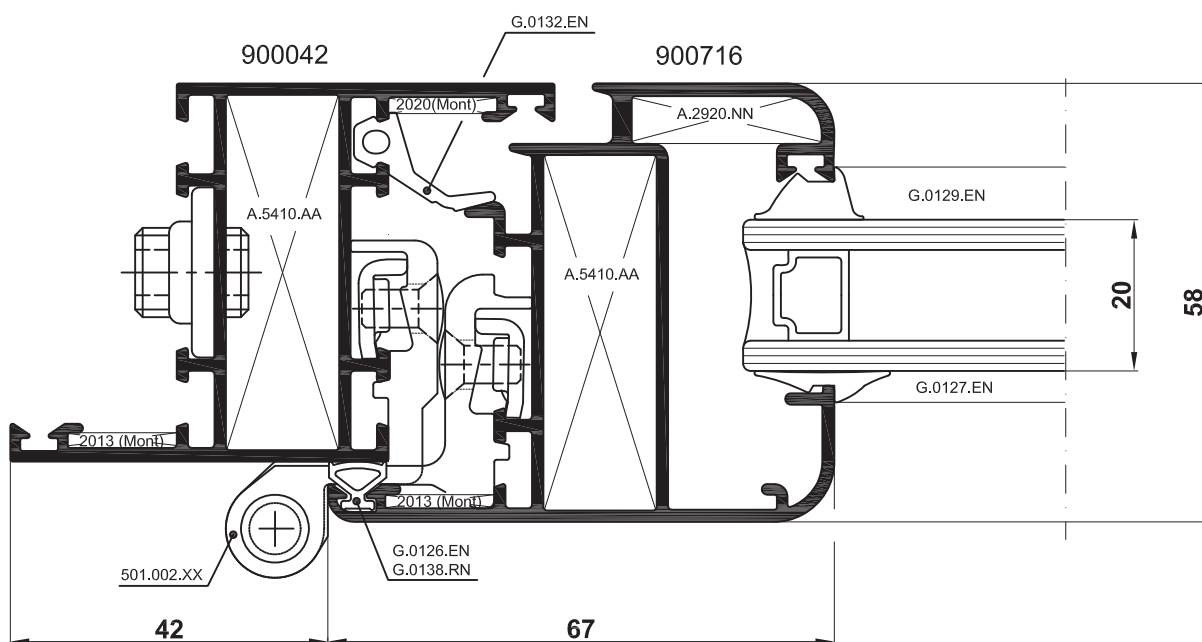
SEZ. 5005

SEZ. 5006

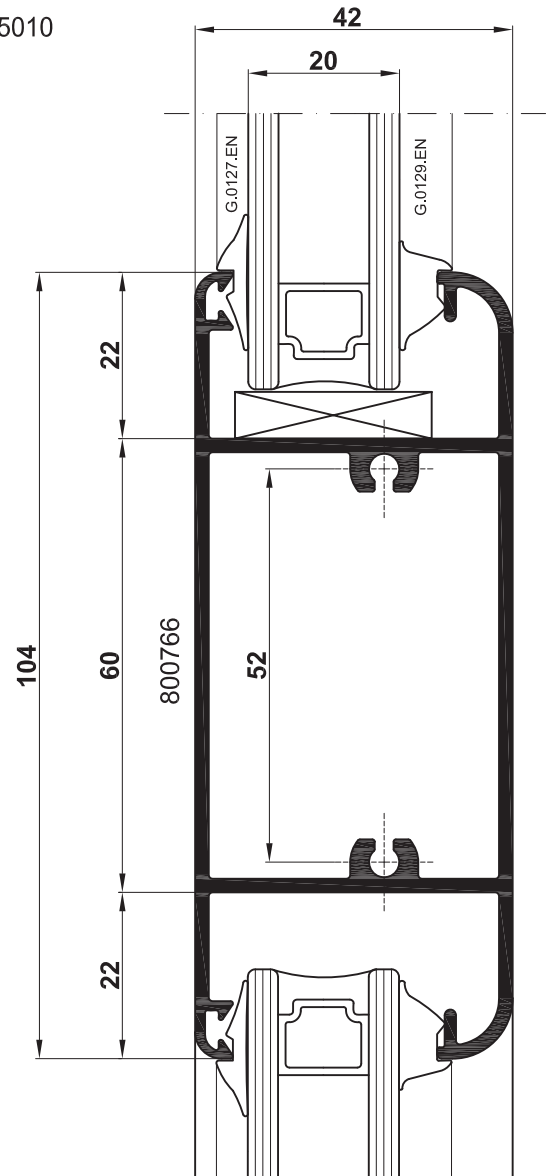
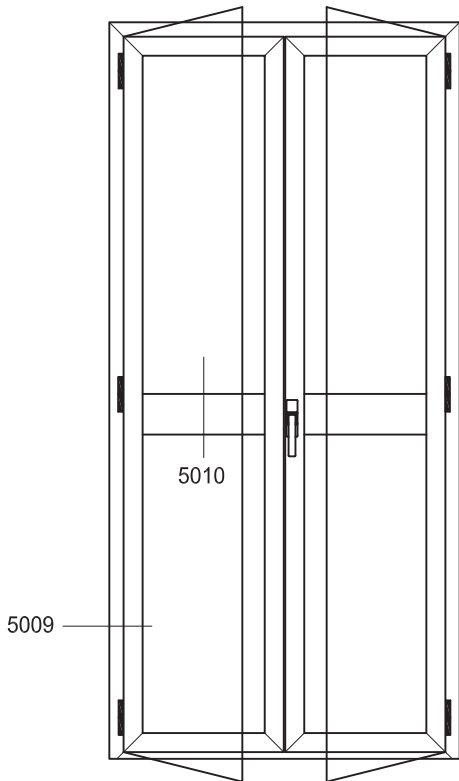




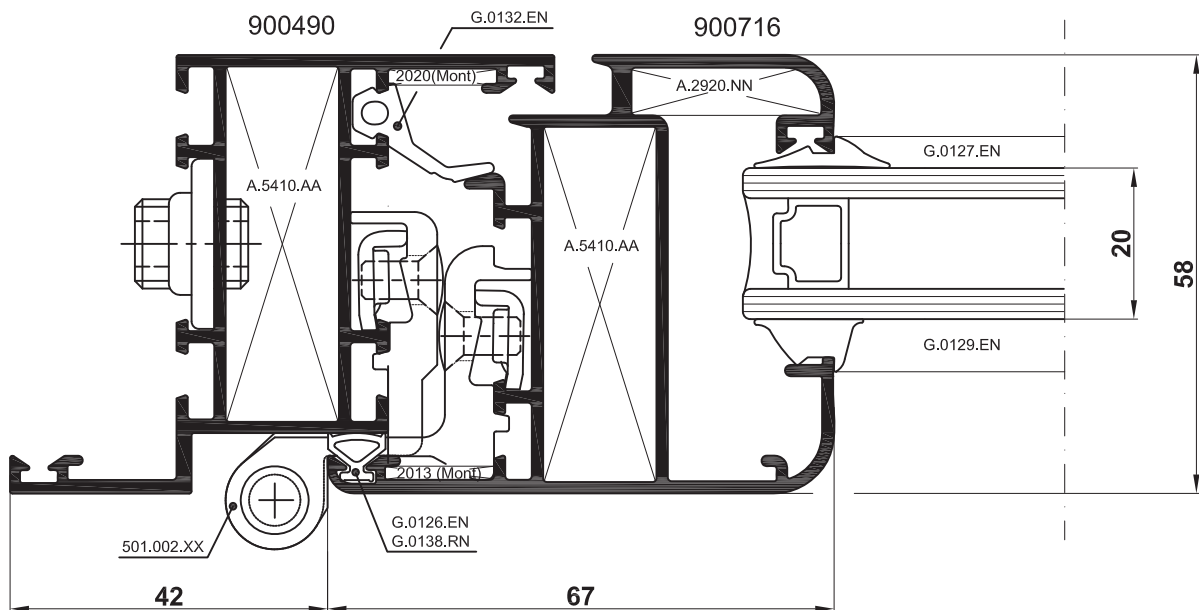
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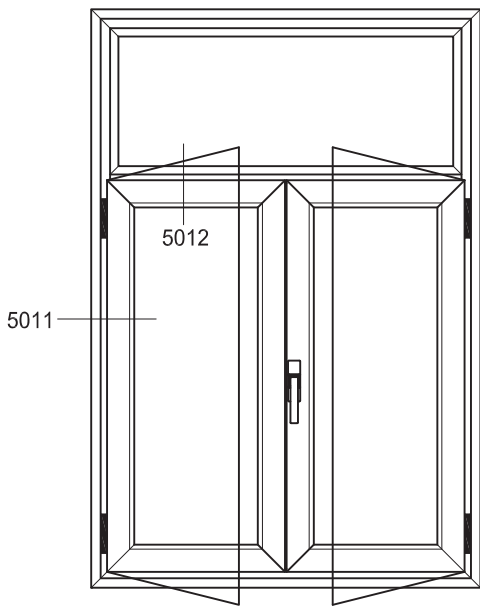


SEZ. 5010

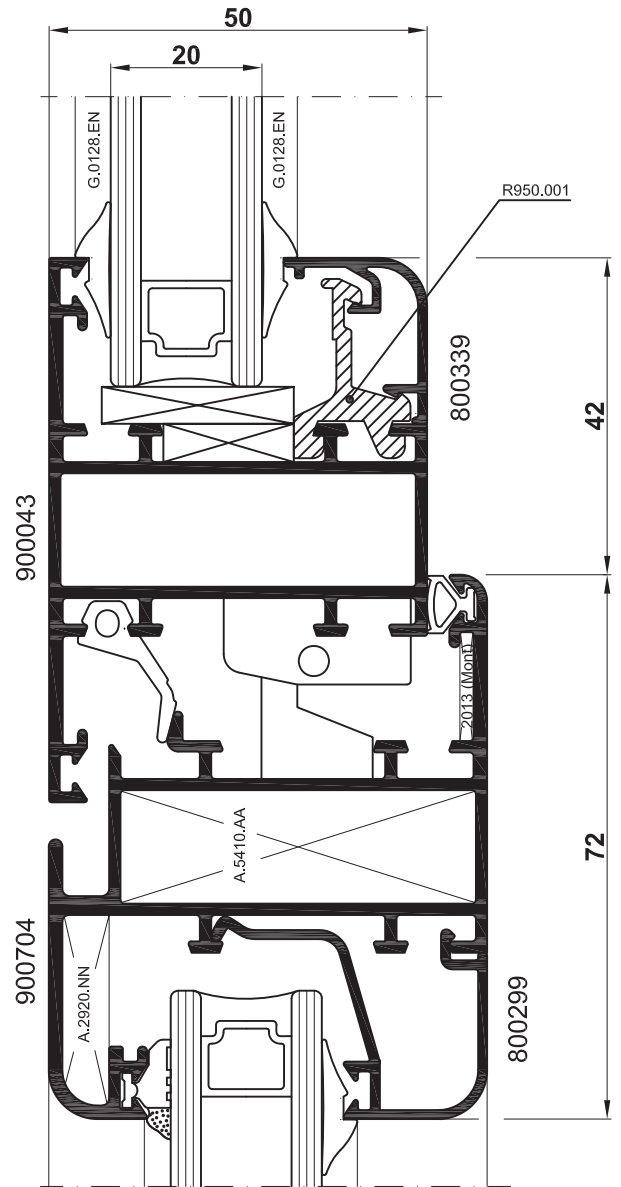


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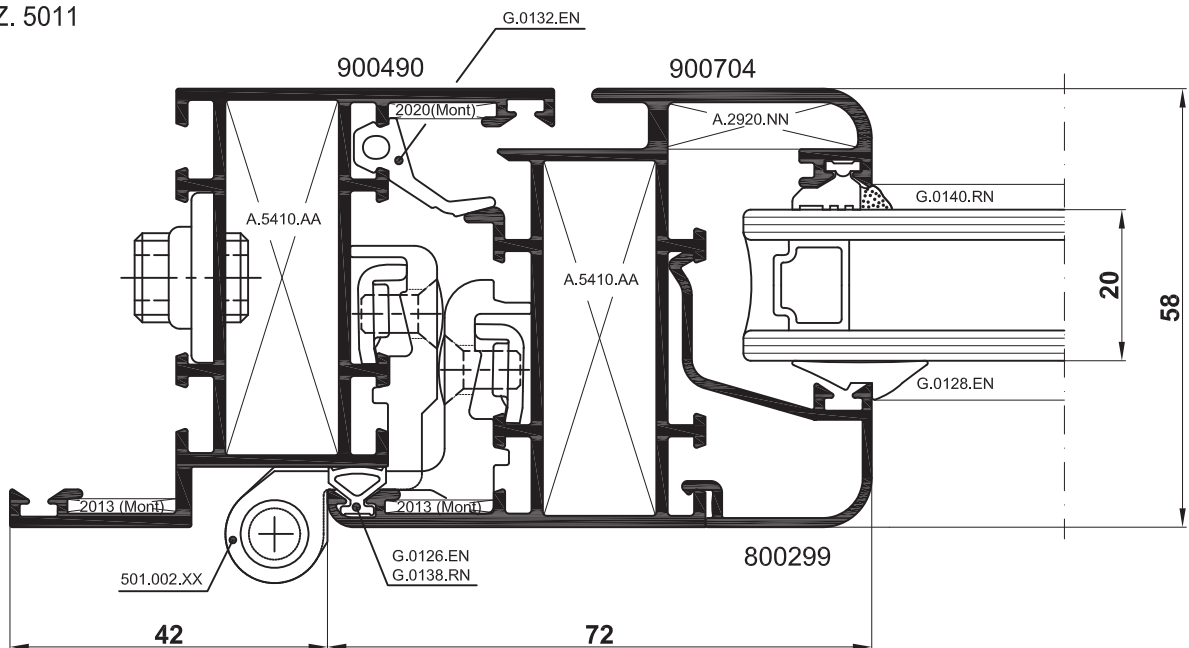


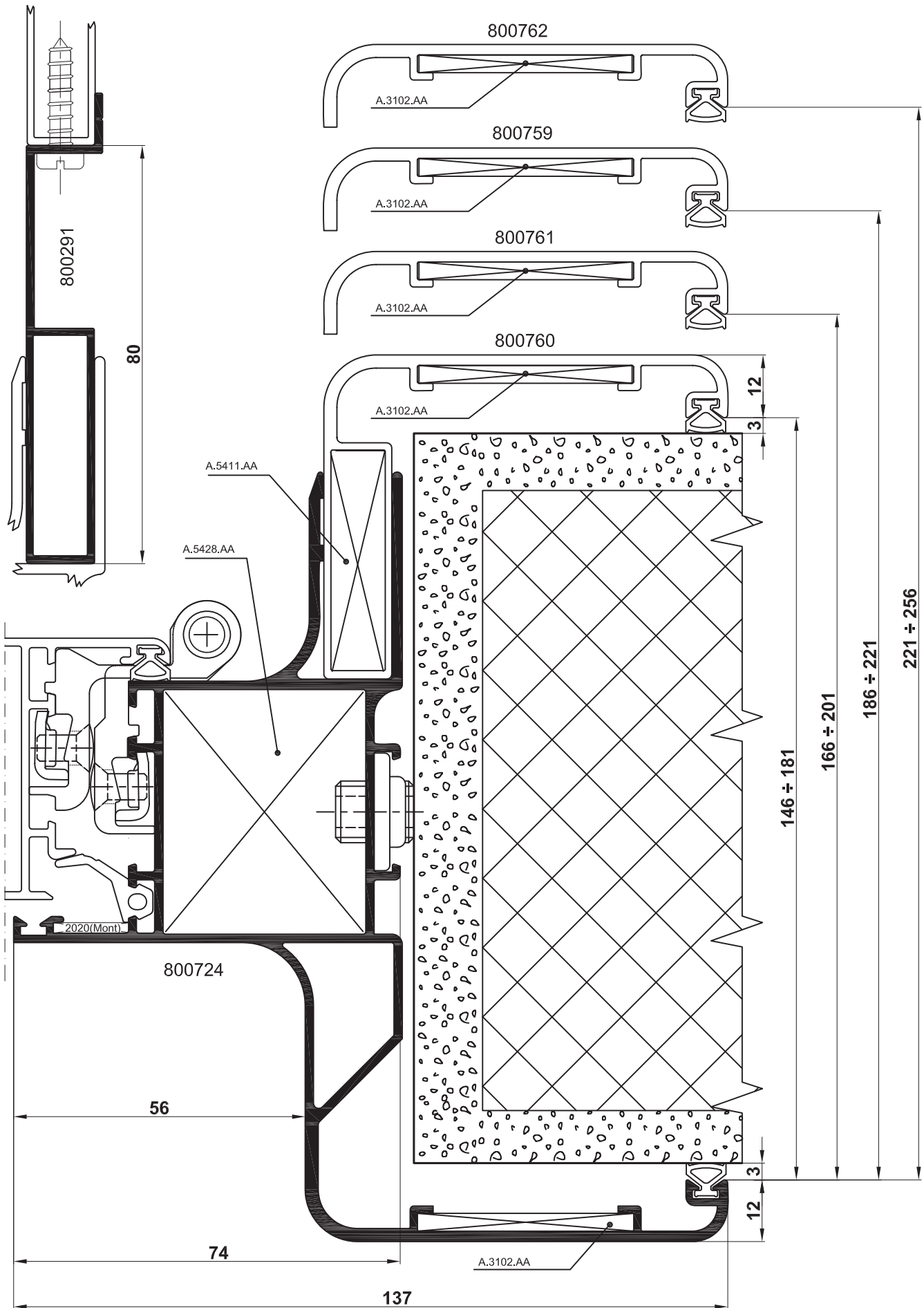


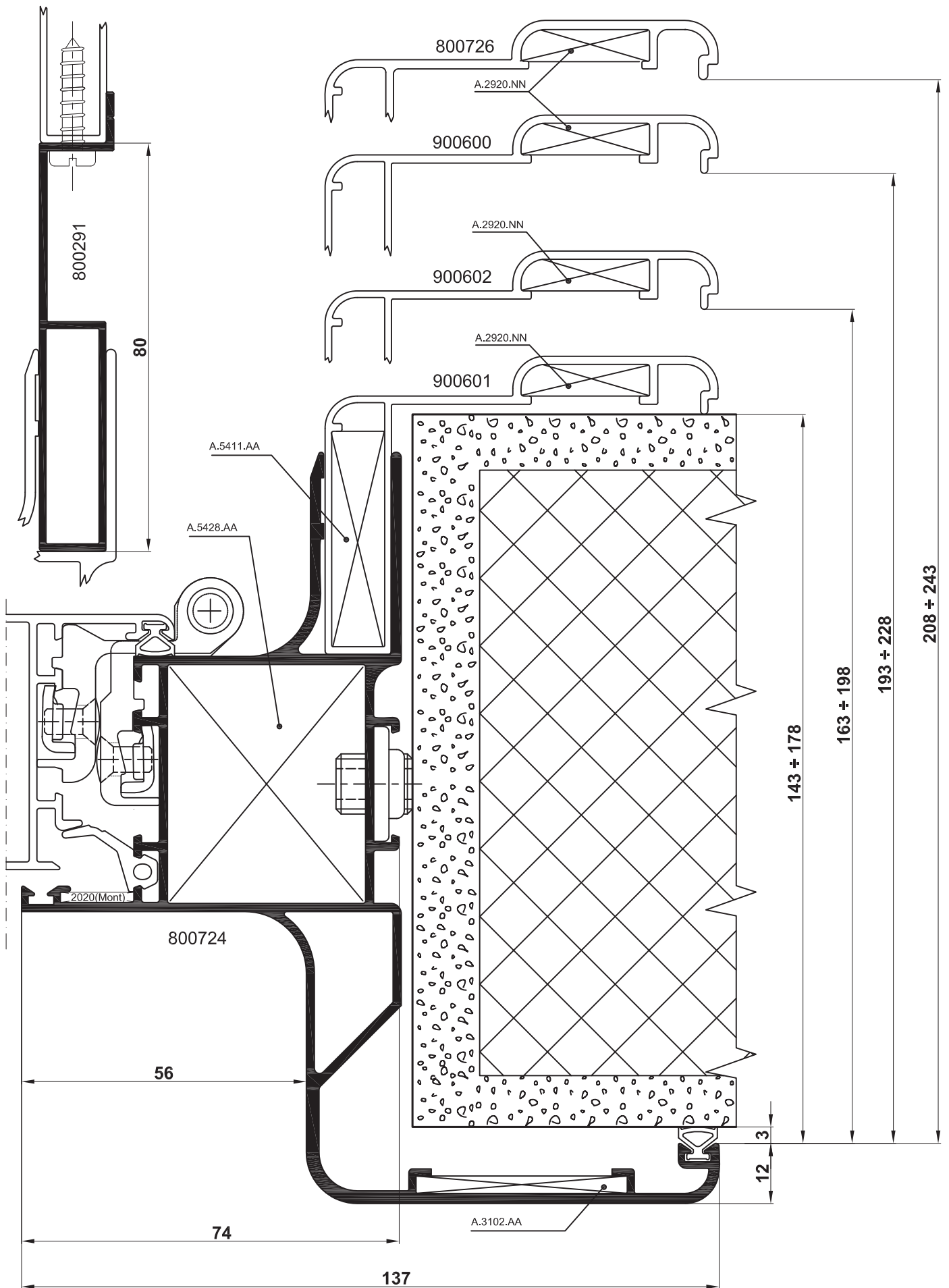
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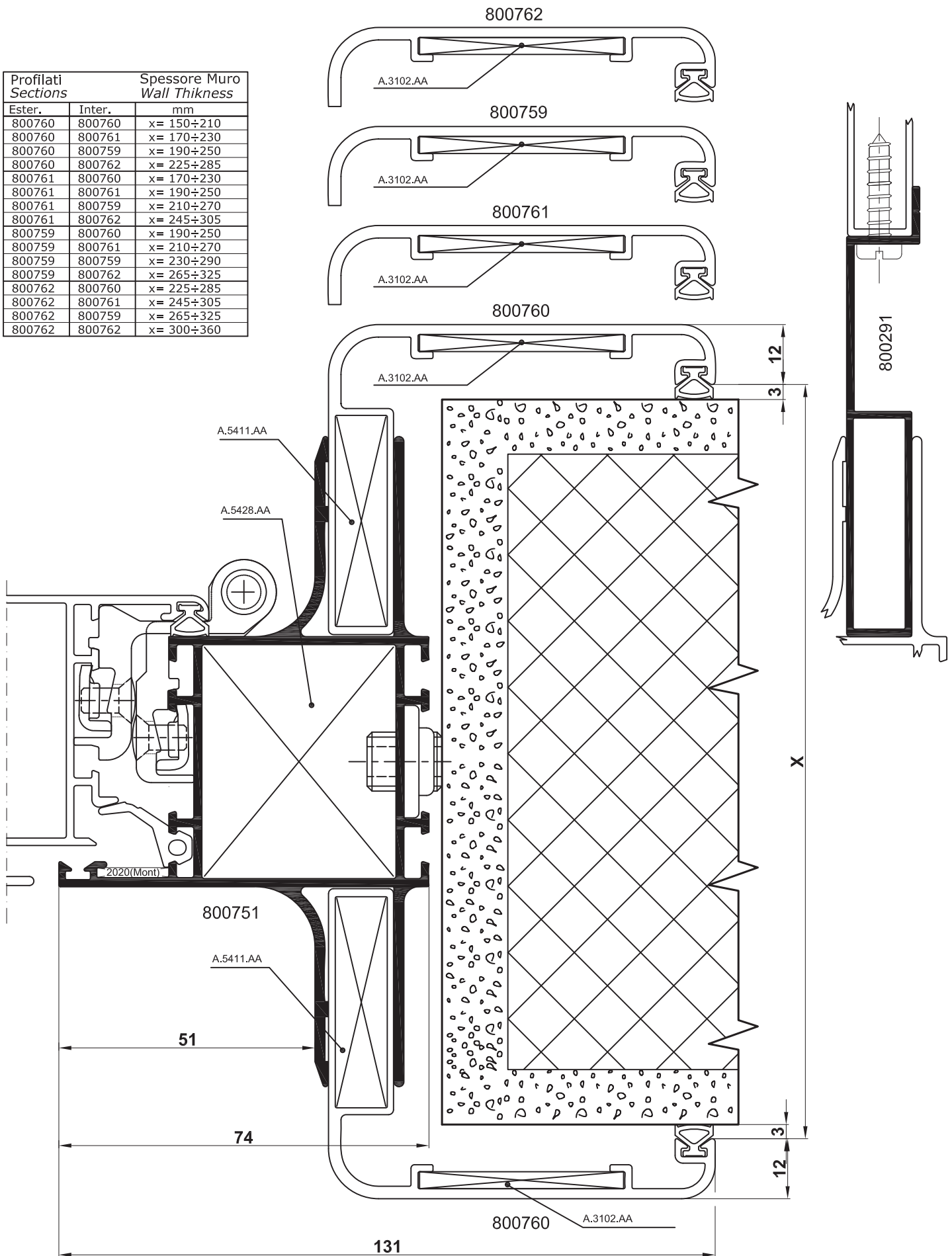
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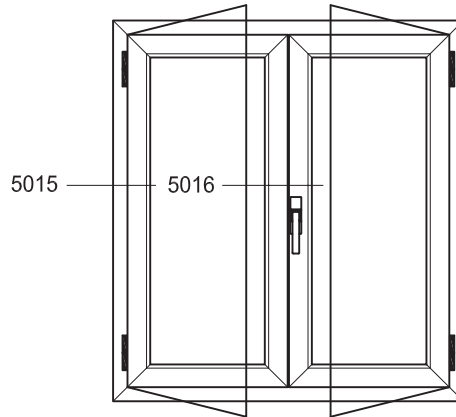




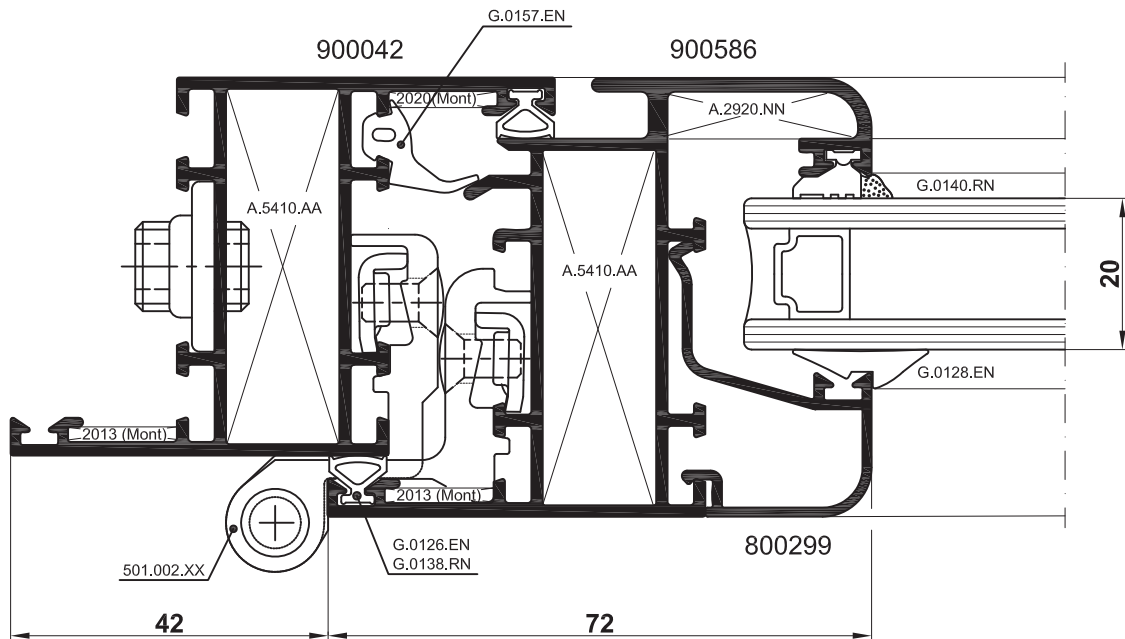


Profilati Sections		Spessore Muro Wall Thickness
Ester.	Inter.	mm
800760	800760	x= 150+210
800760	800761	x= 170+230
800760	800759	x= 190+250
800760	800762	x= 225+285
800761	800760	x= 170+230
800761	800761	x= 190+250
800761	800759	x= 210+270
800761	800762	x= 245+305
800759	800760	x= 190+250
800759	800761	x= 210+270
800759	800759	x= 230+290
800759	800762	x= 265+325
800762	800760	x= 225+285
800762	800761	x= 245+305
800762	800759	x= 265+325
800762	800762	x= 300+360

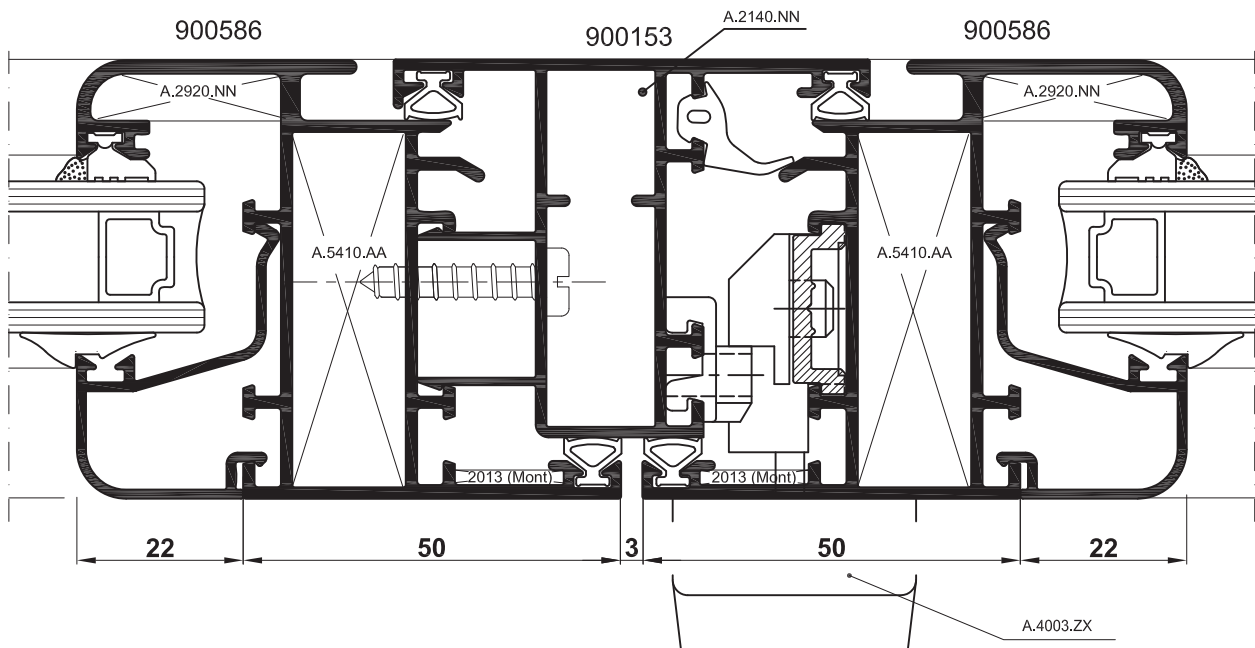


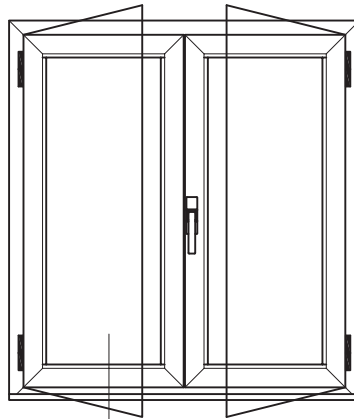


SEZ. 5015



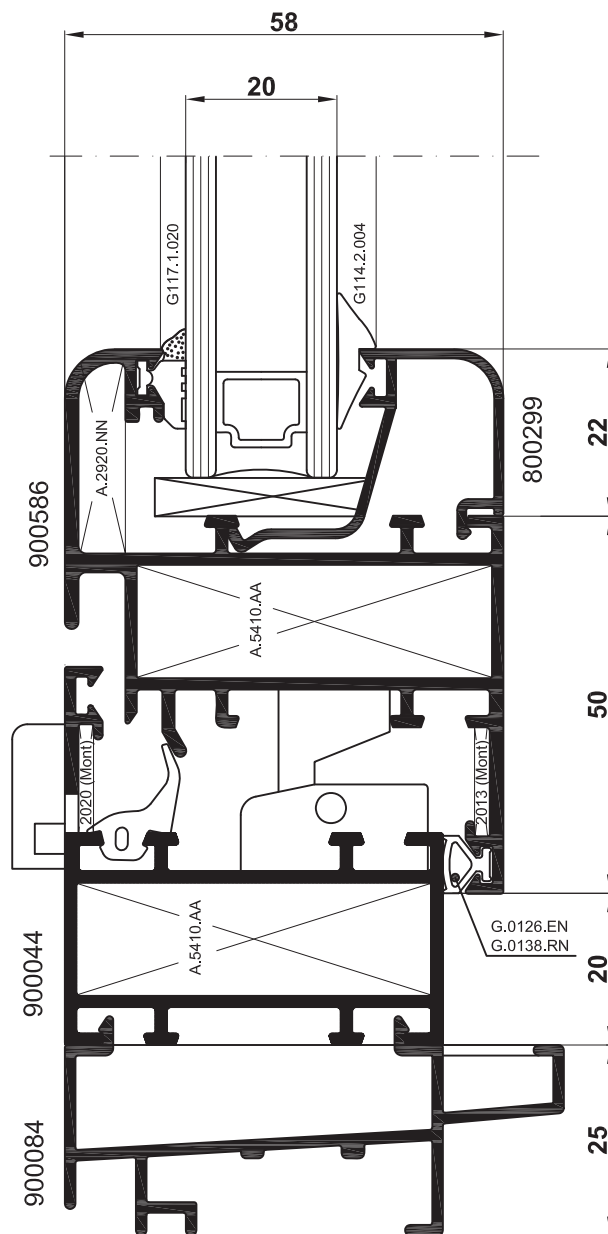
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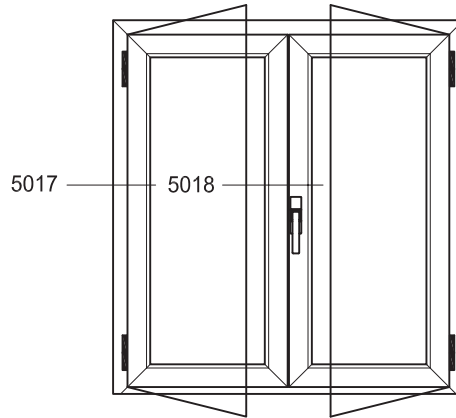




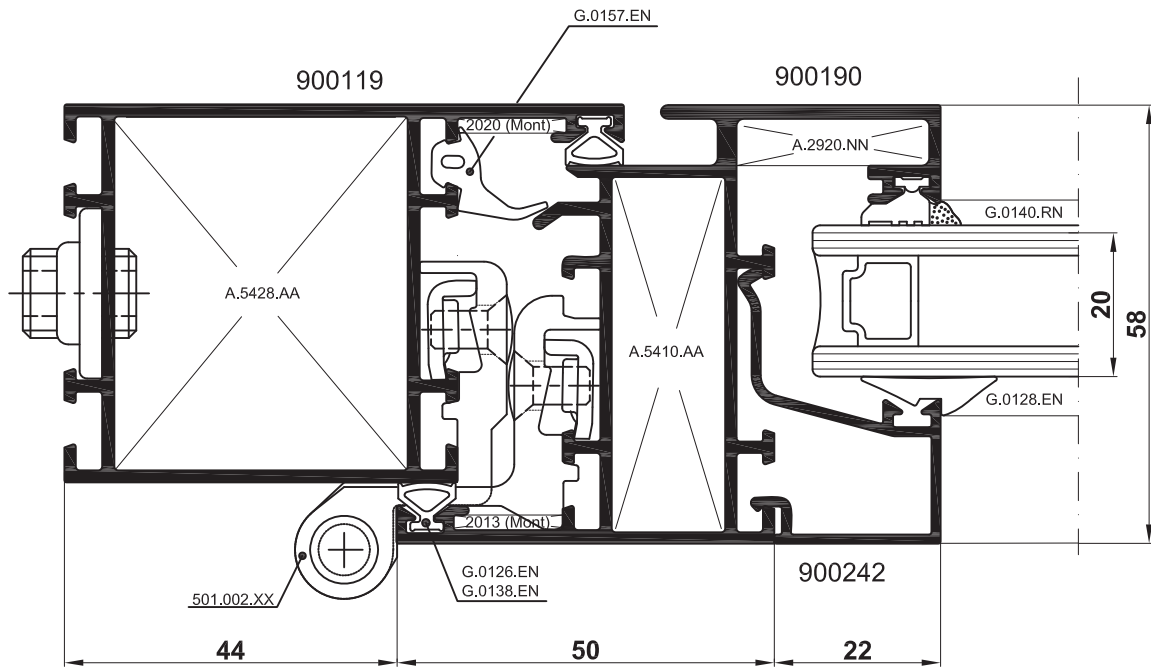
5019

SEZ. 5019

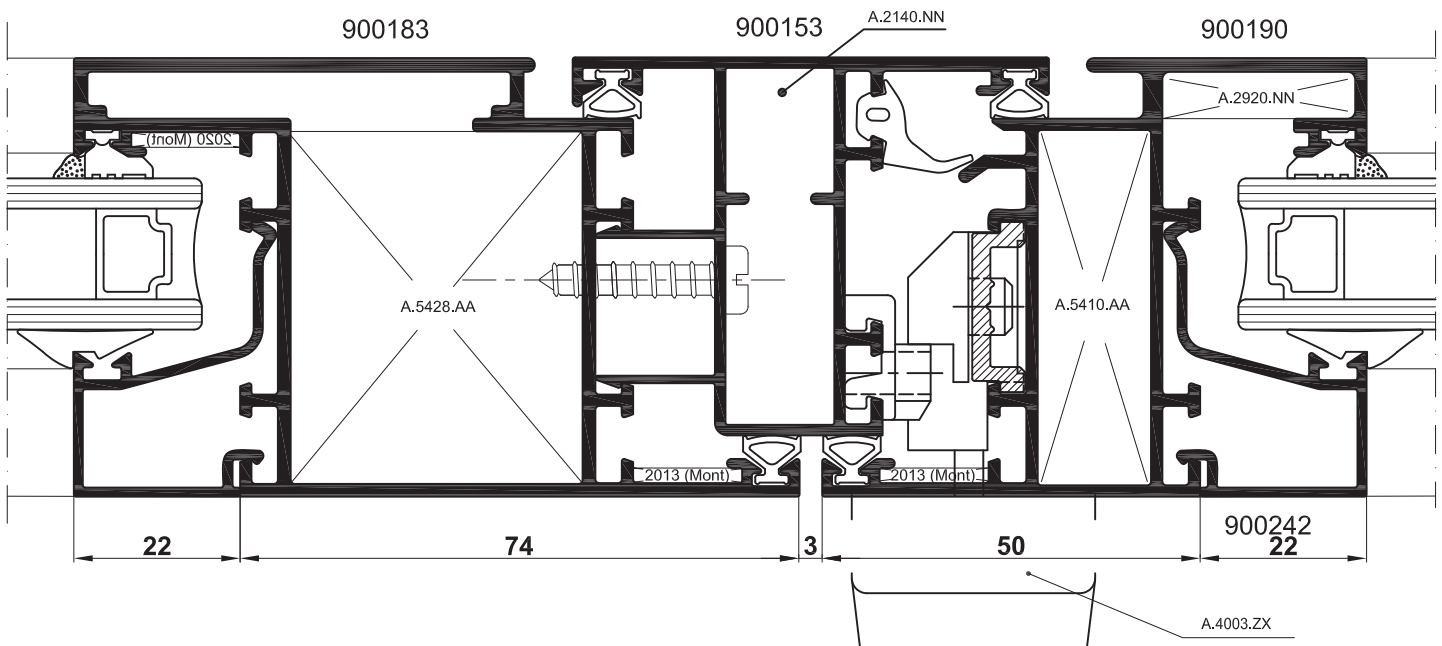




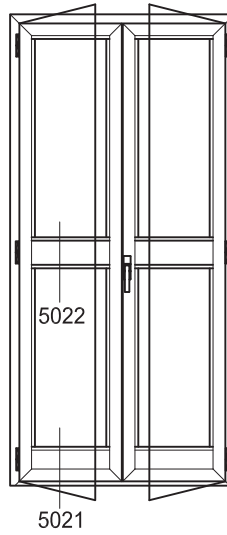
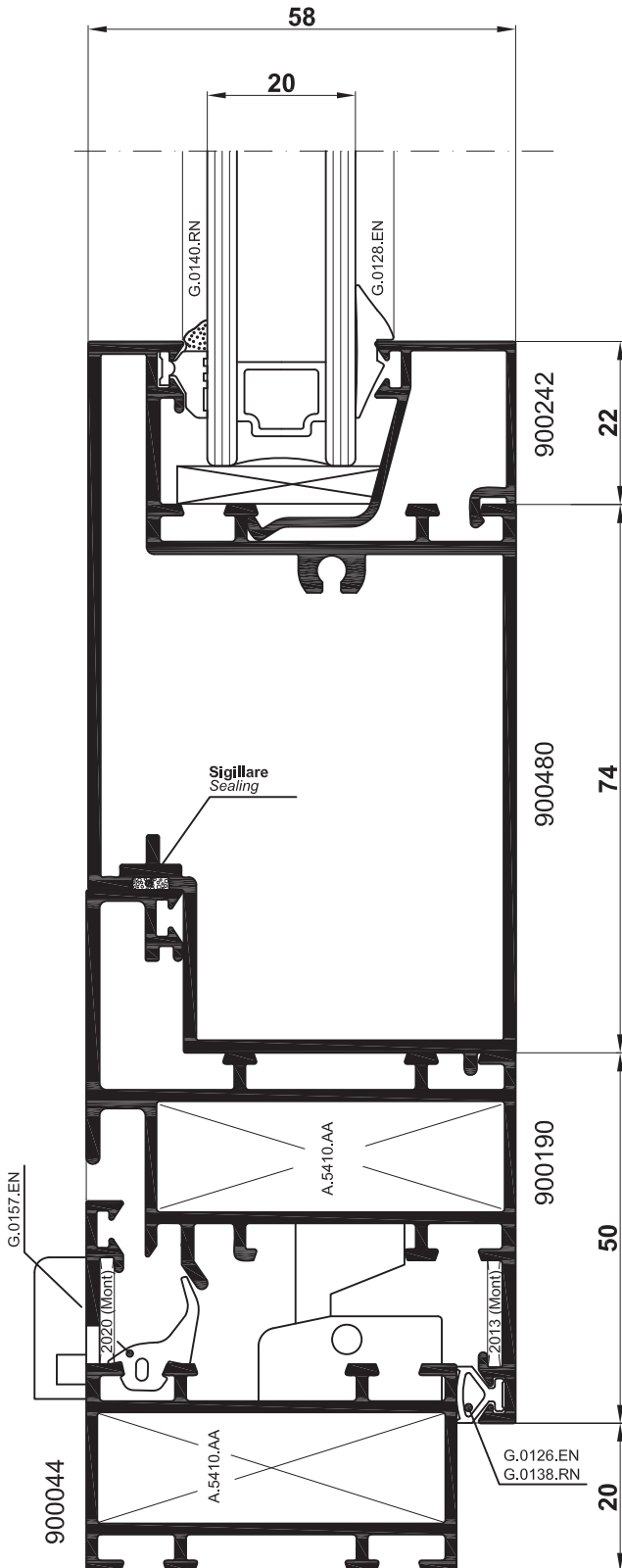
SEZ. 5017



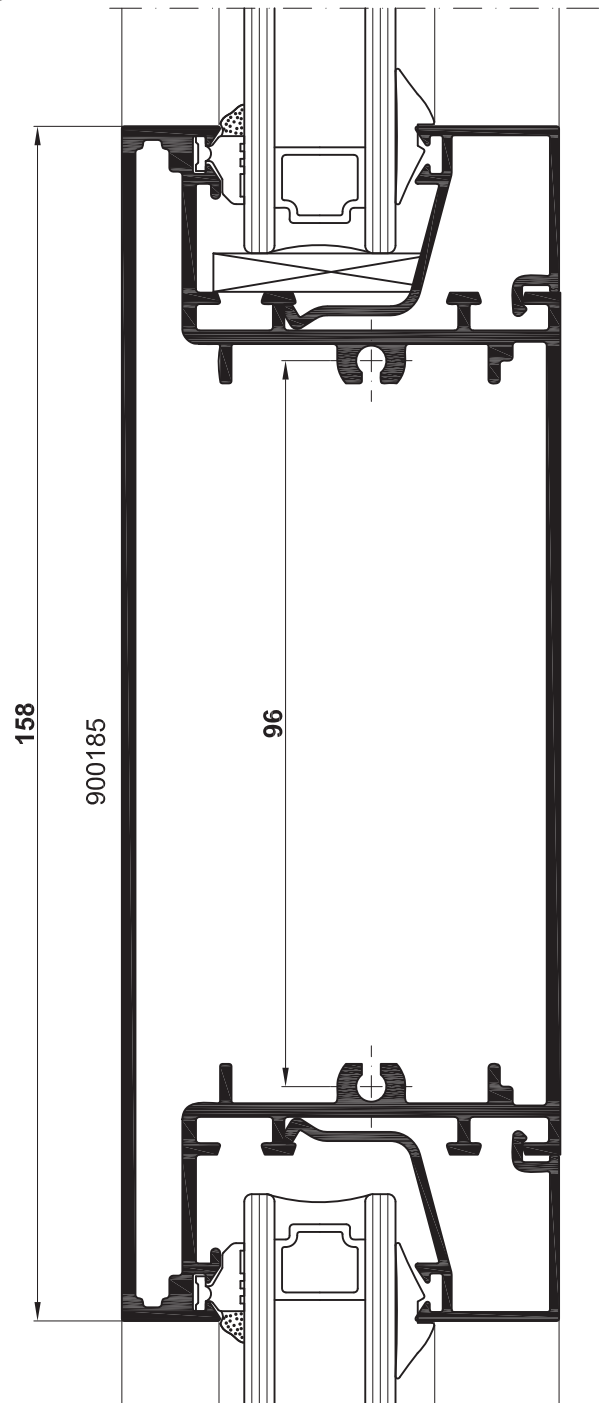
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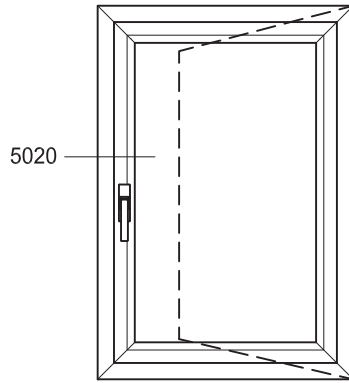


SEZ. 5021

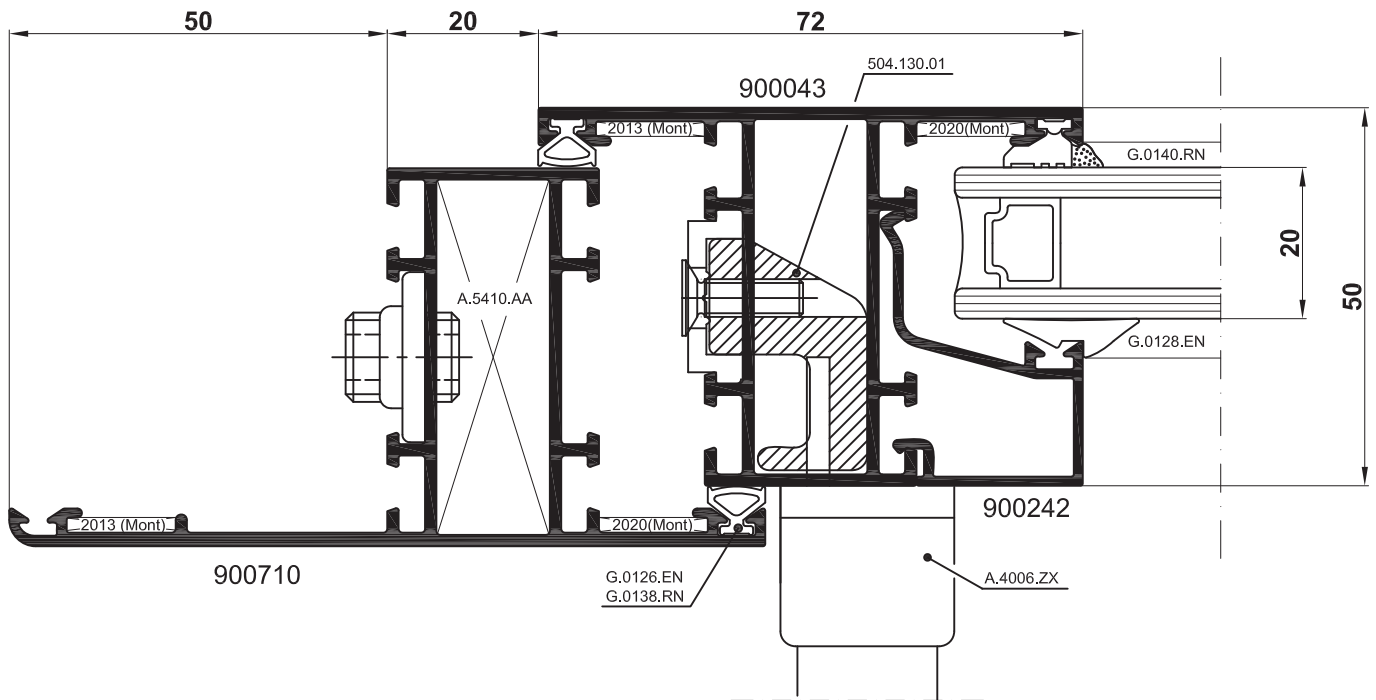


SEZ. 5022

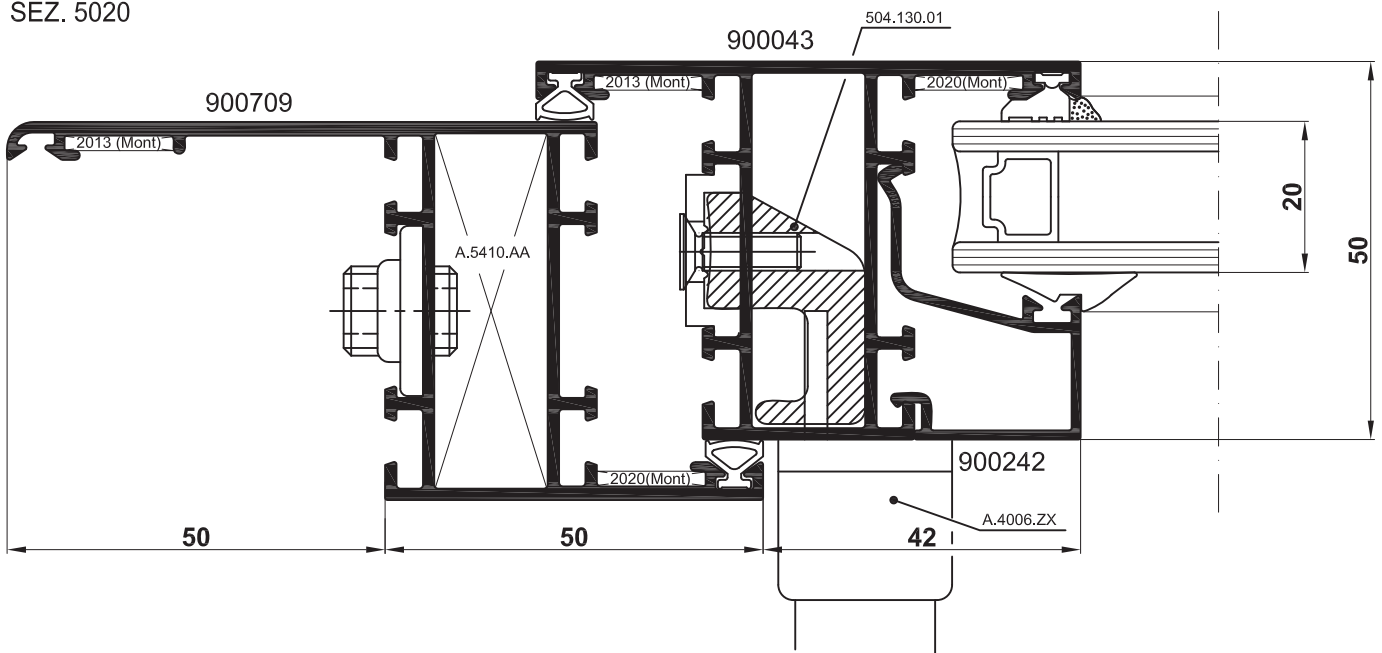


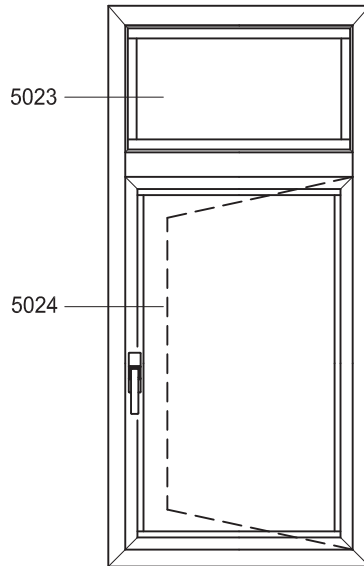


SEZ. 5020

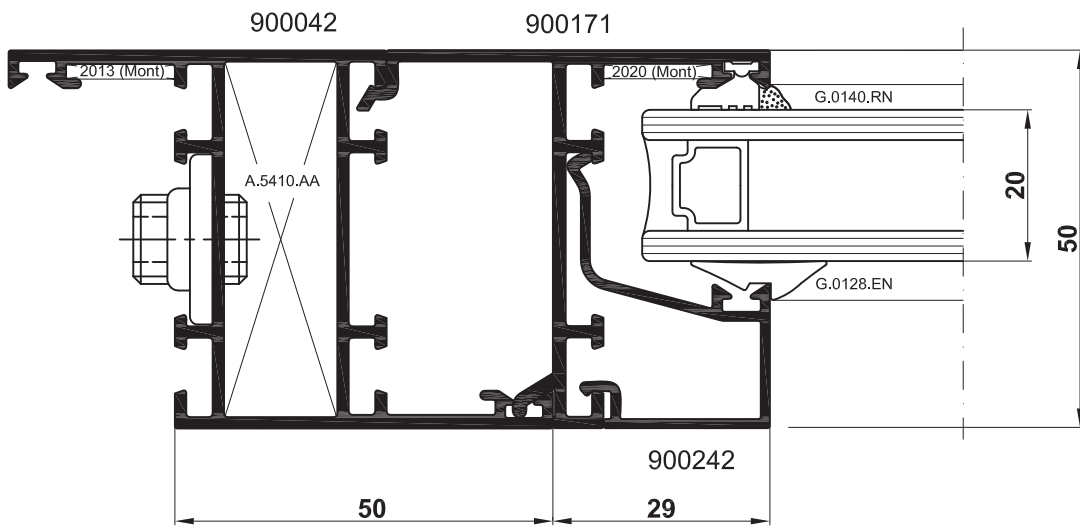


SEZ. 5020

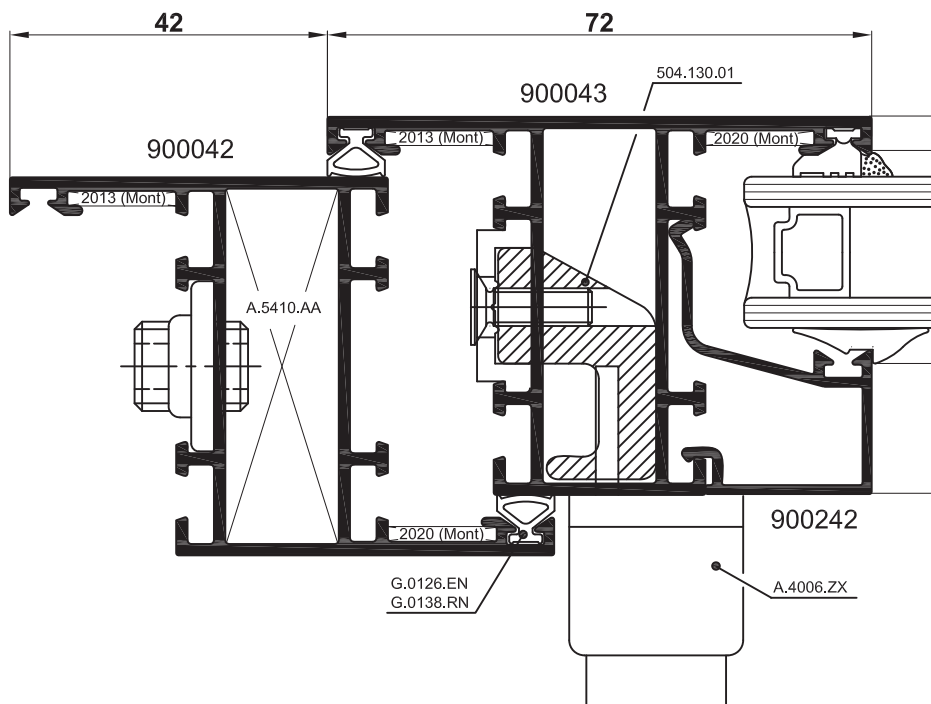


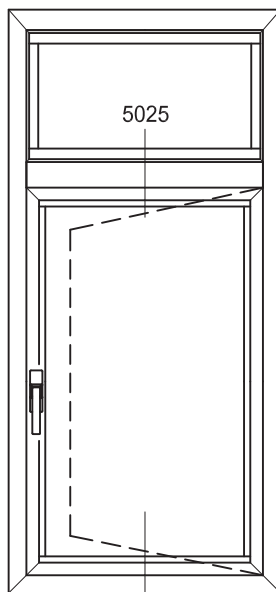
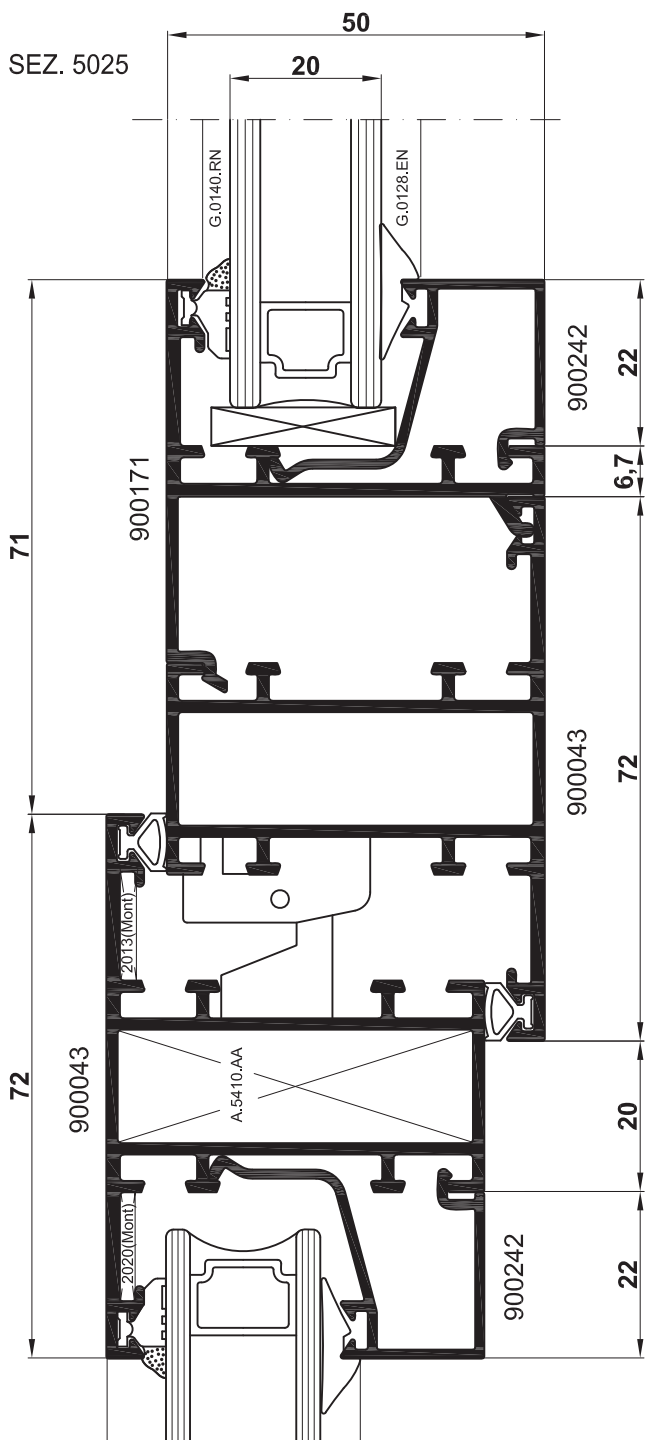


SEZ. 5023

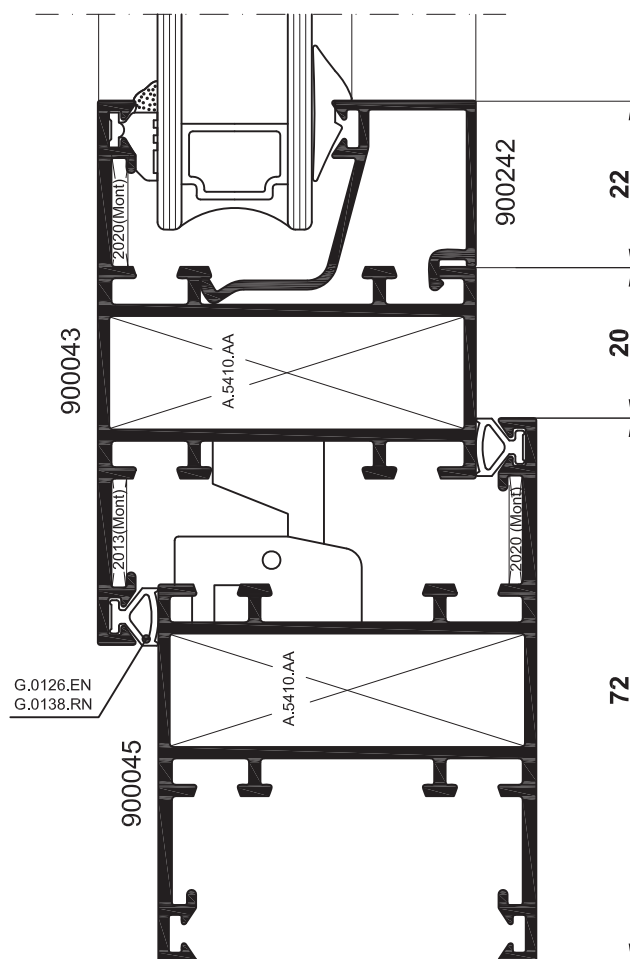


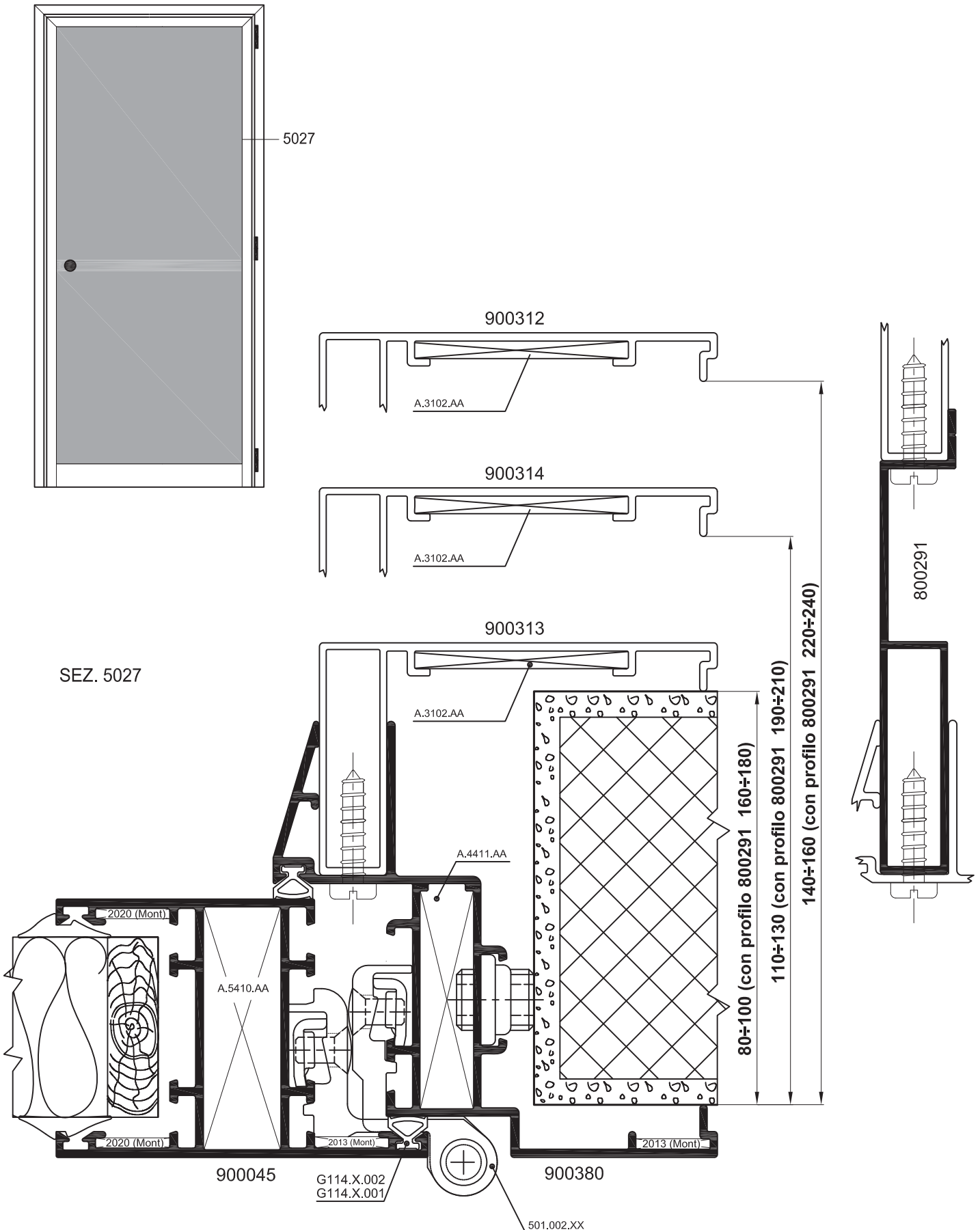
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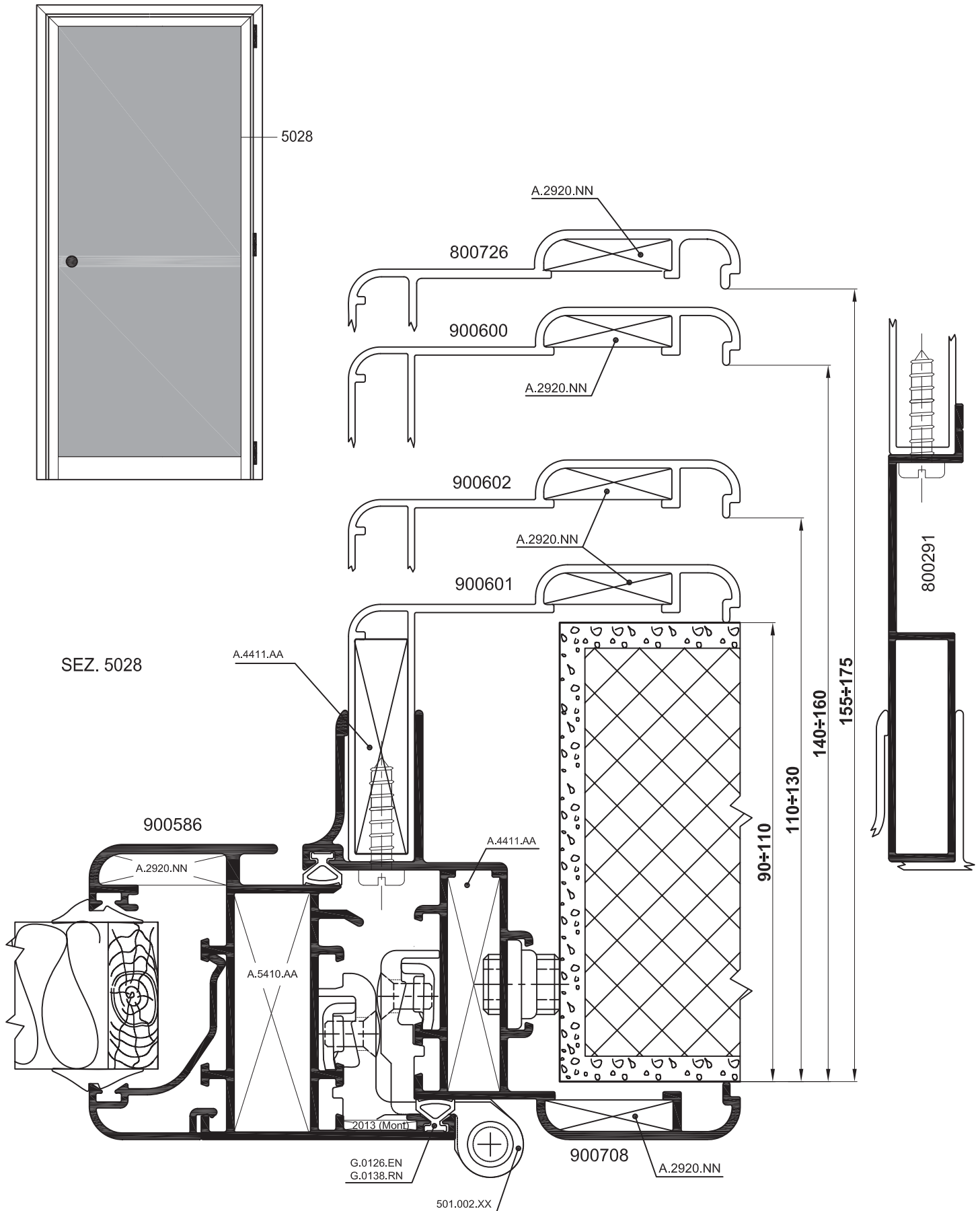


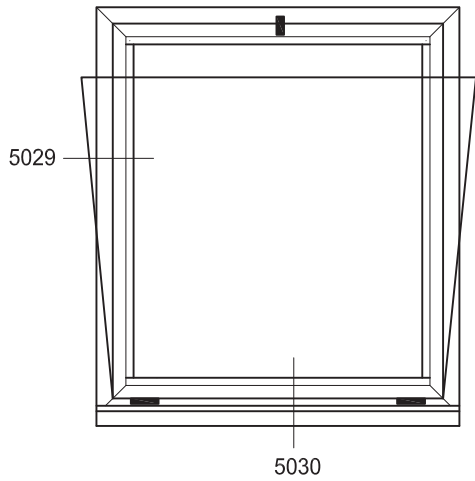


SEZ. 5026

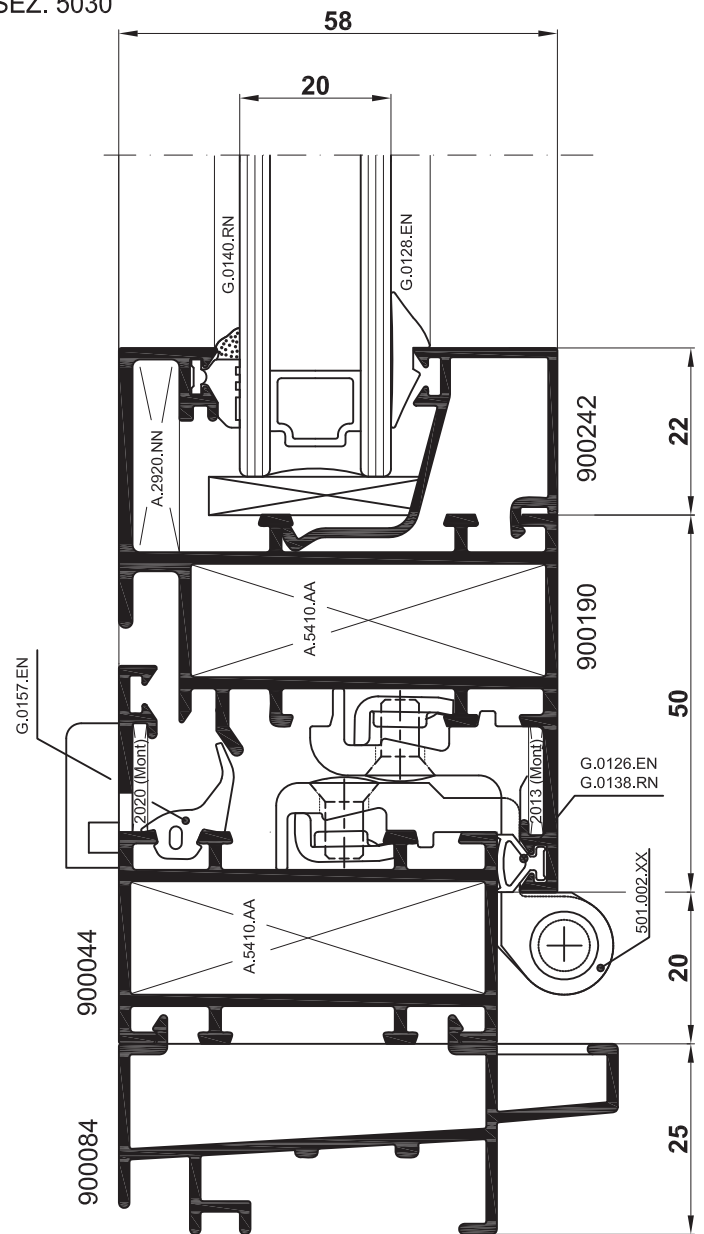




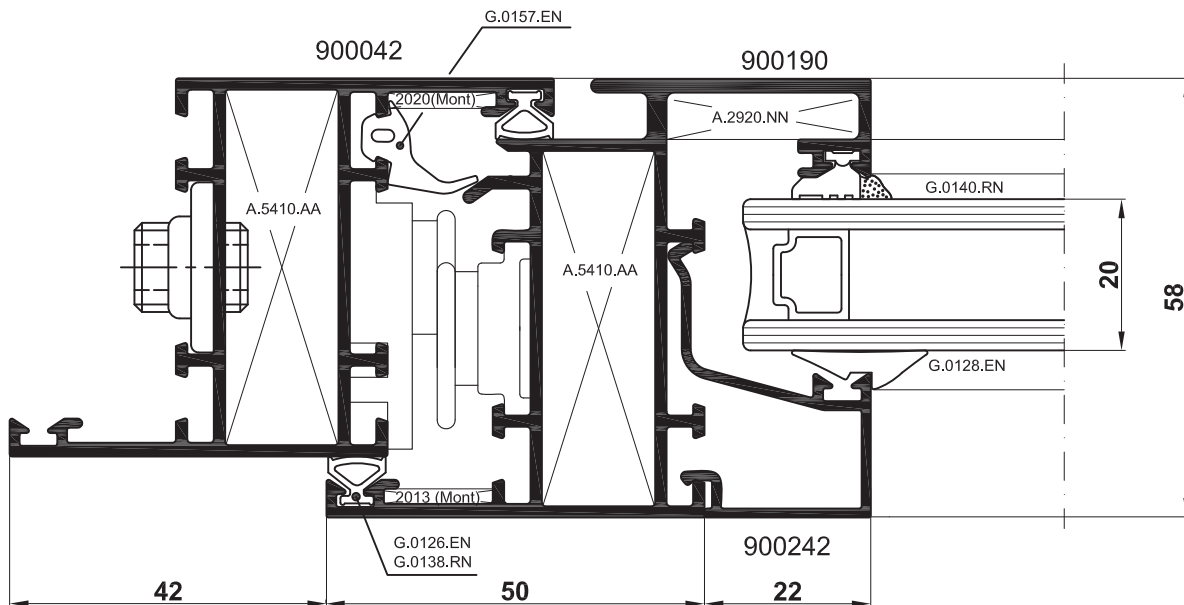


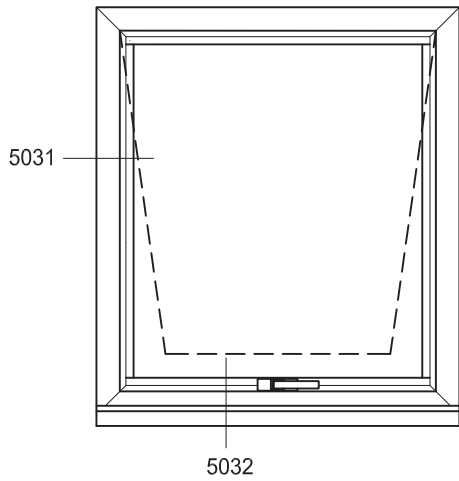


SEZ. 5030

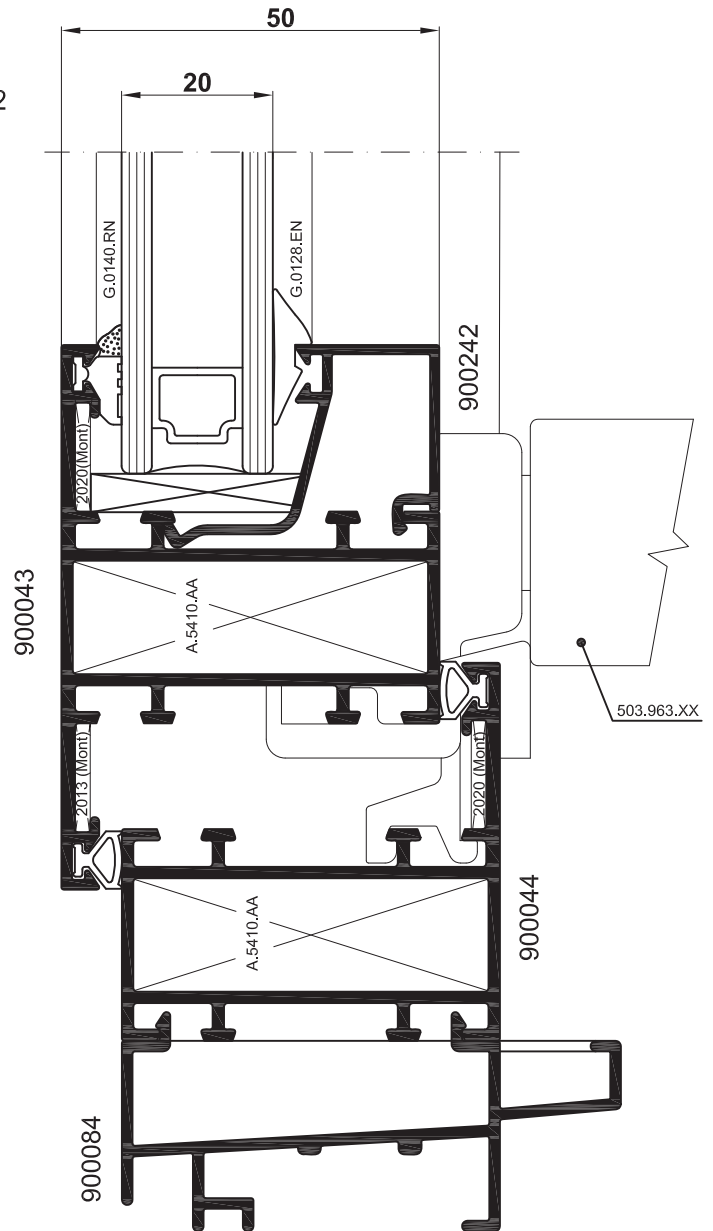


SEZ. 5029

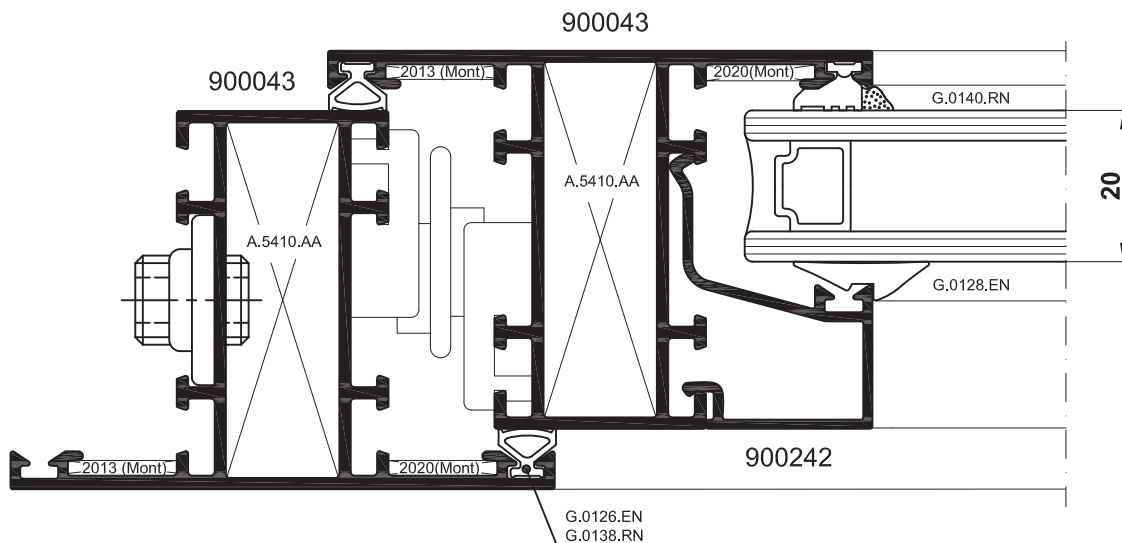


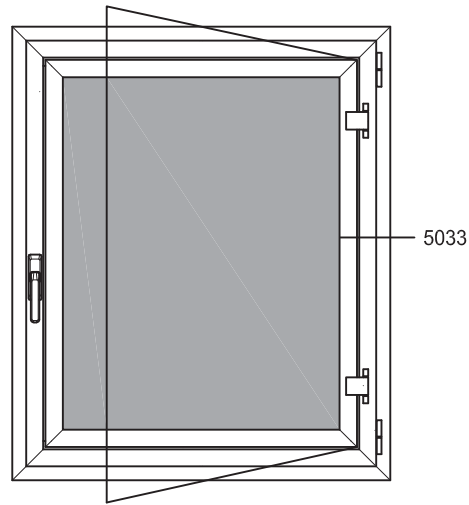


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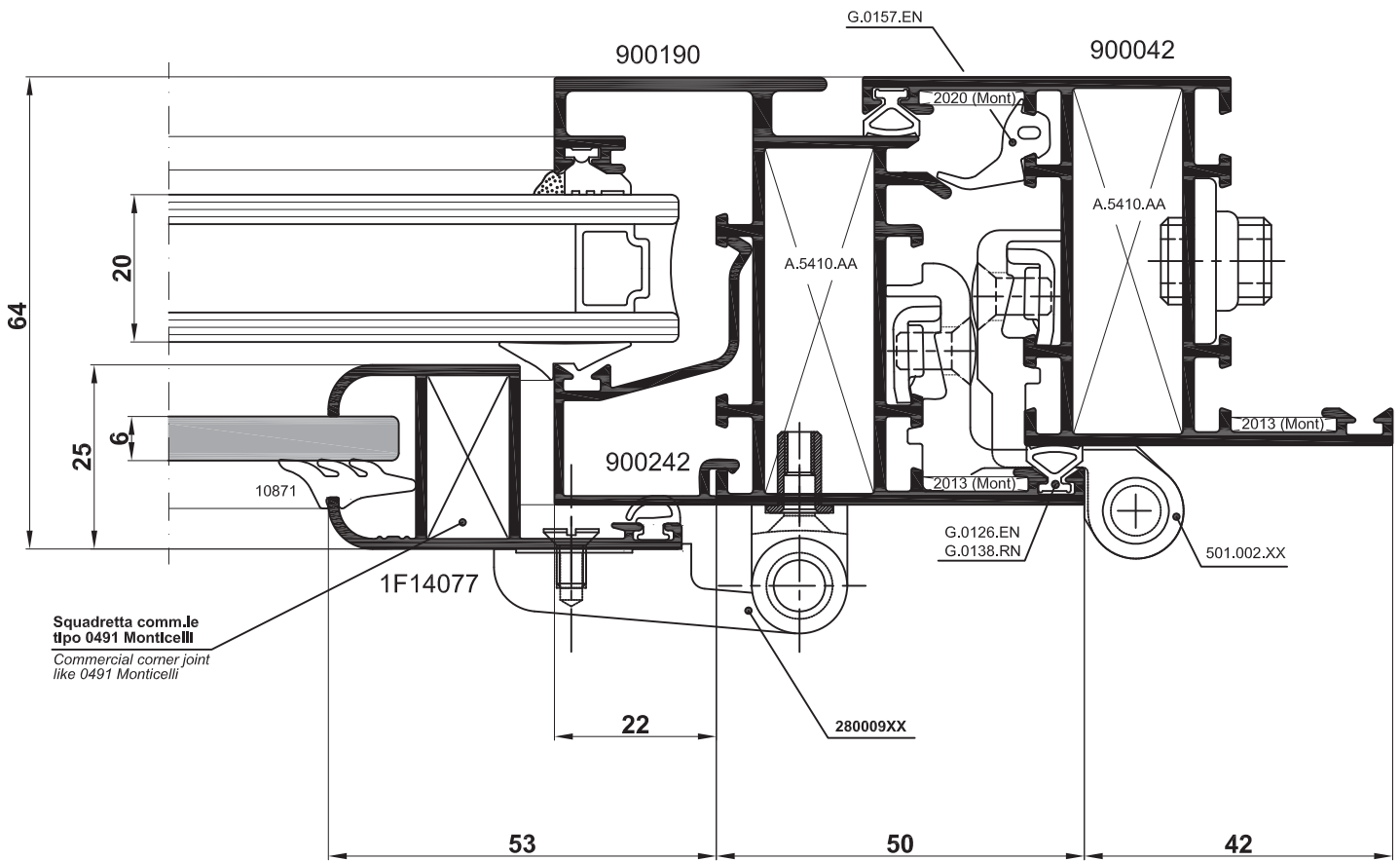


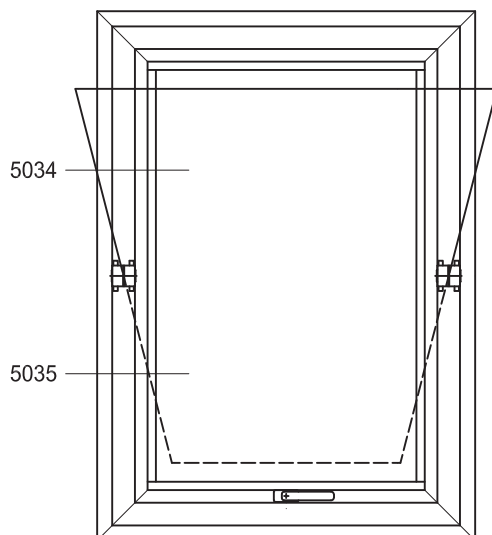
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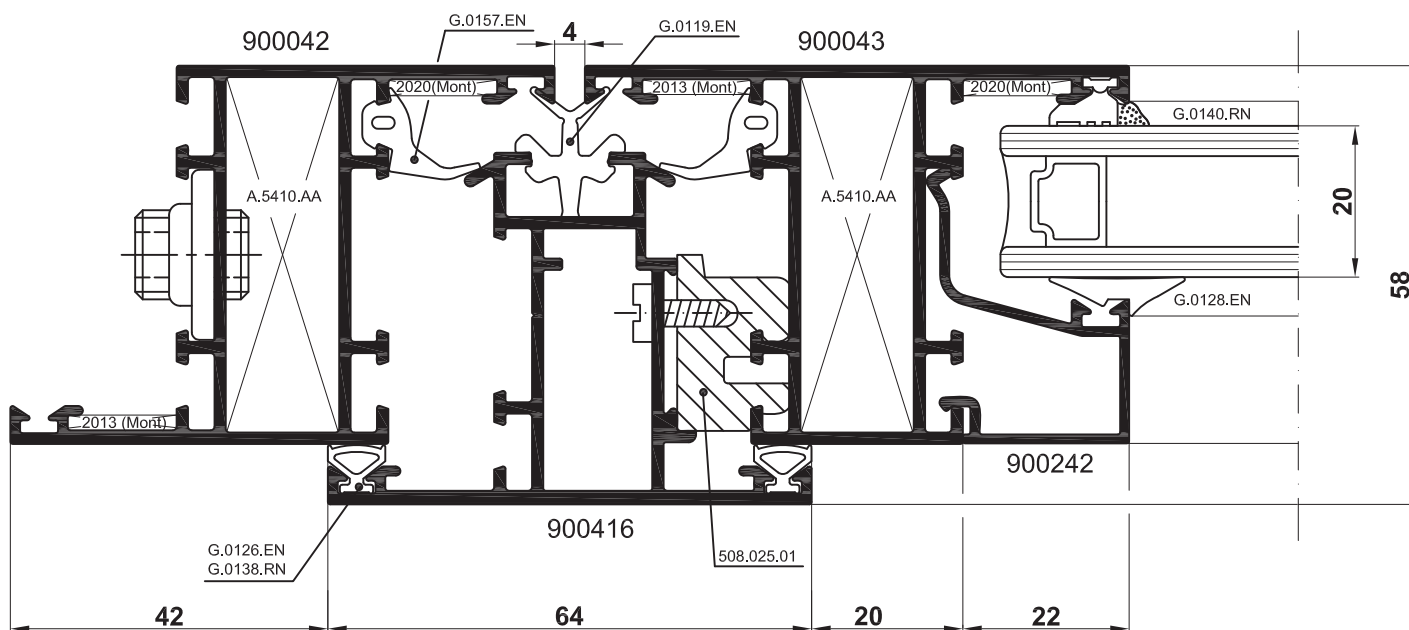
SEZ. 5033



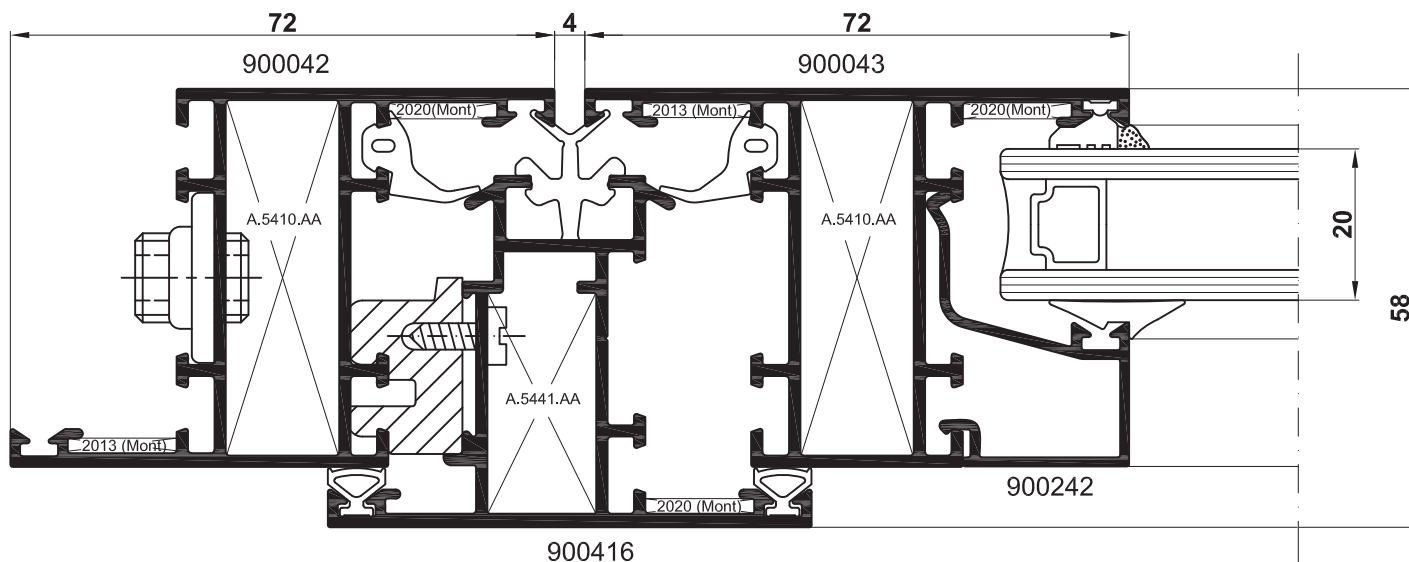


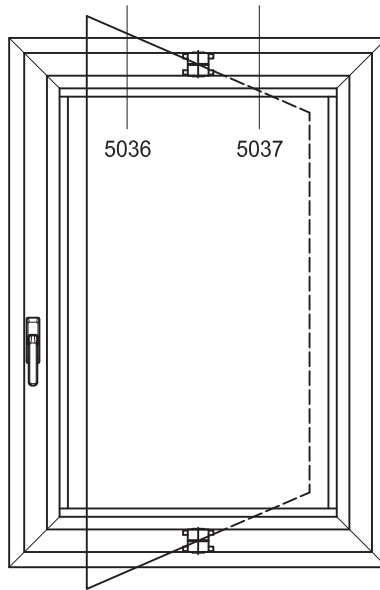
**OSS: PER MAGGIORI CHIARIMENTI
 CONSULTARE SP.815.45**
 OSS: FOR MORE DETAILS
 CONSULT SP.815.45

SEZ. 5034

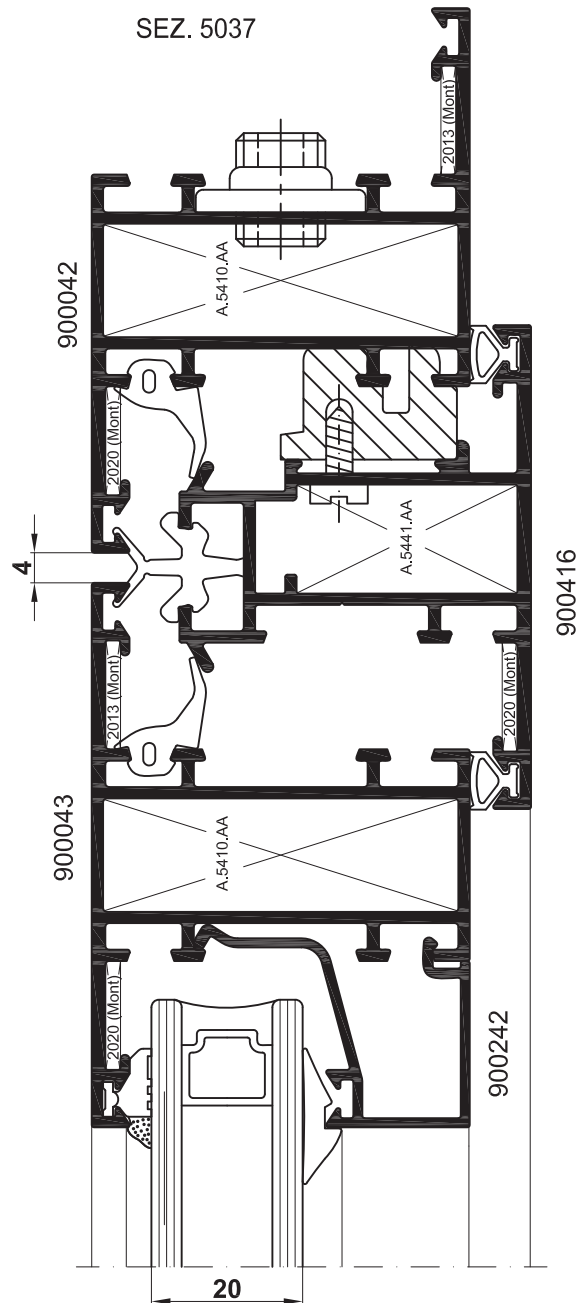
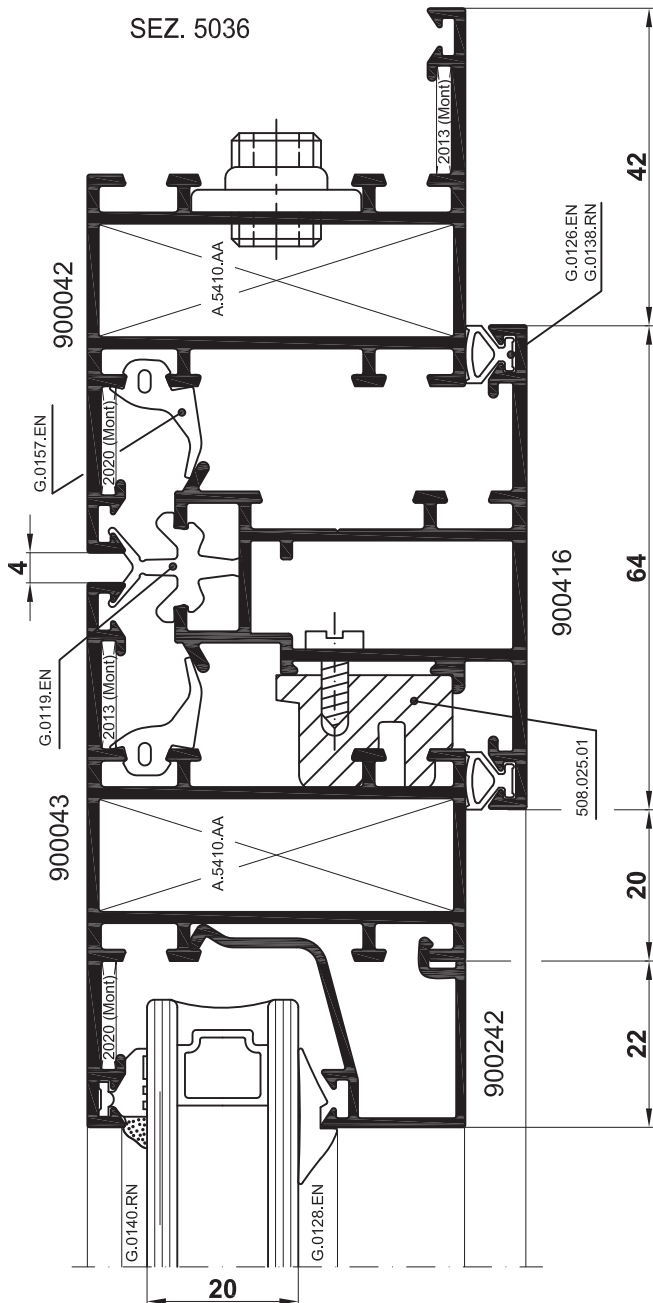


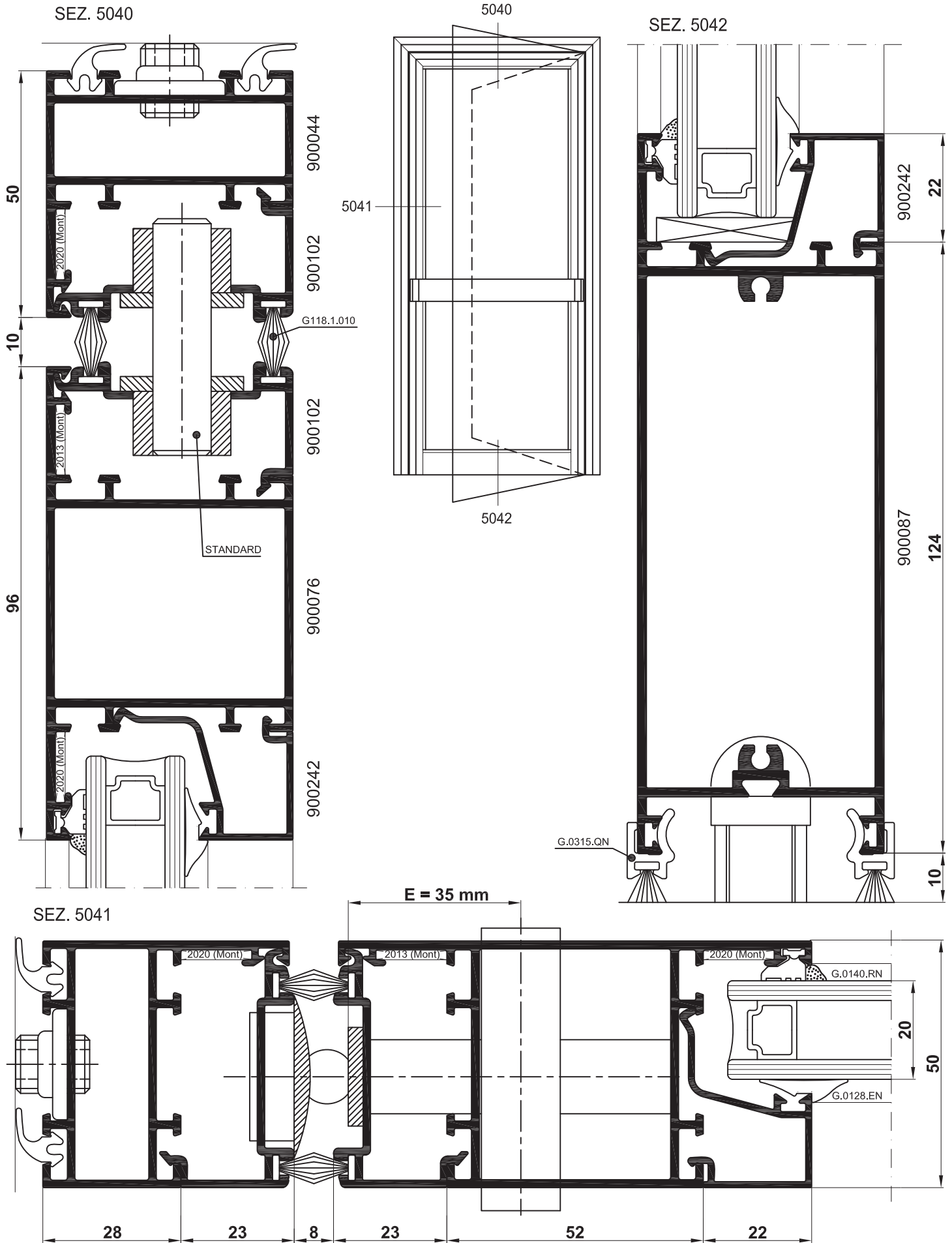
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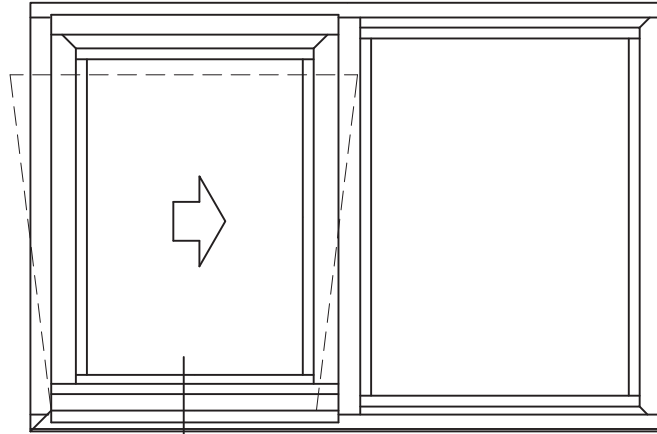




**OSS: PER MAGGIORI CHIARIMENTI
 CONSULTARE SP.815.66**
 OSS: FOR MORE DETAILS
 CONSULT SP.815.66

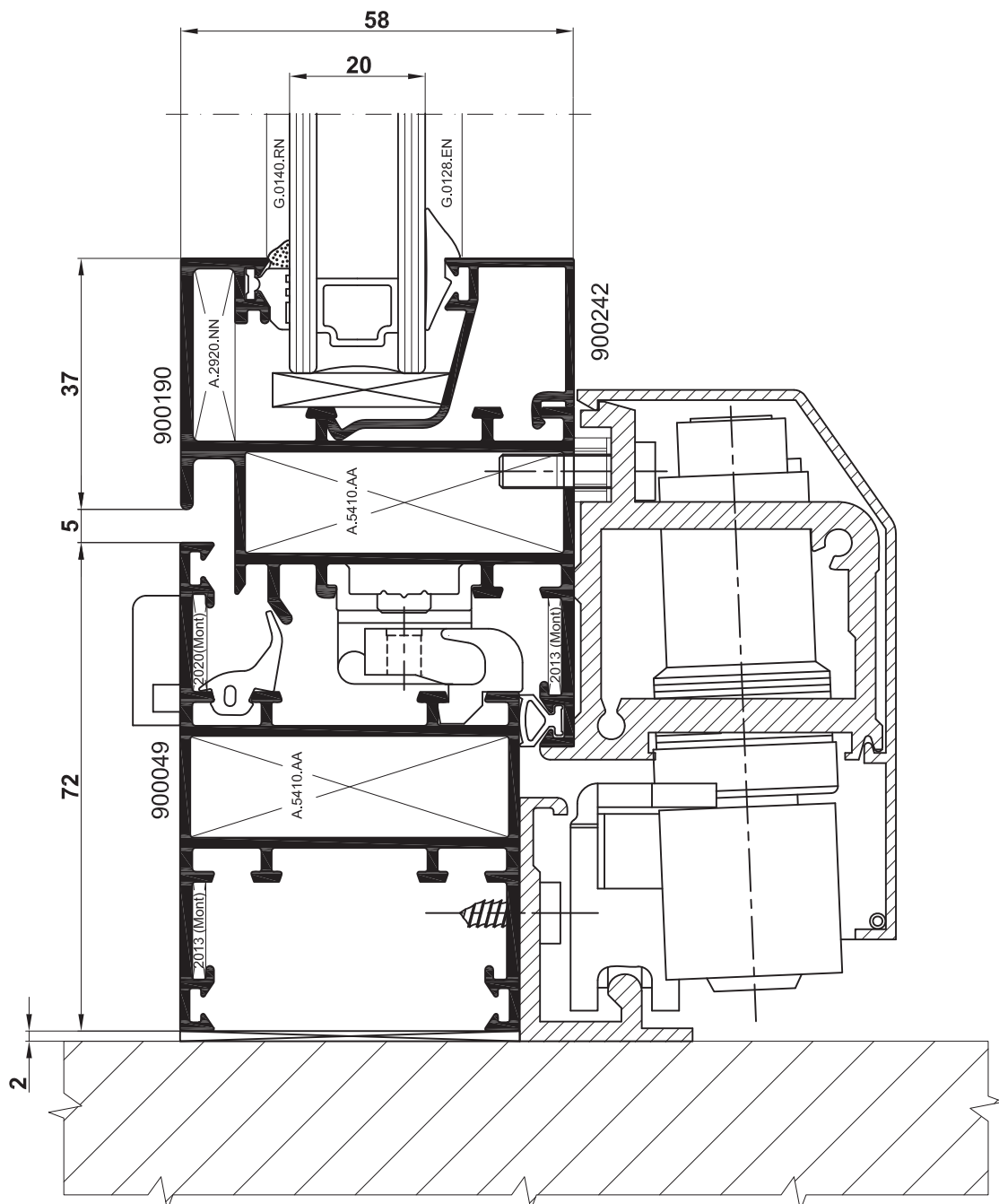


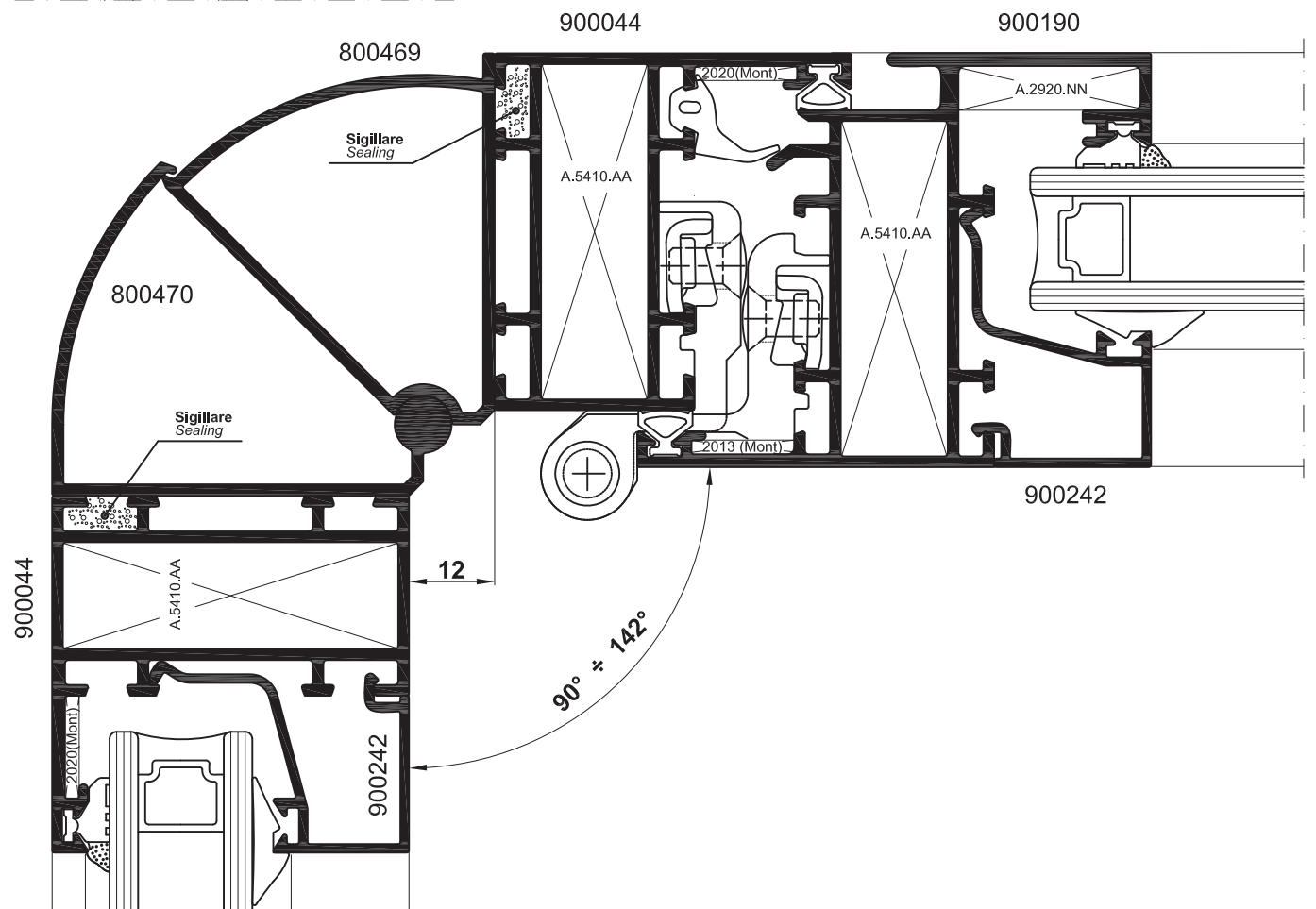
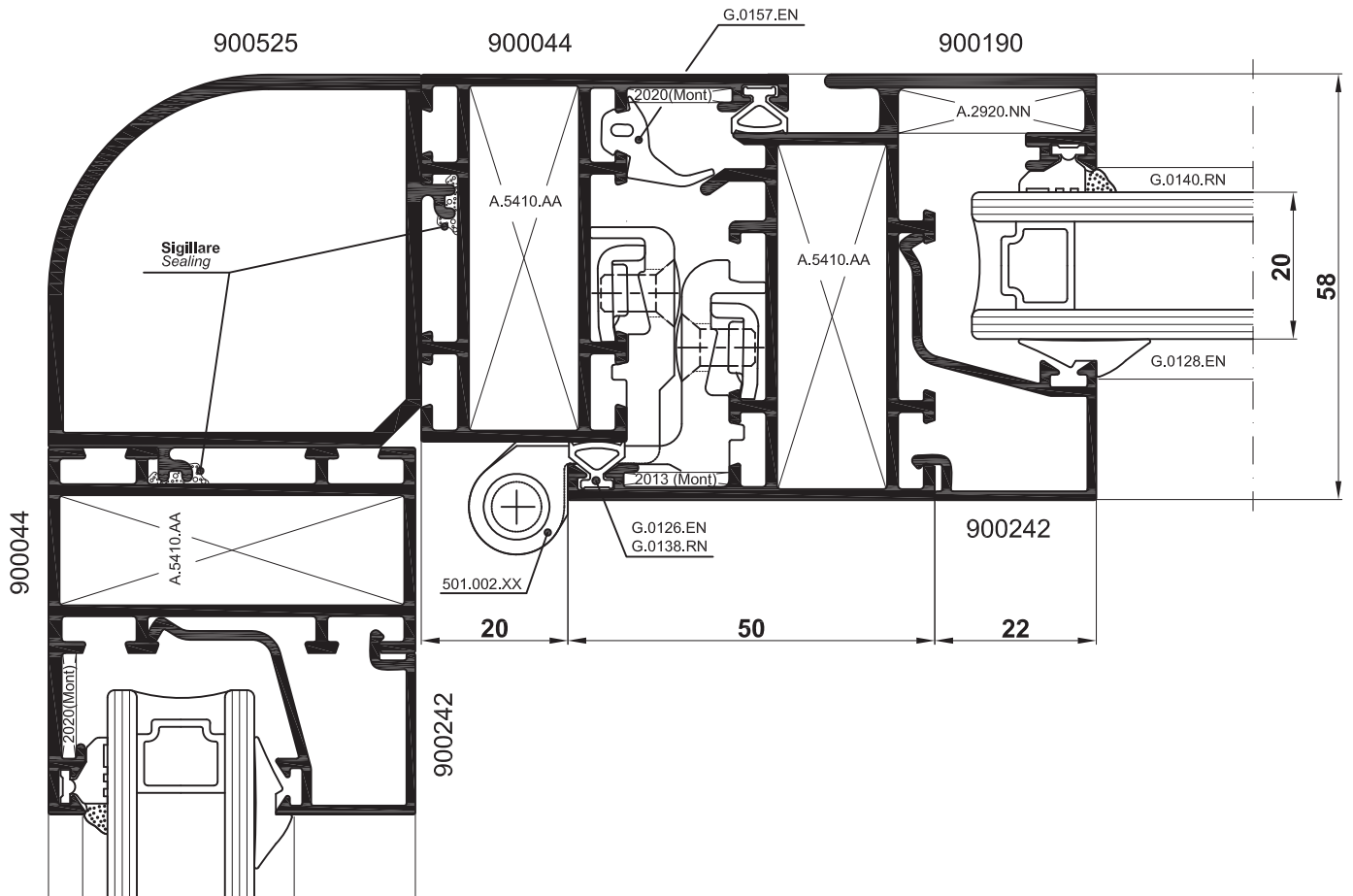




SEZ. 5043

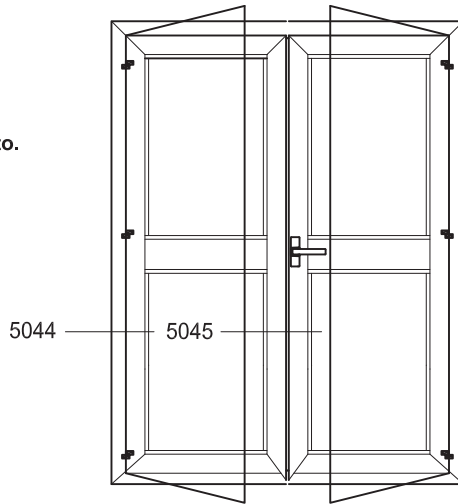
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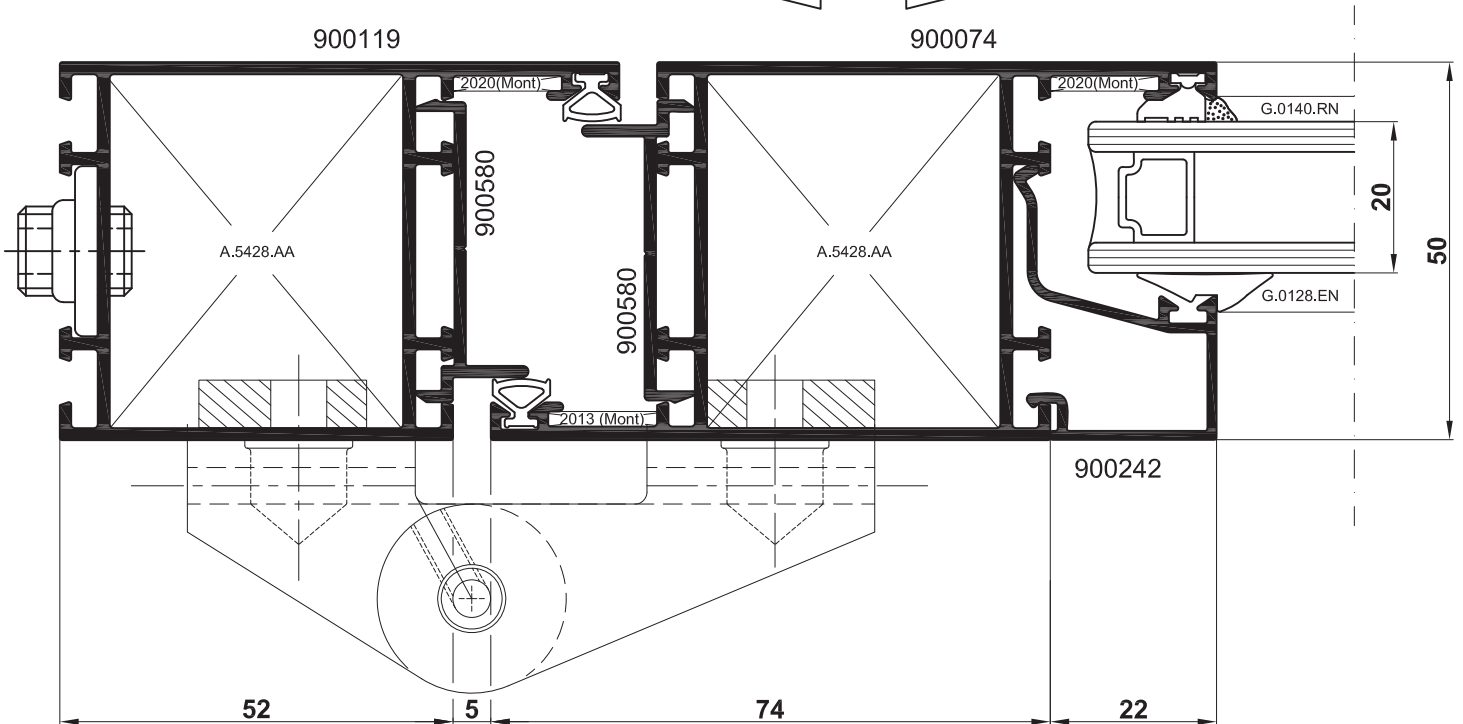


N.B: Il profilato 900580 si consiglia di tagliarlo accoppiato.
Per maggiori dettagli richiedere disegno SP.815.63

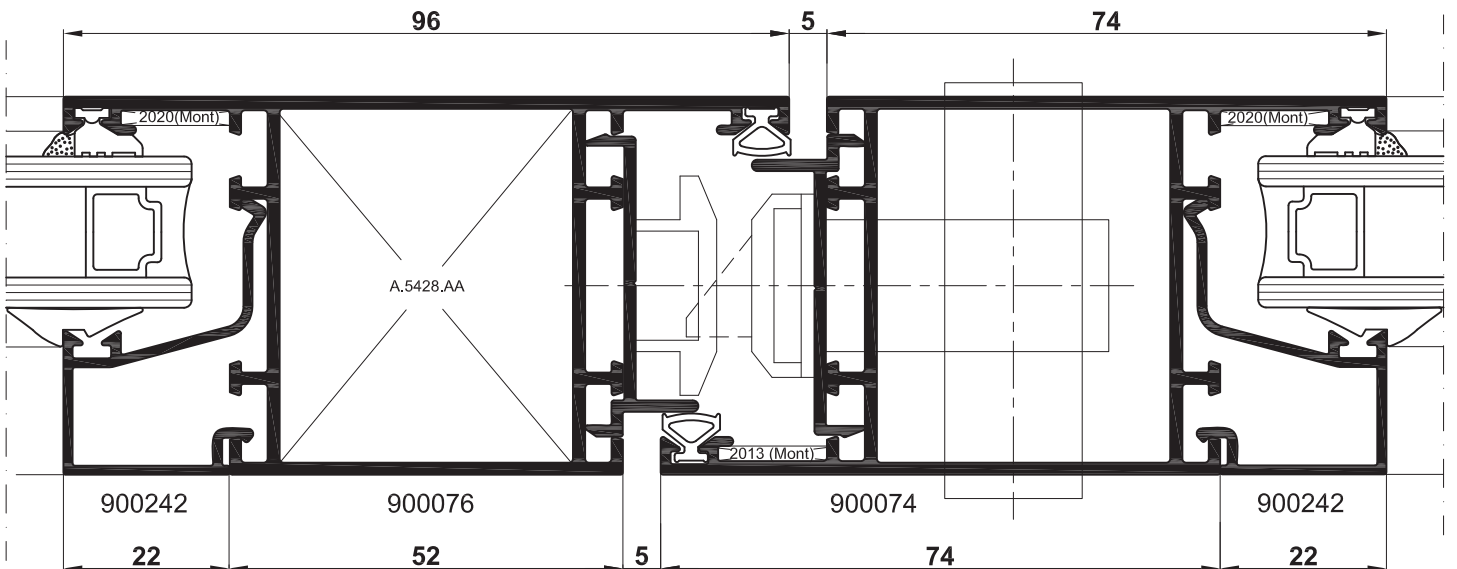
N.B: Suggesting cutting profile 900580 assembled.
For more details please request design SP.815.63

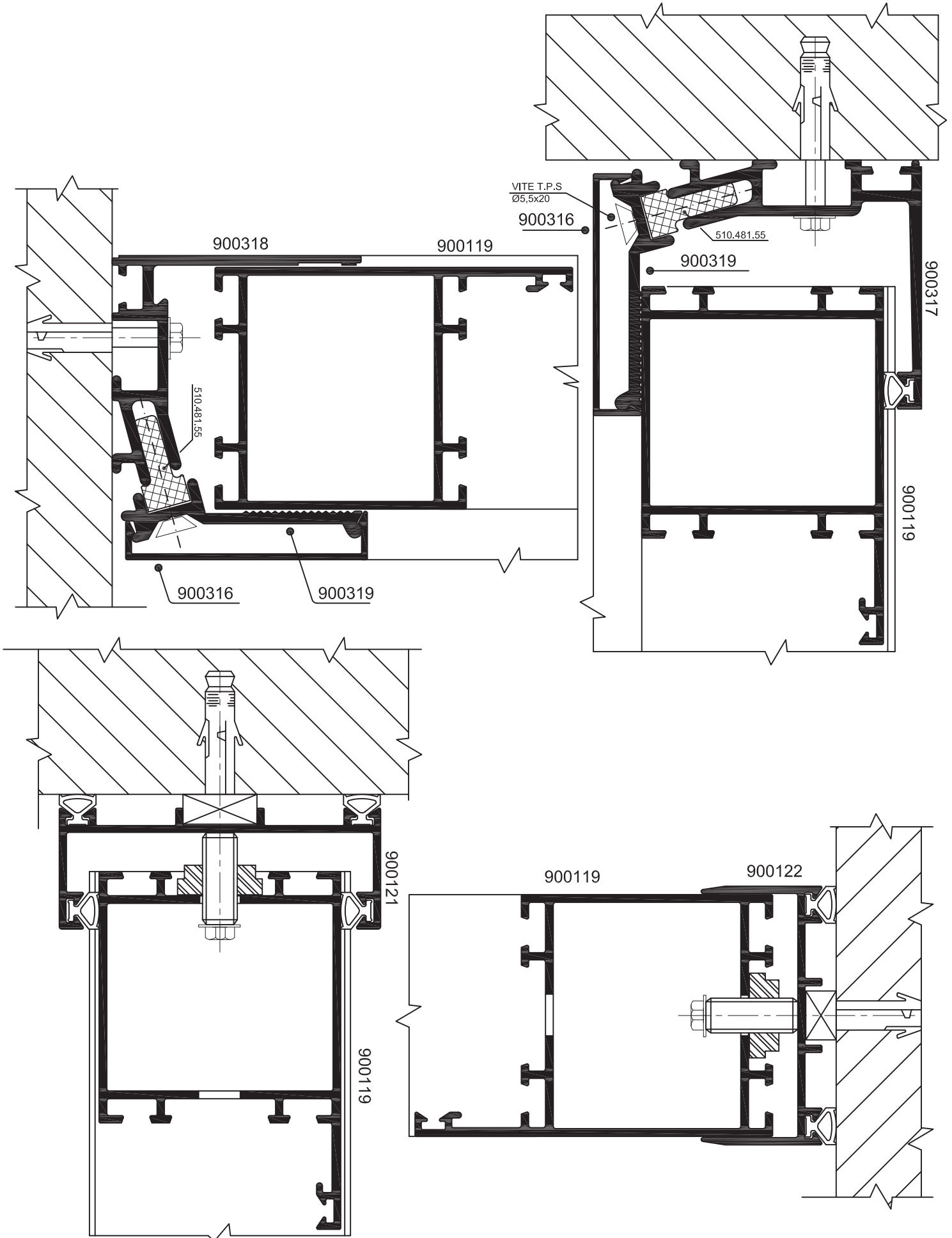


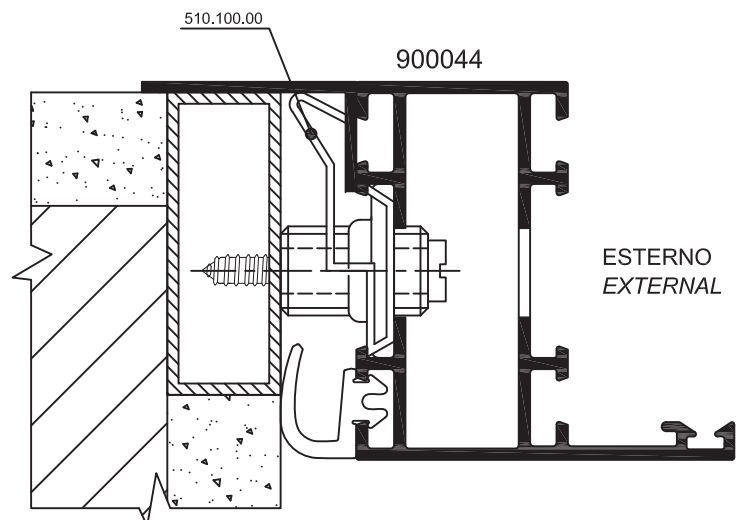
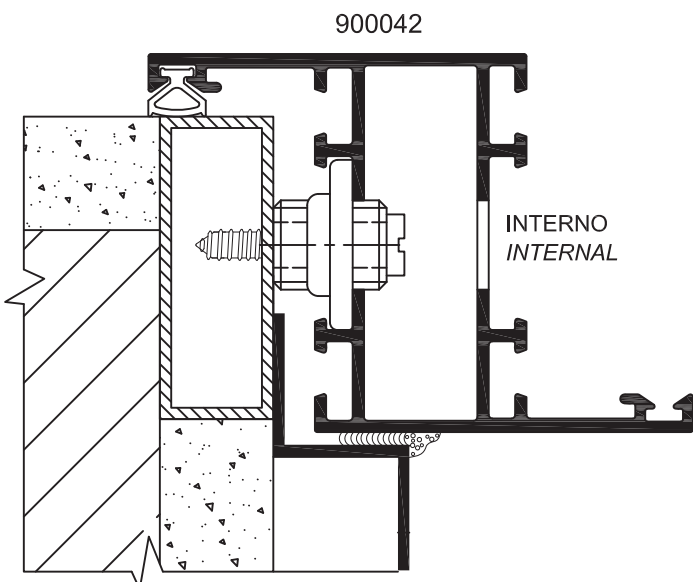
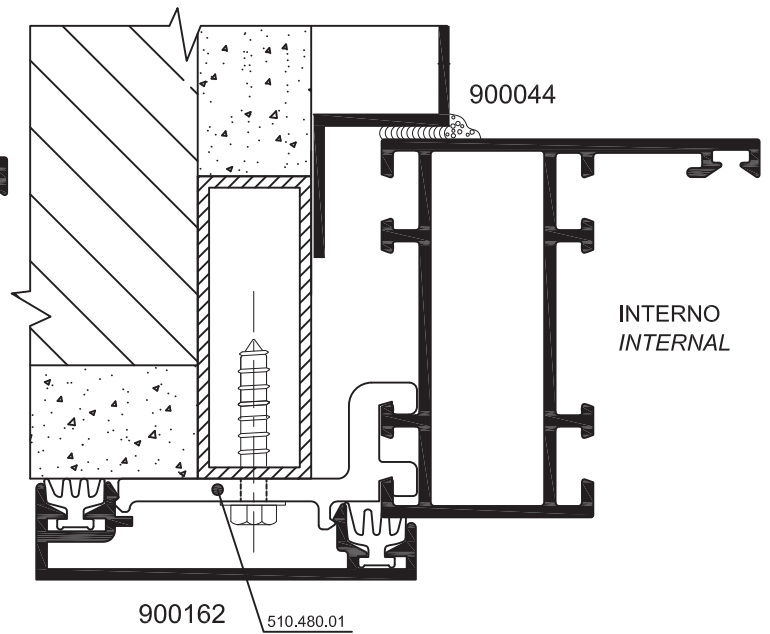
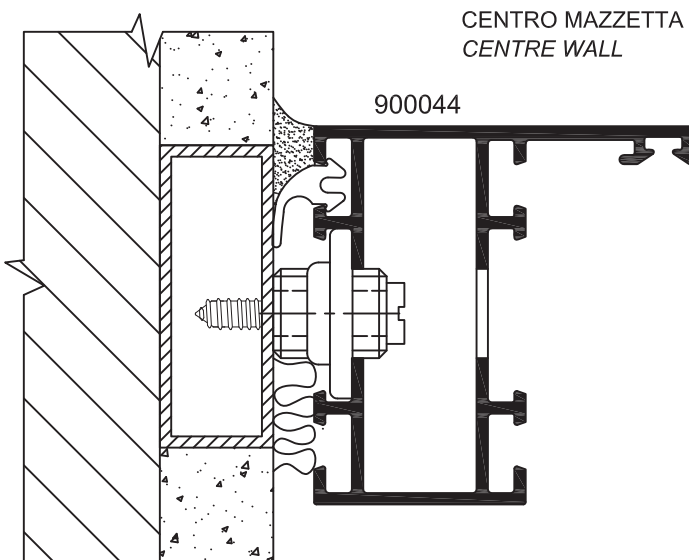
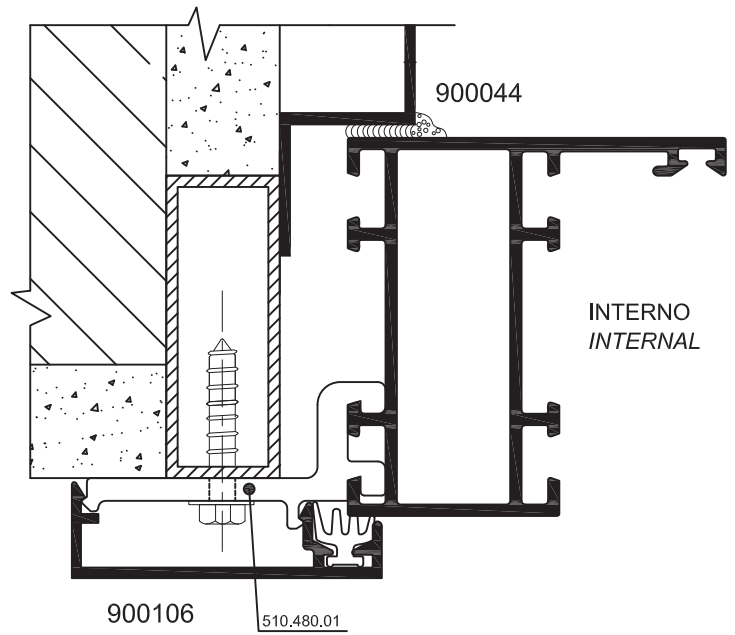
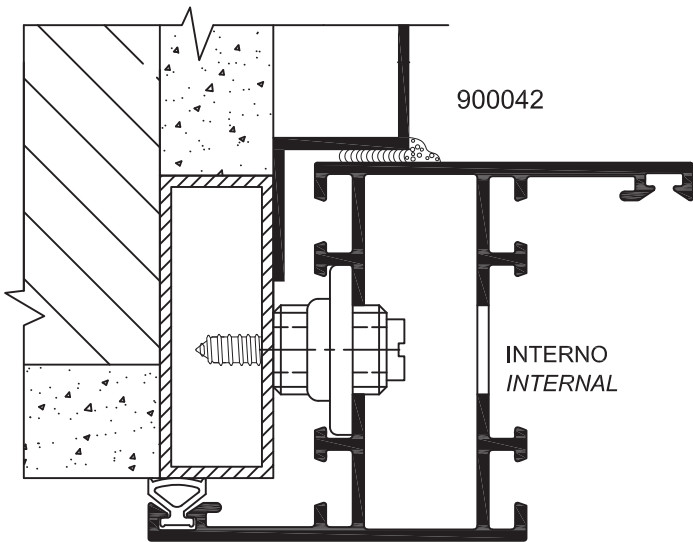
SEZ. 5044



SEZ. 5045

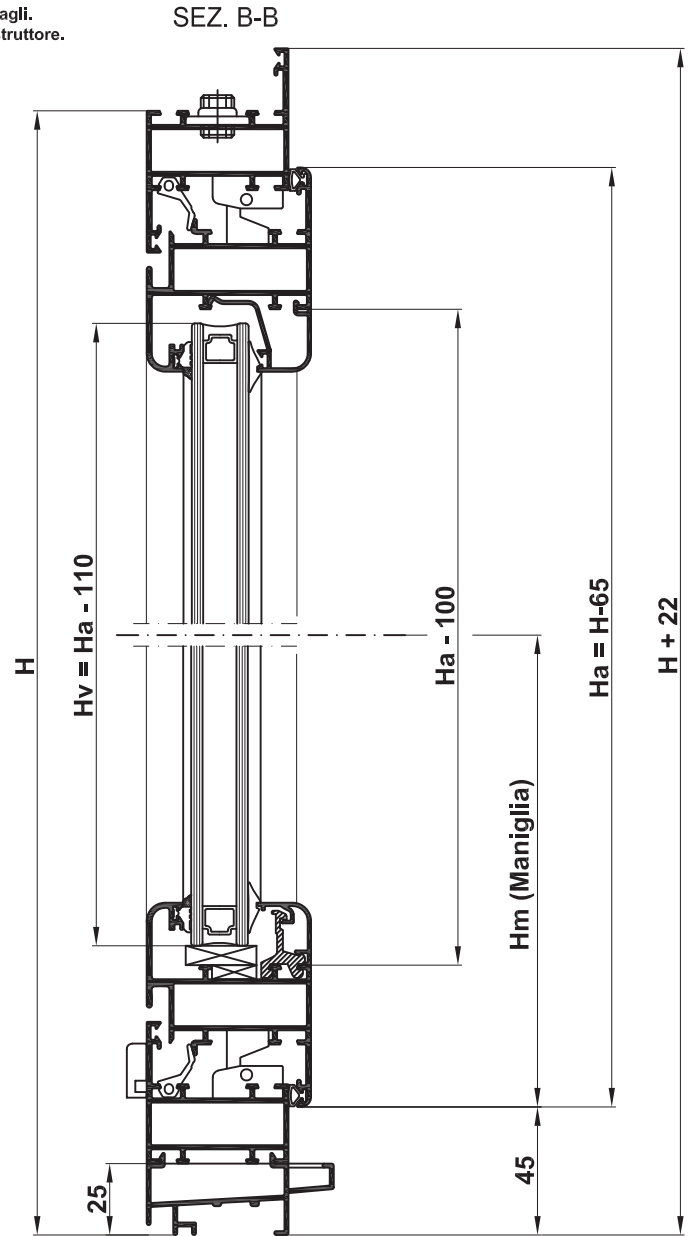
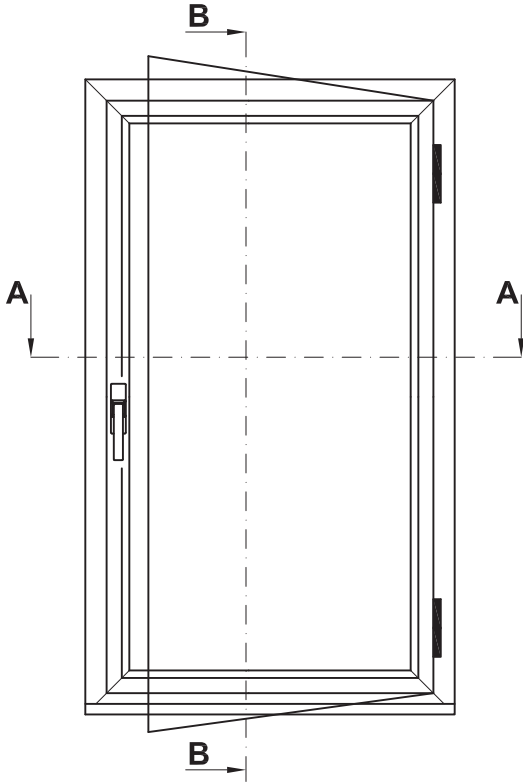






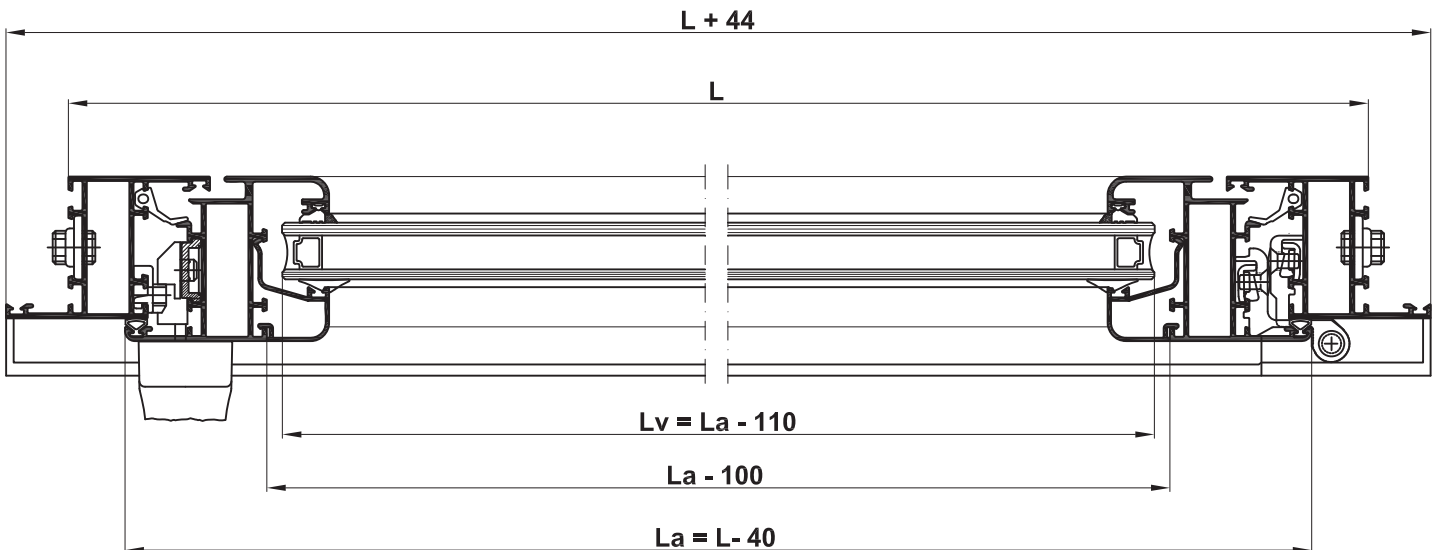
N.B.:
 - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
 Pertanto è necessario verificare sempre le dimensioni dei profilati prima di effettuare i tagli.
 Sapa declina ogni responsabilità per errori dovuti al mancato controllo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

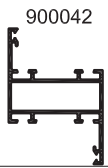
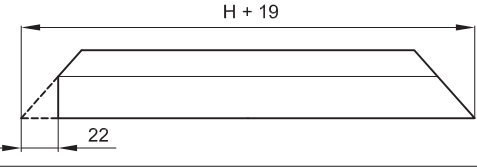
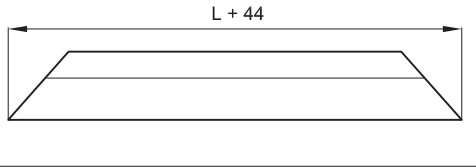
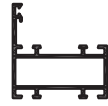
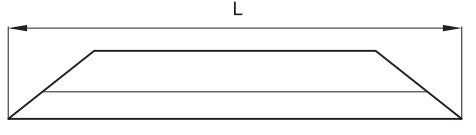
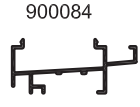
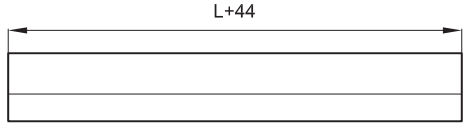
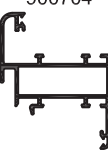
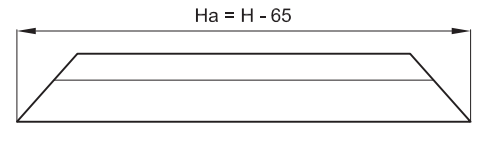
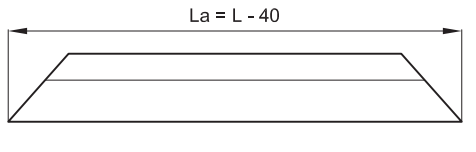

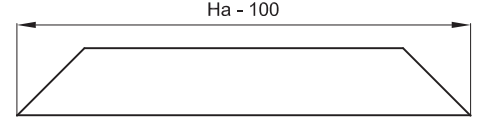
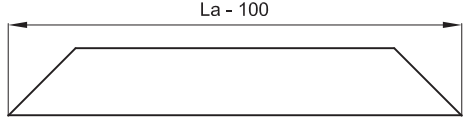

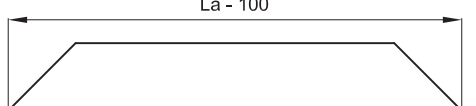

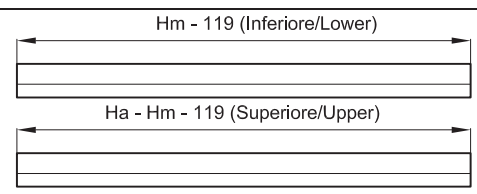
N.B.:
 - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values. It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting.
 Sapa declines any responsibility from errors caused from the missing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



N.B.
 Spessore vetro considerato 20mm
 Gioco perimetrale tra profilato in alluminio e vetro 5 mm
 For glass with 20mm thickness
 Space between glass and aluminium section 5 mm

SEZ. A-A



PROFILATO SECTION	N.Pz N.Pz	TAGLIO CUT	N.Pz N.Pz	TAGLIO CUT
	2		1	
			1	
			1	
	2		2	
	2		1	
			1	
	2			

ACCESSORI
ACCESSORIES

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.
A.5410.AA	Squadretta in alluminio estruso inserto unificato Extruded aluminium corner joint unified insert	8	A.2920.NN	Squadretta d'allineamento lato esterno 900704 Alignment corner joint on fin 900704	4	Comm.le	Tasselli spessoramento vetro Glass registration dolly	4
504.141.55	Coppia innesti cremonese apertura interna Pair of couplings for internal opening	1	A.4003.ZX	Cremonese reversibile apertura interna Reversible cremonese for internal opening	1			
504.145.55	Coppia puntali in nylon con terminale in acciaio Nylon pair of terminals with stainless steel top	1	504.081.55	Riscontro in nylon con rullino per puntali Nylon striker with roller for terminals	2			
410.405.01	Basetta regolo mobile Plate for adjustable block	8	509.261.55	Paratempesta in nylon Nylon water drainage cover	2			
A.0227.EN	Angolo stampato per guarnizione G.0132.EN Printed angle for weatherstrips G.0132.EN	4	510.420.01	Regolo mobile L = 20 mm Adjustable block L = 20 mm	8			
501.231.XX	Cerniera sfilabile Slip-off hinge	2	504.103.01	Riscontro terza chiusura su innesti Striker for 3rd locking on couplings	1			
2013 (Mont.)	Squadretta d'allineamento aletta interna "FUJI" Alignment corner joint for rabbet internal "FUJI"	6	509.280.55	Coppia tappi laterali raccoglicondensa Pair lateral plugs for condensation collection	1			
2020 (Mont.)	Squadretta d'allineamento aletta esterna "FUJI" Alignment corner joint for rabbet esterna "FUJI"	4	510.490.55	Tappo copriforo rettangolare Ø 12mm Rectangular coverhole plug Ø 12mm	8			

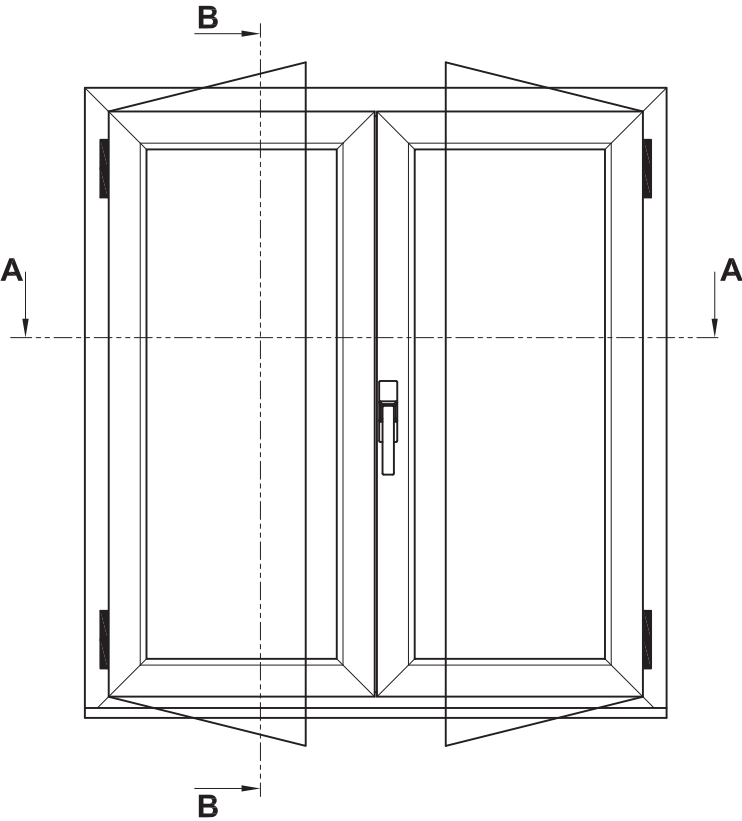
GUARNIZIONI
WEATHERSTRIPS

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.
G.0140.RN	Guarnizione appoggio vetri da 3 mm mm 3 glass support weatherstrip	2H - 2L	G.0132.EN	Guarnizione per precamera Central weatherstrip	2H - 2L			
G.0128.EN	Guarnizione su fermavetro spessore 3 mm Weatherstrip on glazing bead shim mm 3	2H - 2L	G.0126.EN	Guarnizione di battuta Weatherstrip of rabbet	2H - 2L			

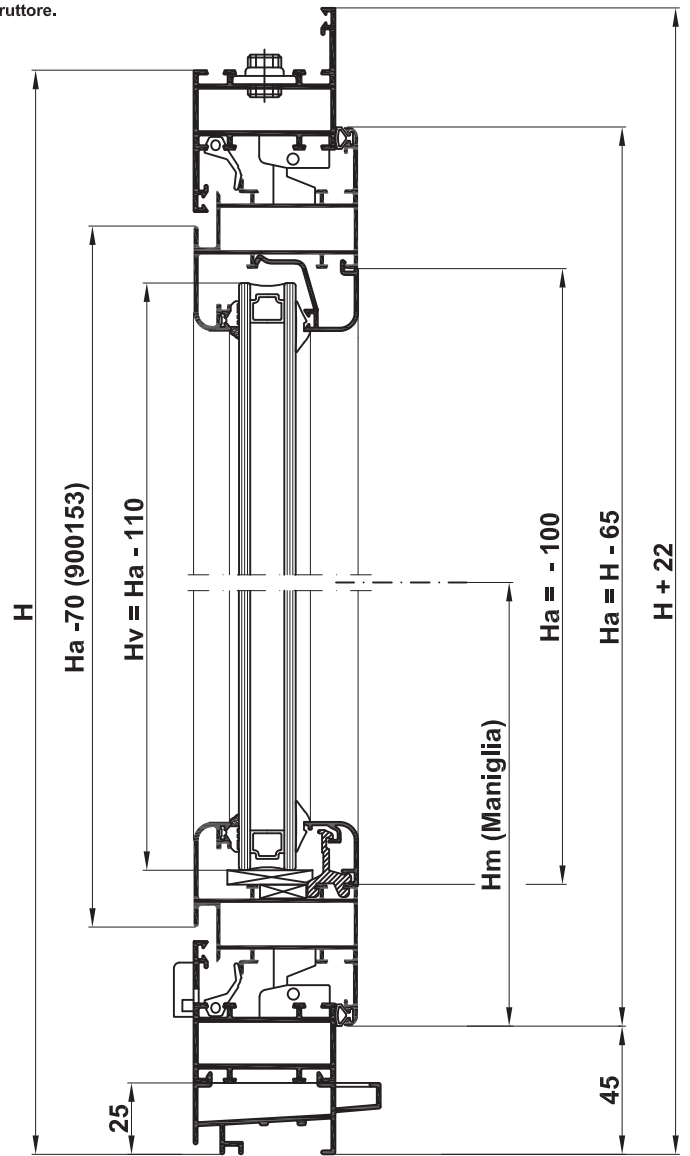
DISTINTE DI TAGLIO FINESTRA A 2 ANTE CUT LIST TWO WINGS CASEMENT WINDOW

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.
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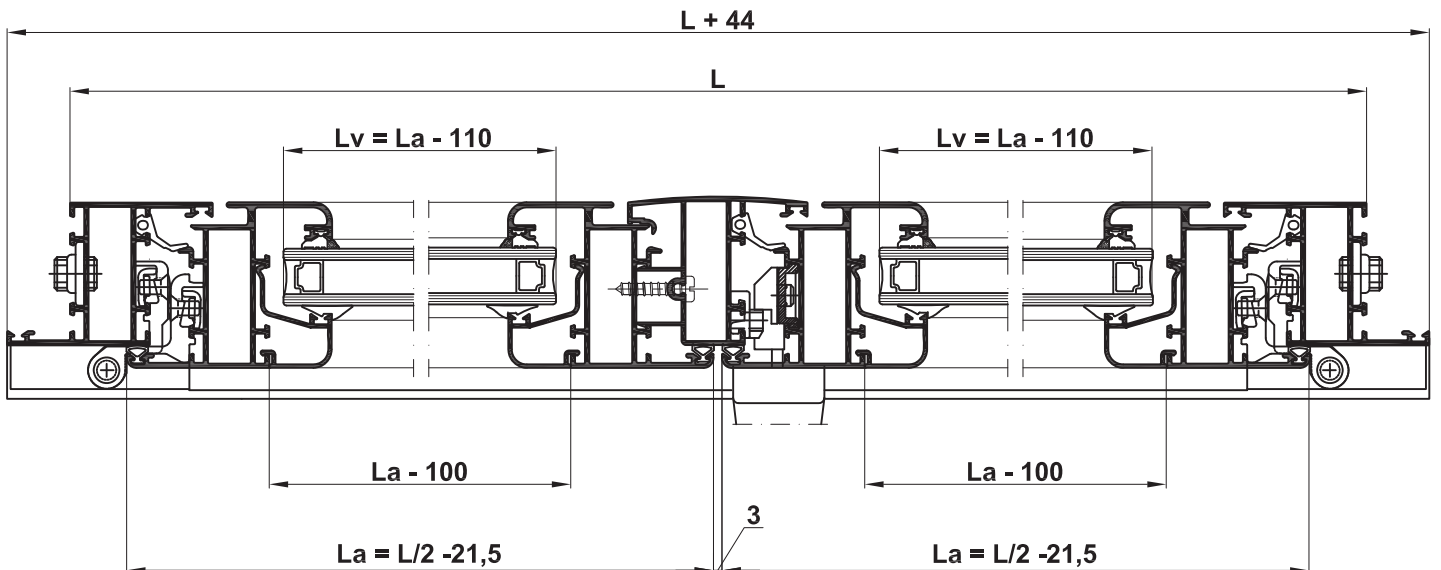


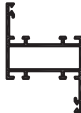
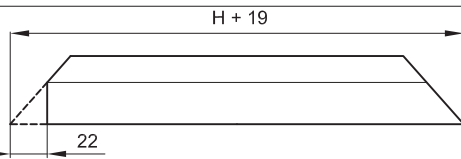
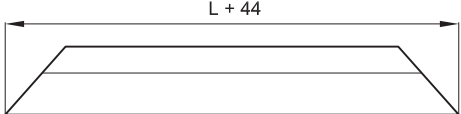

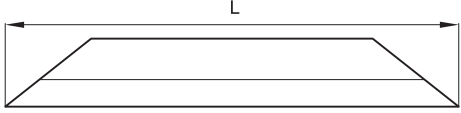

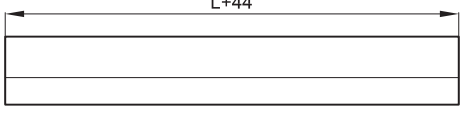

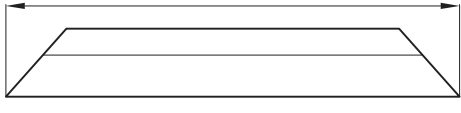
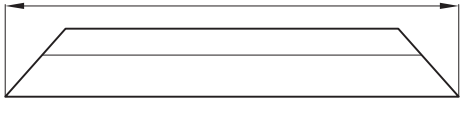

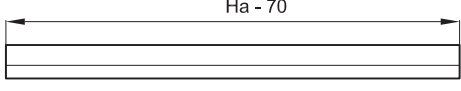

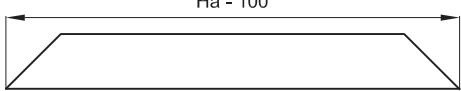
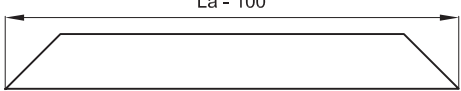

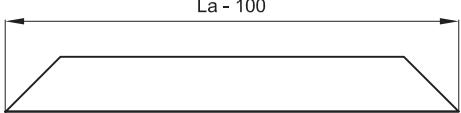

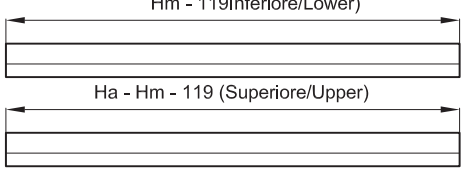
SEZ. B-B



N.B.
Spessore vetro considerato 20mm
Gioco perimetrale tra profilato in alluminio e vetro 5mm
For glass with 20mm thickness
Space between glass and aluminium section 5mm

SEZ. A-A



PROFILATO SECTION	N.Pz N.Pz	TAGLIO CUT	N.Pz N.Pz	TAGLIO CUT
900042 	2		1	
900044 			1	
900084 			1	
900704 	4		4	
900706 	1			
800299 	4		2	
800339 			2	
900151 	2			

ACCESSORI
ACCESSORIES

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.
A.5410.AA	Squadretta in alluminio estruso inserto unificato Extruded aluminium corner joint unified insert	12	A.2920.NN	Squadretta d'allineamento lato esterno 900704 Alignment corner joint on fin 900704	8	A.2134.NN	Coppia tappi in nylon battuta centrale Nylon pair of plugs for central rabbet	1
504.141.55	Coppia innesti cremonese apertura interna Pair of couplings for internal opening	1	A.4003.ZX	Cremonese reversibile apertura interna Reversible cremonese for internal opening	1	Comm.le	Tasselli spessoramento vetro Glass registration dolly	8
504.145.55	Coppia puntali in nylon con terminale in acciaio Nylon pair of terminals with stainless steel top	1	504.081.55	Riscontro in nylon con rullino per puntali Nylon striker with roller for terminals	2			
410.405.01	Basetta regolo mobile Plate for adjustable block	8	509.261.55	Paratempesa in nylon Nylon water drainage cover	3			
A.0227.EN	Angolo stampato per guarnizione G.0132.EN Printed angle for weatherstrips G.0132.EN	4	510.420.01	Regolo mobile L = 20 mm Adjustable block L = 20 mm	8			
501.231.XX	Cerniera sfilabile Slip-off hinge	4	504.103.01	Riscontro terza chiusura su innesti Striker for 3rd locking on couplings	1			
2013 (Mont.)	Squadretta d'allineamento aletta interna "FUJI" Alignment corner joint for rabbet internal "FUJI"	10	509.280.55	Coppia tappi laterali raccoglicondensa Pair lateral plugs for condensation collection	1			
2020 (Mont.)	Squadretta d'allineamento aletta esterna "FUJI" Alignment corner joint for rabbet esterna "FUJI"	4	510.490.55	Tappo copriforo rettangolare Ø 12mm Rectangular coverhole plug Ø 12mm	8			

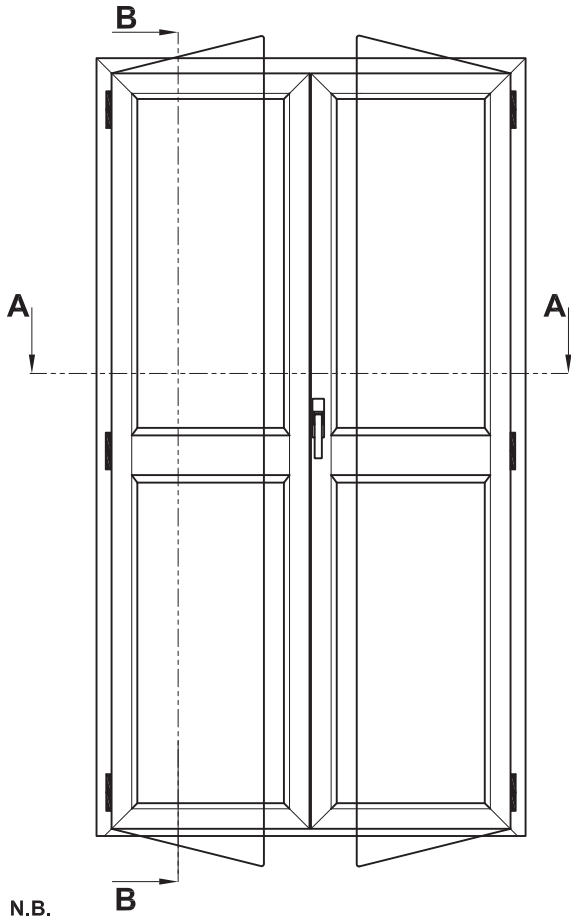
GUARNIZIONI
WEATHERSTRIPS

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.
G.0140.RN	Guarnizione appoggio vetri da 3 mm mm 3 glass support weatherstrip	4H - 2L	G.0132.EN	Guarnizione per precamera Central weatherstrip	3H - 2L			
G.0128.EN	Guarnizione su fermavetro spessore 3 mm Weatherstrip on glazing bead shim mm 3	4H - 2L	G.0126.EN	Guarnizione di battuta Weatherstrip of rabbet	5H - 2L			

DISTINTE DI TAGLIO FINESTRA BALCONE A 2 ANTE
CUT LIST TWO WINGS CASEMENT BALCONY WINDOW

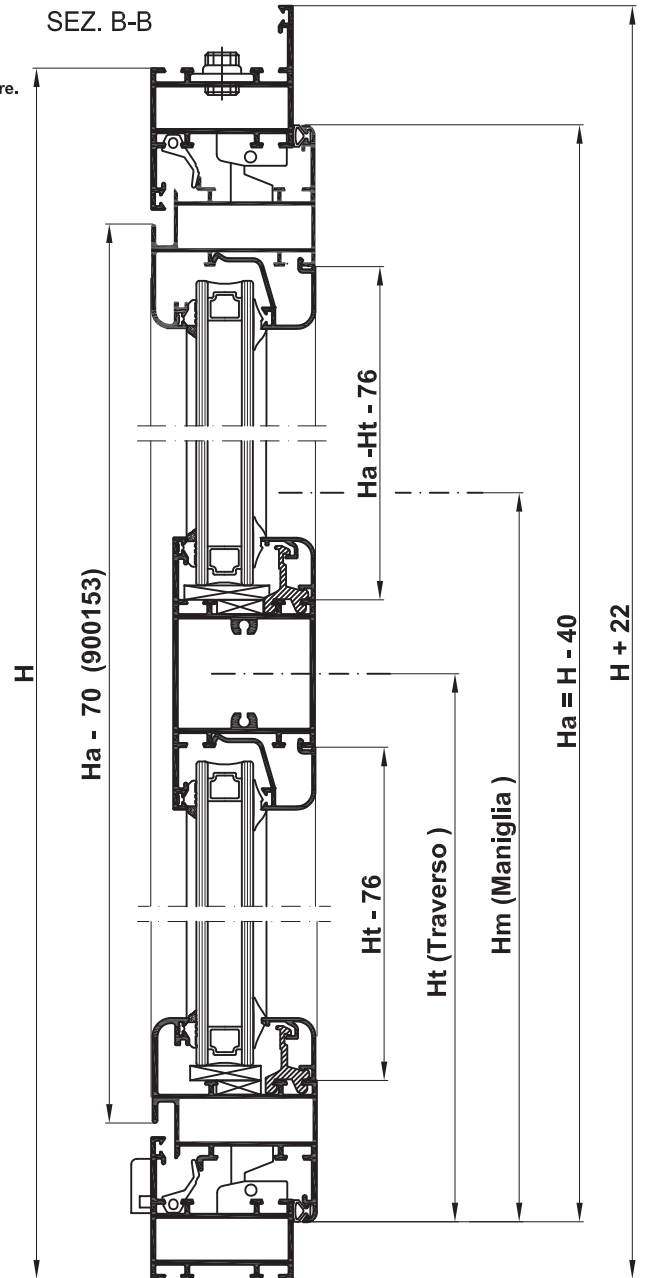
N.B.:
 - Le dimensioni di taglio e di lavorazione indicate nelle pagine seguenti sono state ottenute considerando le quote teoriche.
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N.B.:
 - The cutting and processing dimensions, indicated in the following pages, are obtained considering theoretical values. It is, therefore, always necessary to check the dimensions of the profiles before executing the cutting.
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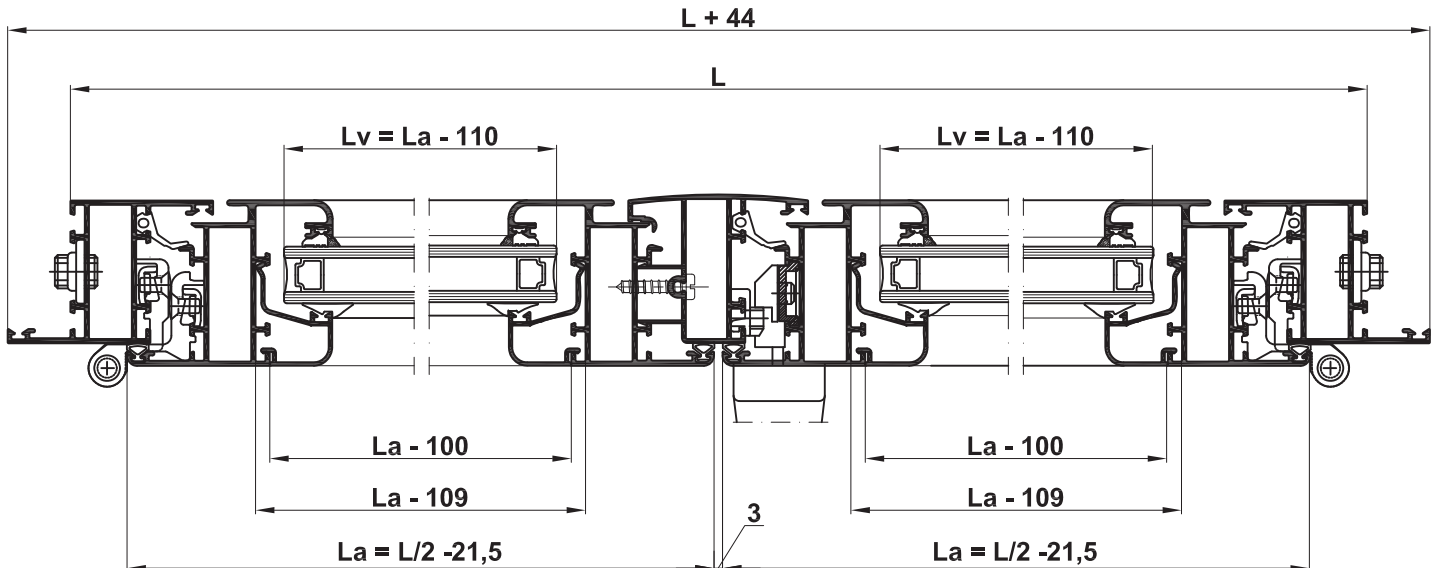


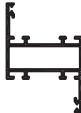
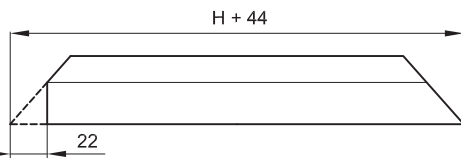
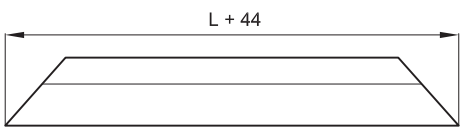

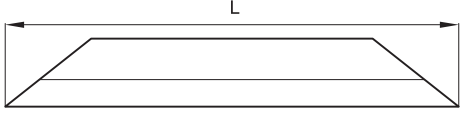

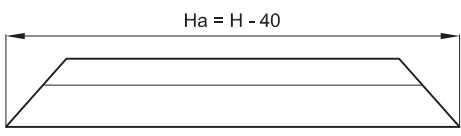
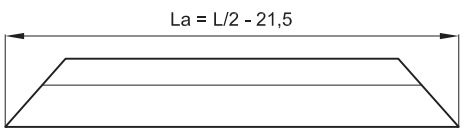

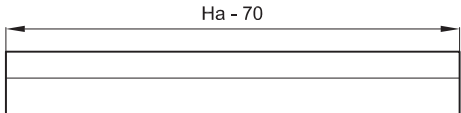

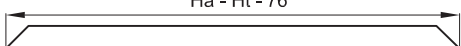
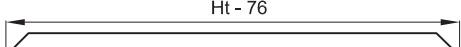
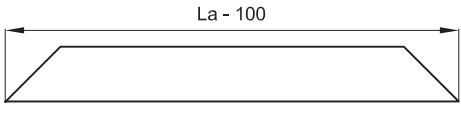

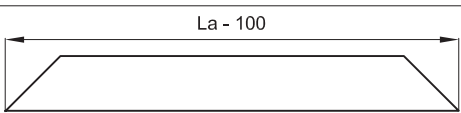

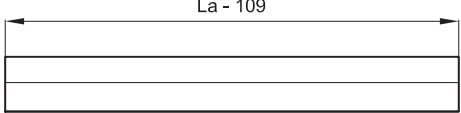

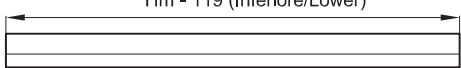
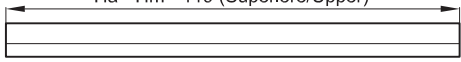
N.B.
Spessore vetro considerato 20mm
Gioco perimetrale tra profilato in alluminio e vetro 5mm
 For glass with 20mm thickness
 Space between glass and aluminium section 5mm

SEZ. B-B



SEZ. A-A



PROFILATO SECTION	N.Pz N.Pz	TAGLIO CUT	N.Pz N.Pz	TAGLIO CUT
900042 	2		1	
900044 			1	
900704 	4		4	
900706 	1			
800299 	4 4	 	4	
800339 			4	
900161 			2	
900151 	2	 		

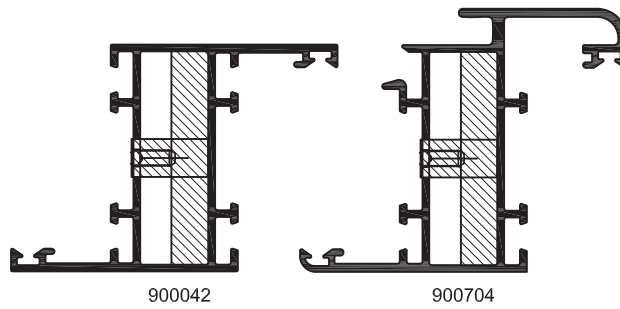
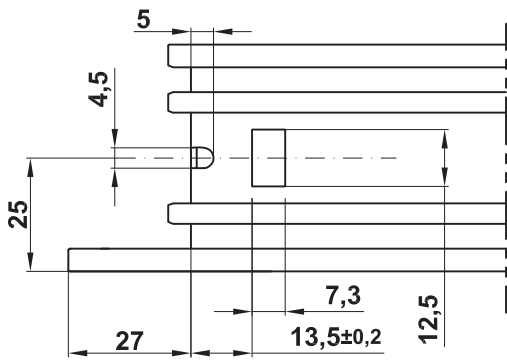
ACCESSORI
ACCESSORIES

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.
A.5410.AA	Squadretta in alluminio estruso inserto unificato Extruded aluminium corner joint unified insert	12	A.2920.NN	Squadretta d' allineamento lato esterno 900704 Alignment corner joint on fin 900704	8	Comm.le	Tasselli spessoramento vetro Glass registration dolly	16
504.141.55	Coppia innesti cremonese apertura interna Pair of couplings for internal opening	1	A.4003.ZX	Cremonese reversibile apertura interna Reversible cremonese for internal opening	1			
504.145.55	Coppia puntali in nylon con terminale in acciaio Nylon pair of terminals with stainless steel top	1	504.081.55	Riscontro in nylon con rullino per puntali Nylon striker with roller for terminals	2			
410.405.01	Basetta regolo mobile Plate for adjustable block	10	509.261.55	Paratempesta in nylon Nylon water drainage cover	3			
A.0227.EN	Angolo stampato per guarnizione G.0132.EN Printed angle for weatherstrips G.0132.EN	4	510.420.01	Regolo mobile L = 20 mm Adjustable block L = 20 mm	10			
501.231.XX	Cerniera sfilabile Slip-off hinge	6	504.103.01	Riscontro terza chiusura su innesti Striker for 3rd locking on couplings	1			
2013 (Mont.)	Squadretta d' allineamento aletta Interna "FUJI" Alignment corner joint for rabbet internal "FUJI"	10	A.2134.NN	Coppia tappi in nylon battuta centrale Nylon pair of plugs for central rabbet	1			
2020 (Mont.)	Squadretta d' allineamento aletta esterna "FUJI" Alignment corner joint for rabbet esterna "FUJI"	4	510.490.55	Tappo copriforo rettangolare Ø 12mm Rectangular coverhole plug Ø 12mm	10			

GUARNIZIONI
WEATHERSTRIPS

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.	ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	N.
G.0140.RN	Guarnizione appoggio vetri da 3 mm mm 3 glass support weatherstrip	4H - 4L	G.0132.EN	Guarnizione per precamera Central weatherstrip	3H - 2L			
G.0128.EN	Guarnizione su fermavetro spessore 3 mm Weatherstrip on glazing bead shim mm 3	4H - 4L	G.0126.EN	Guarnizione di battuta Weatherstrip of rabbet	5H - 2L			

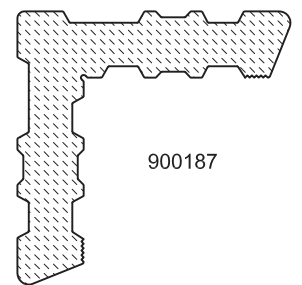
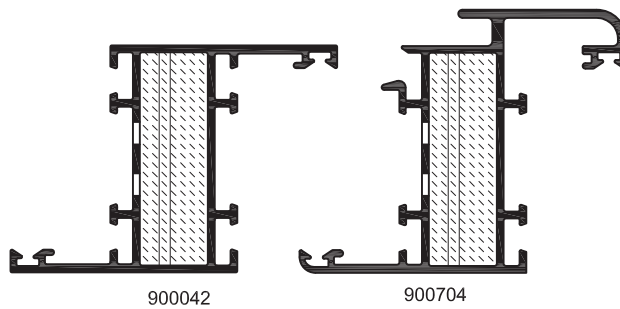
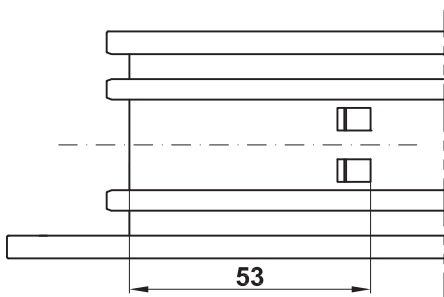
SQUADRETTA AD AVVITARE
CORNER JOINTS TO BE SCREWED



A.5410.AA

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

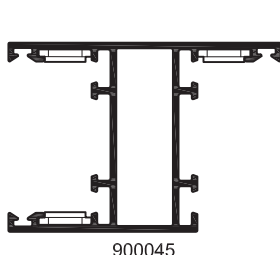
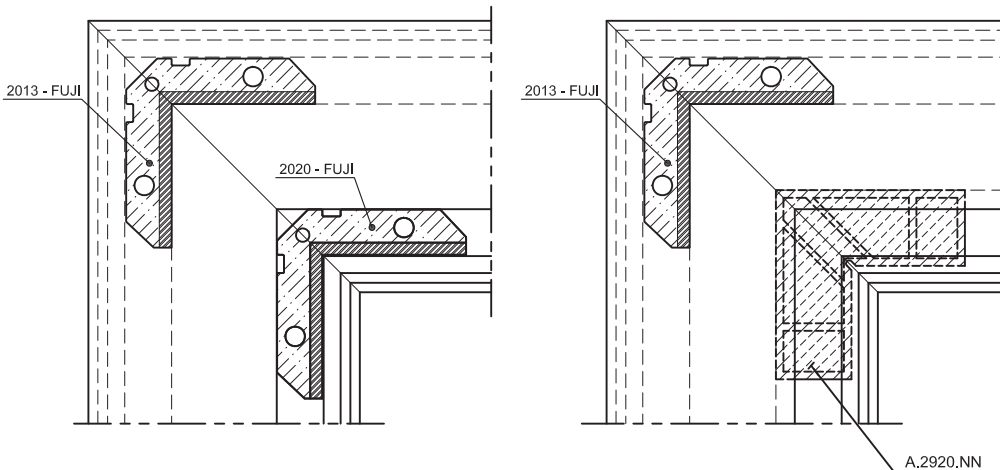
SQUADRETTA A CIANFRINARE
CORNER JOINTS TO BE CRIMPED



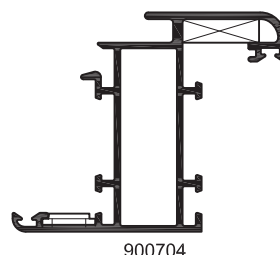
900187

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

APPLICAZIONE SQUADRETTA DI ALLINEAMENTO ALETTE
CORNER JOINT APPLICATION OF ALIGNMENT ON FINS



900045



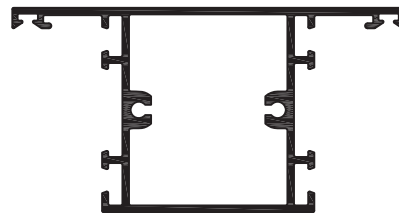
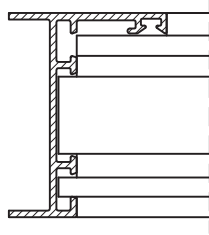
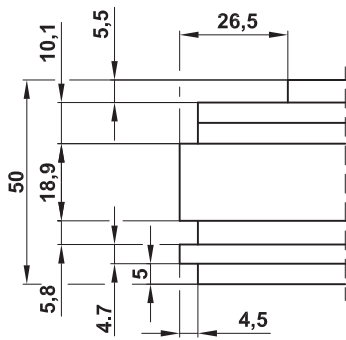
900704

- Le squadrette di allineamento su alette, devono essere incollate con colle per alluminio di tipo epossidico bicomponente o di tipo poliuretano monocomponente

- The corner joints to be crimped, and alignment on fins, must be glued with bicomponent epoxy or monocomponent polyuretan glue for aluminium

INTESTATURA FASCE - ZOCCOLI

BUTTING HORIZONTAL PANELS - SKIRTING BOARDS



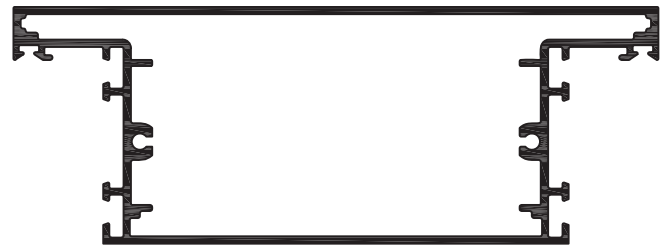
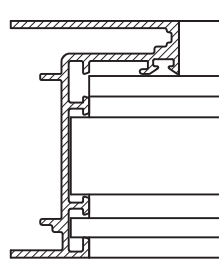
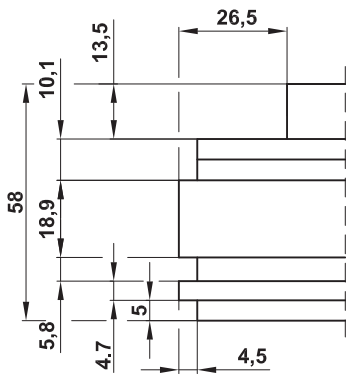
900161

900047
900087
900141
900488
900489
800670

INTESTATURA FASCE - ZOCCOLI - COMPLANARI

BUTTING HORIZONTAL PANELS - SKIRTING BOARDS - COMPLANAR

Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP



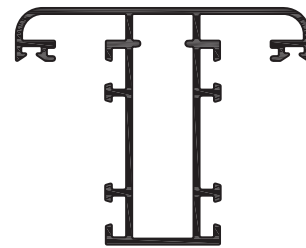
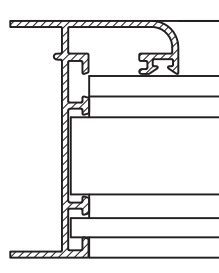
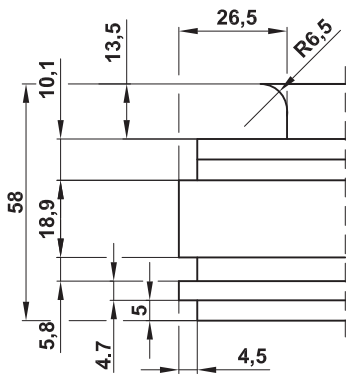
900185

900184 - 900197 - 900480

INTESTATURA FASCE - ZOCCOLI - COMPLANARI ARROTONDATI

BUTTING HORIZONTAL PANELS - SKIRTING BOARDS - COMPLANAR RADIUSED

Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

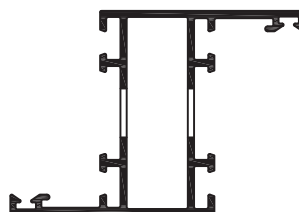
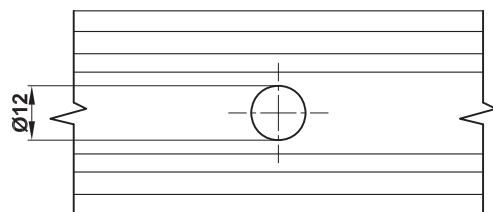


800338

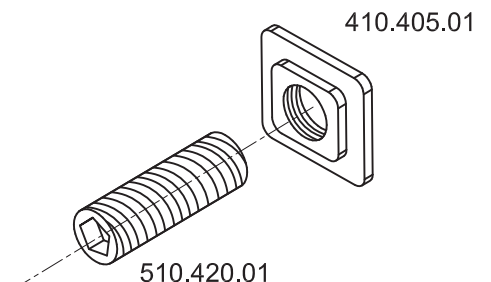
FORATURA PER REGOLO

DRILLING FOR ADJUSTABLE BLOCK

Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

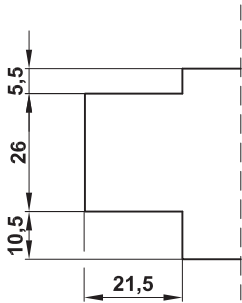


900042

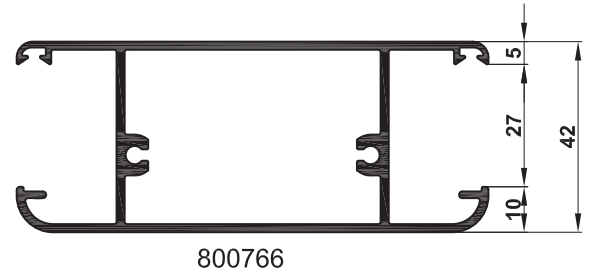
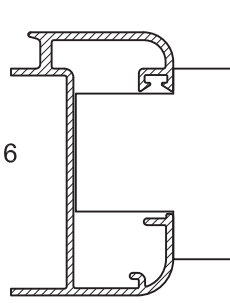


Attrezzatura: TRAPANO
Tooling: DRILL

INTESTATURA FASCE - ZOCOLI - (VETRO AD INFILARE)
BUTTING HORIZONTAL PANELS - SKIRTING BOARDS - (GLASS TO INSERT)



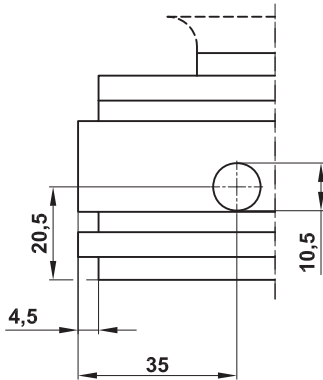
900716



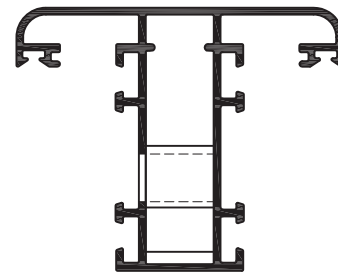
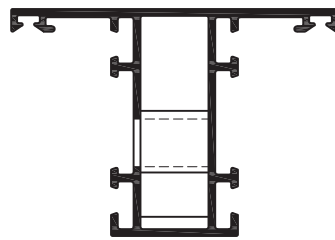
800766

Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

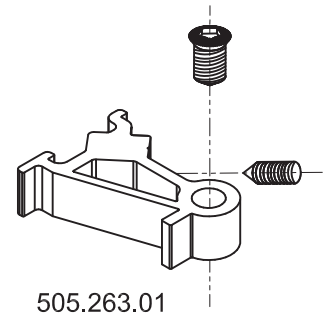
FORATURA PER CAVALLOTTO
DRILLING FOR T JOINT



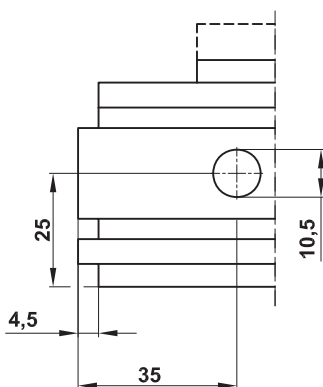
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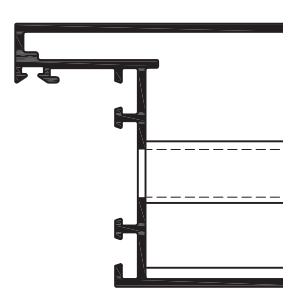
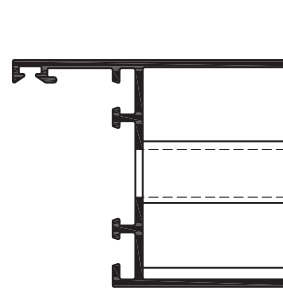
800338



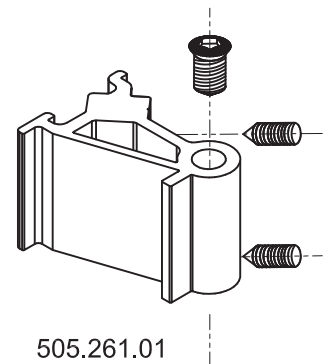
505.263.01



900076



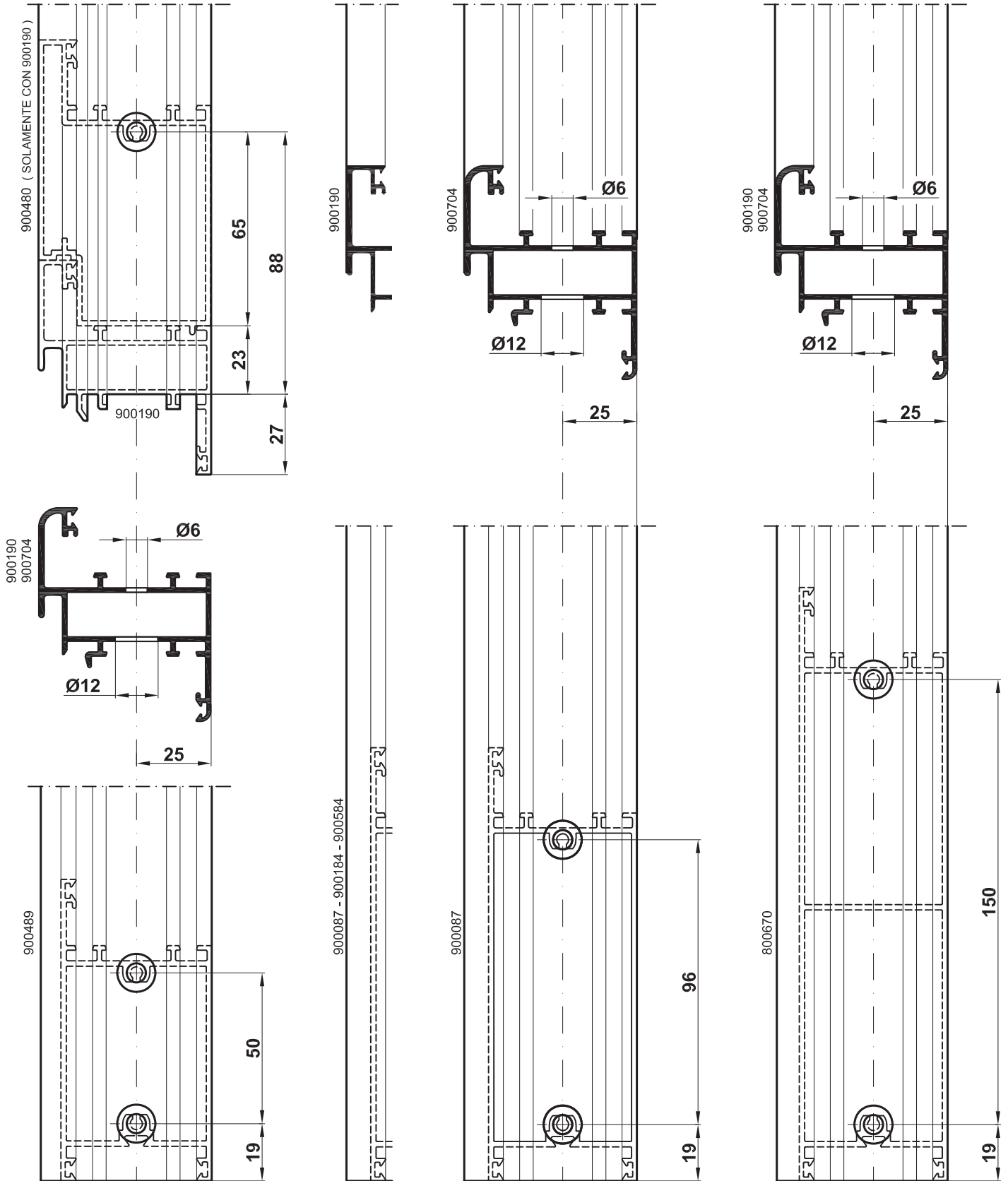
900197



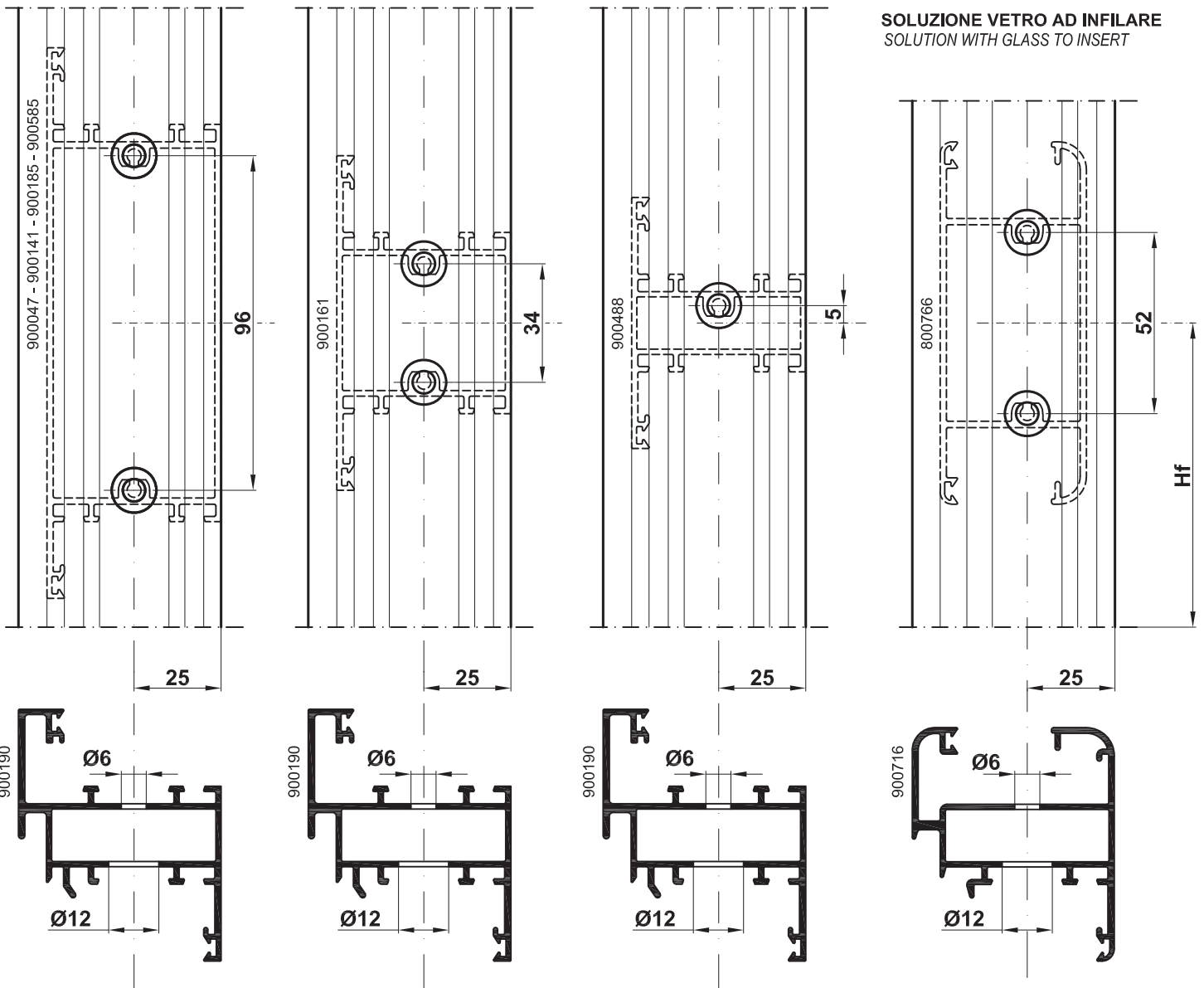
505.261.01

Attrezzatura: TRAPANO
Tooling: DRILL

FORATURA PER UNIONE SAVRAZZOCCOLI E ZOCCOLI
PUNCHING FOR BAND AND SKIRTING BOARD CONNECTION



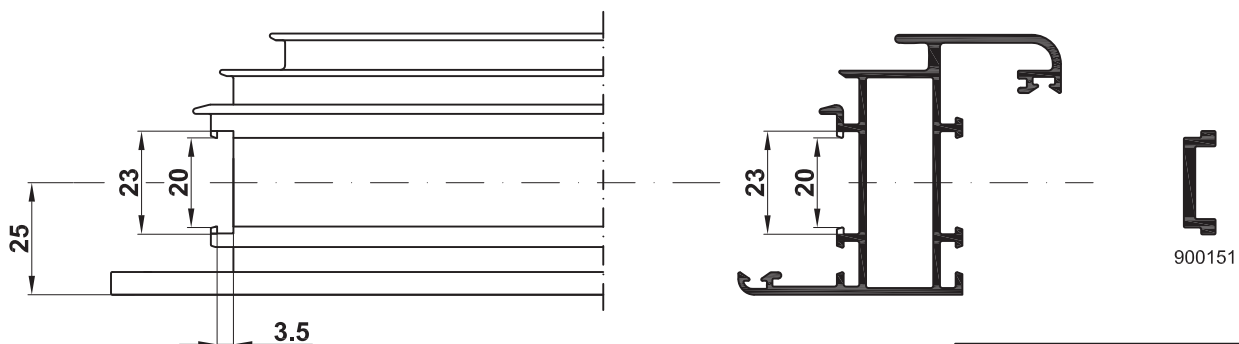
FORATURA PER UNIONE FASCE
PUNCHING FOR HORIZONTAL PANELS



SOLUZIONE VETRO AD INFILARE
SOLUTION WITH GLASS TO INSERT

ASPORTAZIONE DENTINI PER INSERIMENTO ASTA
TOOTH REMOVAL FOR ROD NOTCH

Attrezzatura: TRAPANO
Tooling: DRILL

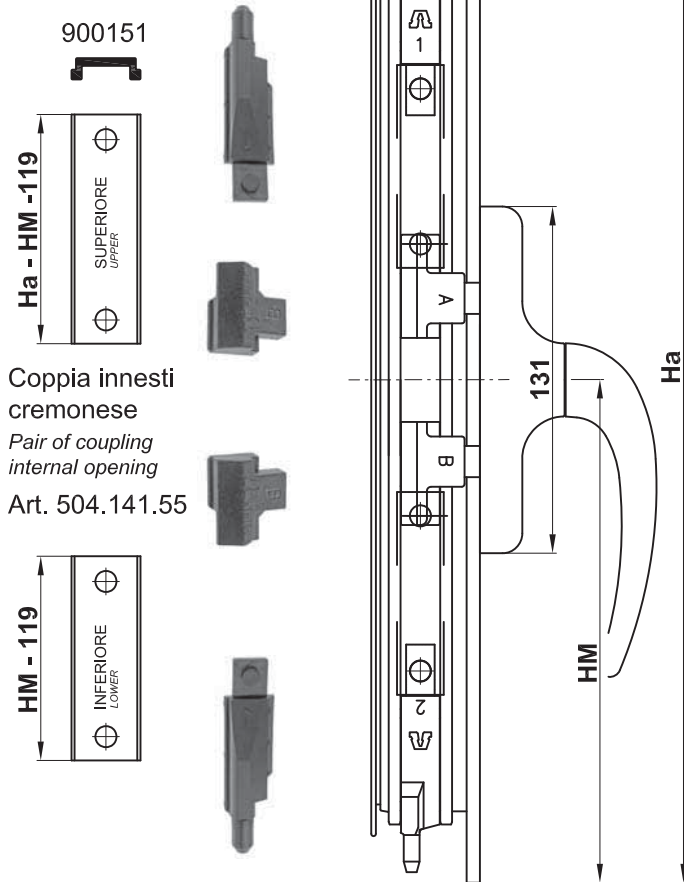


Attrezzatura: PUNZONATRICE
Tooling: PUNCHING MACHINE - DRILL

PUNтали, RISCOntRI E CREMONESI

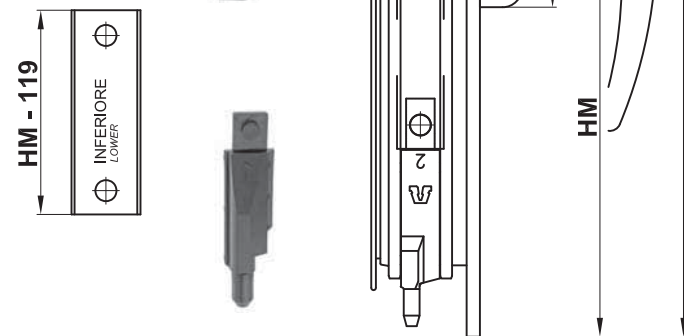
Coppia puntali in nylon
con terminali in acciaio
*Pair of zamak terminals
with stainless steel top*
Art. 504.145.55

Coppia puntali in nylon
Pair of nylon terminals
Art. 504.142.55

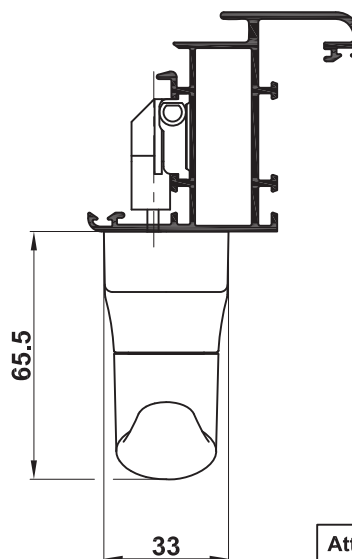
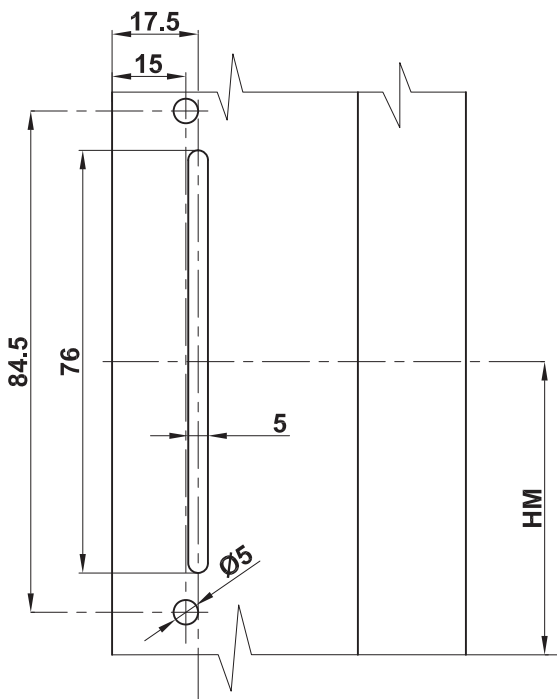


Coppia innesti
cremonese
*Pair of coupling
internal opening*
Art. 504.141.55

Coppia innesti
cremonese
*Pair of coupling
internal opening*
Art. 504.141.55

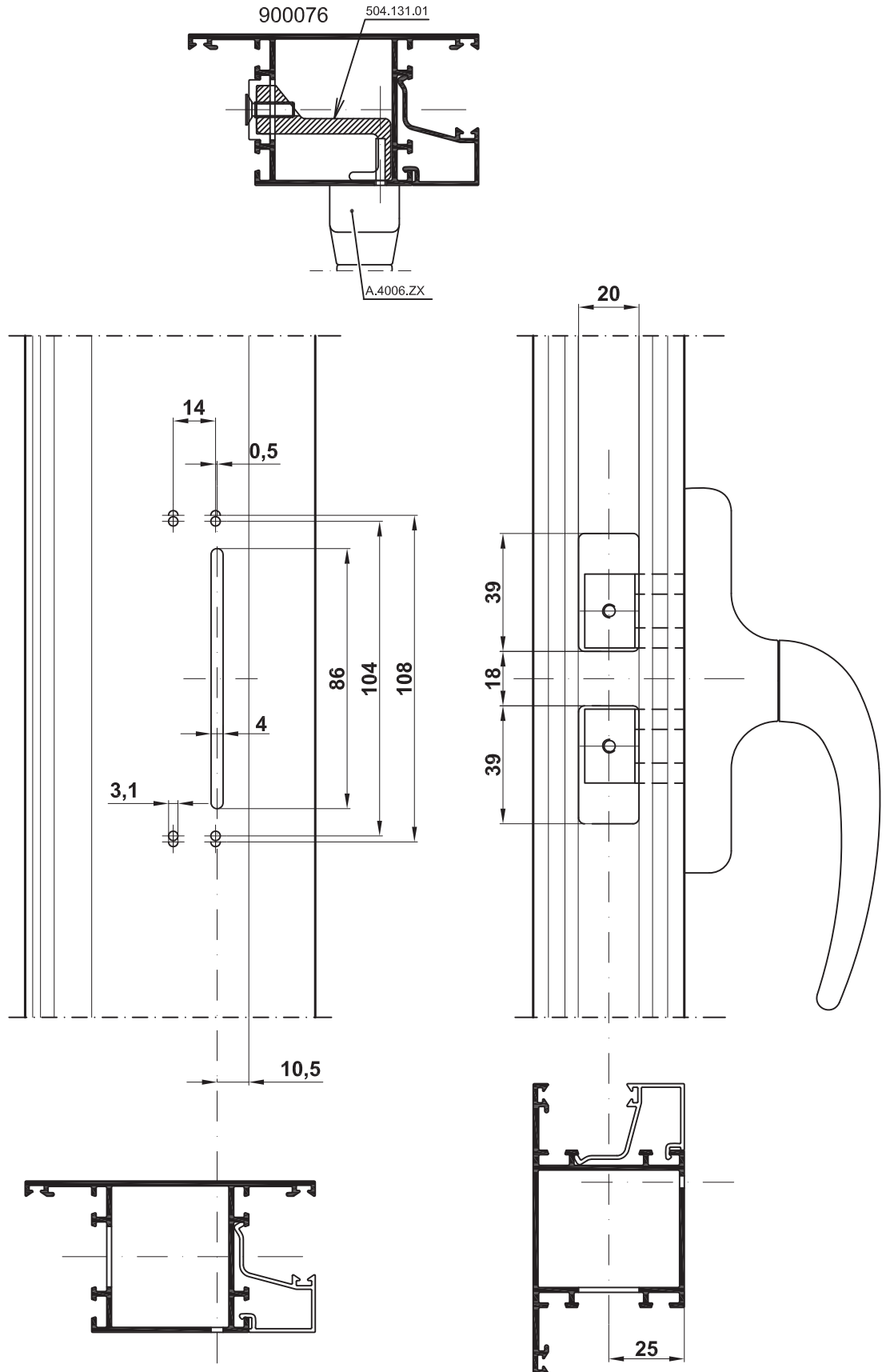


LAVORAZIONE PER CREMONESI
TOOLING FOR CREMONES BOLT

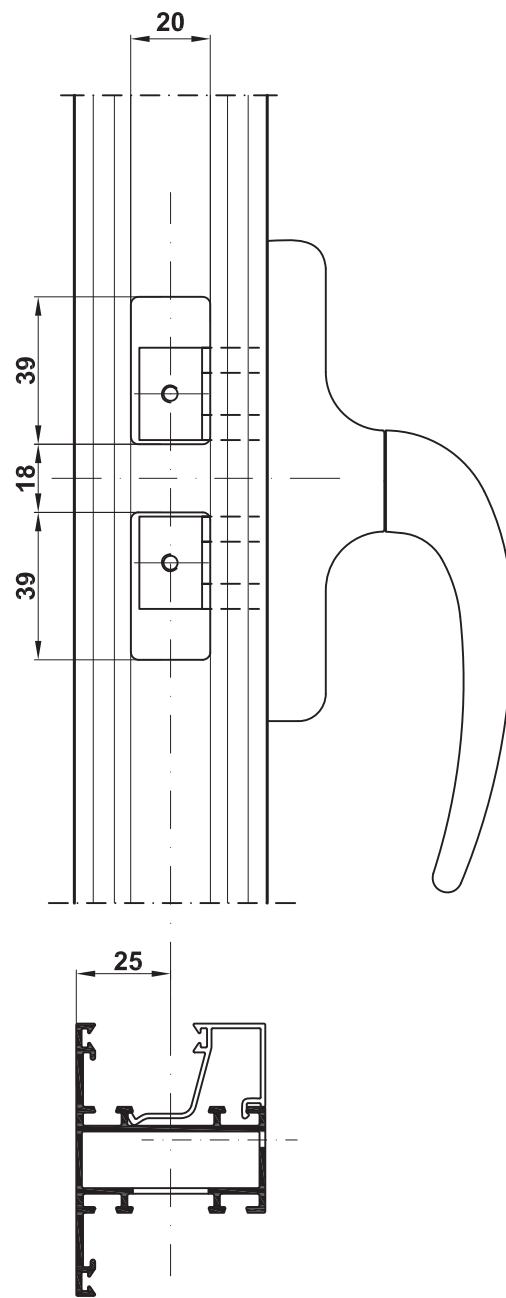
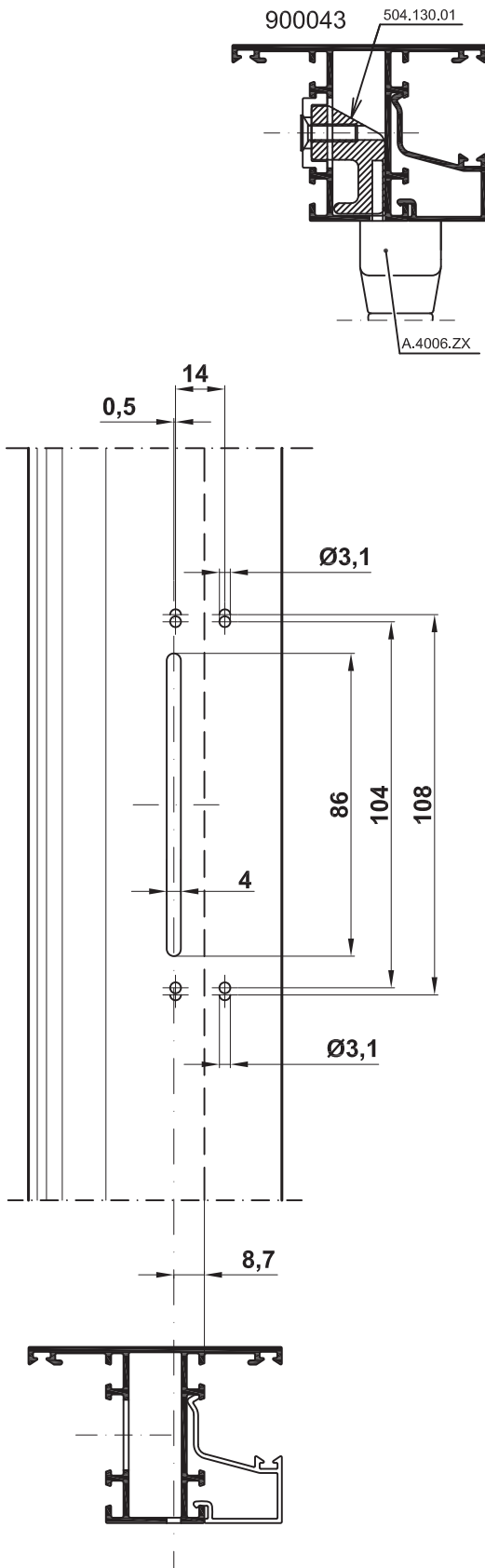


Cremonese reversibile
Reversible cremone
Art. A.4003.ZX

Attrezzatura: PUNZONATRICE
Tooling: PUNCHING MACHINE - DRILL

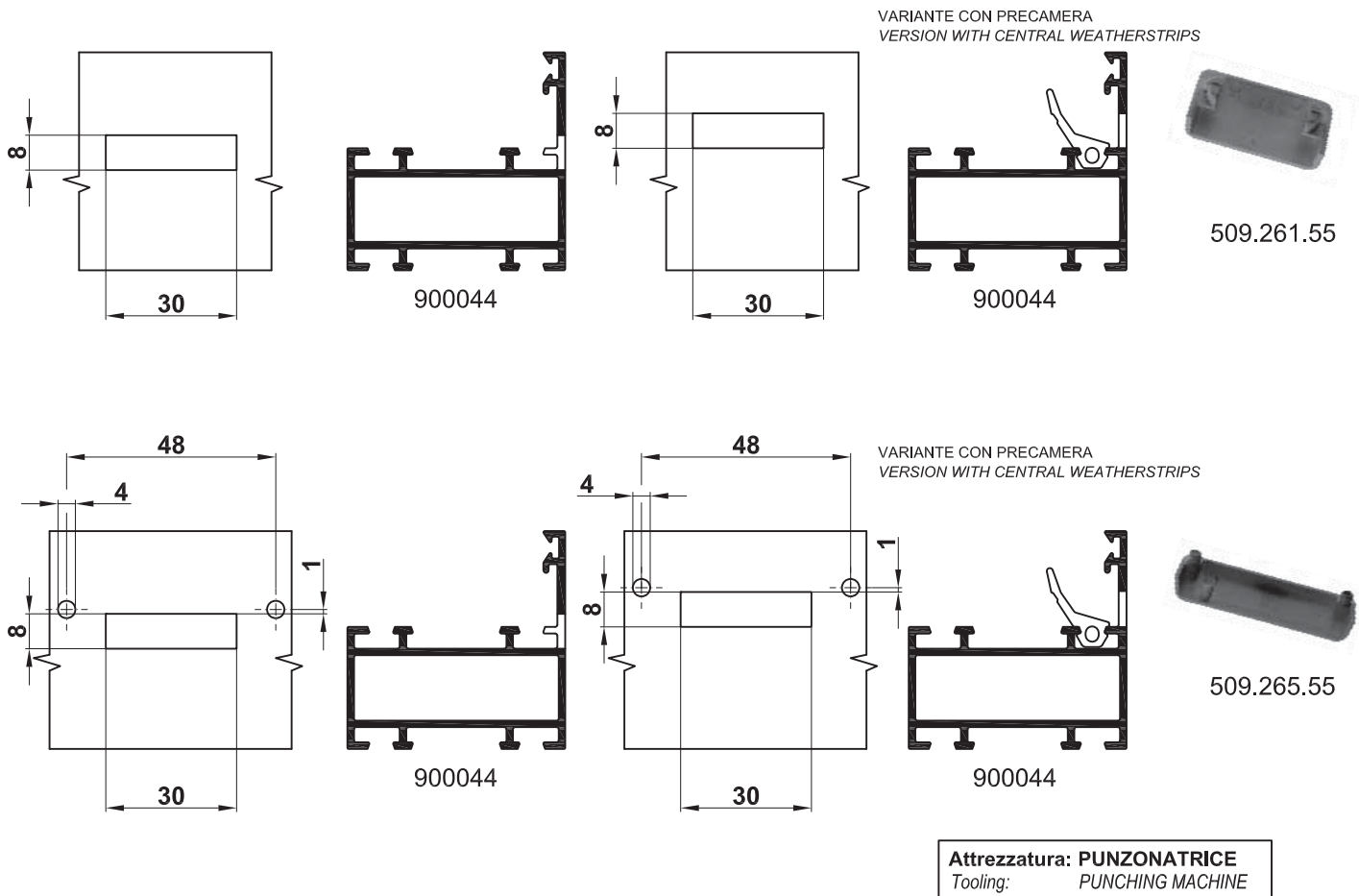


Attrezzatura: PANTOGRAFO
 Tooling: PANTOGRAPH

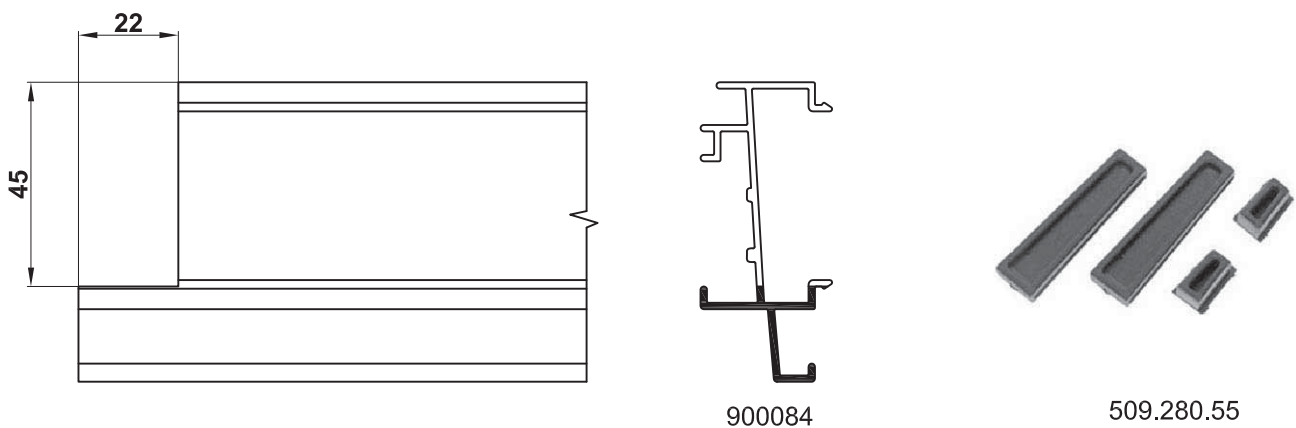


Attrezzatura: PANTOGRAFO
 Tooling: PANTOGRAPH

LAVORAZIONE DEFLUSSO ACQUA
TOOLING WATER DRAINAGE



LAVORAZIONE PROFILO 900084
TOOLING FOR PROFILE 900084

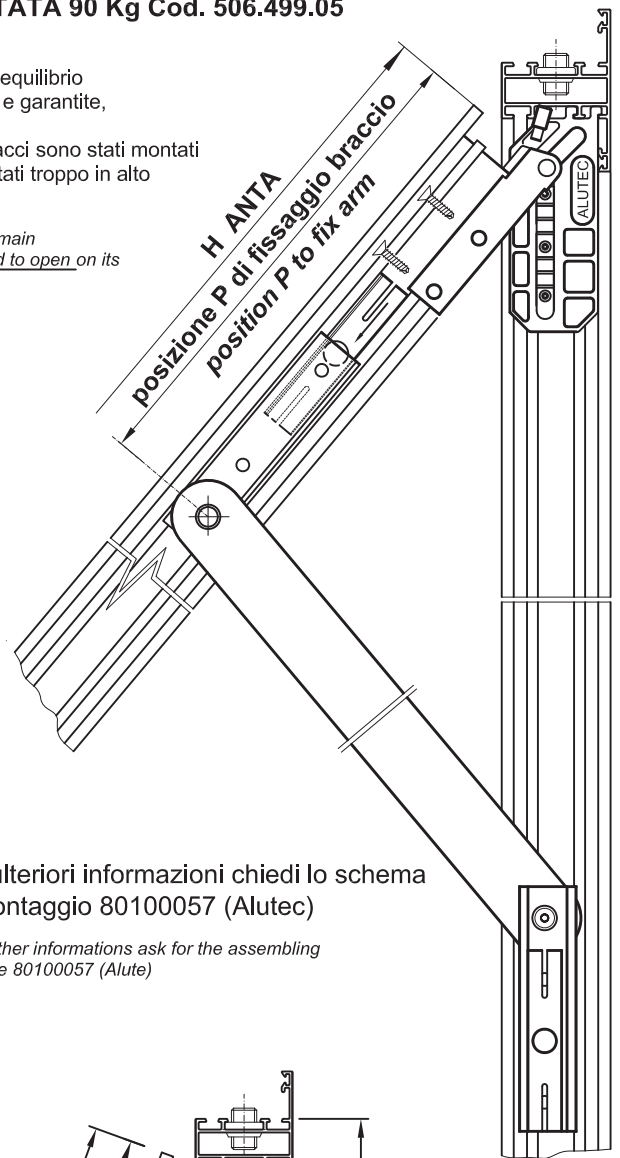


Attrezzatura: GRUPPO FRESE
Tooling: MILLING CUTTER GROUP

GRUPPO ARTICOLAZIONE RINFORZATO PER SPORGERE PORTATA 90 Kg Cod. 506.499.05
RELEASABLE ARMS FOR HOPPER WINDOW

I sistemi a sporgere R50, sono basati 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

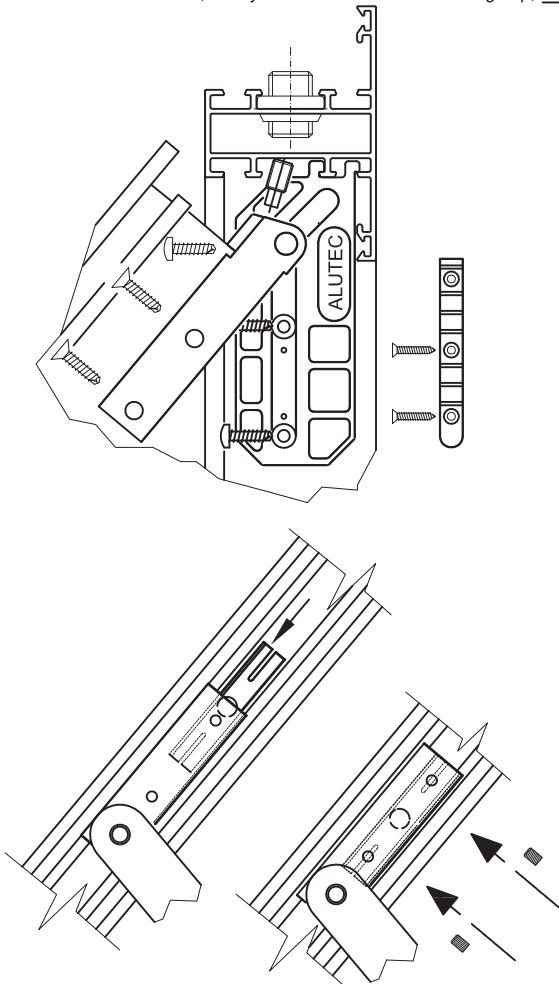
R50, awning systems with load-bearing arms, are based on the balancing of the sash which must remain balanced regardless of its opening position. If the arms have been mounted too low the sash will tend to open on its own while viceversa, if they have been mounted too high up, the sash tends to close.



Posizione P Position P	
H anta H wing	P
500	NON FATTIBILE
600	183
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 (Alute)

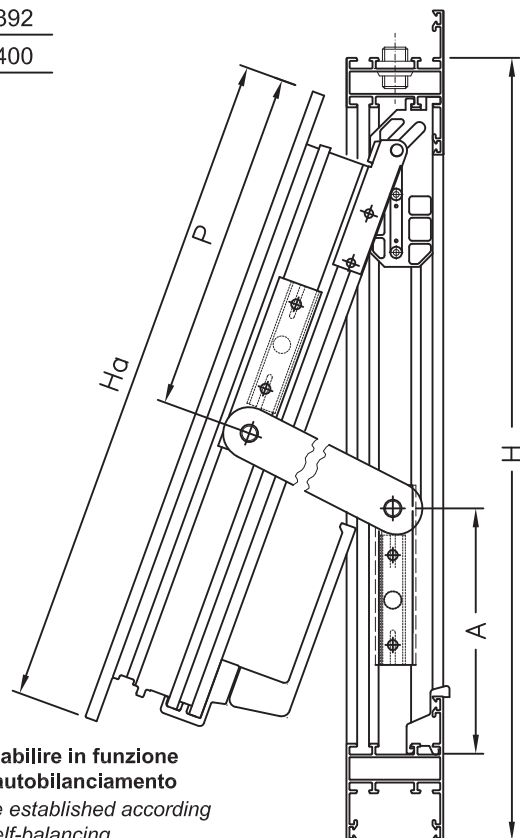


506.499.05
Portata 90 Kg
Maximum load 90 Kg

Per dimensioni superiori ad L=900 mm applicare n°2 chiusure

For dimensions with width over 900 mm 2 locks are to be applied

A = Da stabilire in funzione dell'autobilanciamento
A = To be established according to self-balancing

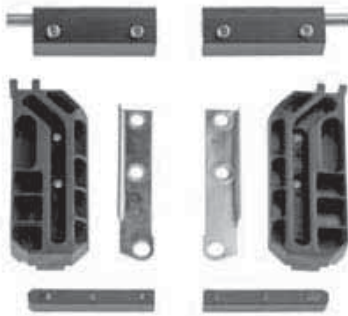


GRUPPO ARTICOLAZIONE RINFORZATO PER SPORGERE PORTATA 75 Kg Cod. 506.300.05
RELEASABLE ARMS FOR HOPPER WINDOW

I sistemi a sporgere R50, sono basati 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

R50, 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 vicesa, if they have been mounted too high up, the sash tends to close.



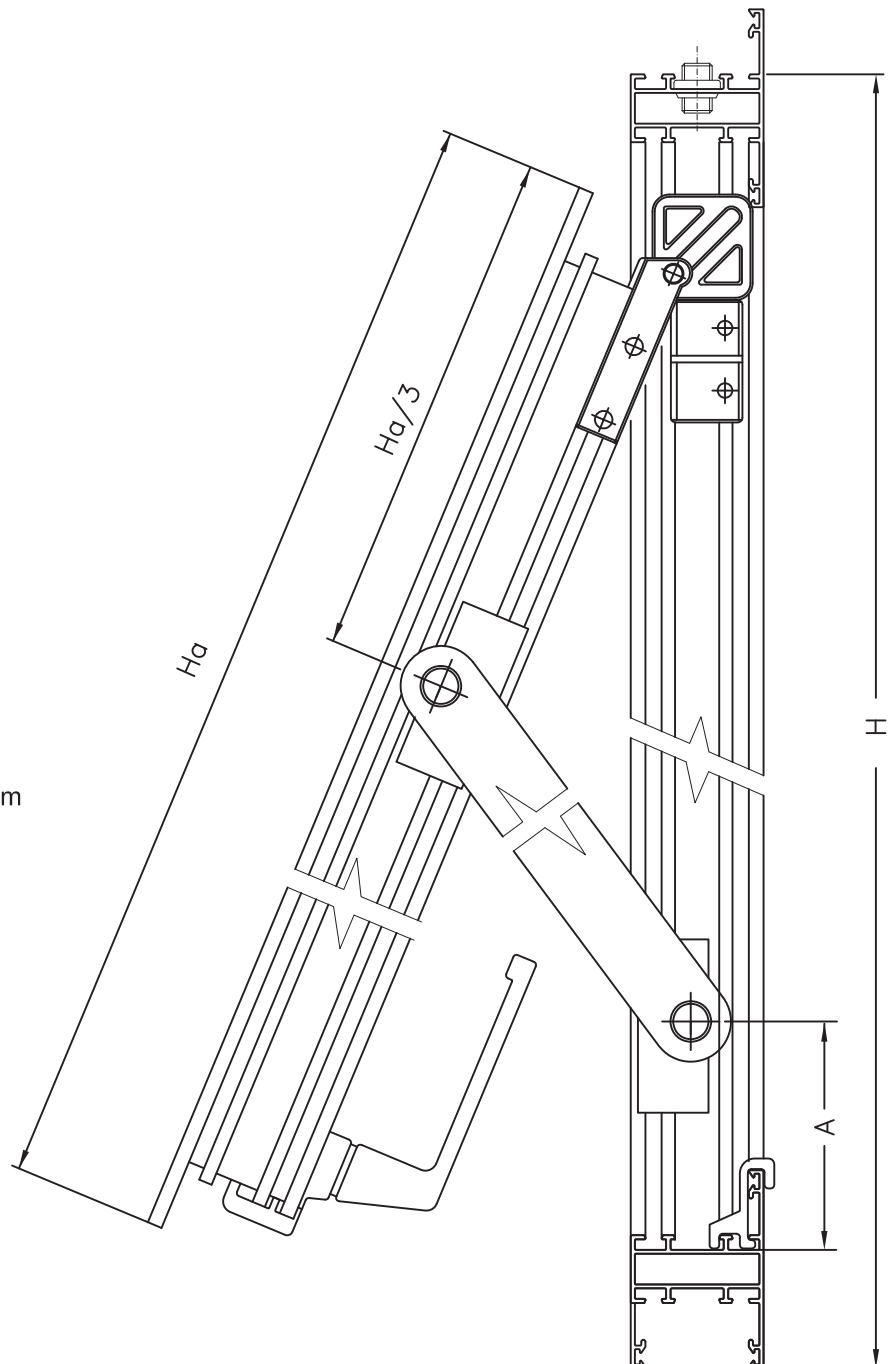
506.300.05
Portata 75 Kg
Maximum load 75 Kg

Utilizzabile con Articoli:
406.300.05 / 406.500.05

Can be applied:
406.300.05 / 406.500.05

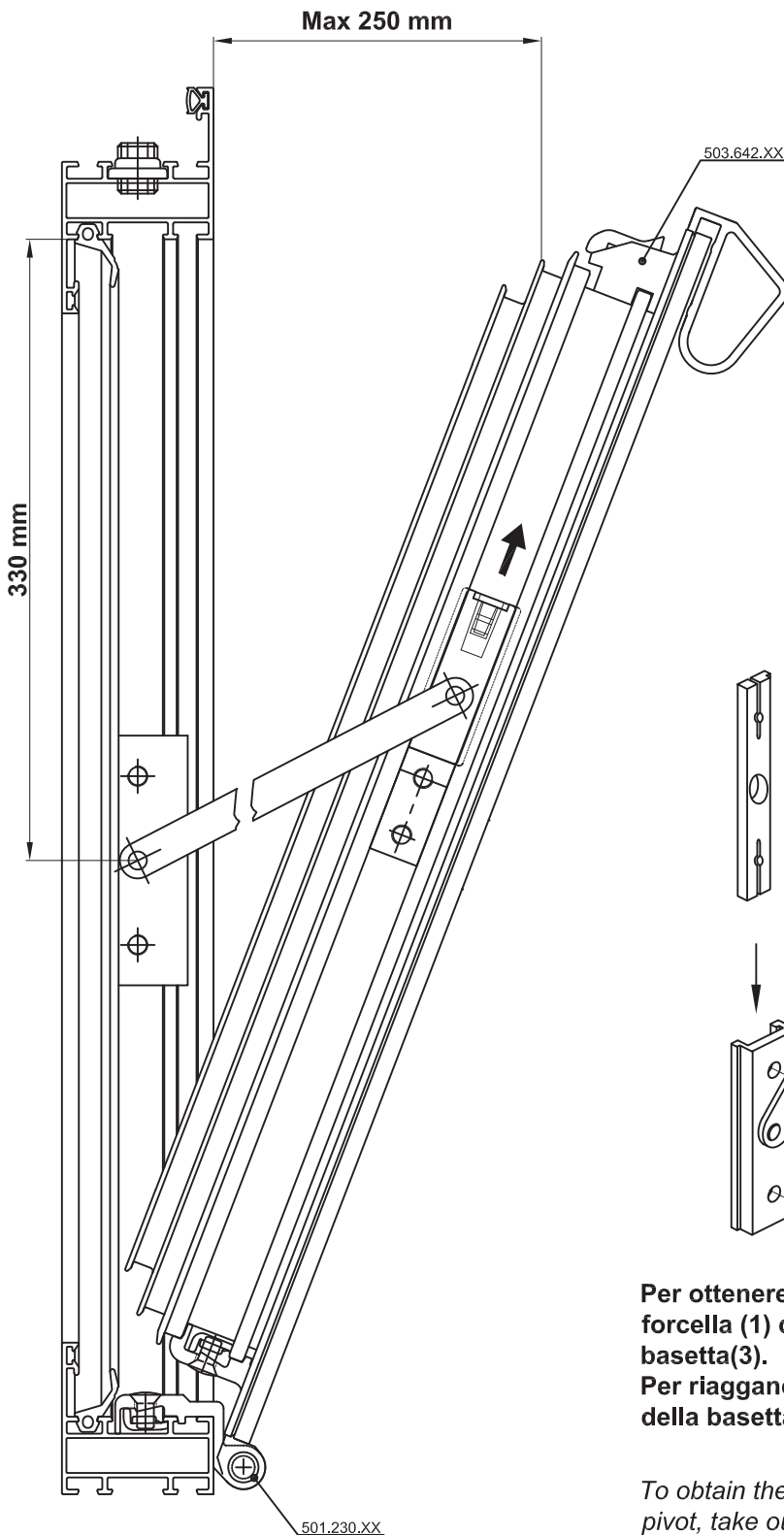
Per dimensioni superiori ad L=900 mm
applicare n°2 chiusure

For dimensions with width over 900
mm 2 locks are to be applied

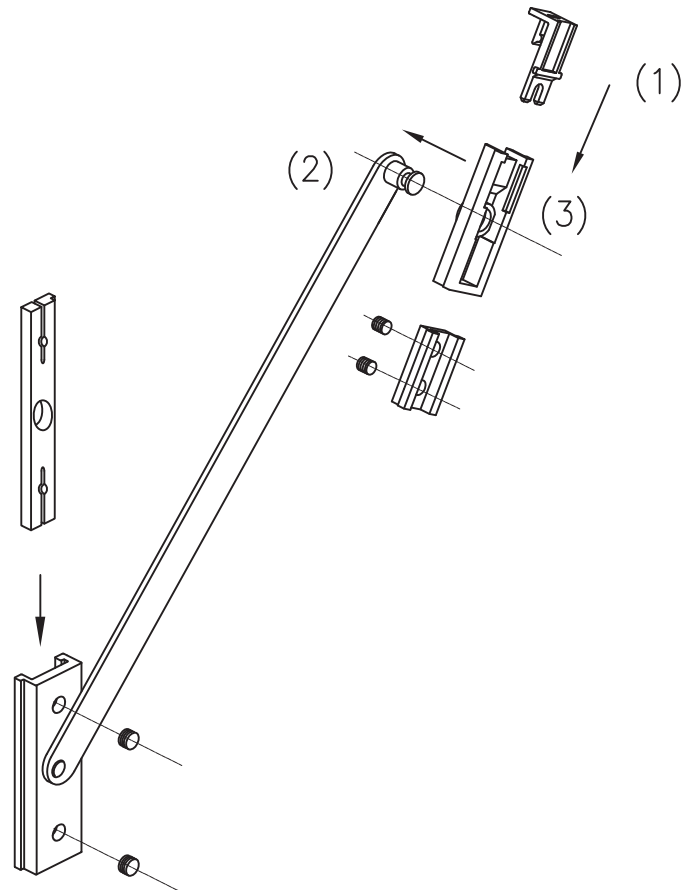


A = Da stabilire in funzione dell'autobilanciamento
A = To be established according to self-balancing

BRACCI SGANCIABILI PER WASISTAS
RELEASABLE ARMS FOR HOPPER WINDOW



506.252.05
Portata 40 Kg
Maximum load 40 Kg

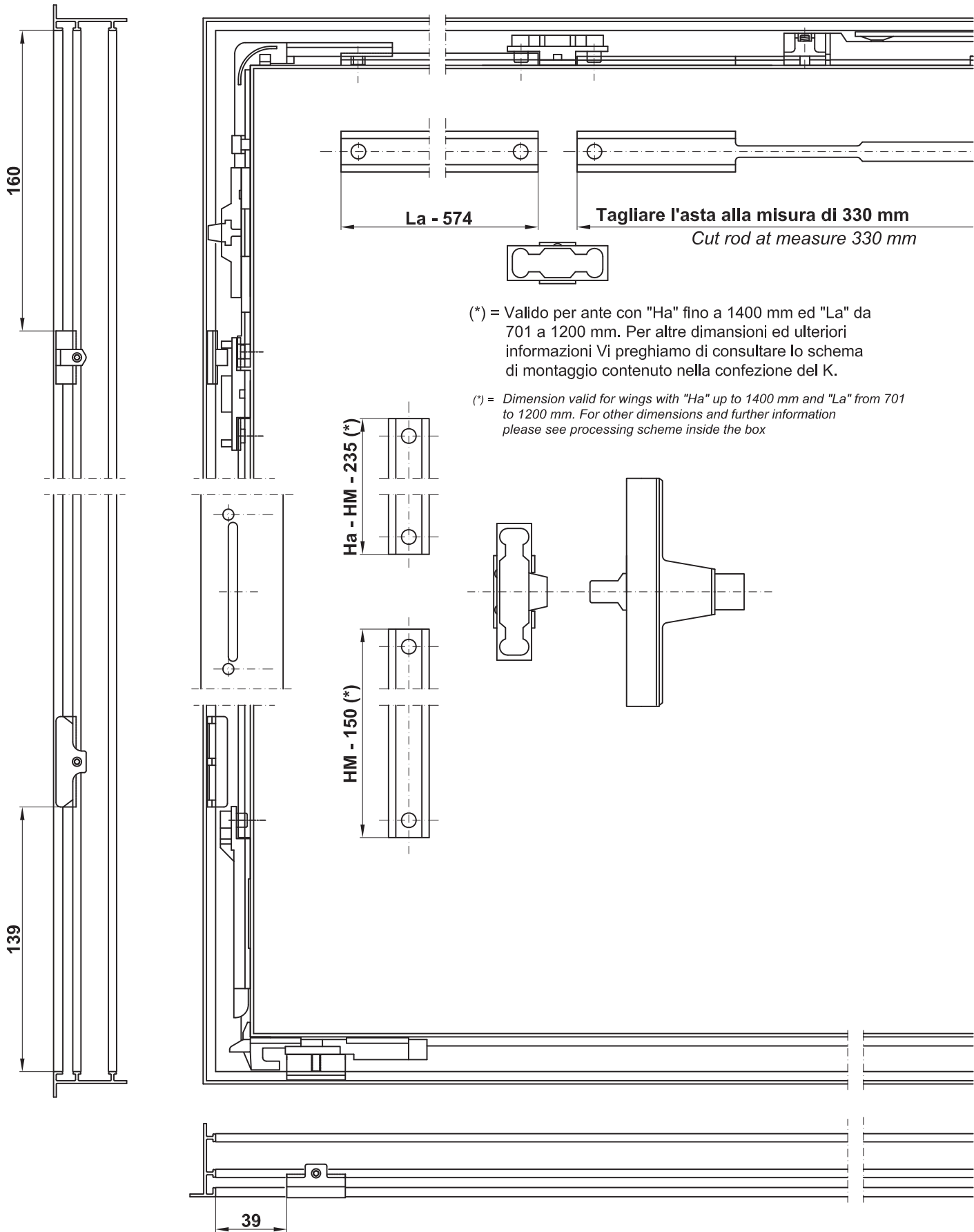


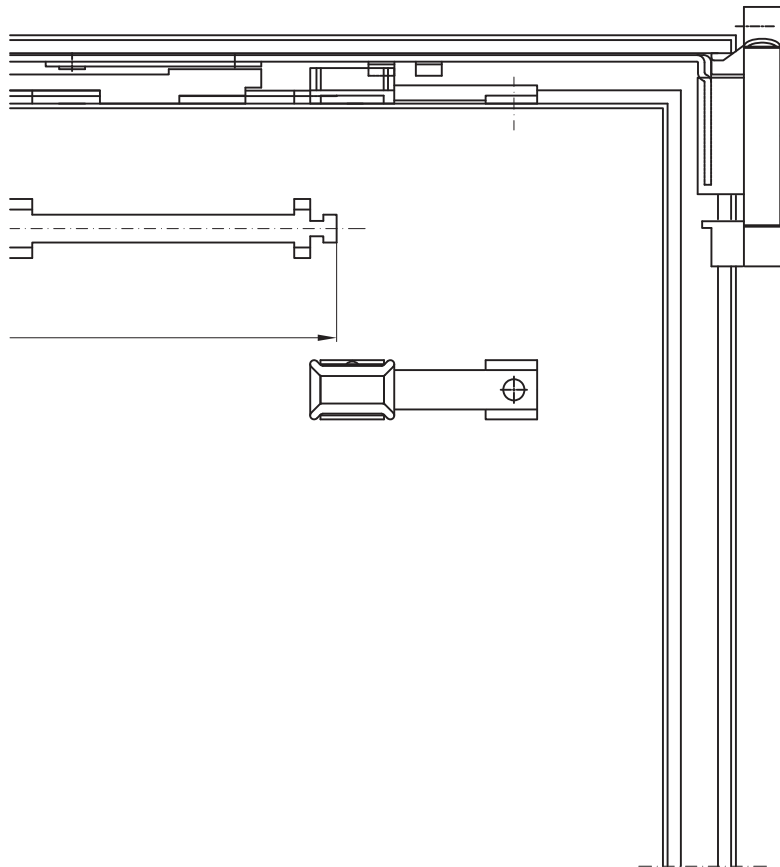
Per ottenere lo sganciamento del braccio, agire sulla forcella (1) di arresto del perno, estrarre il braccio (2) dalla basetta(3).

Per riagganciarlo, inserire il perno del braccio nella sede della basetta (3), agire sulla forcella fino allo scatto.

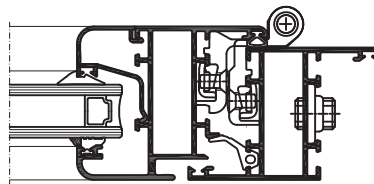
To obtain the arm release, operate on the stop yoke (1) of the pivot, take out the arm (2) from the plate (3).

To re-hook the arm, insert the arm pivot in the plate housing (3), operate on the yoke until it releases.





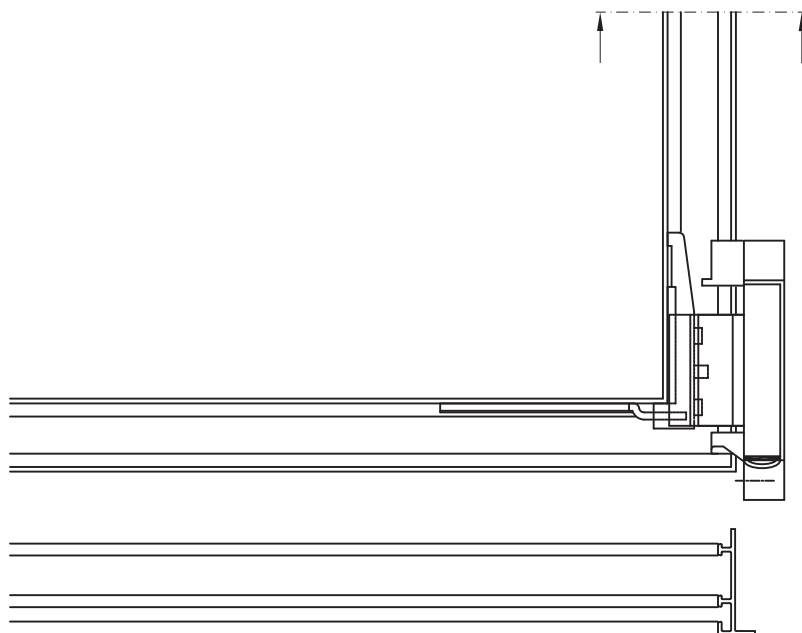
MAX.	2400	X	X	*	35	29	24	21	19	17	15	14	12	11	11	10
	2300	X	X	*	37	30	26	22	20	18	16	14	13	12	11	10
	2200	X	X	*	*	32	27	24	21	19	17	15	14	13	12	11
	2100	X	X	*	*	34	29	25	22	20	18	16	15	14	12	12
	2000	X	X	*	*	36	30	26	23	21	19	17	16	14	13	12
	1900	X	X	*	*	32	28	25	22	20	18	17	15	14	13	12
	1800	*	*	*	*	35	30	26	24	21	19	18	16	15	14	13
	1700	*	*	*	*	37	32	28	25	23	21	19	18	16	14	14
	1600	*	*	*	*	*	34	30	27	24	22	20	18	16	14	14
	1500	*	*	*	*	*	37	33	29	26	24	22	18	16	13	13
	1400	*	*	*	*	*	36	32	29	26	22	18	15	12	12	12
	1300	*	*	*	*	*	*	35	31	26	21	17	13	10	10	10
	1200	*	*	*	*	*	*	*	31	26	20	15	11	8	8	8
	1100	*	*	*	*	*	*	*	31	26	17	14	10	6	6	6
	1000	*	*	*	*	*	*	*	28	20	14	10	6	X	X	X
	900	*	*	*	*	*	*	*	33	23	16	10	6	X	X	X
800	*	*	*	*	*	*	*	27	17	10	5	X	X	X	X	
700	*	*	*	*	*	*	*	32	19	10	X	X	X	X	X	
MIN.	600	*	*	*	*	*	37	19	7	X	X	X	X	X	X	
		MIN.														MAX.
		350	509	510	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700
L = Largh. anta mobile L = wing width																



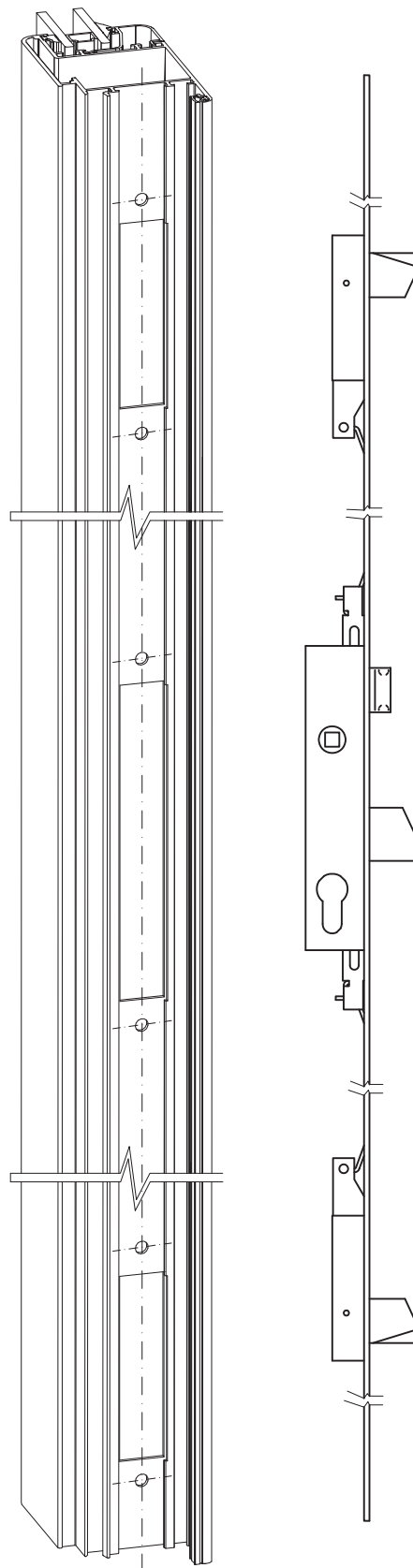
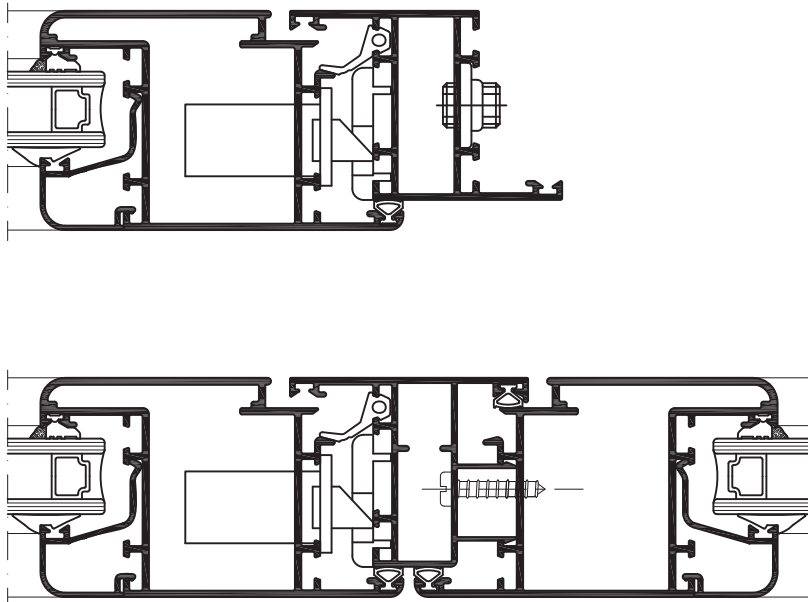
- * Esegibile con spessore max vetro mm 38
Feasible with glass thickness of max mm 38
- 20 Esegibile con spessore max vetro indicato (es: mm 20)
Feasible with glass thickness as indicated (ex: mm 20)
- X Non eseguibile
Not Feasible

N.B. Lo spessore vetro si riferisce allo spessore materiale senza la camera d'aria.

The glass thickness refers to the material thickness without air chamber.



SCHEMA INSTALLAZIONE SERRATURE
LOCKS INSTALLATION DIAGRAM



**OSS: PER LAVORAZIONI E MONTAGGIO
DELLE SERRATURE FARE RIFERIMENTO
AI MANUALI DEI COSTRUTTORI**

**OSS: FOR TOOLINGS AND MOUNTING OF LOCKS
REFER TO THE MANUALS
OF THE BUILDERS**

Attrezzatura: PANTOGRAFO, TRAPANO
Tooling: PANTOGRAPH, DRILL