



Sistema per serramenti  
a battente a taglio  
termico

**PLANET *72 UP***  
**MATIC *72 UP***

[alsistem.com](http://alsistem.com)

## Sistemi a design minimale



**3C**  
SYSTEM REVOLUTION  
**UP**  
SYSTEM REVOLUTION

Sistema per serramenti a taglio termico con tripla guarnizione dal design minimale, con nodo laterale di 75mm

*System for thermal break windows with triple gasket with minimal design, with 75mm lateral section*



**ECO-SLIM**  
**72 - 62 - 50**  
**72 - 62 UP**

Sistema per serramenti a taglio termico dal design minimale, con nodo laterale di 75mm

*System for thermal break windows with a minimal design, with 75mm lateral section*



**panoramico**

Sistema scorrevole dalla mostra architettonica ridotta al minimo e in cui l'alluminio lascia spazio ad ampie specchiature

*Minimal design sliding system where aluminium lets glass take the leading role*

## Sistemi non isolati

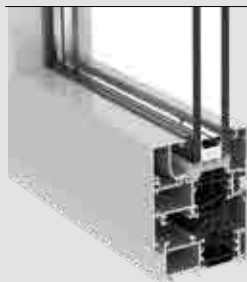


**PLANET 45**

Sistema per serramenti non isolati ad elevata ermeticità

*Weatherproof European chamber non-insulated window and door systems*

## Sistemi a battente



**PLANET**  
**72 - 62 - 50 PLUS**  
**72 - 62 UP**

Sistema a taglio termico per serramenti con eccellenti valori termici, acustici e fisico meccanici

*Planet top-range thermal break system with excellent thermal- and acoustic-proofness and physical-mechanical properties*



**MATIC**  
**72 - 62 - 50 PLUS**  
**72 - 62 UP**

Sistemi a taglio termico per serramenti con ferramenta perimetrale ed elevate prestazioni termiche ed acustiche

*Thermal break systems with perimeter hardware for high-performance thermal and acoustic-proof windows and doors*

## Sistemi scorrevoli e alzanti



**SLIDE 60**

Sistema scorrevole non isolato, essenziale e funzionale, con zanzariera integrata nel sistema

*Non-insulated system, essential and functional. With built-in screen*



**SLIDE 65**

Sistema scorrevole a taglio termico essenziale e funzionale con zanzariera prevista e integrata al sistema

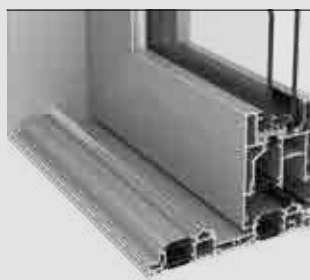
*Thermal break system, essential and functional, with built-in screen*



**SLIDE 80/106 PLUS**

Sistema scorrevole-alzante a taglio termico rivoluzionario grazie agli eccellenti risultati termici ed acustici

*Revolutionary thermal break system providing excellent thermal and acoustic performance*



**TOP SLIDE 160 PLUS**  
**160 UP**

Sistema a taglio termico per serramenti alzanti con portate fino a 400kg, ed eccellenti prestazioni acustiche, termiche e ambientali

*Thermal break system for lift-and-slide windows of up to 400kg providing excellent acoustic, thermal and environmental performance*



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## Traccia per capitolato

Infissi in alluminio realizzati con la serie taglio termico Planet 72 UP con sistema di tenuta a giunto aperto con guarnizione centrale di forma tubolare e materiale coestruso, espanso/compatto. I profilati sono estrusi in lega di alluminio EN AW-6060 (UNI EN 573-3), stato di fornitura T5 e T6 conformi alla norma UNI EN 515 con tolleranze dimensionali e spessori conformi alla norma UNI EN 12020-2. Lega secondo la ricetta ALSistem. L'isolamento termico sarà costituito da barrette esclusivamente tubolari a tripla camera da 38 mm in poliammide a bassa densità ed agli eventuali inserti isolanti in PUR, l'assemblaggio delle barrette avverrà a mezzo di rullatura meccanica computerizzata, e le caratteristiche meccaniche delle barrette dovranno rimanere inalterate sino ad una temperatura massima di trattamento di 245°C.

Il processo di produzione è controllato secondo le norme UAETC, i valori di scorrimento dovranno essere superiori ai 24 daN/mm. Il telaio fisso avrà profondità 72mm mentre le parti apribili avranno una profondità di 80mm. Il sistema di tenuta sarà a giunto aperto con guarnizione centrale, in EPDM, avente un'aletta di tenuta che sormonta di 4,5mm il piano inclinato della parte apribile, la guarnizione centrale dovrà essere raccordata nei giunti con gli opportuni angoli vulcanizzati. I profili avranno linee dritte o arrotondate internamente ed esternamente con la possibilità di accogliere soluzioni di fermavetri con taglio a 45° oppure 90°; nel caso di taglio a 90° con fermavetri arrotondati si potranno utilizzare gli appositi angoli di raccordo in alluminio pressofuso. La sigillatura dei vetri dovrà avvenire secondo le indicazioni riportate nel catalogo e solo ed esclusivamente con guarnizioni fermavetro originali. Appositi fori di drenaggio dovranno essere previsti sul telaio fisso e su quello mobile al fine di permettere il corretto drenaggio del serramento. La scelta dei profili sarà in funzione delle caratteristiche geometriche e dimensionali dell'infisso, della portata degli accessori e dei carichi di esercizio. Gli accessori utilizzati nella fabbricazione delle diverse tipologie dovranno essere solo ed esclusivamente quelli originali studiati appositamente per il sistema, riportati a catalogo e distribuiti dai licenziatari ALSistem, l'utilizzo di prodotti diversi da quelli indicati oppure il montaggio parziale o scorretto degli stessi comporterà la nullità dei certificati di prova e garanzia. La fabbricazione e la posa dovranno avvenire secondo i criteri di lavoro indicati da ALSistem. L'assemblaggio dei profili avverrà con squadrette in alluminio pressofuso multifunzione, i tagli dovranno essere protetti a mezzo sigillanti neutri.

La protezione e finitura dei profilati avverrà a mezzo dei normali trattamenti di superficie, ossidazione anodica conforme al marchio di qualità "Qualanod" oppure a mezzo di verniciatura con polveri poliesteri termoindurenti e polimerizzate in forno a temperature comprese tra 185°C e 195°C, in conformità del marchio di qualità "Qualicoat". La posa dovrà avvenire secondo i criteri disciplinati nel protocollo Thermoposa.

## Materiali

L'esecuzione dei serramenti è in lega d'alluminio EN AW 6060 sotto forma di profilati estrusi come indicato dalla disposizione normativa EN 755.3. Lo stato di fornitura è in classe T5 e T6 secondo norma UNI EN 515. Le tolleranze dimensionali sono conformi alla UNI EN 12020-2. Lega secondo la ricetta ALSistem.

## Caratteristiche tecniche e dimensionali

Aspetto visivo esterno: complanare

Aspetto visivo interno: complanare o sormonto di 8mm

Profilati: estrusi in lega leggera EN AW-6060 (UNI EN 573-3) anodizzabili e verniciabili. Lega secondo la ricetta ALSistem.

Sistema di tenuta: giunto aperto con precamera o doppia battuta, con guarnizioni in EPDM

Sistema di isolamento termico: realizzato con distanziali in poliammide a bassa densità da 38mm a triplo tubolare ed eventuali inserti isolanti in PUR

Sistema di accessori: originali ALSistem

Distanza telaio anta: 11,5mm

Sovrapposizione battuta anta su telaio: 6mm

Altezza battuta vetro: 22mm

Fuga tra i profili: 5mm

Profondità telaio: 72mm/77mm

Profondità anta: 80mm

Tubolarità profili finestra: 15mm

Tubolarità profili porta: 36,4mm

Fissaggio vetri: con fermavetri lisci tubolari o raggiati, smussati o modanati

Spazio vetro o pannello nei telai fissi: da 27mm a 65mm

Spazio vetro o pannello nelle ante: da 27mm a 73mm

## Protezione superficiale

La protezione dei profilati potrà essere effettuata mediante ossidazione anodica con classe di spessore >15 micron, come da norma UNI 10681<sup>(1)</sup>, oppure mediante verniciatura a polveri poliesteri termoindurenti e polimerizzate in forno nel rispetto delle procedure di qualità "Qualicoat" e delle disposizioni EN 12206-1.

## Resistenza della finitura

La finitura superficiale non deve subire corrosioni o alterazioni di aspetto per un periodo di tempo adeguato alla vita del manufatto. Le caratteristiche sufficienti per assicurarne il comportamento in funzione del tipo di ambiente sono specificate dalle norme UNI 10681 per l'ossidazione e UNI EN 12206-1 per la verniciatura, ricordando che i principali fattori che influiscono sulla resistenza all'ambiente sono la vicinanza al mare, l'inquinamento atmosferico, la manutenzione e la pulizia anche dalla pioggia.

Suggeriamo sempre di sigillare e proteggere i tagli e di incollarli con colle bicomponente.

## Sicurezza

Al fine di non causare danni fisici o lesioni agli utenti, i serramenti devono essere concepiti secondo le prescrizioni della normativa in materia di sicurezza D.Lgs. 81/2008 e UNI 7697 ed utilizzare secondo quanto indicato nostro "Manuale uso e manutenzione" dei serramenti e schermi oscuranti.

## Caratteristiche della vetratura

La scelta della vetratura deve essere effettuata secondo criteri prestazionali per rispondere ai requisiti di risparmio energetico, isolamento acustico, controllo della radiazione solare, sicurezza. Riferimento norme: UNI EN ISO 10140-2, UNI EN 12488, UNI EN 572-1, UNI EN 12758, UNI EN 12150-1, UNI 11463 DM 2 Aprile 1998, Legge 90/2013 e DMSE 26/06/2015 (requisiti minimi).

## Guarnizioni

Le guarnizioni dovranno essere esclusivamente quelle originali studiate per il sistema, a garanzia delle prestazioni dello stesso e rispondenti alle norme di riferimento UNI 3952, UNI EN 12365-1/4.

## Sigillanti

I sigillanti devono corrispondere a quanto prescritto dalle norme di riferimento UNI EN ISO 11600. Tali materiali non devono corrodere le parti in alluminio e sue leghe con cui vengono a contatto, pertanto dovranno essere neutri.

## Accessori

Gli accessori dovranno essere quelli originali prodotti per la serie e rispondenti ai criteri indicati nelle norme UNI EN 13126-1/19 e alle disposizioni normative in materia di sicurezza DL 81/2008.

## Prestazioni

La serie Planet 72 UP risponde ai requisiti della norma UNI EN 12207, UNI EN 12208, UNI EN 12210, disponibili i rapporti di prova ITT.

## Resistenza meccanica

Il sistema e gli accessori saranno resistenti alle sollecitazioni d'uso secondo i limiti stabiliti dalle norme UNI EN 12365-1 e UNI EN 13126-1/19.

<sup>(1)</sup> nel rispetto delle procedure QUALANOD

## Isolamento acustico

La scelta della classe di isolamento acustico di un serramento va correlata alla destinazione d'uso del locale nel quale l'infisso dovrà essere inserito ed al livello del rumore esterno; il comportamento del serramento in opera è influenzato da fattori che non è possibile definire a priori (h dal suolo, orientamento delle sorgenti sonore, ecc...). Il potere fonoisolante potrà essere quindi stimato con buona approssimazione, in base alla permeabilità all'aria del serramento con un minimo di valore di permeabilità pari a 2, ed al potere fonoisolante del vetro. Secondo la metodologia descritta nella norma di riferimento UNI EN ISO 10140-2.

## Isolamento termico

La scelta delle prestazioni di isolamento termico deve essere operata in base alle esigenze di risparmio energetico secondo la Legge 10/91, il DL 192/05 e aggiornamento DL 311/06 ed alle esigenze di benessere ambientale o riferimento alla norma UNI EN ISO 10077-1. Si può calcolare la trasmittanza termica del serramento a partire dai valori di trasmittanza dei profili e delle superfici secondo norma UNI EN ISO 10077-1:07 con la formula:

$$U_w = (A_g \cdot U_g + A_f \cdot U_f + I_g \cdot \psi) \div (A_g + A_f)$$

## Certificazioni

Sarà possibile richiedere al costruttore dei serramenti o, in mancanza, al produttore dei profilati, fotocopia dei rapporti di prova relative a determinate prestazioni.

## Marcatura CE UNI EN 14351-1

La marcatura CE è OBBLIGATORIA e costituisce il sistema al quale tutti i Costruttori di serramenti devono uniformarsi per poter vendere i propri prodotti nell'Unione Europea. Spetta al Costruttore, o al suo rappresentante, con sede nella EEA [Area Economica Europea] la responsabilità di apporre la marcatura CE sul prodotto, su un'etichetta applicata al prodotto, sul suo imballaggio o sui documenti commerciali di accompagnamento. La norma UNI EN 14351-1 si applica alle finestre, porte finestre, alle porte pedonali esterne, alle porte esterne sulle vie di fuga, alle finestre da tetto/lucernari (incluse quelle resistenti al fuoco proveniente dall'esterno), alle finestre a nastro, alle finestre accoppiate e alle finestre doppie. Tali serramenti possono essere a una o più ante, con ante mobili e parti fisse, con apertura verso l'interno o verso l'esterno, a movimentazione manuale oppure automatizzata, interamente oppure parzialmente vetrati, con o senza telaio di contenimento della vetratura, con o senza dispositivi di schermatura incorporati.

La norma UNI EN 14351-1 non è applicabile a:

- finestre, portefinestre e porte pedonali con caratteristiche di resistenza al fuoco e tenuta al fumo
- alle porte interne (EN 14351-2)
- alle chiusure oscuranti esterne (UNI EN 13659)
- alle porte girevoli
- alle finestre poste sulle vie di fuga

La norma contempla determinati requisiti volontari e/o obbligatori:

- Tenuta all'acqua
- Rilascio di sostanze pericolose
- Resistenza all'urto
- Resistenza al vento
- Capacità portante dei dispositivi di sicurezza
- Isolamento acustico
- Isolamento termico
- Proprietà radianti delle vetrazioni (trasmissione Luminosa)
- Permeabilità all'aria

## Piano di Controllo di Produzione (FPC)

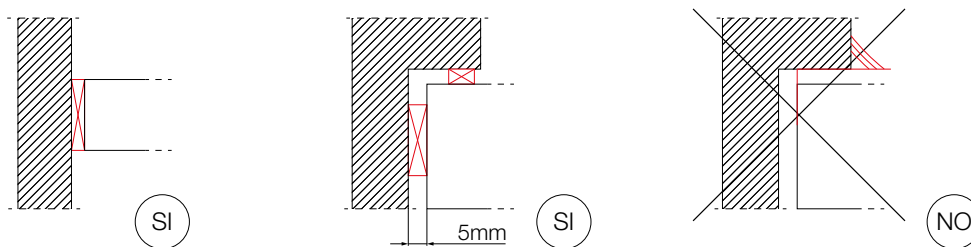
Il controllo di produzione in fabbrica è un sistema esercitato dal costruttore sotto propria responsabilità, al fine di assicurare che le caratteristiche costruttive del prodotto siano mantenute nel tempo entro certi limiti. Il costruttore dovrà stabilire delle procedure documentate, che indichino le modalità che, il personale addetto ai vari controlli, dovrà effettuare per monitorare con frequenza ed esattezza il processo assegnatogli. Il costruttore è tenuto a garantire la rintracciabilità del prodotto attraverso l'uso di codici o altro. Mediante uno schema, il produttore è inoltre tenuto a comunicare al committente indicazioni circa l'utilizzo, la movimentazione, l'installazione, la manutenzione e pulizia del prodotto.

## Test di Laboratorio (ITT)

Le caratteristiche del serramento sono valutate sul prodotto finito completo di ferramenta, vetrocamera, pannelli e di tutti gli accessori e trattamenti che lo rendono pronto all'uso. Il costruttore che lo richieda può ottenere i risultati delle prove (ITT) sui serramenti direttamente da ALSistem oppure dal licenziatario di zona, il quale cede il diritto d'uso dei risultati degli attestati dei propri ITT ricevuti dal Laboratorio, tramite un contratto fra le parti a "Cascading" (Cascata). Il costruttore ha la responsabilità della conformità del prodotto alle norme europee indicate sul progetto di norma e recepite dalle norme nazionali (norme UNI).

## Posa in opera

È molto importante, per ottenere un buon funzionamento del serramento, curare scrupolosamente la verticalità e il livellamento dell'infisso, dopodiché eseguire la sigillatura usando nastri autoespandenti Thermoposa seguendo i consigli dell'esempio sotto riportato, controllare inoltre che le aperture siano caricate sufficientemente (spessorando il vetro di 1-2mm fuori quadro), affinché, con l'assestamento dei materiali, non si verifichino delle intolleranze di funzionamento nel tempo.



Inoltre, fondamentale è posare il serramento in modo corretto; per questo ALSistem consiglia di utilizzare il sistema **Thermoposa** con il quale si garantisce un sistema di posa del serramento ad alta efficienza termo-acustica. Grazie a questo sistema garantiamo l'adeguato isolamento del foro finestra ed un efficiente messa in opera del serramento nelle nuove costruzioni e nelle ristrutturazioni. Sono pertanto consigliati 3 principali interventi: corretta posa in opera del serramento, coibentazione del cassonetto, quando presente, taglio del marmo, se passante. Per maggiori indicazioni invitiamo a collegarsi a [Thermoposa.com](http://Thermoposa.com) e scaricare i manuali di posa, sia per i nuovi edifici che per le ristrutturazioni.

## Manutenzione delle superfici in alluminio

A seguito dei forti tassi di inquinamento oramai raggiunti in tutti i paesi, specialmente nei grossi centri urbani e nelle zone costiere battute dal vento marino, è molto importante che le superfici in alluminio, a contatto con l'atmosfera, siano periodicamente pulite. Il nostro intento è quello di sensibilizzare il costruttore dei serramenti affinché possa di riflesso consigliare IL CLIENTE nel migliore dei modi.

È buona norma tenere in considerazione 3 punti fondamentali:

1. quante volte deve essere eseguita l'operazione di pulizia nell'arco dell'anno
2. il periodo
3. il prodotto da usare

Ecco le risposte: il numero di interventi viene stabilito sulla base dello stato di inquinamento della zona in cui è ubicato il caseggiato, varia da 1 a 3 volte l'anno.

Il periodo può essere:

- a fine inverno
- a metà estate
- a metà autunno da scegliere a seconda del numero di interventi.

Il prodotto per la pulizia è importante che sia neutro, un prodotto sbagliato potrebbe rovinare i materiali di diversa natura di cui è composto un serramento, (guarnizioni, sigillanti, marmi, etc...) e causare danni che potrebbero compromettere la funzionalità e la durata nel tempo dello stesso. Le caratteristiche di tali prodotti assieme alla frequenza di pulizia da adottare sono definite nei progetti di norma UNIMET12.04.270 ed E12.04.277.0. In mancanza di un prodotto neutro è preferibile utilizzare acqua tiepida con un panno non abrasivo.

Per una corretta installazione, manutenzione e pulizia dei serramenti, vi invitiamo inoltre a consultare le prescrizioni riportate sulle seguenti note tecniche UNICMI, UX 42 guida alla posa in opera delle finestre ed UX 10 pulizia delle superfici di serramenti e facciate continue e anche al Manuale d'uso e manutenzione Finestre e Schermi oscuranti.

## Fasi di verniciatura

1. Il ciclo di verniciatura offre la possibilità di ottenere sugli infissi un eccellente rivestimento protettivo superficiale ed una maggiore vivacità del colore;

2. lo strato deve avere uno spessore min. di 60 micron sulle parti a vista;

3. il materiale sarà sottoposto al seguente processo:

- sgrassatura senza attacco
- lavaggio
- decapaggio alcalino con attacco
- lavaggio
- disossidazione
- lavaggio
- cromatura
- lavaggio in acqua demineralizzata
- asciugatura a 75°C
- verniciatura in polveri termoindurenti
- polimerizzazione in forno

Tutte le lavorazioni eseguite su alluminio devono essere conformi a quanto previsto dal marchio di qualità "Qualicoat".

## Fasi di anodizzazione

1. Lo strato ossido può variare secondo la zona di ubicazione del serramento da 15 a 20 micron (UNI 10681);

2. può essere normale o elettrocolore;

3. il materiale sarà sottoposto al seguente processo:

- sgrassatura senza attacco
- lavaggio
- decapaggio alcalino con attacco (tranne le finiture lucide)
- lavaggio
- disossidazione
- lavaggio
- ossidazione in bagno acido solforico a 18/20°C, densità della corrosione 1,5[A]dmq
- colorazioni inorganiche od organiche od elettrocolore (tranne argento)
- lavaggio doppio
- asciugatura
- fase di fissaggio a caldo in ebollizione a Sali di nichel, fissaggio 2,5/3 minuti per ogni micron di spessore

## Osservazione

Nella fase preventiva il progettista o il serramentista dovrà determinare il tipo di serramento da impiegare sulla base degli elementi forniti dal committente. Nella scelta o controllo si dovrà considerare, sulla base della pressione del vento, il momento d'inerzia necessario e scegliere il profilato occorrente nella gamma Planet. Ovviamente dovranno essere utilizzati adeguati accessori, tra quelli originali ALSistem, predisposti per le serie Planet.



## Dimensione e pesi profilati


Le dimensioni e i pesi indicati sui disegni dei profilati a catalogo sono quelli teorici e possono variare in funzione delle tolleranze dimensionali di estrusione (norma UNI EN 12020-2) e dal tipo di finitura. Anche la verniciatura, contribuisce ad aumentare gli spessori riducendo pertanto le sedi di inserimento delle guarnizioni e degli accessori. Questa variabilità potrebbe condizionare le dimensioni del taglio e di conseguenza quelle del serramento finito. Le differenze di taglio potranno aumentare in modo proporzionale anche in base al numero di ante per serramento. **Si consiglia, nei primi lavori o in quelli con quantità importanti, di realizzare un campione reale per verificarne il corretto funzionamento.**

## Dimensioni taglio

Le dimensioni teoriche di taglio indicate nel presente catalogo si dovranno modificare in funzione della tipologia e sulla base della precisione della macchina di taglio che si sta utilizzando, **ad es. per porte a 2 ante ap.est. con maniglione antipanico, la fuga dovrà essere 8mm anziché 5mm; le finestre a 3 e 4 ante e le finestre di misure ridotte dovranno avere le ante più strette del teorico, di almeno 0,5mm ogni traverso, per evitare interferenze sulla rotazione, etc., ...**

## Consigli per un corretto assemblaggio

Per ottenere i migliori risultati utilizzando i profili ALSistem si consiglia di osservare attentamente tutte le voci di seguito riportate, atte a rinforzare tutti i punti deboli di una finestra comune, ottimizzando così le prestazioni offerte dal serramento.

Procedura corretta	Obiettivo
sigillare i profili tra loro nel giunto a 45° <sup>(1)</sup>	evita infiltrazioni d'acqua evita la corrosione
sigillare i profili sul montante dopo che gli stessi vengono intestati	evita infiltrazioni d'acqua evita la corrosione
utilizzare la guarnizione giunto aperto sulla soglia anche nella soluzione doppia battuta	facilita l'evacuazione dell'acqua
utilizzare l'angolo vulcanizzato della guarnizione di battuta centrale	aumenta la permeabilità all'aria aumenta la tenuta all'acqua
usare curve limite di utilizzo per la scelta del profilo	evita scelte inadeguate del profilo
sigillare il serramento sul perimetro tra profilo e controtelaio con nastri autoespandenti seguendo le indicazioni contenute nel programma Thermoposa® 	evita infiltrazioni d'acqua e garantisce il giunto primario e secondario per 10 anni
utilizzare sempre il tassello di registro e le turboviti per il fissaggio	facilita la posa in opera, inquadra meglio il telaio, isola i materiali e limita la trasmissione delle vibrazioni, garantisce solidità e sicurezza nel tempo
proteggere tutte le lavorazioni effettuate sui profilati	evita la corrosione facendo aumentare la durata dell'infisso nel tempo
per infissi con aperture antipanico usare profili maggiorati	facilita l'applicazione degli accessori
utilizzare controsagome durante il taglio a 45°	garantisce un taglio corretto al fine di ottenere una giunzione d'angolo perfetta
utilizzare squadrette multifunzione	garantisce giunzioni di alta qualità e robuste nel tempo

<sup>(1)</sup> Lavorazione 36 a catalogo

## Certificazioni accessori



I prodotti in alluminio verniciato sono certificati secondo le specifiche tecniche del: **QUALICOAT**



I prodotti in alluminio anodizzato sono certificati secondo le specifiche tecniche del: **EURAS EWAA QUALANOD**



Gli accessori per le gamme ALsistem sono prodotti da aziende certificate ISO9001 e ISO14001

## Importante







Tutti i dati esposti in questo catalogo sono puramente indicativi e non impegnano in nessun modo la società la quale si riserva la possibilità di portare migliorie ai suoi prodotti in qualunque momento lo ritenga necessario. La società si riserva il diritto di proprietà del presente catalogo con la proibizione di riprodurlo o trasferirlo a terzi senza l'autorizzazione scritta.

## TIPOLOGIE SERRAMENTI

	Finestra 2 ante ribalta	Porta finestra 2 ante ribalta	Bilico orizzontale e verticale	Scorrevole parallelo	Finestra 4 ante	Finestra 1 ante sporgere	Porta 2 ante soglia ribassata apertura esterna	Porta 2 ante soglia ribassata apertura interna	Porta 2 ante soglia ribassata apertura esterna con maniglione antipanico
<b>PROVE</b>									
Misure del serramento	H = 1.480mm L = 1.230mm	H = 2.400mm L = 1.500mm	H = 2.000mm L = 2.000mm	H = 2.400mm L = 1.500mm	H = 1.650mm L = 3.000mm	H = 1.650mm L = 1.500mm	H = 2.400mm L = 1.500mm	H = 2.400mm L = 1.500mm	H = 2.400mm L = 1.500mm
Numero certificato	1994-CPR-RP1751	1994-CPR-RP1381	1994-CPD-RP0167	1994-CPD-RP0166	0970-CPD-RP0735	0970-CPD-RP0760	0970-CPD-RP0844	0970-CPD-RP0845	0970-CPD-RP0846
Valore prova permeabilità all'aria	classe 4	classe 4	classe 4	classe 4	classe 4	classe 4	classe 4	classe 4	classe 4
Valore prova tenuta all'acqua	classe E1050	classe E1200	classe E900	classe E1500	classe E750	classe E1200	classe 1A	classe 1A	classe 1A
Valore prova resistenza al vento	classe C5	classe C4	classe C4	classe B4	classe C4	classe C5	classe C4	classe C4	classe C4

## Certificazioni serie PLANET 72 UP

Il sistema Planet 72 UP è stato sottoposto alle prove indicate in tabella per le diverse tipologie di serramenti.

	TIPOLOGIA SERRAMENTO	MISURE SERRAMENTO	CERTIFICATO N°	RISULTATO OTTENUTO
 <b>PERMEABILITA' DELL'ARIA</b>	Finestra 2 ante ribalta	H = 1.480mm L = 1.230mm	1994-CPR-RP1751	<b>Classe 4</b>
 <b>TENUTA ALL'ACQUA</b>	Finestra 2 ante ribalta	H = 1.480mm L = 1.230mm	1994-CPR-RP1751	<b>Classe E1500</b>
 <b>RESISTENZA AL VENTO</b>	Finestra 2 ante ribalta	H = 1.480mm L = 1.230mm	1994-CPR-RP1751	<b>Classe C5</b>
 <b>ISOLAMENTO ACUSTICO</b>	Finestra 1 anta ribalta	H = 1.480mm L = 1.230mm	0059/DC/ACU/18	<b>49 dB</b> vetrocamera 88.2/24/55.1
	Finestra 2 ante ribalta	H = 1.480mm L = 1.230mm	0045/DC/ACU/18	<b>45 dB</b> vetrocamera 66.2/12/44.2
 <b>RESISTENZA ALL'EFFRAZIONE</b>	Finestra 1 anta ribalta	H = 1.440mm L = 1.340mm	0015/DC/AEF/17	<b>Classe 2</b>
 <b>ISOLAMENTO TERMICO</b>	Finestra con vetrocamera Ug 1,0W/m <sup>2</sup> K e psi 0,035	Dimensioni normalizzate secondo UNI EN 14351-1 (1,23m [± 25%] x 1,48m [- 25%])	1994-CPR-RP2396	<b>1.15 W/m<sup>2</sup>K</b> (1 Anta) <b>1.30 W/m<sup>2</sup>K</b> (2 Ante)

## Certificazioni volontarie serie PLANET 72 UP

Garantire il massimo della sicurezza e della performance dei nostri prodotti, è il primario obiettivo dei nostri tecnici.

Per questo testiamo e certifichiamo volontariamente i nostri serramenti anche per prestazioni come:

- FORZE DI MANOVRA;
- CARICO VERTICALE;
- TORSIONE STATICA;
- RESISTENZA ALL'URTO DA CORPO MOLLE E PESANTE.

Di seguito riportiamo i valori ottenuti in riferimento al Rapporto di Prova numero 1994-CPR-RP1921.



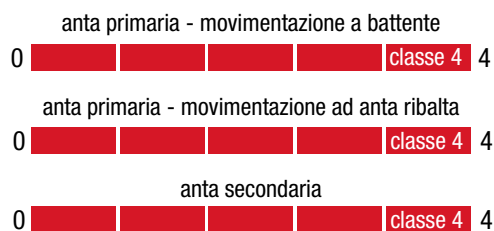
### FORZE DI MANOVRA



Norma di prova EN 12046-1:2003  
Norma di classificazione EN 13115:2001



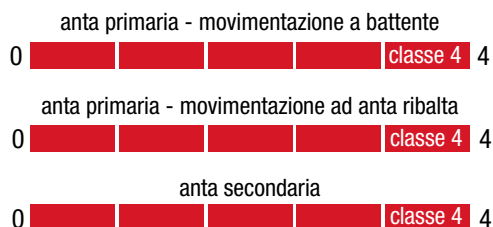
### CARICO VERTICALE



Norma di prova EN 14608:2004  
Norma di classificazione EN 13115:2001



### TORSIONE STATICA



Norma di prova EN 14609:2004  
Norma di classificazione EN 13115:2001



### RESISTENZA ALL'URTO DA CORPO MOLLE E PESANTE



Norma di prova EN 13049-1:2003  
Norma di classificazione EN 13049:2003

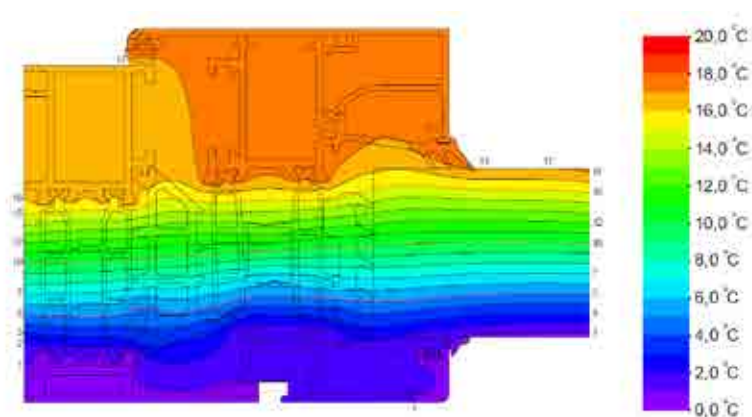
## Determinazione della trasmittanza termica dei nodi del sistema per serramenti Planet 72 UP

Per la determinazione della trasmittanza termica dei profilati, l'intera serie Planet 72 UP è stata certificata, dal laboratorio notificato IRCCOS, secondo la normativa di prodotto UNI EN ISO 10077-2:2017, seguendo il metodo di calcolo tramite "Flixo pro 8.1". Il codice di riferimento del documento rilasciato dal laboratorio corrisponde al n° 1994-CPR-RP2396.

### Metodologia di analisi utilizzata

Il calcolo della trasmittanza termica è stato eseguito in accordo con la norma UNI EN ISO 10077-2:2017. Per i calcoli è stato utilizzato il software "Flixo pro 8.1". Si riporta come esempio, una pagina del documento rappresentante il nodo laterale, centrale.

#### Andamento delle temperature e dei flussi di calore nel nodo laterale UP 71803 + UP 71877



Trasmittanza termica nodo laterale  $U_f = 1,3 \text{ W/m}^2\text{K}$

#### Andamento delle temperature e dei flussi di calore nel nodo centrale UP 71811 + UP 71813 + UP 71811



Trasmittanza termica nodo centrale  $U_f = 1,3 \text{ W/m}^2\text{K}$



## General Specifications

Aluminum frames made with the Planet 72 UP thermal break series with open joint sealing system with central tubular gasket and coextruded, expanded / compact material. The profiles are extruded in 6060 aluminum alloy (UNI EN 573.3), supplied condition T5 and T6 compliant with UNI EN 755.2 with dimensional tolerances and thicknesses compliant with UNI EN 12020-2: 2001. Alloy according to the ALSistem recipe. The high thermal insulation is what characterizes the UP series. In fact, it consists of exclusively 28 mm double-chamber tubular bars in low density polyamide and any PUR insulating inserts, the assembly of the bars will take place by means of computerized mechanical rolling, and the mechanical characteristics of the bars must remain unchanged, up to a maximum treatment temperature of 245 ° C. The production process is controlled according to UAETC standards, the sliding values must be greater than 24 daN / mm. The fixed frame will have a depth of 72mm while the opening parts will have a depth of 80mm. The sealing system will be open joint with central gasket, in EPDM, having a sealing fin that surmounts the inclined plane of the opening part by 4.5mm, the central gasket must be connected at the joints with the appropriate vulcanized corners. The profiles will have straight or rounded lines internally and externally with the possibility of accommodating glazing bead solutions with 45 ° or 90 ° cut; in the case of 90 ° cutting with rounded glazing beads, the appropriate die-cast aluminum connection angles can be used. The glass sealing must be carried out according to the instructions given in the catalog, only and exclusively with original glazing gaskets. Special drainage holes must be provided on the fixed and mobile frame in order to allow correct drainage of the window. The choice of profiles will depend on the geometric and dimensional characteristics of the frame, the capacity of the accessories and the operating loads. The accessories used in the manufacture of the different types must be exclusively the original ones designed specifically for the system, listed in the catalog and distributed by the ALSistem licensees, the use of products other than those indicated or the partial or incorrect assembly of the same will result in nullity test and warranty certificates. Manufacturing and installation must take place according to the work criteria indicated by ALSistem. The assembly of the profiles will take place with multifunctional die-cast aluminum brackets, the cuts must be protected with neutral sealants. The protection and finishing of the profiles will take place by means of normal surface treatments, anodic oxidation in compliance with the "Qualanod" quality mark or by means of painting with thermosetting polyester powders and polymerized in the oven at temperatures between 185 ° C and 195 ° C, in accordance with the "Qualicoat" quality mark. The installation must take place according to the criteria regulated in the Thermoposa protocol.

## Materials

The execution of the doors and windows is made of EN AW 6060 aluminum alloy in the form of extruded profiles as indicated by the EN 755.3 regulation. The state of supply is in class T5 and T6 according to the EN 755.2 standard. Dimensional tolerances comply with UNI EN 12020-2. Alloy according to the ALSistem recipe.

## Technical and dimensional characteristics

External visual aspect: coplanar

Internal visual aspect: coplanar or 8mm overlap

Profiles: extruded in light alloy EN AW-6060 (UNI EN 573-3) which can be anodized and painted. Alloy according to the ALSistem recipe.

Sealing system: open joint with pre-chamber or double rabbet, with EPDM gaskets

Thermal insulation system: made with 28mm low density polyamide double tubular spacers and any PUR insulating inserts

Accessory system: original ALSistem

Distance between frame and leaf: 11.5mm

Superimposition of leaf rebate on frame: 6mm

Height of glass rebate: 22mm

Space between the profiles: 5mm

Frame depth: 72mm/77mm

Leaf depth: 80mm

Tubularity of window profiles: 15mm

Tubularity of door profiles: 36.4mm

Glass fastening: with smooth tubular, rounded, beveled or molded glass beads

Space for glass or panel in fixed frames: from 27mm to 65mm

Space for glass or panel in leaves: from 27mm to 73mm

## Surface protection

The protection of the profiles can be carried out by anodic oxidation with a thickness class > 15 micron, as per the UNI 10681<sup>(1)</sup> standard, or by painting with thermosetting and polymerized polyester powders in the oven in compliance with the "Qualicoat" quality procedures and the provisions of EN 12206- 1.

## Resistance of the finish

The surface finish must not undergo corrosion or alteration of appearance for a period of time suitable for the life of the product. The characteristics sufficient to ensure its behavior according to the type of environment are specified by the UNI 10681 standards for oxidation and UNI EN 12206-1 for painting, remembering that the main factors that affect resistance to the environment are proximity to the sea, air pollution, maintenance and cleaning even from rain. ALSistem always suggest sealing and protecting the cuts and gluing them with two-component glue

## Safety

In order not to cause physical damage or injuries to users, the windows and doors must be designed according to the requirements of the safety legislation D.Lgs. 81/2008 and UNI 7697 and use as indicated in our "Use and maintenance manual" of the windows and blackout screens.

## Characteristics of the glazing

The choice of glazing must be made according to performance criteria to meet the requirements of energy saving, sound insulation, solar radiation control, safety. Reference standards: UNI EN ISO 10140-2, UNI EN 12488, UNI EN 572-1, UNI EN 12758, UNI EN 12150-1, UNI 11463 DM 2 April 1998, Law 90/2013 and DMSE 26/06/2015 (requirements minimum).

## Gaskets

The gaskets must be exclusively the original ones designed for the system, to guarantee its performance and comply with the reference standards UNI 3952, UNI EN 12365-1 / 4.

## Sealants

The sealants must comply with the requirements of the reference standards UNI EN ISO 11600. These materials must not corrode the aluminum parts and its alloys with which they come into contact, therefore they must be neutral.

## Accessories

The accessories must be the original ones produced for the series and complying with the criteria indicated in the UNI EN 13126-1 / 19 standards and with the legislative provisions on safety DL 81/2008.

## Performance

The Planet 72 UP series meets the requirements of the UNI EN 12207, UNI EN 12208, UNI EN 12210 standards, ITT test reports available.

## Mechanical resistance

The system and accessories will be resistant to stresses of use according to the limits established by the UNI EN 12365-1 and UNI EN 13126-1 / 19 standards.

<sup>(1)</sup> according to QUALANOD procedures

## Soundproofing

The choice of the soundproofing class of a window or door must be related to the intended use of the room in which the frame will be inserted and to the level of external noise; the behavior of the window or door in place is influenced by factors that cannot be defined a priori (h from the ground, orientation of the sound sources, etc...). The soundproofing power can therefore be estimated with a good approximation, based on the air permeability of the window with a minimum permeability value equal to 2, and the soundproofing power of the glass. According to the methodology described in the reference standard UNI EN ISO 10140-2.

## Thermal insulation

The choice of thermal insulation performance must be made on the basis of energy saving needs according to Law 10/91, DL 192/05 and updated DL 311/06 and the needs of environmental well-being or reference to UNI EN ISO 10077 1. The thermal transmittance of the window frame can be calculated starting from the transmittance values of the profiles and surfaces according to the UNI EN ISO 10077-1: 07 standard with the formula:

$$U_w = (A_g \cdot U_g + A_f \cdot U_f + I_g \cdot \psi) \div (A_g + A_f)$$

## Certifications

It will be possible to ask the window manufacturer or, failing that, the profile manufacturer, a photocopy of the test reports relating to certain performances.

## CE marking UNI EN 14351-1

The CE marking is MANDATORY and constitutes the system to which all window manufacturers must comply in order to sell their products in the European Union. The Manufacturer, or its representative, based in the EEA [European Economic Area] is responsible for affixing the CE marking on the product, on a label applied to the product, on its packaging or on the accompanying commercial documents. The UNI EN 14351-1 standard applies to windows, French windows, external pedestrian doors, external doors on escape routes, roof windows / skylights (including those resistant to fire from outside), ribbon windows, coupled windows and double windows. These doors and windows can have one or more doors, with movable doors and fixed parts, with inward or outward opening, with manual or automated movement, fully or partially glazed, with or without glass containment frame, with or without built-in shielding devices.

The UNI EN 14351-1 standard is not applicable to:

- windows, French doors and pedestrian doors with fire resistance and smoke resistance characteristics
- to internal doors (EN 14351-2)
- to external blackout closures (UNI EN 13659)
- at revolving doors
- at the windows placed on the escape routes

The standard includes certain voluntary and / or mandatory requirements:

- Water tightness
- Release of dangerous substances
- Impact resistance
- Wind resistance
- Load bearing capacity of safety devices
- Soundproofing
- Thermal insulation
- Radiant properties of the glazing (Light transmission)
- Air permeability

## Production Control Plan (FPC)

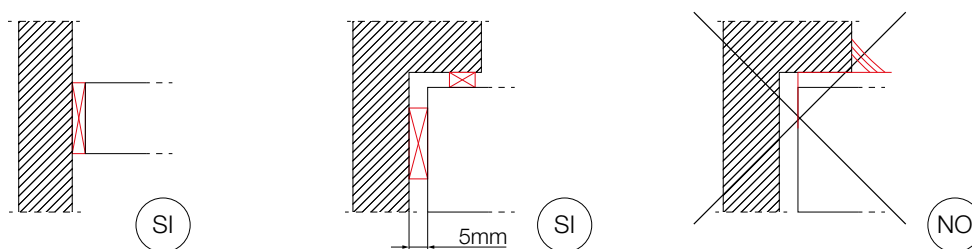
Factory production control is a system exercised by the manufacturer under his own responsibility, in order to ensure that the construction characteristics of the product are maintained over time within certain limits. The manufacturer must establish documented procedures, which indicate the methods that the personnel assigned to the various checks must carry out to monitor the process assigned to him frequently and accurately. The manufacturer is required to ensure the traceability of the product through the use of codes or other. By means of a diagram, the manufacturer is also required to communicate to the customer information on the use, handling, installation, maintenance and cleaning of the product.

## Laboratory Test (ITT)

The characteristics of the window frame are evaluated on the finished product complete with hardware, double glazing, panels and all accessories and treatments that make it ready for use. The constructor who requests it can obtain the results of the tests (ITT) on the doors and windows directly from the ALSistem or from the area licensee, who assigns the right to use the results of the certificates of its ITTs received by the Laboratory, through a contract between the go to "Cascading". The manufacturer is responsible for the conformity of the product to the European standards indicated on the draft standard and implemented by national standards (UNI standards).

## Installation

It is very important, in order to obtain a good functioning of the window, to scrupulously take care of the verticality and the leveling of the frame, then carry out the sealing using Thermoposa self-expanding tapes following the advice given in the example below, also check that the openings are sufficiently loaded (by shimming the glass 1-2mm outside the frame), so that, with the adjustment of the materials, there are no operational intolerances over time.



Furthermore, it is essential to install the window frame correctly; for this ALSistem recommends to use the **Thermoposa** system with which a high thermal-acoustic efficiency window installation system is guaranteed. Thanks to this system, we guarantee adequate insulation of the window hole and efficient installation of the window frame in new buildings and renovations. Therefore, 3 main interventions are recommended: correct installation of the window frame, insulation of the box, when present, cutting of the marble, if passing. For more information, please connect to [Thermoposa.com](http://Thermoposa.com) and download installation manuals, both for new buildings and for renovations.

## Maintenance of aluminum surfaces

Following the high rates of pollution now achieved in all countries, especially in large urban centers and coastal areas beaten by the sea wind, it is very important that aluminum surfaces, in contact with the atmosphere, are periodically cleaned. Our intent is to sensitize the window manufacturer so that he can consequently advise the CUSTOMER in the best possible way.

It is good practice to take into consideration 3 fundamental points:

1. how many times the cleaning operation must be performed during the year
2. the period
3. the product to use

Here are the answers: the number of interventions is established on the basis of the pollution status of the area in which the building is located, varies from 1 to 3 times a year.

The period can be:

- in late winter
- in mid-summer
- in mid-autumn to choose according to the number of interventions.

It is important that the cleaning product is neutral, a wrong product could damage the different materials of which a window is made (gaskets, sealants, marbles, etc. ...) and cause damage that could compromise functionality and duration in the time of the same. The characteristics of these products together with the cleaning frequency to be adopted are defined in the draft standards UNIMET12.04.270 and E12.04.277.0. In the absence of a neutral product, it is preferable to use warm water with a non-abrasive cloth.

For correct installation, maintenance and cleaning of windows and doors, we also invite you to consult the instructions given in the following UNICMI technical notes, UX 42 guide to installing windows and UX 10 cleaning the surfaces of windows and curtain walls and also the use and maintenance manual for windows and sunscreen systems.

## Stages of painting

1. The painting cycle offers the possibility of obtaining an excellent protective surface coating on the windows and a greater liveliness of the color;
2. the layer must have a thickness of min. 60 microns on the visible parts;
3. the material will undergo the following process:
  - degreasing without attack
  - washing
  - alkaline pickling with etching
  - washing
  - deoxidation
  - washing
  - chrome plating
  - washing in demineralized water
  - drying at 75 ° C
  - painting in thermosetting powders
  - polymerization in the oven

All the work carried out on aluminum must comply with the provisions of the “Qualicoat” quality mark.

## Stages of anodizing

1. The oxide layer can vary according to the location area of the window frame from 15 to 20 microns (UNI 10681);
2. it can be normal or electrocoloured;
3. the material will undergo the following process:
  - degreasing without attack
  - washing
  - alkaline pickling with etching (except glossy finishes)
  - washing
  - deoxidation
  - washing
  - oxidation in a sulfuric acid bath at 18/20 ° C, corrosion density 1.5 [A] dm<sup>2</sup>
  - inorganic or organic or electrocolour dyes (except silver)
  - double wash
  - drying
  - hot fixing phase in boiling nickel salts, fixing 2.5 / 3 minutes for each micron of thickness

## Observation

In the preventive phase, the designer or the window fabricator will have to determine the type of window to be used on the basis of the elements provided by the client. In the choice or control, the necessary moment of inertia must be considered based on the wind pressure and the necessary profile in the Planet range must be chosen. Obviously, suitable accessories must be used, including the original ALSistem ones, designed for the Planet series.

## Profile dimensions and weights


The dimensions and weights indicated on the drawings of the sections in the catalog are theoretical and may vary according to the dimensional tolerances of extrusion (UNI EN 12020-2 standard) and the type of finish. Even the painting helps to increase the thickness thus reducing the seats for inserting gaskets and accessories. This variability could affect the dimensions of the cut and consequently those of the finished frame. The cutting differences may increase proportionally also based on the number of doors per window. **It is advisable, in the first works or in those with large quantities, to make a real sample to verify its correct functioning.**

## Cut dimensions

The theoretical cutting dimensions indicated in this catalog must be modified according to the type and precision of the cutting machine being used, (e.g. for 2-leaf doors opening outwards with panic bar, the escape must be 8mm instead of 5mm; 3- and 4-sash windows and small windows must have narrower sashes than the theoretical one, at least 0.5mm each crosspiece, to avoid interference on rotation, etc ...).

## Tips for correct assembly

To obtain the best results using ALSistem profiles, it is advisable to carefully observe all the items listed below, designed to reinforce all the weak points of a common window, thus optimizing the performance offered by the window.

Correct procedure	Objective
seal the profiles together in the join at 45°	prevents water seepage, prevents corrosion
seal the profiles on the jamb after they are faced	prevents water seepage, prevents corrosion
use the open joint gasket on the sill also in the double rebate solution	facilitates water drainage
use the vulcanised corner of the central rebate gasket	increases air permeability increases watertightness
use limit curves to select the profile	avoids choosing the wrong profile
seal the window or door on the perimeter between profile and counter-frame with Thermoposa® self-expanding tapes 	prevents water seepage
always use the wall spacer and the screw for fixing	facilitates installation, ensures better frame positioning, insulates materials, minimises the transmission of vibrations and ensure safety in time
protect all the work carried out on the profiles	prevents corrosion increasing the life of the frame over time
for installations with emergency openings use oversized profiles	facilitates the application of accessories
use counterprofile during the 45° cut	guarantees a correct cut in order to obtain a perfect angle joint
use multi-purpose corner brackets	guarantees high-quality joints and solid in time



## Accessory certification



The painted aluminium products are certified according to the technical specifications of: **QUALICOAT**



The anodised aluminium products are certified according to the technical specifications of: **EURAS EWAA QUALANOD**



The accessories for the ALsistem ranges are produced by ISO9001 and ISO14001 certified companies

## Important

All the data shown in this catalog are purely indicative and do not bind the company in any way, which reserves the right to improve its products at any time it deems necessary. The company reserves the right of ownership of this catalog with the prohibition of reproducing it or transferring it to third parties without written authorization.

## PLANET 72 UP series certifications

The Planet 72 UP system was subjected to the following tests for each types of windows.

	WINDOW TYPE	WINDOW DIMENSION	CERTIFICATE N°	RESULT OBTAINED
 <b>AIR PERMEABILITY</b>	2 tilt and turn window	H = 1480mm L = 1230mm	1994-CPR-RP1751	<b>Class 4</b>
 <b>WATER TIGHTNESS</b>	2 tilt and turn window	H = 1480mm L = 1230mm	1994-CPR-RP1751	<b>Class E1500</b>
 <b>WIND RESISTANCE</b>	2 tilt and turn window	H = 1480mm L = 1230mm	1994-CPR-RP1751	<b>Class C5</b>
 <b>SOUNDPROOFING</b>	1 tilt and turn window	H = 1480mm L = 1230mm	0059/DC/ACU/18	<b>49 dB</b> double glazing 88.2/24/55.1
	2 tilt and turn window	H = 1480mm L = 1230mm	0045/DC/ACU/18	<b>45 dB</b> double glazing 66.2/12/44.2
 <b>BURGLARY RESISTANCE</b>	1 tilt and turn window	H = 1440mm L = 1340mm	0015/DC/AEF/17	<b>Class 2</b>
 <b>THERMAL INSULATION</b>	Windows with double glazing Ug 1,0W/m2K e psi 0,035	Normalized dimension according to UNI EN 14351-1 (1,23m [± 25%] x 1,48m [- 25%])	1994-CPR-RP2396	<b>1.15 W/m²K</b> (1 leaf) <b>1.30 W/m²K</b> (2 leaf)

## Voluntary certifications PLANET 72 UP series

Guaranteeing the maximum safety and performance of our products is the primary objective of our technicians.

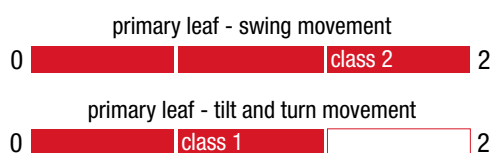
This is why we voluntarily test and certify our doors and windows also for performances such as:

- MANEUVER FORCES;
- VERTICAL LOAD;
- STATIC TORSION;
- IMPACT RESISTANCE FROM A SOFT AND HEAVY BODY.

Below we report the values obtained with reference to the Test Report number 1994-CPR-RP1921.



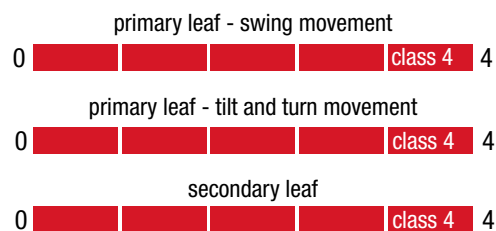
### MANEUVER FORCES



Standard test EN 12046-1:2003  
Standard classification EN 13115:2001



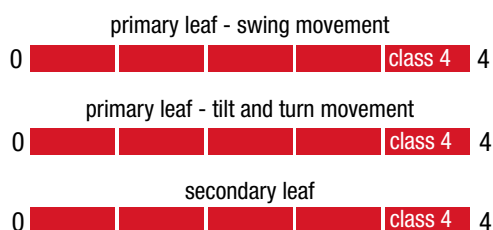
### VERTICAL LOAD



Standard test EN 14608:2004  
Standard classification EN 13115:2001



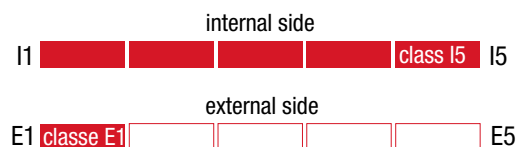
### STATIC TORSION



Standard test EN 14609:2004  
Standard classification EN 13115:2001



### IMPACT RESISTANCE FROM SOFT AND HEAVY BODY



Standard test EN 13049-1:2003  
Standard classification EN 13049:2003

## CONSTRUCTION TYPES

	2 leaf tilt & turn window	2 leaf tilt & turn door	Horizontal pivot window	Parallel slide window	4 leaf windows	1 leaf window	2 leaf door external opening with low threshold	2 leaf door inner opening with low threshold	2 leaf door inner opening with low threshold and antipanic handle
<b>TEST</b>									
Dimension	H = 1480mm L = 1230mm	H = 2400mm L = 1500mm	H = 2000mm L = 2000mm	H = 2400mm L = 1500mm	H = 1650mm L = 3000mm	H = 1650mm L = 1500mm	H = 2400mm L = 1500mm	H = 2400mm L = 1500mm	H = 2400mm L = 1500mm
Certificate	1994-CPR- RP1751	1994-CPR- RP1381	1994-CPD- RP0167	1994-CPD- RP0166	0970-CPD- RP0735	0970-CPD- RP0760	0970-CPD- RP0844	0970-CPD- RP0845	0970-CPD- RP0846
Air permeability	class 4	class 4	class 4	class 4	class 4	class 4	class 4	class 4	class 4
Watertightness	class E1050	class E1200	class E900	class E1500	class E750	class E1200	class 1A	class 1A	class 1A
Resistance to wind load	class C5	class C4	class C4	class B4	class C4	class C5	class C4	class C4	class C4

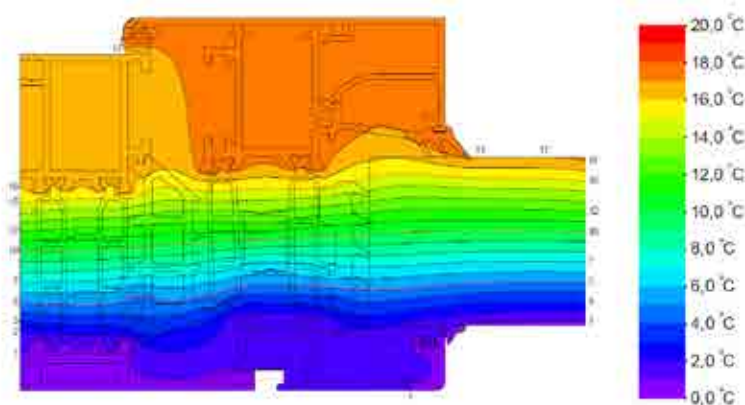
## Determination of thermal transmittance of the sections of the Planet 72 UP system for windows

For the determination of the thermal transmittance of the profiles, the entire series Planet 72 UP has been certified by the notified laboratory IRCCOS, according to the product standards UNI EN ISO 10077-2:2017, following the method of calculation by software "Flixo pro 8.1". The reference of the document issued by the laboratory correspond to n° 1994-CPR-RP2396.

### Methodology analysis used

The calculation of the thermal transmittance was performed according to the UNI EN ISO 10077-2:2017. For the calculations we used the software "Flixo pro 8.1". As an example, a page of the document representing the lateral, central section is shown.

#### Trend of temperatures and heat flows in the lateral section UP 71803 + UP 71877

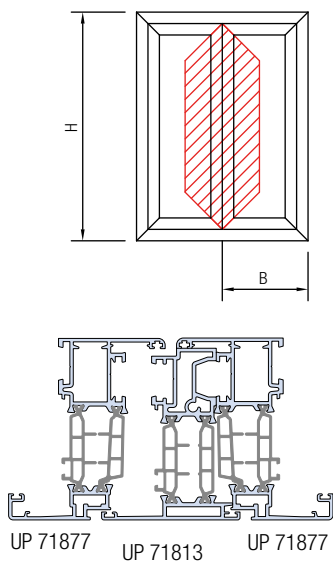


Thermal trasmittance in lateral section  $U_f = 1,3 \text{ W/m}^2\text{K}$

#### Trend of temperatures and heat flows in the central section UP 71811 + UP 71813 + UP 71811



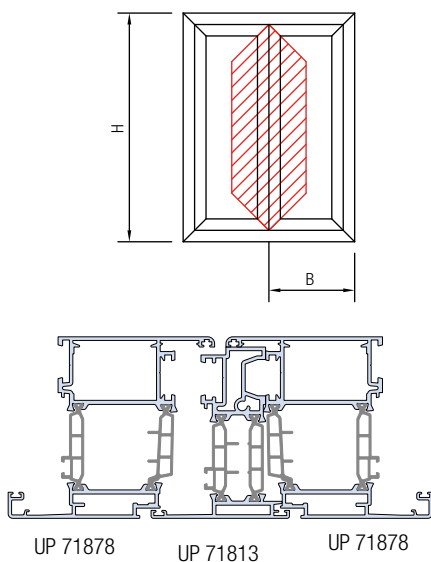
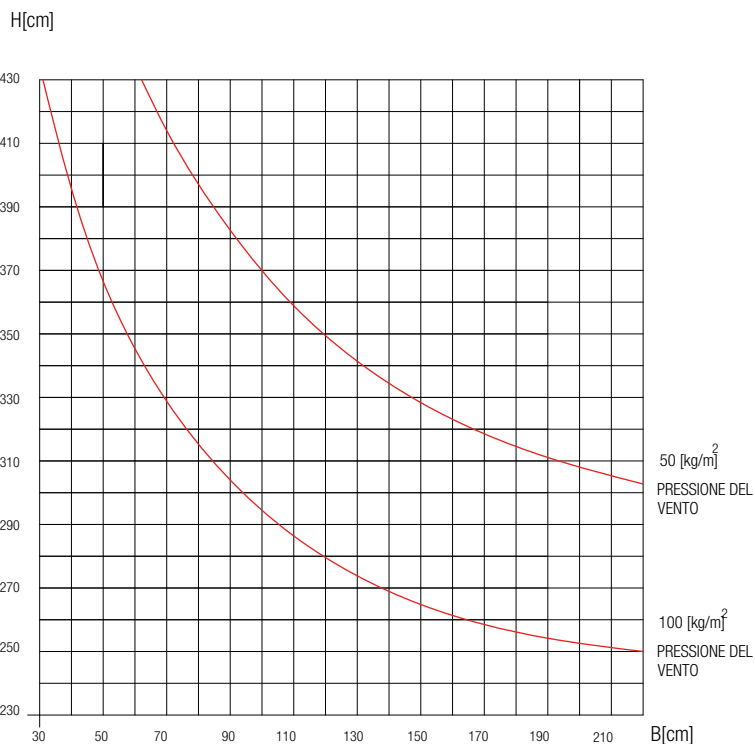
Thermal trasmittance in central section  $U_f = 1,3 \text{ W/m}^2\text{K}$



$J_t = 143,9 \text{ cm}^4$   
freccia max 1/300

VERIFICARE CHE LA FRECCIA DEL PROFILO SIA COMPATIBILE COL VETRO IMPIEGATO

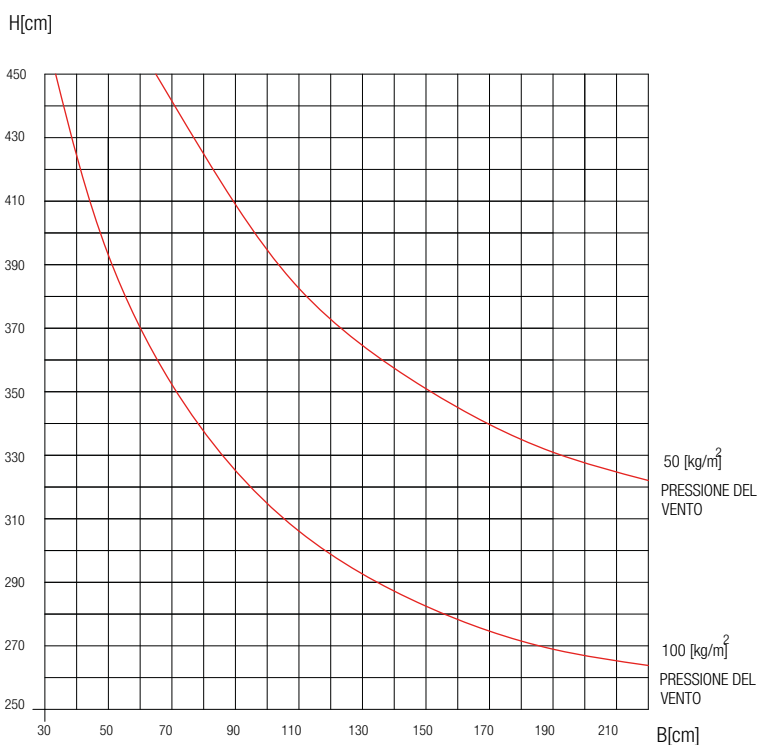
*Check that profile face is compatible with glazing used*



$J_t = 173,68 \text{ cm}^4$   
freccia max 1/300

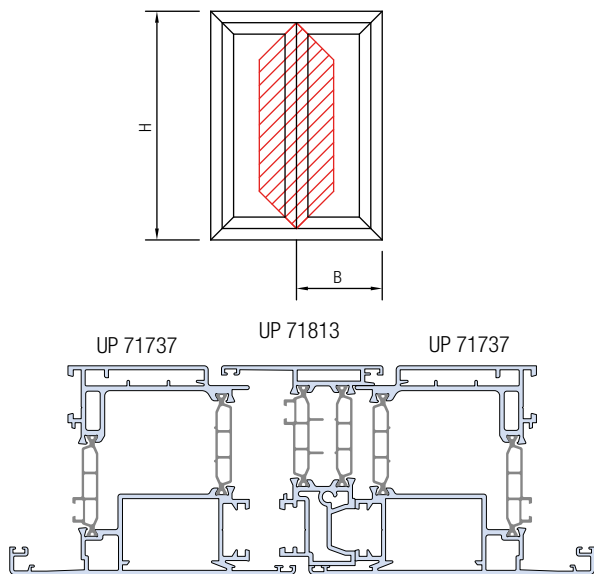
VERIFICARE CHE LA FRECCIA DEL PROFILO SIA COMPATIBILE COL VETRO IMPIEGATO

*Check that profile face is compatible with glazing used*



**I DIAGRAMMI DI PORTATA SONO CALCOLATI SU BASE TEORICA IN FUNZIONE DELLE CARATTERISTICHE INERZIALI DEI PROFILI**



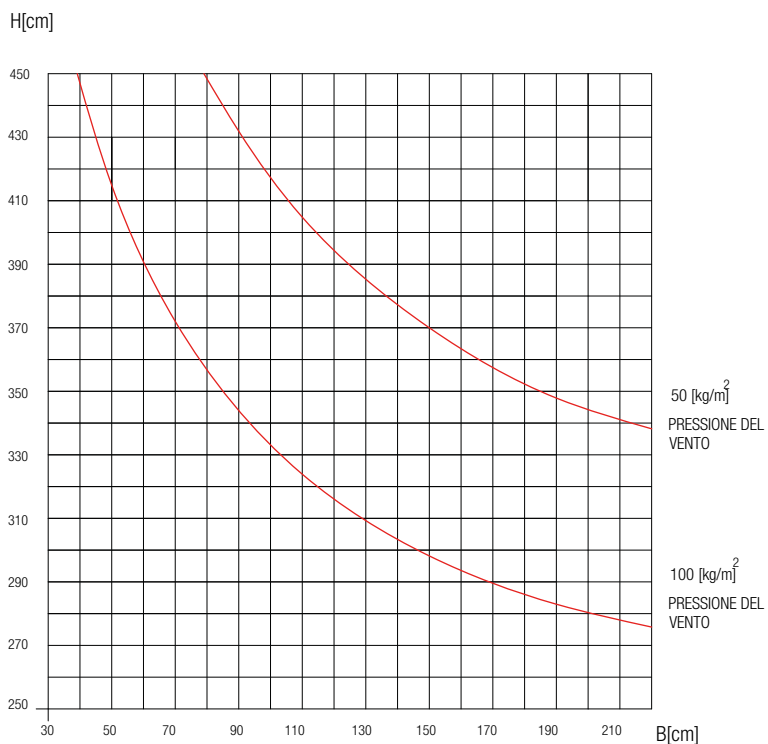


$J_t = 202,34 \text{ cm}^4$

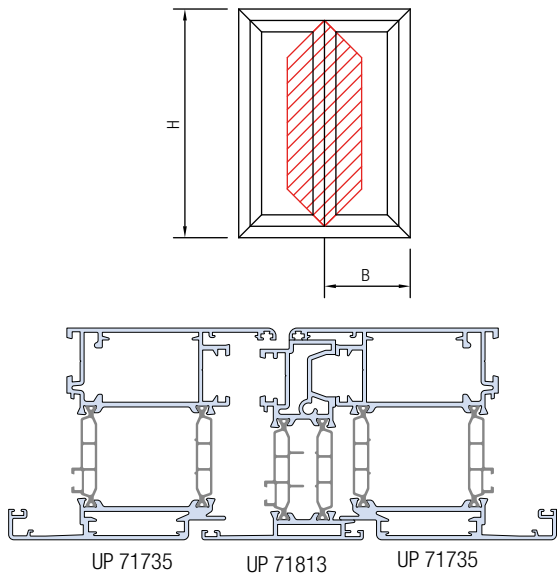
freccia max 1/300

VERIFICARE CHE LA FRECCIA DEL PROFILO SIA COMPATIBILE COL VETRO IMPIEGATO

*Check that profile face is compatible with glazing used*



CURVE LIMITE DI UTILIZZO  
*Limit curves*

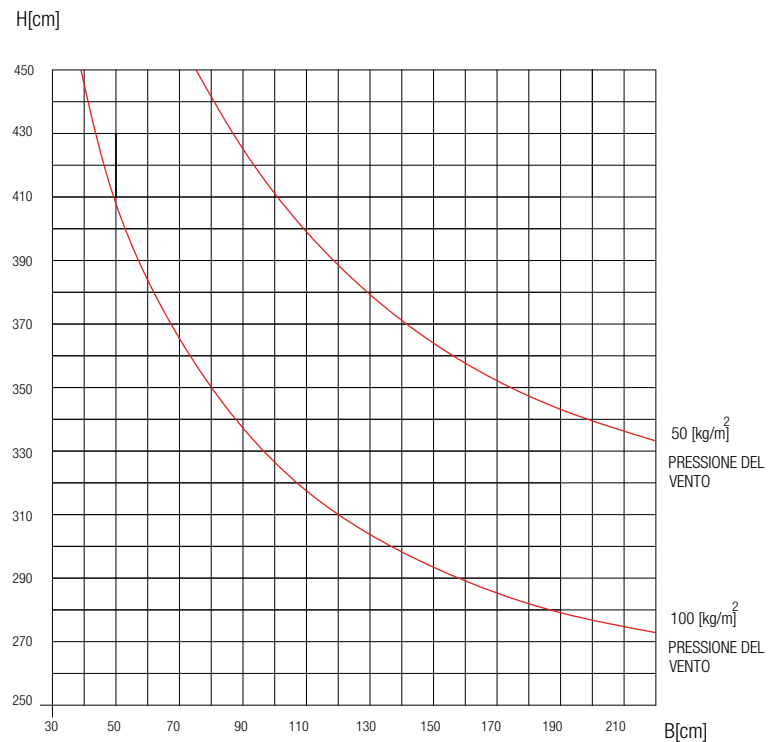


$J_t = 192,24 \text{ cm}^4$

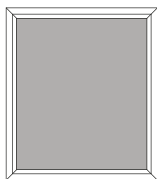
freccia max 1/300

VERIFICARE CHE LA FRECCIA DEL PROFILO SIA COMPATIBILE COL VETRO IMPIEGATO

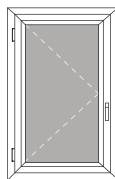
*Check that profile face is compatible with glazing used*



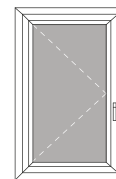
I DIAGRAMMI DI PORTATA SONO CALCOLATI SU BASE TEORICA IN FUNZIONE DELLE CARATTERISTICHE INERZIALI DEI PROFILI



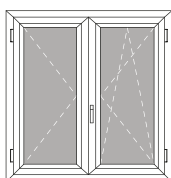
**fisso**  
fixed



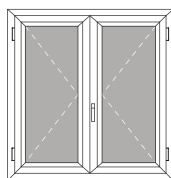
**finestra 1 anta  
apertura interna**  
1-leaf windows  
inner opening



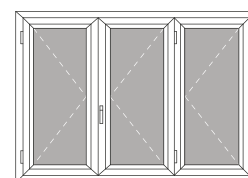
**finestra 1 anta  
apertura esterna**  
1-leaf windows  
outer opening



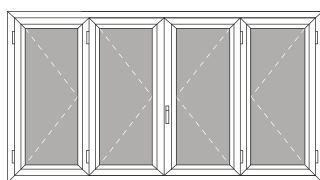
**finestra 2 ante  
ribalta**  
2-leaf, tilt and turn  
windows



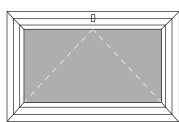
**finestra 2 ante**  
2-leaf windows



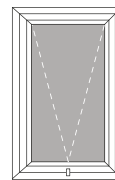
**finestra 3 ante**  
3-leaf windows



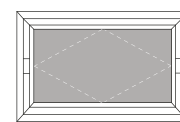
**finestra 4 ante**  
4-leaf windows



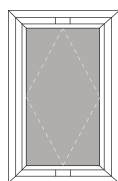
**vasistas**  
awning / hopper window



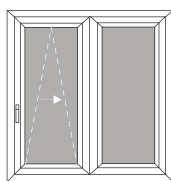
**sporgere**  
stick out windows



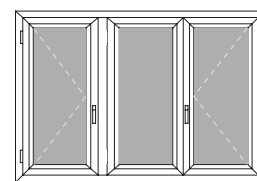
**bilico orizzontale**  
horizontal pivot window



**bilico verticale**  
vertical pivot window



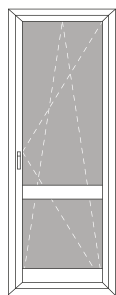
**scorrevole  
parallelo + fisso**  
tilt & slide + fix



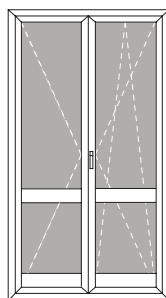
**finestratura  
a nastro**  
ribbon window

**ANTA MINIMA REALIZZABILE 700mm**

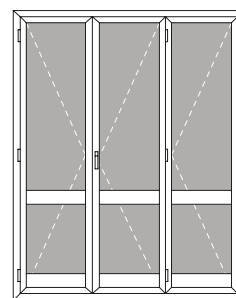
*Minimum leaf achievable 700mm*



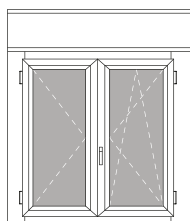
**porta finestra  
1 anta ribalta**  
balcony door  
1-leaf tilt and turn



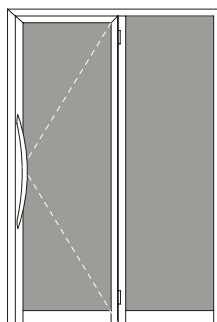
**porta finestra  
2 ante ribalta**  
balcony door  
2-leaf tilt and turn



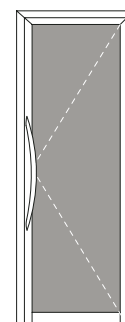
**porta finestra  
3 ante**  
balcony door  
3-leaf french door



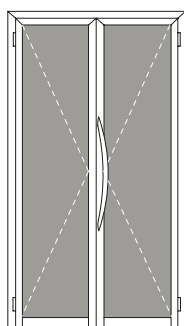
**finestra monoblocco**  
monoblock windows



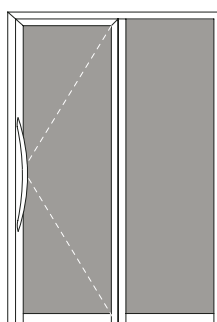
**portoncino 1 anta  
apertura interna + vetrina**  
1-leaf door inner  
opening and glaze



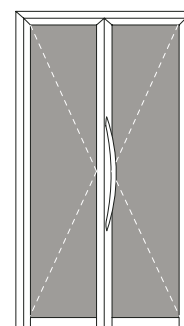
**portoncino 1 anta  
apertura interna**  
1-leaf door inner  
opening



**portoncino 2 ante  
apertura interna**  
2-leaf door inner  
opening



**portoncino 1 anta  
apertura esterna + vetrina**  
1-leaf door outer  
opening and glaze



**portoncino 2 ante  
apertura esterna**  
2-leaf door outer  
opening

**ANTA MINIMA REALIZZABILE 700mm**  
*Minimum leaf achievable 700mm*

## LEGENDA BATTUTA-SPALLA

### BEAT-ABUTMENT

Allo scopo di unificare la terminologia utilizzata nel catalogo:

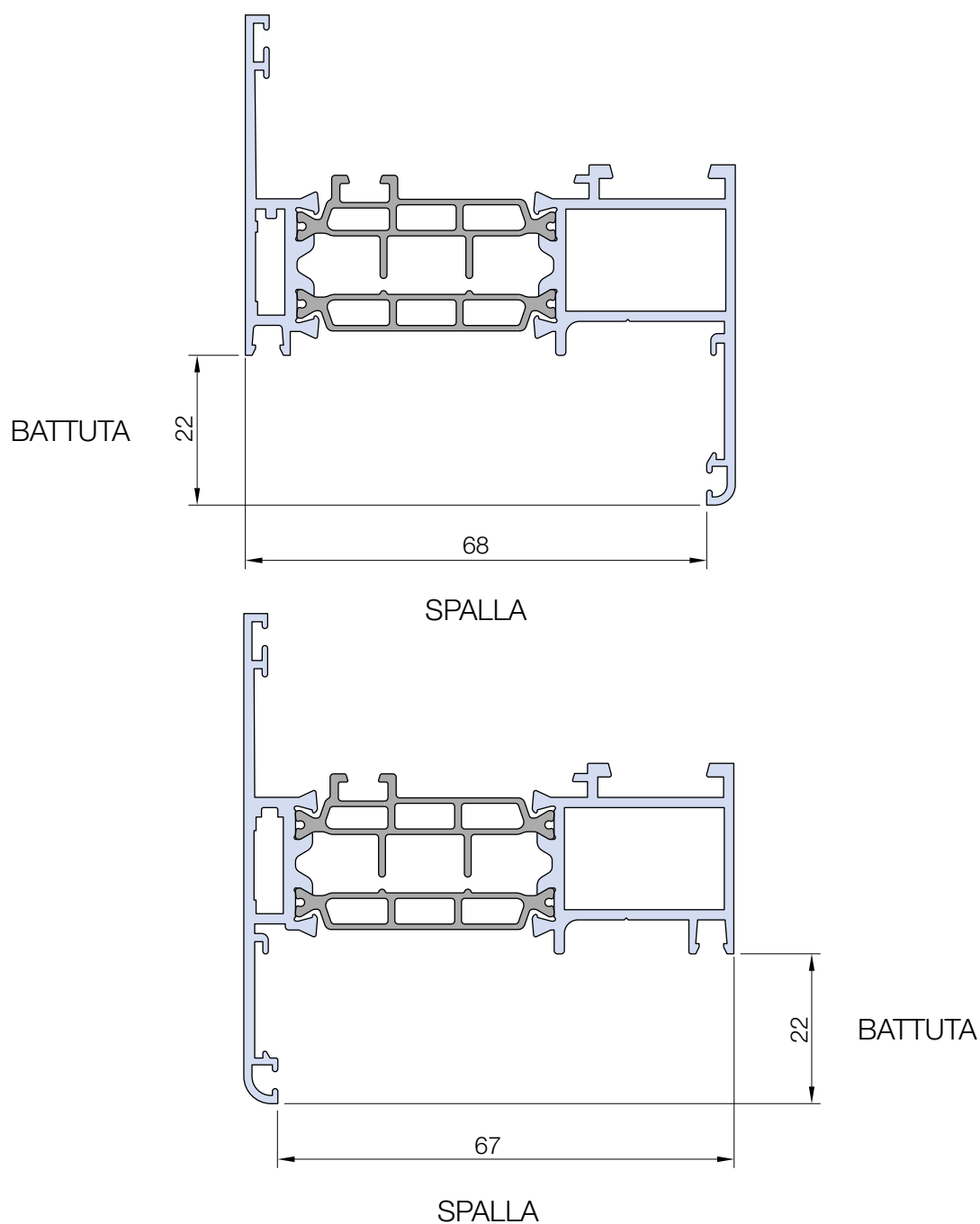
*In order to unify the technical terminology conventionally measured te following terms:*


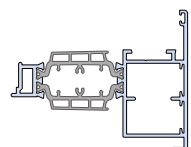

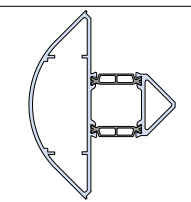



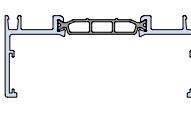

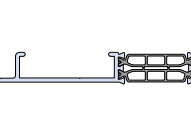

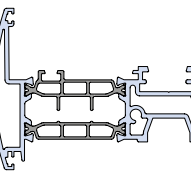

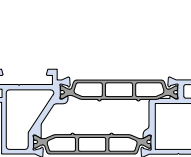

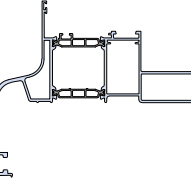

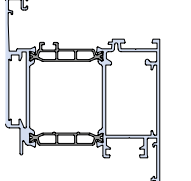
**BATTUTA:** la quota della lunghezza dell'aletta dei telai che copre il giunto con la muratura

*BEAT: the part of the fin lenght of frames that covers the joint with the masonry*


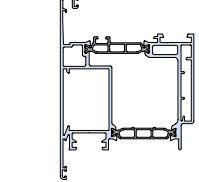

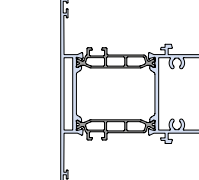

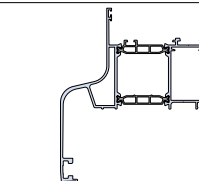

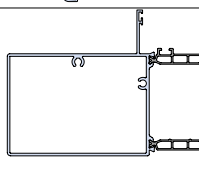

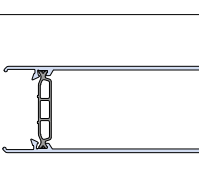

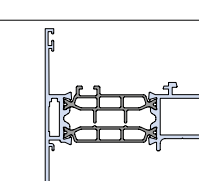

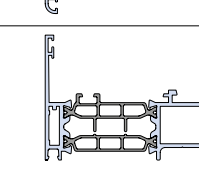

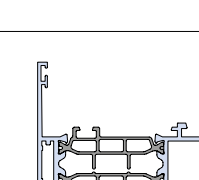

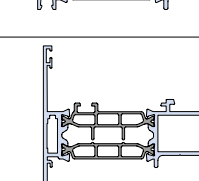
**SPALLA:** la quota della profondità tra la battuta e il filo esterno del profilato


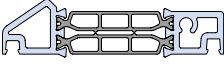

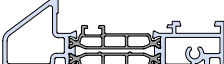

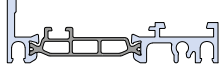

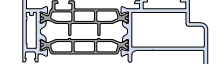

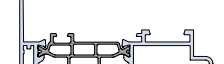

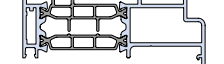

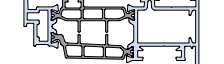

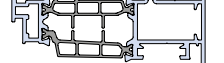

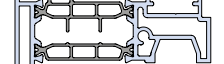
*ABUTMENT: the porportion of the depth between the stop and the external thread profile*


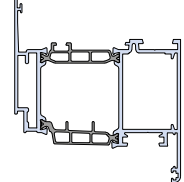

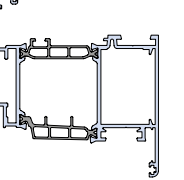

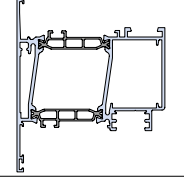

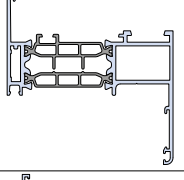

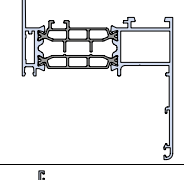
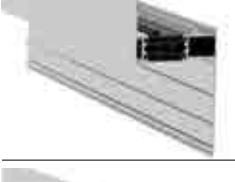
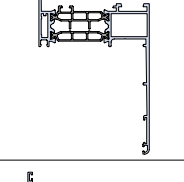

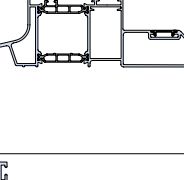

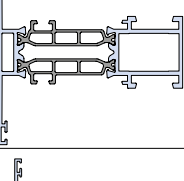

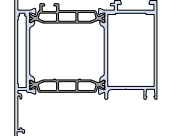


	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		TT 7120	Inversione di battuta bilico <i>Pivot rebate reversal</i>	1435	37,42 9,81
		UP 61899	Pilastro d'angolo a 90° <i>90° angle column</i>	1999	39,59 48,47
		UP 71141	Profilo porta spazzolino sottozoccolo <i>Brush holder profile</i>	611	-
		UP 71181	Profilo di compenso telescopico da abbinare con UP71803, UP71883, UP71833 <i>telescopic reward profile for UP71803, UP71883, UP71833</i>	865	-
		UP 71266	Celino monoblocco / tappo chiudi spalla / supporto per staffa / supporto per cassonetto <i>Single-unit celino / abutment plug / bracket support / box support</i>	1239	81,48 3,27
		UP 71713 *	Riporto centrale raggiato <i>Astragal seal</i>	1564	46,16 10,17
		UP 71723	Inversione di battuta <i>Rebate reversal</i>	1222	30,35 6,78
		UP 71725 *	Telaio capannoni da abbinare con profili imbotte <i>industrial shed frame to be combined with upholstered profiles</i>	2739	207,44 90,07
		UP 71735	Anta retta maggiorata porta doppia battuta <i>Oversized flat door leaf double rebate version</i>	2196	74,64 50,78

\*si consiglia di utilizzare controsagoma durante il taglio a 45° / *it is advisable to use a counterprofile when cutting at 45°*


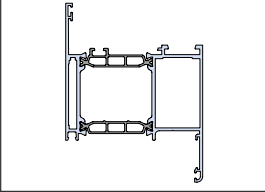

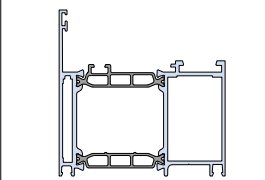

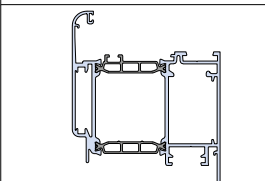

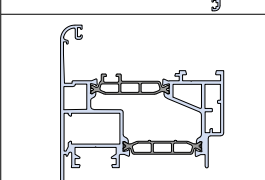

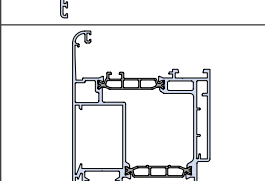

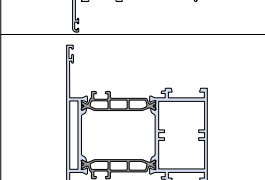

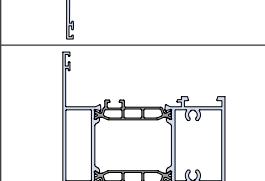

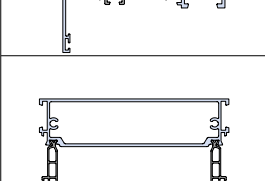

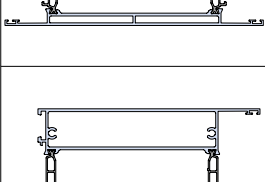
	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		UP 71737	Anta retta maggiorata apertura esterna porta doppia battuta <i>Oversized outward opening door flat leaf</i>	2440	80,00 64,74
		UP 71738	Traverso da 92mm per fissi ante raggiate - fissaggio viti <i>92mm transom for fixed doors/windows rounded leaves - fix screws</i>	1744	48,19 27,02
		UP 71745	Telaio per capannoni per le serie Planet Plus/UP <i>frame for sheds for the Planet Plus / UP series</i>	2296	111,03 88,51
		UP 71764	Spalla chiusa monoblocco per avvolgibile a sporgere e guida ad applicare <i>single-unit closed shoulder without roller shutter guide</i>	2904	269,71 95,48
		UP 71780	Doga 120mm, spessore 42mm <i>120mm stave, 42mm thick</i>	1516	21,61 91,80
		UP 71801	Telaio fisso a T battuta 22mm, spalla 67mm <i>Fixed T frame beat 22mm, abutment 67mm</i>	1264	33,64 8,81
		UP 71802	Telaio fisso a Z battuta 22mm, spalla 68mm <i>Fixed Z frame beat 22mm, abutment 68mm</i>	1255	36,31 8,63
		UP 71803	Telaio fisso a L, abbinare con UP71802,UP71821, UP71822, UP71824 <i>Fixed L frame, to be combined with UP71802,UP71821,UP71822,UP71824</i>	1147	30,13 5,61
		UP 71804	Telaio fisso traverso inferiore finestra <i>Fixed frame window lower transom</i>	1372	40,53 11,45

	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		UP 71805	Soglia ribassata 18mm per portoni con anta a giro <i>Low threshold 18mm for hinged door</i>	907	21,04 0,99
		UP 71806	Soglia ribassata da 30mm <i>30mm low threshold</i>	1293	44,52 2,97
		UP 71807	Soglia ribassata da 25mm <i>25mm low threshold</i>	747	20,50 0,81
		UP 71808	Telaio fisso a Z complanare battuta 22mm, spalla 68mm <i>Coplanar fixed Z frame beat 22mm, abutment 68mm</i>	1469	51,50 15,38
		UP 71809	Telaio fisso a L complanare, abbinare con UP 71808 <i>Coplanar fixed L frame, to be combined with UP71808</i>	1211	36,42 5,74
		UP 71810	Telaio fisso a Z complanare battuta 25mm, spalla 67mm <i>Coplanar fixed Z frame beat 25mm, abutment 67mm</i>	1381	47,20 11,94
		UP 71811	Anta liscia <i>Smooth leaf</i>	1387	45,65 9,51
		UP 71812	Anta raggiata <i>Rounded leaf</i>	1431	46,77 11,19
		UP 71813	Riporto centrale liscio <i>Pivot rebate reversal</i>	1430	39,52 7,91


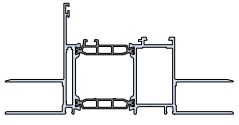

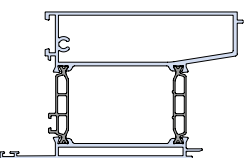

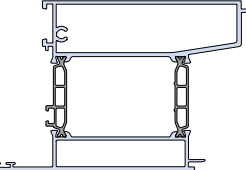

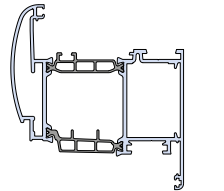

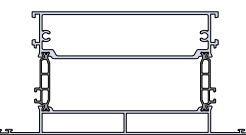

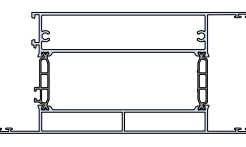

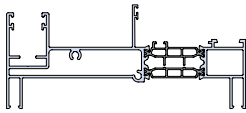

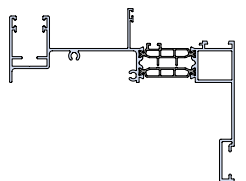

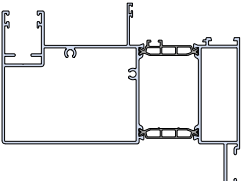
	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		UP 71816	Anta liscia maggiorata <i>Oversized smooth leaf</i>	1855	61,21 32,51
		UP 71817	Anta raggiata maggiorata <i>Oversized round leaf</i>	1896	62,32 35,49
		UP 71819	Anta bilico <i>Pivot leaf</i>	1981	61,69 40,13
		UP 71821	Telaio fisso a Z battuta 30mm, spalla 68mm <i>Fixed Z frame beat 30mm, abutment 68mm</i>	1295	38,37 11,03
		UP 71822	Telaio fisso a Z battuta 40mm, spalla 68mm <i>Fixed Z frame beat 40mm, abutment 68mm</i>	1346	40,82 15,27
		UP 71824	Telaio fisso a Z battuta 70mm, spalla 68mm <i>Fixed Z frame beat 70mm, abutment 68mm</i>	1518	48,11 39,18
		UP 71825 *	Telaio capannoni da abbinare con profili imbotte <i>industrial shed frame for frame extension</i>	2830	225,38 90,71
		UP 71828	Traverso da 72mm per fissi e ante raggiate - fissaggio con cavalletto <i>72mm transom for fixed doors/windows and rounded leaves - fix clamp</i>	1252	34,08 8,66
		UP 71831	Telaio fisso a T maggiorato battuta 22mm, spalla 67mm <i>Oversized fixed T frame beat 22mm, abutment 67mm</i>	1650	45,34 28,88

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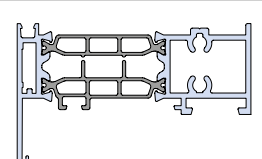

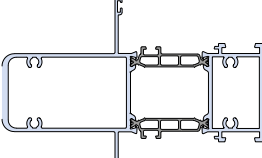

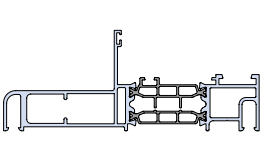

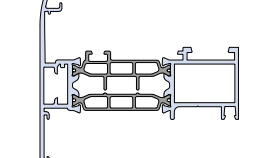

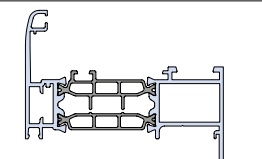

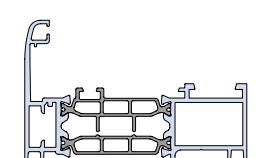

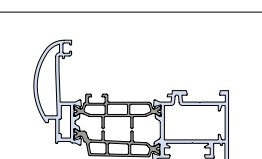

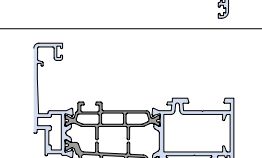

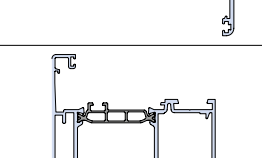


	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		UP 71832	Telaio fisso a Z maggiorato battuta 22mm, spalla 67mm <i>Oversized fixed Z frame beat 22mm, abutment 67mm</i>	1641	47,93 28,40
		UP 71833	Telaio fisso a L maggiorato, abbinare con UP 71832 <i>Oversized fixed L frame, to be combined with 71832</i>	1533	41,73 22,40
		UP 71835	Anta raggiata maggiorata porta doppia battuta <i>Oversized door leaf double rebate version</i>	2167	73,04 49,39
		UP 71836 *	Anta raggiata per sporgere <i>Leaf for top-hinged open out</i>	2003	62,88 25,54
		UP 71837	Anta raggiata maggiorata apertura esterna porta doppia battuta <i>Oversized outward opening door leaf double rebate version</i>	2397	78,09 63,28
		UP 71838	Traverso da 92mm per fissi ed ante raggiate - fissaggio con cavalletto <i>92mm transom for fixed doors/windows and rounded leaves - fix clamp</i>	1678	46,71 26,29
		UP 71839	Traverso da 92mm per ante lisce da 80mm fissaggio a vite <i>92mm transom for 80mm smooth leaves - fix screw</i>	1809	57,34 27,25
		UP 71840	Fascia da 165mm per fissi ed ante raggiate fissaggio a vite <i>165mm central crossbeam for fixed doors/ windows and rounded leaves- fix screw</i>	3218	91,38 248,98
		UP 71841	Zoccolo da 165mm per fissi ed ante raggiate fissaggio a vite <i>165mm central crossbeam for fixed doors/ windows and rounded leaves - fix screw</i>	3226	97,67 256,91


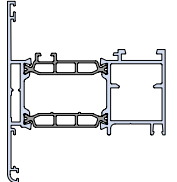

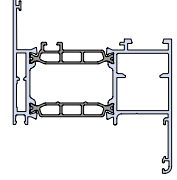

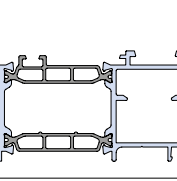

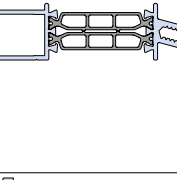
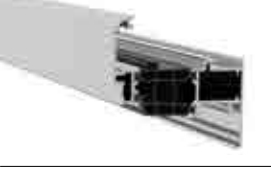
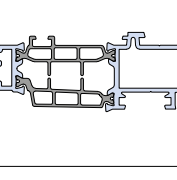

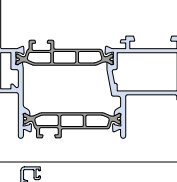

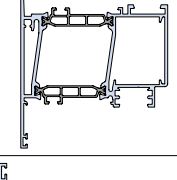

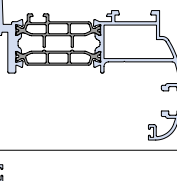

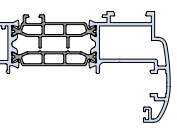
\*si consiglia di utilizzare controsagoma durante il taglio a 45° / it is advisable to use a counterprofile when cutting at 45°


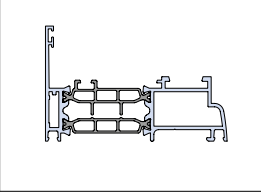

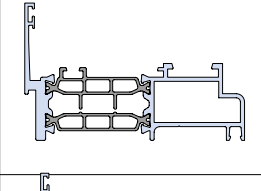

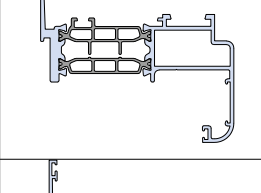

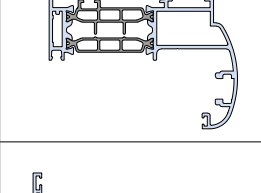

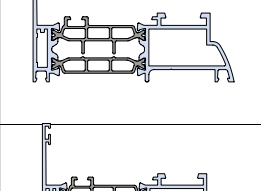

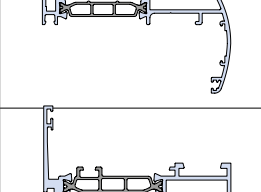

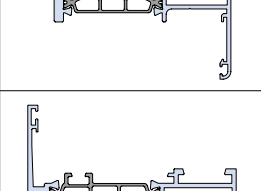

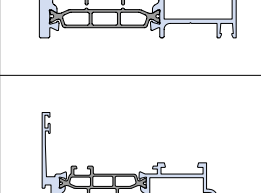


	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		UP 71845	Telaio L maggiorato con cava per imbotte <i>Oversized L frame with slots for frame extensions</i>	2234	119,08 30,46
		UP 71847	Zoccolo riportato per fissi ed ante raggiate fissaggio a vite <i>Fied base for fixed doors/windows and rounded leaves - fix screw</i>	2265	64,10 86,89
		UP 71848	Zoccolo riportato per ante lisce da 80mm fissaggio a vite <i>Fied base for 80mm smooth leaves - fix screw</i>	2330	73,77 87,86
		UP 71850 *	Anta bombata maggiorata <i>Oversized convex leaf</i>	1996	68,59 39,38
		UP 71858	Fascia da 165mm per ante lisce da 80mm fissaggio a vite <i>165mm central crossbeam for 80mm smooth leaves - fix screw</i>	3315	105,30 249,50
		UP 71859	Zoccolo da 165mm per ante lisce da 80mm fissaggio a vite <i>165mm central crossbeam for 80mm smooth leaves - fix screw</i>	3323	112,09 257,43
		UP 71861	Mezza spalla monoblocco con spazio per zanzariere <i>monobloc half shoulder with space for mosquito nets</i>	2620	272,93 18,42
		UP 71863	Spalla monoblocco con spazio per zanzariere <i>monobloc shoulder with space for mosquito nets</i>	2436	262,10 59,93
		UP 71864	Spalla chiusa monoblocco con spazio zanzariere <i>single-unit closed shoulder with double eye bolt for fastening</i>	3288	342,53 112,94


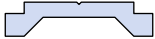
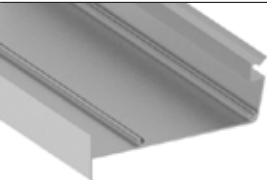
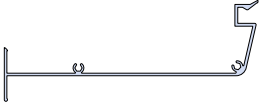


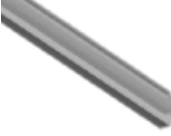
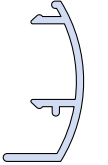
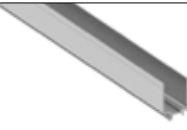
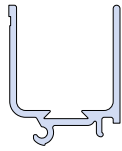

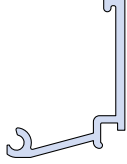
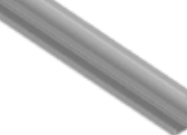
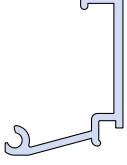

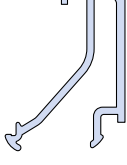

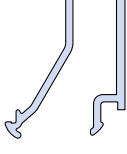
\*si consiglia di utilizzare controsagoma durante il taglio a 45° / it is advisable to use a counterprofile when cutting at 45°

	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		UP 71865	Telaio fisso a L traverso superiore monoblocco <i>fixed L frame upper crosspiece single-unit</i>	1242	32,84 5,89
		UP 71868	Pilastro per finestre <i>Column for glazing</i>	2478	158,80 34,24
		UP 71869	Mezzo pilastro per finestre <i>Half column for glazing</i>	1897	112,34 7,42
		UP 71871	Telaio a T sezione 77mm battuta 22mm, spalla 72mm <i>T frame 77mm, beat 22mm, abutment 72mm,</i>	1362	39,80 10,01
		UP 71872	Telaio a Z sezione 77mm battuta 22mm, spalla 73mm <i>Z frame 77mm, beat 22mm, abutment 73mm</i>	1358	42,95 9,88
		UP 71873	Telaio a L sezione 77mm, abbinare con UP 71872 <i>L frame 77mm, to be combined with 71872</i>	1250	35,88 6,73
		UP 71875 *	Anta bombata <i>Convex leaf</i>	1537	86,81 14,60
		UP 71877	Anta retta <i>Flat leaf</i>	1438	47,49 11,81
		UP 71878	Anta retta maggiorata <i>Oversized flat leaf</i>	1894	63,03 36,55

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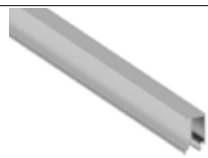
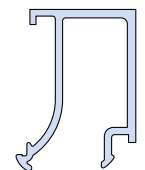

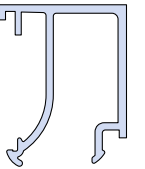

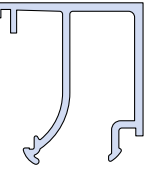

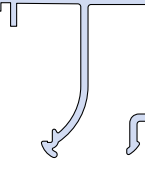
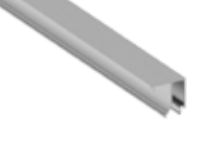
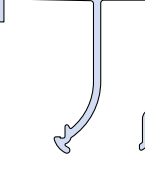
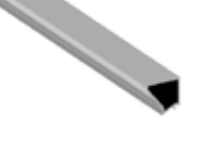
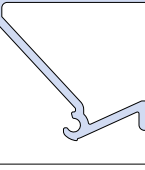
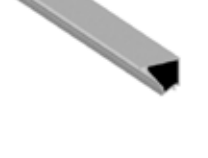
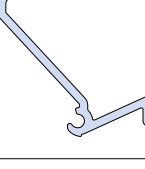
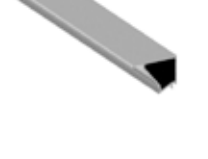
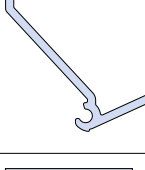
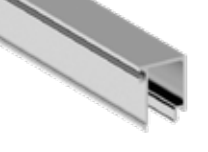
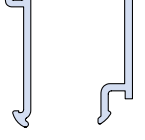
	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		UP 71881	Telaio fisso a T medio battuta 22mm, spalla 67mm <i>Medium fixed T frame beat 22mm, abutment 67mm</i>	1476	40,44 16,81
		UP 71882	Telaio fisso a Z medio battuta 22mm, spalla 68mm <i>Medium fixed Z frame beat 22mm, abutment 68mm</i>	1474	43,04 16,66
		UP 71883	Telaio fisso a L medio, abbinare a UP 71882 <i>Medium fixed L frame, to be combined with 71882</i>	1367	36,96 12,18
		UP 71886	Telaio telescopico per finestre da abbinare con PL2077 <i>Glazing counter-frame</i>	1033	29,85 4,78
		UP 71891	Anta modanata <i>Molded leaf</i>	1424	46,99 11,12
		UP 71895	Profilo per accoppiamento con facciata Sirio 50 <i>Profile for combining with Planet Sirio facade</i>	1295	30,75 11,46
		UP 71896	Anta retta bilico <i>Pivot leaf</i>	2015	62,88 41,21
		UP 72722	Telaio fisso a Z complanare bombato per ristrutturazione battuta 30mm, spalla 63mm <i>Coplanar fixed Z frame beat 30mm, abutment 63mm</i>	1494	52,64 15,31
		UP 72802	Telaio fisso a Z complanare bombato battuta 22mm, spalla 67mm <i>Coplanar fixed Z frame beat 22mm, abutment 67mm</i>	1385	45,82 10,93

	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		UP 72803	Telaio fisso a L complanare abbinare a UP 72802 <i>Coplanar fixed L frame to be combined with 72802</i>	1204	35,24 5,80
		UP 72809	Telaio fisso a L complanare per ristrutturazione abbinare a UP 72810 <i>Coplanar fixed L frame to be combined with 72810</i>	1246	36,75 5,75
		UP 72810	Telaio fisso a Z complanare per ristrutturazione battuta 25mm spalla 63mm <i>Coplanar fixed Z frame beat 25mm, abutment 63mm</i>	1416	47,65 11,92
		UP 72822	Telaio fisso a Z complanare bombato battuta 30mm, spalla 67mm <i>Coplanar fixed Z frame beat 30mm, abutment 67mm</i>	1459	51,97 15,25
		UP 72823	Telaio fisso a L complanare, abbinare a UP 72822 <i>Coplanar fixed L frame, to be combined with 72822</i>	1205	35,95 5,80
		UP 72824	Telaio fisso a Z complanare bombato battuta 30mm, spalla 74mm <i>Coplanar fixed Z frame beat 30mm, abutment 74mm</i>	1386	48,78 11,94
		UP 72890	Telaio fisso a Z per ristrutturazione battuta 22mm, spalla 64mm <i>Fixed Z frame beat 22mm, abutment 64mm</i>	1290	36,67 8,65
		UP 72891	Telaio fisso a L per ristrutturazione abbinare a UP 72890 <i>Fixed L frame to be combined with 72890</i>	1182	30,36 5,62
		UP 72893	Telaio fisso a L complanare per ristrutturazione abbinare a UP 72722 <i>Coplanar fixed L frame to be combined with 72722</i>	1240	36,27 5,81

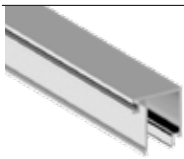
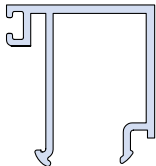
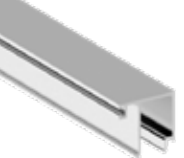
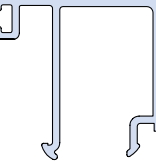

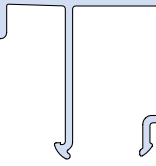

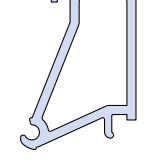

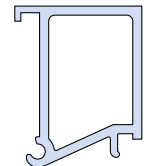

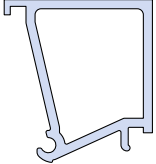

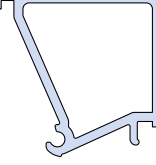

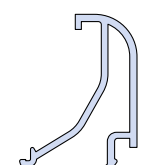

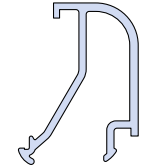
	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		AS 1000	Astina <i>Small rod</i>	119	-
		AS 4864	Cassonetto inf. e sup. <i>Lower and upper box</i>	1218	-
		AS 4865	Cassonetto frontale <i>Front box</i>	1110	-
		AS 48167	Profilo copricava bombato per monoblocco <i>Convex cable cover profile for single unit</i>	160	-
		PL 1325 *	Fermavetro Easysun da 24,5mm <i>24,5mm Easysun glazing bead</i>	348	-
		PL 1404 *	Fermavetro retto da 3,5mm <i>3,5mm smooth glazing bead</i>	190	-
		PL 1407 *	Fermavetro retto da 7mm <i>7mm smooth glazing bead</i>	206	-
		PL 1411	Fermavetro retto da 10,5mm <i>10,5mm smooth glazing bead</i>	252	-
		PL 1414	Fermavetro retto da 14mm <i>14mm smooth glazing bead</i>	257	-

\*utilizzare ACP 5027 / use ACP 5027




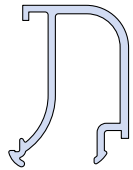

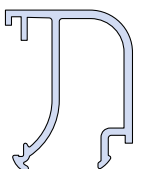

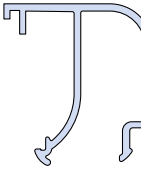
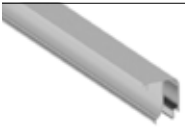
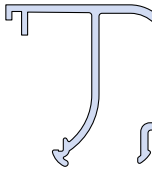

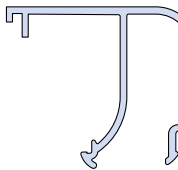
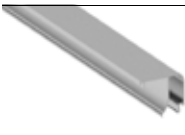
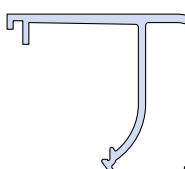

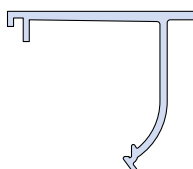

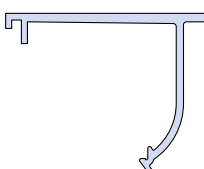
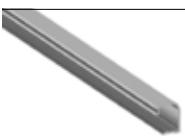
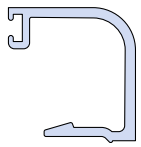
	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		PL 1418	Fermavetro retto da 17mm <i>17mm smooth glazing bead</i>	268	-
		PL 1421	Fermavetro retto da 21mm <i>21mm smooth glazing bead</i>	290	-
		PL 1425	Fermavetro retto da 24,5mm <i>24,5mm smooth glazing bead</i>	304	-
		PL 1428	Fermavetro retto da 27,5mm <i>27,5mm smooth glazing bead</i>	312	-
		PL 1432	Fermavetro retto da 31,5mm <i>31,5mm smooth glazing bead</i>	331	-
		PL 1435 *	Fermavetro retto di sicurezza da 35mm <i>35mm tubular smooth glazing bead</i>	434	-
		PL 1439 *	Fermavetro retto di sicurezza da 38,5mm <i>38,5mm tubular smooth glazing bead</i>	445	-
		PL 1442 *	Fermavetro retto di sicurezza da 41,5mm <i>41,5mm tubular smooth glazing bead</i>	454	-
		PL 14121	Fermavetro retto con portaguarnizione da 21mm <i>Flat glazing bead for 21mm fixed</i>	280	-

\*utilizzare ACP 5027 / use ACP 5027

	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		PL 14125	Fermavetro retto con portaguarnizione da 25mm <i>Flat glazing bead for 25mm fixed</i>	313	-
		PL 14128	Fermavetro retto con portaguarnizione da 27,5mm <i>Flat glazing bead for 27,5mm fixed</i>	323	-
		PL 14132	Fermavetro retto con portaguarnizione da 32mm <i>Flat glazing bead for 32mm fixed</i>	338	-
		PL 14214 *	Fermavetro retto di sicurezza da 14mm <i>14mm tubular smooth glazing bead</i>	329	-
		PL 14221 *	Fermavetro retto di sicurezza da 21mm <i>21mm tubular smooth glazing bead</i>	353	-
		PL 14225 *	Fermavetro retto di sicurezza da 24,5mm <i>24,5mm tubular smooth glazing bead</i>	370	-
		PL 14228 *	Fermavetro retto di sicurezza da 27,5mm <i>27,5mm tubular smooth glazing bead</i>	389	-
		PL 1511	Fermavetro arrotondato da 10mm <i>10mm rounded glazing bead</i>	238	-
		PL 1514	Fermavetro arrotondato da 14mm <i>14mm rounded glazing bead</i>	247	-


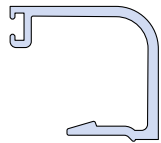
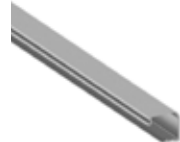
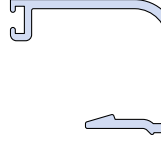
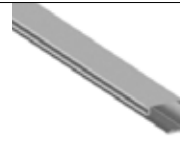
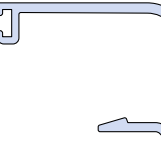
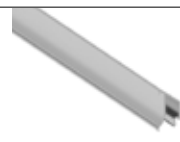
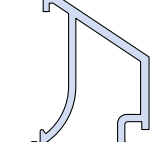

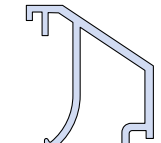

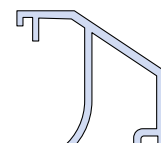

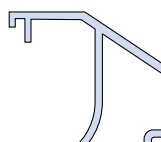

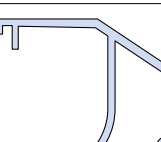

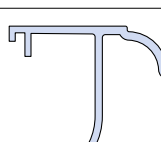
\*utilizzare ACP 5027 / use ACP 5027




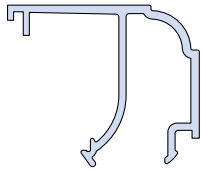

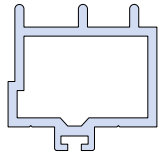



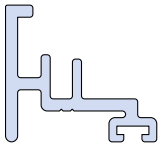
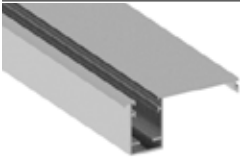
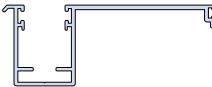

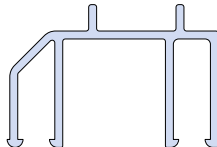
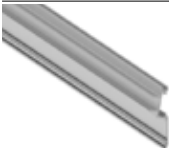


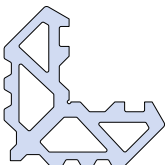

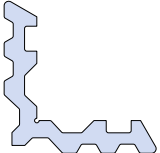
	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		PL 1518	Fermavetro arrotondato da 17,5mm <i>17,5mm rounded glazing bead</i>	257	-
		PL 1521	Fermavetro arrotondato da 21mm <i>21mm rounded glazing bead</i>	279	-
		PL 1525	Fermavetro arrotondato da 24,5mm <i>24,5mm rounded glazing bead</i>	290	-
		PL 1528	Fermavetro arrotondato da 27,5mm <i>27,5mm rounded glazing bead</i>	301	-
		PL 1532	Fermavetro arrotondato da 31,7mm <i>31,7mm rounded glazing bead</i>	317	-
		PL 1535	Fermavetro arrotondato da 35mm <i>35mm rounded glazing bead</i>	337	-
		PL 1539	Fermavetro arrotondato da 38,5mm <i>38,5mm rounded glazing bead</i>	352	-
		PL 1542	Fermavetro arrotondato da 41,5mm <i>41,5mm rounded glazing bead</i>	365	-
		PL 15221 #	Fermavetro raggiato per clip da 21mm <i>21mm radial glazing bead</i>	259	-

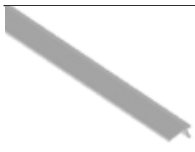
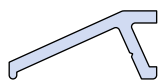
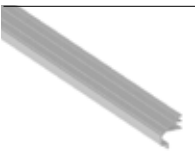
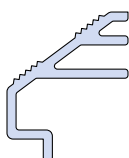
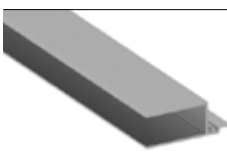
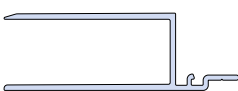
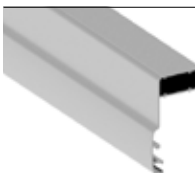
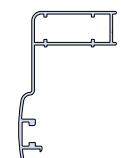
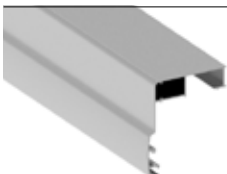
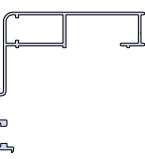
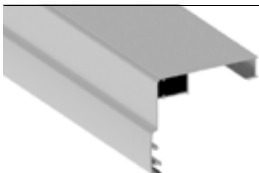
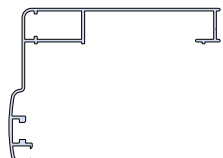
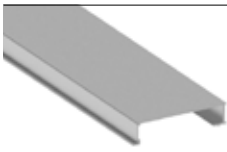

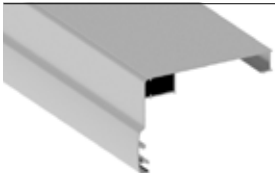
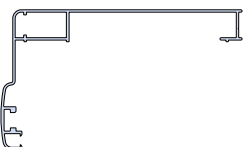


# utilizzare ACP 50122 / use ACP 50122

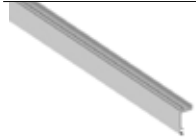
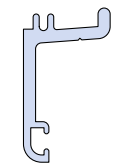
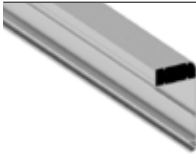

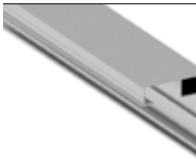
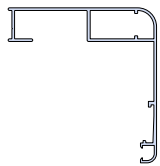
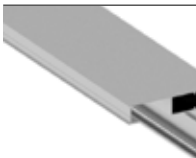
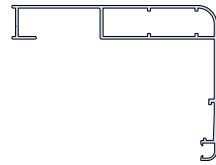
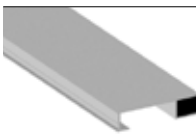

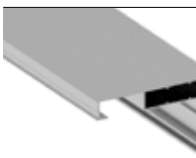
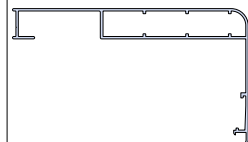
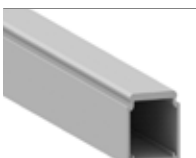
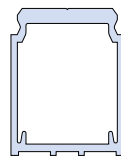

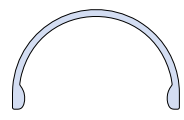

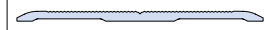
ELENCO PROFILI  
List of profiles

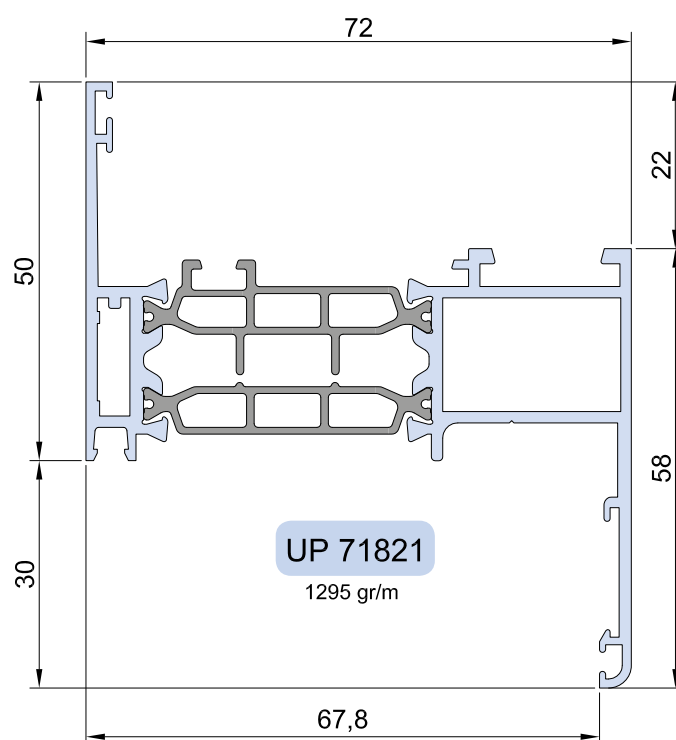
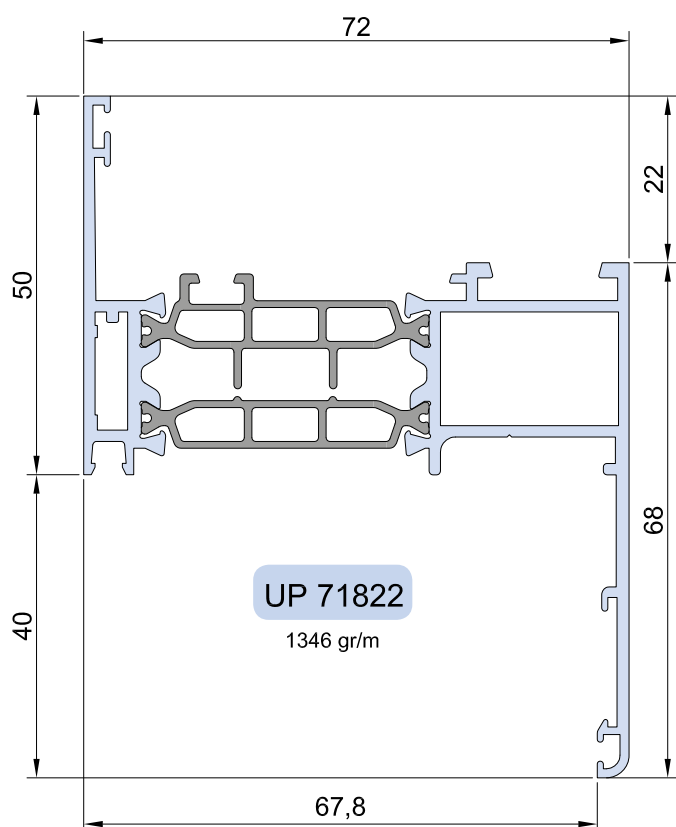
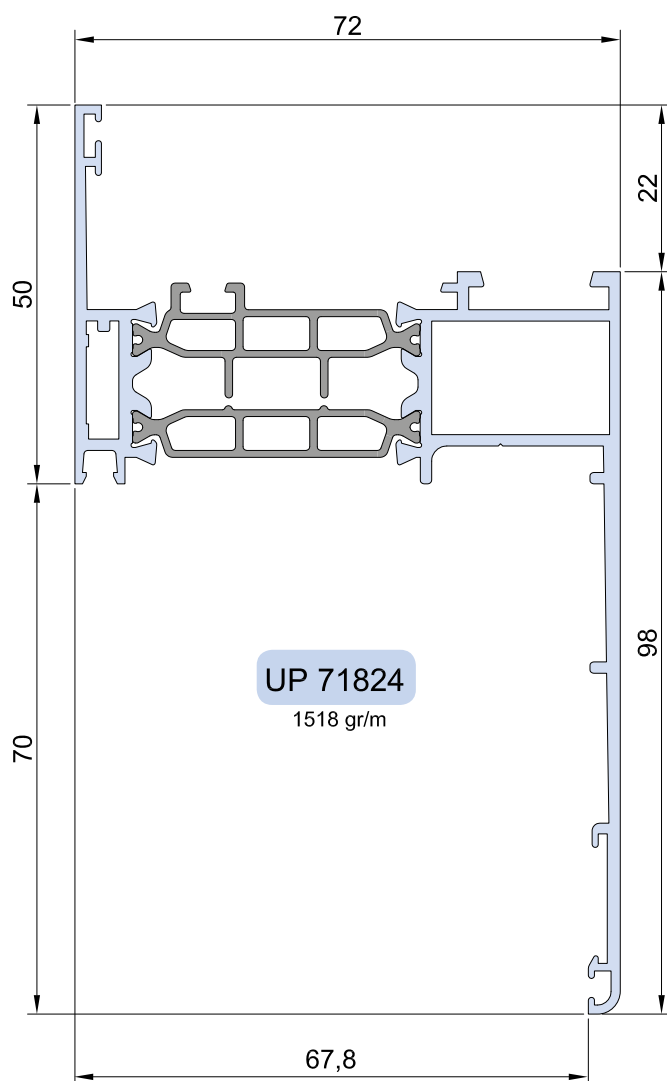
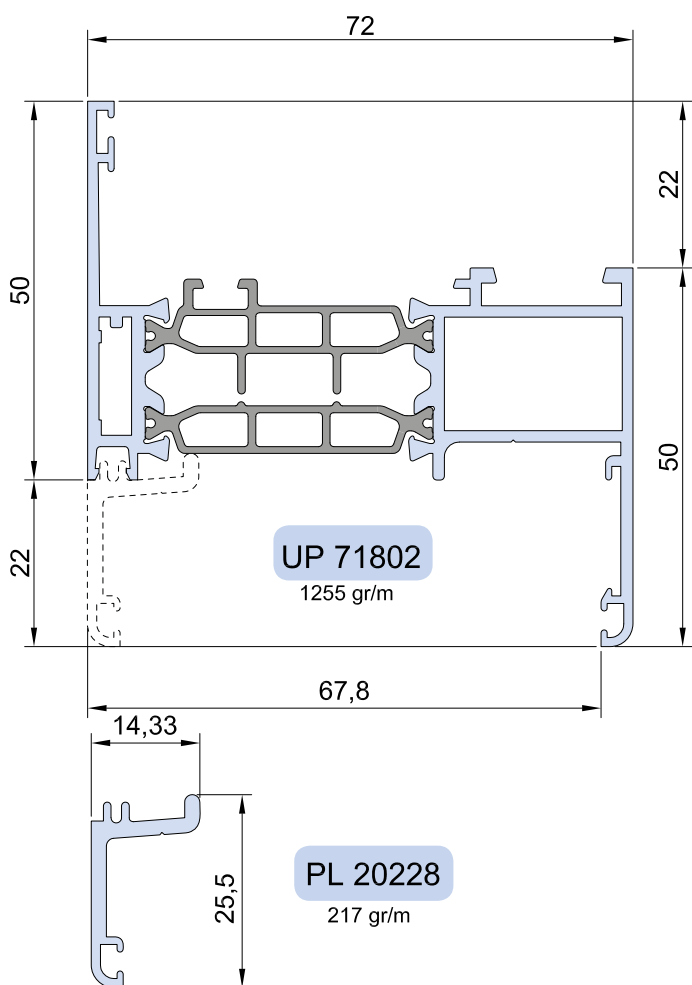
	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		PL 15225 #	Fermavetro raggiato per clip da 24,5mm <i>24,5mm radial glazing bead</i>	275	-
		PL 15228 #	Fermavetro raggiato per clip da 27,5mm <i>27,5mm radial glazing bead</i>	272	-
		PL 15232 #	Fermavetro raggiato per clip da 31,7mm <i>31,7mm radial glazing bead</i>	305	-
		PL 1818	Fermavetro smussato da 17,5mm <i>17,5mm bevelled glazing bead</i>	236	-
		PL 1821	Fermavetro smussato da 21mm <i>21mm bevelled glazing bead</i>	258	-
		PL 1825	Fermavetro smussato da 24,5mm <i>24,5mm bevelled glazing bead</i>	270	-
		PL 1828	Fermavetro smussato da 27,5mm <i>27,5mm bevelled glazing bead</i>	279	-
		PL 1832	Fermavetro smussato da 31,7mm <i>31,7mm bevelled glazing bead</i>	296	-
		PL 1928	Fermavetro modanato da 27,5mm <i>27,5mm moulded glazing bead</i>	298	-

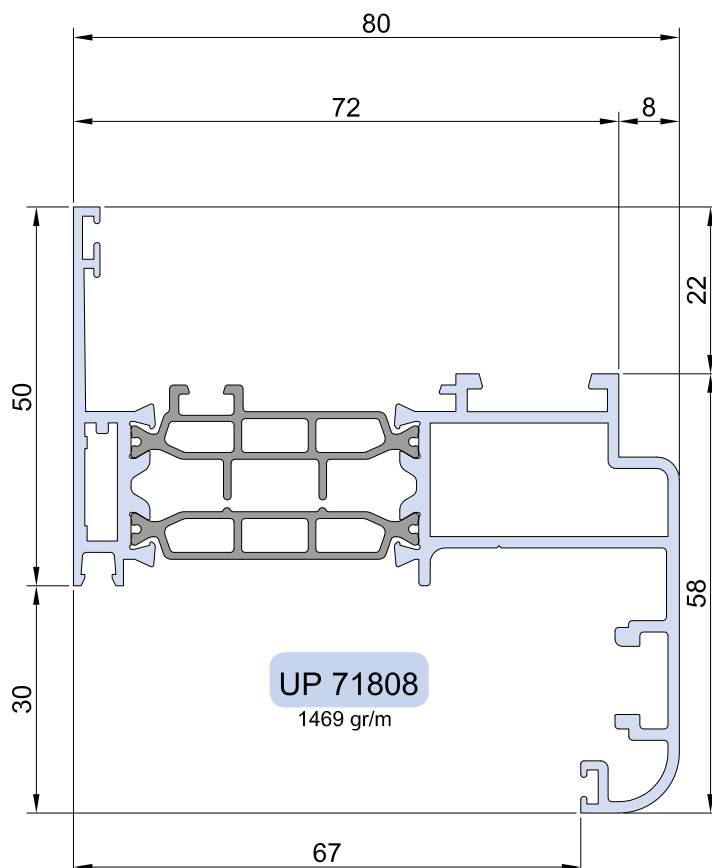
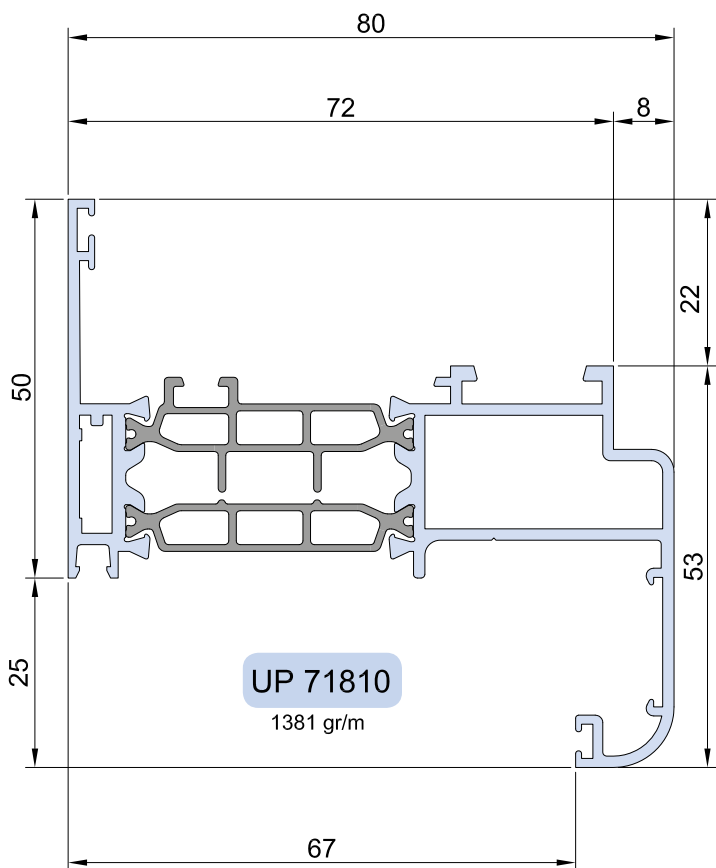
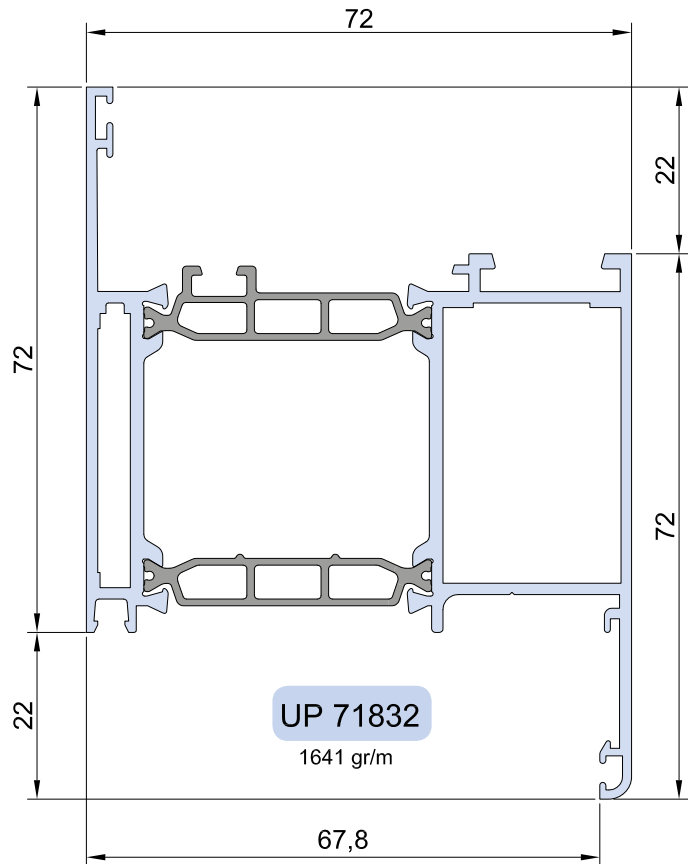
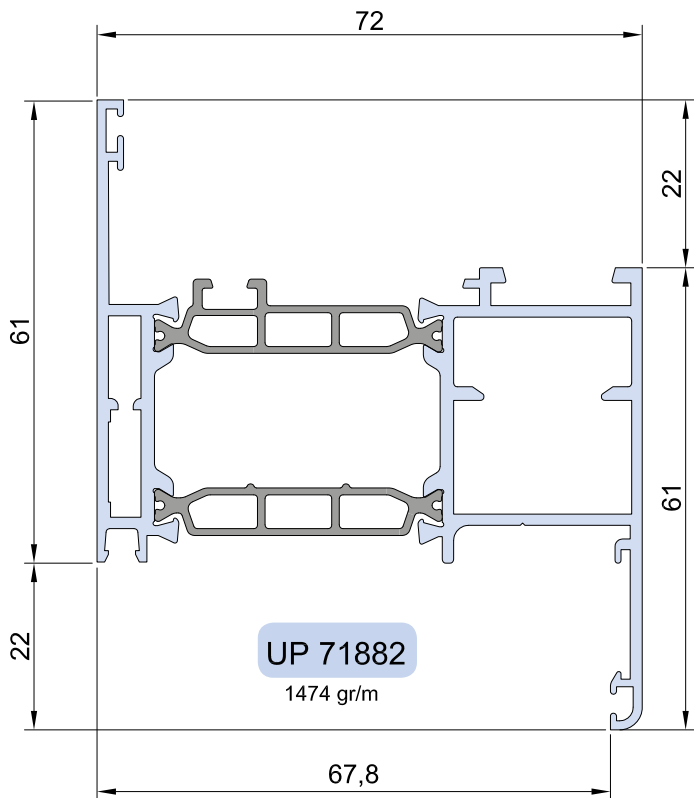
# utilizzare ACP 50122 / use ACP 50122

	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		PL 1932	Fermavetro modanato da 31,7mm <i>31,7mm moulded glazing bead</i>	317	-
		PL 2055	Portaspazzolino per UP 71840, UP71841, UP71858, UP71859 <i>Brush holder for UP71840, UP71841, UP71858, UP71859</i>	672	-
		PL 2058	Soglia calpestabile 3mm <i>3mm threshold plate</i>	404	-
		PL 2059	Portaspazzolino sottoporta per ante giunto aperto a girare <i>Floor brush holder</i>	397	-
		PL 2060	Guida tapparella <i>Roller shutter guide</i>	947	-
		PL 2075	Profilo giunzione finestre <i>Glazing joint profile</i>	528	-
		PL 2077	Coprifilo per UP 71886 <i>Glazing counter-frame for 71886</i>	385	-
		PL 2084	Profilo per squadrette maggiorate a cianfrinare <i>Profile for oversized brackets, crimping</i>	6461	-
		PL 2090	Profilo per squadrette a cianfrinare <i>Profile for brackets, crimping</i>	2720	-

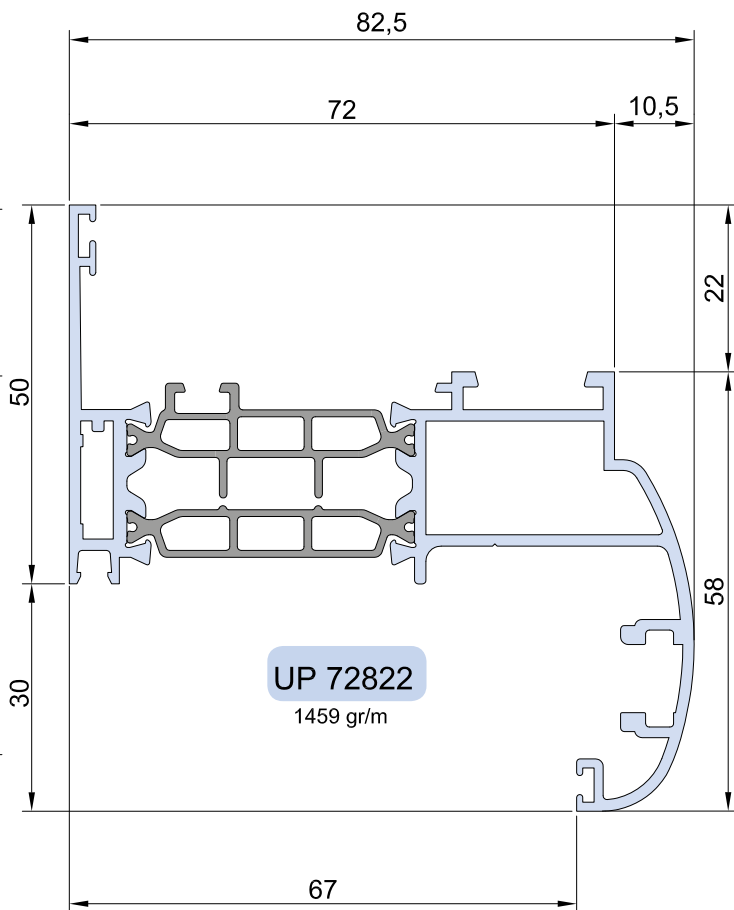
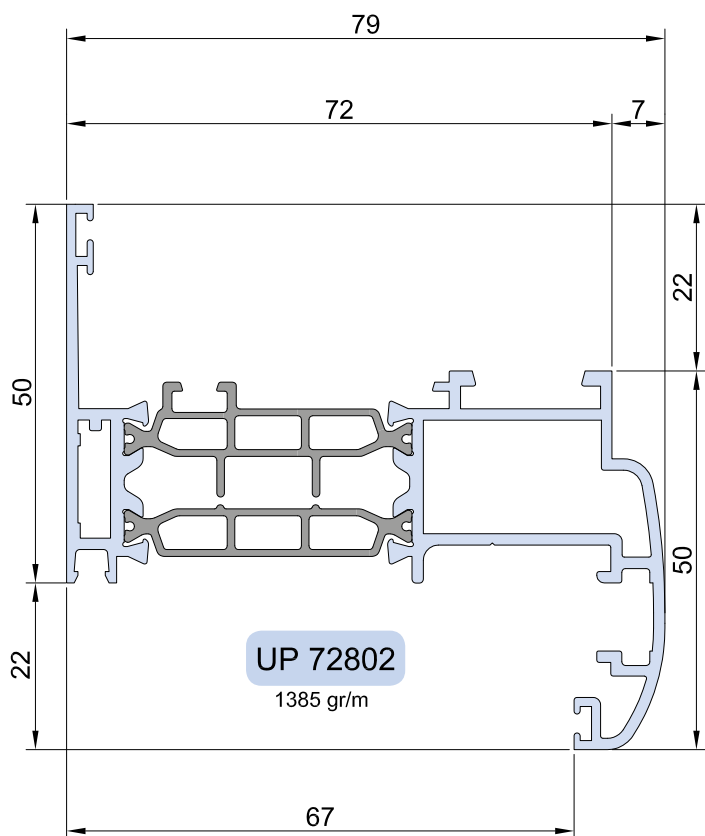
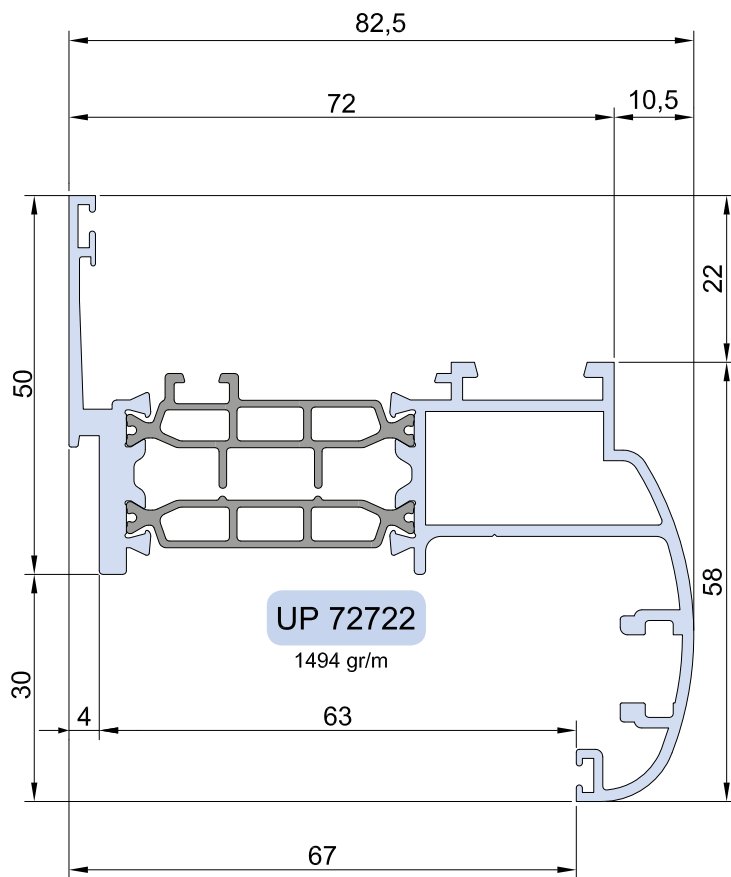
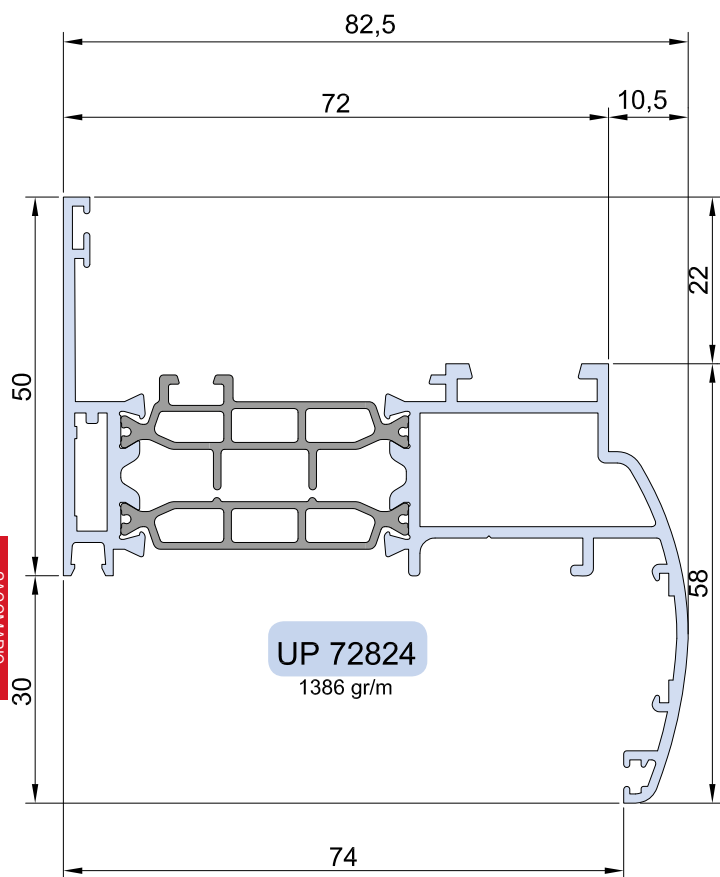
	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		PL 20100	Gocciolatoio <i>Drip</i>	129	-
		PL 20126	Rinforzo soglia ribassata <i>Low sill reinforcement</i>	260	-
		PL 20192	Cava per imbotte ad applicare per telai a L maggiorati <i>slot for wall profile for oversize L frame</i>	636	-
		PL 20193	Imbotte da 45mm <i>45mm wall profile</i>	946	-
		PL 20194	Imbotte da 75mm <i>75mm wall profile</i>	1149	-
		PL 20195	Imbotte da 105mm <i>105mm wall profile</i>	1306	-
		PL 20196	Prolunga imbotti da 90mm <i>90mm wall profile extension</i>	686	-
		PL 20198	Imbotte da 135mm <i>135mm wall profile</i>	1504	-
		PL 20226	Profilo copricava per UP71825, PL 2077 <i>Cable cover profile for UP71825, PL 2077</i>	95	-

	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		PL 20228	Battuta riportata da 22mm per telai fissi <i>22mm fixed rebate for fixed Z frame</i>	217	-
		PL 20293	Imbotte da 48,5mm <i>48,5mm wall profile</i>	832	-
		PL 20294	Imbotte da 78,5mm <i>78,5mm wall profile</i>	1022	-
		PL 20295	Imbotte da 108,5mm <i>108,5mm wall profile</i>	1236	-
		PL 20296	Prolunga imbotti da 103mm <i>103mm wall profile extension</i>	816	-
		PL 20298	Imbotte da 138,5mm <i>138,5mm wall profile</i>	1472	-
		PL 2859	Tubolare rinforzo universale strutturale <i>tubular universal structural reinforcement</i>	800	-
		PL 2860	Copertina rinforzo universale strutturale <i>universal structural reinforcement cover</i>	177	-
		PL 2861	Soglia calpestabile 3mm <i>3mm threshold plate</i>	461	-



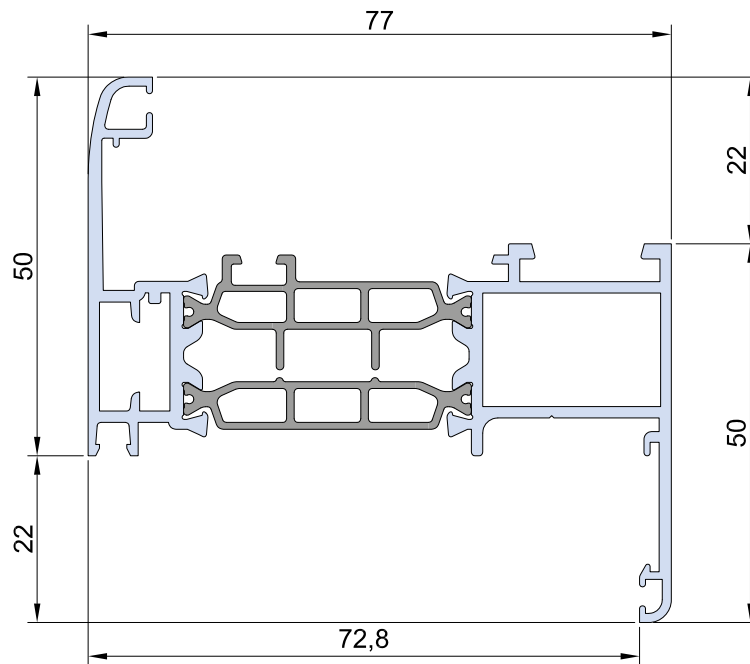


SAGOMARIO  
Profilo representation

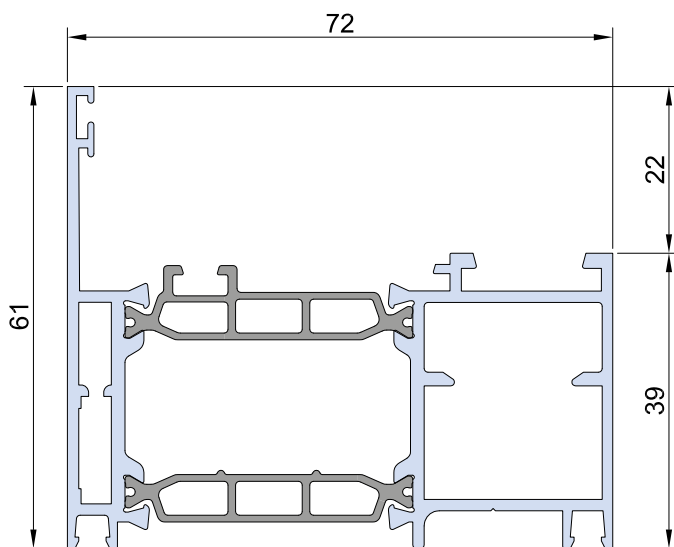
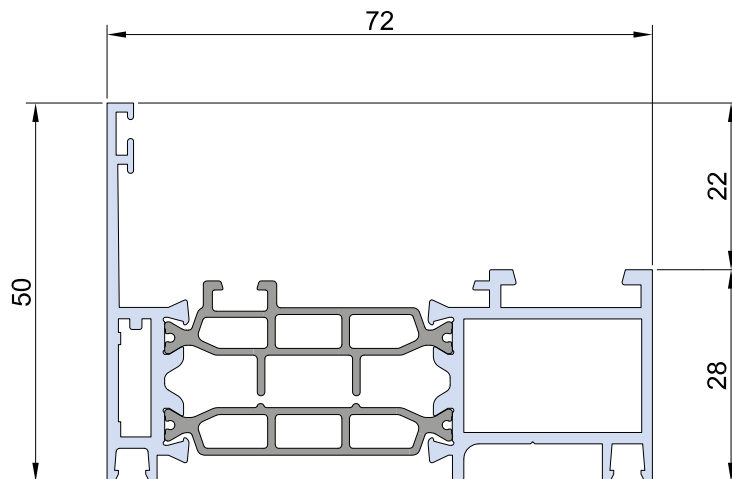




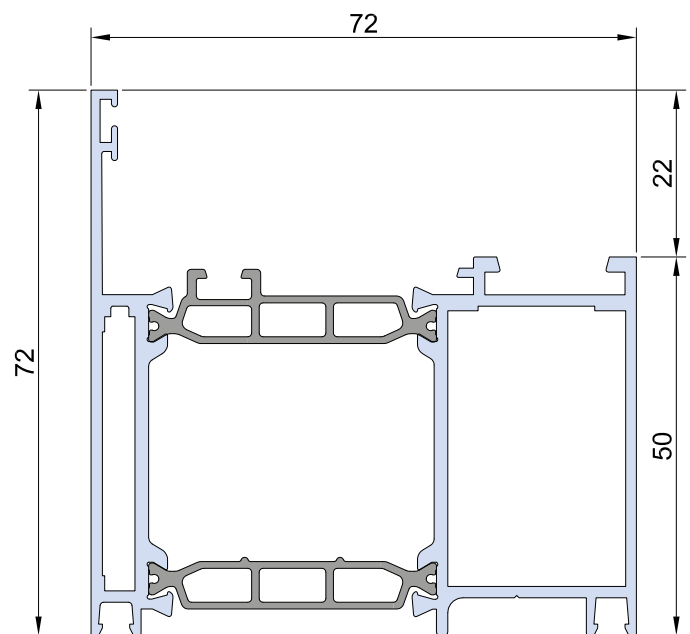
**UP 71872**  
1358 gr/m



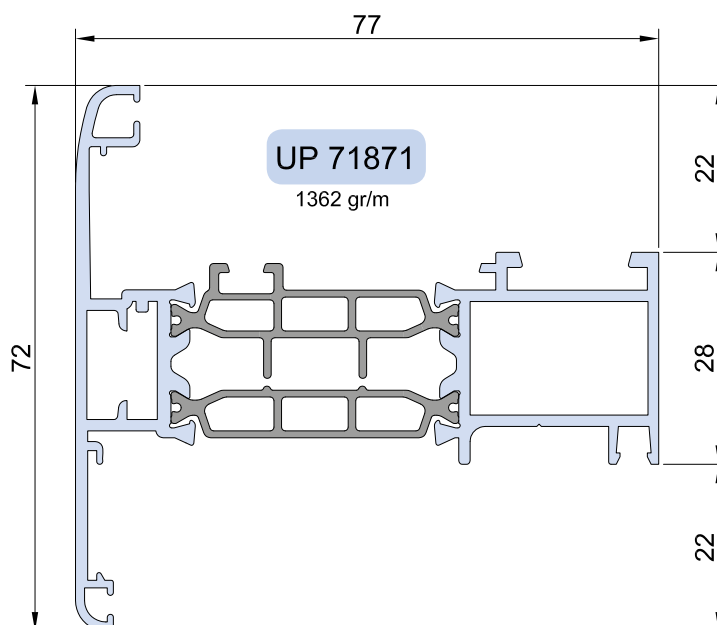
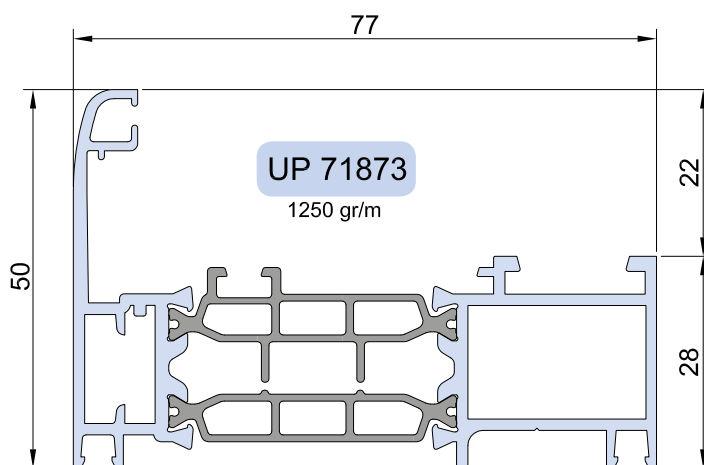
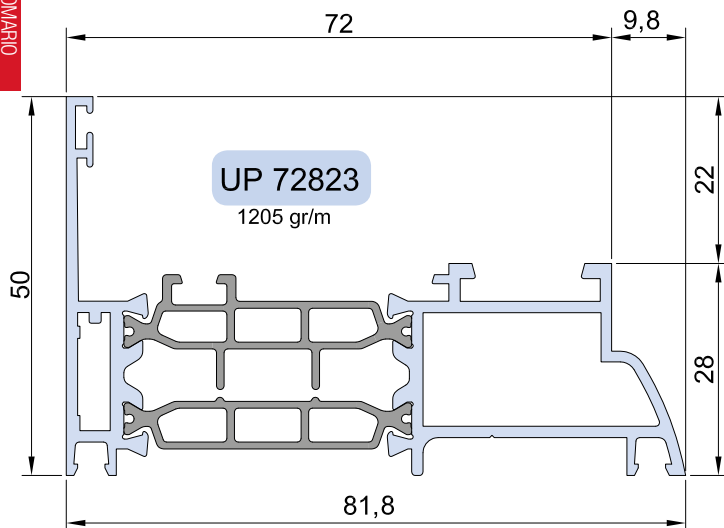
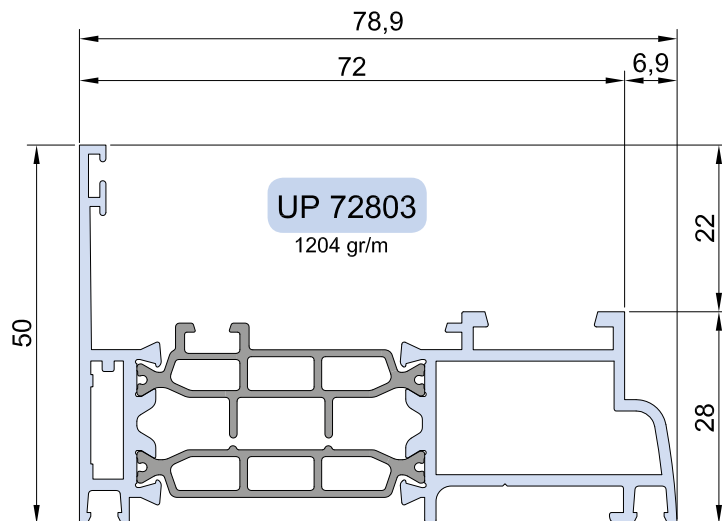
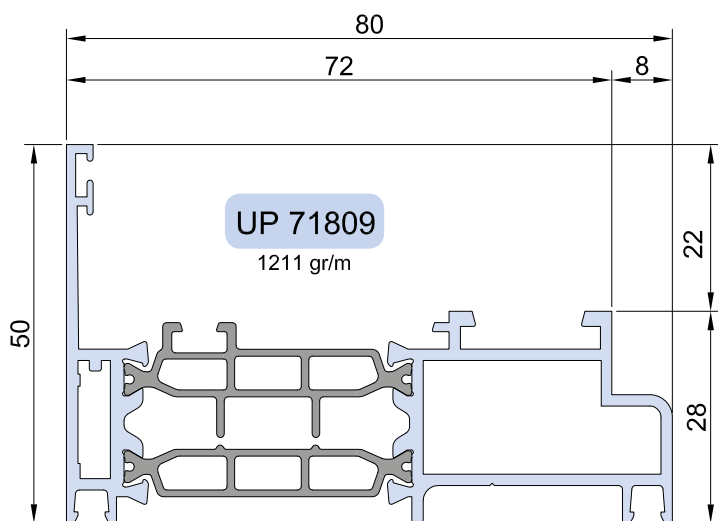
**UP 71803**  
1147 gr/m



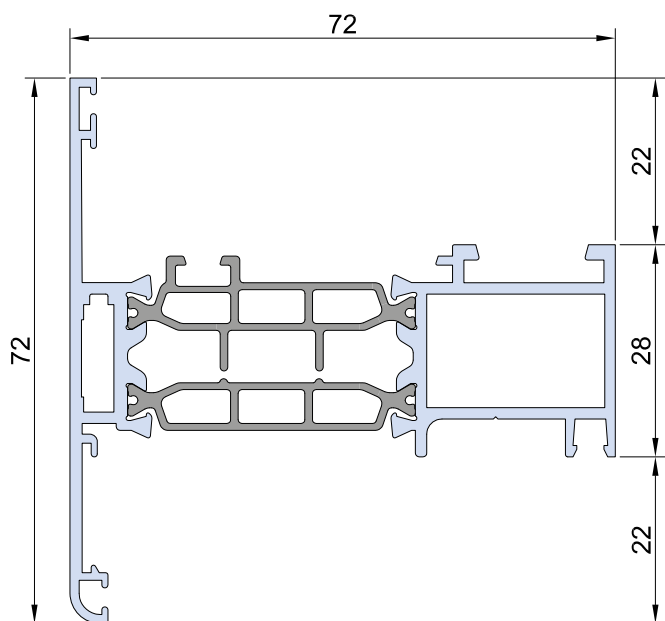
**UP 71883**  
1367 gr/m



**UP 71833**  
1533 gr/m

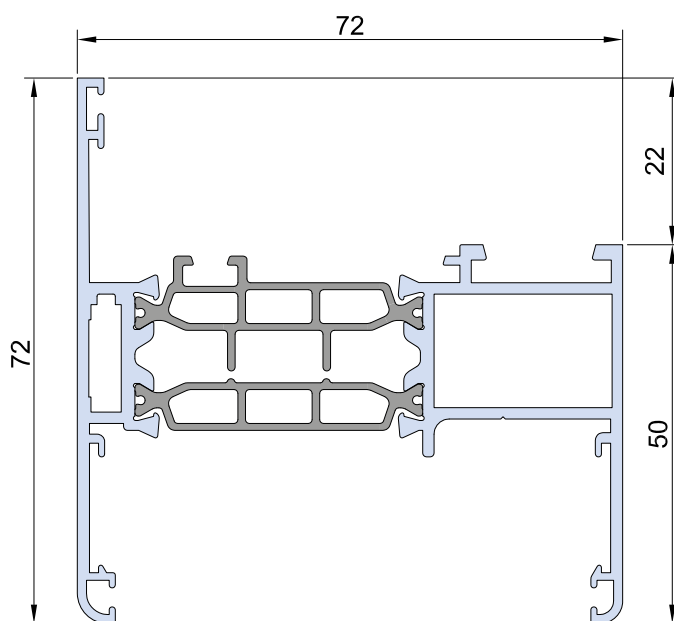


SAGOMARIO  
Profile representation



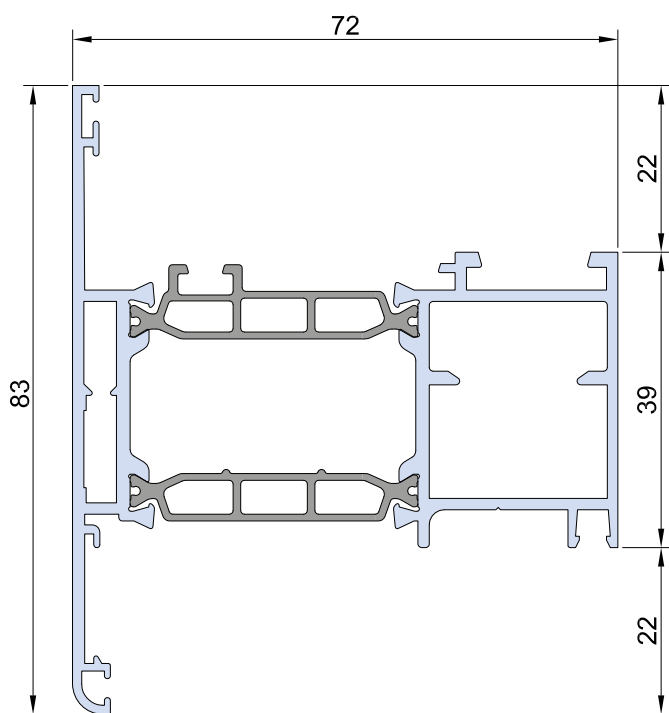
**UP 71801**

1264 gr/m



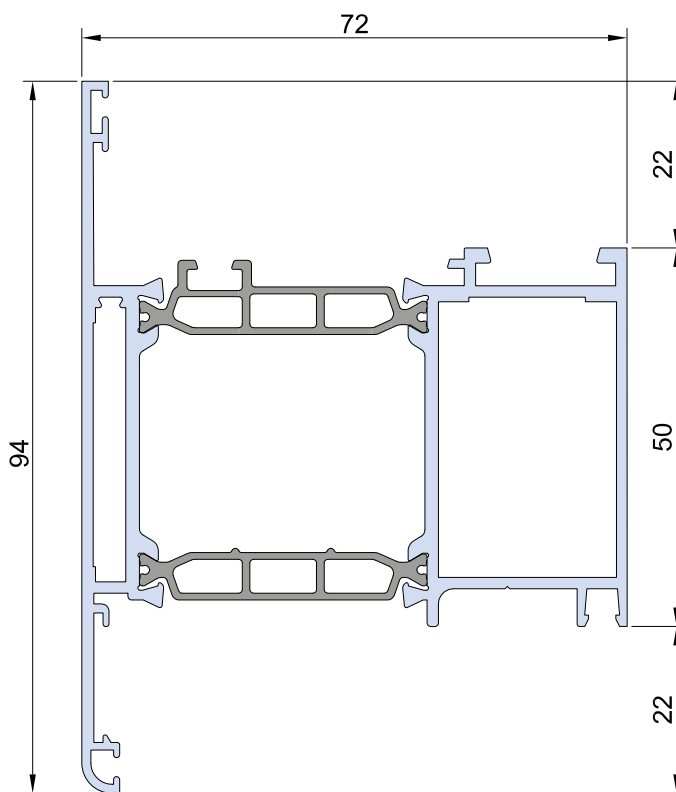
**UP 71804**

1372 gr/m



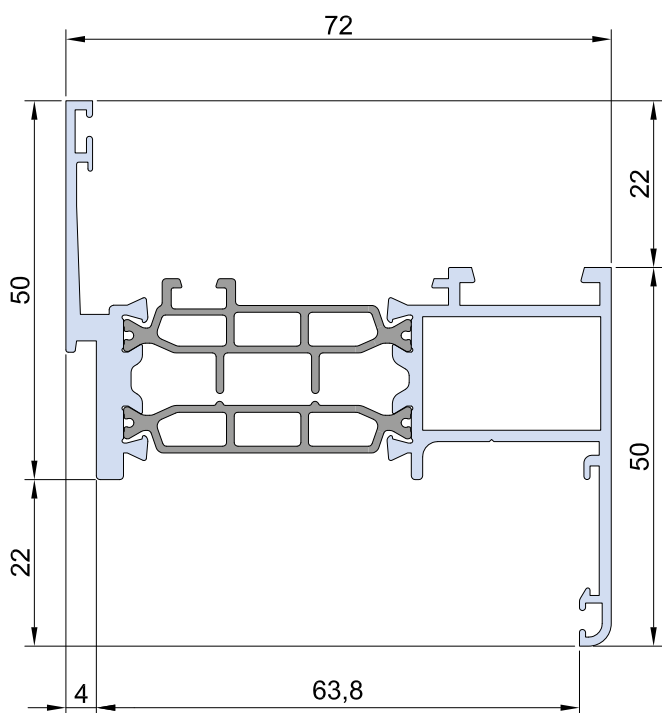
**UP 71881**

1476 gr/m

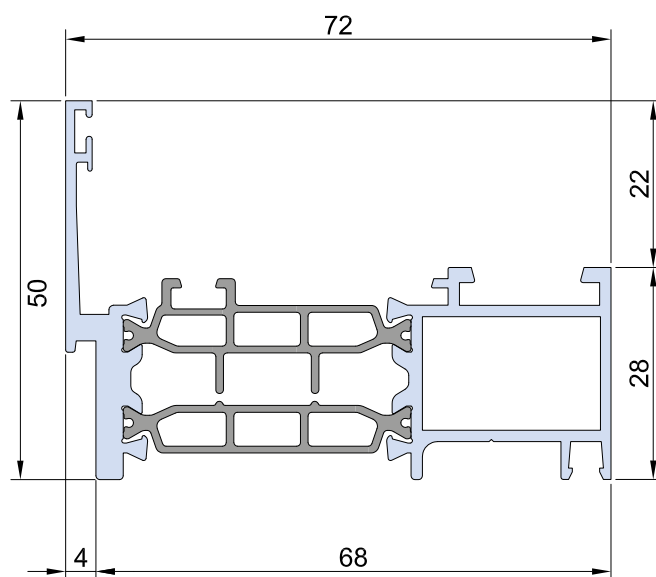


**UP 71831**

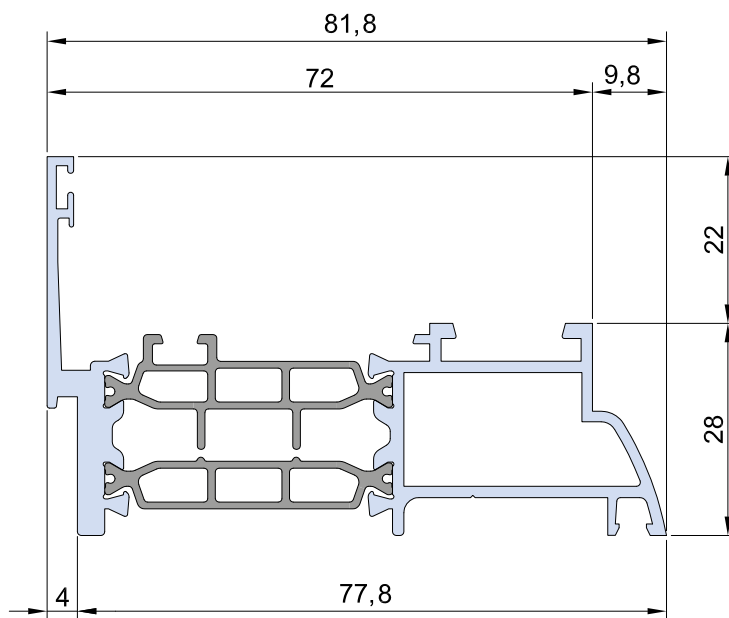
1650 gr/m



**UP 72890**  
1290 gr/m



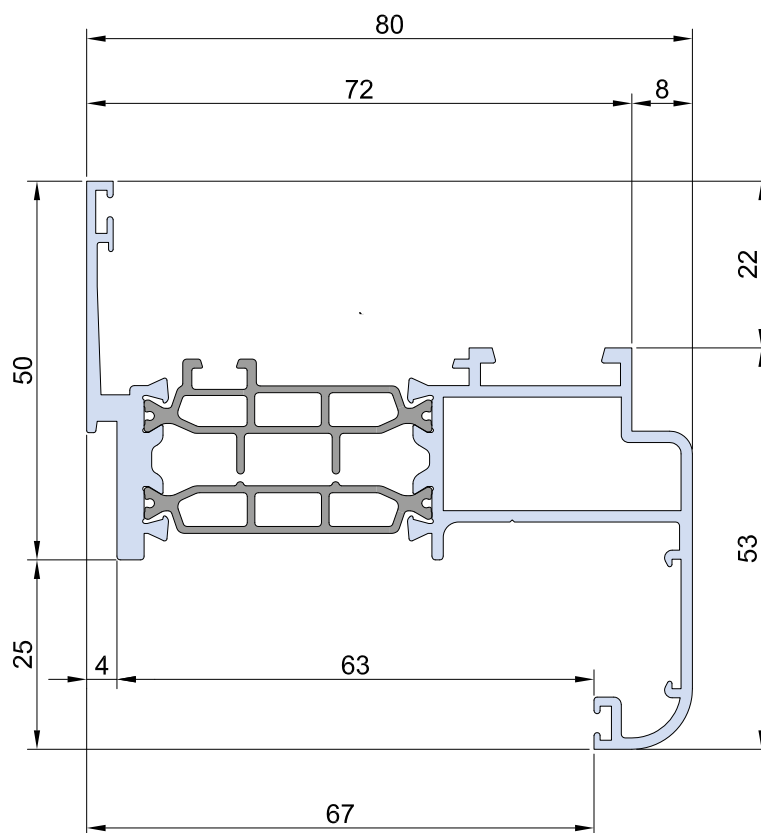
**UP 72891**  
1182 gr/m



**UP 72893**  
1240 gr/m

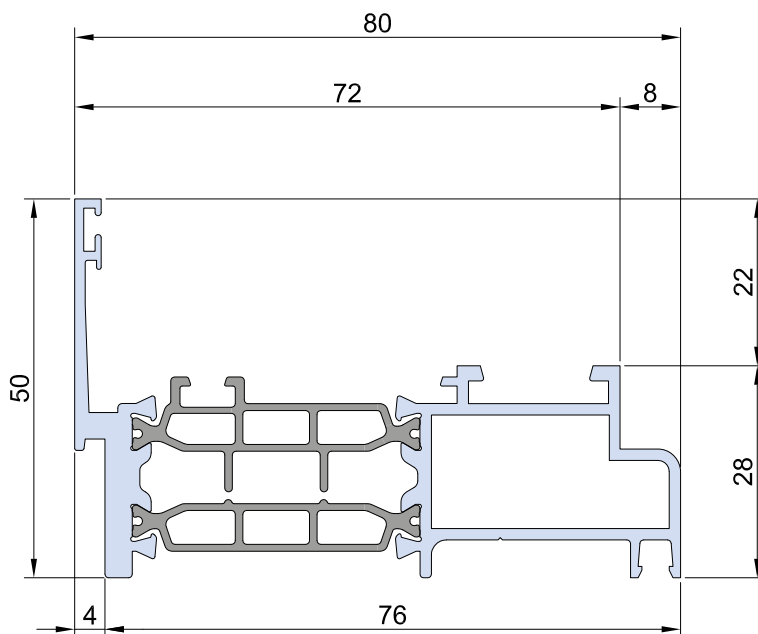
**UP 72810**

1416 gr/m



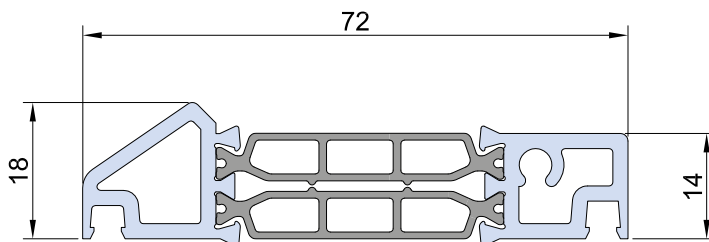
**UP 72809**

1246 gr/m



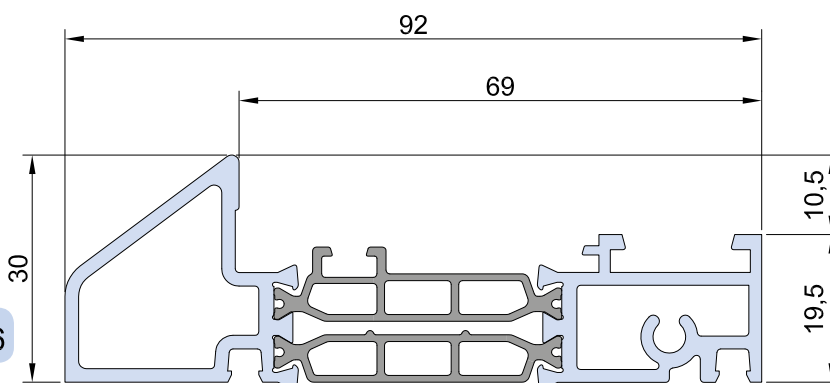
**UP 71805**

907 gr/m



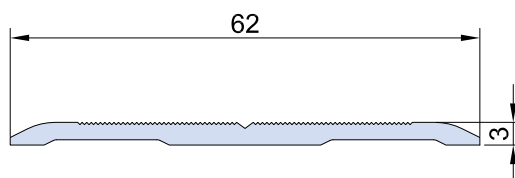
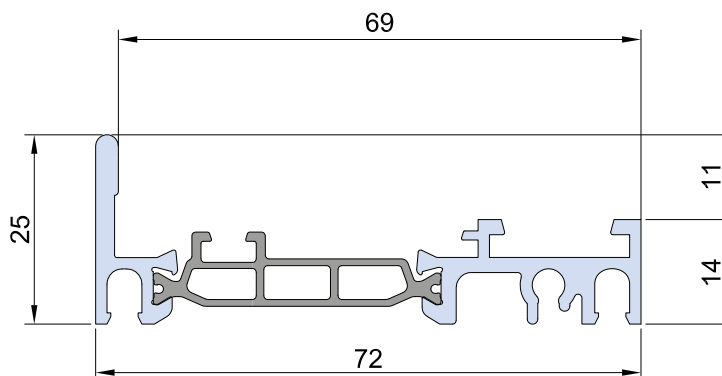
**UP 71806**

1293 gr/m



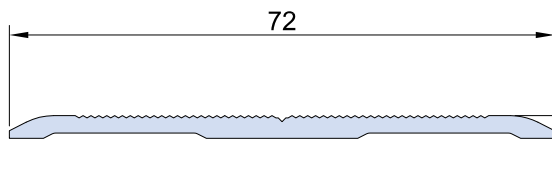
**UP 71807**

747 gr/m



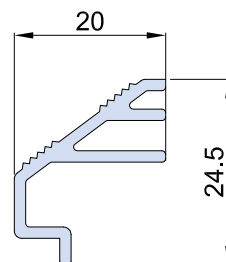
**PL 2058**

404 gr/m



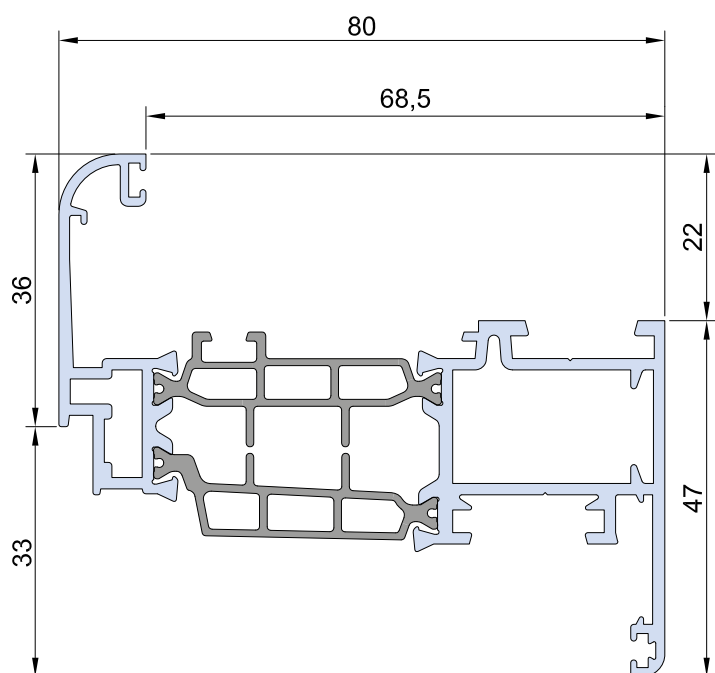
**PL 2861**

461 gr/m



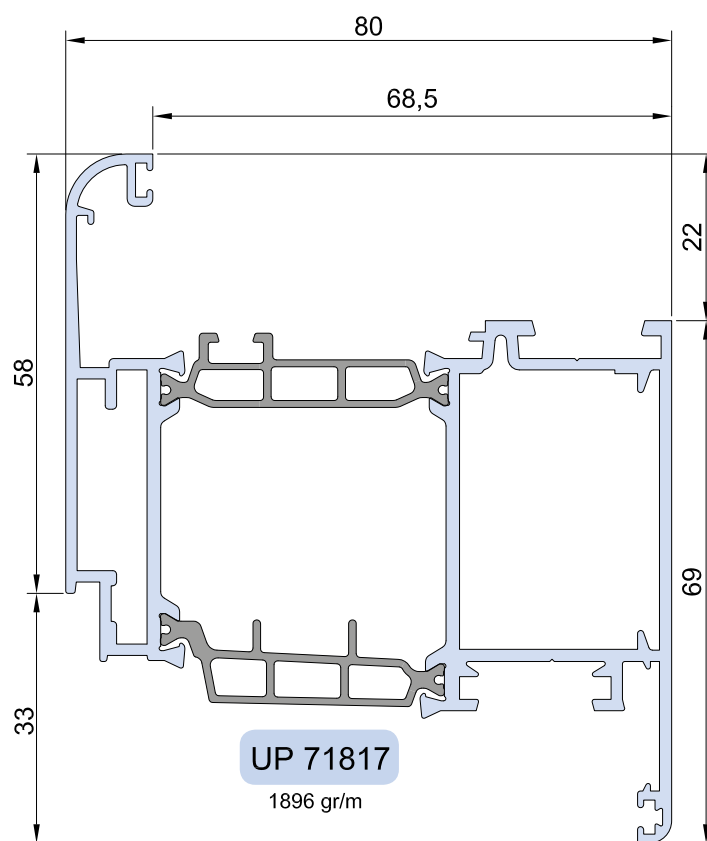
**PL 20126**

260 gr/m



**UP 71812**

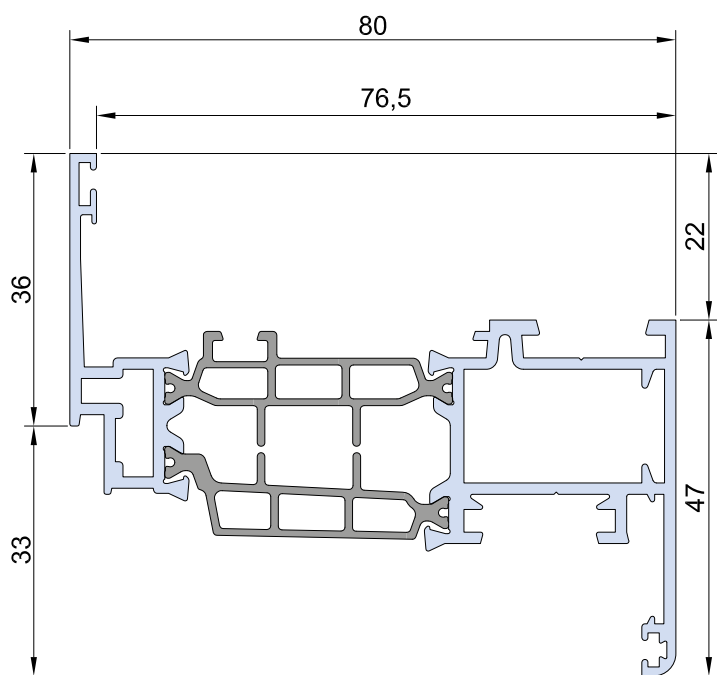
1431 gr/m



**UP 71817**

1896 gr/m

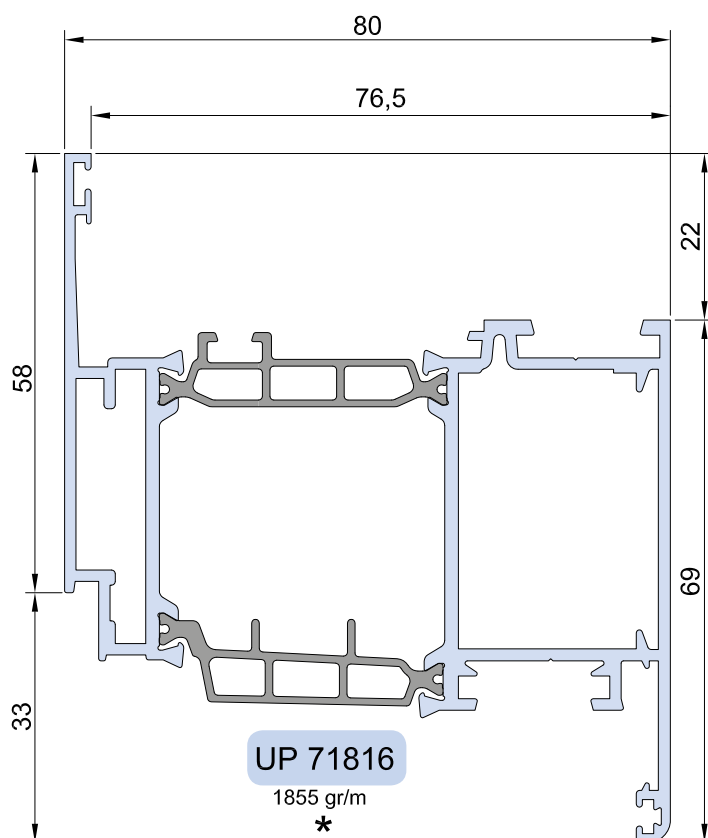
SAGOMARIO  
Profilo representation



**UP 71811**

1387 gr/m

\*

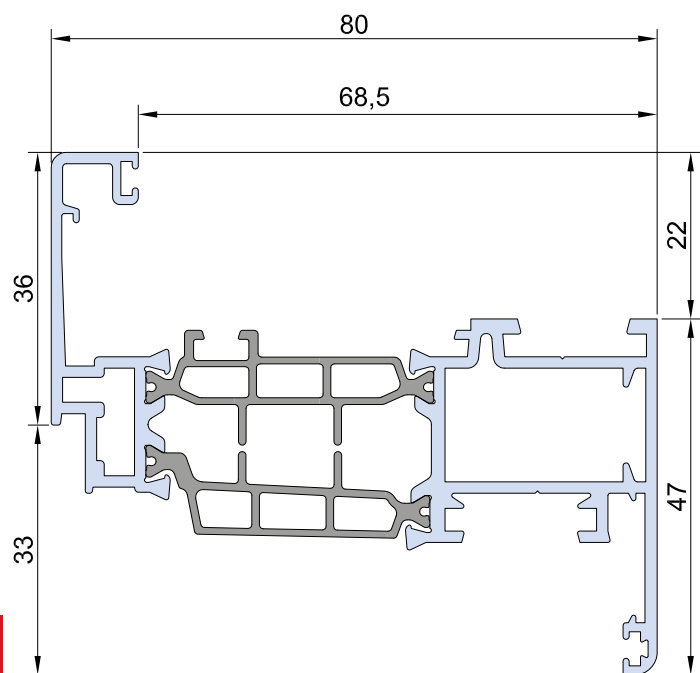


**UP 71816**

1855 gr/m

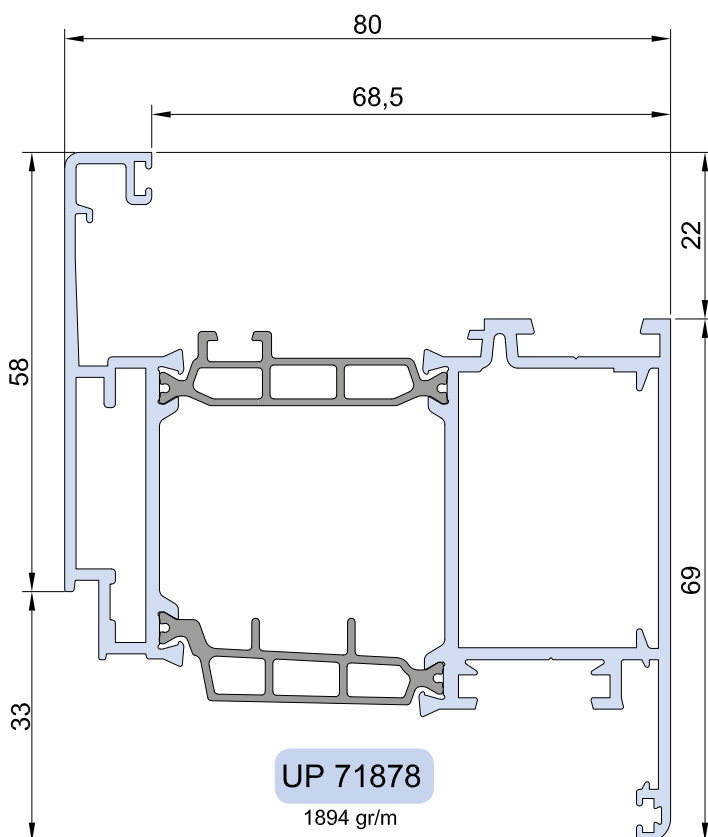
\*

\* Utilizzare sempre guarnizione vetro esterna AGP4014



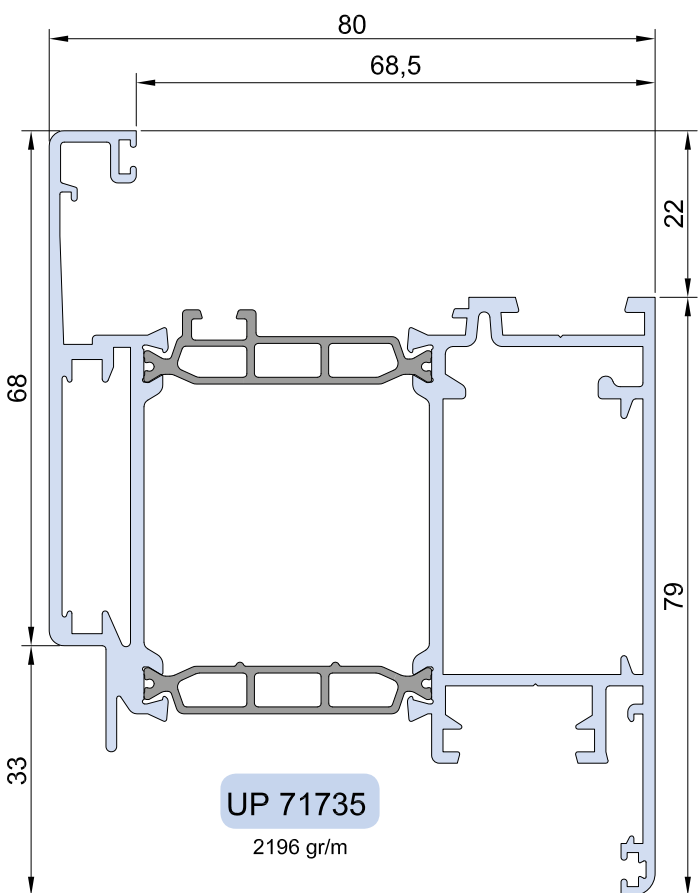
**UP 71877**

1438 gr/m



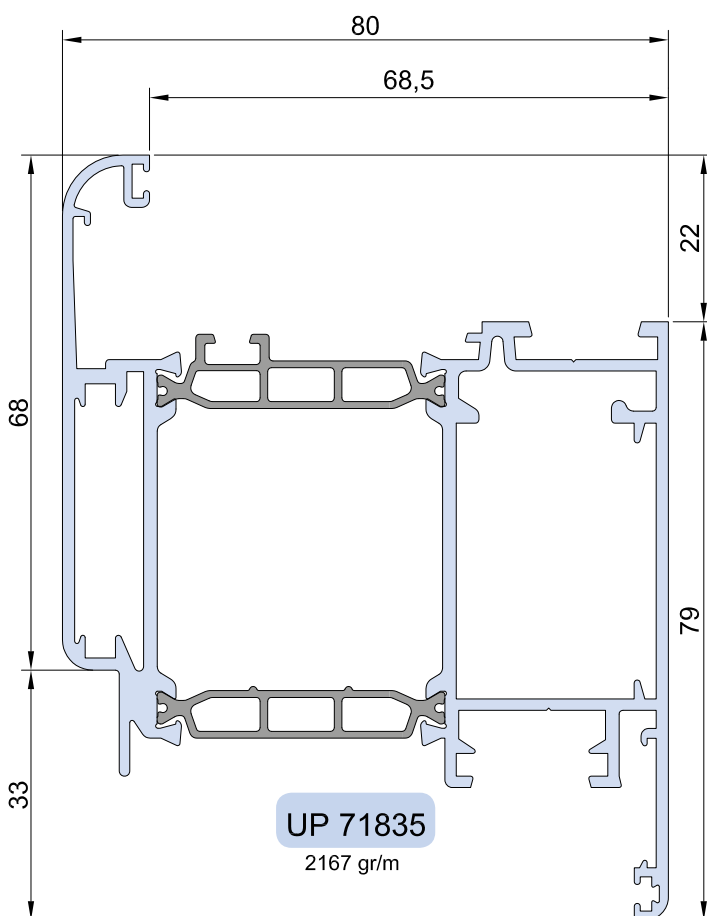
**UP 71878**

1894 gr/m



**UP 71735**

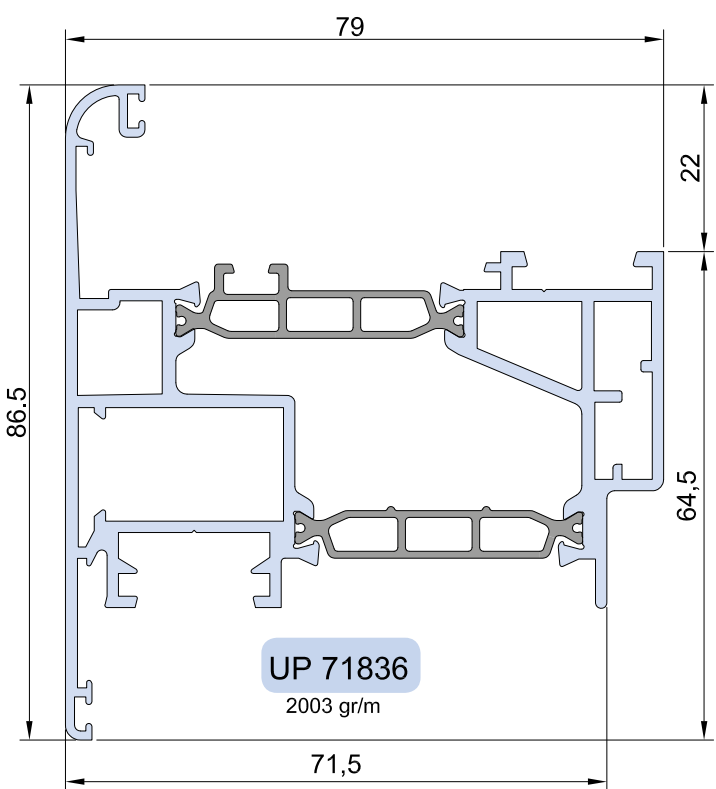
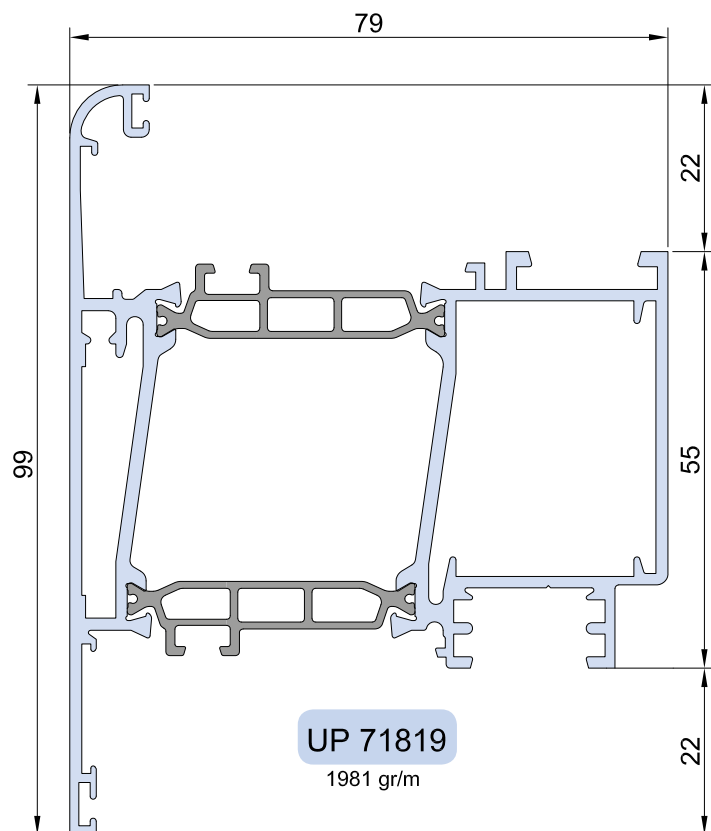
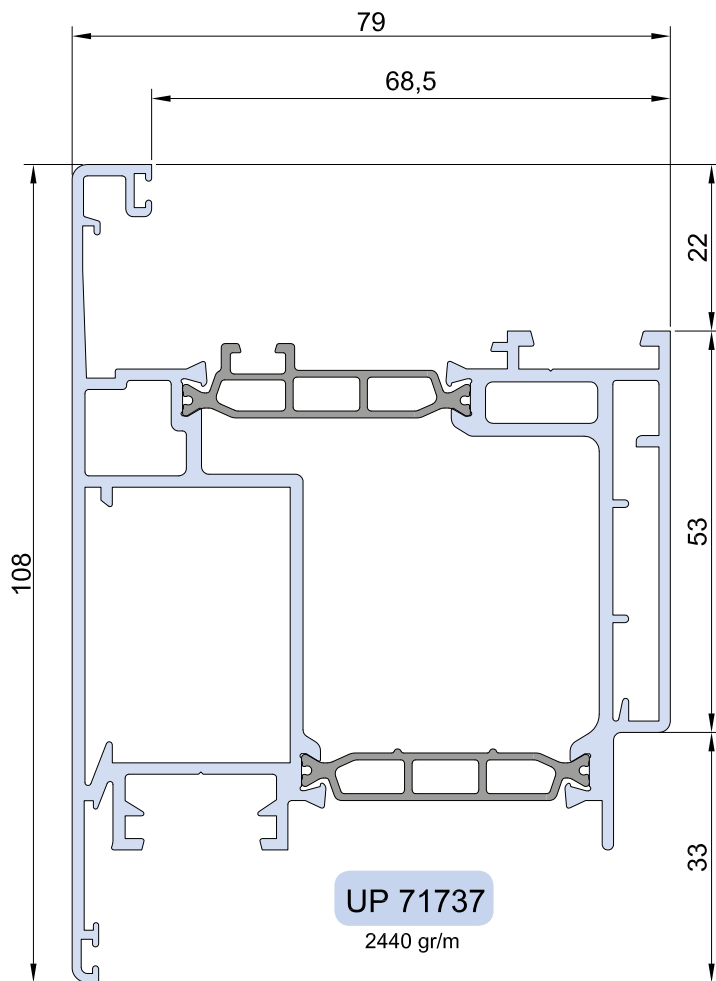
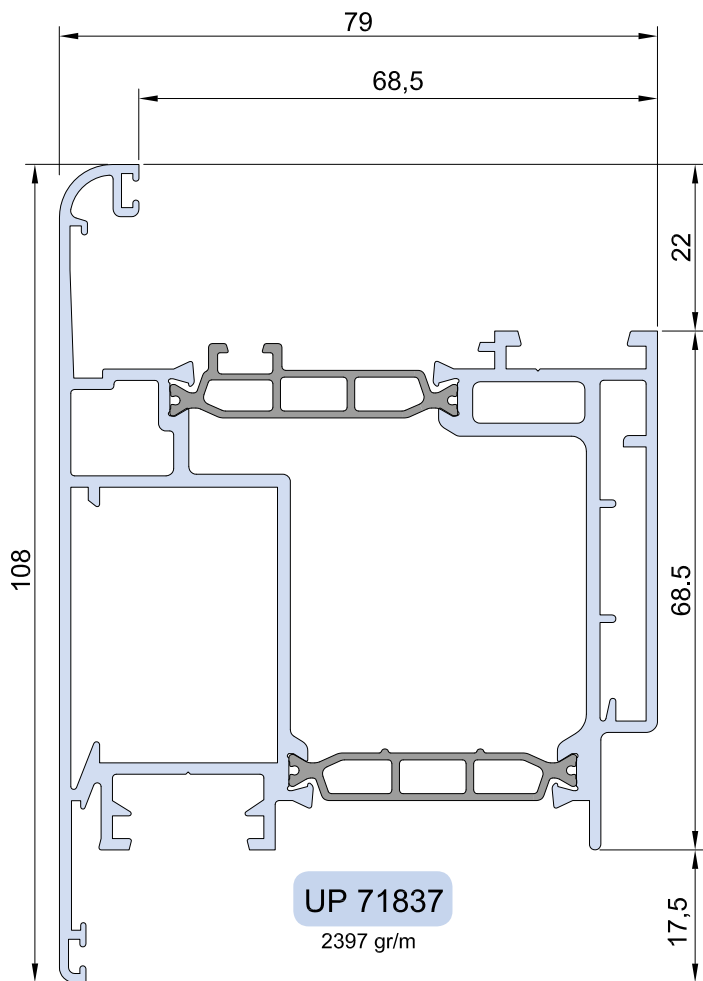
2196 gr/m



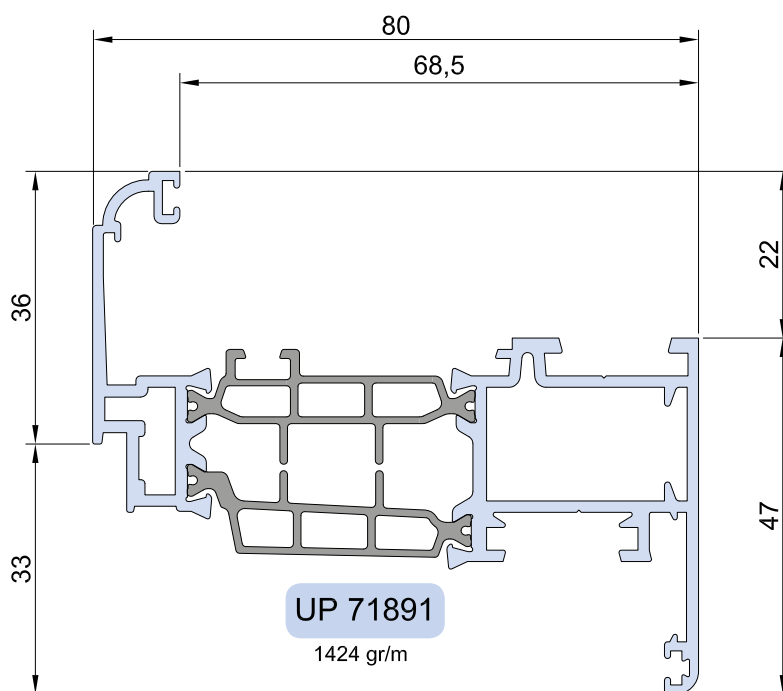
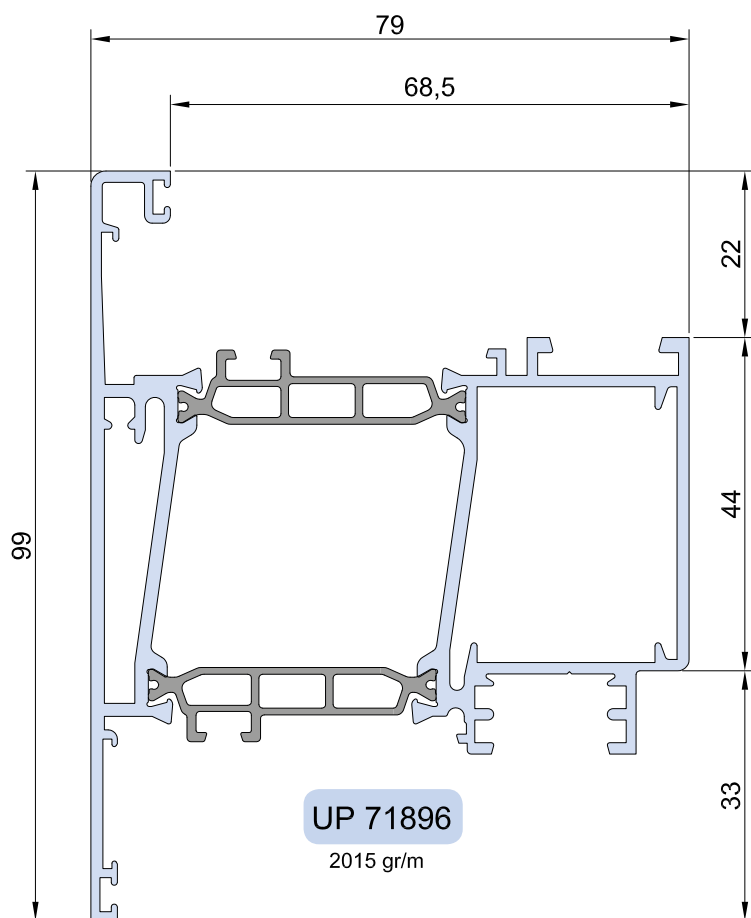
**UP 71835**

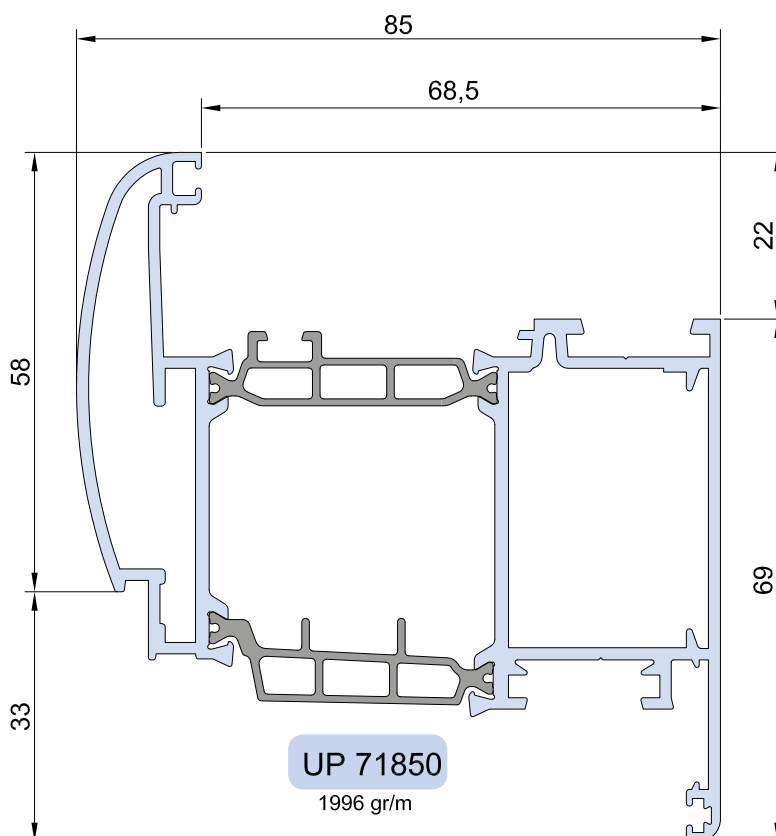
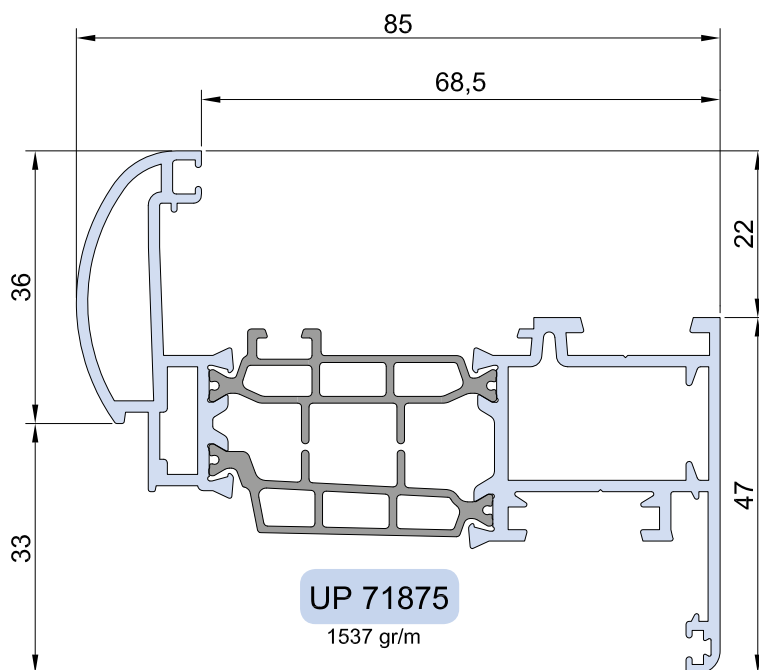
2167 gr/m

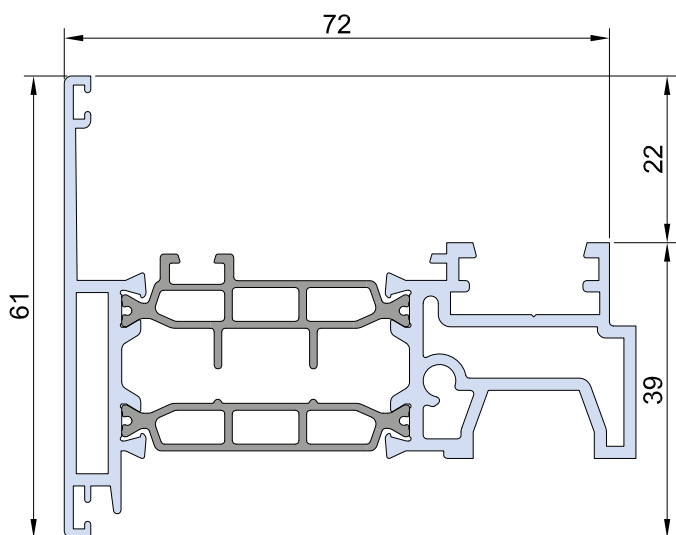




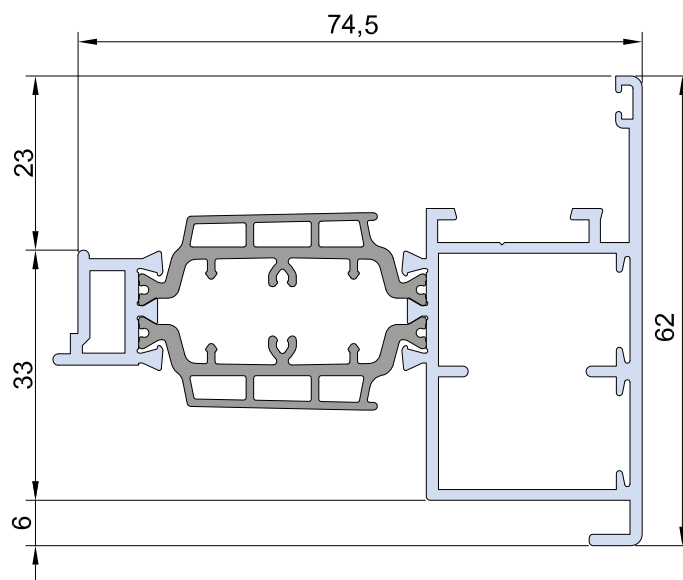
SAGOMARIO  
Profilo representation



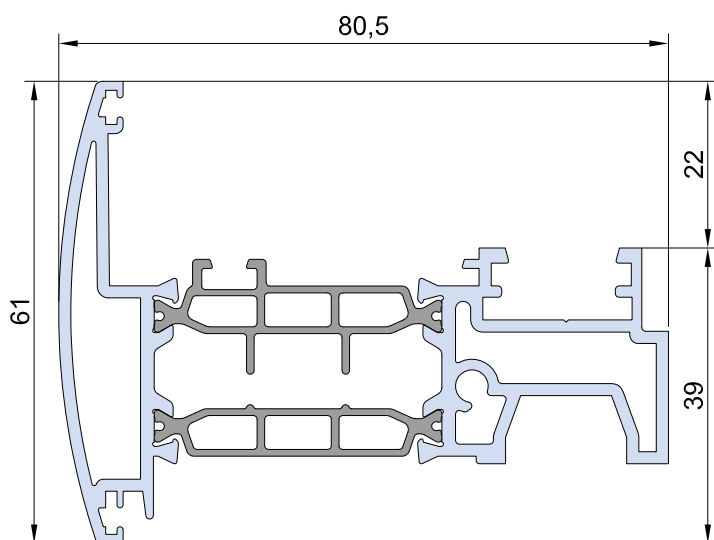




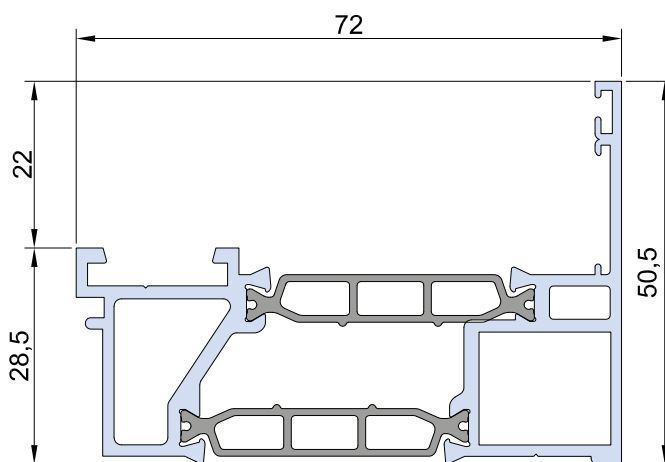
**UP 71813**  
1430 gr/m



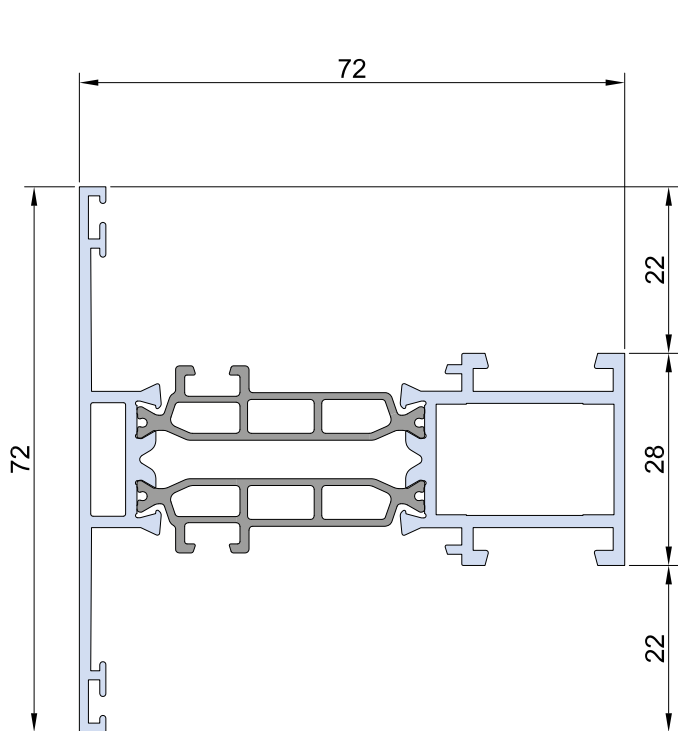
**TT 7120**  
1435 gr/m



**UP 71713**  
1564 gr/m

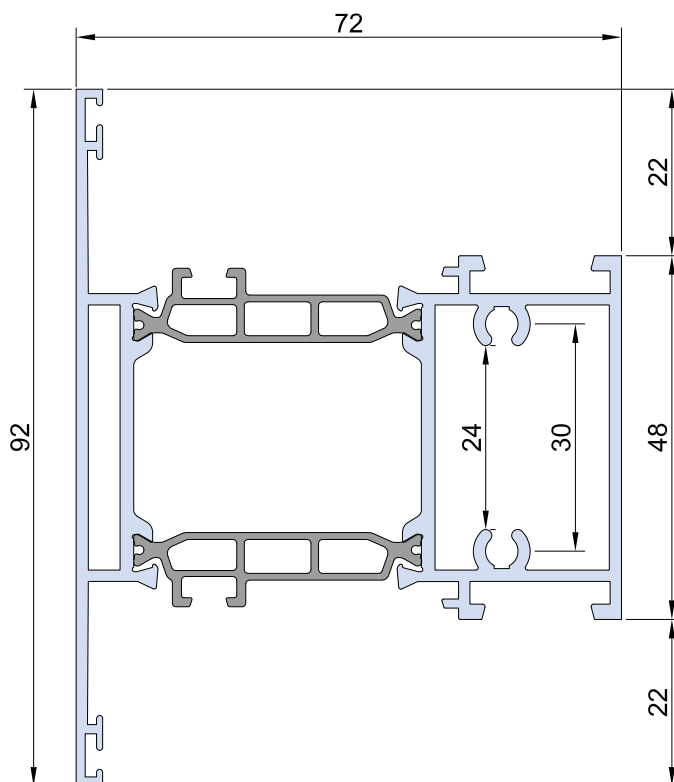


**UP 71723**  
1222 gr/m



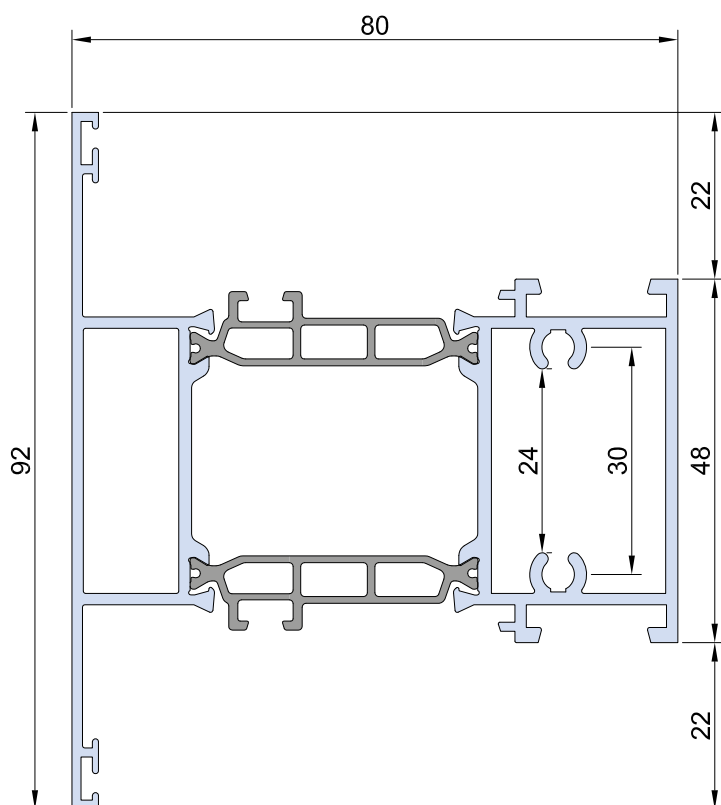
**UP 71828**

1252 gr/m



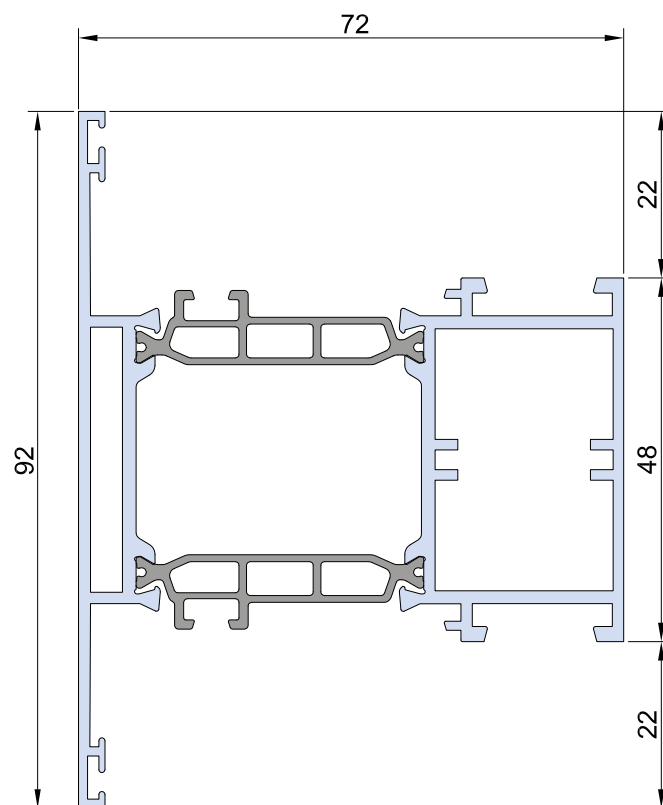
**UP 71738**

1744 gr/m



**UP 71839**

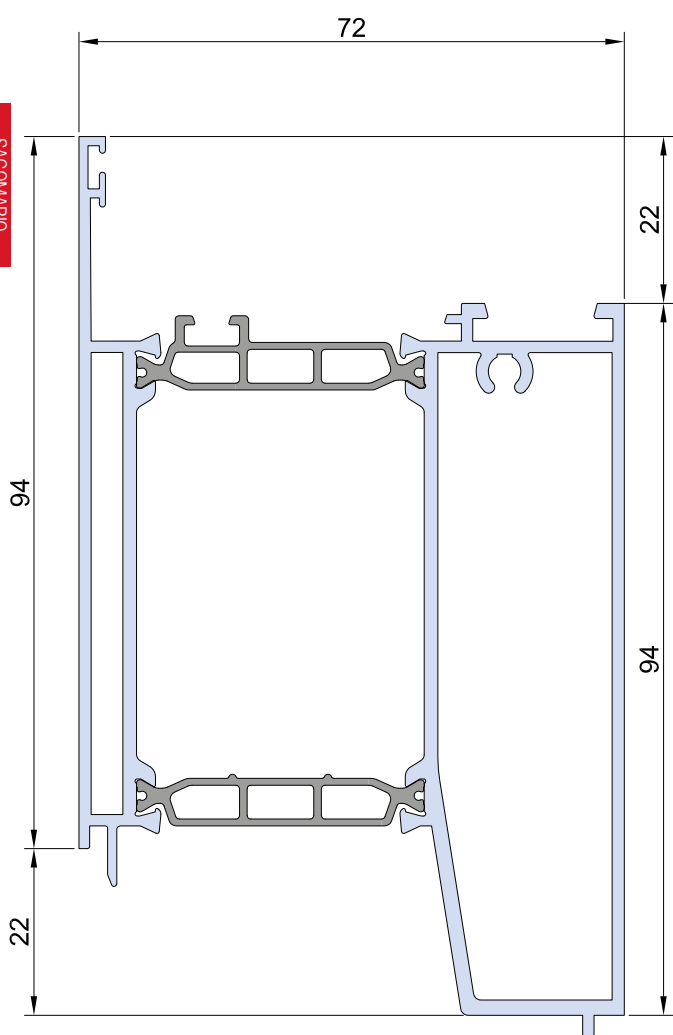
1809 gr/m



**UP 71838**

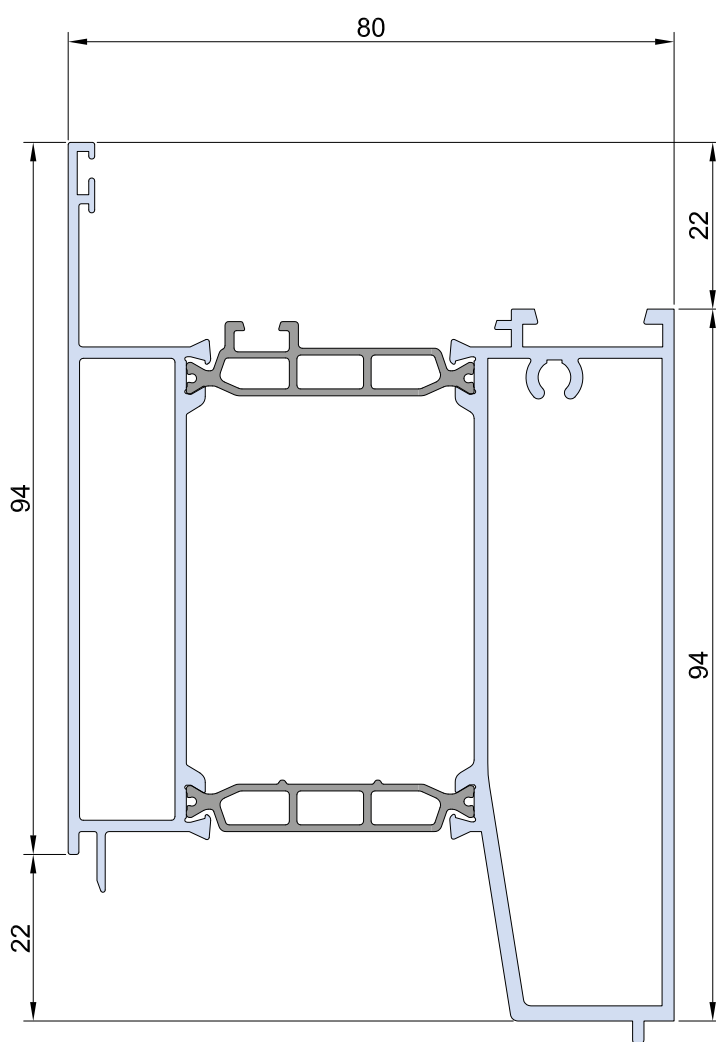
1678 gr/m

SAGOMARIO  
Profile representation



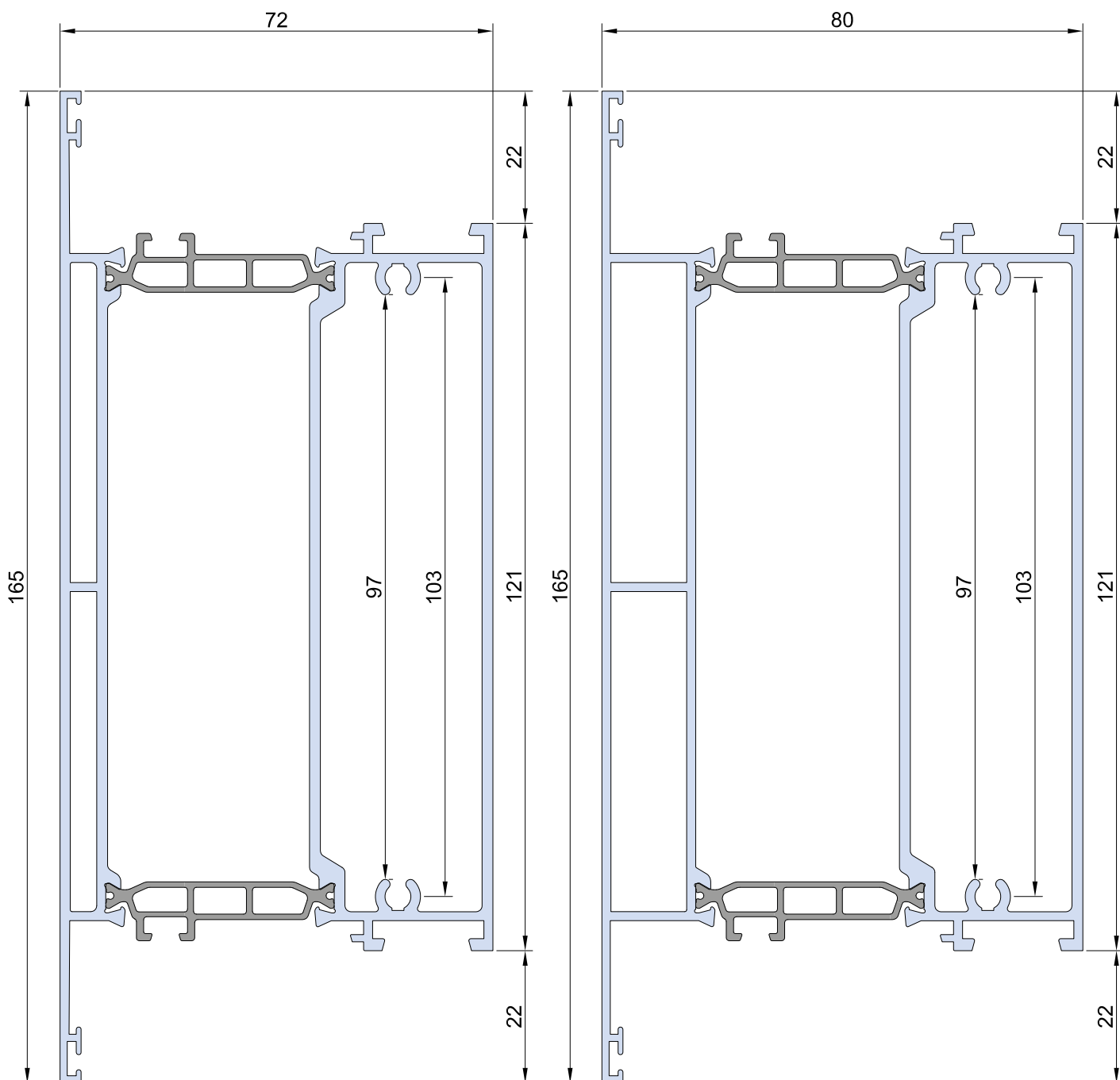
**UP 71847**

2265 gr/m



**UP 71848**

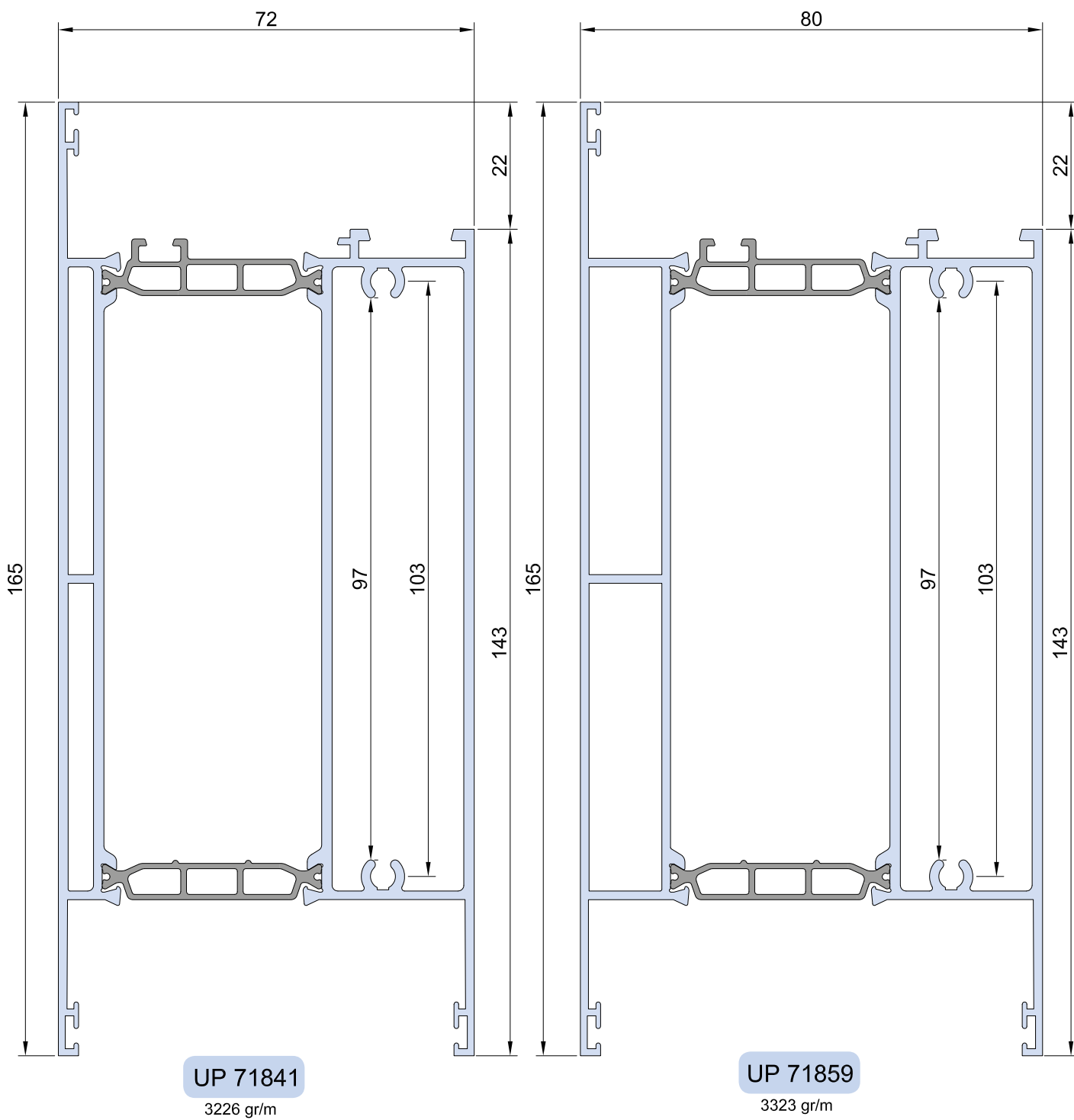
2330 gr/m



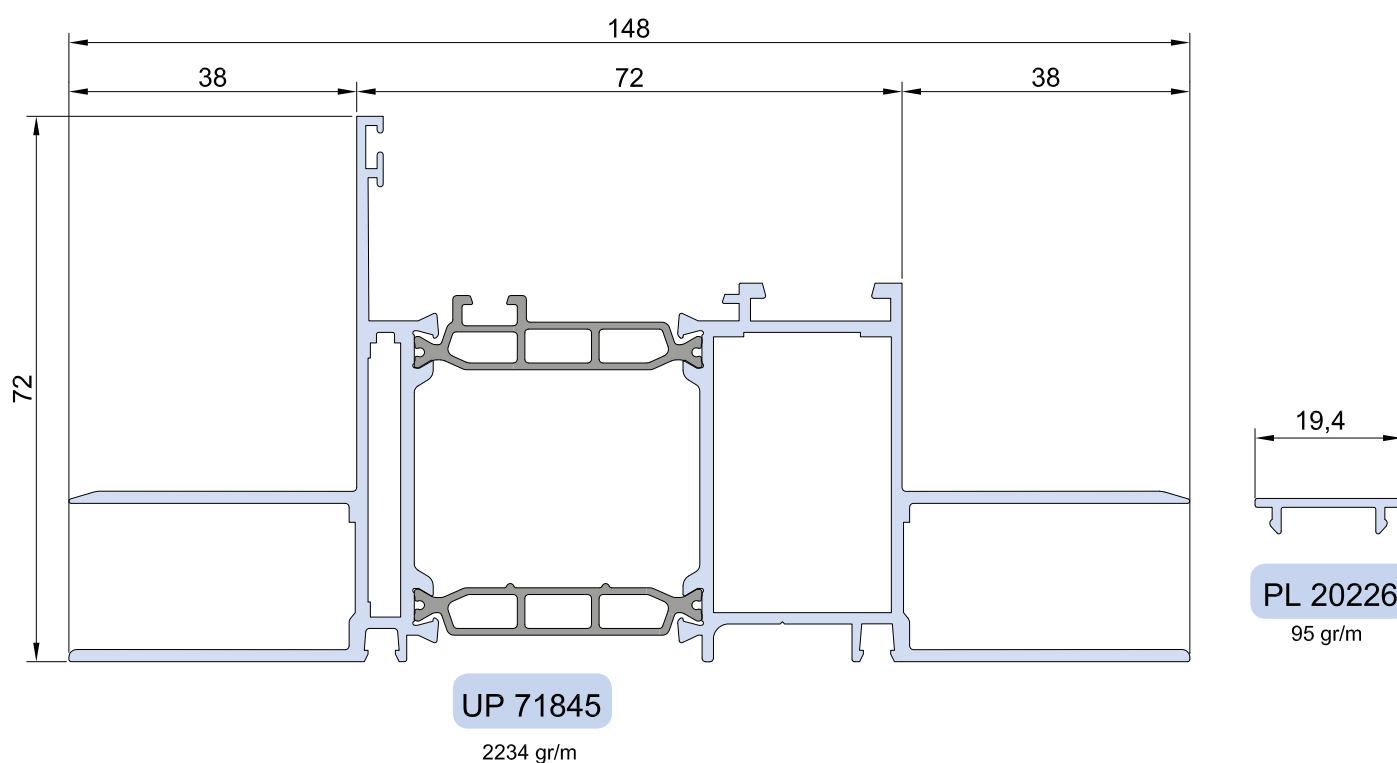
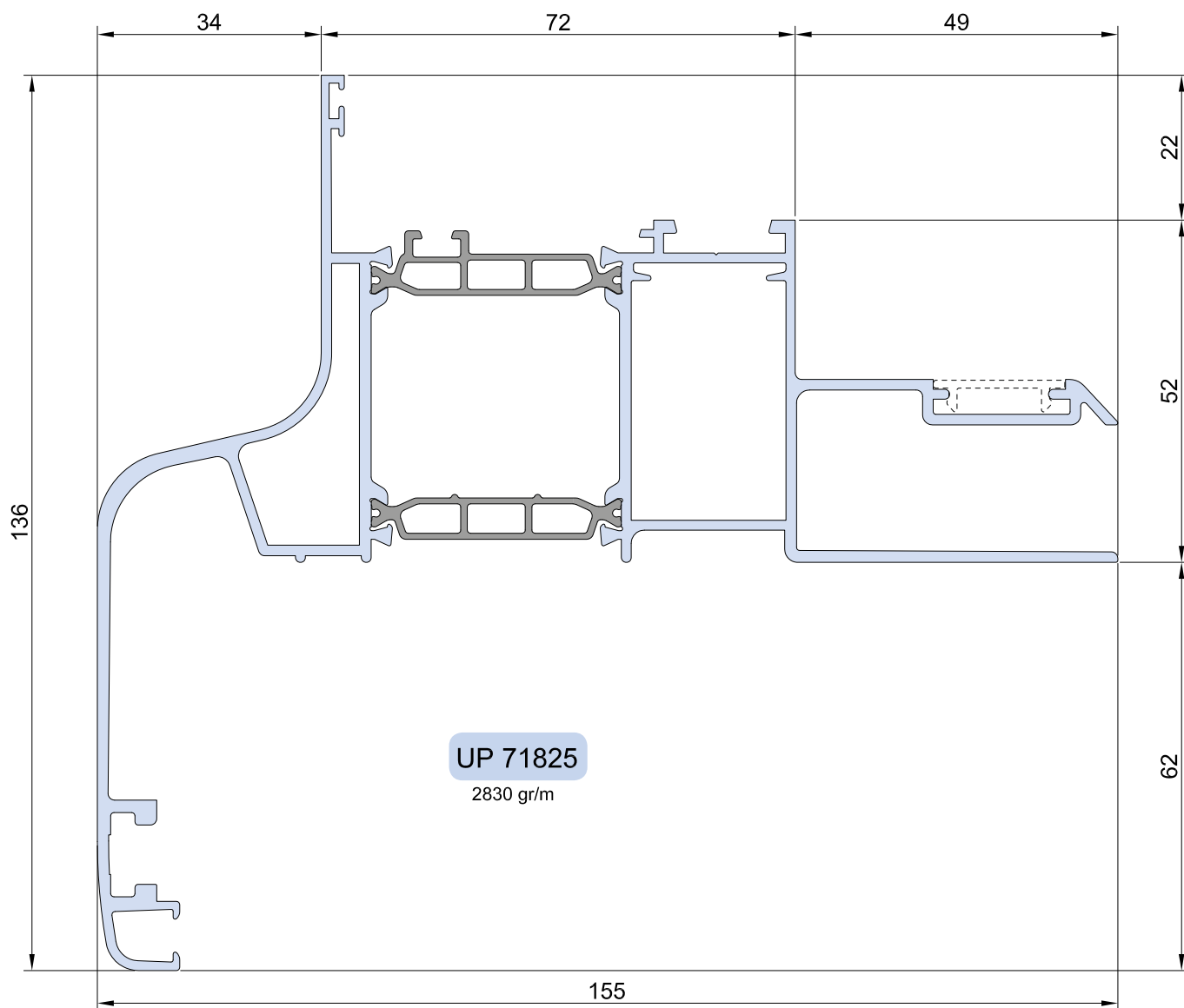
**UP 71840**  
3218 gr/m

**UP 71858**  
3315 gr/m

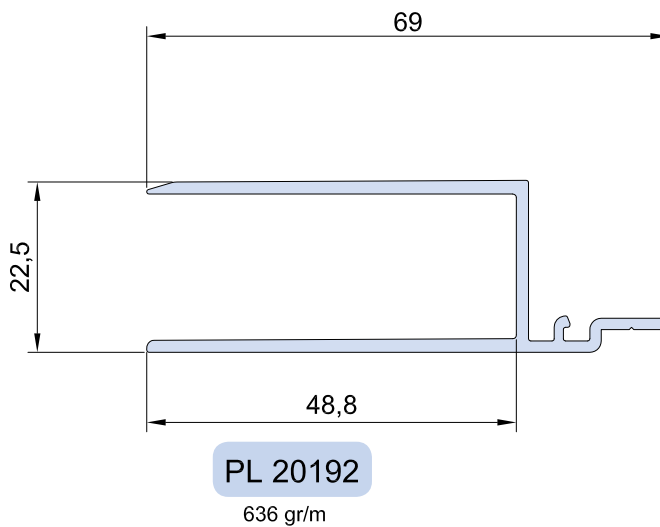
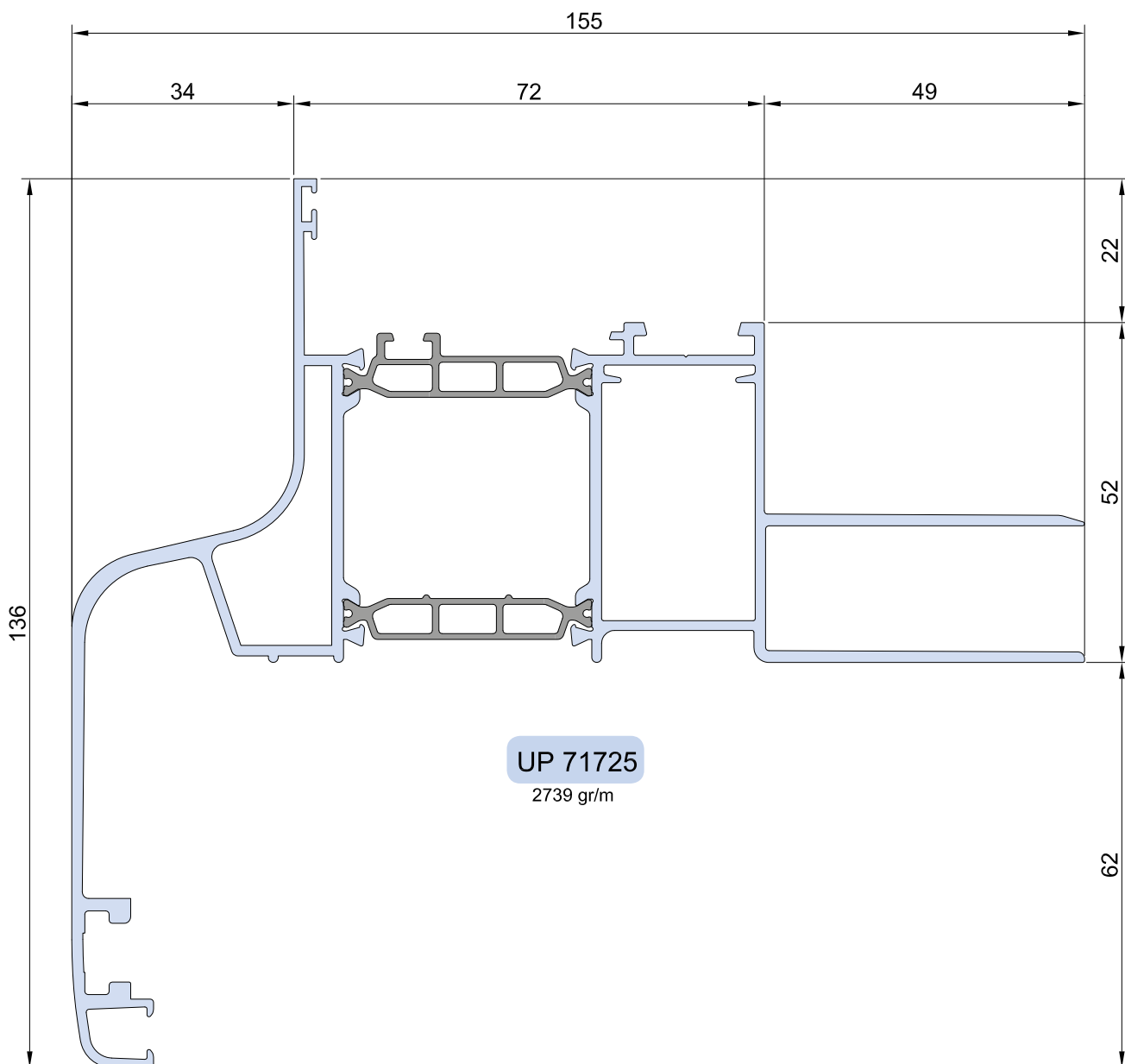
SAGOMARIO  
*Profile representation*

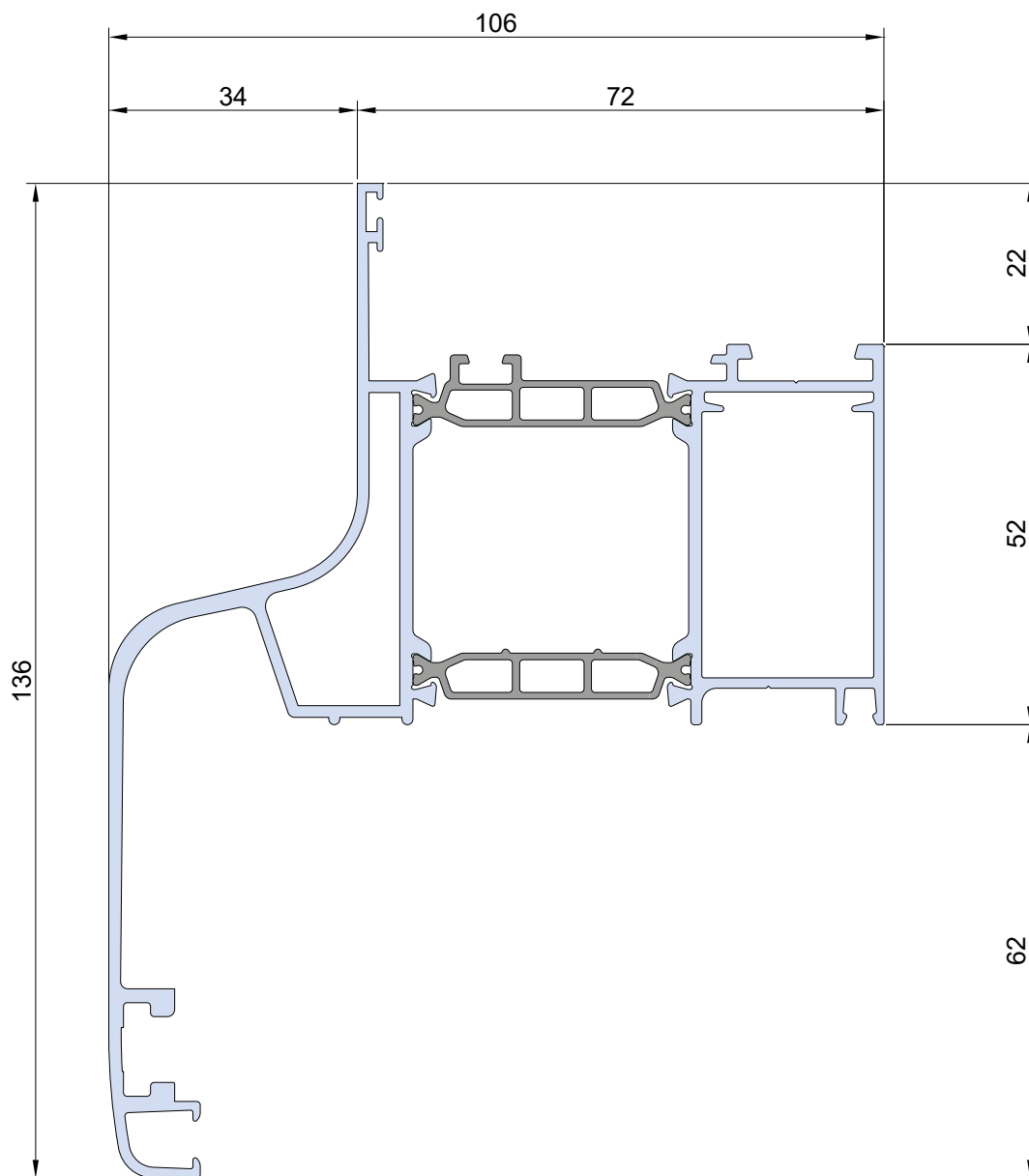






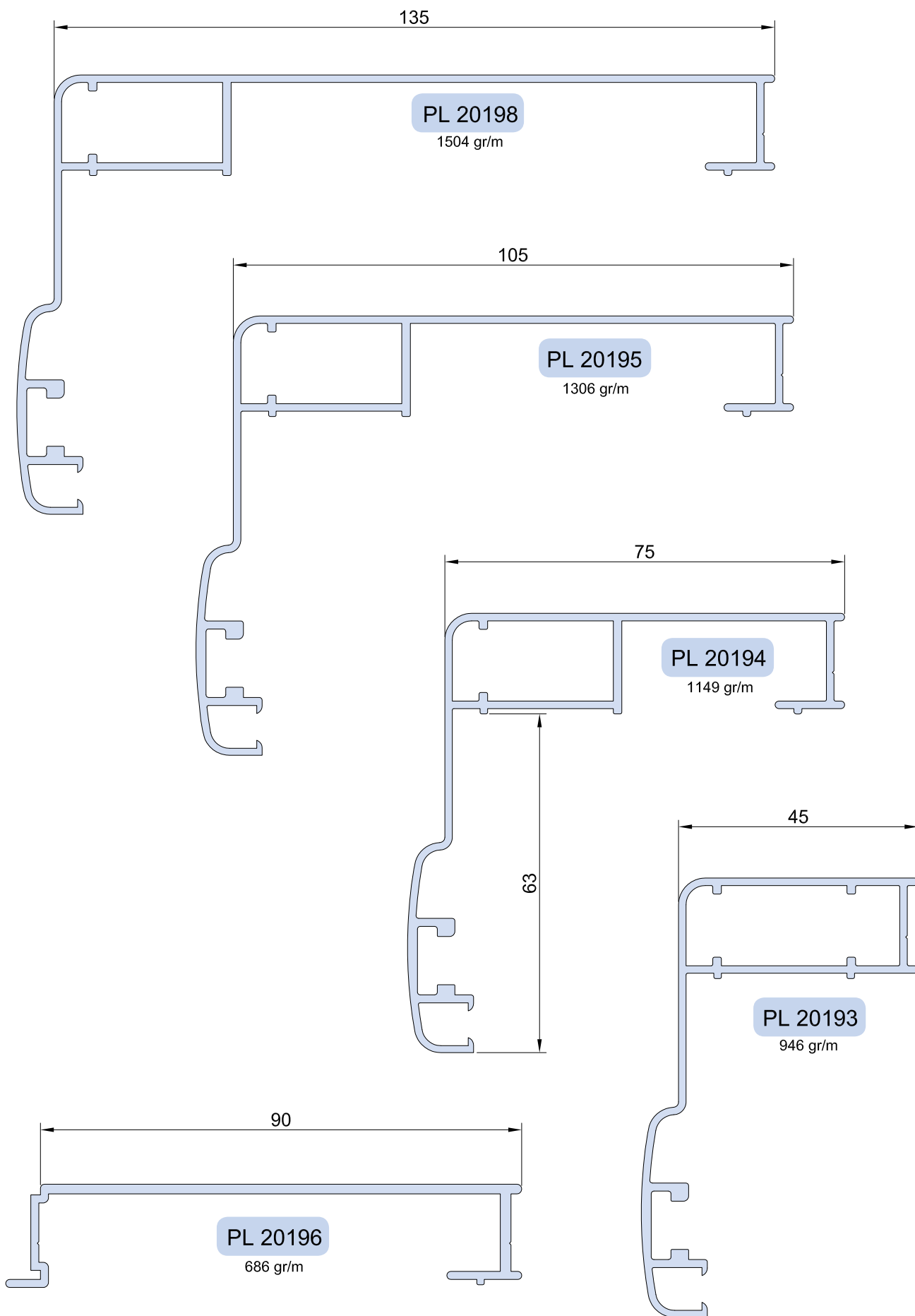
SAGOMARIO  
Profilo representation

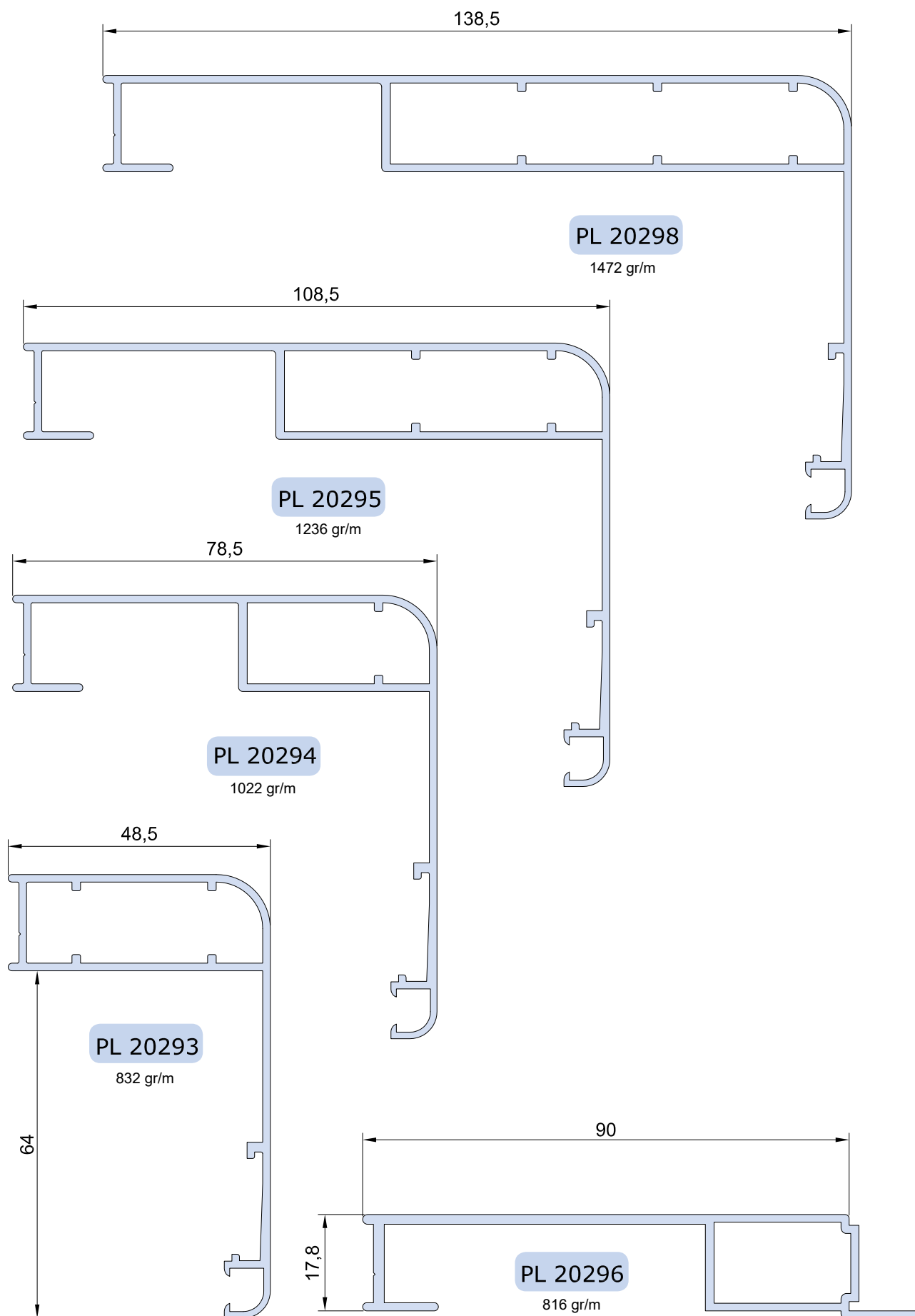


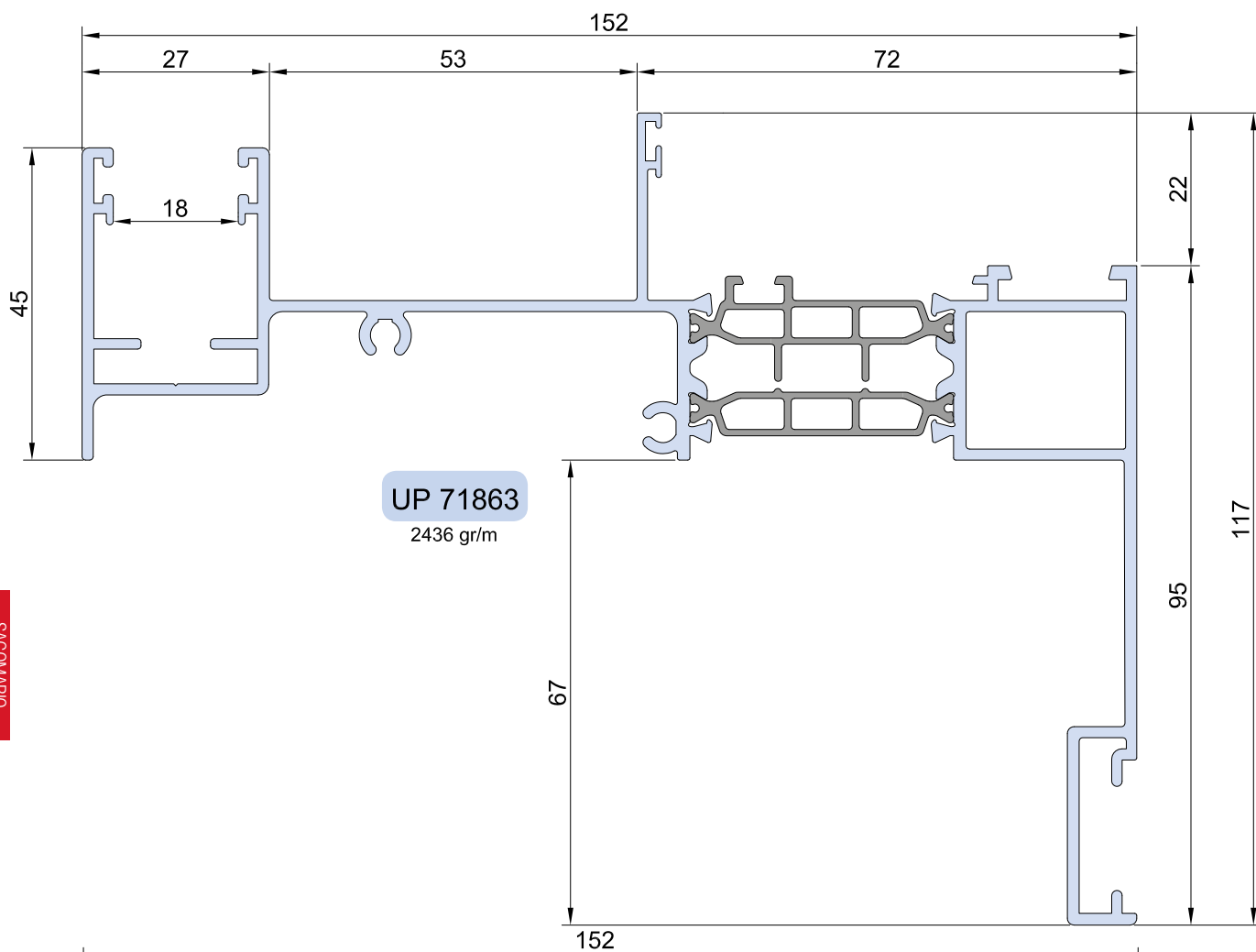


UP 71745

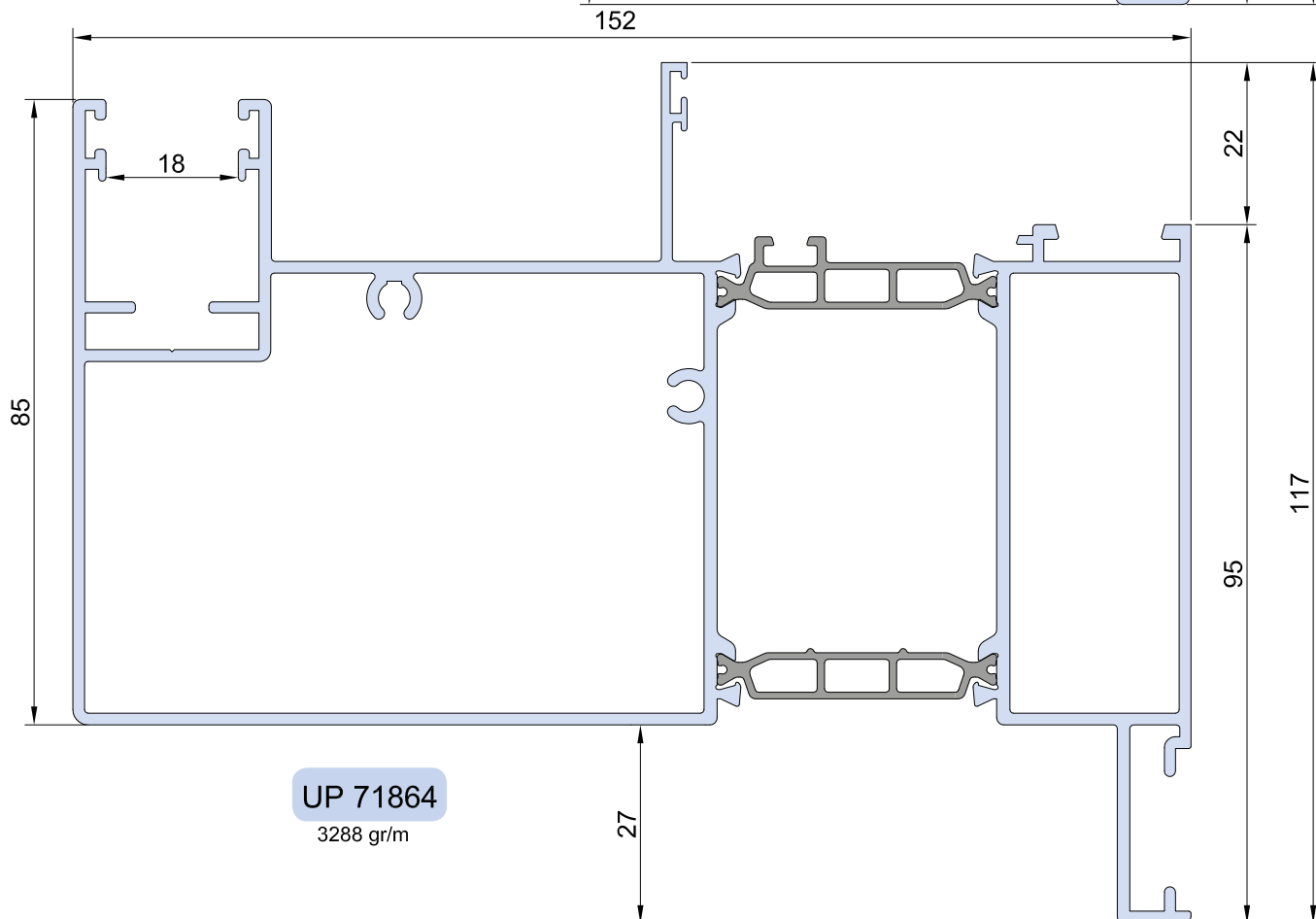
2296 gr/m

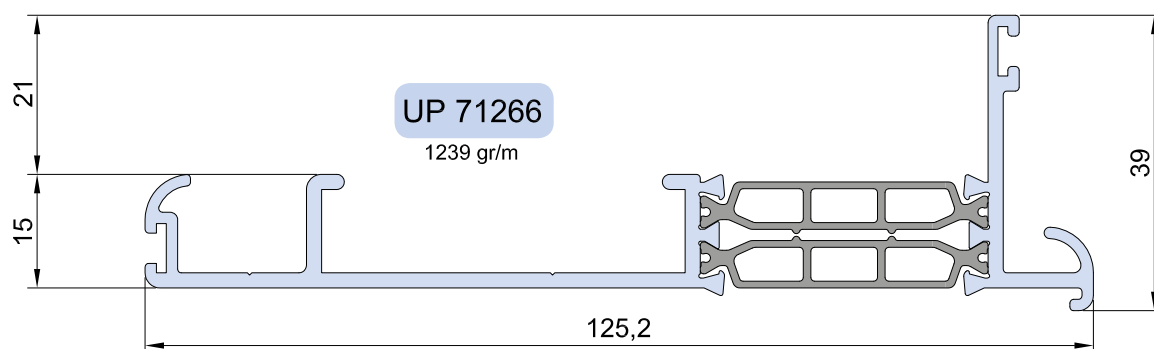
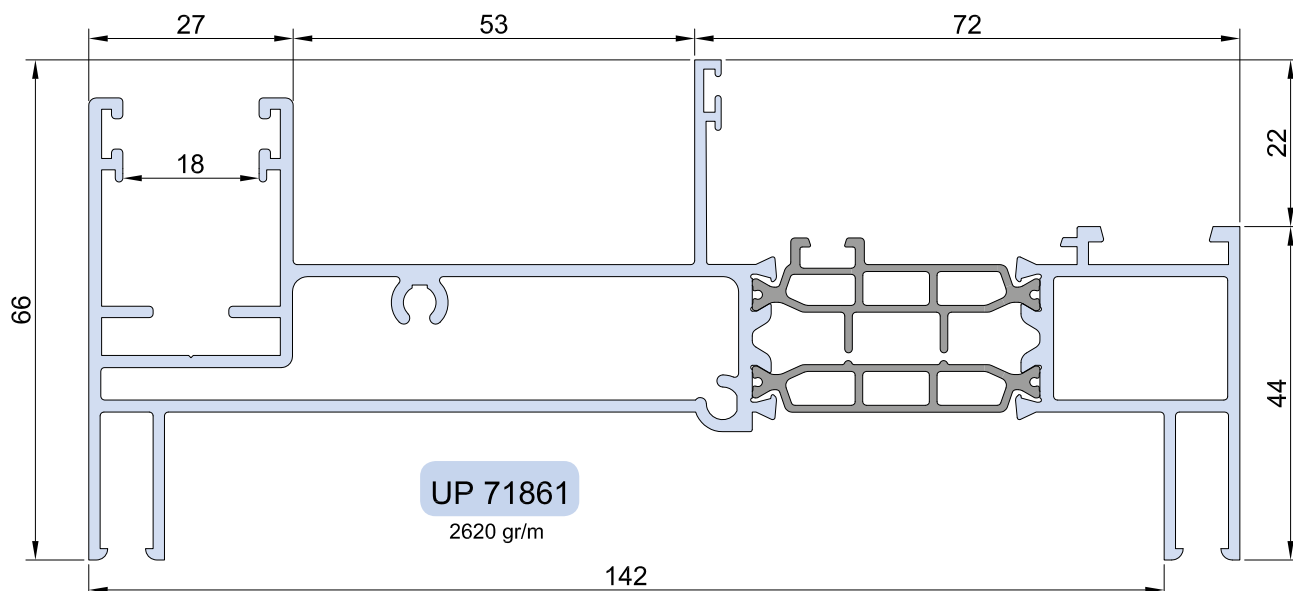
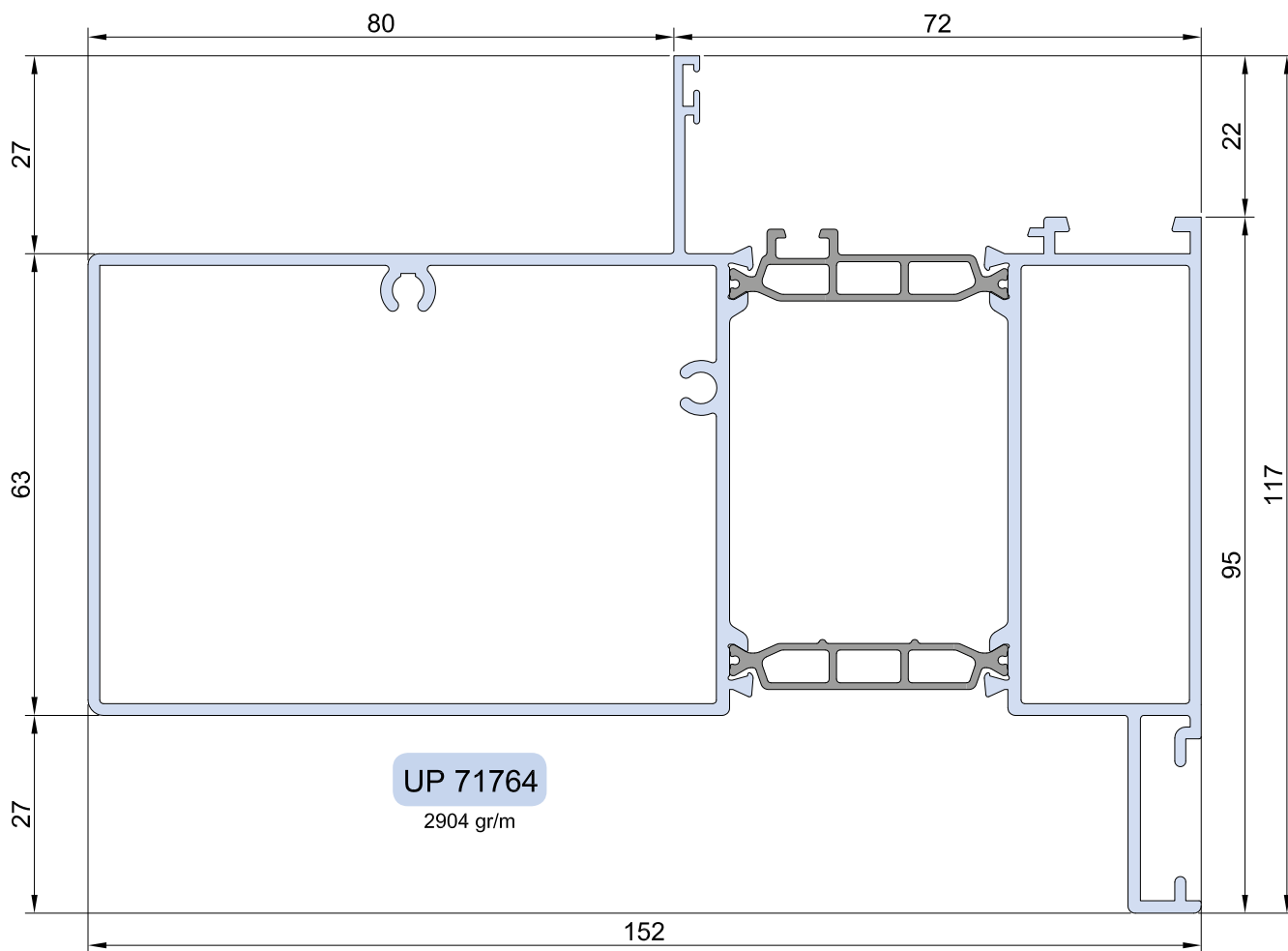


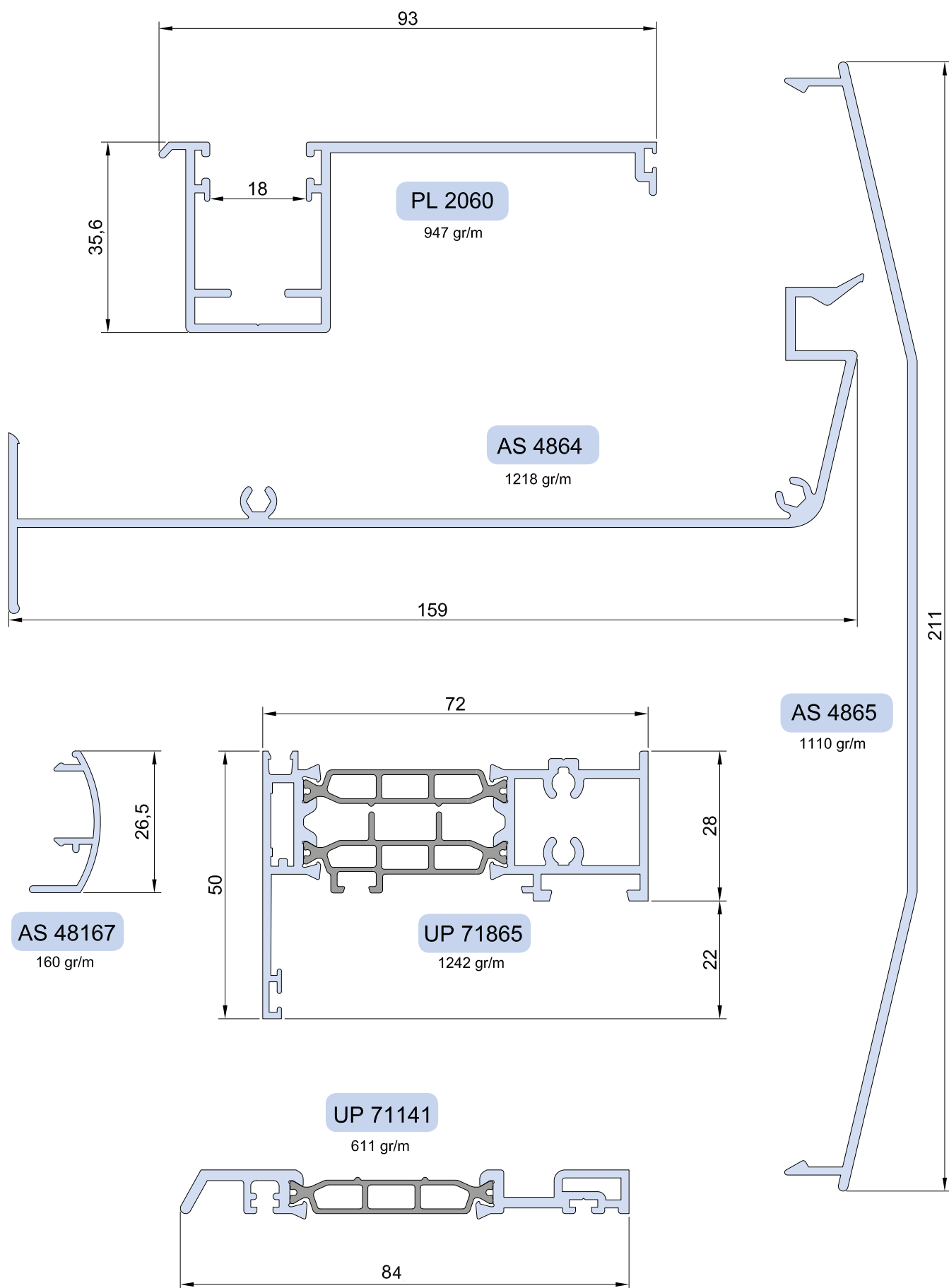




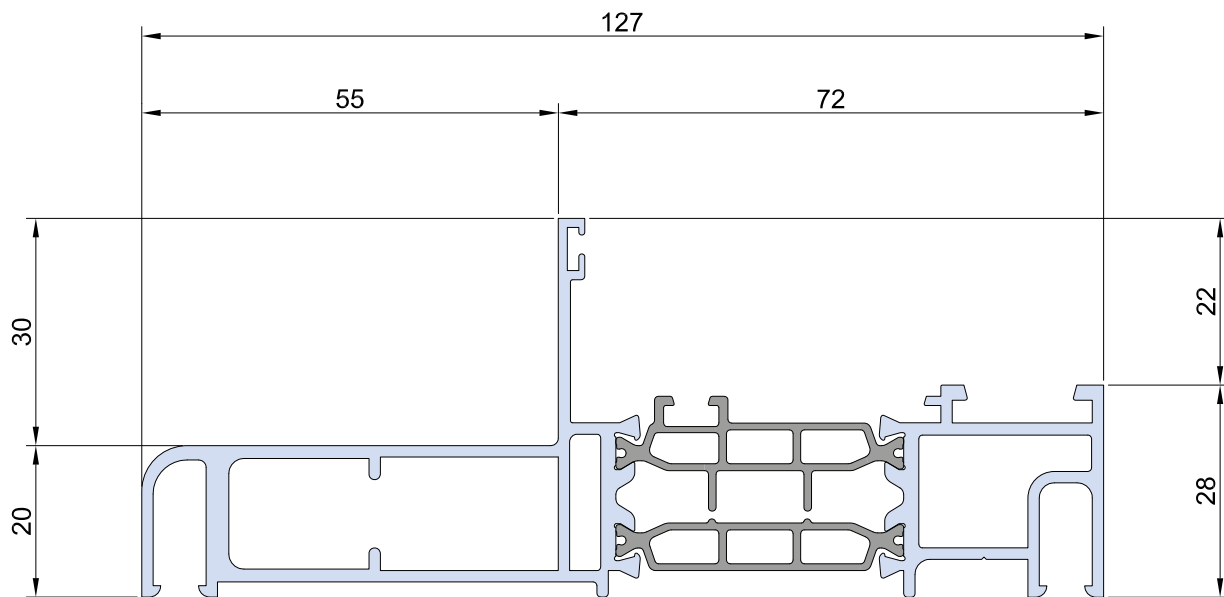
SAGOMARIO  
Profile representation





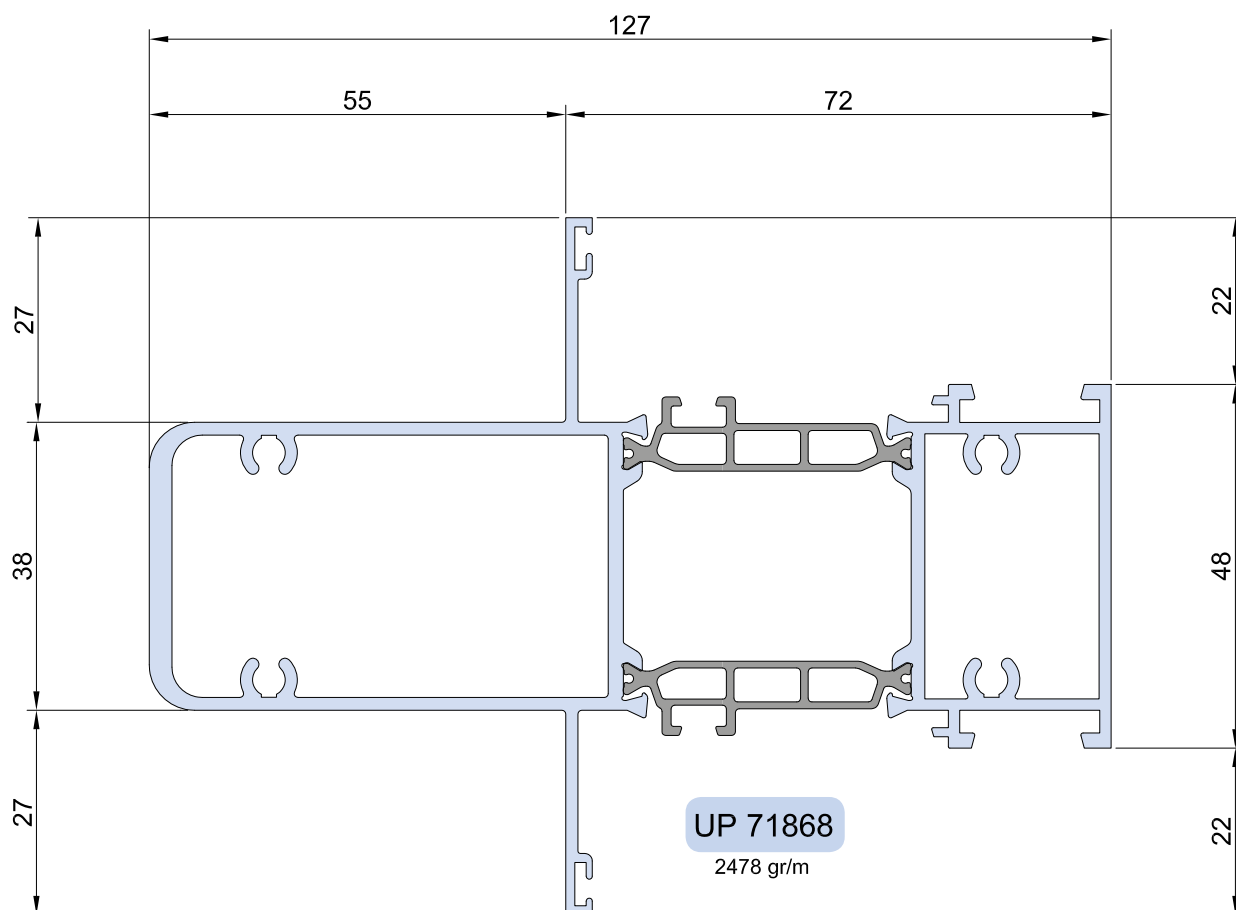






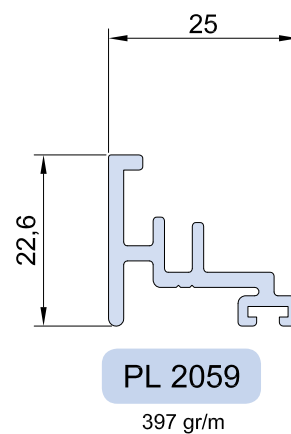
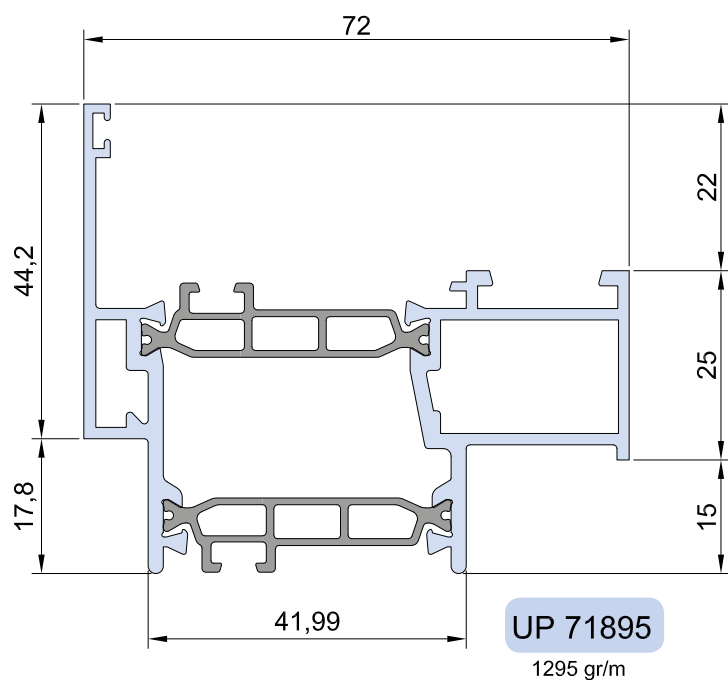
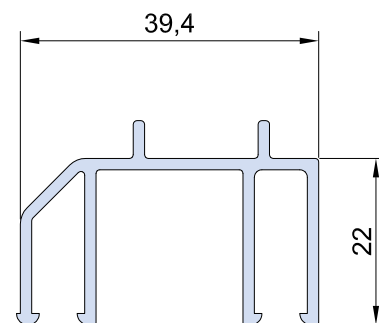
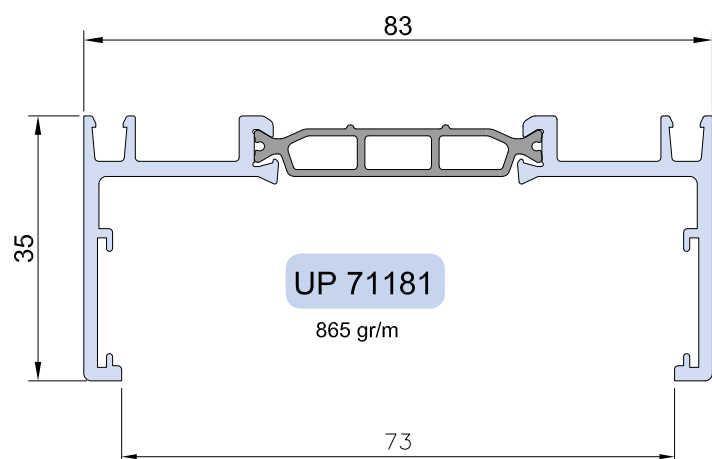
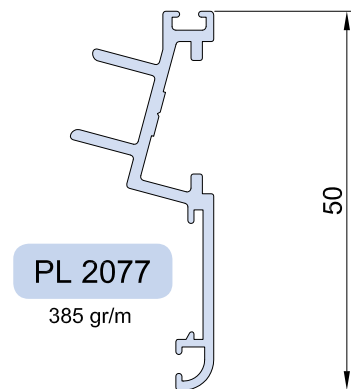
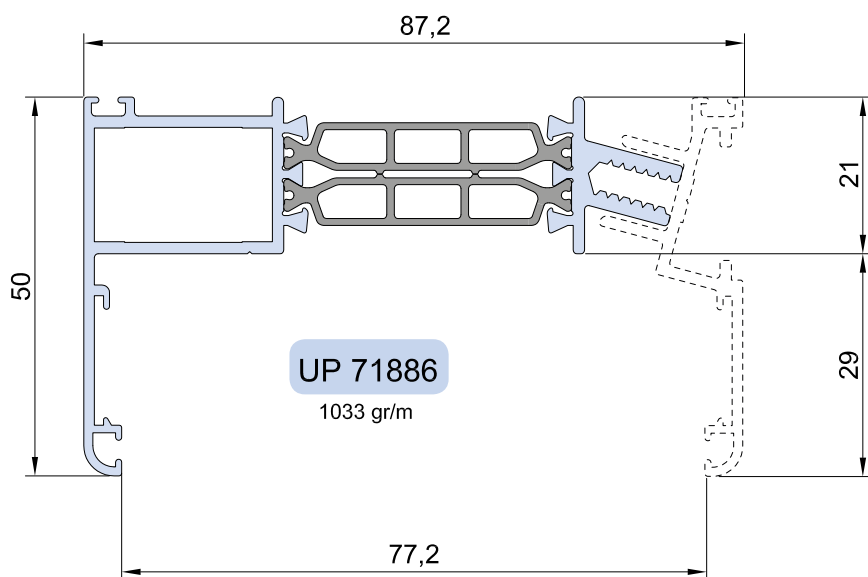
UP 71869

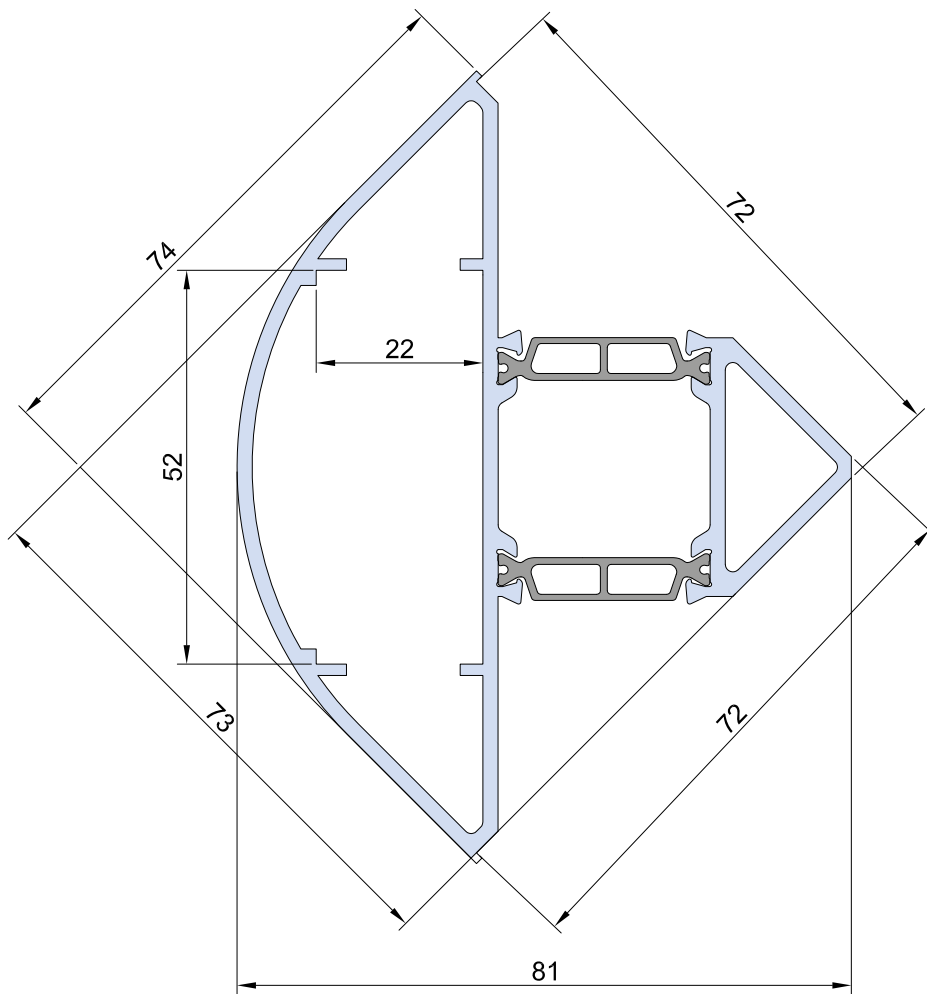
1897 gr/m



UP 71868

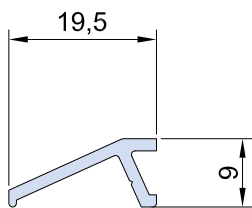
2478 gr/m





**UP 61899**

1999 gr/m

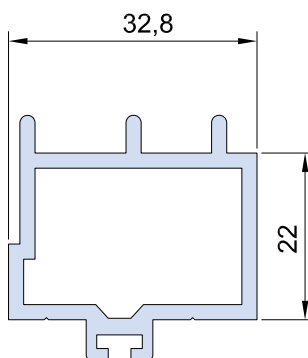
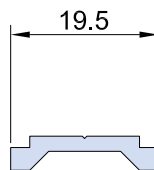


**PL 20100**

129 gr/m

**AS 1000**

119 gr/m

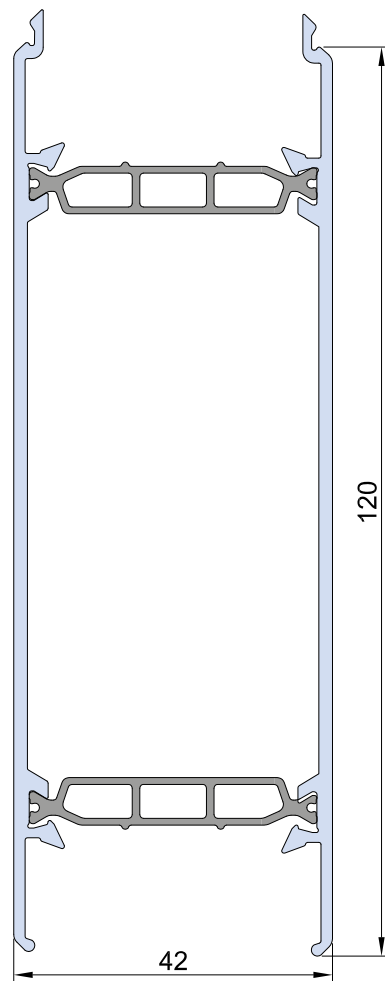
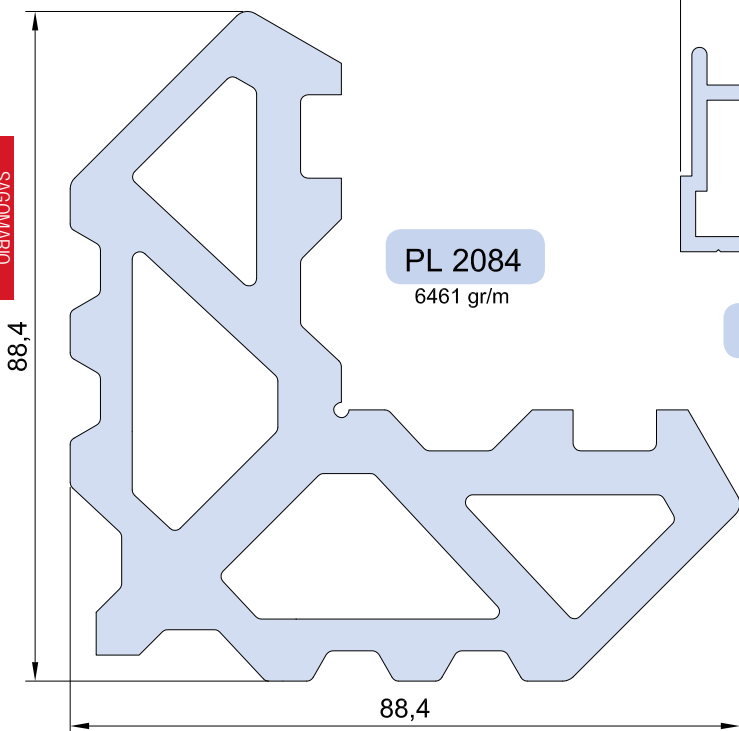


**PL 2055**

672 gr/m

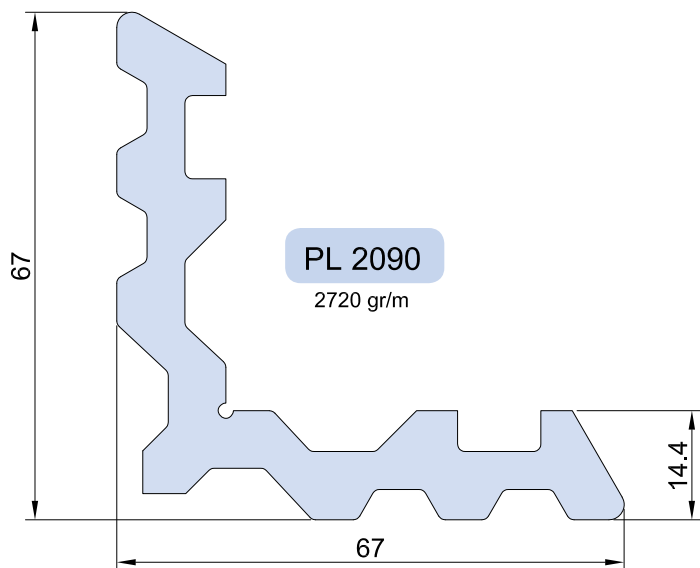
**PL 2084**

6461 gr/m



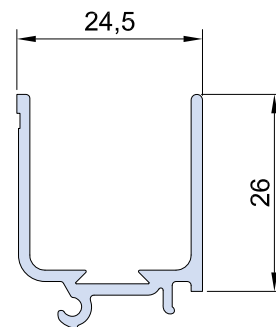
**UP 71780**

1516 gr/m



**PL 2090**

2720 gr/m

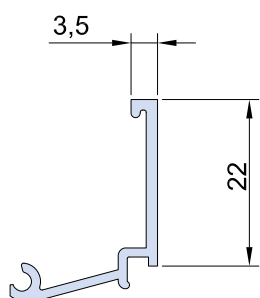


**PL 1325**

348 gr/m

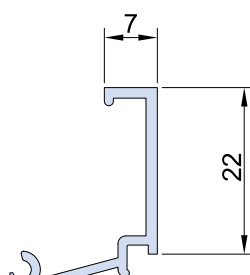
\*

**\* UTILIZZARE SEMPRE GOMMINO ACP5027**



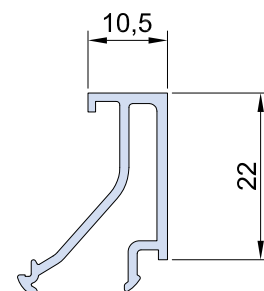
**PL 1404**

190 gr/m  
\*



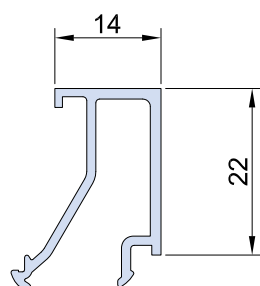
**PL 1407**

206 gr/m  
\*



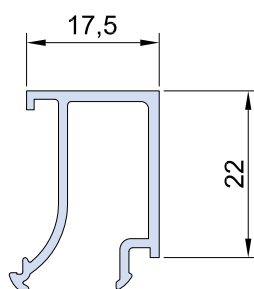
**PL 1411**

252 gr/m



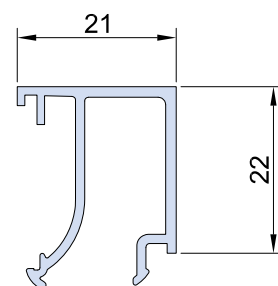
**PL 1414**

257 gr/m



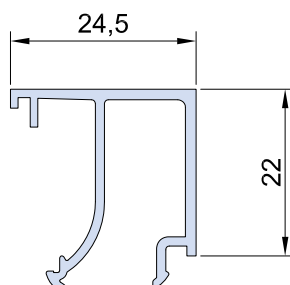
**PL 1418**

268 gr/m



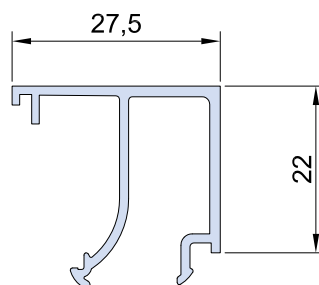
**PL 1421**

290 gr/m



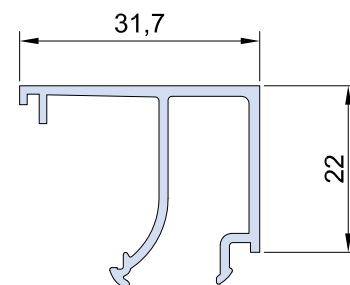
**PL 1425**

304 gr/m



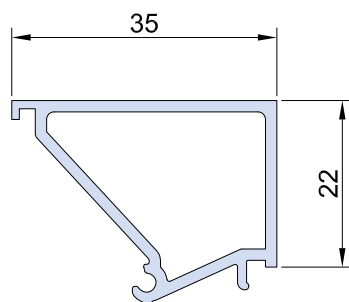
**PL 1428**

312 gr/m



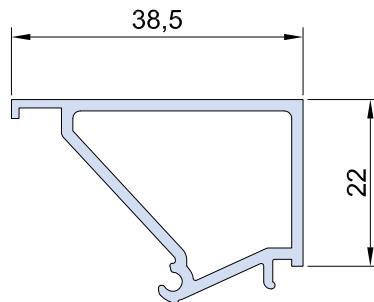
**PL 1432**

331 gr/m



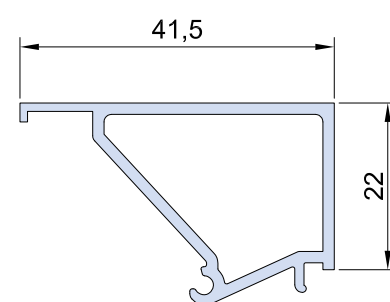
**PL 1435**

434 gr/m  
\*



**PL 1439**

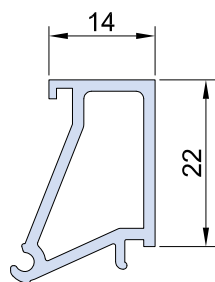
445 gr/m  
\*



**PL 1442**

454 gr/m  
\*

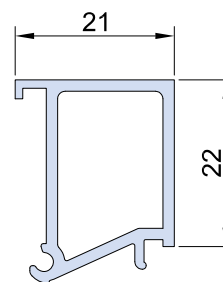
\* UTILIZZARE SEMPRE GOMMINO ACP5027



PL 14214

329 gr/m

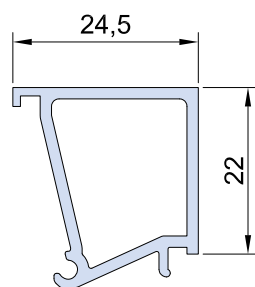
\*



PL 14221

353 gr/m

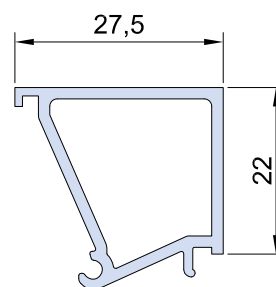
\*



PL 14225

370 gr/m

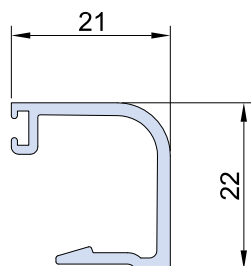
\*



PL 14228

389 gr/m

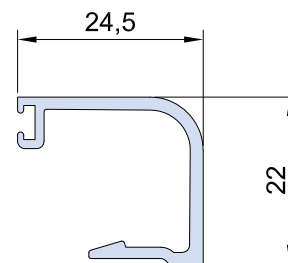
\*



PL 15221

259 gr/m

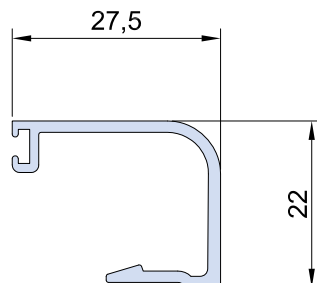
#



PL 15225

275 gr/m

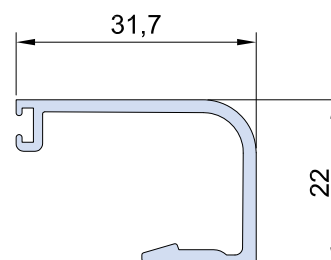
#



PL 15228

272 gr/m

#

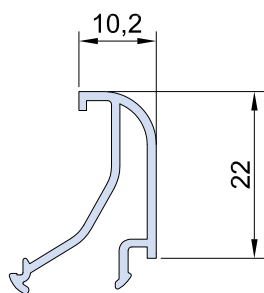


PL 15232

305 gr/m

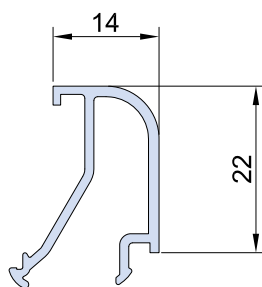
#

\* UTILIZZARE SEMPRE GOMMINO ACP5027  
# UTILIZZARE SEMPRE CLIP ACP 50122



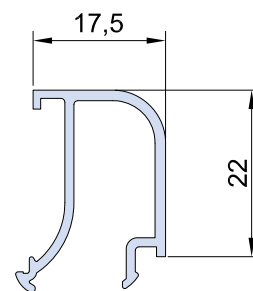
**PL 1511**

238 gr/m



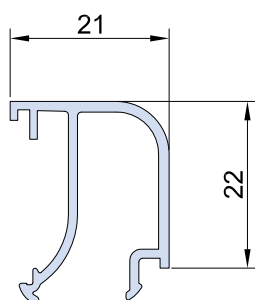
**PL 1514**

247 gr/m



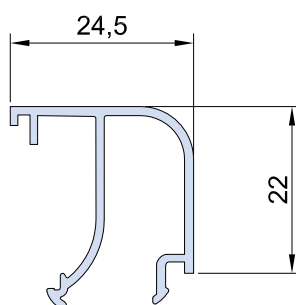
**PL 1518**

257 gr/m



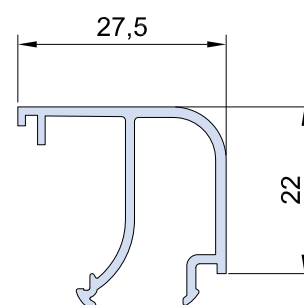
**PL 1521**

279 gr/m



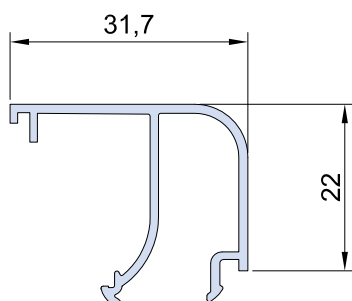
**PL 1525**

290 gr/m



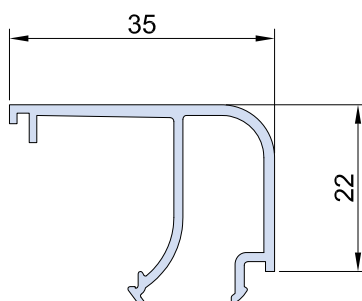
**PL 1528**

301 gr/m



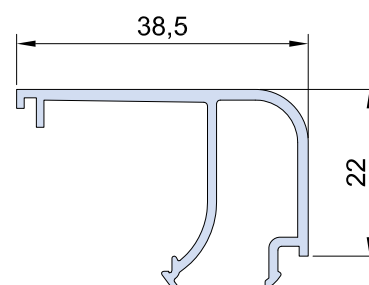
**PL 1532**

317 gr/m



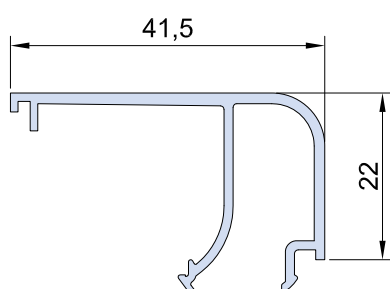
**PL 1535**

337 gr/m



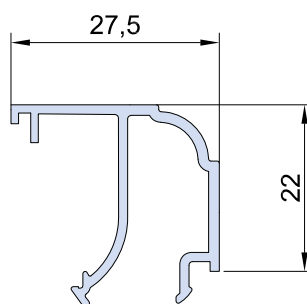
**PL 1539**

352 gr/m



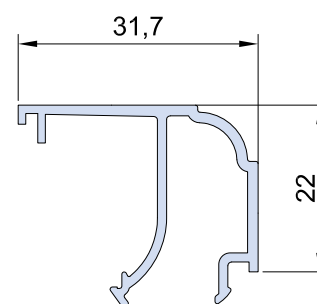
**PL 1542**

365 gr/m



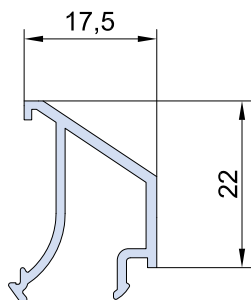
**PL 1928**

298 gr/m



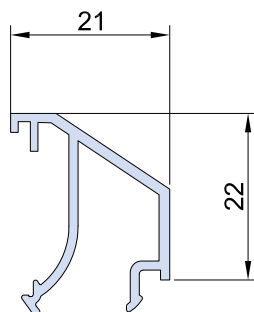
**PL 1932**

317 gr/m



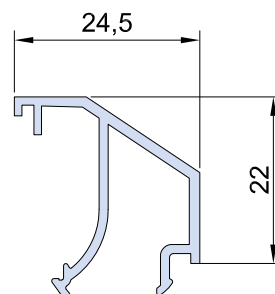
**PL 1818**

236 gr/m



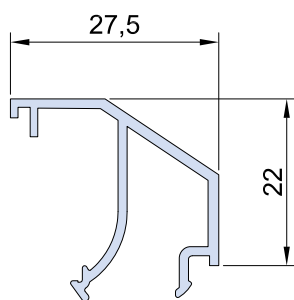
**PL 1821**

258 gr/m



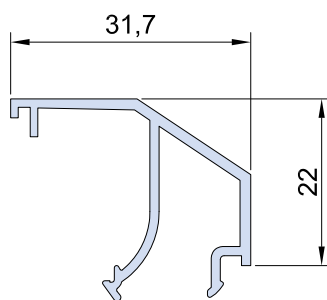
**PL 1825**

270 gr/m



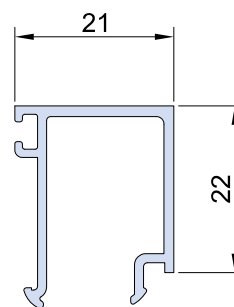
**PL 1828**

279 gr/m



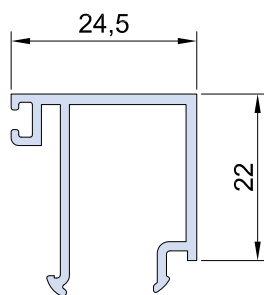
**PL 1832**

296 gr/m



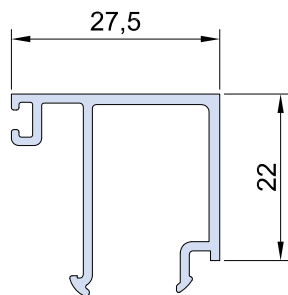
**PL 14121**

280 gr/m



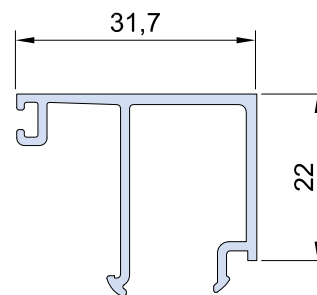
**PL 14125**

313 gr/m



**PL 14128**

323 gr/m



**PL 14132**

338 gr/m

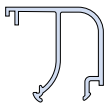
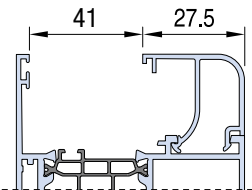
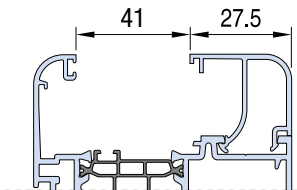
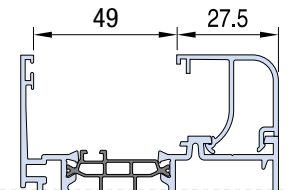
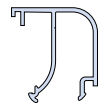
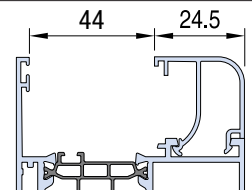
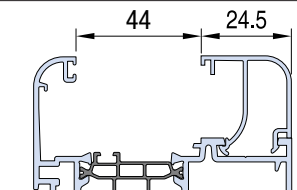
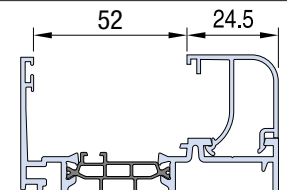
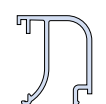
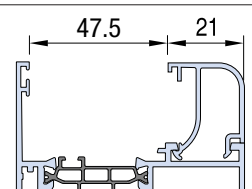
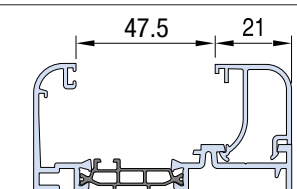
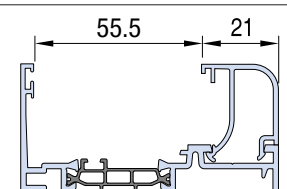
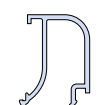
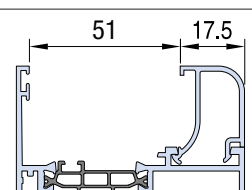
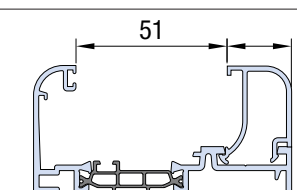
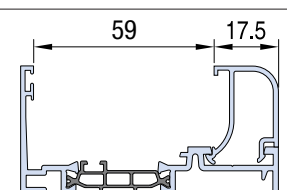

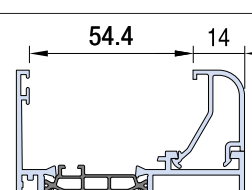
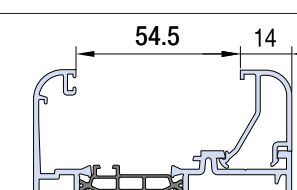
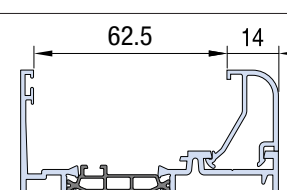

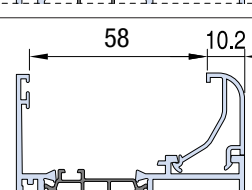
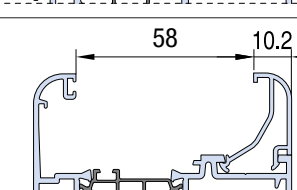
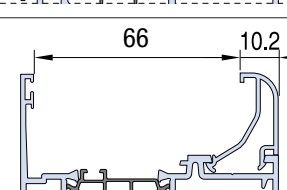
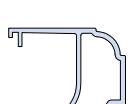
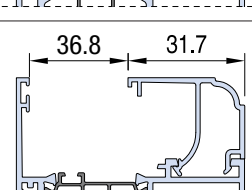
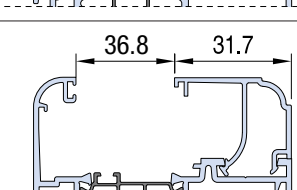
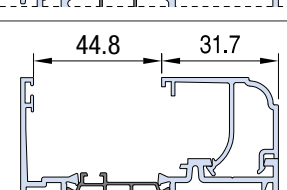
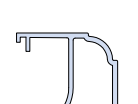
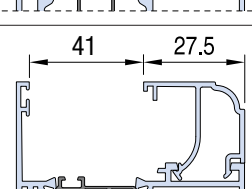
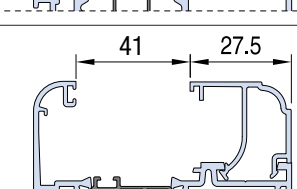
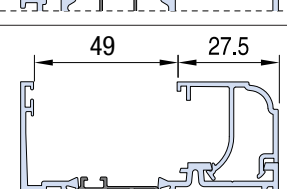


Fermavetro	Telaio UP 71802	Anta UP 71812	Anta UP 71811
 PL 1442	 27 41.5	 27 41.5	 35 41.5
 PL 1439	 30 38.5	 30 38.5	 38 38.5
 PL 1435	 33.5 35	 33.5 35	 41.5 35
 PL 1432 PL 14132	 36.8 31.7	 36.8 31.7	 44.8 31.7
 PL 1428 PL 14128 PL 14228	 41 27.5	 41 27.5	 49 27.5
 PL 1425 PL 14125 PL 14225	 44 24.5	 44 24.5	 52 24.5
 PL 1421 PL 14121 PL 14221	 47.5 21	 47.5 21	 55.5 21
 PL 1418	 51 17.5	 51 17.5	 59 17.5

VETRAZIONI  
Glaswing

Fermavetro	Telaio UP 71802	Anta UP 71812	Anta UP 71811
<p>PL 1414    PL 14214</p>			
<p>PL 1411</p>			
<p>PL 1407</p>			
<p>PL 1404</p>			
<p>PL 1542</p>			
<p>PL 1539</p>			
<p>PL 1535</p>			
<p>PL 1532</p>			

VETRAZIONI  
Cherisy

Fermavetro	Telaio UP 71802	Anta UP 71812	Anta UP 71811
 PL 1528	 41 27.5	 41 27.5	 49 27.5
 PL 1525	 44 24.5	 44 24.5	 52 24.5
 PL 1521	 47.5 21	 47.5 21	 55.5 21
 PL 1518	 51 17.5	 51	 59 17.5
 PL 1514	 54.4 14	 54.5 14	 62.5 14
 PL 1511	 58 10.2	 58 10.2	 66 10.2
 PL 1932	 36.8 31.7	 36.8 31.7	 44.8 31.7
 PL 1928	 41 27.5	 41 27.5	 49 27.5

VETRAZIONI  
Glazing

Fermavetro	Telaio UP 71802	Anta UP 71812	Anta UP 71811
<p>PL 1832</p>			
<p>PL 1828</p>			
<p>PL 1825</p>			
<p>PL 1821</p>			
<p>PL 1818</p>			
<p>PL 1325</p>			

VETRAZIONI  
Cherisy

AC 2001	Vite trilobata per ACP 50420 / ACP 50454 <i>Trilobate screw for ACP 50420 / ACP 50454</i>
AC 2099	Tappino chiudiforo Ø11,5mm <i>Hole-closing cap Ø11,5mm</i>
ACP 5001	Vite Ø8mm per squadrette multifunzione ACP 7002 <i>Screw Ø8mm for multi-function corner cleat ACP 7002</i>
ACP 5002	Squadretta 23X14mm a pulsante Ø10mm strong – filettata <i>Corner bracket 23x14mm with push-button Ø10mm strong - threaded</i>
ACP 5006	Cerniera 3 ali componenti inox e piastrini premontati, per telai piani <i>3-wings hinge for flat frames, stainless steel components and pre-assembled plates</i>
ACP 5008	Squadretta allineamento in acciaio inox <i>Alignment corner joint, stainless steel</i>
ACP 5010	Cerniera vasistas doppio scatto <i>Hinge, double snap for boom hung open in</i>
ACP 5012	Cerniera vasistas scatto singolo <i>Hinge, single snap for boom hung open in</i>
ACP 5013	Cricchetto vasistas <i>Awning/hopper window</i>
ACP 5014	Angolino fermavetro tondo <i>Round glazing bead angle</i>
ACP 5017	Cricchetto vasistas applicazione rapida <i>Awning/hopper window quick fitting finger catch</i>
ACP 5027	Gommino di bloccaggio per fermavetri a contrasto <i>Glazing bead locking rubber strip for PL1404 and PL1407 and tubulars</i>
ACP 5030	Spina Ø3mm per squadrette ACP 50153 e ACP 50154 con manico <i>Pin, Ø3mm., with grip for ACP 62153 and ACP 62154 multifunction corner cleats</i>
ACP 5035	Regolo muro in nylon <i>Nylon wall spacer</i>
ACP 5036	Regolo muro in metallo <i>Metal wall spacer</i>
ACP 5058	Rotella inserimento guarnizione centrale <i>Gasket fitting roller</i>
ACP 5069	Cerniera 3 ali 3a anta componenti inox e piastrini premontati <i>3-wings hinge for 3rd leaf, stainless steel components and pre-assembled plates</i>
ACP 5084	Squadretta allineamento con vite di tiraggio per telai e imbotti <i>Alignment corner bracket with tightening screw for frames and wall profiles</i>
ACP 5091M	Frizione bilico senza piastre <i>Pivoting clutch without plates</i>

ACP 5092	Frizione bilico orizzontale portata 175kg <i>Friction joint for horizontal pivot window load 175kg</i>
ACP 5092V	Frizione bilico verticale portata 175kg. Abbinare asta di trasmissione ACP 50102 <i>Friction joint for vertical pivot window load 175kg. Combine with transmission rod ACP 50102</i>
ACP 5093	Tappi cassonetto <i>Box covers</i>
ACP 5094	Spessore in acciaio inox di compenso tra frizione bilico ACP 5092 e ACP 5092V e profilo anta bilico <i>Stainless steel shim for adjustment between ACP 5092 / ACP 5092V friction joint and pivot leaf profile</i>
ACP 5095	Inviti guida tapparella <i>Roller shutter guide supports</i>
ACP 50010	Avvolgitore senza placca <i>Winder without plate</i>
ACP 50011	Placca per avvolgitore <i>Plate for winder</i>
ACP 50095	Guida cinghia a cassonetto <i>Box belt guide</i>
ACP 50102/D	Asta di trasmissione per frizione ACP 5092V per bilico verticale tirare destro <i>Transmission rod for friction joint ACP 5092V for right vertical pivot</i>
ACP 50102/S	Asta di trasmissione per frizione ACP 5092V per bilico verticale tirare sinistro <i>Transmission rod for friction joint ACP 5092V for left vertical pivot</i>
ACP 50103	Limitatore di apertura per frizioni bilico ACP 5092 E ACP 5092V <i>Opening restrictor for pivot friction joint ACP 5092 and ACP 5092V</i>
ACP 50110	Squadretta allineamento con eccentrici di tiraggio per ante <i>Alignment corner bracket with tightening eccentrics</i>
ACP 50115	Tappo terminale sotto porta per anta a girare per PL 2059 <i>Plug under door</i>
ACP 50117D	Mensola destra per supporto a squadra ACP 50220 <i>Right bracket for square support ACP 50220</i>
ACP 50117S	Mensola sinistra per supporto a squadra ACP 50220 <i>Left bracket for square support ACP 50220</i>
ACP 50118	Nastro magnetico in acciaio per sistema oscurante Easysun per PL 1325 <i>Magnetic tape for Easysun</i>
ACP 50119	Kit tappi inversione bilico orizzontale per TT 7120 <i>Horizontal pivot plug for TT 7120</i>
ACP 50119V	Kit tappi inversione bilico verticale per TT 7120 <i>Vertical pivot plug for TT 7120</i>
ACP 50122	Clip fermavetro <i>Glazing bead clip</i>

ACP 50127	Squadretta allineamento da incollare <i>Alignment bracket to glue</i>
ACP 50128	Cappetta scarico acqua in nylon <i>Nylon drainage plug, black</i>
ACP 50128C	Cover in alluminio, da abbinare ad ACP 50128 <i>Aluminium cover to ACP 50128. Combine with ACP 50128</i>
ACP 50153	Squadretta multifunzione 4X14mm spinare, cianfrinare e avvitare <i>Multi-purpose bracket 4x14mm broaching-crimping and screwing</i>
ACP 50154	Squadretta multifunzione 4X36mm spinare, cianfrinare e avvitare <i>Multi-purpose bracket 4x36mm broaching-crimping and screwing</i>
ACP 50155	Vite inox per squadrette multifunzione ACP 50153 e ACP 50154 <i>Stainless steel screw for multipurpose corner brackets ACP 50153 and ACP 50154</i>
ACP 50159D	Kit base scorrevole parallelo dx portata 150kg per anta <i>Parallel slide rails kit, right, load 150kg per leaf</i>
ACP 50159S	Kit base scorrevole parallelo sx portata 150kg per anta <i>Parallel slide rails kit, left, load 150kg per leaf</i>
ACP 50160/1100	Kit binari per scorrevole parallelo L anta = da 851mm a 1100mm <i>Parallel slide rail kit L=851mm to 1100mm</i>
ACP 50160/1350	Kit binari per scorrevole parallelo L anta = da 1101mm a 1350mm <i>Parallel slide rail kit L=1101mm to 1350mm</i>
ACP 50160/1600	Kit binari per scorrevole parallelo L anta = da 1351mm a 1600mm <i>Parallel slide rail kit L=1351mm to 1600mm</i>
ACP 50161/1200	Kit forbici scorrevole parallelo soluzione manuale per ante fino a 1200mm, abbinare ad ACP 50165 <i>Developed scissor sliders kit for leaf up to 1200mm, matching with ACP 50165</i>
ACP 50162	Kit forbici scorrevole parallelo soluzione automatica per ante fino a 1600mm di anta utilizzare ACP 50159, da 1600mm a 2000mm occorrono carrelli con portata 180kg <i>Developed scissor sliders kit for leaf up to 1600mm. Up to 1600mm matching with ACP 50165. From 1600mm to 2000mm, use rails with capacity 180kg. Available on request only matching with handle ACP 50170</i>
ACP 50163	Kit accessori per trasformare il kit manuale ACP 50161 in semiautomatico <i>Kit accessories to make semiautomatic ACP 50161 for euro groove profile - matching with ACP 50166</i>
ACP 50164	Kit coperture. Disponibile nelle colorazioni argento ossidato, RAL 9010 e nero elettro-colore <i>Cover kit, finish available: silver, RAL 9010, black</i>
ACP 50165	Spessori per forbici da abbinare con ACP 50161/1200 o ACP 50162 <i>Thickness matching with ACP 50161/1250 or ACP 50162. finish available: silver and black</i>
ACP 50166	Placchetta di fermo - per modificare il kit forbici manuale in semiautomatico da abbinare ad ACP 50163 <i>Plate to make semiautomatic the developed scissor sliders kit - matching with ACP 50163</i>

ACP 50167	Kit supplementare al kit 50161 per ante oltre i 1200mm da abbinare alle astine ACP 50168 e ACP 50169 <i>Additional kit for leaf beyond 1200mm - matching with ACP 50168 and ACP 50169</i>
ACP 50168	Astina per kit supplementare ACP 50167 per ante da 1201mm fino a 1350mm da abbinare a ACP 50167 <i>ACP 50167 rod for additional kit for leaf 1201mm to 1350mm</i>
ACP 50169	Astina per kit supplementare ACP 50167 per ante da 1351mm fino a 1600mm da abbinare a ACP 50167 <i>ACP 50167 rod for additional kit for leaf 1351mm to 1600mm</i>
ACP 50220	Supporto a squadro 46X10mm rullo tapparella <i>Square bracket 46x10mm for rolling shutter</i>
ACP 50226	Piastrina sostegno anta <i>Plastic support for leaf</i>
ACP 50234	Cremonese Aurora bidirezionale con chiave <i>Bidirectional Aurora Cremonese handle with key, right</i>
ACP 50235/D	Cremonese Aurora monodirezionale destra con chiave <i>Monodirectional Aurora Cremonese handle with key, right</i>
ACP 50235/S	Cremonese Aurora monodirezionale sinistra con chiave <i>Monodirectional Aurora Cremonese handle with key, left</i>
ACP 50239	Doppia maniglia Aurora per porte <i>Aurora double handle for door</i>
ACP 50552	Martellina Aurora 0-90-180° quadro 7mm <i>Aurora Martellina 0-90-180°, 7mm</i>
ACP 50267	Meccanismo martellina bidirezionale per bilico <i>Bidirection Martellina mechanism for pivot window</i>
ACP 50268	Perno di collegamento per ACP 50267, L = 31 mm <i>Connecting pin for ACP50267, L=31mm</i>
ACP 50310	Maniglia EXENS linea Tonda <i>EXENS rounded handle</i>
ACP 50311	Movimento monodirezionale per maniglia EXENS <i>Monodirectional EXENS mechanism for EXENS handle</i>
ACP 50312	Movimento bidirezionale per maniglia EXENS <i>Bidirectional EXENS mechanism for EXENS handle</i>
ACP 50313	Maniglia EXENS squadrata <i>EXENS squared handle</i>
ACP 50314	Maniglia EXENS linea Aurora <i>Aurora EXENS handle</i>
ACP 50318	Doppia EXENS linea Aurora per porte <i>Double Aurora EXENS handle for door</i>



ACP 50321	Maniglia EXENS linea tonda con chiave <i>Rounded key-handle without plate</i>
ACP 50322	Maniglia EXENS linea squadrata con chiave <i>Squared key-handle without plate</i>
ACP 50323	Kit manovra logica <i>Tilt and turn logic kit</i>
ACP 50330	Maniglia EXENS linea Aurora quadro 7mm <i>EXENS Aurora line square 7mm</i>
ACP 50341	Basetta copricilindro per doppia maniglia Aurora <i>Base for cylinder dust cap for Aurora double handle</i>
ACP 50400	Cremonese Aurora bidirezionale <i>Bidirectional Cremonese Aurora handle</i>
ACP 50401	Cremonese Aurora monodirezionale per anta ribalta e scorrevole parallelo <i>Monodirectional Cremonese Aurora handle for tilt &amp; turn and parallel slide</i>
ACP 50405	Cerniera premontata, per telai piani <i>Hinge for flat frames.</i>
ACP 50407	Cerniera 3 <sup>a</sup> anta inox e piastrini premontati, usare 1 coppia h max=1800 mm per h oltre 1800 mm inserire la 3a cerniera <i>3rd leaf hinge. Use a pair of hinge for hmax=1800 mm, 3 hinges for h&gt;1800 mm</i>
ACP 50410	Kit punto di chiusura a fungo di sicurezza <i>Safety locking point kit</i>
ACP 50411	Bracci sporgere telescopici a coppie <i>Top-hinged telescopic arms for projected windows</i>
ACP 50420	Cavallo 23X14mm a scatto in estruso <i>Snap clamp 23x14mm extruded</i>
ACP 50421	Punto di chiusura registrabile <i>Adjustable locking point</i>
ACP 50422	Catenacciolo in nylon <i>Nylon bolt</i>
ACP 50425	Cavallo cava fermavetro per inglesine <i>Clamp glazing bead for inglesine</i>
ACP 50432	Manico per cremonese Aurora ACP 50433/50434 <i>Cremonese Aurora handle for ACP 50433/50434</i>
ACP 50433	Manico per cremonese Aurora ACP 50433/50434 <i>Cremonese Aurora handle for ACP 50433/50434</i>
ACP 50434	Manico per cremonese Aurora ACP 50433/50434 <i>Cremonese Aurora handle for ACP 50433/50434</i>

ACP 50445	Blocchetti collegamento cremonese in poliammide <i>Polyamide connection pieces for Cremonese handle</i>
ACP 50446/350	Braccio ribalta extra corto 350/410mm da abbinare ad ACP 50476 e ACP 50477 <i>Extra short tilt arm 350/410mm</i>
ACP 50446/415	Braccio ribalta corto 410/700mm da abbinare ad ACP 50476 e ACP 50477 <i>Short tilt arm 410/700mm</i>
ACP 50446/538	Braccio ribalta lungo 701/1800mm da abbinare ad ACP 50476 e ACP 50477 <i>Long tilt arm 701/1800mm</i>
ACP 50447	Kit catenacci per a/r standard (con prolunga alluminio) <i>Deadbolt kit for standard tilt &amp; turn (with aluminum extension)</i>
ACP 50448	Traino per cremonese monodirezionale <i>Towing for monodirectional cremone bolt</i>
ACP 50452	Catenaccioli a spinta in kit in zama con eccentrico di registrazione per anta semifissa <i>Metal bolt set</i>
ACP 50454	Cavalotto a scatto in estruso per UP 71838 <i>Snap clamp, extruded for UP 71838</i>
ACP 50456	Cerniere a/r telai piani <i>T/T hinges for flat frames</i>
ACP 50457	Cerniere a/r telai complanari <i>T/T hinges for coplanar frames</i>
ACP 50458	Kit 6 punti di chiusura <i>6 locking points kit</i>
ACP 50459	Adattatore anta abbinata per cerniere ACP 50456 e ACP 50457 <i>Matching door adapter for ACP 50456 and ACP 50457 hinges</i>
ACP 50475	Kit finestra 1 anta battente <i>Window kit 1 hinged door</i>
ACP 50476	Kit a/r con traino per cremonese e 2 funghetti AE <i>T/T kit with drive for cremone bolt and 2 antiburglary locking point</i>
ACP 50477	Kit a/r con meccanismo martellina e 2 funghetti AE <i>T/T kit with handle mechanism and 2 antiburglary locking point</i>
ACP 50478	Kit a/r con meccanismo EXENS e 2 funghetti AE <i>T/T kit with EXENS mechanism and 2 antiburglary locking point</i>
ACP 50481	Kit a/r con traino cremonese per manovra logica <i>T/T kit with cremone bolt drive for logical maneuver</i>
ACP 50482	Incontro doppio in nylon <i>Double nylon striker</i>
ACP 50525	Terminale asta <i>Rod terminal</i>

ACP 50535	Fresa a due diametri per applicazione regolo obliquo <i>Two diameter cutter for fitting the sloping spacer</i>
ACP 50536	Regolo obliquo in zama <i>Zamak oblique wall spacer</i>
ACP 50537	Dima di posizionamento per foratura profilo per applicazione ACP 50536 <i>Profile drilling position template for fitting ACP 50536</i>
ACP 50538	Fresa a due diametri per applicazione regolo obliquo <i>Two diameter cutter for fitting the sloping spacer</i>
ACP 50539	Regolo obliquo in nylon per turboviti <i>Nylon oblique wall spacer</i>
ACP 50546/415	Braccio ribalta corto per ante da 410 a 700mm manovra logica <i>Short tilting arm for doors from 410 to 700mm logic operation</i>
ACP 50546/538	Braccio ribalta lungo per ante da 550 a 1800mm manovra logica <i>Long tilting arm for doors from 550 to 1800mm logic operation</i>
ACP 50582	Incontro singolo in nylon <i>Single nylon striker</i>
ACP 50704	Cassetta semi incasso <i>Semi-embedded box</i>
ACP 50705	Avvolgitore con placca nera per cinghia tapparella <i>Winder with black plate for roller shutter belt</i>
ACP 50825	Puleggia da 180mm <i>180mm pulley</i>
ACP 50832	Calotta di supporto per rullo <i>Roller support cover</i>
ACP 5100	Set piastre per bilico frizione. Dimensioni: 10,75x17,5x69,8mm e 21,5x22,5x69,8mm <i>Clutch balance plates set</i>
ACP 5150/D	Kit anta ribalta SECRET con cerniera a scomparsa DX braccio corto; Dimensioni anta (L): 600-1500mm <i>SECRET tilt and turn windows kit. It is included concealed hinge for right short arm. Leaf dimension (L): 600-1500mm</i>
ACP 5150/S	Kit anta ribalta SECRET con cerniera a scomparsa SX braccio corto; Dimensioni anta (L): 600-1500mm <i>SECRET tilt and turn windows kit. It is included concealed hinge for left short arm. Leaf dimension (L): 600-1500mm</i>
ACP 5151/D	Kit anta ribalta SECRET con cerniera a scomparsa DX braccio lungo; Dimensioni anta (L): 600-1500mm <i>SECRET tilt and turn windows kit. It is included hidden hinge for right long arm. Leaf dimension (L): 600-1500mm</i>
ACP 5151/S	Kit anta ribalta SECRET con cerniera a scomparsa SX braccio lungo; Dimensioni anta (L): 600-1500mm <i>SECRET tilt and turn windows kit. It is included hidden hinge for left long arm. Leaf dimension (L): 600-1500mm</i>
ACP 5152	Incontro doppio in zama SECRET per finestra 2 ante battente <i>SECRET Double keeper zamak made for casement window</i>

ACP 5153	Braccio supplementare SECRET per L>1000mm da abbinare ad ACP 5151 <i>SECRET additional window arm, L&gt;1000mm</i>
ACP 5154	Chiusura supplementare lato cerniere (rostro) <i>Beak for passive leaf</i>
ACP 5155	Chiusura supplementare per cerniera scomparsa A/R SECRET. Si usa anche in orizzontale per L>1000mm e tra le cerniere per H>1200mm <i>Additional locking piece for SECRET tilt &amp; turn L&gt;1000mm, H&gt;1200mm</i>
ACP 5156	Catenacciolo ante passive in abbinamento ad anta ribalta SECRET <i>SECRET bolt for passive leaf</i>
ACP 5157	Kit catenacci con manovra bidirezionale SECRET ante passive <i>SECRET bolt set for two ways directional device</i>
ACP 5158	Incontro singolo in zama per catenacciolo <i>Single keeper zamak</i>
ACP 5159	Terminale in zama SECRET, finestre a battente <i>SECRET zamak rod end zamak</i>
ACP 5161/D	Kit cerniera a scomparsa DX SECRET anta passiva, battente <i>SECRET concealed hinge set right passive leaf</i>
ACP 5161/S	Kit cerniera a scomparsa SX SECRET anta passiva, battente <i>SECRET concealed hinge set left passive leaf</i>
ACP 5162/D	Kit A/R con cerniere a scomparsa SECRET anta destra braccio corto - portata max 150kg <i>SECRET tilt and turn mechanism with concealed hinges, right, short arm - Max load 150kg</i>
ACP 5162/S	Kit A/R con cerniere a scomparsa SECRET anta sinistra braccio corto - portata max 150kg <i>SECRET tilt and turn mechanism with concealed hinges, left, short arm - Max load 150kg</i>
ACP 5163/D	Kit A/R con cerniere a scomparsa SECRET anta destra braccio lungo - portata max 150kg <i>SECRET tilt and turn mechanism with concealed hinges, right, long arm - Max load 150kg</i>
ACP 5163/S	Kit A/R con cerniere a scomparsa SECRET anta sinistra braccio lungo - portata max 150kg <i>SECRET tilt and turn mechanism with concealed hinges, left, long arm - Max load 150kg</i>
ACP 5164/D	Kit cerniera a scomparsa SECRET anta passiva destra - portata max 150kg <i>SECRET concealed hinges, right - Max load 150kg</i>
ACP 5164/S	Kit cerniera a scomparsa SECRET anta passiva sinistra - portata max 150kg <i>SECRET concealed hinges, left - Max load 150kg</i>
ACP 5165	Braccio limitatore di apertura <i>Limit stay arm</i>
ACP 5166	SECRET - Kit Cerniere VASISTAS per infissi fino a 2.500 mm di larghezza <i>SECRET - VASISTAS Hinges Kit for windows up to 2,500 mm wide</i>
ACP 5167	SECRET - Sostegno anta da abbinare al kit ACP 5166 <i>SECRET - Support for leaf to combine with the ACP 5166 kit</i>
ACP 5171	Kit Vasistas per cerniere ACP 5166 <i>Vasistas Kit for ACP 5166 hinges</i>

ACP 5198	Meccanismo martellina monodirezionale per A/R, quadro 7mm <i>Handle mechanism monodirectional for T/T windows</i>
ACP 5199N	Meccanismo martellina bidirezionale per battente, quadro 7mm <i>Two ways directional handle mechanism for windows casement</i>
ACP 51001	Guida cinghia da montante <i>Jamb belt guide</i>
ACP 51190	Boccola di giunzione rullo/puleggia rullo/Calotta <i>Joint bushing, for roller/pulley and roller/cover</i>
ACP 51454	Rostro per ferramenta standard <i>Rostrum for standard hardware</i>
ACP 51520	Vite di fissaggio supporto/ mensole <i>Support/bracket fastening screw</i>
ACP 5501	Squadretta maggiorata 23X35mm a pulsante <i>Oversized bracket 23x35mm with push-button</i>
ACP 5502	Squadretta piccola 17,5X15mm per inversione UP 71723 <i>Bracket 17,5x15mm with push-button for reversal UP 71723</i>
ACP 5504	Squadretta 23X14mm estrusa, angolo variabile min. 30° max. 178° <i>Bracket 23x14mm, variable angle, min 30° max 178°</i>
ACP 5506	Squadretta maggiorata 23X35mm estrusa, angolo variabile min. 55° max. 315° <i>Oversized bracket 23x35mm, variable angle, min 55° max 315°</i>
ACP 5521	Cavallotto a pulsante 23X14mm in pressofuso <i>Clamp 23x14mm, die-cast, with push-button</i>
ACP 5800	Spina per squadretta multifunzione ACP 5801M, ACP 5802, ACP 7001 <i>Pin for multifunction corner cleat ACP 5801M, ACP 5802, ACP 7001</i>
ACP 5801 M	Squadretta 23X14mm multifunzione, avvitare, spinare e cianfrinare <i>Multi-purpose bracket 23x14mm, screwing, broaching and crimping</i>
ACP 5802	Squadretta maggiorata 23X35mm multifunzione, avvitare, spinare e cianfrinare <i>Multi-purpose bracket 23x35mm, screwing, broaching and crimping</i>
ACP 5805	Squadretta pressofusa 23X14mm angolo variabile min.60° max 120° <i>Bracket 23x14mm variable angle - strong min 60° max 120°</i>
ACP 5821	Cavallotto 23X14mm in pressofuso con grano e codolo <i>Clamp 23x14mm die-cast with dowel and shank</i>
ACP 6220	<sup>THERMOPOSA</sup> Traverso inferiore 20mm Thermopro in PVC <i>Thermopro PVC sill transom, 20mm</i>
ACP 6246/25	<sup>THERMOPOSA</sup> Controtelaio Thermopro spalla 72mm, battuta 25 rifilabile <i>Thermopro subframe 72mm, beat 25</i>
ACP 6246/49	<sup>THERMOPOSA</sup> Controtelaio Thermopro spalla 72mm battuta 49 rifilabile <i>Thermopro subframe 72mm, beat 49</i>

ACP 6249	THERMOPOSA Traverso inferiore 40mm Thermopro in PVC <i>Thermopro PVC sill transom</i>
ACP 6254	THERMOPOSA Staffe per traverso ACP 6249 <i>Transom bracket for ACP 6249</i>
ACP 6255	THERMOPOSA Zanche per fissaggio del controtelaio ACP 6246 <i>Clamps for fixing of subframe for ACP 6246</i>
ACP 6256	THERMOPOSA Squadretta angolare per controtelaio ACP 6246 <i>Corner cleat for ACP 6246</i>
ACP 6257	THERMOPOSA Piastra di allineamento per controtelaio ACP 6246 <i>Alignment plate for ACP 6246</i>
ACP 6258	THERMOPOSA Squadretta di rinforzo per controtelaio ACP 6246 <i>Reinforced bracket for ACP 6246</i>
ACP 6259	THERMOPOSA Rinforzo tubolare aperto in acciaio 12x40mm per controtelaio ACP 6246 <i>Steel tubular reinforcement 12x40mm for ACP 6246</i>
ACP 6260	THERMOPOSA Staffe per traverso ACP 6220 <i>Transom bracket for ACP 6220</i>
ACP 7001	Squadretta piccola multifunzione 17,5x15mm avvitare, spinare e cianfrinare per inversione UP 71723 <i>Multi-purpose bracket 17,5x15mm, screwing, broaching and crimping for reversal UP 71723</i>
ACP 7207	Cavallotto di allineamento scocca esterna profili dritti <i>External alignment clamp for plane profiles</i>
ACP 7208	Cavallotto di allineamento scocca esterna profili raggiati <i>Alignment clamp for the external body of rounded profiles</i>
ACP 7272	Tappo sottoporta per UP 71835 / UP 71735 <i>Under door plug for UP71835 / UP 71735</i>
ACP 7273	Tappo sottoporta per UP 71837 / UP 71737 <i>Under door plug for UP71837 / UP 71737</i>
ACP 7274	Tappo sottoporta per UP 71813 / UP 71713 <i>Under door plug for UP71813 / UP 71713</i>
ACP 72134	Appoggio vetro <i>Glass support</i>
ACP 72178M	Tappo riporto versione doppia battuta <i>Central plug for double rebate version</i>
ACP 72179M	Tappo riporto centrale versione giunto aperto <i>Central plug for open joint</i>
ACP 9909	Spessore 8mm per cerniere ad applicazione frontale <i>8mm thickness for frontal hinges</i>

ACP 9915	Spessore 7mm per cerniere ad applicazione frontale <i>7mm thickness for frontal hinges</i>
ACP 9918 N	Cerniera Strong EVO a 2 ali per telai piani <i>2-wing Strong EVO hinge for flat frame</i>
ACP 9938 N	Cerniera Strong EVO a 2 ali, 3° anta anche per telai complanari <i>2-wing Strong EVO hinge for 3rd door also for coplanar frames</i>
ACP 9963/60	Cerniera frontale, 3 ali interasse 60mm <i>3 wings frontal hinge</i>
ACP 9963/93	Cerniera frontale, 3 ali interasse 93mm <i>3 wings frontal hinge</i>
ACP 9964/60	Cerniera frontale, 2 ali interasse 60mm <i>2 wings frontal hinge</i>
ACP 9964/93	Cerniera frontale, 2 ali interasse 93mm <i>2 wings frontal hinge</i>
ACP 9973	Kit fissaggio cerniere applicazione frontale 2 ali <i>2-wings front hinge kit</i>
ACP 9974	Kit fissaggio cerniere applicazione frontale 3 ali <i>3-wings front hinge kit</i>
ACP 9998	Dima di foratura per cerniere applicazione frontale <i>Front hinges holes' template</i>
ACP 99130	Distanziatore 35-50mm per cerniere ad applicazione centrale <i>35-50mm thickness for frontal hinges - matching with putward opening profile</i>
AGG 3000	Guarnizione di battuta per telai capannoni e imbotti porte interne <i>Rebate gasket for industrial shed frames and wall profiles of internal wall</i>
AGG 3092	Giunto per finestre a nastro <i>Joint for ribbon windows</i>
AGP 4000	Guarnizione di battuta in EPDM <i>EPDM rabbet seal</i>
AGP 4002	Guarnizione isolamento perimetrale muro-telaio <i>Wall-frame perimeter insulation seal</i>
AGP 4004	Guarnizione di battuta in EPDM coestruso, inserimento ad infilare <i>Rebate gasket in co-extruded EPDM</i>
AGP 4005	Guarnizione di battuta per riporto centrale lato semifisso per versione doppia battuta <i>Rebate gasket for central connection profile on the semi-fixed side for double rebate version</i>
AGP 4006	Guarnizione di battuta per riporto centrale lato semifisso per versione giunto aperto <i>Astragal seal, semi-fixed side, for internal gasket sealing version</i>



AGP 4009	Guarnizione sottoporta ante a giro. Abbinare a PL 2059 <i>Under door gasket for PL 2059</i>
AGP 4013	Guarnizione vetro esterna in EPDM 2,5mm <i>EPDM external glazing seal 2,5mm</i>
AGP 4014	Guarnizione vetro esterna in EPDM 4mm <i>EPDM external glazing seal, 4mm</i>
AGP 4015	Guarnizione acustica di battuta esterna, coestrusa con base rigida, sostituibile <i>External rabbet acoustic gasket, co-extruded, with replaceable rigid base</i>
AGP 4040	Guarnizione chiudi cava 15mm, color argento <i>Frame recess cover strip 15mm and beat sliding version, silver color</i>
AGP 4085	Angoletto vulcanizzato per AGP 4000 <i>Vulcanized corner piece for AGP 4000</i>
AGP 4099	Guarnizione isolamento perimetrale telaio-controtelaio <i>Frame-subframe perimeter insulating seal</i>
AGP 40131	Guarnizione sottovetro in polietilene espanso <i>Expanded polystyrene glazing strip</i>
AGP 4103	Guarnizione vetro in EPDM 2,5/3,5mm per isolamento acustico e termico <i>Internal glass gasket in EPDM 2,5/3,5mm for sound and thermal insulation</i>
AGP 4106	Guarnizione vetro in EPDM 4/6mm per isolamento acustico e termico <i>Internal glass gasket in EPDM 4/6mm for sound and thermal insulation</i>
AGP 4113	Guarnizione vetro esterna in coestruso EPDM/SPUGNA da 2,5mm per isolamento acustico e termico <i>External glass gasket in co-extruded EPDM/FOAM 2,5mm for sound and thermal insulation</i>
AGP 4123	Guarnizione vetro esterna in EPDM da 2,5mm a baffo per siliconare. Garantisce maggiore ermeticità <i>EPDM external glass gasket, 2,5mm Lip sealing strip for applying silicone sealant. Guarantees greater hermetic sealing</i>
AGP 4135	Guarnizione vetro esterna in EPDM da 3,5mm a baffo per siliconare. Garantisce maggiore ermeticità <i>EPDM external glass gasket, 3,5mm Lip sealing strip for applying silicone sealant. Guarantees greater hermetic sealing</i>
AGP 4203	Guarnizione vetro interna 3mm filo fermavetro. Consente la piega a 90° <i>3mm, inner glazing bead seal</i>
AGP 4204	Guarnizione vetro interna 4mm filo fermavetro. Consente la piega a 90° <i>4mm, inner glazing bead seal</i>
AGP 4205	Guarnizione vetro interna 5mm filo fermavetro. Consente la piega a 90° <i>5mm, inner glazing bead seal</i>
AGP 4206	Guarnizione vetro interna 6mm filo fermavetro. Consente la piega a 90° <i>6mm, inner glazing bead seal</i>
AGP 4807	Spazzolino dim. 4,8X7mm per sottoporta <i>Under door brush strip 4,8X7mm</i>
AGP 5030/I	<b>THERMOPOSA</b> Profilo portaintonaco per esterno con asole 250cm <i>Outdoor plaster profile</i>

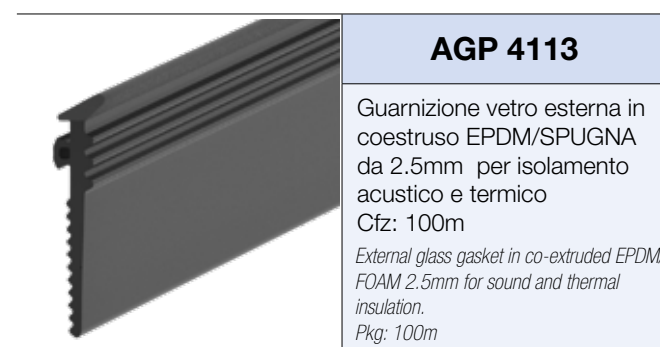
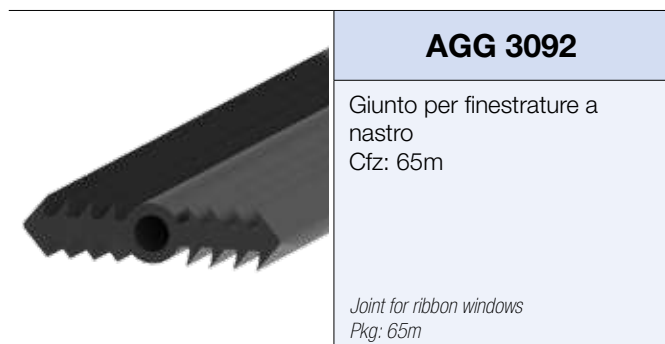


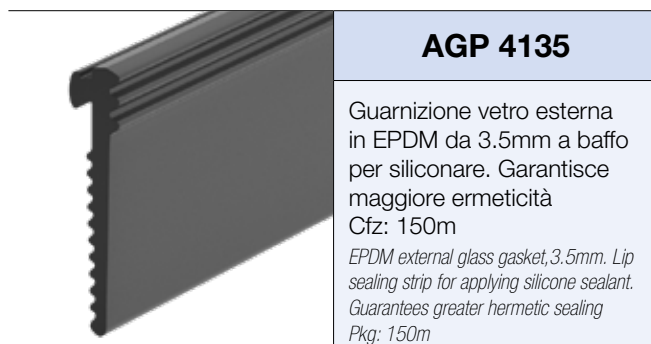
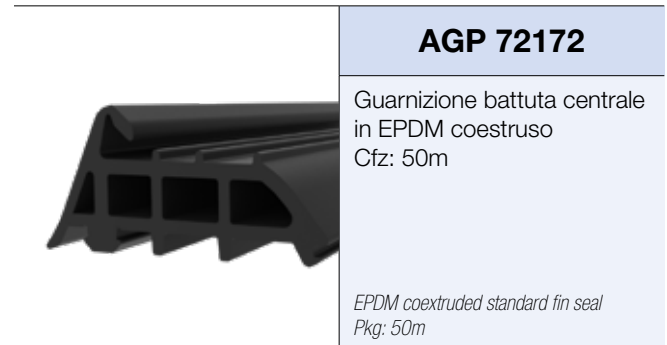
AGP 5031	<small>THERMOPOSA</small> Profilo portaintonaco per interno con asole 250cm <i>Inner plaster profile</i>
AGP 5032	<small>THERMOPOSA</small> Barriera al vapore per controtelaio ACP 6246 <i>Vapor barrier for ACP 6246</i>
AGP 5033	<small>THERMOPOSA</small> Nastro precompresso BG1 da 15mm per sigillatura della battuta <i>BG1 beat sealing, 15mm</i>
AGP 5034/25	<small>THERMOPOSA</small> Nastro precompresso per posa in battuta per la sigillatura della spalla <i>Band for laying baing, wall sealing</i>
AGP 5035/...	<small>THERMOPOSA</small> Sigillante MS Polimero bianco, marrone, grigio o nero, 290 ml <i>MS Polymer sealant</i>
AGP 5036	<small>THERMOPOSA</small> Schiuma poliuretana elastica fissaggio controtelaio ACP 6246 <i>Elastic polyurethane foam for ACP 6246</i>
AGP 5037	<small>THERMOPOSA</small> Nastro in schiuma di PVC per soglia e traverso inferiore <i>PVC foam band for tramson and threshold</i>
AGP 5058	Sigillante poliuretano bicomponente, cartuccia 415ml <i>Two-component polyurethane sealant, 415ml cartridge</i>
AGP 5059	Pistola manuale per sigillante bicomponente AGP 5058 <i>Manual gun for two-component sealant AGP 5058</i>
AGP 5069	Pistola pneumatica per sigillante bicomponente AGP 5058 <i>Pneumatic gun for two-component sealant AGP 5058</i>
AGP 5072	Beccuccio Static Mixer per AGP 5058 <i>Static Mixer nozzle for AGP 5058</i>
AGP 5073	Sigillante per sigillatrice MCT PL TKE 259 <i>Sealant for MCT PL TKE 259 sealer</i>
AGP 5079	Pistola a batteria per sigillante bicomponente AGP 5058 <i>Battery gun for two-component sealant AGP 5058</i>
AGP 5806	Spazzolino dim. 5,8X6mm per profili monoblocco <i>Brush strip 5,8X6mm for single-unit profiles</i>
AGP 5813	Spazzolino dim. 5,8X13mm per celino monoblocco <i>Brush strip 5,8X13mm for single-unit profiles</i>
AGP 6203	Listello in PUR 10x10mm <i>Strip in PUR 10x10mm</i>
AGP 6204	Listello in PUR 21,6x26,7 <i>Strip in PUR 21,6x26,7mm</i>
AGP 6280	Guarnizione di giunzione telaio battente-telaio scorrevole <i>Side-hung frame/sliding frame interface seal</i>
AGP 6502	Guarnizione supplementare per soglia ribassata Planet 72 UP <i>Additional seal for low threshold Planet 72 UP</i>

AGP 7007	<p>Guarnizione vetro esterna da 3mm, filo alluminio, consente la piega a 90° senza taglio</p> <p><i>External glazing seal, 3mm, installed flush with aluminum. Can be bent at a 90° angle without cutting</i></p>
AGP 7202	<p>Guarnizione sottoporta</p> <p><i>Under door gasket</i></p>
AGP 72172	<p>Guarnizione battuta centrale in EPDM coestruso</p> <p><i>Standard fin seal</i></p>
AGP 72185	<p>Angolo vulcanizzato per AGP 72172, 45X45mm</p> <p><i>Vulcanized corner piece for AGP 72172, 45X45mm</i></p>
MCT PL TKE 259	<p>Sigillatrice d'angoli automatica</p> <p><i>Automatic corner sealer</i></p>
TAC 1000	<p>Astina in poliammide. Disponibile in grigio e nero, 250m per rotolo</p> <p><i>PA rod. Available in color grey and black</i></p>

## ELENCO GUARNIZIONI

	<p><b>AGG 3000</b></p> <p>Guarnizione di battuta per telai capannoni e imbotti porte interne Cfz: 100m</p> <p><i>Rebate gasket for industrial shed frames and wall profiles of internal wall</i> Pkg: 300m</p>		<p><b>AGP 4006</b></p> <p>Guarnizione di battuta per riporto centrale lato semifissa, versione giunto aperto Cfz: 200m</p> <p><i>Astragal seal, semi-fixed side, for internal gasket sealing version</i> Pkg: 200m</p>
	<p><b>AGP 4000</b></p> <p>Guarnizione di battuta in EPDM Cfz: 400m</p> <p><i>EPDM rabbet seal</i> Pkg 400m</p>		<p><b>AGP 4015</b></p> <p>Guarnizione acustica di battuta esterna, coestrusa con base rigida sostituibile Cfz: 750m</p> <p><i>External rabbet acoustic gasket, co-extruded, with replaceable rigid base</i> Pkg: 750m</p>
	<p><b>AGP 4085</b></p> <p>Angoletto vulcanizzato per AGP 4000 Cfz: 400pz</p> <p><i>Vulcanized corner piece for AGP 4000</i> Pkg: 400pcs</p>		<p><b>AGP 4002</b></p> <p>Guarnizione isolamento perimetrale muro-telaio Cfz: 200m</p> <p><i>Wall-frame perimeter insulation seal</i> Pkg: 200m</p>
	<p><b>AGP 4004</b></p> <p>Guarnizione di battuta in EPDM coestruso, inserimento ad infilare Cfz: 300m</p> <p><i>Rebate gasket in co-extruded EPDM</i> Cfz: 300m</p>		<p><b>AGP 4099</b></p> <p>Guarnizione isolamento perimetrale telaio-controtelaio Cfz: 50m</p> <p><i>Frame-subframe perimeter insulating seal</i> Pkg: 50m</p>
	<p><b>AGP 4005</b></p> <p>Guarnizione di battuta per riporto centrale lato semifisso per versione doppia battuta Cfz: 300m</p> <p><i>Rebate gasket for central connection profile on the semi-fixed side for double rebate version</i> Pkg: 300m</p>		<p><b>AGP 6280</b></p> <p>Guarnizione di giunzione telaio battente-telaio scorrevole Cfz: 300m</p> <p><i>Side-hung frame/sliding frame interface seal</i> Pkg: 300m</p>






	<b>AGP 4807</b>
	<p>Spazzolino dim. 4.8X7mm per sottoporta Cfz: 100m</p> <p><i>Under door brush strip 4.8X7mm Pkg: 100m</i></p>

	<b>AGP 5806</b>
	<p>Spazzolino dim. 5.8X6mm per profili monoblocco Cfz: 100m</p> <p><i>Brush strip 5.8X6mm for single-unit profiles Pkg: 100m</i></p>

	<b>AGP 5813</b>
	<p>Spazzolino dim. mm 5.8X13mm per celino monoblocco Cfz: 100m</p> <p><i>Brush strip 5.8X13mm for single-unit profiles Pkg: 100m</i></p>


	<b>AGP 6203</b>
	<p>Listello in PUR 10x10mm Cfz: 1m</p> <p><i>strip in PUR 10x10mm Pkg: 1m</i></p>

	<b>AGP 6204</b>
	<p>Listello in PUR 21,6x26,7mm Cfz: 1m</p> <p><i>strip in PUR 21.6x26.7mm Pkg: 1m</i></p>

	<b>TAC 1000</b>
	<p>Astina in poliammide Disponibile in grigio e nero Cfz: 250m</p> <p><i>PA rod. Available in color grey and black Pkg: 250m</i></p>

	<b>ACP 5058</b>
	<p>Rotella inserimento guarnizione centrale Cfz: 250 pz</p> <p><i>Gasket fitting roller Pkg: 250 pcs</i></p>

## ELENCO ACCESSORI GENERICI

	<b>AC 2099</b>
	<p>Tappino chiudiforo Ø11,5 mm Cfz: 1000 pz</p> <p><i>Hole-closing cap ø11.5mm Pkg: 1000 pcs</i></p>

	<b>ACP 5027</b>
	<p>Gommino di bloccaggio per fermavetri a contrasto Cfz: 100 pz</p> <p><i>Glazing bead locking rubber strip for PL1404 and PL1407 and tubulars Pkg: 100 pcs</i></p>

	<b>ACP 5035</b>
	<p>Regolo a muro in nylon Cfz: 250 pz</p> <p><i>Nylon wall spacer Pkg: 250 pcs</i></p>


	<b>ACP 5036</b>
	<p>Regolo a muro in metallo Cfz: 100 pz</p> <p><i>Metal wall spacer Pkg: 100 pcs</i></p>


	<b>ACP 7274</b>
	<p>Tappo sotto porta per UP 71813 / UP 71713 Cfz: 20 coppie</p> <p><i>Under door plug for UP71813/ UP71713 Pkg: 20 pairs</i></p>


	<b>ACP 50128</b>
	<p>Cappetta scarico acqua in nylon. Disponibile nei colori: nero, RAL 9010 e RAL 1013 Cfz: 100pz</p> <p><i>Nylon drainage plug, black Pkg: 100pcs</i></p>

	<b>ACP 50115</b>
	<p>Tappo terminale sotto porta per anta a girare. Abbinare con profilo PL 2059 e guarnizione AGP 4009 Cfz: 1cp</p> <p><i>Plug under door for side-hung door. Combinet with PL 2059 and AGP 4009 Pkg: 1pair</i></p>

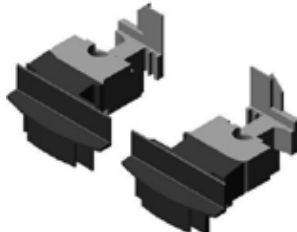
	<b>ACP 50128C</b>
	<p>Cover in alluminio, da abbinare ad ACP 50128. Disponibile in tutte le finiture, verniciate ed ossidate. Cfz: 100 pz</p> <p><i>Alluminium cover to ACP 50128. Pkg: 100 pcs</i></p>

	<b>ACP 50119</b>
	<p>Kit tappi inversione bilico orizzontale per TT 7120 Cfz: 1 kit</p> <p><i>Horizontal pivot plug for 7120 Pkg: 1 kit</i></p>



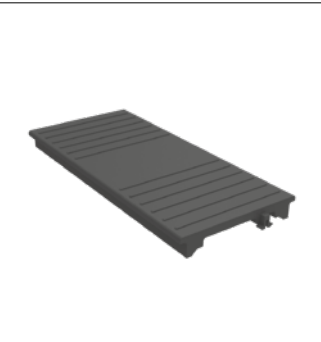
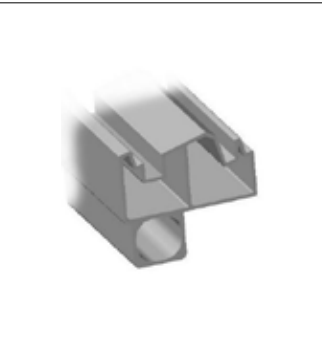


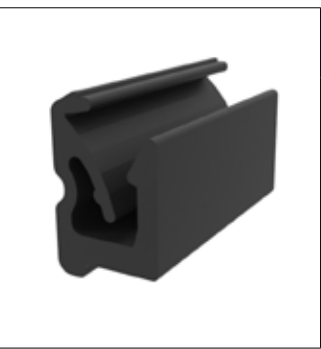



	<b>ACP 7272</b>
	<p>Tappo sotto porta per UP 71835/ UP 71735 Cfz: 20 coppie</p> <p><i>Under door plug for UP71835/ UP71735 Pkg: 20 pairs</i></p>

	<b>ACP 50119V</b>
	<p>Kit tappi inversione bilico verticale per TT 7120 Cfz: 1 kit</p> <p><i>Vertical pivot plug for 7120 Pkg: 1 kit</i></p>

	<b>ACP 7273</b>
	<p>Tappo sotto porta per UP 71837 / UP 71737 Cfz: 20 coppie</p> <p><i>Under door plug for UP71837/ UP71737 pkg: 20 pairs</i></p>

	<b>ACP 72178M</b>
	<p>Tappo riporto centrale versione doppia battuta Planet 72 UP Cfz: 20 coppie</p> <p><i>Central plug for double rebate version Pkg: 20 couple pcs</i></p>



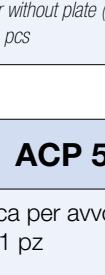
	<p><b>ACP 72179M</b></p> <p>Tappo riporto centrale per versione giunto aperto Planet 72 UP Cfz: 20 pz</p> <p><i>Central plug for open joint Pkg: 20 pcs</i></p>	<p>THERMOPOSA</p> 	<p><b>ACP 50539</b></p> <p>Regolo obliquo in nylon per turbovite Cfz: 100 pz</p> <p><i>Nylon wall spacer Pkg: 100 pcs</i></p>
	<p><b>ACP 72134</b></p> <p>Appoggio vetro Cfz: 80 pz</p> <p><i>Glass support Pkg: 80 pcs</i></p>		<p><b>ACP 50537</b></p> <p>Dima di posizionamento per foratura profilo per applicazione ACP 50536/ACP 50539 Cfz: 1pz</p> <p><i>Profile drilling position template for fitting ACP 50536 Pkg: 1 pcs</i></p>
	<p><b>ACP 5014</b></p> <p>Angolo fermavetro tondo Cfz: 160 pz</p> <p><i>Round glazing bead corner Pkg: 160 pcs</i></p>	<p>THERMOPOSA</p> 	<p><b>ACP 50535</b></p> <p>Fresa a due diametri 9/19mm applicazione regolo obliquo ACP 50539 Cfz: 1 pz</p> <p><i>Two diameter cutter for wall spacer fitting Pkg: 1 pcs</i></p>
	<p><b>ACP 50122</b></p> <p>Clip fermavetro Cfz: 200 pz</p> <p><i>Glazing bead clip Pkg: 200 pcs</i></p>		<p><b>ACP 50538</b></p> <p>Fresa a due diametri 7/14mm applicazione regolo obliquo ACP 50536 Cfz: 1 pz</p> <p><i>Two diameter cutter for fitting wall spacer fitting Pkg: 1 pcs</i></p>
	<p><b>ACP 50536</b></p> <p>Regolo obliquo in zama per viti tradizionali Cfz: 100 pz</p> <p><i>Zamak wall spacer Pkg: 100 pcs</i></p>		<p><b>ACP 50118</b></p> <p>Nastro magnetico in acciaio per sistema oscurante Easysun per PL 1325 Cfz: 240m</p> <p><i>Easysun magnetic tape for PL1325 Pkg: 240m</i></p>



	<b>ACP 5093</b>
	Tappi cassonetto Cfz: 1 coppia  <i>Box covers Pkg: 1 couple pcs</i>

	<b>ACP 50117D</b>
	Mensola destra per supporto a squadra ACP 50220 Cfz: 1 pz  <i>Right bracket for square support ACP 50220 Pkg: 1 pcs</i>

	<b>ACP 5095</b>
	Inviti guida tapparella Cfz: 50 cp  <i>Roller shutter guide supports Pkg: 50 pairs</i>

	<b>ACP 50117S</b>
	Mensola sinistra per supporto a squadra ACP 50220 Cfz: 1 pz  <i>Left bracket for square support ACP 50220 Pkg: 1 pcs</i>

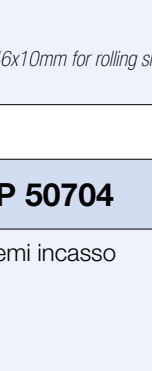
	<b>ACP 50010</b>
	Avvolgitore senza placca Cfz: 1 pz  <i>Winder without plate (5 m) Pkg: 1 pcs</i>

	<b>ACP 50220</b>
	Supporto a squadra 46X10mm rullo tapparella Cfz: 1 pz  <i>Square bracket 46x10mm for rolling shutter Pkg: 1 pcs</i>

	<b>ACP 50011</b>
	Placca per avvolgitore Cfz: 1 pz  <i>Plate for winder Pkg: 1 pcs</i>

	<b>ACP 50704</b>
	Cassetta semi incasso Cfz: 1 pz  <i>Semi-embedded box Pkg: 1 pcs</i>

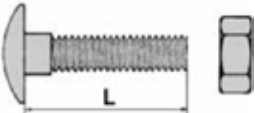
	<b>ACP 50095</b>
	Guida cinghia a cassonetto Cfz: 1 pz  <i>Box belt guide Pkg: 1 pcs</i>

	<b>ACP 50705</b>
	Avvolgitore con placca nera per cinghia tapparella Cfz: 1 pz  <i>Winder with black plate for roller shutter belt Pkg: 1 pcs</i>

## ELENCO ACCESSORI PER GIUNZIONE

	<b>ACP 50825</b>
	<p>Puleggia da 180mm Cfz: 1 pz</p> <p><i>180mm pulley Pkg: 1 pcs</i></p>

	<b>ACP 50832</b>
	<p>Calotta di supporto per rullo Cfz: 1 pz</p> <p><i>Roller support cover Pkg: 1 pcs</i></p>

	<b>ACP 51520</b>
	<p>Vite di fissaggio supporto/ mensole Cfz: 200 pz</p> <p><i>Support/bracket fastening screw Pkg: 200 pcs</i></p>

	<b>ACP 51001</b>
	<p>Guida cinghia da montante Cfz: 200 pz</p> <p><i>Jamb belt guide Pkg: 200 pcs</i></p>


	<b>ACP 51190</b>
	<p>Boccola di giunzione rullo/ puleggia rullo/calotta Cfz: 1 pz</p> <p><i>Joint bushing, for roller/pulley and roller/ cover Pkg: 1 pcs</i></p>

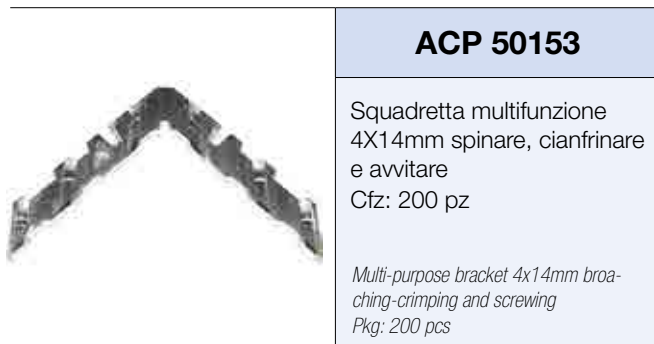
	<b>ACP 5002</b>
	<p>Squadretta 23X14mm a pulsante Ø10mm Strong - filettata Cfz: 250pz</p> <p><i>Corner bracket 23x14mm with push-button Ø10mm Strong - threaded Pkg: 250pcs</i></p>

	<b>ACP 5008</b>
	<p>Squadretta allineamento in acciaio inox Cfz: 400pz</p> <p><i>Alignment corner joint, stainless steel Pkg: 400pcs</i></p>

	<b>ACP 5084</b>
	<p>Squadretta allineamento con vite di tiraggio per telai e imbotti Cfz: 250 pz</p> <p><i>Alignment corner bracket with tightening screw for frames and wall profiles Pkg: 250 pcs</i></p>

	<b>ACP 50110</b>
	<p>Squadretta allineamento con eccentri di tiraggio per ante Cfz: 250 pz</p> <p><i>Alignment corner bracket with tightening eccentrics Pkg: 250 pcs</i></p>

	<b>ACP 50127</b>
	<p>Squadretta allineamento da incollare Cfz: 250 pz</p> <p><i>Alignment bracket to glue Pkg: 250 pcs</i></p>



### ACP 50153

Squadretta multifunzione  
4X14mm spinare, cianfrinare  
e avvitare  
Cfz: 200 pz

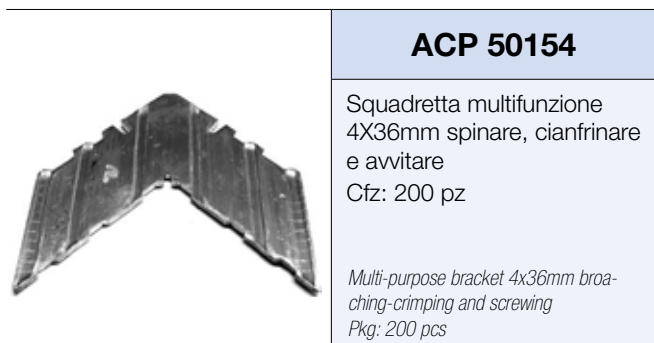
*Multi-purpose bracket 4x14mm braaching-crimping and screwing  
Pkg: 200 pcs*



### ACP 7208

Cavallotto di allineamento  
scocca esterna profili  
raggiati  
Cfz: 250 dx, 250 sx pz

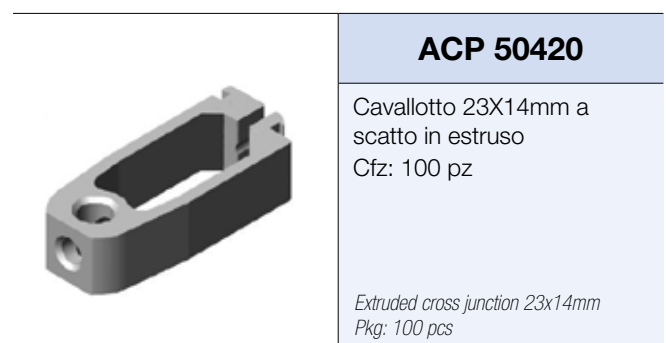
*Cross junction for rounded profiles  
Pkg: 250 R - 250 L pcs*



### ACP 50154

Squadretta multifunzione  
4X36mm spinare, cianfrinare  
e avvitare  
Cfz: 200 pz

*Multi-purpose bracket 4x36mm braaching-crimping and screwing  
Pkg: 200 pcs*



### ACP 50420

Cavallotto 23X14mm a  
scatto in estruso  
Cfz: 100 pz

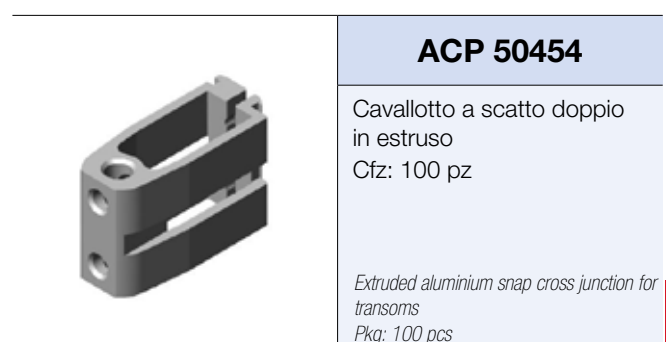
*Extruded cross junction 23x14mm  
Pkg: 100 pcs*



### ACP 5030

Spina Ø3mm per squadrette  
ACP 50153 e ACP 50154  
con manico  
Cfz: 400pz

*Pin, Ø3mm., with grip for ACP 50153 and  
ACP 50154 multifunction corner cleats  
Pkg: 400pcs*



### ACP 50454

Cavallotto a scatto doppio  
in estruso  
Cfz: 100 pz

*Extruded aluminium snap cross junction for  
transoms  
Pkg: 100 pcs*



### ACP 50155

Vite inox per squadrette  
multifunzione ACP 50153 e  
ACP 50154  
Cfz: 400 pz

*Stainless steel screw for multipurpose cor-  
ner brackets ACP 50153 and ACP 50154  
Pkg: 400 pcs*



### AC 2001

Vite trilobata  
automaschiante per  
ACP 50420 e ACP 50454  
Cfz: 250pz

*Trilobate screw for acp 50420 and  
ACP 50454  
Pkg: 250pcs*



### ACP 7207

Cavallotto di allineamento  
scocca esterna profili dritti  
Cfz: 250 dx, 250 sx pz











*Cross junction for flate frame  
Pkg: 250 R - 250 L pcs*



### ACP 5501

Squadretta maggiorata  
23X35mm a pulsante  
Cfz: 250 pz

*Oversized bracket 23x35mm with  
push-button  
Pkg: 250 pcs*


	<p align="center"><b>ACP 5502</b></p> <p>Squadretta piccola a bottone 17.5X15mm Cfz: 250 pz</p> <p><i>Bracket 17.5x15mm with push-button Pkg: 250 pcs</i></p>		<p align="center"><b>ACP 5801 M</b></p> <p>Squadretta 23X14mm multifunzione, avvitare, spinare e cianfrinare Cfz: 200 pz</p> <p><i>Multi-purpose bracket 23x14mm, screwing, broaching and crimping Pkg: 200 pcs</i></p>
	<p align="center"><b>ACP 5504</b></p> <p>Squadretta 23X14mm estrusa angolo variabile min. 30° max.178° Cfz: 20 pz</p> <p><i>Bracket 23x14mm, variable angle, min 30° max 178° Pkg: 20 pcs</i></p>		<p align="center"><b>ACP 5802</b></p> <p>Squadretta maggiorata 23X35mm multifunzione, avvitare, spinare e cianfrinare Cfz: 100 pz</p> <p><i>Multi-purpose bracket 23x135mm, screwing, broaching and crimping Pkg: 100 pcs</i></p>
	<p align="center"><b>ACP 5506</b></p> <p>Squadretta maggiorata 23X35mm estrusa angolo variabile min. 55° max.315° Cfz: 20 pz</p> <p><i>Oversized bracket 23x35mm, variable angle, min 55° max 315° Pkg: 20 pcs</i></p>		<p align="center"><b>ACP 5001</b></p> <p>Vite Ø8mm per squadrette multifunzione ACP 7001, ACP 5801M, ACP 5802 Cfz: 1000pz</p> <p><i>Screw Ø8mm for multi-function corner cleat ACP 7001, ACP 5801M, ACP 5802 Pkg: 1000pcs</i></p>
	<p align="center"><b>ACP 5521</b></p> <p>Cavalotto a pulsante 23X14mm in pressofuso Cfz: 250 coppie</p> <p><i>Cross junction 23x14mm, die-cast, with push-button Pkg: 250 pairs</i></p>		<p align="center"><b>ACP 5800</b></p> <p>Spina per squadretta multifunzione ACP 7001/5801M/5802 Cfz: 500 pz</p> <p><i>Pin for multifunction corner cleat ACP 7001 and ACP 5801M / 5802 Pkg: 500 pcs</i></p>
	<p align="center"><b>ACP 7001</b></p> <p>Squadretta piccola multifunzione 17.5X15mm avvitare, spinare e cianfrinare Cfz: 250 pz</p> <p><i>Multi-purpose bracket 17.5x15mm, screwing, broaching and crimping Pkg: 250 pcs</i></p>		<p align="center"><b>ACP 5805</b></p> <p>Squadretta pressofusa 23X14mm angolo variabile min.60° max 120° Cfz: 20 pz</p> <p><i>Bracket 23x14mm variable angle - strong min 60° max 120° Pkg: 20 pcs</i></p>

## ELENCO ACCESSORI DI CHIUSURA


	<b>ACP 5821</b>
	<p>Cavalotto 23X14mm in pressofuso con grano e codulo Cfz: 250 pz</p> <p><i>Cross junction 23x14mm die-cast with dowel and shank Pkg: 250 pcs</i></p>

	<b>ACP 50552</b>
	<p>Martellina Aurora 0°-90°-180° quadro 7mm Cfz: 10 pz</p> <p><i>Aurora Martellina handle 0°- 90°-180° Pkg: 10 pcs</i></p>


	<b>ACP 50425</b>
	<p>Cavalotto cava fermavetro per inglesine Cfz: 1 pz</p> <p><i>Clamp glazing bead for inglesine Pkg: 1 pcs</i></p>


	<b>ACP 50400</b>
	<p>Cremonese Aurora bidirezionale Cfz: 10 pz</p> <p><i>Bidirectional Cremonese Aurora handle Pkg: 10 pcs</i></p>


	<b>ACP 50401</b>
	<p>Cremonese Aurora monodirezionale per anta ribalta e scorrevole parallelo Cfz: 10 pz</p> <p><i>Monodirectional Cremonese Aurora handle for tilt &amp; turn and parallel slide Pkg: 10 pcs</i></p>

	<b>ACP 50432</b>
	<p>Impugnatura per cremonese Aurora ACP 50433/50434 Cfz: 20 pz</p> <p><i>Cremonese Aurora handle for ACP 50433/50434 Pkg: 20 pcs</i></p>


	<b>ACP 50433</b>
	<p>Cremonese Aurora bidirezionale senza impugnatura Cfz: 10 pz</p> <p><i>Bidirectional Cremonese Aurora handle Pkg: 10 pcs</i></p>

	<b>ACP 50434</b>
	<p>Cremonese Aurora monodirezionale senza impugnatura Cfz: 10 pz</p> <p><i>Monodirectional Cremonese Aurora handle Pkg: 10 pcs</i></p>

	<b>ACP 50310</b>
	<p>Maniglia EXENS linea tonda Cfz: 10 pz</p> <p><i>EXENS Rounded handle Pkg: 10 pcs</i></p>

	<b>ACP 50318</b>
	<p>Doppia maniglia EXENS linea Aurora per porte Cfz: 10 cp</p> <p><i>Double Aurora EXENS handle for door Pkg: 10 Pairs</i></p>


	<b>ACP 50321</b>
	<p>Maniglia EXENS linea tonda con chiave Cfz: 10 pz</p> <p><i>Rounded key-handle without plate Pkg: 10 pcs</i></p>

	<b>ACP 50445</b>
	<p>Blocchetti collegamento cremonese in poliammide grigia Cfz: 160 pz</p> <p><i>Grey polyamide connection pieces for Cremonese handle Pkg: 160 pcs</i></p>



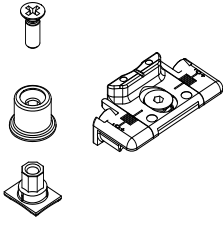


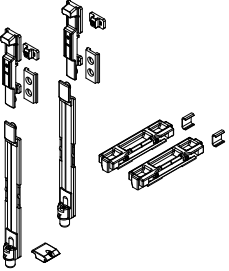

	<b>ACP 50313</b>
	<p>Maniglia EXENS squadrata Cfz: 10 pz</p> <p><i>EXENS squared handle Pkg: 10 pcs</i></p>

	<b>ACP 50314</b>
	<p>Maniglia EXENS linea Aurora Cfz: 1 pz</p> <p><i>Aurora EXENS handle Pkg: 1 pcs</i></p>


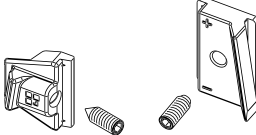








	<b>ACP 50322</b>
	<p>Maniglia EXENS linea squadrata con chiave Cfz: 10 pz</p> <p><i>Squared key-handle without plate Pkg: 10 pcs</i></p>

	<b>ACP 50330</b>
	<p>Maniglia EXENS linea Aurora quadro 7mm Cfz: 10 pz</p> <p><i>EXENS Aurora line square 7mm Pkg: 10 pcs</i></p>

	<b>ACP 50439</b>
	<p>Doppia maniglia Aurora per porte Cfz: 5 cp</p> <p><i>Aurora double handle for door Pkg: 5 pairs</i></p>

	<p><b>ACP 50341</b></p> <p>Basetta copricilindro per doppia maniglia Aurora Cfz: 20 pz</p> <p><i>Base for cylinder dust cap for Aurora double handle</i> Pkg: 20 pcs</p>		<p><b>ACP 50482</b></p> <p>Incontro asta doppio in nylon nero Cfz: 100 pz</p> <p><i>Metal single rod keeper</i> Pkg: 100 pcs</p>
	<p><b>ACP 50422</b></p> <p>Catenacciolo in poliammide grigia Cfz: 50 pz</p> <p><i>Grey nylon bolt</i> Pkg: 50 pcs</p>		<p><b>ACP 50421</b></p> <p>Punto di chiusura registrabile in zama Cfz: 10 kit</p> <p><i>Adjustable locking point</i> Pkg: 10 kit</p>
	<p><b>ACP 50525</b></p> <p>Terminale asta in poliammide grigia Cfz: 50 pz</p> <p><i>Rod terminal</i> Pkg: 50 pcs</p>		<p><b>ACP 50226</b></p> <p>Piastrina sostegno anta in poliammide grigia Cfz: 500 pz</p> <p><i>Plastic support for leaf</i> Pkg: 500 pcs</p>
	<p><b>ACP 50452</b></p> <p>Kit catenacci in zama anta abbinata per battente standard e anta ribalta (con terminale registrabile e 2 incontri). Cfz: 10 kit</p> <p><i>Zamak bolt kit for matching leaf for standard and tilt leaf (with adjustable and piece and 2 strikers)</i> Pkg: 10 kits</p>		<p><b>ACP 50312</b></p> <p>Movimento bidirezionale per maniglia EXENS Cfz: 1 pz</p> <p><i>EXENS bidirectional mechanism for EXENS handle</i> Pkg: 1 pcs</p>
	<p><b>ACP 50582</b></p> <p>Incontro asta singolo in nylon nero Cfz: 100 pz</p> <p><i>Nylon keeper single rod</i> Pkg: 100 pcs</p>		<p><b>ACP 50267</b></p> <p>Meccanismo martellina bidirezionale per bilico Ent. 23/35 mm. Abbinare con ACP 50268 Cfz: 20 pz</p> <p><i>Bidirectional Martellina handle mechanism for pivot window</i> Pkg: 20 pcs</p>



	<p><b>ACP 50268</b></p> <p>Perno di collegamento per ACP 50267 L = 31 mm Cfz: 100 pz</p> <p><i>Connecting pin for ACP50267, L=31mm Pkg: 100 pcs</i></p>		<p><b>ACP 51454</b></p> <p>Rostro per ferramenta standard Cfz: 50 pz</p> <p><i>Rostrum for standard hardware Pkg: 50 pcs</i></p>
	<p><b>ACP 5199N</b></p> <p>Meccanismo martellina bidirezionale per battente, quadro 7mm Cfz: 10 pz</p> <p><i>Bidirectional handle mechanism for casement windows, 7mm Pkg: 10 pcs</i></p>		<p><b>ACP 9918 N</b></p> <p>Cerniera Strong EVO a 2 ali per telai piani Portata: 120 Kg (2 cerniere) 150 Kg (3 cerniere) Cfz: 20 pz</p> <p><i>2-wing Strong EVO hinge for flat frame Pkg: 20 pcs</i></p>
	<p><b>ACP 50475</b></p> <p>Kit finestra battente 1 anta in poliammide grigia: blocchetti di collegamento, incontri, terminali asta, piastrino sostegno anta, piastrini chiudi cerniere Cfz: 10 kit</p> <p><i>1-leaf casement windows kit Pkg: 10 kit</i></p>		<p><b>ACP 9938 N</b></p> <p>Cerniera Strong EVO a 2 ali, 3° anta e telai complanari Portata: 120 Kg (2 cerniere) 150 Kg (3 cerniere) Cfz: 20 pz</p> <p><i>2-wing 3rd leaf and flat frame Strong EVO hinge Pkg: 20 pcs</i></p>
	<p><b>ACP 50405</b></p> <p>Cerniera premontata, per telai piani. Cfz: 50 pz</p> <p><i>Hinge for flat frames. Pkg: 50 pcs</i></p>		<p><b>ACP 9963/60</b></p> <p>Cerniera frontale, 3 ali interasse 60mm Cfz: 10 pz</p> <p><i>3 wings frontal hinge, 60mm Pkg: 10 pcs</i></p>
	<p><b>ACP 50407</b></p> <p>Cerniera terza anta/ telai complanari piastrini premontati Cfz: 20 pz</p> <p><i>Third leaf hinge / coplanar frames with pre-assembled plates Pkg: 20 pcs</i></p>		<p><b>ACP 9963/93</b></p> <p>Cerniera frontale, 3 ali interasse 93 mm Cfz: 10 pz</p> <p><i>3 wings frontal hinge, 93mm Pkg: 10 pcs</i></p>



	<b>ACP 9964/60</b>
	<p>Cerniere frontale 2 ali interasse 60 mm Cfz: 20 pz</p> <p><i>2 wings frontal hinge, 60mm Pkg: 20 pcs</i></p>

	<b>ACP 9964/93</b>
	<p>Cerniere frontale 2 ali inte- rresse 93 mm Cfz: 20 pz</p> <p><i>2 wings frontal hinge, 93mm Pkg: 20 pcs</i></p>

	<b>ACP 9909</b>
	<p>Spessore 8mm per cerniere ad applicazione frontale Cfz: 50 pz</p> <p><i>8mm thickness for frontal hinges Pkg: 50 pcs</i></p>

	<b>ACP 9915</b>
	<p>Spessore 7mm per cerniere ad applicazione frontale Cfz: 50 pz</p> <p><i>7mm thickness for frontal hinges Pkg: 50 pcs</i></p>


	<b>ACP 99130</b>
	<p>Distanziatore 35-50mm per cerniere ad applicazione centrale su profilo ad aper- tura esterna Cfz: 40 pz</p> <p><i>35-50mm thickness for frontal hinges - matching with putward opening profile Pkg: 40 pcs</i></p>

	<b>ACP 9973</b>
	<p>Kit fissaggio cerniere applicazione frontale 2 ali Cfz: 10 pz</p> <p><i>2-wings front hinge kit Pkg: 10 pcs</i></p>

	<b>ACP 9974</b>
	<p>Kit fissaggio cerniere applicazione frontale 3 ali Cfz: 10 pz</p> <p><i>3-wings front hinge kit Pkg: 10 pcs</i></p>

	<b>ACP 9998</b>
	<p>Dima di foratura per cerniere applicazione frontale Cfz: 1 pz</p> <p><i>Front hinge holes template Pkg: 1 pcs</i></p>

	<b>ACP 5012</b>
	<p>Cerniera vasistas scatto singolo Cfz: 10 cp</p> <p><i>Hinge, single snap for boom hung open in Pkg: 10 pairs</i></p>


	<b>ACP 5010</b>
	<p>Cerniera vasistas doppio scatto Cfz: 20 cp</p> <p><i>Hinge, double snap for boom hung Pkg: 20 pairs</i></p>


legenda / legend


QAPE = quota anta punta esterna / external tip leaf share


	<b>ACP 5166</b>
	<p>SECRET VASISTAS Kit Cerniere per infissi fino a 2.500 mm di larghezza Portata: 250 kg Cfz: 10 kit</p> <p><i>SECRET - VASISTAS Hinges Kit for windows up to 2,500 mm wide. Capacity 250kg Pkg: 10 kit</i></p>


	<b>ACP 5167</b>
	<p>SECRET Sostegno anta da abbinare al kit ACP 5166 Cfz: 10 kit</p> <p><i>SECRET - Support for leaf to combine with the ACP 5166 kit Pkg: 10 kit</i></p>

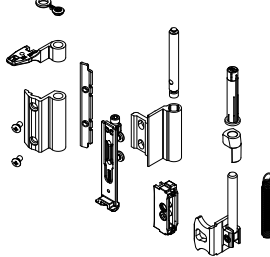
	<b>ACP 50411</b>
	<p>Bracci sporgere telescopici a coppie Cfz: 10 cp</p> <p><i>Top-hinged telescopic arms for projected windows Pkg: 10 pairs</i></p>

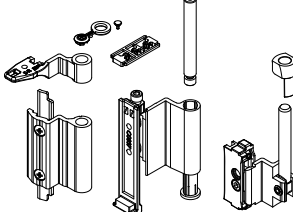
	<b>ACP 5165</b>
	<p>Braccio limitatore di apertura per battenti anta ribalta Standard e SECRET e Vasistas (fino a 130 Kg) Cfz: 10 pz <i>Limit stay arm for Standard and SECRET and Vasistas tilt and turn hinges (up to 130 Kg) Pkg: 10 pcs</i></p>

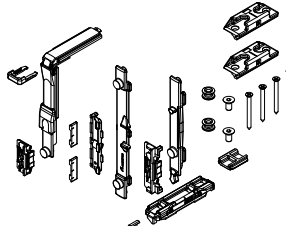
	<b>ACP 5171</b>
	<p>Kit Vasistas per cerniere ACP 5166 Cfz: 10 pz</p> <p><i>Vasistas Kit for ACP 5166 hinges Pkg: 10 pcs</i></p>

	<b>ACP 5017</b>
	<p>Cricchetto vasistas applicazione rapida Cfz: 50 pz</p> <p><i>Quick fitting finger catch Pkg: 50 pcs</i></p>

	<b>ACP 50448</b>
	<p>Traino per cremonese monodirezionale per scorrevole parallelo Cfz: 10 pz</p> <p><i>Towing for monodirectional cremone bolt for parallel sliding Pkg: 10 pcs</i></p>

	<b>ACP 50456</b>
	<p>Kit cerniere per anta abbinata telai piani (Sormonto interno) Cfz: 10 pz</p> <p><i>Hinge kit to combine leaf to flat frame Pkg: 10 pcs</i></p>

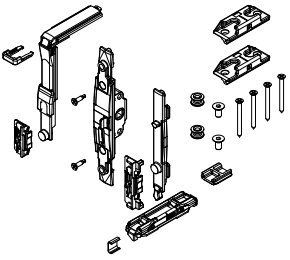
	<b>ACP 50457</b>
	<p>Kit cerniere per telai complanari Cfz: 1 kit</p> <p><i>T/T hinges for coplanar frames Pkg: 1 kit</i></p>

	<b>ACP 50476</b>
	<p>Kit a/r standard e SECRET con traino per cremonese e 2 funghetti anti effrazione Cfz: 10 kit</p> <p><i>T/T kit with drive standard and SECRET for cremone bolt and 2 anti-burglary locking point Pkg: 10 kits</i></p>

CREMONESE

legenda / legend

QAPE = quota anta punta esterna / external tip leaf share

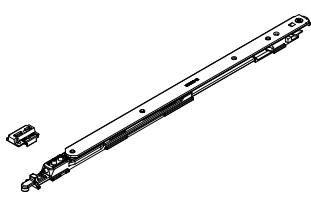


**ACP 50477**

Kit a/r standard e SECRET con meccanismo martellina e 2 funghetti anti effrazione  
Cfz: 10 kit

*T/T kit standard and SECRET with handle mechanism and 2 anti-burglary locking point*  
Pkg: 10 kits

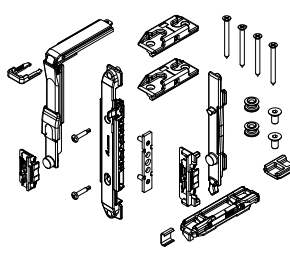
MARTELLINA



**ACP 50446/538**

Braccio ribalta lungo ante da 701/1800mm da abbinare ad ACP 50476 e ACP 50477  
- QAPE  
Cfz: 10 pz

*Long tilt arm for doors 701/1800mm*  
Pkg: 10 pcs

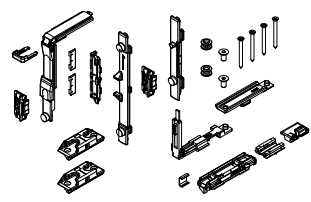


**ACP 50478**

Kit a/r standard e SECRET con meccanismo EXENS e 2 funghetti anti effrazione  
Cfz: 10 kit

*T/T kit standard and SECRET with EXENS mechanism and 2 anti-burglary locking point*  
Pkg: 10 kits

EXENS

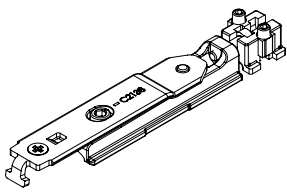


**ACP 50481**

Kit a/r con traino cremonese per manovra **logica**  
Cfz: 10 kit

*T/T kit with cremone bolt drive for logical maneuver*  
Pkg: 10 kits

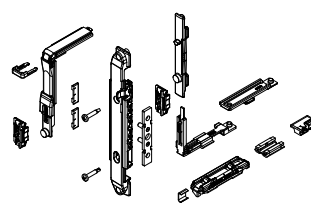
CREMONESE



**ACP 50459**

Adattatore anta abbinata per cerniere ACP 50456 o ACP 50457  
Cfz: 10 pz

*Matching door adapter for ACP 50456 and ACP 50457 hinges*  
Pkg: 10 pcs

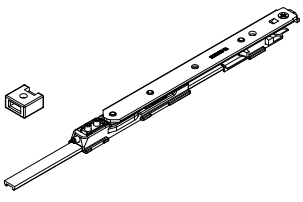


**ACP 50323**

Kit a/r standard e SECRET con meccanismo EXENS per manovra **logica**  
Cfz: 10 kit

*T/T kit standard and SECRET with EXENS mechanism for logic operation*  
Pkg: 10 kits

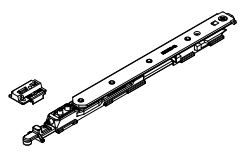
EXENS



**ACP 50446/350**

Braccio ribalta extra corto ante da 350/410mm da abbinare ad ACP 50476 o ACP 50477  
- QAPE  
Cfz: 10 pz

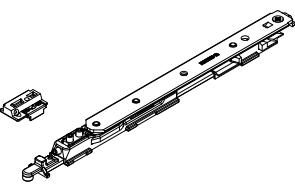
*Extra short tilt arm 350/410mm*  
Pkg: 10 pcs



**ACP 50546/415**

Braccio ribalta corto ante da 410/700mm manovra **logica**  
- QAPE  
Cfz: 10 pz

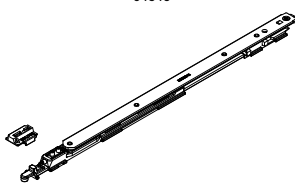
*Short tilting arm 410/700mm logic operation*  
Pkg: 10 pcs



**ACP 50446/415**

Braccio ribalta corto ante da 410/700mm da abbinare ad ACP 50476 e ACP 50477  
- QAPE  
Cfz: 10 pz

*Short tilt arm 410/700 mm*  
Pkg: 10 pcs



**ACP 50546/538**

Braccio ribalta lungo 550/1800mm manovra **logica**  
- QAPE  
Cfz: 10 pz

*Long tilting arm 550/1800mm logic operation*  
Pkg: 10 pcs

ACCESSORI  
Fittings

## legenda / legend

MT+ML = sia manovra tradizionale, sia manovra logica / both traditional maneuver and logical maneuver







QAPE = quota anta punta esterna / external tip leaf share

	<p><b>ACP 50447</b></p> <p>Kit catenacci per a/r standard (con prolunga alluminio) e SECRET Cfz: 10 kit</p> <p><i>Deadbolt kit for standard round trip (with aluminum extension) and SECRET</i> Pkg: 10 kits</p>		<p><b>ACP 5150/D</b></p> <p>Kit A/R con cerniere a scomparsa SECRET anta destra braccio corto - ante da 472-700 mm - MT+ML - QAPE - portata max <b>100kg</b> Cfz: 10 kit</p> <p><i>SECRET tilt and turn mechanism with concealed hinges, right, short arm</i> - 472-700 mm leaf - MT+ML - QAPE - Max load 100kg Pkg: 10 kits</p>
	<p><b>ACP 5153</b></p> <p>Braccio supplementare per a/r standard e SECRET per ante superiori a 1000mm Cfz: 5 kit</p> <p><i>Additional window arm for T/T standard and SECRET for L&gt;1000mm</i> Pkg: 5 kits</p>		<p><b>ACP 5151/S</b></p> <p>Kit A/R con cerniere a scomparsa SECRET anta sinistra braccio lungo - ante da 600-1500 mm (oltre 1100 mm abbinare a ACP 5153) - MT+ML - QAPE - portata max <b>100kg</b> Cfz: 10 kit</p> <p><i>SECRET tilt and turn mechanism with concealed hinges, left, long arm</i> - 600-1500 mm leaf (over 1100 mm combine with ACP 5153) - MT+ML - QAPE - Max load 100kg Pkg: 10 kits</p>
	<p><b>ACP 5198</b></p> <p>Meccanismo martellina monodirezionale per A/R, quadro 7mm Cfz: 10 pz</p> <p><i>Monodirectional handle mechanism for T/T windows</i> Pkg: 10 pcs</p>		<p><b>ACP 5151/D</b></p> <p>Kit A/R con cerniere a scomparsa SECRET anta destra braccio lungo - ante da 600-1500 mm (oltre 1100 mm abbinare a ACP 5153) - MT+ML - QAPE - portata max <b>100kg</b> Cfz: 10 kit</p> <p><i>SECRET tilt and turn mechanism with concealed hinges, right, long arm</i> - 600-1500 mm leaf (over 1100 mm combine with ACP 5153) - MT+ML - QAPE - Max load 100kg Pkg: 10 kits</p>
	<p><b>ACP 50311</b></p> <p>Movimento monodirezionale per maniglia EXENS Cfz: 1 pz</p> <p><i>EXENS monodirectional mechanism for EXENS handle</i> Pkg: 1 pcs</p>		<p><b>ACP 5150/S</b></p> <p>Kit A/R con cerniere a scomparsa SECRET anta sinistra braccio corto - ante da 472-700 mm - MT+ML - QAPE - portata max <b>100kg</b> Cfz: 10 kit</p> <p><i>SECRET tilt and turn mechanism with concealed hinges, left, short arm</i> - 472-700 mm leaf - MT+ML - QAPE - Max load 100kg Pkg: 10 kits</p>

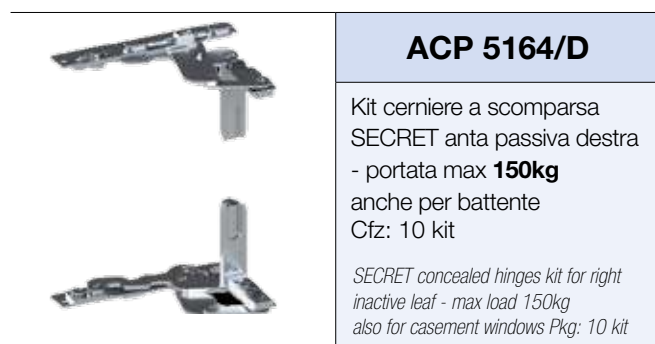
legenda / legend

MT+ML = sia manovra tradizionale, sia manovra logica / both traditional maneuver and logical maneuver

QAPE = quota anta punta esterna / external tip leaf share

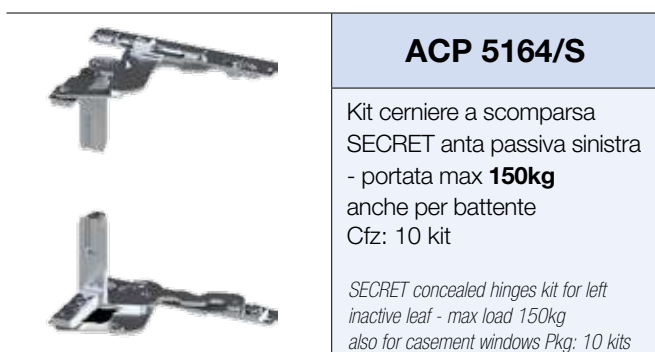
	<p style="text-align: center;"><b>ACP 5161/D</b></p> <p>Kit cerniere a scomparsa SECRET anta passiva destra e anche per battente - portata max <b>100kg</b> Cfz: 10 kit</p> <p><i>SECRET concealed hinges, right and for casement windows Max load 100kg Pkg: 10 kits</i></p>		<p style="text-align: center;"><b>ACP 5162/S</b></p> <p>Kit A/R con cerniere a scomparsa SECRET anta sinistra braccio corto - ante da 472-700 mm - portata max <b>150kg</b> - MT+ML - QAPE Cfz: 10 kit</p> <p><i>SECRET tilt and turn mechanism with concealed hinges, left, short arm - Max load 150kg Pkg: 10 kits</i></p>
	<p style="text-align: center;"><b>ACP 5161/S</b></p> <p>Kit cerniere a scomparsa SECRET anta passiva sinistra e anche per battente - portata max <b>100kg</b> Cfz: 10 kit</p> <p><i>SECRET concealed hinges, left and for casement windows Max load 100kg Pkg: 10 kits</i></p>		<p style="text-align: center;"><b>ACP 5163/D</b></p> <p>Kit A/R con cerniere a scomparsa SECRET anta destra braccio lungo - ante da 600-1500mm (oltre 1000mm abbinare a ACP 5153) - portata max <b>150kg</b> - MT+ML - QAPE Cfz: 10 kit</p> <p><i>SECRET tilt and turn mechanism with concealed hinges, right, long arm - Max load 150kg Pkg: 10 kits</i></p>
	<p style="text-align: center;"><b>ACP 5162/D</b></p> <p>Kit A/R con cerniere a scomparsa SECRET anta destra braccio corto - ante da 472-700 mm - portata max <b>150kg</b> - MT+ML - QAPE Cfz: 10 kit</p> <p><i>SECRET tilt and turn mechanism with concealed hinges, right, short arm - Max load 150kg Pkg: 10 kits</i></p>		<p style="text-align: center;"><b>ACP 5163/S</b></p> <p>Kit A/R con cerniere a scomparsa SECRET anta sinistra braccio lungo - ante da 600-1500mm (oltre 1000mm abbinare a ACP 5153) - portata max <b>150kg</b> - MT+ML - QAPE Cfz: 10 kit</p> <p><i>SECRET tilt and turn mechanism with concealed hinges, left, long arm - Max load 150kg Pkg: 10 kits</i></p>



**ACP 5164/D**

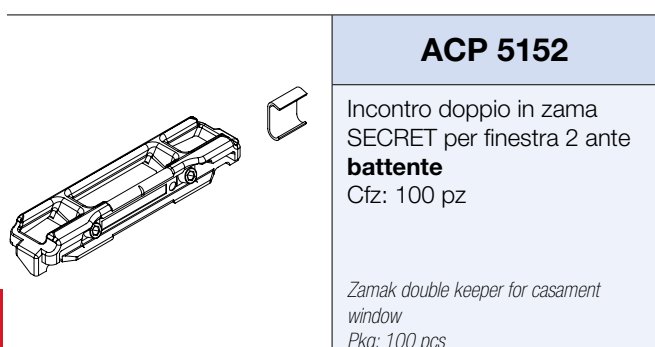
Kit cerniere a scomparsa  
SECRET anta passiva destra  
- portata max **150kg**  
anche per battente  
Cfz: 10 kit

*SECRET concealed hinges kit for right  
inactive leaf - max load 150kg  
also for casement windows Pkg: 10 kit*

**ACP 5164/S**

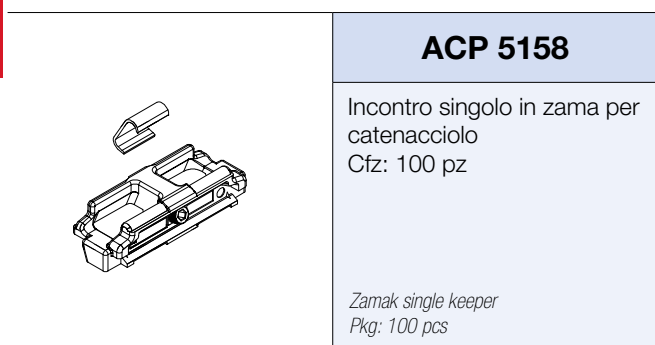
Kit cerniere a scomparsa  
SECRET anta passiva sinistra  
- portata max **150kg**  
anche per battente  
Cfz: 10 kit

*SECRET concealed hinges kit for left  
inactive leaf - max load 150kg  
also for casement windows Pkg: 10 kits*

**ACP 5152**

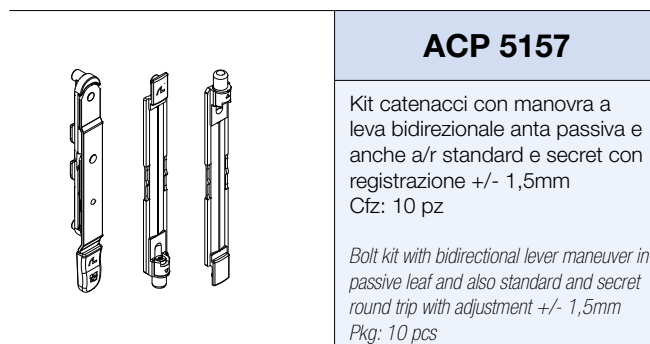
Incontro doppio in zama  
SECRET per finestra 2 ante  
**battente**  
Cfz: 100 pz

*Zamak double keeper for casement  
window  
Pkg: 100 pcs*

**ACP 5158**

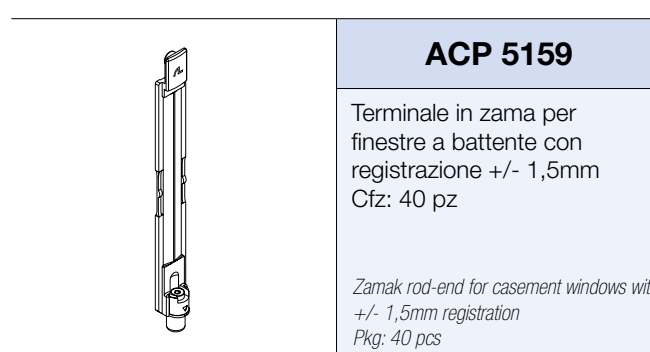
Incontro singolo in zama per  
catenacciolo  
Cfz: 100 pz

*Zamak single keeper  
Pkg: 100 pcs*

**ACP 5157**

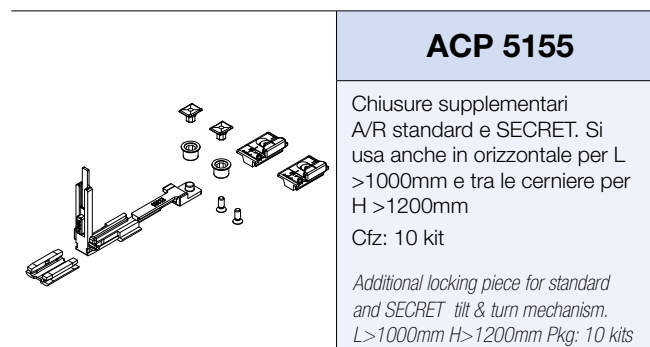
Kit catenacci con manovra a  
leva bidirezionale anta passiva e  
anche a/r standard e secret con  
registrazione +/- 1,5mm  
Cfz: 10 pz

*Bolt kit with bidirectional lever maneuver in  
passive leaf and also standard and secret  
round trip with adjustment +/- 1,5mm  
Pkg: 10 pcs*

**ACP 5159**

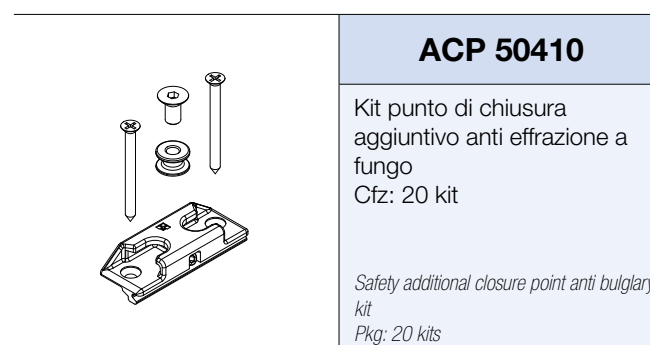
Terminale in zama per  
finestre a battente con  
registrazione +/- 1,5mm  
Cfz: 40 pz

*Zamak rod-end for casement windows with  
+/- 1,5mm registration  
Pkg: 40 pcs*

**ACP 5155**

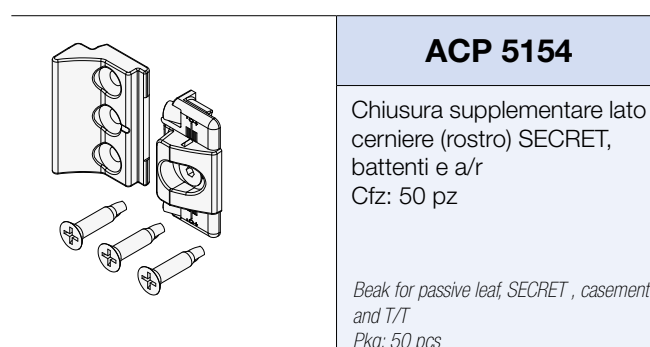
Chiusure supplementari  
A/R standard e SECRET. Si  
usa anche in orizzontale per L  
>1000mm e tra le cerniere per  
H >1200mm  
Cfz: 10 kit

*Additional locking piece for standard  
and SECRET tilt & turn mechanism.  
L>1000mm H>1200mm Pkg: 10 kits*

**ACP 50410**


Kit punto di chiusura  
aggiuntivo anti effrazione a  
fungo  
Cfz: 20 kit

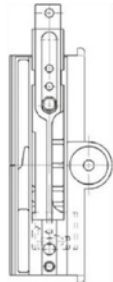
*Safety additional closure point anti burglar  
kit  
Pkg: 20 kits*

**ACP 5154**

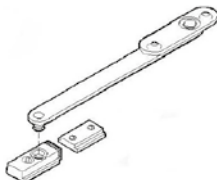
Chiusura supplementare lato  
cerniere (rostro) SECRET,  
battenti e a/r  
Cfz: 50 pz

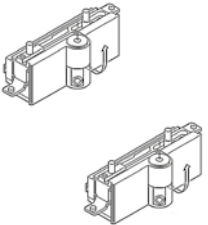
*Beak for passive leaf, SECRET, casement  
and T/T  
Pkg: 50 pcs*

	<b>ACP 5156</b>
	<p>Catenaccio anta passiva a spinta per battenti, a/r, standard e SECRET. Cfz: 10 pz</p> <p><i>Bolt for passive leaf, casement windows, T/T standard and SECRET. Pkg: 10 pcs</i></p>


	<b>ACP 50102S</b>
	<p>Asta di trasmissione per frizione ACP 5092V per bilico verticale sinistro Cfz: 1 pz</p> <p><i>Transmission rod for friction joint ACP 5092V left vertical pivot Pkg: 1 pcs</i></p>

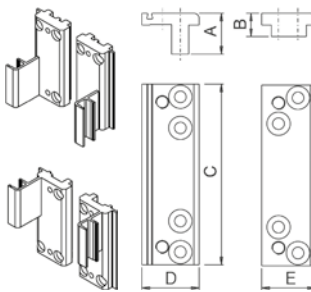
	<b>ACP 5092</b>
	<p>Kit cerniera a frizione bilico orizzontale portata 175kg. Da abbinare con kit tappi ACP 5049 Cfz: 1 kit (1 coppia)</p> <p><i>Kit hinge friction joint for horizontal pivot window, capacity 175kg to be combined with cap kit ACP 5049 Pkg: 1 kit (1 pair)</i></p>

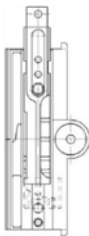
	<b>ACP 50103</b>
	<p>Limitatore di apertura per frizioni bilico ACP 5092 e ACP 5092V Cfz: 1 pz</p> <p><i>Opening restrictor for pivot friction joint ACP 5092 and ACP 5092V Pkg: 1 pcs</i></p>

	<b>ACP 5092V</b>
	<p>Kit cerniera a frizione bilico verticale portata 175kg. Abbinare asta di trasmissione ACP 50102 dx o sx. Da abbinare con kit tappi ACP 50119V Cfz: 1 kit (1 coppia)</p> <p><i>Friction joint for horizontal pivot window, capacity 175kg to be combined with cap kit ACP 50119V Pkg: 1 kit (1 pair)</i></p>

	<b>ACP 5091M</b>
	<p>Frizione bilico senza piastre portata per bilico orizzontale 120kg, per bilico verticale 100kg Cfz: 4pz</p> <p><i>Pivoting clutch without plates Pkg: 4 pcs</i></p>

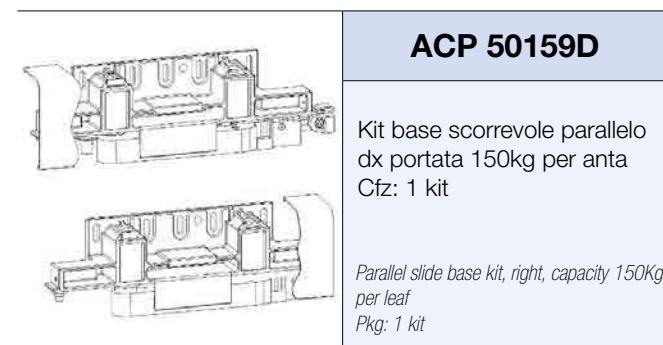
	<b>ACP 5094</b>
	<p>Spessore in acciaio inox di compenso tra frizione bilico ACP 5092 e ACP 5092V e profilo anta bilico Cfz: 1 pz (occorrono 2 per kit)</p> <p><i>Steel thickness between pivot clutch ACP 5092 and ACP 5092V and pivot leaf profile Pkg: 1 pcs (needed 2 per kit)</i></p>

	<b>ACP 5100</b>
	<p>Set piastre per frizione bilico Dimensioni: 10,75x17,5x69,8mm 21,5x22,5x69,8mm Cfz: 4pz</p> <p><i>Clutch balance plates set Pkg: 4 pcs</i></p>

	<b>ACP 50102D</b>
	<p>Asta di trasmissione per frizione ACP 5092V per bilico verticale destro Cfz: 1 pz</p> <p><i>Transmission rod for friction joint ACP 5092V right vertical pivot Pkg: 1 pcs</i></p>

	<b>ACP 50458</b>
	<p>Kit chiusura 6 punti per bilico/scorrevole parallelo. Cfz: 1 kit</p> <p><i>Pivot closer 6 locking piece set. Pkg: 1 kit</i></p>

ACCESSORI  
Fittings

**ACP 50159D**

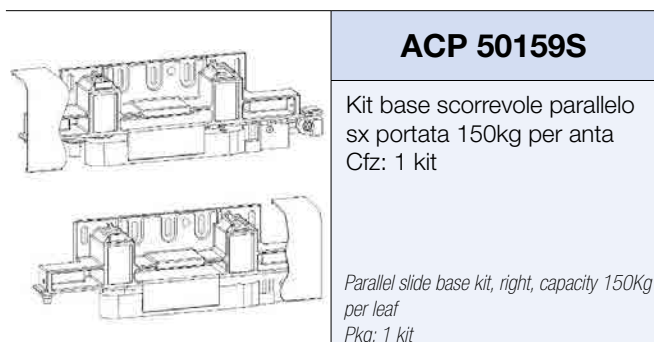
Kit base scorrevole parallelo dx portata 150kg per anta  
Cfz: 1 kit

*Parallel slide base kit, right, capacity 150Kg per leaf  
Pkg: 1 kit*

**ACP 50161/1200**

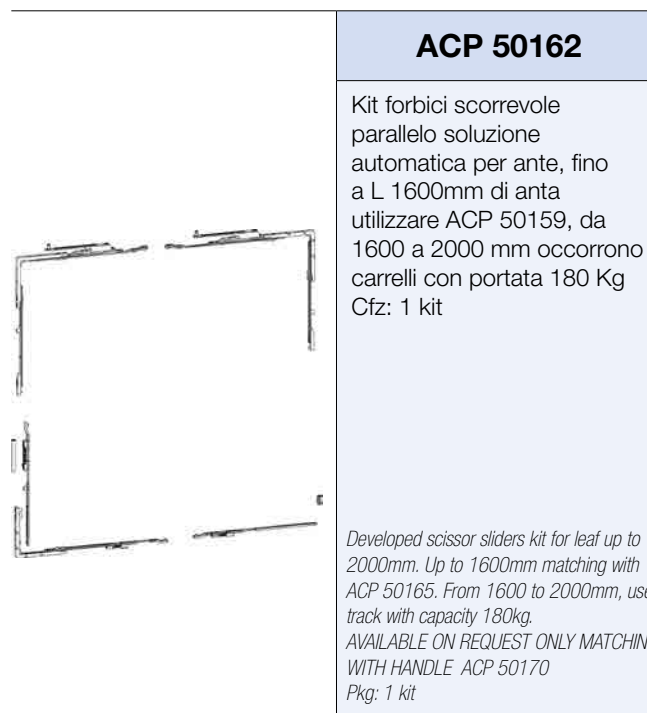
Kit forbici scorrevole parallelo soluzione manuale per ante fino a L 1200mm, abbinare ad ACP 50165  
Cfz: 1 kit

*Developed scissor sliders kit for leaf up to 1200mm, matching with ACP 50165  
Pkg: 1 kit*

**ACP 50159S**

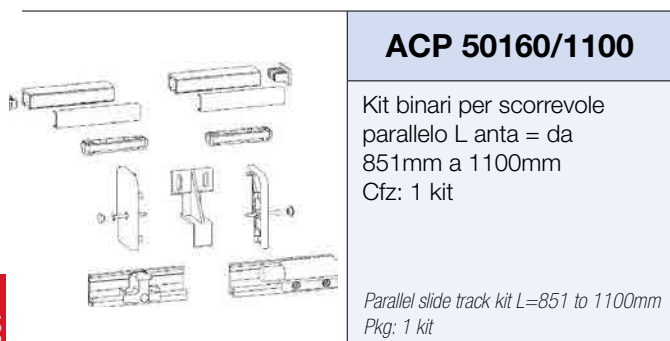
Kit base scorrevole parallelo sx portata 150kg per anta  
Cfz: 1 kit

*Parallel slide base kit, right, capacity 150Kg per leaf  
Pkg: 1 kit*

**ACP 50162**

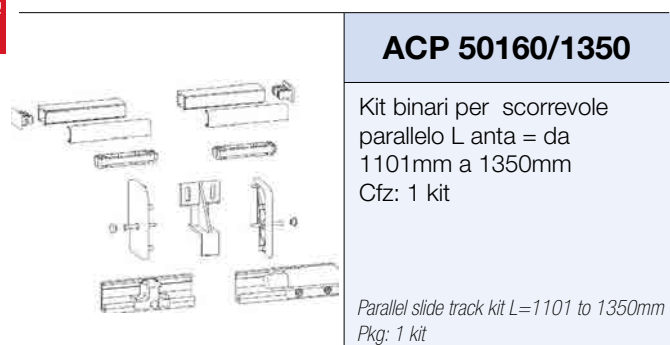
Kit forbici scorrevole parallelo soluzione automatica per ante, fino a L 1600mm di anta utilizzare ACP 50159, da 1600 a 2000 mm occorrono carrelli con portata 180 Kg  
Cfz: 1 kit

*Developed scissor sliders kit for leaf up to 2000mm. Up to 1600mm matching with ACP 50165. From 1600 to 2000mm, use track with capacity 180kg.  
AVAILABLE ON REQUEST ONLY MATCHING WITH HANDLE ACP 50170  
Pkg: 1 kit*

**ACP 50160/1100**

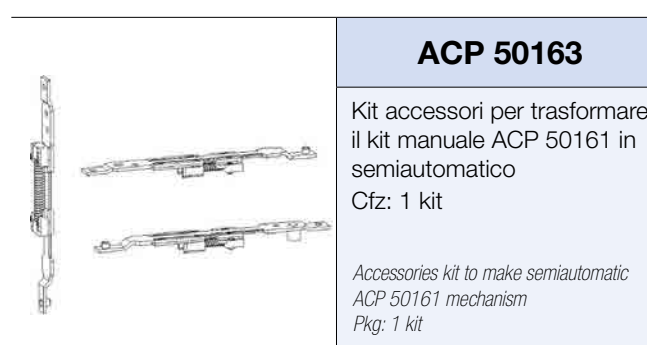
Kit binari per scorrevole parallelo L anta = da 851mm a 1100mm  
Cfz: 1 kit

*Parallel slide track kit L=851 to 1100mm  
Pkg: 1 kit*

**ACP 50160/1350**

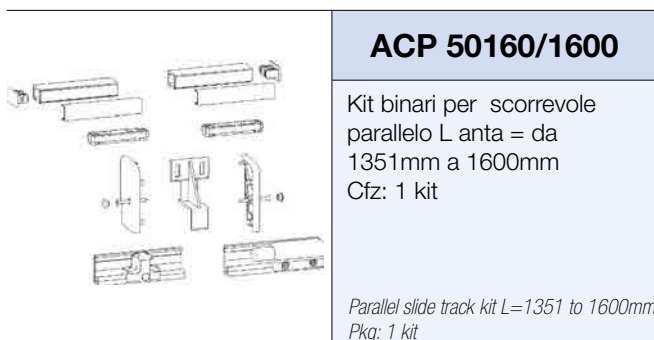
Kit binari per scorrevole parallelo L anta = da 1101mm a 1350mm  
Cfz: 1 kit

*Parallel slide track kit L=1101 to 1350mm  
Pkg: 1 kit*

**ACP 50163**

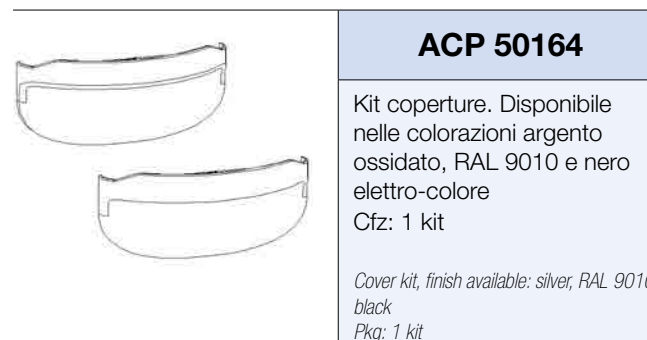
Kit accessori per trasformare il kit manuale ACP 50161 in semiautomatico  
Cfz: 1 kit

*Accessories kit to make semiautomatic ACP 50161 mechanism  
Pkg: 1 kit*

**ACP 50160/1600**

Kit binari per scorrevole parallelo L anta = da 1351mm a 1600mm  
Cfz: 1 kit

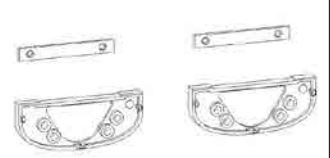
*Parallel slide track kit L=1351 to 1600mm  
Pkg: 1 kit*

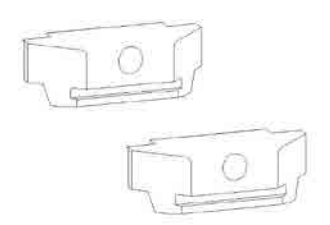
**ACP 50164**

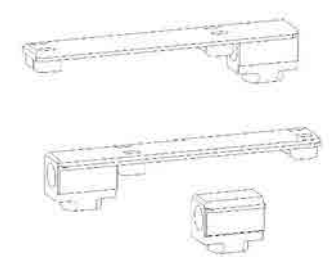
Kit coperture. Disponibile nelle colorazioni argento ossidato, RAL 9010 e nero elettro-colore  
Cfz: 1 kit

*Cover kit, finish available: silver, RAL 9010, black  
Pkg: 1 kit*



	<p style="text-align: center;"><b>ACP 50165</b></p> <p>Spessori per forbici per ACP 50161/1260 o ACP 50162 Cfz: 1 kit</p> <p><i>Thickness matching with ACP 50161/1200 or ACP 50162 Pkg: 1 kit</i></p>
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	<p style="text-align: center;"><b>ACP 50166</b></p> <p>Placchetta di fermo - per trasformare il kit forbici manuale in semiautomatico da abbinare ad ACP 50163 Cfz: 1 pz</p> <p><i>Plate to make semiautomatic the developed scissor sliders kit - matching with ACP 50163 Pkg: 1 pcs</i></p>
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	<p style="text-align: center;"><b>ACP 50167</b></p> <p>Kit supplementare al kit ACP 50161 per ante oltre L 1200mm da abbinare alle astine ACP 50168 e ACP 50169 Cfz: 1 kit</p> <p><i>Additional kit matching with ACP 50168 and ACP 50169, leaf up to 1200mm Pkg: 1 kit</i></p>
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	<p style="text-align: center;"><b>ACP 50168</b></p> <p>Astina per kit ACP 50167 supplementare per ante da L 1201mm fino a 1350mm Cfz: 1 pz</p> <p><i>Rod for additional kit, leaf 1201mm to 1350mm Pkg: 1 pcs</i></p>
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	<p style="text-align: center;"><b>ACP 50169</b></p> <p>Astina per kit ACP 50167 supplementare per ante da L 1351mm fino a 1600mm Cfz: 1 pz</p> <p><i>Rod for additional kit, leaf 1351mm to 1600mm Pkg: 1 pcs</i></p>
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## ELENCO ACCESSORI SIGILLATURA

	<p><b>AGP 5058</b></p> <p>Sigillante poliuretano bicomponente, cartuccia 415ml</p> <p><i>Two-component polyurethane sealant, 415ml cartridge</i></p>		<p><b>AGP 5073</b></p> <p>Sigillante per sigillatrice MCT PL TKE 259</p> <p><i>Sealant for MCT PL TKE 259 sealer</i></p>
	<p><b>AGP 5059</b></p> <p>Pistola manuale per sigillante bicomponente AGP 5058</p> <p><i>Manual gun for two-component sealant AGP 5058</i></p>		<p><b>MCT PL TKE 259</b></p> <p>Sigillatrice d'angoli automatica</p> <p><i>Automatic corner sealer</i></p>
	<p><b>AGP 5069</b></p> <p>Pistola pneumatica per sigillante bicomponente AGP 5058</p> <p><i>Pneumatic gun for two-component sealant AGP 5058</i></p>		
	<p><b>AGP 5079</b></p> <p>Pistola a batteria per sigillante bicomponente AGP 5058</p> <p><i>Battery gun for two-component sealant AGP 5058</i></p>		
	<p><b>AGP 5072</b></p> <p>Beccuccio Static Mixer per AGP 5058</p> <p><i>Static Mixer nozzle for AGP 5058</i></p>		

## ELENCO ACCESSORI THERMOPOSA

	<b>AGP 5030/I</b>
	<p>Profilo portaintonaco per esterno con asole 250cm Cfz: 1 br</p> <p><i>Outdoor plaster profile Pkg: 1 rod</i></p>

	<b>AGP 5031</b>
	<p>Profilo portaintonaco per interno con asole 250cm Cfz: 1 br</p> <p><i>Inner plaster profile Pkg: 1 rod</i></p>

	<b>AGP 5032</b>
	<p>Barriera vapore per controtelaio ACP 6246 Cfz: 30m</p> <p><i>Vapor barrier for ACP 6246 Pkg: 30m</i></p>


	<b>AGP 5033</b>
	<p>Nastro precompresso BG1 da 15mm per sigillatura della battuta Cfz: 15m</p> <p><i>BG1 beat sealing, 15mm Pkg: 15m</i></p>

	<b>AGP 5034/25</b>
	<p>Nastro precompresso per posa in battuta per sigillatura della spalla Cfz: 7m</p> <p><i>Band for laying baing, wall sealing Pkg: 7m</i></p>



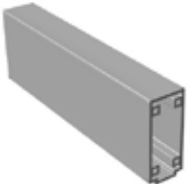






	<b>AGP 5036</b>
	<p>Schiuma poliuretanic elastica fissaggio controtelaio ACP 6246 Cfz: 1 pz</p> <p><i>Elastic polyurethane foam for ACO 6246 Pkg: 1 pcs</i></p>

	<b>AGP 5037</b>
	<p>Nastro in schiuma di PVC per soglia e traverso inferiore Cfz: 20m</p> <p><i>PVC foam band for tramson e threshold Pkg: 20m</i></p>


	<b>AGP 5035/...</b>
	<p>Sigillante MS Polimero bianco, marrone, grigio o nero Cfz: 1 pz</p> <p><i>MS Polymer Sealant Pkg: 1 pcs</i></p>

	<b>ACP 6246/25</b>
	<p>Controtelaio Thermopro 72mm, battuta 25 rifilabile Cfz: 3m</p> <p><i>Thermopro Subframe 72mm, beat 25 Pkg: 3m</i></p>

	<b>ACP 6246/49</b>
	<p>Controtelaio Thermopro 72mm, battuta 49 rifilabile Cfz: 3m</p> <p><i>Thermopro Subframe 72mm, beat 49 Pkg: 3m</i></p>

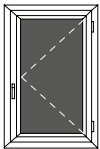
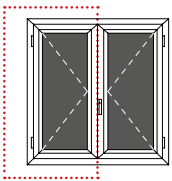
	<p align="center"><b>ACP 6249</b></p> <p>Traverso inferiore 40mm Thermopro in PVC Cfz: 3m</p> <p><i>Thermopro PVC sill transom Pkg: 3m</i></p>		<p align="center"><b>ACP 6255</b></p> <p>Zanche per fissaggio del controtelaio for ACP 6246 Cfz: 1 pz</p> <p><i>Clamps for fixing of subframe Pkg: 1 pcs</i></p>
	<p align="center"><b>ACP 6220</b></p> <p>Traverso inferiore 20mm Thermopro in PVC Cfz: 3m</p> <p><i>Thermopro PVC sill transom 20mm Pkg: 3m</i></p>		<p align="center"><b>ACP 6256</b></p> <p>Squadretta angolare per controtelaio ACP 6246 Cfz: 1 pz</p> <p><i>Corner cleat for ACP 6246 Pkg: 1 pcs</i></p>
	<p align="center"><b>ACP 6254</b></p> <p>Staffe per traverso ACP 6249 Cfz: 1 pz</p> <p><i>Transom bracket for ACP 6249 Pkg: 1 pcs</i></p>		<p align="center"><b>ACP 6258</b></p> <p>Squadretta di rinforzo per controtelaio ACP 6246 Cfz: 1 pz</p> <p><i>Reinforced bracket for ACP 6246 Pkg: 1 pcs</i></p>
	<p align="center"><b>ACP 6260</b></p> <p>Staffe per traverso ACP 6220 Cfz: 1 pz</p> <p><i>Transom bracket for ACP 6220 Pkg: 1 pcs</i></p>		<p align="center"><b>ACP 6259</b></p> <p>Rinforzo tubolare aperto in acciaio 12x40mm per controtelaio ACP 6246 Cfz: 1 pz</p> <p><i>Steel tubular reinforcement 12x40mm for ACP 6246 Pkg: 1 pcs</i></p>
	<p align="center"><b>ACP 6257</b></p> <p>Piastra di allineamento per controtelaio ACP 6246 Cfz: 1 pz</p> <p><i>Alignment plate for ACP 6246 Pkg: 1 pcs</i></p>		

## ELENCO ACCESSORI THERMOPOSA

	<b>ACP 1000/50</b>	<b>ACP 1000/70</b>	<b>ACP 1000/80</b>	<b>ACP 1000/90</b>
	Vite TORX testa cilindrica T30 7,5x50 Cfz: 100 pz  <i>Screw with socket head Pkg: 100 pcs</i>	Vite TORX testa cilindrica T30 7,5x70 Cfz: 100 pz  <i>Screw with socket head Pkg: 100 pcs</i>	Vite TORX testa cilindrica T30 7,5x80 Cfz: 100 pz  <i>Screw with socket head Pkg: 100 pcs</i>	Vite TORX testa cilindrica T30 7,5x90 Cfz: 100 pz  <i>Screw with socket head Pkg: 100 pcs</i>
	<b>ACP 1000/100</b>	<b>ACP 1000/110</b>	<b>ACP 1000/120</b>	<b>ACP 1000/130</b>
	Vite TORX testa cilindrica T30 7,5x100 Cfz: 100 pz  <i>Screw with socket head Pkg: 100 pcs</i>	Vite TORX testa cilindrica T30 7,5x110 Cfz: 100 pz  <i>Screw with socket head Pkg: 100 pcs</i>	Vite TORX testa cilindrica T30 7,5x120 Cfz: 100 pz  <i>Screw with socket head Pkg: 100 pcs</i>	Vite TORX testa cilindrica T30 7,5x130 Cfz: 100 pz  <i>Screw with socket head Pkg: 100 pcs</i>
	<b>ACP 1000/150</b>	<b>ACP 1000/180</b>	<b>ACP 1000/210</b>	
Vite TORX testa cilindrica T30 7,5x150 Cfz: 100 pz  <i>Screw with socket head Pkg: 100 pcs</i>	Vite TORX testa cilindrica T30 7,5x180 Cfz: 100 pz  <i>Screw with socket head Pkg: 100 pcs</i>	Vite TORX testa cilindrica T30 7,5x210 Cfz: 100 pz  <i>Screw with socket head Pkg: 100 pcs</i>		

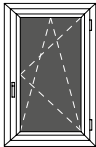
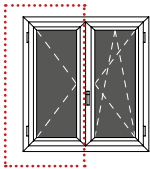
	<b>ACP 1001/50</b>	<b>ACP 1001/70</b>	<b>ACP 1001/80</b>	<b>ACP 1001/90</b>
	Vite TORX testa svasata T30 7,5x50 Cfz: 100 pz  <i>Countersunk screw Pkg: 100 pcs</i>	Vite TORX testa svasata T30 7,5x70 Cfz: 100 pz  <i>Countersunk screw Pkg: 100 pcs</i>	Vite TORX testa svasata T30 7,5x80 Cfz: 100 pz  <i>Countersunk screw Pkg: 100 pcs</i>	Vite TORX testa svasata T30 7,5x90 Cfz: 100 pz  <i>Countersunk screw Pkg: 100 pcs</i>
	<b>ACP 1001/100</b>	<b>ACP 1001/110</b>	<b>ACP 1001/120</b>	<b>ACP 1001/130</b>
	Vite TORX testa svasata T30 7,5x100 Cfz: 100 pz  <i>Countersunk screw Pkg: 100 pcs</i>	Vite TORX testa svasata T30 7,5x110 Cfz: 100 pz  <i>Countersunk screw Pkg: 100 pcs</i>	Vite TORX testa svasata T30 7,5x120 Cfz: 100 pz  <i>Countersunk screw Pkg: 100 pcs</i>	Vite TORX testa svasata T30 7,5x130 Cfz: 100 pz  <i>Countersunk screw Pkg: 100 pcs</i>
	<b>ACP 1001/150</b>	<b>ACP 1001/180</b>	<b>ACP 1001/210</b>	
Vite TORX testa svasata T30 7,5x150 Cfz: 100 pz  <i>Countersunk screw Pkg: 100 pcs</i>	Vite TORX testa svasata T30 7,5x180 Cfz: 100 pz  <i>Countersunk screw Pkg: 100 pcs</i>	Vite TORX testa svasata T30 7,5x210 Cfz: 100 pz  <i>Countersunk screw Pkg: 100 pcs</i>		



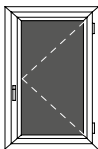
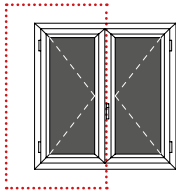
Tipologia	Soluzione con Cremonese		
BATTENTE	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 50400	Cremonese AURORA bidirezionale / <i>Two ways directional Cremonese Aurora handle</i>	1
	ACP 50475	Kit finestra battente / <i>Window kit hinged door</i>	1
	ACP 50405	Cerniera Telai Piani / <i>Hinge for flat frames</i>	2/...
	ACP 50407	Cerniera Telai Complanari / <i>3 rd leaf hinge</i>	2/...
	ACP 51454	Rostro / <i>Rostrum</i>	1
	Soluzione con Martellina		
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 50552	Martellina Aurora quadro 7 / <i>Aurora Martellina square 7mm</i>	1
	ACP 50330	Maniglia EXENS linea Aurora quadro 7 / <i>EXENS Aurora line square 7mm</i>	1
	ACP 5199N	Meccanismo bidirezionale / <i>Handle mechanism</i>	1
	ACP 50405	Cerniera Telai Piani / <i>Hinge for flat frames</i>	2/...
	ACP 50407	Cerniera Telai Complanari / <i>3 rd leaf hinge</i>	2/...
	ACP 50525	Terminale asta / <i>Rod terminal</i>	2
	ACP 50582	Incontro singolo / <i>Single nylon striker</i>	2
	ACP 51454	Rostro / <i>Rostrum</i>	1
	Soluzione con EXENS		
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 50314	EXENS Aurora / <i>Aurora EXENS handle</i>	1
	ACP 50310	EXENS Tonda / <i>EXENS Rounded handle</i>	1
	ACP 50313	EXENS Squadrata / <i>EXENS Squared handle</i>	1
ACP 50312	Meccanismo bidirezionale / <i>Bidirectional EXENS mechanism for EXENS handle</i>	1	
ACP 50405	Cerniera Telai Piani / <i>Hinge for flat frames</i>	2/...	
ACP 50407	Cerniera Telai Complanari / <i>3 rd leaf hinge</i>	2/...	
ACP 50525	Terminale asta / <i>Rod terminal</i>	2	
ACP 50582	Incontro singolo / <i>Single nylon striker</i>	2	
ACP 51454	Rostro / <i>Rostrum</i>	1	
Anta affiancata			
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 50405	Cerniera Telai Piani / <i>Hinge for flat frames</i>	2/...
	ACP 50407	Cerniera Telai Complanari / <i>3 rd leaf hinge</i>	2/...
	ACP 50482	Incontro doppio / <i>Double nylon striker</i>	2
	ACP 51454	Rostro / <i>Rostrum</i>	1
ACP 50422	Kit catenaccioli / <i>Nylon bolt</i>	2	

## Composizione dei kit per applicazione della ferramenta SECRET portata **100kg**

SECRET Line kit- load 100kg

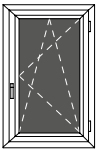
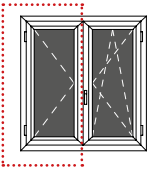
Tipologia	Soluzione con Cremonese		
	ANTA RIBALTA	SECRET Portata <b>100Kg.</b> / SECRET Capacity 100Kg.	
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 50476	Kit A/R standard per cremonese / T/T kit with drive for cremonese bolt	1
	ACP 50401	Cremonese AURORA per A/R / Monodirectional Cremonese Aurora handle for tilt & turn	1
	ACP 5150/D	KIT Cerniera A/R Braccio corto DX / Tilt and turn windows kit, included concealed hinge for DX short arm	1
	ACP 5150/S	KIT Cerniera A/R Braccio corto SX / Tilt and turn windows kit, included concealed hinge for SX short arm	1
	ACP 5151/D	KIT Cerniera A/R Braccio lungo DX / Tilt and turn windows kit, included concealed hinge for DX long arm	1
	ACP 5151/S	KIT Cerniera A/R Braccio lungo SX / Tilt and turn windows kit, included concealed hinge for SX long arm	1
	ACP 5153	Braccio supplementare / Additional window arm	1
	ACP 5155	Chiusure supplementari / Additional locking piece	1
	<b>Soluzione con Martellina</b>		
		SECRET Portata <b>100Kg.</b> / SECRET Capacity 100Kg.	
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 50477	Kit A/R standard per martellina / T/T kit with handle mechanism	1
	ACP 50552	Martellina Aurora quadro 7 / Aurora Martellina square 7mm	1
	ACP 50330	Maniglia EXENS linea Aurora quadro 7 / EXENS Aurora line square 7mm	1
	ACP 5150/D	KIT Cerniera A/R Braccio corto DX / Tilt and turn windows kit, included concealed hinge for DX short arm	1
	ACP 5150/S	KIT Cerniera A/R Braccio corto SX / Tilt and turn windows kit, included concealed hinge for SX short arm	1
	ACP 5151/D	KIT Cerniera A/R Braccio lungo DX / Tilt and turn windows kit, included concealed hinge for DX long arm	1
	ACP 5151/S	KIT Cerniera A/R Braccio lungo SX / Tilt and turn windows kit, included concealed hinge for SX long arm	1
ACP 5153	Braccio supplementare / Additional window arm	1	
ACP 5155	Chiusure supplementari / Additional locking piece	1	
<b>Soluzione con EXENS</b>			
	SECRET Portata <b>100Kg.</b> / SECRET Capacity 100Kg.		
<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>	
ACP 50478	Kit A/R standard per EXENS / T/T kit with EXENS mechanism	1	
ACP 50314	EXENS Aurora / Aurora EXENS handle	1	
ACP 50310	EXENS Tonda / EXENS Rounded handle	1	
ACP 50313	EXENS Squadrata / EXENS Squared handle	1	
ACP 5150/D	KIT Cerniera A/R Braccio corto DX / Tilt and turn windows kit, included concealed hinge for DX short arm	1	
ACP 5150/S	KIT Cerniera A/R Braccio corto SX / Tilt and turn windows kit, included concealed hinge for SX short arm	1	
ACP 5151/D	KIT Cerniera A/R Braccio lungo DX / Tilt and turn windows kit, included concealed hinge for DX long arm	1	
ACP 5151/S	KIT Cerniera A/R Braccio lungo SX / Tilt and turn windows kit, included concealed hinge for SX long arm	1	
ACP 5153	Braccio supplementare / Additional window arm	1	
ACP 5155	Chiusure supplementari / Additional locking piece	1	
<b>Anta affiancata</b>			
		SECRET Portata <b>100Kg.</b> / SECRET Capacity 100Kg.	
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 5161/D	KIT cerniera anta passiva SECRET DX / SECRET concealed hinge set DX passive leaf	1
	ACP 5161/S	KIT cerniera anta passiva SECRET SX / SECRET concealed hinge set SX passive leaf	1
	ACP 5157	KIT catenaccioli manovra bidirezionali / Bolt set for two ways directional device	1
ACP 5156	catenaccio anta passiva (Alternativa) / Bolt for inactive leaf (alternative)	2	

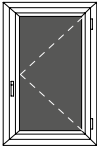
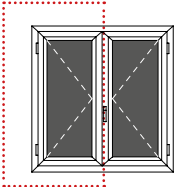


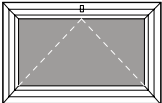
Tipologia	Soluzione con Cremonese		
BATTENTE	SECRET Portata <b>100Kg.</b> / SECRET Capacity 100Kg.		
	Articolo	Descrizione	Q.tà
	ACP 50400	Cremonese AURORA bidirezionale / Bidirectional Cremonese Aurora handle	1
	ACP 50475	Kit finestra battente / Window kit hinged door	1
	ACP 5161/D	KIT cerniera anta passiva SECRET DX / SECRET concealed set for right inactive leaf	1
	ACP 5161/S	KIT cerniera anta passiva SECRET SX / SECRET concealed set for left inactive leaf	1
	ACP 5154	Rostro / Rostrum	1
	Soluzione con Martellina		
	SECRET Portata <b>100Kg.</b> / SECRET Capacity 100Kg.		
	Articolo	Descrizione	Q.tà
	ACP 50552	Martellina Aurora quadro 7 / Aurora Martellina square 7mm	1
	ACP 50330	Maniglia EXENS linea Aurora quadro 7 / EXENS Aurora line square 7mm	1
	ACP 5199N	Meccanismo bidirezionale / Two ways directional mechanism	1
	ACP 5161/D	KIT cerniera anta passiva SECRET DX / SECRET concealed set for right inactive leaf	1
	ACP 5161/S	KIT cerniera anta passiva SECRET SX / SECRET concealed set for left inactive leaf	1
	ACP 50525	Terminale asta / Rod terminal	2
	ACP 50582	Incontro singolo / Single nylon striker	2
	ACP 5154	Rostro / Rostrum	1
	Soluzione con EXENS		
	SECRET Portata <b>100Kg.</b> / SECRET Capacity 100Kg.		
Articolo	Descrizione	Q.tà	
ACP 50314	EXENS Aurora / Aurora EXENS handle	1	
ACP 50310	EXENS Tonda / EXENS Rounded handle	1	
ACP 50313	EXENS Squadrata / EXENS Squared handle	1	
ACP 50312	Meccanismo bidirezionale / Two ways directional EXENS mechanism	1	
ACP 5161/D	KIT cerniera anta passiva SECRET DX / SECRET concealed set for right inactive leaf	1	
ACP 5161/S	KIT cerniera anta passiva SECRET SX / SECRET concealed set for left inactive leaf	1	
ACP 50525	Terminale asta / Rod terminal	2	
ACP 50582	Incontro singolo / Single nylon striker	2	
ACP 5154	Rostro / Rostrum	1	
Anta affiancata			
	SECRET Portata <b>100Kg.</b> / SECRET Capacity 100Kg.		
	Articolo	Descrizione	Q.tà
	ACP 5161/D	KIT cerniera anta passiva SECRET DX / SECRET concealed set for right inactive leaf	1
	ACP 5161/S	KIT cerniera anta passiva SECRET SX / SECRET concealed set for left inactive leaf	1
	ACP 50482	Incontro doppio / Double nylon striker	2
	ACP 50422	KIT Catenaccioli (Alternativa) / Nylon bolt set	2
	ACP 5157	KIT catenaccioli bidirezionali (Alternativa) / Bolt set for two ways directional device	1
	ACP 5156	kit catenacci (Alternativa) / Bolt for inactive leaf (alternative)	2
	ACP 5154	Rostro / Rostrum	1

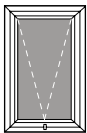
## Composizione dei kit per applicazione della ferramenta SECRET portata **150kg**

SECRET Line kit- load 150kg

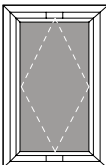
Tipologia	Soluzione con Cremonese		
	ANTA RIBALTA	SECRET Portata <b>150Kg.</b> / SECRET Capacity 150Kg.	
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 50476	Kit A/R standard per cremonese / T/T kit with drive for cremonese bolt	1
	ACP 50401	Cremonese AURORA per A/R / Monodirectional Cremonese Aurora handle for tilt & turn	1
	ACP 5162/D	KIT Cerniera A/R Braccio corto DX / Tilt and turn windows kit, included concealed hinge for DX short arm	1
	ACP 5163/S	KIT Cerniera A/R Braccio corto SX / Tilt and turn windows kit, included concealed hinge for SX short arm	1
	ACP 5163/D	KIT Cerniera A/R Braccio lungo DX / Tilt and turn windows kit, included concealed hinge for DX long arm	1
	ACP 5151/S	KIT Cerniera A/R Braccio lungo SX / Tilt and turn windows kit, included concealed hinge for SX long arm	1
	ACP 5153	Braccio supplementare / Additional window arm	1
	ACP 5155	Chiusure supplementari / Additional locking piece	1
	<b>Soluzione con Martellina</b>		
		SECRET Portata <b>150Kg.</b> / SECRET Capacity 150Kg.	
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 50477	Kit A/R standard per martellina / T/T kit with handle mechanism	1
	ACP 50552	Martellina Aurora quadro 7 / Aurora Martellina square 7mm	1
	ACP 50330	Maniglia EXENS linea Aurora quadro 7 / EXENS Aurora line square 7mm	1
	ACP 5162/D	KIT Cerniera A/R Braccio corto DX / Tilt and turn windows kit, included concealed hinge for DX short arm	1
ACP 5162/S	KIT Cerniera A/R Braccio corto SX / Tilt and turn windows kit, included concealed hinge for SX short arm	1	
ACP 5163/D	KIT Cerniera A/R Braccio lungo DX / Tilt and turn windows kit, included concealed hinge for DX long arm	1	
ACP 5163/S	KIT Cerniera A/R Braccio lungo SX / Tilt and turn windows kit, included concealed hinge for SX long arm	1	
ACP 5153	Braccio supplementare / Additional window arm	1	
ACP 5155	Chiusure supplementari / Additional locking piece	1	
<b>Soluzione con EXENS</b>			
	SECRET Portata <b>150Kg.</b> / SECRET Capacity 150Kg.		
<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>	
ACP 50478	Kit A/R standard per EXENS / T/T kit with EXENS mechanism	1	
ACP 50314	EXENS Aurora / Aurora EXENS handle	1	
ACP 50310	EXENS Tonda / EXENS Rounded handle	1	
ACP 50313	EXENS Squadrata / EXENS Squared handle	1	
ACP 5162/D	KIT Cerniera A/R Braccio corto DX / Tilt and turn windows kit, included concealed hinge for DX short arm	1	
ACP 5162/S	KIT Cerniera A/R Braccio corto SX / Tilt and turn windows kit, included concealed hinge for SX short arm	1	
ACP 5163/D	KIT Cerniera A/R Braccio lungo DX / Tilt and turn windows kit, included concealed hinge for DX long arm	1	
ACP 5163/S	KIT Cerniera A/R Braccio lungo SX / Tilt and turn windows kit, included concealed hinge for SX long arm	1	
ACP 5153	Braccio supplementare / Additional window arm	1	
ACP 5155	Chiusure supplementari / Additional locking piece	1	
<b>Anta affiancata</b>			
		SECRET Portata <b>150Kg.</b> / SECRET Capacity 150Kg.	
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 5164/D	KIT cerniera anta passiva SECRET DX / Hinges kit for right inactive leaf	1
	ACP 5164/S	KIT cerniera anta passiva SECRET SX / Hinges kit for left inactive leaf	1
	ACP 5157	KIT catenaccioli manovra bidirezionali / Bolt set for two ways directional device	1
	ACP 5156	Kit catenacci (Alternativa) / Bolt for inactive leaf (alternative)	2
ACP 5154	Rostrò / Rostrum	1	

Tipologia	Soluzione con Cremonese		
BATTENTE	SECRET Portata <b>150Kg.</b> / SECRET Capacity 150Kg.		
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 50400	Cremonese AURORA bidirezionale / Two ways directional Cremonese Aurora handle	1
	ACP 50475	Kit finestra battente / Window kit hinged door	1
	ACP 5164/D	KIT cerniera anta passiva SECRET DX / Hinges kit for right inactive leaf	1
	ACP 5164/S	KIT cerniera anta passiva SECRET SX / Hinges kit for left inactive leaf	1
	ACP 5154	Rostro / Rostrum	1
	Soluzione con Martellina		
	SECRET Portata <b>150Kg.</b> / SECRET Capacity 150Kg.		
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 50552	Martellina Aurora quadro 7 / Aurora Martellina square 7mm	1
	ACP 50330	Maniglia EXENS linea Aurora quadro 7 / EXENS Aurora line square 7mm	1
	ACP 5199N	Meccanismo bidirezionale / Two ways directional mechanism	1
	ACP 5164/D	KIT cerniera anta passiva SECRET DX / Hinges kit for right inactive leaf	1
	ACP 5164/S	KIT cerniera anta passiva SECRET SX / Hinges kit for left inactive leaf	1
	ACP 50525	Terminale asta / Rod terminal	2
	ACP 50582	Incontro singolo / Single nylon striker	2
	ACP 5154	Rostro / Rostrum	1
	Soluzione con EXENS		
	SECRET Portata <b>150Kg.</b> / SECRET Capacity 150Kg.		
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 50314	EXENS Aurora / Aurora EXENS handle	1
	ACP 50310	EXENS Tonda / EXENS Rounded handle	1
	ACP 50313	EXENS Squadrata / EXENS Squared handle	1
	ACP 50312	Meccanismo bidirezionale / Two ways directional EXENS mechanism	1
	ACP 5164/D	KIT cerniera anta passiva SECRET DX / Hinges kit for right inactive leaf	1
	ACP 5164/S	KIT cerniera anta passiva SECRET SX / Hinges kit for left inactive leaf	1
	ACP 50525	Terminale asta / Rod terminal	2
ACP 50582	Incontro singolo / Single nylon striker	2	
ACP 5154	Rostro / Rostrum	1	
Anta affiancata			
	SECRET Portata <b>150Kg.</b> / SECRET Capacity 150Kg.		
	<b>Articolo</b>	<b>Descrizione</b>	<b>Q.tà</b>
	ACP 5164/D	KIT cerniera anta passiva SECRET DX / Hinges kit for right inactive leaf	1
	ACP 5164/S	KIT cerniera anta passiva SECRET SX / Hinges kit for left inactive leaf	1
	ACP 50482	Incontro doppio / Double nylon striker	2
	ACP 50422	KIT Catenaccioli (Alternativa) / Nylon bolt set	2
	ACP 5157	KIT catenaccioli bidirezionali (Alternativa) / Bolt set for two ways directional device	1
	ACP 5156	kit catenaccioli (alternativa) / Bolt for inactive leaf (alternative)	2
	ACP 5154	Rostro / Rostrum	1

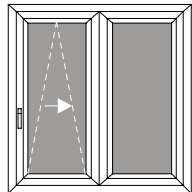
Tipologia	Vasistas SECRET		
	Articolo	Descrizione	Q.tà
	ACP 5166	Vasistas SECRET/ SECRET - VASISTAS Hinges Kit for windows	1
	ACP 5167	Sostegno anta SECRET / SECRET- support for leaf	1
	ACP 5165	Limitatore di apertura / Limit stay arm	1
	ACP 5017	Cricchetto / Awning/hopper window quick fitting finger catch	1
	Vasistas Standard		
	Articolo	Descrizione	Q.tà
	ACP 5012	Cerniere vasistas / Hinge, single snap	1
	ACP 5010	Cerniere vasistas (Alternativa) / Hinge, double snap	1
	ACP 5165	Limitatore di apertura / Limit stay arm	1
ACP 5017	Cricchetto / Awning/hopper window quick fitting finger catch	1	

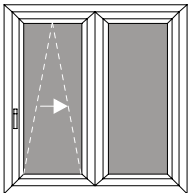
Tipologia	Sporgere		
	Articolo	Descrizione	Q.tà
	ACP 50405	Cerniera Telai Piani / Hinge for flat frames	2/...
	ACP 50407	Cerniera Telai Complanari / 3 rd leaf hinge	2/...
	ACP 50411	Braccio sporgere / Top-hinged telescopic arms	1

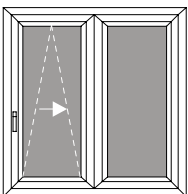
Tipologia	Bilico orizzontale		
	Articolo	Descrizione	Q.tà
	ACP 5092	Cerniere bilico orizzontale / Kit hinge friction joint Horizontal	1
	ACP 5094	Spessore cerniere bilico / shim friction	2
	ACP 50458	Kit 6 punti bilico / 6 locking points horizontal pivot window	1
	ACP 50267	Bidirezionale bilico / Two ways directional Martellina handle mechanism	1
	ACP 50268	Perno / Connecting pin	2
	ACP 50552	Martellina Aurora quadro 7 / Aurora Martellina square 7mm	1

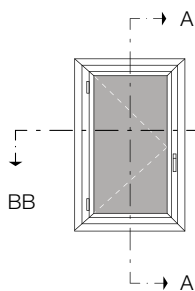
Tipologia	Bilico verticale		
	Articolo	Descrizione	Q.tà
	ACP 5092V	Cerniere bilico verticale / Friction joint	1
	ACP 5094	Spessore cerniere bilico / shim friction	2
	ACP 50458	Kit 6 punti bilico / 6 locking points horizontal pivot window	1
	ACP 50267	Bidirezionale bilico / Two ways directional Martellina handle mechanism	1
	ACP 50268	Perno / Connecting pin	2
	ACP 50552	Martellina Aurora quadro 7 / Aurora Martellina square 7mm	1
	ACP 50102D	Trasmissione bilico verticale DX / Transmission rod for friction joint right	1
	ACP 50102S	Trasmissione bilico verticale SX / Transmission rod for friction joint left	1
	ACP 50103	Limitatore di apertura / Opening restrictor	1

Tipologia	Bilico snodo a frizione		
 	Articolo	Descrizione	Q.tà
	ACP 5091M	Frizione bilico / <i>Pivoting clutch</i>	1
	ACP 5100	Set piastre bilico / <i>Clutch balance plates set</i>	2
	ACP 50267	Bidirezionale bilico / <i>Two ways directional Martellina handle mechanism</i>	1
	ACP 50268	Perno / <i>Connecting pin</i>	2
	ACP 50552	Martellina Aurora quadro 7 / <i>Aurora Martellina square 7mm</i>	1

Tipologia	Scorrevole parallelo Manuale		
	Articolo	Descrizione	Q.tà
	ACP 50159D	Kit base parallelo Anta DX / <i>Parallel slide base kit right</i>	1
	ACP 50159S	Kit base parallelo Anta SX / <i>Parallel slide base kit left</i>	1
	ACP 50160/1100	Kit binari parallelo / <i>Parallel slide track kit</i>	1
	ACP 50160/1350	Kit binari parallelo / <i>Parallel slide track kit</i>	1
	ACP 50160/1600	Kit binari parallelo / <i>Parallel slide track kit</i>	1
	ACP 50161/1200	Kit forbice parallelo / <i>Developed scissor sliders kit</i>	1
	ACP 50164	Kit coperture parallelo / <i>Cover kit</i>	1
	ACP 50165	Spessori parallelo / <i>Thickness matching</i>	1
	ACP 50167	Kit supplementare parallelo / <i>Additional kit</i>	1
	ACP 50168	Astina parallelo / <i>Rod for additional kit</i>	1
	ACP 50169	Astina parallelo / <i>Rod for additional kit</i>	1
	ACP 50448	Traino per cremonese / <i>Towing for monodirectional cremonese bolt</i>	1
	ACP 50401	Cremonese / <i>cremonese</i>	1
	ACP 50458	Kit 6 punti di chiusura / <i>Pivot closer 6 locking piece set</i>	1

Tipologia	Scorrevole parallelo Semi automatico		
	Articolo	Descrizione	Q.tà
	ACP 50159D	Kit base parallelo Anta DX / <i>Parallel slide base kit right</i>	1
	ACP 50159S	Kit base parallelo Anta SX / <i>Parallel slide base kit left</i>	1
	ACP 50160/1100	Kit binari parallelo / <i>Parallel slide track kit</i>	1
	ACP 50160/1350	Kit binari parallelo / <i>Parallel slide track kit</i>	1
	ACP 50160/1600	Kit binari parallelo / <i>Parallel slide track kit</i>	1
	ACP 50161/1200	Kit forbice parallelo / <i>Developed scissor sliders kit</i>	1
	ACP 50163	Kit per parallelo semiautomatico / <i>Kit accessories</i>	1
	ACP 50164	Kit coperture parallelo / <i>Cover kit</i>	1
	ACP 50166	Placchetta parallelo / <i>Plate</i>	2
	ACP 50165	Spessori parallelo / <i>Thickness matching</i>	1
	ACP 50167	Kit supplementare parallelo / <i>Additional kit</i>	1
	ACP 50168	Astina parallelo / <i>Rod for additional kit</i>	1
	ACP 50169	Astina parallelo / <i>Rod for additional kit</i>	1
	ACP 50448	Traino per cremonese / <i>Towing for monodirectional cremonese bolt</i>	1
	ACP 50401	Cremonese / <i>cremonese</i>	1
	ACP 50458	Kit 6 punti di chiusura / <i>Pivot closer 6 locking piece set</i>	1

Tipologia	Scorrevole parallelo Automatico		
	Articolo	Descrizione	Q.tà
	ACP 50159D	Kit base parallelo Anta DX / <i>Parallel slide base kit right</i>	1
	ACP 50159S	Kit base parallelo Anta SX / <i>Parallel slide base kit left</i>	1
	ACP 50160/1100	Kit binari parallelo / <i>Parallel slide track kit</i>	1
	ACP 50160/1350	Kit binari parallelo / <i>Parallel slide track kit</i>	1
	ACP 50160/1600	Kit binari parallelo / <i>Parallel slide track kit</i>	1
	ACP 50161/1200	Kit forbice parallelo / <i>Developed scissor sliders kit</i>	1
	ACP 50162	Kit forbice parallelo automatico / <i>Developed scissor sliders kit</i>	1
	ACP 50163	Kit per parallelo semiautomatico / <i>Kit accessories</i>	1
	ACP 50164	Kit coperture parallelo / <i>Cover kit</i>	1
	ACP 50166	Placchetta parallelo / <i>Plate</i>	2
	ACP 50165	Spessori parallelo / <i>Thickness matching</i>	1
	ACP 50167	Kit supplementare parallelo / <i>Additional kit</i>	1
	ACP 50168	Astina parallelo / <i>Rod for additional kit</i>	1
	ACP 50169	Astina parallelo / <i>Rod for additional kit</i>	1
	ACP 50448	Traino per cremonese / <i>Towing for monodirectional cremonese bolt</i>	1
	ACP 50401	Cremonese / <i>cremonese</i>	1
	ACP 50458	Kit 6 punti di chiusura / <i>Pivot closer 6 locking piece set</i>	1



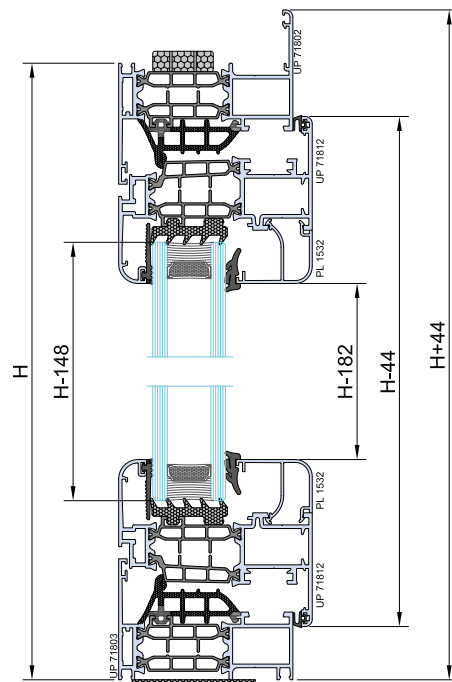
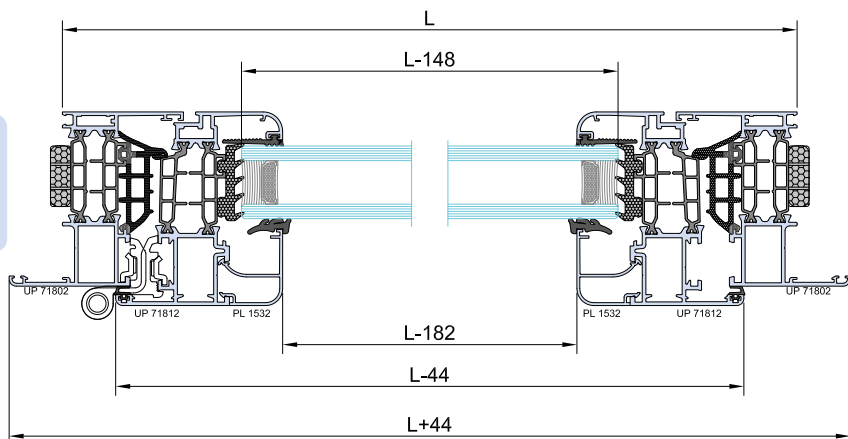
Finestra 1 anta  
1 leaf window

Distinta vetri  
Glass list

Pezzi	L	H
1	L-148	H-148

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm

Sez. B-B



Sez. A-A

Distinta profili

Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio superiore <i>head transom frame</i>	1	L+44	
	Montante telaio <i>mullion frame</i>	2	H+44	
UP 71803	Traverso telaio inferiore <i>sill transom frame</i>	1	L	
UP 71812	Traverso anta <i>transom leaf</i>	2	L-44	
	Montante anta <i>mullion leaf</i>	2	H-44	
PL 1532	Traverso fermavetro <i>transom glazing bead</i>	2	L-182	
	Montante fermavetro <i>mullion glazing bead</i>	2	H-182	

Distinta accessori

Accessories

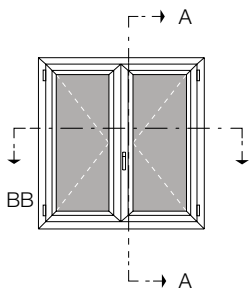
Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione <i>corner cleat</i>	8 pz
ACP 5001	Vite per squadretta <i>screw for corner cleat</i>	16 pz
ACP 5008	Squadretta all. inox <i>inox corner cleat</i>	6 pz
ACP 50110	Squadretta all. eccentrico <i>alignment corner cleat with tightening eccentrics</i>	4 pz
ACP 50153	Squadretta cianfrinare est. <i>alignment corner bracket</i>	8 pz
ACP 5030	Spina Ø3mm <i>Ø3mm pin</i>	16 pz
ACP 50405	Cerniera <i>hinge for flat frames</i>	2 pz
ACP 50475	Kit chiusura <i>closing kit</i>	1 kit
ACP 50400	Cremonese Aurora <i>cremonese Aurora</i>	1 pz
ACP 50539	Regolo muro obliquo <i>oblique wall spacer</i>	6/8 pz
AGP 72185	Angolo vulcanizzato <i>vulcanized corner</i>	4 pz
ACP 5014	Angolo fermavetro <i>glazing bead corner</i>	4 pz

DISTINTE DI TAGLIO  
Cutting lists

Distinta guarnizioni

Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta <i>wall seal</i>	2	L-44
		2	H-44
AGP 40131	Sotto vetro <i>glazing strip</i>	2	L-128
		2	H-128
AGP 5037	Isolamento muro <i>wall insulation</i>	1	L
AGP 72172	Pinna giunto aperto <i>central beat</i>	2	L-124
Dipende dal vetro	Vetro esterna <i>external glass gasket</i>	2	L-148
		2	H-148
Dipende dal vetro	Vetro interna <i>internal glass gasket</i>	2	L-148
		2	H-148
AGP 5034/25	Isolamento spalla <i>abutment insulation</i>	1	L
		2	H

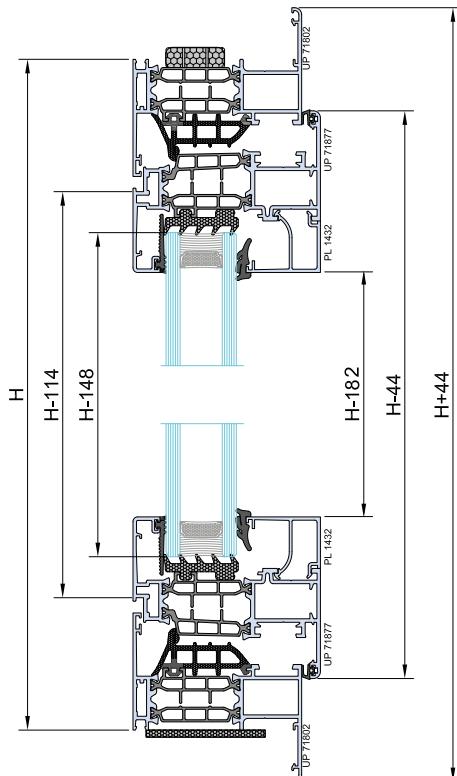
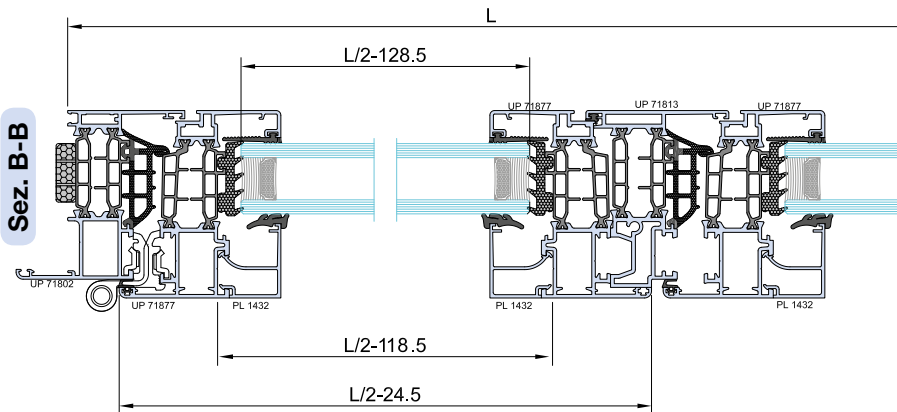


Finestra 2 ante  
2 leaf window

Distinta vetri  
Glass list

Pezzi	L	H
2	L/2-128.5	H-148

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm



Sez. A-A

Distinta profili  
Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio <i>transom frame</i>	2	L+44	
	Montante telaio <i>mullion frame</i>	2	H+44	
UP 71877	Traverso anta <i>transom leaf</i>	4	L/2-24.5	
	Montante anta <i>mullion leaf</i>	4	H-44	
PL 1432	Traverso fermavetro <i>transom glazing bead</i>	4	L/2-118.5	
	Montante fermavetro <i>mullion glazing bead</i>	4	H-182	
UP 71813	Riporto centrale <i>central cap</i>	1	H-114	

Distinta accessori  
Accessories

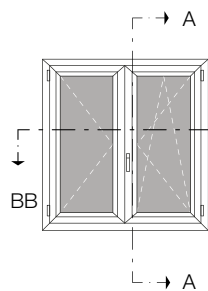
Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione <i>corner cleat</i>	12 pz
ACP 5001	Vite per squadretta <i>screw for corner cleat</i>	24 pz
ACP 5008	Squadretta all. inox <i>inox corner cleat</i>	12 pz
ACP 50110	Squadretta all. eccentrico <i>alignment corner cleat with tightening eccentrics</i>	8 pz
ACP 50153	Squadretta cianfrinare. est. <i>alignment corner cleat</i>	12 pz
ACP 5030	Spina ø3mm <i>Ø3mm pin</i>	24 pz
ACP 50405	Cerniera <i>hinge for flat frames</i>	4 pz
ACP 50475	Kit chiusura <i>locking kit</i>	1 kit
ACP 50400	Cremonese Aurora <i>Cremonese Aurora</i>	1 pz
ACP 50422	Kit Catenaccioli <i>bolt</i>	1 kit
ACP 50539	Regolo muro obliquo <i>oblique wall spacer</i>	6/8 pz
ACP 72179M	Tappo riporto <i>plug for central connection profile</i>	1 cp
AGP 72185	Angolo vulcanizzato <i>vulcanized corner</i>	4 pz

Distinte di taglio  
Cutting lists

Distinta guarnizioni  
Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta <i>wall seal</i>	4 3	L/2-24.5 H-44
AGP 40131	Sotto vetro <i>glazing strip</i>	4 4	L/2-108.5 H-128
AGP 5037	Isolamento muro <i>wall insulation</i>	1	L
AGP 72172	Pinna giunto aperto <i>central rabbet</i>	2 3	L-124 H-124
Dipende dal vetro	Vetro esterna <i>external glass gasket</i>	4 4	L/2-128.5 H-148
Dipende dal vetro	Vetro interna <i>internal glass gasket</i>	4 4	L/2-128.5 H-148
AGP 4006	Battuta riporto <i>rabbet gasket</i>	1	H-114
AGP 5034/25	Isolamento spalla <i>abutment insulation</i>	1 2	L H



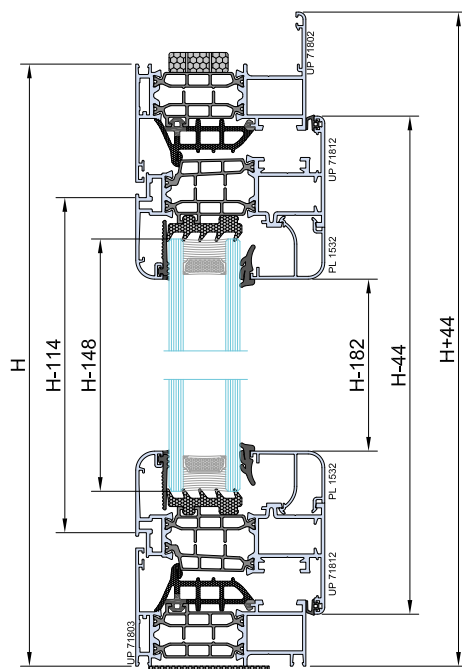
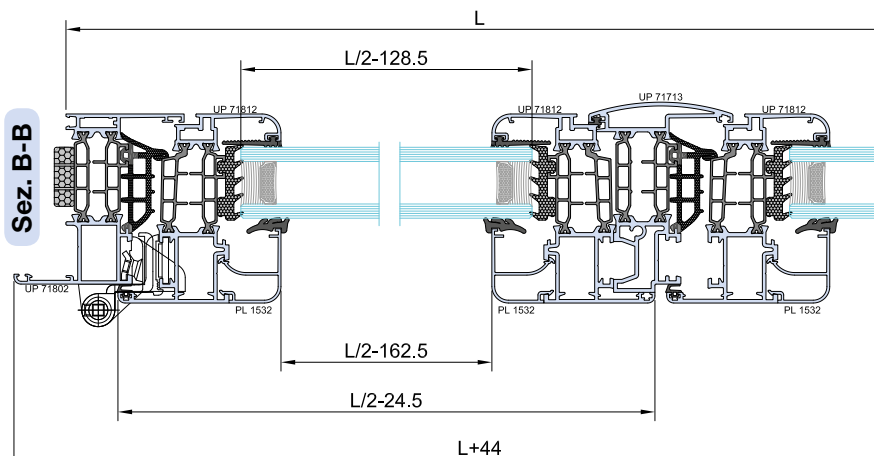


Finestra 2 ante ribalta  
T/T 2 leaf window

Distinta vetri  
Glass list

Pezzi	L	H
2	L/2-128.5	H-148

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm



Sez. A-A

Art.	Descrizione	Pezzi	Misura	Taglio	Art.	Descrizione	Q.tà
UP 71802	Traverso telaio superiore <i>head transom frame</i>	2	L+44		ACP 5801M	Squadretta multifunzione <i>corner cleat</i>	12 pz
	Montante telaio <i>mullion frame</i>	2	H+44		ACP 5001	Vite per squadretta <i>screw for corner cleat</i>	24 pz
UP 71803	Traverso telaio inferiore <i>threshold transom frame</i>	1	L		ACP 5008	Squadretta all. inox <i>inox corner cleat</i>	12 pz
UP 71812	Traverso anta <i>transom leaf</i>	4	L/2-24.5		ACP 50110	Squadretta all. eccentrico <i>alignment corner cleat with tightening eccentrics</i>	8 pz
	Montante anta <i>mullion leaf</i>	4	H-44		ACP 50153	Squadretta cianfrinare est. <i>alignment corner cleat</i>	12 pz
PL 1532	Traverso fermavetro <i>transom glazing bead</i>	4	L/2-162.5		ACP 5030	Spina ø3mm <i>Ø3mm pin</i>	24 pz
	Montante fermavetro <i>mullion glazing bead</i>	4	H-182		ACP 50476	Kit anta ribalta <i>tilt &amp; turn set</i>	1 kit
UP 71713	Riporto centrale <i>central cap</i>	1	H-114		ACP 50446/..	Braccio anta ribalta <i>tilt &amp; turn arm</i>	1 pz
AGP 4000	Battuta <i>wall seal</i>	4 3	L/2-24.5 H-44		ACP 50401	Cremonese Aurora <i>Cremonese Aurora</i>	1 pz
AGP 40131	Sotto vetro <i>glazing strip</i>	4 4	L/2-108.5 H-128		ACP 50456	Cerniere <i>hinge</i>	2 kit
AGP 5037	Isolamento muro <i>wall insulation</i>	1	L		ACP 50459	Adattatori per cerniere <i>hinge adapter</i>	1 pz
AGP 72172	Pinna giunto aperto <i>central rabbet</i>	2 3	L-124 H-124		ACP 50452	Kit catenaccioli <i>nylon bolt set</i>	1 kit
Dipende dal vetro	Vetro esterna <i>external glass gasket</i>	4 4	L/2-128.5 H-148		ACP 50421	Kit punto di chiusura <i>locking point kit</i>	1 kit
Dipende dal vetro	Vetro interna <i>internal glass gasket</i>	4 4	L/2-128.5 H-148		ACP 50539	Regolo muro obliquo <i>oblique wall spacer</i>	6/8 pz
AGP 4006	Battuta riporto <i>rabbet gasket</i>	1	H-114		ACP 72179M	Tappo riporto <i>plug for central connection profile</i>	1 cp
AGP 5034/25	Isolamento spalla <i>abutment insulation</i>	1 2	L H		AGP 72185	Angolo vulcanizzato <i>vulcanized corner</i>	4 pz
					ACP 5014	Angolo fermavetro <i>glazing bead corner</i>	8 pz

Distinta profili

Profiles list

Distinta guarnizioni

Gaskets list

Distinta accessori

Accessories

DISTINTE DI TAGLIO  
Cutting lists

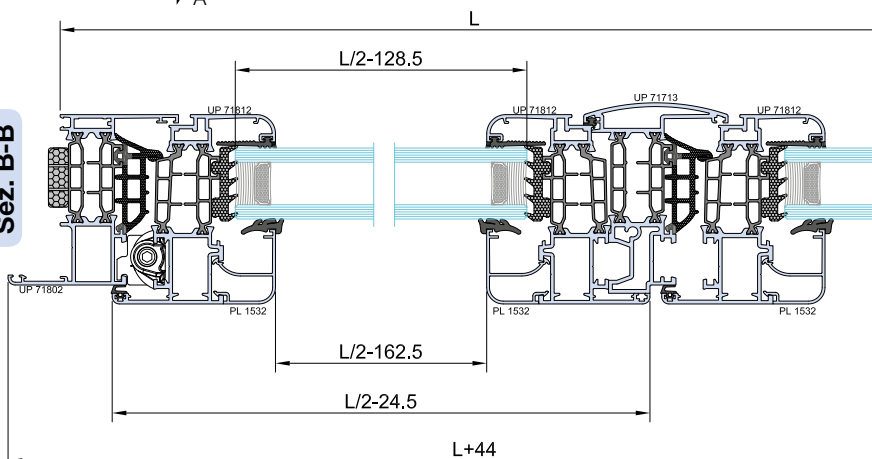
**Finestra 2 ante ribalta con ferramenta SECRET**  
T/T 2 leaf SECRET window

**Distinta vetri**  
Glass list

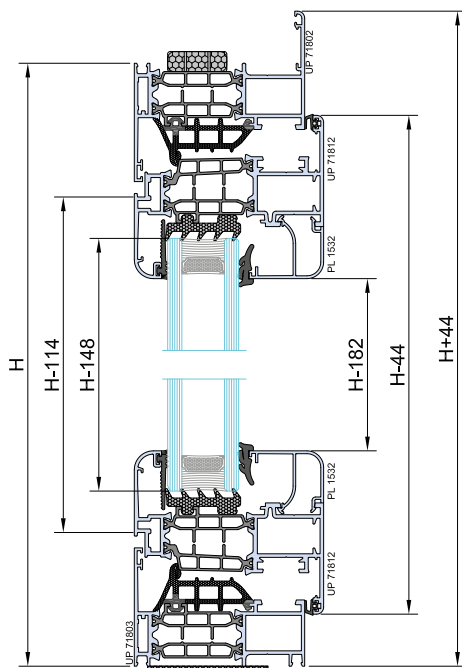
Pezzi	L	H
2	L/2-128.5	H-148

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm

Sez. B-B



Sez. A-A



Distinta profili

Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio transom frame	2	L+44	
	Montante telaio mullion frame	2	H+44	
UP 71803	Traverso telaio inferiore threshold transom frame	1	L	
UP 71812	Traverso anta transom leaf	4	L/2-24.5	
	Montante anta mullion leaf	4	H-44	
PL 1532	Traverso fermavetro transom glazing bead	4	L/2-162.5	
	Montante fermavetro mullion glazing bead	4	H-182	
UP 71713	Riporto centrale central cap	1	H-114	

Distinta accessori

Accessories

Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione corner cleat	12 pz
ACP 5001	Vite per squadretta screw for corner cleat	24 pz
ACP 5008	Squadretta all. inox inox corner cleat	12 pz
ACP 50110	Squadretta all. eccentrico alignment corner cleat with tightening eccentrics	8 pz
ACP 50153	Squadretta cianfrinare est. alignment corner cleat	12 pz
ACP 5030	Spina ø3mm Ø3mm pin	24 pz
ACP 5150/D	Kit anta ribalta SECRET tilt & turn SECRET set	1 kit
ACP 50478	Kit A/R standard per EXENS tilt & turn set for EXENS	1 kit
ACP 5157	Kit catenacciolo con manovra metal bolt set	1 kit
ACP 50539	Regolo muro obliquo oblique wall spacer	6/8 pz
ACP 72179M	Tappo riporto plug for central connection profile	1 cp
AGP 72185	Angolo vulcanizzato vulcanized corner	4 pz
ACP 5161	Kit cerniere anta passiva hinge set to combine leaf	1 kit
ACP 50314	Exens Aurora exens Aurora	1 pz
ACP 5014	Angolo fermavetro glazing bead corner	8 pz

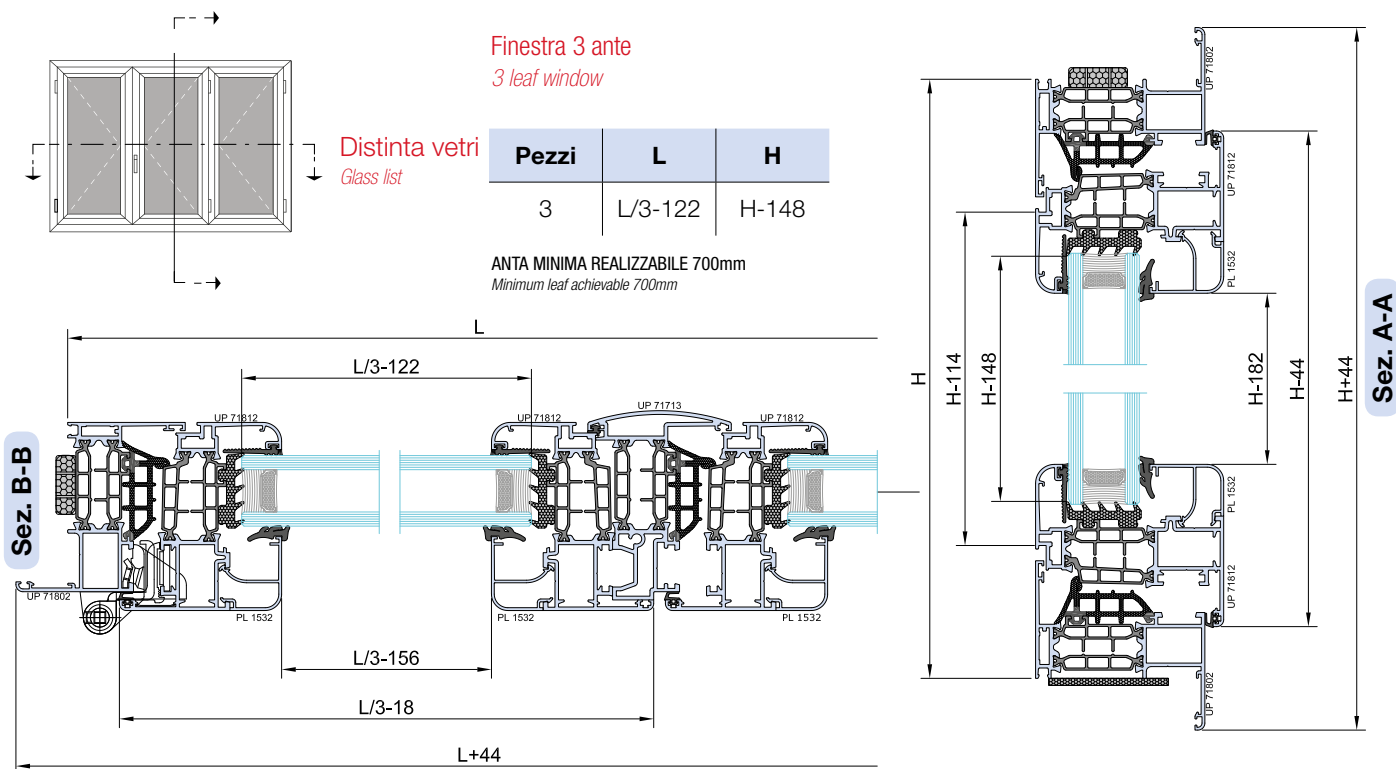
Distinte di taglio

Cutting lists

Distinta guarnizioni

Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta wall seal	4	L/2-24.5
		3	H-44
AGP 40131	Sotto vetro glazing strip	4	L/2-108.5
		4	H-128
AGP 5037	Isolamento muro wall insulation	1	L
AGP 72172	Pinna giunto aperto central rabbet	2	L-124
		3	H-124
Dipende dal vetro	Vetri esterni external glass gasket	4	L/2-128.5
		4	H-148
Dipende dal vetro	Vetri interni internal glass gasket	4	L/2-128.5
		4	H-148
AGP 4006	Battuta riporto rabbet gasket	1	H-114
AGP 5034/25	Isolamento spalla abutment insulation	1	L
		2	H



Distinta profili  
Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio superiore <i>head transom frame</i>	2	L+44	
	Montante telaio <i>mullion frame</i>	2	H+44	
UP 71812	Traverso anta <i>sil transom frame</i>	6	L/3-18	
	Montante anta <i>transom leaf</i>	6	H-44	
PL 1532	Traverso fermavetro <i>mullion leaf</i>	6	L/3-156	
	Montante fermavetro <i>transom glazing bead</i>	6	H-182	
UP 71713	Riporto centrale <i>central cap</i>	2	H-114	

Accessori  
Distincta accessori

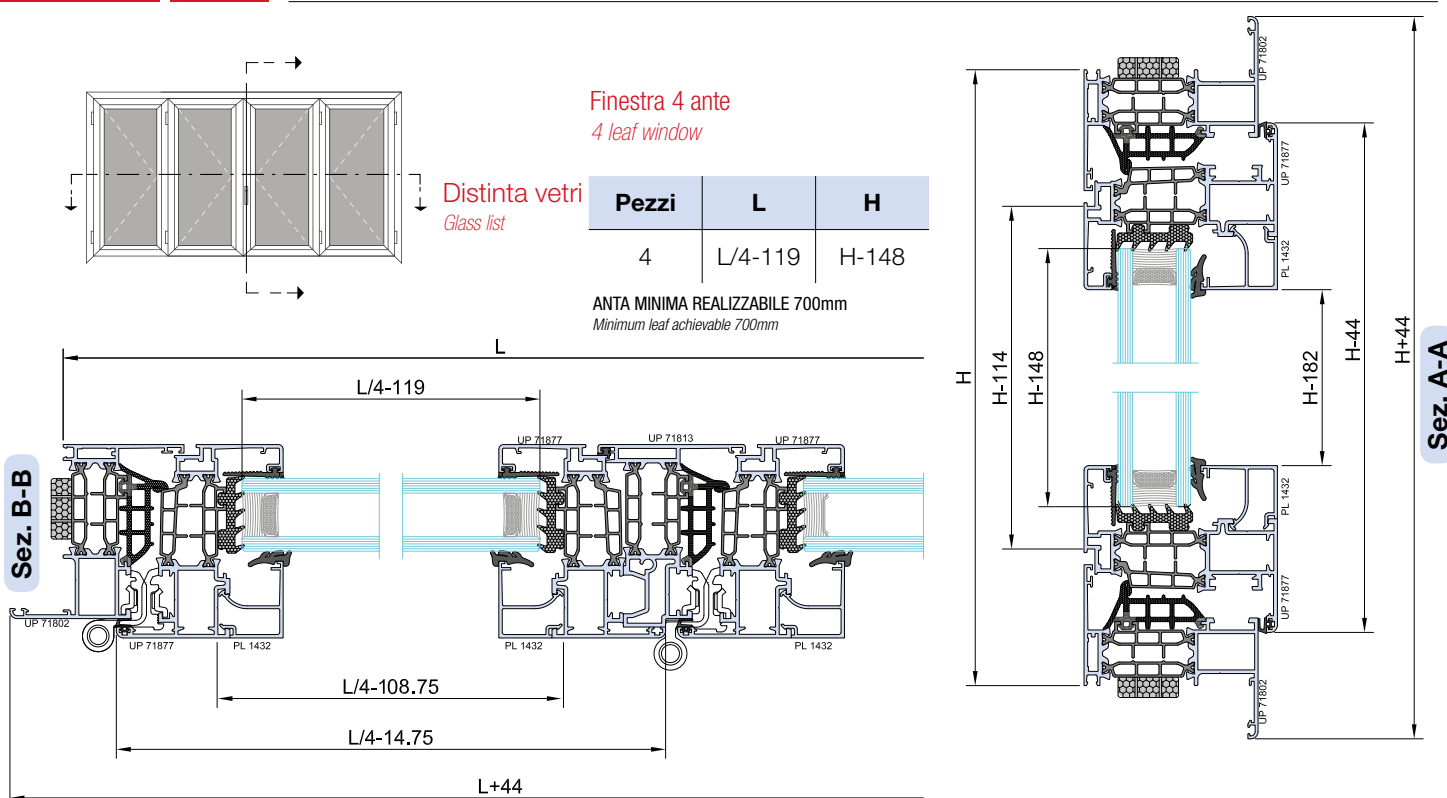
Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione <i>corner cleat</i>	16 pz
ACP 5001	Vite per squadretta <i>screw for corner cleat</i>	32 pz
ACP 5008	Squadretta all. inox <i>inox corner cleat</i>	16 pz
ACP 50110	Squadretta all. eccentrico <i>alignment corner cleat with tightening eccentrics</i>	12 pz
ACP 50153	Squadretta cianfrinare est. <i>alignment corner cleat</i>	16 pz
ACP 5030	Spina ø3mm <i>Ø3mm pin</i>	32 pz
ACP 50405	Cerniera <i>hinge for flat frames</i>	4 pz
ACP 50407	Cerniera 3ª anta <i>hinge for 3ª leaf</i>	2 pz
ACP 50400	Cremonese Aurora <i>Cremonese Aurora</i>	1 pz
ACP 5014	Angolo fermavetro <i>glazing bead corner</i>	12 pz
ACP 50539	Regolo muro obliquo <i>oblique wall spacer</i>	6/8 pz
ACP 72179M	Tappo riporto <i>plug for central connection profile</i>	2 cp
AGP 72185	Angolo vulcanizzato <i>vulcanized corner</i>	4 pz
ACP 50422	Kit catenaccioli <i>nylon bolt set</i>	2 kit
ACP 50475	Kit chiusura <i>locking kit</i>	1 kit
ACP 50226	Piastrina sostegno anta <i>plastic support for leaf</i>	2 pz
ACP 50582	Incontro asta <i>single rod keeper</i>	2 pz

Distinta guarnizioni  
Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta <i>wall seal</i>	6 4	L/3-18 H-44
AGP 40131	Sotto vetro <i>glazing strip</i>	6 6	L/3-102 H-128
AGP 5037	Isolamento muro <i>wall insulation</i>	1	L
AGP 72172	Pinna giunto aperto <i>central rabbet</i>	2 4	L-124 H-124
Dipende dal vetro	Vetro esterna <i>external glass gasket</i>	6 6	L/3-122 H-148
Dipende dal vetro	Vetro interna <i>internal glass gasket</i>	6 6	L/3-122 H-148
AGP 4006	Battuta riporto <i>rabbet gasket</i>	2	H-114
AGP 5034/25	Isolamento spalla <i>abutment insulation</i>	1 2	L H

Sez. A-A

DISTINTE DI TAGLIO  
Cutting lists



Distinta profili Profiles list

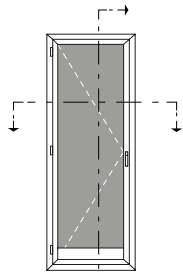
Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio superiore <i>head transom frame</i>	2	L+44	
	Montante telaio <i>mullion frame</i>	2	H+44	
UP 71877	Traverso anta <i>sil transom frame</i>	8	L/4-14.75	
	Montante anta <i>transom leaf</i>	8	H-44	
PL 1432	Traverso fermavetro <i>mullion leaf</i>	8	L/4-108.75	
	Montante fermavetro <i>transom glazing bead</i>	8	H-182	
UP 71813	Riporto centrale <i>central cap</i>	3	H-114	

Distinta accessori Accessories

Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione <i>corner cleat</i>	20 pz
ACP 5001	Vite per squadretta <i>screw for corner cleat</i>	40 pz
ACP 5008	Squadretta all. inox <i>inox corner cleat</i>	20 pz
ACP 50110	Squadretta all. eccentrico <i>alignment corner cleat with tightening eccentrics</i>	16 pz
ACP 50153	Squadretta cianfrinare est. <i>alignment corner bracket</i>	20 pz
ACP 5030	Spina ø3mm <i>Ø3mm pin</i>	40 pz
ACP 50405	Cerniera <i>hinge for flat frames</i>	4 pz
ACP 50407	Cerniera 3ª anta <i>hinge for 3ª leaf</i>	4 pz
ACP 50400	Cremonese Aurora <i>Cremonese Aurora</i>	1 pz
ACP 50422	Kit catenaccioli <i>nylon bolt set</i>	3 kit
ACP 50539	Regolo muro obliquo <i>oblique wall spacer</i>	6/8 pz
ACP 72179M	Tappo riporto <i>plug for central connection profile</i>	3 cp
AGP 72185	Angolo vulcanizzato <i>vulcanized corner</i>	4 pz
ACP 50475	Kit chiusura <i>locking kit</i>	1 pz
ACP 50226	Piastrina sostegno anta <i>plastic support for leaf</i>	2 pz
ACP 50582	Incontro asta <i>single rod keeper</i>	2 pz

DISTINTE DI TAGLIO Cutting lists Distinta guarnizioni Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta <i>wall seal</i>	8 5	L/4-14 H-44
AGP 40131	Sotto vetro <i>glazing strip</i>	8 8	L/4-99 H-128
AGP 5037	Isolamento muro <i>wall insulation</i>	1	L
AGP 72172	Pinna giunto aperto <i>central rabbet</i>	2 5	L-124 H-124
Dipende dal vetro	Vetro esterna <i>external glass gasket</i>	8 8	L/4-119 H-148
Dipende dal vetro	Vetro interna <i>internal glass gasket</i>	8 8	L/4-119 H-148
AGP 4006	Battuta riporto <i>rabbet gasket</i>	3	H-114
AGP 5034/25	Isolamento spalla <i>abutment insulation</i>	1 2	L H



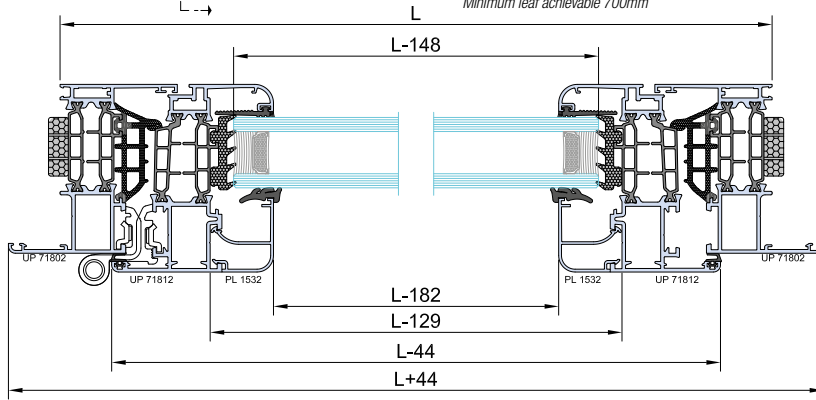
Porta finestra 1 anta  
Door window 1 leaf

Distinta vetri  
Glass list

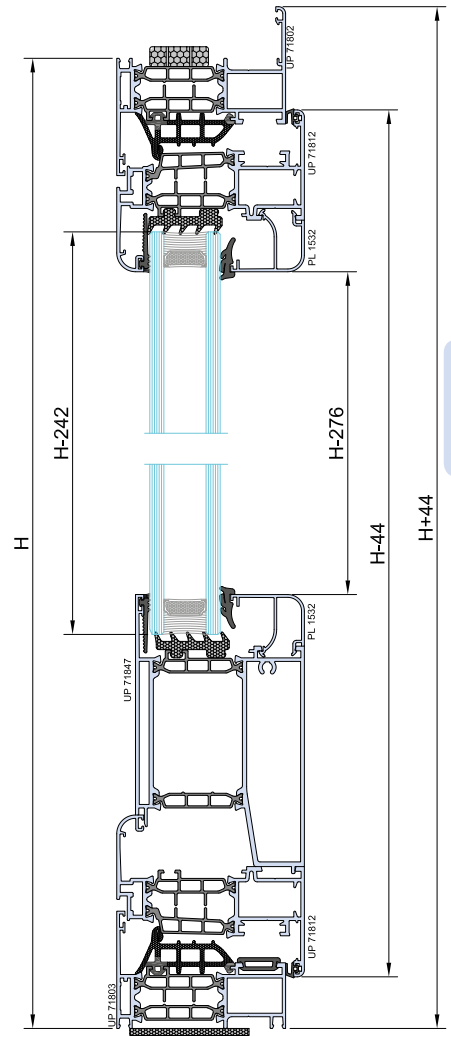
Pezzi	L	H
1	L-148	H-242

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm

Sez. B-B



Sez. A-A



Distinta profili  
Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio superiore <i>head transom frame</i>	1	L+44	
	Montante telaio <i>mullion frame</i>	2	H+44	
UP 71803	Traverso telaio inferiore <i>threshold transom frame</i>	1	L	
UP 71812	Traverso anta <i>transom leaf</i>	2	L-44	
	Montante anta <i>mullion leaf</i>	2	H-44	
PL 1532	Traverso fermavetro <i>transom glazing bead</i>	4	L-182	
	Montante fermavetro <i>mullion glazing bead</i>	2	H-276	
UP 71847	Zoccolo riportato <i>fixed base</i>	1	L-129	

Distinta accessori  
Accessories

Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione <i>corner cleat</i>	8 pz
ACP 5001	Vite per squadretta <i>screw for corner cleat</i>	16 pz
ACP 5008	Squadretta all. inox <i>inox corner cleat</i>	6 pz
ACP 50110	Squadretta all. eccentrico <i>alignment corner cleat with tightening eccentrics</i>	4 pz
ACP 50153	Squadretta cianfrinare. est. <i>alignment corner cleat</i>	8 pz
ACP 5030	Spina ø3mm <i>ø3mm pin</i>	16 pz
ACP 50405	Cerniera <i>hinge for flat frames</i>	3 pz
ACP 50400	Cremonese Aurora <i>Cremonese Aurora</i>	1 pz
ACP 50475	Kit chiusura <i>locking kit</i>	1 kit
ACP 50539	Regolo muro obliquo <i>oblique wall spacer</i>	6/8 pz
ACP 5014	Angolo fermavetro <i>glazing bead corner</i>	4 pz
AGP 72185	Angolo vulcanizzato <i>vulcanized corner</i>	4 pz

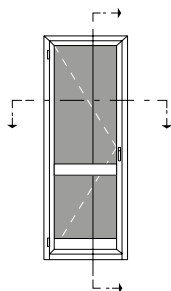
DISTINTE DI TAGLIO  
Cutting lists

Distinta guarnizioni  
Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta <i>wall seal</i>	2	L-44
		2	H-44
AGP 40131	Sotto vetro <i>glazing strip</i>	2	L-128
		2	H-222
AGP 5037	Isolamento muro <i>wall insulation</i>	1	L
AGP 72172	Pinna giunto aperto <i>central beat</i>	2	L-124
		2	H-124
Dipende dal vetro	Vetro esterna <i>external glass gasket</i>	2	L-148
		2	H-276
Dipende dal vetro	Vetro interna <i>internal glass gasket</i>	2	L-148
		2	H-276
AGP 4040	Copri cava <i>cover strip</i>	1	L-44
AGP 5034/25	Isolamento spalla <i>abutment insulation</i>	1	L
		2	H



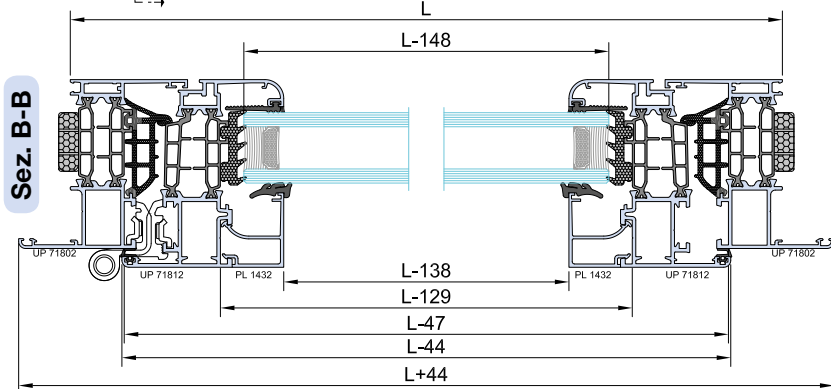
Porta finestra 1 anta soglia ribassata con traverso  
Door window 1 leaf lowered threshold with transom



Distinta vetri  
Glass list

Pezzi	L	H
1	L-148	H1-183
1	L-148	H2-103

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm



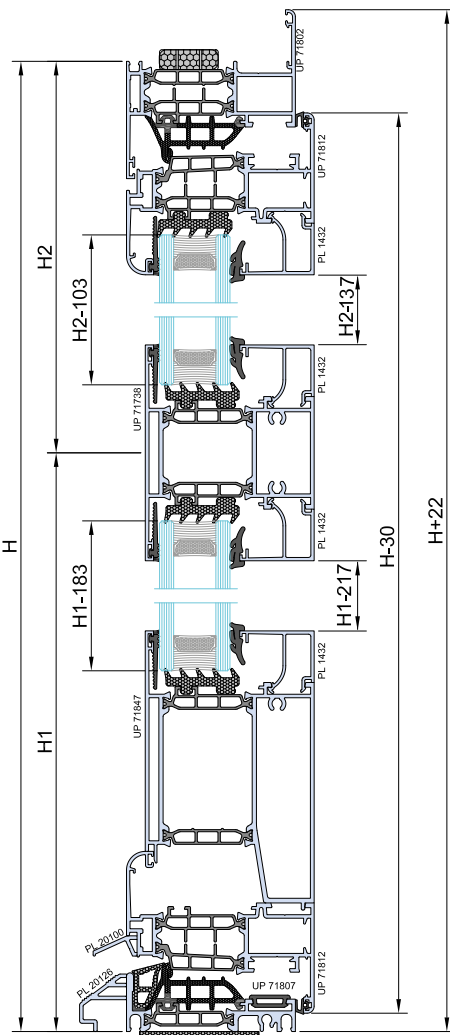
Sez. B-B

Distinta profili  
Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio superiore head transom frame	1	L+44	
	Montante telaio mullion frame	2	H+22	
UP 71807	Soglia ribassata 25 mm low threshold 25 mm	1	L-47	
UP 71812	Traverso anta transom leaf	2	L-44	
	Montante anta mullion leaf	2	H-30	
PL 1432	Traverso fermavetro transom glazing bead	4	L-138	
	Montante fermavetro mullion glazing bead	2	H1-217	
	Montante fermavetro mullion glazing bead	2	H2-137	
UP 71847	Zoccolo riportato fied base	1	L-129	
PL 20126	Rinforzo soglia ribassata low threshold	1	L	
PL 20100	Gocciolatoio drip fin	1	L-110	
UP 71738	Fascia crosspiece	1	L-129	

Distinta guarnizioni  
Gaskets list

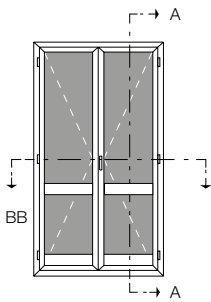
Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta wall seal	2 2	L-44 H-30
AGP 40131	Sotto vetro glazing strip	4 2 2	L-128 H1-163 H2-83
AGP 5037	Isolamento muro wall insulation	1	L
AGP 72172	Pinna giunto aperto central beat	1 2	L-124 H-114
Dipende dal vetro	Vetro esterna external glass gasket	4 2 2	L-148 H1-183 H2-103
Dipende dal vetro	Vetro interna internal glass gasket	4 2 2	L-148 H1-183 H2-103
AGP 6502	Guarnizione supplementare addition gasket	1	L-124
AGP 5034/25	Isolamento spalla abutment insulation	1 2	L H
AGP 4040	Copri cava cover strip	1	L-44



Sez. A-A

Distinta accessori  
Accessories

Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione corner cleat	6 pz
ACP 5001	Vite per squadretta screw for corner cleat	12 pz
ACP 5008	Squadretta all. inox inox corner cleat	6 pz
ACP 50110	Squadretta all. eccentrico alignment corner cleat with tightening eccentrics	4 pz
ACP 50153	Squadretta cianfrinare. est. alignment corner cleat	6 pz
ACP 5030	Spina ø3mm Ø3mm pin	12 pz
ACP 50536	Regolo muro obliquo oblique wall spacer	6/8 pz
AGP 72185	Angolo vulcanizzato vulcanized corner	4 pz
ACP 7208	Cavalotto di allineamento alignment clamp	4 pz
ACP 50405	Cerniera hinge	3 pz
ACP 50400	Cremonese Aurora cremonese Aurora	1 pz
ACP 50475	Kit chiusura locking kit	1 kit

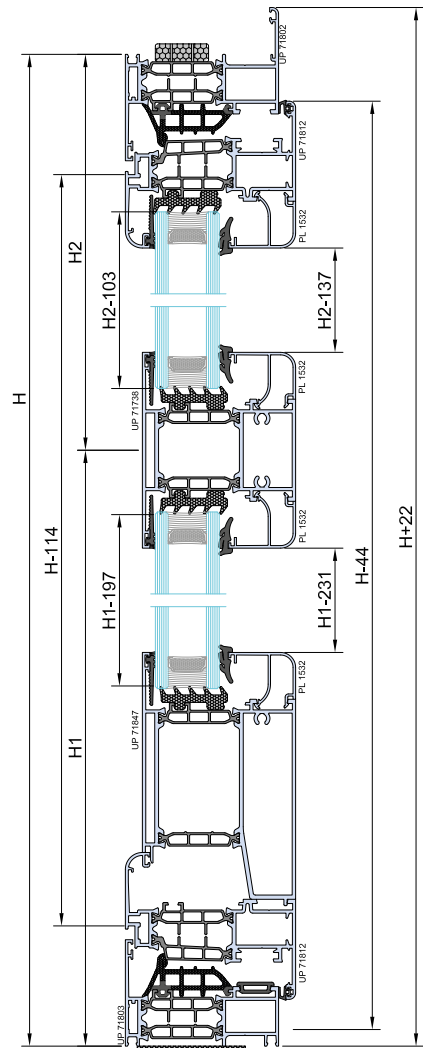
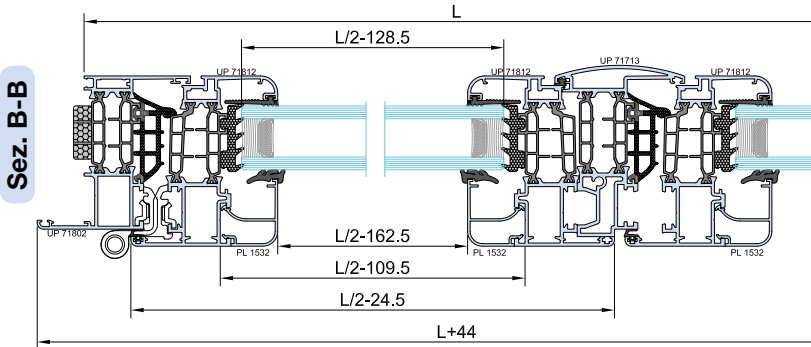


Porta finestra 2 ante con traverso  
Door window 2 leaf with transom

Distinta vetri  
Glass list

Pezzi	L	H
2	L/2-128.5	H1-197
2	L/2-128.5	H2-103

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm



Profiles list  
Distinta profili

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio superiore head transom frame	1	L+44	
	Montante telaio mullion frame	2	H+44	
UP 71803	Traverso telaio inferiore threshold transom frame	1	L	
UP 71812	Traverso anta transom leaf	4	L/2-24.5	
	Montante anta mullion leaf	4	H-44	
PL 1532	Traverso fermavetro transom glazing bead	8	L/2-162.5	
	Montante fermavetro mullion glazing bead	4	H1-231	
	Montante fermavetro mullion glazing bead	4	H2-137	
UP 71847	Zoccolo riportato fied base	2	L/2-109.5	
UP 71738	Fascia crosspiece	2	L/2-109.5	
UP 71713	Riporto centrale central cap	1	H-114	

Gaskets list  
Distinta guarnizioni

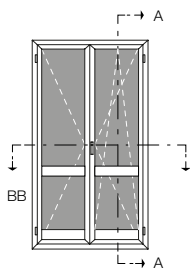
Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta wall seal	4	L/2-24.5
		3	H-44
AGP 40131	Sotto vetro glazing strip	8	L/2-106.5
		4	H1-177
		4	H2-83
AGP 5037	Isolamento muro wall insulation	1	L
AGP 72172	Pinna giunto aperto central beat	2	L-124
		3	H-124
Dipende dal vetro	Vetro esterna external glass gasket	8	L/2-128.5
		4	H1-197
		4	H2-103
Dipende dal vetro	Vetro interna internal glass gasket	8	L/2-128.5
		4	H1-197
		4	H2-103
AGP 4006	Battuta riporto addition gasket	1	H-114
AGP 5034/25	Isolamento spalla abutment insulation	1	L
		2	H
AGP 4040	Copri cava cover strip	1	L-44

Accessories  
Distinta accessori

Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione corner cleat	12 pz
ACP 5001	Vite per squadretta screw for corner cleat	24 pz
ACP 5008	Squadretta all. inox inox corner cleat	10 pz
ACP 50110	Squadretta all. eccentrico alignment corner cleat with tightening eccentrics	8 pz
ACP 50153	Squadretta cianfrinare. est. alignment corner cleat	12 pz
ACP 5030	Spina ø3mm ø3mm pin	24 pz
ACP 50405	Cerniera hinge for flat frames	6 pz
ACP 50400	Cremonese Aurora Cremonese Aurora	1 pz
ACP 50422	Kit catenaccioli nylon bolt set	1 kit
ACP 50539	Regolo muro obliquo oblique wall spacer	6/8 pz
ACP 5014	Angolo fermavetro glazing bead corner	16 pz
AGP 72185	Angolo vulcanizzato vulcanized corner	4 pz
ACP 72179M	Tappo riporto plug for central connection profile	1 cp
ACP 7208	Cavallotto allineamento alignment clamp	8 pz
ACP 50475	Kit chiusura locking kit	1 kit
ACP 50421	Kit punti di chiusura locking point kit	1 kit

DISTINTE DI TAGLIO  
Cutting lists

Porta finestra 2 ante ribalta soglia ribassata con traverso  
T/T door window 2 leaf lowered threshold with transom

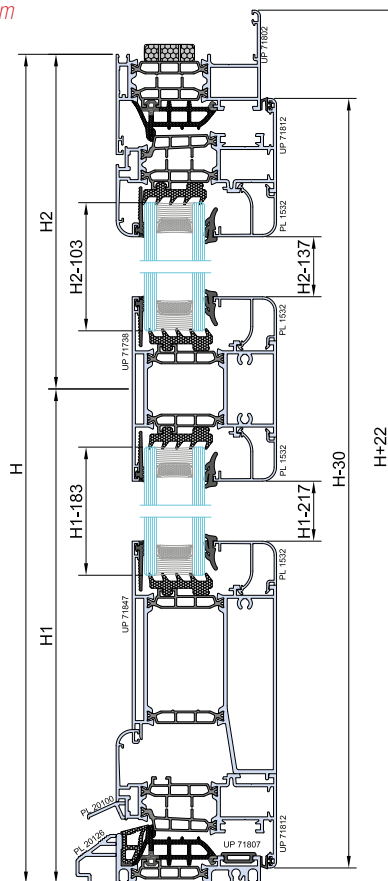
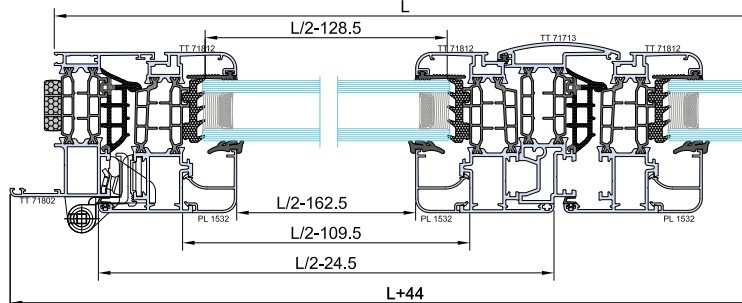


Distinta vetri  
Glass list

Pezzi	L	H
2	L/2-128.5	H1-183
2	L/2-128.5	H2-103

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm

Sez. B-B



Sez. A-A

Distinta profili  
Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio superiore head transom frame	1	L+44	
	Montante telaio mullion frame	2	H+22	
UP 71807	Soglia ribassata 25 mm low threshold 25 mm	1	L-47	
UP 71812	Traverso anta transom leaf	4	L/2-24.5	
	Montante anta mullion leaf	4	H-30	
PL 1532	Traverso fermavetro transom glazing bead	8	L/2-162.5	
	Montante fermavetro mullion glazing bead	4	H1-217	
	Montante fermavetro mullion glazing bead	4	H2-137	
UP 71847	Zoccolo riportato fied base	2	L/2-109.5	
UP 71738	Fascia crosspiece	2	L/2-109.5	
UP 71713	Ripporto centrale central cap	1	H-100	
PL 20126	Rinforzo soglia ribassata low threshold	1	L	
PL 20100	Gocciolatoio drip fin	1	L/2-24.5	
		1	L/2-90.5	

Distinta accessori  
Accessories

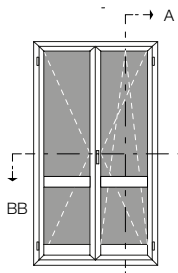
Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione corner cleat	10 pz
ACP 5001	Vite per squadretta screw for corner cleat	20 pz
ACP 5008	Squadretta all. inox inox corner cleat	10 pz
ACP 50110	Squadretta all. eccentrico alignment corner cleat with tightening eccentrics	8 pz
ACP 50153	Squadretta cianfrinare. est. alignment corner cleat	10 pz
ACP 5030	Spina ø3mm Ø3 mm pin	20 pz
ACP 50539	Regolo muro obliquo oblique wall spacer	6/8 pz
ACP 5014	Angolo fermavetro glazing bead corner	16 pz
AGP 72185	Angolo vulcanizzato vulcanized corner	4 pz
ACP 7208	Cavalotto allineamento alignment clamp	8 pz
ACP 72179M	Tappo riporto plug for central connection profile	1 cp
ACP 50476	Kit anta ribalta tilt & turn set	1 kit
ACP 50401	Cremonese Aurora cremonese Aurora	1 pz
ACP 50446/..	Braccio ribalta tilt window arm	1 pz
ACP 50456	Kit cerniere anta passiva hinge for leaf	1 kit
ACP 50459	Adattatore per cerniere hinge adapter	1 pz
ACP 50452	Kit catenaccioli nylon bolt set	1 kit
ACP 50421	Kit punto di chiusura locking point kit	1 kit

Distinta guarnizioni  
Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta wall seal	4	L/2-24.5
		3	H-30
AGP 40131	Sotto vetro glazing strip	8	L/2-106.5
		4	H1-177
		4	H2-83
AGP 5037	Isolamento muro wall insulation	1	L
AGP 72172	Pinna giunto aperto central beat	2	L-124
		3	H-114
Dipende dal vetro	Vetro esterna external glass gasket	8	L/2-128.5
		4	H1-197
		4	H2-103
Dipende dal vetro	Vetro interna internal glass gasket	8	L/2-128.5
		4	H1-197
		4	H2-103
AGP 4006	Battuta riporto addition gasket	1	H-100
AGP 5034/25	Isolamento spalla abutment insulation	1 2	L H
AGP 6502	Guarnizione supplementare addition gasket	1	L-124
AGP 4040	Copri cava cover strip	1	L-44



Porta finestra 2 ante ribalta ferramenta SECRET soglia ribassata  
T/T door window 2 leaf SECRET lowered threshold

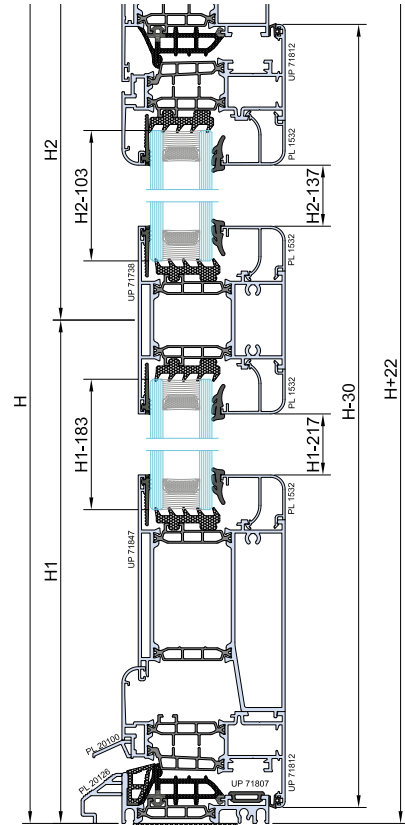
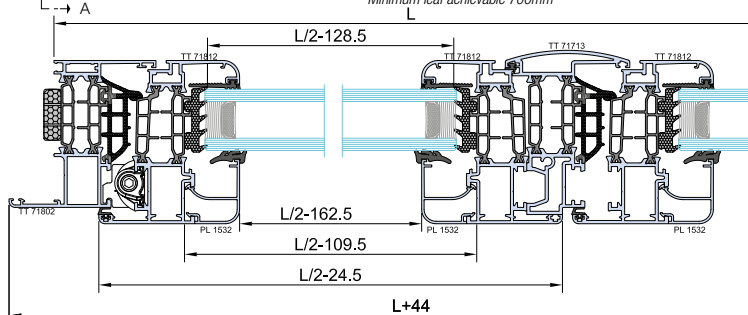


Distinta vetri  
Glass list

Pezzi	L	H
2	L/2-128.5	H1-183
2	L/2-128.5	H2-103

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm

Sez. B-B



Sez. A-A

Distinta profili  
Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio superiore head transom frame	1	L+44	
	Montante telaio mullion frame	2	H+22	
UP 71807	Soglia ribassata 25 mm low threshold 25 mm	1	L-47	
UP 71812	Traverso anta transom leaf	4	L/2-24.5	
	Montante anta mullion leaf	4	H-30	
PL 1532	Traverso fermavetro transom glazing bead	8	L/2-162.5	
	Montante fermavetro mullion glazing bead	4	H1-217	
	Montante fermavetro mullion glazing bead	4	H2-137	
UP 71847	Zoccolo riportato fixed base	2	L/2-109.5	
UP 71738	Fascia crosspiece	2	L/2-109.5	
UP 71713	Ripporto centrale central cap	1	H-100	
PL 20126	Rinforzo soglia ribassata low threshold	1	L	
PL 20100	Gocciolatoio drip fin	1	L/2-24.5	
		1	L/2-90.5	

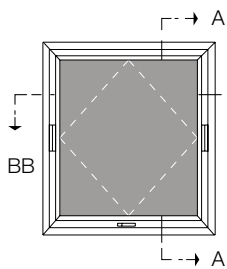
Distinta accessori  
Accessories

Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione corner cleat	10 pz
ACP 5001	Vite per squadretta screw for corner cleat	20 pz
ACP 5008	Squadretta all. inox inox corner cleat	10 pz
ACP 50110	Squadretta all. eccentrico alignment corner cleat with tightening eccentrics	8 pz
ACP 50153	Squadretta cianfrinare. est. alignment corner cleat	10 pz
ACP 5030	Spina ø3mm Ø3mm pin	20 pz
ACP 50539	Regolo muro obliquo oblique wall spacer	6/8 pz
ACP 5014	Angolo fermavetro glazing bead corner	16 pz
AGP 72185	Angolo vulcanizzato vulcanized corner	4 pz
ACP 7208	Cavalotto allineamento alignment clamp	8 pz
ACP 72179M	Tappo riporto plug for central connection profile	1 cp
ACP 5150/D	Kit anta ribalta SECRET tilt & turn SECRET set	1 kit
ACP 50478	Kit manovra tilt & turn set	1 kit
ACP 5161	Kit cerniere anta passiva hinge for leaf	1 kit
ACP 5157	Kit catenaccioli con manovra bolt set	1 kit
ACP 50314	Exens Aurora exens Aurora	1 pz

Distinta guarnizioni  
Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta wall seal	4	L/2-24.5
		3	H-30
AGP 40131	Sotto vetro glazing strip	8	L/2-106.5
		4	H1-177
		4	H2-83
AGP 5037	Isolamento muro wall insulation	1	L
AGP 72172	Pinna giunto aperto central beat	2 3	L-124 H-114
Dipende dal vetro	Vetro esterna external glass gasket	8	L/2-128.5
		4	H1-183
		4	H2-103
Dipende dal vetro	Vetro interna internal glass gasket	8	L/2-128.5
		4	H1-197
		4	H2-103
AGP 4006	Battuta riporto addition gasket	1	H-100
AGP 5034/25	Isolamento spalla abutment insulation	1 2	L H
AGP 6502	Guarnizione supplementare addition gasket	1	L-124
AGP 4040	Copri cava cover strip	1	L-44

Distinta di taglio  
Cutting list



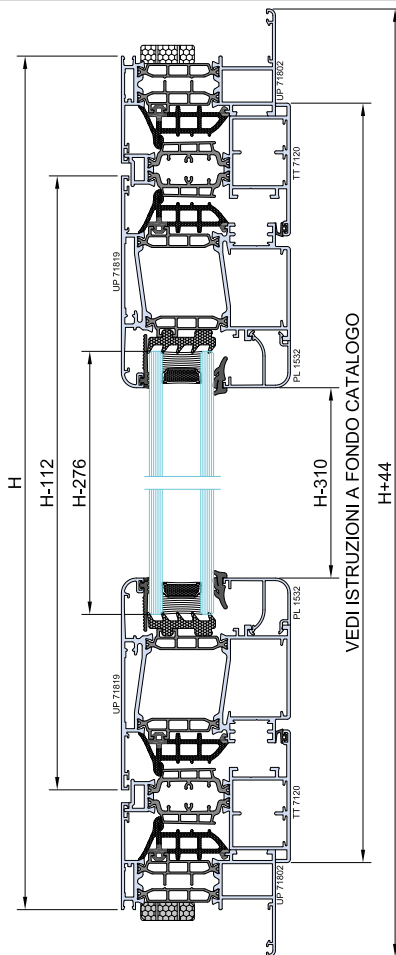
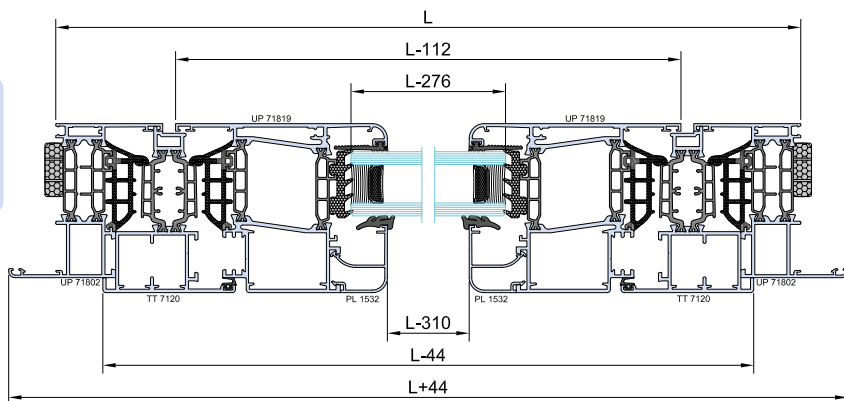
**Bilico orizzontale**  
Horizontal pivot window- glazing bead solution

Distinta vetri  
Glass list

Pezzi	L	H
1	L-276	H-276

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm

Sez. B-B



Sez. A-A

Distinta profili  
Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio transom frame	2	L+44	
	Montante telaio mullion frame	2	H+44	
UP 71819	Traverso anta transom leaf	2	L-112	
	Montante anta mullion leaf	2	H-112	
PL 1532	Traverso fermavetro transom glazing bead	2	L-310	
	Montante fermavetro mullion glazing bead	2	H-310	
TT 7120	Traverso inversione transom	2	L-44	
	Montante inversione mullion	vedi istruzioni a fondo catalogo		

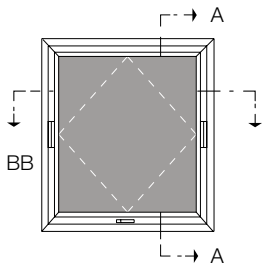
Distinta accessori  
Accessories

Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione corner cleat	8 pz
ACP 5008	Squadretta all. inox inox corner cleat	8 pz
ACP 50110	Squadretta all. eccentrico alignment corner cleat with tightening eccentrics	4 pz
ACP 50153	Squadretta cianfrinare. est. alignment corner cleat	4 pz
ACP 5030	Spina ø3mm Ø3mm pin	16 pz
ACP 50154	Squadretta cianfrinare est. alignment corner cleat	4 pz
ACP 50539	Regolo muro obliquo oblique wall spacer	6/8 pz
ACP 5014	Angolo fermavetro glazing bead corner	4 pz
ACP 5092	Frizione bilico friction joint for horizontal pivot window	1 kit
ACP 5802	Squadretta multifunzione multi-purpose corner cleat	4 pz
AGP 72185	Angolo vulcanizzato vulcanized corner	4 pz
ACP 5094	Spessore spacer	2 pz
ACP 5001	Vite per squadretta screw for cleat	24 pz
ACP 50552	Martellina Aurora martellina Aurora	1 pz
ACP 50458	Chiusura 6 punti bilico 6 points horizontal pivot window	1 kit
ACP 50267	Meccanismo martellina martellina mechanism	1 pz
ACP 50268	Perno per ACP 50267 pin for ACP 50267	2 pz
ACP 50119	Kit tappi invers. bilico orizzontale horizontal pivot plugs	1kit

Distinta di taglio  
Cutting lists

Distinta guarnizioni  
Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta wall seal	2	L-44
		2	H-44
AGP 40131	Sotto vetro glazing strip	2	L-256
		2	H-256
AGP 5037	Isolamento muro wall insulation	1	L
AGP 72172	Pinna giunto aperto central beat	2	L-144
		2	H-144
		2	L-112
		2	H-112
Dipende dal vetro	Vetro esterna external glass gasket	2	L-256
		2	H-256
Dipende dal vetro	Vetro interna internal glass gasket	2	L-256
		2	H-256
AGP 5034/25	Isolamento spalla abutment insulation	1	L
		2	H

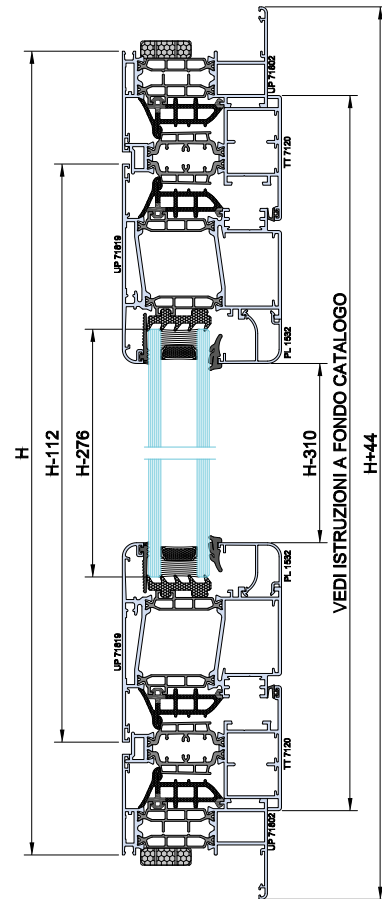
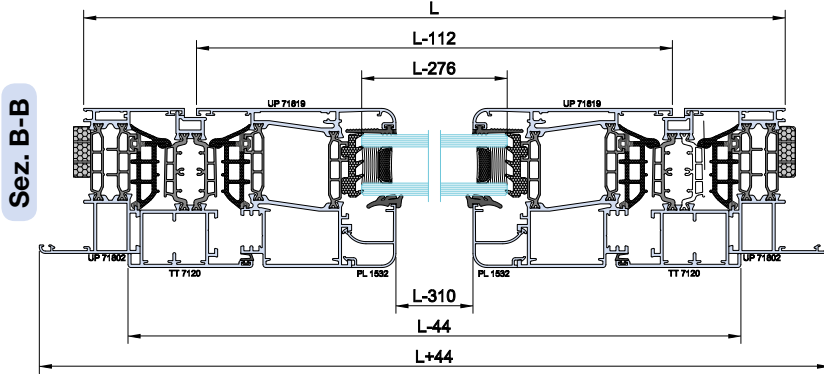


Bilico orizzontale  
Horizontal pivot window - glazing bead solution

Distinta vetri  
Glass list

Pezzi	L	H
1	L-276	H-276

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm



Distinta profili  
Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio <i>transom frame</i>	2	L+44	
	Montante telaio <i>mullion frame</i>	2	H+44	
UP 71819	Traverso anta <i>transom leaf</i>	2	L-112	
	Montante anta <i>mullion leaf</i>	2	H-112	
PL 1532	Traverso fermavetro <i>transom glazing bead</i>	2	L-310	
	Montante fermavetro <i>mullion glazing bead</i>	2	H-310	
TT 7120	Traverso inversione <i>transom</i>	2	L-44	
	Montante inversione <i>mullion</i>	vedi istruzioni a fondo catalogo		

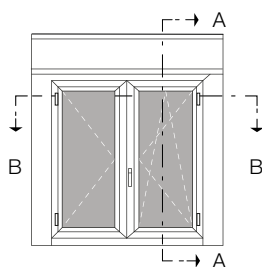
Distinta guarnizioni  
Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta <i>wall seal</i>	2	L-44
		2	H-44
AGP 40131	Sotto vetro <i>glazing strip</i>	2	L-256
		2	H-256
AGP 5037	Isolamento muro <i>wall insulation</i>	1	L
AGP 72172	Pinna giunto aperto <i>central beat</i>	2	L-144
		2	H-144
		2	L-112
		2	H-112
Dipende dal vetro	Vetro esterna <i>external glass gasket</i>	2	L-256
		2	H-256
Dipende dal vetro	Vetro interna <i>internal glass gasket</i>	2	L-256
		2	H-256
AGP 5034/25	Isolamento spalla <i>abutment insulation</i>	1	L
		2	H

Distinta accessori  
Accessories

Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione <i>corner cleat</i>	8 pz
ACP 5802	Squadretta multifunzione <i>corner cleat</i>	4 pz
ACP 5001	Vite per squadretta <i>screw for corner cleat</i>	24 pz
ACP 5008	Squadretta all. inox <i>inox corner cleat</i>	8 pz
ACP 50110	Squadretta all. eccentrico <i>alignment corner cleat with tightening eccentrics</i>	4 pz
ACP 50153	Squadretta cianfrinare est. <i>alignment corner cleat</i>	4 pz
ACP 50154	Squadretta cianfrinare est. <i>alignment corner cleat</i>	4 pz
ACP 5030	Spina $\varnothing 3\text{mm}$ $\varnothing 3\text{mm}$ pin	16 pz
ACP 5091M	Frizione bilico <i>pivot clutch with stop</i>	1 cp
ACP 5100	Contropiastre frizione bilico <i>planet for pivot clutch</i>	1 kit
ACP 50458	Kit chiusura 6 punti bilico <i>6 points horizontal pivot window</i>	1 kit
ACP 50552	Martellina Aurora <i>martellina Aurora</i>	1 pz
ACP 50267	Meccanismo martellina <i>martellina mechanism</i>	1 pz
AGP 72185	Angolo vulcanizzato <i>vulcanized corner</i>	4 pz
ACP 50268	Perno per ACP 50267 <i>pin for ACP 50267</i>	1 pz
ACP 50539	Regolo muro obliquo <i>oblique wall spacer</i>	6/8 pz
ACP 5014	Angolo fermavetro <i>glazing bead corner</i>	4 pz

DISTINTE DI TAGLIO  
Cutting lists



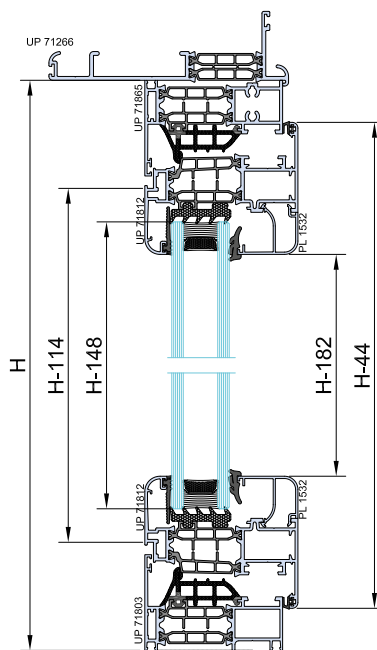
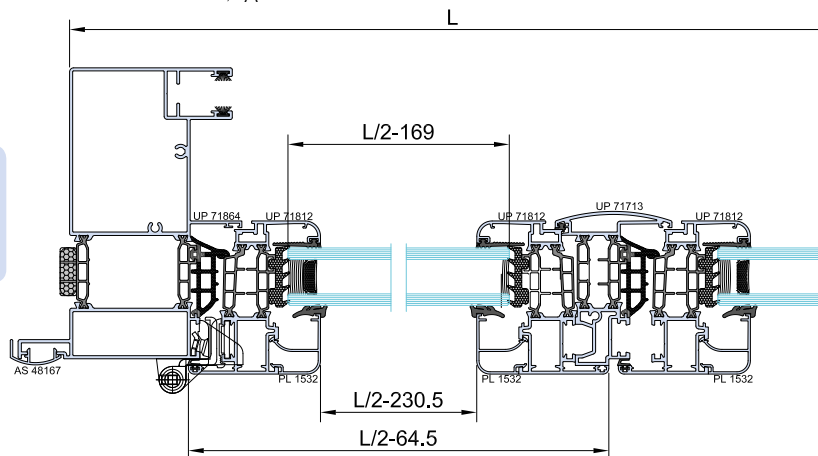
**Monoblocco 2 ante ribalta**  
T/T 2 leaf monoblock windows

**Distinta vetri**  
Glass list

Pezzi	L	H
2	L/2-169	H-148

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm

Sez. B-B



Sez. A-A

Distinta profili

Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71803	Traverso telaio inferiore <i>threshold transom frame</i>	1	L-128	
UP 71865	Traverso telaio superiore <i>head transom frame</i>	1	L-128	
UP 71864	Montante telaio <i>mullion frame</i>	2	H	
UP 71812	Traverso anta <i>transom leaf</i>	4	L/2-64.5	
	Montante anta <i>mullion leaf</i>	4	H-44	
PL 1532	Traverso fermavetro <i>transom glazing bead</i>	4	L/2-230.5	
	Montante fermavetro <i>mullion glazing bead</i>	4	H-182	
UP 71713	Ripporto centrale <i>central cap</i>	1	H-114	
UP 71266	Celino monoblocco <i>monoblock celino</i>	1	L	

Distinta guarnizioni

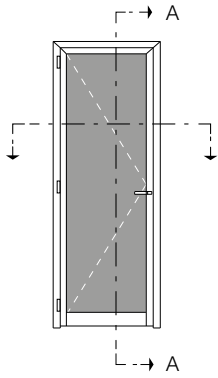
Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta <i>wall seal</i>	4	L/2-64.5
		3	H-44
AGP 40131	Sotto vetro <i>glazing strip</i>	4	L/2-149
		4	H-128
AGP 5037	Isolamento muro <i>wall insulation</i>	1	L
AGP 72172	Pinna giunto aperto <i>central rabbet</i>	2	L-198
		2	H-124
Dipende dal vetro	Vetro esterna <i>external glass gasket</i>	4	L/2-169
		4	H-148
Dipende dal vetro	Vetro interna <i>internal glass gasket</i>	4	L/2-169
		4	H-148
AGP 4006	Battuta ripporto <i>rabbet gasket</i>	1	H-114
AGP 5034/25	Isolamento spalla <i>abutment insulation</i>	1	L
		2	H

Distinta accessori

Accessories

Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione <i>corner cleat</i>	8 pz
ACP 5001	Vite per squadretta <i>corner cleat</i>	16 pz
ACP 5008	Squadretta all. inox <i>screw for corner cleat</i>	8 pz
ACP 50110	Squadretta all. eccentrico <i>inox corner cleat</i>	8 pz
ACP 50153	Squadretta cianfrinare est. <i>alignment corner cleat with tightening eccentrics</i>	8 pz
ACP 50476	Kit anta ribalta <i>tilt &amp; turn set</i>	1 kit
ACP 5030	Spina ø3mm <i>alignment corner cleat</i>	16 pz
ACP 50446/..	Braccio anta ribalta <i>tilt &amp; turn arm</i>	1 pz
ACP 50401	Cremonese Aurora <i>cremonese Aurora</i>	1 pz
ACP 50456	Cerniere <i>hinge</i>	2 kit
ACP 50459	Adattore per cerniere <i>hinge adapter</i>	1 pz
ACP 50452	Kit catenaccioli <i>nylon bolt set</i>	1 pz
AGP 72185	Angolo vulcanizzato <i>vulcanized corner</i>	4 pz
ACP 50421	Kit punto di chiusura <i>locking point kit</i>	1 pz
ACP 50536	Regolo muro obliquo <i>oblique wall spacer</i>	6/8 pz
ACP 72179M	Tappo ripporto <i>plug for central connection profile</i>	1 cp
ACP 5014	Angolo fermavetro <i>glazing bead corner</i>	8 pz



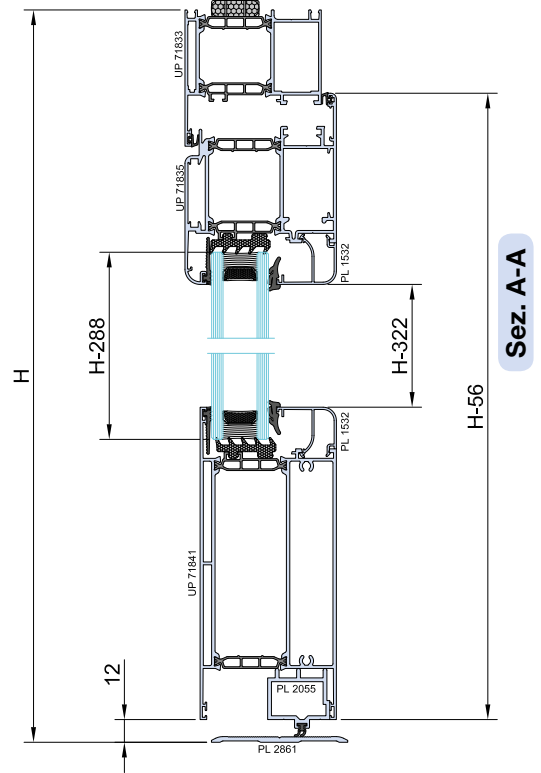
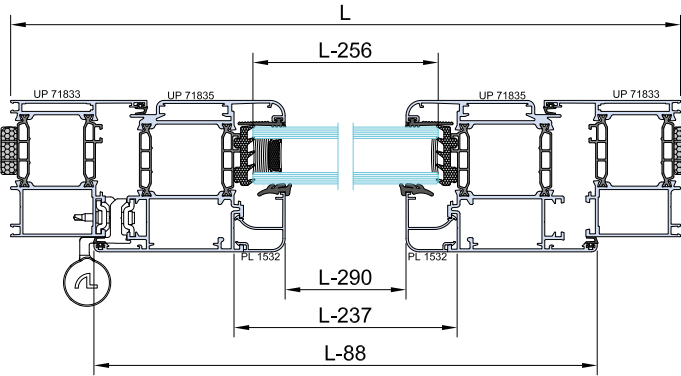
Portocino 1 anta apertura interna  
Open in 1 leaf entrance door

Distinta vetri  
Glass list

Pezzi	L	H
1	L-256	H-288

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm

Sez. B-B



Sez. A-A

Distinta profili

Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71833	Traverso telaio L <i>L transom frame</i>	1	L	
	Montante telaio L <i>L mullion frame</i>	2	H	
UP 71835	Traverso anta <i>transom leaf</i>	1	L-88	
	Montante anta <i>mullion leaf</i>	2	H-56	
PL 1532	Traverso fermavetro <i>transom glazing bead</i>	2	L-290	
	Montante fermavetro <i>mullion glazing bead</i>	2	H-322	
UP 71841	Zoccolo <i>fixed base</i>	1	L-237	
PL 2055	Porta spazzolino <i>brush holder</i>	1	L-237	
PL 2058	Soglia calpestabile <i>treadable threshold</i>	1	L-100	

Distinta guarnizioni

Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000		1	L-134
		1	L-88
		2	H-62
		2	H-44
AGP 40131		2	L-236
		2	H-268
AGP 5034/25		1	L
		2	H
Dipende dal vetro		2	L-256
		2	H-288
Dipende dal vetro		2	L-256
		2	H-288
AGP 7202		1	L-100

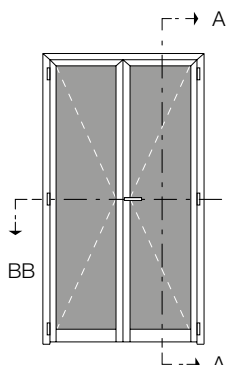
Distinta accessori

Accessories

Art.	Descrizione	Q.tà
ACP 9918N	Cerniera Strong EVO <i>Strong EVO hinge</i>	3 pz
ACP 5802	Squadretta multifunzione <i>multi-purpose corner cleat</i>	4 pz
ACP 5008	Squadretta all. inox <i>inox corner cleat</i>	2 pz
ACP 50154	Squadretta cianfrinare. est. <i>alignment corner cleat with tightening eccentrics</i>	4 pz
ACP 5030	Spina ø3mm <i>Ø3mm pin</i>	8 pz
ACP 50239	Doppia maniglia <i>double handle</i>	1 pz
ACP 50110	Squadretta allineamento <i>alignment corner cleat</i>	2 pz
ACP 50539	Regolo muro obliquo <i>oblique wall spacer</i>	6/8 pz
ACP 5014	Angolo fermavetro <i>glazing bead corner</i>	4 pz
ACP 5001	Vite per squadretta <i>screw for corner cleat</i>	8 pz
ACP 7272	Tappo sottoporta per UP71835 <i>underdoor plug for UP71835</i>	1 cp

DISTINTE DI TAGLIO  
Cutting lists



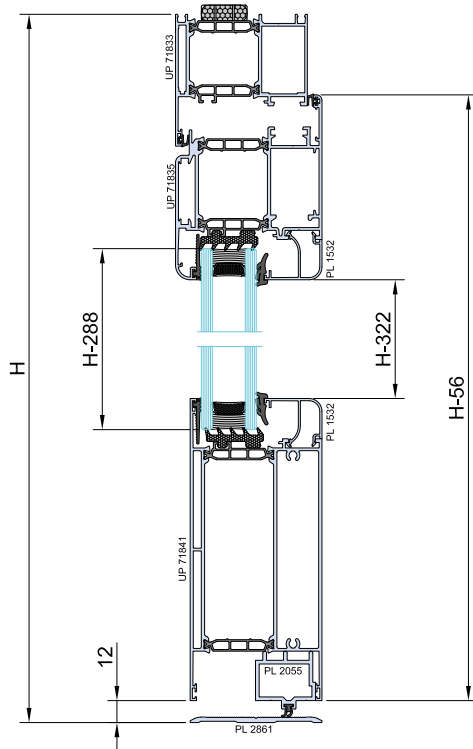
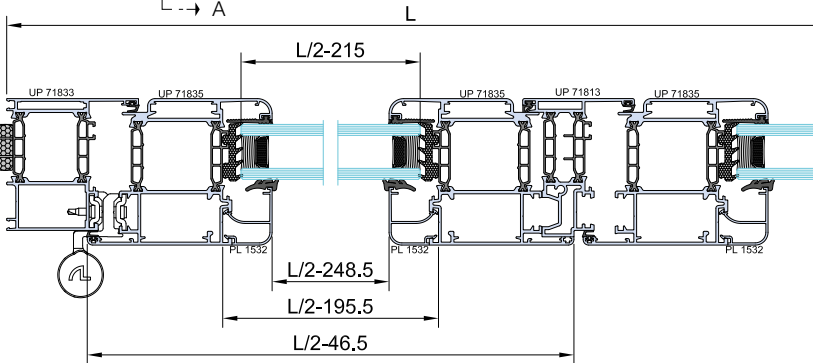


Portoncino 2 ante apertura interna  
Open in 2 leaf entrance door

Distinta vetri  
Glass list

Pezzi	L	H
2	L/2-215	H-288

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm



Sez. B-B

Sez. A-A

Distinta profili  
Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71833	Traverso telaio <i>transom frame</i>	1	L	
	Montante telaio <i>mullion frame</i>	2	H	
UP 71835	Traverso anta <i>transom leaf</i>	2	L/2-46.5	
	Montante anta <i>mullion leaf</i>	4	H-56	
PL 1532	Traverso fermavetro <i>transom glazing bead</i>	4	L/2-248.5	
	Montante fermavetro <i>mullion glazing bead</i>	4	H-322	
UP 71813	Ripporto centrale <i>central cap</i>	1	H-91	
UP 71841	Zoccolo <i>fixed base</i>	2	L/2-195.5	
PL 2055	Porta spazzolino <i>brush holder</i>	2	L/2-195.5	
PL 2861	Soglia calpestabile <i>treadable threshold</i>	1	L-100	

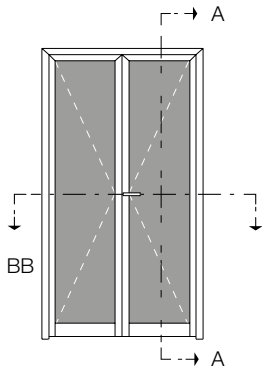
Distinta accessori  
Accessories

Art.	Descrizione	Q.tà
ACP 9918N	Cerniera Strong EVO <i>Strong evo hinge</i>	6 pz
ACP 5802	Squadretta multifunzione <i>multi-purpose corner cleat</i>	6 pz
ACP 5008	Squadretta all. inox <i>inox corner cleat</i>	4 pz
ACP 50154	Squadretta cianfrinare. est. <i>alignment corner cleat with tightening eccentrics</i>	6 pz
ACP 5030	Spina ø3mm <i>Ø3mm pin</i>	12 pz
ACP 50239	Doppia maniglia <i>double handle</i>	1 cp
ACP 50110	Squadretta allineamento <i>alignment corner cleat</i>	4 pz
ACP 50536	Regolo muro obliquo <i>oblique wall spacer</i>	6/8pz
ACP 5014	Angolo fermavetro <i>glazing bead corner</i>	8 pz
ACP 5001	Vite per squadretta <i>screw for corner cleat</i>	12pz
ACP 7272	Tappo sottoporta per UP71835 <i>underdoor plug for UP71835</i>	2 cp
ACP 50422	Kit catenaccioli <i>nylon bolt set</i>	1 cp
ACP 50582	Incontro asta <i>single rod keeper</i>	1 pz
ACP 72178M	Tappo riporto vers. doppia battuta <i>double rebate plug</i>	1 cp
ACP 7274	Tappo sottoporta per UP71813 <i>underdoor plug for UP71813</i>	1 cp

Distinte di taglio  
Cutting lists

Distinta guarnizioni  
Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000		Battuta	2
		wall seal	1
			6
AGP 40131		Sotto vetro	4
		glazing strip	4
AGP 5034/25		Isolamento spalla	1
		abutment insulation	2
Dipende dal vetro		Vetro esterna	4
		external glass gasket	4
Dipende dal vetro		Vetro interna	4
		internal glass gasket	4
AGP 4005		Battuta riporto	1
		rabbet gasket	H-91
AGP 7202		Guarnizione sottoporta	1
		underdoor gasket	L-100



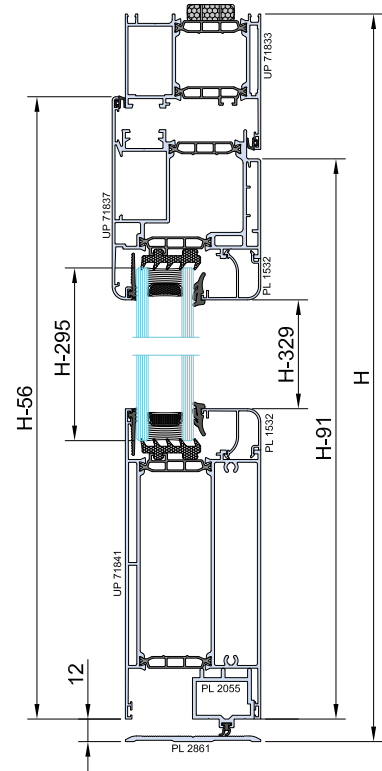
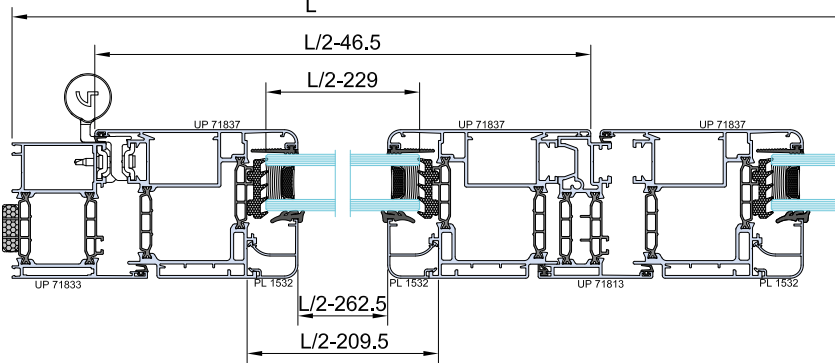
Portoncino 2 ante apertura esterna  
Open out 2 leaf entrance door

Distinta vetri  
Glass list

Pezzi	L	H
2	L/2-229	H-295

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm

Sez. B-B



Sez. A-A

Distinta profili  
Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71833	Traverso telaio transom frame	1	L	
	Montante telaio mullion frame	2	H	
UP 71837	Traverso anta transom leaf	2	L/2-46.5	
	Montante anta mullion leaf	4	H-56	
PL 1532	Traverso fermavetro transom glazing bead	4	L/2-262.5	
	Montante fermavetro mullion glazing bead	4	H-329	
UP 78713	Riporto centrale central cap	1	H-91	
UP 71841	Zoccolo tied base	2	L/2-209.5	
PL 2055	Porta spazzolino brush holder	2	L/2-209.5	
PL 2861	Soglia calpestabile treadable threshold	1	L-100	

Distinta accessori  
Accessories

Art.	Descrizione	Q.tà
ACP 9918N	Cerniera Strong EVO Strong evo hinge	6 pz
ACP 5802	Squadretta multifunzione multi-purpose corner cleat	6 pz
ACP 5008	Squadretta all. inox inox corner cleat	4 pz
ACP 50154	Squadretta cianfrinare. est. alignment corner cleat with tightening eccentrics	6 pz
ACP 5030	Spina ø3mm Ø3 mm pin	12 pz
ACP 50239	Doppia maniglia double handle	1 cp
ACP 50110	Squadretta allineamento alignment corner cleat	4 pz
ACP 50539	Regolo muro obliquo oblique wall spacer	6/8 pz
ACP 5014	Angolo fermavetro glazing bead corner	8 pz
ACP 5001	Vite per squadretta screw for corner cleat	12 pz
ACP 7273	Tappo sottoporta per UP71837 underdoor plug for UP71837	2 cp
ACP 50422	Kit catenaccioli nylon bolt set	1 cp
ACP 50582	Incontro asta single rod keeper	1 pz
ACP 72178M	Tappo riporto vers. doppia battuta double rebate plug	1 cp
ACP 7274	Tappo sottoporta per UP71813 underdoor plug for UP71813	1 cp

Distinta guarnizioni  
Gaskets list

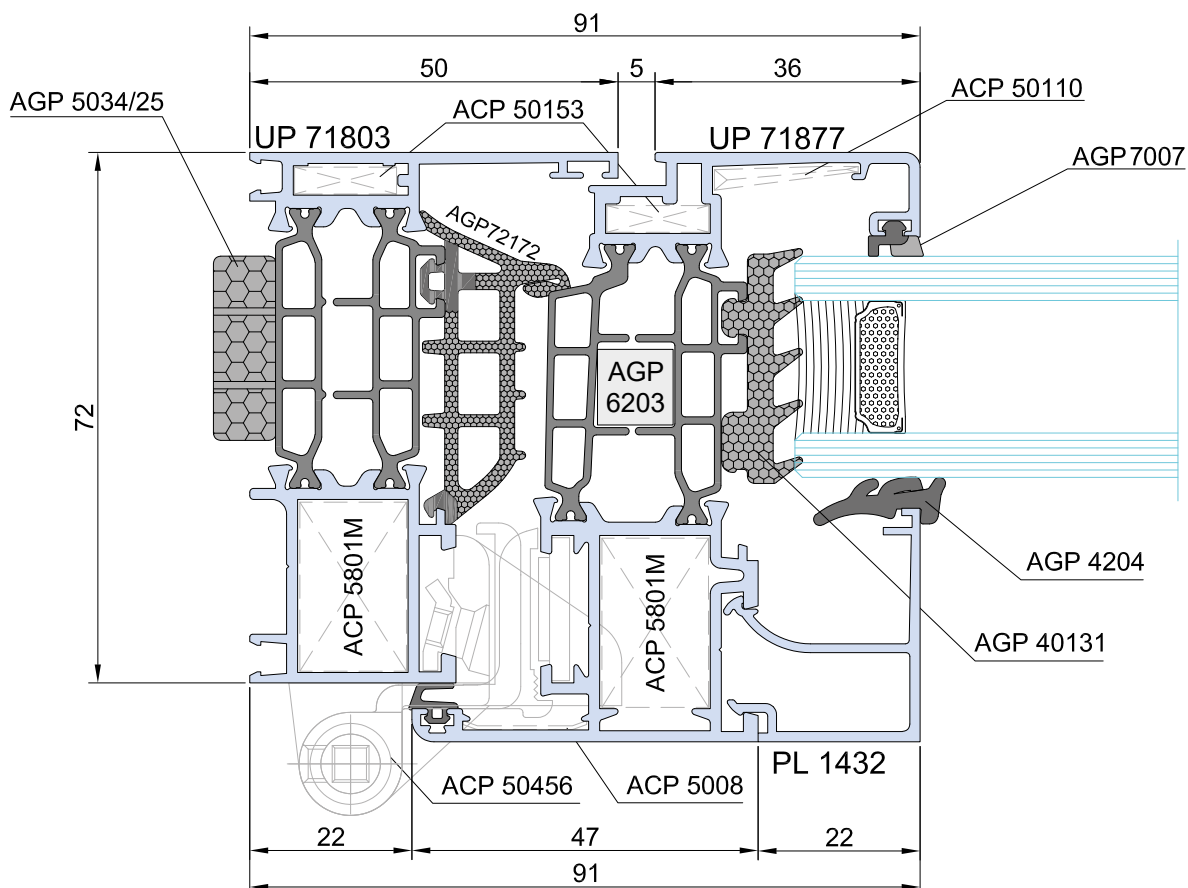
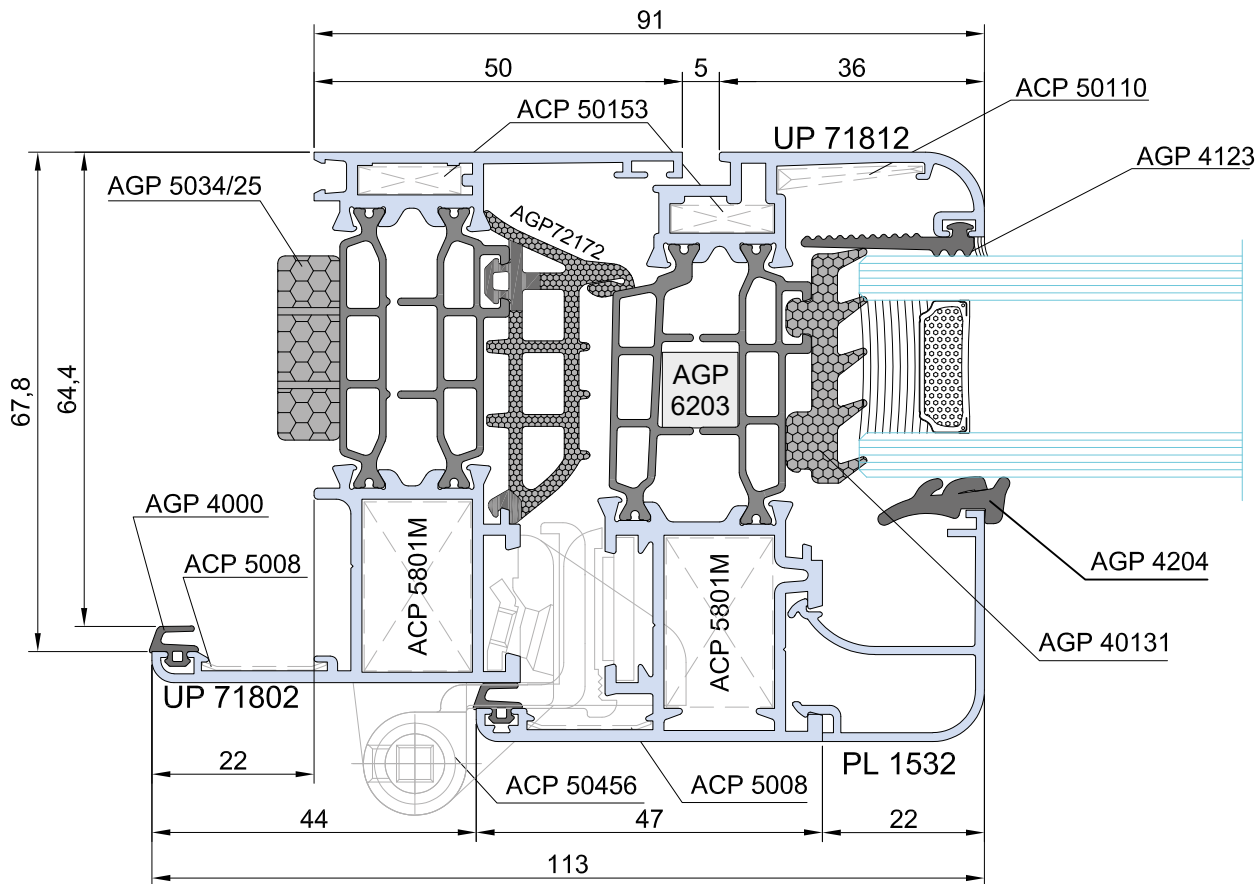
Art.	Descrizione	Pezzi	Misura	
AGP 4000		Battuta wall seal	2 L/2-46.5 1 L/2-124 6 H-44	
		AGP 40131	Sotto vetro glazing strip	4 L/2-208.5 4 H-261
		AGP 5034/25	Isolamento spalla abutment insulation	1 L 2 H
Dipende dal vetro		Vetro esterna external glass gasket	4 L/2-229 4 H-295	
Dipende dal vetro		Vetro interna internal glass gasket	4 L/2-229 4 H-295	
AGP 4005		Battuta riporto rabbet gasket	1 H-91	
AGP 7202		Guarnizione sottoporta underdoor gasket	1 L-100	

DISTINTE DI TAGLIO  
Cutting lists

# Nodo 01

Apertura interna - finestra a battente - nodo laterale

Inward opening - casement window - lateral section

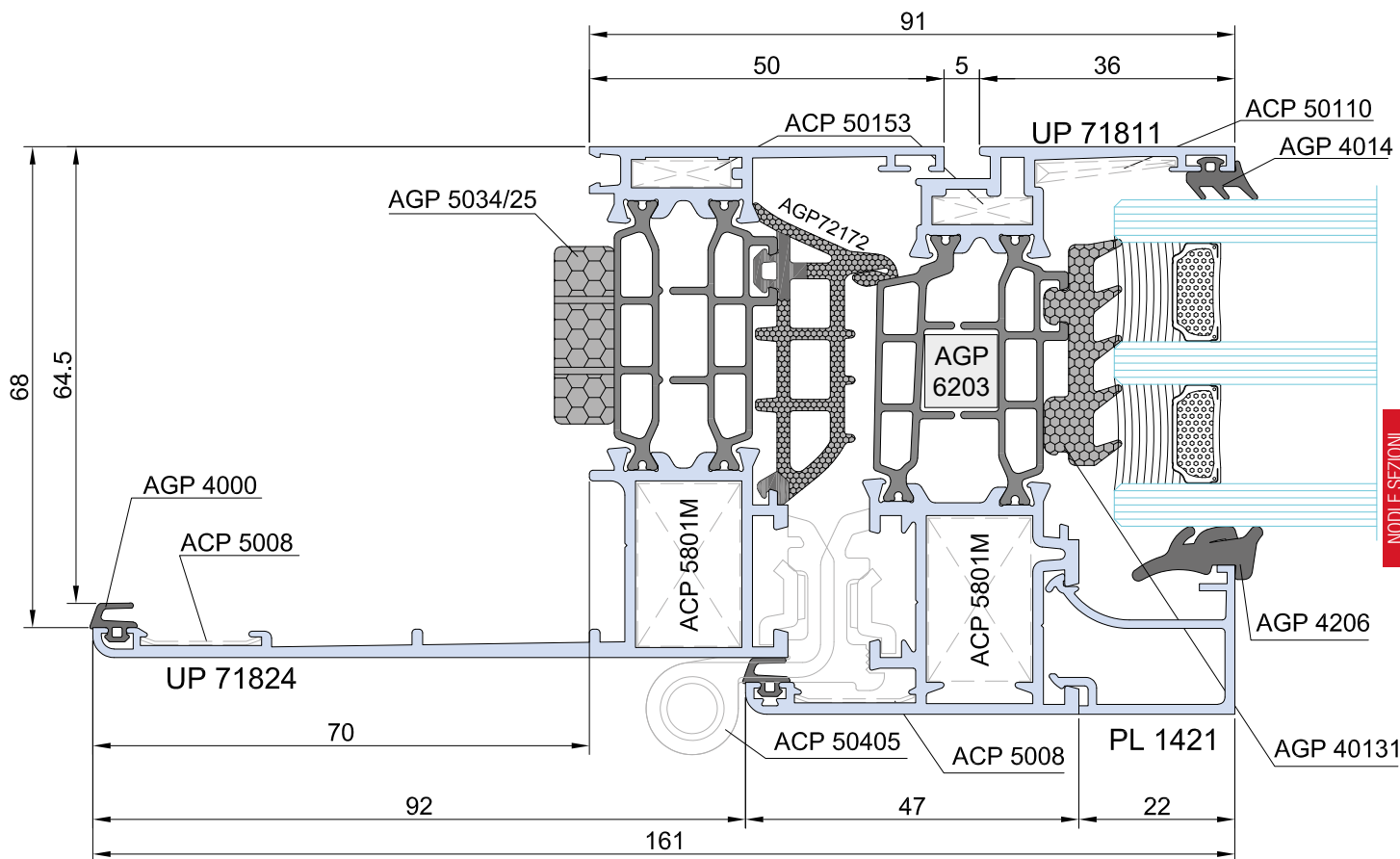
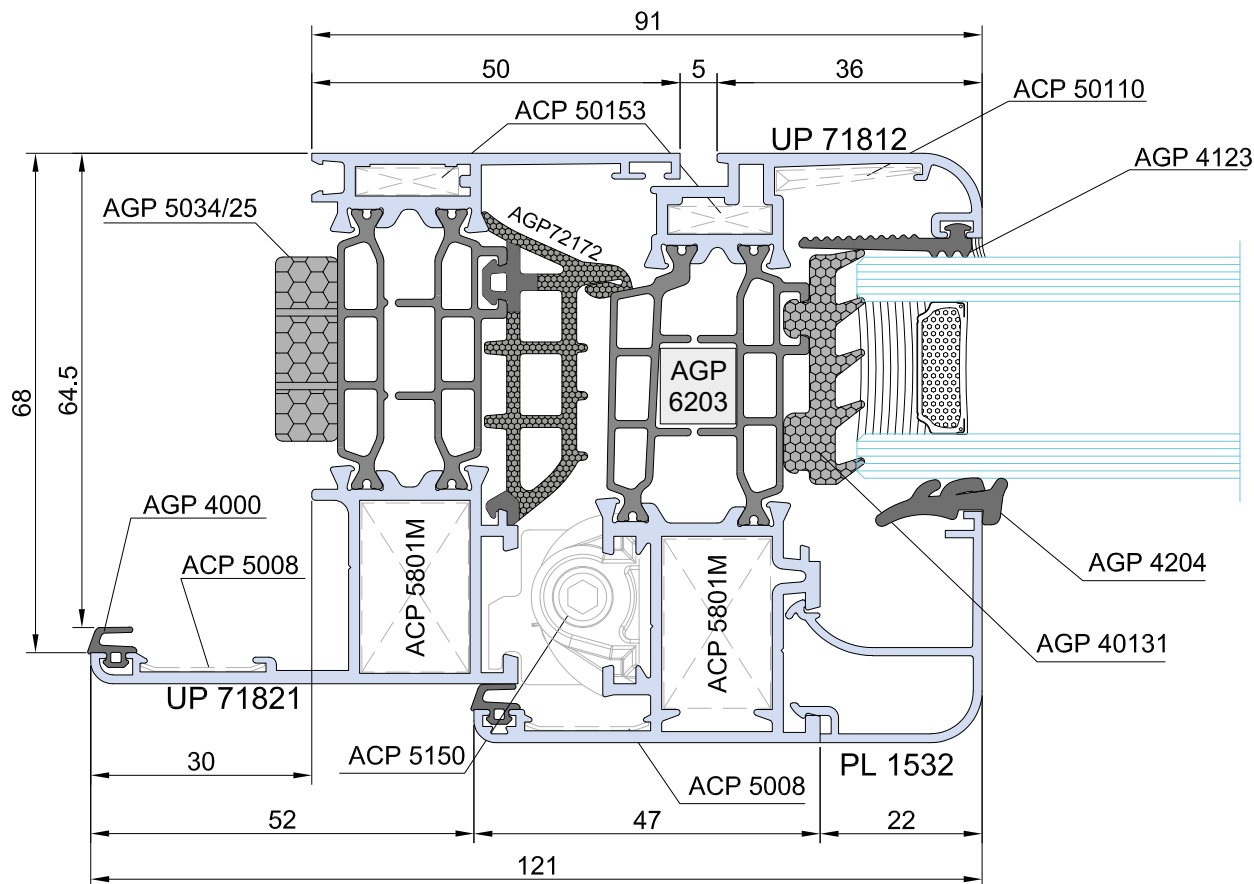




## Nodo 02

Apertura interna - finestra a battente - nodo laterale

Inward opening - casement window - lateral section

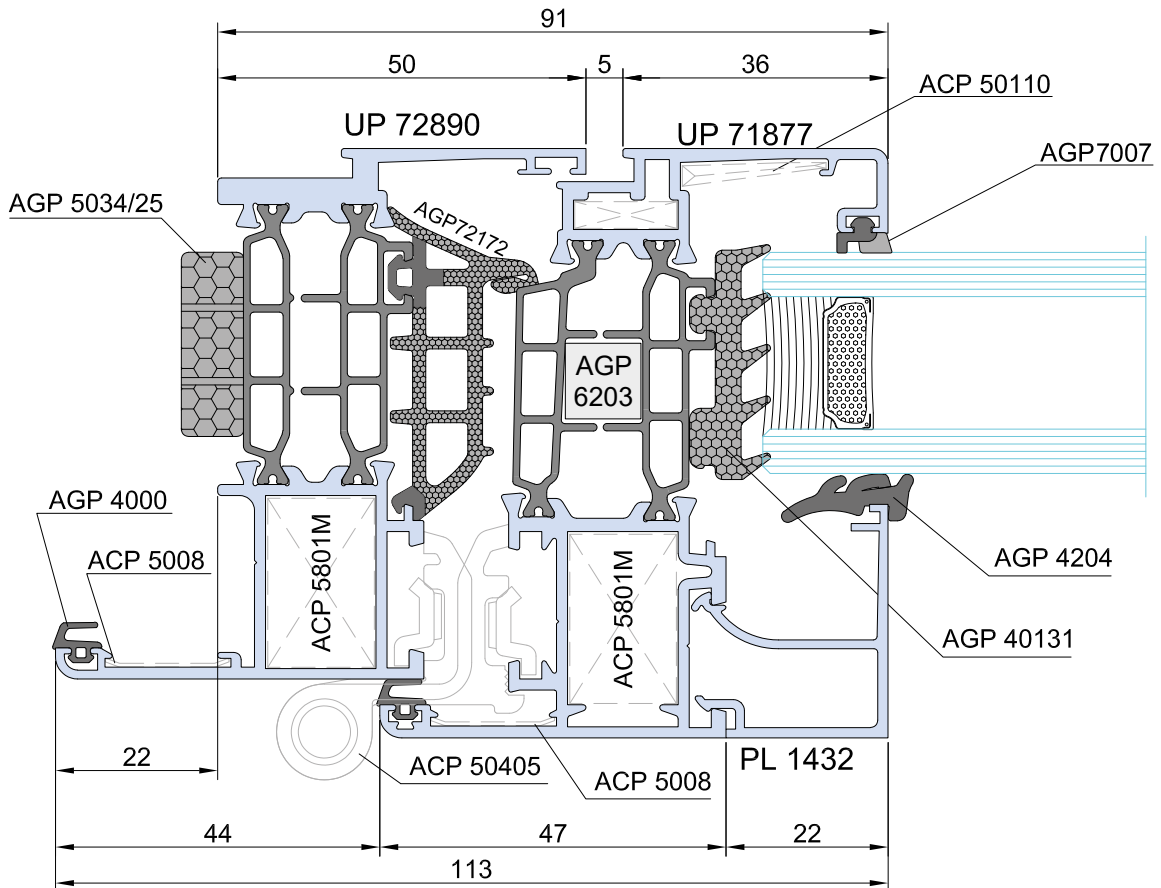
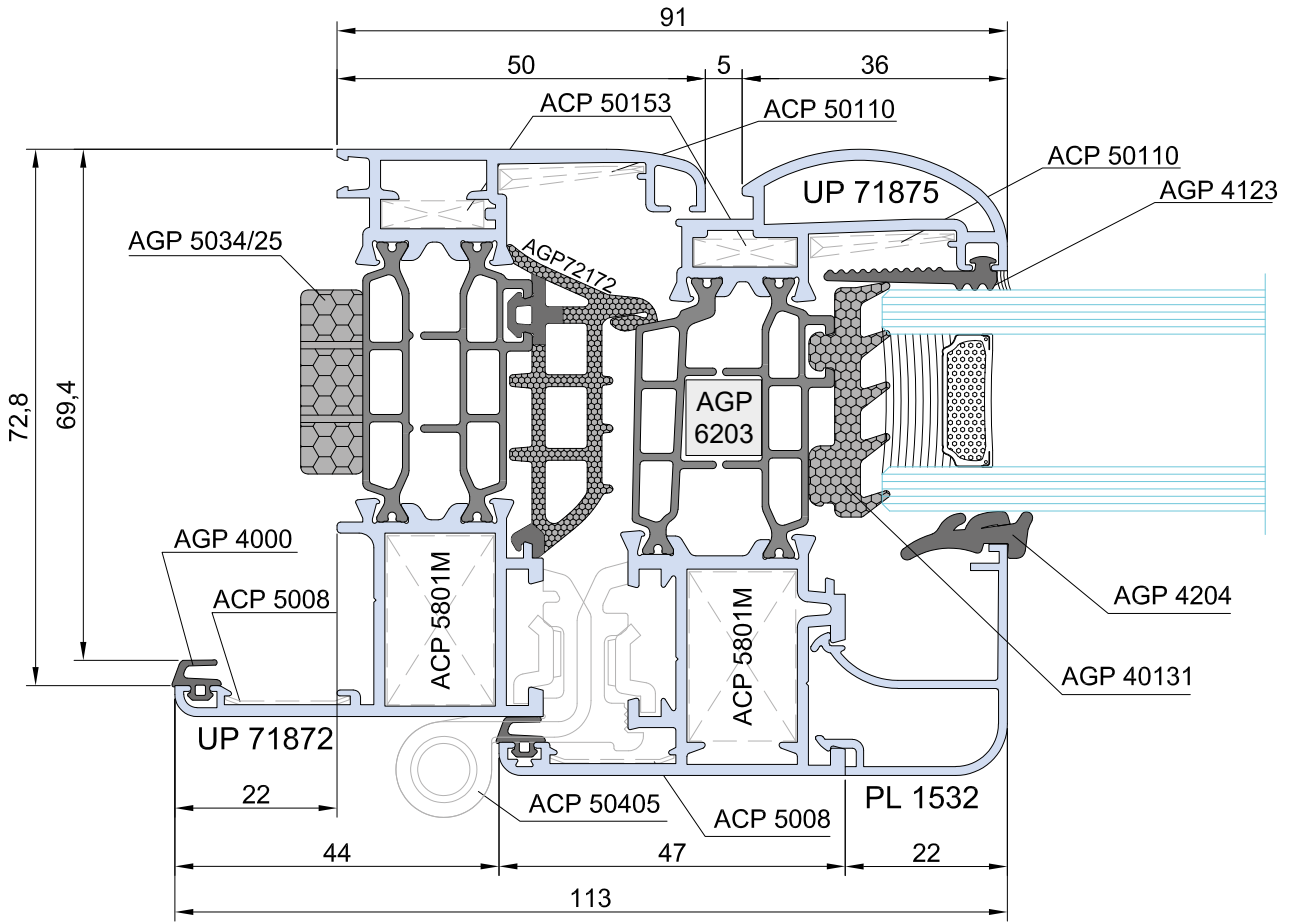


NODI E SEZIONI  
Sections

# Nodo 03

Apertura interna - finestra a battente - nodo laterale

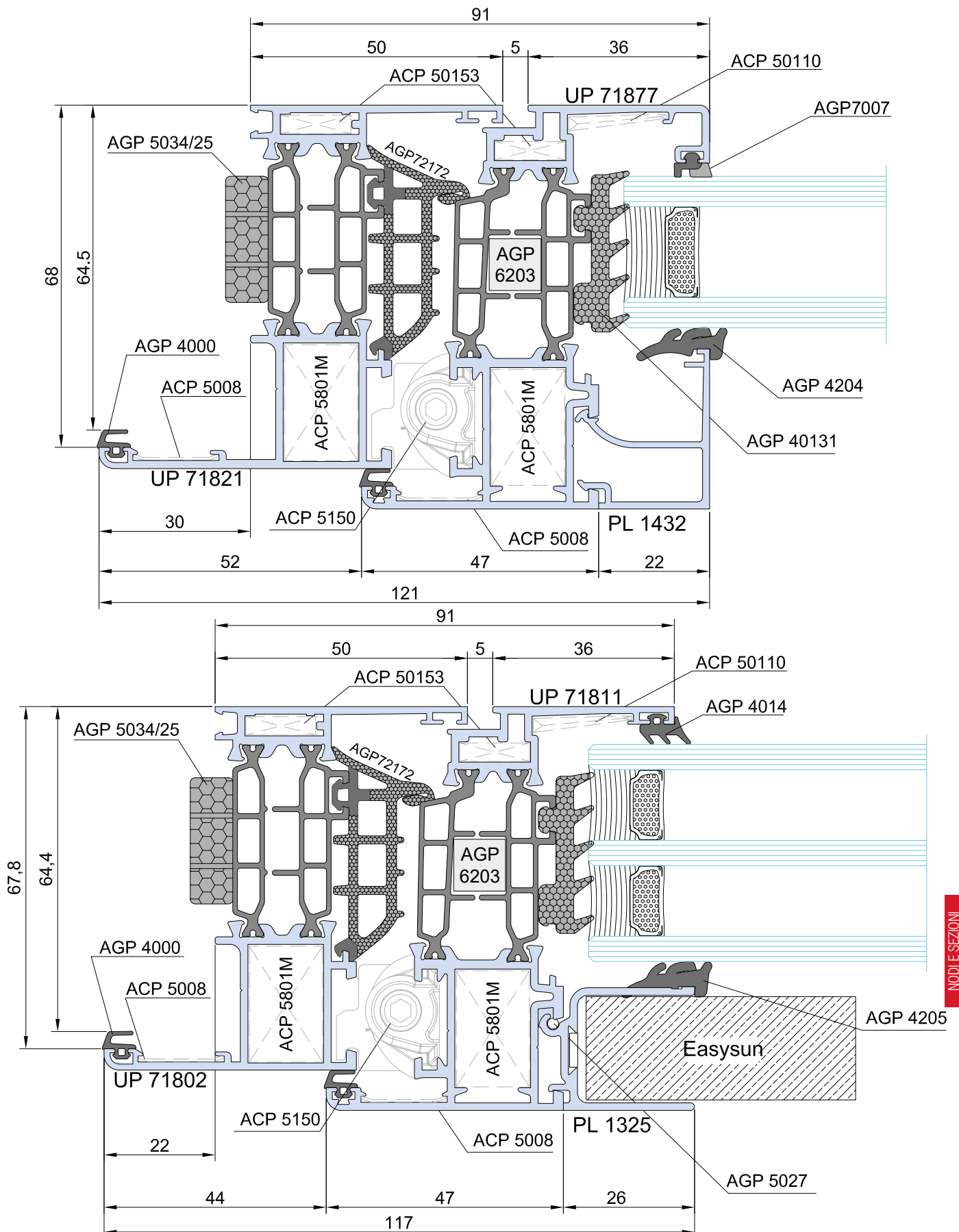
Inward opening - casement window - lateral section



## Nodo 04

Apertura interna - finestra a battente - nodo laterale

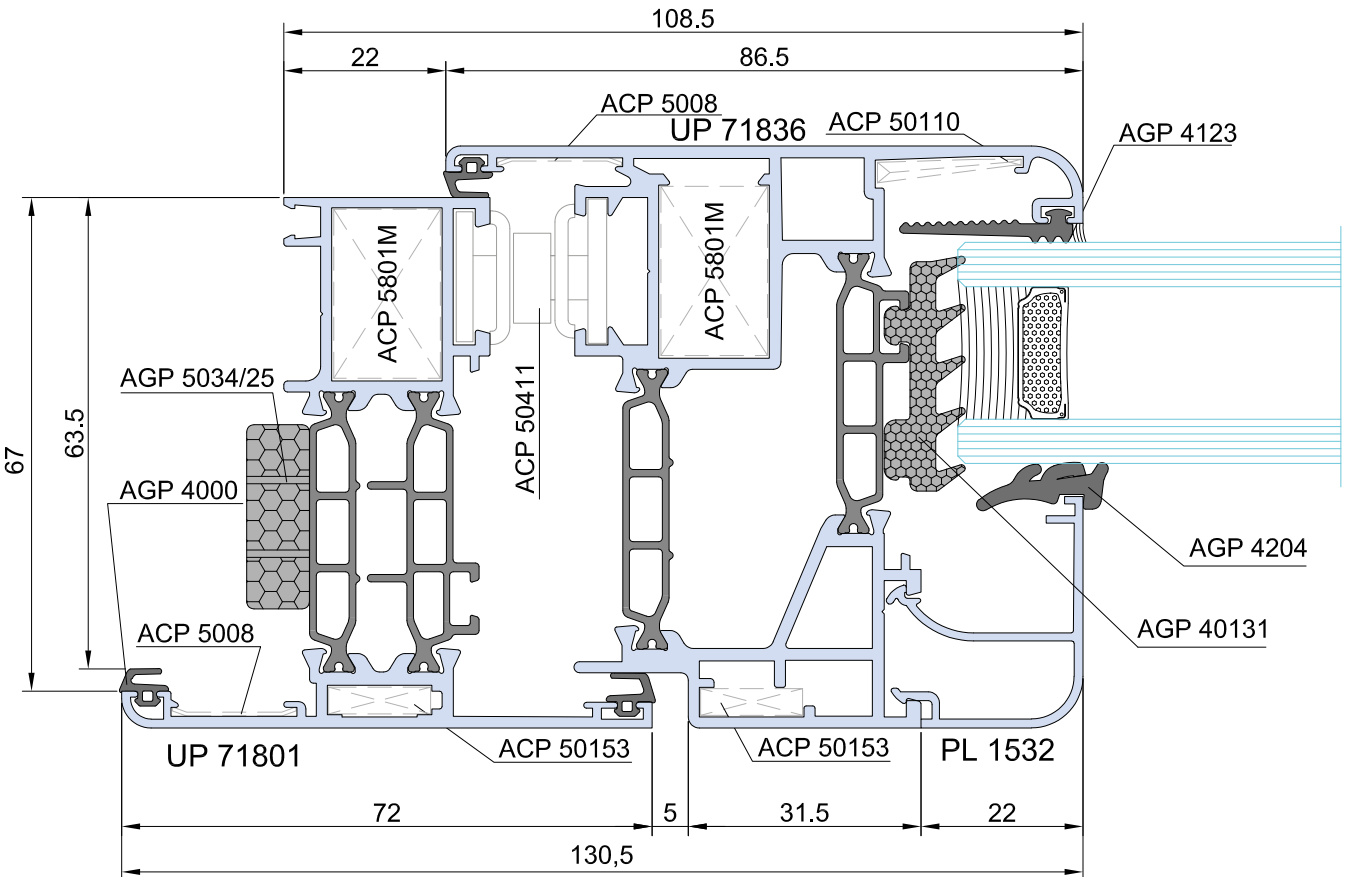
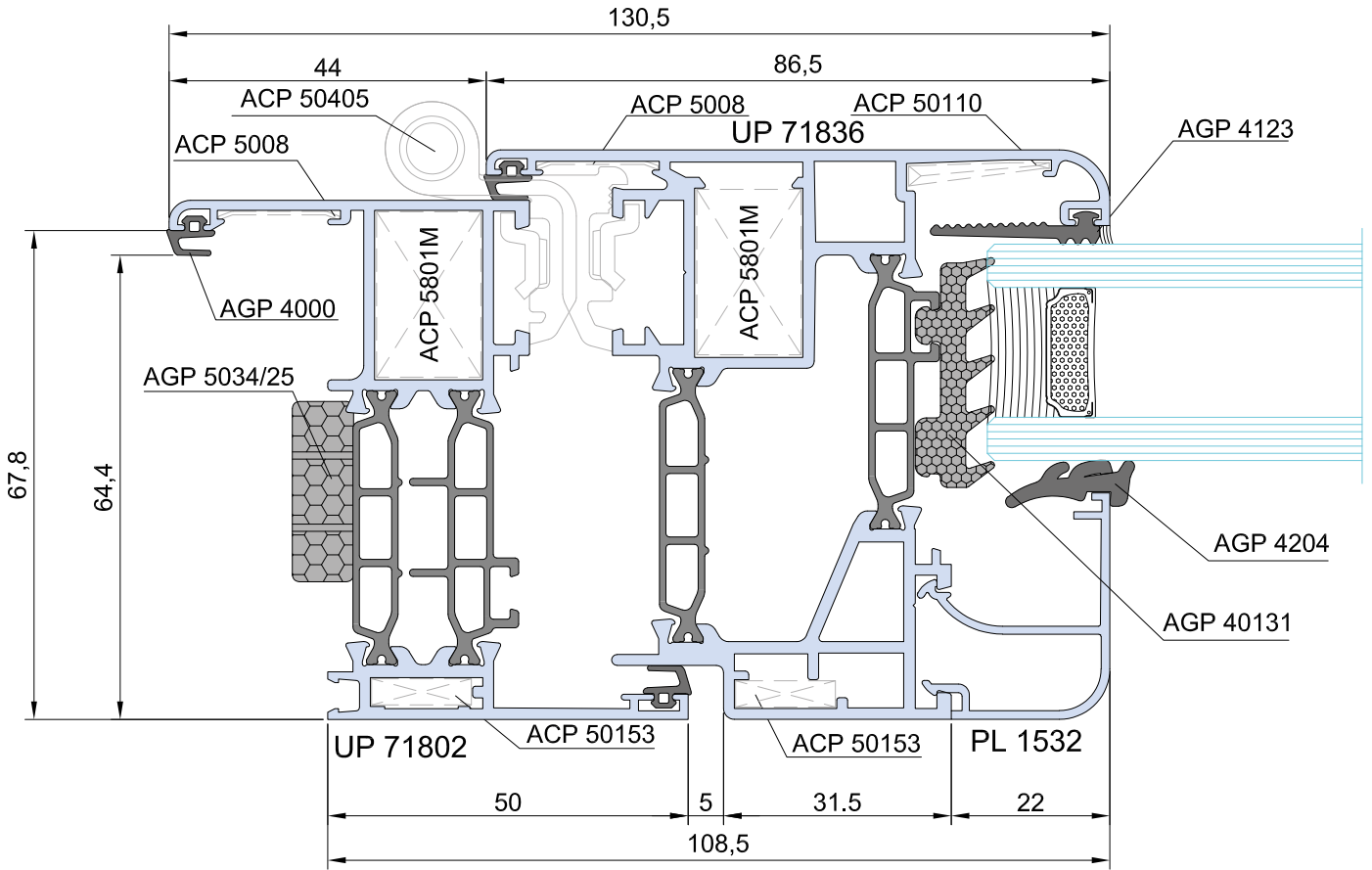
Inward opening - casement window - lateral section



# Nodo 05

Apertura esterna - finestra a battente - nodo laterale

Outward opening - casement window - lateral section

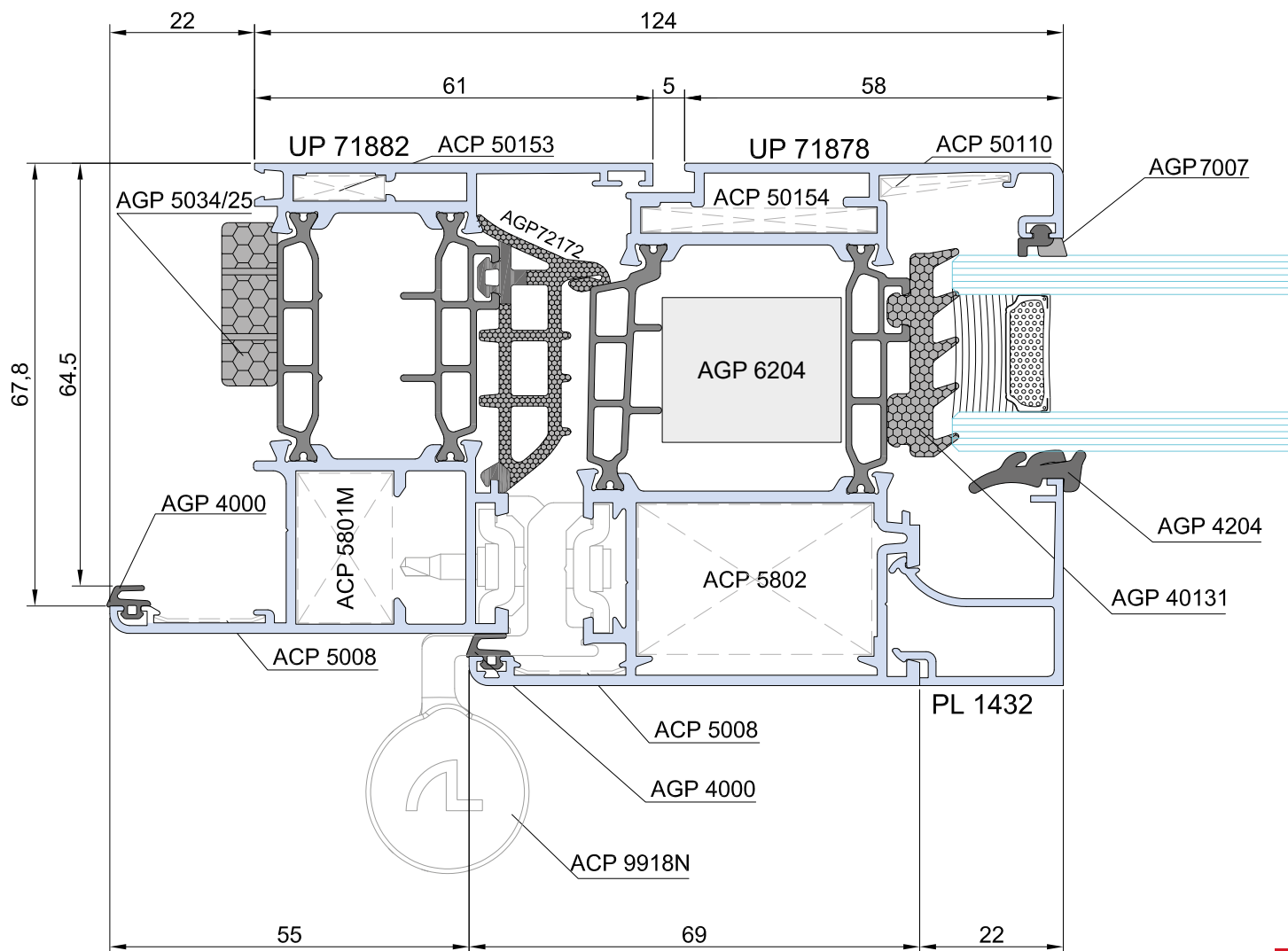


NODI E SEZIONI  
Sections

## Nodo 06

Apertura interna - finestra a battente - nodo laterale

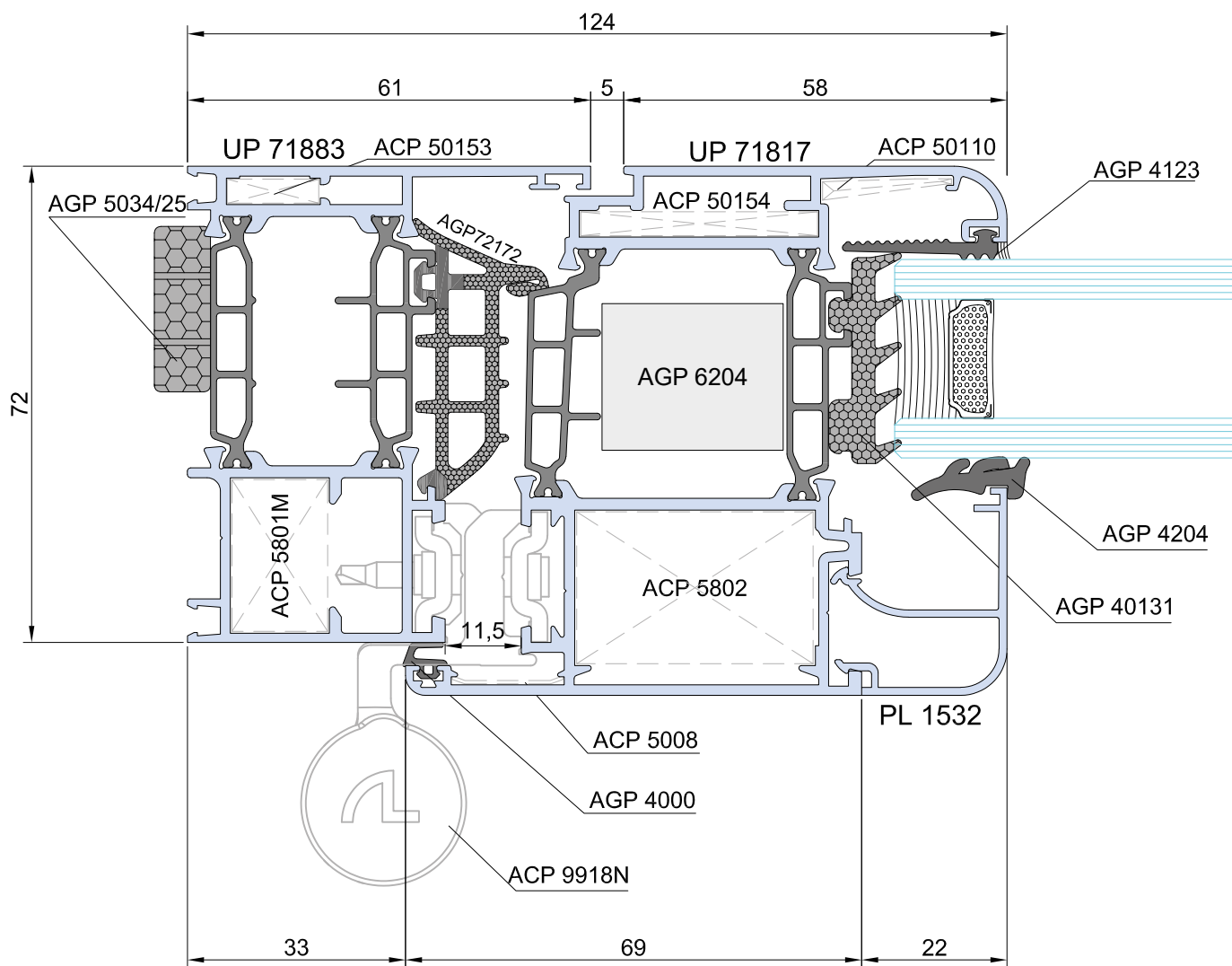
*Inward opening - casement window - lateral section*



# Nodo 07

Apertura interna - finestra a battente - nodo laterale

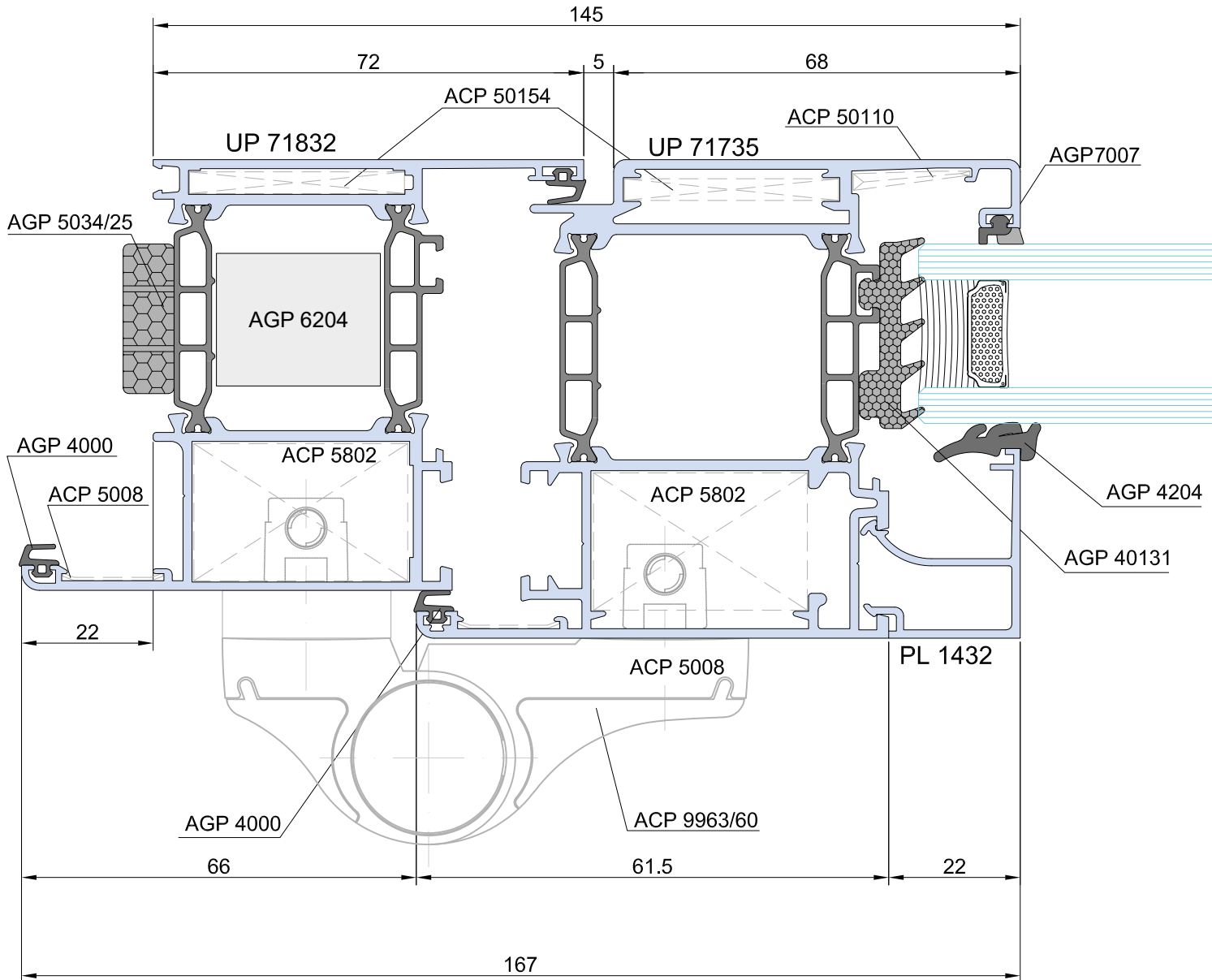
Inward opening - casement window - lateral section



## Nodo 08

Apertura interna - porta a battente - nodo laterale

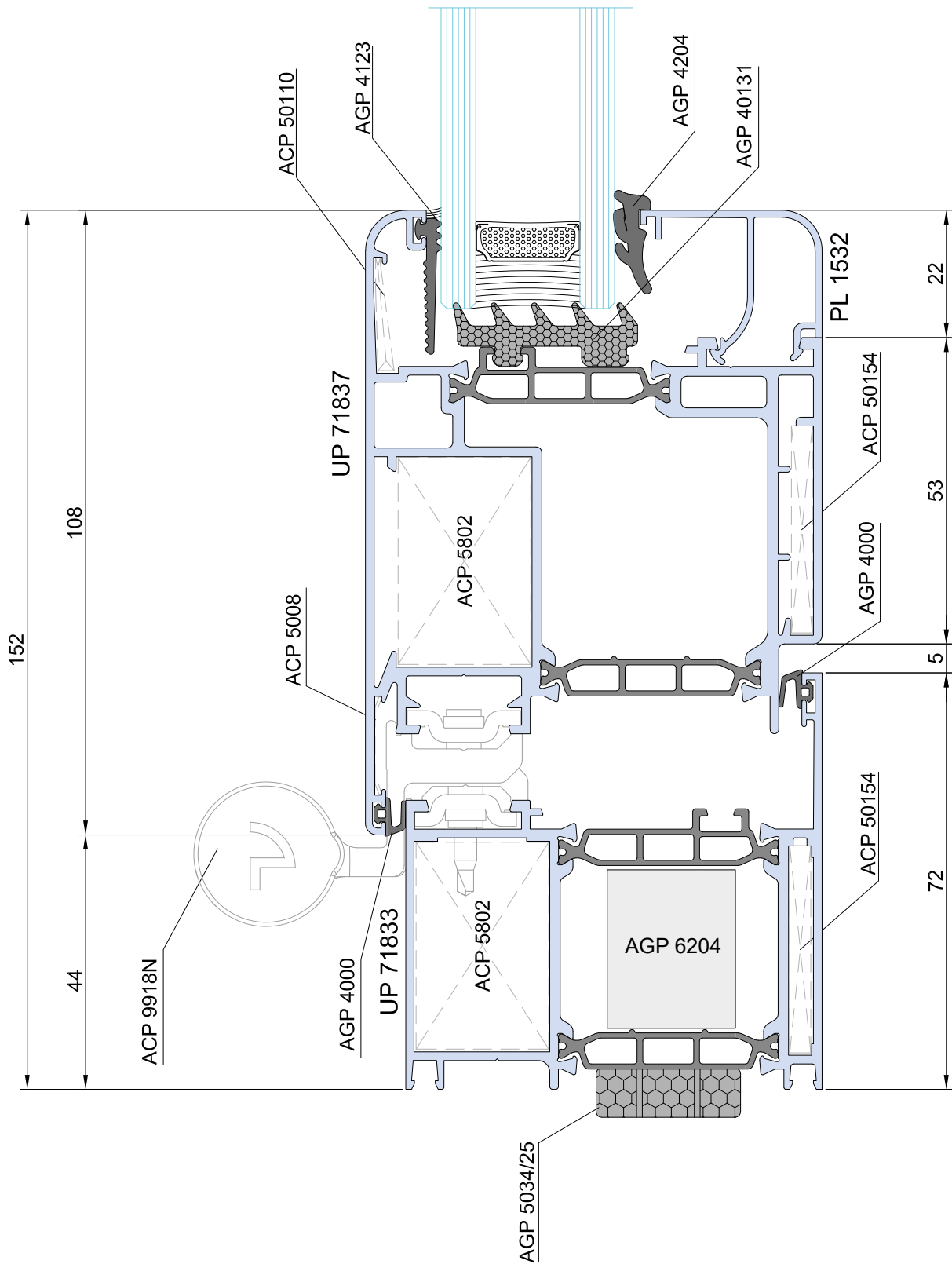
Inward opening - casement door - lateral section



# Nodo 09

Apertura esterna - porta a battente - nodo laterale

Outward opening - casement door - lateral section

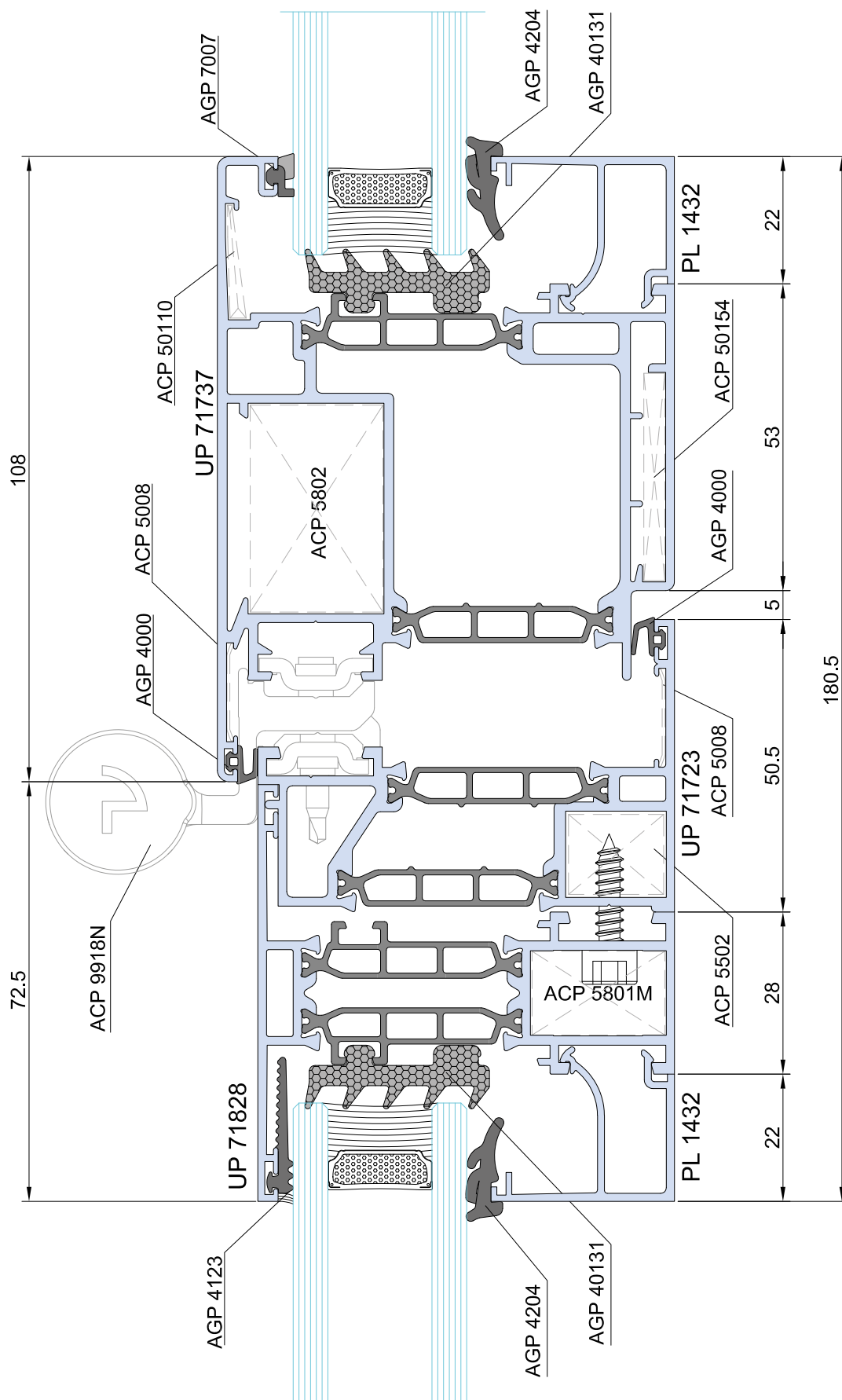




## Nodo 10

Apertura esterna - porta a battente con vetrina - nodo laterale

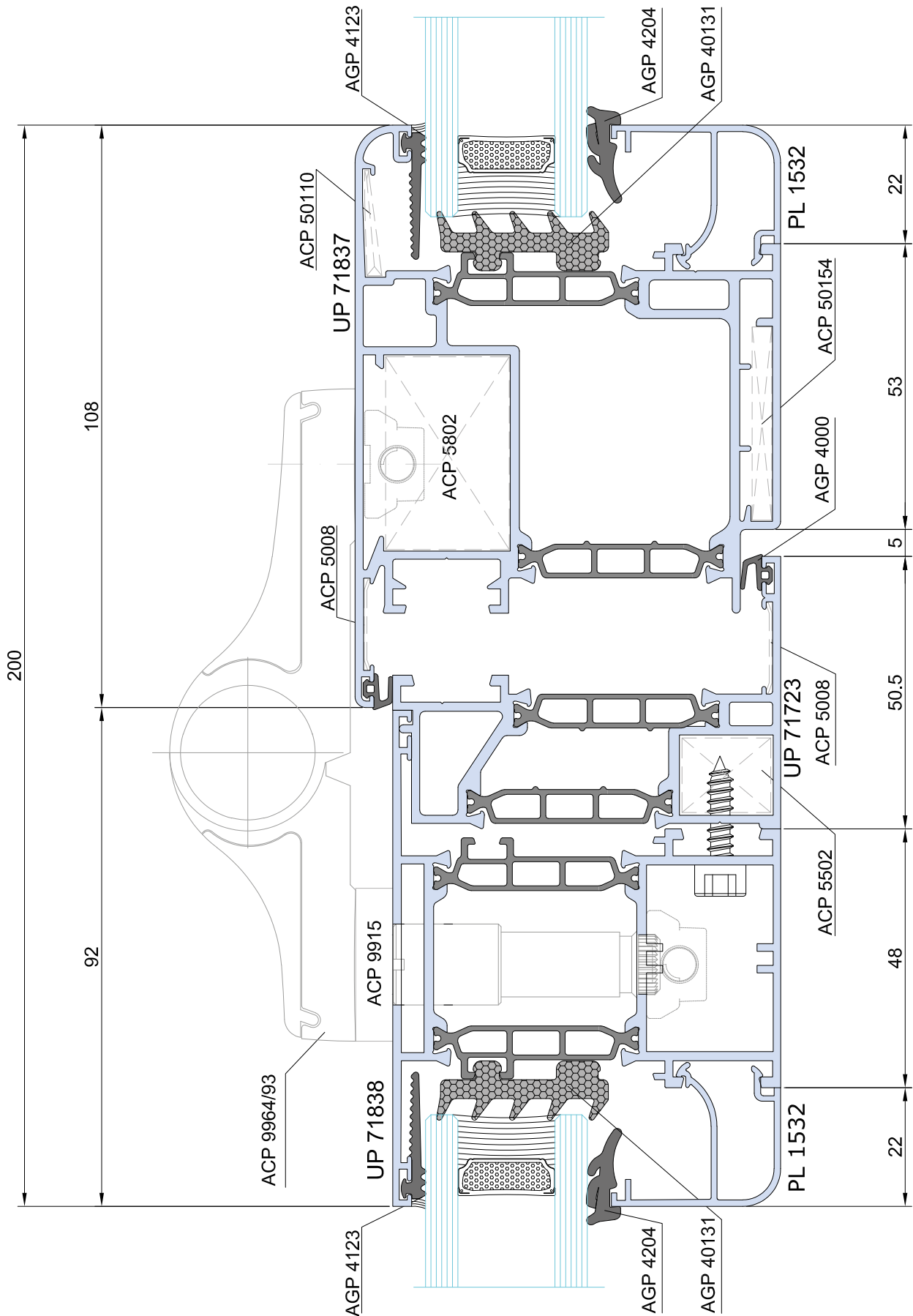
Outward opening - casement door - lateral section



# Nodo 11

Apertura esterna - porta a battente con vetrina - nodo di giunzione

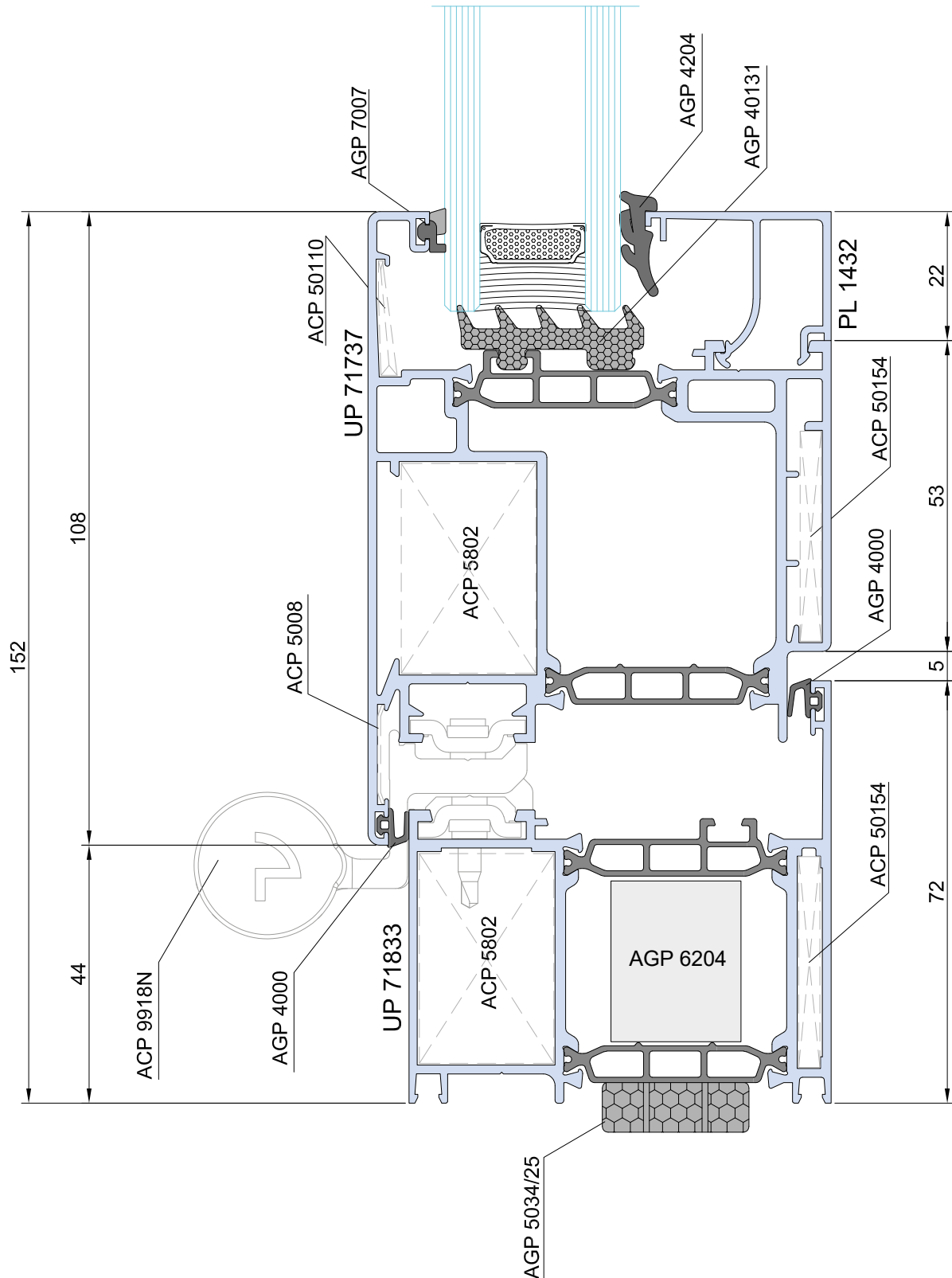
Outward opening - casement door - joint section



## Nodo 12

Apertura esterna - porta a battente con vetrina - nodo laterale

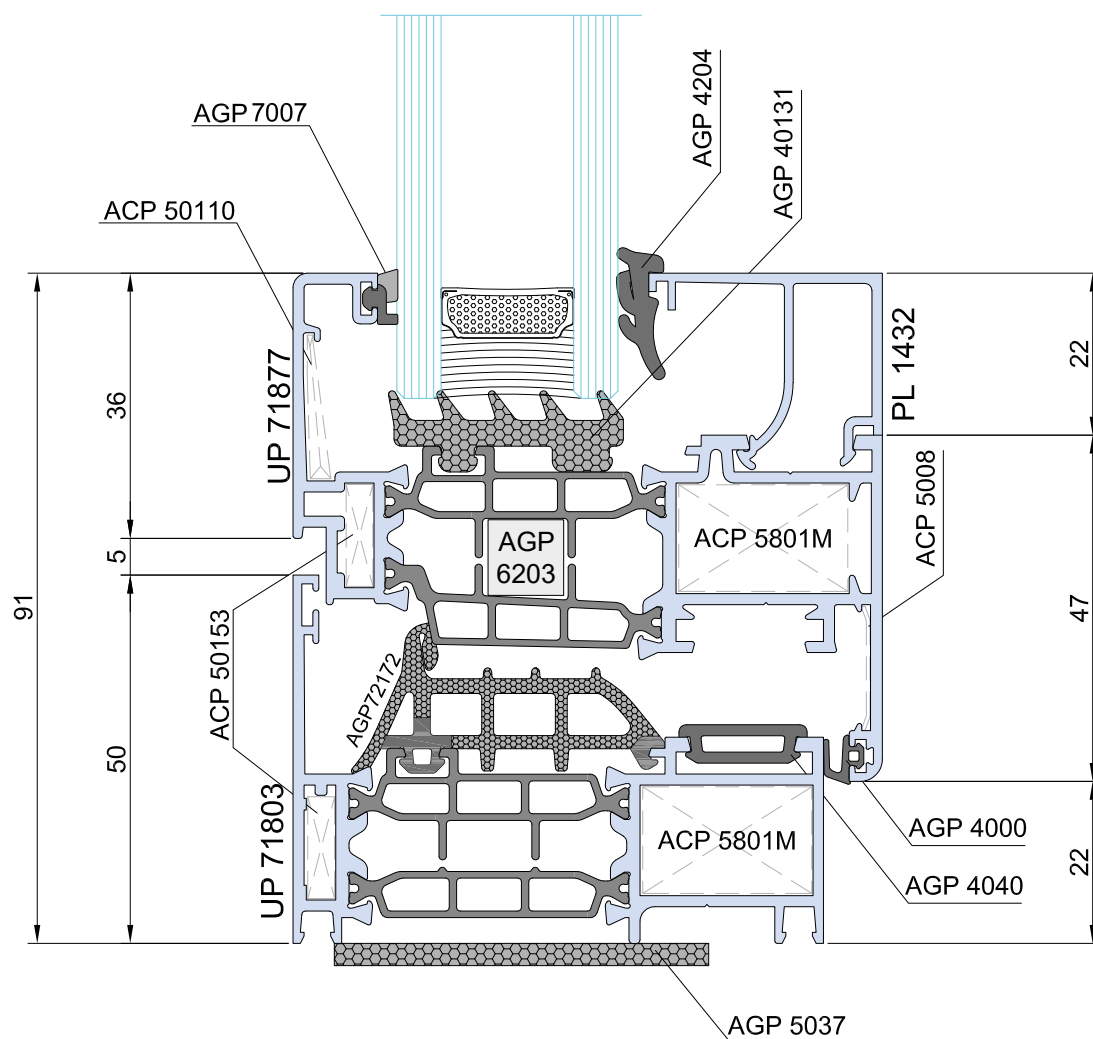
Outward opening - casement door - lateral section



## Nodo 13

Apertura interna - finestra a battente - nodo a davanzale

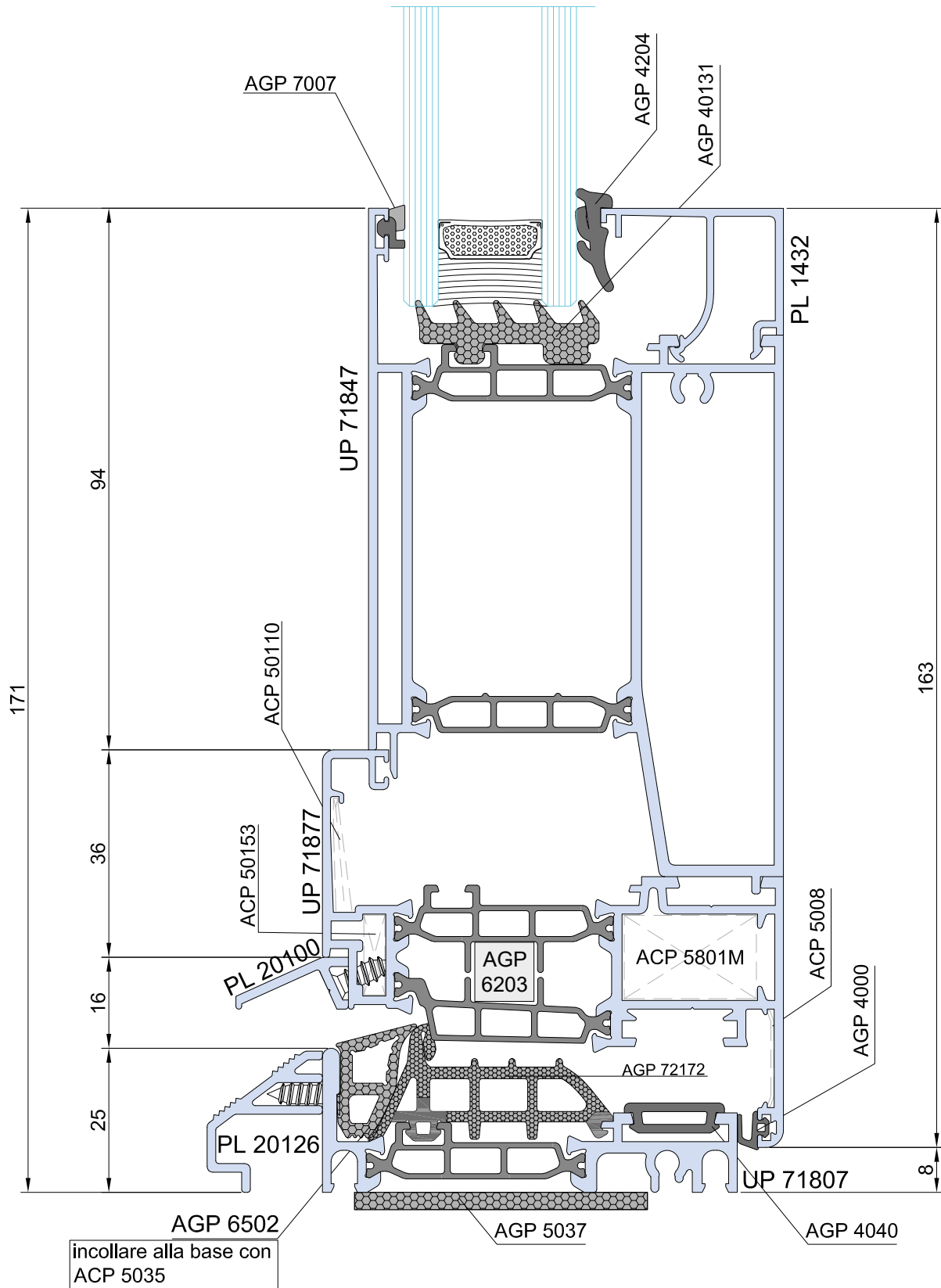
*Inward opening - casement window - sill section*



## Nodo 14

Apertura interna - porta finestra a battente - nodo soglia ribassata

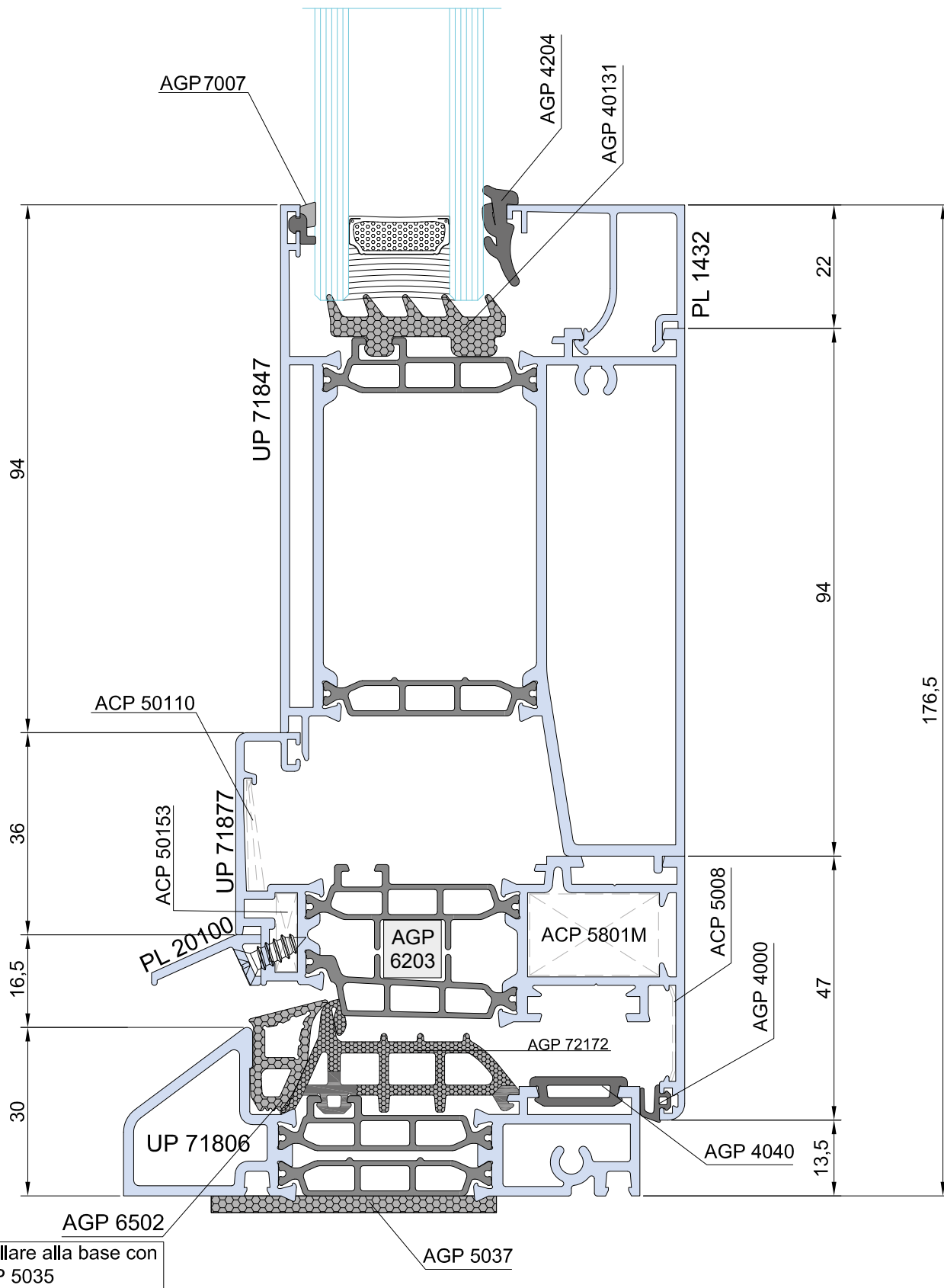
Inward opening - casement window door - threshold section



# Nodo 15

Apertura interna - porta finestra a battente - nodo soglia ribassata

Inward opening - glass door - threshold section

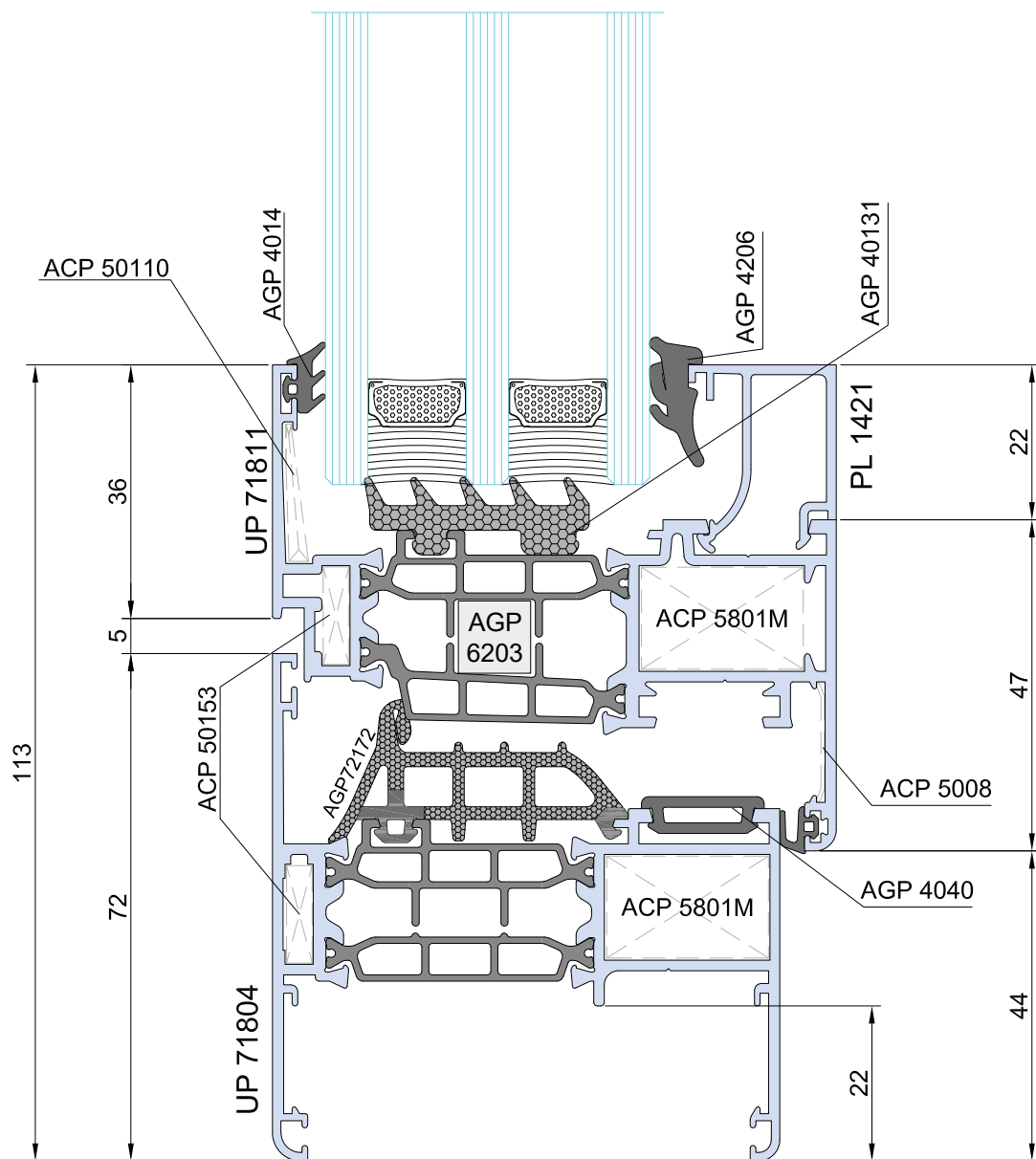


NODI E SEZIONI  
Sections

## Nodo 16

Apertura interna - finestra a battente - nodo a davanzale

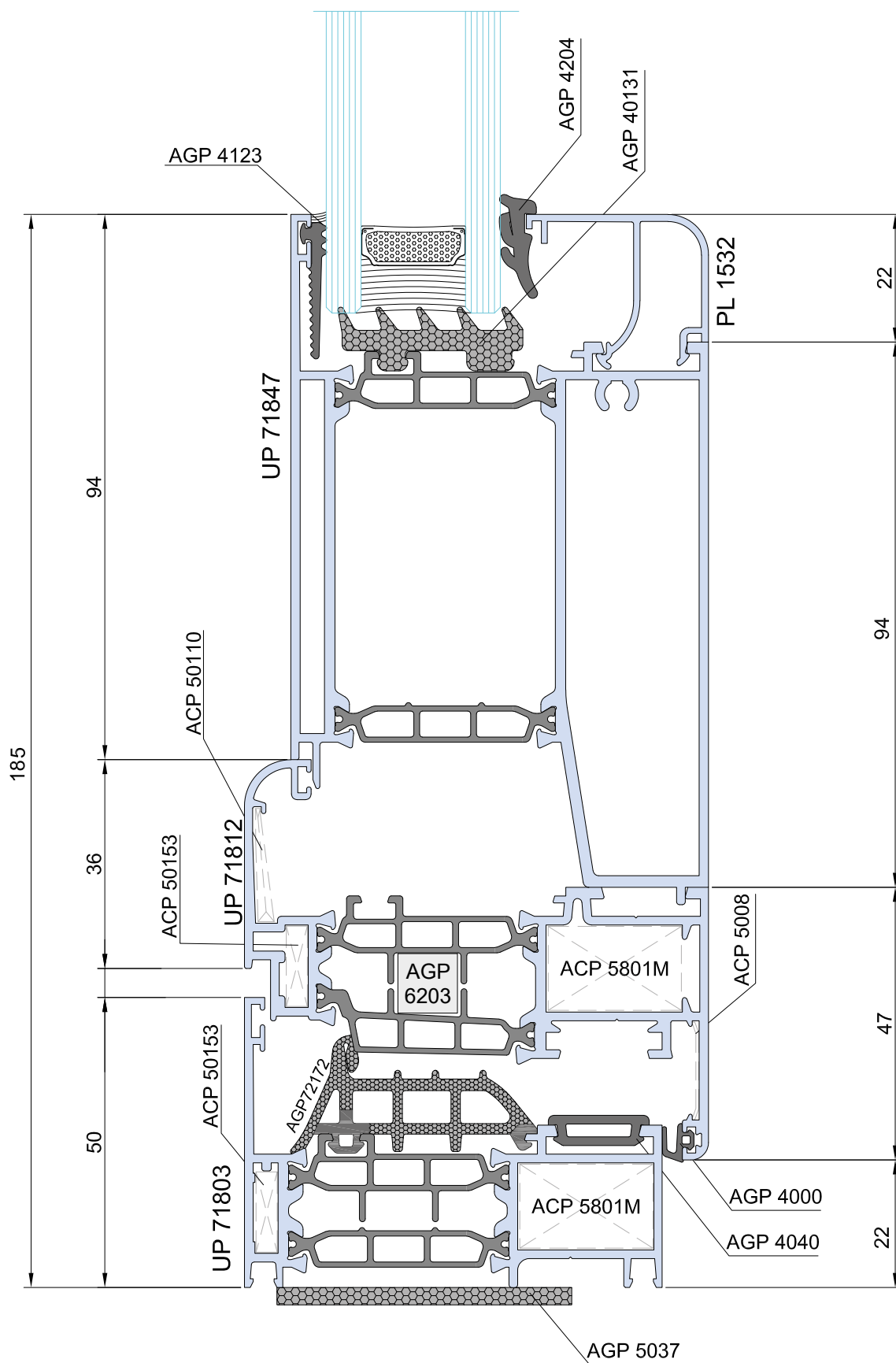
*Inward opening - casement window - sill section*



## Nodo 17

Apertura interna - porta finestra a battente - nodo soglia

Inward opening - casement door - threshold section

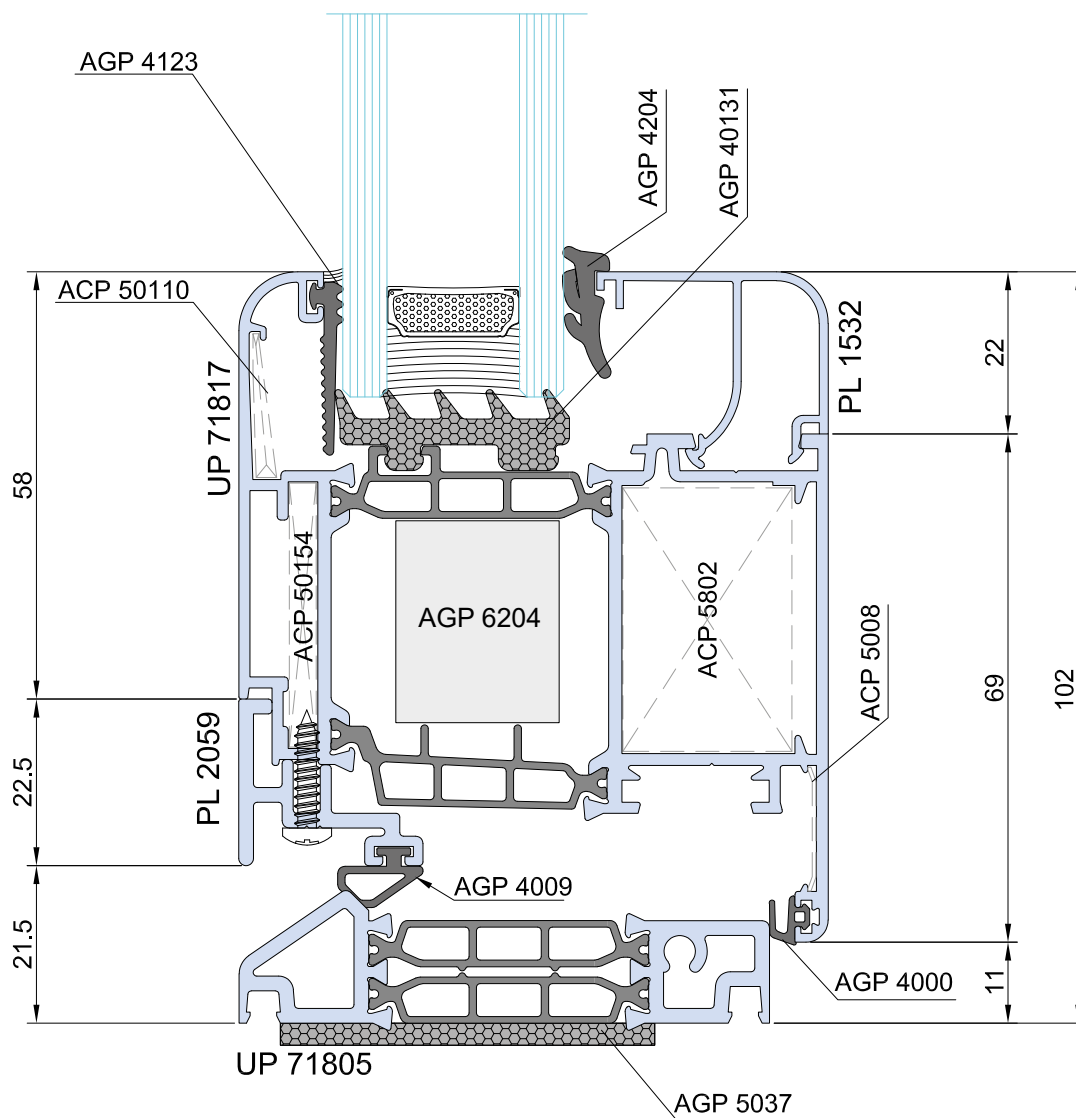




## Nodo 18

Apertura interna - porta finestra a battente - nodo soglia ribassata - anta a girare

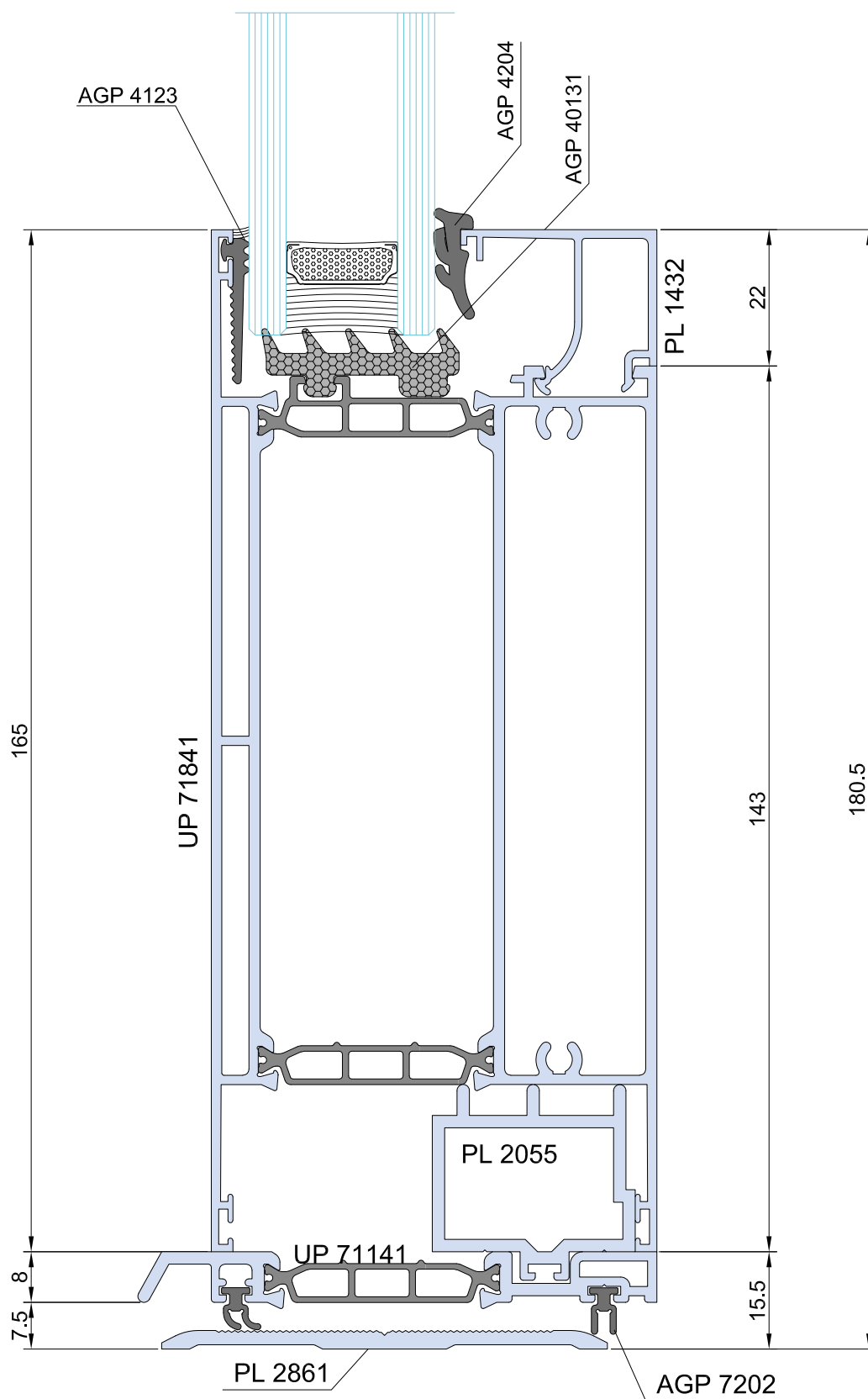
*Inward opening - casement window - sill section*



## Nodo 19

Apertura interna - porta a battente - nodo inferiore

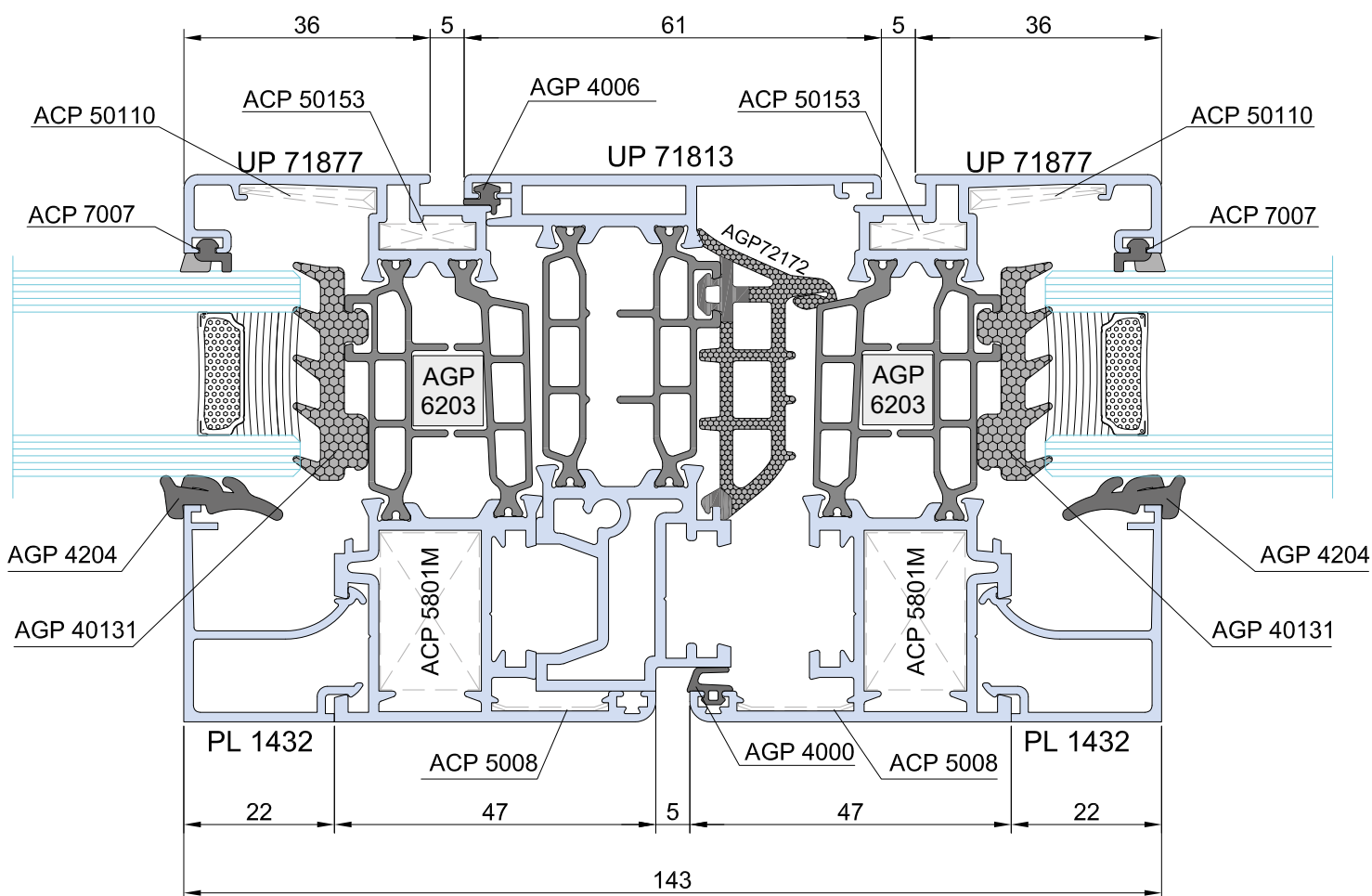
*Inward opening - casement door - lower section*



## Nodo 20

Apertura interna - finestra a battente - nodo centrale

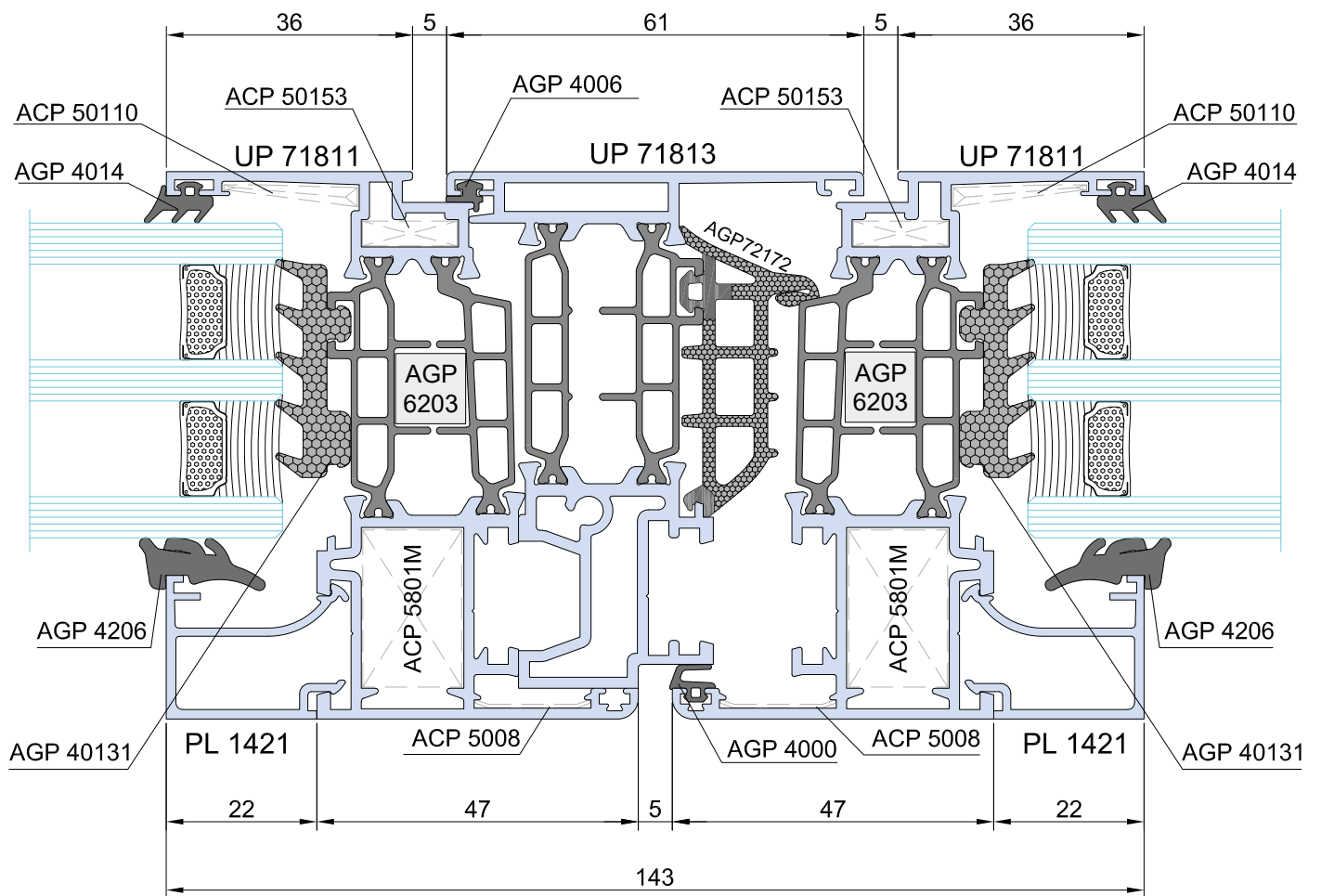
*Inward opening - casement window - central section*



## Nodo 21

Apertura interna - finestra a battente - nodo centrale

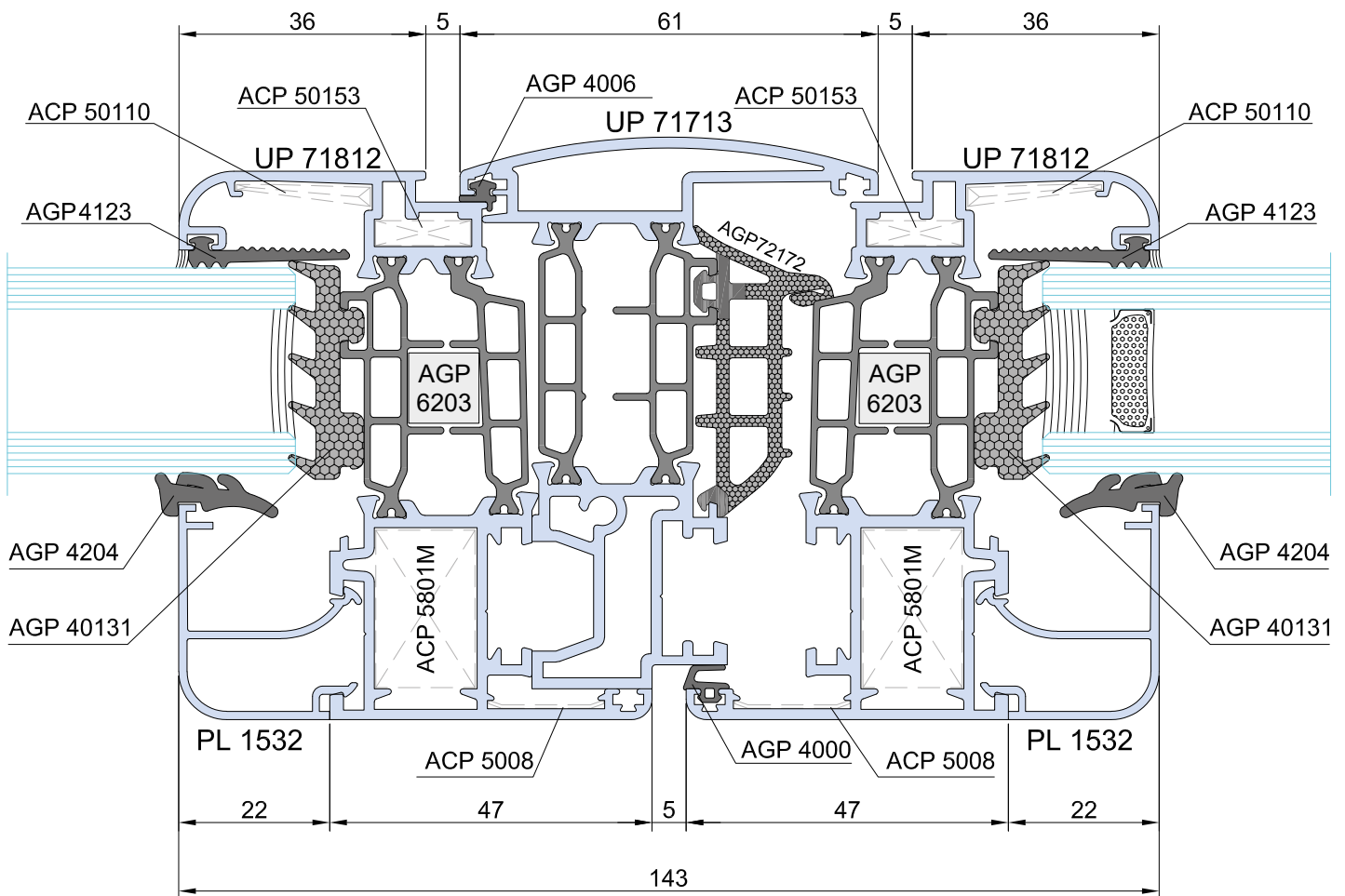
*Inward opening - casement window - central section*



## Nodo 22

Apertura interna - finestra a battente - nodo centrale

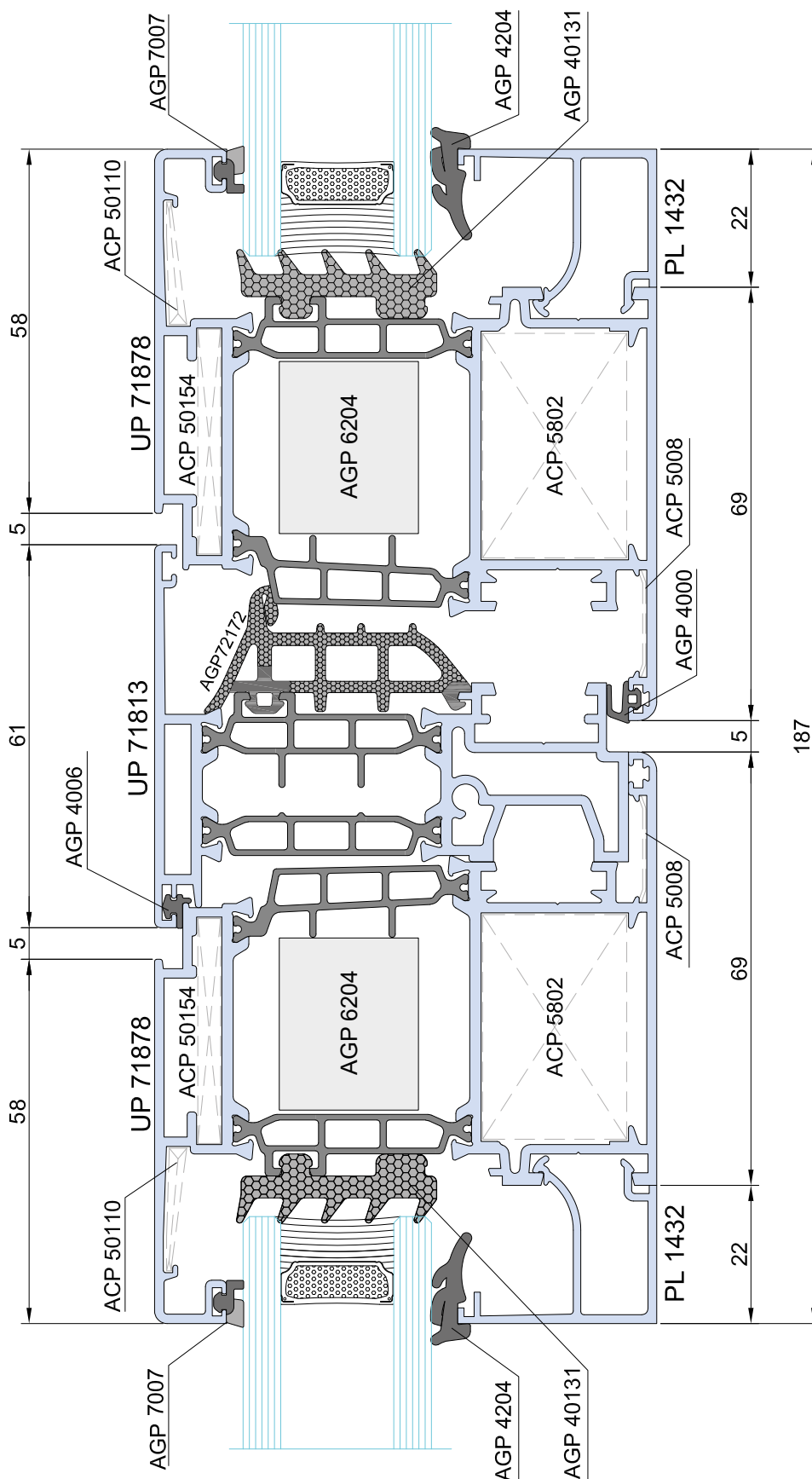
Inward opening - casement window - central section



# Nodo 23

Apertura interna - finestra a battente - nodo centrale

Inward opening - casement window - central section

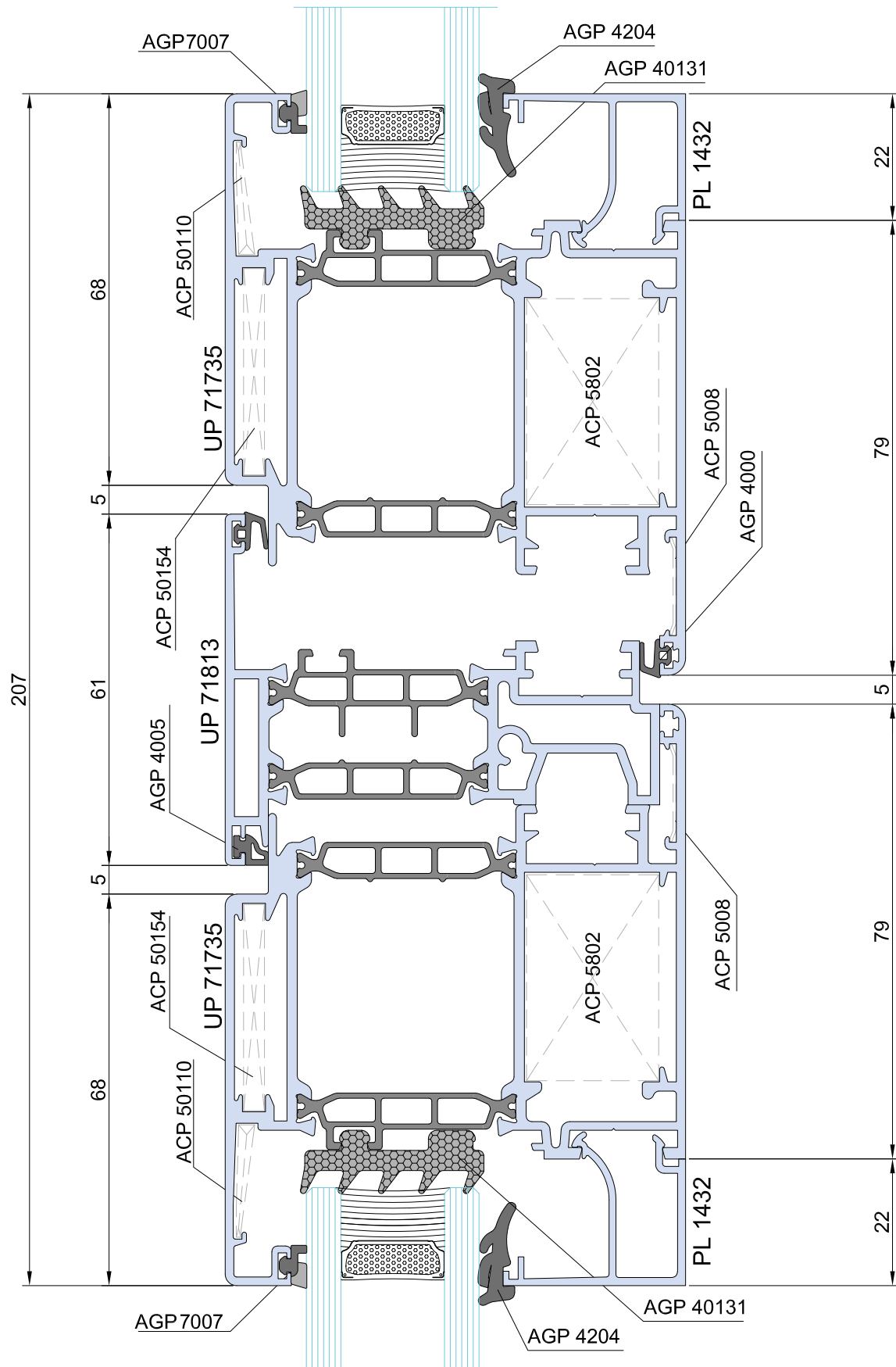


NODI E SEZIONI  
 Sections

## Nodo 24

Apertura interna - porta a battente - nodo centrale

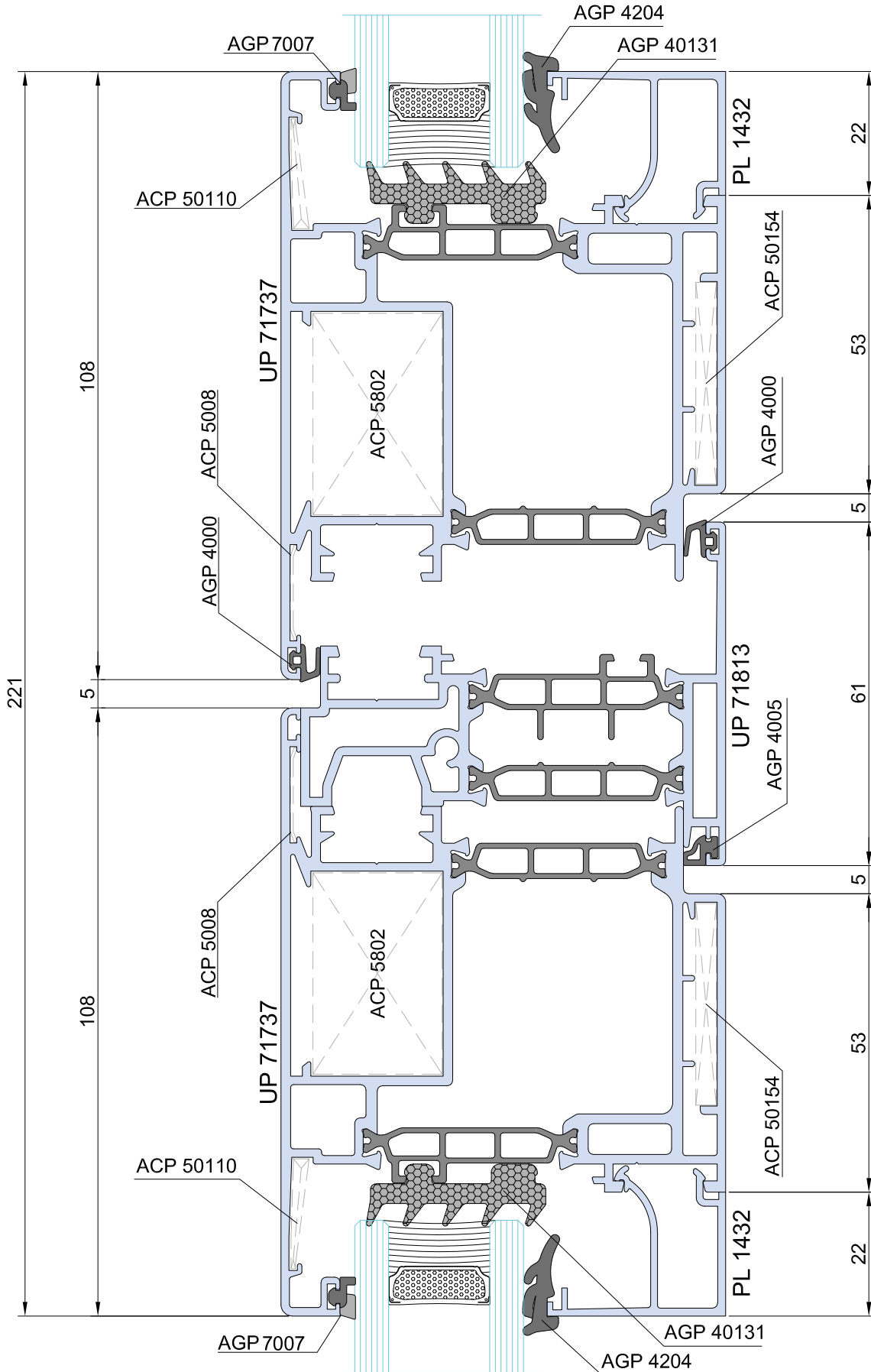
Inward opening - casement door - central section



# Nodo 25

Apertura esterna - porta a battente - nodo centrale

Outward opening - casement door - central section



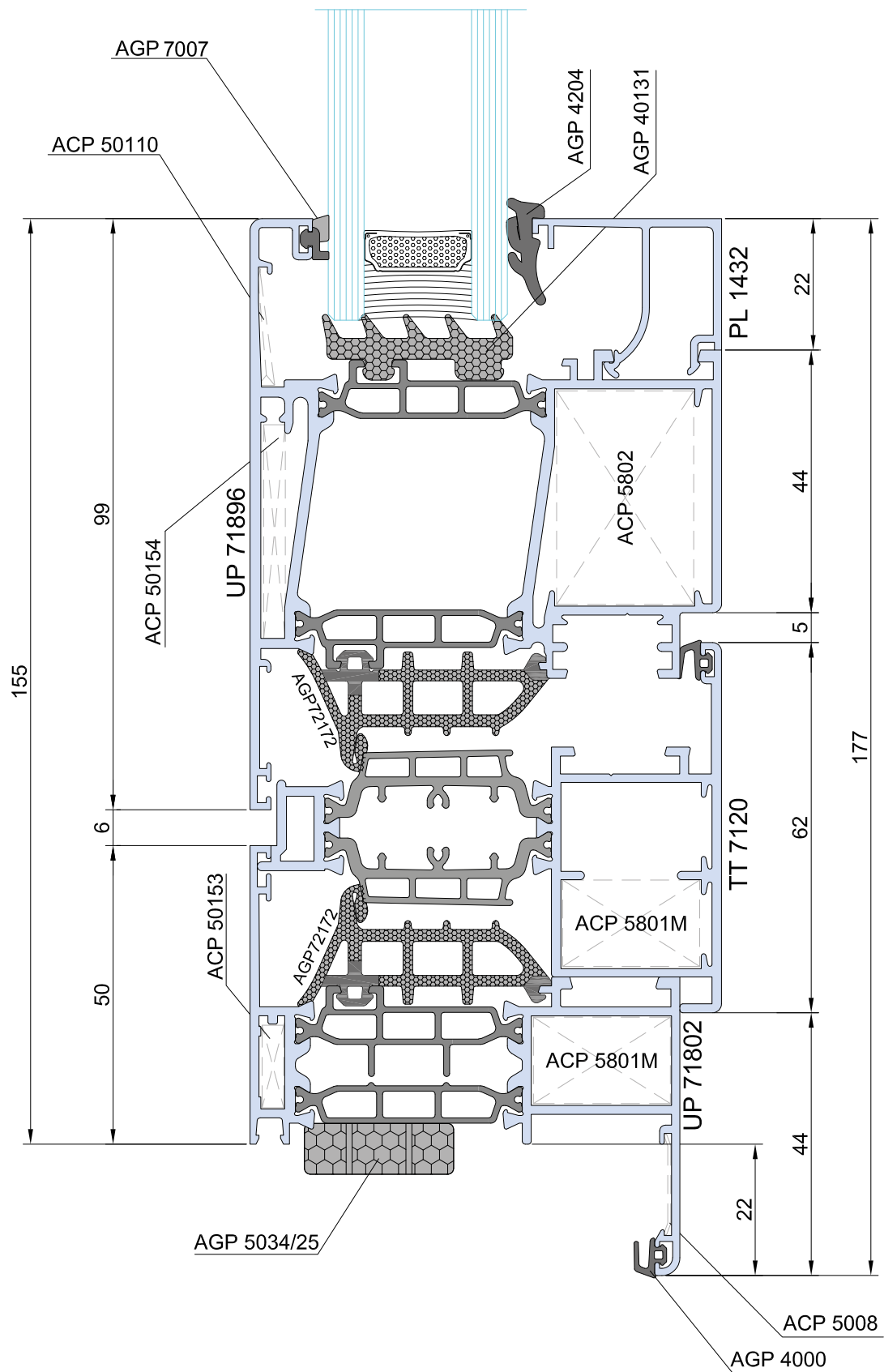
NODI E SEZIONI  
 Sections



## Nodo 26

Bilico - nodo perimetrale inferiore

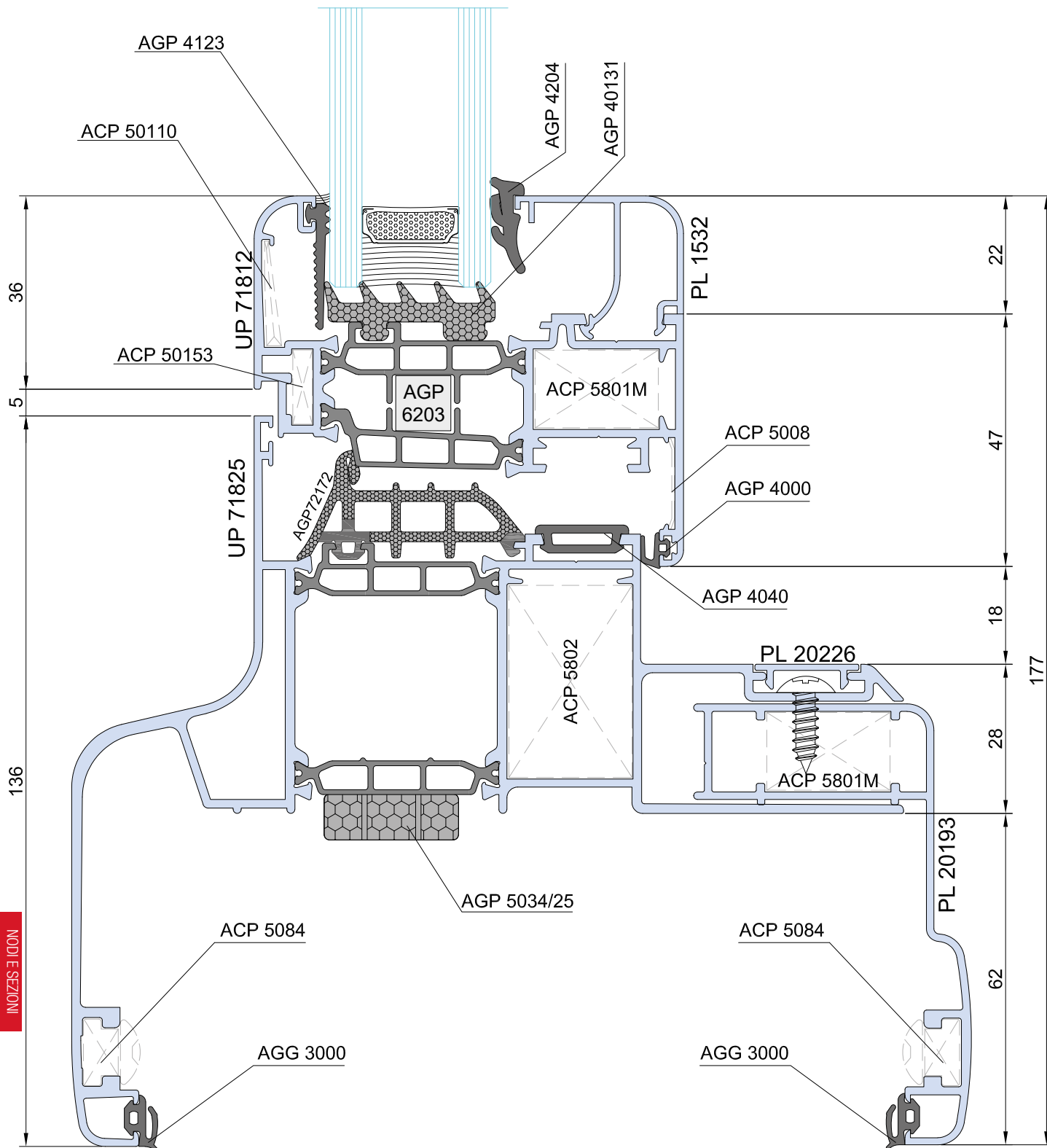
Top hung window - perimetral section



# Nodo 27

## Telaio capannoni con imbotte - nodo perimetrale

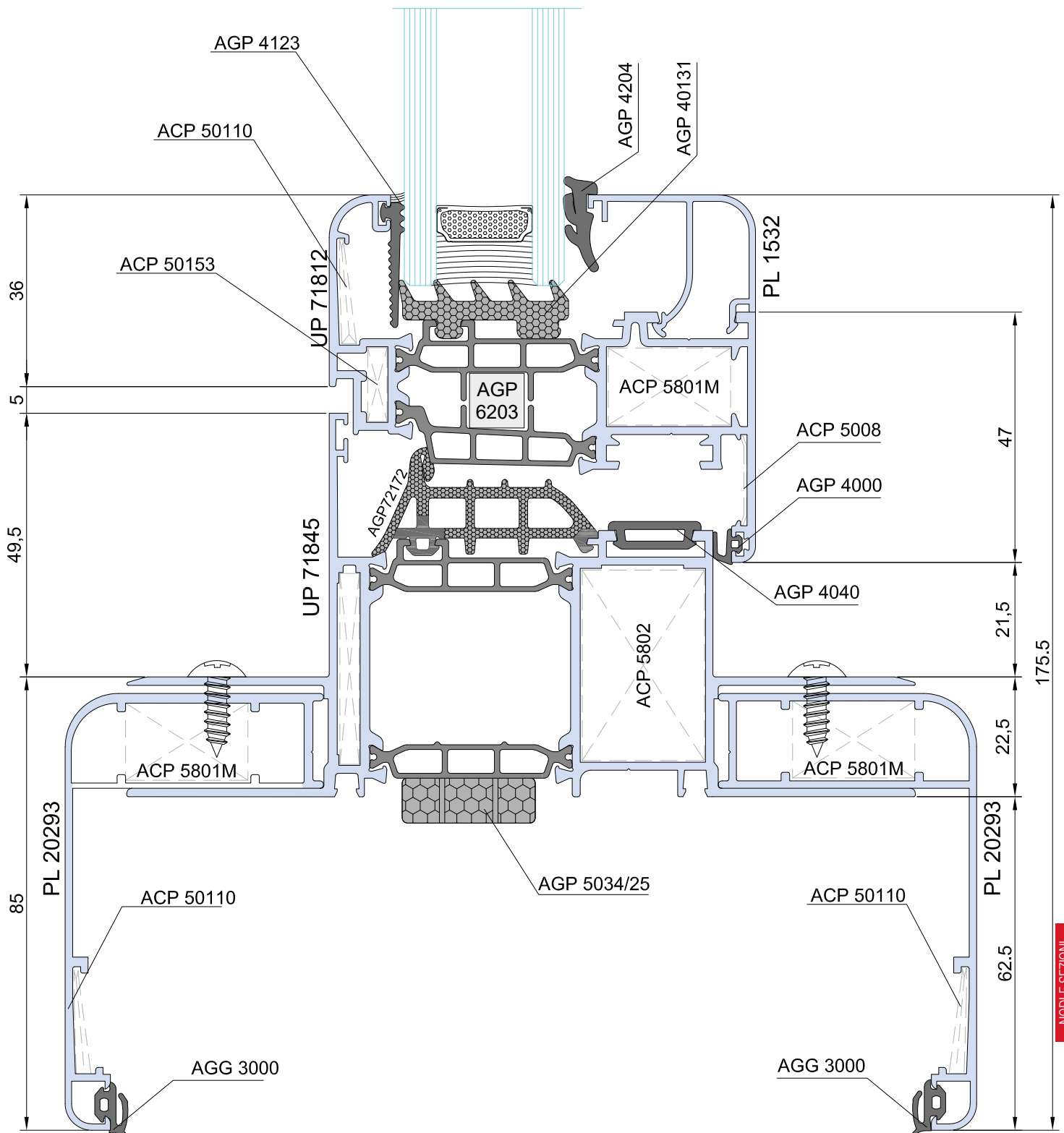
Industrial shed with wall profiles - perimetral section



## Nodo 28

Telaio capannoni con doppio imbotte - nodo perimetrale

Industrial shed with double wall profile - perimetral section

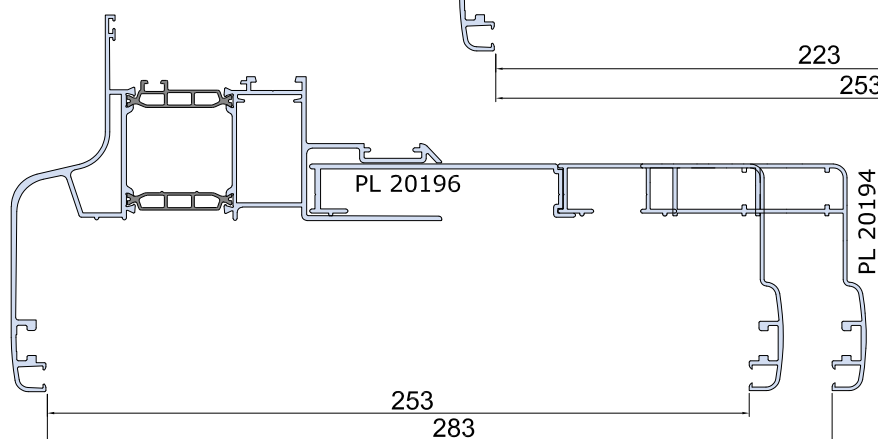
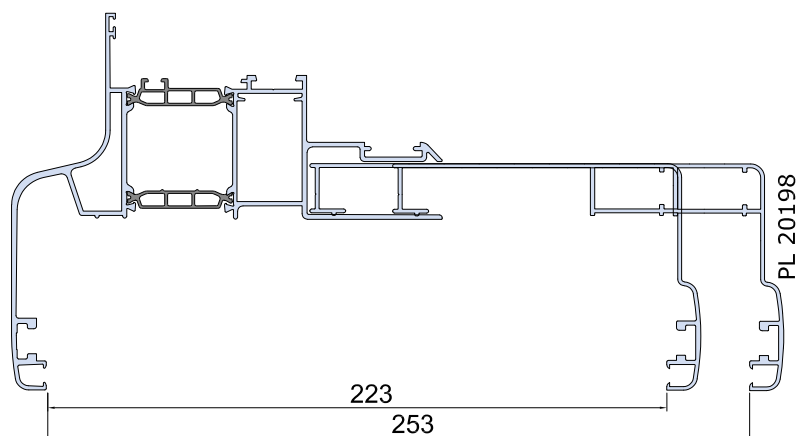
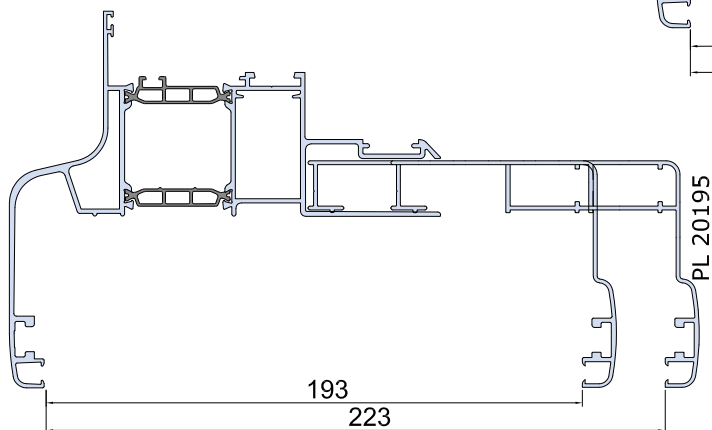
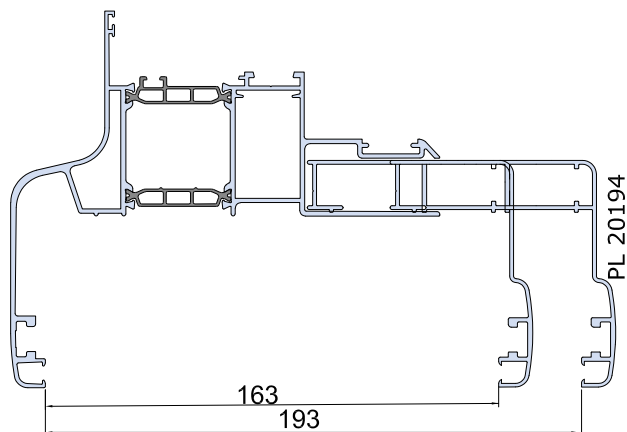
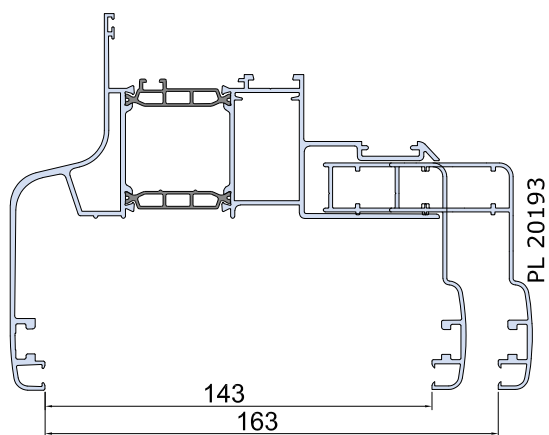


NODI E SEZIONI  
Sections

## Nodo 29

### Imbotti capannone - range d'applicazione

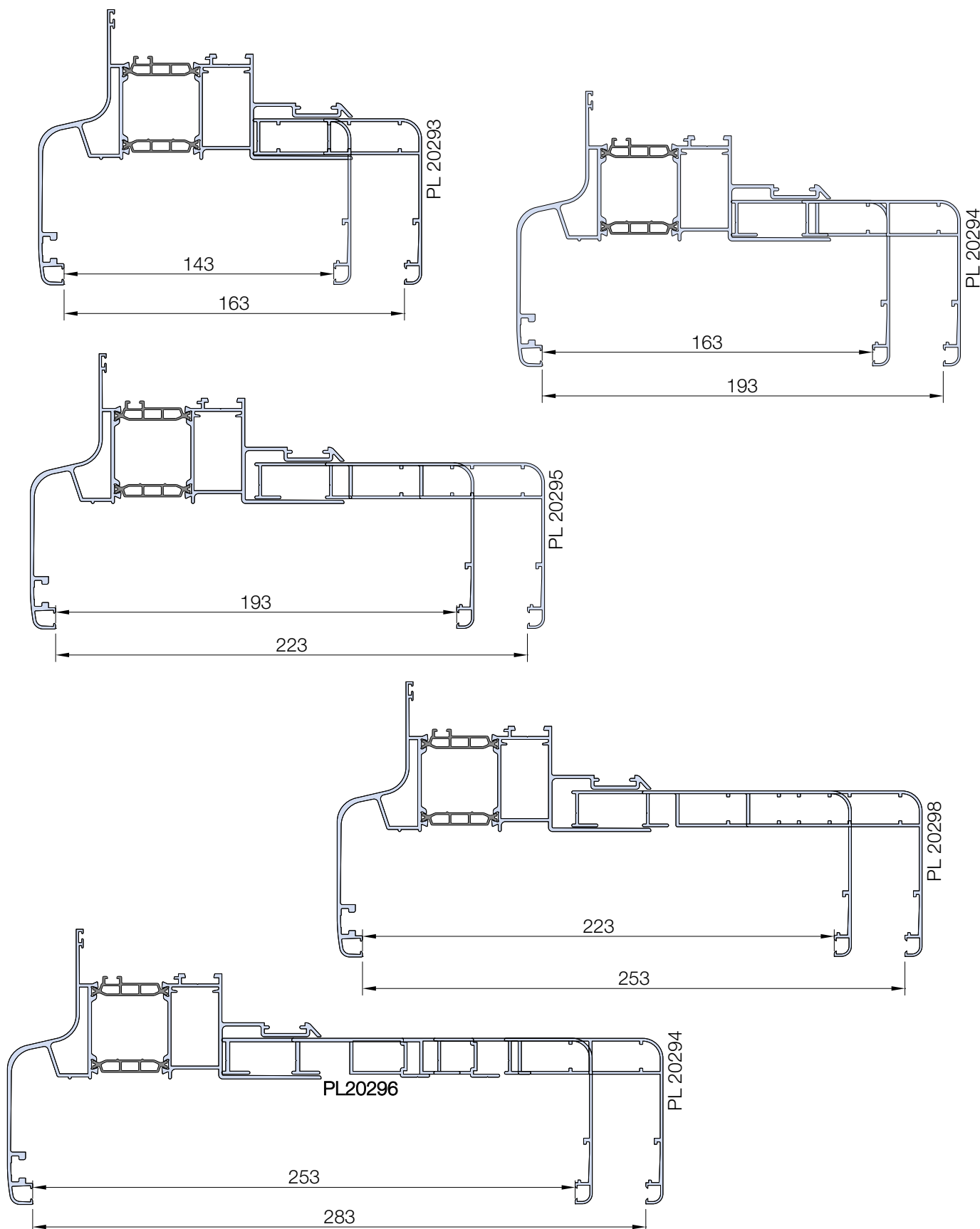
Industrial shed with wall profiles - range of application



## Nodo 30

Imbotti capannone - range d'applicazione

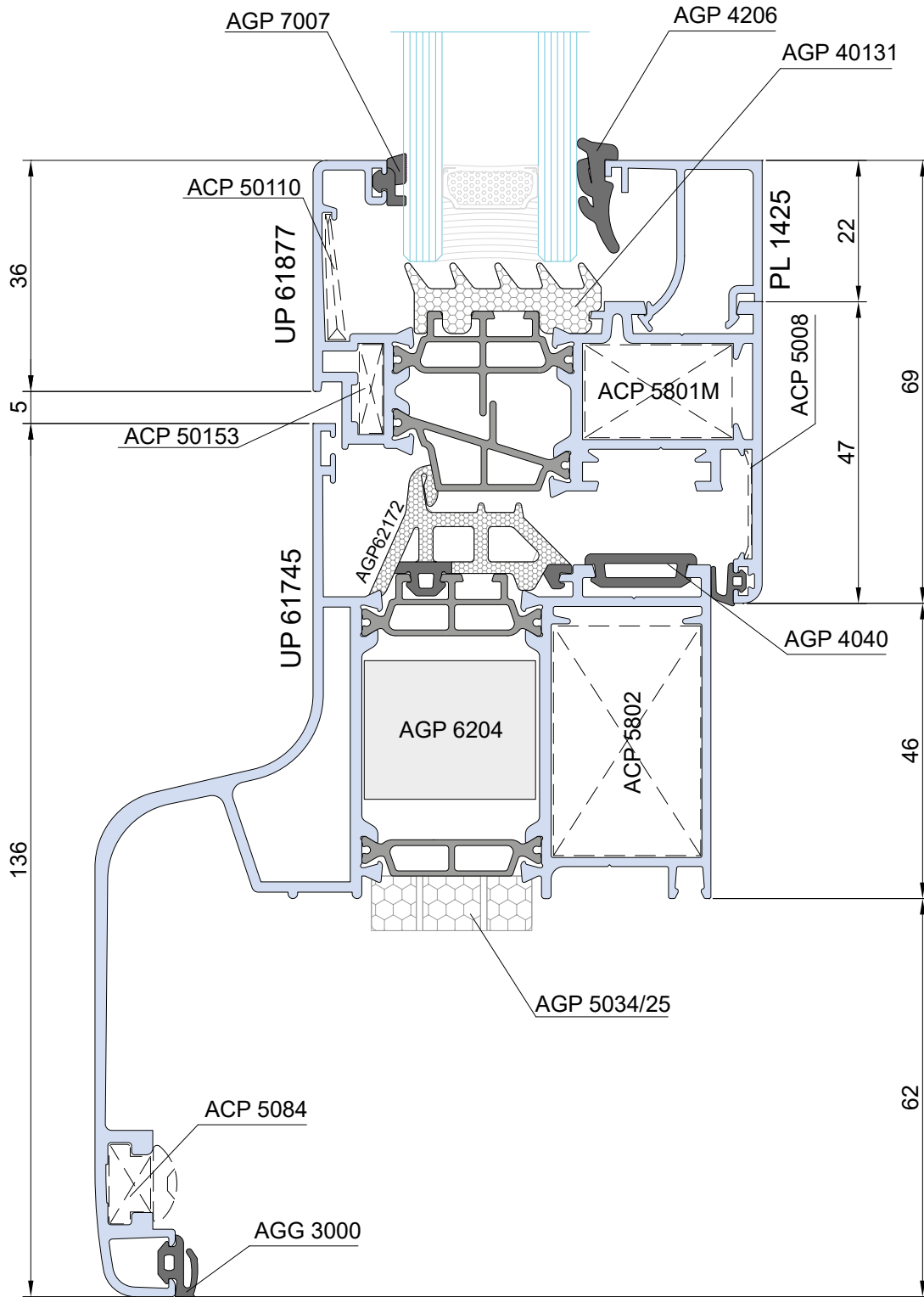
Industrial shed with wall profiles - range of application



# Nodo 31

Telaio per capannoni - nodo inferiore

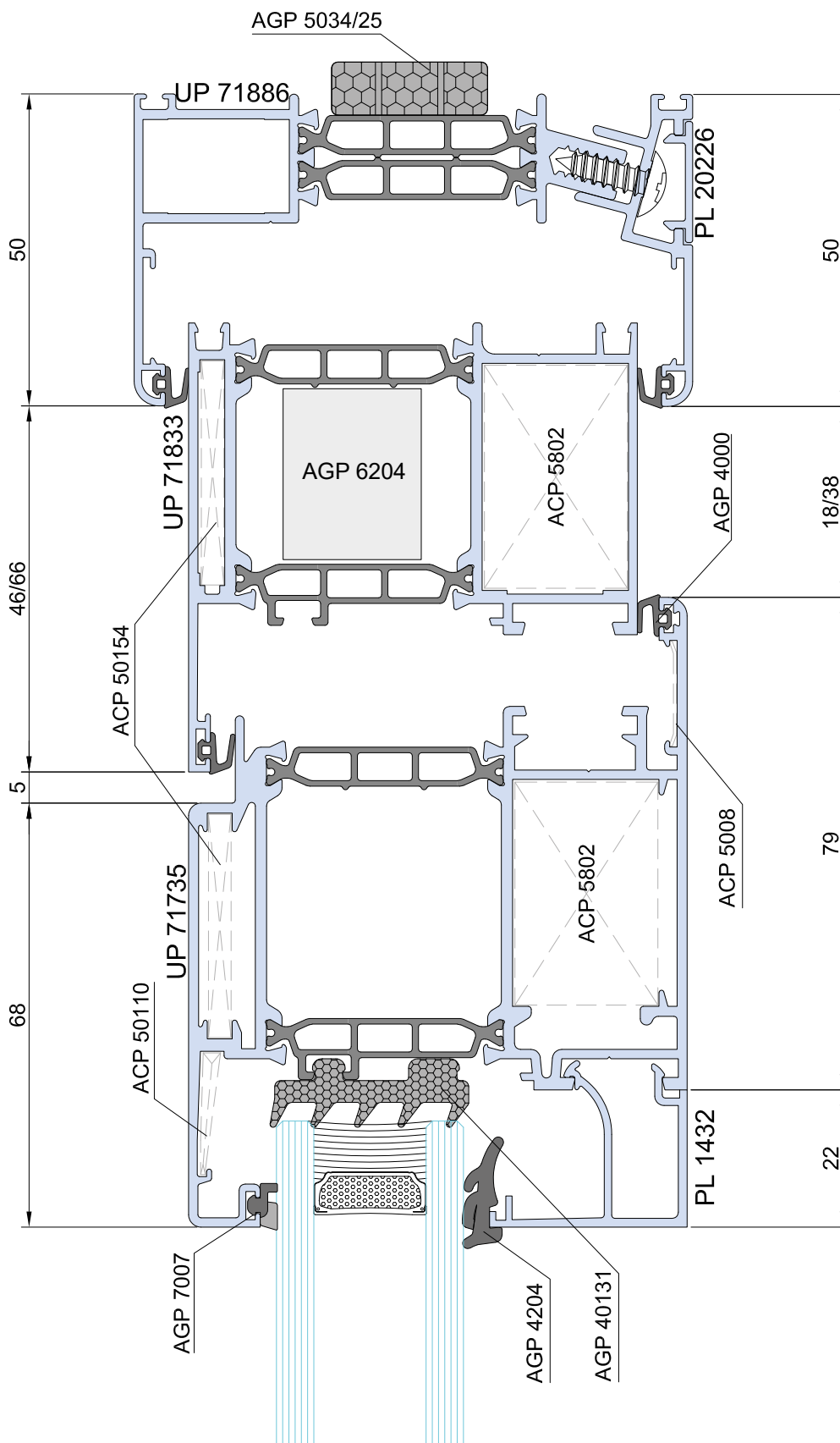
Frame for sheds - lower section



## Nodo 32

Finestrature a nastro - nodo superiore

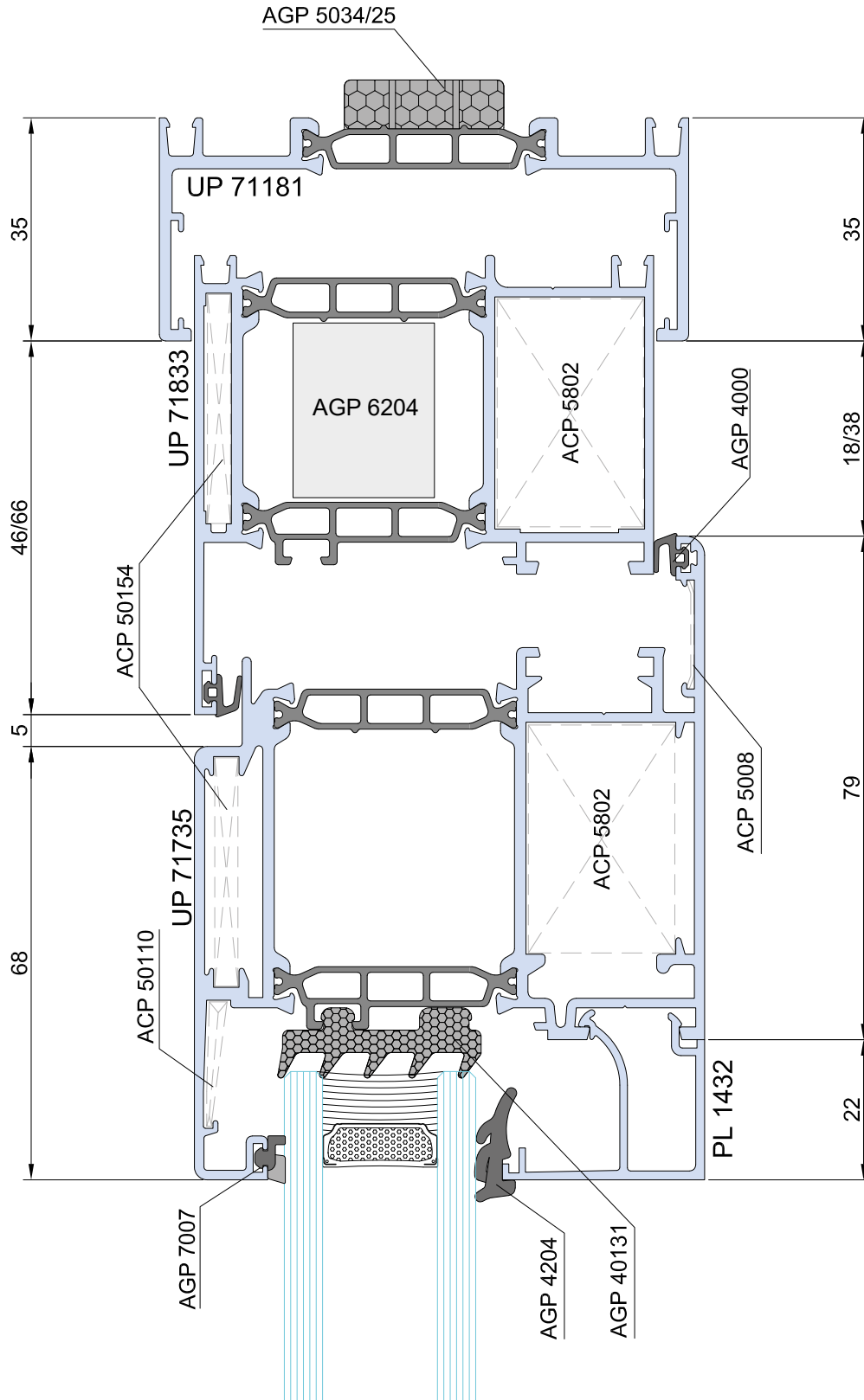
Ribbon windows - upper section



# Nodo 33

## Finestrature a nastro - nodo superiore

Ribbon windows - upper section

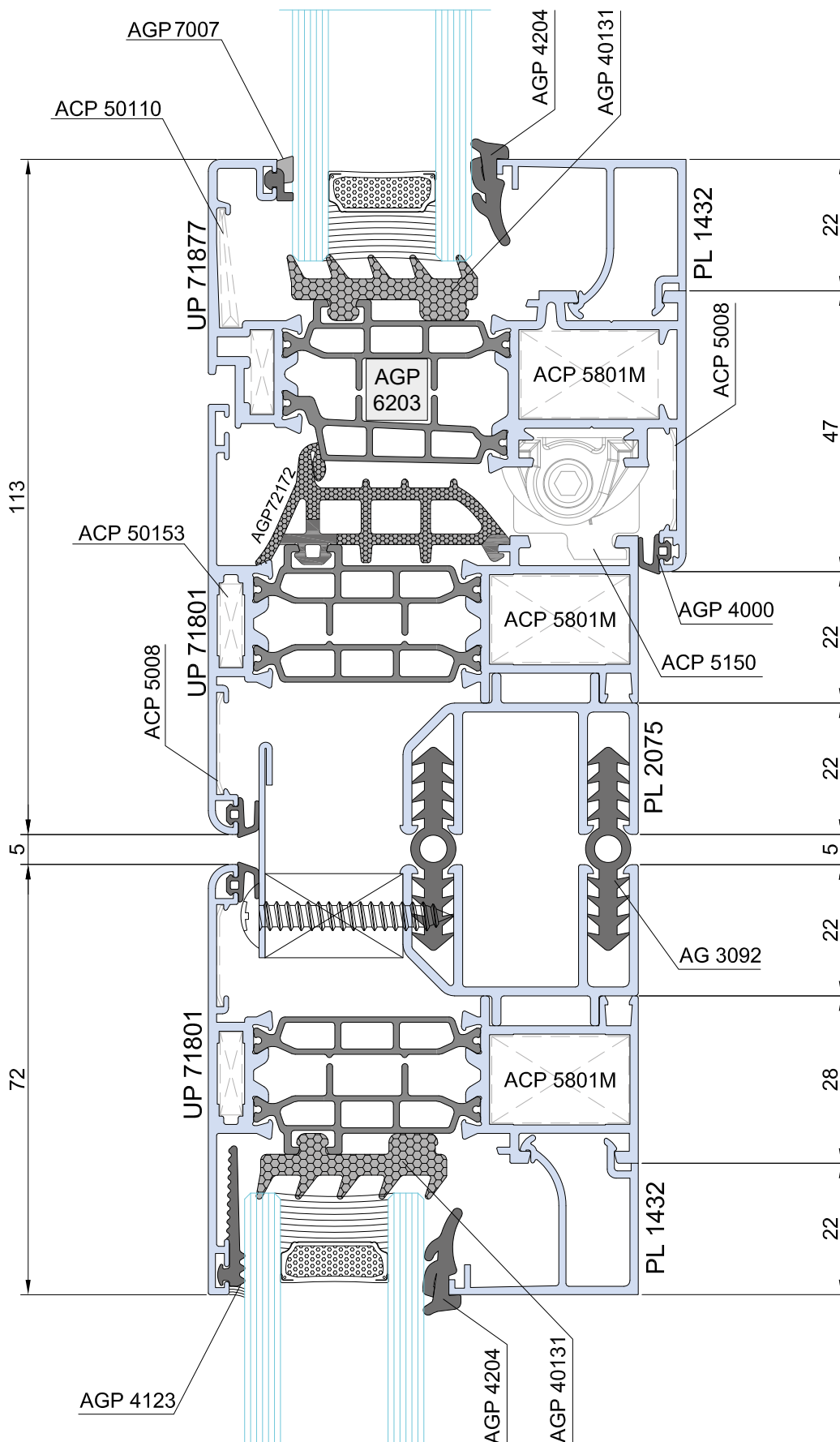




## Nodo 34

Finestratura a nastro - giunto di dilatazione

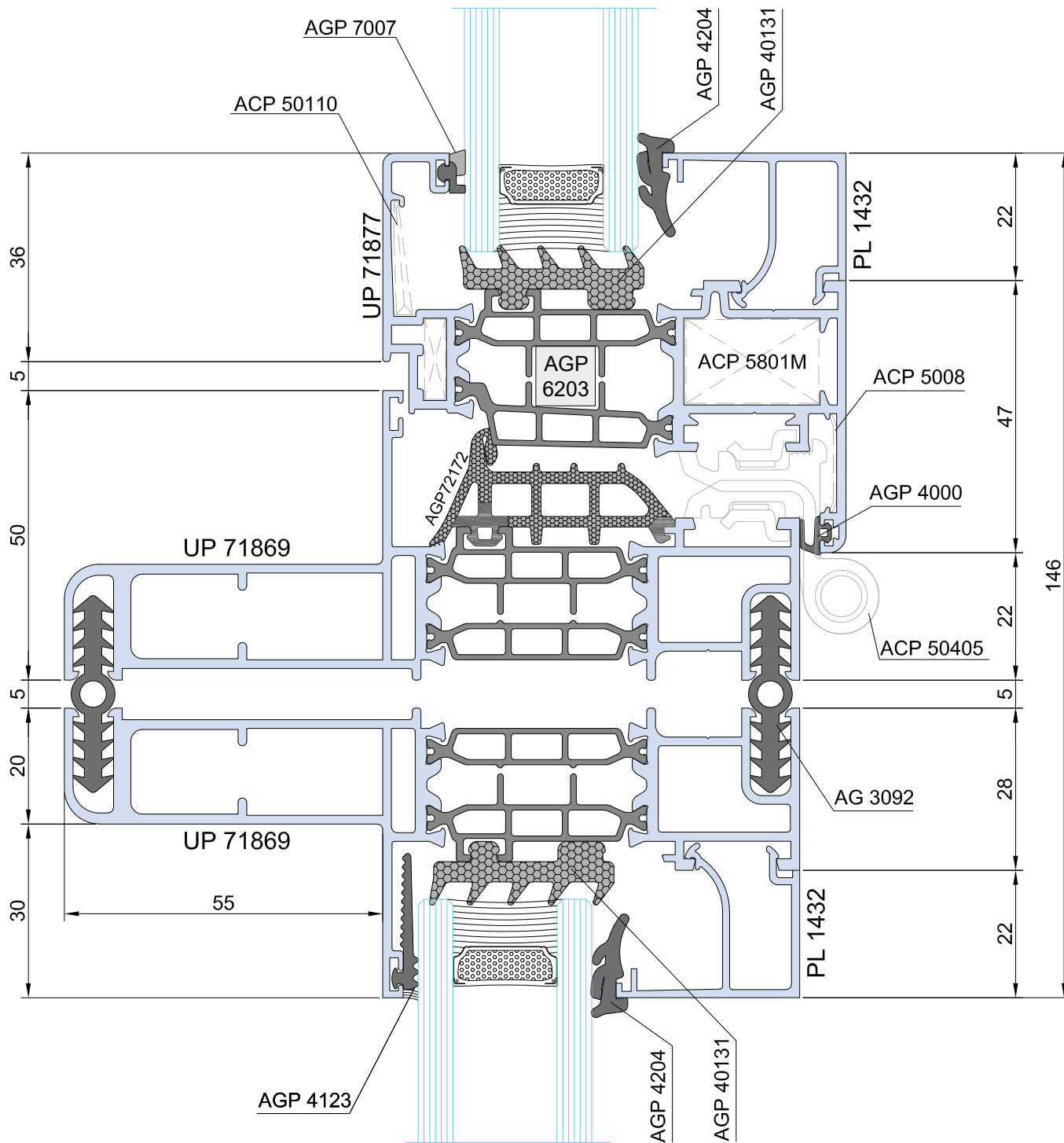
Ribbon window - expansion joint



# Nodo 35

Finestratura a nastro - mezza colonna - giunto dilatazione

Ribbon window - half column - expansion joint

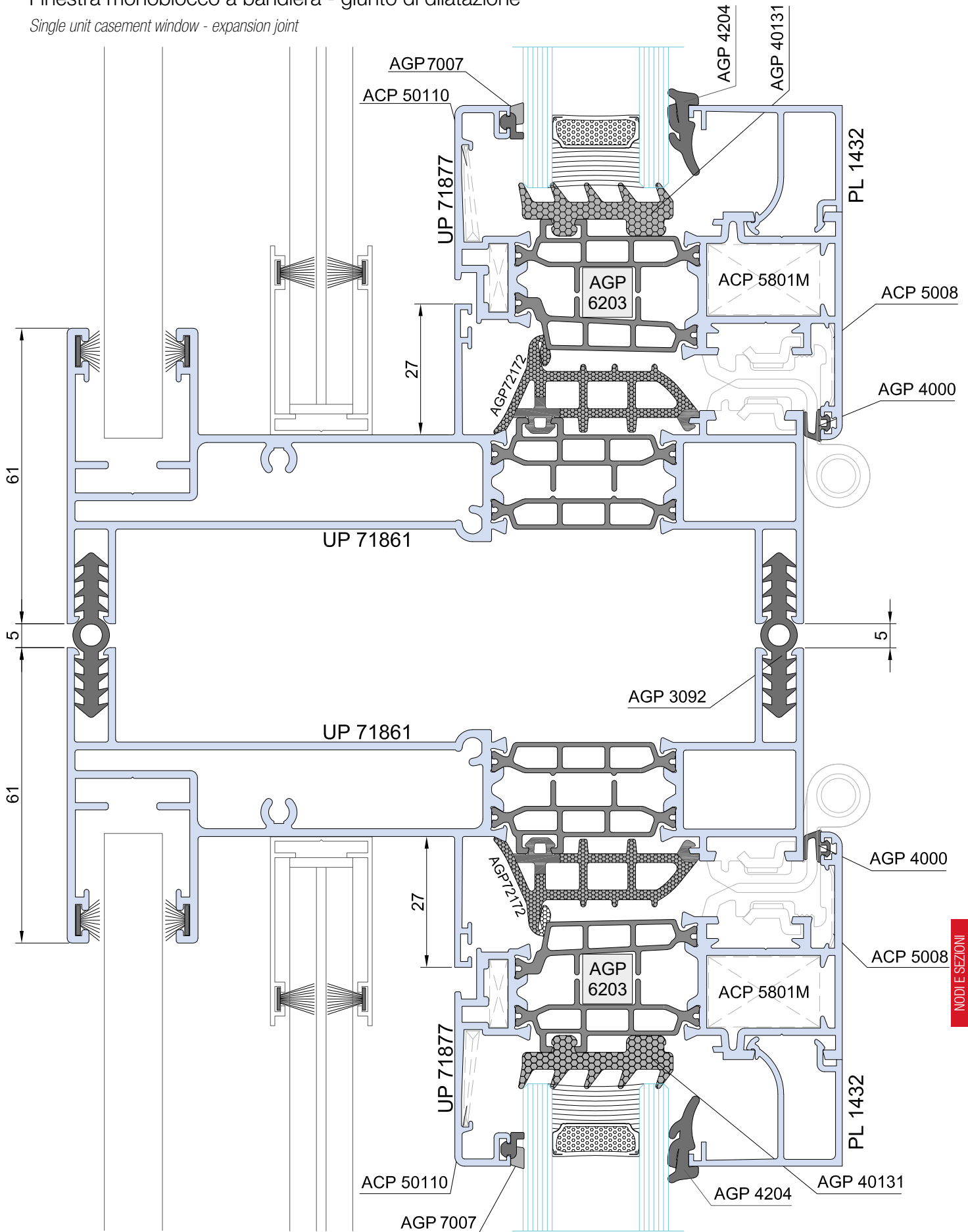


NODI E SEZIONI  
 Sections

## Nodo 36

Finestra monoblocco a bandiera - giunto di dilatazione

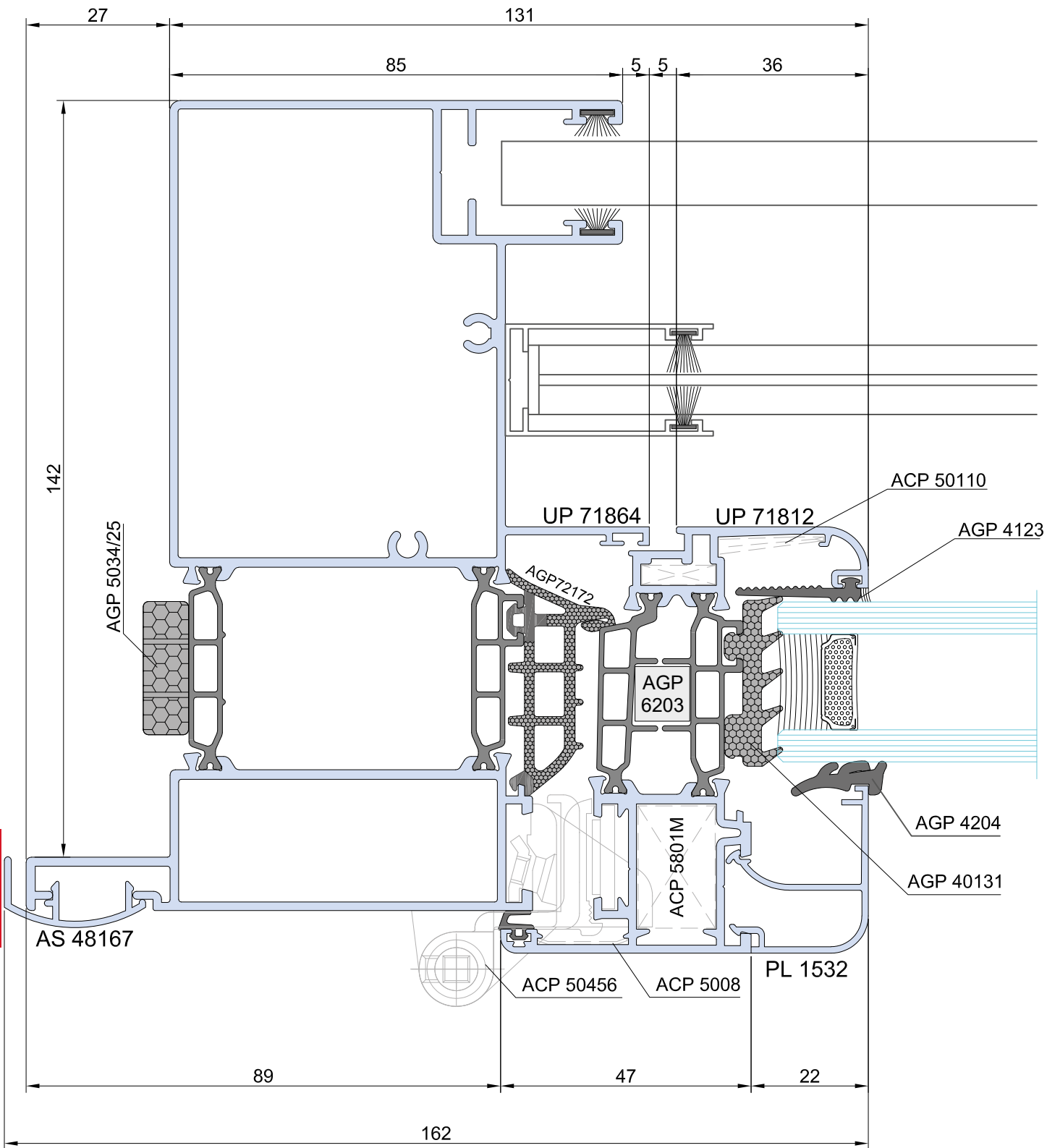
Single unit casement window - expansion joint



# Nodo 37

Finestra monoblocco spalla chiusa con guida tapparella - nodo laterale

*ingle unit casement window - closed abutment*

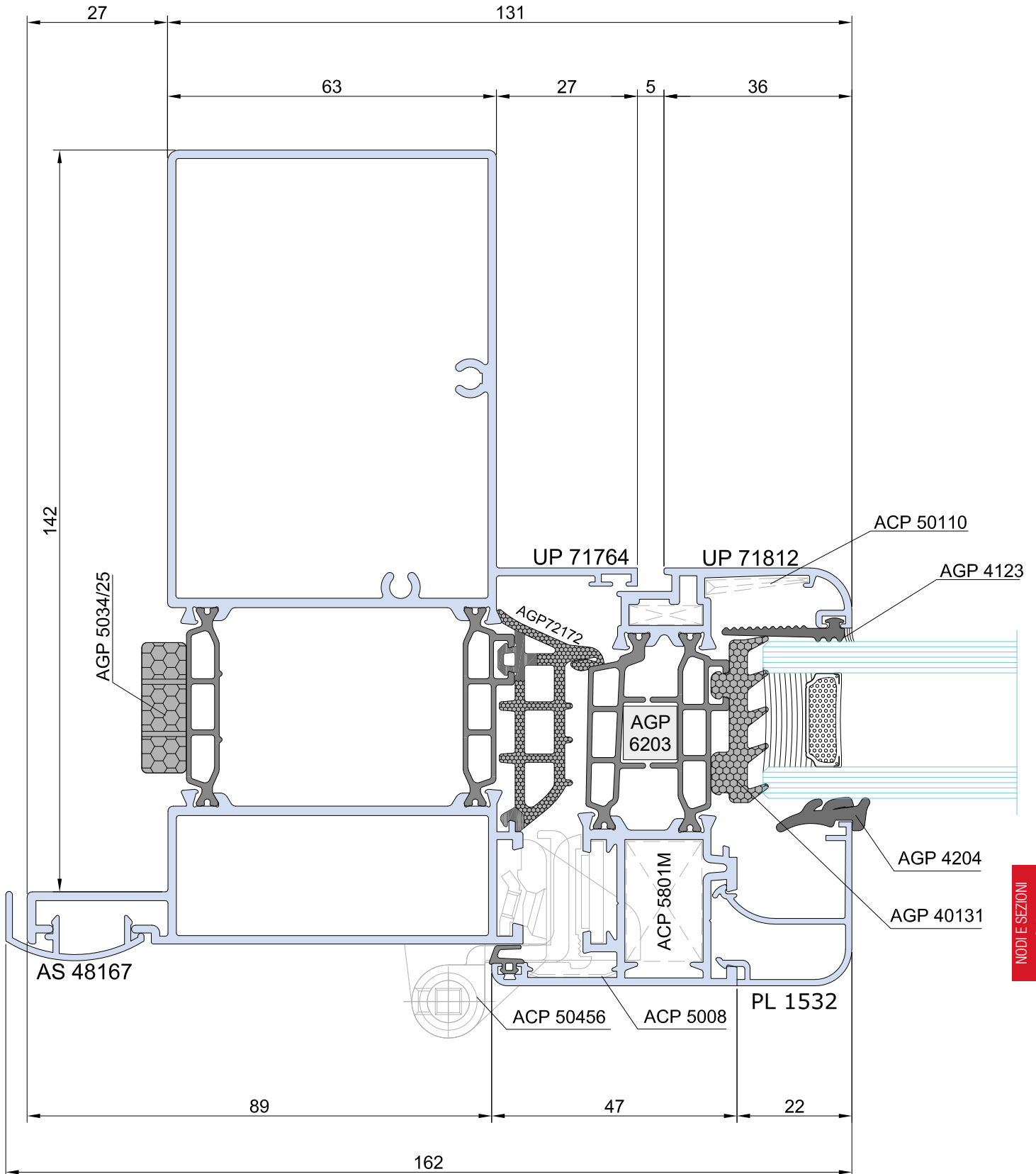


NODI E SEZIONI  
Sections

## Nodo 38

Finestra monoblocco spalla chiusa senza guida tapparella - nodo laterale

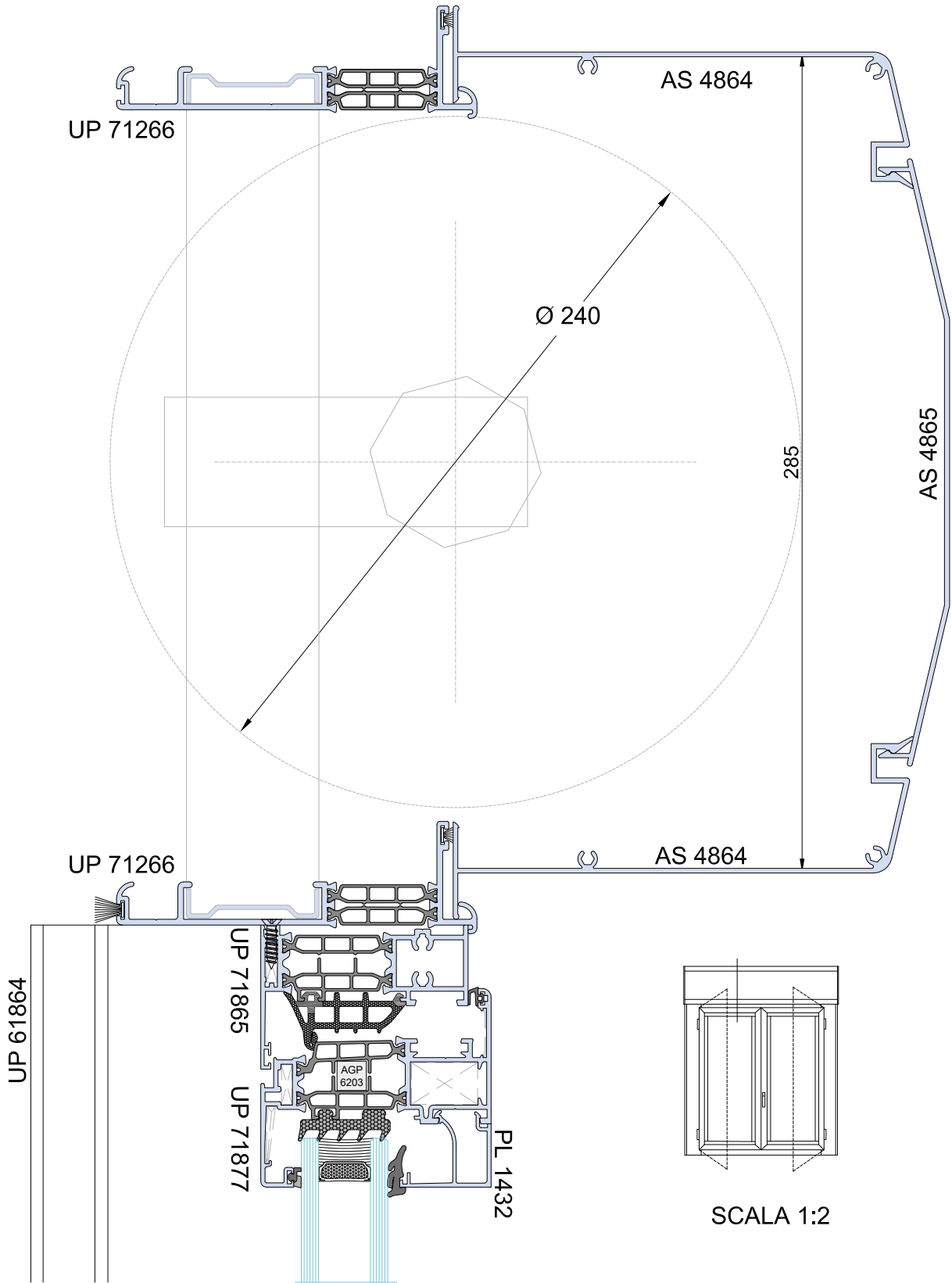
Single unit casement windows - lateral section



# Nodo 39

## Nodo cassonetto monoblocco

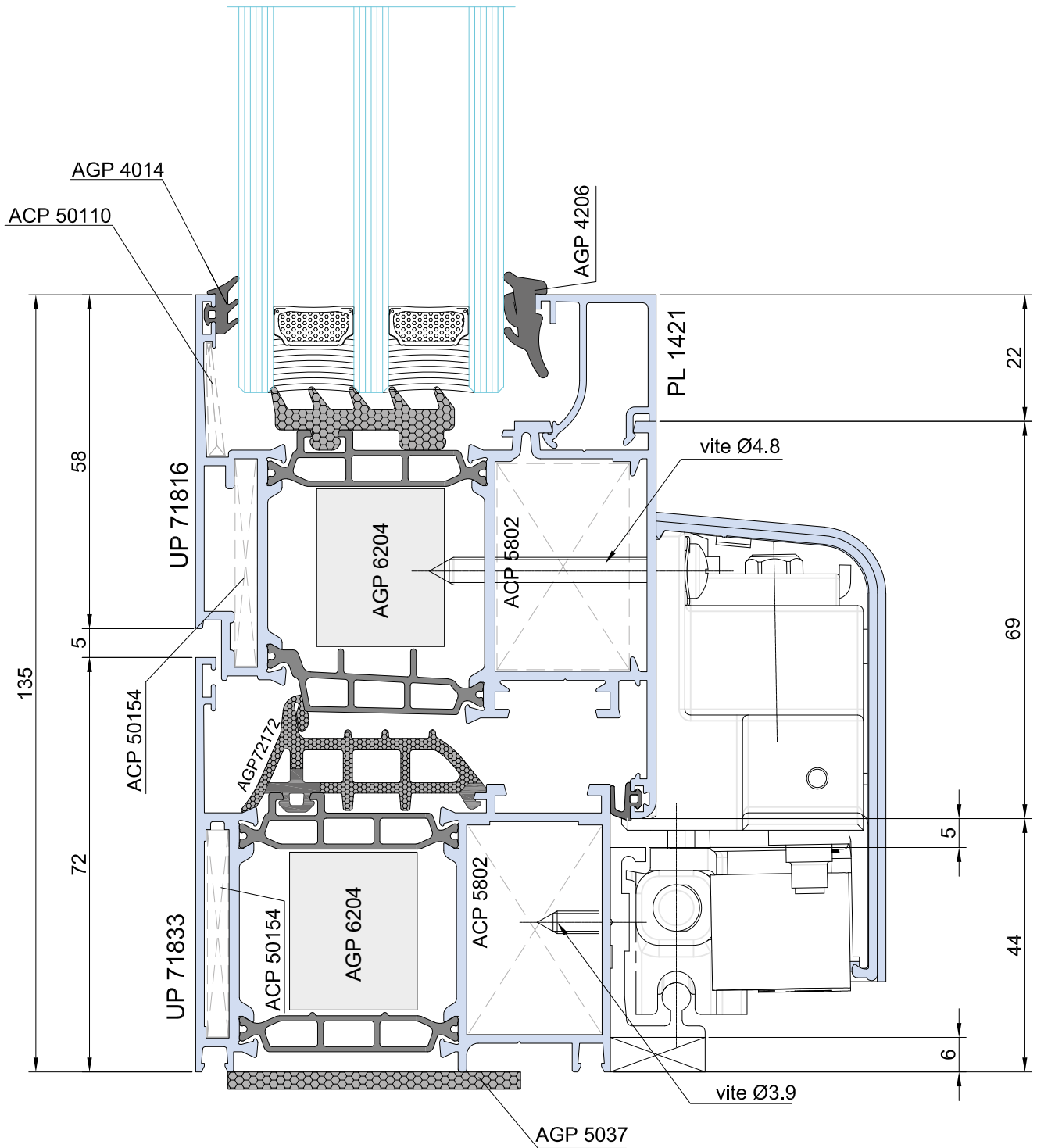
Single unit - casing



## Nodo 40

Scorrevole parallelo - nodo inferiore

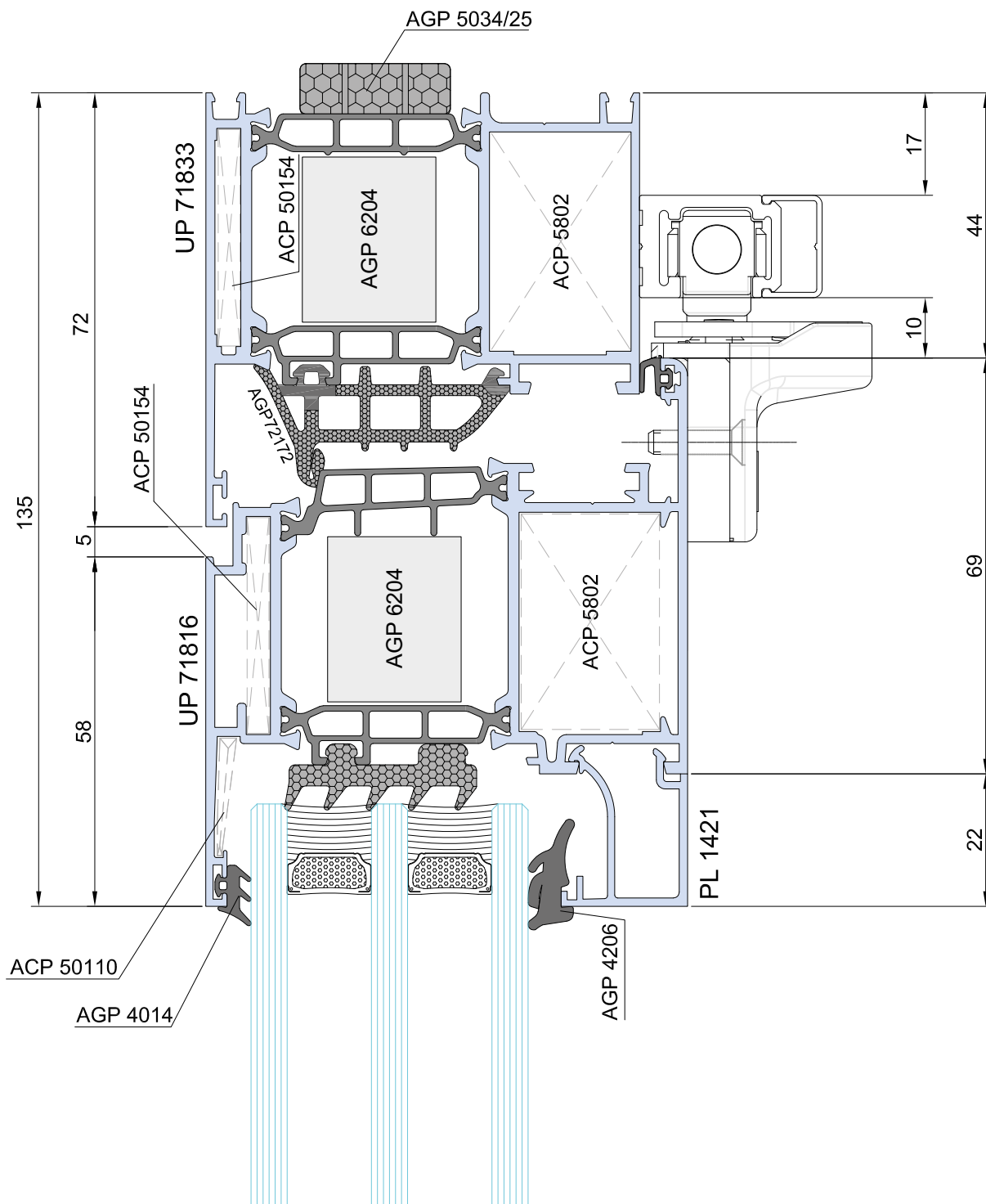
Parallel sliding - lower section



# Nodo 41

Scorrevole parallelo - nodo superiore

Parallel sliding - upper section

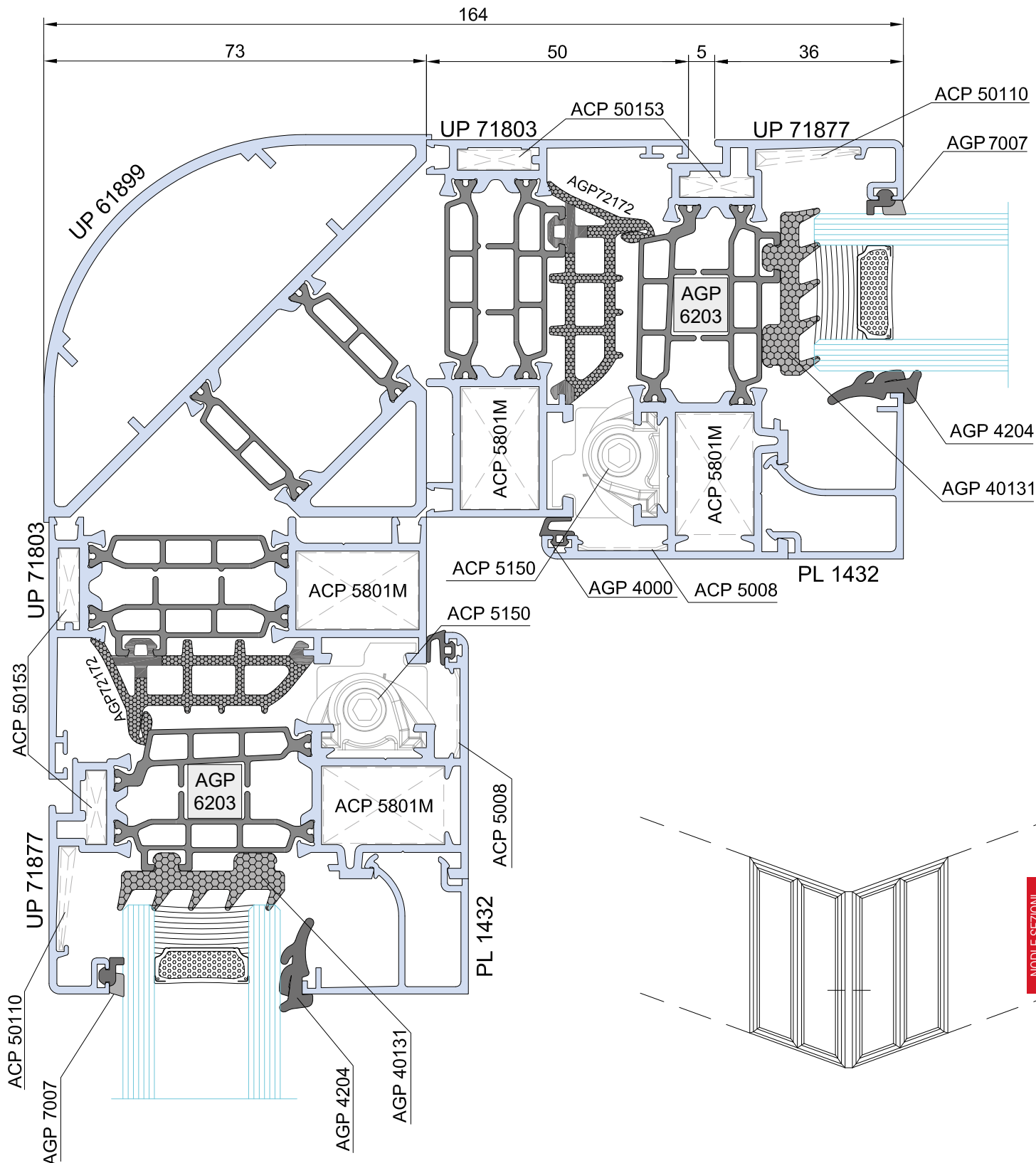




## Nodo 42

Finestre a nastro - nodo d'angolo

Ribbon window - corner section



NODI E SEZIONI  
Sections

## ELENCO ATTREZZATURE

	<p><b>MCT PL 44 PT</b></p> <p>Gruppo frese per serie Planet 72 UP</p> <p><i>Cutting machine for the Planet 72 Plus serie</i></p>		<p><b>MCT PL JOLLY</b></p> <p>Punzonatrice parziale per eseguire tutte le lavorazioni specifiche della serie Planet: 45, 50 PLUS, 62 PLUS/UP, 72 PLUS/UP, Matic, Elite, Door e parziali Nathura, Slide, squadrette e aerazione vetro su anta</p> <p><i>This punching machine performs all the specific machining for the Planet range: 45, 50, 62, 72 Plus, Up, Matic, Elite Door and partials Nathura and Slide</i></p>
	<p><b>MCT PL 14460</b></p> <p>Punzonatrice completa per eseguire tutte le lavorazioni specifiche delle serie: Planet 45, 50 PLUS, 62 PLUS/UP, 72 PLUS/UP, Nathura70, 82, 92 Matic 50 PLUS, 62 PLUS/UP, 72 PLUS/UP, Elite door 72, telai Slide 80/160, Slidewood 160</p> <p><i>Full punching for machining for: Planet 45, 50Plus, 62, 72 Plus/UP Nathura70, 82, 92, Matic 50Plus, 62, 72, Elite Door 72 and Slide 80/106, Slidewood 160</i></p>		<p><b>MCT PL 402 01 96</b></p> <p>Polmoncino per lavorazione squadretta a spinare Planet</p> <p><i>Pneumatic machine for machining brackets to be pinned of the Planet range</i></p>
	<p><b>MCT PL 319 06 35</b></p> <p>Punzonatrice portatile per fare il foro 3 mm nelle ante per poter spinare le squadrette ACP 50153 e ACP 50154</p> <p><i>Portable punching machine for making the 3mm hole in the leaf for broaching the brackets ACP 50153 and ACP 50154</i></p>		<p><b>MCT PL 402 01 98</b></p> <p>Polmoncino per lavorazione squadretta con pulsante da 10,5 mm</p> <p><i>Pneumatic machine for machining brackets with pushbutton 10.5mm</i></p>
	<p><b>MCT PL 350 431/45</b></p> <p>Fresa per intestatura fermavetri arrotondati qualora si volessero tagliare a 45° senza utilizzare gli angolei. Il kit è utilizzabile sulle intestatrici EM140G</p> <p><i>Cutter stack for rounded glazing beads when a 45° cut is desired without using the angles the kit can be used on EM140G milling machines</i></p>		<p><b>MCT PL PL01</b></p> <p>Punzonatrice per fare il foro 3 mm nell'anta per poter spinare ACP 50153 e ACP 50154</p> <p><i>Punching machine for making the 3 mm hole in the leaf for broaching ACP 50153 and ACP 50154</i></p>
	<p><b>MAC 210 SC</b></p> <p>Spino cianfrinatrice pneumatica universale</p> <p><i>Pneumatic crimping machine</i></p>		



**MCT PL CIANFRINA**

Coppia di coltelli per cianfrinare la serie Planet


*Pair of blades for crimping the Planet range*



**MCT PL 400 03 63**

Controsagoma per intestatura fermavetri arrotondati qualora si volessero tagliare a 45° senza utilizzar gli angoli. Il kit è utilizzabile sulle intestatrici EM140G

*Counterprofile for rounded glazing beads when a 45° cut is desired without using the angles the kit can be used on EM140G milling machines*



**MCT PL 402 02 28/A**

Kit completo per spino cianfrinare profili Planet 50TT, 62/72 PLUS e UP  
composizione:

- n° 5 cp di coltelli per Planet 50TT
- n° 5 cp di coltelli per Planet 62/72 PLUS e UP
- n° 4 kit spessori
- ferro a ipsilon

I kit sono utilizzabili sulle spinocinfrinatrici MAC 210SC

*Complete kit for broaching crimping profiles Planet 50TT, 62/72 Plus e UP. Includes:*

- 5 pairs of blades for Planet 50TT
- 5 pairs of blades for Planet 62 Plus e UP
- 4 shim kits
- Y iron

*the kits can be used on broaching-crimping machines MAC210SC*



**ACP 6000**

Kit controsagome per troncatrici Emmegi

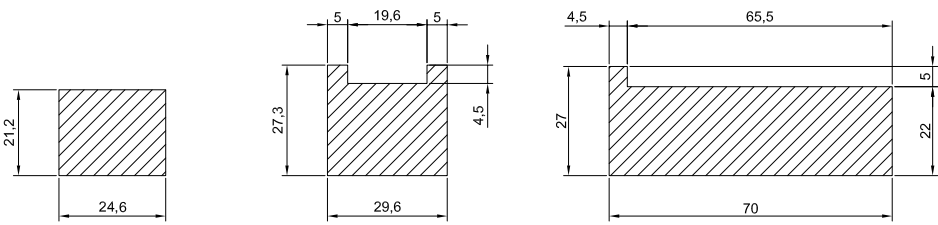
*Shape Kit for Emmegi machine*



**EM 140G**

Intestatrici per fermavetri arrotondati con morsa e gruppo frese

*Glazing bead fixing machine*



**ACP 6001**

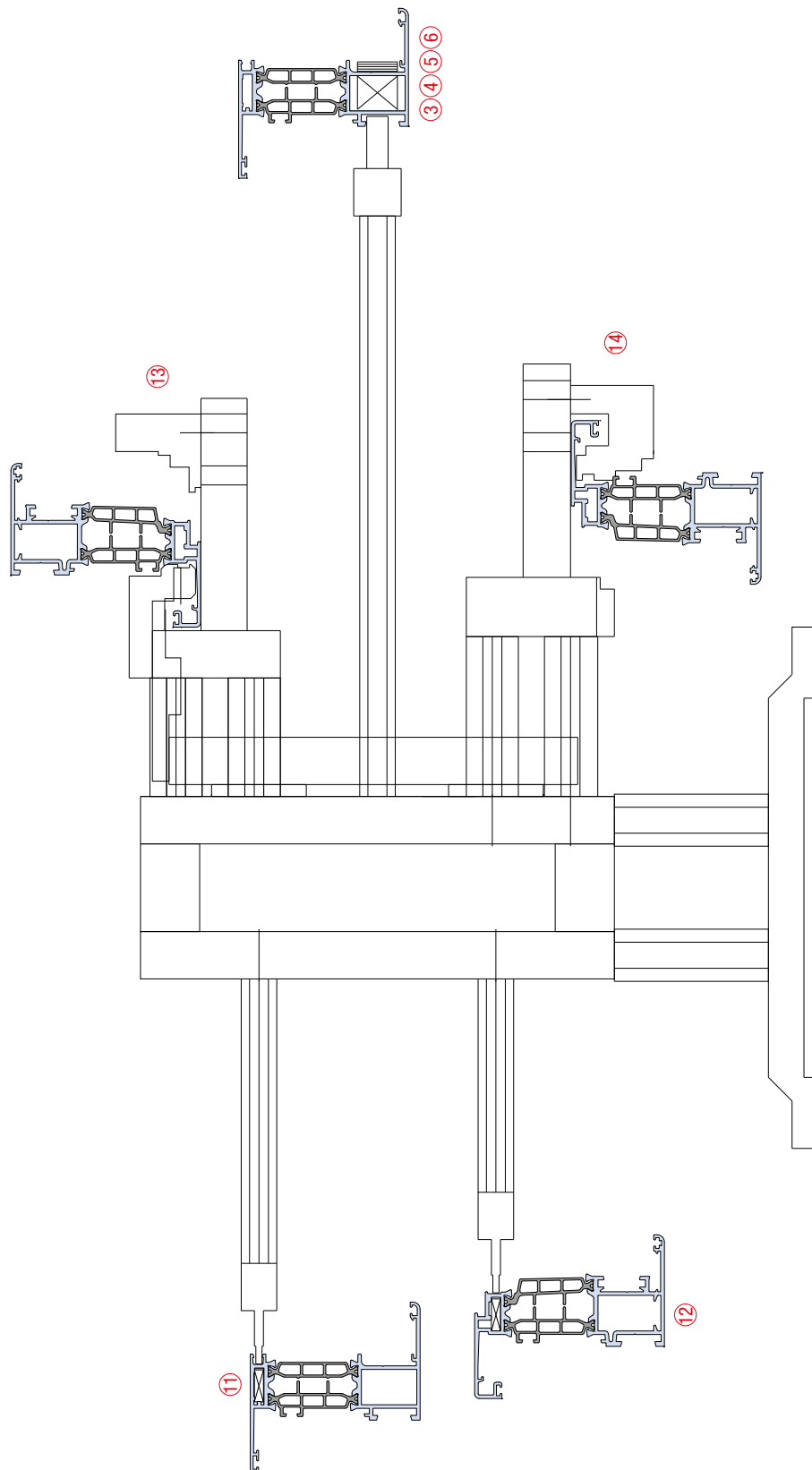
Kit controsagome per troncatrici (escluso Emmegi)

*Shape Kit for Emmegi machine*

# MCT PL JOLLY

## Punzonatrice Planet MCT PL JOLLY

Planet MCT PL JOLLY punching machine



### Legenda:

- ③ Lav. Foro Ø10.5mm + asola 14X6mm per fissaggio squadretta / Ø10.5mm hole + 14X6mm slot machining for fixing bracket
- ④ Lav. Foro Ø10.5mm per fissaggio cavallotto / Ø10.5mm hole + machining for fixing clamp
- ⑤ Lav. Foro Ø8mm per fissaggio cavallotto / Ø8mm hole mach. for fixing clamp
- ⑥ Lav. Foro Ø8mm per fissaggio squadretta multifunzionale / Ø8mm hole mach. for fixing multi-purpose bracket
- ⑪ Foro Ø3mm per spina ACP 5030 squadretta ACP 50153, ACP 50154 / Ø3mm hole for pin ACP 5030 bracket ACP 50153, ACP 50154
- ⑫ Foro Ø4mm per vite ACP 50155 squadretta ACP 50153, ACP 50154 / Ø4mm hole for screw ACP 50155 bracket ACP 50153, ACP 50154
- ⑬ Asola interna per areazione anta / internal slot for leaf ventilation
- ⑭ Asola esterna per areazione anta / external slot for leaf ventilation

## MCT PL 14460

Punzonatrice completa MCT PL 14460

*Milling machine MCT PL 14460*

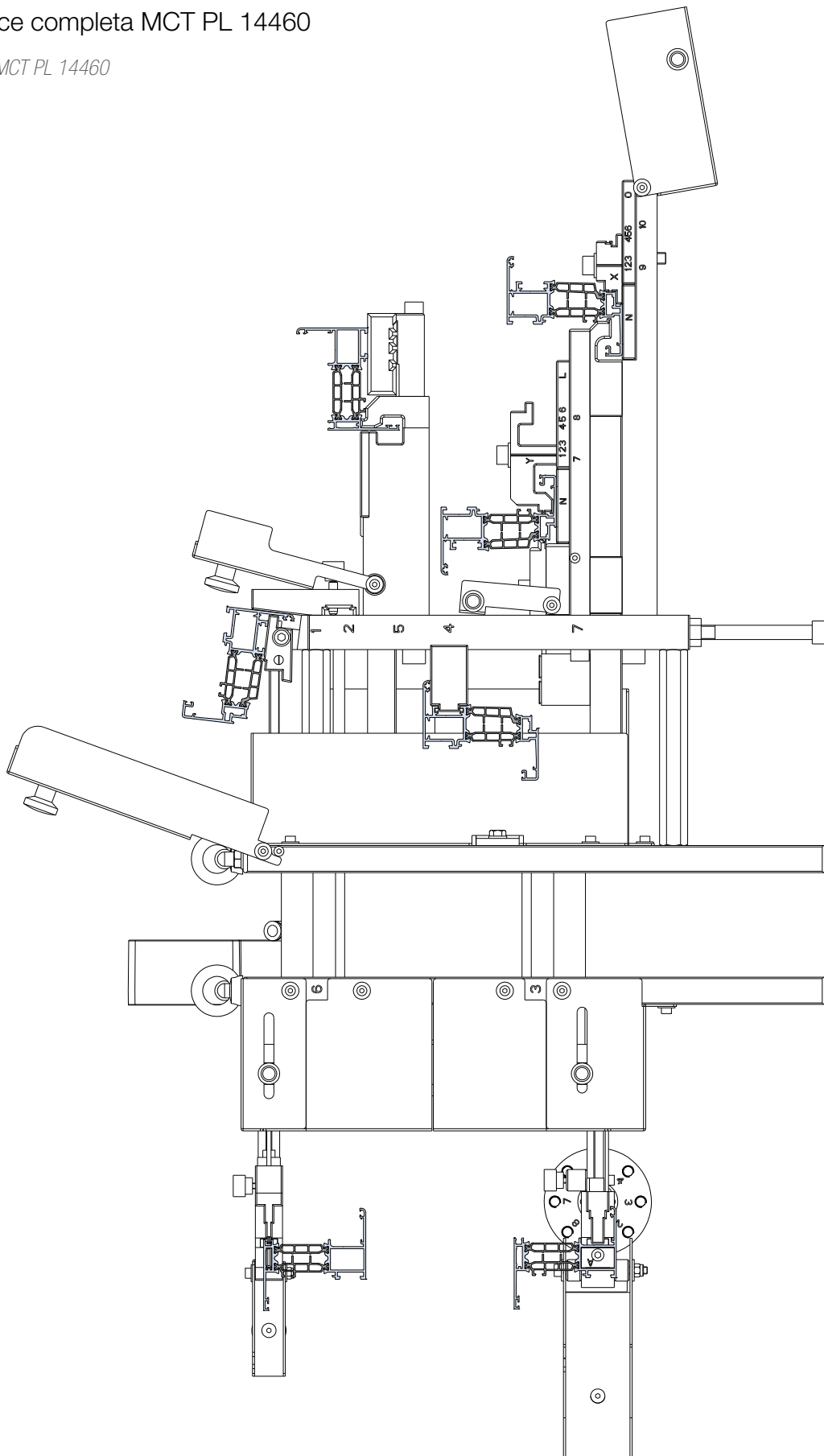




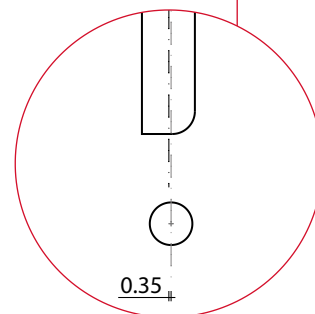
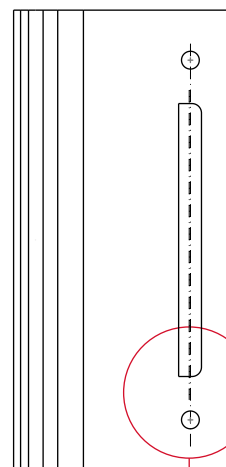
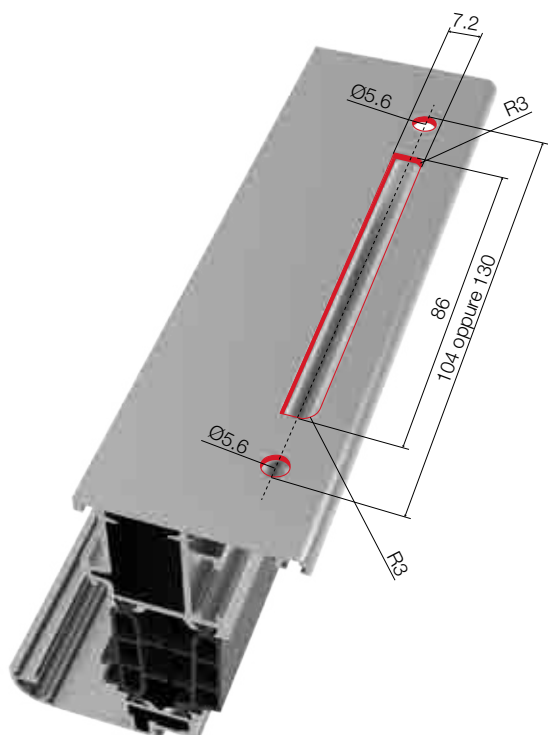
	Immagine lavorazione	Descrizione lavorazione	Lavorazione con punzonatrice MCT PL JOLLY	Lavorazione con punzonatrice MCT PL 14460
1		Asola e fori bloccaggio cremonese interasse 104mm oppure 130mm <i>slot and holes locking cremonese bolt centre distance 104mm or 130mm</i>	no	si
2		Foro astina di testa 8mm oppure passante <i>hole for head rod 8mm or passing</i>	no	si
3		Foro Ø10.5mm per aggancio e asola 14x6 per chiave squadretta a pulsante <i>Ø10.5mm hole for fastening and 14x6 slot for push-button bracket key</i>	si	si
4		Foro Ø10.5mm per fissaggio cavallotto <i>Ø10.5mm hole for fixing clamp</i>	si	si
5		Foro Ø8mm per fissaggio cavallotto <i>Ø8mm hole for fixing clamp</i>	si	si
6		Foro Ø8mm per spina o vite squadretta multifunzione <i>Ø8mm hole for pin or screw multi-purpose bracket</i>	si	si

	Immagine lavorazione	Descrizione lavorazione	Lavorazione con punzonatrice MCT PL JOLLY	Lavorazione con punzonatrice MCT PL 14460
7		Scarico acqua 31x6 <i>31x6 water drainage</i>	no	si
8		Spuntatura alette passaggio astina <i>Trimming of rod passage fins</i>	no	si
9		Foro Ø3mm per spina ACP 5030 squadretta ACP 50153, ACP 50154 <i>Ø3mm hole for pin ACP 50153, ACP 50154</i>	si	si
10		Foro Ø4mm per vite ACP 50155 squadretta ACP 50153, ACP 50154 <i>Ø4mm hole for pin ACP 50153, ACP 50154</i>	si	si
11		Asola interna per areazione anta <i>Internal slot for leaf ventilation</i>	si	si
12		Asola esterna per areazione anta <i>External slot for leaf ventilation</i>	si	si

1 

Asola e fori bloccaggio cremonese interasse 104mm oppure 130mm

Slot and holes locking cremonese bolt centre distance 104mm or 130mm

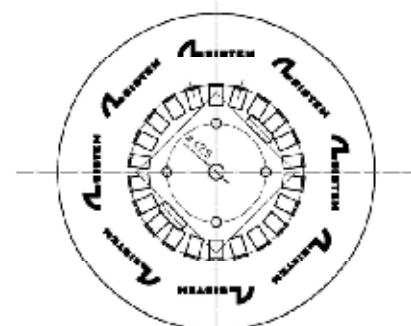
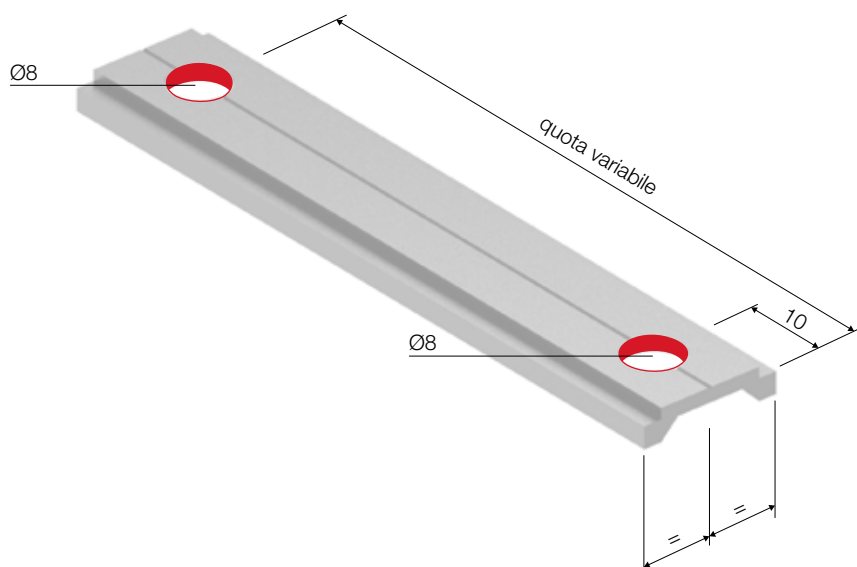


2 

Foro astina di testa 8mm oppure passante

Utilizza astina in alluminio AS 1000 oppure in poliammide in bobina TAC 1000

Hole or head rod 8mm or passing. Use aluminium rod AS 1000 or polyamide in TAC 1000 coil



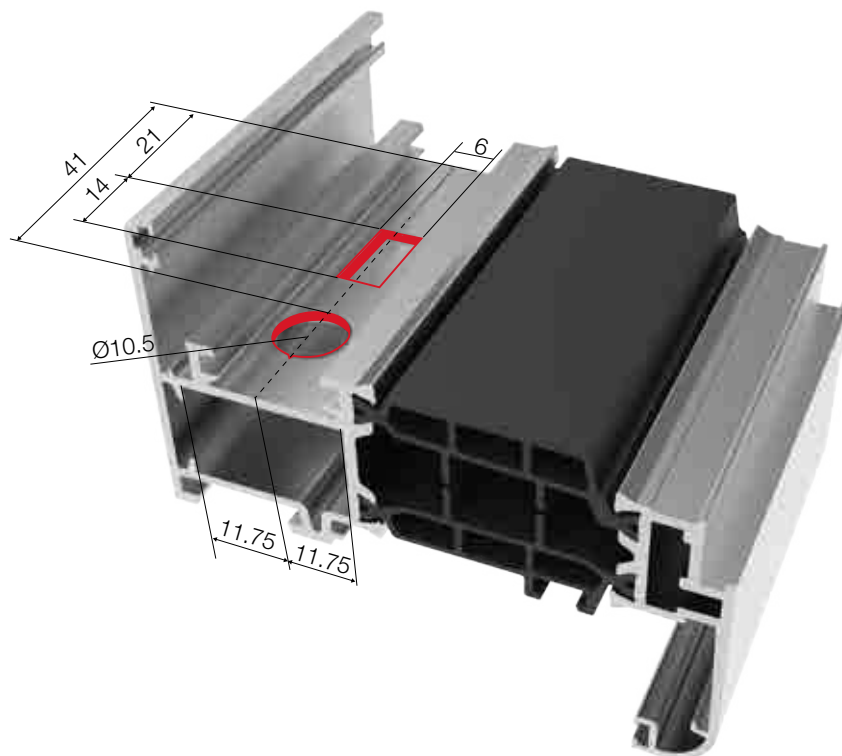
TAC 1000



3 

Foro Ø10.5mm per aggancio e asola 14x6 per chiave squadretta a pulsante

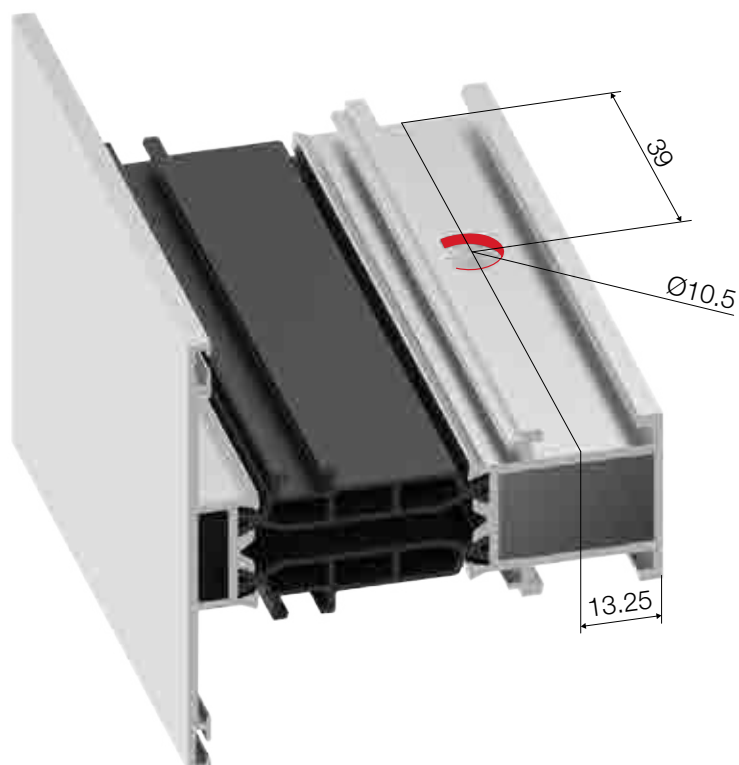
Ø10.5mm hole for fastening and 14X6 slot for push-button bracket key



4 

Foro Ø10.5mm per fissaggio cavallotto

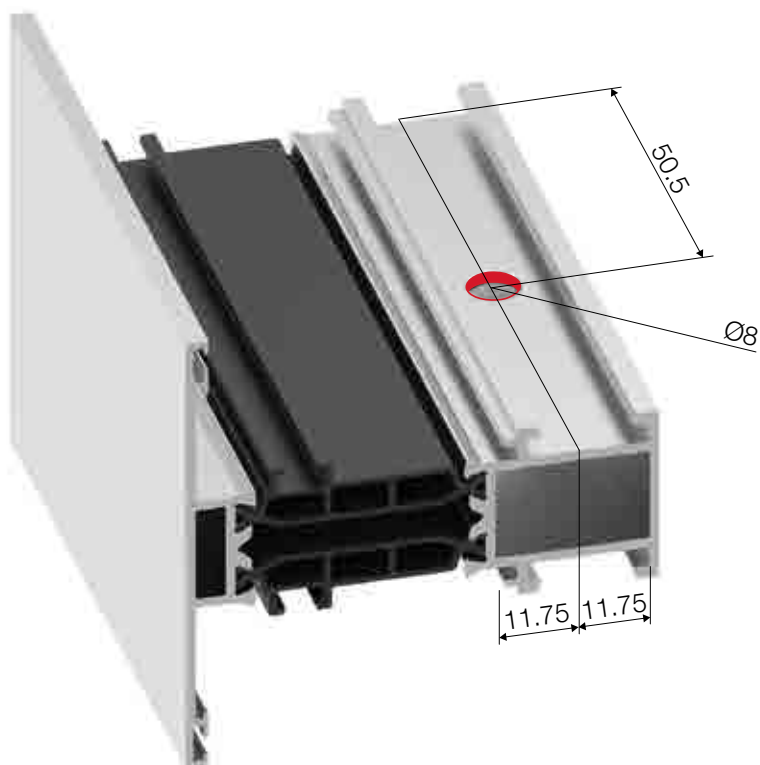
Ø10.5mm hole for fixing clamp



5 

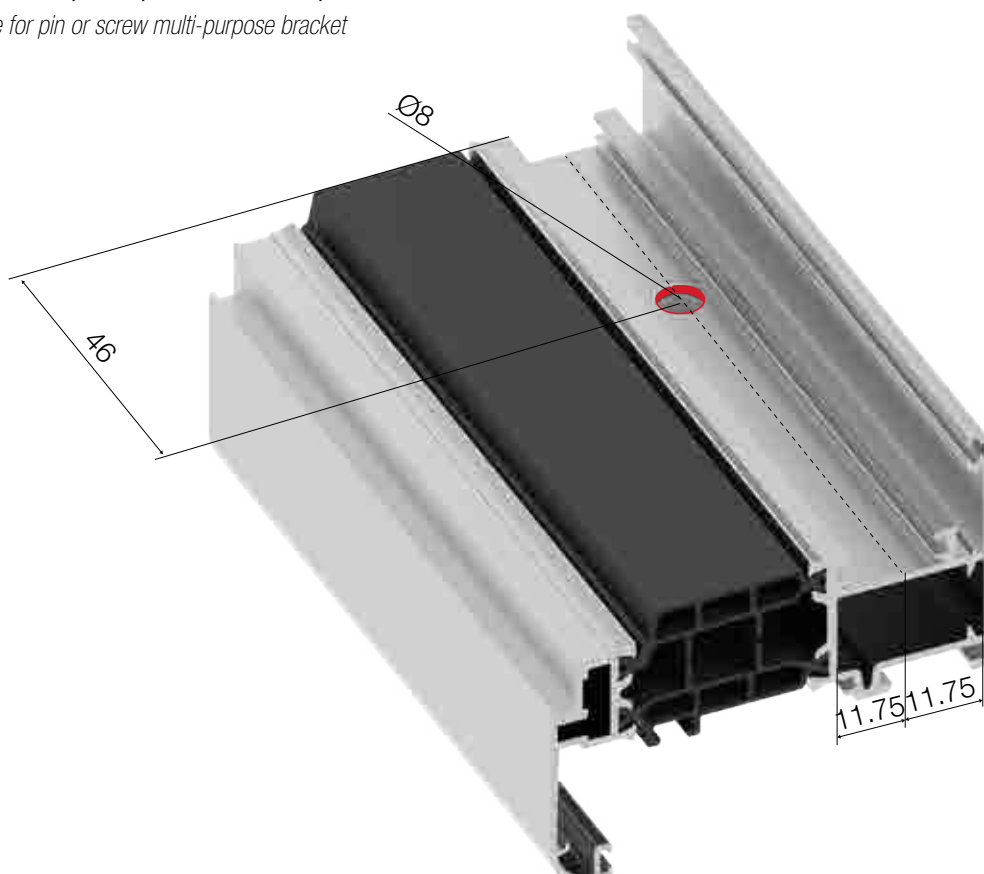
Foro Ø8mm per fissaggio cavallotto

Ø8mm hole for fixing clamp

6 

Foro Ø8mm per spina o vite squadretta multifunzione

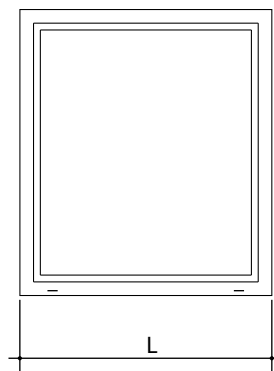
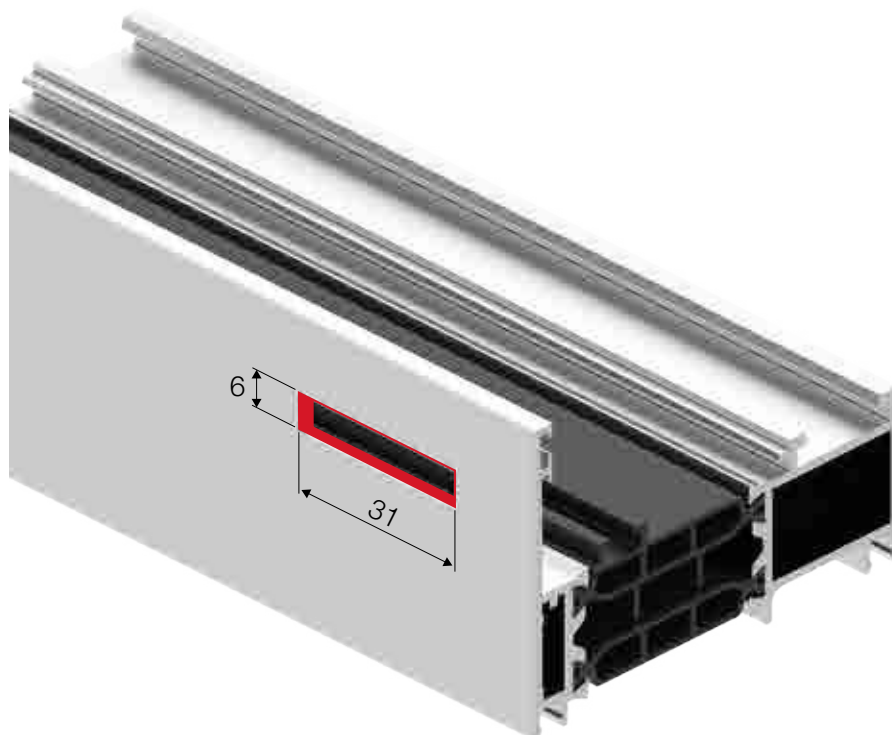
Ø8mm hole for pin or screw multi-purpose bracket





## Scarico acqua 31X6

31X6 water drainage



DIMENSIONI L	Q.TA' DRENAGGI
fino a 1000	3
da 1000 a 1500	4
oltre 1500	min. 6 / 1 ogni 400mm



## Spuntatura alette passaggio astina

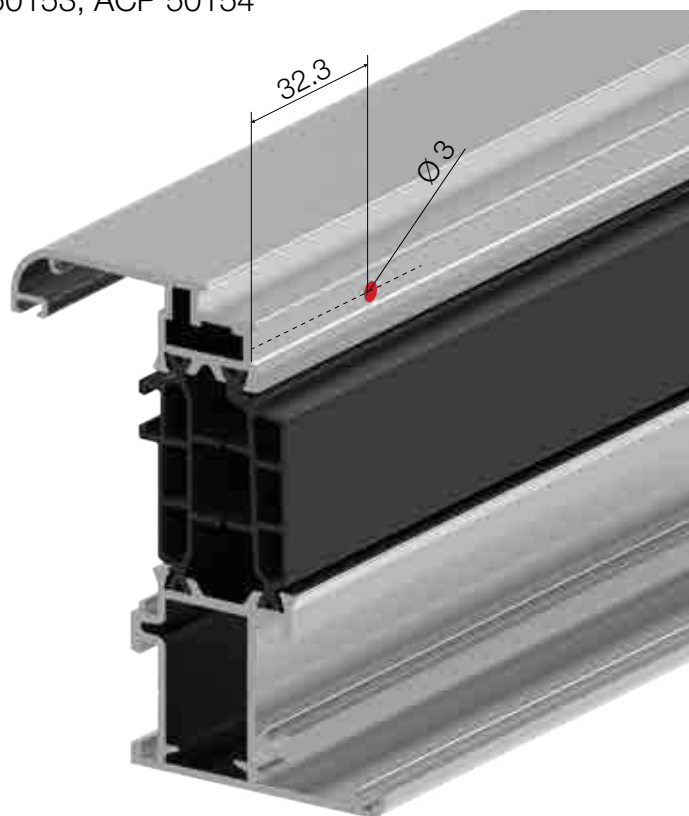
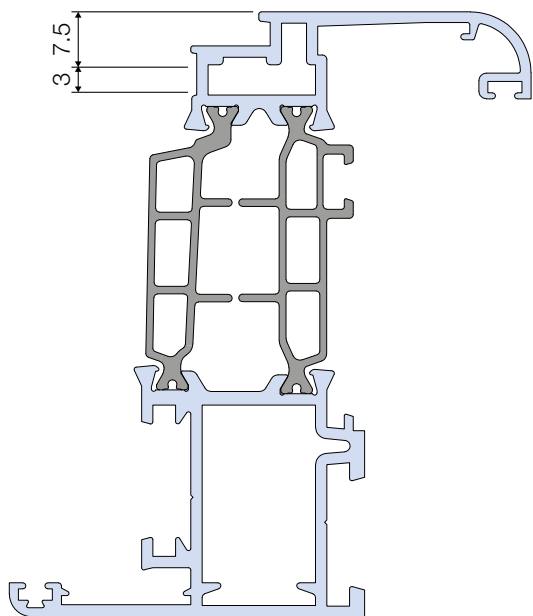
Trimming of rod passage fins



9 

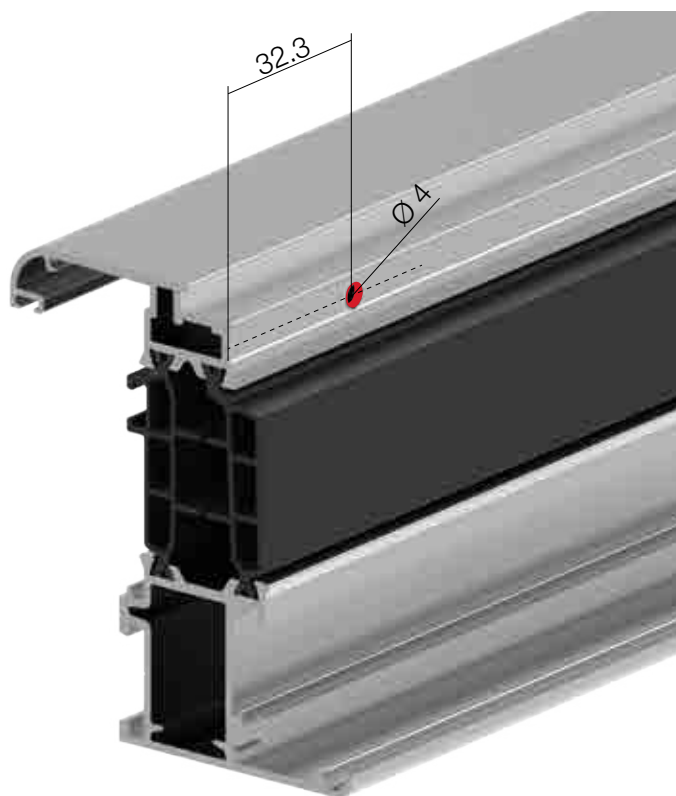
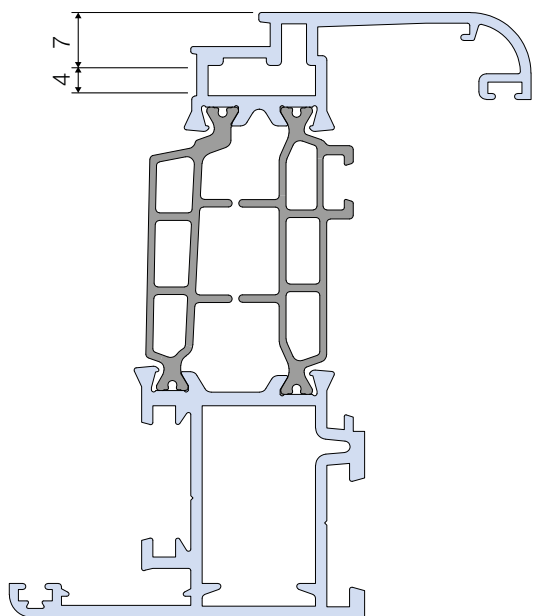
Foro Ø3mm per spina ACP 5030 squadretta ACP 50153, ACP 50154

Ø3mm hole for pin ACP 50153, ACP 50154

10 

Foro Ø4mm per vite ACP 50155 squadretta ACP 50153, ACP 50154

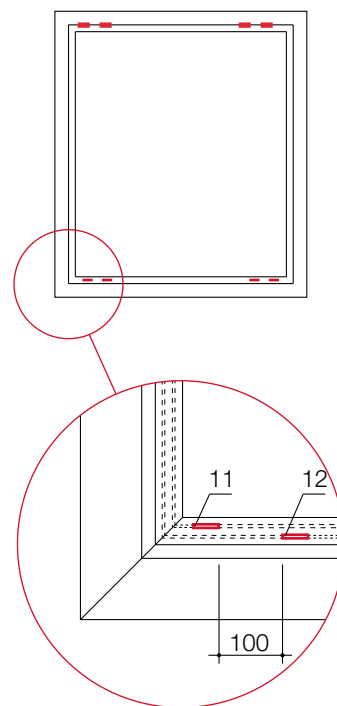
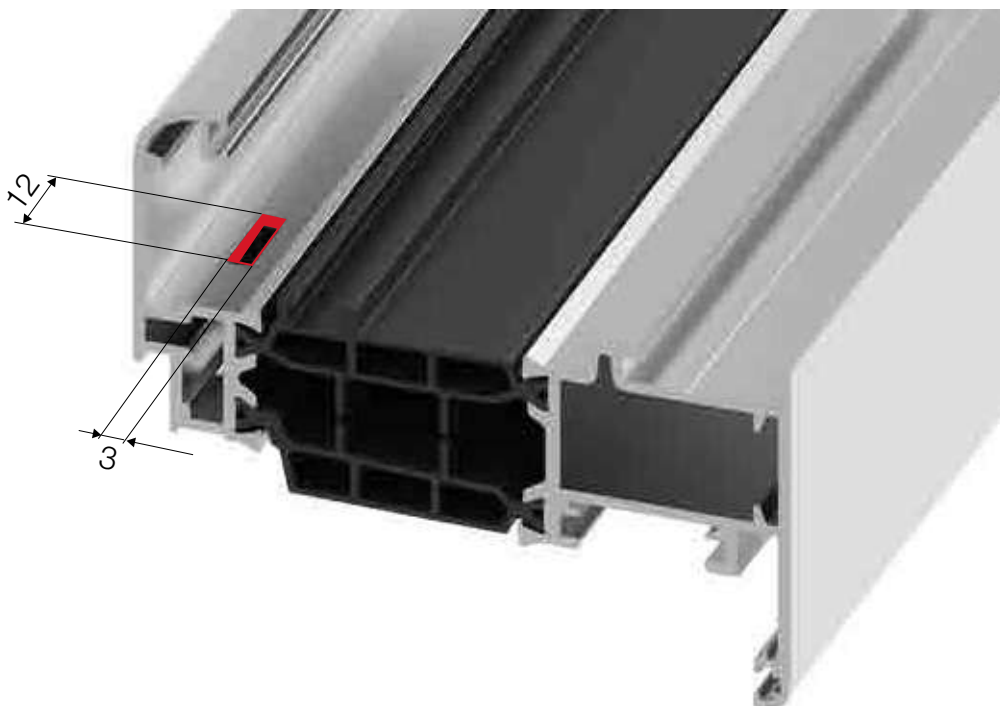
Ø4mm hole for pin ACP 50153, ACP 50154



## 11

Asola interna per areazione anta

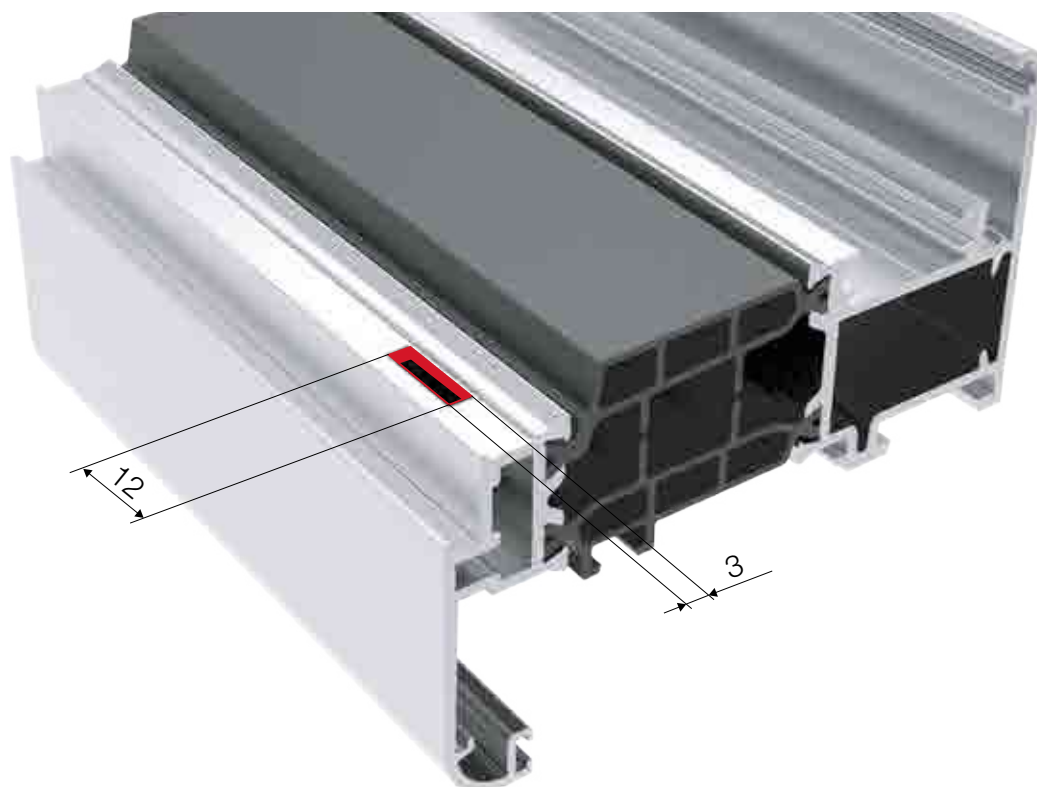
*Internal slot for leaf ventilation*



## 12

Asola esterna per areazione anta

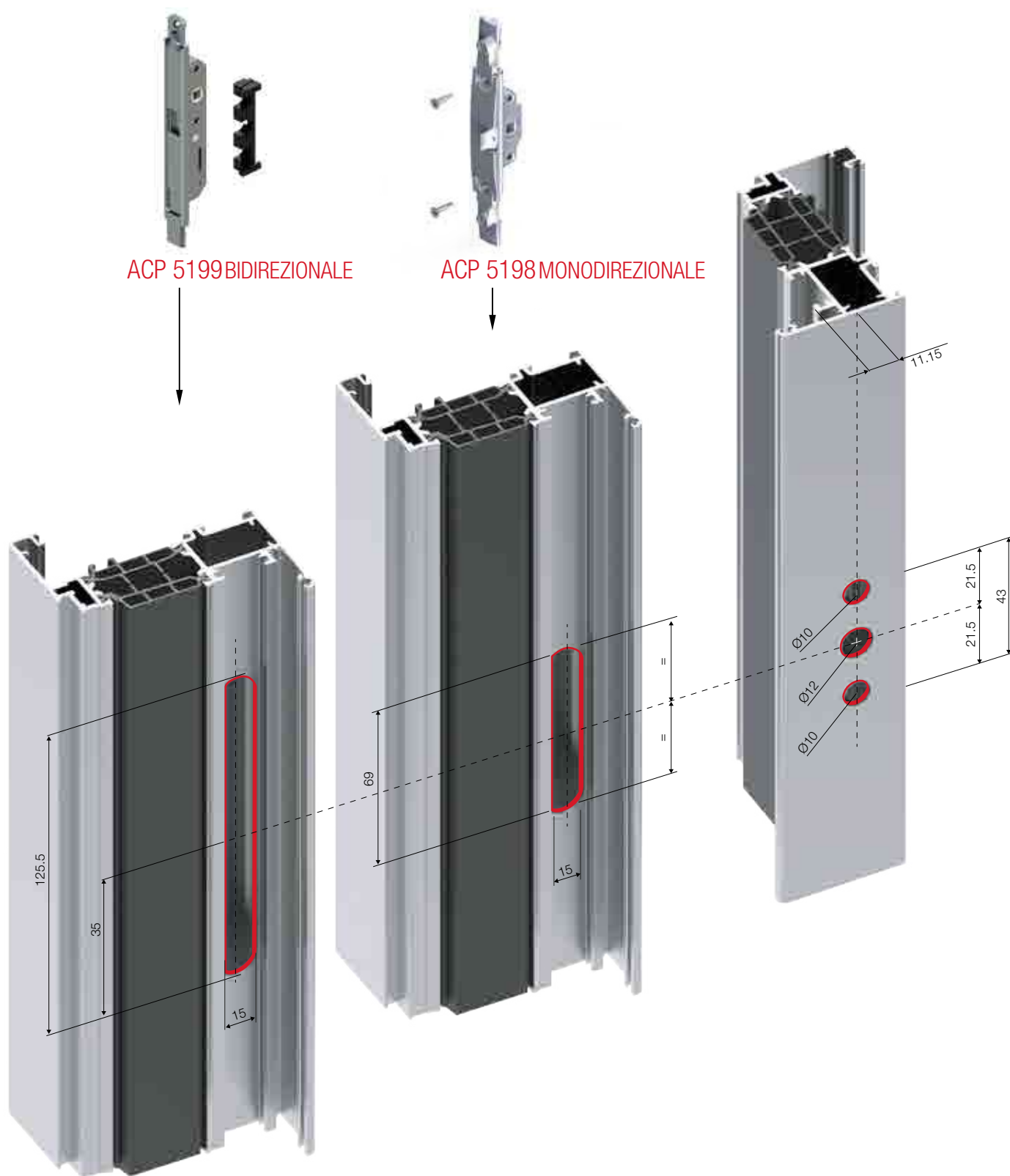
*External slot for leaf ventilation*



# 13

## Lavorazione montaggio meccanismo martellina ACP 5198 e ACP 5199N

Machining of Martellina mechanism assembly ACP 5198 and ACP 5199N

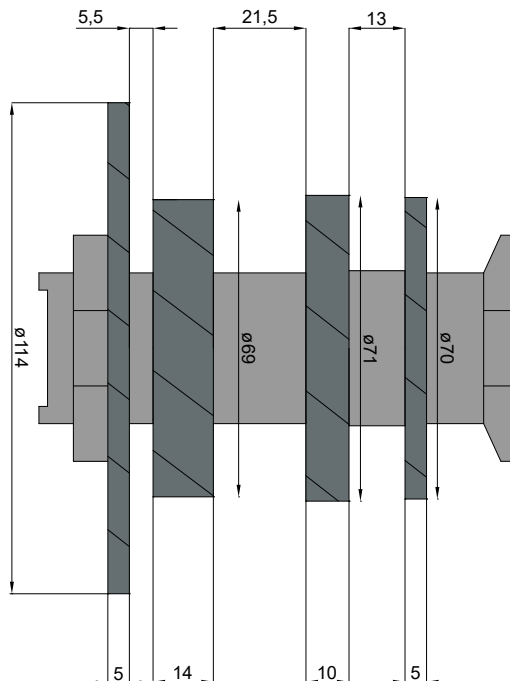
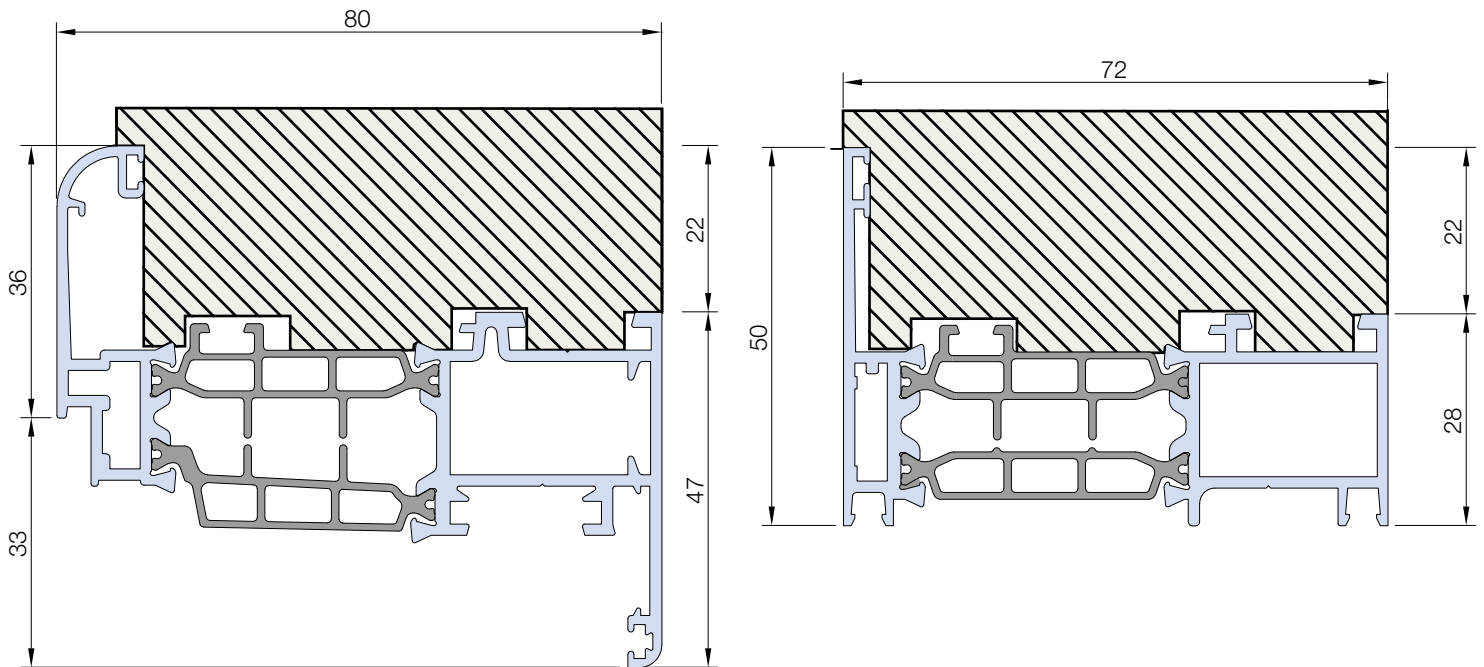


14 a 

Gruppo frese MCT PL 44 PT.

Questo gruppo frese lavora profili della serie Planet 72 UP

*This cutting machines works profiles of Planet 72 UP series*

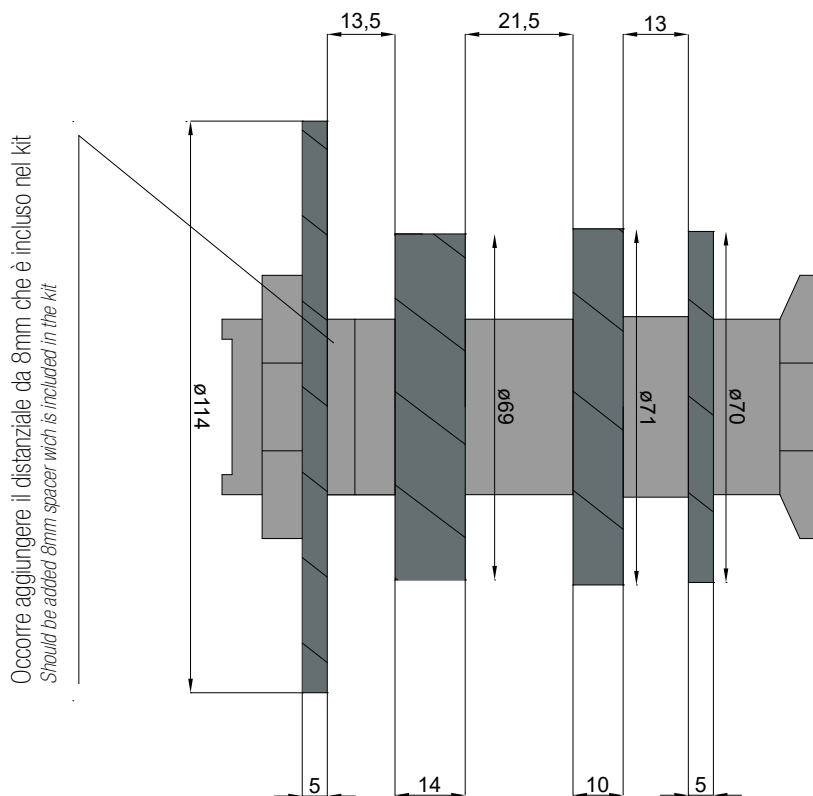
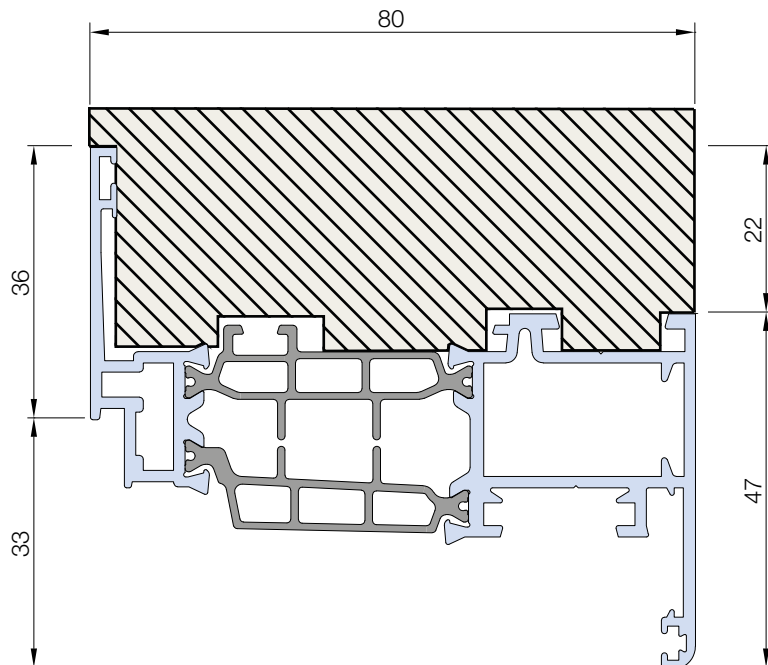


# 14 b

## Gruppo frese MCT PL 44 PT.

Questo gruppo frese lavora profili della serie Planet 72 UP da 80mm

*This cutting machines works profiles of Planet 72 UP series, 80mm*





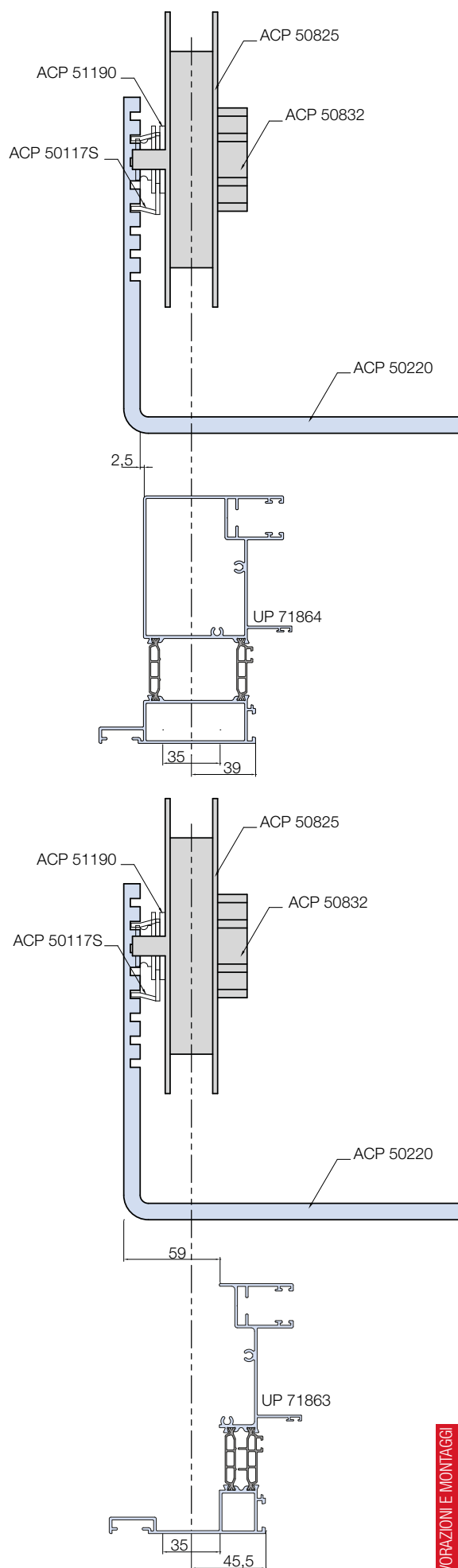
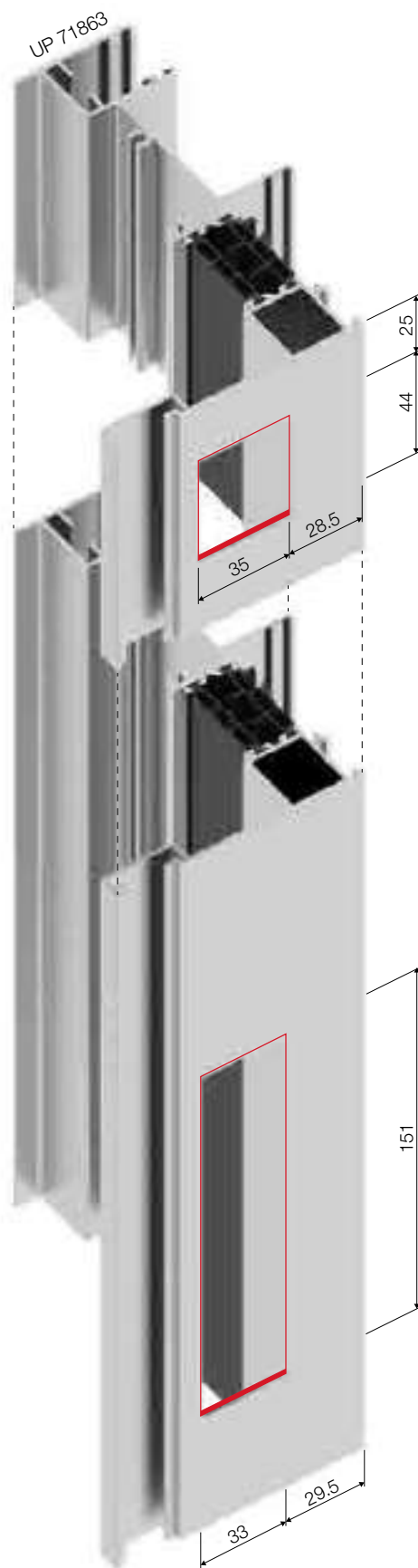
## 15

### Lavorazione spalla monoblocco

*Machining of single-unit shoulder*

montaggio passacinghia ▶  
*assembly of belt guide*  
ACP 51001

montaggio avvolgitore ▶  
*assembly of winder*  
ACP 50010  
ACP 50705

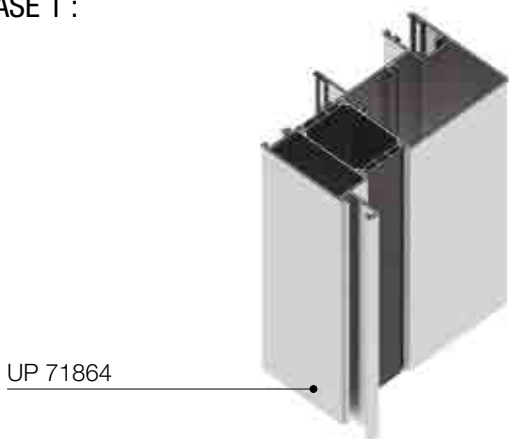


# 16

## Istruzioni per taglio profili e fasi di assemblaggio cassonetto

Instructions for cutting profiles and box assembly steps

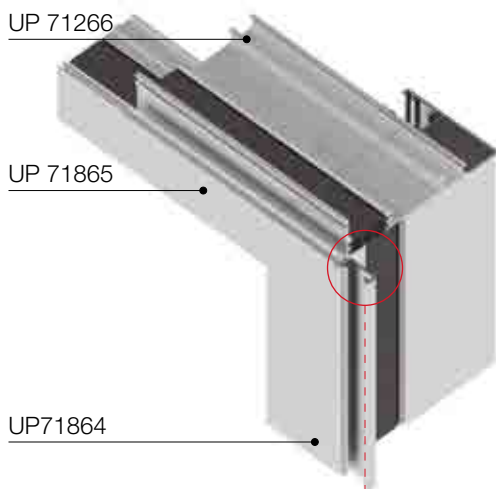
FASE 1 :



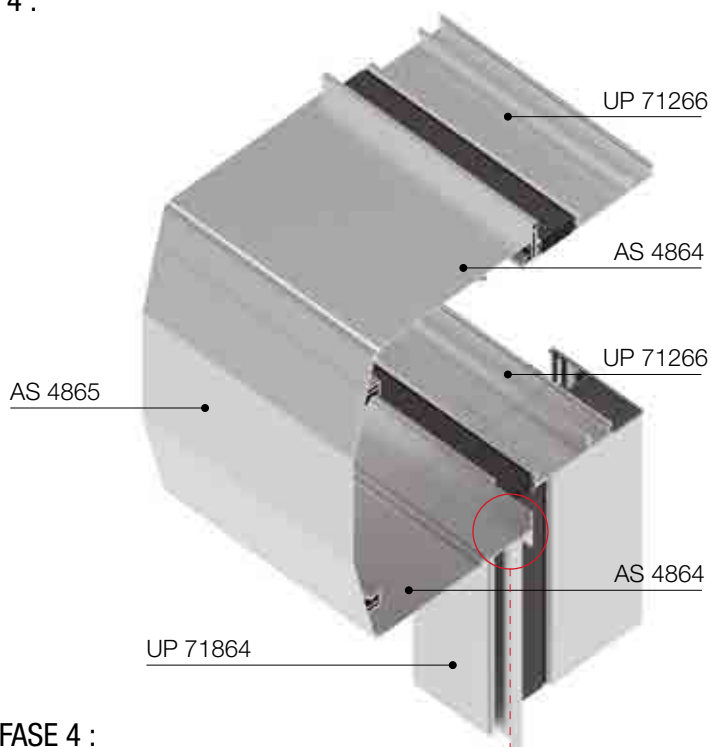
FASE 2 :



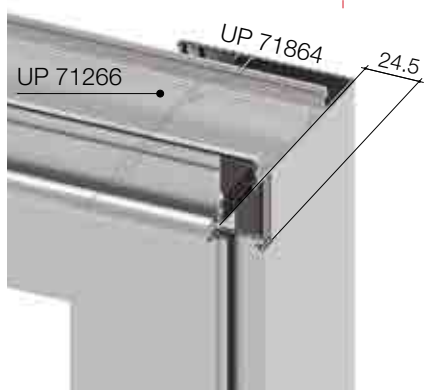
FASE 3 :



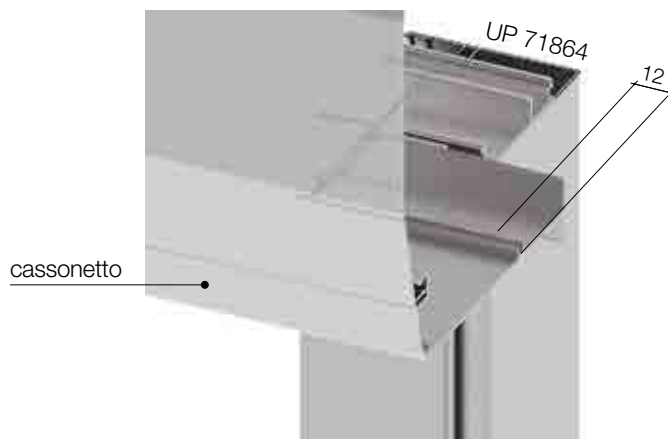
FASE 4 :



vista FASE 3 :



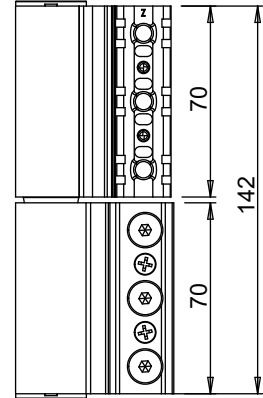
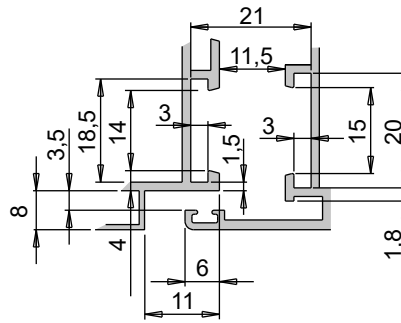
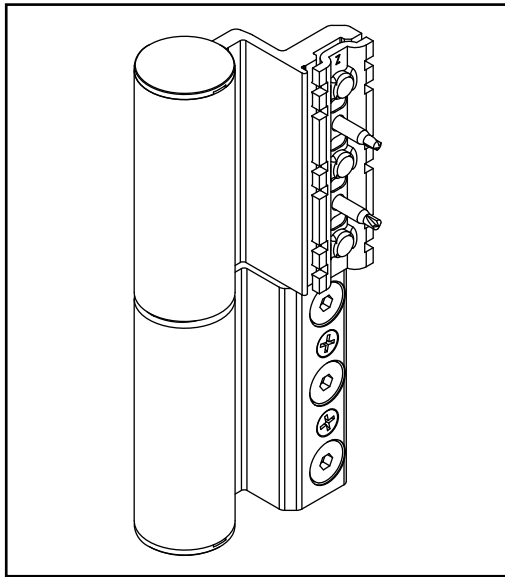
vista FASE 4 :



## 17

Applicazione cerniere Strong EVO, ACP 9938N per telai complanari interni

Application strong EVO hinge ACP 9938N for internal coplanar frames



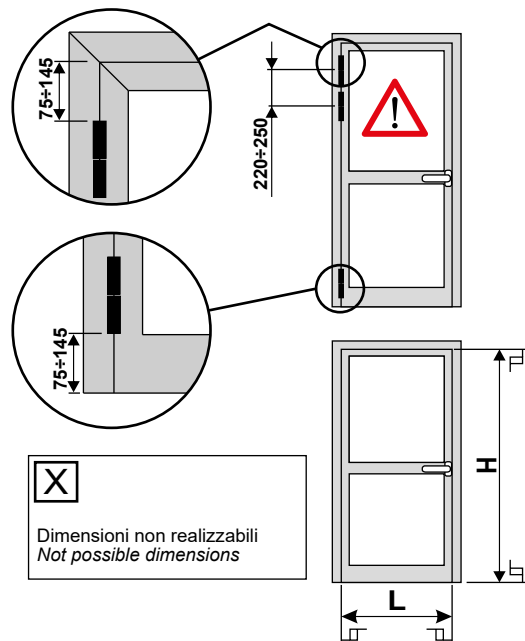
<b>CE</b>		Alsistem s.c.r.l. Via Monte Rosa (angolo via Clerici) 21040 - Gerenzano (VA) Italy	20
1309	CPR-0437		
EN1935:2002		3	7 4 0 1 4 0 11

PORTATE MASSIME - MAXIMUM LOADS			
	100 kg		120 kg
	100 kg		* 70 kg

\* CON FRENO IN APERTURA - WITH BACK-CHECK FACILITY

GRAFICO PER IL CALCOLO DEL PESO MASSIMO EFFETTIVO DELL'ANTA  
CHART FOR CALCULATING THE ACTUAL MAX. SASH WEIGHT

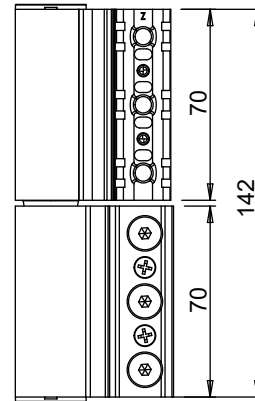
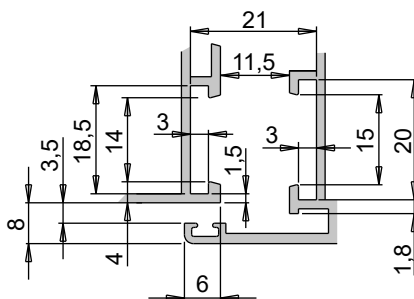
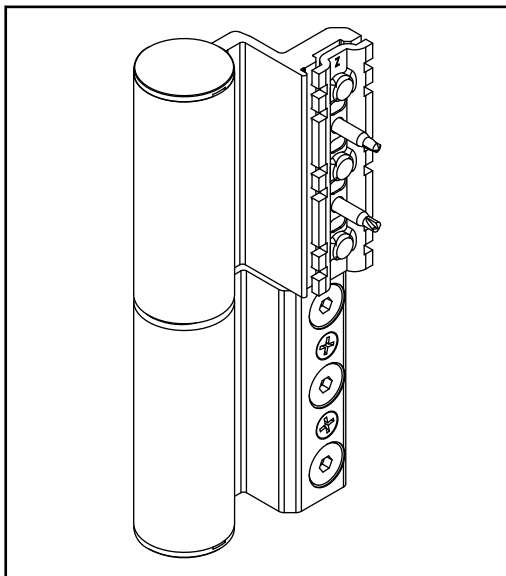
H Altezza anta (mm) - Wing height (mm)	3000	1	1	1	1	1	1	1	1	1	1	1	1	1	0,93	0,84	0,76						
	2900	1	1	1	1	1	1	1	1	1	1	1	1	1	0,88	0,80	0,74						
	2800	1	1	1	1	1	1	1	1	1	1	1	1	1	0,93	0,83	0,76	0,71					
	2700	1	1	1	1	1	1	1	1	1	1	1	1	1	0,88	0,79	0,72	0,68					
	2600	1	1	1	1	1	1	1	1	1	1	1	1	1	0,93	0,83	0,75	0,69	0,65				
	2500	1	1	1	1	1	1	1	1	1	1	1	1	1	0,87	0,78	0,71	0,67	0,63				
	2400	1	1	1	1	1	1	1	1	1	1	1	1	1	0,93	0,81	0,74	0,68	0,64	0,61			
	2300	1	1	1	1	1	1	1	1	1	1	1	1	1	0,85	0,76	0,70	0,65	0,61	0,59			
	2200	1	1	1	1	1	1	1	1	1	1	1	1	1	0,91	0,80	0,72	0,67	0,63	0,59	0,57		
	2100	1	1	1	1	1	1	1	1	1	1	1	1	1	0,85	0,75	0,68	0,64	0,60	0,57	0,55		
	2000	1	1	1	1	1	1	1	1	1	1	1	1	1	0,91	0,79	0,71	0,65	0,61	0,58	0,55	0,53	
	1900	1	1	1	1	1	1	1	1	1	1	1	1	1	0,83	0,73	0,67	0,62	0,58	0,56	0,53	0,52	
	1800	1	1	1	1	1	1	1	1	1	1	1	1	1	0,90	0,77	0,69	0,63	0,59	0,56	0,54	0,52	X
1700	1	1	1	1	1	1	1	1	1	1	1	1	1	0,82	0,71	0,65	0,60	0,57	0,54	0,52	X	X	
1600	1	1	1	1	1	1	1	1	1	1	1	1	1	0,89	0,75	0,67	0,61	0,57	0,54	0,52	X	X	X
1500	1	1	1	1	1	1	1	1	1	1	1	1	1	0,80	0,69	0,63	0,58	0,55	0,52	X	X	X	X
1400	1	1	1	1	1	1	1	1	1	1	1	1	1	0,88	0,73	0,64	0,59	0,55	0,52	X	X	X	X
1300	1	1	1	1	1	1	1	1	1	1	1	1	1	0,78	0,67	0,60	0,56	0,52	X	X	X	X	X
1200	1	1	1	1	1	1	1	1	1	1	1	1	1	0,78	0,67	0,60	0,56	0,52	X	X	X	X	X
	L Larghezza anta (mm) - Wing width (mm)	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800									



# 18

## Applicazione cerniere Strong EVO, ACP 9918N per telai piani

ACP 9918N Strong EVO hinge assembly for flat frames



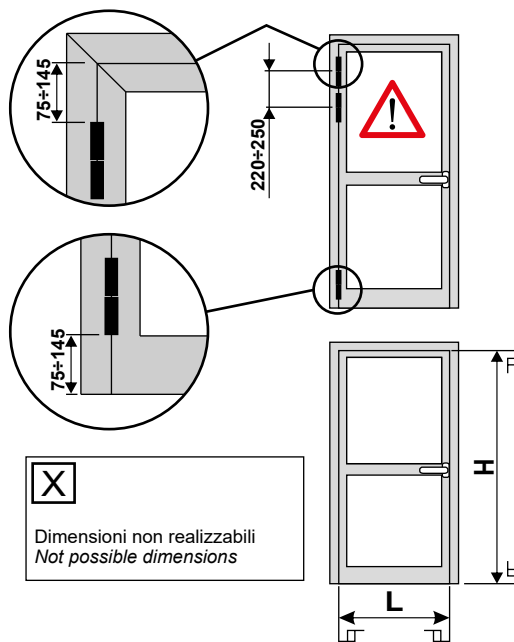
<b>CE</b>	Alsistem s.c.r.l. Via Monte Rosa (angolo via Clerici) 21040 - Gerenzano (VA) Italy	20
	1309   CPR-0438 EN1935:2002	

PORTATE MASSIME - MAXIMUM LOADS	
120 kg	150 kg
120 kg	* 80 kg

\* CON FRENO IN APERTURA - WITH BACK-CHECK FACILITY

GRAFICO PER IL CALCOLO DEL PESO MASSIMO EFFETTIVO DELL'ANTA  
CHART FOR CALCULATING THE ACTUAL MAX. SASH WEIGHT

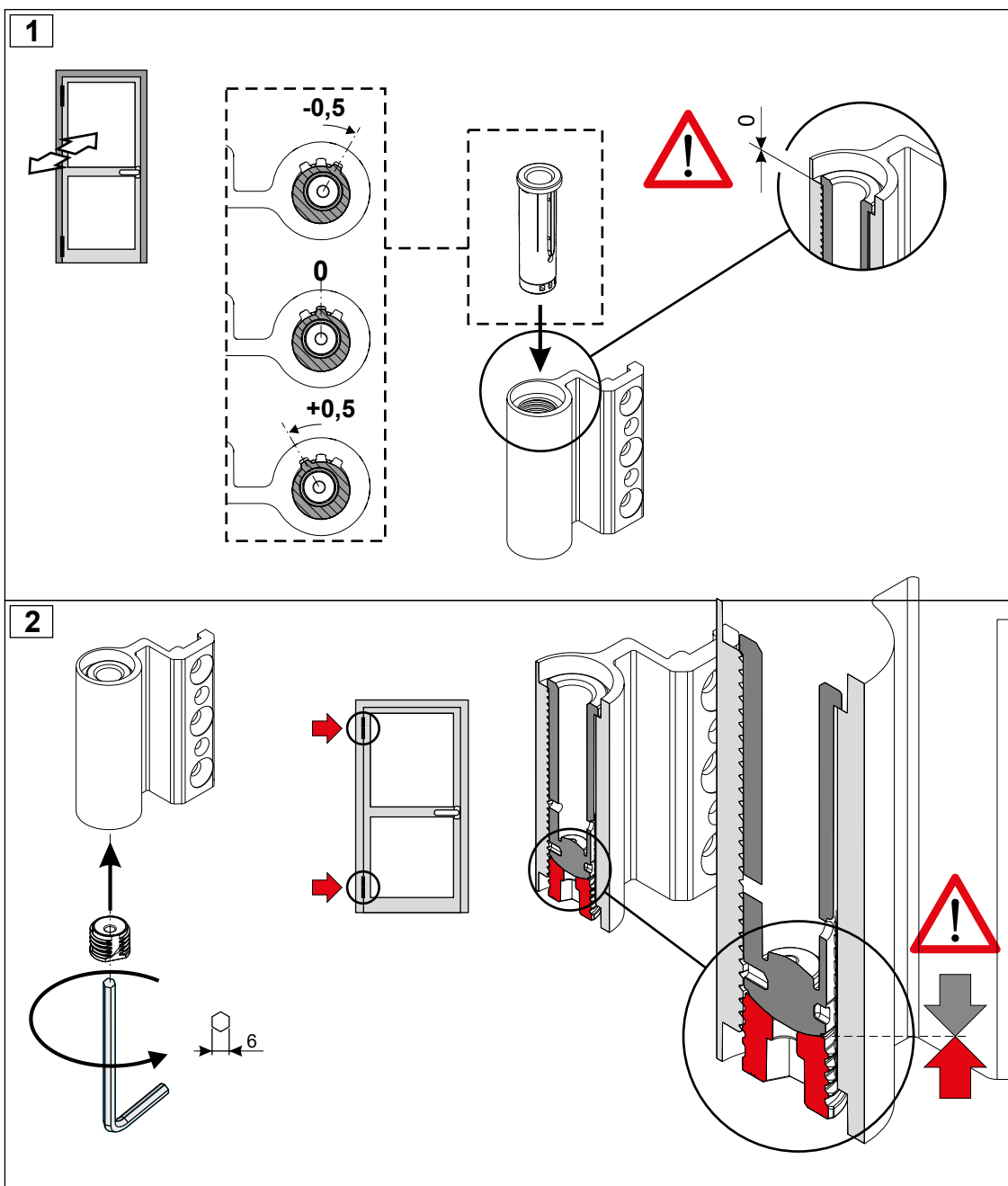
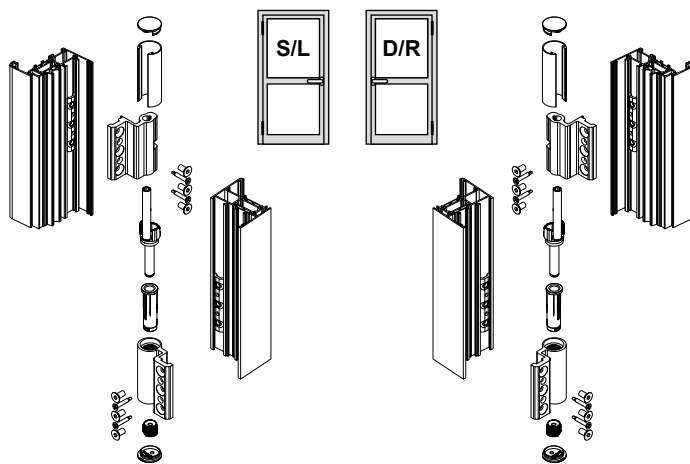
3000	1	1	1	1	1	1	1	1	1	0,93	0,84	0,76
2900	1	1	1	1	1	1	1	1	1	0,88	0,80	0,74
2800	1	1	1	1	1	1	1	1	0,93	0,83	0,76	0,71
2700	1	1	1	1	1	1	1	1	0,88	0,79	0,72	0,68
2600	1	1	1	1	1	1	1	0,93	0,83	0,75	0,69	0,65
2500	1	1	1	1	1	1	1	0,87	0,78	0,71	0,67	0,63
2400	1	1	1	1	1	1	0,93	0,81	0,74	0,68	0,64	0,61
2300	1	1	1	1	1	0,85	0,76	0,70	0,65	0,61	0,59	
2200	1	1	1	1	0,91	0,80	0,72	0,67	0,63	0,59	0,57	
2100	1	1	1	1	0,85	0,75	0,68	0,64	0,60	0,57	0,55	
2000	1	1	1	0,91	0,79	0,71	0,65	0,61	0,58	0,55	0,53	
1900	1	1	1	0,83	0,73	0,67	0,62	0,58	0,56	0,53	0,52	
1800	1	1	1	0,90	0,77	0,69	0,63	0,59	0,56	0,54	0,52	X
1700	1	1	1	0,82	0,71	0,65	0,60	0,57	0,54	0,52	X	X
1600	1	1	0,89	0,75	0,67	0,61	0,57	0,54	0,52	X	X	X
1500	1	1	0,80	0,69	0,63	0,58	0,55	0,52	X	X	X	X
1400	1	0,88	0,73	0,64	0,59	0,55	0,52	X	X	X	X	X
1300	1	0,78	0,67	0,60	0,56	0,52	X	X	X	X	X	X
1200	1	0,78	0,67	0,60	0,56	0,52	X	X	X	X	X	X



## 19

### Montaggio cerniere Strong EVO, ACP 9918N, ACP 9938N

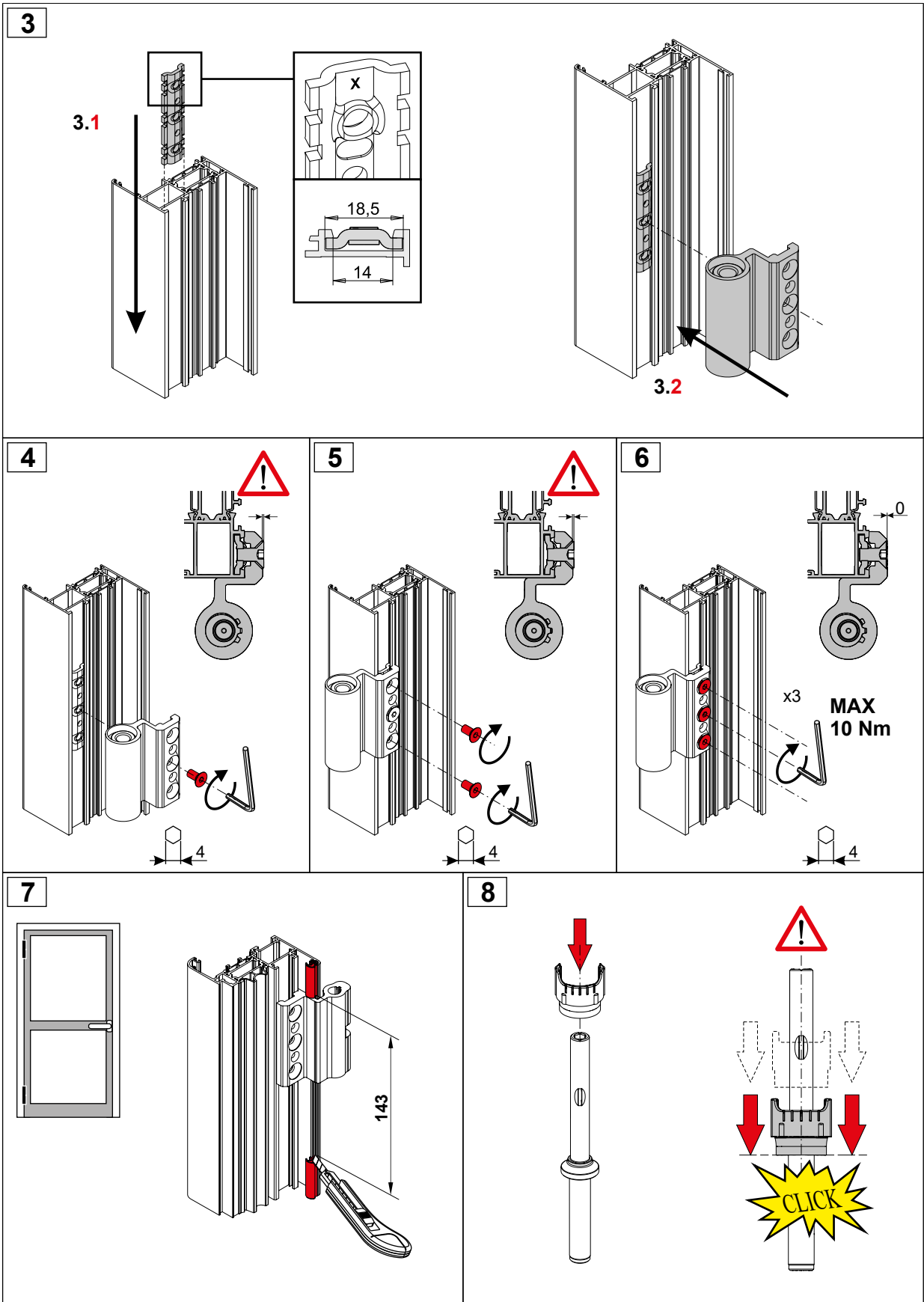
Strong EVO hinges assembly ACP 9918N, ACP 9938N



# 20

## Montaggio cerniere Strong EVO, ACP 9918N, ACP 9938N

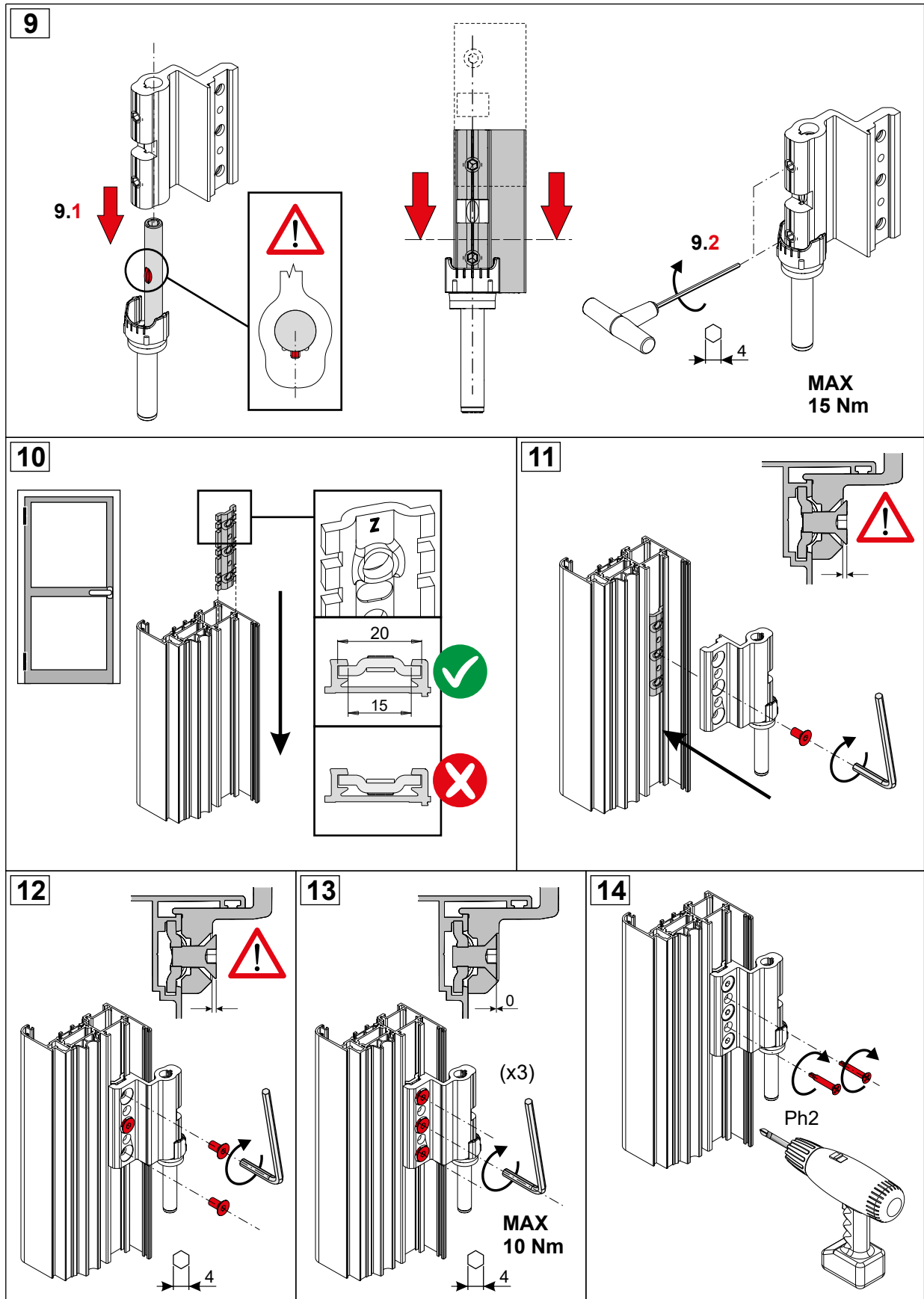
Strong EVO hinges assembly ACP 9918N, ACP 9938N



## 21

### Montaggio cerniere Strong EVO, ACP 9918N, ACP 9938N

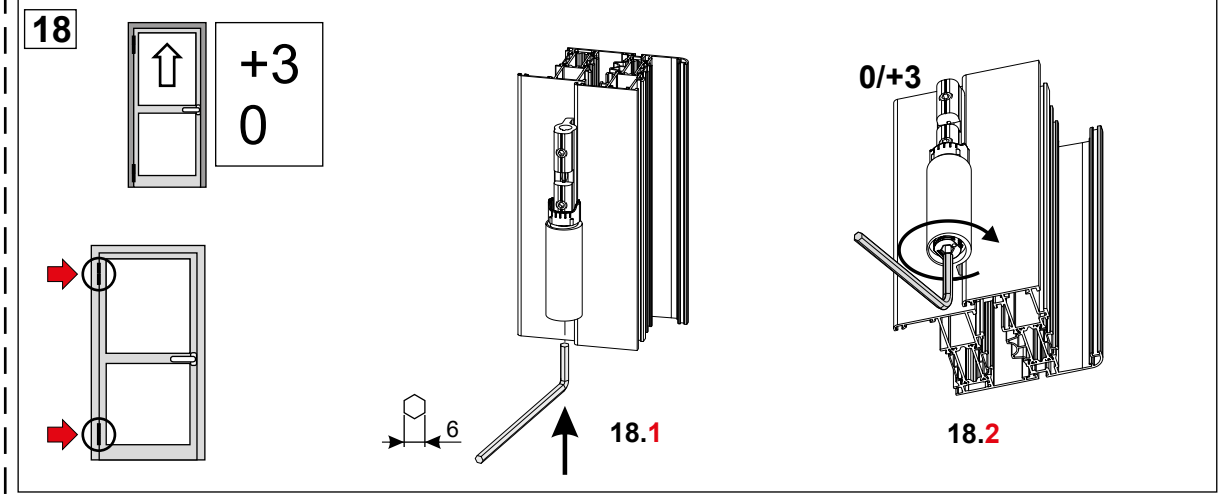
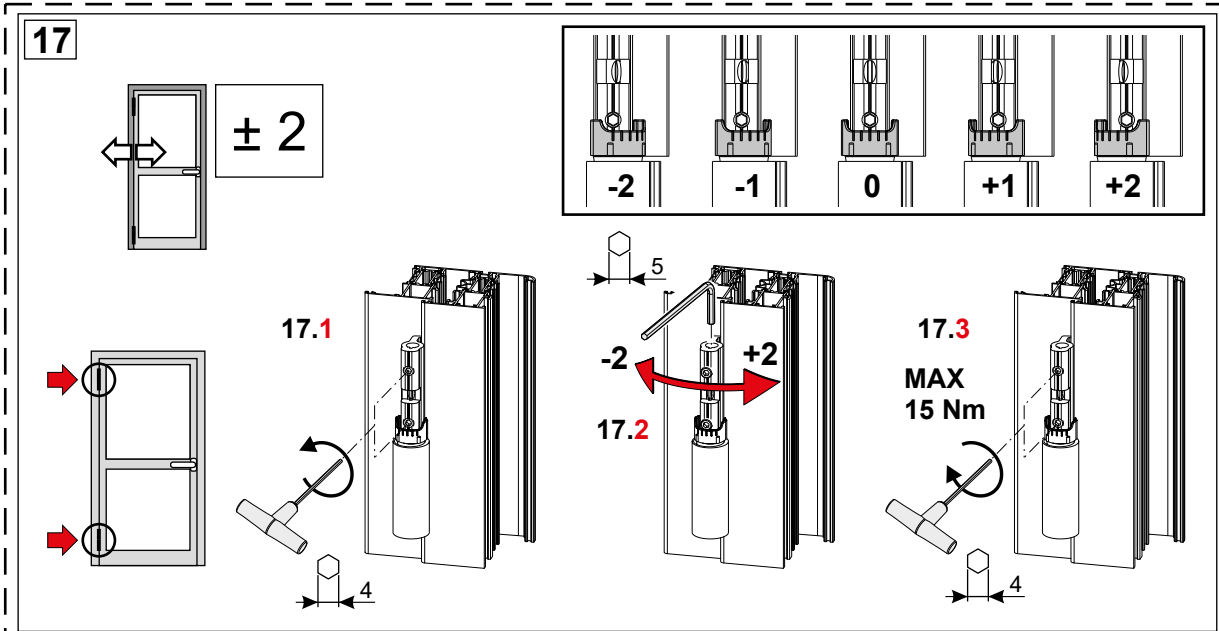
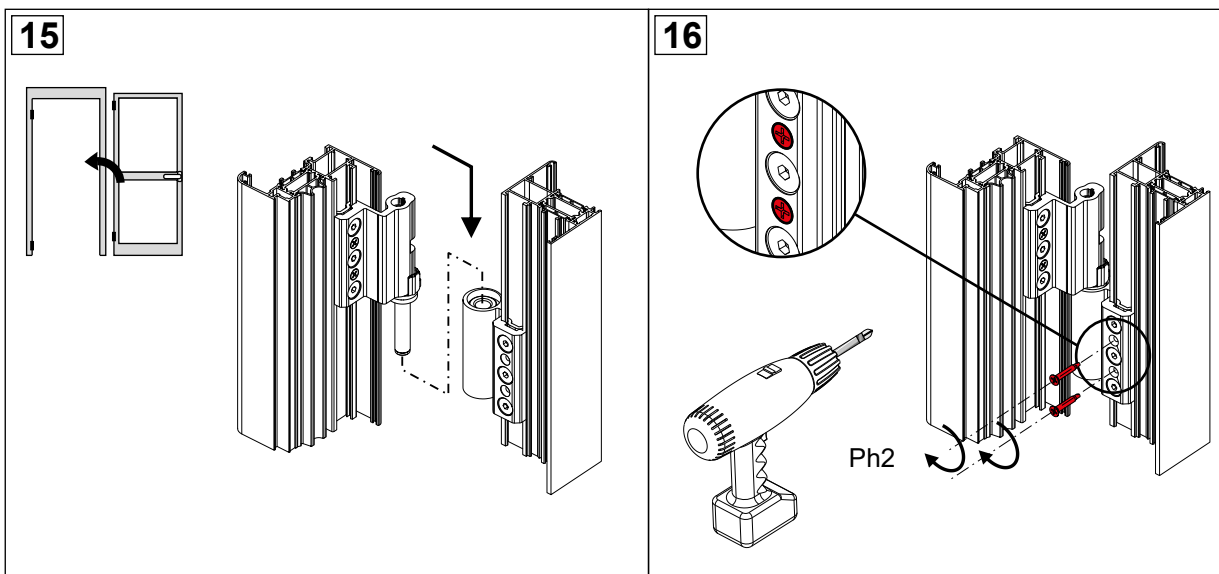
Strong EVO hinges assembly ACP 9918N, ACP 9938N



# 22

## Montaggio cerniere Strong EVO, ACP 9918N, ACP 9938N

Strong EVO hinges assembly ACP 9918N, ACP 9938N

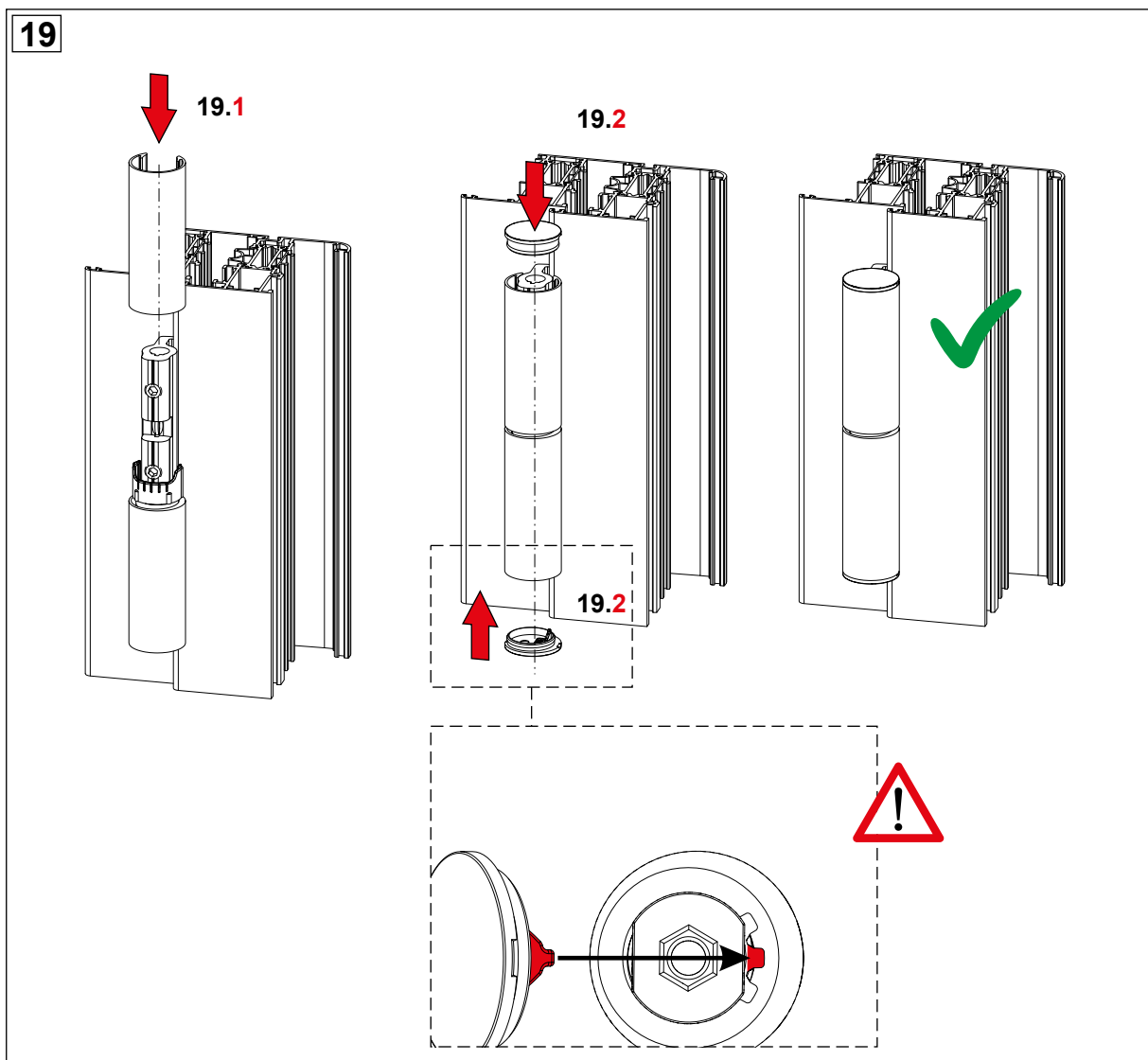




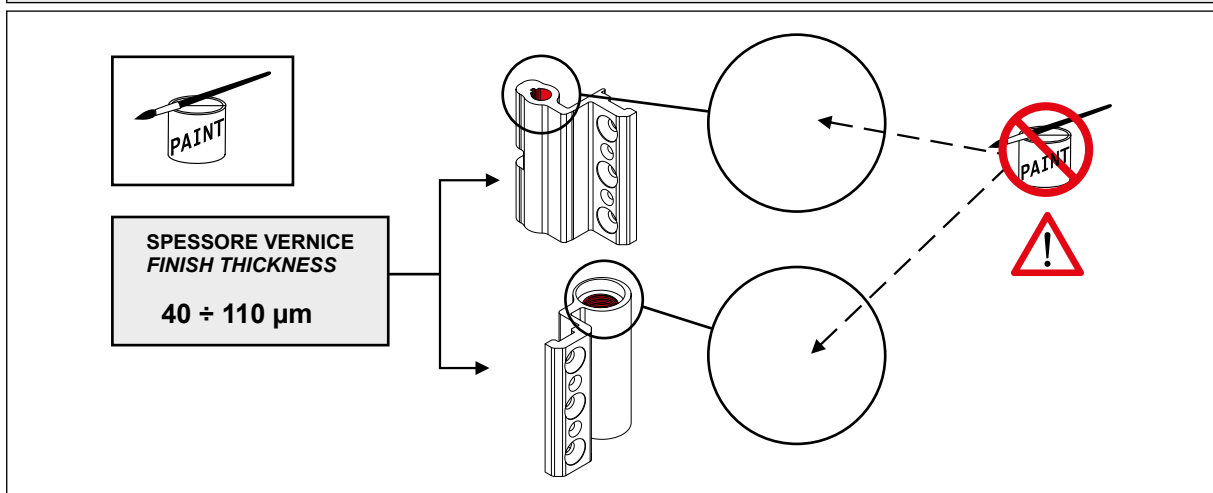
## 23

### Montaggio cerniere Strong EVO, ACP 9918N, ACP 9938N

Strong EVO hinges assembly ACP 9918N, ACP 9938N



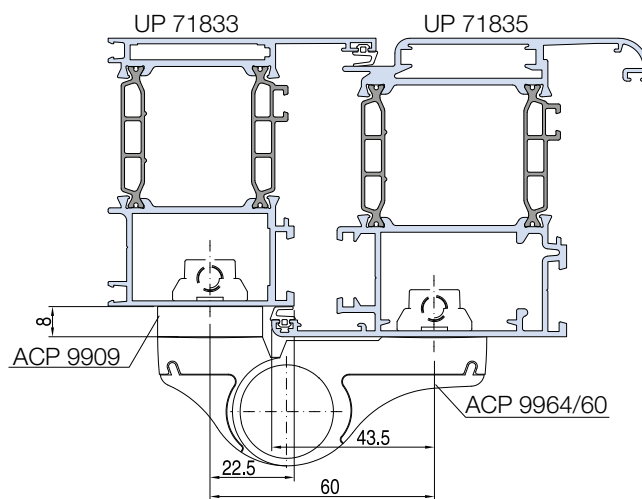
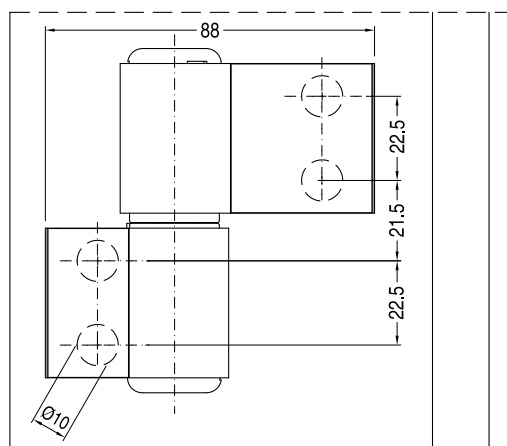
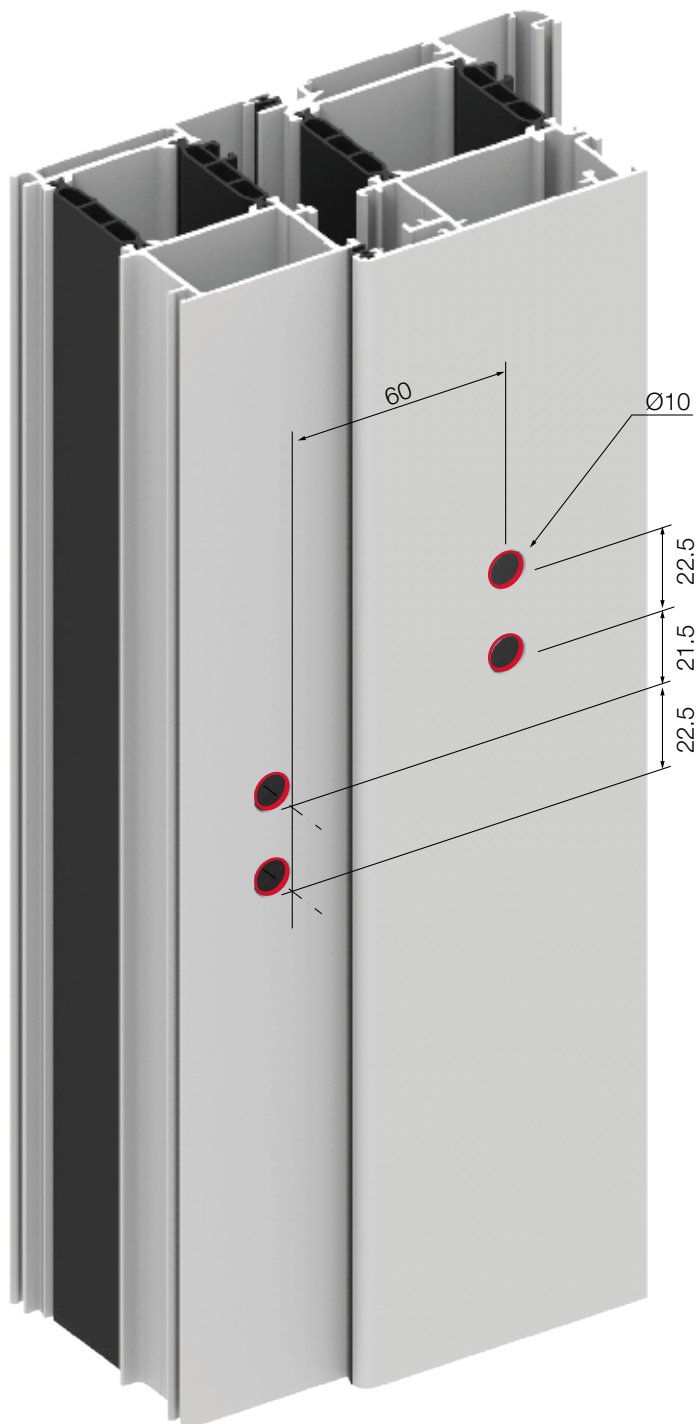
### VERSIONE GREZZO - RAW VERSION



## 24

## Applicazione cerniere frontali ACP 9964/60 interasse 60mm

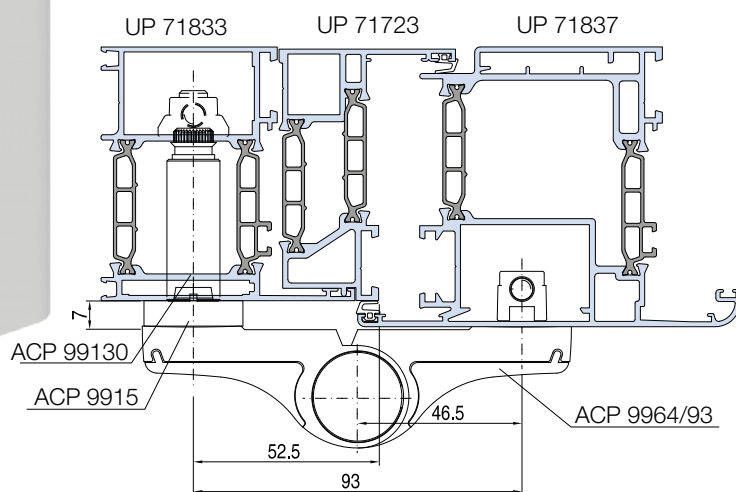
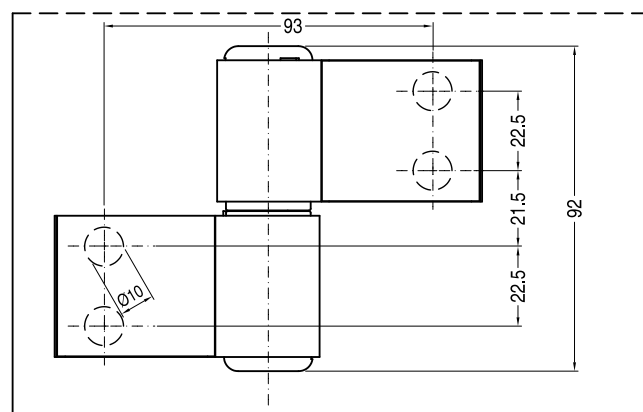
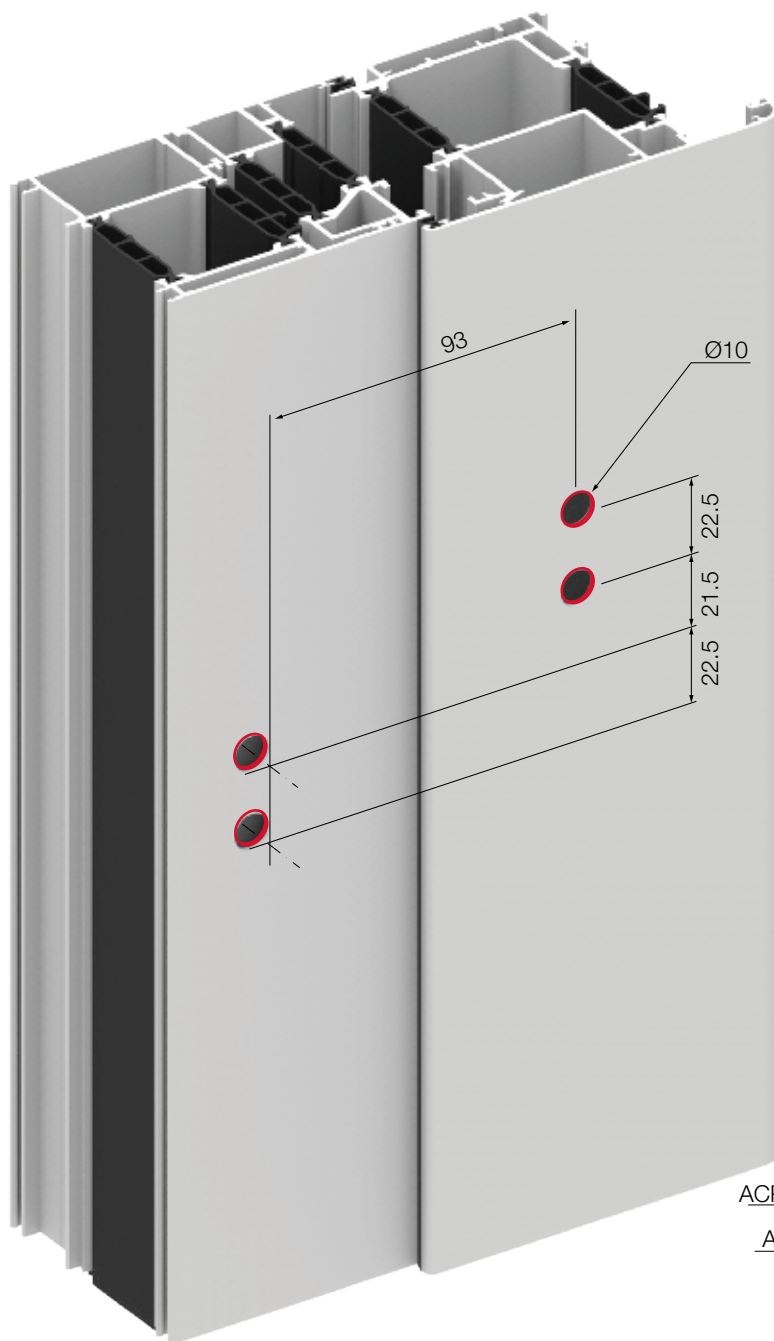
ACP 9964/60 front hinges assembly, hole centredistance 60mm



## 25

### Applicazione cerniere frontali ACP 9964/93 interasse 93mm

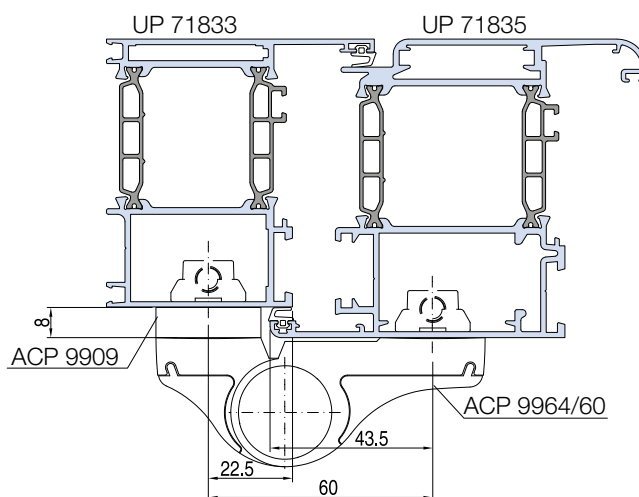
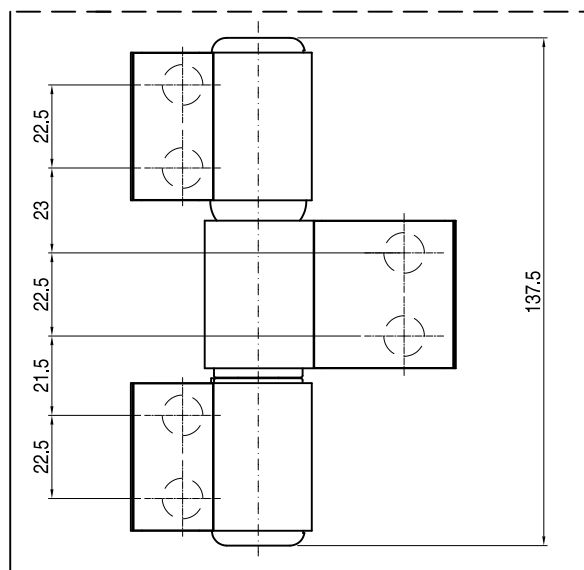
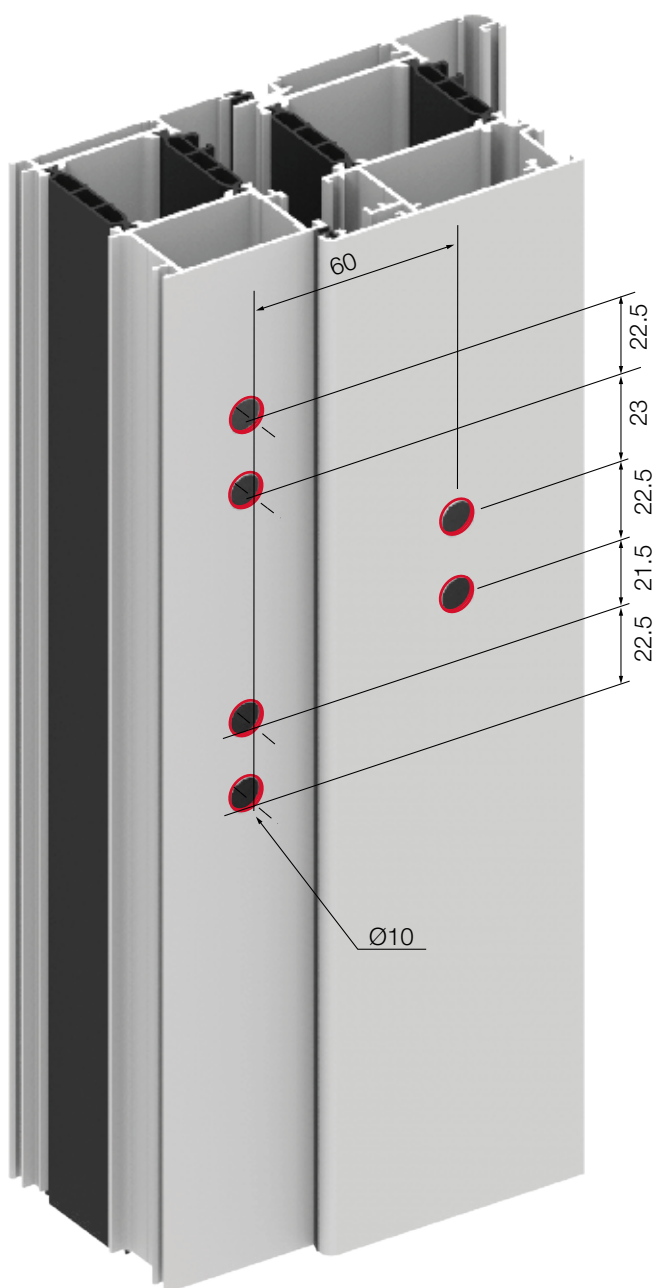
ACP 9964/60 front hinges assembly, hole centre distance 93mm



## 26

### Applicazione cerniere frontali ACP 9963/60 interasse 60mm

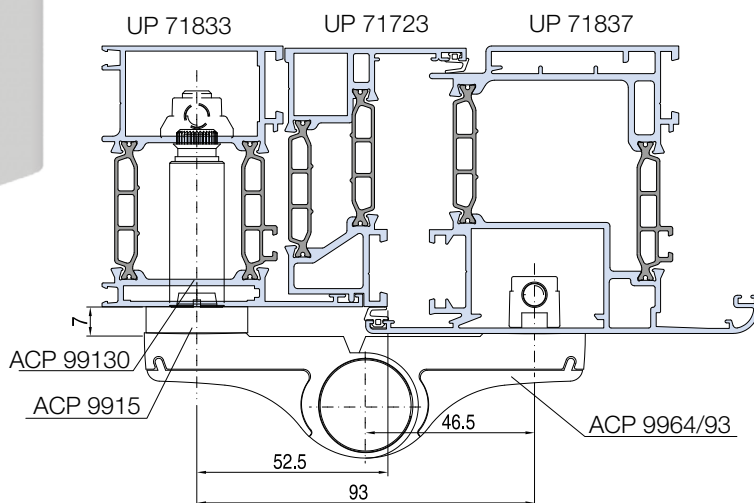
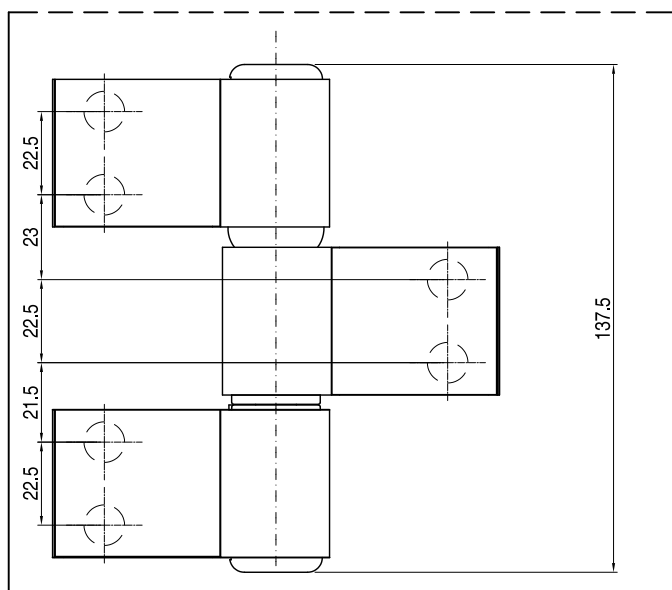
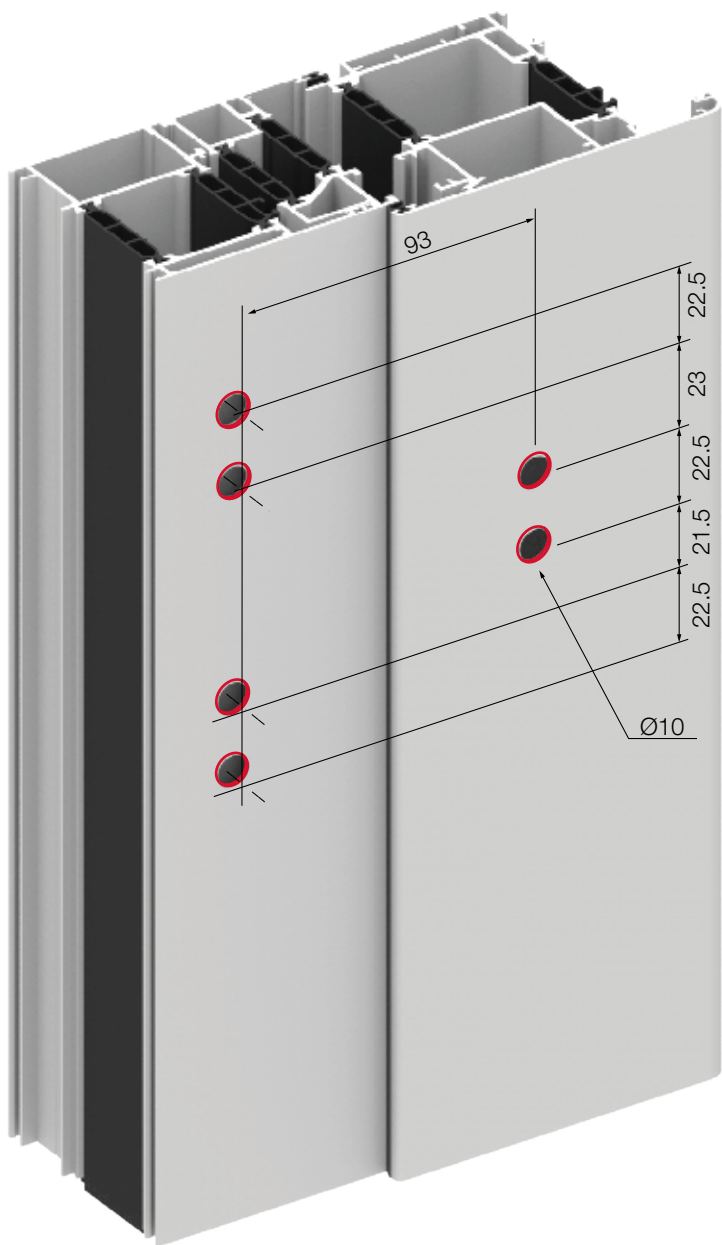
ACP 9963/60 front hinges assembly, hole centre distance 60mm



## 27

### Applicazione cerniere frontale ACP 9963/93 interasse 93mm

ACP 9963/93 front hinges assembly, hole centre distance 93mm

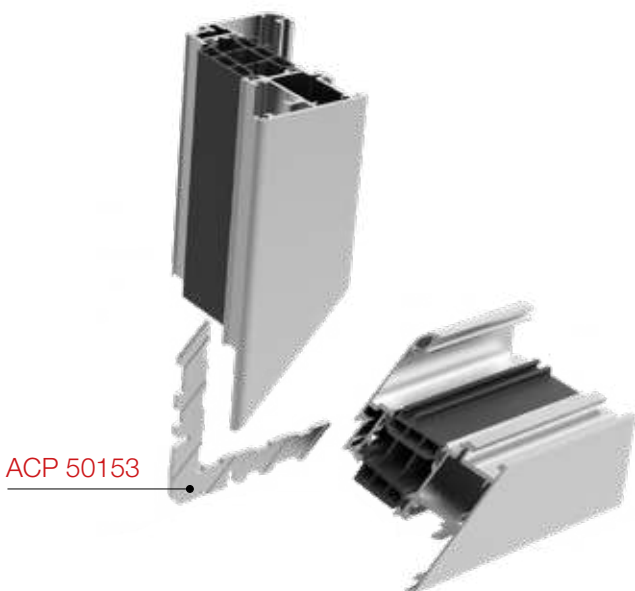


## 28

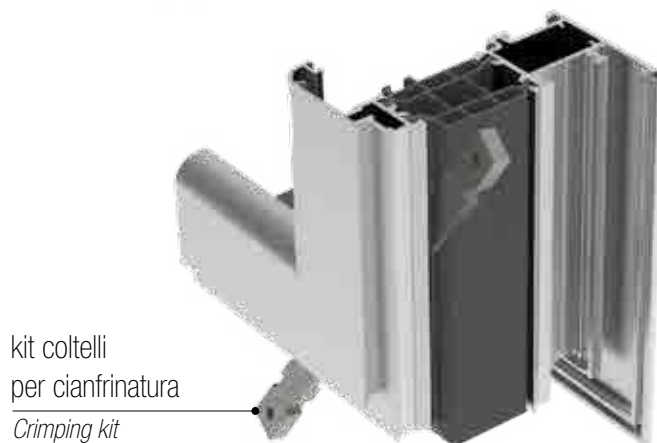
## Applicazione squadrette ACP 50153 - ACP 50154

ACP 50153 - 50154 Assembly

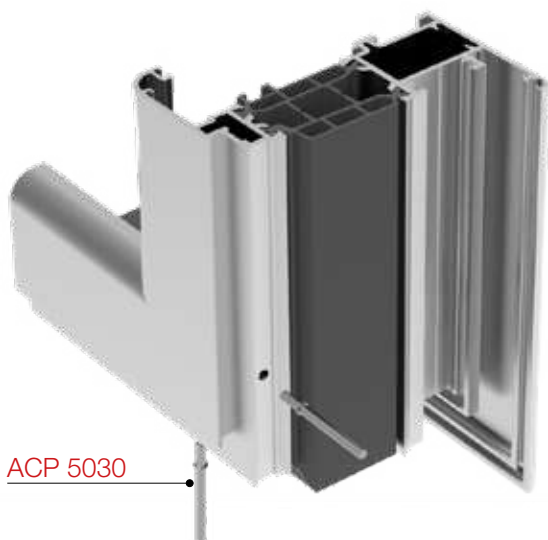
Inserire la squadretta ACP 50153 - ACP 50154 e chiudere l'angolo scegliendo tra le seguenti opzioni:

*Insert corner cleat ACP 50153 - ACP 50154 and close the corner by choosing from the following options:*

ACP 50153

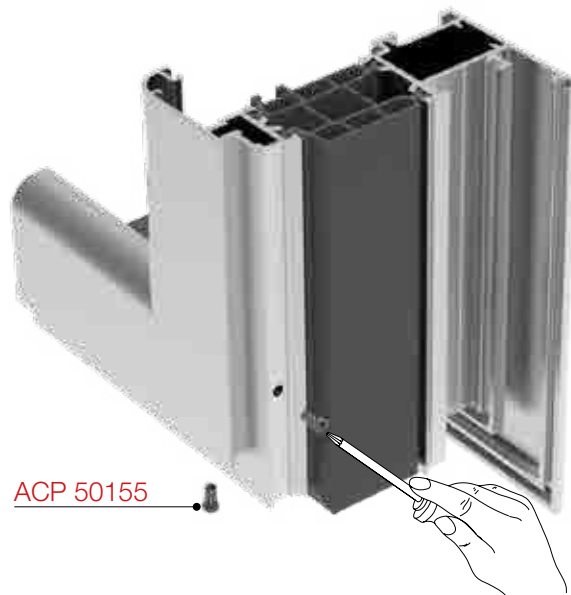

 kit coltelli  
 per cianfrinatura  
*Crimping kit*

1

 cianfrinare tramite l'apposito kit  
*Crimping using the appropriate kit*


ACP 5030

2

 spinatura tramite ACP 5030, con impugnatura a  
 perdere, foro Ø3mm di punzonatrice  
*Broaching using pin ACP 5030 with disposable stem, Ø3mm hole  
 by punching machine*


ACP 50155

3

 avvitatura con viti ACP 50155 foro Ø4mm di  
 punzonatrice (non utilizzata sui profili telaio)  
*Screwing with screw ACP 50155, Ø4 hole by punching  
 machine (can not be used on frame profiles)*

 INTERASSE FORO: 32,3mm  
 HOLE CENTER DISTANCE: 32,3mm

## 29

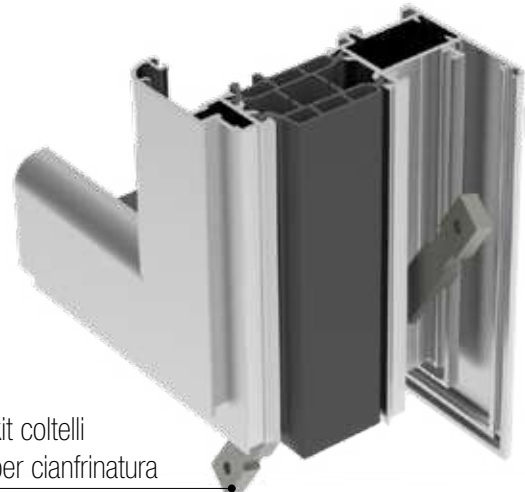
### Applicazione ACP 5801M - ACP 5802 - ACP 7001

Inserire la squadretta e chiudere l'angolo scegliendo tra le seguenti opzioni:

*Application ACP 5801 - ACP 5802 - ACP 7001. Insert corner cleat and close the corner by choosing from the following options:*



ACP 5801M

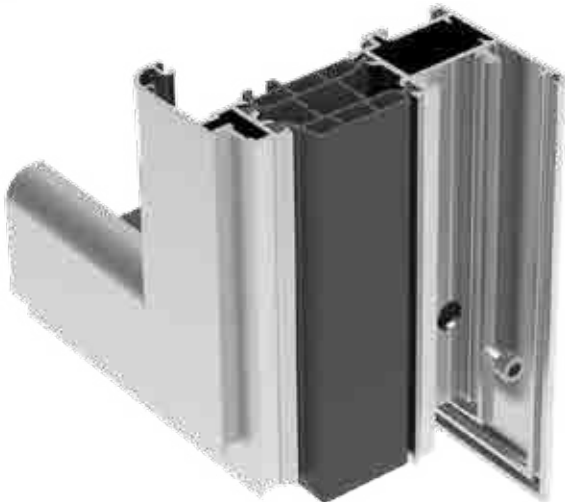


kit coltelli  
per cianfrinatura  
*Crimping kit*

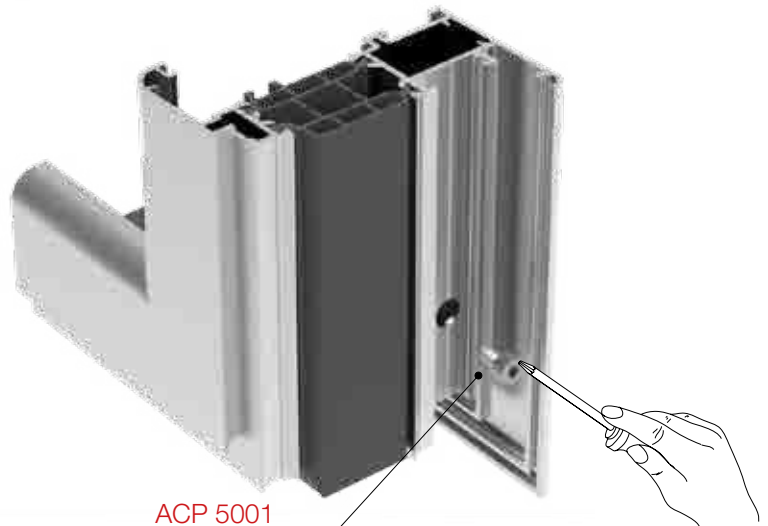
1

cianfrinatura tramite l'apposito kit  
*Crimping using the appropriate kit*

INTERASSE FORO: 46mm  
*Hole centre distance: 46mm*



ACP 5800



ACP 5001

2

spinatura tramite la spina ACP 5800, foro Ø8mm di punzonatrice  
*Broaching using pin ACP 5800, Ø8 hole by punching machine*

3

avvitatura con vite ACP 5001, foro Ø8mm di punzonatrice. Dare un giro per lato, fino a che la testa della vite va a filo profilo  
*Screwing with screw ACP 5001, Ø8 hole by punching machine*



## 30

## Assemblaggio telaio e ante tramite le apposite squadrette di sistema

*Assembly of frame and leaf using the special system brackets*

- 1 Inserire le squadrette  
*Insert the brackets*

Iniettare colla solo nella  
tubolarità esterna prima di  
inserire la squadretta

Inject glue only in the  
external tubularity before  
inserting the bracket

ACP 5008

ACP 5801M

ACP 50153

- 2 Chiudere l'angolo utilizzando gli strumenti in base  
alla tipologia di squadretta scelta  
*Close the corner using the tools according to the type  
of bracket chosen*

Spina ACP 5030 oppure vite  
ACP 50155 oppure cianfrinare

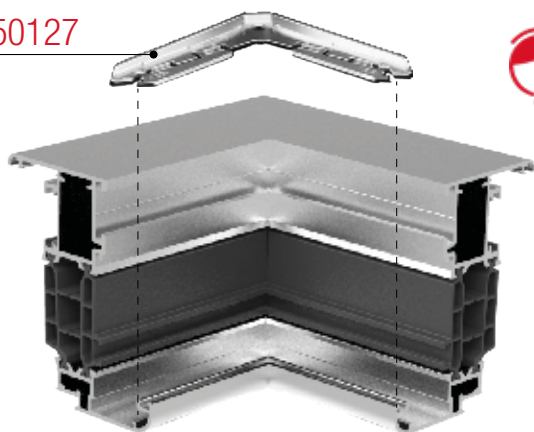
ACP 5030 pin or ACP  
50155 screw or crimp

Spina ACP 5800 oppure vite  
ACP 5001 oppure cianfrinare

ACP 5800 pin or ACP  
5001 screw or crimp

- 3 Inserire squadretta di allineamento esterna  
*Insert external alignment bracket*

ACP 50127



## ALSISTEM consiglia...

di utilizzare la squadretta multifunzione nella tubolarità interna per avere una miglior qualità del prodotto finito e le spine ACP 5030 con impugnatura a perdere, nella tubolarità esterna.

*to use the multifunction bracket in the internal tubularity to have a better quality of the finished product and the ACP 5030 pins with disposable handle, in the external tubularity.*



## 31

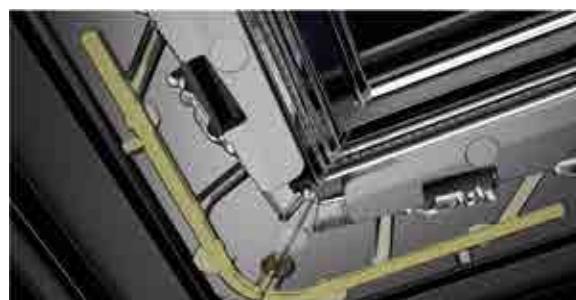
### Serraggio ed incollaggio squadrette ACP 50127

*Clamping and gluing of ACP 50127 brackets*

- 1 Precaricare e chiudere le squadrette da entrambi i lati tramite un cacciavite a taglio ruotando secondo il verso indicato sulla squadretta.  
*Preload and close the brackets on both sides using a sloed screwdriver, rotating according to the direction indicated on the bracket.*



- 2 Incollare la squadretta iniettando la colla AGP 5058 fino al riempimento delle scanalature predisposte.  
*Glue the bracket by injecting the AGP 5058 glue until the prepared grooves are filled.*



## 32

Iniezione la colla AGP 5058, anche nella squadretta interna ACP 5801M, attraverso il foro preposto, fino al riempimento di tutte le cavità dell'angolo.

*Inject the AGP 5058 glue, also into the ACP 5801M internal bracket, through the hole provided, until all the cavities of the internal corner are filled.*



### ALSISTEM consiglia...

l'utilizzo della colla bicomponente AGP 5058 per garantire una maggior tenuta e velocizzare la solidificazione dell'angolo.

*the use of two-component glue AGP 5058 to ensure greater sealing and speed up the solidification of the corner.*



## 36

Sigillare i profili: prima di chiudere l'angolo, sigillare le superfici di contatto dei profili tagliati, utilizzando l'apposita sigillatrice MCT PL TKE259.

*Sealing the profiles: before closing the corner, seal the contact surfaces of the cut profiles, using the appropriate sealer MCT PL TKE259.*



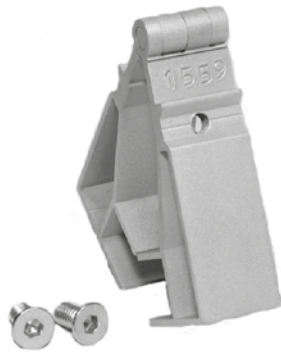
Sigillatrice d'angoli automatica



## 33

### Lavorazioni fori per montaggio squadretta maggiorata ad angolo variabile ACP 5506

ACP 5506 oversize adjustable corner joint

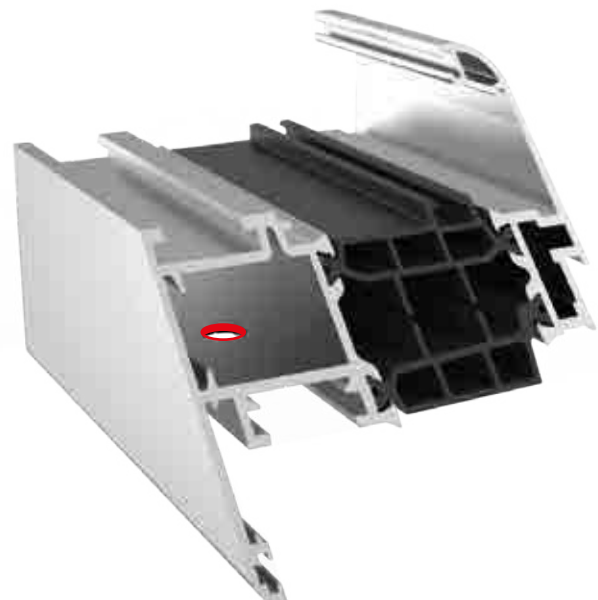
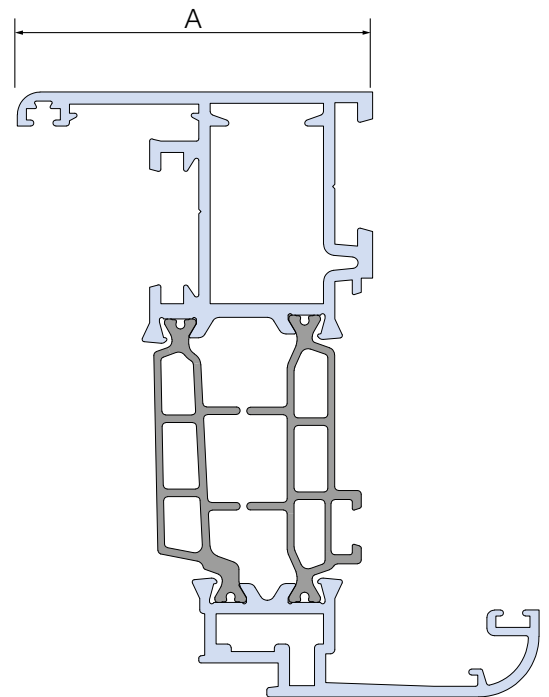
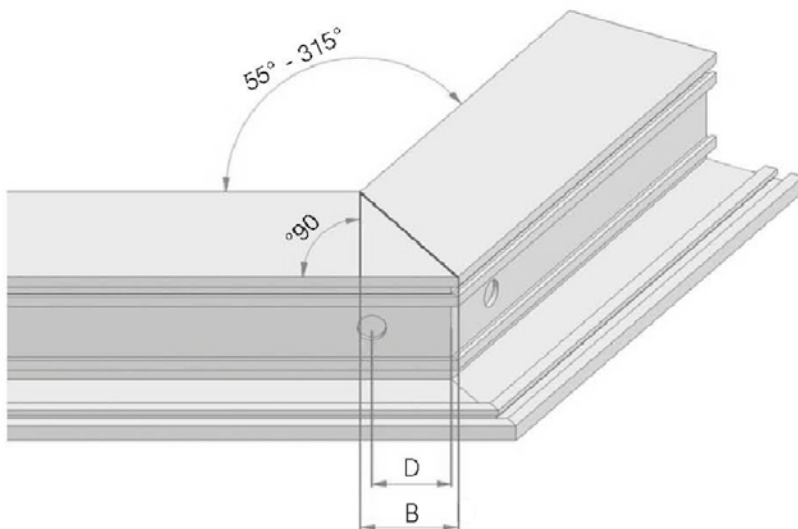


#### PROCEDURA PER ACP 5506

- Stabilito l'angolo di taglio del profilo misurare la quota B;
- Eseguire il calcolo come suggerito nella formula in basso;
- Visto l'ampio campo di regolazione delle squadrette la misura ottenuta può essere arrotondata + o - al mm.

#### PROCEDURE FOR ACP 5506

- Identify the cut angle, gauge the dimension B;
- Make calculations (as the boom formula);
- The obtained value can be round off + or - mm.



#### PER CALCOLARE L'ASSE DI FORTATURA

$$D = 25 + (7 \times B \div A)$$

#### ESEMPIO CON B= 35mm, A= 50mm

$$D = 25 + (7 \times 35 \div 50) = 30\text{mm}$$

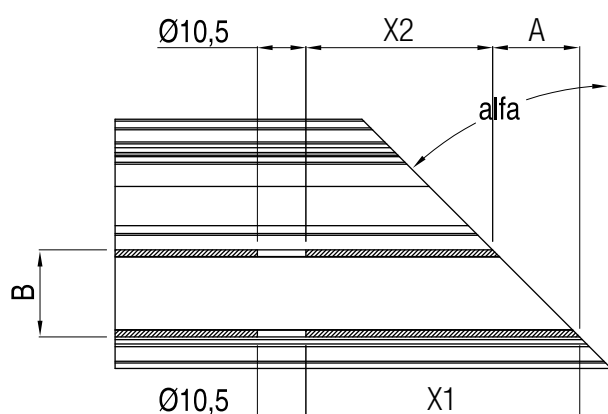
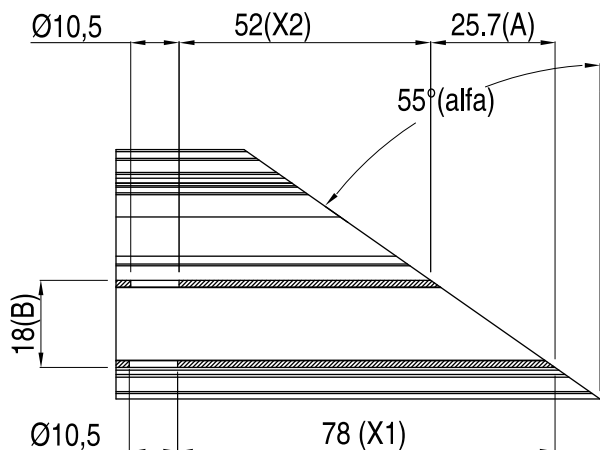
A= larghezza profilo

B= protezione (a 90°) vertice interno su lato sterno

## 34

## Lavorazione fori per montaggio squadrette angolo variabile ACP 5504 / ACP 5805

Machining of holes to fit variable corner joint ACP 5504 / ACP 5805

Esempio con angolo di taglio  $\alpha = 55^\circ$ Example of  $\alpha$  cutting angle =  $55^\circ$ 

## PROCEDURA PER ACP 5504

- Stabilito l'angolo di taglio del profilo, misurare la quota A o determinarla in linea teorica applicando la seguente formula:  $A = B \times \tan(\alpha)$ ;
- Sommare o detrarre al coefficiente C la metà della quota A (prima determinata) per ottenere la distanza do foratura X1 esterna oppure X2 per la distanza interna;
- Visto l'ampio campo di regolazione delle squadrette la misura ottenuta può essere arrotondata + o - al mm.

## PROCEDURE FOR ACP 5504

- Once the profile cut angle has been established, measure value A or determine it theoretically by applying the following formula:  
 $A = B \times \tan(\alpha)$ ;
- Add to or subtract from the coefficient C half of value A (previously determined) to obtain the external drilling distance X1 the internal drilling distance X2;
- Given the wide range of adjustment of the brackets the measurement obtained can be rounded + 0 - to the mm.

## PROCEDURA PER ACP 5805

Per questa squadretta valgono le stesse regole per il calcolo di A, mentre per X1 il coefficiente da aggiungere è sempre 41mm

PERTANTO:

$$X1 = A + 41$$

## PROCEDURE FOR ACP 5805

For this bracket the same rules apply for the calculation of A, whereas for X1 the coefficient to be added is always 41mm.

THEREFORE:

$$X1 = A + 41$$

Angolo =  $\alpha$ 

$$A = B \times \tan(\alpha)$$

$$C = 65$$

$$X1 = C + (A/2)$$

$$X2 = C - (A/2)$$

Angle =  $\alpha$ 

$$A = B \times \tan(\alpha)$$

$$C = 65$$

$$X1 = C + (A/2)$$

$$X2 = C - (A/2)$$

Angolo =  $55^\circ$ 

$$A = 18 \times (\tan \text{ di } 55)$$

$$C = 65 \text{ (art.0910.10)}$$

$$X1 = 65 + (25.71/2) \approx 77.85$$

$$X2 = 65 - (25.71/2) \approx 52.15$$

arrotondare

$$X1 = 78$$

$$X2 = 52$$

Angle =  $55^\circ$ 

$$A = 18 \times (\tan \text{ di } 55)$$

$$C = 65 \text{ (art.0910.10)}$$

$$X1 = 65 + (25.71/2) \approx 77.85$$

$$X2 = 65 - (25.71/2) \approx 52.15$$

round up/down

$$X1 = 78$$

$$X2 = 52$$

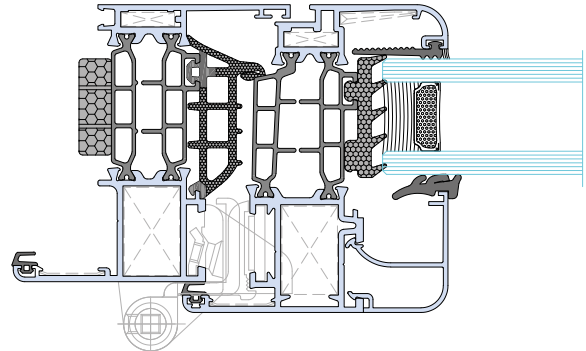
## 35

### Regolo a muro obliquo

*Sloping wall spacer*

Per un corretto e sicuro fissaggio al controtelaio occorre sempre utilizzare il regolo a muro. Sui telai Planet, a tubolarità normale si può utilizzare il regolo obliquo che evita le spaccature dell'intonaco dovute ad un fissaggio troppo periferico causato dai normali regoli.

*For a correct and safe fixing to the counter-frame it is always necessary to use the wall spacer. The sloping spacer can be used on Planet frames with a standard chamber. This spacer prevents the plaster from cracking as a result of too peripheral a fixing caused by normal guides.*



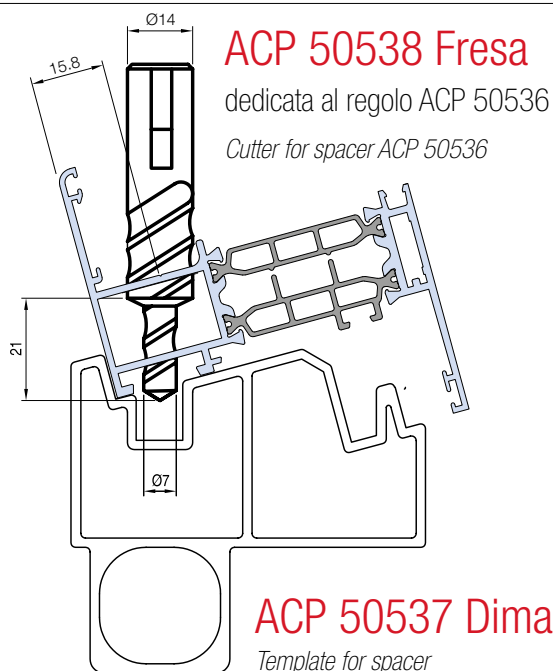
#### ACP 50536



Regolo obliquo in zama  
*Zamak sloping spacer*

Forare la tubolarità del telaio con la fresa ACP 50538, utilizzando come base di appoggio la dima ACP 50537

*Make a hole in the tubularity of the frame with the cutter ACP 50538, using template ACP 50537 as a support base*



Utilizzare su finestre con dimensioni max 2mq

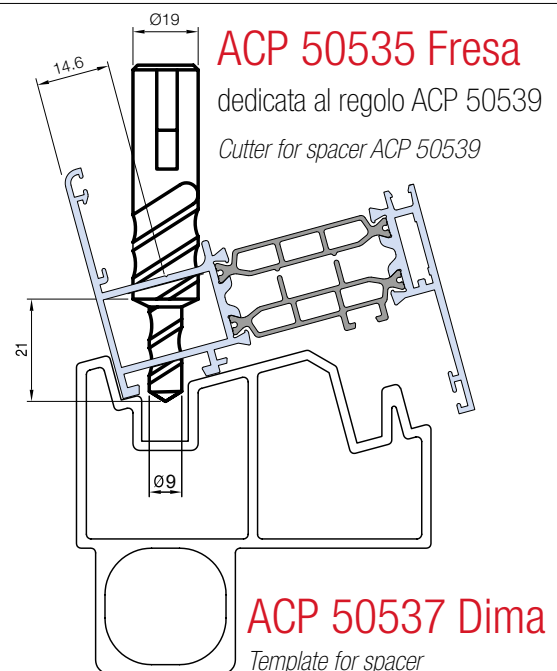
#### ACP 50539



Regolo obliquo in nylon per turboviti  
*Nylon sloping spacer*

Forare la tubolarità del telaio con la fresa ACP 50535, utilizzando come base di appoggio la dima ACP 50537

*Make a hole in the tubularity of the frame with the cutter ACP 50535, using template ACP 50537 as a support base*

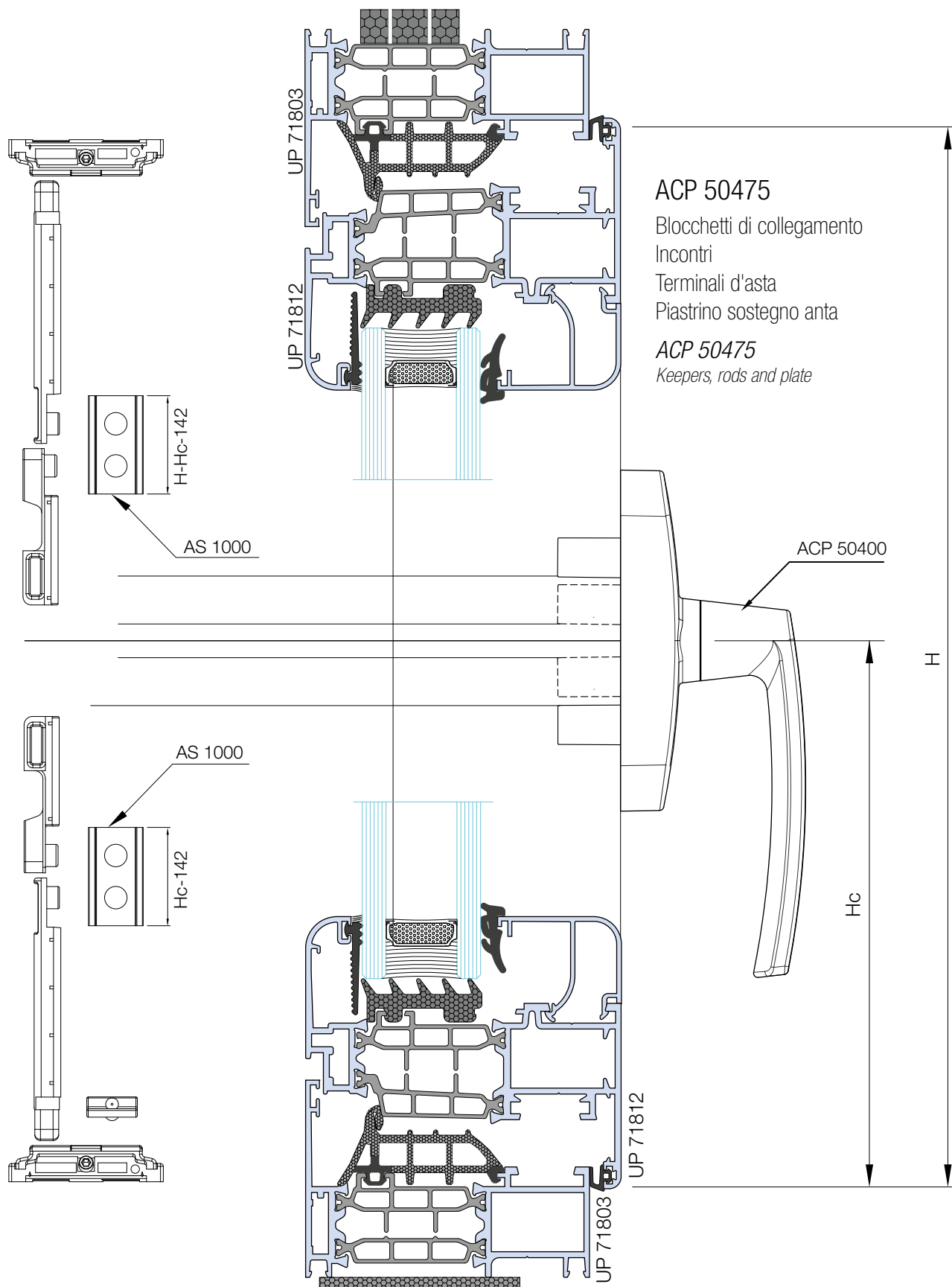


Utilizzare su finestre con dimensioni > 2mq

# 36

## Lavorazione taglio astina per kit ACP 50475

Leaf closure rod cutting for ACP 50475





## 41

### Montaggio tappo riporto centrale ACP 72179M

*ACP 72179M astragal assembly*

Prima di montare il tappo riporto centrale occorre sigillare le zone evidenziate nel disegno

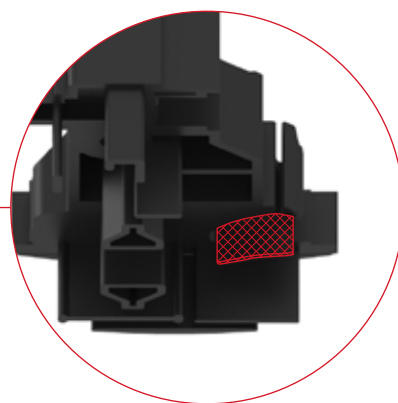
*Before installing astragal cap, seal areas shown on drawing*



Avvitare con vite TC-CE4,8  
*Screwing with screw TC-CE4,8*



ACP 72179M



Dopo aver inserito il tappo, accostare la pinna centrale incollando la zona di contatto, come evidenziato nell'immagine sotto

*After fitting the cap, place the central fin, gluing the contact area*

## 42

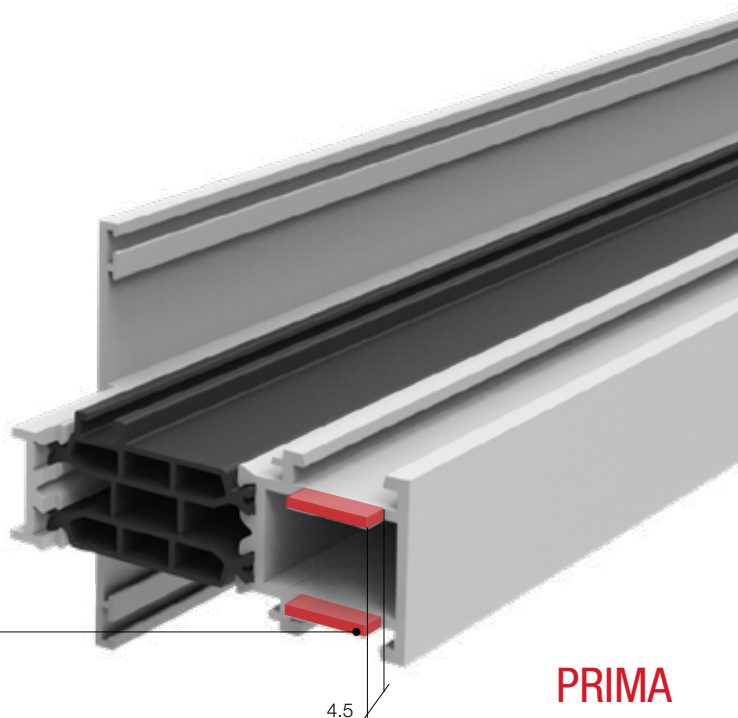
### Applicazione cavallotto ACP 50425 cava fermavetro Application U-bolt ACP 50425 glazing bead slot

Per l'applicazione del cavallotto cava fermavetro è necessario implementare la lavorazione effettuata con il Gruppo frese MCT PL 44 PT.

*For the application of the glazing bead hollow U-bolt it is necessary to implement the processing carried out with the cutter group MCT PL 44 PT.*

Asportare le Alette per la profondità di 4,5mm per montare il Cavallotto ACP 50425

*Remove the fins for the 4.5mm depth to mount the ACP 50425 U-bolt*



**PRIMA**



**ACP 50425**



**DOPO**

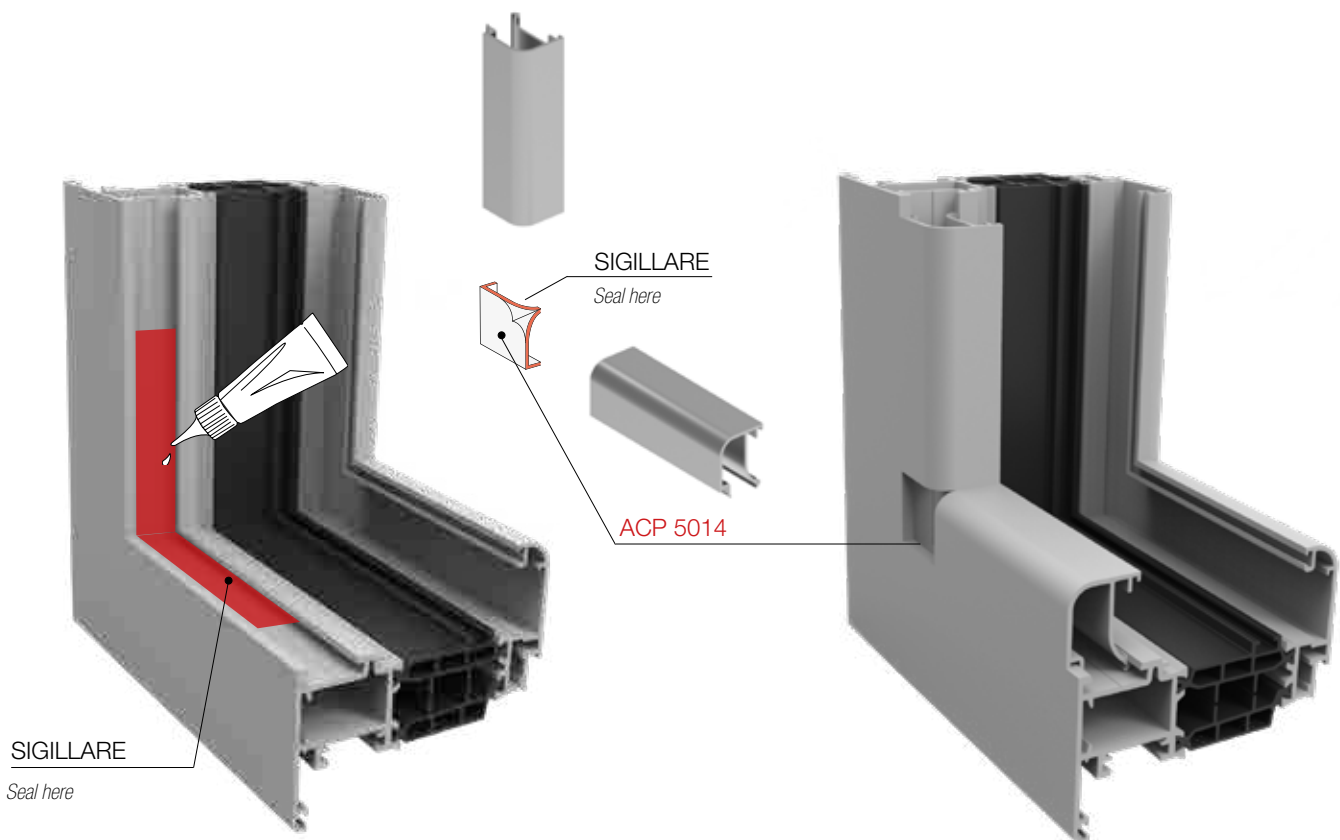


## 43

### Montaggio angolino fermavetri ACP 5014

Prima di montare l'angolino occorre sigillare la sede del fermavetro nell'angolo e le giunzioni con i fermavetri

*ACP 5014 assembly. Gluing the contact area before assembly ACP 5014*



SIGILLARE

Seal here

SIGILLARE

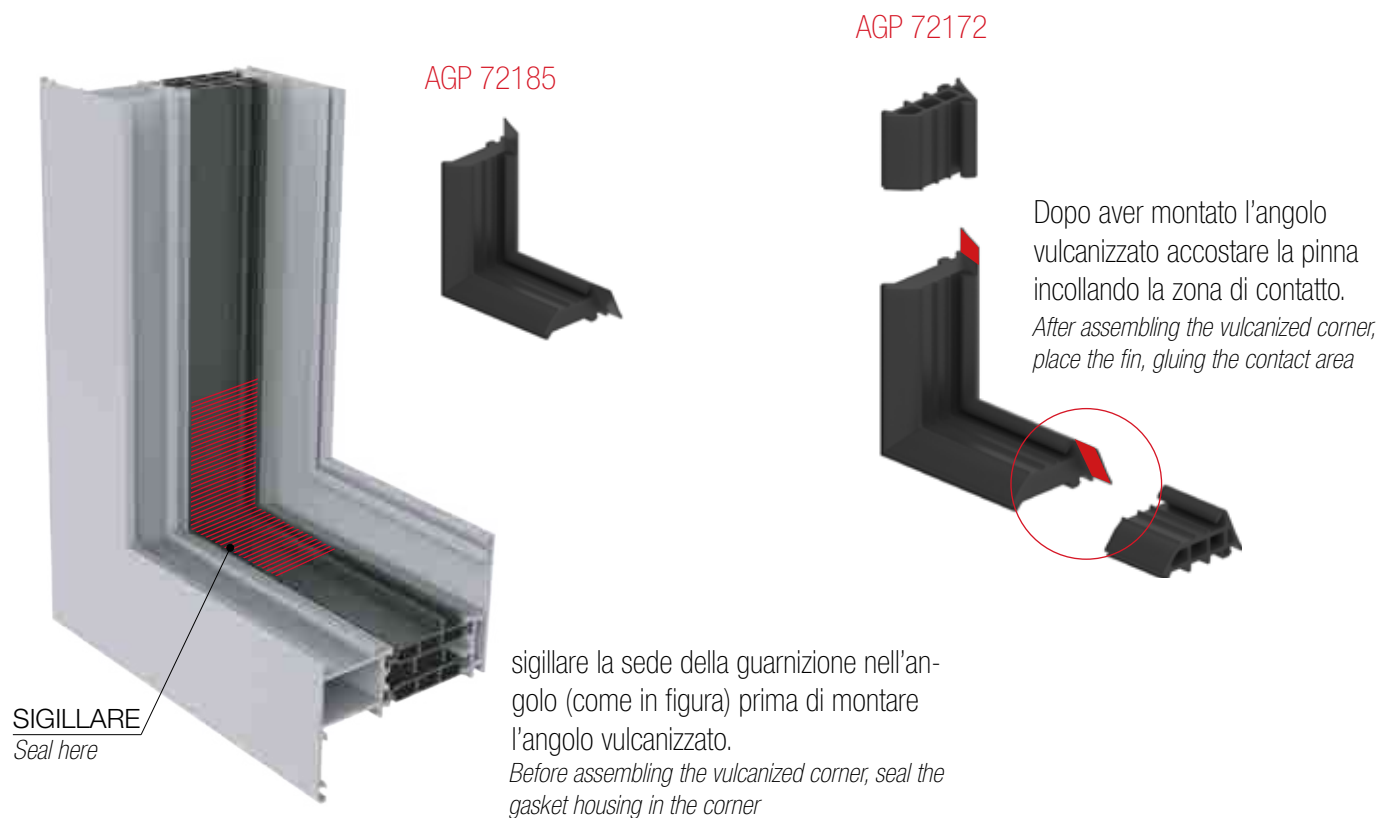
Seal here

ACP 5014

## 44

## Montaggio angolo vulcanizzato AGP 72185 e AGP 4085

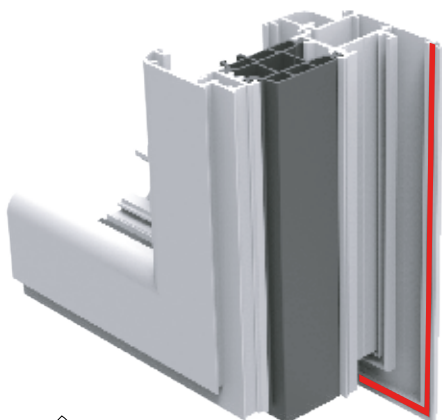
*Assembly for vulcanized corner*



**! ATTENZIONE**

**Sequenza valida anche per sigillare l'angolo vulcanizzato AGP 4085 e guarnizione AGP 4000**

*Sealing AGP 4085 AND AGP 4000 like in the description for AGP 72185*



**AGP 4085**

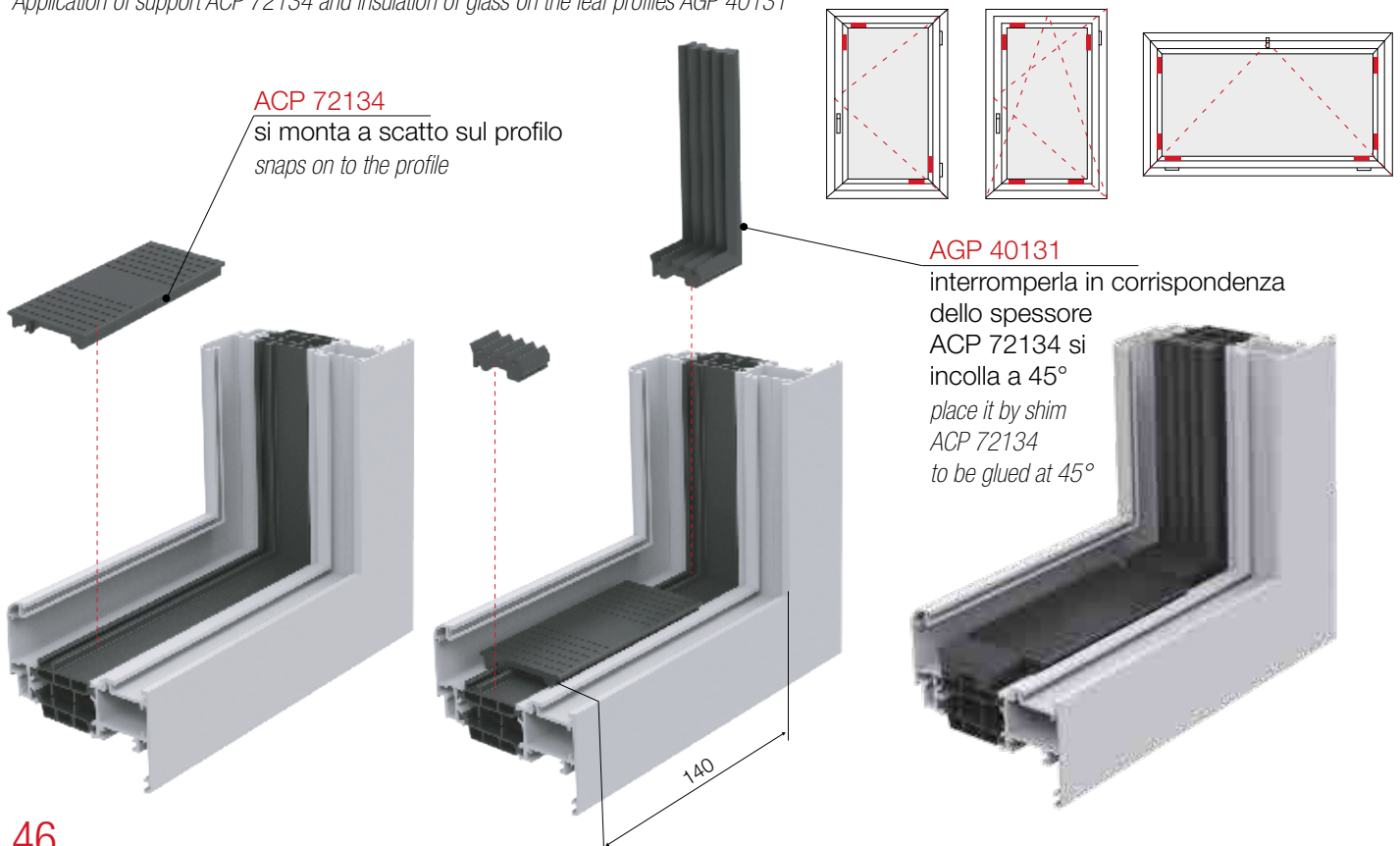
inserire la guarnizione nella sede appropriata (indicata in rosso)  
*insert the gasket in the correct position*



## 45

### Applicazione supporto ACP 72134 e isolamento vetro AGP 40131 sui profili anta

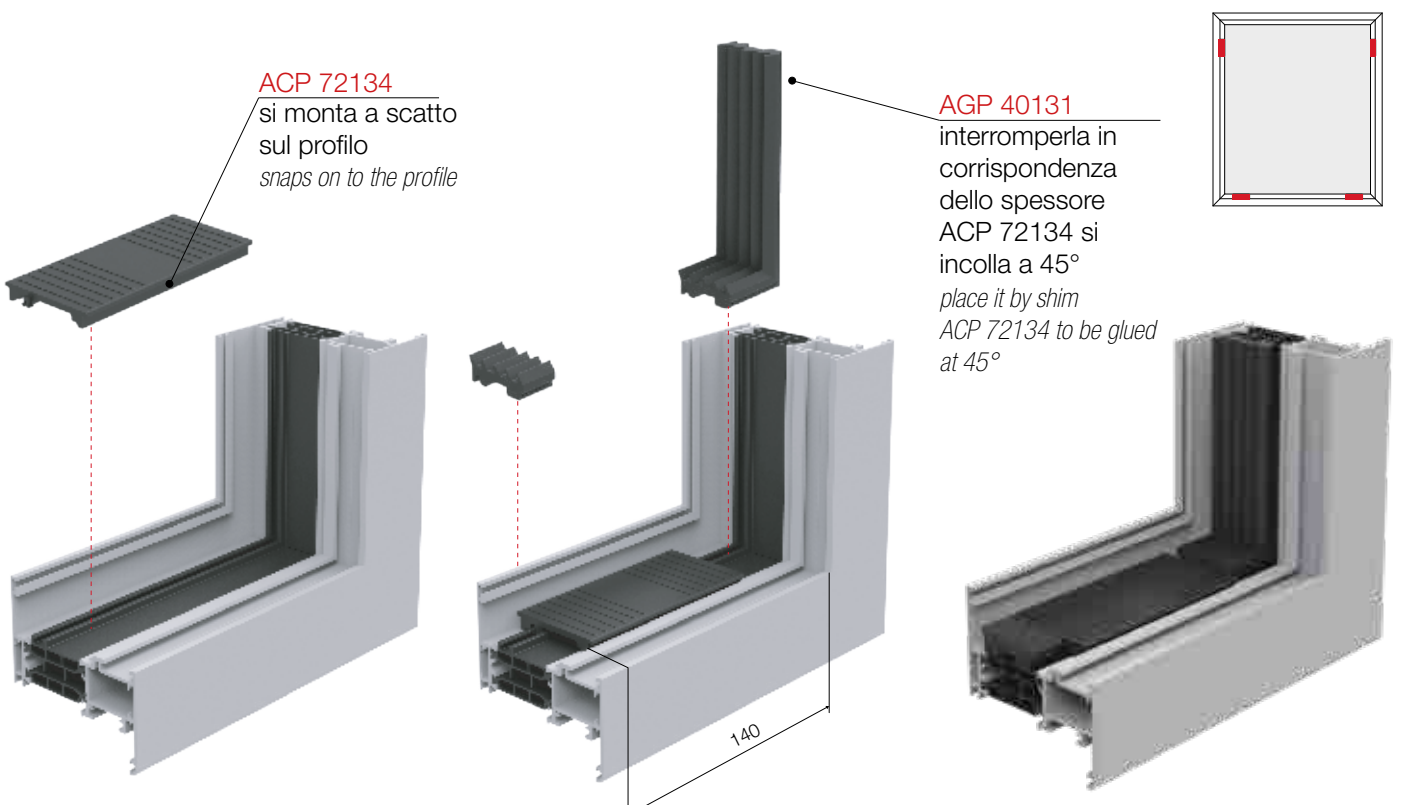
Application of support ACP 72134 and insulation of glass on the leaf profiles AGP 40131



## 46

### Applicazione supporto e isolamento vetro sui profili telaio nel caso di specchiature fisse

Application of support and insulation of glass on the frame profiles in the case of fixed glass



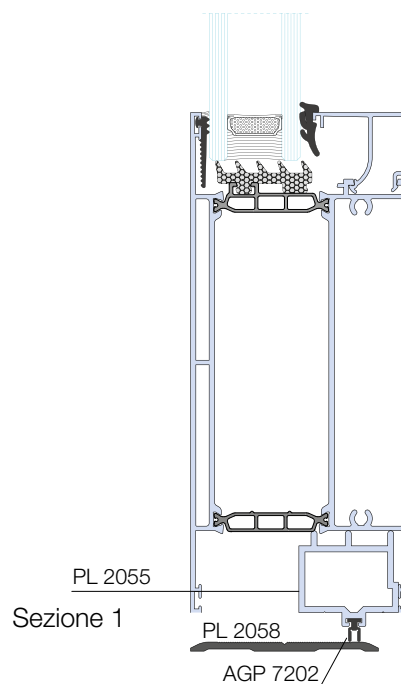
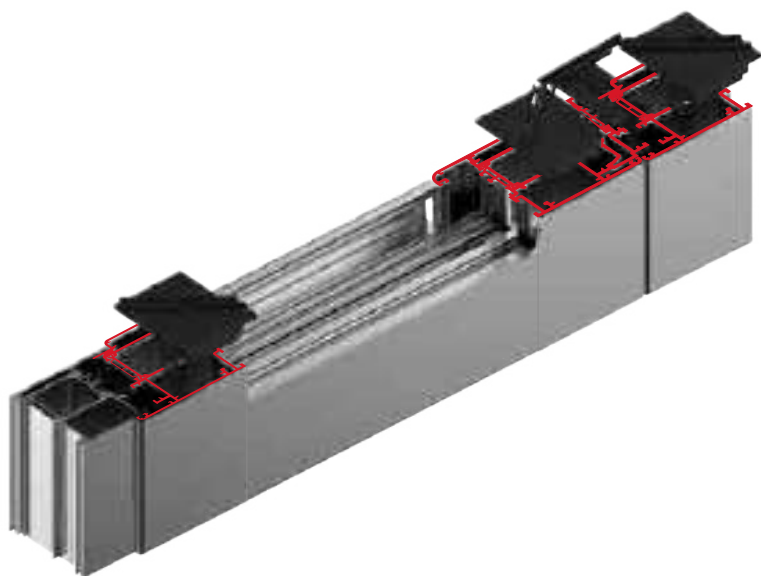
## 47

### Applicazione tappi sottoporta ACP 7272, ACP 7273 e ACP 7274

I tappi ACP 7272, ACP 7273 e ACP 7274 consentono di mantenere una tenuta continua anche sotto il montante dell'anta e del riporto centrale grazie all'apposita sede che permette l'inserimento dello spazzolino. Utilizzando la soglia calpestabile PL 2058 lo spazzolino assumerà la posizione di lavoro solo in chiusura evitando di danneggiare la pavimentazione. Lo spazzolino può essere sostituito dalla guarnizione AGP 7202 come indicato nella sezione 1.

*Applying under door cap ACP 7272, ACP 7273 e ACP 7274*

*The caps ACP 7272, ACP 7273 e ACP 7274 allow you to keep a continuous seal even under the leaf's mullion and the astragal using the appropriate venue that allows the insertion of the floor-brush. Using the floor threshold PL 2058, the brush will work in the right position only in closing to avoid the floor's damage. The brush can be replaced by the gasket AGP 7202 as described in section 1.*



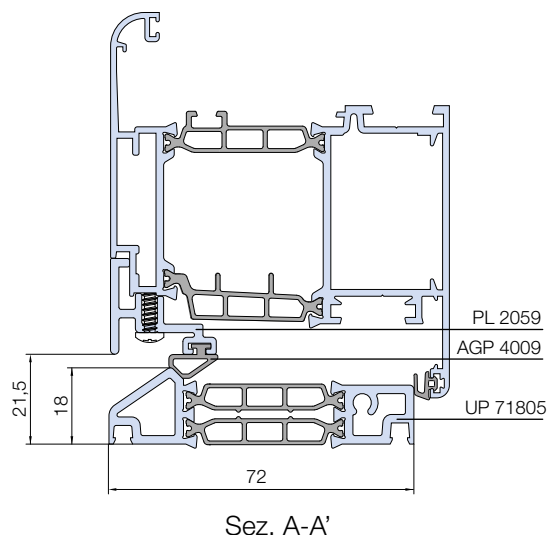
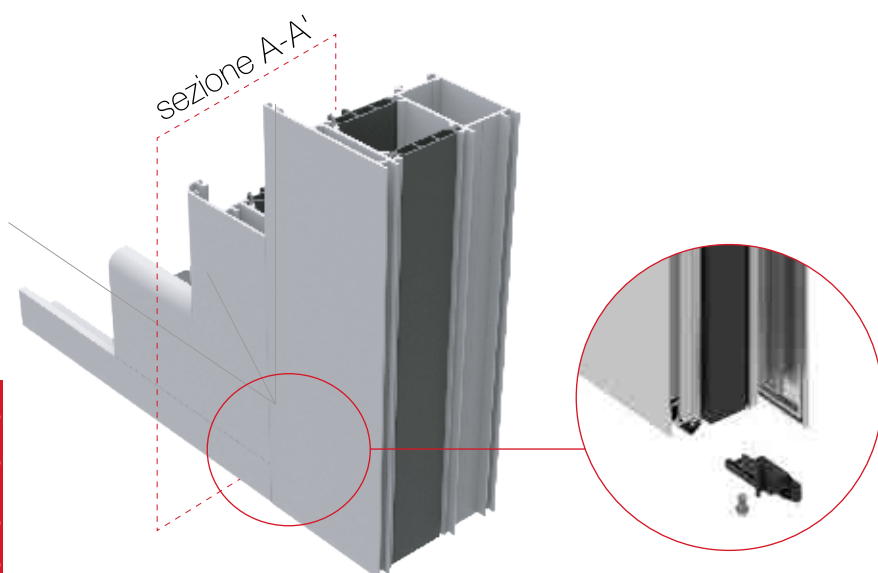
## 48

### Applicazione tappo terminale sottoporta ACP 50115

Nuovo tappo terminale per porte che prevedono l'anta a girare come traverso inferiore a pavimento al posto dello zoccolo. Il tappo terminale (destro e sinistro) è stato creato per rendere l'infisso ermetico in quanto darà continuità tra la guarnizione di battuta (AGP 4009) e quella giunto aperto presente sui montanti del telaio. Non saranno pertanto necessari i 2 angoli vulcanizzati inferiori. Il tappo andrà inserito e successivamente avvitato al profilo porta spazzolino PL 2059, come indicato nelle immagini qui sotto.

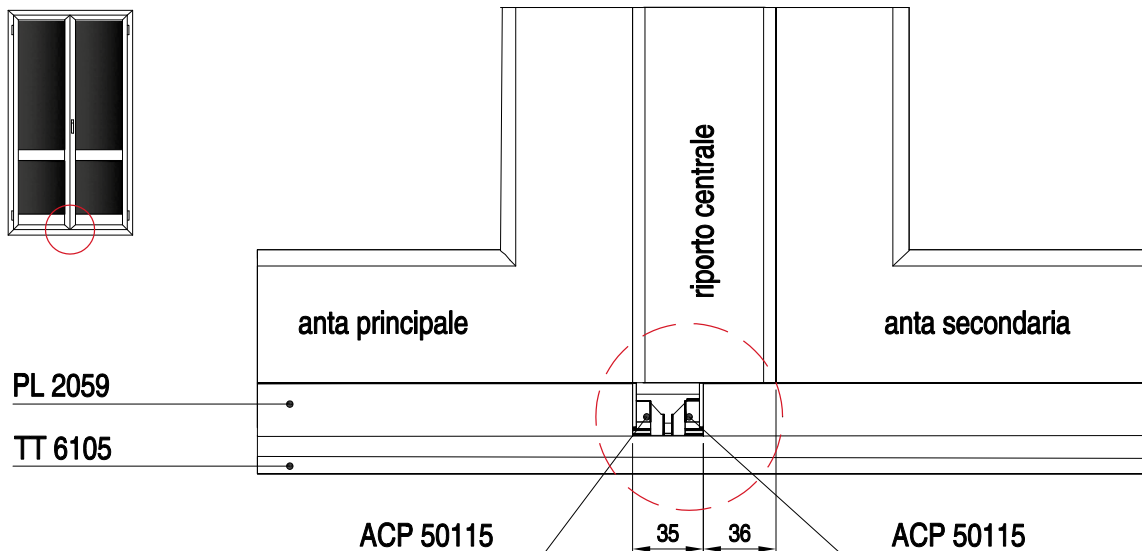
*ACP 50115: floor door cap*

*New cap for turn+leaf+doors wich provide the leaf as sill in place of the base. The end cap (right and left) was created to make the system more hermetic as it will give continuity between the gasket (AGP 4009) and the mullion's fin seal. Therefore it won't need two vulcanized corner. The cap will be inserted and screwed on toothbrush holder profile PL 2059, as illustrated in the pictures below.*



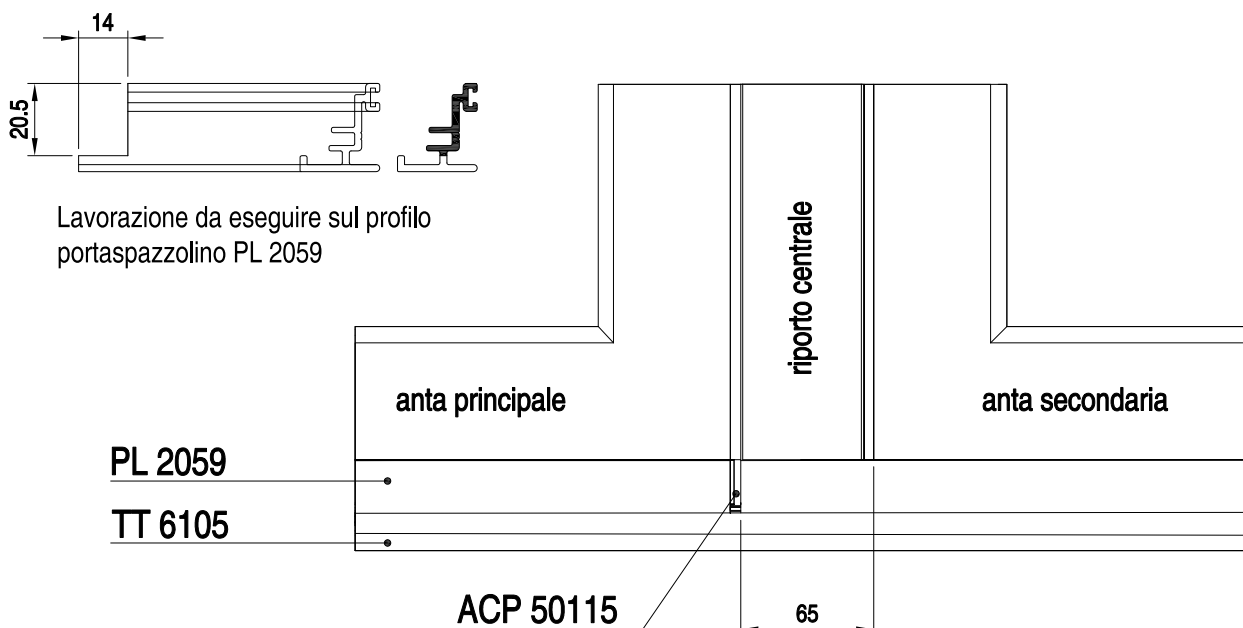
Nel nodo centrale dell'infisso a 2 ante è possibile adottare 2 differenti soluzioni in base alle proprie esigenze. La soluzione ermetica prevede l'inserimento del tappo ACP 50115 su entrambe le ante, creando però una zona centrale con i tappi a vista da 35x30mm, come evidenziato nel disegno qui sotto.

*In 2-leaf window central section can use two different solutions according to your needs. The hermetic solution provide for application the cap ACP 50115 on both leaves, however, it makes a central area with 35x30mm plug in view, as shown in the below figure.*



Nella soluzione estetica, grazie allo scasso di 20,5x14mm, il profilo portaspazzolino PL 2059 arriva a filo del riporto centrale, come evidenziato nel disegno qui sotto. Il tappo ACP 50115 va inserito solo sull'anta principale. Utilizzando questa soluzione c'è il rischio di minime infiltrazioni di aria e acqua.

*In aesthetic solution, thanks to the space 20,5x14mm, the brush holder PL 2059 profile is flush the astragal, as shown in the below figure. The cap ACP 50115 is inserted in the main leaf. Using this solution you risk a little air and water infiltration.*



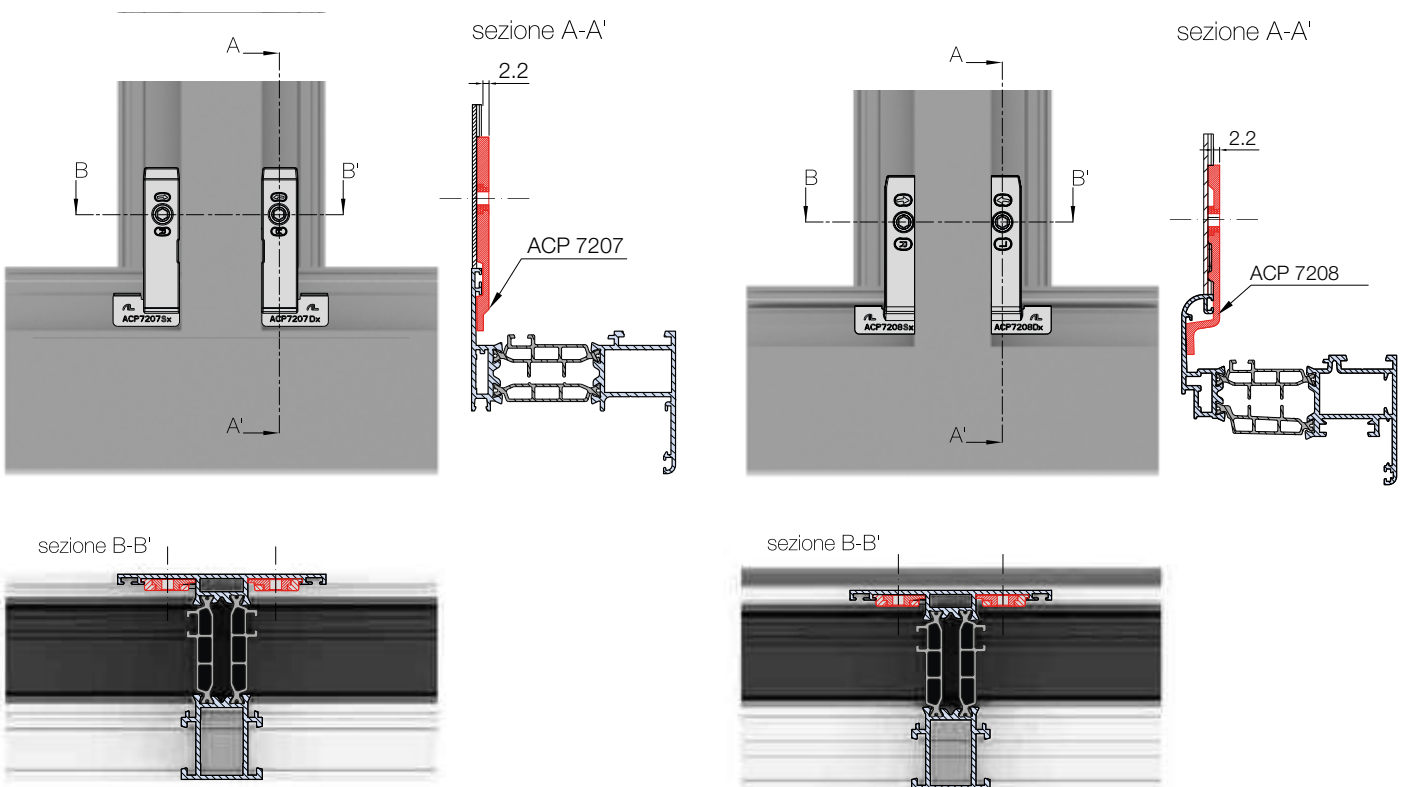
## 49

### Applicazione cavallotti esterni ACP 7207 e ACP 7208

I cavallotti ACP 7207 e ACP 7208 conferiscono alla giunzione tra montante e traverso un perfetto allineamento della scocca esterna nonché un tiraggio notevole, sulle serie di una certa profondità aiutano a mantenere il traverso in posizione ortogonale senza subire rotazione a causa del peso del vetro.

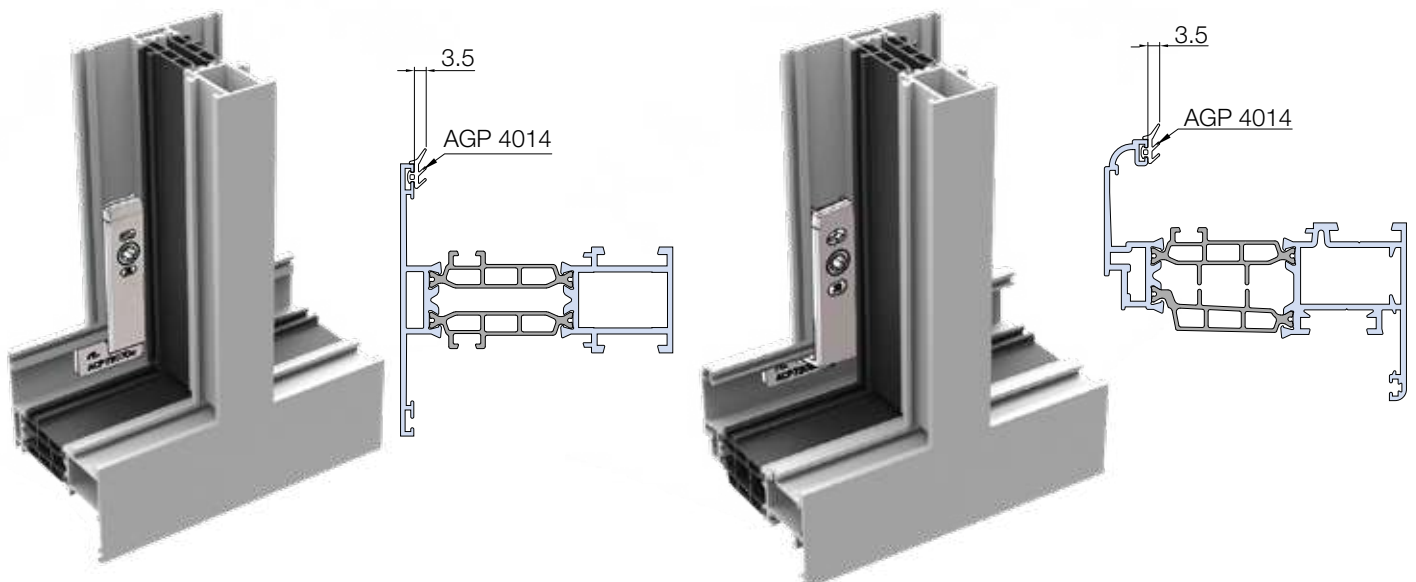
*Applying alignment clamp ACP 7207 and ACP 7208*

*The alignment clamp ACP 7207 and ACP 7208 gives a perfect alignment between transom and mullion and helps to keep the transom in orthogonal position.*



Nell'utilizzo dei cavallotti ACP 7207 e ACP 7208 è obbligatorio adoperare la guarnizione AGP 4014, in quanto permette di posizionare il vetro alla giusta distanza dall'accessorio stesso, evitando ogni rischio di contatto.

*To use clamps ACP 7207 and ACP 7208 is required use the gasket AGP 4014 that allows you to place the glass at the right distance, avoiding any risk of contact.*



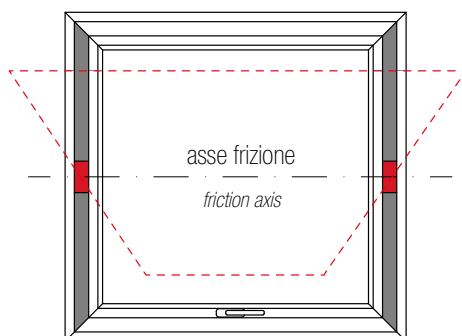
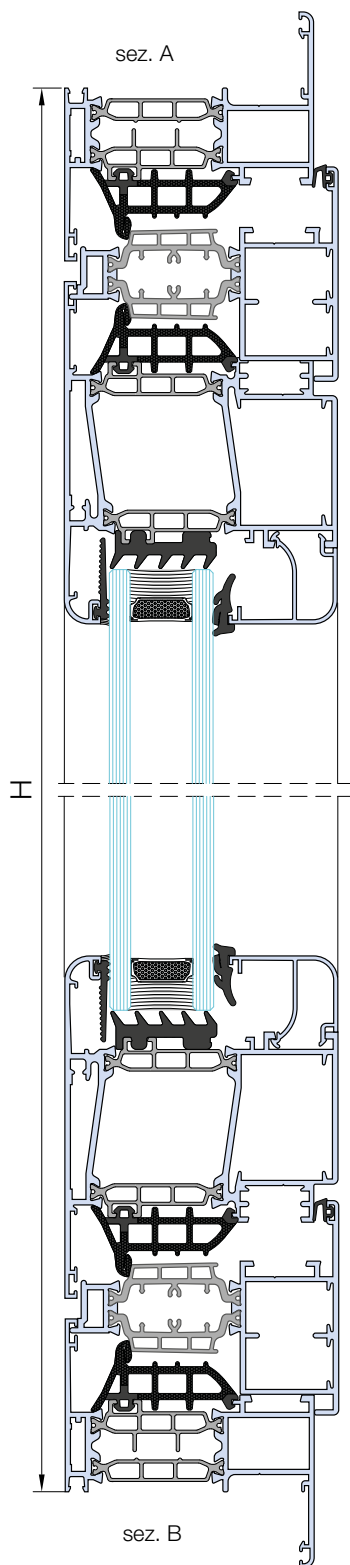




51

Lavorazione inversione bilico orizzontale per applicazione cerniera ACP 5092 - portata 175kg

Machining of horizontal pivot reversal to fit hinge ACP 5092 - capacity 175kg

**Inversione bilico TT 7120****Riepilogo tagli:**

traverso inferiore:

1 pezzo L - 44 (45° - 45°) Punta "B" - Punta "B"

traverso superiore:

1 pezzo L - 44 (45° - 45°) Punta "A" - Punta "A"

montante superiore:

2 pezzi (H - 44)/2 - 76 (45° - 90°) Punta "A"

montante inferiore:

2 pezzi (H - 44)/2 - 76 (45° - 90°) Punta "B"

**Pivot reversal TT 7120****Summary of cuts:**

lower crosspiece:

1 piece L - 44 (45° - 45°) Point "B" - Point "B"

upper crosspiece:

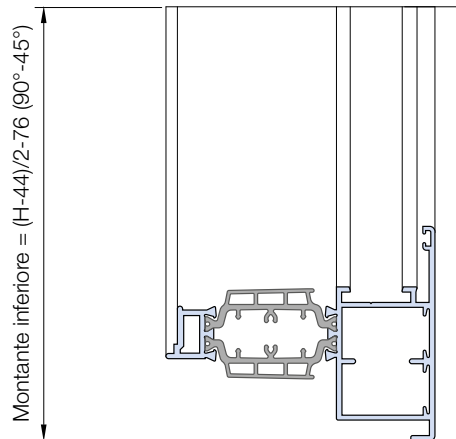
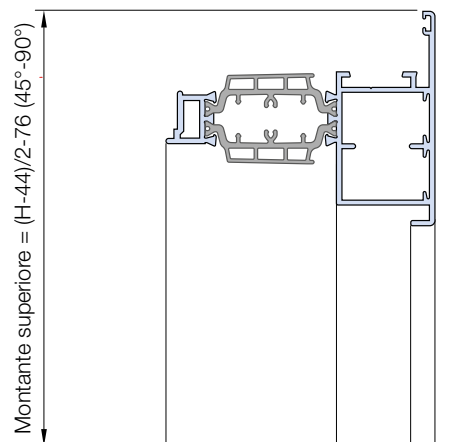
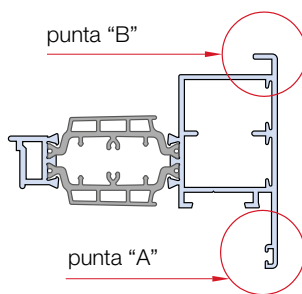
1 piece L - 44 (45° - 45°) Point "A" - Point "A"

upper jamb:

2 pieces (H - 44)/2 - 76 (45° - 90°) Point "A"

lower jamb:

2 pieces (H - 44)/2 - 76 (45° - 90°) Point "B"



Dopo aver effettuato il taglio dell'inversione TT7120, utilizzare i tappi plastici di compenso ACP 50119 inserendoli nella frizione ACP 5092.

After cutting TT 7120, use plastic plugs ACP 50119

L'utilizzo dei tappi evita l'intestatura del profilo "inversione di battuta bilico", velocizzando il processo di realizzazione dell'infisso come raffigurato a lato.

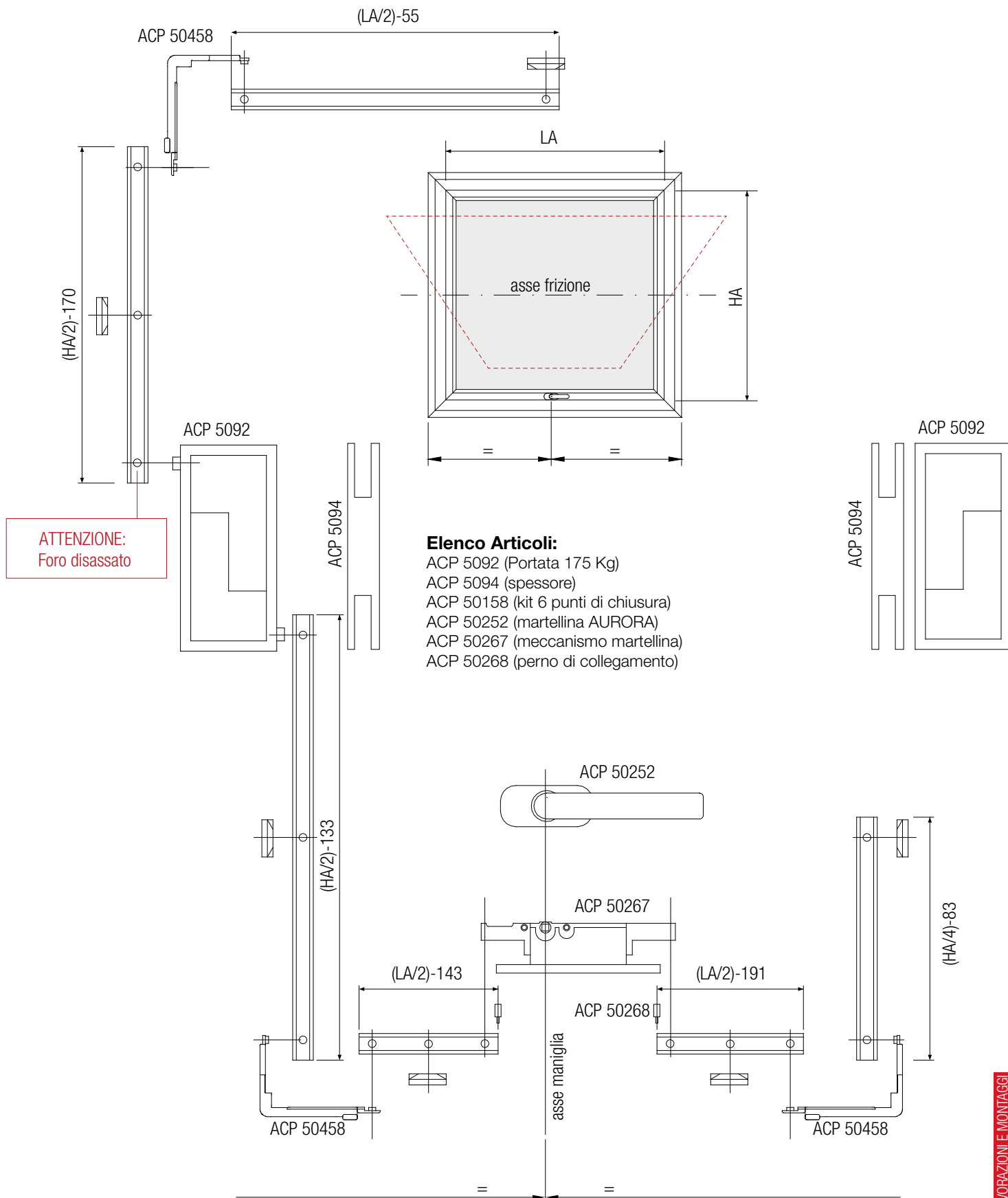
The use of plugs prevents the fabricator the butting profile "pivot window rabbet adapter", wich speeds up the implementation process of the frame.



## 52

### Lavorazione taglio asta per applicazione kit ACP 50458, bilico orizzontale

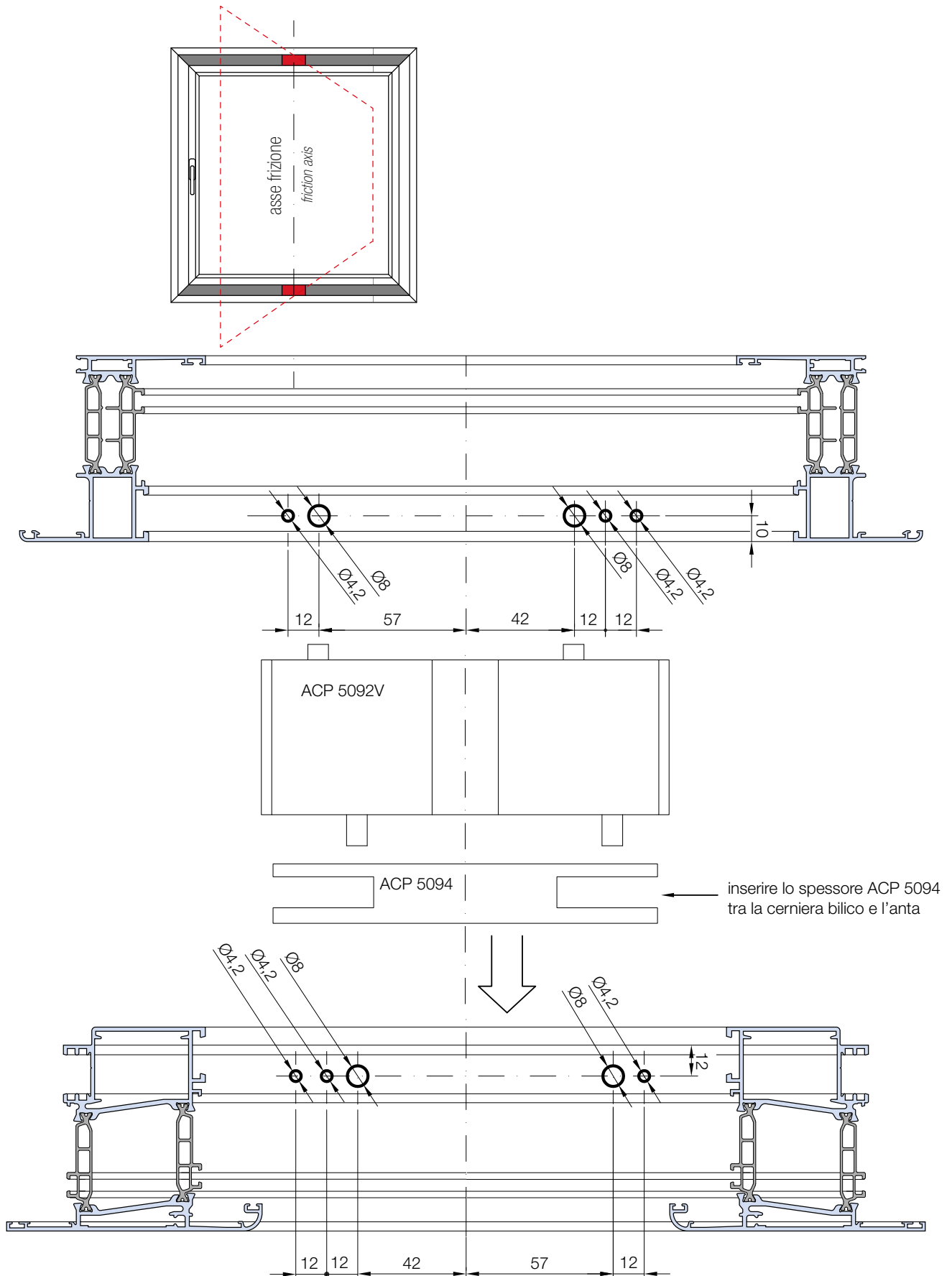
Working application ACP 50458, horizontal pivot window



# 53

## Lavorazione telaio e anta bilico verticale per applicazione cerniera ACP 5092V - portata 175kg

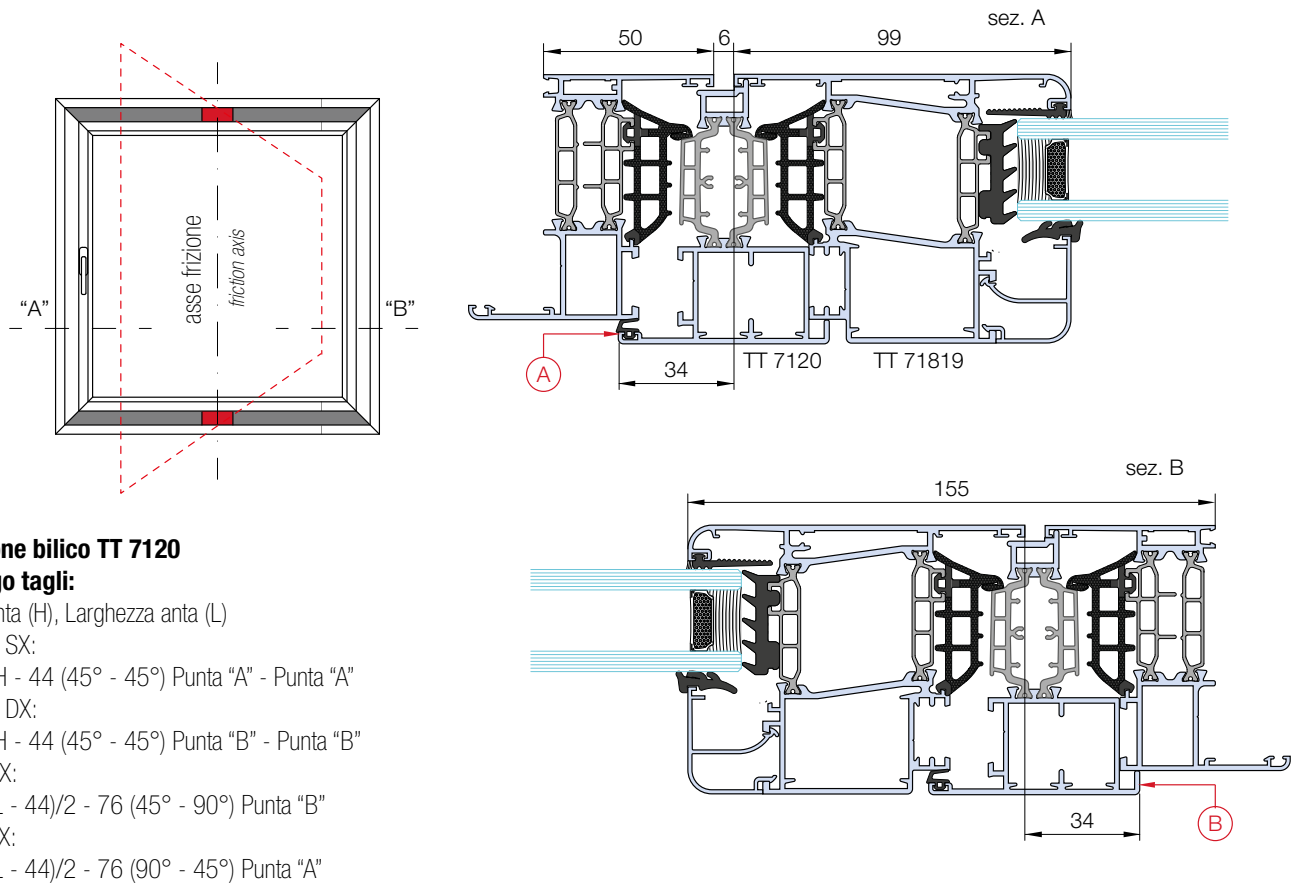
Machining of frame and vertical pivot leaf to fit hinge ACP 5092V - capacity 175kg



## 54

### Lavorazione inversione bilico verticale per applicazione cerniera ACP 5092 - portata 175kg

Machining of vertical pivot reversal to fit hinge ACP 5092 - capacity 175kg



#### Inversione bilico TT 7120

##### Riepilogo tagli:

Altezza anta (H), Larghezza anta (L)

montante SX:

1 pezzo H - 44 (45° - 45°) Punta "A" - Punta "A"

montante DX:

1 pezzo H - 44 (45° - 45°) Punta "B" - Punta "B"

traversi DX:

2 pezzi (L - 44)/2 - 76 (45° - 90°) Punta "B"

traversi SX:

2 pezzi (L - 44)/2 - 76 (90° - 45°) Punta "A"

#### Pivot reversal TT 7120

##### Summary of cuts:

High leaf (H), Weight leaf (L)

left mullion:

1 piece H - 44 (45° - 45°) Point "A" - Point "A"

right mullion:

1 piece H - 44 (45° - 45°) Point "B" - Point "B"

right transom:

2 pieces (L - 44)/2 - 76 (45° - 90°) Point "B"

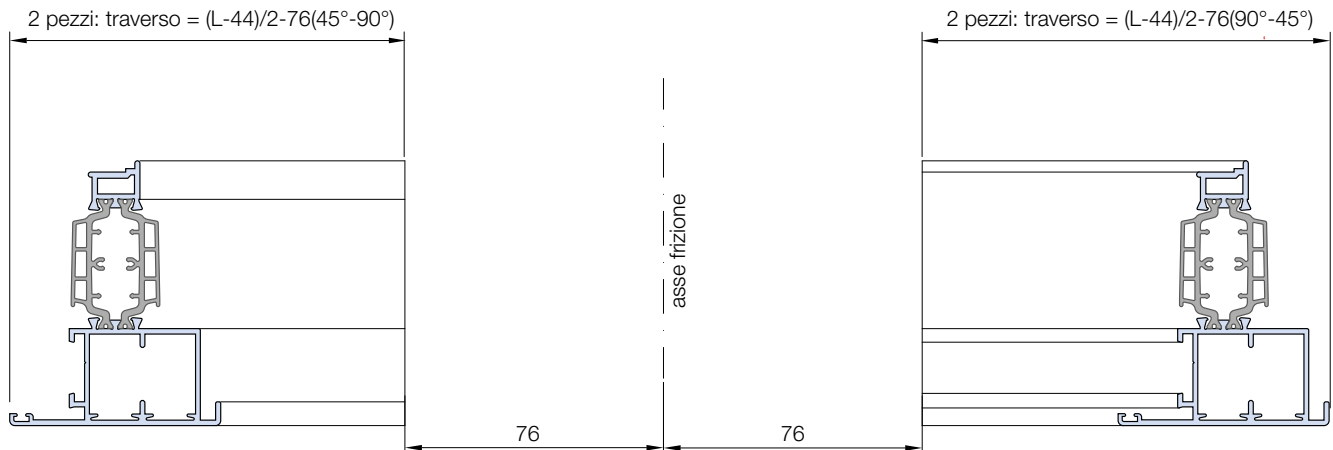
left transom:

2 pieces (L - 44)/2 - 76 (90° - 45°) Point "A"



Dopo aver effettuato il taglio dell'inversione TT 7120, utilizzare i tappi plastici di compenso ACP 50119 inserendoli nella frizione ACP 5092.

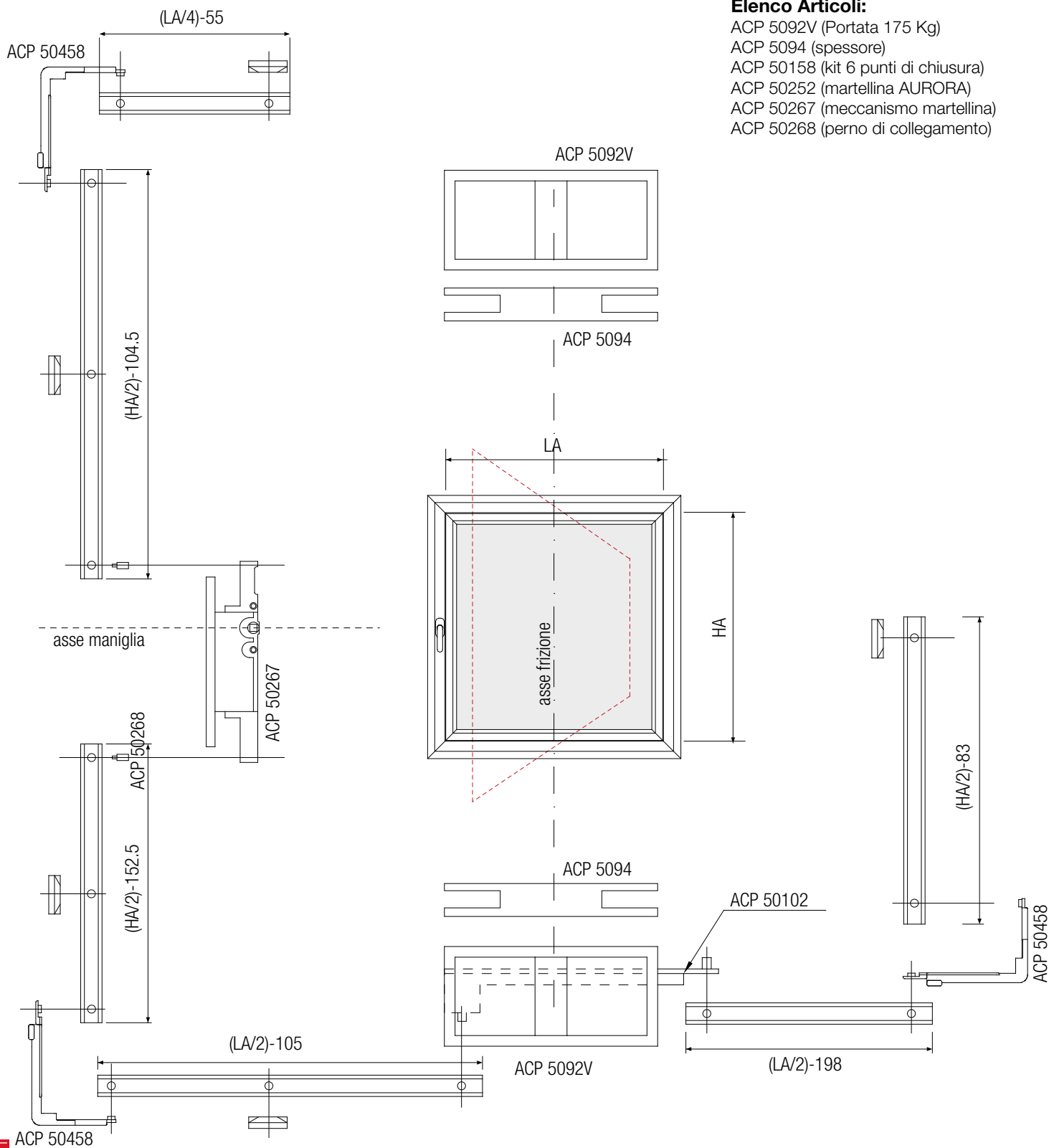
After cutting TT 7120, use plastic plugs ACP 50119



## 55

## Lavorazione taglio asta per applicazione kit ACP 50158, bilico verticale

Working application ACP 50158, vertical pivot window

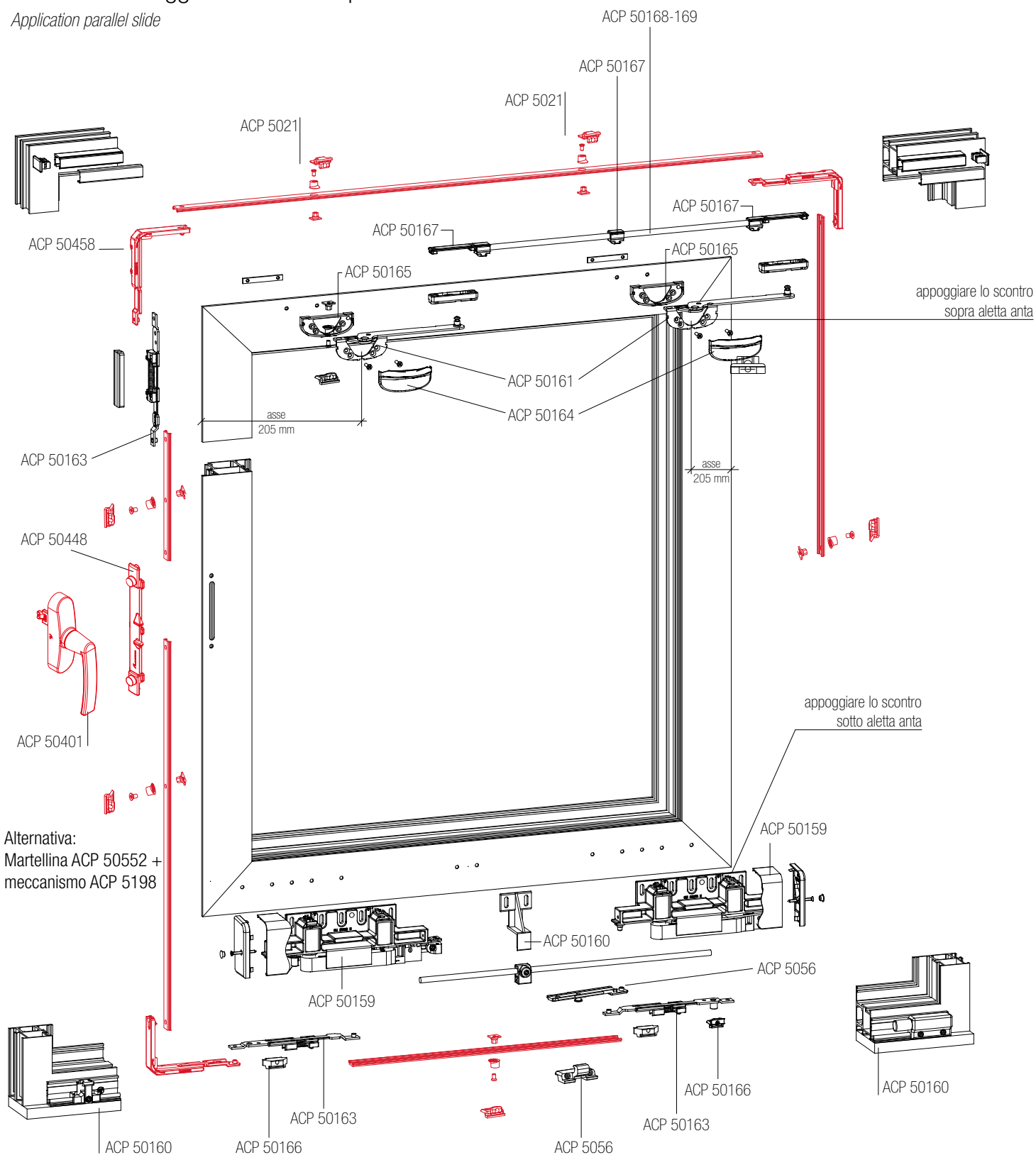
**Elenco Articoli:**

- ACP 5092V (Portata 175 Kg)
- ACP 5094 (spessore)
- ACP 50158 (kit 6 punti di chiusura)
- ACP 50252 (martellina AURORA)
- ACP 50267 (meccanismo martellina)
- ACP 50268 (perno di collegamento)

## 56

### Istruzioni montaggio kit scorrevole parallelo

Application parallel slide



## 57

## Istruzioni funzionamento kit scorrevole parallelo

*Application parallel slide*

**Per uso in manuale**

ACP 50159, ACP 50160, ACP 50161, ACP 50164, ACP 50165

ferramenta battente monodirezionale (ACP 50458, ACP 50401) con doppi incontri sul traverso inferiore

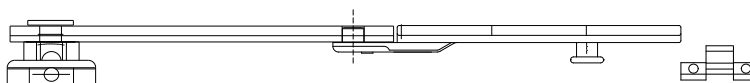
*Manual use*

ACP 50159, ACP 50160, ACP 50161, ACP 50164, ACP 50165

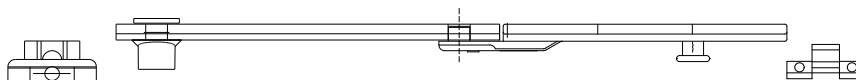
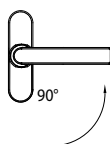
*monidirectional casament fittings (ACP 50458, ACP 50401) with dual keeper*

**CHIUSA**

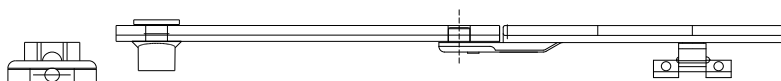
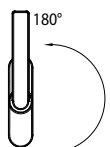
*Closed*

**SCORREVOLE**

*Slide*

**RIBALTA**

*Tilt and turn*

**Per uso in semi-automatico**

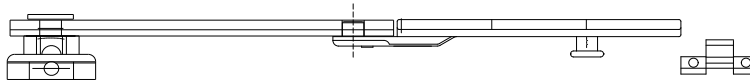
come manuale con l'aggiunta di ACP 50163 e ACP 50166

*Semi-automatic*

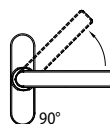
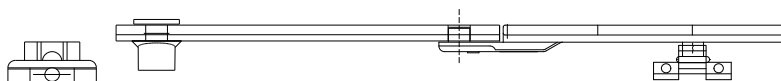
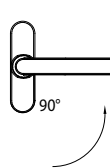
*as manual with the addition*

**CHIUSA**

*Closed*

**RIBALTA**

*Tilt and turn*



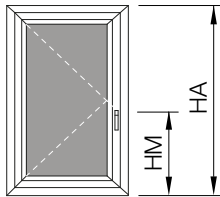
Dando un colpo verso l'alto vado in posizione scorrevole ma la maniglia torna in posizione orizzontale per permettere l'aggancio in ribalta autonomamente

*Giving a shot to the top go to the slide position but the handle back to a horizontal position to allow hooking automatically in tilt and turn*

## 58

### Lavorazione per applicazione martellina su profili ad apertura esterna

*Machining to fit the window handle on open-out profiles*

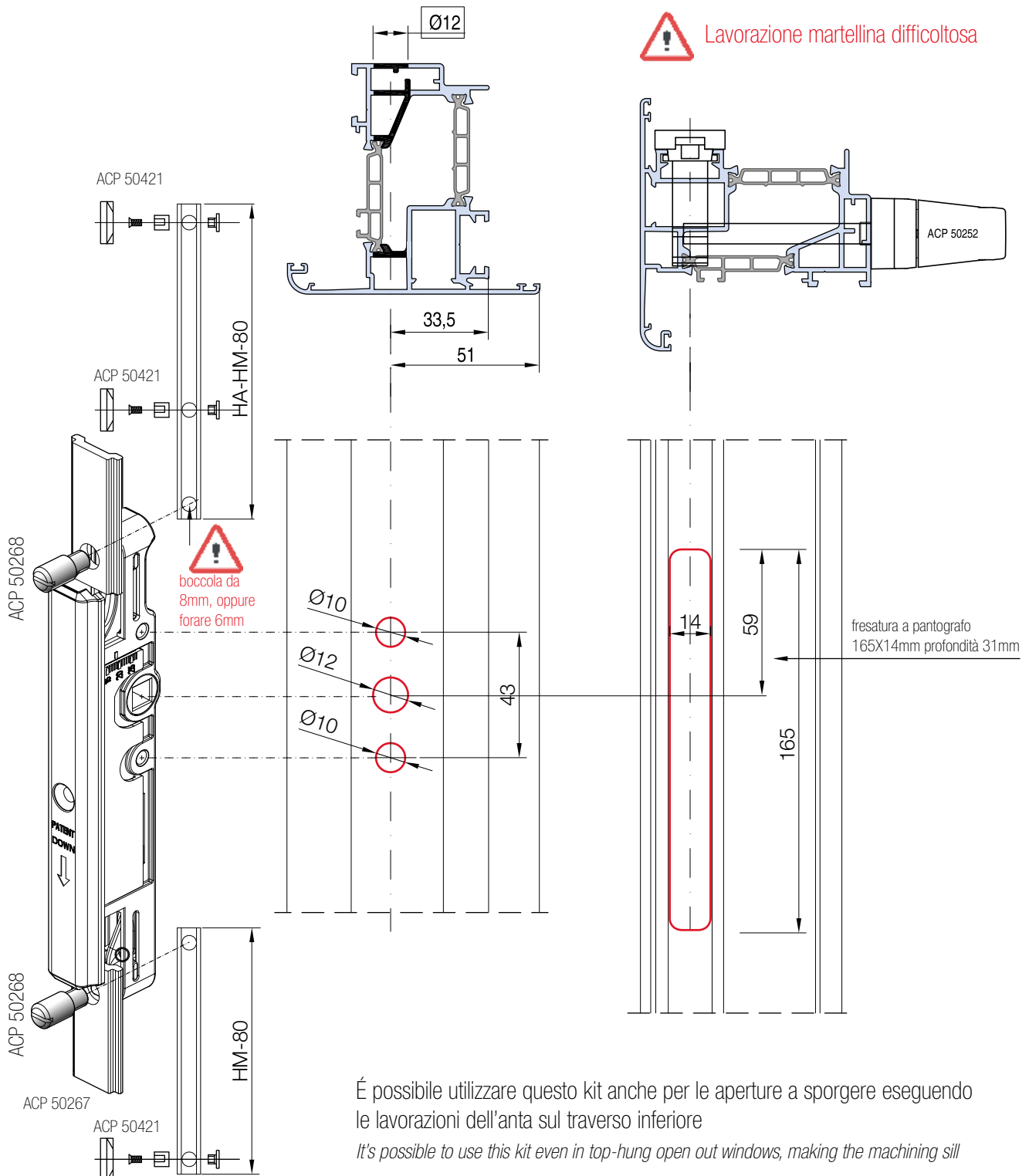


#### ELENCO ARTICOLI:

- ACP 50267 (Comando martellina) pz 1
- ACP 50552 (Martellina) pz 1
- ACP 50421 (Chiusure) pz 3
- ACP 50268 (Perno di collegamento) pz 2



Lavorazione martellina difficoltosa



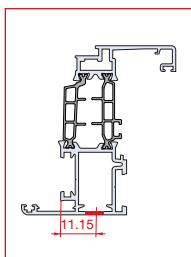
É possibile utilizzare questo kit anche per le aperture a sporgere eseguendo le lavorazioni dell'anta sul traverso inferiore

*It's possible to use this kit even in top-hung open out windows, making the machining sill*

59

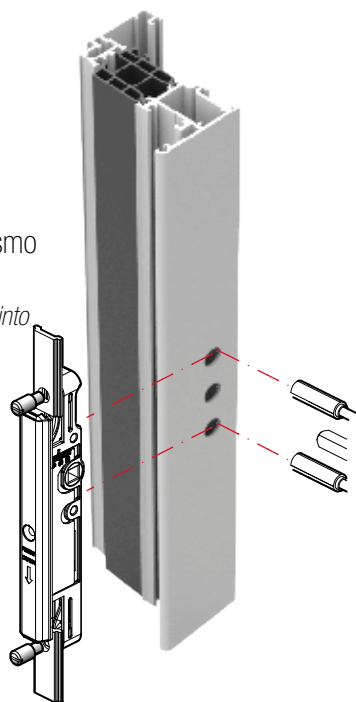
## Applicazione martellina ACP 50552

ACP 50552 application



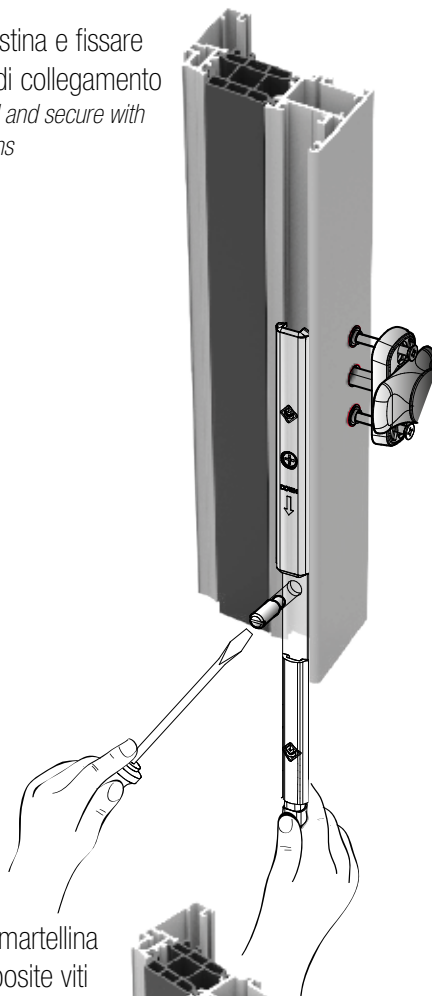
1

Inserire il meccanismo  
nell'apposita sede  
*Insert the mechanism into  
its seat*



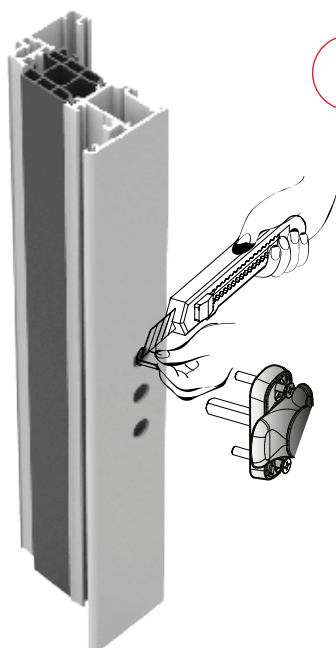
2

Abbinare l'astina e fissare  
con i perni di collegamento  
*Match the rod and secure  
with connecting pins*



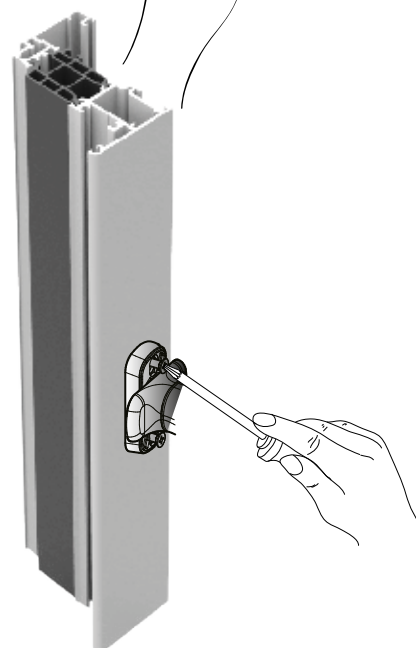
3

Tagliare a misura  
i distanziali plastici  
*Cut to size plastic  
spacers*



4

Fissare la martellina  
con le apposite viti  
*Fix the handle with  
its screws*

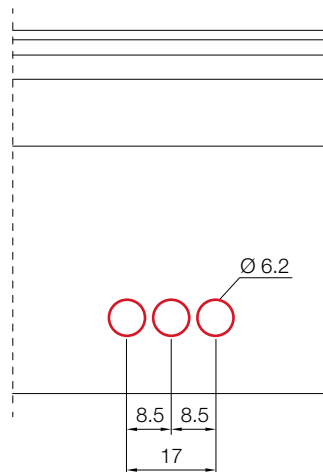
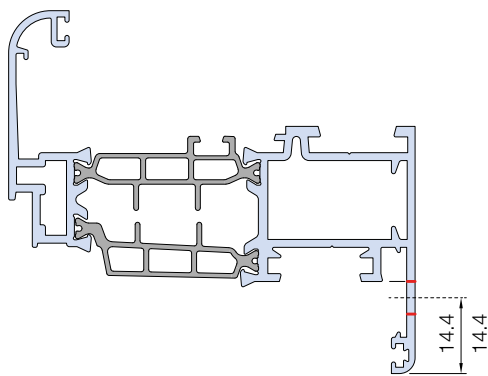




## 60

### Applicazione EXENS ACP 50314

EXENS ACP 50314 application



Ø 6.2  
11.3

1

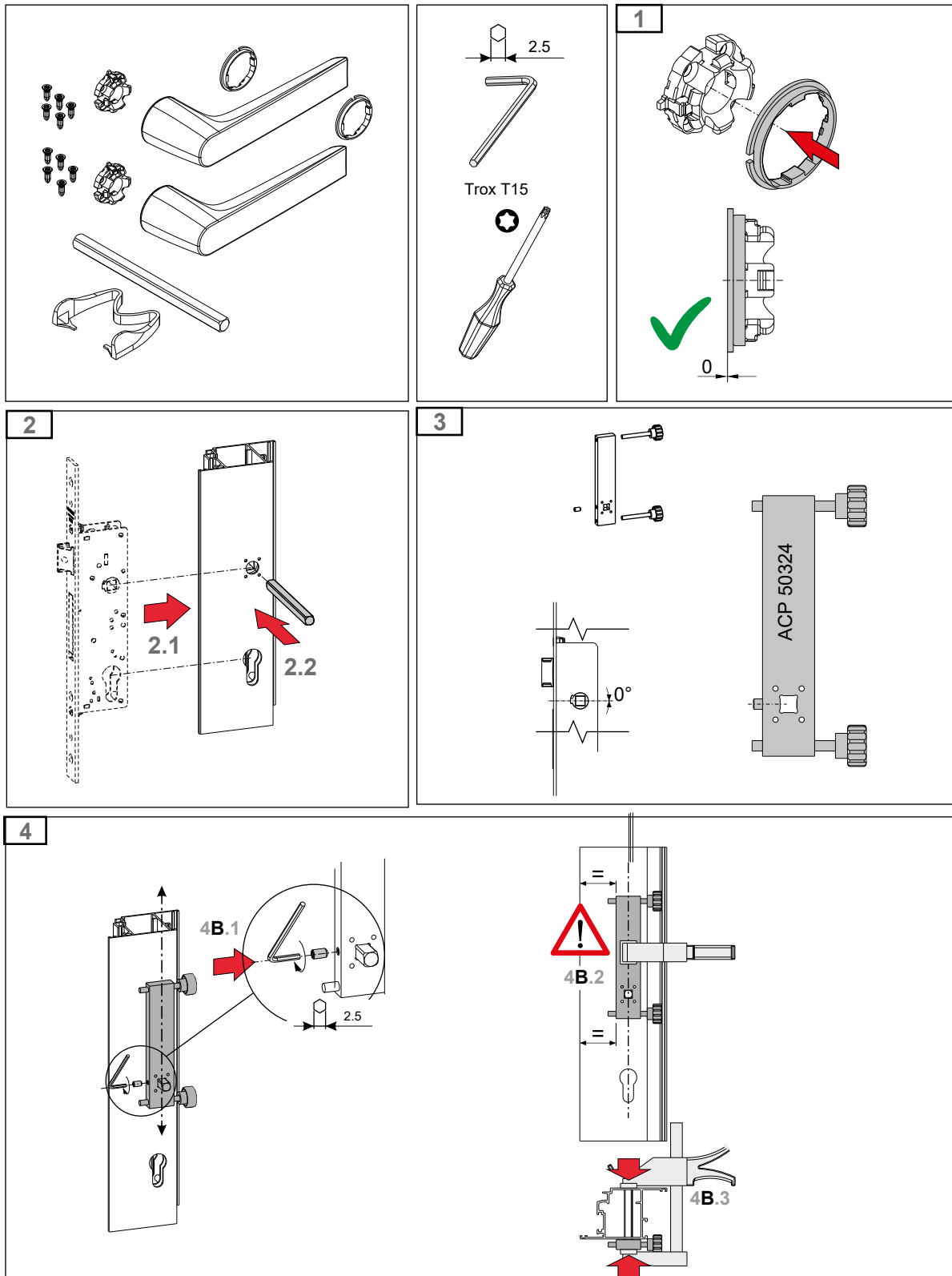
Realizzare fori come  
indicato in rosso  
Making holes as shown

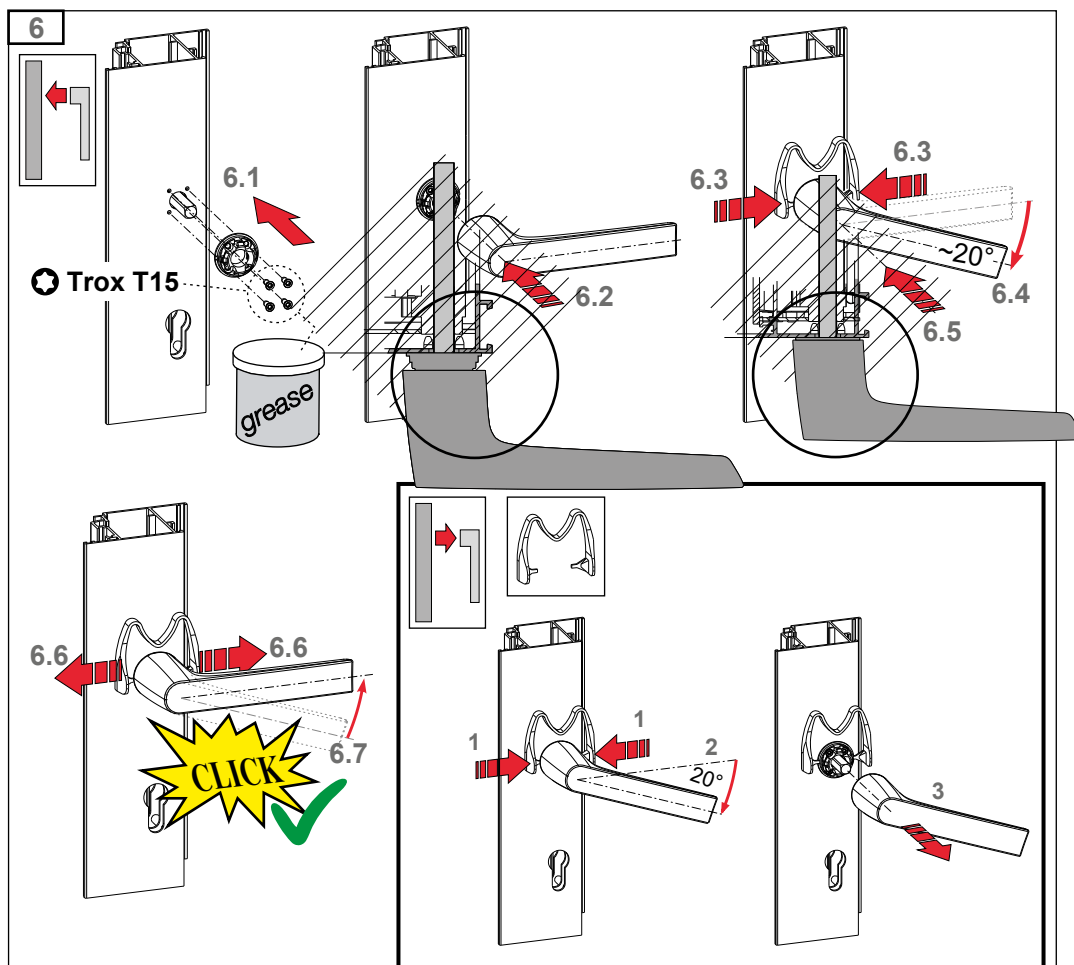
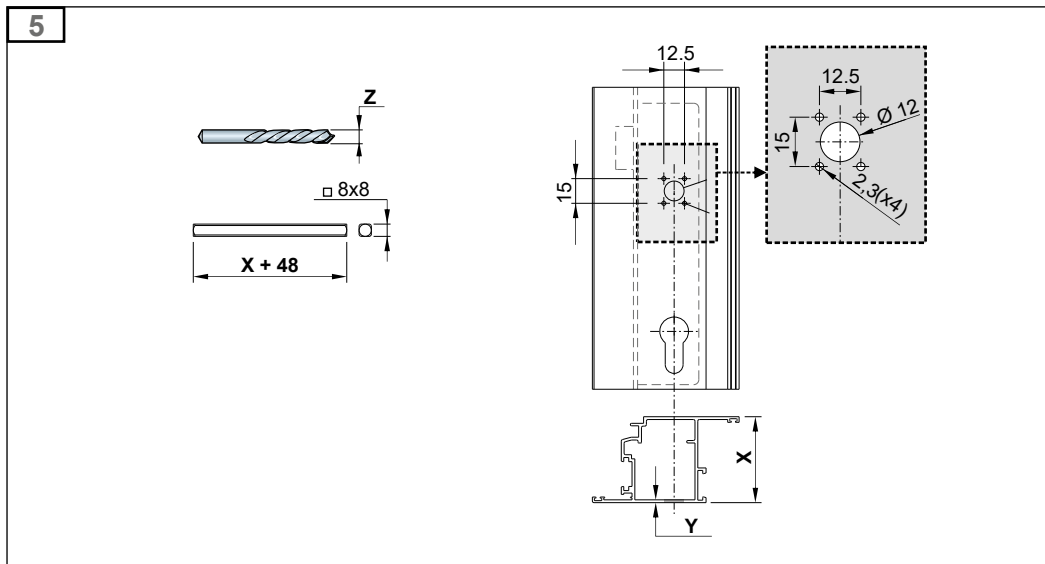
- 2 Inserire il piastrino all'interno del meccanismo  
*Insert plate inside the mechanism*
- 3 Inserire il meccanismo nella cava ferramenta dell'anta  
*Insert mechanism in the hardware quarry of the left*
- 4 Agganciare l'astina all'estremità del meccanismo tramite i perni  
*Attached rod at the end of the mechanism through pins*
- 5 Fissare il meccanismo al profilo con due viti  
*Fixed mechanism to the profile with screws*
- 6 Inserire la EXENS attraverso i fori 3 fori nel meccanismo e serrare il tutto con i 2 grani inclusi nella confezione  
*Insert EXENS into the mechanism and fixed with 2 grubs screw*

# 61

## Applicazione doppia maniglia EXENS linea Aurora ACP 50318

Double handle application EXENS Aurora line ACP 50318

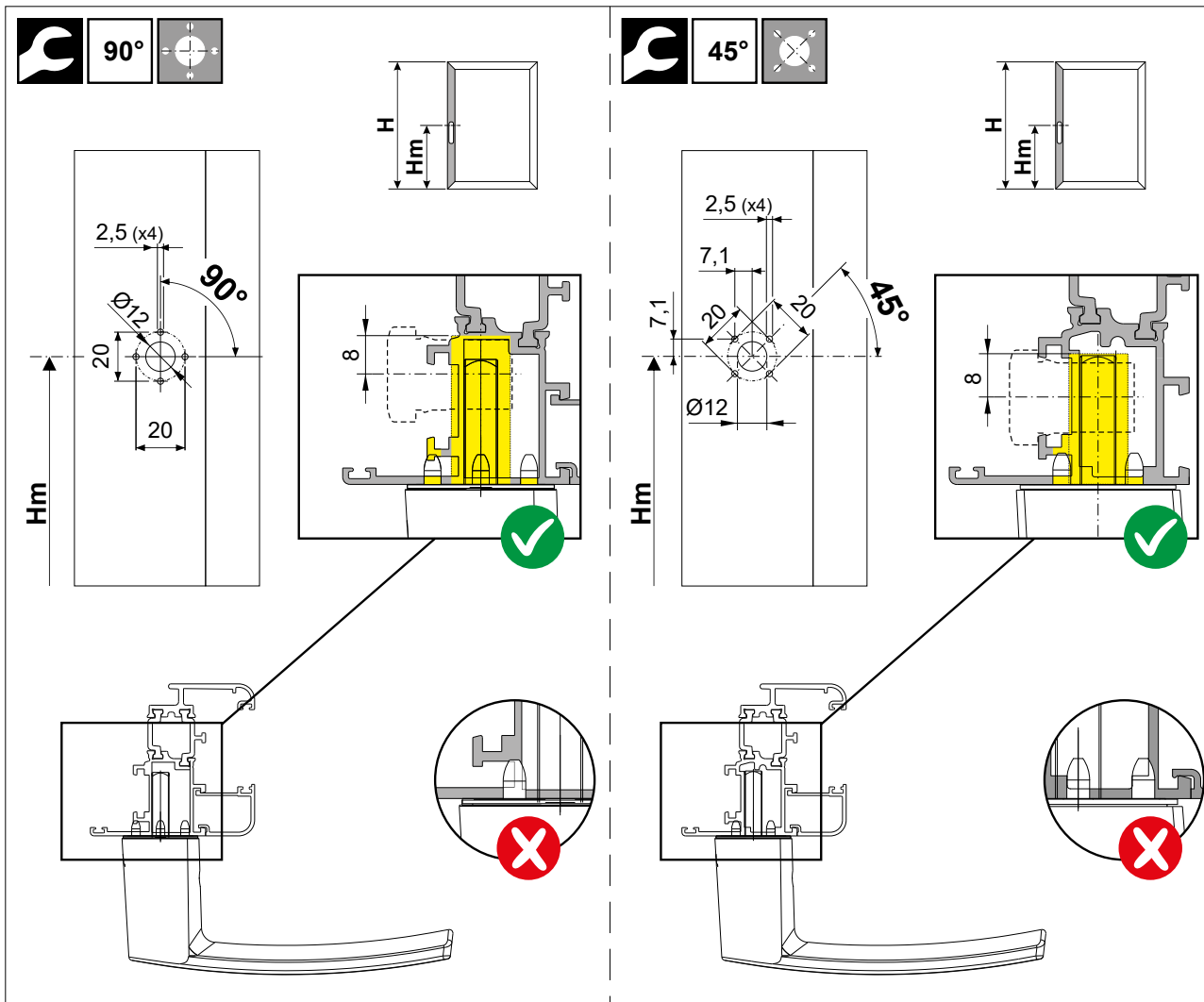
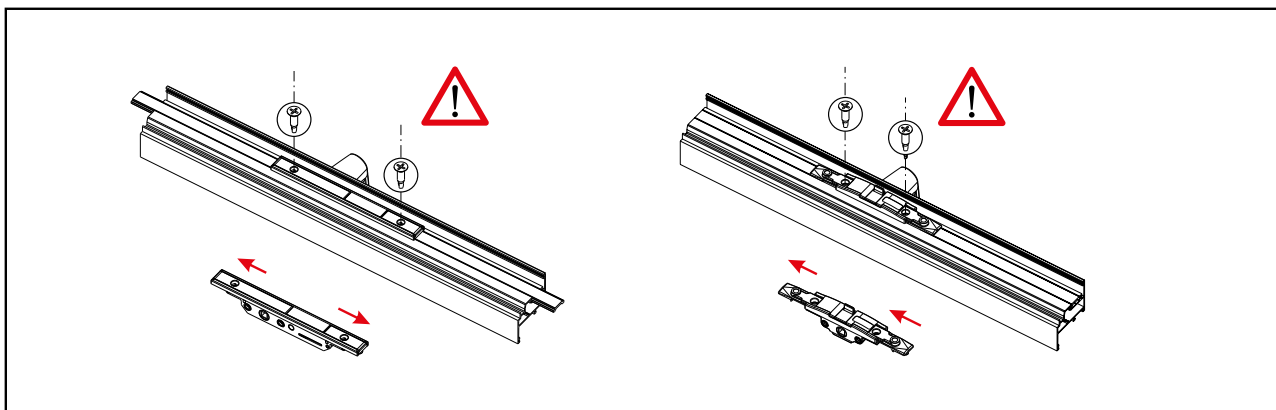
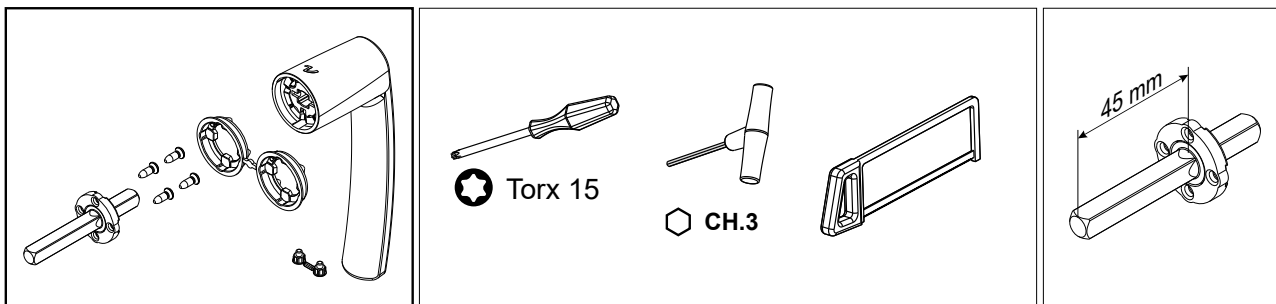


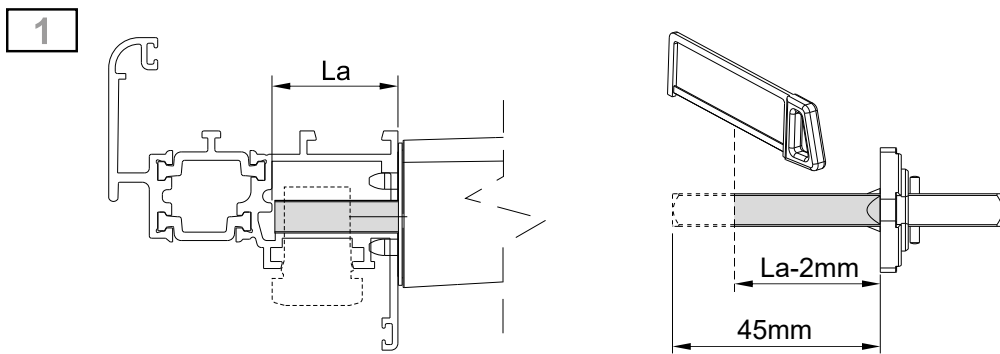


# 62

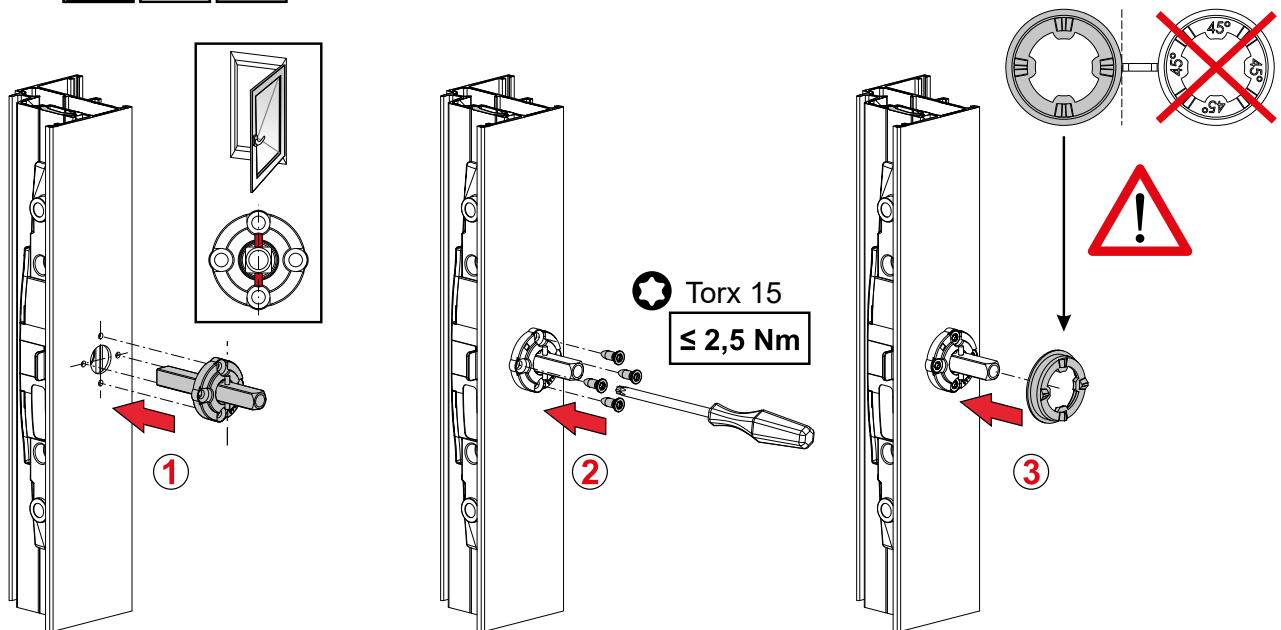
## Applicazione EXENS linea AURORA quadro 7mm ACP 50330

EXENS application AURORA line 7mm square ACP 50330

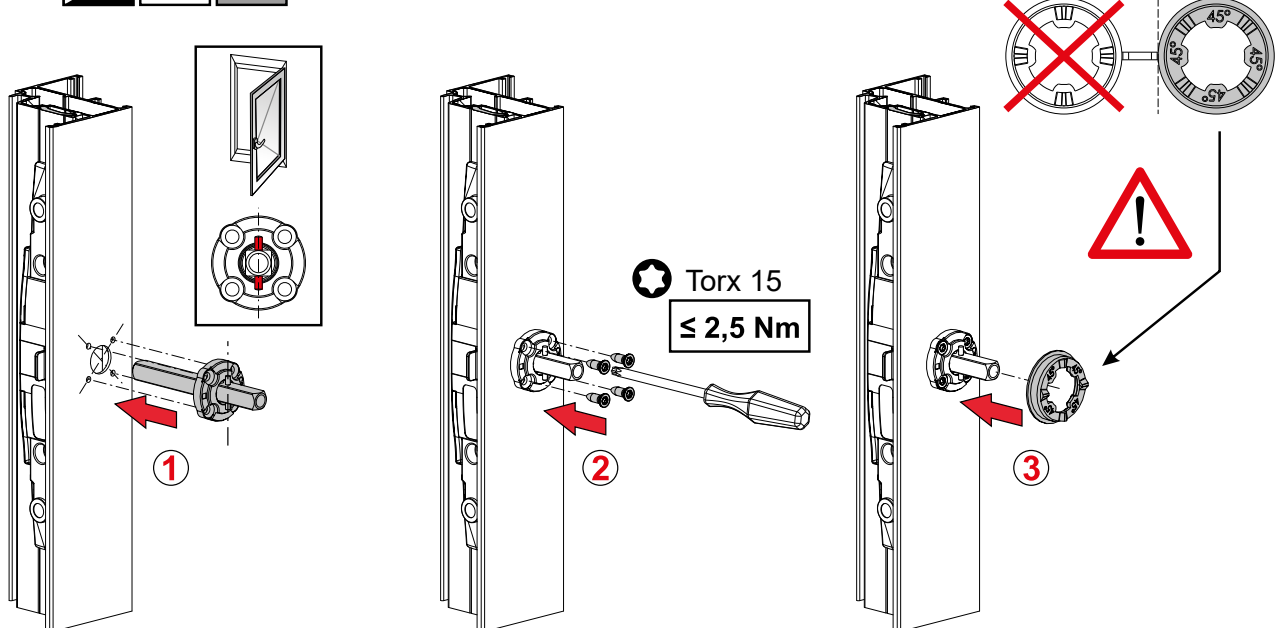




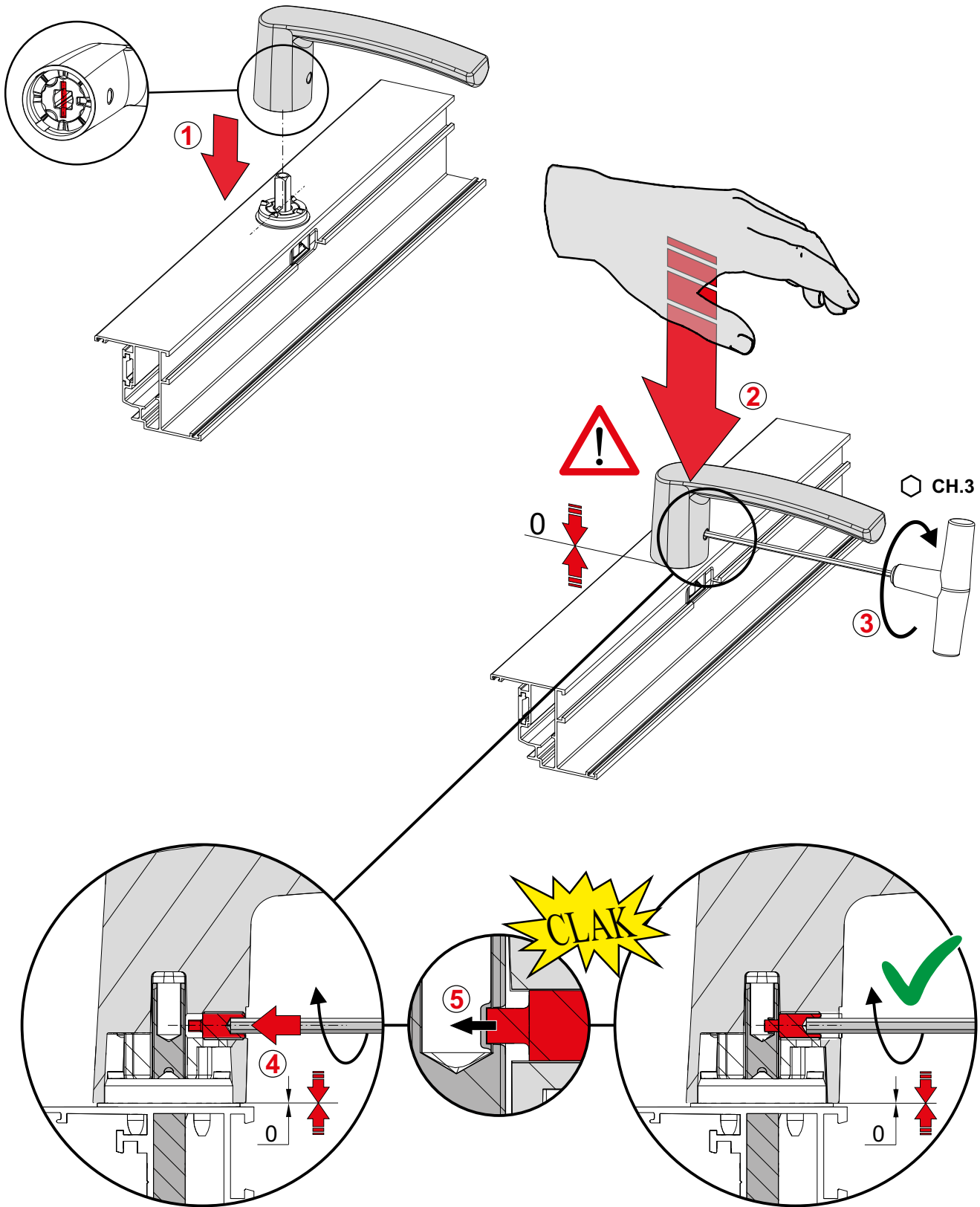
**2.A** **90°**



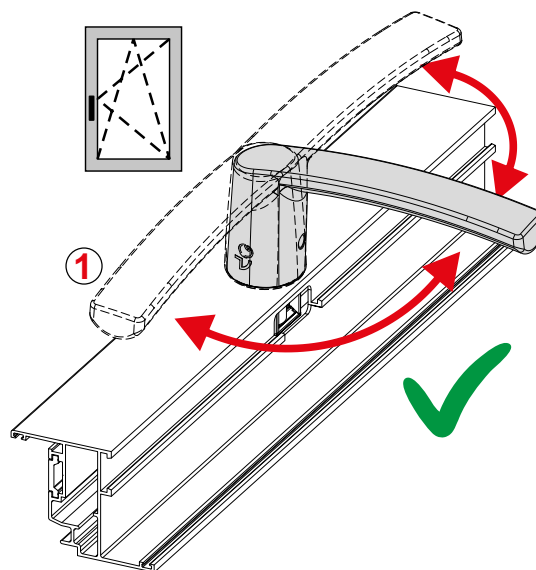
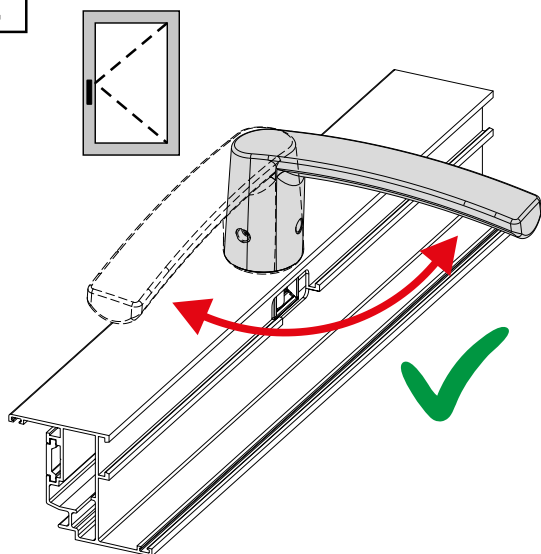
**2.B** **45°**



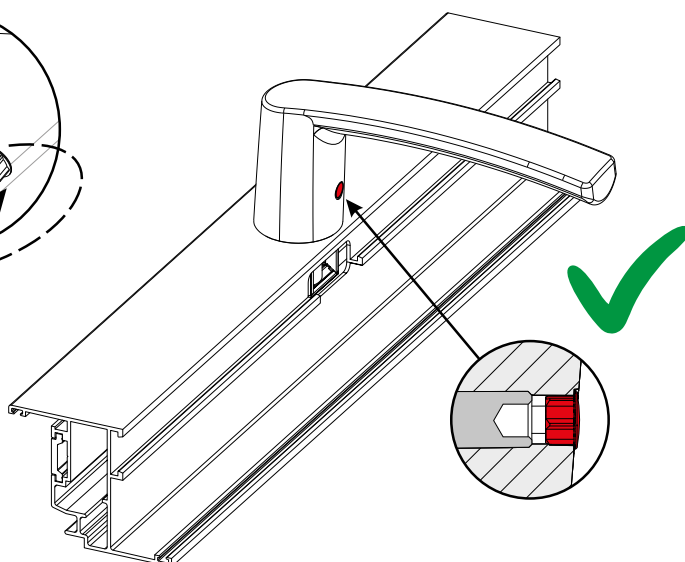
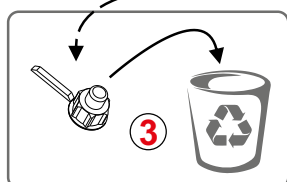
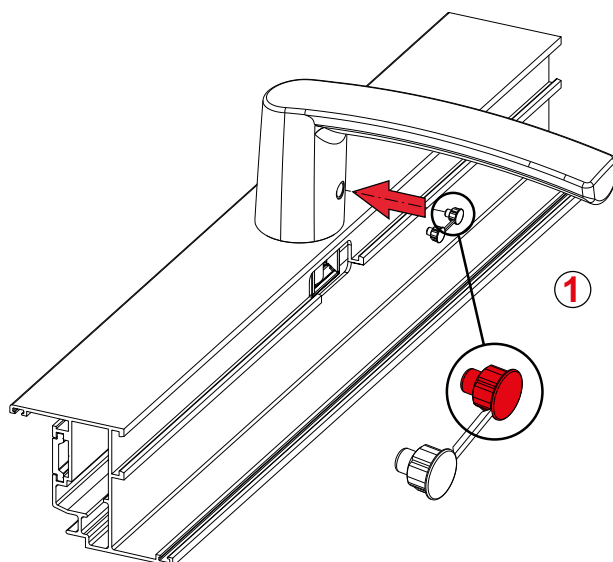
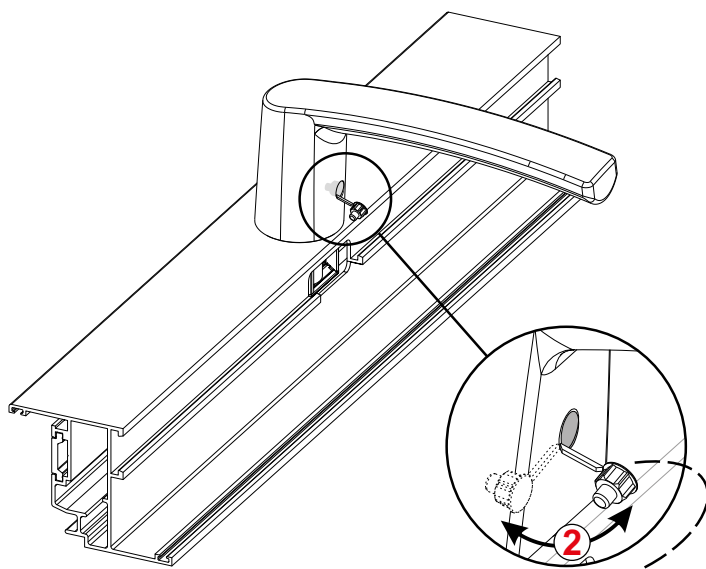
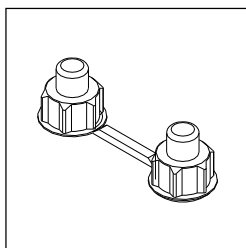
3



4



5



## 63

Montaggio SECRET anta a ribalta **portata max 100kg**

Assembly tilt & turn system, SECRET serie, capacity 100kg

## PESO MASSIMO DELL'ANTA (ALLUMINIO E VETRO)

Maximum wing weight (aluminium and glass)

2500	100	100	100	100	100	100	100	100	100	100	100	100
2400	100	100	100	100	100	100	100	100	100	100	100	100
2300	100	100	100	100	100	100	100	100	100	100	100	100
2200	100	100	100	100	100	100	100	100	100	100	100	100
2100	100	100	100	100	100	100	100	100	100	100	100	100
2000	100	100	100	100	100	100	100	100	100	100	100	100
1900	100	100	100	100	100	100	100	100	100	100	100	100
1800	100	100	100	100	100	100	100	100	100	100	100	100
1700	100	100	100	100	100	100	100	100	100	100	100	98
1600	100	100	100	100	100	100	100	100	100	100	99	92
1500	100	100	100	100	100	100	100	100	100	100	93	87
1400	100	100	100	100	100	100	100	100	100	93	87	81
1300	100	100	100	100	100	100	100	100	94	87	80	75
1200	100	100	100	100	100	100	100	95	87	80	74	69
1100	100	100	100	100	100	100	95	87	79	73	68	
1000	100	100	100	100	96	87	79	72	67			
900	100	100	100	98	87	78	71	65				
800	100	100	99	87	77	69	63					
700	100	100	87	76	67	61						
600	472	500	600	700	800	900	1000	1100	1200	1300	1400	1500

Altezza anta (mm)  
Wing height (mm)

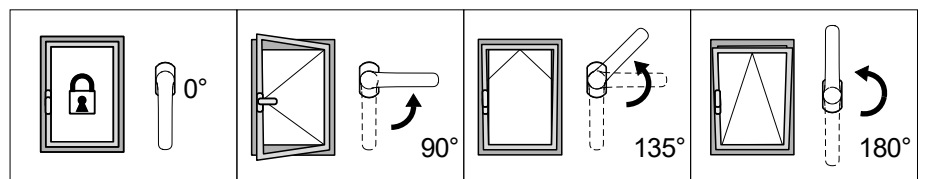
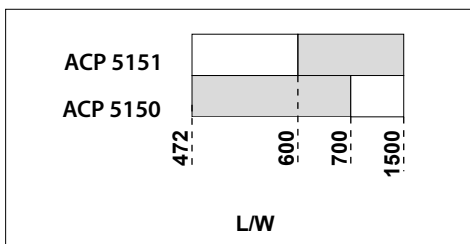
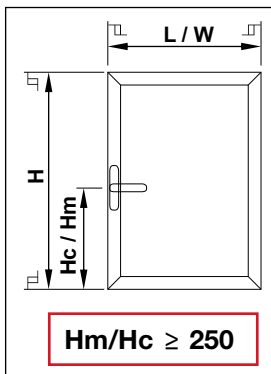
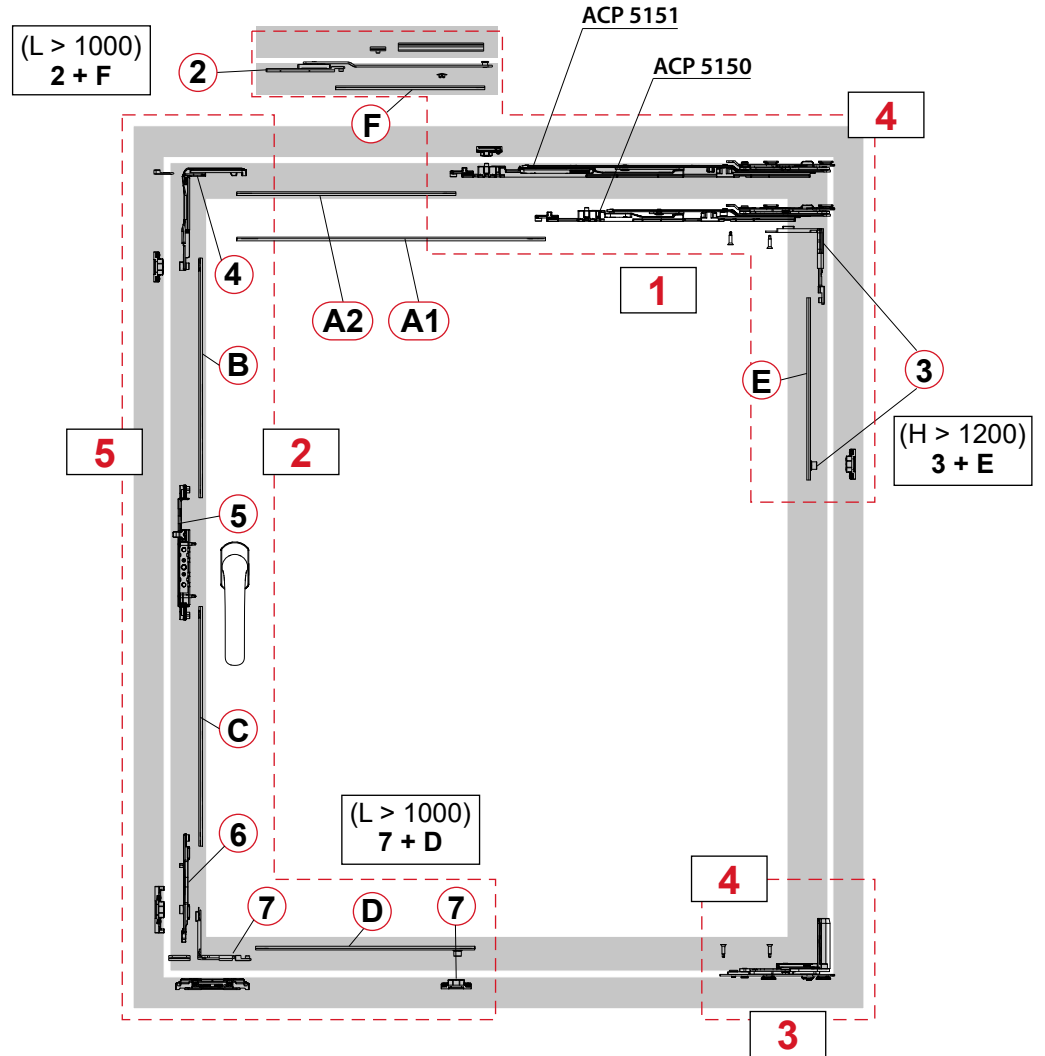
Larghezza anta (mm)  
Wing width (mm)

 **Non realizzabile**  
Not possible

Le portate e il perfetto funzionamento dell'accessorio vengono garantiti solo se non vi sono impedimenti nella movimentazione dell'anta che forzino in modo anomalo le cerniere (ad esempio spallature, tappi od altri elementi di arresto).

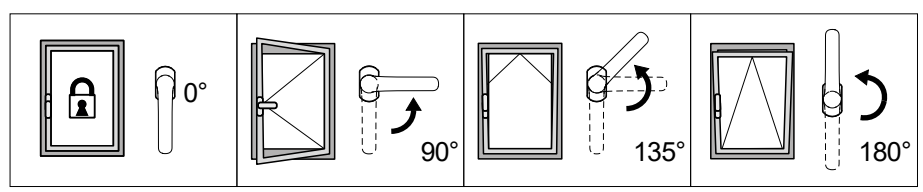
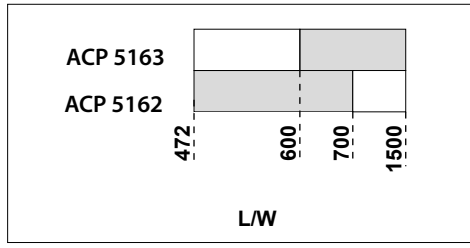
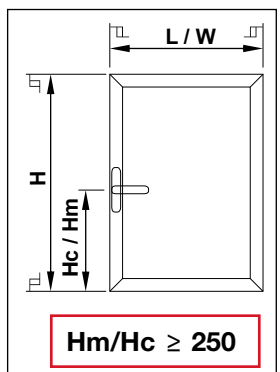
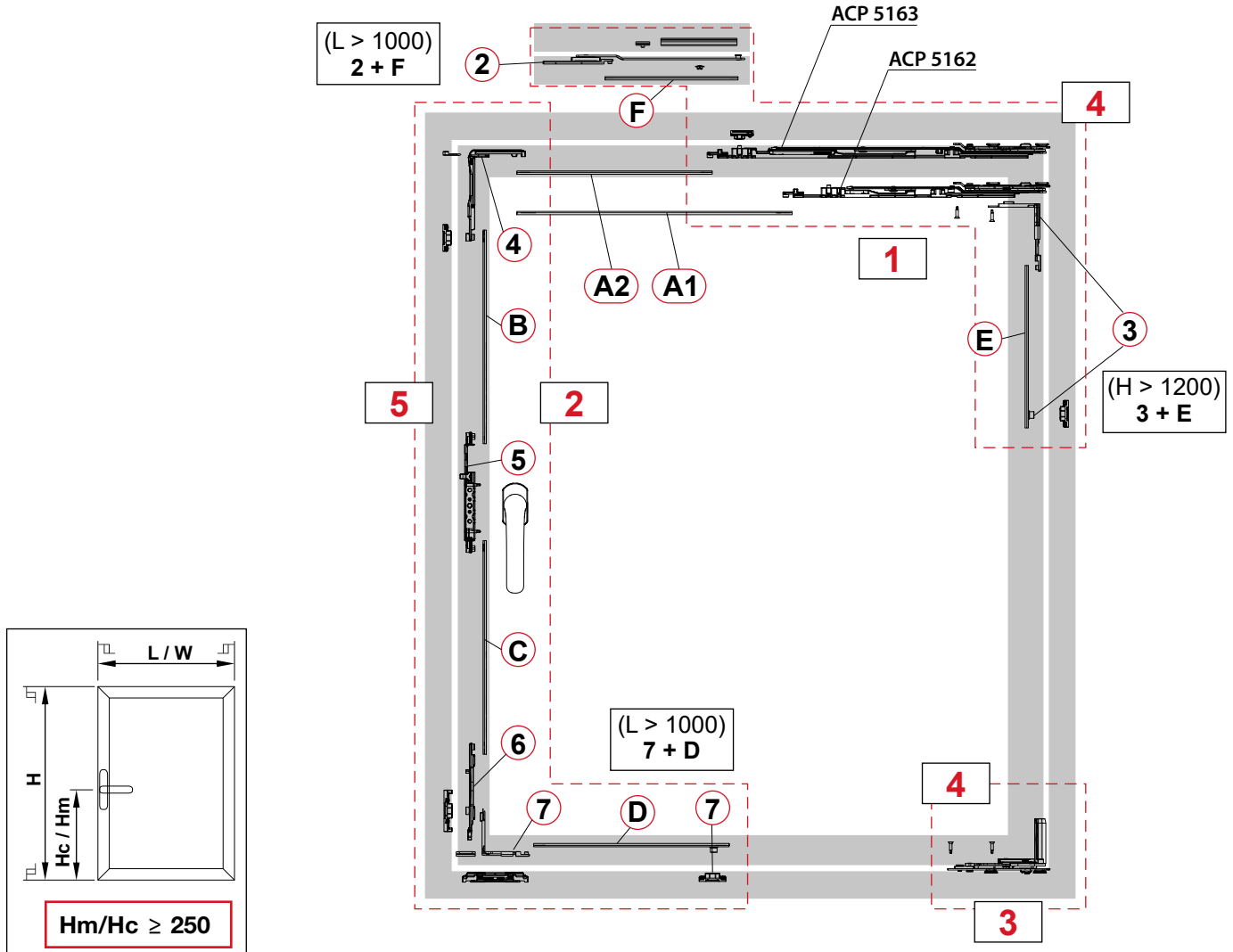
*The capacities and correct functioning of the accessory are only guaranteed if there are no obstacles preventing movement of the wing which force the hinges excessively (such as protrusions, stoppers or other stop elements)*



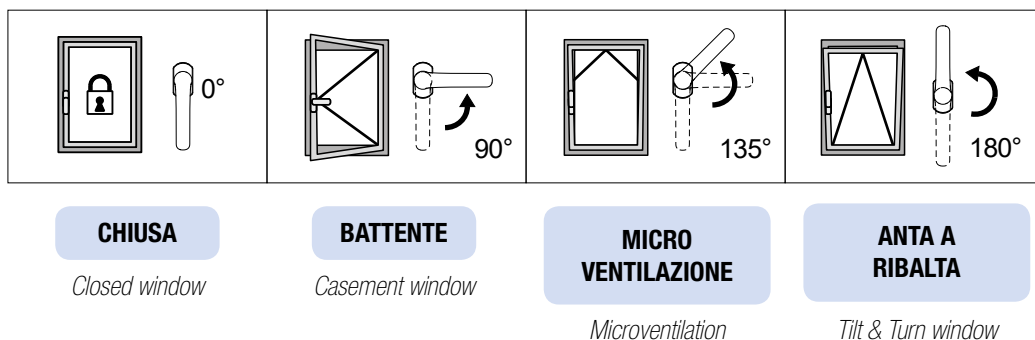


2500		<p>A1=L-415 B=H-Hc-207 C=Hc-207 E=H/2-69</p>		<p>A2=L-538 B=H-Hc-207 C=Hc-207 E=H/2-69</p>		<p>F=L-633 B=H-Hc-207 C=Hc-207 D=L/2-69 E=H/2-69</p>			
1200		<p>A1=L-415 B=H-Hc-207 C=Hc-207</p>		<p>A2=L-538 B=H-Hc-207 C=Hc-207</p>		<p>F=L-633 B=H-Hc-207 C=Hc-207 D=L/2-69</p>			
600	472	ACP 5150	700	600	ACP 5151	1000	1001	ACP 5151	1500



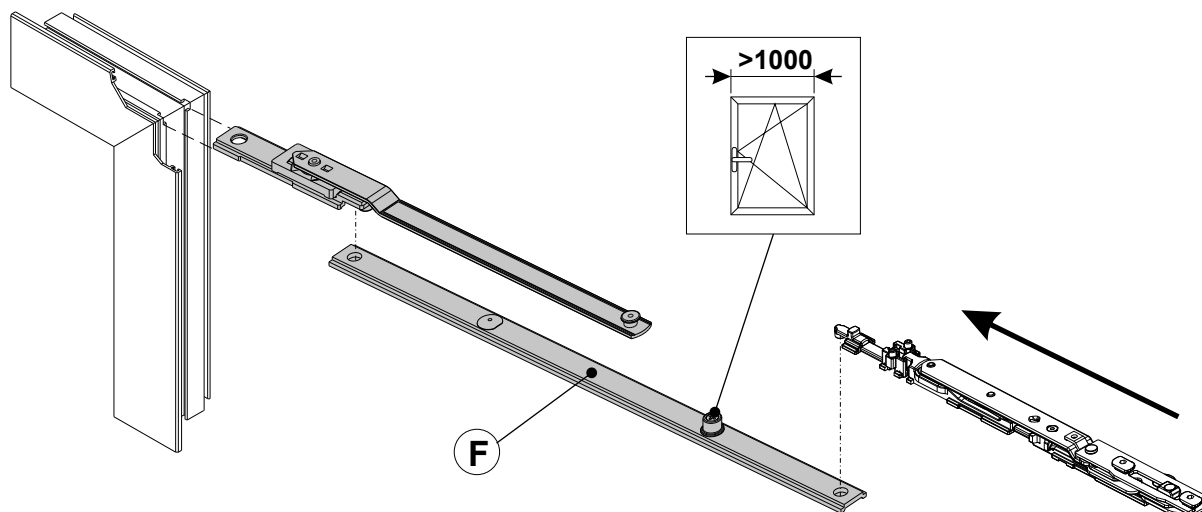
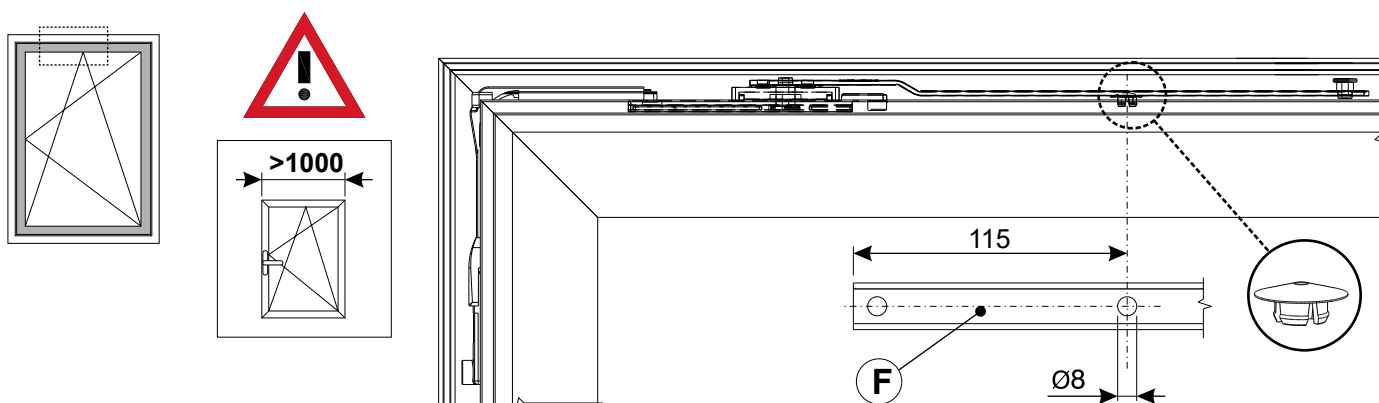


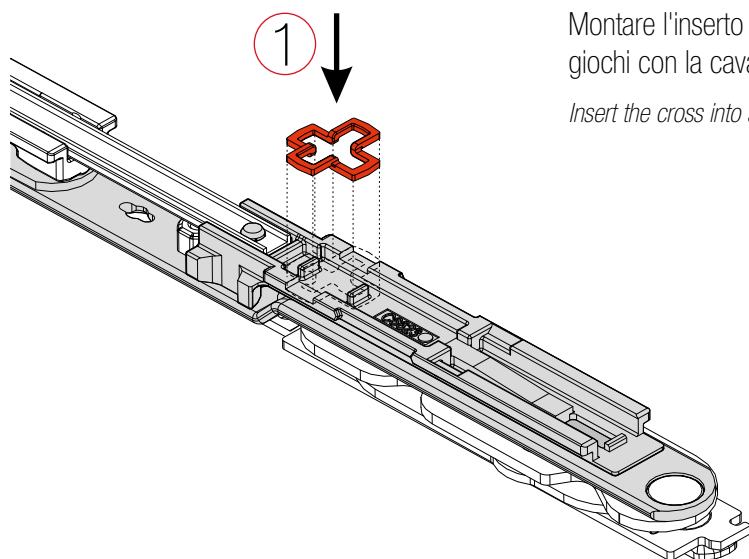
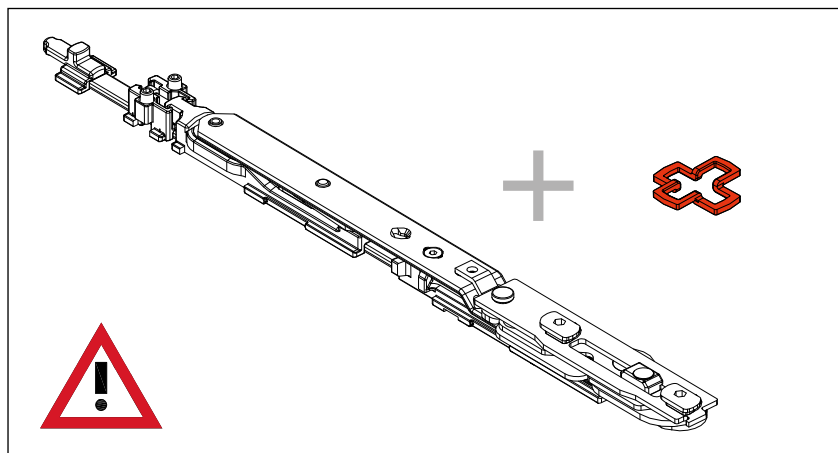
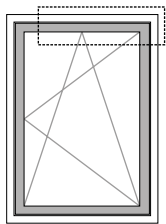
2800		<p>A1=L-415 B=H-Hc-207 C=Hc-207 E=H/2-69</p>		<p>A2=L-538 B=H-Hc-207 C=Hc-207 E=H/2-69</p>		<p>F=L-633 B=H-Hc-207 C=Hc-207 D=L/2-69 E=H/2-69</p>			
1200		<p>A1=L-415 B=H-Hc-207 C=Hc-207</p>		<p>A2=L-538 B=H-Hc-207 C=Hc-207</p>		<p>F=L-633 B=H-Hc-207 C=Hc-207 D=L/2-69</p>			
600	472	ACP 5162	700	600	ACP 5163	1000	1001	ACP 5163	1500



Montaggio del braccio supplementare ACP 5153 per aperture superiori a 1000mm

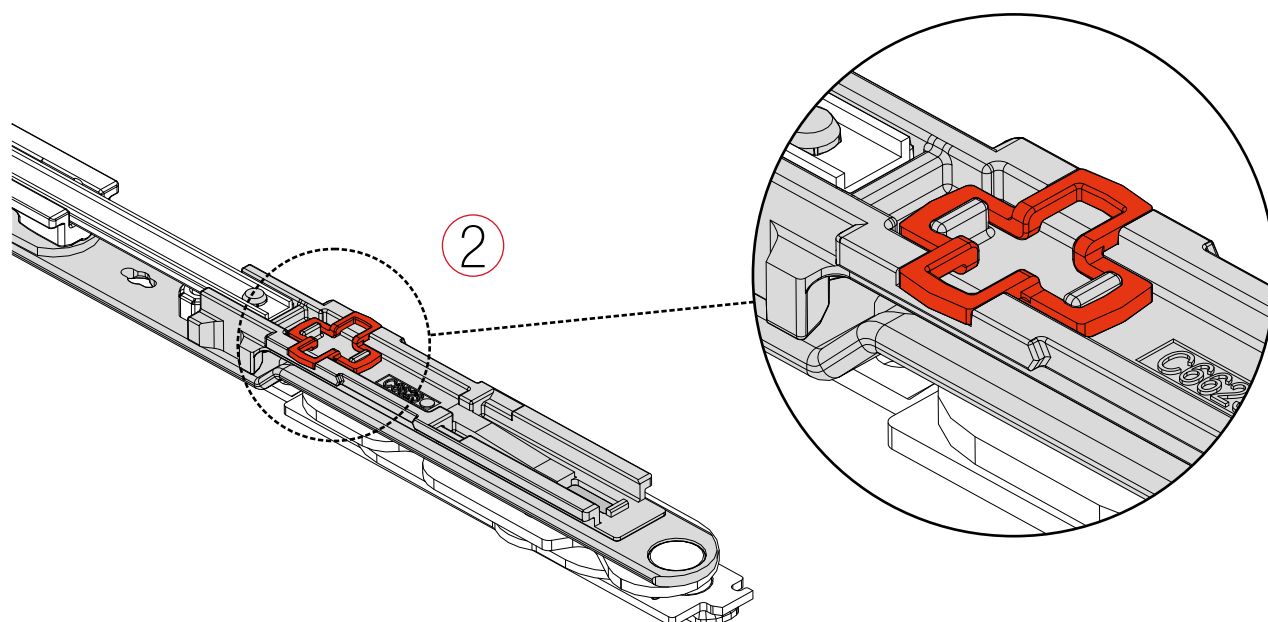
Usage additional arm ACP 5153 for >1000m

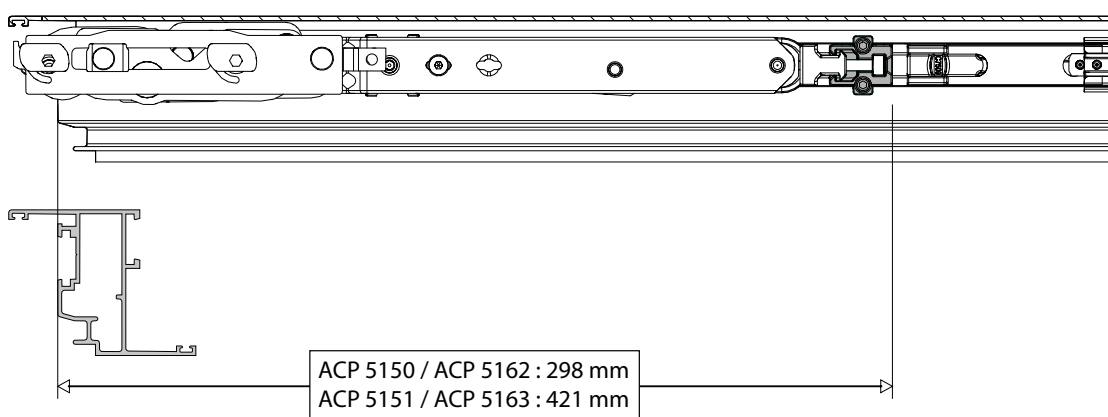
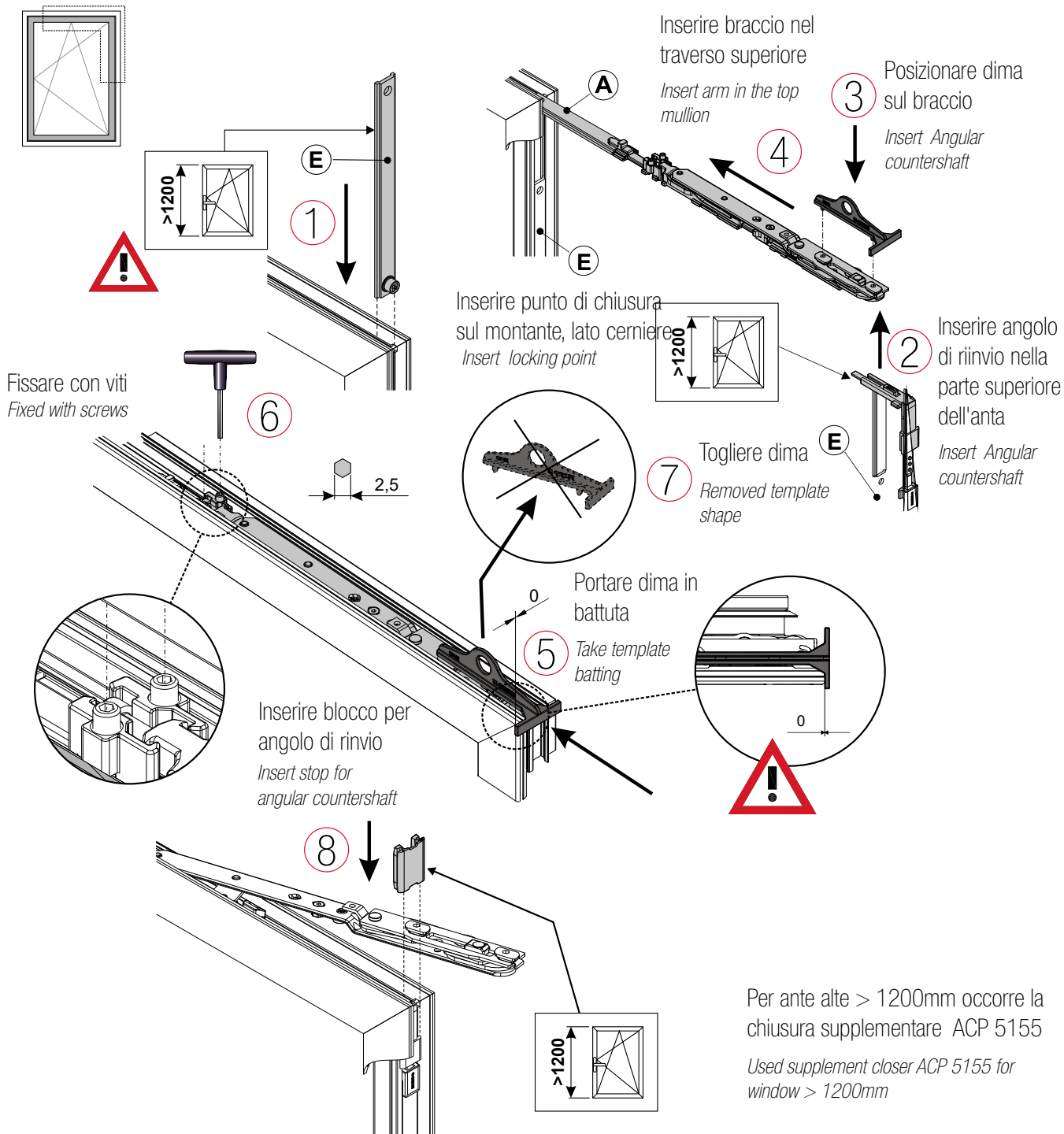




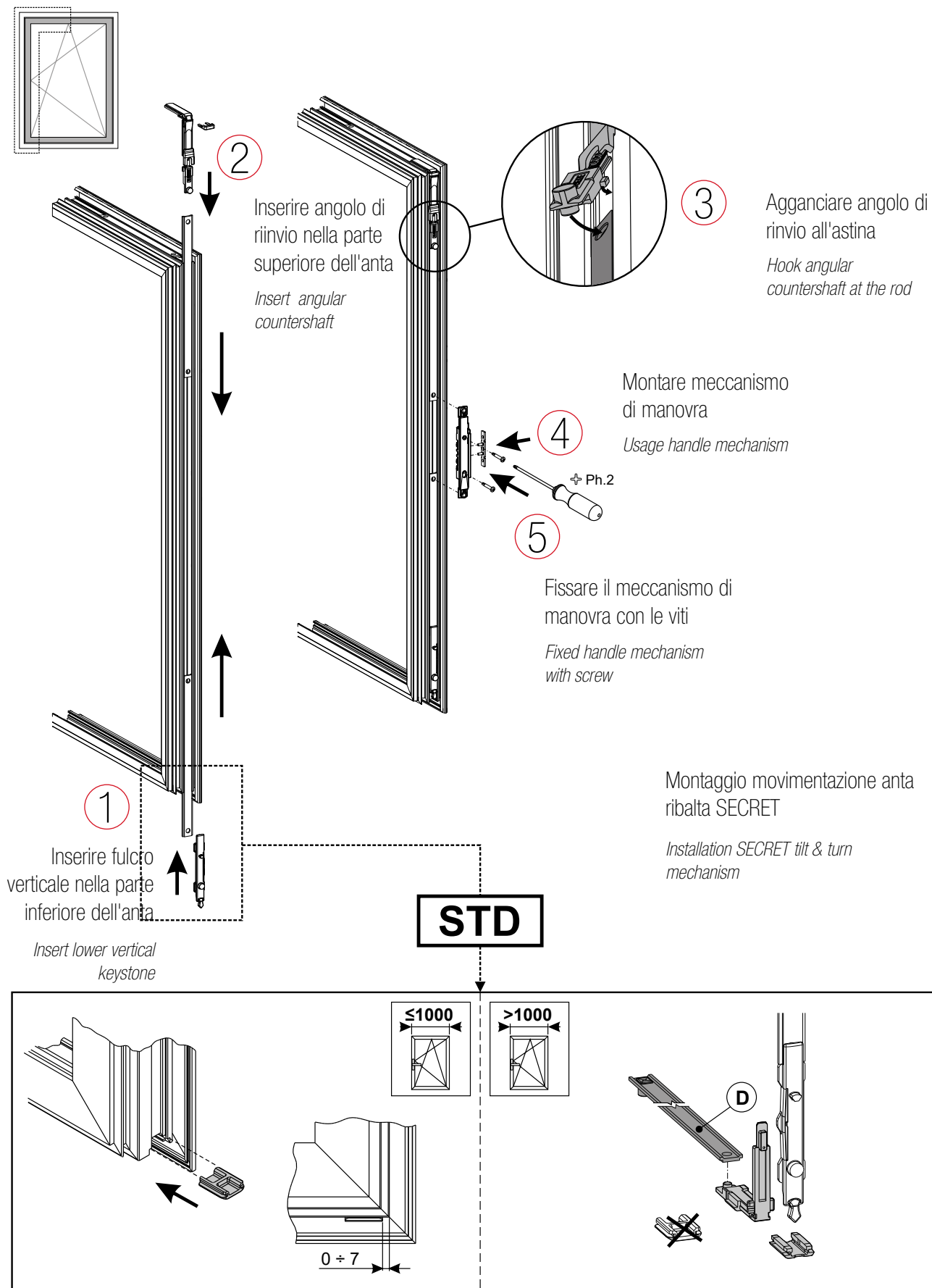
Montare l'inserto a croce prima di inserire il braccio per eliminare i giochi con la cava profilo

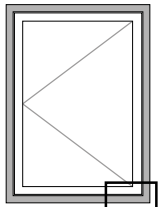
*Insert the cross into slot profile*



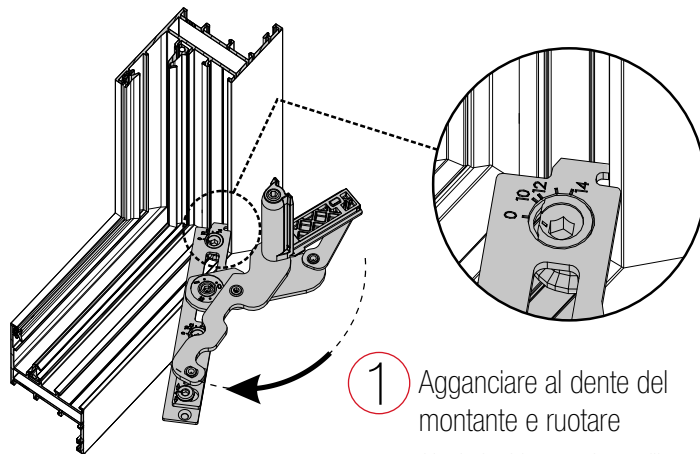


STD = Manovra standard

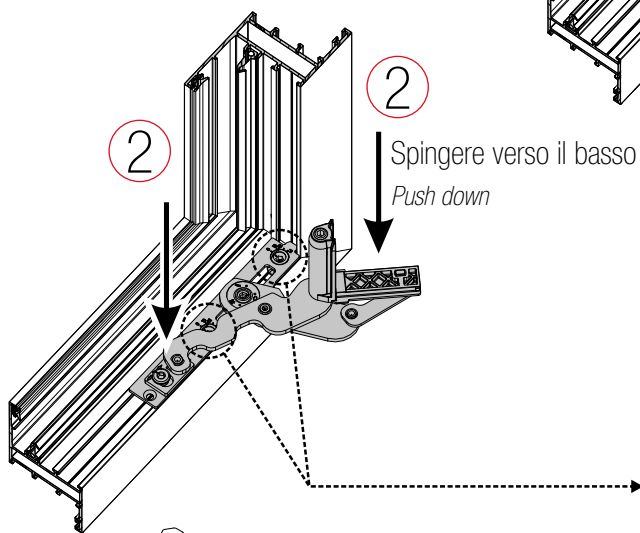




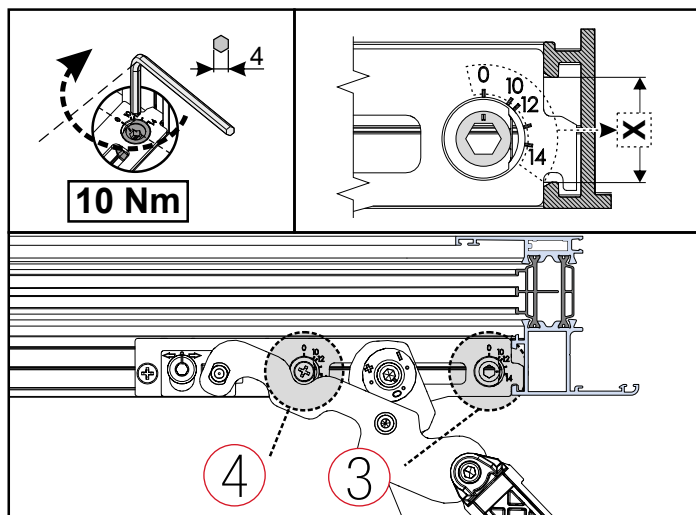
Montaggio cerniera SECRET  
Installation SECRET hinge



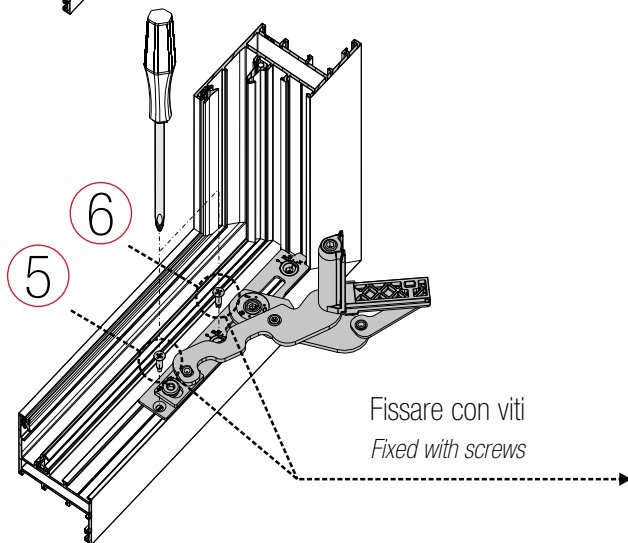
1 Agganciare al dente del montante e ruotare  
Hook the hinge to the mullion



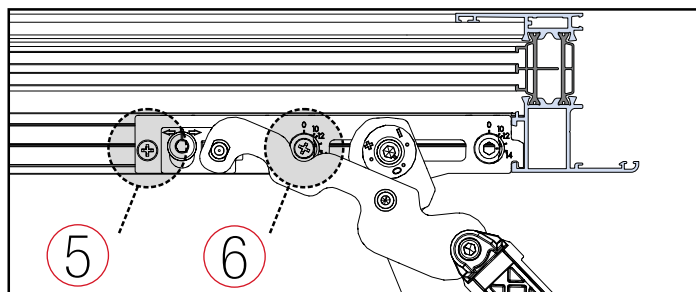
2 Spingere verso il basso  
Push down



Girare Cam  
Screwed Cam

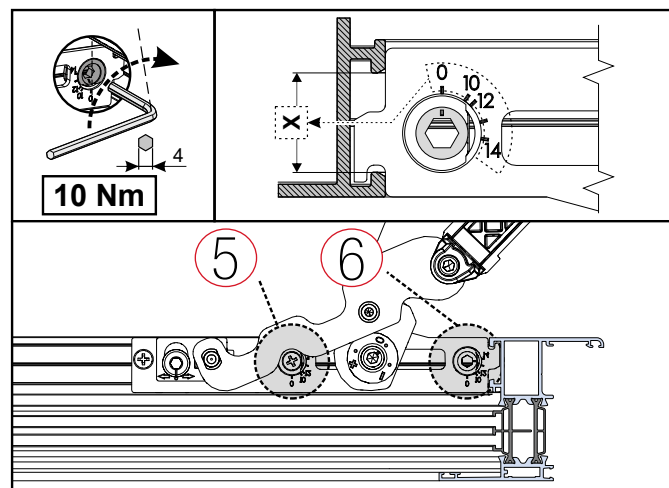
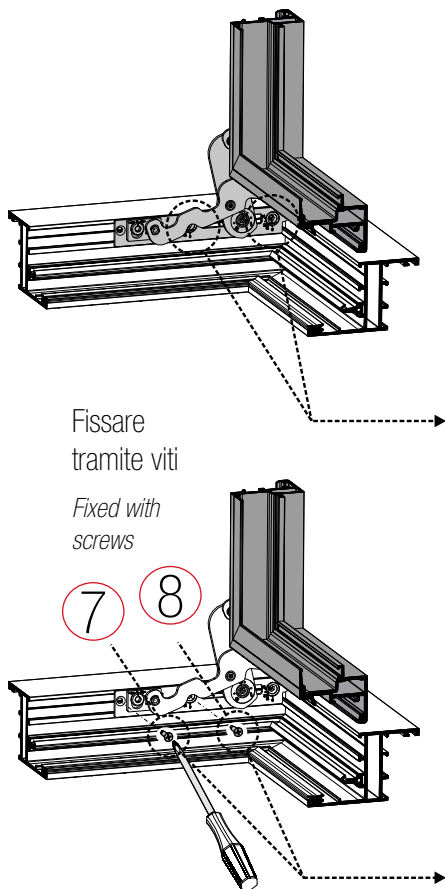
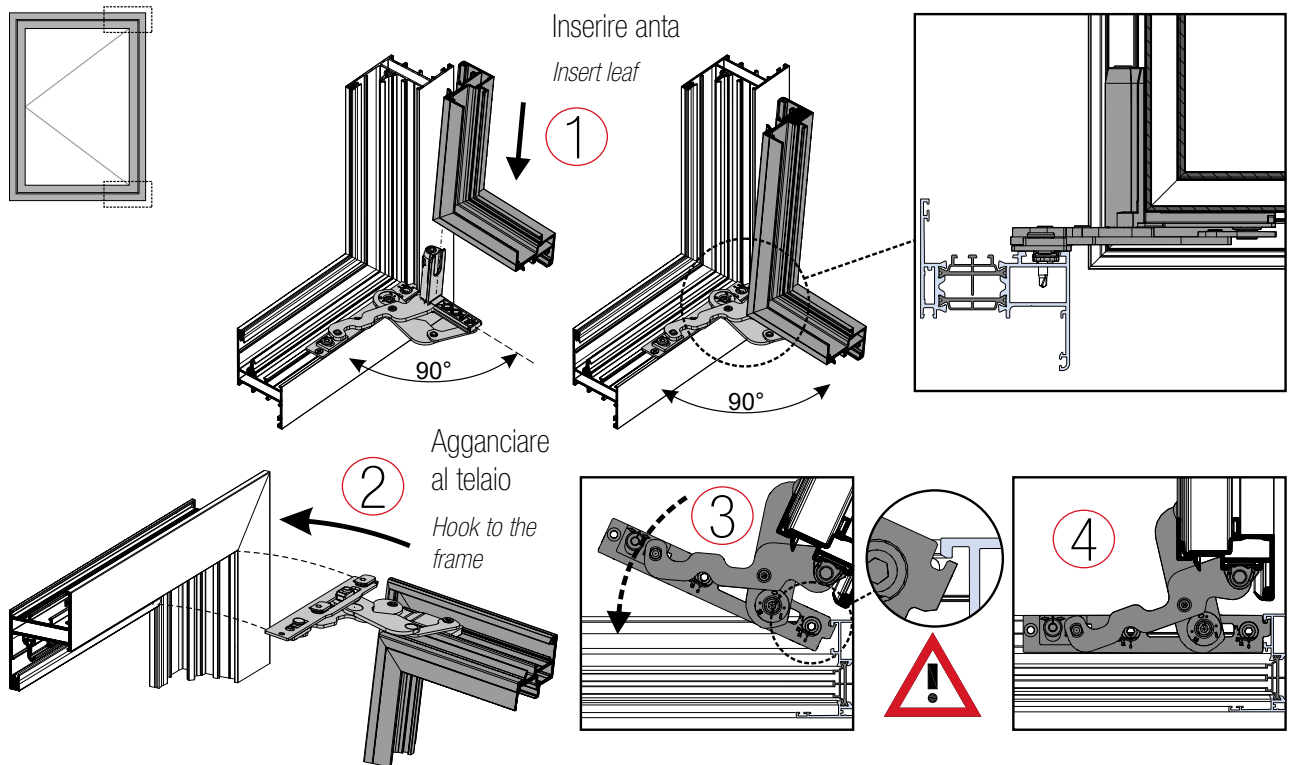


Fissare con viti  
Fixed with screws

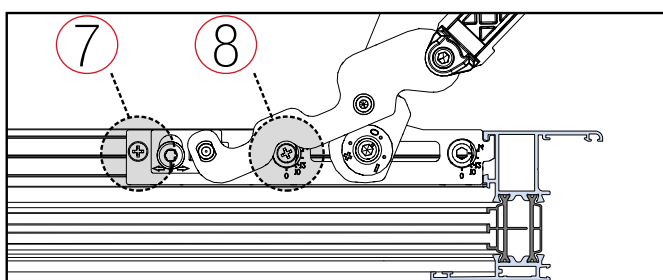


Stringere le viti  
Tighten screws

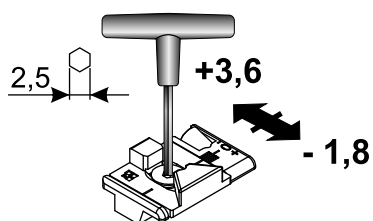
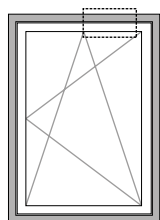
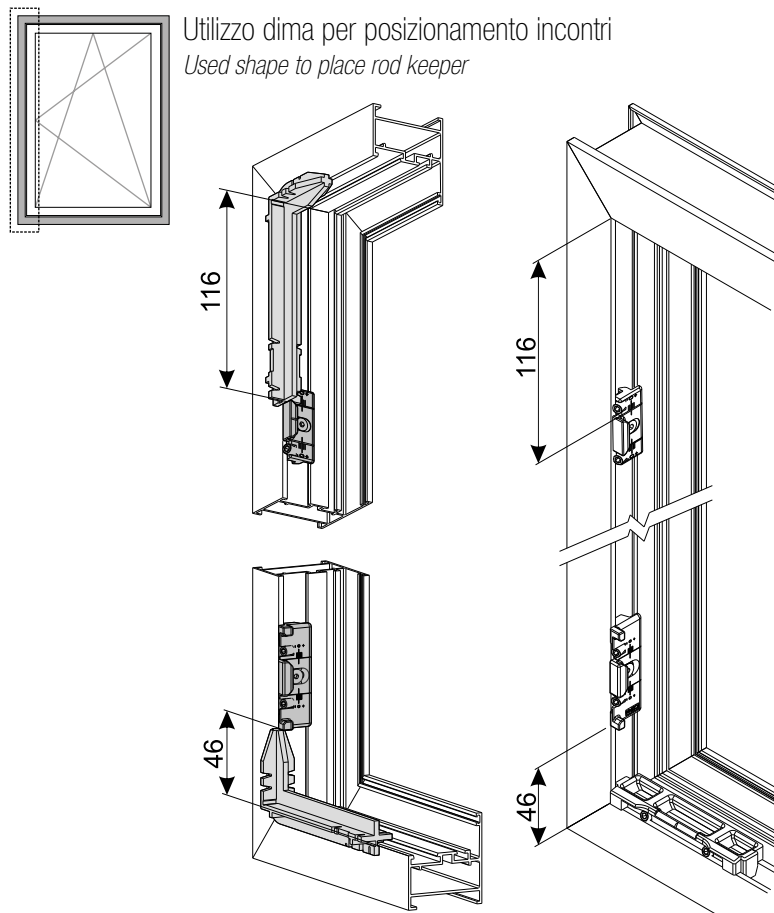
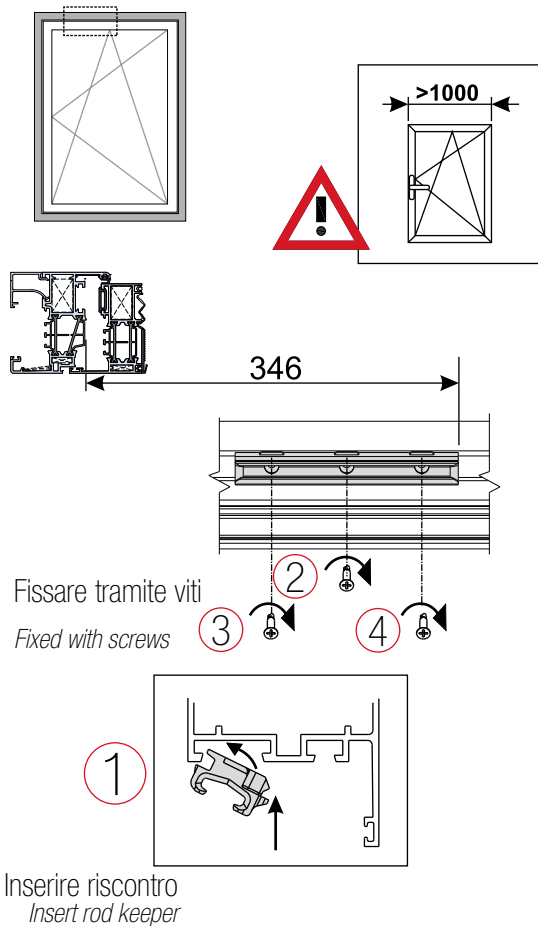




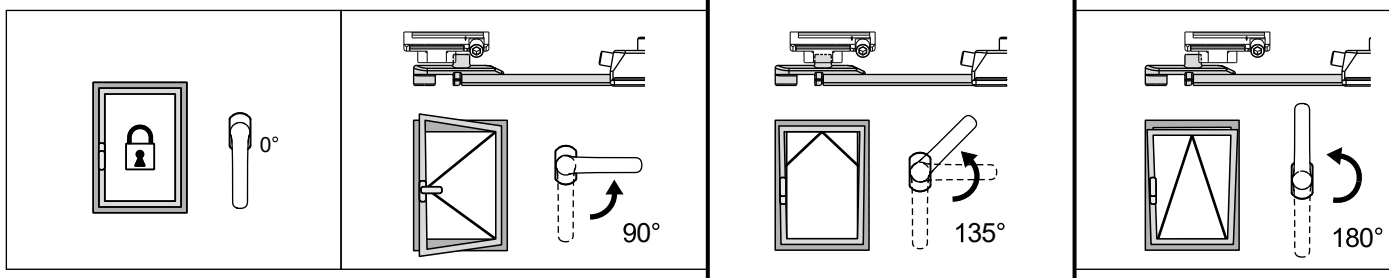
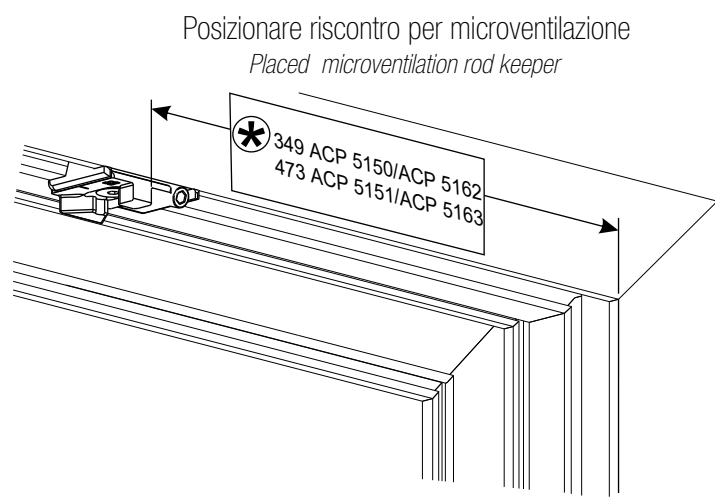
Girare Cam  
Screwed Cam

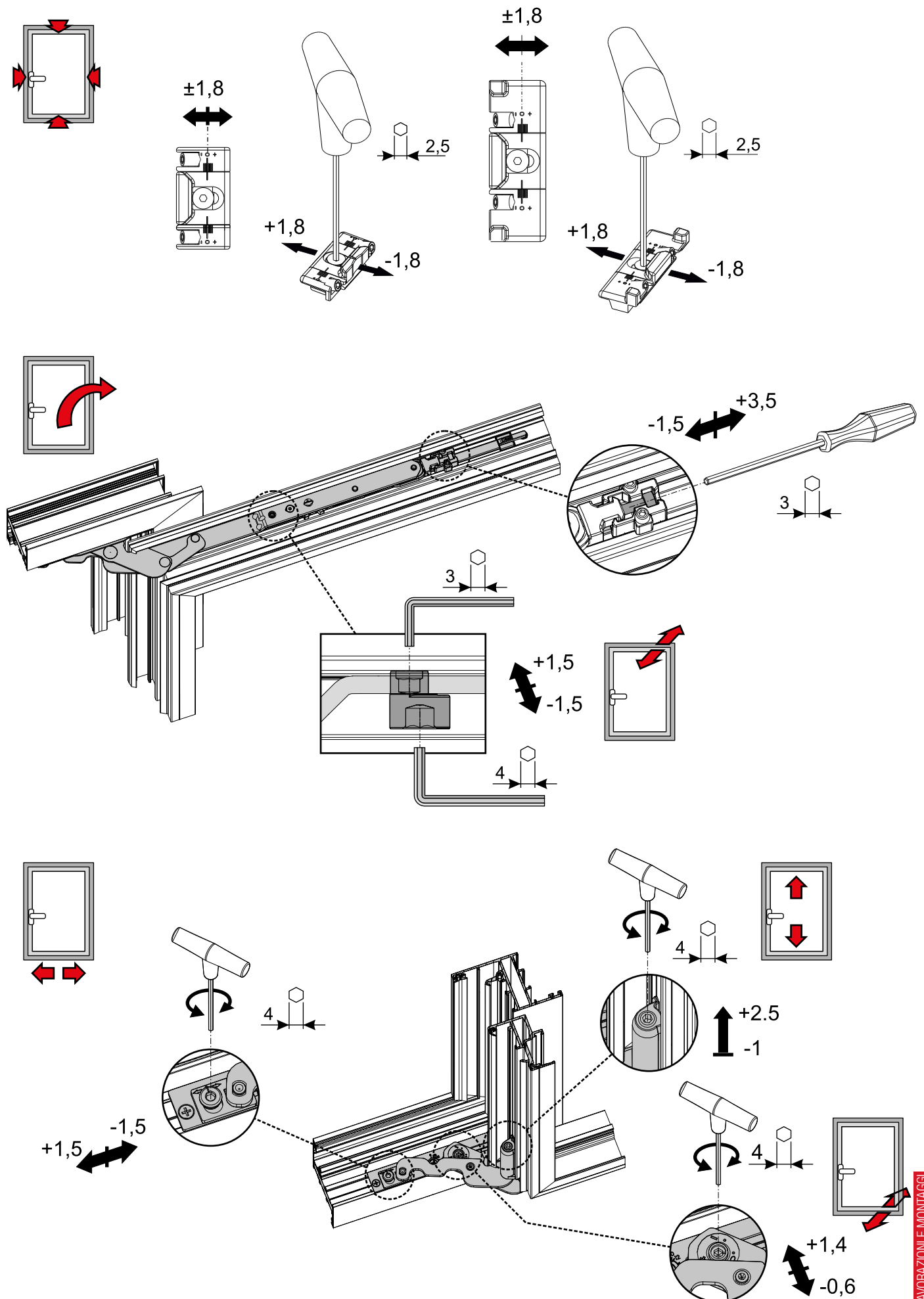


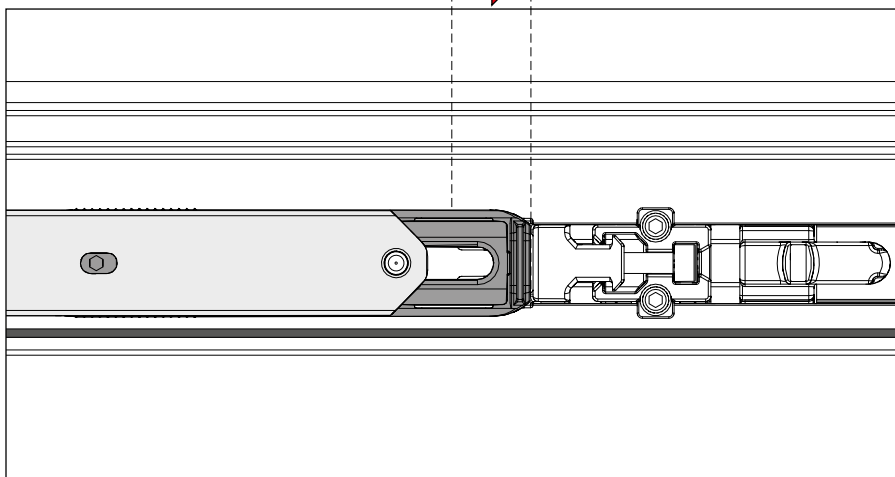
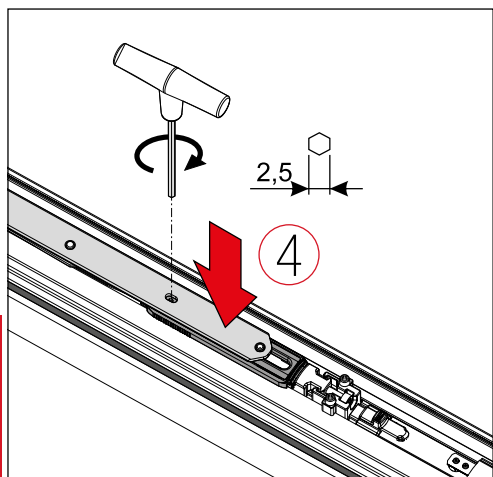
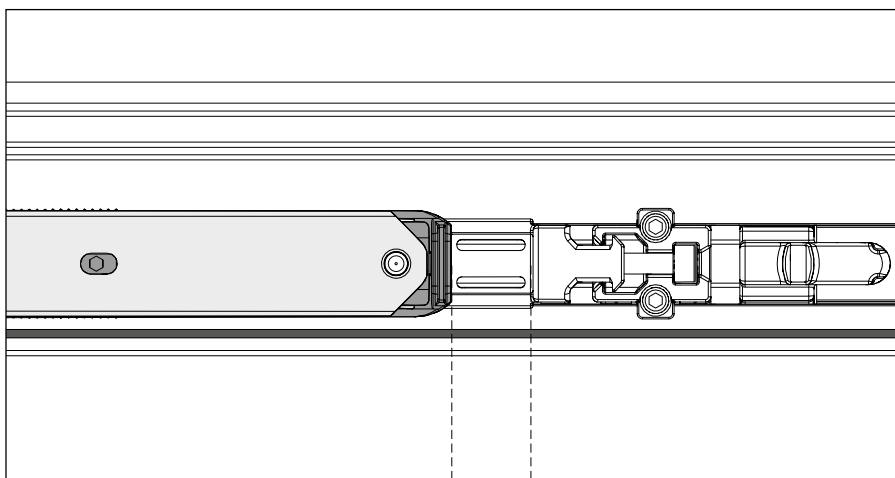
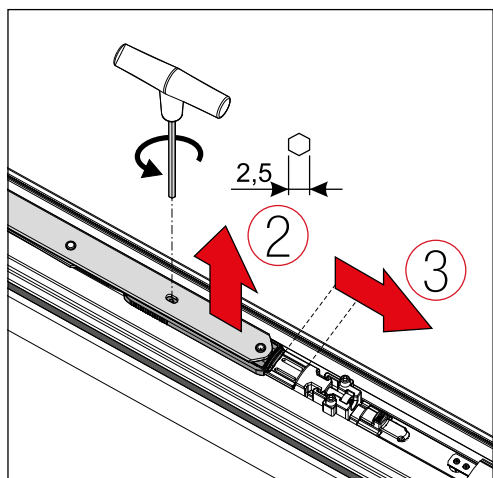
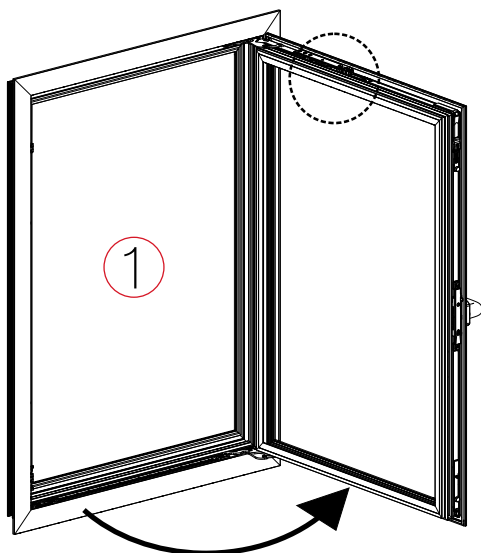
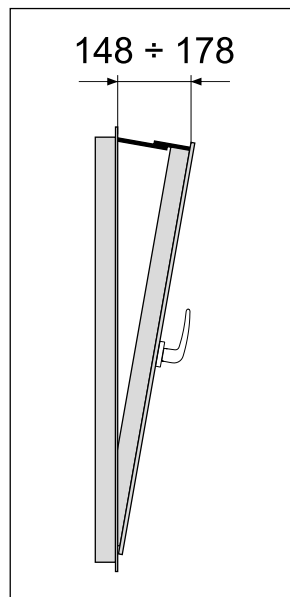
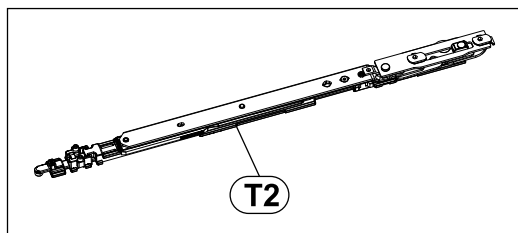
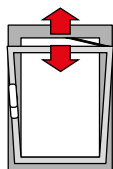
Stringere le viti  
Tighten screws



Fissare microventilazione  
Fixing microventilation rod keeper



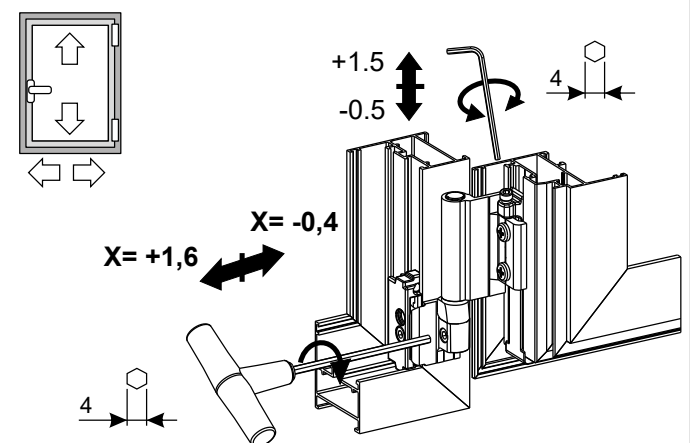
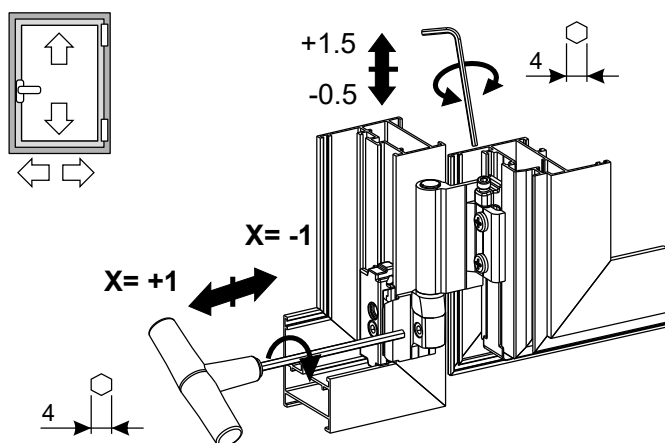
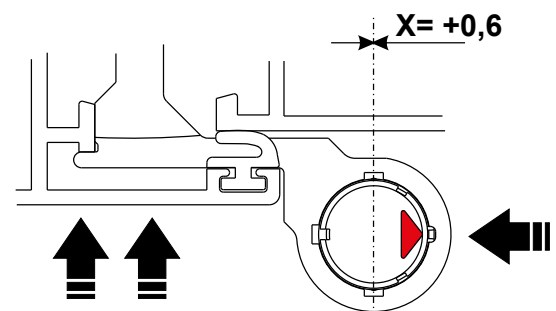
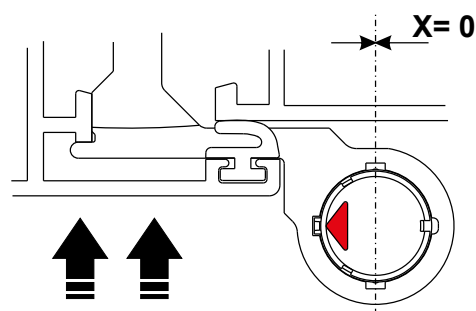
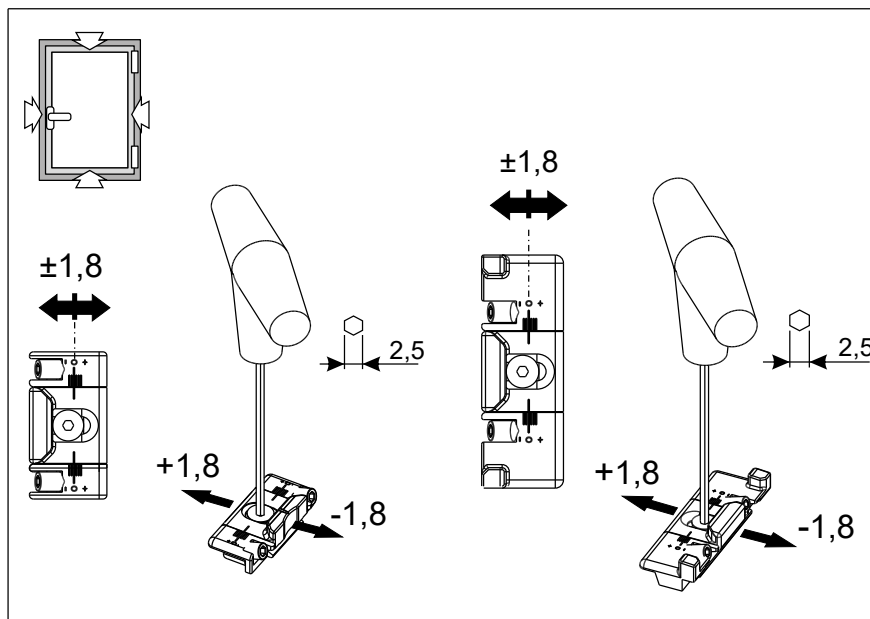
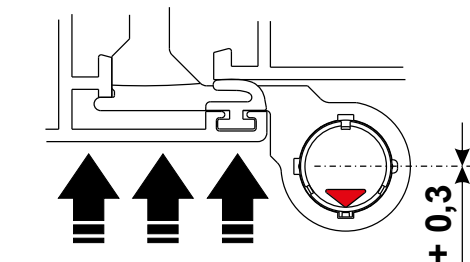
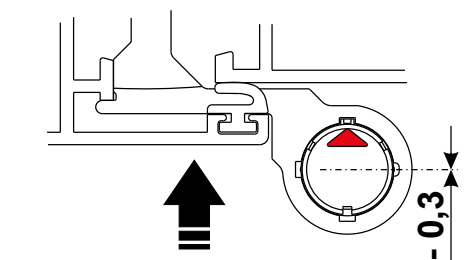
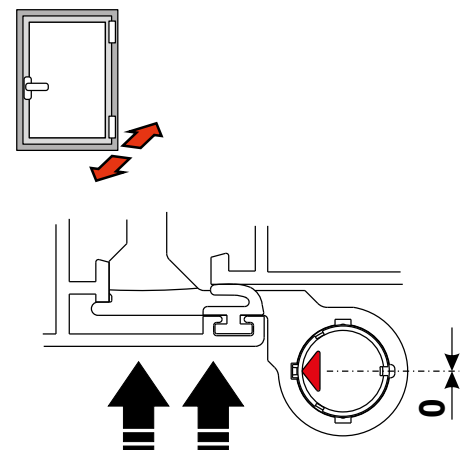
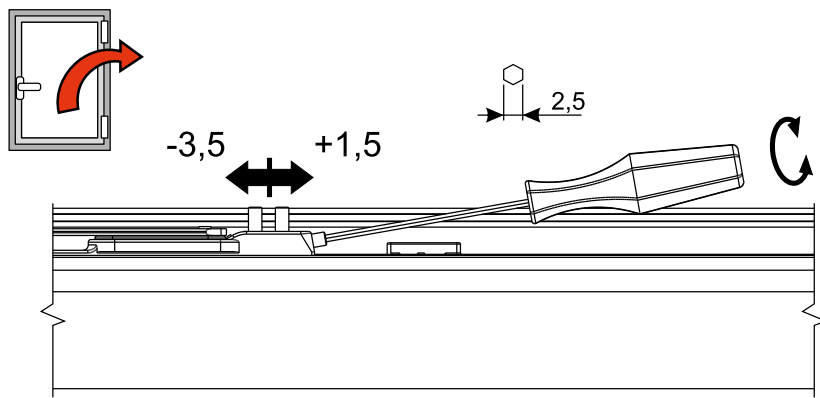






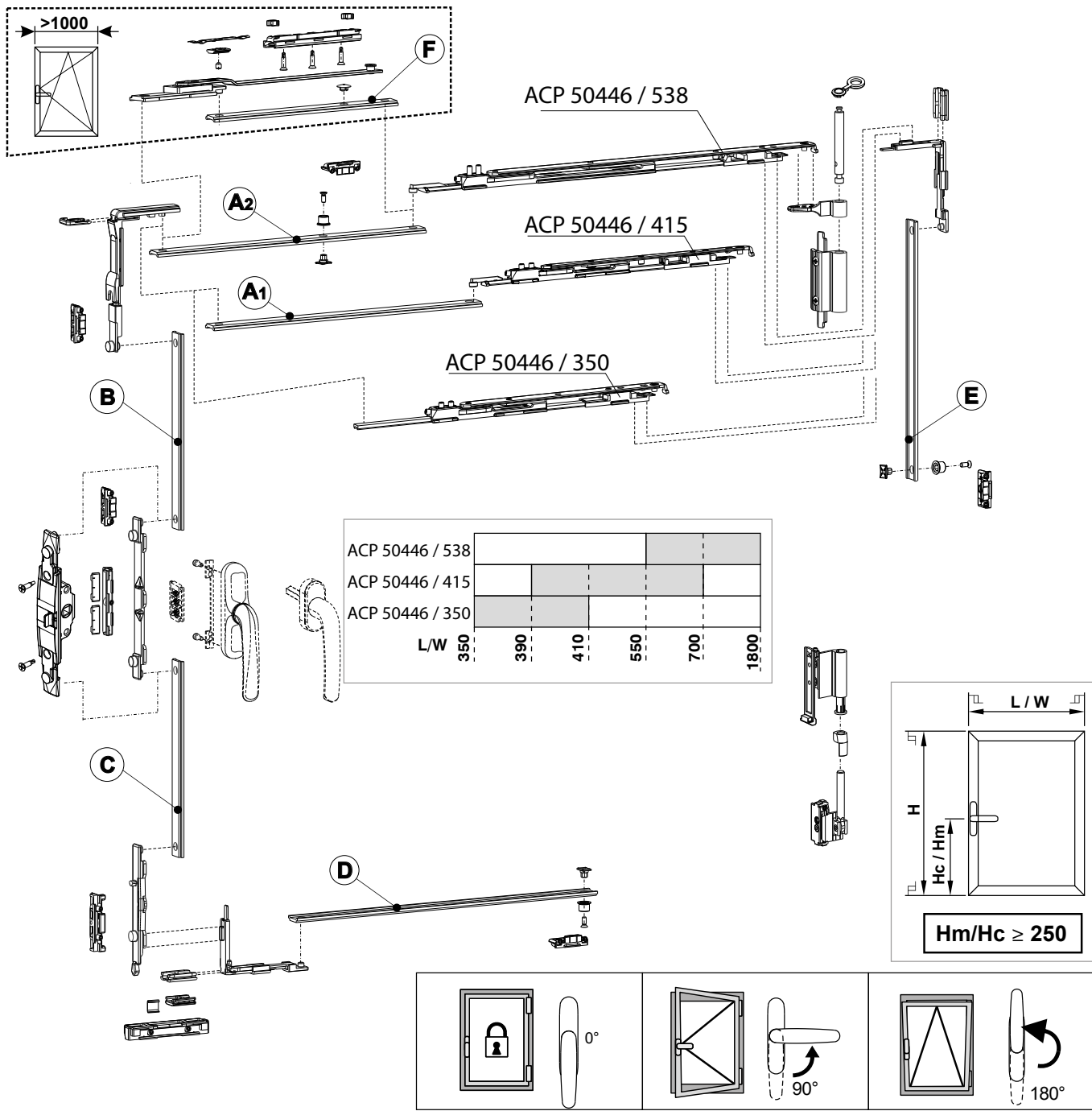


## Regolazioni Adjustments





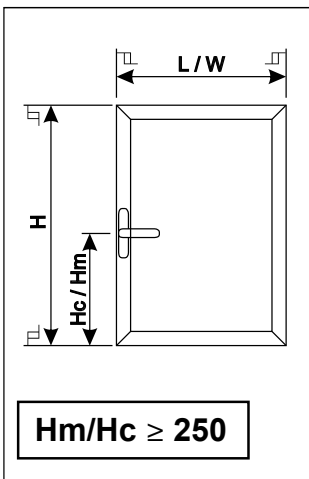
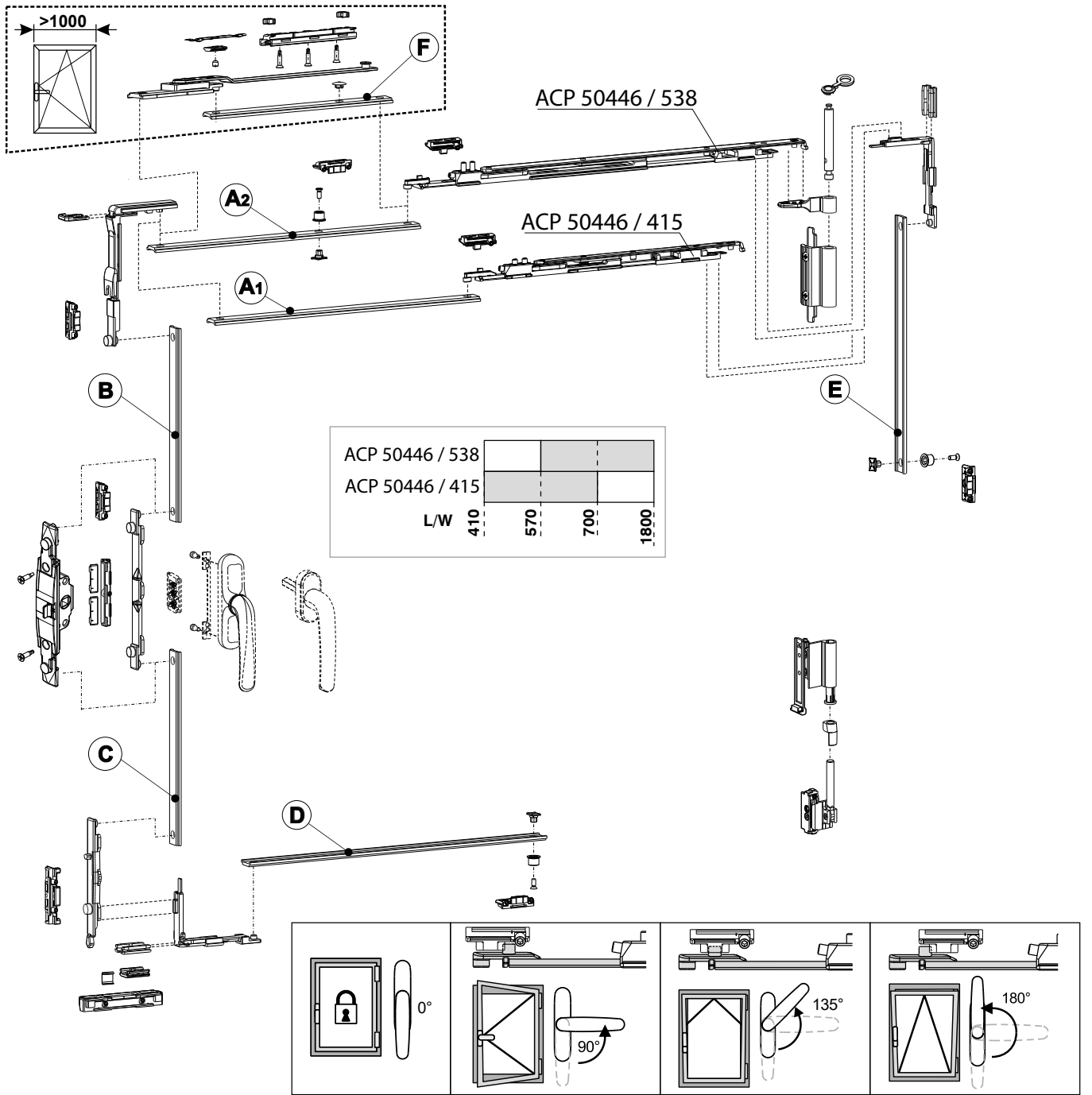
# STANDARD



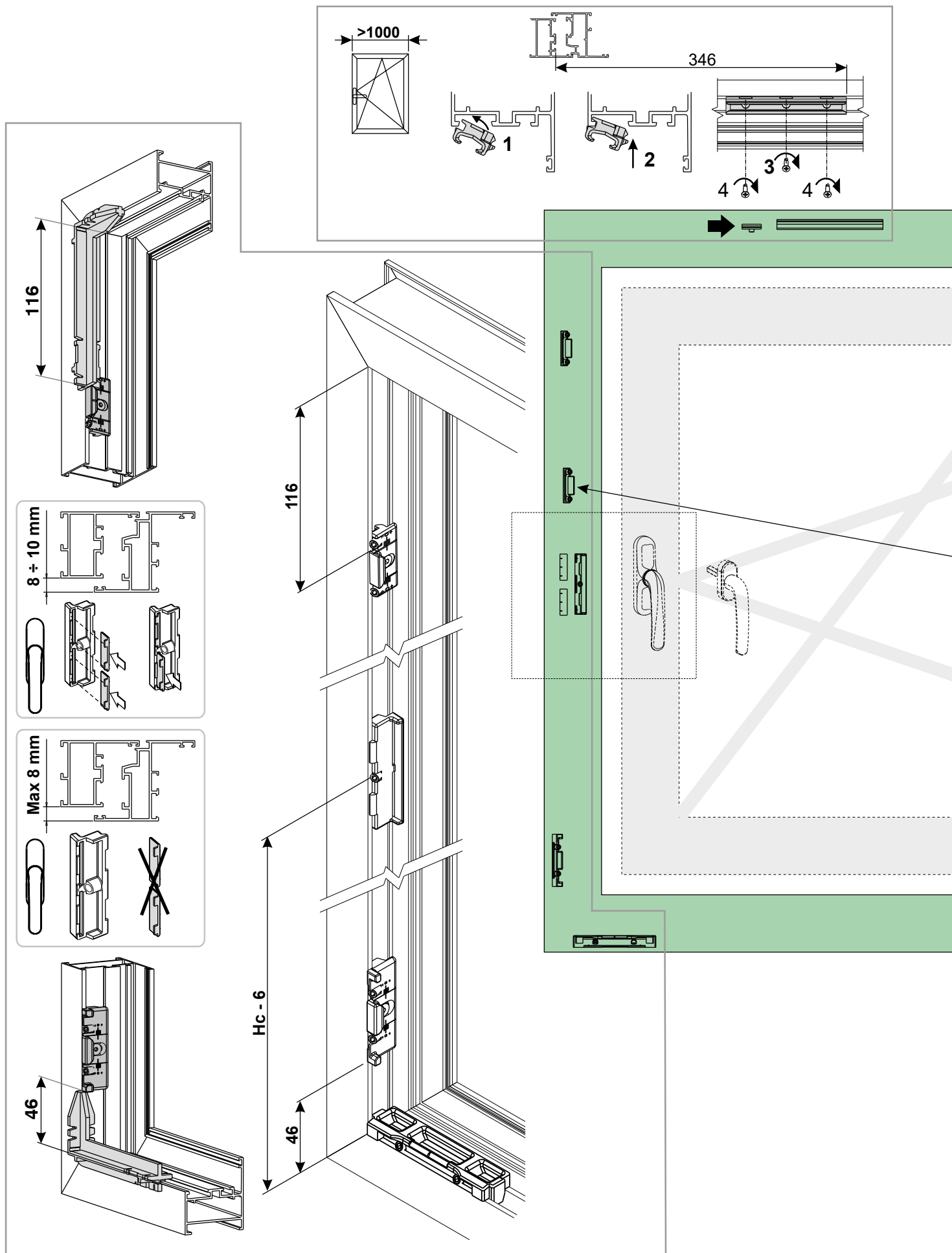
3000	B   E	B=H-Hc-207 C=Hc-207 E=H/2-69	A1   E	A1=L-355 B=H-Hc-207 C=Hc-207 E=H/2-69	A2   E	A2=L-510 B=H-Hc-207 C=Hc-207 E=H/2-69	F   E	F=L-607 B=H-Hc-207 C=Hc-207 D=L/2-69 E=H/2-69				
	C		C		C		C					
1200	B	B=H-Hc-207 C=Hc-207	A1	A1=L-355 B=H-Hc-207 C=Hc-207	A2	A2=L-510 B=H-Hc-207 C=Hc-207	F	F=L-607 B=H-Hc-207 C=Hc-207 D=L/2-69				
	C		C		C		C					
600							D					
							D					
	350	ACP 50446 / 350	410	390	ACP 50446 / 415	700	550	ACP 50446 / 538	1000	1001	ACP 50446 / 538	1800

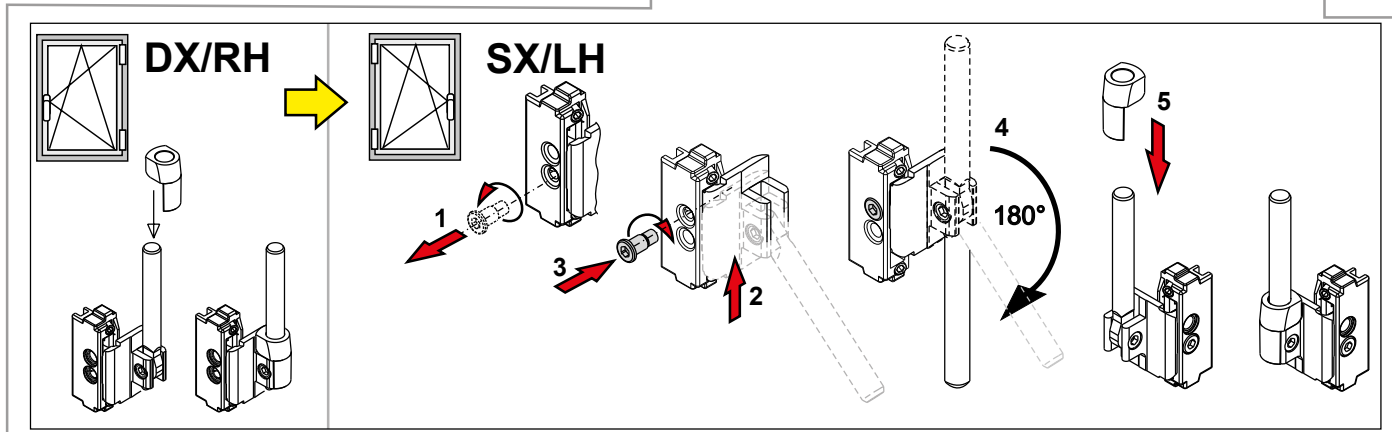
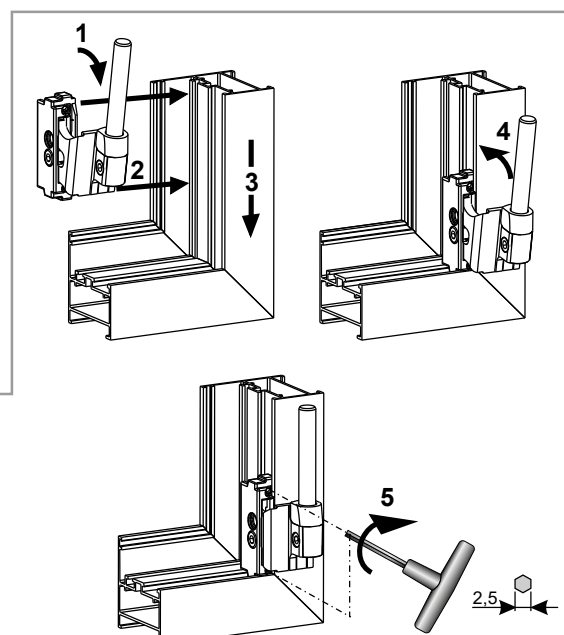
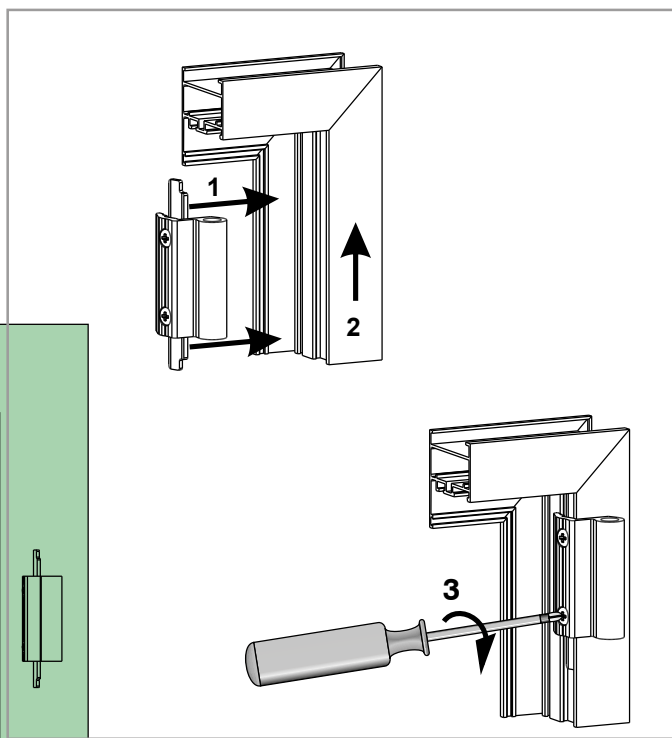
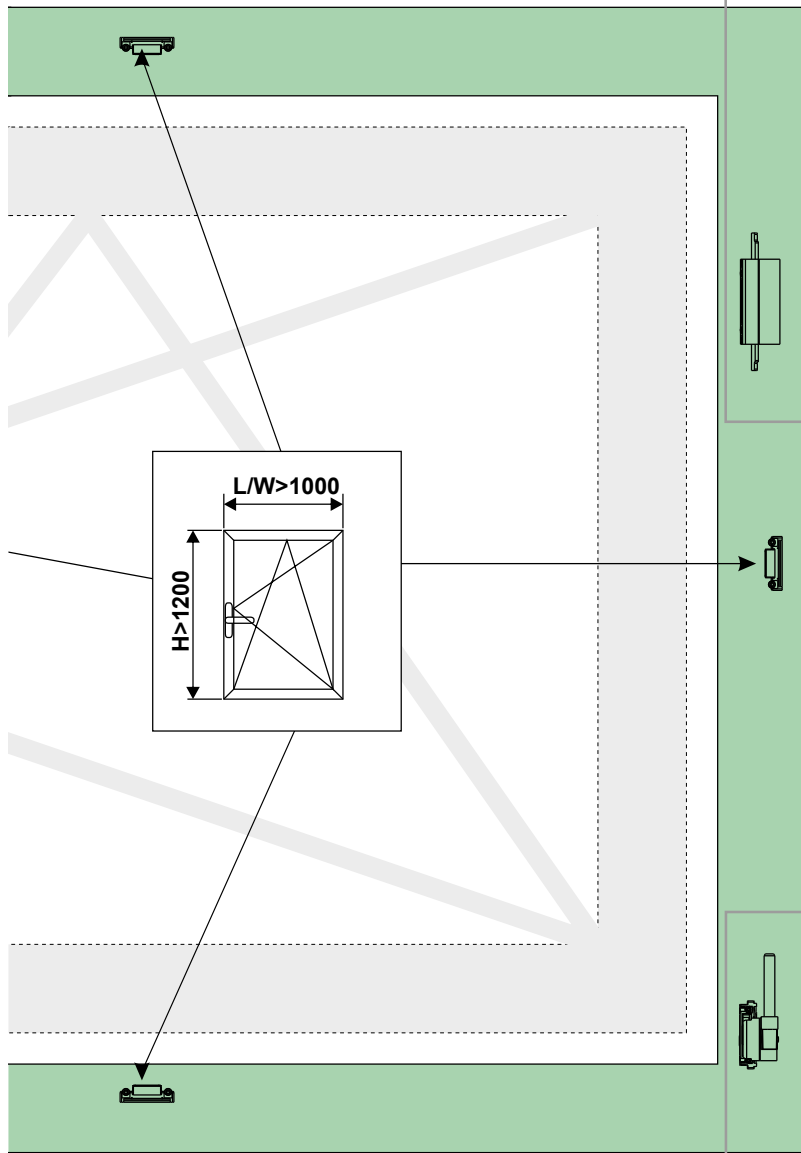


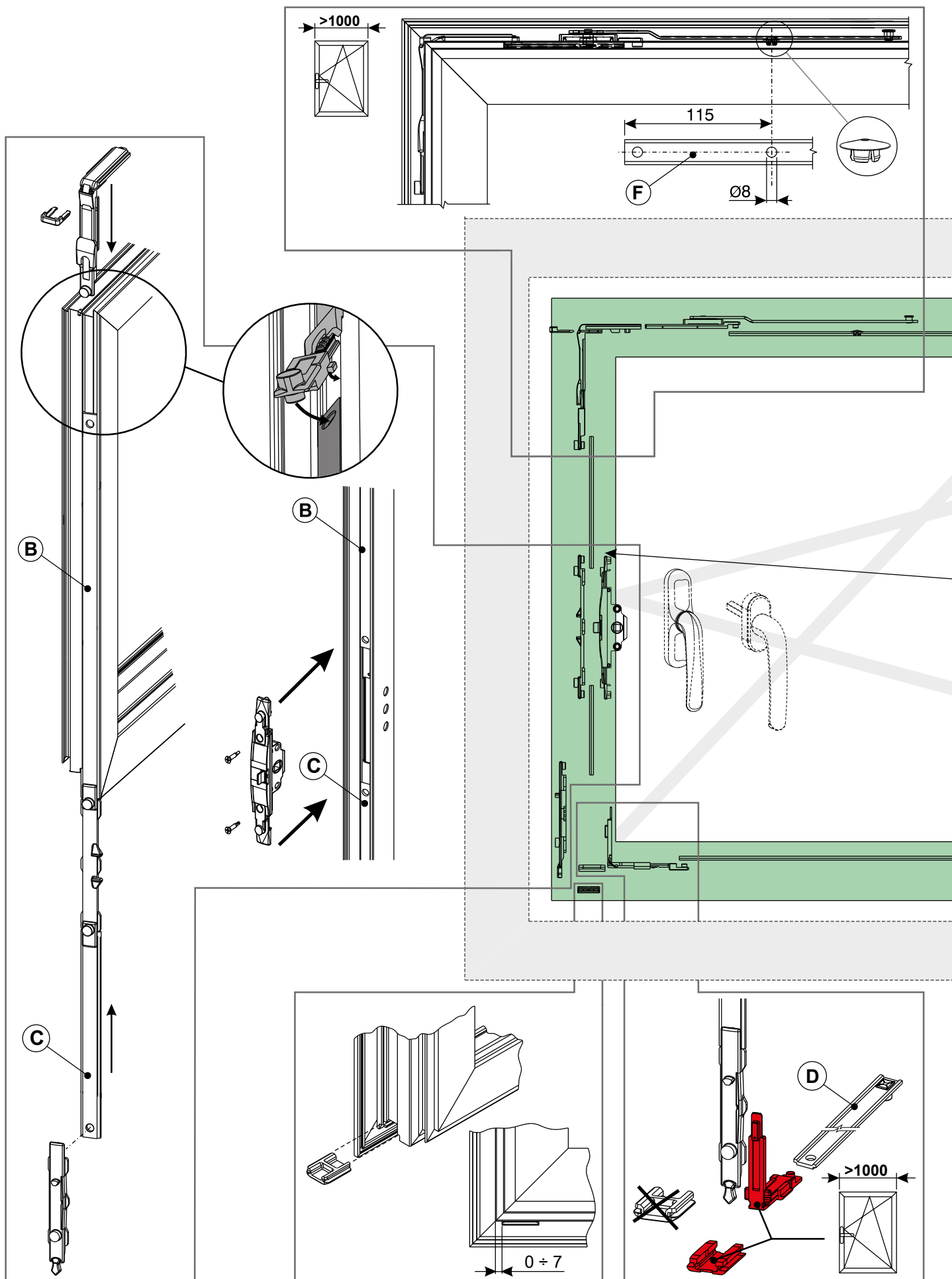
## MICRO

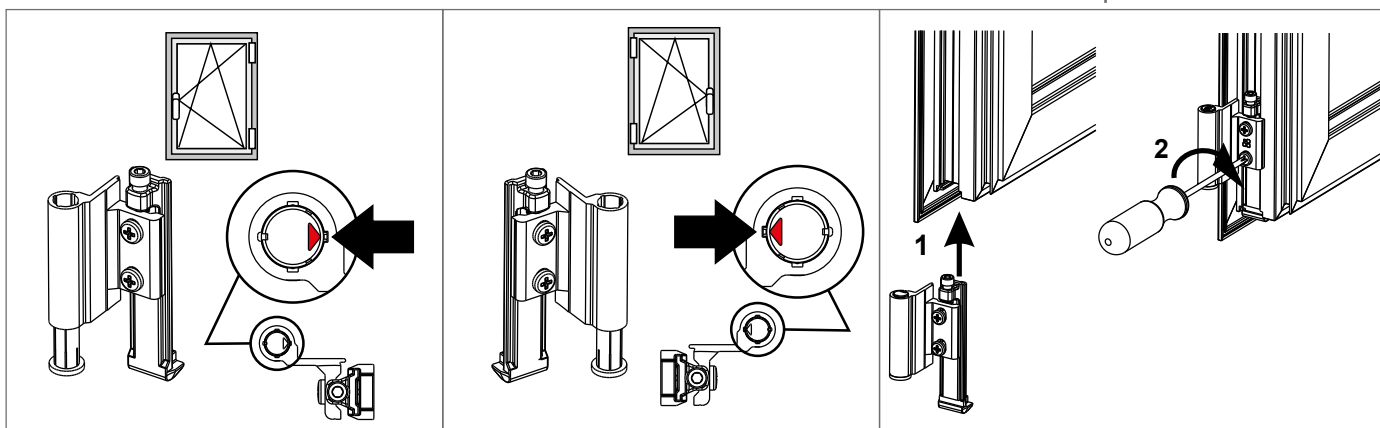
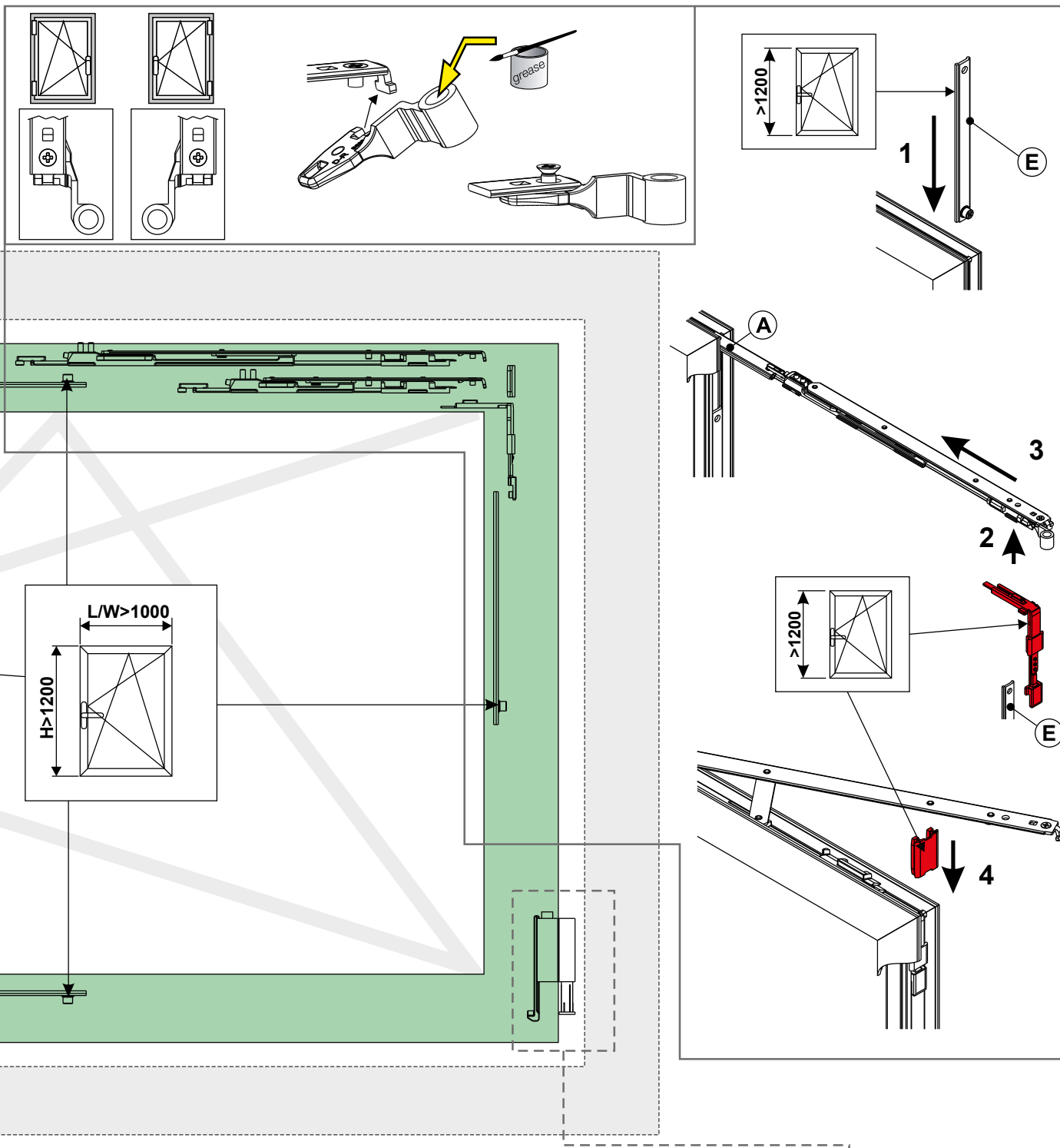


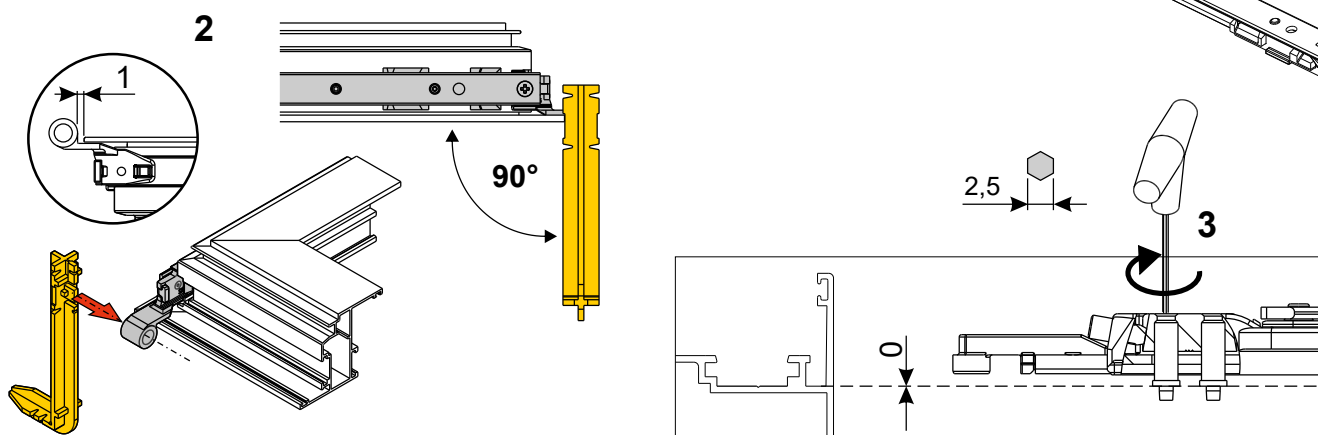
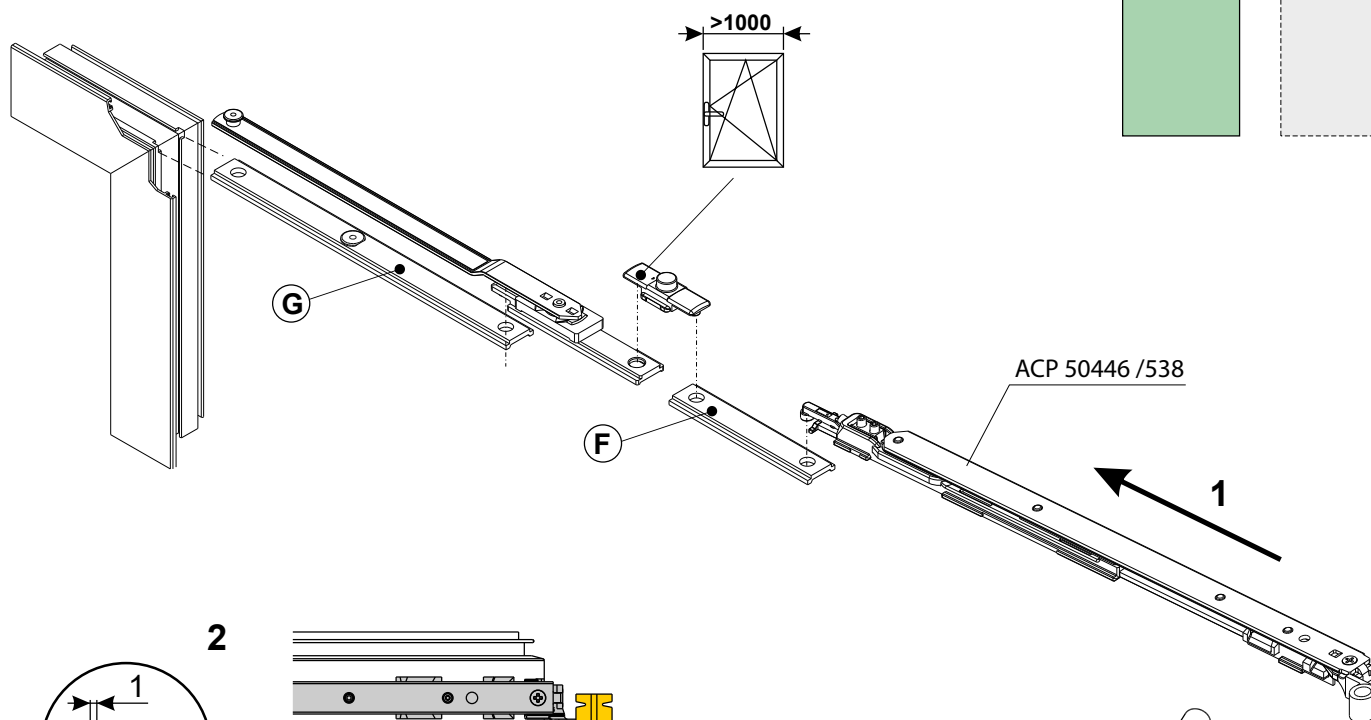
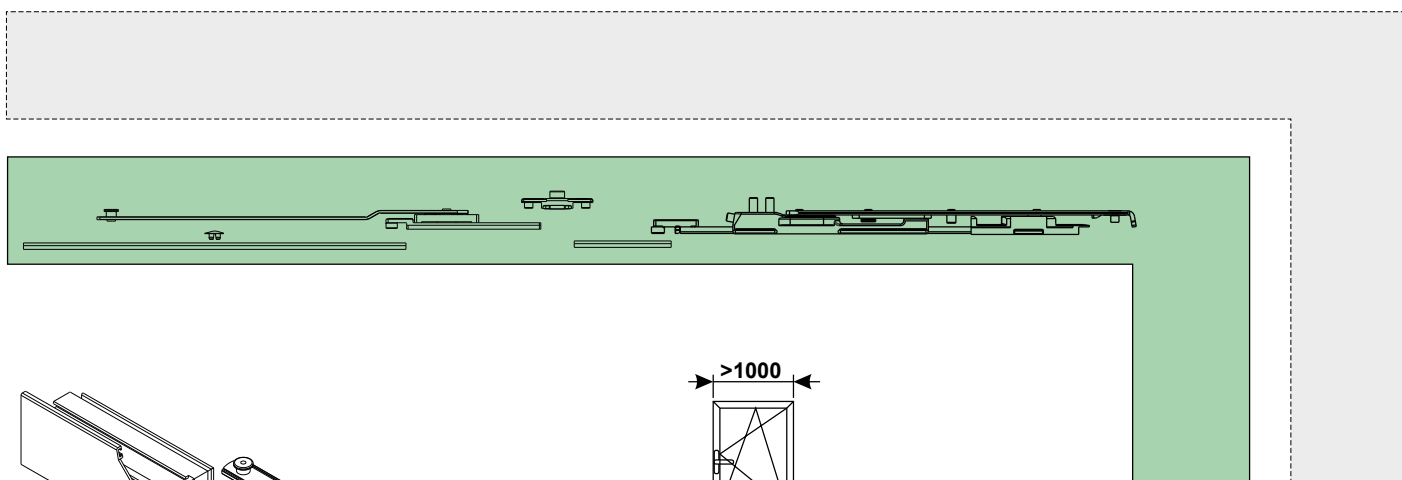
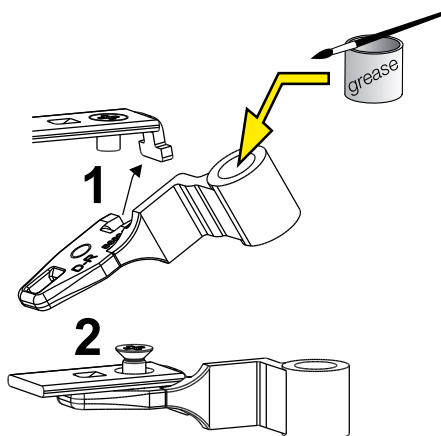
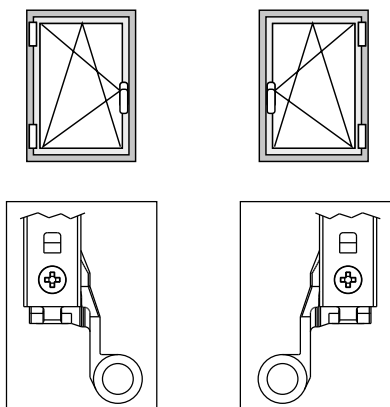
3000	<p>A1</p> <p>A1=L-355 B=H-Hc-207 C=Hc-207 E=H/2-69</p>	<p>A2</p> <p>A2=L-510 B=H-Hc-207 C=Hc-207 E=H/2-69</p>	<p>F</p> <p>F=L-607 B=H-Hc-207 C=Hc-207 D=L/2-69 E=H/2-69</p>
1200	<p>A1</p> <p>A1=L-355 B=H-Hc-207 C=Hc-207</p>	<p>A2</p> <p>A2=L-510 B=H-Hc-207 C=Hc-207</p>	<p>F</p> <p>F=L-607 B=H-Hc-207 C=Hc-207 D=L/2-69</p>
600	<p>410</p> <p>ACP 50446 / 415</p> <p>700</p>	<p>570</p> <p>ACP 50446 / 538</p> <p>1000</p>	<p>1001</p> <p>ACP 50446 / 538</p> <p>1800</p>

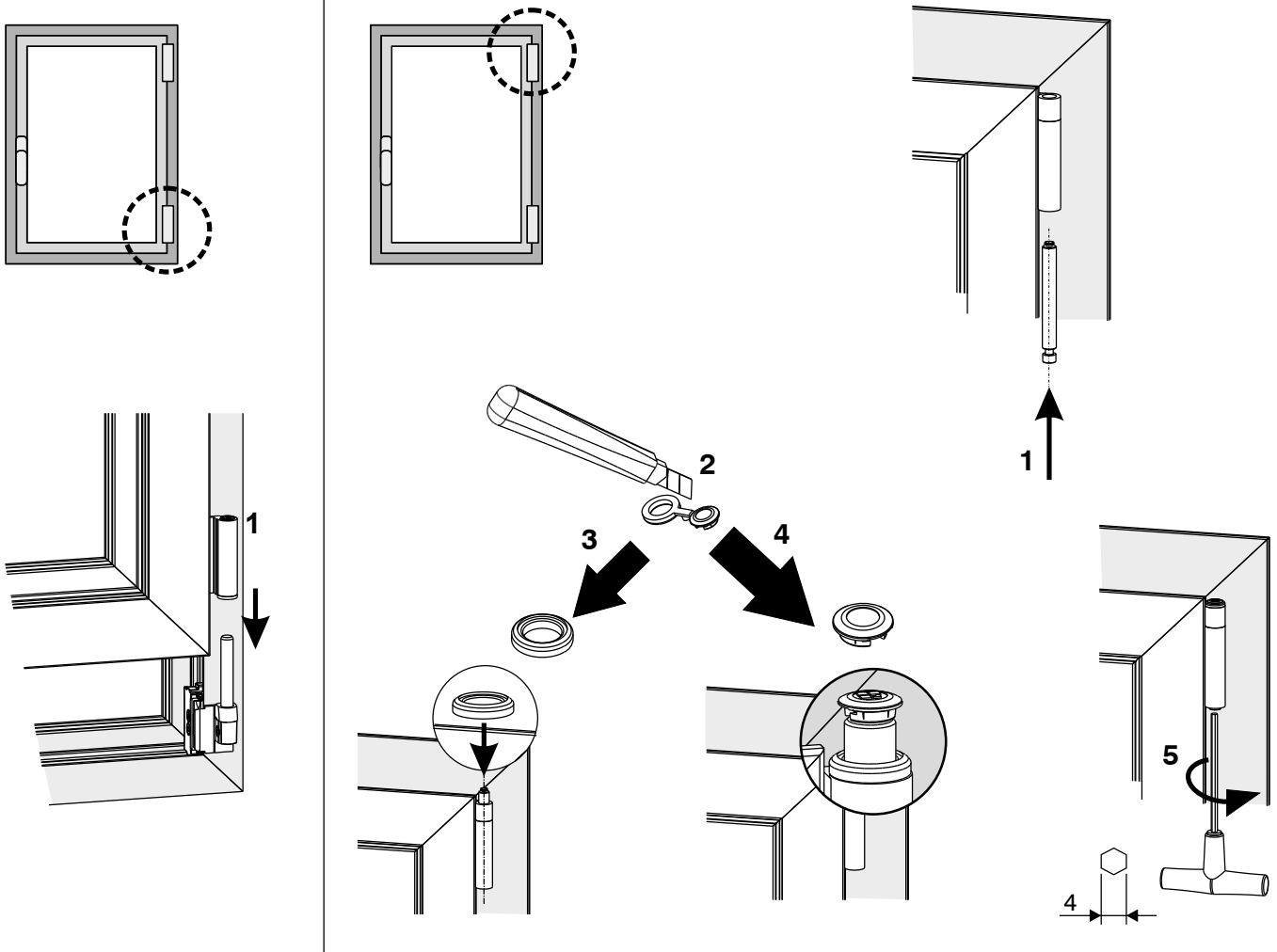










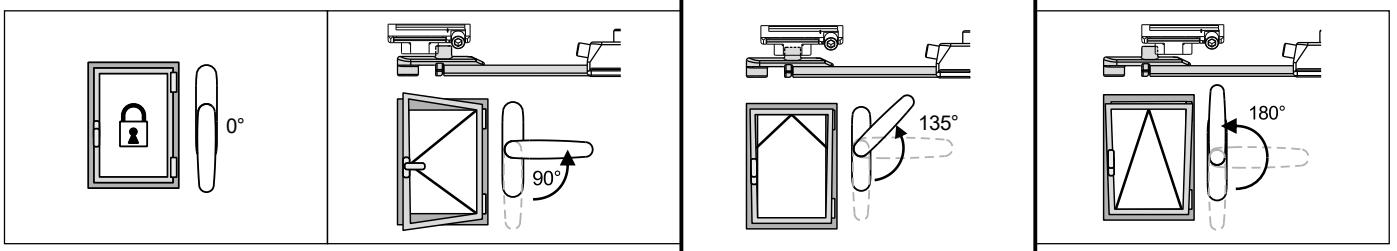
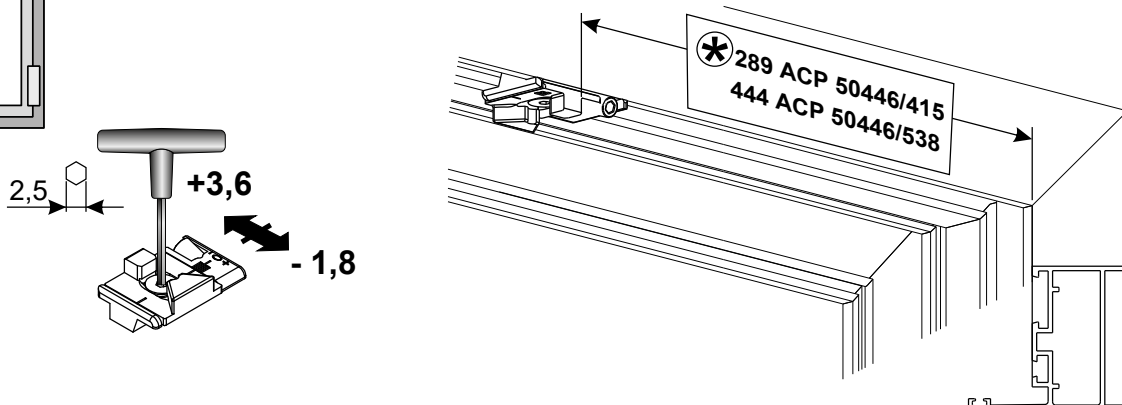
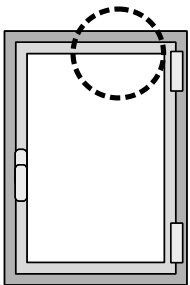


## MICRO

\* Quote indicative da verificare sull'anta installata e regolata con cremone in posizione microventilazione  
 Indicative distance to be checked on the leaf installed and adjusted in position with microventilation cremone

Cotas indicativas para el control de la hoja ensamblada y regulación cremone en posición de microventilación  
 Die Maße sind zu überprüfen auf den montierten Flügel, und reguliert mit dem Griff bei der Mikrobelüftung Position

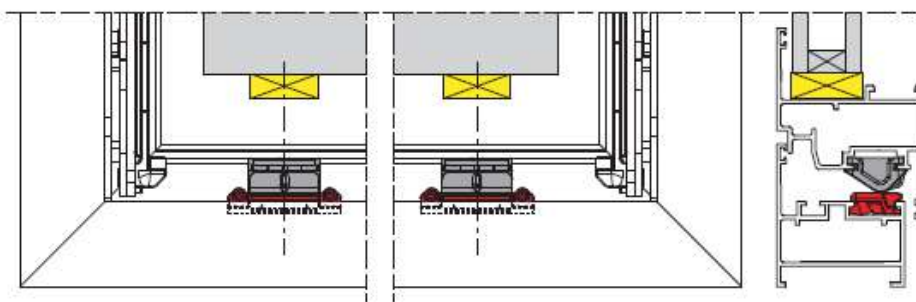
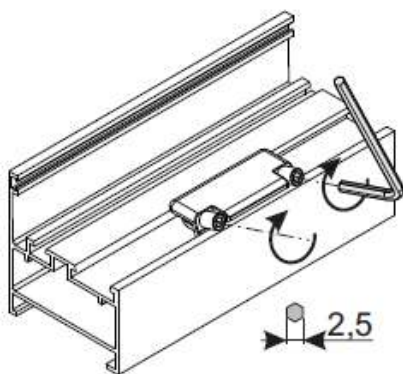
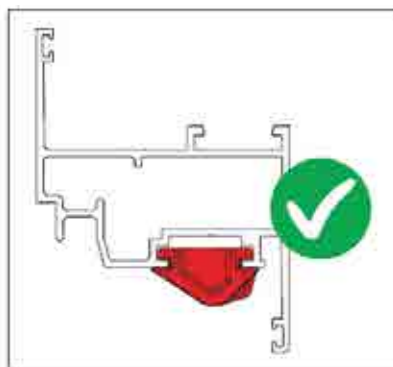
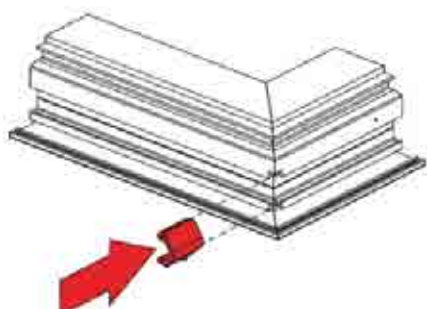
Η απόσταση τοποθέτησης είναι ενδεικτική. Ελέγξτε αφού πρώτα τοποθετήσετε το φύλλο και βάλετε την σπανιολέτα στην θέση μικρό-εξαερισμού.  
 Cotes à vérifier sur l'ouvrant installé et réglé avec la crémonne en position micro-ventilation



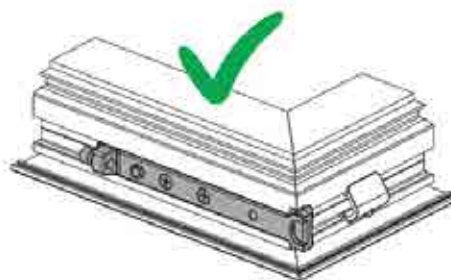
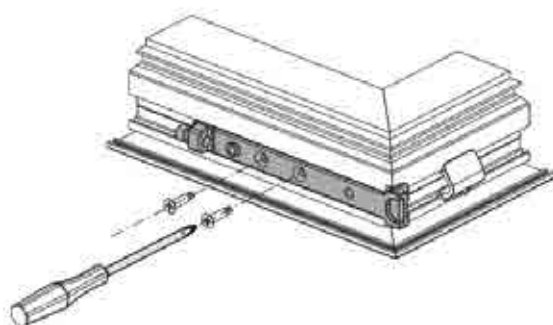
# KIT CERNIERE VASISTAS SECRET

## SEQUENZA DI INSTALLAZIONE

### 1 Sostegno anta

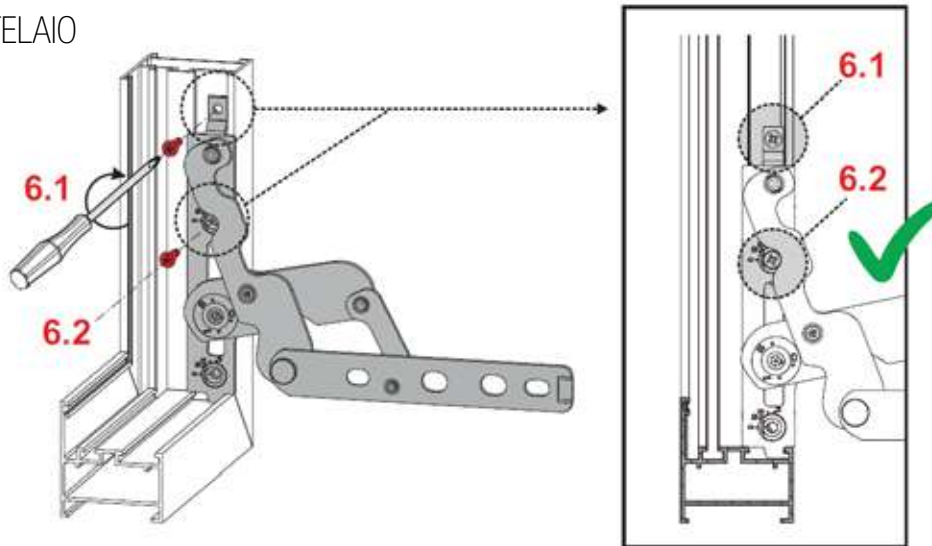


### 2 Componente ANTA

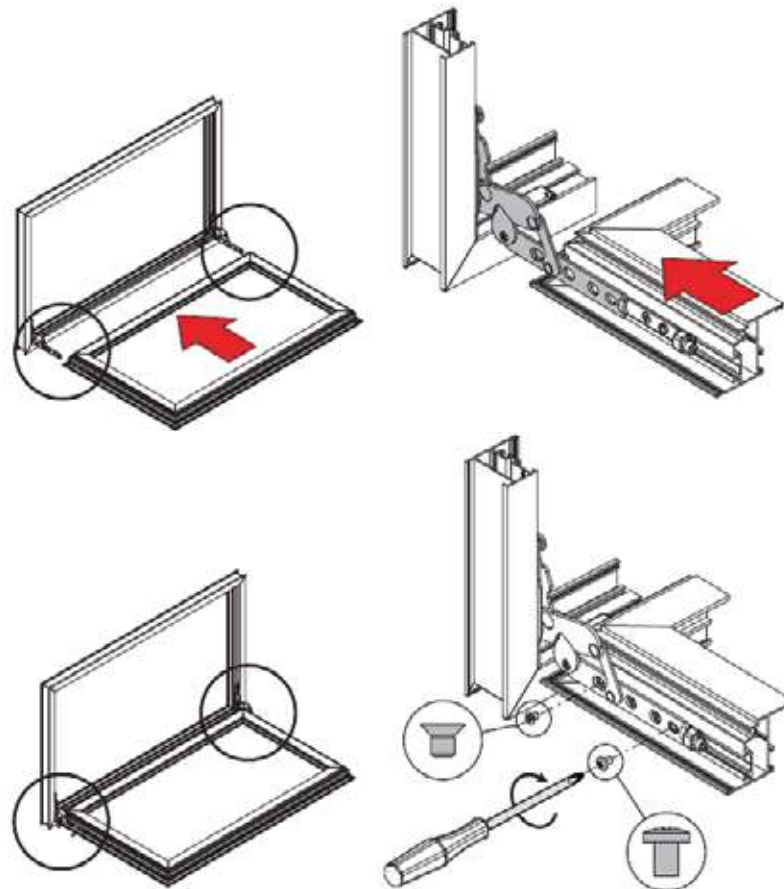




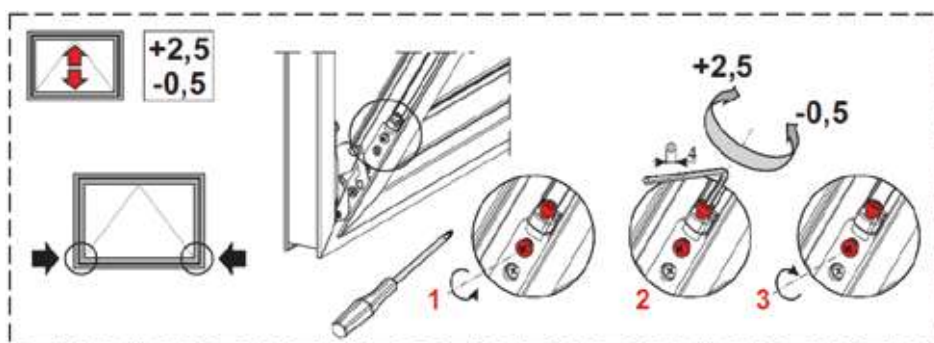
### 3 Componente TELAIIO



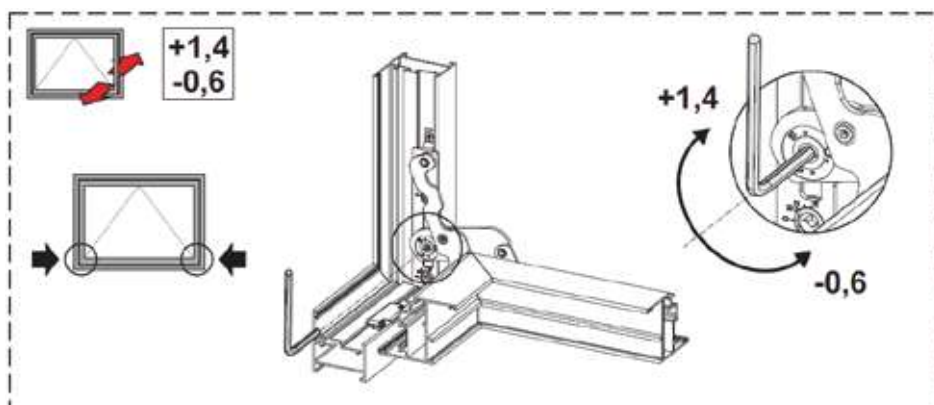
### 4 Unione anta a telaio



Regolazione in **altezza**:  
+ 2,5 ÷ - 0,5 mm



Regolazione in **compressione**:  
+ 1,4 ÷ - 0,6 mm



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## Serratura di sicurezza per montante avanzante

Security lock for jamb

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## Serratura di sicurezza per montante basculante

Security lock for jamb

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## Serratura di sicurezza per montante multipunto avanzante



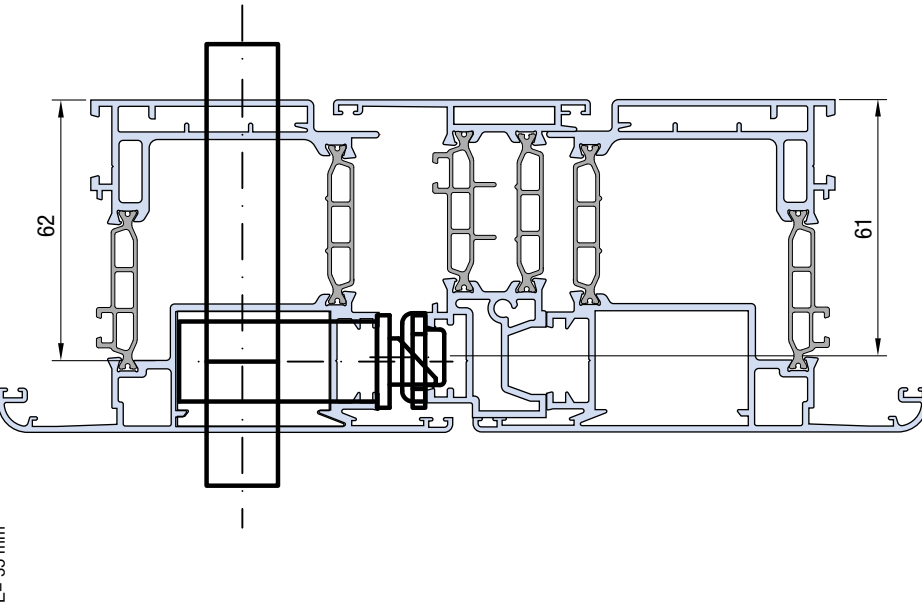
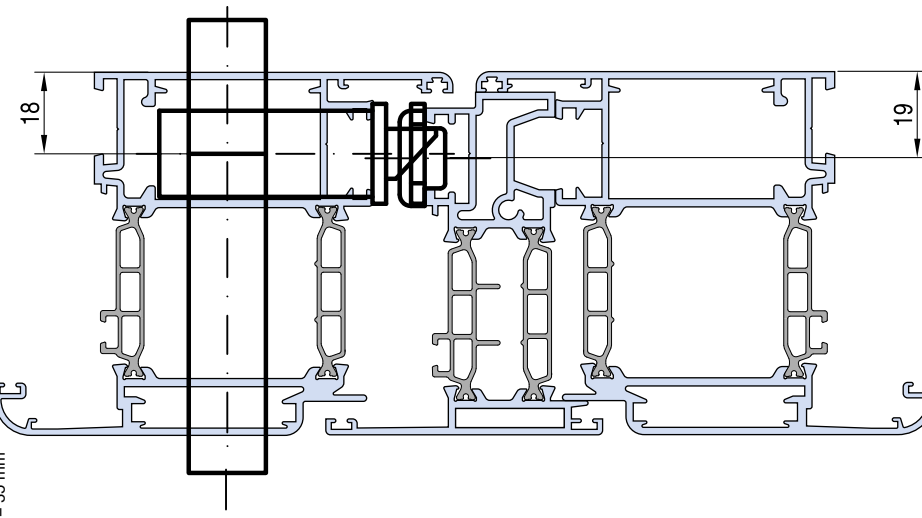
Security lock for jamb multi-point

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## Serratura di sicurezza per montante multipunto avanzante

Security lock for jamb multi-point

<p><b>A</b></p>  <p>Art. 49526</p>	<p><b>B</b></p> <p>SERRATURA A RULLO</p> <p>Art. 49526 + 060000</p>	<p><b>D</b></p>  <p>Art. 19526</p>												
<table border="1"> <tr> <td colspan="2">Contropiastre Regolabile in Metallo</td> </tr> <tr> <td>A-B-D</td> <td>Deviatori</td> </tr> <tr> <td>06463-820</td> <td>06465-720</td> </tr> </table> <table border="1"> <tr> <td>CILINDRO SAGOMATO (Nichelato Fin. 12) con borchie</td> <td>Frontale</td> </tr> <tr> <td>0E301-24 L=99 (21.5-64.5)</td> <td>24x3</td> </tr> <tr> <td>0E301-41 L=94 (21.5-64.5)</td> <td></td> </tr> </table>	Contropiastre Regolabile in Metallo		A-B-D	Deviatori	06463-820	06465-720	CILINDRO SAGOMATO (Nichelato Fin. 12) con borchie	Frontale	0E301-24 L=99 (21.5-64.5)	24x3	0E301-41 L=94 (21.5-64.5)		<p><b>C</b></p> <p>SERRATURA A SOLA MANDATA GIRANDO LO SCROCCO</p> <p>Art. 49526</p>	<p><b>E</b></p>  <p>62</p> <p>61</p> <p>E = 35 mm</p>
Contropiastre Regolabile in Metallo														
A-B-D	Deviatori													
06463-820	06465-720													
CILINDRO SAGOMATO (Nichelato Fin. 12) con borchie	Frontale													
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Contropiastre Regolabile in Metallo														
A-B-D	Deviatori													
06463-820	06465-720													
CILINDRO SAGOMATO (Nichelato Fin. 12) con borchie	Frontale													
0E301-24 L=99 (21.5-64.5)	24x3													
0E301-41 L=94 (21.5-64.5)														



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## Serratura di sicurezza per montante multipunto basculante

Security lock for jamb multi-point

Contropiastina Regolabile in Metallo		
A	B	C
06463-720	06463-720 (17)	06465-720 (pz.2)
(17) = inserto rullo art. 06141-71		

CILINDRO SAGOMATO (Nichelato Fin.12)		Frontale
0E301-24 L=94 (23,5-69,5)	0E301-41 L=94 (23,5-69,5)	24x3

CILINDRO A SPILLO 02400110

---

Contropiastina Regolabile in Metallo		
A	B	C
06463-720	06463-720 (17)	06465-720 (pz.2)
(17) = inserto rullo art. 06141-71		

CILINDRO SAGOMATO (Nichelato Fin.12)		Frontale
0E301-24 L=94 (23,5-69,5)	0E301-41 L=94 (23,5-69,5)	24x3

CILINDRO A SPILLO 02400110

---

Art. 16525  
Art. 46525

Art. 46550

Art. 46520

---

Art. 16525  
Art. 46525

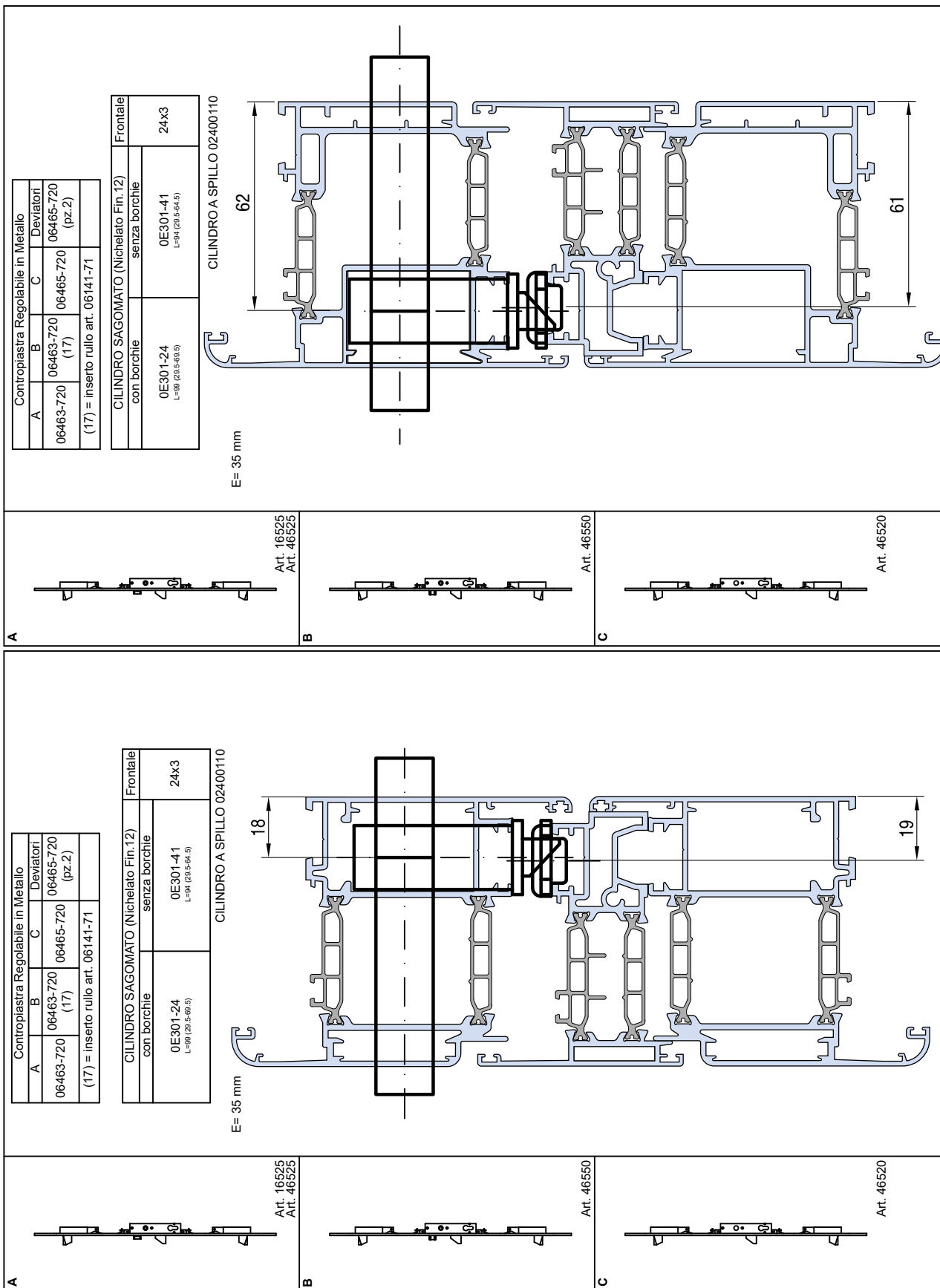
Art. 46550

Art. 46520

# 72

## Serratura di sicurezza per montante multipunto basculante

Security lock for jamb



73

## Maniglioni antipánico

Panic exit bar

NB. il cilindro è calcolato per il maniglione 59605 e 59710 in caso si voglia utilizzare il maniglione 59615 il cilindro deve sporgere di minimo 11.5mm dal filo del profilo interno

Contropiastre Regolabile in Metallo		Accessori	
A	Deviatori	1/2 Maniglia	Aste
06463-820	06463-720 (pz.2)	07070-66-0-B1 Funz. B/D	Blocca Aste
Utilizzare salvaprofilo art. -		Bocchetta Pavimento art. -	

CILINDRO SAGOMATO (Nichelato Fin.12)		Frontale
con borchie		senza borchie
0E301-24 L=98 (29.5-69.5)	0E301-41 L=94 (29.5-64.5)	24x3

**A**

Art. 43725 Funz. A/D  
Art. 43735 Funz. B

Maniglione quadro 9mm  
art. 59710-00  
art. 59710-01

Quadro Maniglia  
art. 07085-77-0

Maniglione quadro 8mm  
art. 59605-06

Barra Ovale  
art. 07007-XX

Maniglione quadro 8mm  
art. 59615-17

Barra Ovale  
art. 07007-XX

NB. il cilindro è calcolato per il maniglione 59605 e 59710 in caso si voglia utilizzare il maniglione 59615 il cilindro deve sporgere di minimo 11.5mm dal filo del profilo interno

Contropiastre Regolabile in Metallo		Accessori	
A	Deviatori	1/2 Maniglia	Aste
06463-820	06463-720 (pz.2)	07070-66-0-B1 Funz. B/D	Blocca Aste
Utilizzare salvaprofilo art. -		Bocchetta Pavimento art. -	

CILINDRO SAGOMATO (Nichelato Fin.12)		Frontale
con borchie		senza borchie
0E301-24 L=98 (29.5-69.5)	0E301-41 L=94 (29.5-64.5)	24x3

E= 40 mm

**A**

Art. 43725 Funz. A/D  
Art. 43735 Funz. B

Maniglione quadro 9mm  
art. 59711-000  
art. 59711-010

Quadro Maniglia  
art. 07085-77-0

Maniglione quadro 8mm  
art. 59607-100

Barra Ovale  
art. 07007-XX

Maniglione quadro 8mm  
art. 59617-120

Barra Ovale  
art. 07007-XX

Serratura di sicurezza per fascia

Security lock for central crossbeam

Contropiastra Regolabile in Metallo			
A	B	C	D-E Frontale
06465-22	06465-22 (16)	06465-22 (pz. 3)	06465-22 (pz. 2)
(17) = inserto rullo art. 06141-71			

CILINDRO SAGOMATO (Nichelato Fin.12)	
con borchie	senza borchie
0E301-20 L=88 (28,5-59,5)	0E301-33 L=84 (28,5-54,5)

E= 100 mm

**A** art. 56357

**B** art. 56357

**C** art. 56357  
art. 06168-00  
Kit Multipunto Modulare 24x3

**D** art. 06444-45

**E** art. 06444-45-0

Contropiastra Regolabile in Metallo			
A	B	C	D-E Frontale
06465-22	06465-22 (16)	06465-22 (pz. 3)	06465-22 (pz. 2)
(17) = inserto rullo art. 06141-71			

CILINDRO SAGOMATO (Nichelato Fin.12)	
con borchie	senza borchie
0E301-20 L=88 (28,5-59,5)	0E301-33 L=84 (28,5-54,5)

E= 100 mm

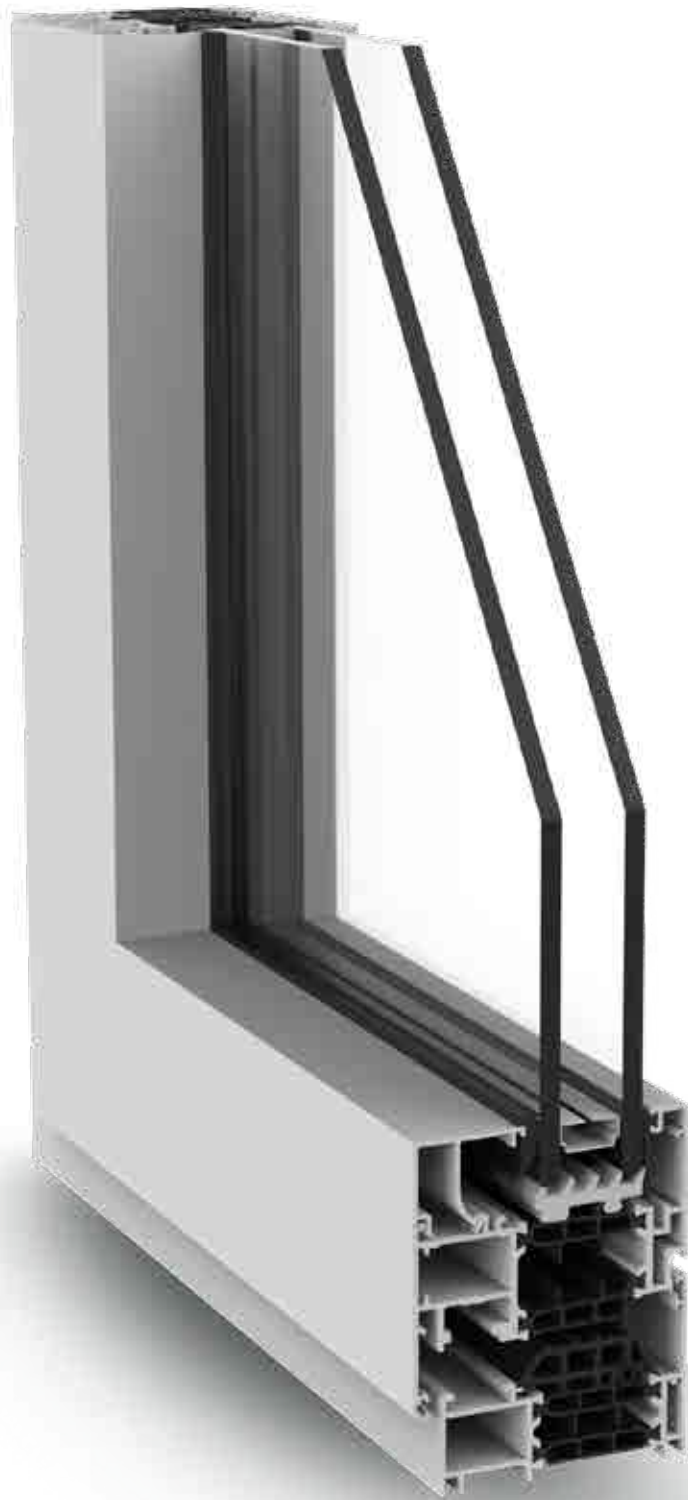
**A** art. 56357

**B** art. 56357

**C** art. 56357  
art. 06168-00  
Kit Multipunto Modulare 24x3

**D** art. 06444-45

**E** art. 06444-45-0



**MATIC *72 UP***

## Traccia per capitolato

Infissi in alluminio realizzati con la serie taglio termico Matic 72 UP (pista 16 per ferramenta a nastro) con sistema di tenuta a giunto aperto con pinna centrale di forma tubolare e materiale coestruso, espanso/compatto. I profilati sono estrusi in lega di alluminio EN AW-6060 (UNI EN 573-3), stato di fornitura T5 e T6 conformi alla norma UNI EN 515 con tolleranze dimensionali e spessori conformi alla norma UNI EN 12020-2. Lega secondo la ricetta ALSistem. L'isolamento termico sarà costituito da barrette esclusivamente tubolari a tripla camera da 38 mm in poliammide a bassa densità ed agli inserti isolanti in PUR, l'assemblaggio delle barrette avverrà a mezzo di rullatura meccanica computerizzata, e le caratteristiche meccaniche delle barrette dovranno rimanere inalterate sino ad una temperatura massima di trattamento di 245°C.

Il processo di produzione è controllato secondo le norme UAETC, i valori di scorrimento dovranno essere superiori ai 24 daN/mm. Il telaio fisso avrà profondità 72mm mentre le parti apribili avranno una profondità di 80mm. Il sistema di tenuta sarà a giunto aperto con guarnizione centrale, in EPDM, avente un'aletta di tenuta che sormonta di 4,5mm il piano inclinato della parte apribile, la guarnizione centrale dovrà essere raccordata nei giunti con gli opportuni angoli vulcanizzati. I profili avranno linee d'rie o arrotondate internamente ed esternamente con la possibilità di accogliere soluzioni di fermavetri con taglio a 45° oppure 90°; nel caso di taglio a 90° con fermavetri arrotondati si potranno utilizzare gli appositi angoli di raccordo in alluminio pressofuso. La sigillatura dei vetri dovrà avvenire secondo le indicazioni riportate nel catalogo e solo ed esclusivamente con guarnizioni fermavetro originali. Appositi fori di drenaggio dovranno essere previsti sul telaio fisso e su quello mobile al fine di permettere il corretto drenaggio del serramento. La scelta dei profili sarà in funzione delle caratteristiche geometriche e dimensionali dell'infisso, della portata degli accessori e dei carichi di esercizio. Gli accessori utilizzati nella fabbricazione delle diverse tipologie dovranno essere solo ed esclusivamente quelli originali studiati appositamente per il sistema, riportati a catalogo e distribuiti dai licenziatari ALSistem, l'utilizzo di prodotti diversi da quelli indicati oppure il montaggio parziale o scorretto degli stessi comporterà la nullità dei certificati di prova e garanzia. La fabbricazione e la posa dovranno avvenire secondo i criteri di lavoro indicati da ALSistem. L'assemblaggio dei profili avverrà con squadrette in alluminio pressofuso multifunzione, i tagli dovranno essere protetti a mezzo sigillanti neutri.

La protezione e finitura dei profilati avverrà a mezzo dei normali trattamenti di superficie, ossidazione anodica conforme al marchio di qualità "Qualanod" oppure a mezzo di verniciatura con polveri poliesteri termoindurenti e polimerizzate in forno a temperature comprese tra 185°C e 195°C, in conformità del marchio di qualità "Qualicoat". La posa dovrà avvenire secondo i criteri disciplinati nel protocollo Thermoposa.

## Materiali

L'esecuzione dei serramenti è in lega d'alluminio EN AW-6060 sotto forma di profilati estrusi come indicato dalla disposizione normativa UNI EN 573-3. Lo stato di fornitura è in classe T5 e T6 secondo norma UNI EN 515. Le tolleranze dimensionali sono conformi alla UNI EN 12020-2. Lega secondo la ricetta ALSistem.

## Caratteristiche tecniche e dimensionali

Aspetto visivo esterno: complanare

Aspetto visivo interno: sormonto di 8mm

Profilati: estrusi in lega EN AW-6060 (UNI EN 573-3) anodizzabili e verniciabili. Lega secondo la formula ALSistem.

Sistema di tenuta: giunto aperto con precamera, con guarnizioni in EPDM

Sistema di isolamento termico: realizzato con distanziali in poliammide a bassa densità da 38mm a triplo tubolare e inserti isolanti in PUR

Sistema di accessori: originali ALSistem pista 16 per ferramenta a nastro

Distanza telaio anta: 12mm

Sovrapposizione battuta anta su telaio: 6mm

Altezza battuta vetro: 22mm

Fuga tra i profili: 5mm

Profondità telaio: 72mm

Profondità anta: 80mm

Tubolarità profili finestra: 15mm

Tubolarità profili porta: 36,4mm

Fissaggio vetri: con fermavetri lisci, tubolari, raggiati, smussati o modanati

Spazio vetro o pannello nei telai fissi: da 27mm a 65mm

Spazio vetro o pannello nelle ante: da 27mm a 73mm

## Certificazioni serie Matic 72 UP

Per il principio di estendibilità i certificati sotto riportati sono validi per la serie Matic 72 UP per le diverse tipologie di serramenti indicati in tabella.

	TIPOLOGIE SERRAMENTI		
	Finestra 2 ante ribalta	Porta finestra 2 ante ribalta	Finestra 4 ante ribalta
PROVE			
Misure del serramento	H =1.650 mm L =1.500 mm	H =2.400 mm L =1.500 mm	H =1.650 mm L =3.000 mm
Numero certificato	1994-CPD- RP0165	0970-CPD- RP0750	0970-CPD- RP0812
Valore prova permeabilità all'aria	classe 4	classe 4	classe 4
Valore prova tenuta all'acqua	classe E1200	classe E1050	classe E900
Valore prova resistenza al vento	classe C5	classe C4	classe C4

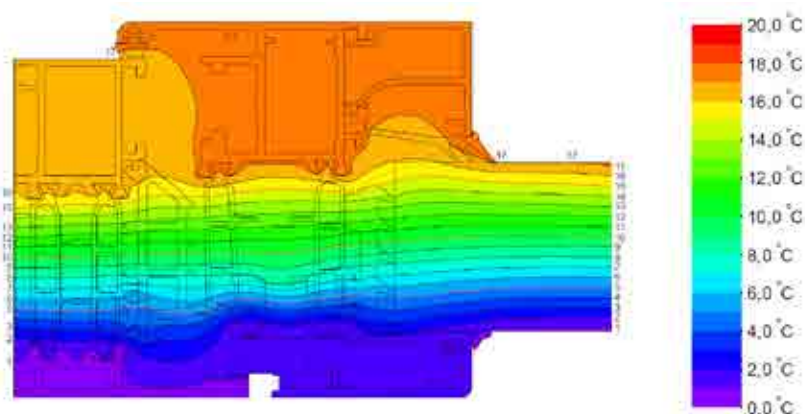
## Determinazione della trasmittanza termica dei nodi del sistema per serramenti MATIC 72 UP

Per la determinazione della trasmittanza termica dei profilati, la serie MATIC 72 UP è stata certificata, dal laboratorio notificato IRCCOS, secondo la normativa di prodotto EN ISO 10077-2: 2017, seguendo il metodo di calcolo tramite "Flixo pro 8.1". Il codice di riferimento del documento rilasciato dal laboratorio corrisponde al n° 1994-CPR-RP2396.

### Metodologia di analisi utilizzata

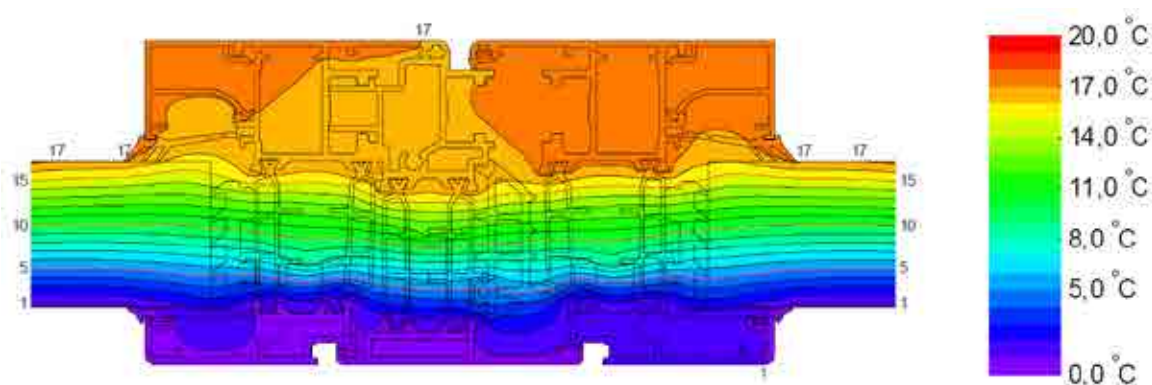
Il calcolo della trasmittanza termica è stato eseguito in accordo con la norma EN ISO 10077-2:2017. Per i calcoli è stato utilizzato il software "Flixo pro 8.1". Si riporta come esempio, una pagina del documento rappresentante il nodo laterale, centrale.

### Andamento delle temperature e dei flussi di calore nel nodo laterale UP 71803 + UP 71977



Trasmittanza termica nodo laterale  $U_f = 1,4 \text{ W/m}^2\text{K}$

### Andamento delle temperature e dei flussi di calore nel nodo centrale UP 71977 + UP 71913 + UP 71977



Trasmittanza termica nodo centrale  $U_f = 1,4 \text{ W/m}^2\text{K}$

1 ante

**$U_w$  1,18  $\text{W/m}^2\text{K}$**

2 ante

**$U_w$  1,25  $\text{W/m}^2\text{K}$**

Valori ottenuti per una finestra con dimensioni normalizzate secondo UNI EN 14351-1 (1,23m [ $\pm$  25%] x 1,48m [- 25%]) con **mono vetrocamera  $U_g$  1,00W/m<sup>2</sup>K e psi 0,036**. Tutti i valori riportati sono certificati da ente notificato.

### ISOLAMENTO TERMICO

**$U_w$  0,86  $\text{W/m}^2\text{K}$**

**$U_w$  0,96  $\text{W/m}^2\text{K}$**

Valori ottenuti per una finestra con dimensioni normalizzate secondo UNI EN 14351-1 (1,23m [ $\pm$  25%] x 1,48m [- 25%]) con **doppio vetrocamera  $U_g$  0,60W/m<sup>2</sup>K e psi 0,031**. Tutti i valori riportati sono certificati da ente notificato.



## General specifications

Aluminum frames made with the Matic 72 UP thermal break series (groove 16 for strip hardware) with open joint sealing system with central tubular fin and coextruded, expanded / compact material. The profiles are extruded in 6060 aluminum alloy (EN 573.3), supplied condition T5 and T6 compliant with UNI EN 515 with dimensional tolerances and thicknesses compliant with UNI EN 12020-2. Alloy according to the ALSistem recipe. The thermal insulation will consist of exclusively 38 mm double-chamber tubular bars in low density polyamide and insulating inserts in PUR, the assembly of the bars will take place by means of computerized mechanical rolling, and the mechanical characteristics of the bars must remain unchanged. up to a maximum treatment temperature of 245 ° C. The production process is controlled according to UAETC standards, the sliding values must be greater than 24 daN / mm. The fixed frame will have a depth of 72mm while the opening parts will have a depth of 80mm. The sealing system will be open joint with central gasket, in EPDM, having a sealing fin that surmounts the inclined plane of the opening part by 4.5mm, the central gasket must be connected at the joints with the appropriate vulcanized corners. The profiles will have straight or rounded lines internally and externally with the possibility of accommodating glazing bead solutions with 45 ° or 90 ° cut; in the case of 90 ° cutting with rounded glazing beads, the appropriate die-cast aluminum connection angles can be used. The glass sealing must be carried out according to the instructions given in the catalog and only and exclusively with original glazing gaskets. Special drainage holes must be provided on the fixed and mobile frame in order to allow correct drainage of the window. The choice of profiles will depend on the geometric and dimensional characteristics of the frame, the capacity of the accessories and the operating loads. The accessories used in the manufacture of the different types must be exclusively the original ones designed specifically for the system, listed in the catalog and distributed by the ALSistem licensees, the use of products other than those indicated or the partial or incorrect assembly of the same will result in nullity test and warranty certificates. Manufacturing and installation must take place according to the work criteria indicated by ALSistem. The assembly of the profiles will take place with extruded aluminum or die-cast multifunction brackets, the cuts must be protected by silicone acrylic sealants or MS polymers. The protection and finishing of the profiles will take place by means of normal surface treatments, anodic oxidation in compliance with the "Qualanod" quality mark or by means of painting with thermosetting polyester powders and polymerized in the oven at temperatures between 185 ° C and 195 ° C, in accordance with the "Qualicoat" quality mark.

## Materials

The execution of the doors and windows is in aluminum alloy EN AW-6060 in the form of extruded profiles as indicated by the UNI EN 573-3.3 standard. The supply condition is in class T5 and T6 according to the EN 515. standard. Dimensional tolerances comply with UNI EN 12020-2. Alloy according to the ALSistem recipe.

## Technical and dimensional characteristics

External visual aspect: coplanar

Internal visual aspect: coplanar or 8mm overlap

Profiles: extruded in light alloy EN AW-6060 (UNI EN 573-3) which can be anodized and painted. Alloy according to the ALSistem formula.

Sealing system: open joint with pre-chamber or double rabbet, with EPDM gaskets

Thermal insulation system: made with 38mm low density polyamide double tubular spacers and PUR insulating inserts

Accessory system: ALSistem original groove16 for strip hardware

Leaf frame distance: 12mm

Overlap of door stop on frame: 6mm

Glass stop height: 22mm

Gap between the profiles: 5mm

Frame depth: 72mm

Door depth: 80mm

Window profiles tubularity: 15mm

Door profiles tubularity: 36.4mm

Glass fixing: with smooth, rounded, beveled or molded and smooth tubular glass beads

Space for glass or panel in fixed frames: from 27mm to 65mm

Space for glass or panel in the doors: from 27mm to 73mm

## Matic 72 UP range certifications

The Matic 72 UP system has been subjected to the tests shown in the table for the different types of door and window.

	CONSTRUCTION TYPE		
	2 leaf tilt & turn windows	2 leaf tilt & turn door	4 leaf windows
TEST			
Dimension	H =1650 mm L =1500 mm	H =2400 mm L =1500 mm	H =1650 mm L =3000 mm
Certificate	1994-CPD- RP0165	0970-CPD- RP0750	0970-CPD- RP0812
Air permeability	classe 4	classe 4	classe 4
Water tightness	classe E1200	classe E1050	classe E900
Resistance wind load	classe C5	classe C4	classe C4

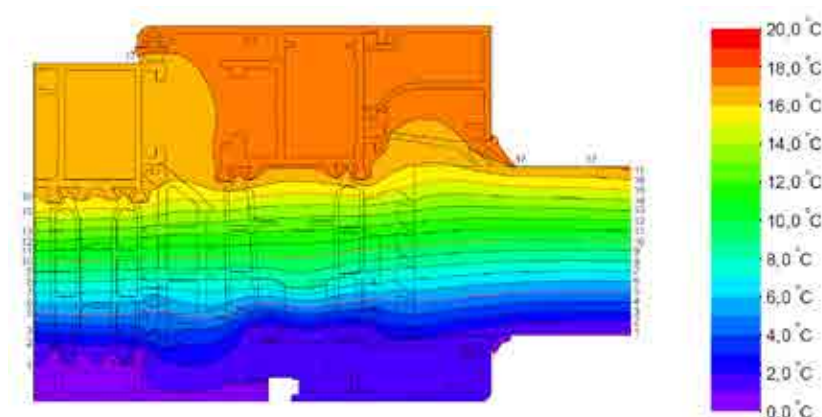
## Determination of thermal transmittance of the sections of the MATIC 72 UP system for windows

For the determination of the thermal transmittance of the profiles, the series MATIC 72 UP has been certified by the notified laboratory IRCCOS, according to the product standards EN ISO 10077-2: 2017, following the method of calculation by software "Flixo pro 8.1". The reference of the document issued by the laboratory correspond to n° 1994-CPR-RP2396.

### Methodology analysis used

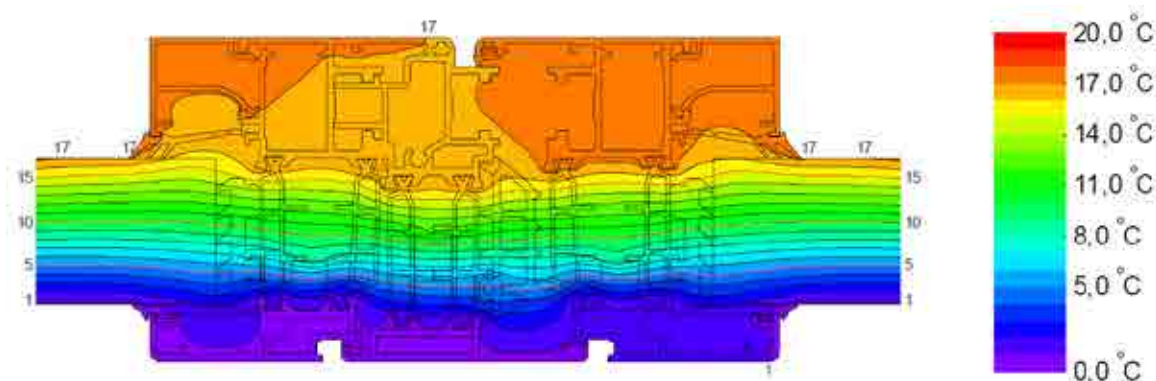
The calculation of the thermal transmittance was performed according to the EN ISO 10077-2: 2017. For the calculations we used the software "Flixo pro 8.1".

### Trend of temperatures and heat flows in the lateral section UP 71803 + UP 71977



Thermal trasmittance in lateral section  $U_f = 1.4 \text{ W/m}^2\text{K}$

### Trend of temperatures and heat flows in the central section UP 71977 + UP 71913 + UP 71977



Thermal trasmittance in central section  $U_f = 1.4 \text{ W/m}^2\text{K}$

1 leaf

**$U_w 1.18 \text{ W/m}^2\text{K}$**

2 leaf

**$U_w 1.25 \text{ W/m}^2\text{K}$**

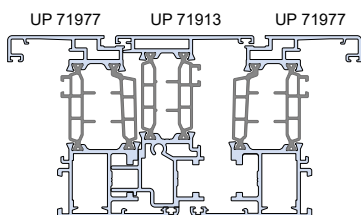
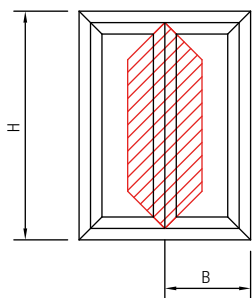
Values obtained for a window with normalized dimensions according to UNI EN 14351-1 (1.23m [± 25%] x 1.48m [- 25%]) with **mono glazing**  $U_g 1.00\text{W/m}^2\text{K}$  and 0.036 psi. All the values shown are certified by a notified authority.

### Thermal Insulation

**$U_w 0.86 \text{ W/m}^2\text{K}$**

**$U_w 0.96 \text{ W/m}^2\text{K}$**

Values obtained for a window with normalized dimensions according to UNI EN 14351-1 (1.23m [± 25%] x 1.48m [- 25%]) with **double glazing**  $U_g 0.60\text{W/m}^2\text{K}$  and 0.031 psi. All the values shown are certified by a notified authority.



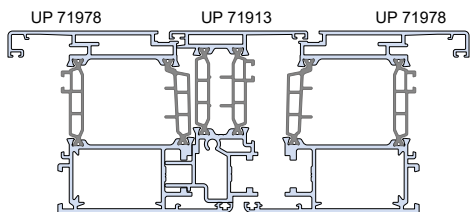
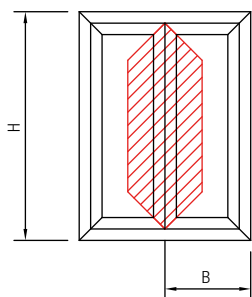
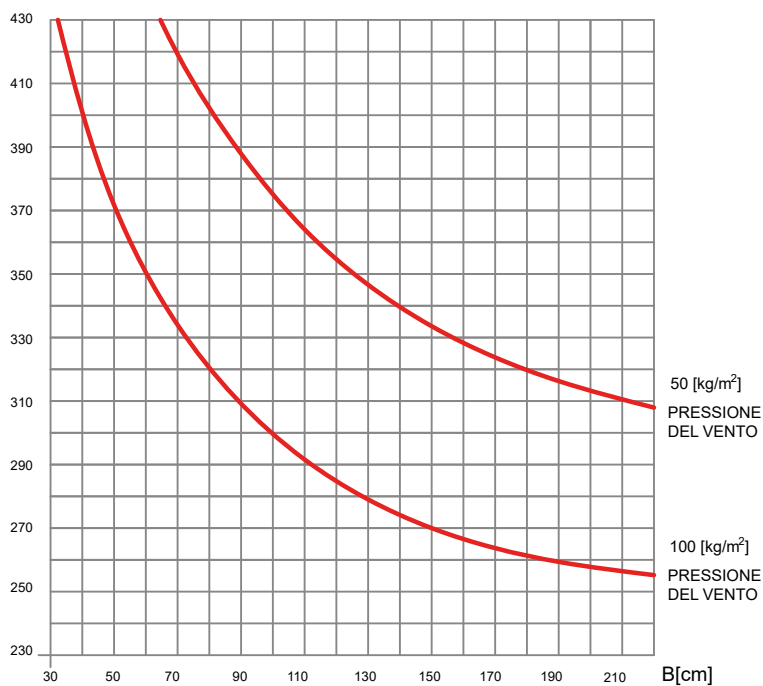
$J_t = 158,5 \text{ cm}^4$

freccia max 1/300

VERIFICARE CHE LA FRECCIA DEL PROFILO SIA COMPATIBILE COL VETRO IMPIEGATO

*Check that profile face is compatible with glazing used*

H[cm]



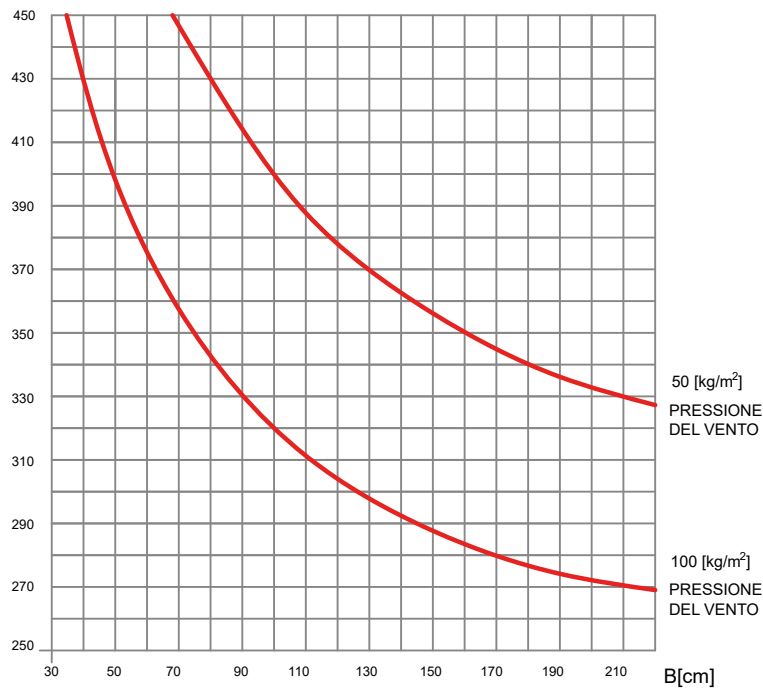
$J_t = 196,2 \text{ cm}^4$

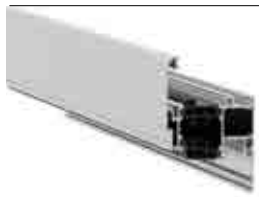
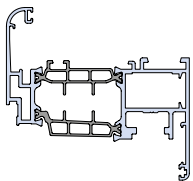
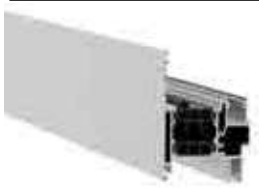
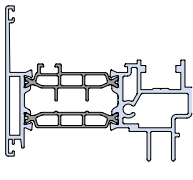

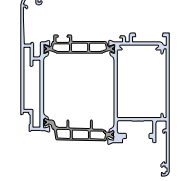

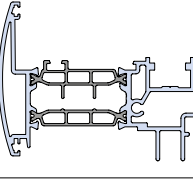

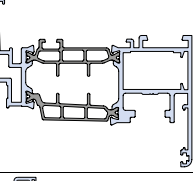

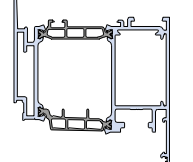
freccia max 1/300

VERIFICARE CHE LA FRECCIA DEL PROFILO SIA COMPATIBILE COL VETRO IMPIEGATO

*Check that profile face is compatible with glazing used*

H[cm]

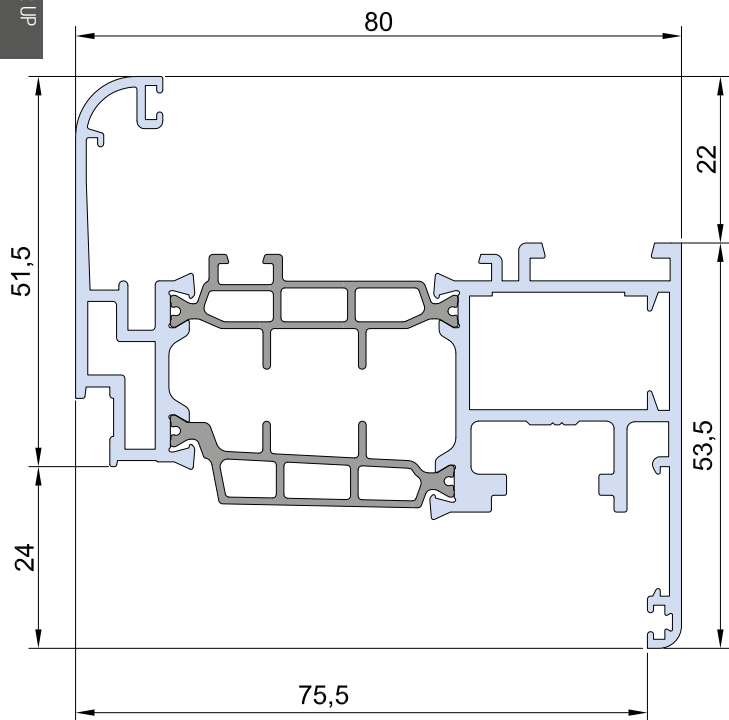


	Sagoma	Art.	Descrizione	Peso gr/m	Jxx cm <sup>4</sup> Jyy cm <sup>4</sup>
		UP 71912	Anta raggiata Matic <i>Matic rounded leaf</i>	1769	54,63 16,13
		UP 71913	Riporto centrale liscio Matic <i>Matic smooth astragal seal</i>	1518	42,05 9,63
		UP 71917	Anta raggiata maggiorata Matic <i>Matic rounded oversized leaf</i>	2269	73,48 49,79
		UP 71918	Riporto centrale raggiato Matic <i>Matic rounded astragal seal</i>	1718	49,21 12,04
		UP 71977	Anta retta Matic <i>Matic flat leaf</i>	1781	55,34 16,86
		UP 71978	Anta retta maggiorata Matic <i>Matic flat oversized leaf</i>	2285	74,20 51,17

I profili sopra sono abbinabili solo ai telai piani disponibili tra la gamma Planet 72 UP

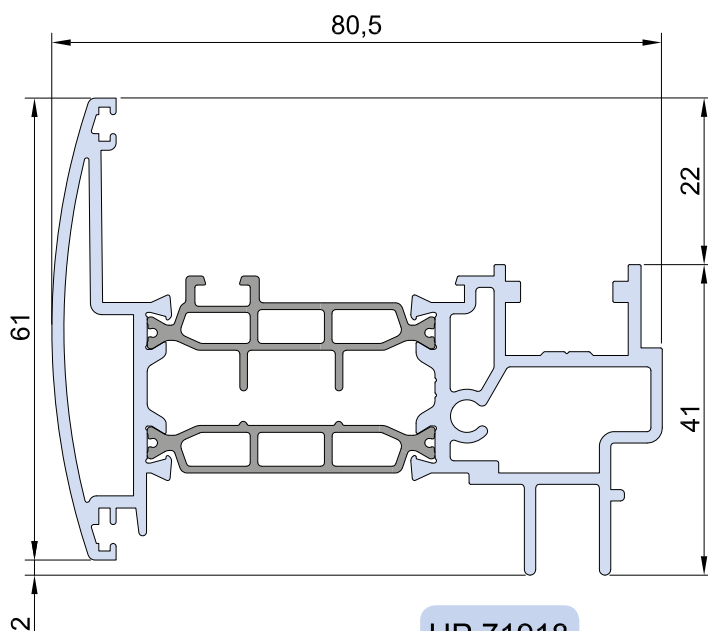
UP 71802  
UP 71824  
UP 71822  
UP 71832  
UP 71883  
UP 71833  
UP 71803

MATIC 72 UP



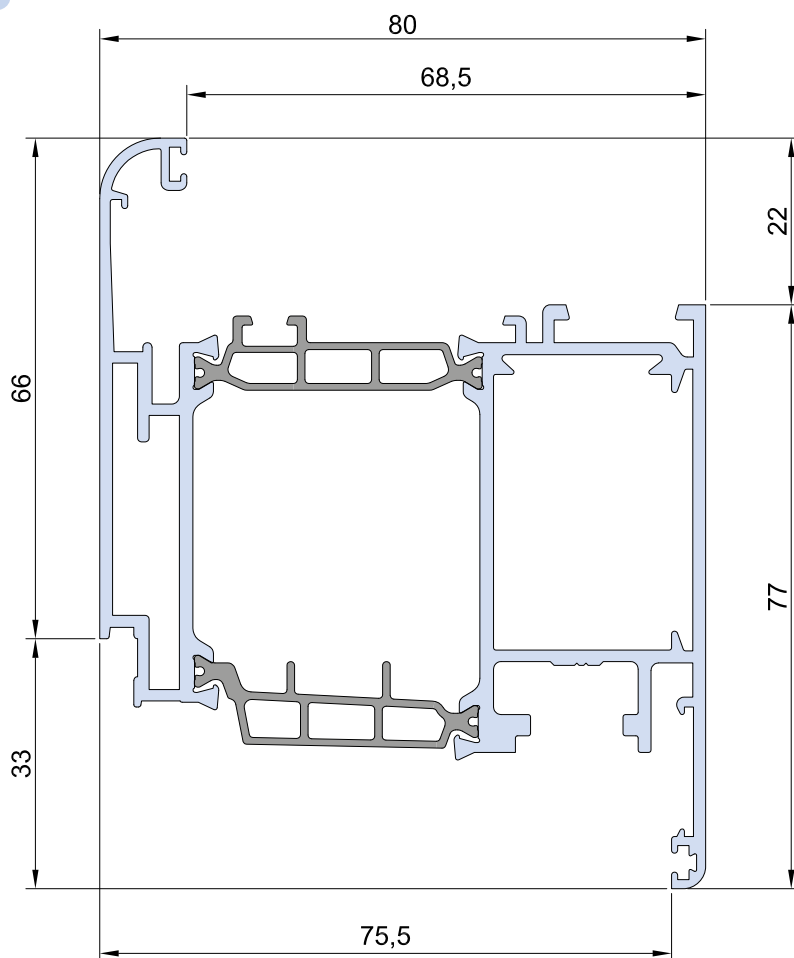
**UP 71912**

1692 gr/m



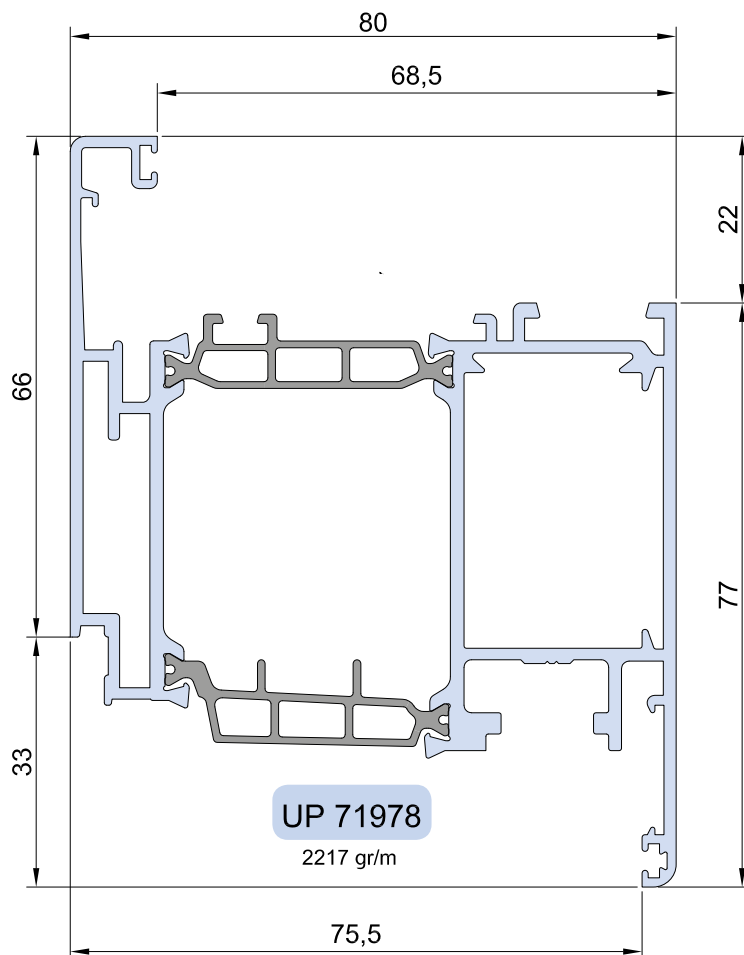
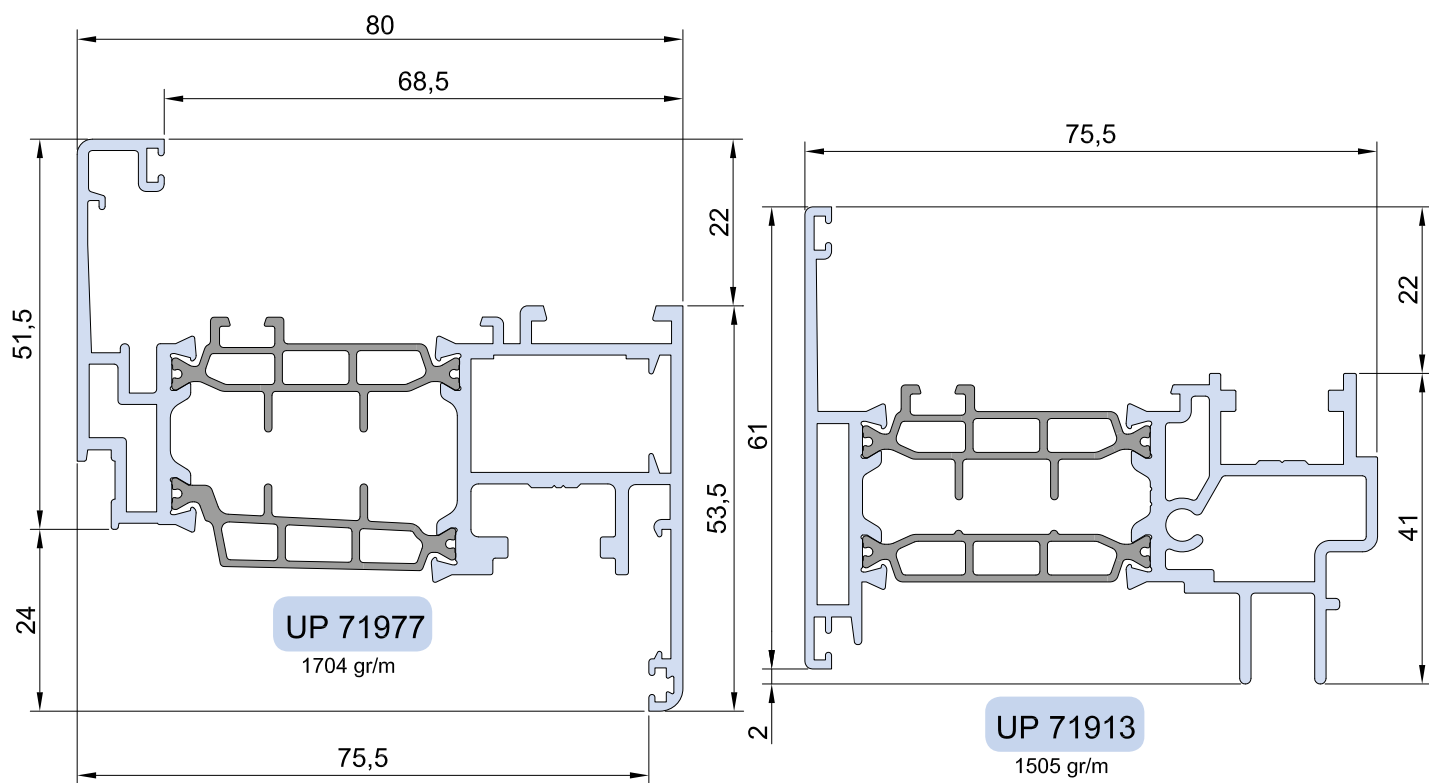
**UP 71918**

1639 gr/m



**UP 71917**

2202 gr/m



**ACP 72180 M**

Tappo riporto centrale per  
versione Matic 72 UP giunto  
aperto  
Ctz: 20 pz

*Central plug for Matic version  
Pkg: 20 pcs*

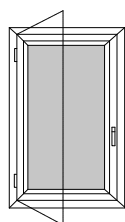
**NOTA BENE**

**GUARNIZIONI:** Si possono utilizzare le stesse del Planet 72 UP

**ACCESSORI GENERICI:** Si possono utilizzare gli stessi del Planet 72 UP

**ACCESSORI DI GIUNZIONE:** Si possono utilizzare gli stessi del Planet 72 UP





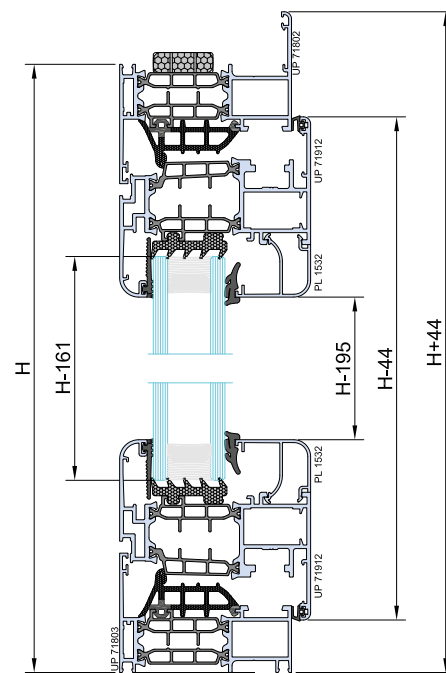
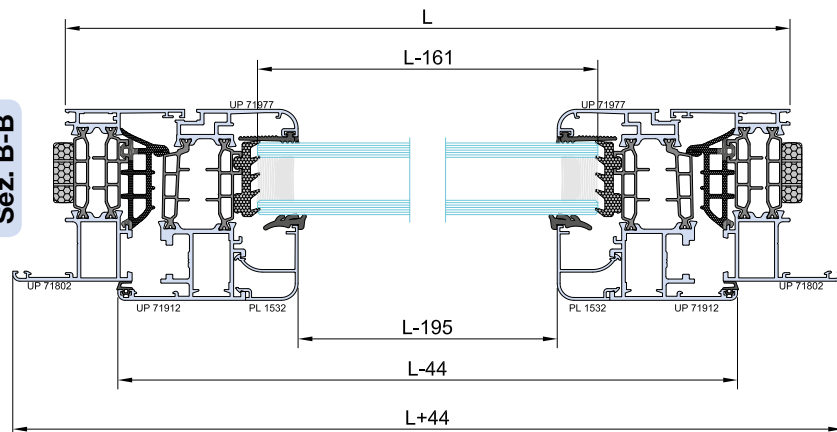
Finestra 1 anta MATIC  
1 leaf window MATIC

Distinta vetri  
Glass list

Pezzi	L	H
1	L-161	H-161

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm

Sez. B-B



MATIC 72 UP

Sez. A-A

Distinta profili  
Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio transom frame	1	L+44	
	Montante telaio mullion frame	2	H+44	
UP 71803	Traverso telaio inf. lower transom frame	1	L	
UP 71912	Traverso anta transom leaf	2	L-44	
	Montante anta mullion leaf	2	H-44	
PL 1532	Traverso fermavetro transom glazing bead	2	L-195	
	Montante fermavetro mullion glazing bead	2	H-195	

Distinta accessori  
Accessories

Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione corner cleat	8 pz
ACP 5008	Squadretta all. inox inox corner cleat	6 pz
ACP 50110	Squadretta all. eccentrico alignment corner cleat with tightening eccentrics	4 pz
ACP 50153	Squadretta cianfrinare. est. alignment corner cleat	8 pz
ACP 5030	Spina ø3mm Ø3mm pin	16 pz
ACP 50539	Regolo muro obliquo oblique wall spacer	6/8 pz
ACP 5014	Angolo fermavetro glazing bead corner	4 pz
AGP 72185	Angolo vulcanizzato vulcanized corner	4 pz
ACP 5001	Vite per squadretta screw for cleat	16 pz

Distinta guarnizioni  
Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta wall seal	2 2	L-44 H-44
AGP 40131	Sotto vetro glazing strip	2 2	L-141 H-141
AGP 5037	Isolamento muro wall insulation	1	L
AGP 72172	Pinna giunto aperto central beat	2 2	L-124 H-124
Dipende dal vetro	Vetro esterna external glass gasket	2 2	L-161 H-161
Dipende dal vetro	Vetro interna internal glass gasket	2 2	L-161 H-161
AGP 5034/25	Isolamento spalla abutment insulation	1 2	L H

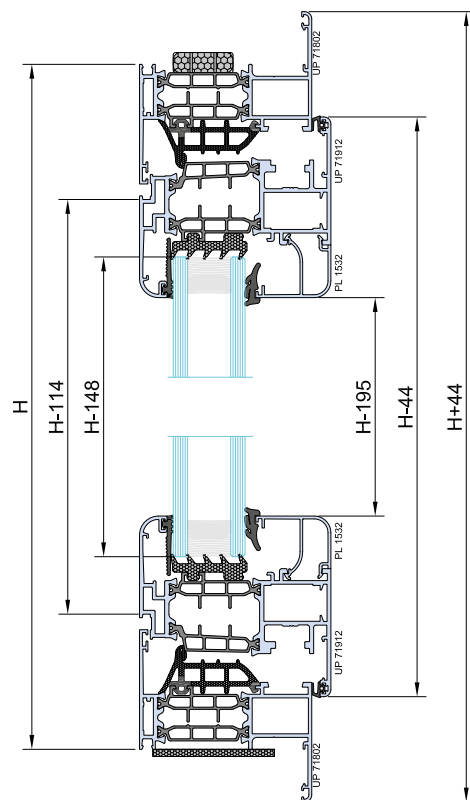
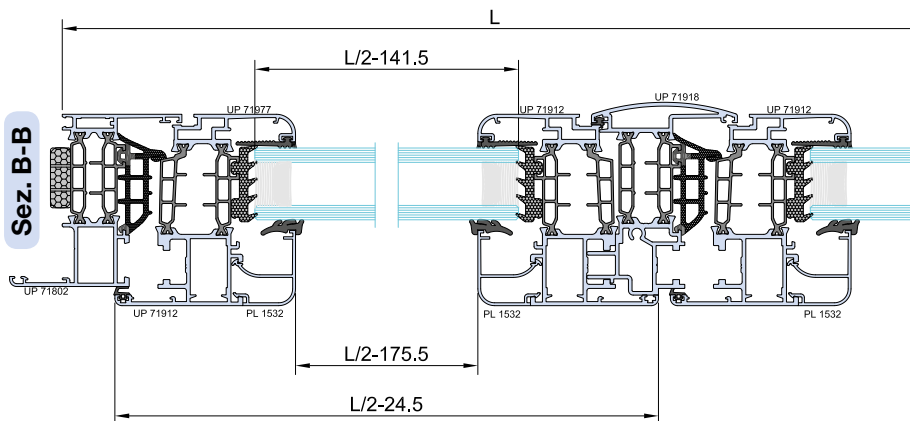
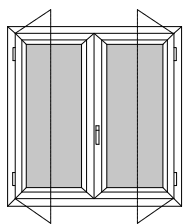
**Finestra 2 ante Matic**  
2 leaf window Matic

Distinta vetri  
Glass list

Pezzi	L	H
1	L/2-141.5	H-161

ANTA MINIMA REALIZZABILE 700mm  
Minimum leaf achievable 700mm

MATIC 72 UP



Sez. A-A

Distinta profili  
Profiles list

Art.	Descrizione	Pezzi	Misura	Taglio
UP 71802	Traverso telaio <i>transom frame</i>	1	L+44	
	Montante telaio <i>mullion frame</i>	2	H+44	
UP 71912	Traverso anta <i>transom leaf</i>	4	L/2-24.5	
	Montante anta <i>mullion leaf</i>	4	H-44	
PL 1532	Traverso fermavetro <i>transom glazing bead</i>	2	L/2-175.5	
	Montante fermavetro <i>mullion glazing bead</i>	2	H-195	
UP71918	Riporto centrale <i>central cap</i>	1	H-114	

Distinta accessori  
Accessories

Art.	Descrizione	Q.tà
ACP 5801M	Squadretta multifunzione <i>corner cleat</i>	12 pz
ACP 5001	Vite per squadretta <i>screw for corner cleat</i>	24 pz
ACP 5008	Squadretta all. inox <i>inox corner cleat</i>	12 pz
ACP 50110	Squadretta all. eccentrico <i>alignment corner cleat with tightening eccentrics</i>	8 pz
ACP 50153	Squadretta cianfrinare est. <i>alignment corner cleat</i>	12 pz
ACP 5030	Spina ø3mm <i>Ø3mm pin</i>	24 pz
ACP 72180M	Tappo riporto <i>plug for central connection profile</i>	1 cp
AGP 72185	Angolo vulcanizzato <i>vulcanized corner</i>	4 pz
ACP 50539	Regolo muro obliquo <i>oblique wall spacer</i>	6/8 pz
ACP 5014	Angolo fermavetro <i>glazing bead corner</i>	8 pz

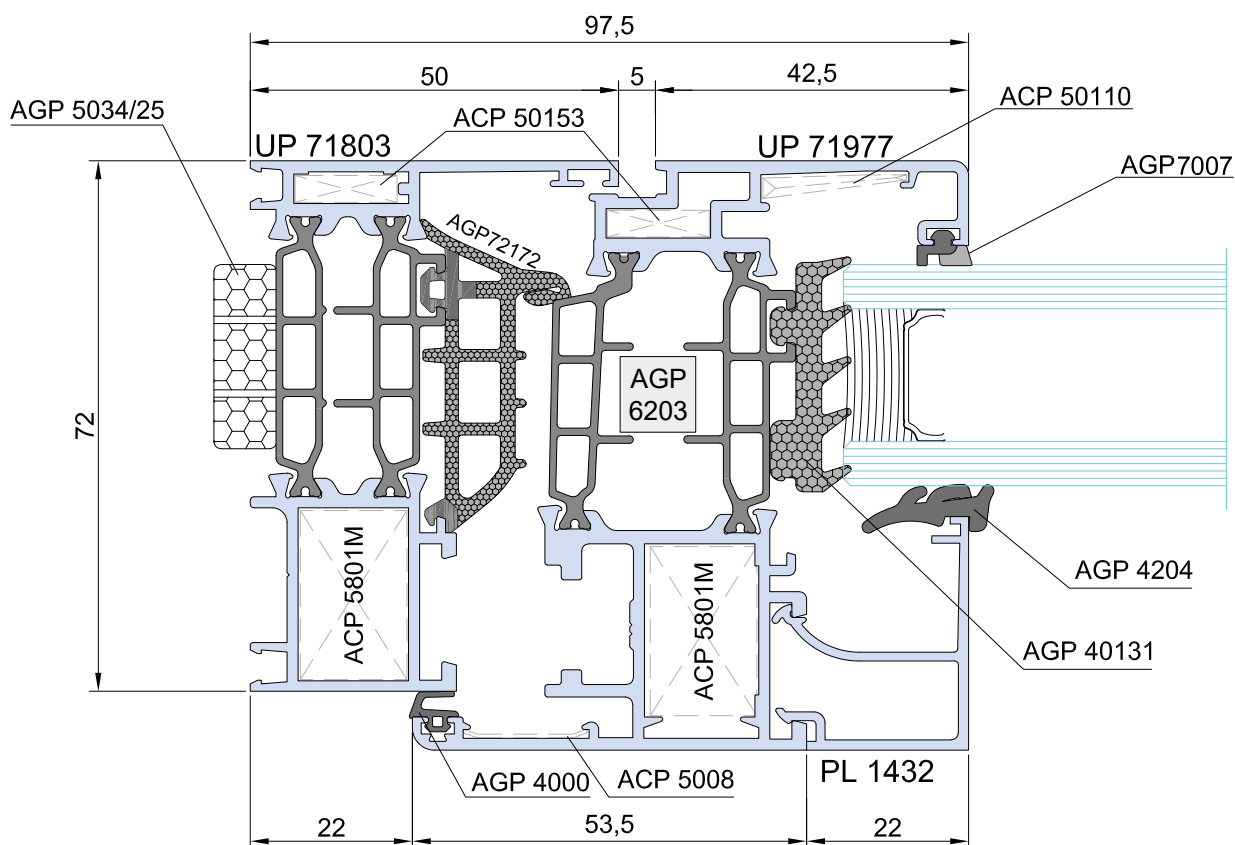
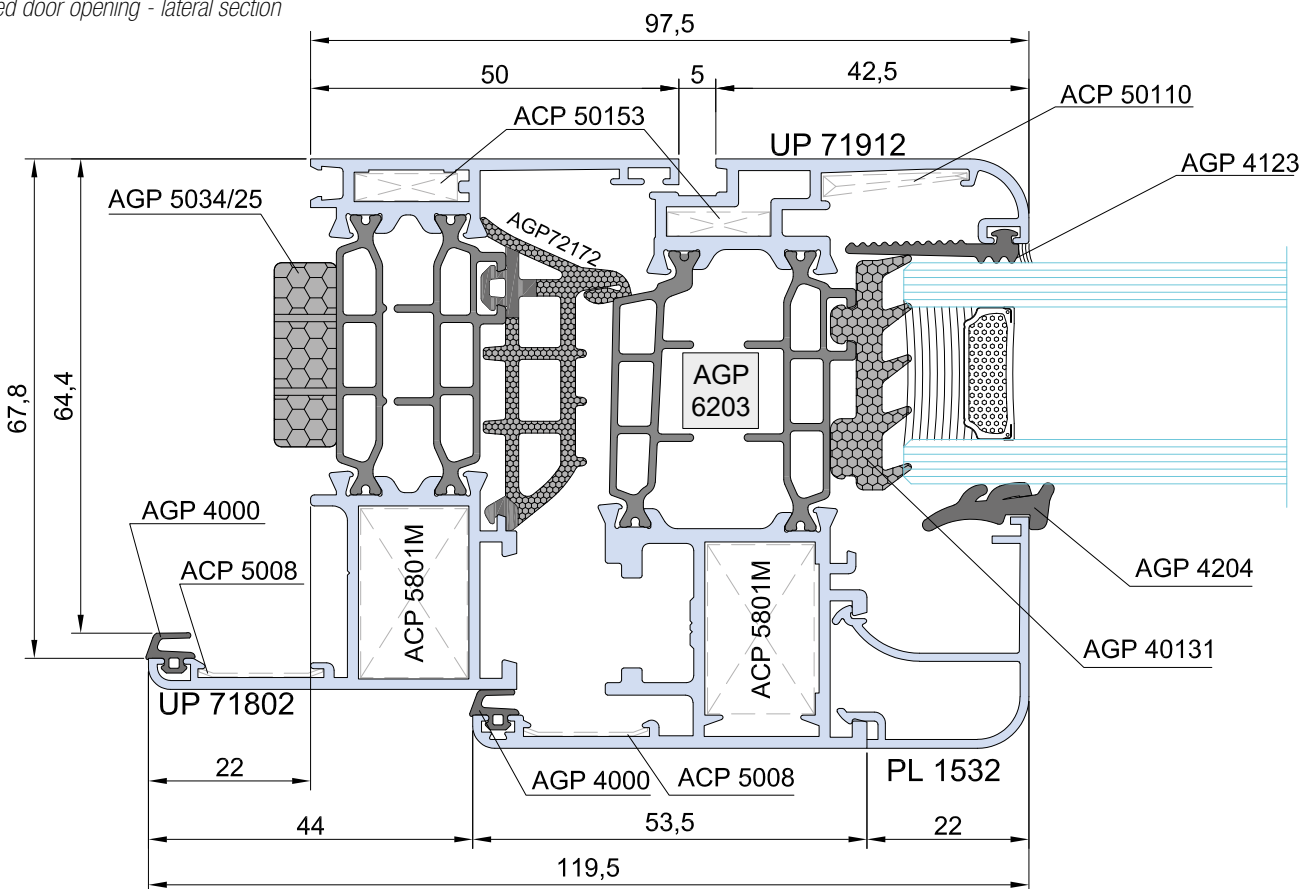
Distinta guarnizioni  
Gaskets list

Art.	Descrizione	Pezzi	Misura
AGP 4000	Battuta <i>wall seal</i>	4	L/2-24.5
		3	H-44
AGP 40131	Sotto vetro <i>glazing strip</i>	4	L/2-121.5
		4	H-141
AGP 5037	Isolamento muro <i>wall insulation</i>	1	L
AGP 72172	Pinna giunto aperto <i>central rabbet</i>	2	L-124
		2	H-124
Dipende dal vetro	Vetro esterna <i>external glass gasket</i>	4	L/2-141.5
		4	H-161
Dipende dal vetro	Vetro interna <i>internal glass gasket</i>	4	L/2-141.5
		4	H-161
AGP 4006	Battuta riporto <i>rabbet gasket</i>	1	H-114
AGP 5034/25	Isolamento spalla <i>abutment insulation</i>	1	L
		2	H

## Nodo 01

Apertura a battente - nodo laterale

Hinged door opening - lateral section



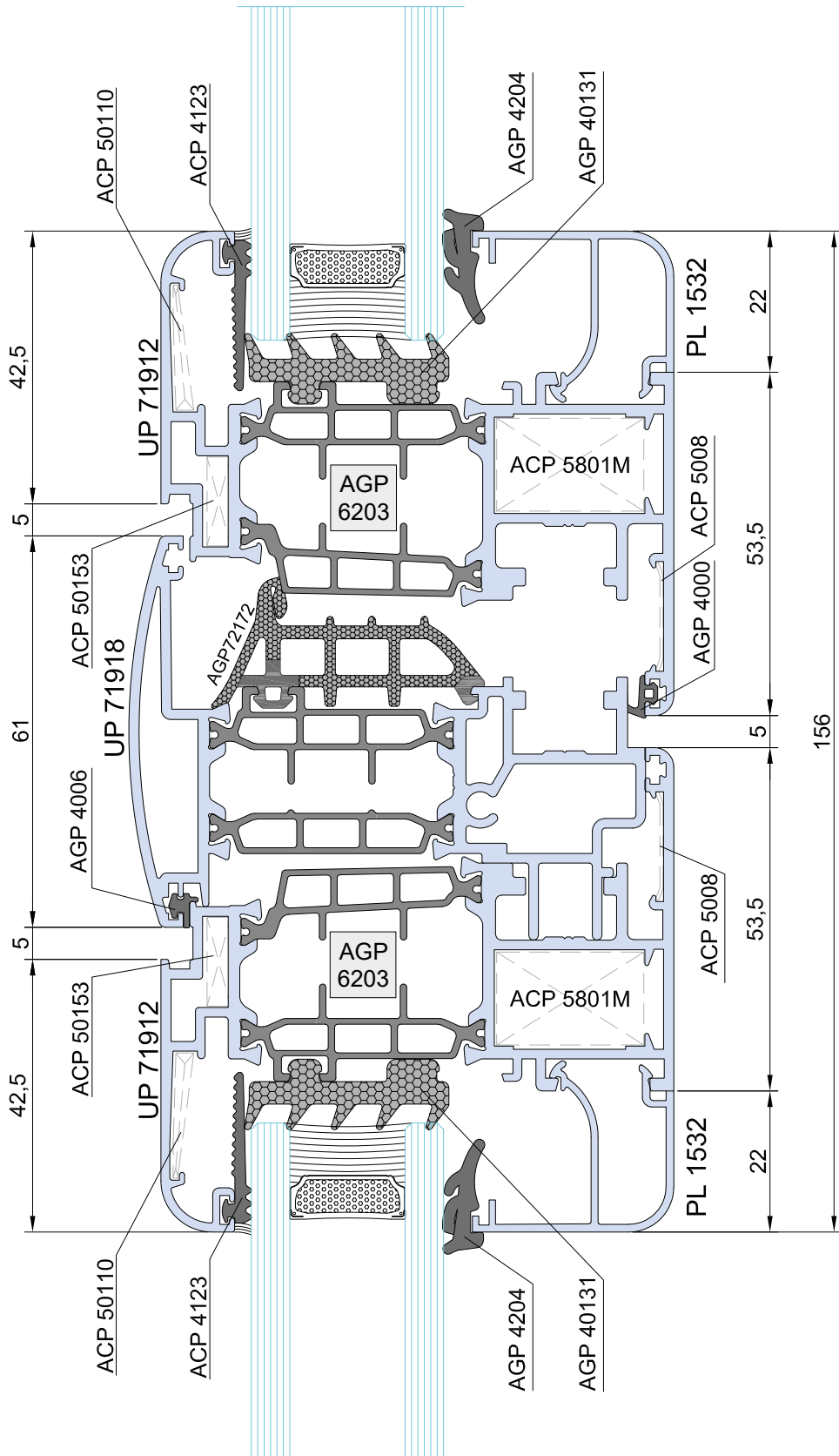
MATIC 72 UP

# Nodo 02

## Apertura interna - finestra a battente - nodo centrale

Inward opening - casement window - central section

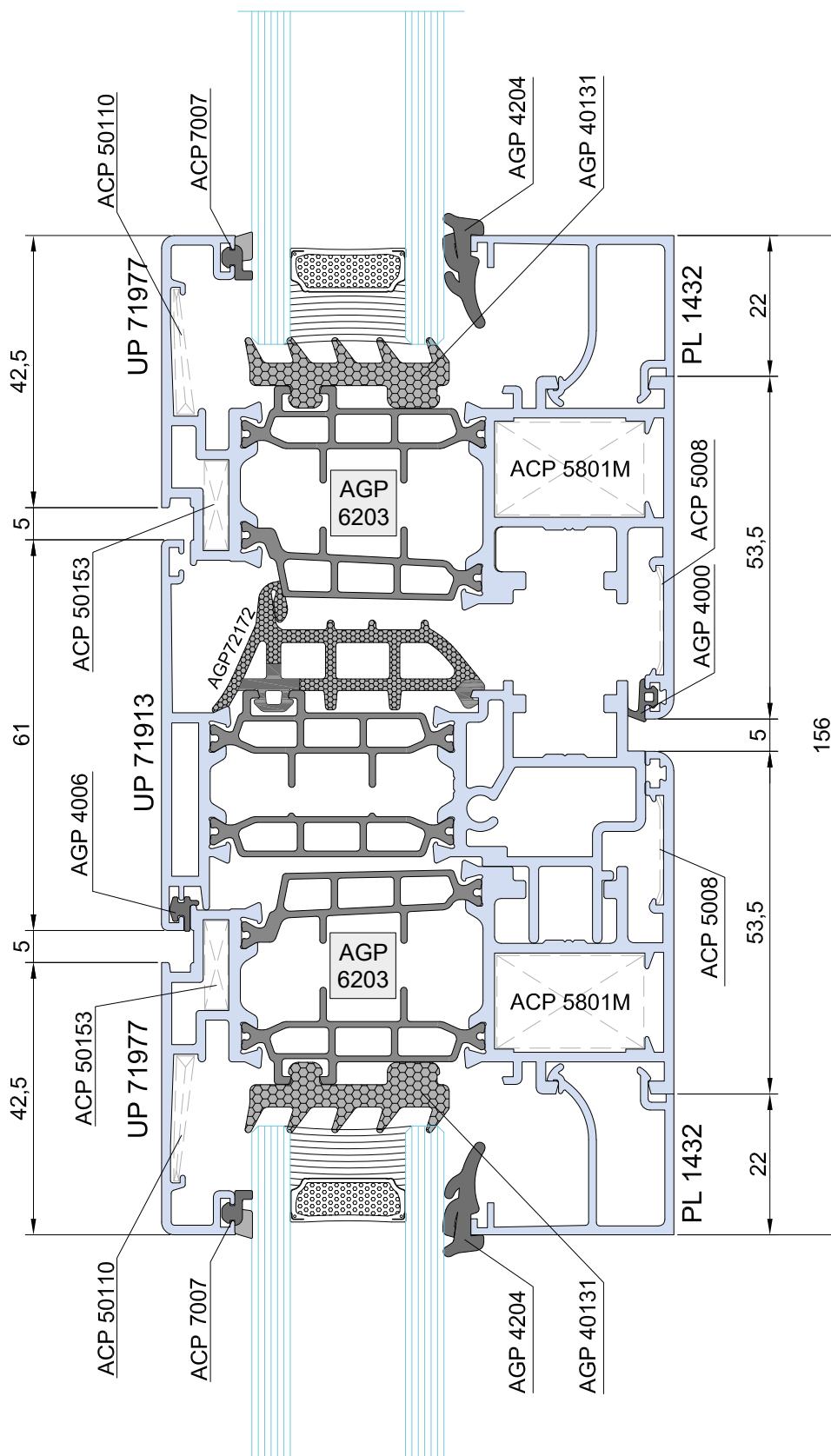
MATIC 72 UP



## Nodo 03

Apertura interna - finestra a battente - nodo centrale

Inward opening - casement window - central section

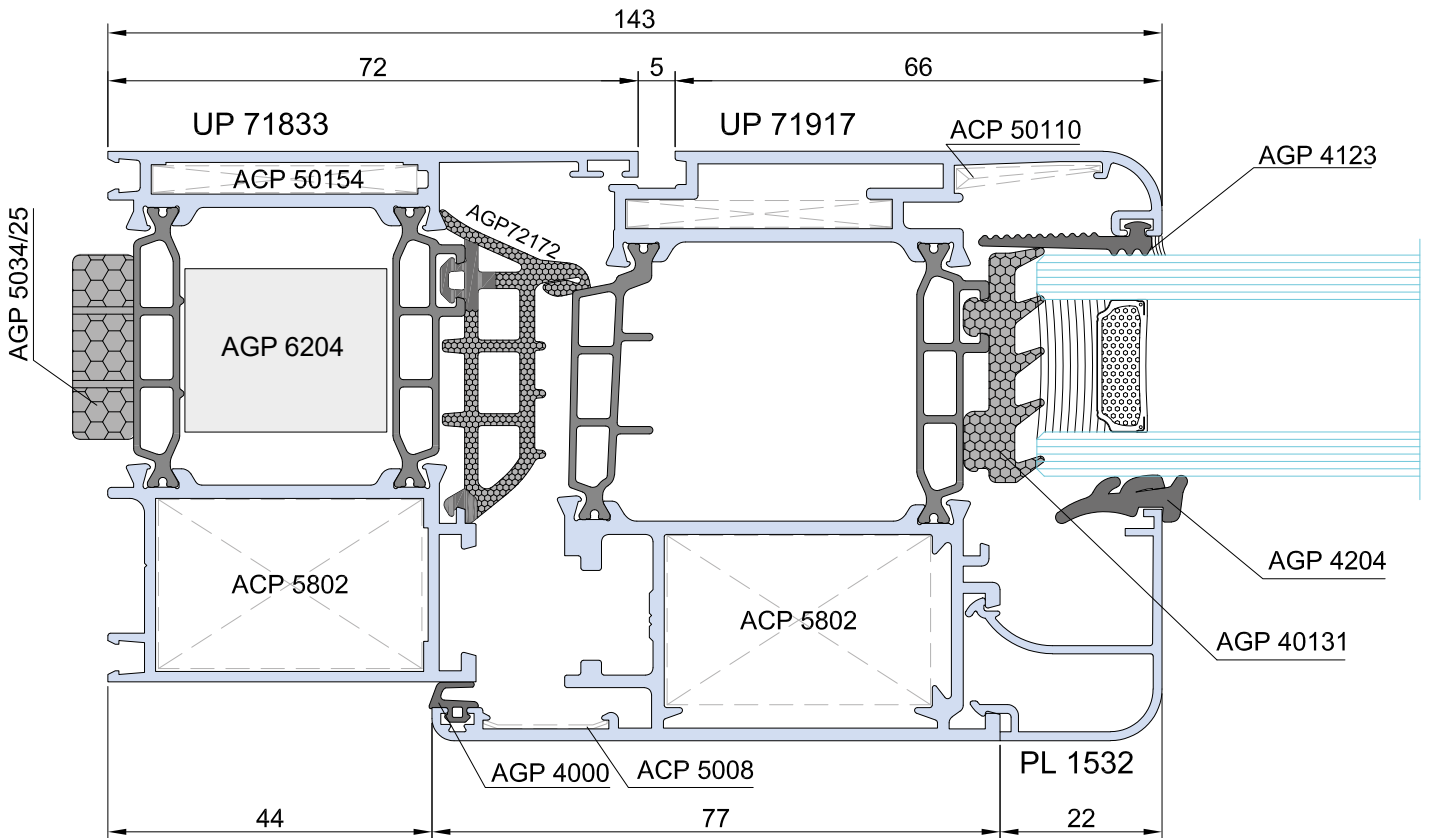
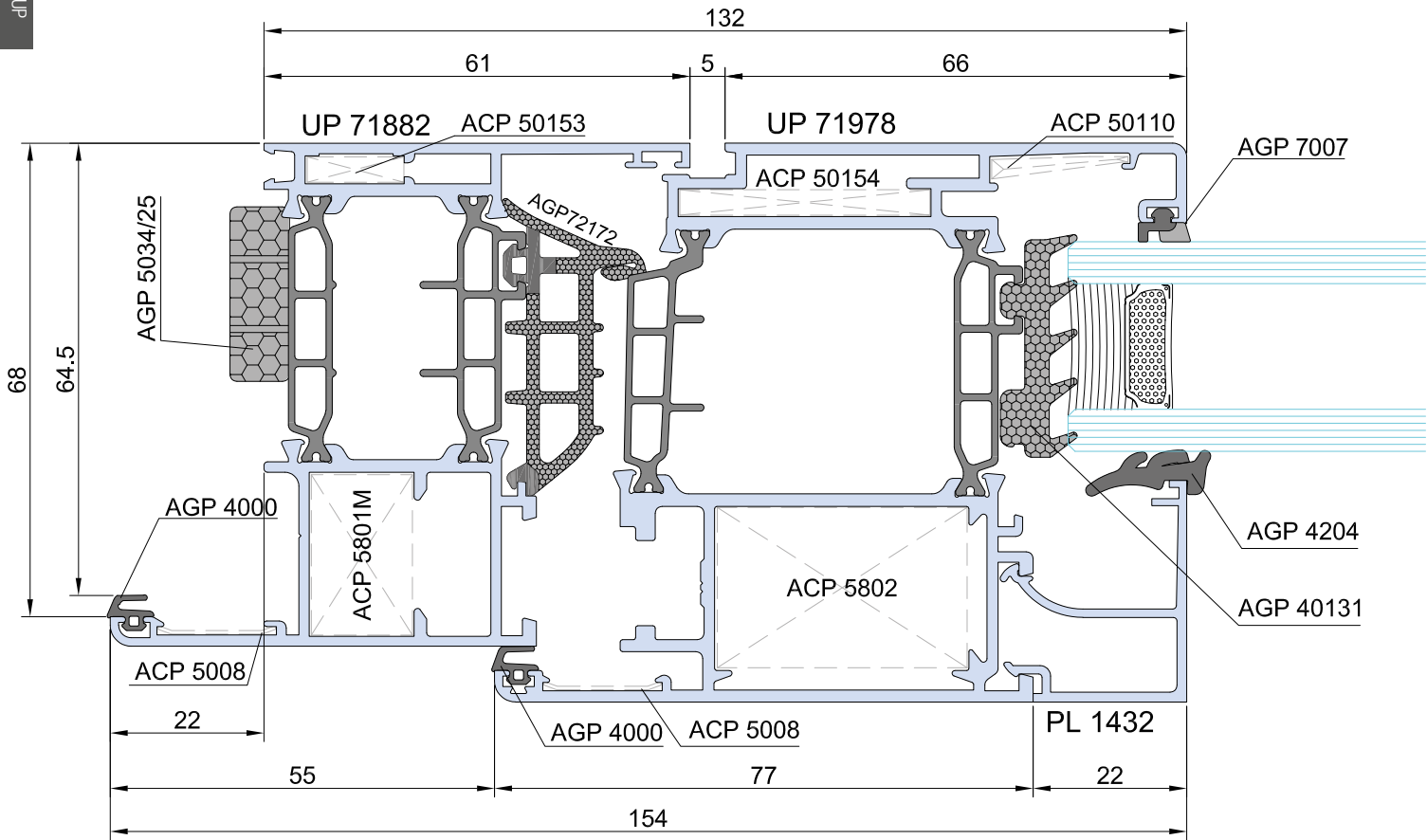


# Nodo 04

## Apertura interna - porta a battente - nodo laterale

Inward opening - casement door - lateral section

MATIC 72 UP



## 1 Montaggio tappo riporto centrale ACP 72180M

*Application of the central cap ACP 72180M*



1 Prima di montare il tappo di riporto centrale occorre sigillare le zone evidenziate nel disegno

*Before installing astragal cap, seal area shown on drawing*



ACP 72180M



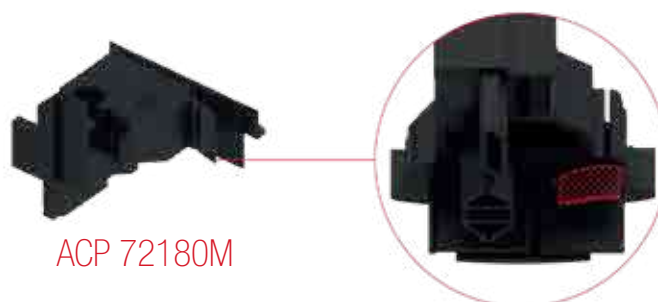
2 Avvitare con vite TC-CE 4,8

*Screwing with the screw TC-CE 4.8*



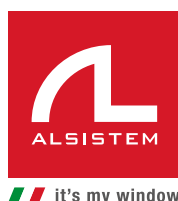
3 Dopo aver inserito il tappo accostare la guarnizione centrale, incollando la zona di contatto, come evidenziato in figura

*After fitting the cap, place the central fin, gluing the contact area*



ACP 72180M







## Info prodotto 2107

09.02.2021

# KIT CERNIERE VASISTAS SECRET

È disponibile il nuovo kit Cerniere Vasistas Secret.

Queste cerniere a scomparsa consentono di avere una pulizia estetica del serramento.

Articolo	Descrizione
 <p>ACP 5166</p>	SECRET - Kit Cerniere VASISTAS per infissi fino a 1.500 mm di larghezza: cerniera DX e SX e 2 Alzante
 <p>ACP 5167</p>	SECRET - Sostegno anta da abbinare al kit ACP 5166 da utilizzare in ante con larghezza maggiore di 1.500 mm

Il sistema deriva dalle cerniere SECRET già adottate sui sistemi ALSistem nelle applicazioni per anta e anta ribalta.

Questa soluzione permette di arrivare fino a **250 kg di portata massima**.

Si possono realizzare **aperture fino a 2500 mm**.

Le **regolazioni in altezza e compressione** consentono di ottenere il massimo grado di tenuta.

L'utilizzo degli **elementi riposa anta** consente di scaricare il peso su questi senza andare a gravare sulle cerniere.

L'**apertura a 180°** facilita notevolmente l'installazione e permette la pulizia esterna.

Nelle pagine seguenti trovate indicazioni relative alla portata, alle dimensioni, all'installazione e alle regolazioni.

EasyDoor	
Ecoslim 50 TT	●
Ecoslim 62 TT	●
Ecoslim 72 TT	●
Elite Door 72	
Door 62	
Door 72	
Sirio 50	
Smart 30	●
Planet 45	●
Planet 50 TT	●
Planet 50 PLUS	●
Planet 62 TT	●
Planet 62 PLUS	●
Planet 72 HT	●
Planet 72 PLUS	●
3G	●
Fullglazing	●
Matic 50	
Matic 50 PLUS	
Matic 62 TT	
Matic 62 PLUS	
Matic 72	
Matic 72 PLUS	
3G Matic	
Nathura 59	
Nathura 70	
Nathura 82	
Nathura 92	
Slide 60	
Slide 65	
Slide 80/106 PLUS	
Topslide 160 PLUS	
Slidewood 160	
Topslidewood 214	
Panoramico	
Balconi e balaustre	





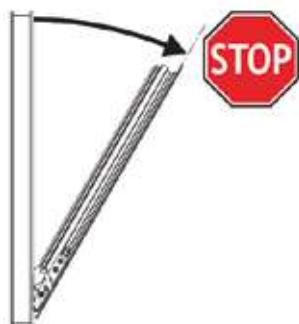
## Info prodotto 2107

09.02.2021

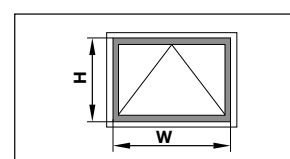
# KIT CERNIERE VASISTAS SECRET

PORTATA 250 kg

Sarà il sistema di limitazione dell'apertura utilizzato (vedi sotto) a determinare il peso massimo realizzabile dell'infisso.



Obligatorio: limitatore di apertura.  
Mandatory: Opening limiter

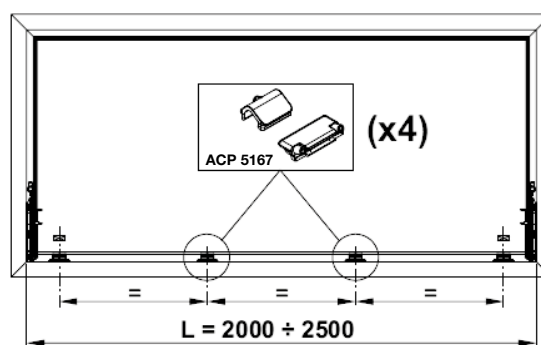
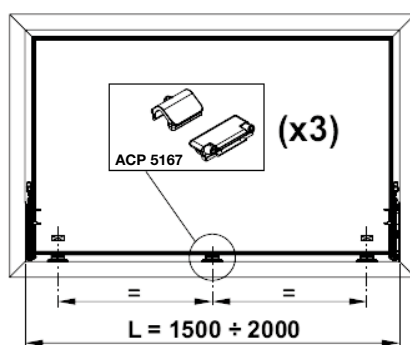
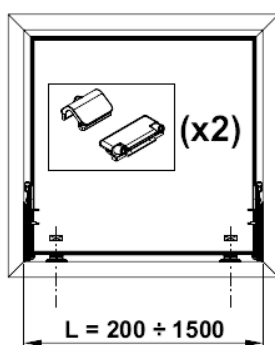


Descrizione / Description	Art./Item	KG	W (mm)	H (mm)
Braccio limitatore di apertura	ACP 5165	130 kg	200÷2500	420÷2500
Kit vasistas	ACP 5171	250 kg	780÷2500	600÷3000

## LARGHEZZA MASSIMA 2.500 mm

1.500 ÷ 2.000 mm (+ 1 elemento riposa ante)

2.000 ÷ 2.500 mm (+ 2 elementi riposa ante)





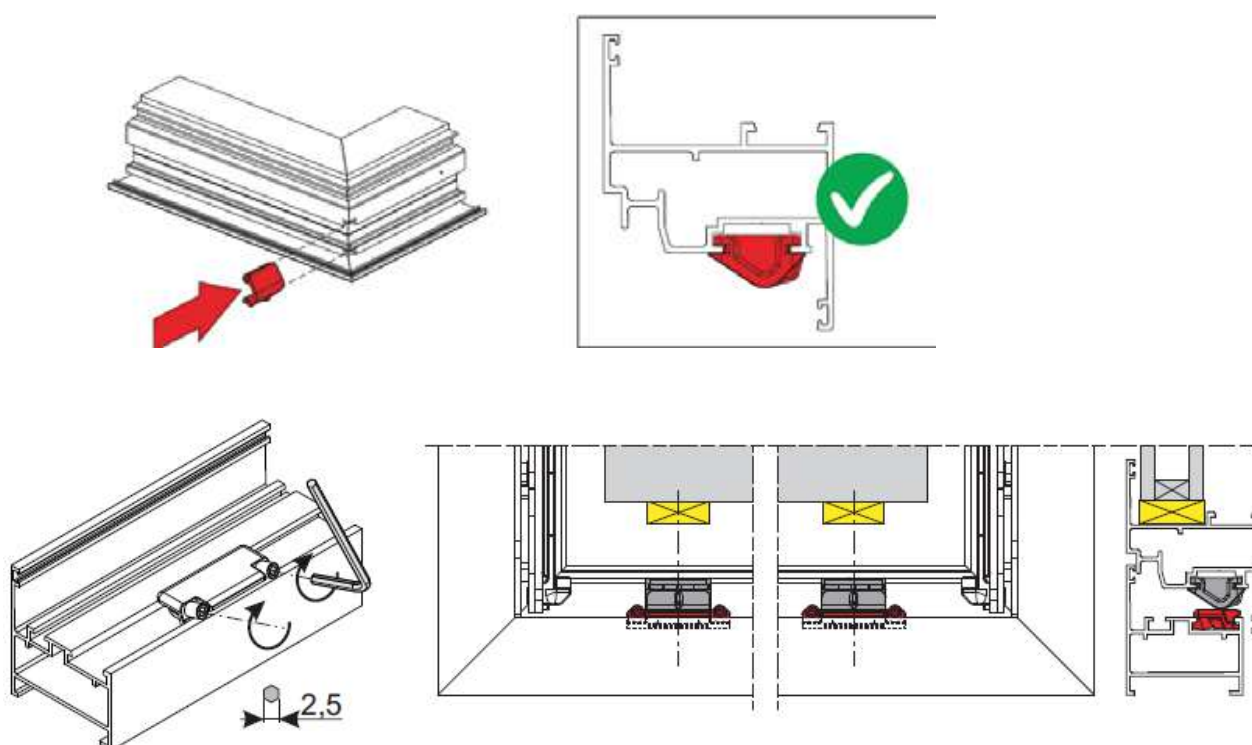
## Info prodotto 2107

09.02.2021

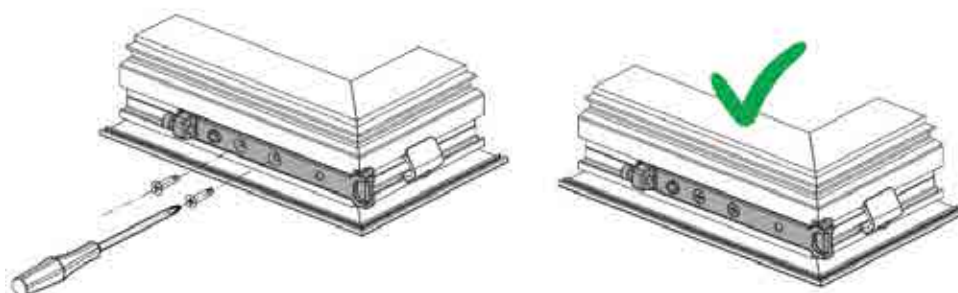
# KIT CERNIERE VASISTAS SECRET

## SEQUENZA DI INSTALLAZIONE

### 1 Sostegno anta



### 2 Componente ANTA

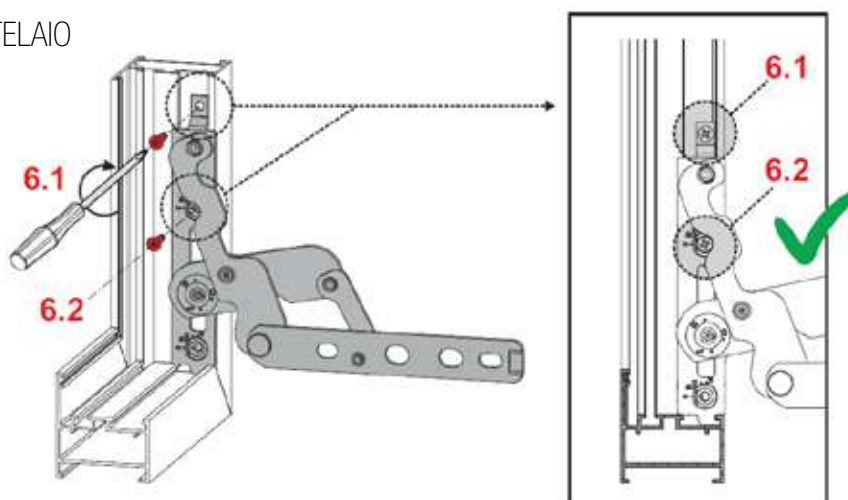




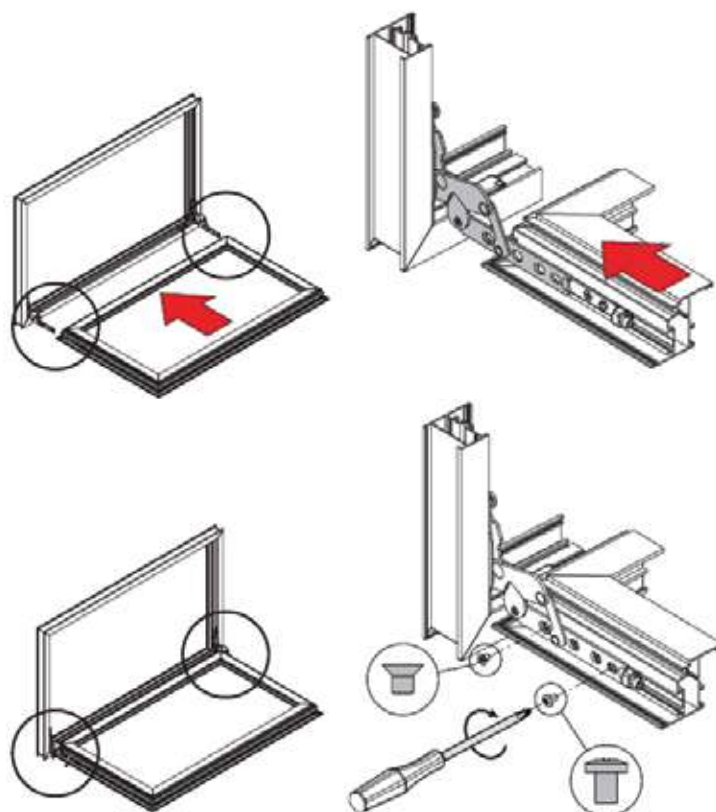
**Info prodotto 2107**  
09.02.2021

## KIT CERNIERE VASISTAS SECRET SEQUENZA DI INSTALLAZIONE

### 3 Componente TELAIO



### 4 Unione anta a telaio





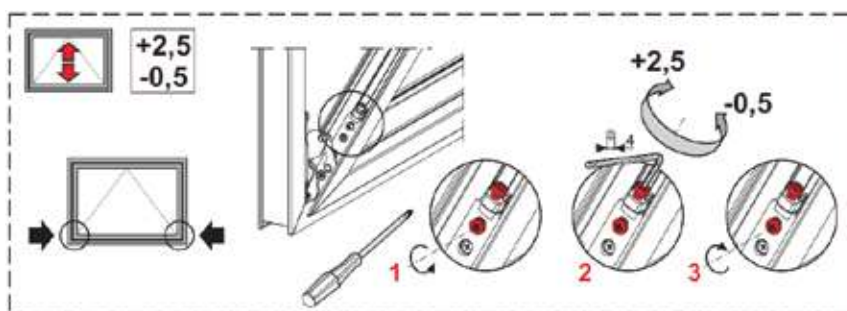
## Info prodotto 2107

09.02.2021

# KIT CERNIERE VASISTAS SECRET REGOLAZIONI

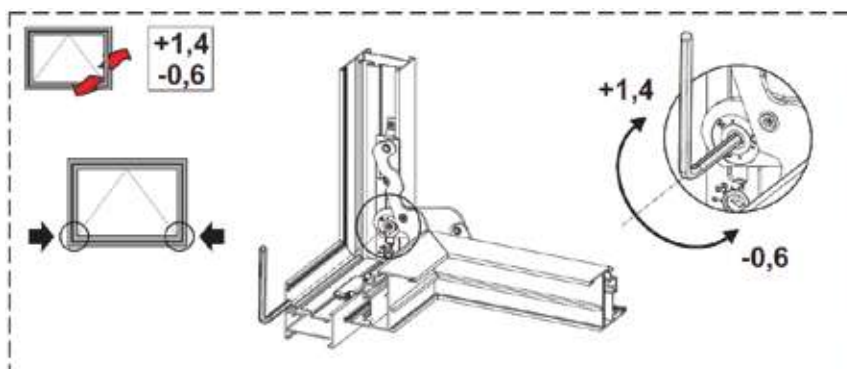
Regolazione in **altezza**:

+ 2,5 ÷ - 0,5 mm



Regolazione in **compressione**:

+ 1,4 ÷ - 0,6 mm





## Info prodotto 2201

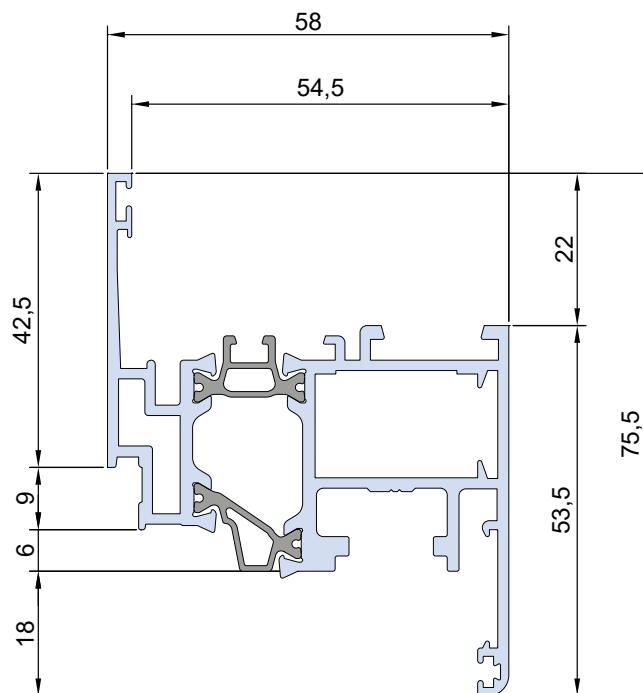
1.06.2022

alsistem.com

## Anta liscia Planet Plus/UP versione MATIC

Informiamo che è disponibile il profilo **anta liscia** per i sistemi **Planet Plus/UP versione MATIC**.

Di seguito trovate le sagome dei vari profili con i relativi codici e dei nodi realizzati a scopo dimostrativo sulla serie PLANET 62 UP.



**TT 51911**

1568 gr/m

EasyDoor
Ecoslim 50 TT
Ecoslim 62 TT
Ecoslim 62 UP
Ecoslim 72 TT
Ecoslim 72 UP
Elite Door 72
Door 62
Door 72
Sirio 50
Smart 30
Planet 45
Planet 50 PLUS
Planet 62 PLUS
Planet 62 UP
Planet 72 PLUS
Planet 72 UP
● Matic 50 PLUS
● Matic 62 PLUS
● Matic 62 UP
● Matic 72 PLUS
● Matic 72 UP
3G
3G UP
Matic 3G
Matic 3G UP
Nathura 59
Nathura 70
Nathura 82
Nathura 92
Slide 60
Slide 65
Slide 80/106 PLUS
Topslide 160 PLUS
Slidewood 160
Topslidewood 214
Panoramico

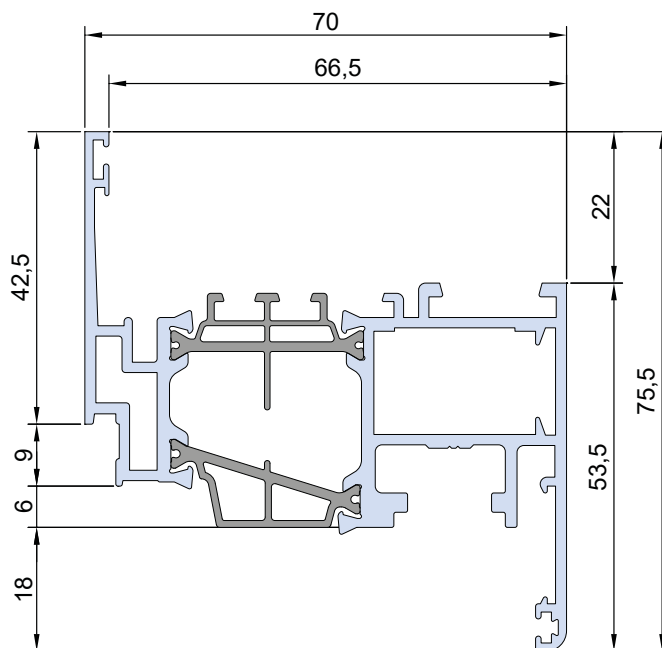


## Info prodotto 2201

1.06.2022

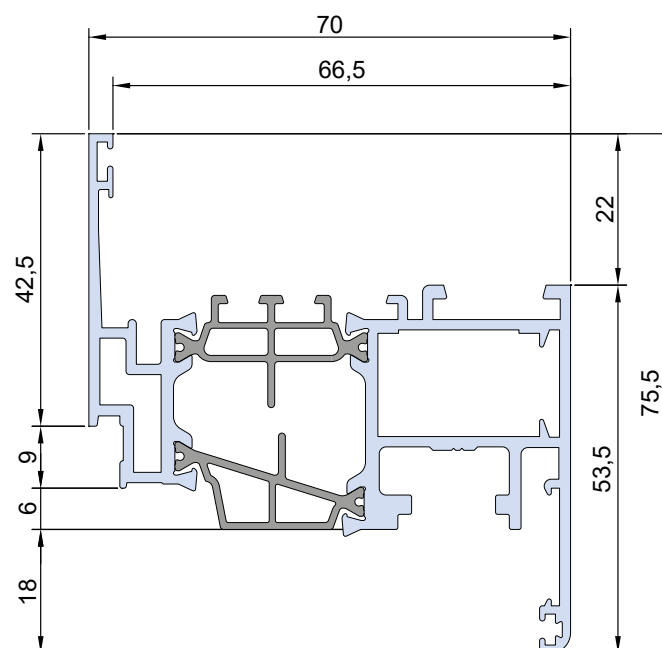
**TT 61911**

1659 gr/m



**UP 61911**

1617 gr/m



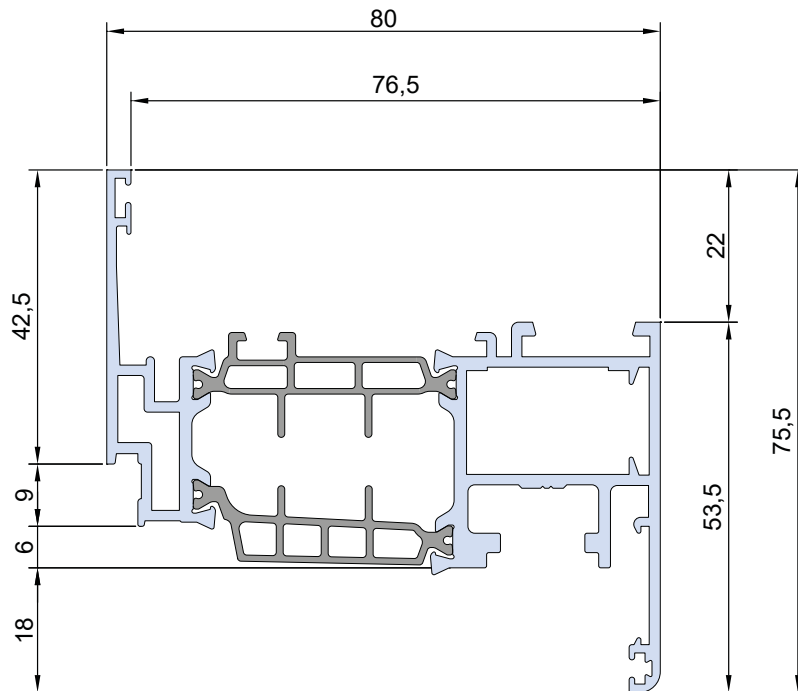


## Info prodotto 2201

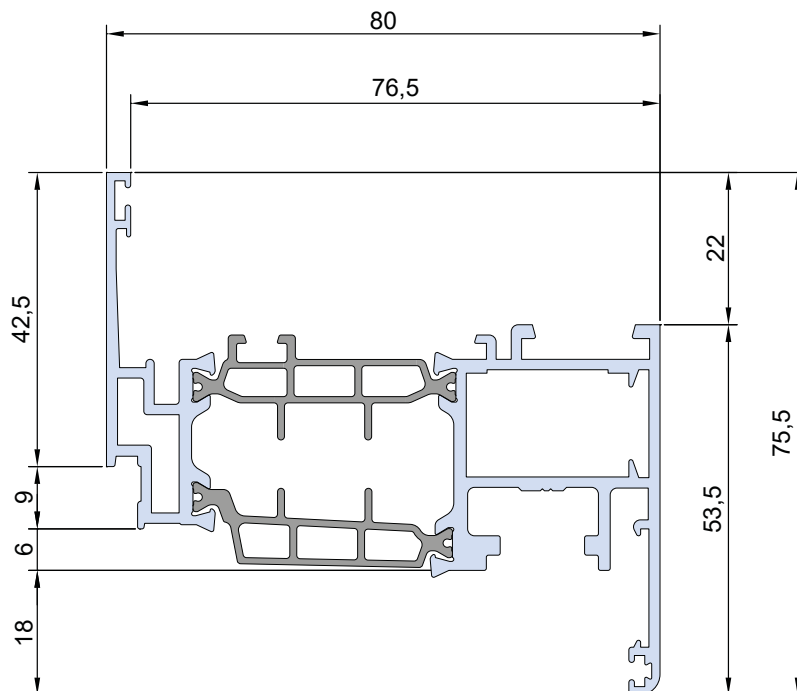
1.06.2022

alsistem.com

**TT 71911**  
1727 gr/m



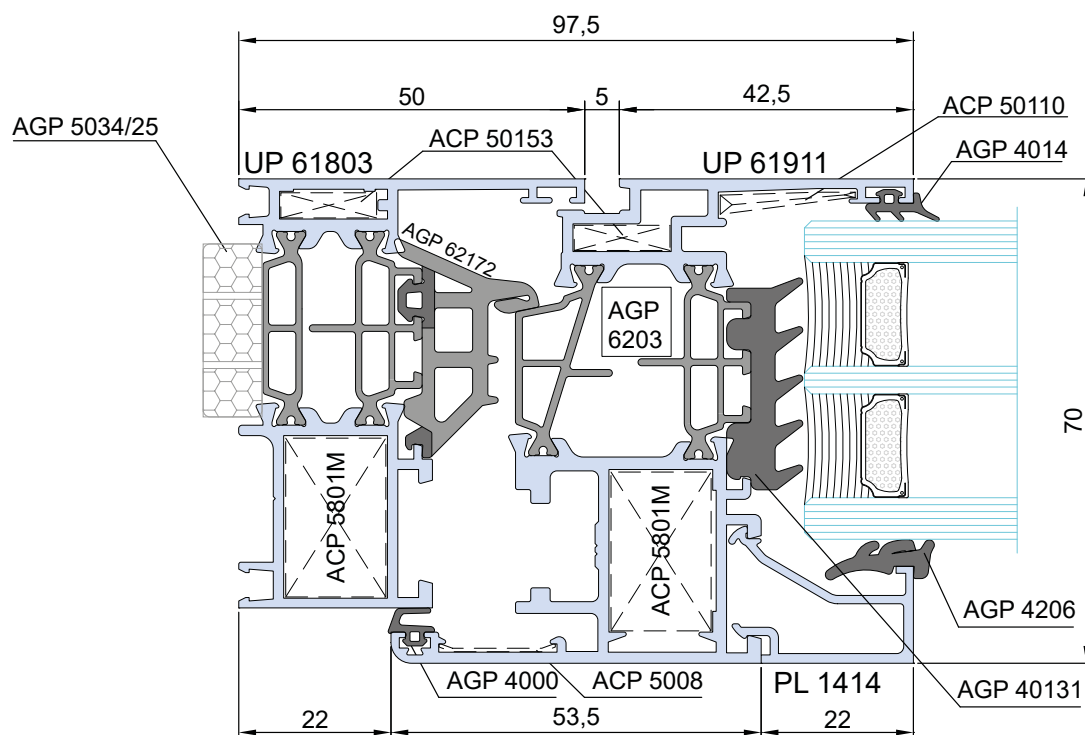
**UP 71911**  
1650 gr/m





## Info prodotto 2201

1.06.2022



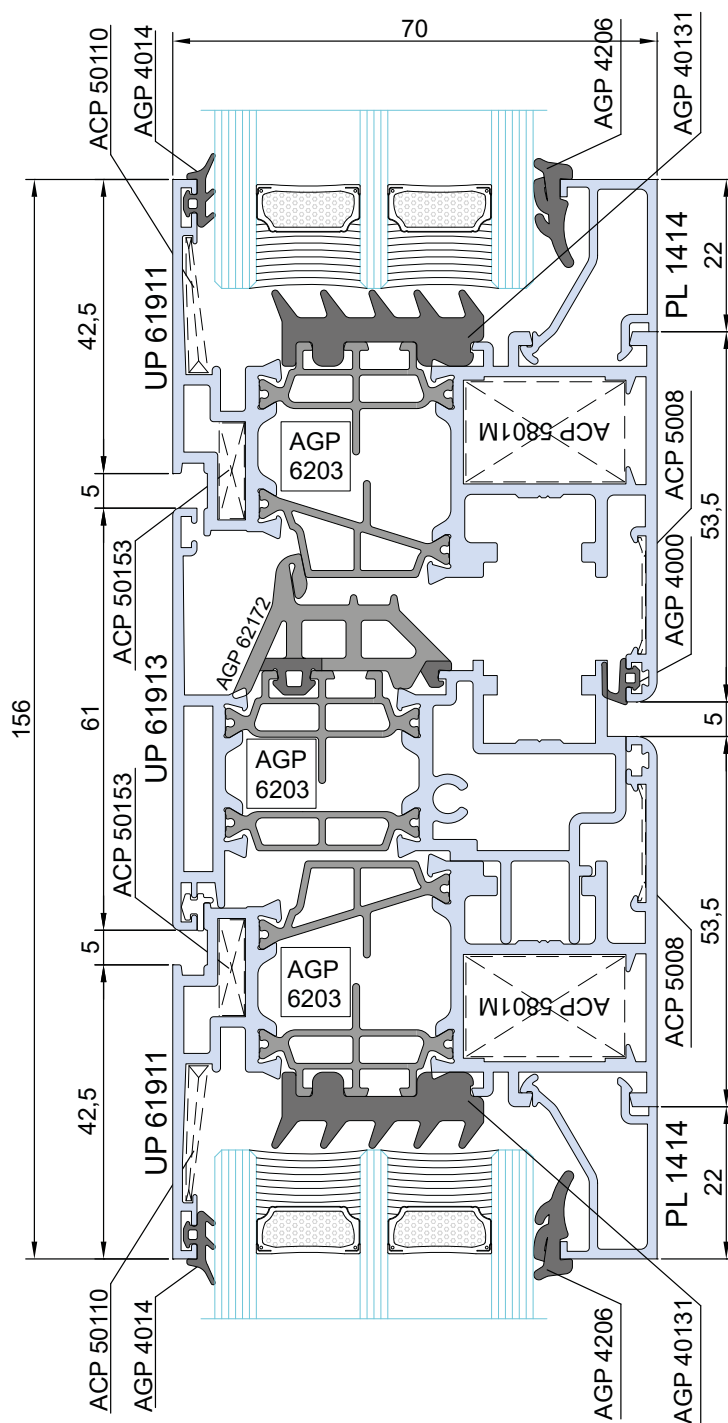




## Info prodotto 2201

1.06.2022

alsistem.com



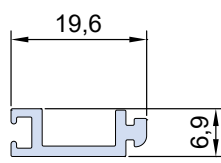


## Info prodotto 2204

01.06.2022

# PL 15007 Riduttore Spalla Telaio

Informiamo che è disponibile il profilo **PL 15007** riduttore spalla telaio per i sistemi **3G, Ecoslim e Planet**. Di seguito trovate la sagoma del profilo con relativo codice e nodo realizzato a scopo dimostrativo sulla serie Planet 62 UP.



PL 15007

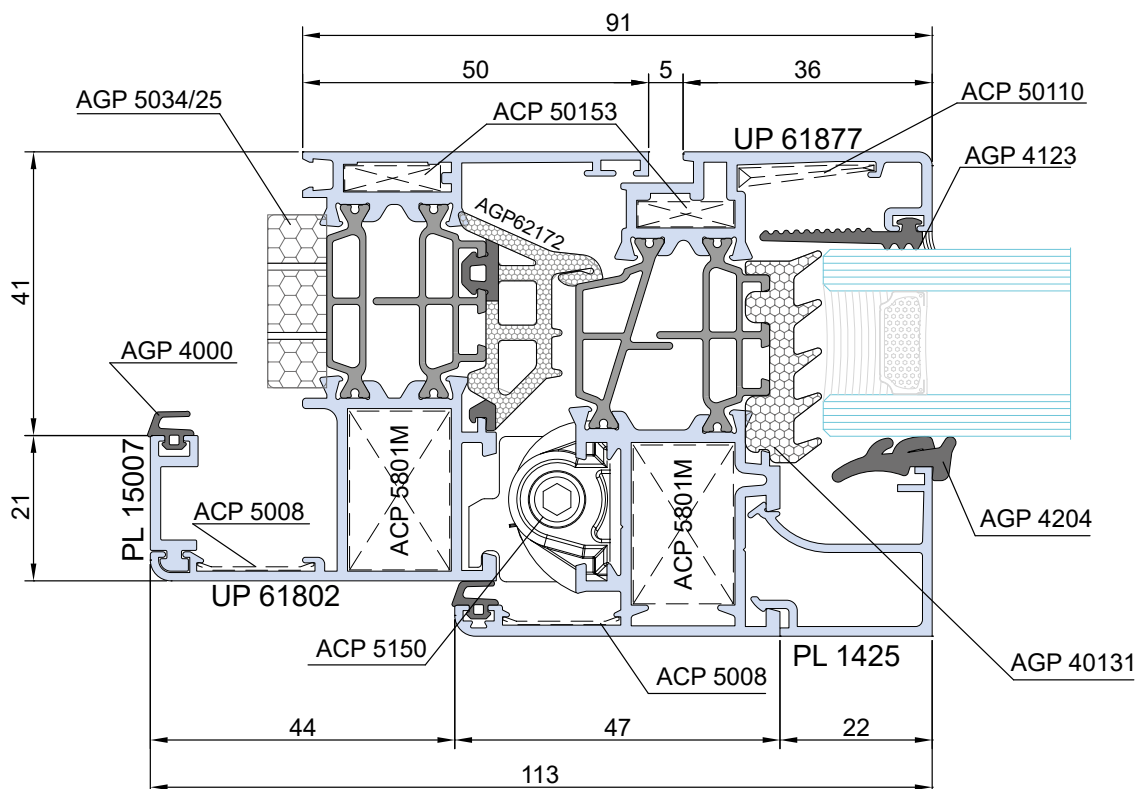
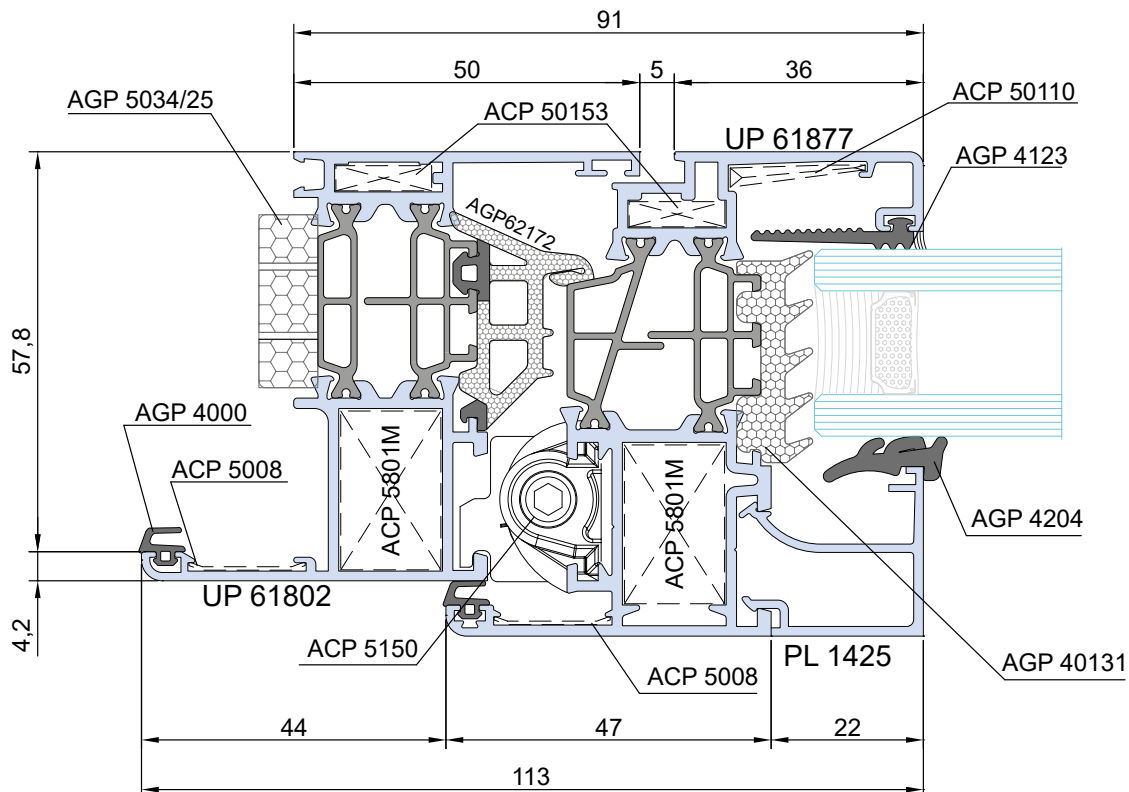
147 gr/m

EasyDoor	
Ecoslim 50 TT	●
Ecoslim 62 TT	●
Ecoslim 62 UP	●
Ecoslim 72 TT	●
Ecoslim 72 UP	●
Elite Door 72	
Door 62	
Door 72	
Sirio 50	
Smart 30	
Planet 45	●
Planet 50 PLUS	●
Planet 62 PLUS	●
Planet 62 UP	●
Planet 72 PLUS	●
Planet 72 UP	●
Matic 50 PLUS	●
Matic 62 PLUS	●
Matic 62 UP	●
Matic 72 PLUS	●
Matic 72 UP	●
3G	●
3G UP	●
Matic 3G	
Matic 3G UP	
Nathura 59	
Nathura 70	
Nathura 82	
Nathura 92	
Slide 60	
Slide 65	
Slide 80/106 PLUS	
Topslide 160 PLUS	
Slidewood 160	
Topslidewood 214	
Panoramico	



## Info prodotto 2204

01.06.2022





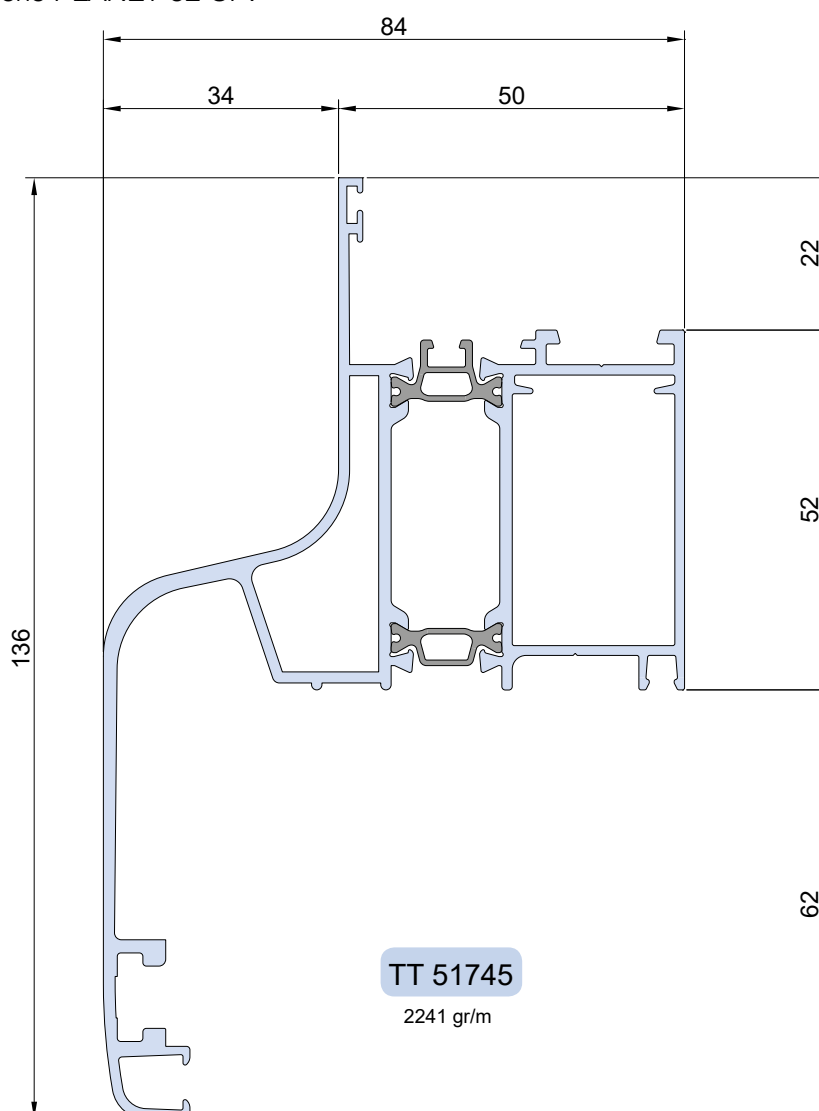
## Info prodotto 2207

01.06.2022

# Telaio capannoni Planet Plus/UP

È disponibile il nuovo profilo **telaio per capannoni** per le serie **Planet Plus/UP**.

Di seguito trovate le sagome dei vari profili con i relativi codici e il nodo realizzato a scopo dimostrativo sulla serie PLANET 62 UP.

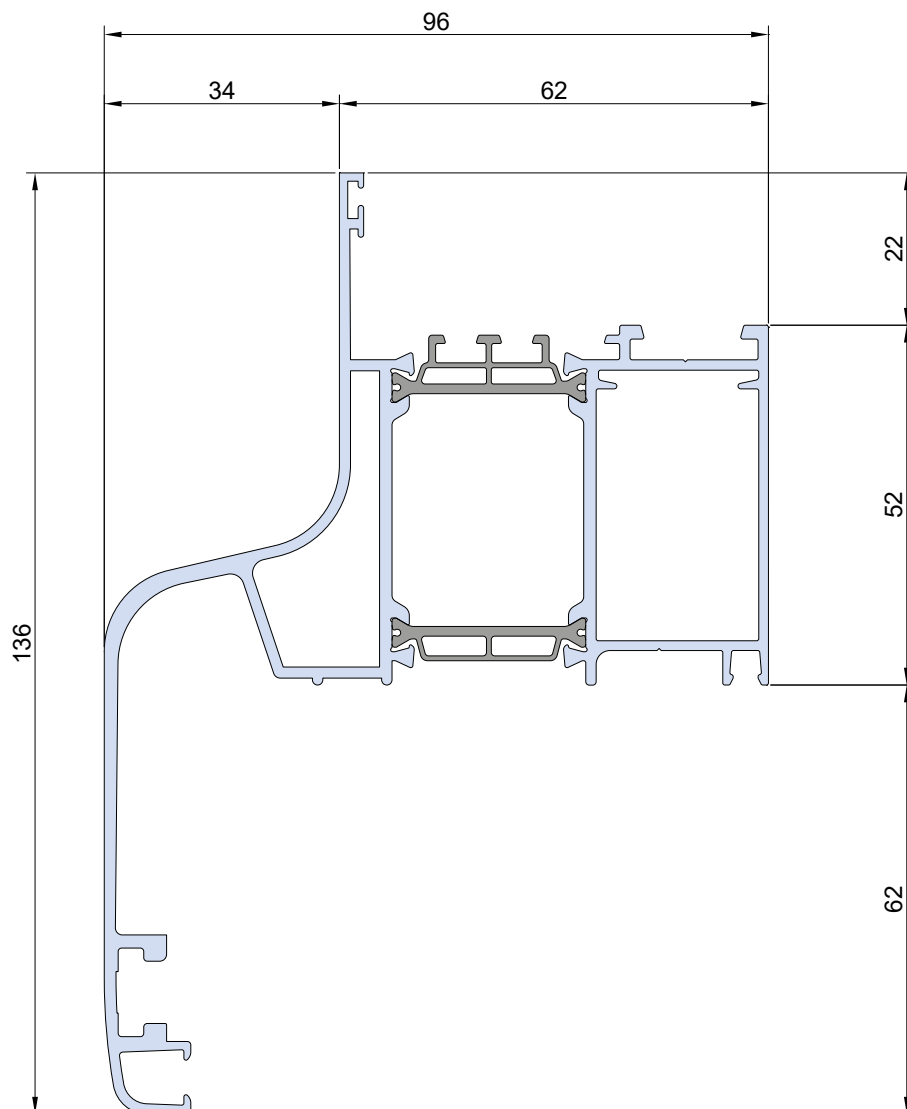


EasyDoor
Ecoslim 50 TT
Ecoslim 62 TT
Ecoslim 62 UP
Ecoslim 72 TT
Ecoslim 72 UP
Elite Door 72
Door 62
Door 72
Sirio 50
Smart 30
Planet 45
Planet 50 PLUS
Planet 62 PLUS
Planet 62 UP
Planet 72 PLUS
Planet 72 UP
Matic 50 PLUS
Matic 62 PLUS
Matic 62 UP
Matic 72 PLUS
Matic 72 UP
3G
3G UP
Matic 3G
Matic 3G UP
Nathura 59
Nathura 70
Nathura 82
Nathura 92
Slide 60
Slide 65
Slide 80/106 PLUS
Topslide 160 PLUS
Slidewood 160
Topslidewood 214
Panoramico



## Info prodotto 2207

01.06.2022



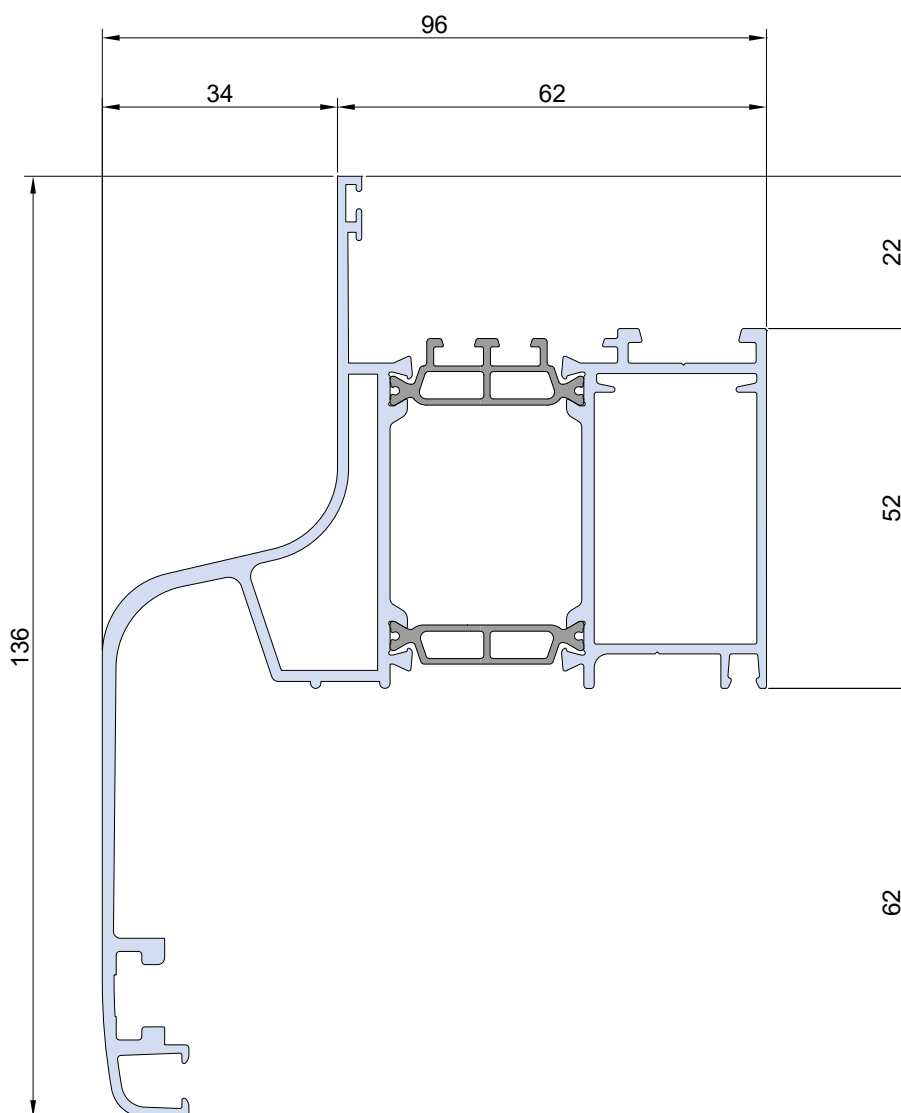
**TT 61745**

2315 gr/m



## Info prodotto 2207

01.06.2022



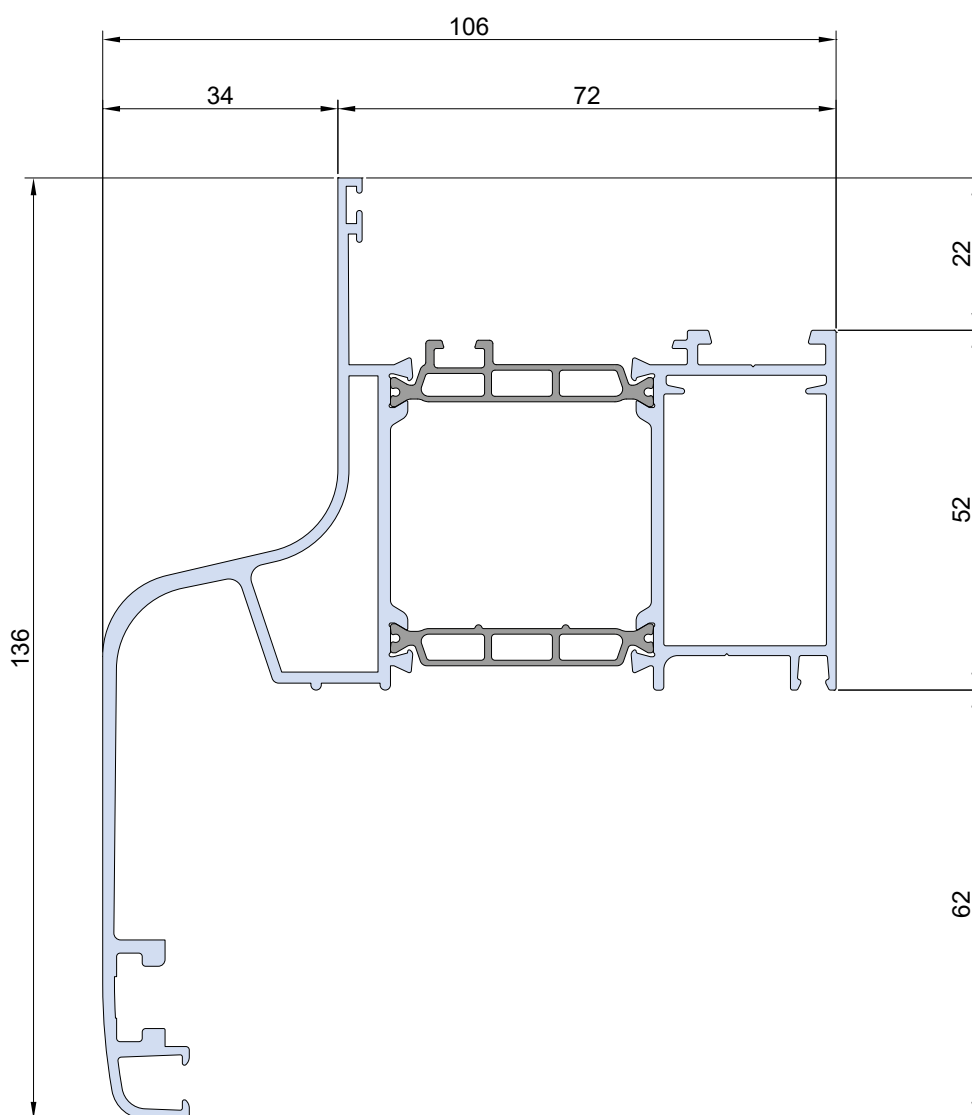
**UP 61745**

2276 gr/m



## Info prodotto 2207

01.06.2022



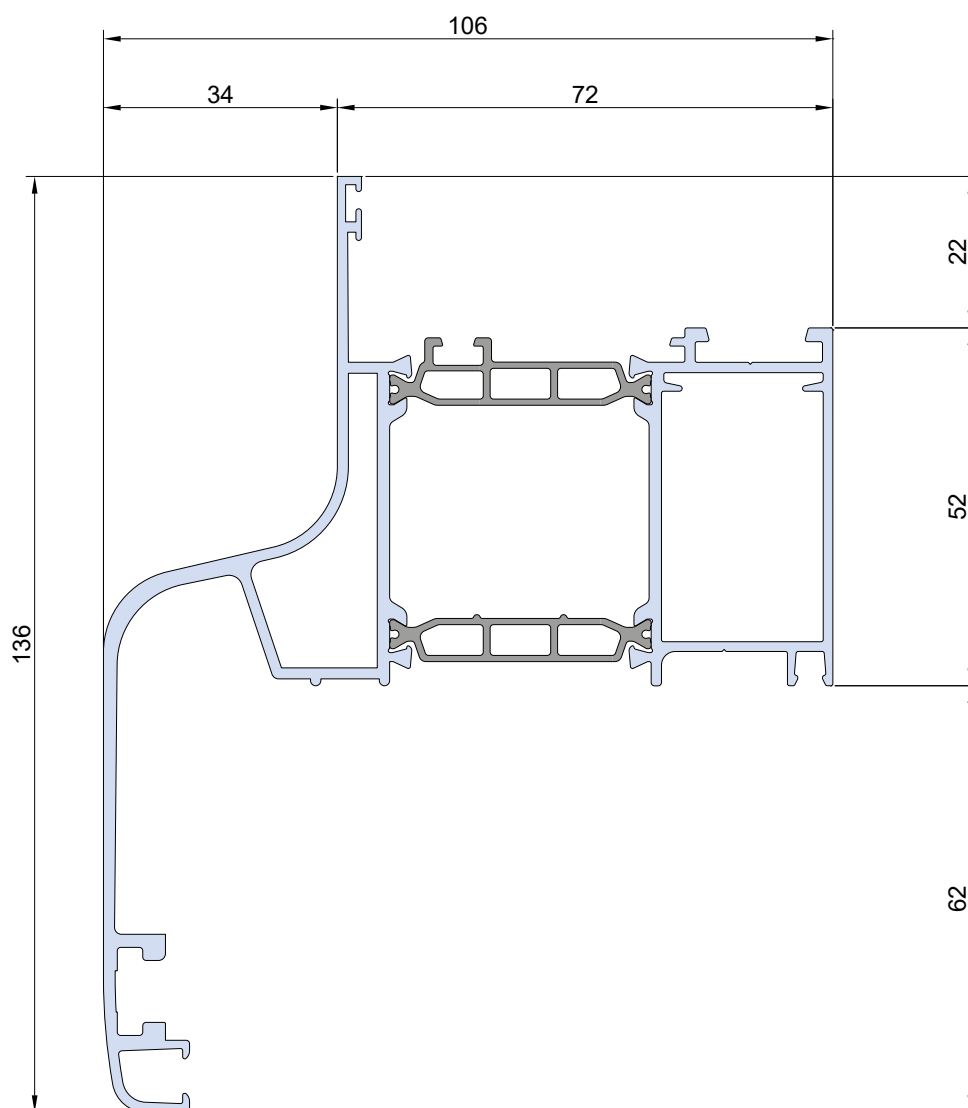
TT 71745

2356 gr/m



## Info prodotto 2207

01.06.2022



UP 71745

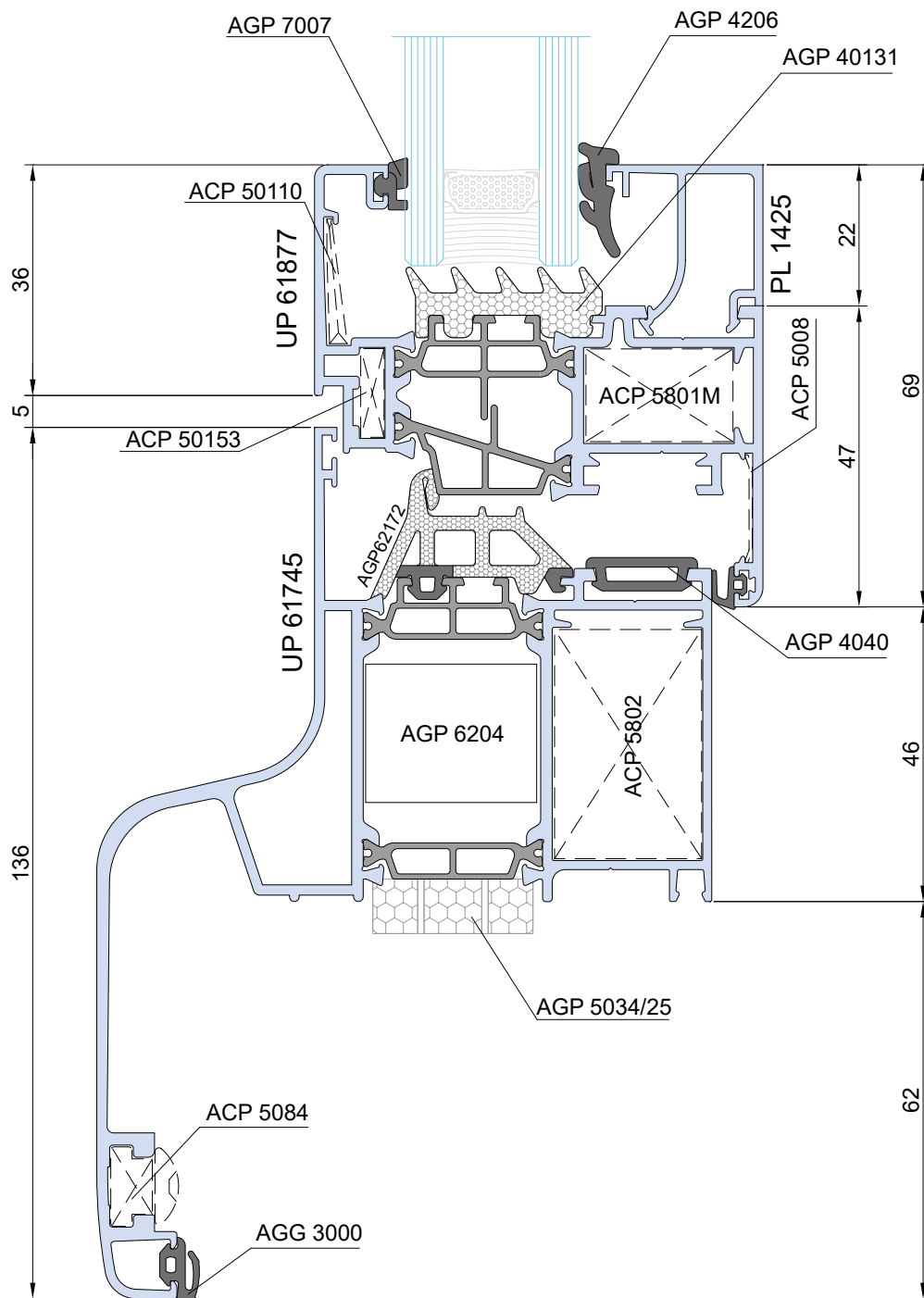
2296 gr/m





## Info prodotto 2207

01.06.2022





## Sistemi a battente alluminio-legno



### NATHURA 59

Sistema alluminio/legno per serramenti non isolati ad elevata ermeticità

*Aluminum/wood system for weatherproof, non-insulated window and door frames*



### NATHURA 70 - 82 - 92

Sistemi alluminio/legno a taglio termico con ferramenta perimetrale ed elevatissime prestazioni di isolamento termico

*Aluminum/wood thermal break systems with perimeter hardware and extra high-performance thermal insulation*

## Sistemi scorrevoli e alzanti alluminio-legno



### SLIDE WOOD 160

Sistema scorrevole alzante a taglio termico alluminio-legno con valori eccellenti di trasmittanza termica, tenuta all'acqua, di portata e sicurezza all'effrazione

*Sliding thermal break system, aluminum-wood, with excellent ratings of thermal transmittance, water sealing, load-bearing and anti-intrusion*



### TOP SLIDE WOOD Z14 PLUS Z14 UP

Sistema a taglio termico alluminio-legno per serramenti alzanti di elevate dimensioni e peso

*Thermal break system, aluminum-wood, for large-size and heavyweight lift-and-slide window and door frames*

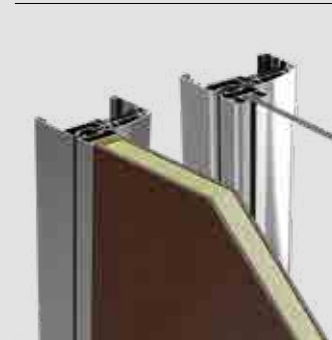
## Sistemi per porte



### PLANET DOOR 62 DOOR 72

Sistema per la costruzione di porte interne di alto design ad ante o porte scorrevoli di ogni tipologia, finitura estetica e colore

*Top-of-the-range internal doors, sash or sliding, all types, finish and color*



### EASY DOOR

Sistema per la costruzione di porte interne di alto design ad ante o porte scorrevoli di ogni tipologia, finitura estetica e colore

*Top-of-the-range internal doors, sash or sliding, all types, finish and color*



### PLANET 53

Sistema termicamente non isolato per porte complanari

*Flush door system*



### PLANET 45 persiana Venere PRO

Persiane in alluminio con sistema orientabile Venere Pro

*European chamber aluminum shutters with double rebated sealing and unique Venere Pro pivot system*

## Sistemi per facciate



### SIRIO 50

Sistema per facciate continue continue montanti e traversi

*Stick-built curtain wall systems*



### SIRIO 50 SG

Sistema per facciate continue continue montanti e traversi con vetro strutturale

*Structural curtain wall with transom/mullion*



### SIRIO 50 I

Sistema per facciate continue a nastro

*Ribbon windows system*

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