



Sistema per serramenti  
a battente

**PLANET 45**

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

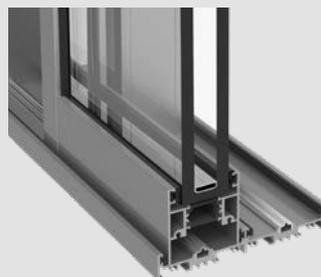
## Sistemi a design minimale



**3G**  
SYSTEM REVOLUTION

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

*Minimal design system for thermal break frames with triple rebate sealing system. Architectural show lateral section 75mm*



**panoramico**

Sistema scorrevole dal design minimale, con nodo centrale di 30mm

*Minimal design sliding system. Architectural show central section 30mm*

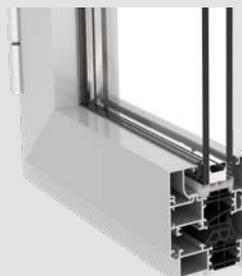
## Sistemi a battente



**PLANET 45**

Sistema per serramenti non isolati ad elevata ermeticità

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

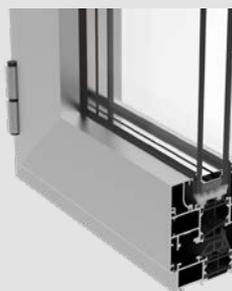


**PLANET 50** g0.0005  
**62** g0.0005  
**72** g0.0005  
**neo** g0.0005

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*

## Sistemi oscuranti



**MATIC 50** g0.0005  
**62** g0.0005  
**72** g0.0005

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*



**PLANET 45**  
persiana  
**venere pro**

Persiane in alluminio a con sistema di tenuta a doppio battente ed esclusivo sistema orientabile Venere Pro

*European chamber aluminum shutters with double rebated sealing and unique Venere Pro pivot system*

## 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 214**

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*



## INDICE GENERALE INDEX

|   |     |
|---|-----|
| Descrizione tecnica capitolato<br><i>Specifications</i>   | 04  |
| Curve limite di utilizzo<br><i>Limit curves</i>   | 18  |
| Tipologie costruttive<br><i>Construction types</i>  | 20  |
| Elenco profili<br><i>List of profiles</i>   | 23  |
| Sagomario<br><i>Profile representation</i>  | 42  |
| Vetrazione<br><i>Glazing</i>  | 78  |
| Indice alfanumerico accessori / guarnizioni<br><i>Alphanumeric index</i>  | 82  |
| Accessori - guarnizioni, generici, giunzioni, chiusure<br><i>Accessories - Gaskets, general items, joints, closures</i> | 92  |
| Distinte taglio<br><i>Cutting lists</i>   | 112 |
| Nodi e sezioni<br><i>Sections</i>   | 119 |
| Attrezzature<br><i>Equipment</i>  | 165 |
| Lavorazioni / Montaggi<br><i>Working / Assembly</i>   | 169 |
| Aggiornamenti<br><i>Updates</i>   | 231 |

## Traccia per capitolato

Infissi in alluminio a camera europea realizzati con la serie Planet 45 con sistema di tenuta a giunto aperto con pinna centrale di forma tubolare. 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. Il telaio fisso avrà profondità 45mm mentre le parti apribili avranno una profondità di 53mm. 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".

## 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 formula 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 formula ALSistem

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

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: 45mm

Profondità anta: 53mm

Tubolarità profili finestra: 15mm

Tubolarità profili porta: 36,4mm

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

Spazio vetro o pannello nei telai fissi: fino a 38mm

Spazio vetro o pannello nelle ante: da 7,5mm a 45,5mm

## Protezione superficiale

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

## 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 nel 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 45 risponde ai requisiti della norma UNI EN 12207, UNI EN 12208, UNI EN 12210.

## 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.

## 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 10077-1:07. 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 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)

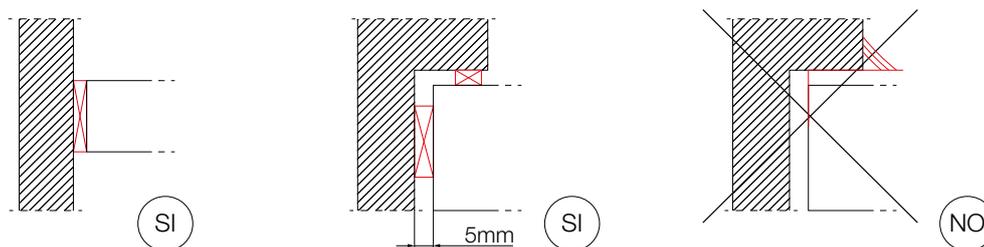
Il controllo di produzione in fabbrica è un sistema esercitato dal costruttore sotto propria responsabilità, al fine di assicurare che le caratteristiche costruttive del prodotto siano mantenute nel tempo entro certi limiti. Il costruttore dovrà stabilire delle procedure documentate, che indichino le 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. Non sono invece analizzate le caratteristiche dell'installazione, ma suggeriamo caldamente di fare riferimento alle indicazioni riportate sui nostri manuali di posa "Thermoposa".

## 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 richiama può ottenere i risultati delle prove (ITT) sui serramenti direttamente dall'ALsystem oppure dal licenziatario di zona, la 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

E' 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 1-2 mm 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 ALsystem 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).

## 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.

E' 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, ...) 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 Uncaal, UX 42 guida alla posa in opera delle finestre ed UX 10 pulizia delle superfici di serramenti e facciate continue.

## 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
  - cromatazione
  - 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 (Norme 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, ...).

## Consigli per un corretto assemblaggio

Per ottenere i migliori risultati utilizzando i profili Planet 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°   | evita infiltrazioni d'acqua evita la corrosione e l'ossidazione   |
| sigillare i profili sul montante quando gli stessi vengono intestati  | evita infiltrazioni d'acqua evita la corrosione e l'ossidazione   |
| 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  |
| utilizzare l'angolo vulcanizzato della guarnizione di battuta interna   | aumenta la permeabilità all'aria e migliora la finitura dell'infisso  |
| 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 sigillante BG1 seguendo le indicazioni contenute nel programma Thermoposa® | evita infiltrazioni d'acqua e garantisce il giunto primario per 10 anni   |
| utilizzare sempre il tassello di registro   | facilita la posa in opera, inquadra meglio il telaio, isola i materiali e limita la trasmissione delle vibrazioni |
| proteggere tutte le lavorazioni effettuate sui profilati  | evita la corrosione e l'ossidazione 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  |

## Certificazione 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 Planet 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.

## Certificazioni serie Planet 45

Il sistema Planet 45 è stato sottoposto alle prove indicate in tabella per le diverse tipologie di serramenti.

| PROVE                              | TIPOLOGIE SERRAMENTI    |                         |
|------------------------------------|-------------------------|-------------------------|
|                                    | Finestra 2 ante ribalta | Finestra 2 ante ribalta |
| Misure del serramento              | H=1.239mm<br>L=1.439mm  | H=2.400mm<br>L=1.500mm  |
| Numero certificato                 | 0443/2006               | 1994-CPD-RP0612         |
| Valore prova permeabilità all'aria | classe 4                | classe 4                |
| Valore prova tenuta all'acqua      | classe E1200            | classe E1050            |
| Valore prova resistenza al vento   | classe C5               | classe C4               |

## General specifications

Aluminum frames created with thermal break Planet 45 doors and windows with central. The profiles are extruded in aluminium alloy EN AW 6060 (EN 573-3), supply condition T5 and T6 in accordance with standard UNI EN 515 with dimensional tolerances and thicknesses compliant with standard UNI EN 12020-2. Alloy according to ALSistem formula. The thermal insulation will consist of 16mm polyamide 6.6 hi-tech solution strips reinforced 25% with fibreglass with a moisture absorption value lower than 2% at a temperature of 23°C and a level of humidity at 50%; the strips are assembled by means of computerised mechanical rolling, and the mechanical characteristics of the strips must remain unaltered up to a maximum treatment temperature of 245°C. The production process is controlled in accordance with UAETC standards, the sliding values must be greater than 24 daN/mm. The fixed frame shall be 50mm deep, whilst the openable parts shall be 58mm deep. The sealing system shall be of the open joint type with a central EPDM gasket with a seal fin on the sloping surface of the profile on the moving part of the window; the central gasket must be connected at the corners with the appropriate vulcanised corners. The profiles have been designed with straight of rounded lines internally and externally with the possibility of accommodating glazing bead solutions cut at 45° or 90°; where cut at 90° with rounded glazing beads, the appropriate connecting corners in die-cast aluminium can be used. The glazing must be sealed in accordance with the instructions shown in the catalogue and exclusively with original glazing bead gaskets. Appropriate drainage holes must be made on the fixed frame and on the moving frame in order to allow the correct drainage for the window/door. The limits of use of the profiles depend on their geometric characteristics, on the scope of the accessories and on the operating loads. The accessories used in the manufacture of the various types must be exclusively the originals designed especially for the system, as shown in the catalogue and distributed by the ALSistem licensees; the use of products other than those indicated or their partial or incorrect assembly shall render the test certificates and guarantee null and void. The manufacture and installation must be in accordance with the operating criteria indicated by ALSistem. The profiles shall be assembled with brackets in extruded or die-cast aluminium to be buttoned, pinned, crimped or screwed, the edges must be protected with acrylic, silicone or neutral sealants. The profiles must be protected and finished by means of normal surface treatments, anodic oxidation compliant with the "Qualanod" quality label or by painting with thermosetting polyester in powder form and oven-polymerised at temperatures between 185°C and 195°C, in accordance with the "Qualicoat" quality label.

## Materials

The doors and windows are made from aluminium alloy EN AW-6060 extruded profiles as indicated in standard UNI EN 573-3. The supply condition is within class T5 and T6 in accordance with standard UNI EN 515. Dimensional tolerances comply with UNI EN 12020-2. Alloy according to ALSistem formula.

## Technical and dimensional characteristics

External visual appearance: flush

Internal visual appearance: flush or overlapping 8mm

Profiles: light alloy EN AW-6060 (UNI EN 573-3) extrusions; they can be anodised and painted. Alloy according to ALSistem formula

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

Accessory system: top quality European chamber

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: 45mm

Leaf depth: 53mm

Tubularity of window profiles: 15mm

Tubularity of door profiles: 36,4mm

Glass fastening: with smooth or radial glazing beads

Space for glass or panel in fixed frames: until 38mm

Space for glass or panel in leaves: from 7,5mm to 45,5mm

## Surface protection

The profiles can be protected by means of anodic oxidation with thickness category >15 micron as per standard UNI 10681, or by painting with thermosetting polyester in powder form and oven polymerised in accordance with the "Qualicoat" quality procedures and with standard UNI EN 12206-1.

## Resistance of the finish

The surface finish must not suffer any corrosion or alterations in appearance for a period of time appropriate to the life of the product.

The characteristics required to ensure the behaviour in accordance with the type of environment are specified in standards UNI 10681 for oxidation and UNI EN 12206-1 for painting, bearing in mind that the key factors influencing weather resistance are proximity to the sea, atmospheric pollution, maintenance and cleaning also from rain.

## Safety

In order to prevent physical harm or injury to users, the doors and windows must be designed in accordance with the relevant safety legislation, LD 81/2008 and UNI 7697. See "Uso e Manutenzione" by Thermoposa ALSistem.

## Characteristics of the glazing

The glazing must be selected in accordance with performance criteria to meet the requirements of energy saving, sound insulation, solar radiation control, safety. Relevant 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, Legge 90/2013 e DMSE 26/06/2015.

## Gaskets

The gaskets must only be the originals designed for the system, guaranteeing its performance and complying with reference standards UNI 3952, UNI EN 12365-1/4.

## Sealants

The sealants must comply with the provisions of reference standards UNI EN ISO 11600. These materials must not corrode the parts made of aluminium and its alloys with which they come into contact and must therefore be non-acetic or MS polymer based.

## Accessories

The accessories must be the original ones produced for the range and in accordance with the criteria indicated in UNI EN 13126-1/19 standards and with the safety legislation, LD 81/2008. Available ITT test report.

## Performance

The Planet 45 range meets the requirements of standards UNI EN 12207, UNI EN 12208, UNI EN 12210.

## Mechanical resistance

The system and its accessories shall be resistant to the stress of use in accordance with the limits established in standard UNI EN 12365-1 e UNI EN 13126-1/19.

## Sound insulation

The choice of the type of sound insulation for a door or window depends on the intended purpose of the location in which the frame is to be fitted and on the level of external noise; the behaviour of the door or window on site is influenced by factors that cannot be determined beforehand (height from the floor, orientation of noise sources, etc.). The sound insulation capacity can therefore be estimated to a large degree, based on window/door air permeability, with a minimum permeability value of 2, and on the sound insulation capacity of the glass.

In accordance with the methodology described in reference standard UNI EN ISO 10140-2.

## Thermal insulation

The choice of the heat insulation properties must be made on the basis of the energy saving requirements in accordance with law 10/91 and LD 192/05 and update LD 311/06 and of the environmental wellbeing requirements or with reference to standard UNI EN ISO 10077-1. The window/door thermal transmittance can be calculated from the transmittance values of the profiles and of the surfaces in accordance with standard UNI EN ISO 10077-1 using 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 is possible to ask the manufacturer of the windows/doors, or alternatively the local licensee, for a photocopy of the test reports relating to specific properties.

## CE Marking UNI EN 14351-1

CE marking is OBLIGATORY and is the system to which all manufacturers of doors and windows must comply in order to be able to sell their products in the European Union. The Manufacturer, or its representative, with its headquarters in the EEA [European Economic Area] is responsible for affixing the CE marking to its product, on a label applied to the product, on its packaging or on its accompanying commercial documents. Standard UNI EN 14351-1 applies to windows, glass doors, external pedestrian doors, external doors on escape routes, roof windows/skylights (including those resistant to external fire), ribbon windows, coupled windows and double windows. These doors/windows can have one or more leaves, with moving leaves and fixed parts, opening inwards or outwards, operated manually or automatically, completely or partially glazed, with or without a frame to contain the glass, with or without built-in shielding devices.

Standard UNI EN 14351-1 does not apply to:

- windows, glass doors and pedestrian doors with fire-resistant and smoke-proof characteristics
- internal doors (EN 14351-2)
- external obscuring shutters (UNI EN 13659)
- revolving doors
- windows situated on escape routes

The standard relates to certain voluntary and/or obligatory requirements:

- Watertightness
- Release of hazardous substances
- Impact resistance
- Wind resistance
- Load-bearing capacity of safety devices
- Sound insulation
- Thermal insulation
- Glass radiance (light transmission)
- Air permeability

## Factory Production Control (FPC)

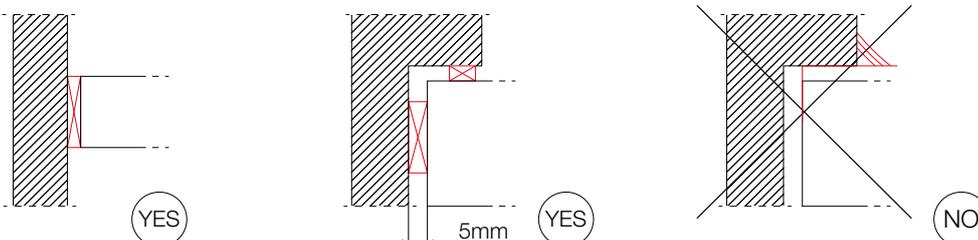
Factory production control is a system implemented by the manufacturer under its own responsibility, in order to ensure that the structural characteristics of the product are maintained over time within certain limits. The manufacturer must establish certain documented procedures, which indicate the methods that the personnel responsible for various controls must implement in order to monitor the process assigned to them frequently and accurately. The manufacturer is obliged to guarantee the traceability of the product by using codes or other methods. By means of a diagram, the manufacturer is also obliged to inform the purchaser of instructions relating to the use, handling, installation, maintenance and cleaning of the product. The installation characteristics, however, are not analysed. Refer to our Thermoposa manuals.

## Laboratory Test (ITT)

The characteristics of the door/window are assessed on the finished product complete with its metal fittings, double glazing, panels and all the accessories and treatments that render it ready for use. Any manufacturer who requests it can obtain the results of the tests (ITT) on the doors/windows directly from Al sistem or from the local licensee, which grants the right to use the results of the certificates of the ITTs received from the Laboratory, by means of a cascading agreement between the parties. The manufacturer is responsible for the product's compliance with the European standards indicated in the draft standard and found in the national standards (UNI standards).

## Installation

In order for the window to operate properly, it is very important to pay extremely close attention to the vertical positioning and levelling of the frame, and then to seal it using Thermoposa self-expanding tapes, following the advice in the example shown below, also checking that the openings are sufficiently filled (shimming the glass 1-2 mm out of square), so that, with the adjustment of the materials, there is no deterioration of operation over time.



Our company, that in the field of exterior doors has always been ahead in research and development in the high-efficiency thermo-acoustic solutions, adopts Thermoposa system to guarantee a correct redevelopment of the window hole.

The **Thermoposa** System includes 3 main interventions:

- proper installation of the window
- insulation of the box
- cutting Marble, whether through.

## Maintenance of the aluminium surfaces

In view of the high amounts of pollution now reached in all countries, particularly in large cities and in coastal areas beaten by the sea wind, it is very important for aluminium surfaces that are in contact with the atmosphere to be cleaned regularly. Our intention is to raise the awareness of the manufacturers of doors and windows so that they can in turn advise THE CLIENT as well as possible.

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

- 1- how often the cleaning operation must be carried out over the course of the year
- 2- the period
- 3- the product to be used

Here are the answers:

The number of cleaning operations depends on the level of pollution in the area in which the building is located, ranging from 1 to 3 times a year.

The period may be:

- at the end of winter
- in the middle of summer
- in the middle of autumn, depending on the number of cleaning operations

It is important that the product to be used for cleaning is neutral; using the wrong product could ruin the various different materials of which a door or window consists (gaskets, sealants, marble, ...) and cause damage that could compromise the efficiency and life of the product.

The characteristics of these products as well as the frequency of the cleaning to be adopted are defined in draft standards UNIMET12.04.270 and E12.04.277.0.

If no neutral product is available, it is preferable to use warm water with a nonabrasive cloth.

In order to install, maintain and clean the doors and windows correctly, we also suggest that you consult the instructions contained in the following Unceaal technical notes: UX 42 guide to installing windows UX 10 cleaning of surfaces of doors/windows and continuous facades.

Refer to our Thermoposa manuals.

## Painting phases

1. The painting cycle offer the possibility of obtaining an excellent protective coating on the surface of the frames and a greater brightness of colour;
2. The layer must have a min. thickness of 60 micron on the visible parts;
3. the material shall be subjected to the following process:
  - removal of grease/dirt without etching
  - washing
  - alkaline (or acid) pickling with etching
  - washing
  - deoxidising
  - washing
  - chromate treatment
  - washing in demineralised water
  - drying at 75°C
  - painting in thermosetting powder coating
  - oven polymerisation

All operations carried out on aluminium must comply with the provisions of the "Qualicoat" quality label.

## Anodisation phases

1. The oxide layer may vary from 15 to 20 micron (UNI 10681), according to the area in which the door/window is located;
2. it can be normal or electro-colour;
3. the material shall be subjected to the following process:
  - removal of grease/dirt without etching
  - washing
  - alkaline pickling with etching (except for shiny finishes)
  - washing
  - deoxidising
  - washing
  - oxidation in sulphuric acid bath at 18/20°C, density of corrosion 1.5[A]dmq
  - inorganic or organic colouring or electro-colour (except for silver)
  - double washing
  - drying
  - hot fixing boiling with nickel salts, fixing 2.5/3 minutes for every micron of thickness

## Observation

During the preliminary phase the project manager or door/window fitter must determine the type of door/window to be used depending on the elements provided by the client. During the selection or inspection, the necessary moment of inertia must be considered depending on the wind pressure and the required profile chosen from the Planet range. Obviously, the appropriate accessories must be used from the original ALSistem accessories, provided for the Planet range.

## Profile dimensions and weights

The dimensions and weights indicated on the drawings of the profiles in the catalogue are theoretical and can vary according to the extrusion dimensional tolerances (Standard UNI EN 12020) and to the type of finish. Painting also adds to the thickness, thus reducing the housings for inserting the gaskets and accessories. This variability could influence the dimensions of the cut and consequently those of the finished door/window. The differences in cut can increase also in proportion to the number of leaves per door/window. It is advisable, in initial works or in those with large quantities, to create a true sample to check that it works properly.

## Cut dimensions

The theoretical dimensions of cut indicated in this catalogue must be altered according to the type and depending on the precision of the cutting machine being used, (e.g. for double-leaf doors opening outwards with panic exit bar, the space must be 8 mm rather than 5 mm etc.). During fabrication of 3/4 leaf windows the leaftrans cutting size must be 0.5cm shorter.

## Advice for correct assembly

To obtain the best results when using Planet profiles, it is advisable to pay careful attention to all of the following points, designed to reinforce all of the weak points of a normal window, thus optimising 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 when 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 the vulcanised corner of the internal rebate gasket   | increases air permeability and improve the finish of the casing  |
| 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 and minimises the transmission of vibrations |
| 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 Planet ranges are produced by ISO9001 and ISO14001 certified companies

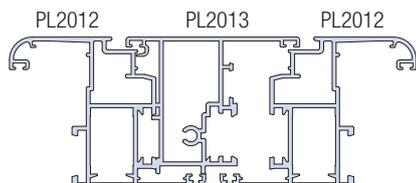
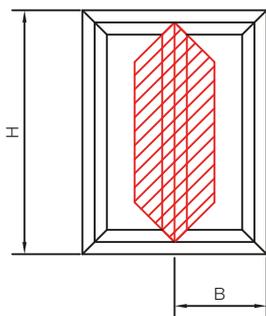
## Important

All the information provided in this catalogue is for guidance purposes only and in no way commits the company, which reserves the right to make improvements to its products whenever it deems this to be necessary. The company reserves the right of ownership of this catalogue and it is prohibited to reproduce or transfer it to third parties without written authorisation.

## Planet 45 range certifications

The Planet45 system has been subjected to the tests shown in the table for the different types of door and window.

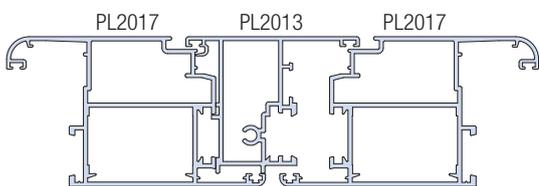
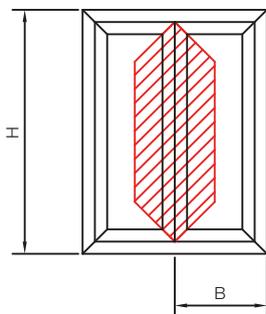
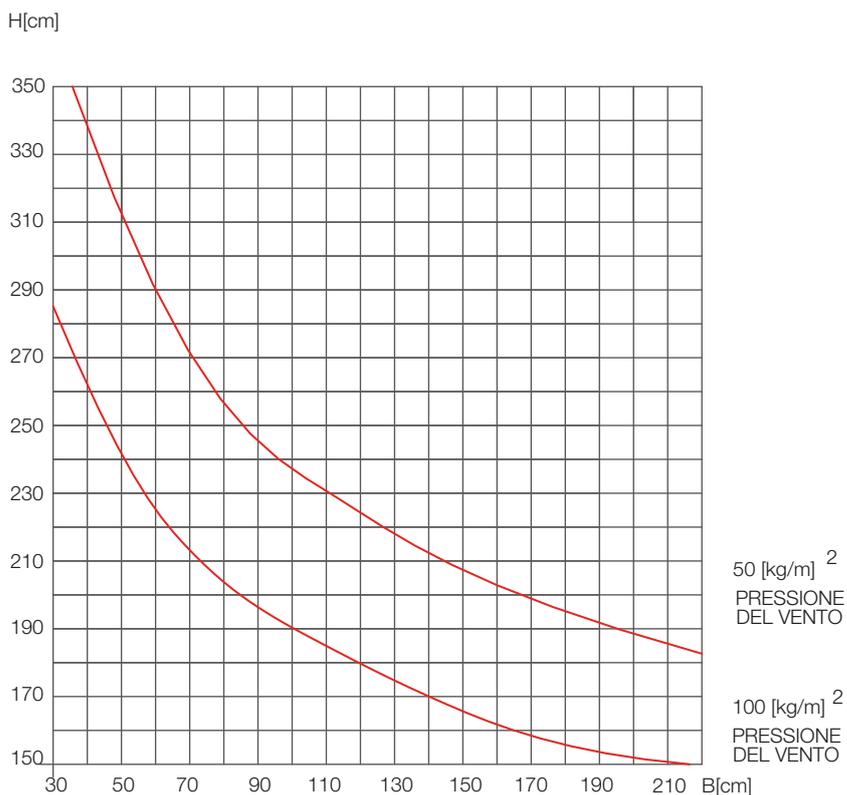
| TEST                    | WINDOWS TYPE              |                                  |
|-------------------------|---------------------------|----------------------------------|
|                         | 2-leaf tilt & turn window | 2-leaf tilt & turn french window |
| Windows size            | H=1.239mm<br>L=1.439mm    | H=2.400mm<br>L=1.500mm           |
| Certificated number     | 0443/2006                 | 1994-CPD-RP0612                  |
| Air permability         | classe 4                  | classe 4                         |
| Watertightness          | classe E1200              | classe E1050                     |
| Resistance to wind load | classe C5                 | classe C4                        |



$J_t = 39.14 \text{ cm}^4$

freccia max 1/300

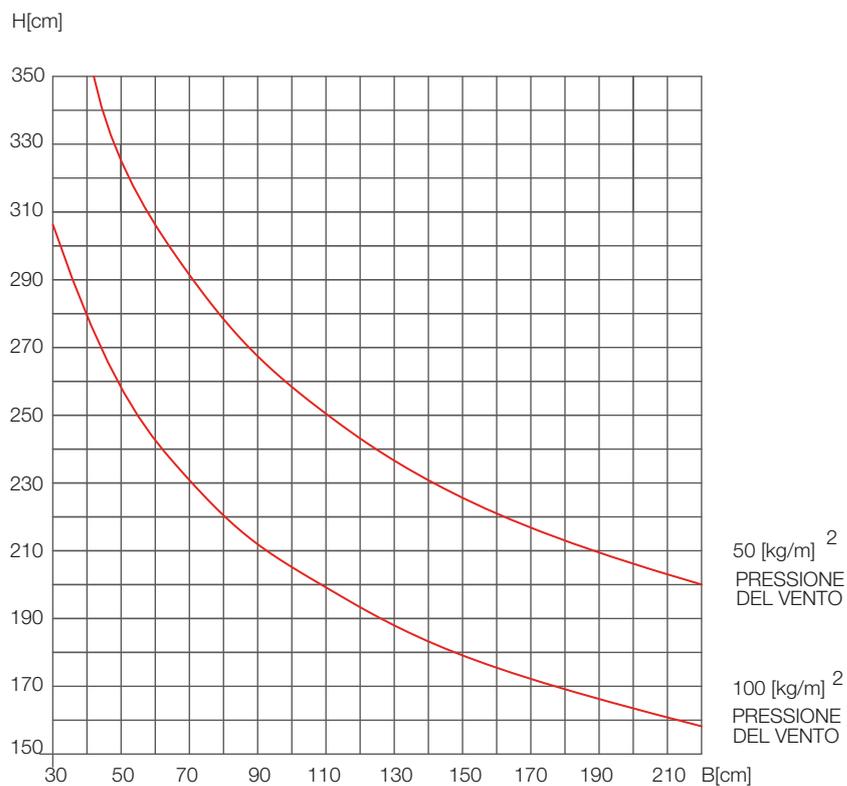
VERIFICARE CHE LA FRECCIA DEL PROFILO SIA COMPATIBILE COL VETRO IMPIEGATO

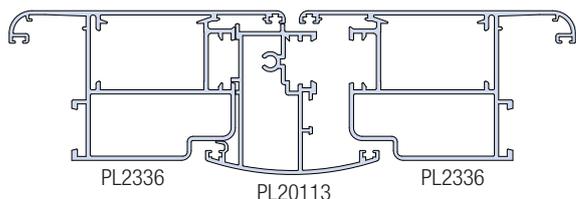
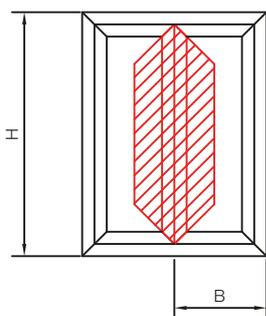


$J_t = 48.73 \text{ cm}^4$

freccia max 1/300

VERIFICARE CHE LA FRECCIA DEL PROFILO SIA COMPATIBILE COL VETRO IMPIEGATO

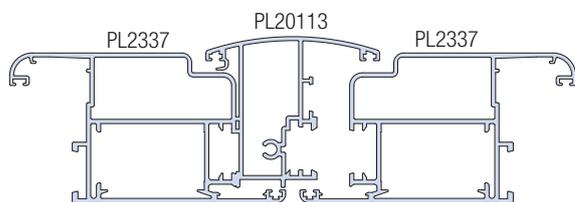
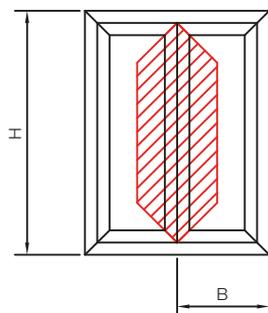
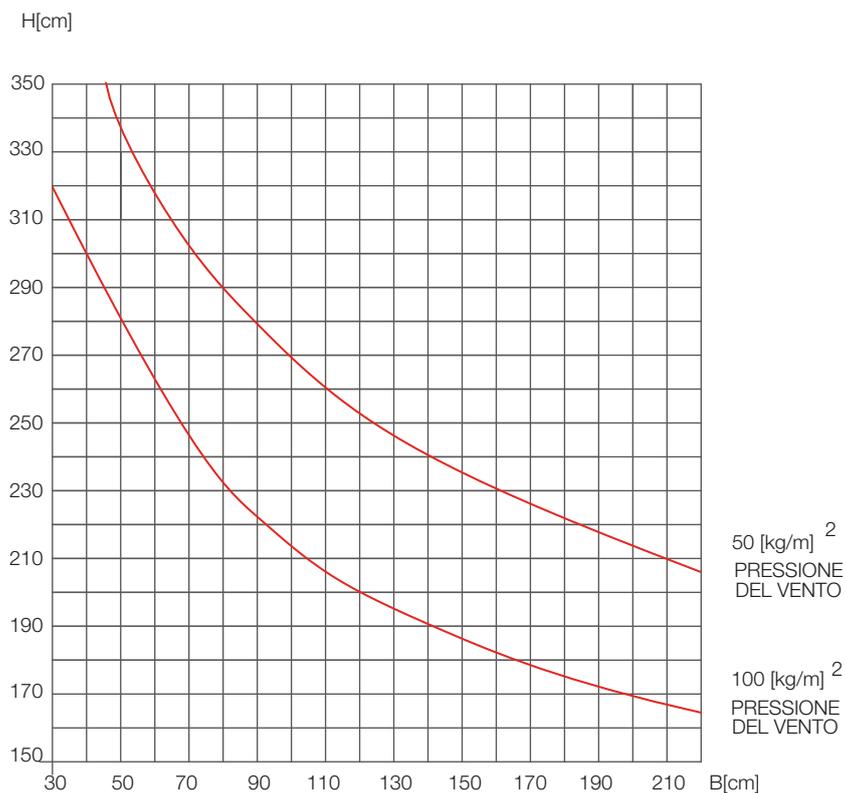




$$J_t = 54.74 \text{ cm}^4$$

freccia max 1/300

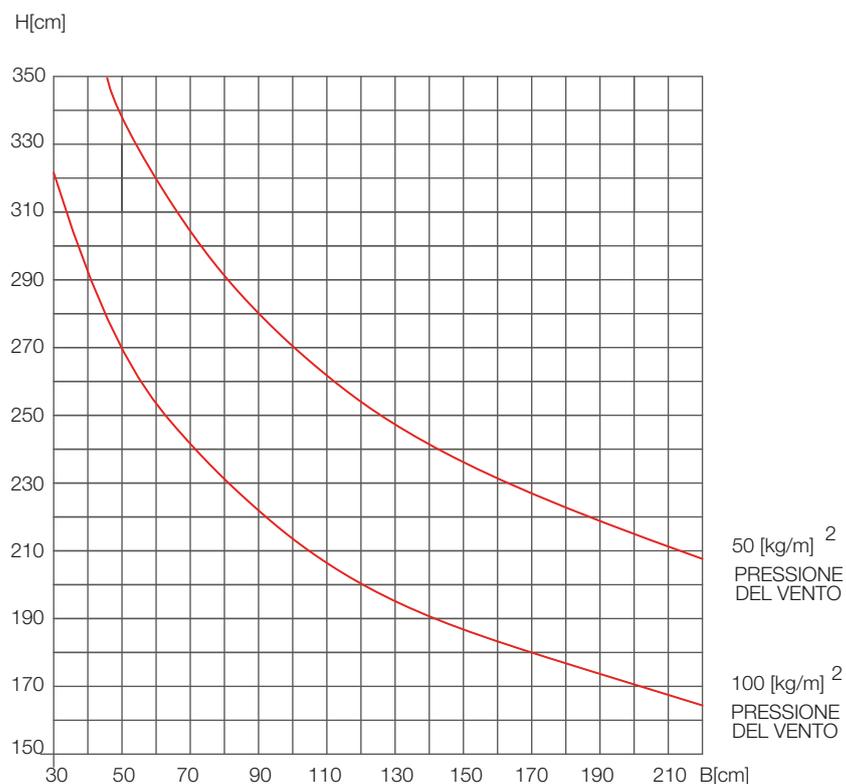
VERIFICARE CHE LA FRECCIA DEL PROFILO SIA  
COMPATIBILE COL VETRO IMPIEGATO

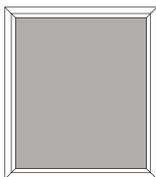


$$J_t = 55.61 \text{ cm}^4$$

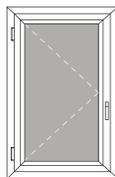
freccia max 1/300

VERIFICARE CHE LA FRECCIA DEL PROFILO SIA  
COMPATIBILE COL VETRO IMPIEGATO

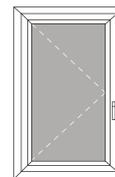




**fisso**  
fixed



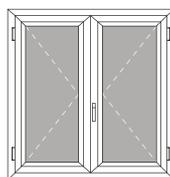
**finestra 1 anta  
apertura interna**  
1-leaf windows  
inner opening



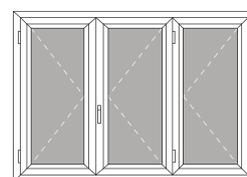
**finestra 1 anta  
apertura esterna**  
1-leaf windows  
outer opening



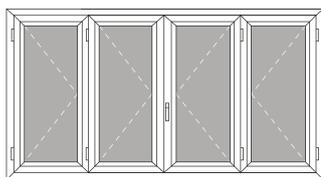
**finestra 2 ante  
ribalta**  
2-leaf, tilt and turn  
windows



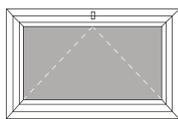
**finestra 2 ante**  
2-leaf windows



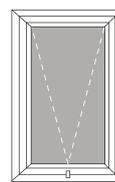
**finestra 3 ante**  
3-leaf windows



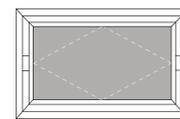
**finestra 4 ante**  
4-leaf windows



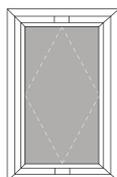
**vasistas**  
awning / hopper window



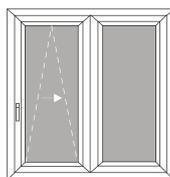
**sporgere**  
stick out windows



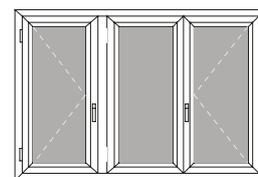
**bilico orizzontale**  
horizontal pivot window



**bilico verticale**  
vertical pivot window

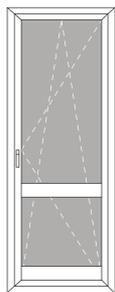


**scorrevole  
parallelo + fisso**  
tilt & slide + fix

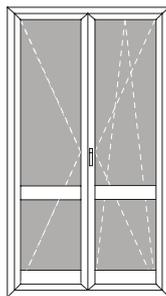


**finestratura  
a nastro**  
ribbon window

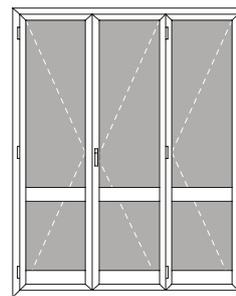
## DIMENSIONI MINIME LARGHEZZA ANTA 350mm



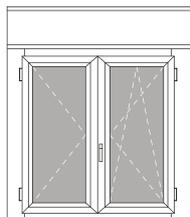
**porta finestra**  
**1 anta ribalta**  
balcony door  
1-leaf tilt and turn



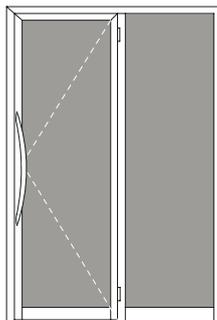
**porta finestra**  
**2 ante ribalta**  
balcony door  
2-leaf tilt and turn



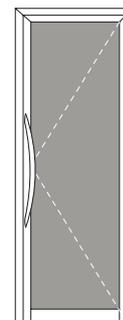
**porta finestra**  
**3 ante**  
balcony door  
3-leaf french door



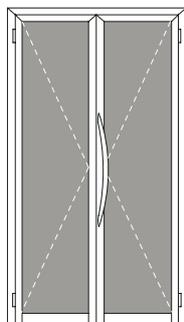
**finestra monoblocco**  
monoblock windows



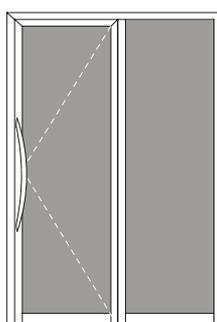
**portoncino 1 anta**  
**apertura interna + vetrina**  
1-leaf door inner  
opening and glaze



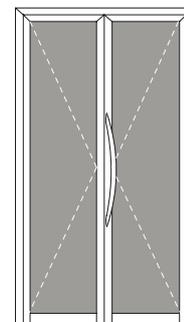
**portoncino 1 anta**  
**apertura interna**  
1-leaf door inner  
opening



**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

**DIMENSIONI MINIME LARGHEZZA ANTA 350mm**

## LEGENDA BATTUTA-SPALLA

### BEAT-ABUTMENT

Allo scopo di unificare la terminologia utilizzata nel catalogo:

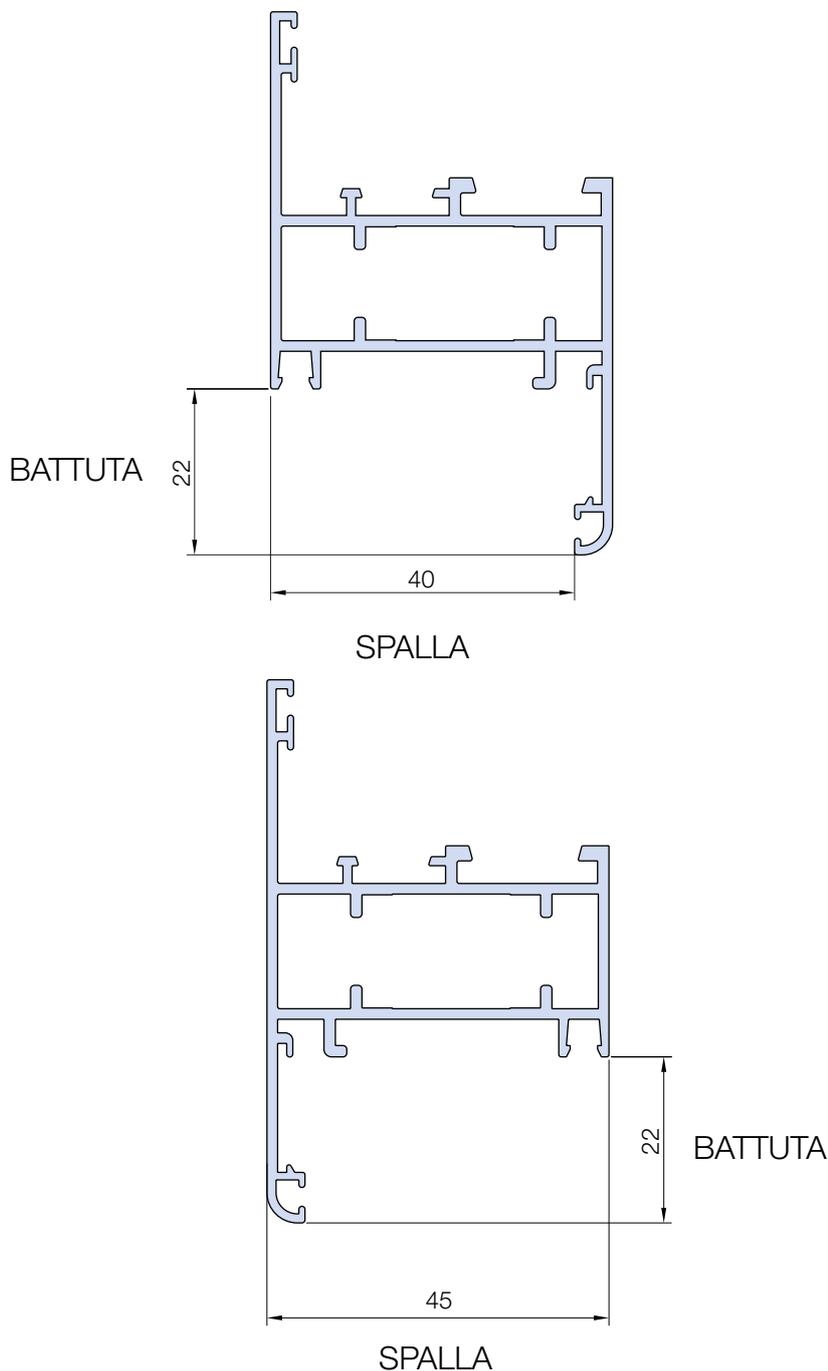
*In order to unify the technical terminology conventionally measured te following terms:*

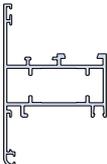
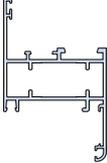
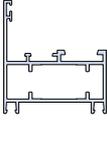
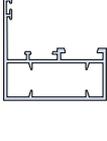
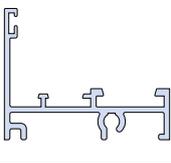
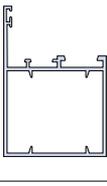
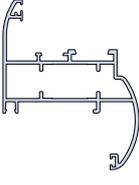
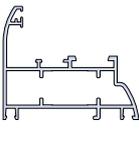
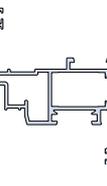
**BATTUTA:** la quota della lunghezza dell'aletta dei telai che copre il giunto con la muratura

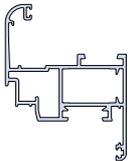
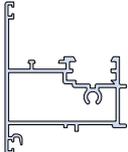
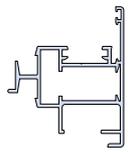
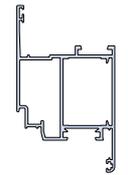
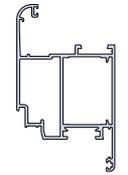
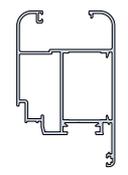
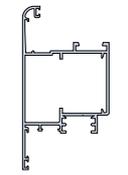
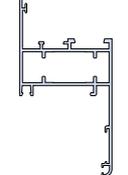
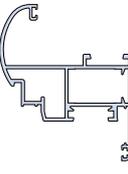
*BEAT: the part of the fin lenght of frames that covers the joint with the masonry*

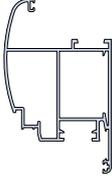
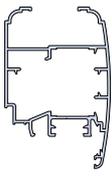
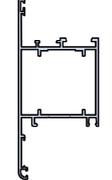
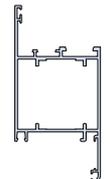
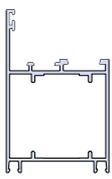
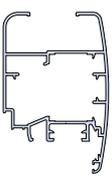
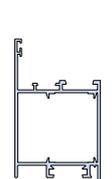
**SPALLA:** la quota della profondità tra la battuta e il filo esterno del profilato

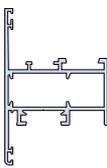
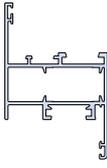
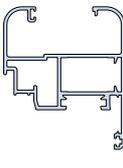
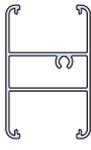
*ABUTMENT: the porportion of the depth between the stop and the external thread profile*

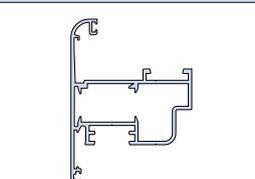
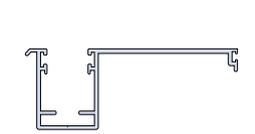
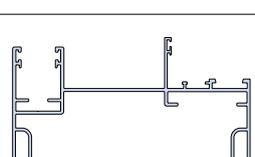
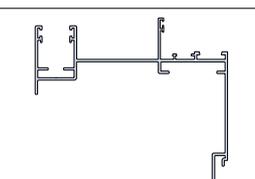
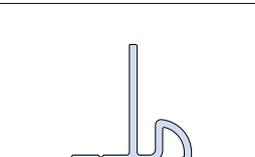
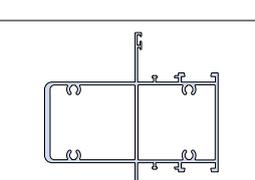
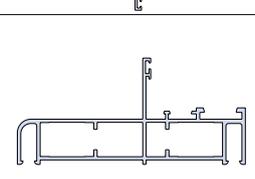
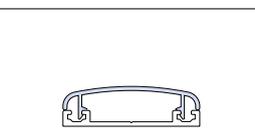
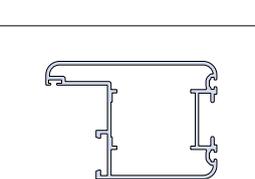


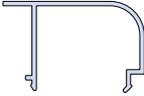
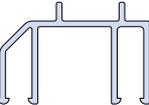
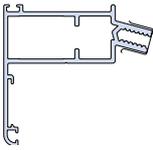
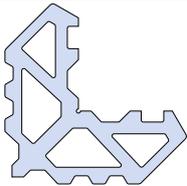
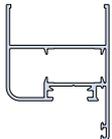
|  | Sagoma  | Art.    | Descrizione   | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|---------|---|-----------|--|
|    |    | PL 2001 | Telaio fisso a T<br>muro 40mm, battuta 22mm<br><i>Fixed T frame<br/>wall 40mm, beat 22mm</i>  | 897       | 9,97<br>7,58                               |
|    |    | PL 2002 | Telaio fisso a Z<br>muro 40mm, battuta 22mm<br><i>Z frame<br/>wall 40mm, beat 22mm</i>  | 886       | 9,97<br>7,58                               |
|    |    | PL 2003 | Telaio fisso a L<br><i>L fixed frame</i>  | 774       | 7,87<br>4,17                               |
|   |   | PL 2004 | Telaio fisso a L liscio<br><i>Fixed L flat frame</i>  | 731       | 7,18<br>3,62                               |
|  |  | PL 2006 | Soglia, altezza 36mm<br><i>36mm threshold</i>   | 537       | 5,20<br>1,41                               |
|  |  | PL 2007 | Telaio fisso a L maggiorato<br>liscio<br><i>Oversize fixed L flat frame</i>   | 904       | 10,27<br>12,28                             |
|  |  | PL 2008 | Telaio fisso a Z modanato<br>complanare interno, muro<br>47mm, battuta 25mm<br><i>Fixed Z frame molded inner coplanar, wall<br/>47mm, beat 25mm</i> | 1064      | 17,30<br>10,68                             |
|  |  | PL 2009 | Telaio fisso a L modanato<br>complanare interno da<br>abbinare a PL 2008<br><i>Fixed L frame inner coplanar to be combined<br/>with PL 2008</i>     | 933       | 13,52<br>5,49                              |
|  |  | PL 2011 | Anta liscia<br><i>Smooth leaf</i>   | 1044      | 13,99<br>7,76                              |

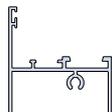
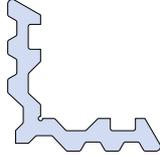
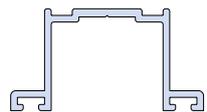
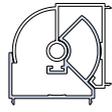
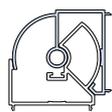
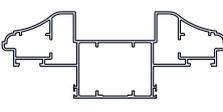
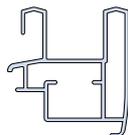
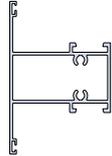
|  | Sagoma  | Art.    | Descrizione   | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|---------|---|-----------|--|
|    |    | PL 2012 | Anta raggiata<br><i>Rounded leaf</i>  | 1060      | 14,25<br>5,95                              |
|    |    | PL 2013 | Riporto centrale liscio<br><i>Pivot rebate reversal</i>   | 918       | 9,71<br>6,06                               |
|    |    | PL 2014 | Inversione bilico<br><i>Pivot reversal</i>  | 959       | 9,37<br>7,15                               |
|   |   | PL 2016 | Anta liscia maggiorata<br><i>Oversized smooth leaf</i>  | 1365      | 18,78<br>23,12                             |
|  |  | PL 2017 | Anta raggiata maggiorata<br><i>Oversized rounded leaf</i>   | 1321      | 19,03<br>25,71                             |
|  |  | PL 2018 | Anta vetro infilare maggiorata<br><i>Oversize leaf</i>  | 1350      | 19,14<br>27,15                             |
|  |  | PL 2019 | Anta bilico<br><i>Flat leaf</i>   | 1233      | 18,28<br>29,63                             |
|  |  | PL 2022 | Telaio fisso a Z battuta<br>40mm, muro 40mm<br><i>Fixed Z frame molded inner coplanar, wall 40mm, beat 40mm</i> | 1011      | 11,02<br>13,69                             |
|  |  | PL 2025 | Anta bombata da 58mm<br><i>Convex leaf, 58mm</i>  | 1087      | 15,85<br>9,39                              |

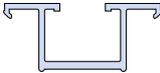
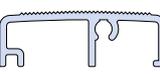
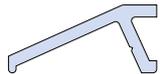
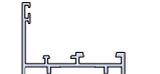
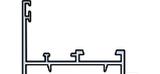
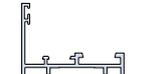
|  | Sagoma  | Art.    | Descrizione   | Peso<br>gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|---------|---|--------------|--|
|    |    | PL 2026 | Anta bombata maggiorata<br><i>Oversized convex leaf</i>   | 1451         | 22,42<br>29,68                             |
|    |    | PL 2028 | Anta vetro infilare<br>modanata maggiorata<br>spazio vetro 25mm<br><i>Oversized molded leaf, 25mm glass space</i>   | 1485         | 24,25<br>29,68                             |
|    |    | PL 2031 | Telaio fisso a T maggiorata<br>battuta 30mm muro 40mm<br><i>Oversized fixed T frame wall 40mm, beat 30mm</i>  | 1171         | 13,25<br>25,96                             |
|   |   | PL 2032 | Telaio fisso a Z maggiorato<br>battuta 22mm, muro 40mm<br><i>Oversized fixed Z frame,<br/>wall 40mm, beat 22mm</i>  | 1137         | 12,98<br>21,23                             |
|  |  | PL 2033 | Telaio fisso a L maggiorato<br><i>Oversized fixed L frame</i>   | 951          | 10,92<br>14,34                             |
|  |  | PL 2034 | Anta vetro infilare bombata<br>maggiorata spazio vetro<br>25mm<br><i>Oversized molded beadless leaf,<br/>25mm glass space</i>                               | 1477         | 24,56<br>30,15                             |
|  |  | PL 2035 | Telaio fisso a Z<br>maggiorato doppia<br>battuta, battuta 17,5mm,<br>muro 41,5mm<br><i>Fixed Z frame double rebeat version<br/>wall 41,5mm, beat 17,5mm</i> | 1176         | 13,24<br>21,02                             |
|  |  | PL 2038 | Traverso da 92mm per fissi<br>ed ante raggiate, fissaggio<br>con cavalletto<br><i>92mm transom for fixed and rounded leaf,<br/>fix clamp</i>                | 1222         | 12,39<br>19,87                             |

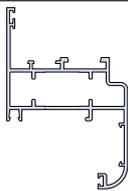
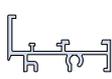
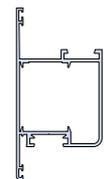
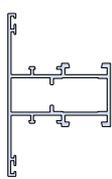
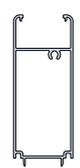
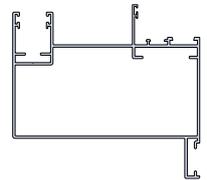
|  | Sagoma  | Art.    | Descrizione  | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|---------|--|-----------|--|
|    |    | PL 2040 | Fascia da 165mm, sezione 45mm<br><i>165mm central crossbeam, 45mm section</i>  | 1833      | 23,12<br>15,96                             |
|    |    | PL 2041 | Zoccolo da 158mm, sezione 45mm<br><i>158mm crossbeam, 45mm section</i>   | 1862      | 23,66<br>15,46                             |
|    |    | PL 2042 | Anta a T sporgere sormonto/telaio fisso a T battuta 17,5mm, muro 41,5mm<br><i>Top hung open out leaf/fixe frame wall 41,5mm, beat 17,5mm</i> | 954       | 9,41<br>7,30                               |
|   |   | PL 2047 | Zoccolo riportato sezione 45mm<br><i>Fitted base, 45mm section</i>   | 1369      | 16,45<br>59,34                             |
|  |  | PL 2048 | Zoccolo riportato per ante PL 2011 e PL 2016, sezione 53mm<br><i>Fitted base for PL 2011 and PL 2016, 53mm section</i>                       | 1267      | 21,90<br>47,91                             |
|  |  | PL 2050 | Telaio fisso a Z battuta 17,5mm, muro 41,5mm anta doppia battuta<br><i>Fixed Z frame for double rebeat wall 41,5mm, beat 17,5mm</i>          | 956       | 9,79<br>7,08                               |
|  |  | PL 2051 | Anta vetro infilare spazio vetro 25mm<br><i>beadless leaf, 25mm glass space</i>  | 1122      | 14,44<br>9,70                              |
|  |  | PL 2052 | Fascia vetro infilare 140mm spazio vetro 25mm, sezione 37mm<br><i>140mm beadless crossbeam 25mm glass space, 37mm space</i>                  | 1530      | 14,13<br>10,89                             |
|  |  | PL 2053 | Traverso vetro infilare 59mm spazio vetro 25mm, sezione 37mm<br><i>59mm beadless tramson 25mm glass space, 37mm section</i>                  | 846       | 6,84<br>7,82                               |

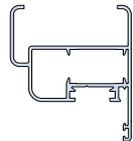
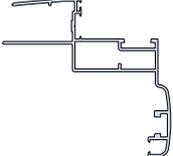
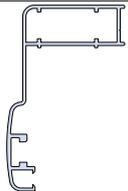
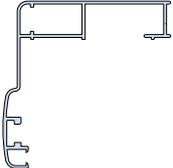
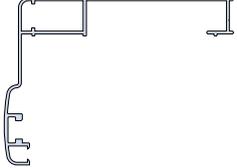
|  | Sagoma  | Art.    | Descrizione  | Peso<br>gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|---------|--|--------------|--|
|    |    | PL 2056 | Anta per sporgere<br><i>Top hung open out leaf</i>   | 1123         | 13,75<br>11,41                             |
|    |    | PL 2060 | Guida tapparella<br><i>Shutter guide</i>   | 947          | -<br>-                                     |
|    |    | PL 2061 | Spalla monoblocco con<br><i>Single-unit open shoulder</i>  | 1819         | 137,73<br>14,68                            |
|   |   | PL 2063 | Spalla aperta monoblocco<br><i>Single-unit open shoulder</i>   | 1993         | 147,14<br>57,32                            |
|  |  | PL 2066 | Supporto cassonetto<br>monoblocco inferiore e<br>superiore<br><i>Support for top and bottom<br/>single-unit shoulder</i> | 199          | -<br>-                                     |
|  |  | PL 2068 | Montante per finestre<br><i>Mullion for curtain wall</i>   | 2077         | 74,43<br>35,66                             |
|  |  | PL 2069 | Mezzo montatore per<br>finestre<br><i>Half mullion for curtain wall</i>  | 1339         | 46,54<br>5,18                              |
|  |  | PL 2070 | Copricava per PL 2071 e<br>PL 2073<br><i>Counter-frame for PL 2071 and PL 2073</i>                                       | 214          | -<br>-                                     |
|  |  | PL 2071 | Anta porte automatiche e<br>ventola<br><i>Automatic door leaf</i>  | 1236         | 17,70<br>25,81                             |

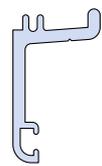
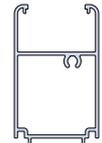
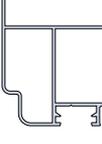
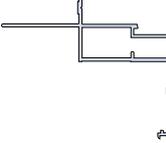
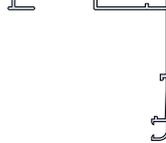
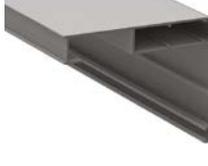
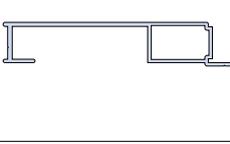
|  | Sagoma  | Art.    | Descrizione   | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|---------|---|-----------|--|
|    |    | PL 2072 | Profilo di riempimento per porte automatiche<br><i>Finishing profile for automatic door</i>       | 331       | -<br>-                                     |
|    |    | PL 2073 | Porta spazzolino abbinare con PL 2070<br><i>Brush holder for PL 2070</i>                          | 231       | -<br>-                                     |
|    |    | PL 2075 | Profilo giunzione finestre<br><i>Glazing joint profile</i>  | 527       | -<br>-                                     |
|   |   | PL 2076 | Controtelaio telescopico per finestre<br><i>Glazing counter-frame</i>                             | 776       | 8,57<br>4,21                               |
|  |  | PL 2077 | Coprifilo<br><i>Counter-frame</i>   | 385       | -<br>-                                     |
|  |  | PL 2080 | Profilo cornice<br><i>Frame</i>   | 1190      | -<br>-                                     |
|  |  | PL 2081 | Profilo compensatore muro/telaio<br><i>Counter-frame</i>  | 404       | -<br>-                                     |
|  |  | PL 2084 | Profilo per squadrette maggiorate, cianfrinare<br><i>Profile for oversized brackets, crimping</i> | 6161      | -<br>-                                     |
|  |  | PL 2087 | Anta liscia porte interne pannello da 40mm<br><i>Smooth leaf for inner door, 40mm section</i>     | 872       | 9,09<br>5,84                               |

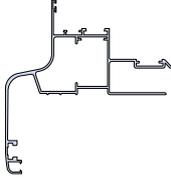
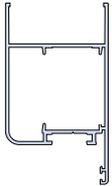
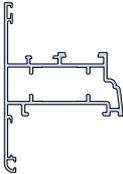
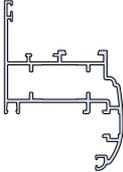
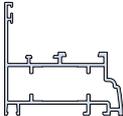
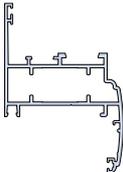
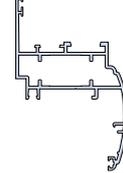
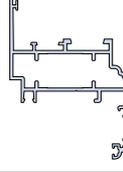
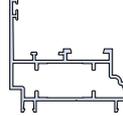
|  | Sagoma  | Art.    | Descrizione   | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|---------|---|-----------|--|
|    |    | PL 2088 | Traverso telaio monoblocco<br><i>Tramson frame for single-unit</i>  | 759       | 7,58<br>4,38                               |
|    |    | PL 2089 | Celino monoblocco<br><i>Single-unit celino</i>  | 827       | -<br>-                                     |
|    |    | PL 2090 | Profilo per squadrette<br>cianfrinare<br><i>Profile for bracket, crimping</i>   | 2720      | -<br>-                                     |
|   |   | PL 2091 | Guida sottozoccolo porte<br>automatiche scorrevoli<br><i>Under crossbead for automatic slide door</i>                         | 304       | -<br>-                                     |
|  |  | PL 2092 | Telaio angolo variabile<br><i>Variable angle frame</i>  | 763       | -<br>-                                     |
|  |  | PL 2093 | Telaio angolo variabile<br><i>Variable angle frame</i>  | 720       | -<br>-                                     |
|  |  | PL 2094 | Profilo scopello doppia<br>battuta<br><i>Double beaten profile</i>  | 2315      | 167,14<br>24,78                            |
|  |  | PL 2095 | Profilo di abbinamento<br>Slide 60<br><i>Matching profile with slide 60</i>   | 1208      | 12,88<br>11,18                             |
|  |  | PL 2096 | Traverso 81mm per ante<br>PL 2011 e PL 2016,<br>sezione 53mm<br><i>81mm tramson for PL 2011 and PL 2016,<br/>53mm section</i> | 1029      | 16,18<br>12,38                             |

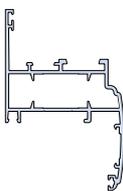
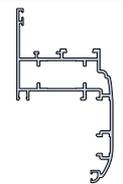
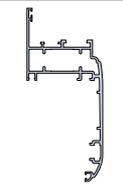
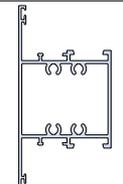
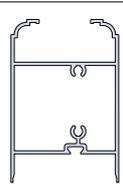
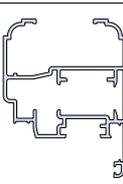
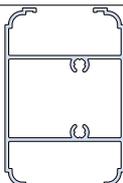
|  | Sagoma  | Art.     | Descrizione  | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|----------|--|-----------|--|
|    |    | PL 2097  | Riduttore vetro 12mm per ante porte interne<br><i>12mm glass reducer for inner door</i>                          | 379       | -<br>-                                     |
|    |    | PL 2098  | Riduttore vetro 24mm per ante porte interne<br><i>24mm glass reducer for inner door</i>                          | 398       | -<br>-                                     |
|    |    | PL 2099  | Soglia calpestabile<br><i>Threshold plate</i>  | 511       | -<br>-                                     |
|   |   | PL 20100 | Gocciolatoio<br><i>Drip</i>  | 129       | -<br>-                                     |
|  |  | PL 20101 | Telaio fisso a T coplanare interno battuta 22mm, muro 48mm<br><i>Fixed T coplanar frame wall 48mm, beat 22mm</i> | 951       | 11,81<br>7,59                              |
|  |  | PL 20102 | Telaio fisso a Z coplanare interno battuta 22mm, muro 40mm<br><i>Fixed Z coplanar frame wall 40mm, beat 22mm</i> | 1000      | 13,77<br>9,28                              |
|  |  | PL 20103 | Telaio fisso a L coplanare interno<br><i>Fixed L coplanar inner frame</i>  | 885       | 10,37<br>4,45                              |
|  |  | PL 20113 | Riporto centrale raggiato<br><i>Pivot rebate</i>   | 984       | 11,81<br>6,94                              |
|  |  | PL 20120 | Inversione di battuta<br><i>Rebeat reversal</i>  | 745       | 6,70<br>3,94                               |

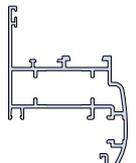
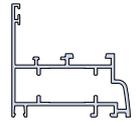
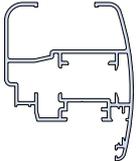
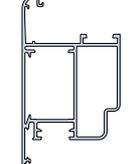
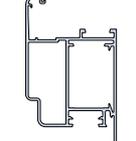
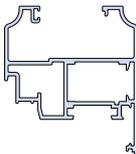
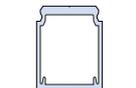
|  | Sagoma  | Art.     | Descrizione  | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|----------|--|-----------|--|
|    |    | PL 20121 | Telaio fisso a Z coplanare interno battuta 30mm, muro 40mm<br><i>Fixed Z coplanar inner frame wall 40mm, beat 22mm</i>                         | 1053      | 14,81<br>12,70                             |
|    |    | PL 20126 | Rinforzo soglia ribassata<br><i>Lowered threshold reinforcement</i>  | 260       | -<br>-                                     |
|    |    | PL 20127 | Soglia ribassata 25mm<br><i>25mm threshold plate</i>   | 500       | -<br>-                                     |
|   |   | PL 20136 | Telaio fisso a T maggiorato doppia battuta, battuta 17,5mm, muro 41,5mm<br><i>Fixed T frame double rebate version wall 41,5mm, beat 17,5mm</i> | 1146      | 12,53<br>21,02                             |
|  |  | PL 20137 | Telaio fisso a Z battuta 70mm, muro 40mm<br><i>Fixed Z frame wall 40mm, beat 70mm</i>  | 1177      | 13,48<br>36,26                             |
|  |  | PL 20138 | Traverso da 72mm per fissi e ante raggiate fissaggio con cavalletto<br><i>72mm transom for fixed frame and rounded leaf - fix clamp</i>        | 911       | 9,06<br>7,61                               |
|  |  | PL 20148 | Zoccolo riportato da 90mm vetro ad infilare<br><i>90mm fitted base beadless</i>  | 1103      | 9,58<br>35,98                              |
|  |  | PL 20152 | Fascia da 100mm, porte interne<br><i>100mm crossbead, interior door</i>  | 1308      | 16,37<br>40,99                             |
|  |  | PL 20163 | Spalla chiusura monoblocco<br><i>Single-unit closed shoulder</i>   | 2785      | 19,60<br>93,31                             |

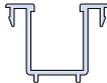
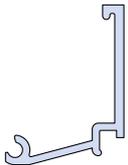
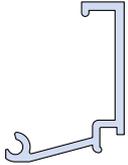
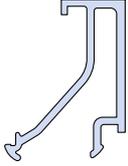
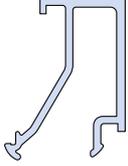
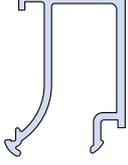
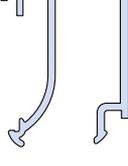
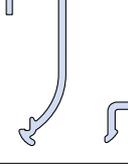
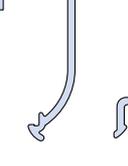
|  | Sagoma  | Art.     | Descrizione   | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|----------|---|-----------|--|
|    |    | PL 20187 | Anta raggiata porte interne<br><i>Rounded leaf for interior door</i>  | 947       | 12,39<br>6,47                              |
|    |    | PL 20190 | Telaio fisso per porte interne<br><i>Fixed frame for interior door</i>  | 1359      | 33,32<br>25,60                             |
|    |    | PL 20192 | Imbotte per telai a L maggiorati<br><i>Wall profile for oversized L frame</i>   | 636       | -<br>-                                     |
|   |   | PL 20193 | Imbotte da 45mm<br><i>45mm wall profile</i>   | 946       | -<br>-                                     |
|  |  | PL 20194 | Imbotte da 75mm<br><i>75mm wall profile</i>   | 1149      | -<br>-                                     |
|  |  | PL 20195 | Imbotte da 105mm<br><i>105mm wall profile</i>   | 1306      | -<br>-                                     |
|  |  | PL 20196 | Prolunga imbotti da 90mm<br><i>90mm wall profile extension</i>  | 686       | -<br>-                                     |
|  |  | PL 20198 | Imbotte da 135mm<br><i>135mm wall profile</i>   | 1504      | -<br>-                                     |
|  |  | PL 20226 | Profilo copricava per PL 20163,<br>PL 2063,<br>PL 20325, PL 2077, PL 2071<br><i>Cable cover profile for PL 20163, PL 2063,<br/>PL 20325, PL 2077,<br/>PL 2071</i> | 95        | -<br>-                                     |

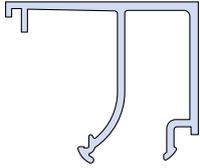
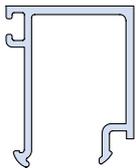
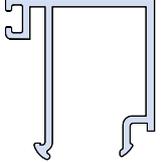
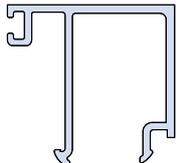
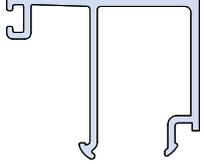
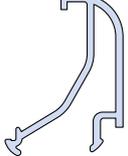
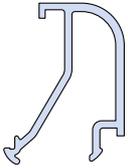
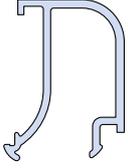
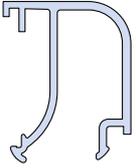
|  | Sagoma  | Art.     | Descrizione  | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|----------|--|-----------|--|
|    |    | PL 20228 | Battuta riportata 22mm per telai fissi<br><i>22mm fitted rebate for fixed Z frame</i>                                    | 225       | -<br>-                                     |
|    |    | PL 20248 | Zoccolo riportato da 59mm, vetro infilare sezione 37mm<br><i>59mm fitted base, beadless 37mm section</i>                 | 847       | 6,83<br>11,42                              |
|    |    | PL 20287 | Anta raggiata maggiorata porte interne pannello da 40mm<br><i>Oversized rounded leaf for interior door, 40mm section</i> | 1215      | 17,64<br>22,18                             |
|   |   | PL 20290 | Telaio fisso liscio per porte interne<br><i>Fixed smooth frame for interior door</i>                                     | 1192      | 27,55<br>20,47                             |
|  |  | PL 20293 | Imbotte da 48,5mm<br><i>48,5mm wall profile</i>  | 832       | -<br>-                                     |
|  |  | PL 20294 | Imbotte da 78,5mm<br><i>78.5mm wall profile</i>  | 1022      | -<br>-                                     |
|  |  | PL 20295 | Imbotte da 103mm<br><i>103mm wall profile</i>  | 1236      | -<br>-                                     |
|  |  | PL 20296 | Imbotte da 108,5mm<br><i>108,5mm wall profile</i>  | 816       | -<br>-                                     |
|  |  | PL 20298 | Imbotte da 138,5mm<br><i>138,5mm wall profile</i>  | 1472      | -<br>-                                     |

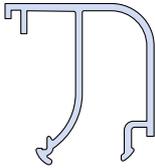
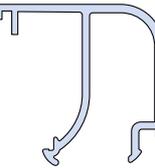
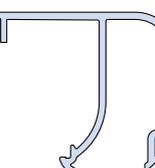
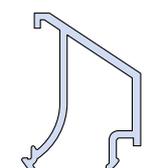
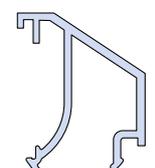
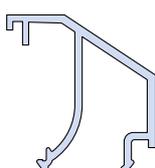
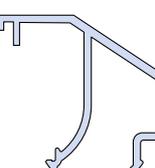
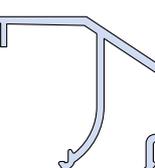
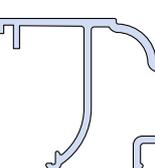
|  | Sagoma  | Art.     | Descrizione  | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|----------|--|-----------|--|
|    |    | PL 20325 | Telaio capannoni con coprivite<br><i>Industrial shed frame with screw cover</i>  | 2337      | -<br>-                                     |
|    |    | PL 20387 | Anta porte interne maggiorata dritta pannello da 40mm<br><i>Oversized leaf for interior door, 40mm section</i>                           | 1035      | 12,27<br>17,00                             |
|    |    | PL 2101  | Telaio fisso a T modanato complanare interno battuta 25mm, muro 47mm<br><i>Fixed T molded complanar inner frame wall 47mm, beat 25mm</i> | 953       | 11,83<br>8,52                              |
|   |   | PL 2102  | Telaio fisso a Z modanato complanare interno battuta 25mm, muro 40mm<br><i>Fixed Z molded complanar inner wall 47mm, beat 25mm</i>       | 1063      | 13,44<br>9,99                              |
|  |  | PL 2103  | Telaio fisso a L modanato complanare interno<br><i>Fixed L molded complanar inner frame</i>  | 844       | 10,21<br>4,72                              |
|  |  | PL 2104  | Telaio fisso a Z modanato con scalino, filo cerniera battuta 35mm, muro 40mm<br><i>Fixed Z molded wall 40mm, beat 35mm</i>               | 980       | 10,21<br>4,72                              |
|  |  | PL 2105  | Telaio fisso a Z modanato con scalino, filo cerniera battuta 35mm, muro 40mm<br><i>Fixed Z molded frame, wall 40mm, beat 35mm</i>        | 1050      | 14,88<br>13,15                             |
|  |  | PL 2108  | Telaio fisso a Z modanato con scalino, filo cerniera battuta 25mm, muro 40mm<br><i>Fixed Z molded frame, wall 40mm, beat 25mm</i>        | 1006      | 13,80<br>9,21                              |
|  |  | PL 2109  | Telaio fisso a L modanato con scalino<br><i>Fixed L molded frame</i>   | 840       | 10,04<br>4,39                              |

|  | Sagoma  | Art.     | Descrizione  | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|----------|--|-----------|--|
|    |    | PL 2121  | Telaio fisso a Z modanato<br>filo cerniera, battuta 45mm,<br>muro 45mm<br><i>Fixed Z molded frame,<br/>wall 45mm, beat 45mm</i>                                    | 1001      | 13,93<br>10,81                             |
|    |    | PL 2122  | Telaio fisso a Z modanato,<br>battuta 70mm, muro 40mm<br><i>Fixed Z molded frame,<br/>wall 40mm, beat 70mm</i>   | 1149      | 15,50<br>20,43                             |
|    |    | PL 2124  | Telaio fisso a Z modanato,<br>battuta 70mm, muro 40mm<br><i>Fixed Z molded frame,<br/>wall 40mm, beat 70mm</i>   | 1340      | 18,36<br>44,14                             |
|   |   | PL 2138  | Traverso da 92mm per fissi<br>ed ante raggiate, fissaggio<br>con viti<br><i>92mm transom for rounded fixed and leaf -<br/>fixing with screws</i>                   | 1238      | 12,54<br>21,25                             |
|  |  | PL 2148  | Zoccolo modanato vetro<br>infilare spazio vetro 25mm<br><i>Beadless molded crossbead,<br/>25mm glass space</i>   | 1285      | 20,34<br>26,58                             |
|  |  | PL 2151  | Anta modanata vetro infilare<br>spazio vetro 25mm<br><i>Beadless molded leaf,<br/>25mm glass space</i>   | 1195      | 17,31<br>13,73                             |
|  |  | PL 2152  | Fascia modanata vetro<br>infilare da 142mm,<br>spazio vetro 25mm, sezione<br>52,5mm<br><i>142mm Beadless molded crossbead<br/>25mm glass space, 52,5mm section</i> | 1885      | 34,10<br>15,26                             |
|  |  | PL 2153  | Traverso modanato vetro<br>infilare da 80mm, spazio<br>vetro 25mm, sezione<br>52,5mm<br><i>80mm molded transom<br/>25mm glass space, 52,5mm section</i>            | 1328      | 21,26<br>28,62                             |
|  |  | PL 21148 | Zoccolo modanato vetro<br>infilare da 142mm, spazio<br>vetro 25mm, sezione 52,5<br><i>142mm beadless molded fitted base 25mm<br/>glass space, 52,5 section</i>     | 1831      | 33,48<br>14,85                             |

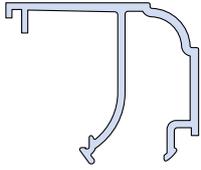
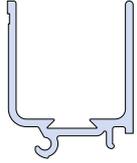
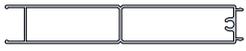
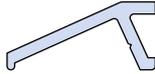
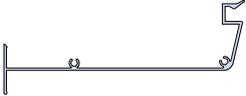
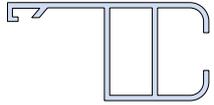
|  | Sagoma  | Art.     | Descrizione  | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|----------|--|-----------|--|
|    |    | PL 21151 | Anta modanata bombata vetro ad infilare, spazio vetro 25mm<br><i>Beadless convex molded leaf, 25mm glass space</i>               | 1225      | 19,66<br>14,33                             |
|    |    | PL 2202  | Telaio fisso a Z bombato complanare interno, battuta 22mm, muro 40mm<br><i>Fixed Z convex molded frame, wall 40mm, beat 22mm</i> | 1059      | 13,52<br>9,72                              |
|    |    | PL 2203  | Telaio fisso a L bombato complanare interno<br><i>Fixed L convex frame coplanar inner</i>  | 843       | 10,41<br>4,74                              |
|   |   | PL 22151 | Anta bombata vetro ad infilare spazio vetro 25mm<br><i>Beadless convex leaf, 25mm glass space</i>                                | 1231      | 18,10<br>13,80                             |
|  |  | PL 2336  | Anta maggiorata doppia battuta apertura esterna<br><i>Oversized leaf double rebeat, external opening</i>                         | 1692      | 19,11<br>32,37                             |
|  |  | PL 2337  | Anta maggiorata doppia<br><i>Double oversized leaf</i>   | 1667      | 20,59<br>32,30                             |
|  |  | PL 2857  | Anta vetro infilare<br><i>Beadless leaf</i>  | 1110      | 14,25<br>9,57                              |
|  |  | PL 2860  | Terminale profilo di rinforzo<br><i>Support terminal profile</i>   | 428       | -<br>-                                     |
|  |  | PL 2859  | Base profilo di rinforzo<br><i>Support base</i>  | 814       | -<br>-                                     |

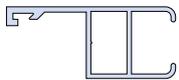
|  | Sagoma  | Art.    | Descrizione   | Peso<br>gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|---------|---|--------------|--|
|    |    | PL 6097 | Riduttore vetro da 12mm<br><i>12mm glass reducer for inner door</i> | 246          | -<br>-                                     |
|    |    | PL 1404 | Fermavetro retto da 3,5mm<br><i>3,5mm smooth glazing bead</i>       | 190          | -<br>-                                     |
|    |    | PL 1407 | Fermavetro retto da 7mm<br><i>7mm smooth glazing bead</i>           | 206          | -<br>-                                     |
|   |   | PL 1411 | Fermavetro retto da 10,5mm<br><i>10,5mm smooth glazing bead</i>     | 252          | -<br>-                                     |
|  |  | PL 1414 | Fermavetro retto da 14mm<br><i>14mm smooth glazing bead</i>         | 257          | -<br>-                                     |
|  |  | PL 1418 | Fermavetro retto da 17,5mm<br><i>17,5mm smooth glazing bead</i>     | 268          | -<br>-                                     |
|  |  | PL 1421 | Fermavetro retto da 21mm<br><i>21mm smooth glazing bead</i>         | 290          | -<br>-                                     |
|  |  | PL 1425 | Fermavetro retto da 24,5mm<br><i>24,5mm smooth glazing bead</i>     | 304          | -<br>-                                     |
|  |  | PL 1428 | Fermavetro retto da 27,5mm<br><i>27,5mm smooth glazing bead</i>     | 312          | -<br>-                                     |

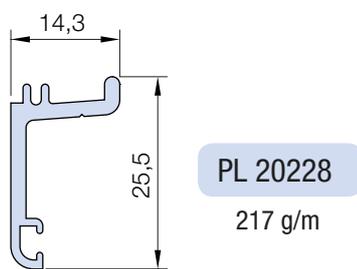
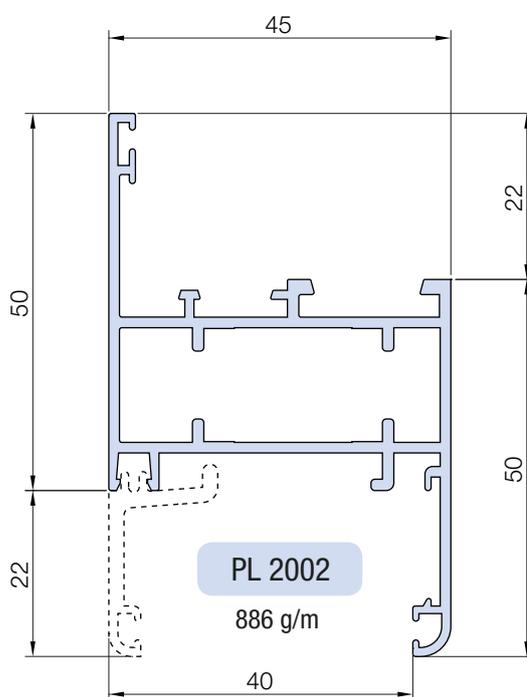
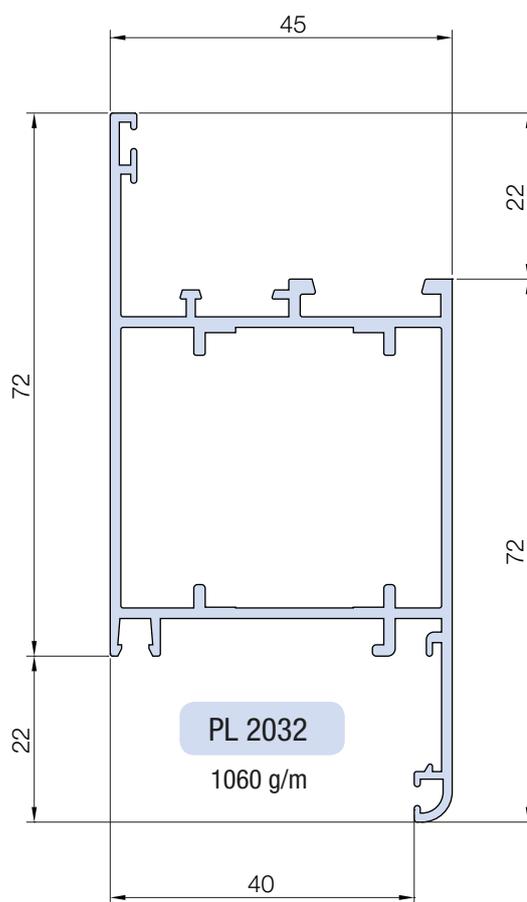
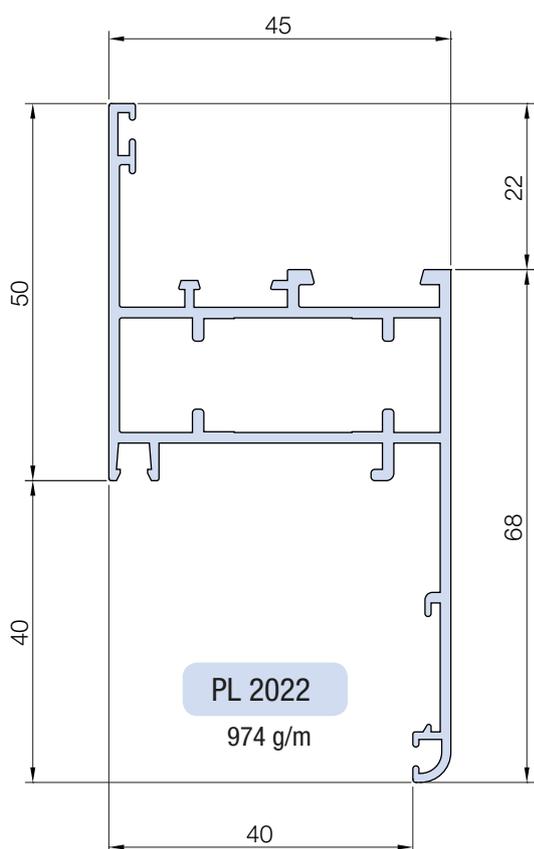
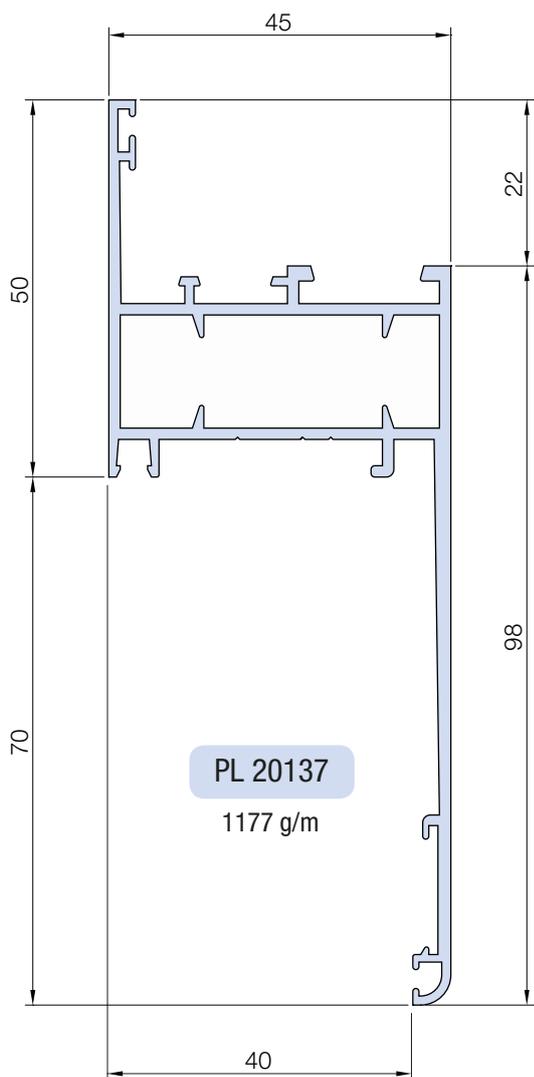
|  | Sagoma  | Art.     | Descrizione  | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|----------|--|-----------|--|
|    |    | PL 1432  | Fermavetro retto da 31,7mm<br><i>31,7mm smooth glazing bead</i>                              | 331       | -<br>-                                     |
|    |    | PL 14121 | Fermavetro retto con portaguarnizione da 21mm<br><i>Flat glazing bead for 21mm fixed</i>     | 280       | -<br>-                                     |
|    |    | PL 14125 | Fermavetro retto con portaguarnizione da 25mm<br><i>Flat glazing bead for 25mm fixed</i>     | 313       | -<br>-                                     |
|   |   | PL 14128 | Fermavetro retto con portaguarnizione da 27,5mm<br><i>Flat glazing bead for 27,5mm fixed</i> | 323       | -<br>-                                     |
|  |  | PL 14132 | Fermavetro retto con portaguarnizione da 32mm<br><i>Flat glazing bead for 32mm fixed</i>     | 338       | -<br>-                                     |
|  |  | PL 1511  | Fermavetro raggiato da 10,2mm<br><i>10,2mm rounded glazing bead</i>                          | 238       | -<br>-                                     |
|  |  | PL 1514  | Fermavetro raggiato da 14mm<br><i>14mm rounded glazing bead</i>                              | 247       | -<br>-                                     |
|  |  | PL 1518  | Fermavetro raggiato da 17,5mm<br><i>17,5mm rounded glazing bead</i>                          | 257       | -<br>-                                     |
|  |  | PL 1521  | Fermavetro raggiato da 21mm<br><i>21mm rounded glazing bead</i>                              | 279       | -<br>-                                     |

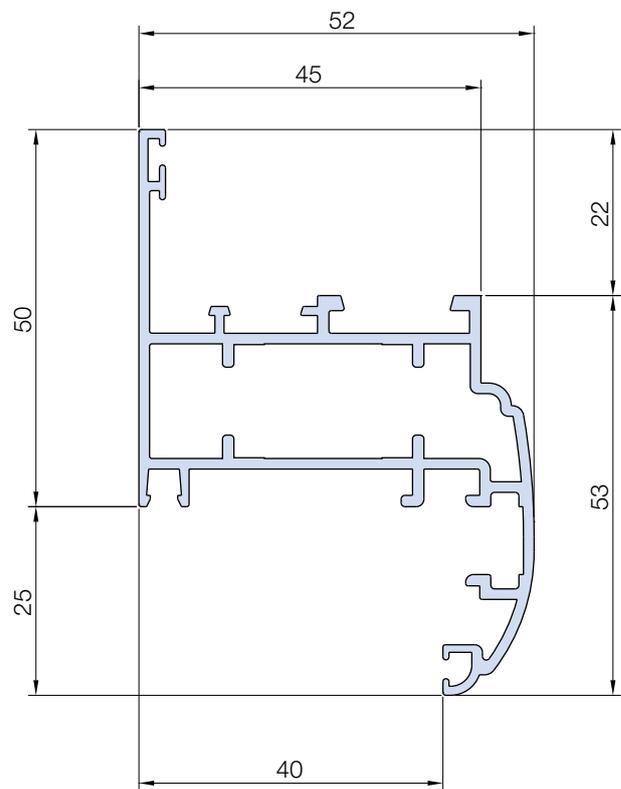
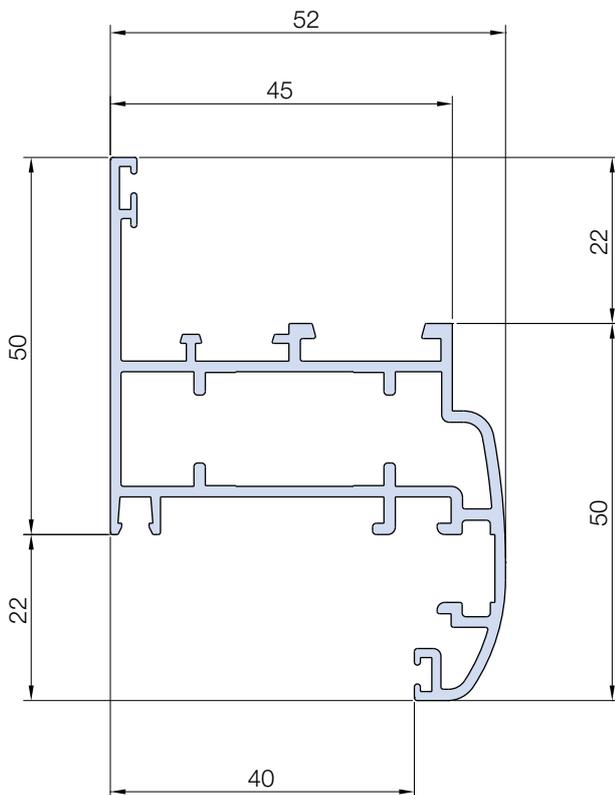
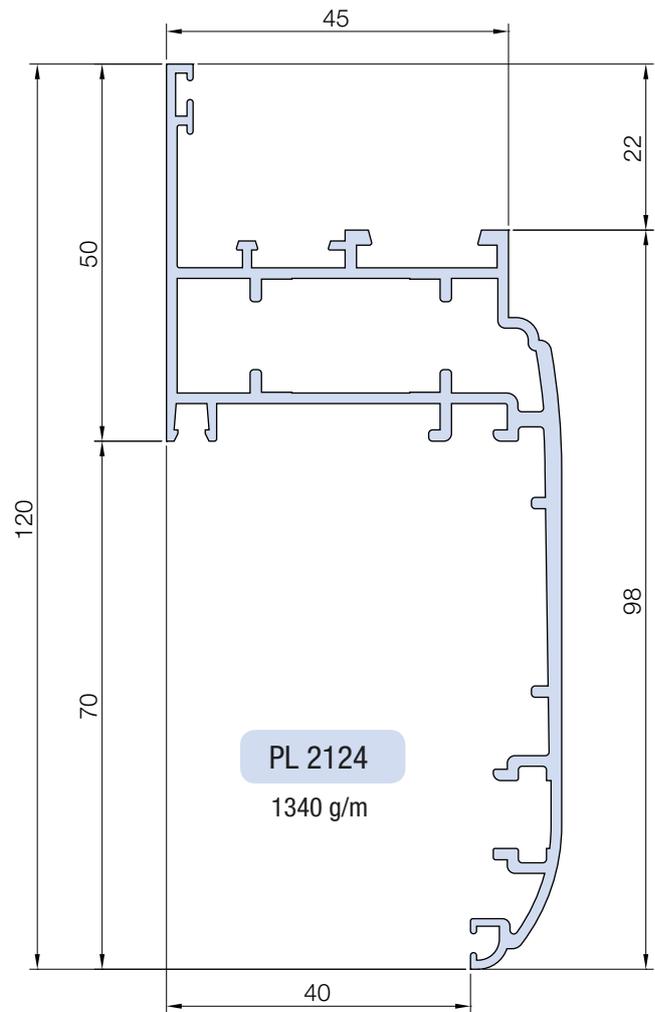
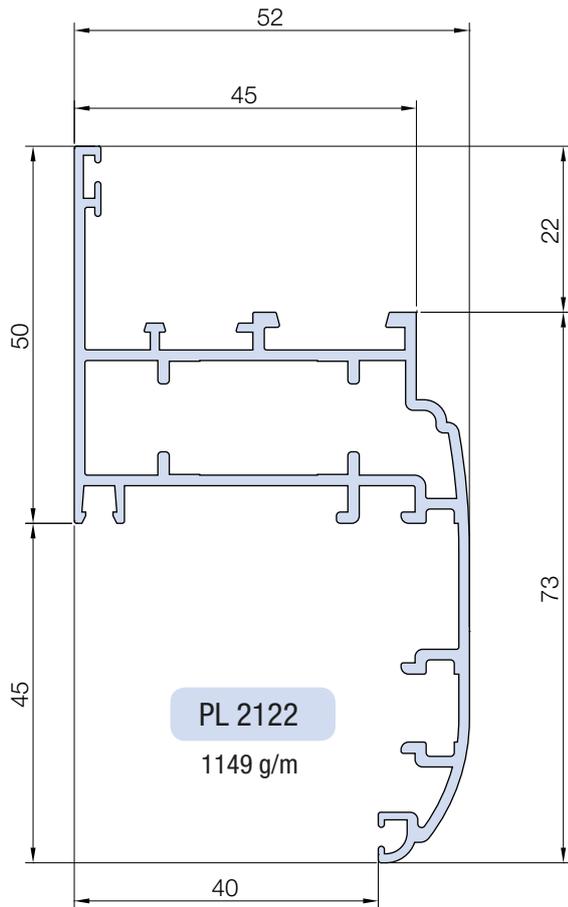
|  | Sagoma  | Art.    | Descrizione  | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|---------|--|-----------|--|
|    |    | PL 1525 | Fermavetro raggiato da 24,5mm<br><i>24,5mm rounded glazing bead</i>  | 290       | -<br>-                                     |
|    |    | PL 1528 | Fermavetro raggiato da 27,5mm<br><i>27,5mm rounded glazing bead</i>  | 301       | -<br>-                                     |
|    |    | PL 1532 | Fermavetro raggiato da 31,7mm<br><i>31,7mm rounded glazing bead</i>  | 317       | -<br>-                                     |
|   |   | PL 1818 | Fermavetro smussato da 17,5mm<br><i>17,5mm bevelled glazing bead</i> | 236       | -<br>-                                     |
|  |  | PL 1821 | Fermavetro smussato da 21mm<br><i>21mm bevelled glazing bead</i>     | 258       | -<br>-                                     |
|  |  | PL 1825 | Fermavetro smussato da 24,5mm<br><i>24,5mm bevelled glazing bead</i> | 270       | -<br>-                                     |
|  |  | PL 1828 | Fermavetro smussato da 27,5mm<br><i>27,5mm bevelled glazing bead</i> | 279       | -<br>-                                     |
|  |  | PL 1832 | Fermavetro smussato da 31,7mm<br><i>31,7mm bevelled glazing bead</i> | 296       | -<br>-                                     |
|  |  | PL 1928 | Fermavetro modanato da 27,5mm<br><i>27,5mm molded glazing bead</i>   | 298       | -<br>-                                     |

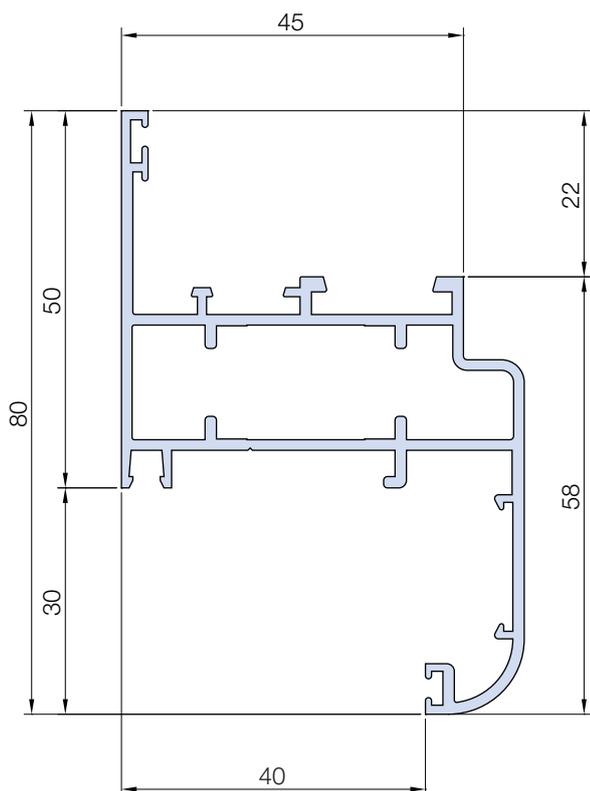
ELENCO PROFILI  
*List of profiles*

|  | Sagoma  | Art.    | Descrizione   | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|---------|---|-----------|--|
|    |    | PL 1932 | Fermavetro modanato da 31,7mm<br><i>31,7mm molded glazing bead</i>    | 317       | -<br>-                                     |
|    |    | PL 1325 | Fermavetro Easysun da 24,5mm<br><i>24,5mm Easysun glazing bead</i>    | 348       | -<br>-                                     |
|    |    | PL 4018 | Porta spazzolino<br><i>Brush strip profile</i>                        | 340       | -<br>-                                     |
|   |   | R 3521  | Doga sezione 20mm per 120mm<br><i>Crossbead 20x120mm</i>              | 1001      | -<br>-                                     |
|  |  | AS 1000 | Astina<br><i>Small rod</i>  | 119       | -<br>-                                     |
|  |  | AS1001R | Gocciolatoio<br><i>Drip</i>   | 127       | -<br>-                                     |
|  |  | AS 4864 | Cassonetto inferiore e superiore<br><i>Top and bottom shutter-box</i> | 1218      | -<br>-                                     |
|  |  | AS 4865 | Cassonetto frontale<br><i>Front shutter-box</i>                       | 1110      | -<br>-                                     |
|  |  | AS48111 | Scuretto<br><i>Shutter</i>  | 555       | -<br>-                                     |

|  | Sagoma  | Art.    | Descrizione  | Peso<br>gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|--|---|---------|--|--------------|--|
|  |  | AS48167 | Profilo copricava bombato<br>per monoblocco<br><i>Convex cable cover profile for single-unit</i> | 160          | -<br>-                                     |
|  |  | 1484    | Doga sezione 19,5mm per<br>100mm<br><i>Crossbeam 19,5x100mm</i>                                  | 982          | -<br>-                                     |
|  |  | ET00633 | Scuretto piccolo<br><i>Small shutter</i>   | 390          | -<br>-                                     |

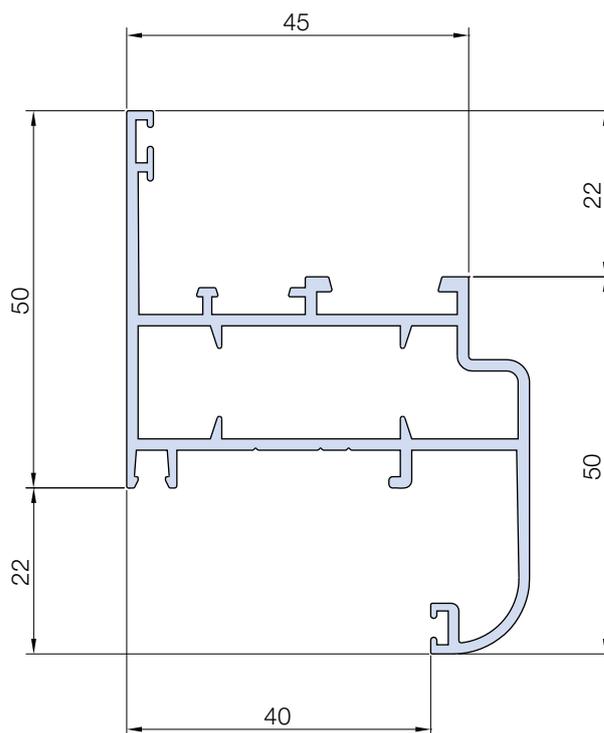






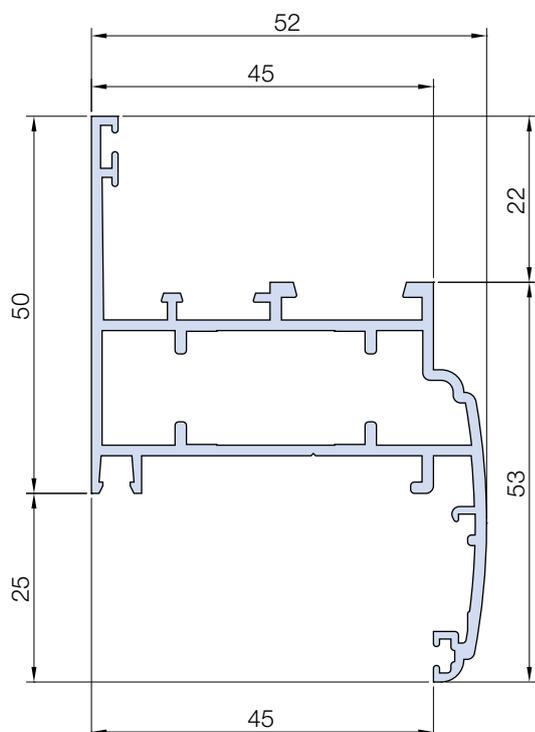
**PL 20121**

1053 g/m



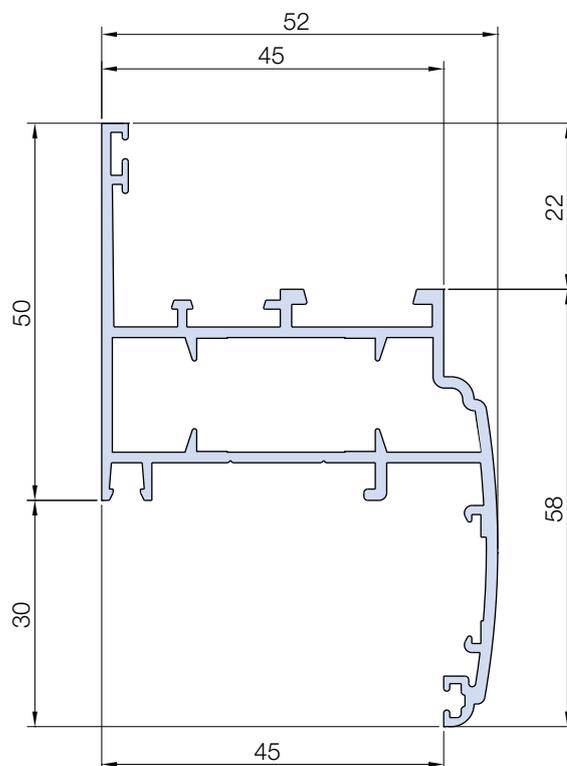
**PL 20102**

1015 g/m



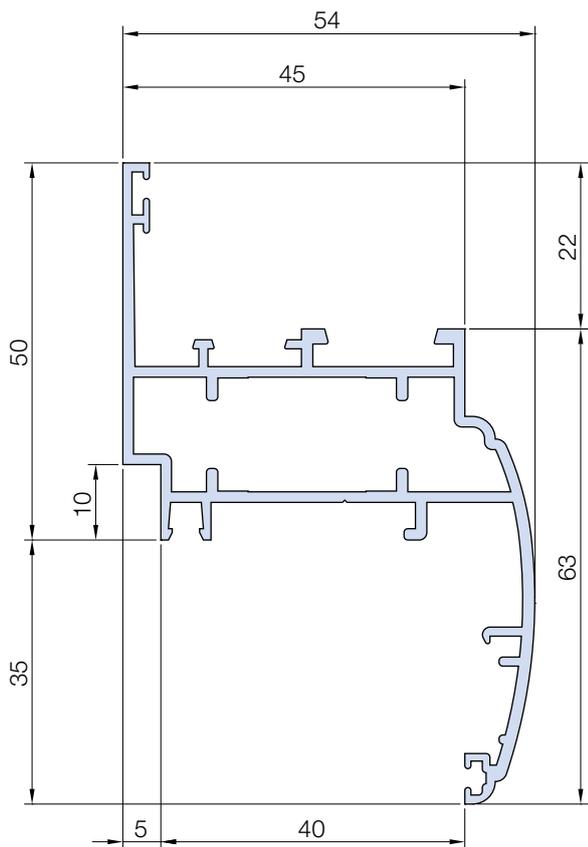
**PL 2104**

980 g/m



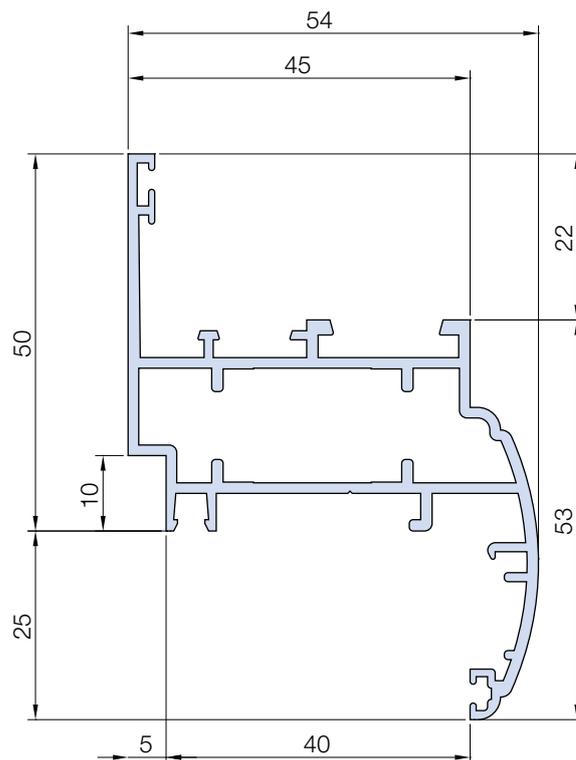
**PL 2121**

1001 g/m



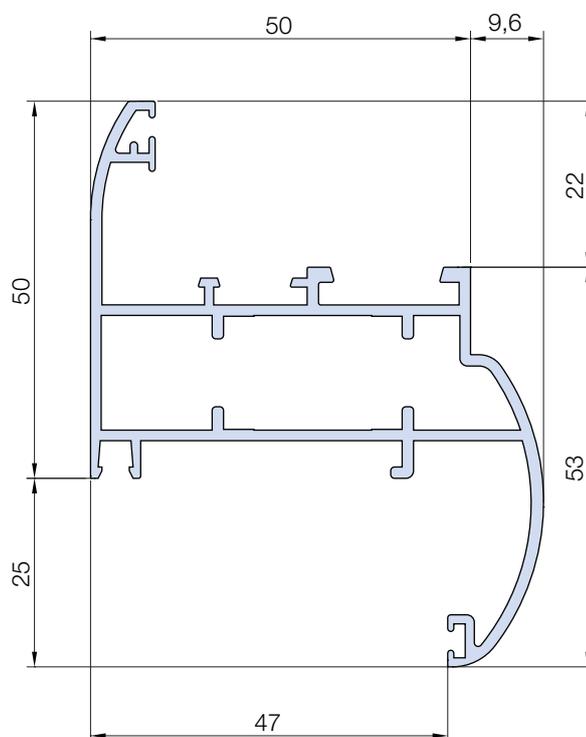
**PL 2105**

1050 g/m



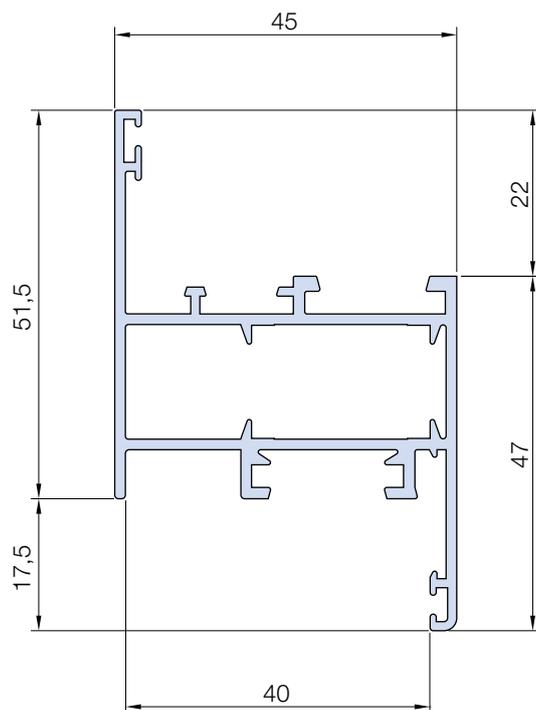
**PL 2108**

1006 g/m



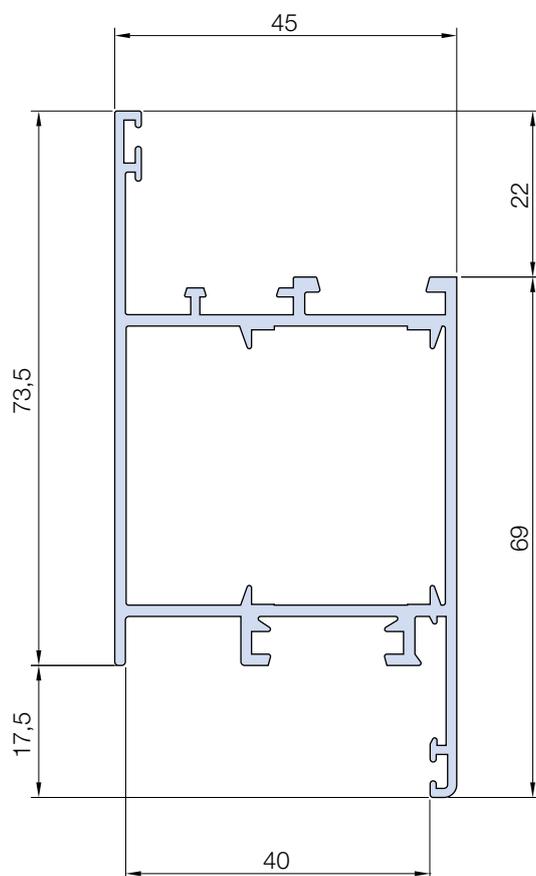
**PL 2008**

1064 g/m



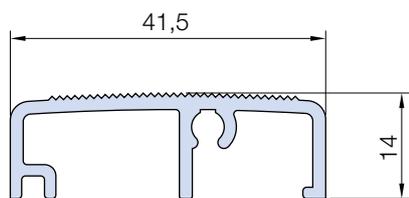
PL 2050

914 g/m



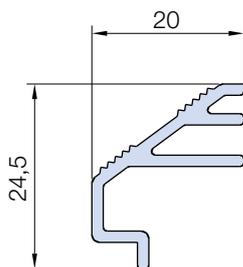
PL 2035

1176 g/m



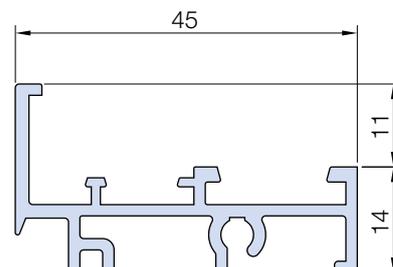
**PL 2099**

511 g/m



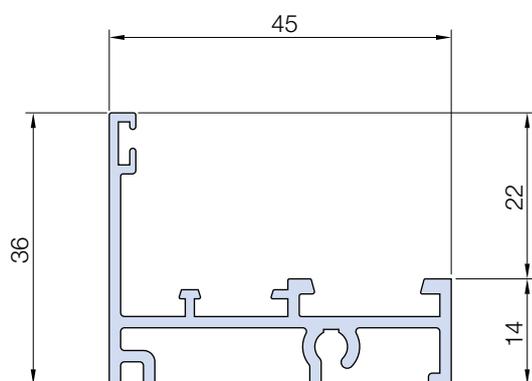
**PL 20126**

260 g/m



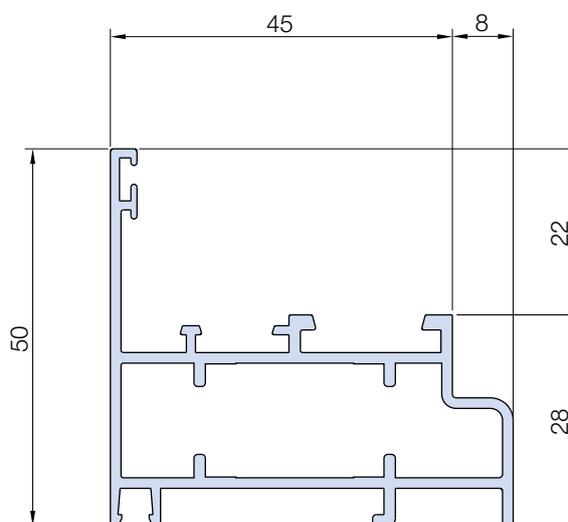
**PL 20127**

500 g/m



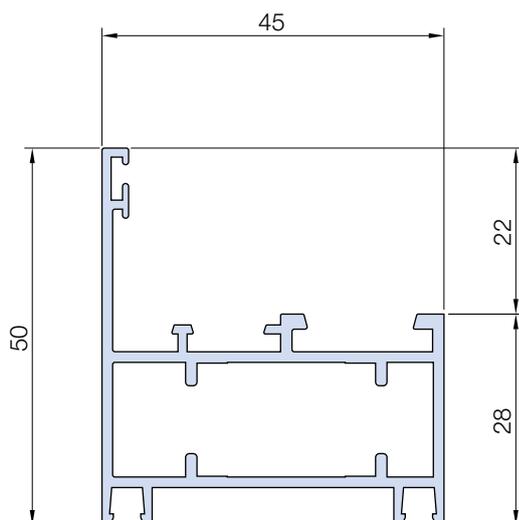
**PL 2006**

537 g/m



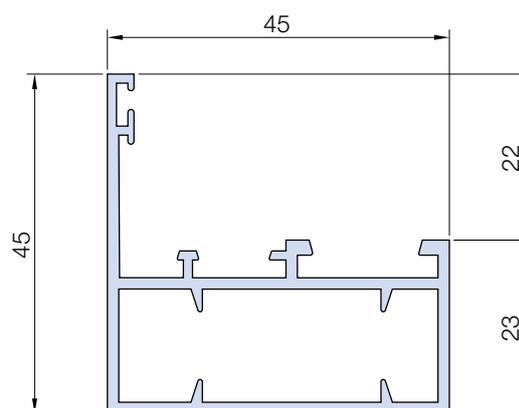
**PL 20103**

885 g/m



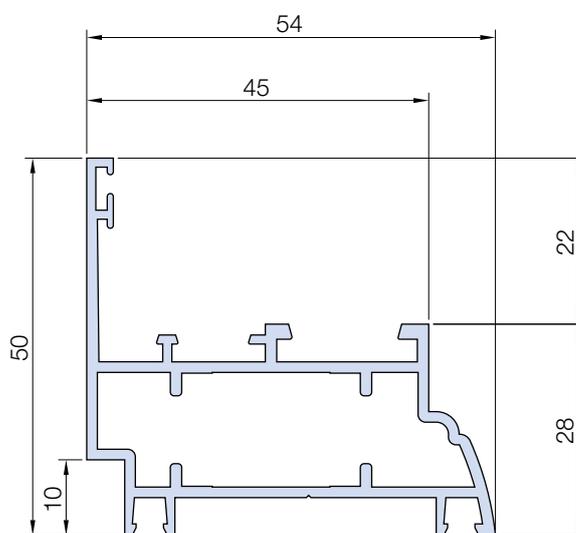
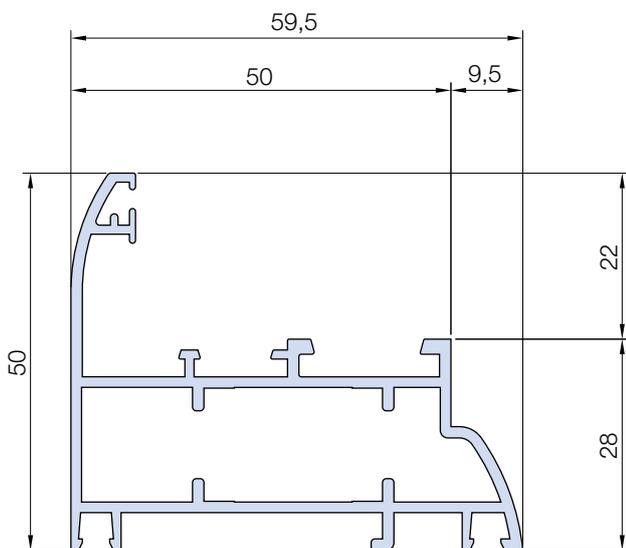
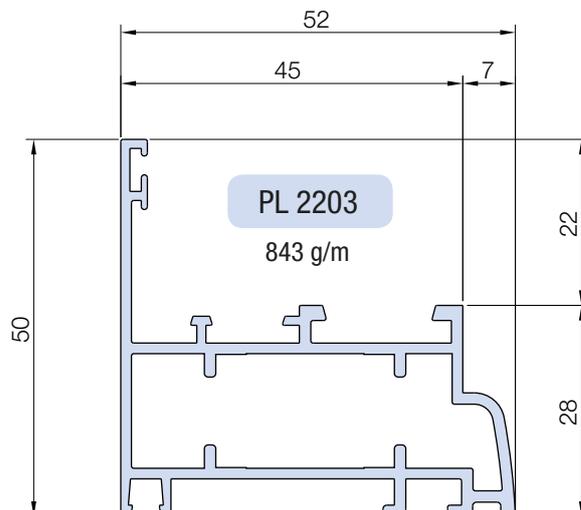
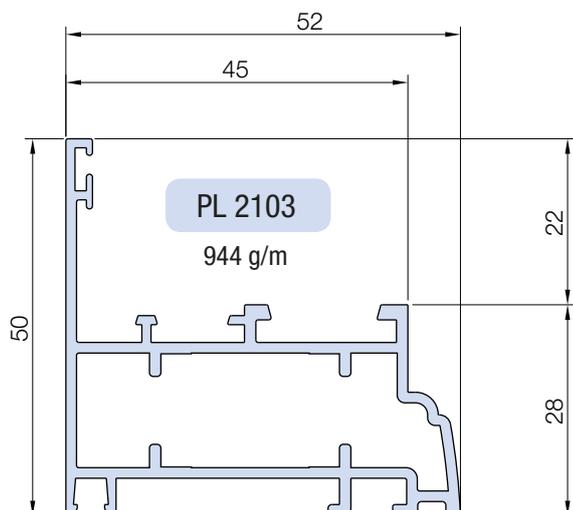
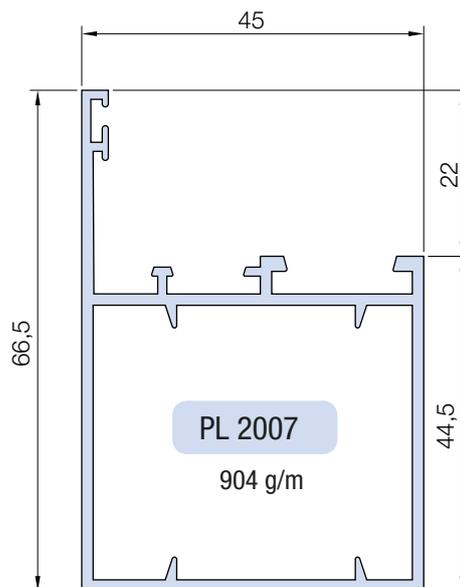
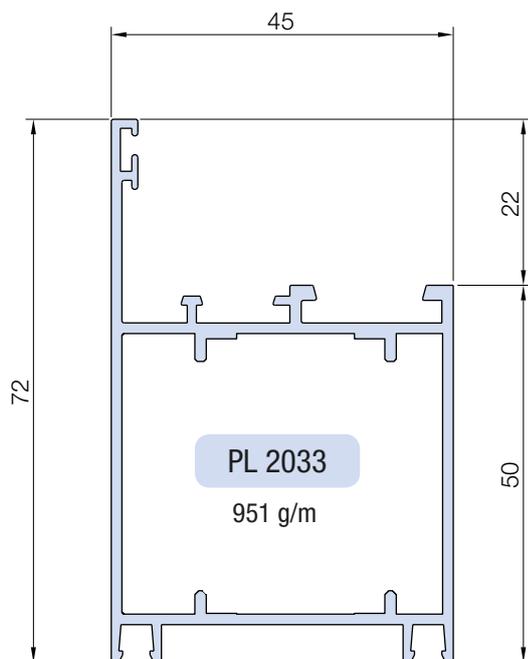
**PL 2003**

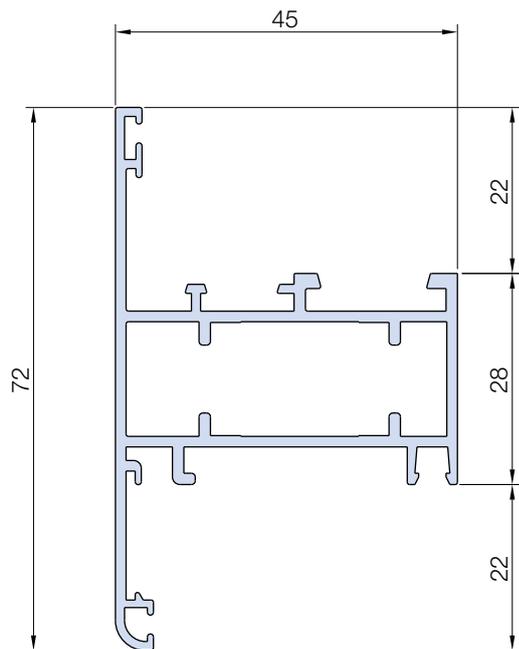
774 g/m



**PL 2004**

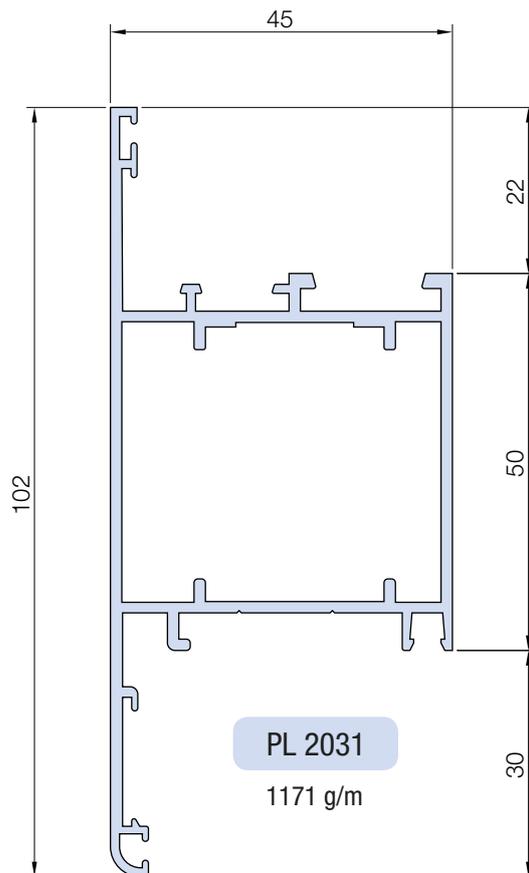
731 g/m





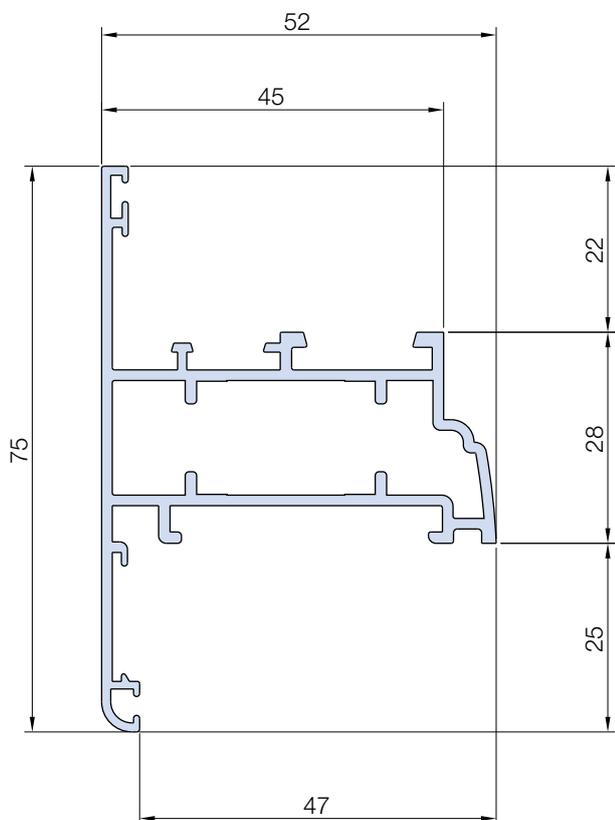
**PL 2001**

897 g/m



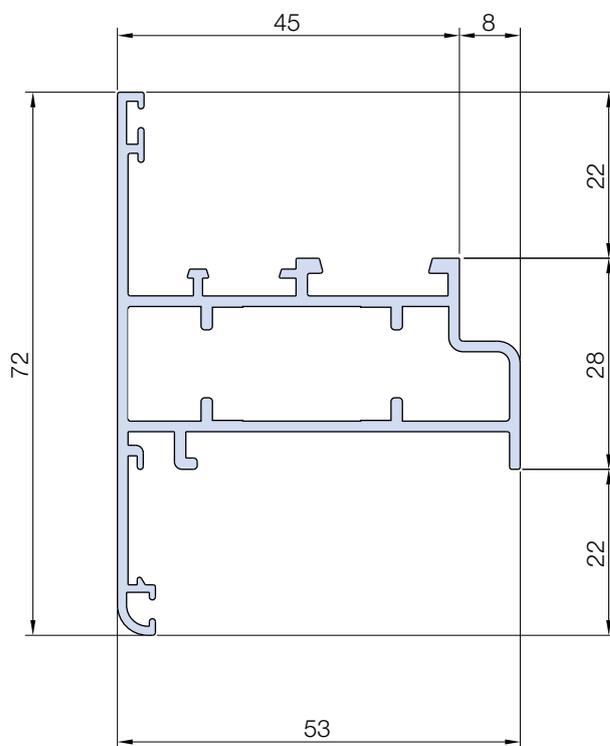
**PL 2031**

1171 g/m



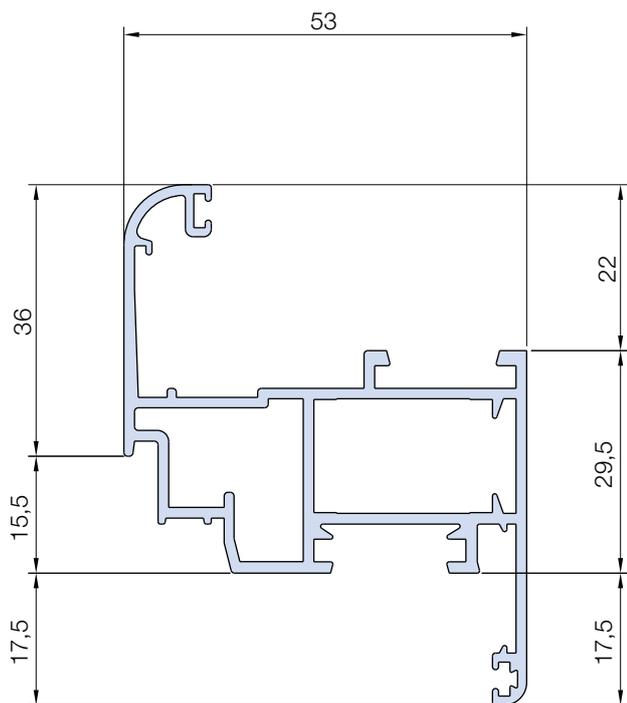
**PL 2101**

953 g/m



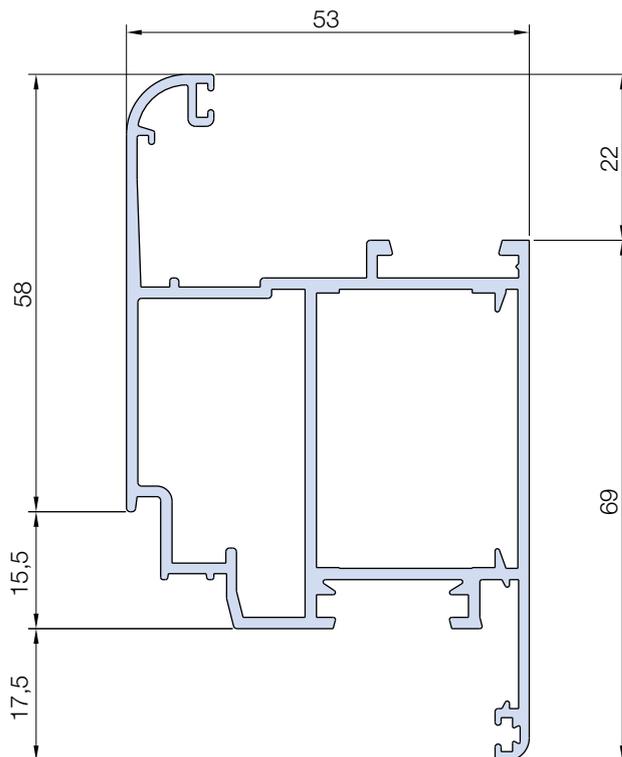
**PL 20101**

951 g/m



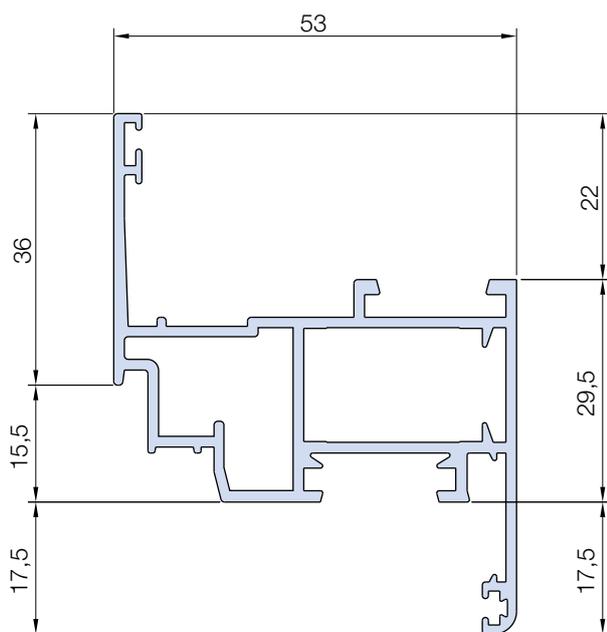
**PL 2012**

1060 g/m



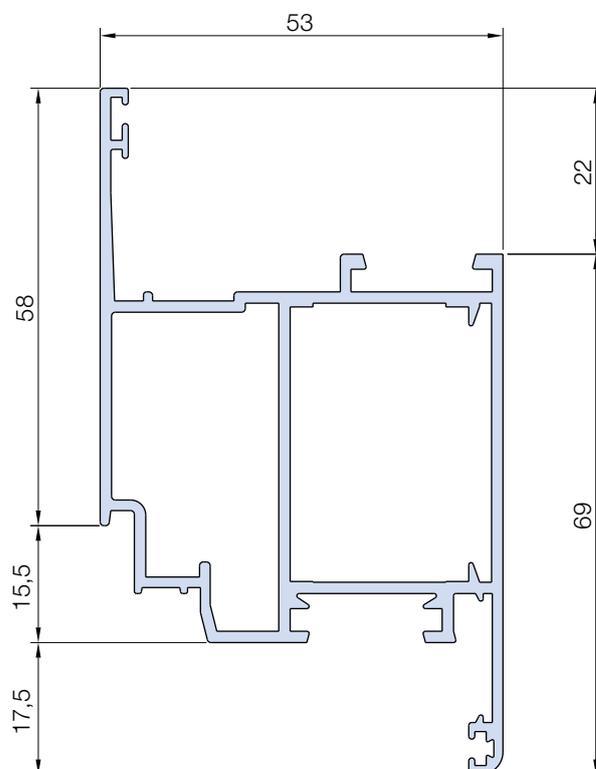
**PL 2017**

1321 g/m



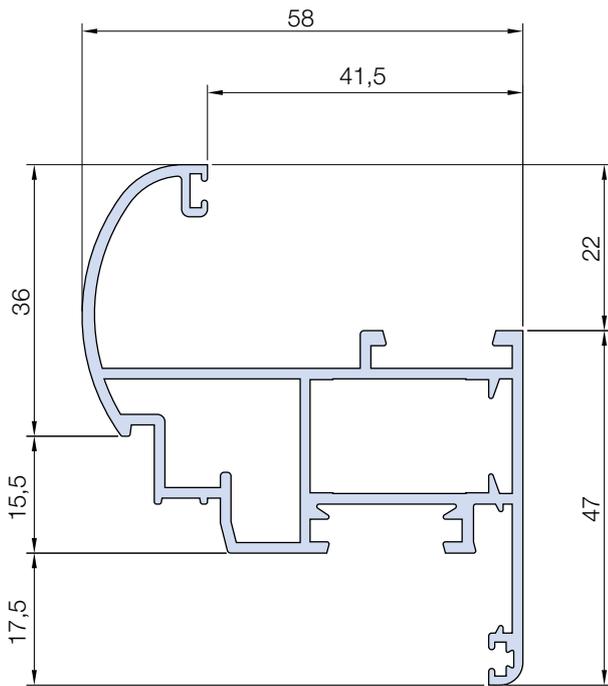
**PL 2011**

996 g/m

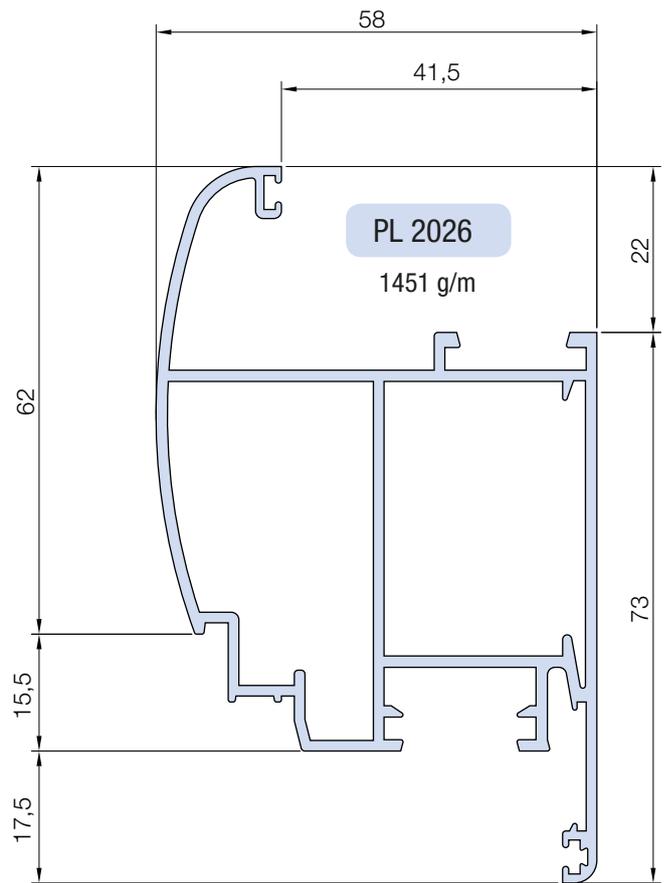


**PL 2016**

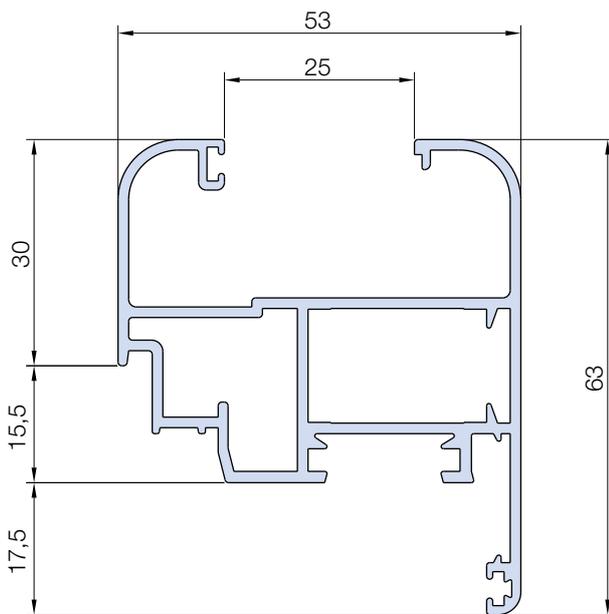
1303 g/m



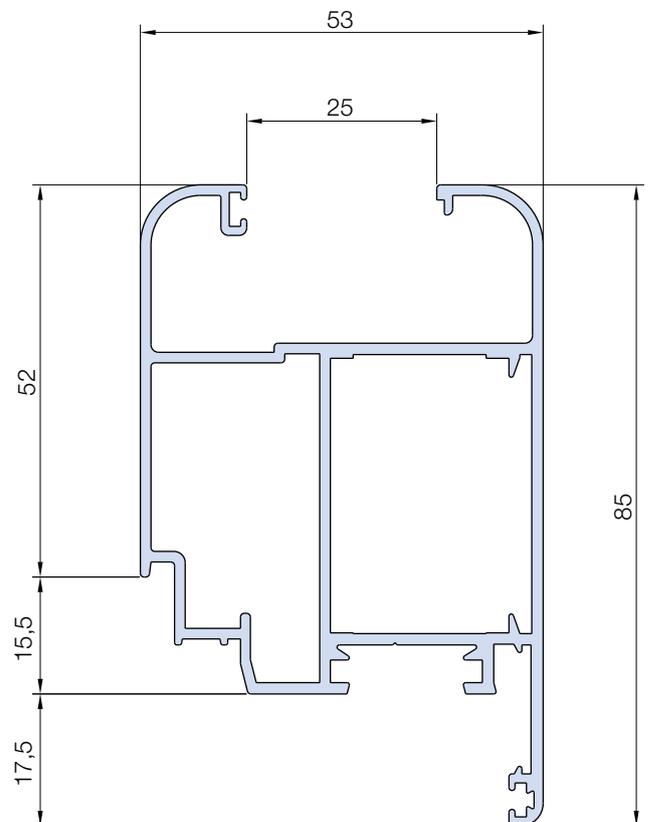
**PL 2025**  
1087 g/m



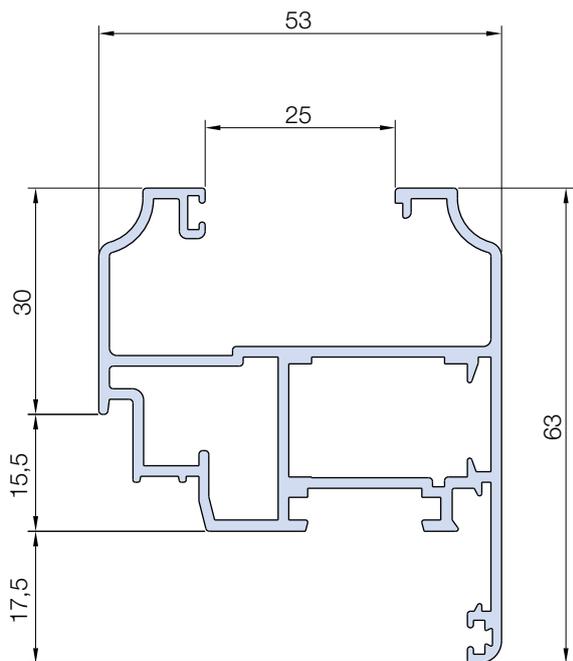
**PL 2026**  
1451 g/m



**PL 2051**  
1122 g/m

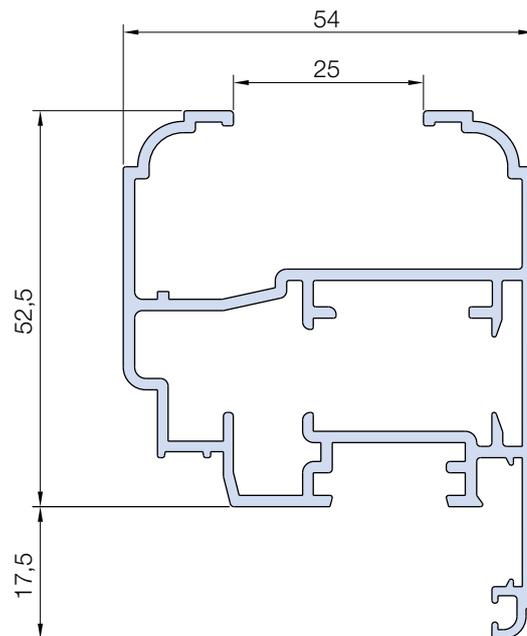


**PL 2018**  
1350 g/m



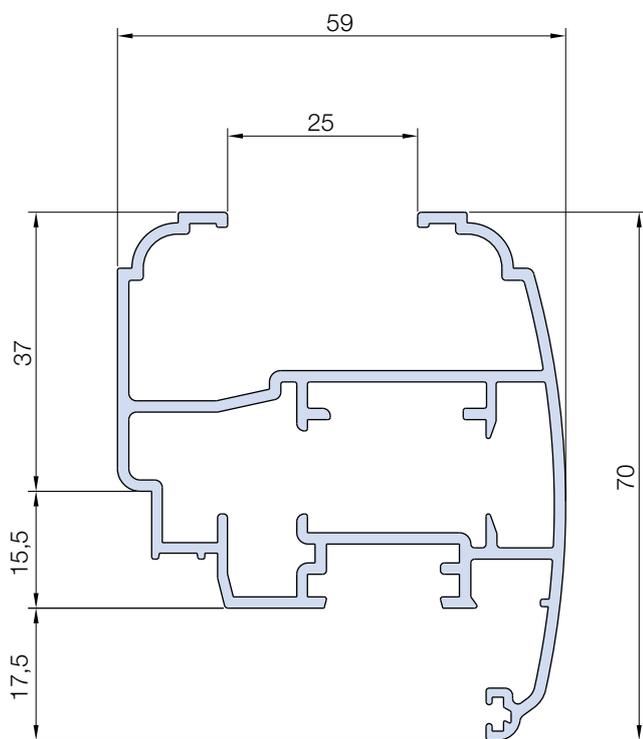
**PL 2857**

1110 g/m



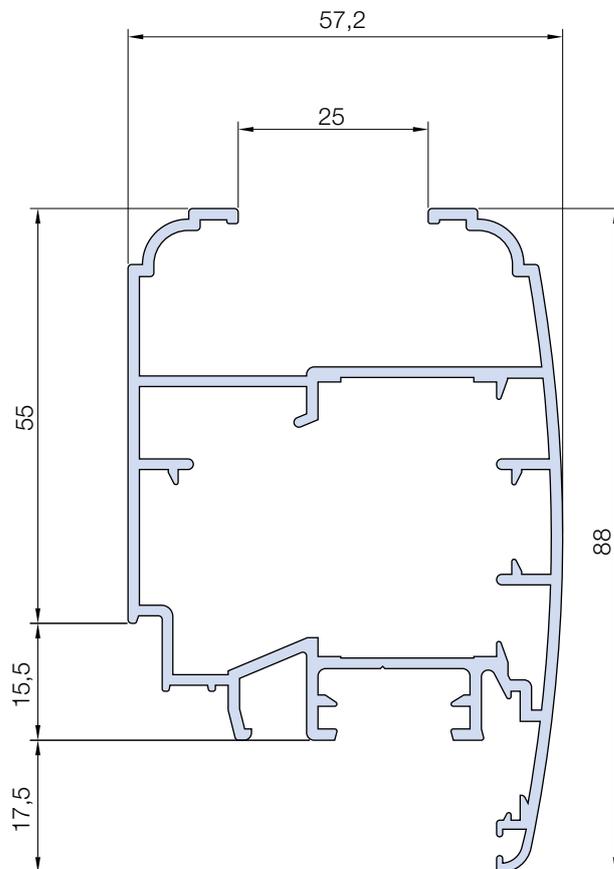
**PL 2151**

1243 g/m



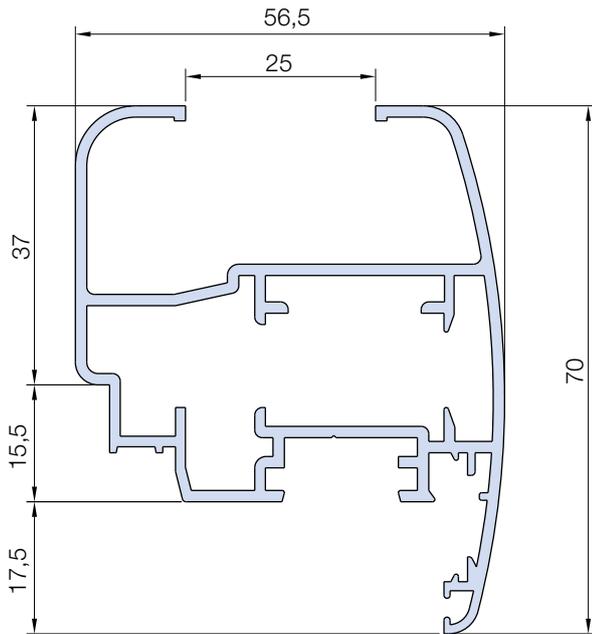
**PL 21151**

1225 g/m



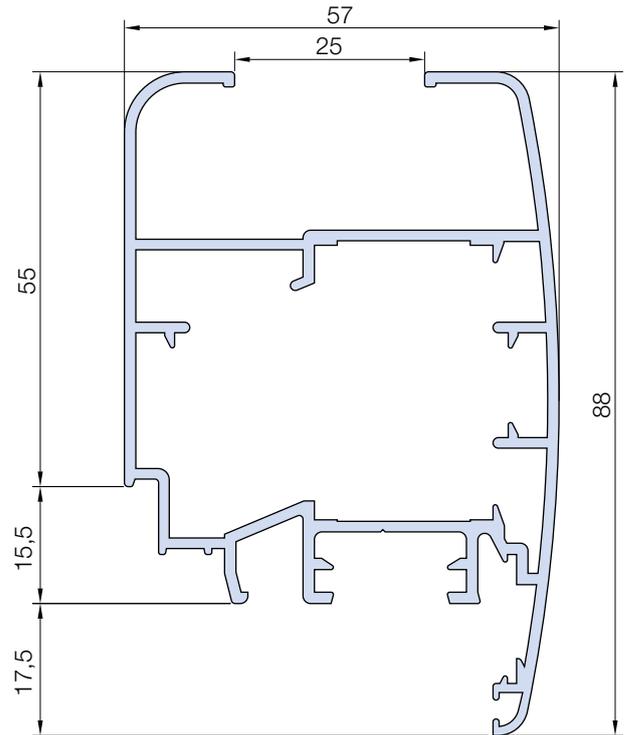
**PL 2028**

1485 g/m



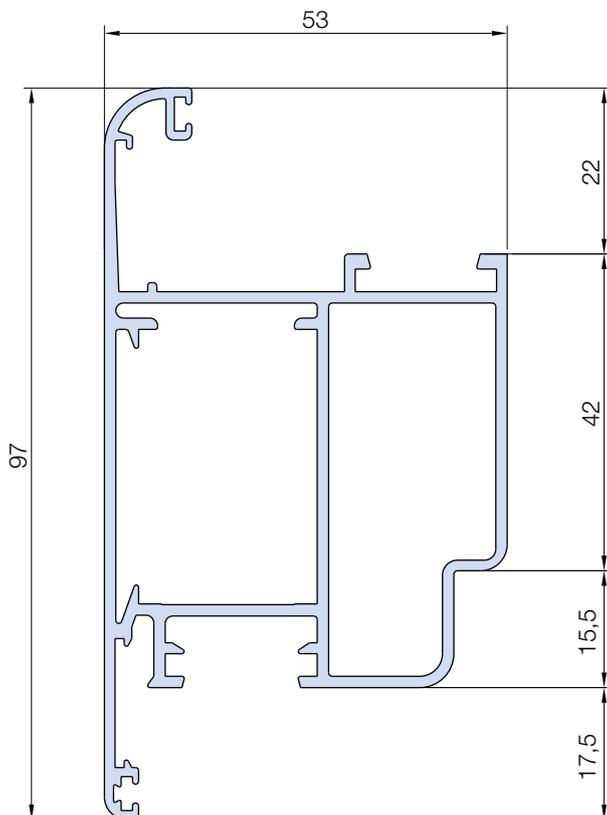
**PL 22151**

1231 g/m



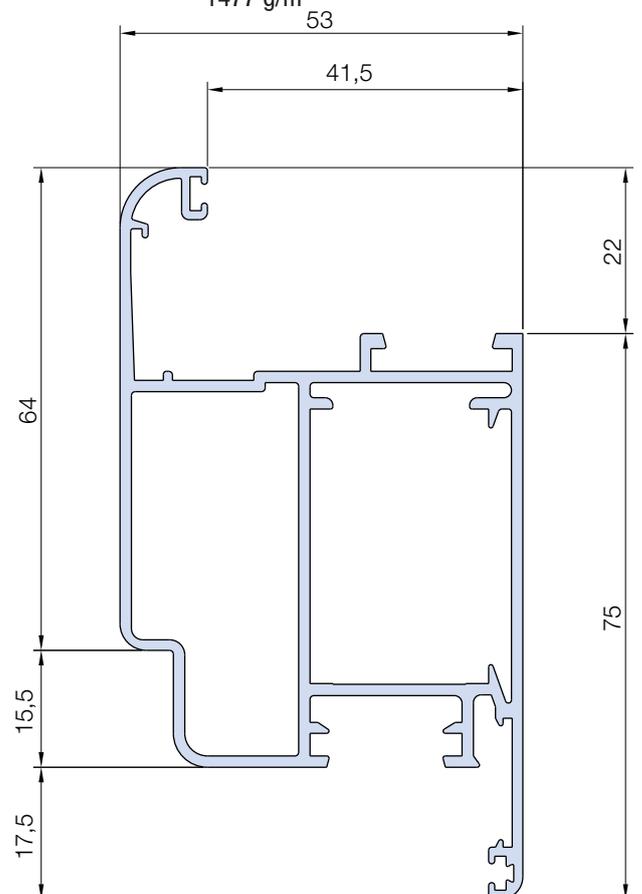
**PL 2034**

1477 g/m



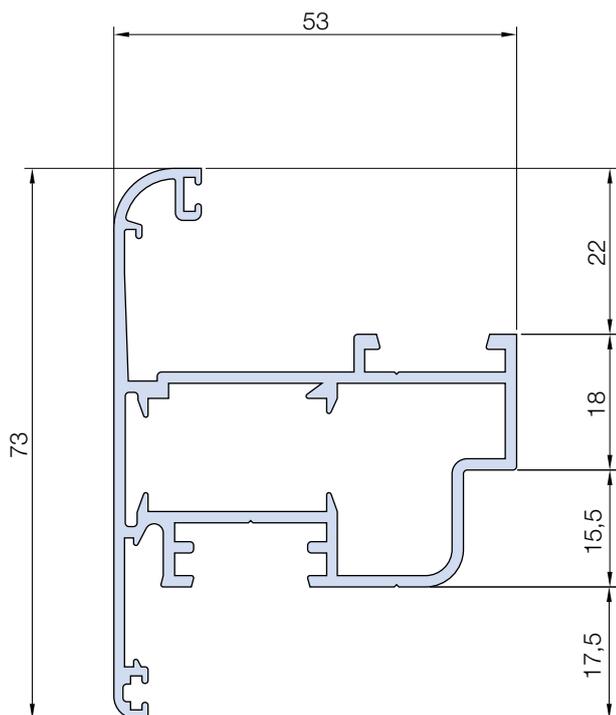
**PL 2336**

1692 g/m



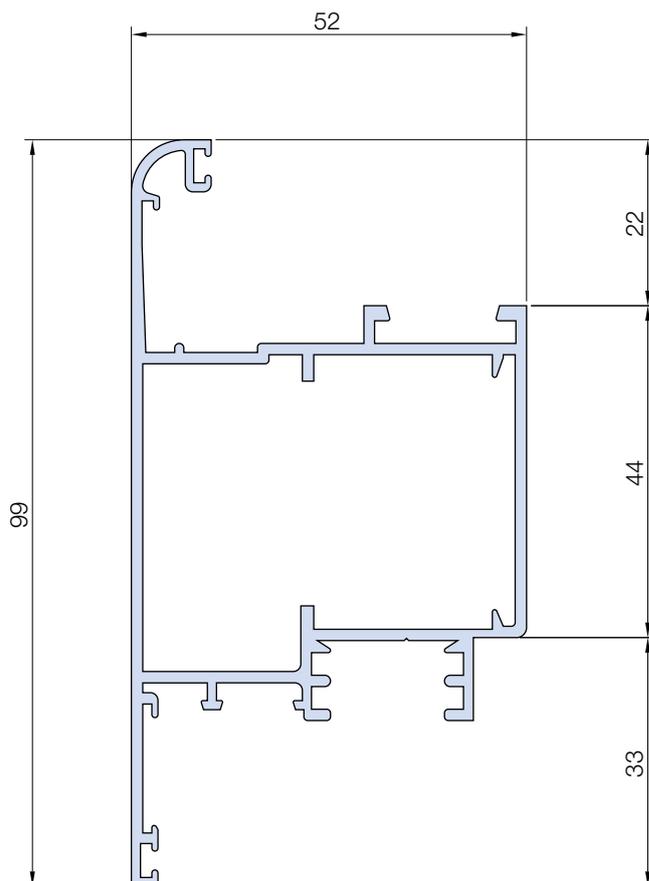
**PL 2337**

1667 g/m



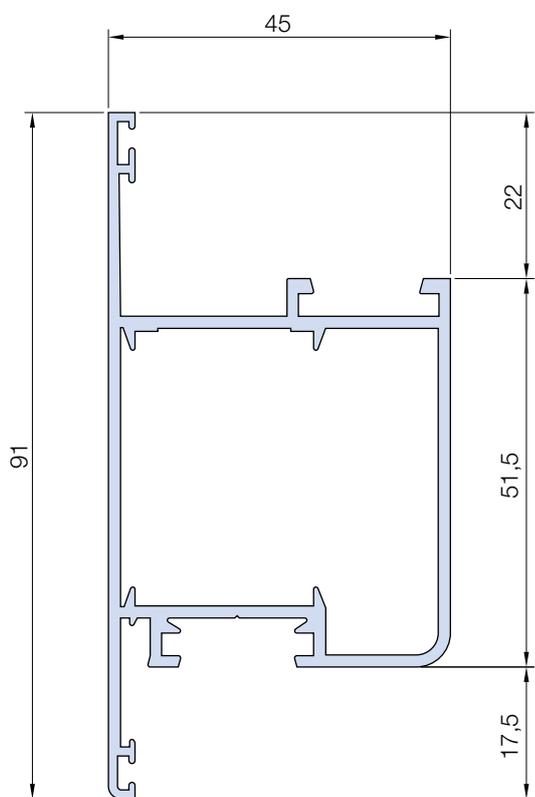
**PL 2056**

1080 g/m



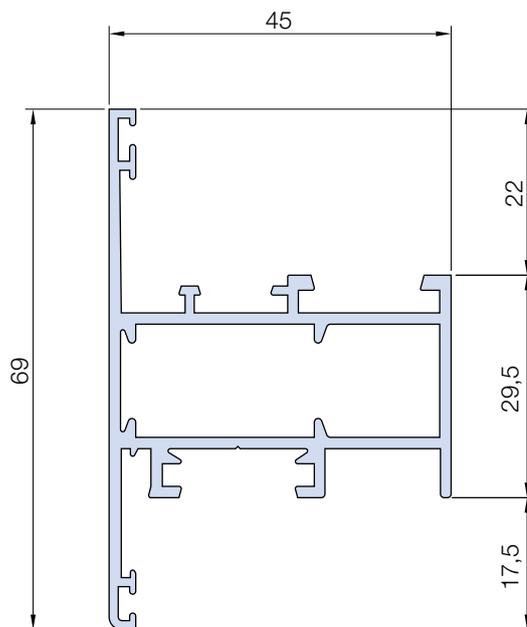
**PL 2019**

1233 g/m



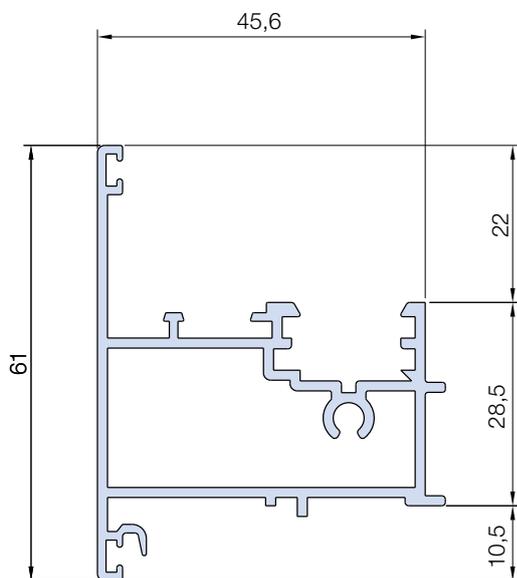
**PL 20136**

1163 g/m



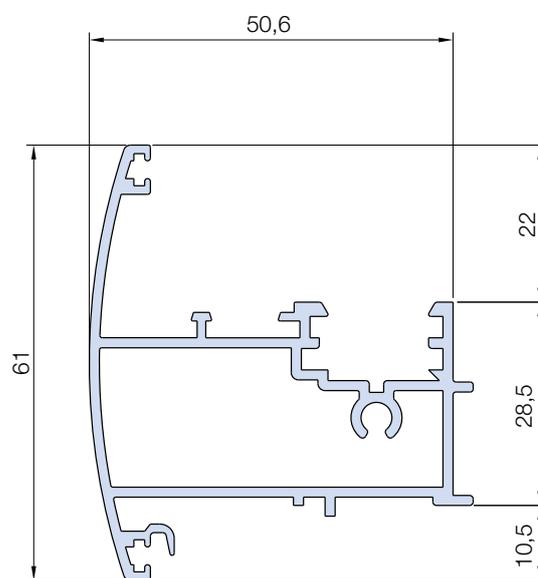
**PL 2042**

954 g/m



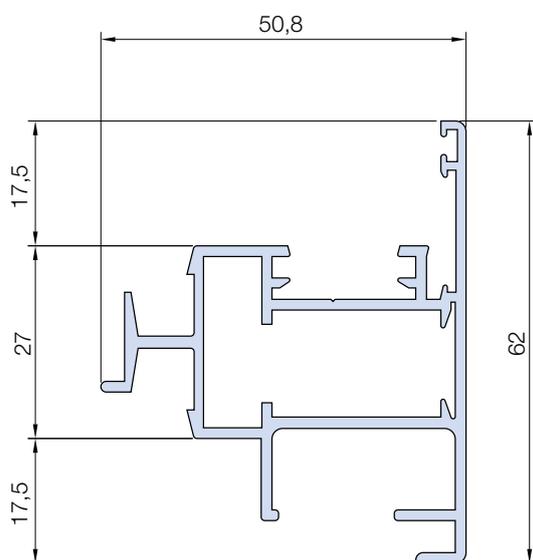
**PL 2013**

918 g/m



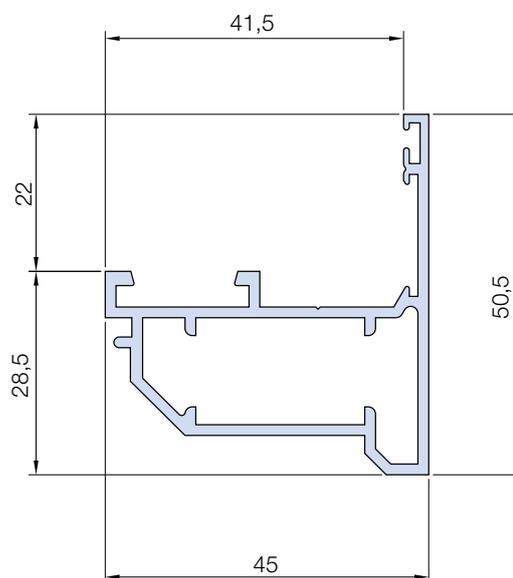
**PL 20113**

984 g/m



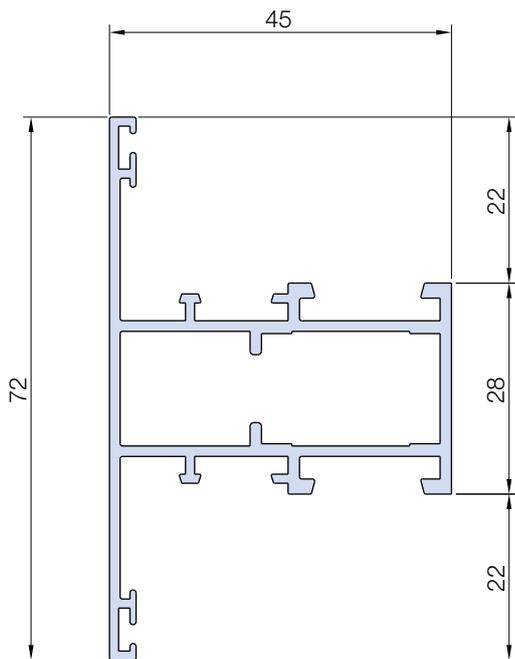
**PL 2014**

959 g/m



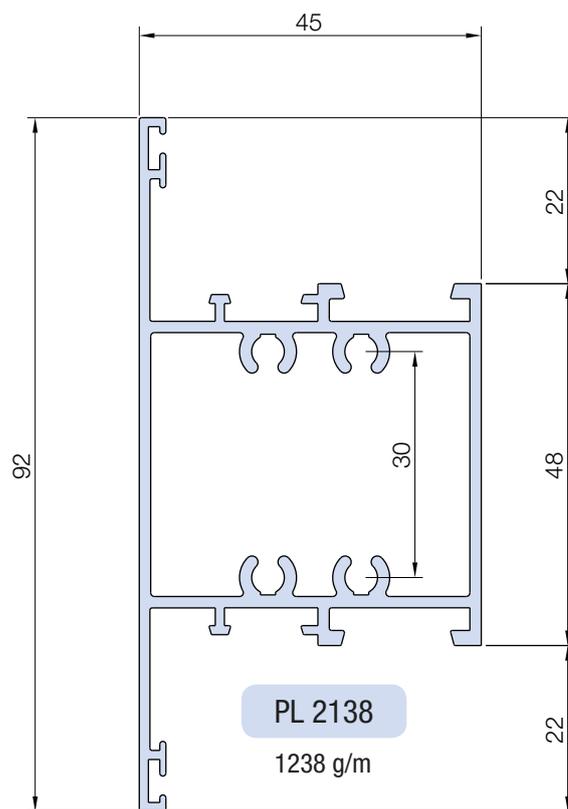
**PL 20120**

745 g/m



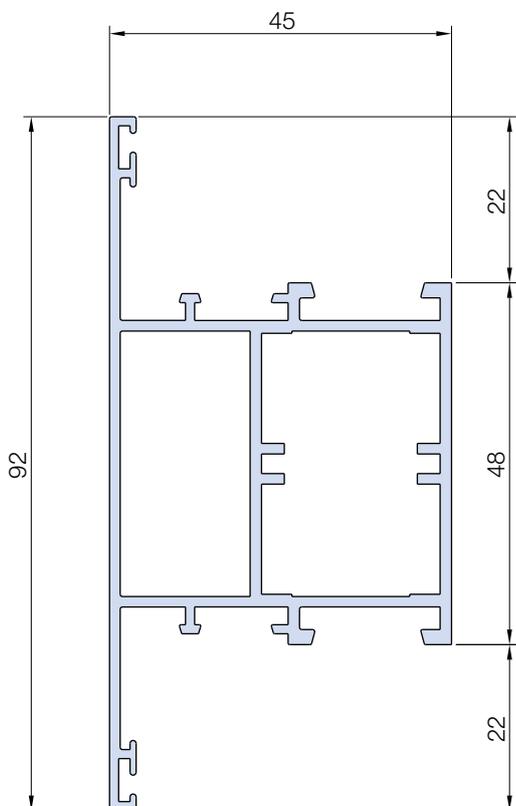
**PL 20138**

911 g/m



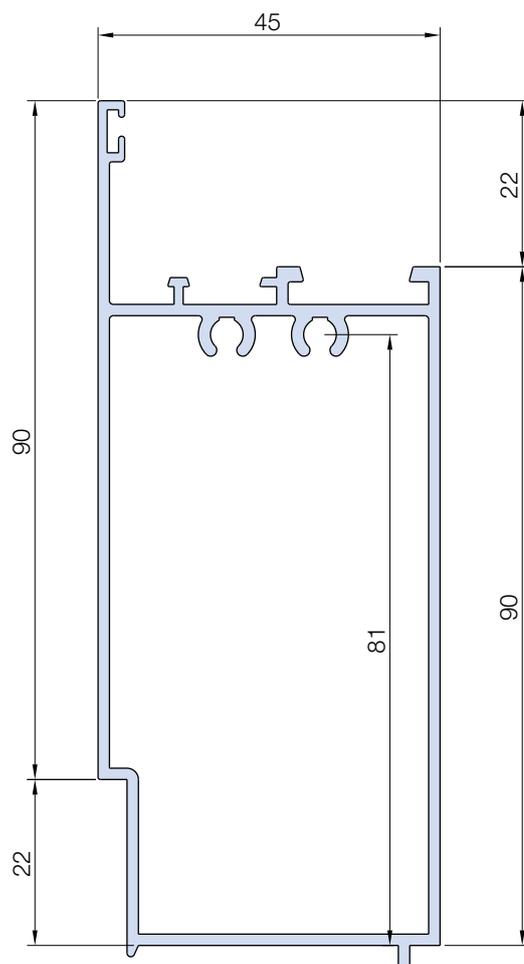
**PL 2138**

1238 g/m



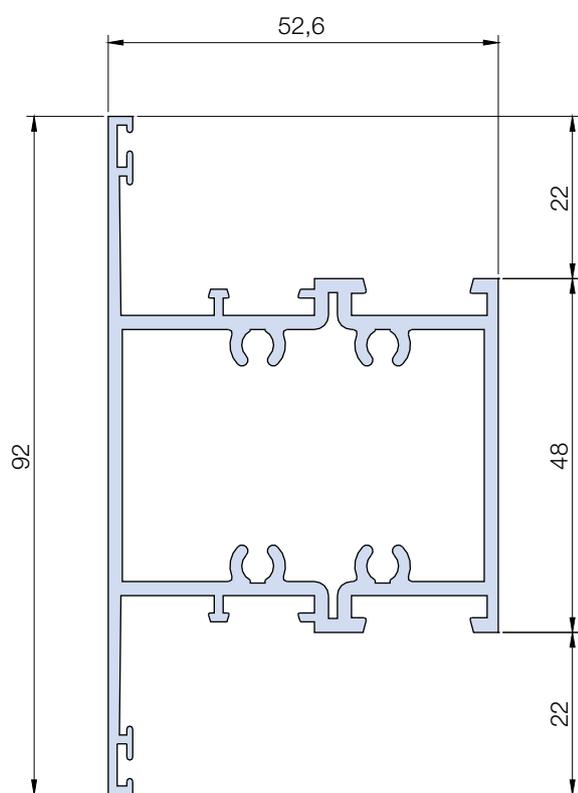
**PL 2038**

1222 g/m



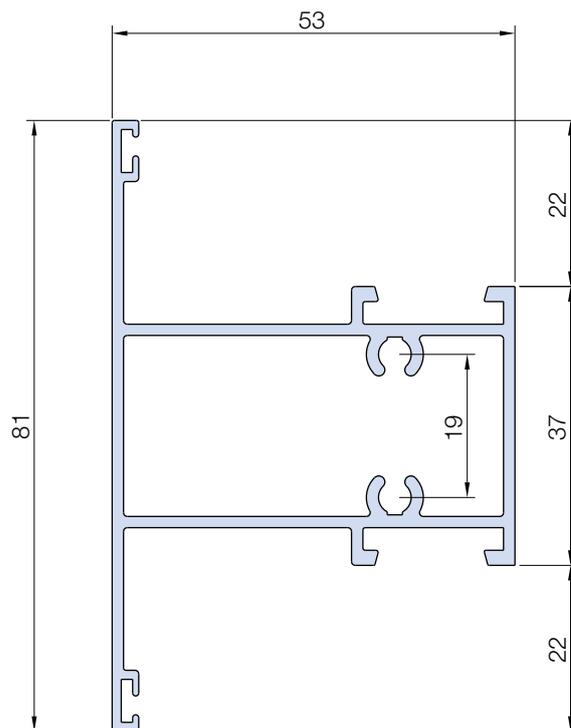
**PL 2047**

1369 g/m



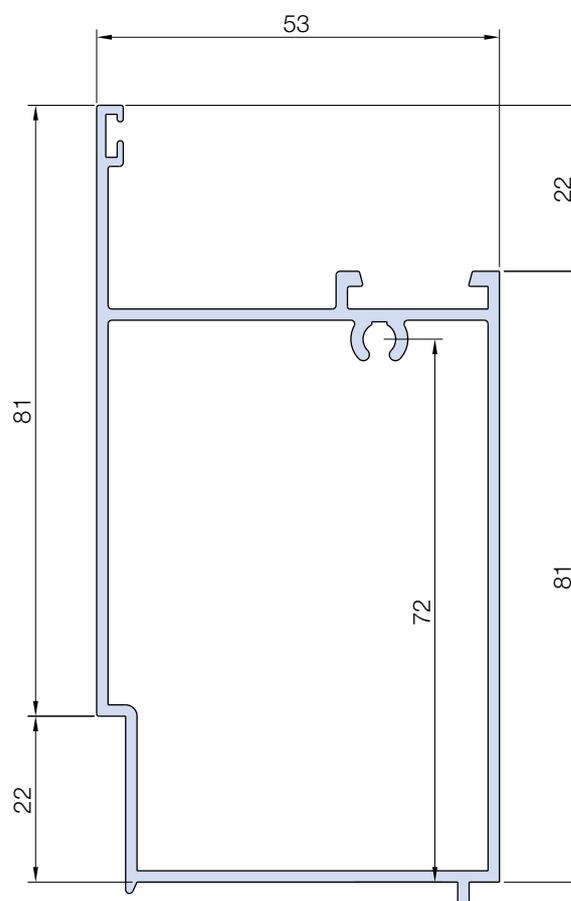
**PL 5338**

1558 g/m



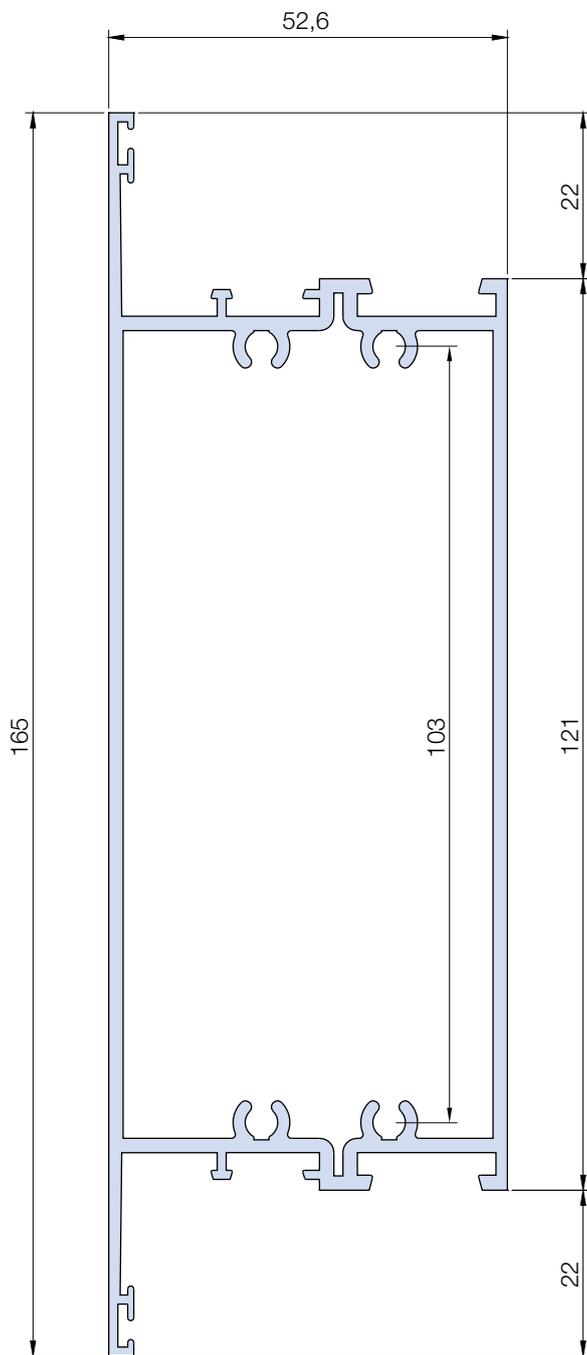
**PL 2096**

1029 g/m



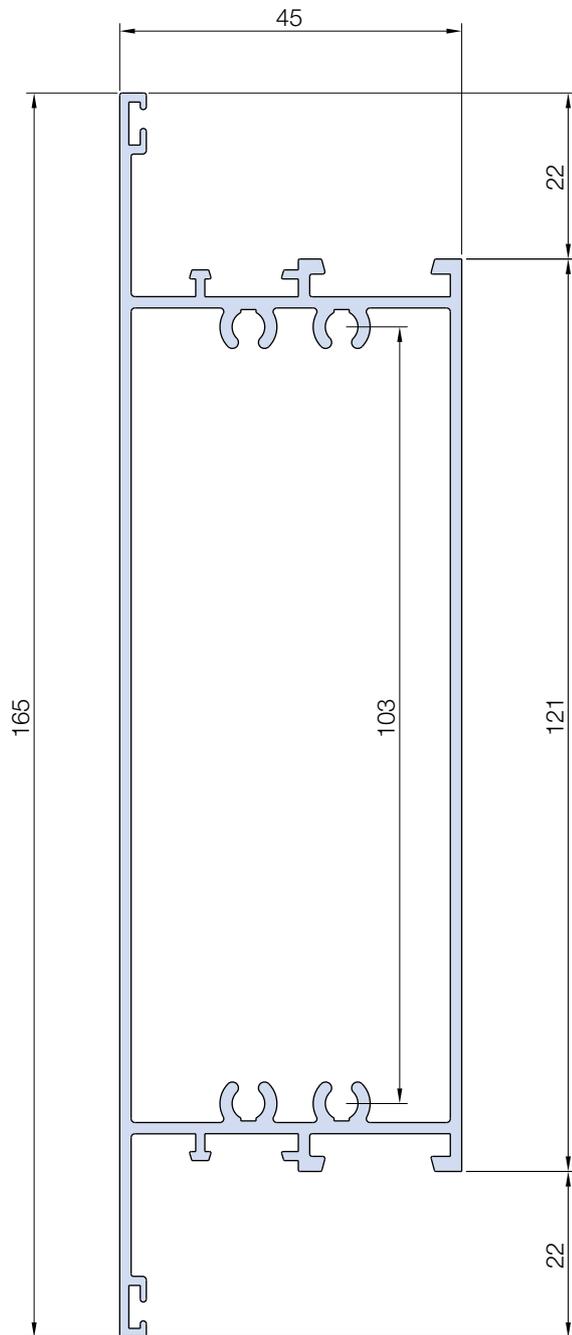
**PL 2048**

1267 g/m



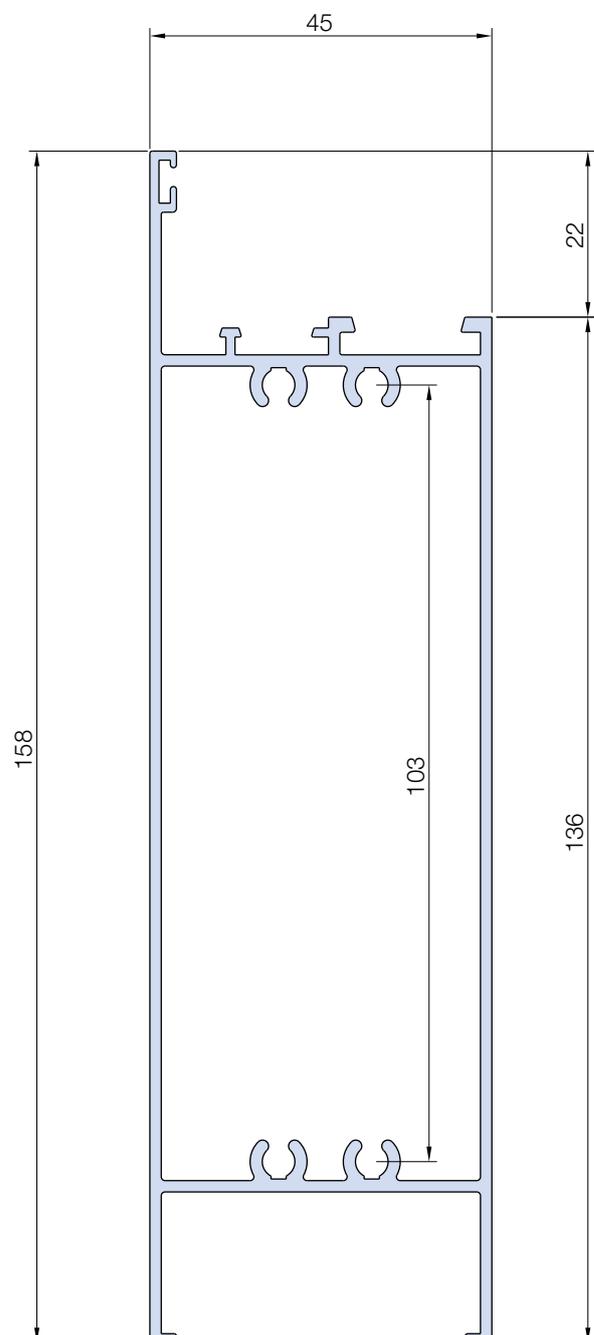
PL 5340

2305 g/m



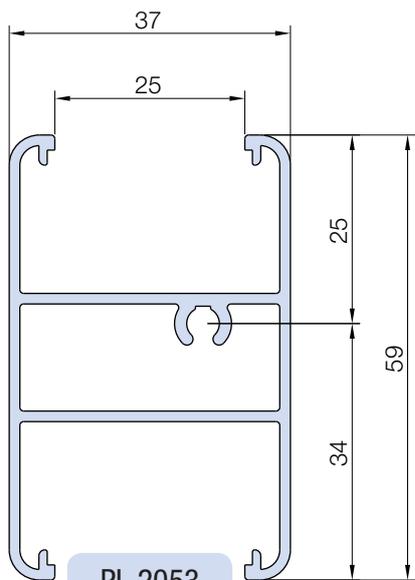
PL 2040

1833 g/m



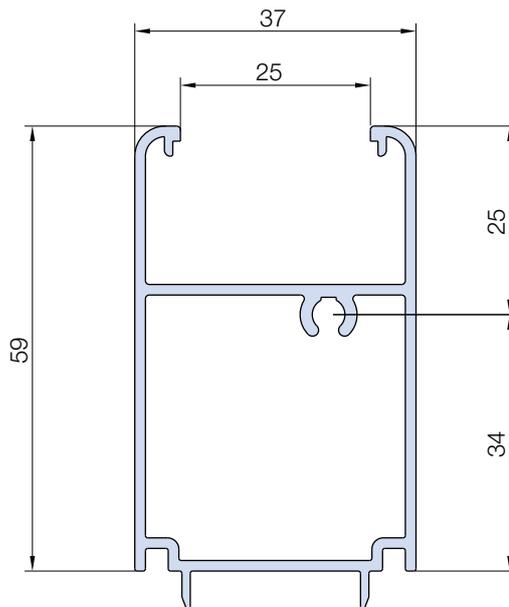
PL 2041

1862 g/m



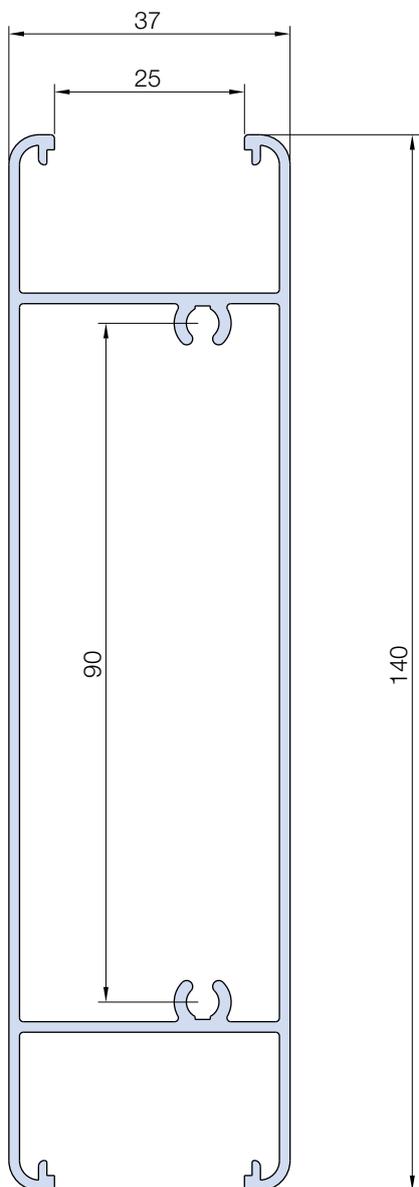
**PL 2053**

846 g/m



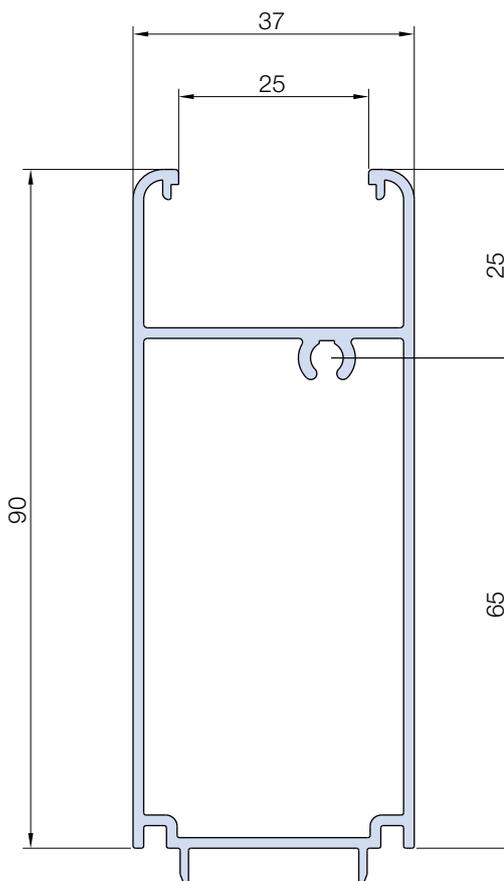
**PL 20248**

847 g/m



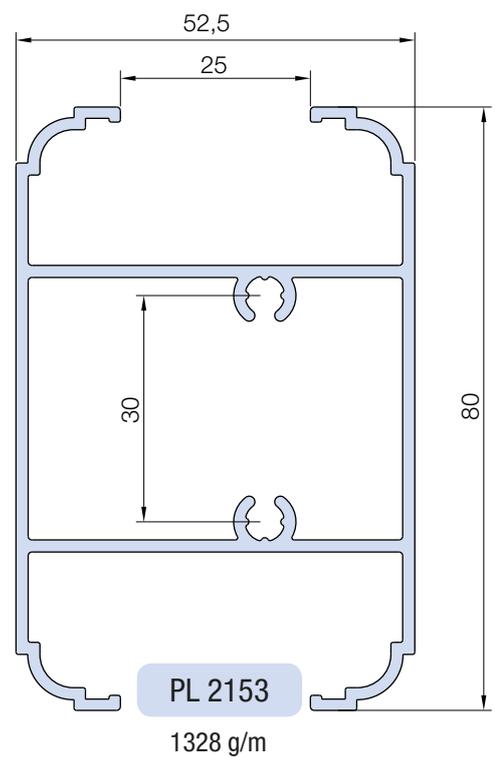
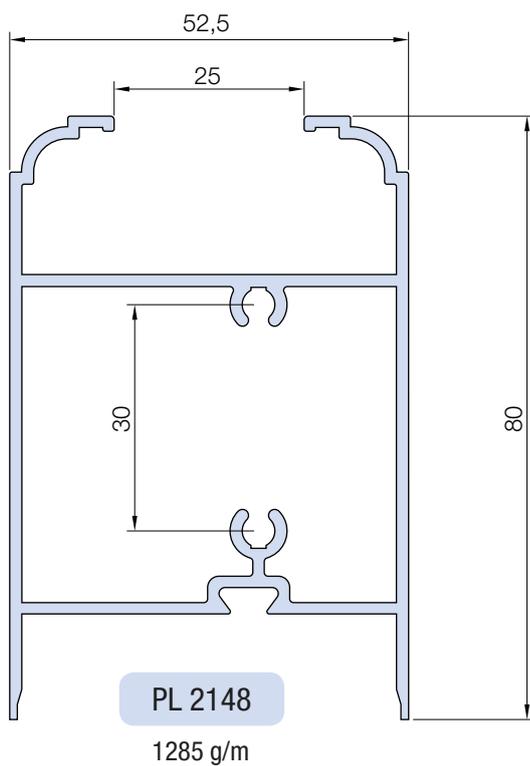
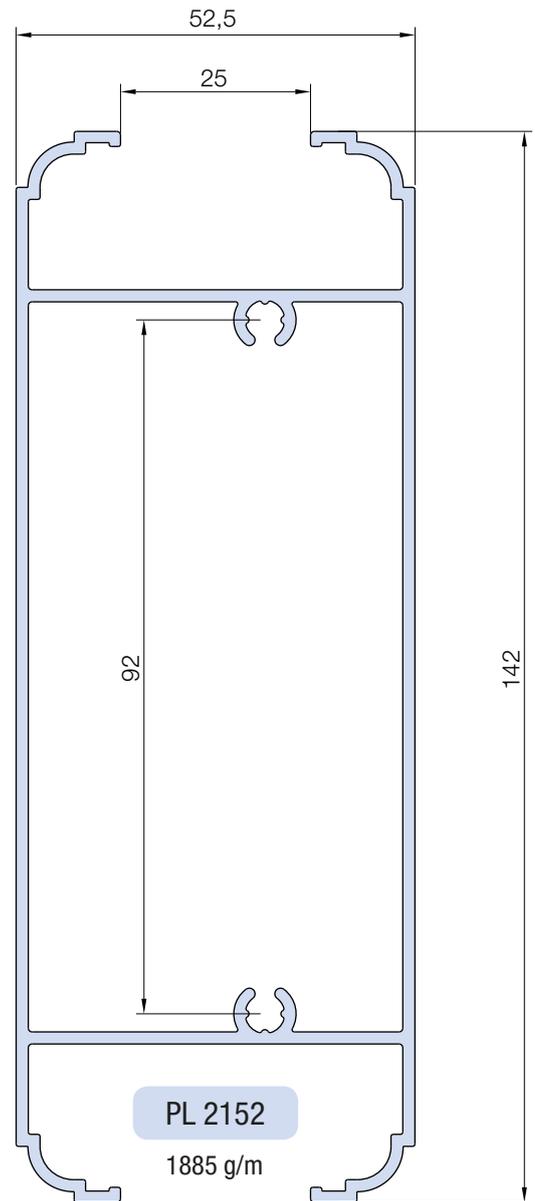
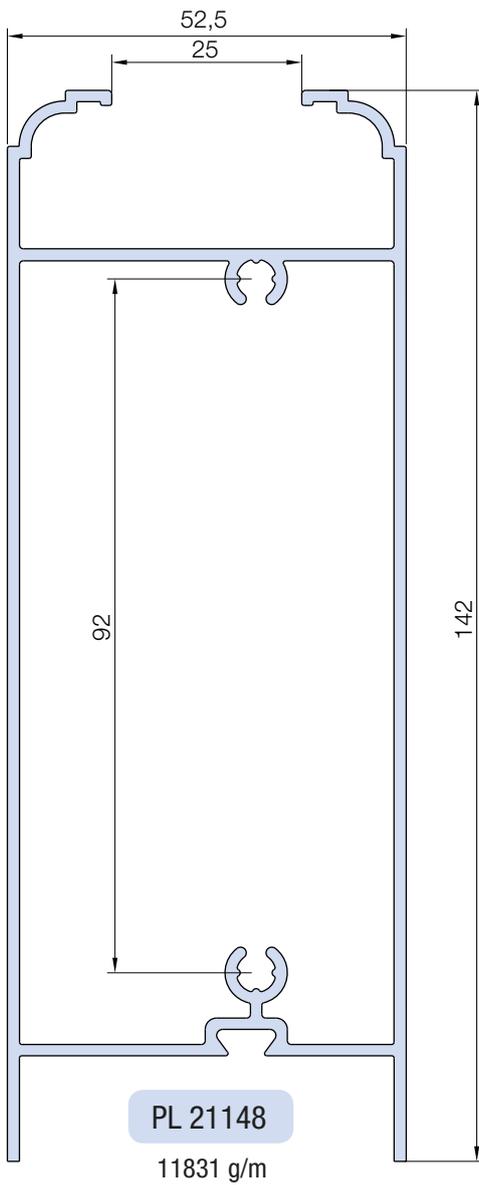
**PL 2052**

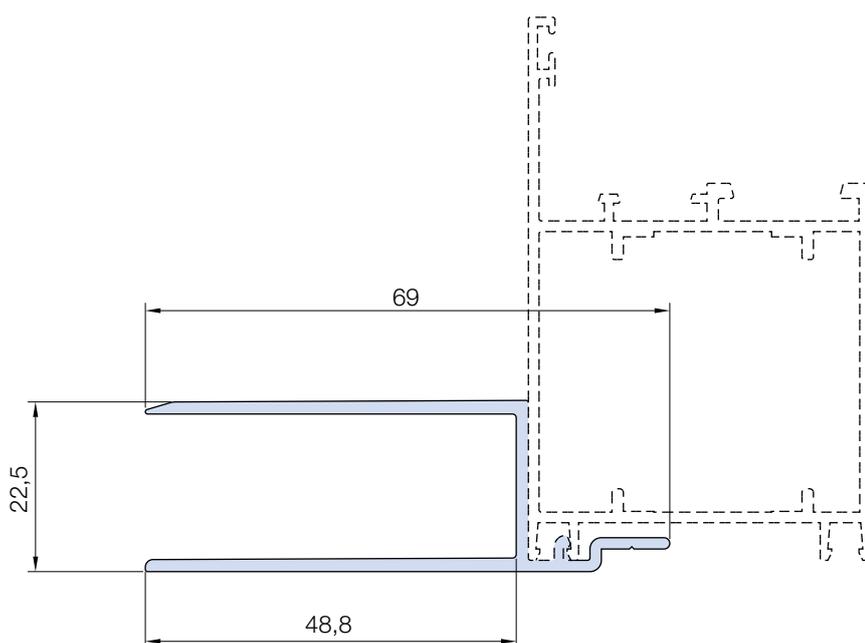
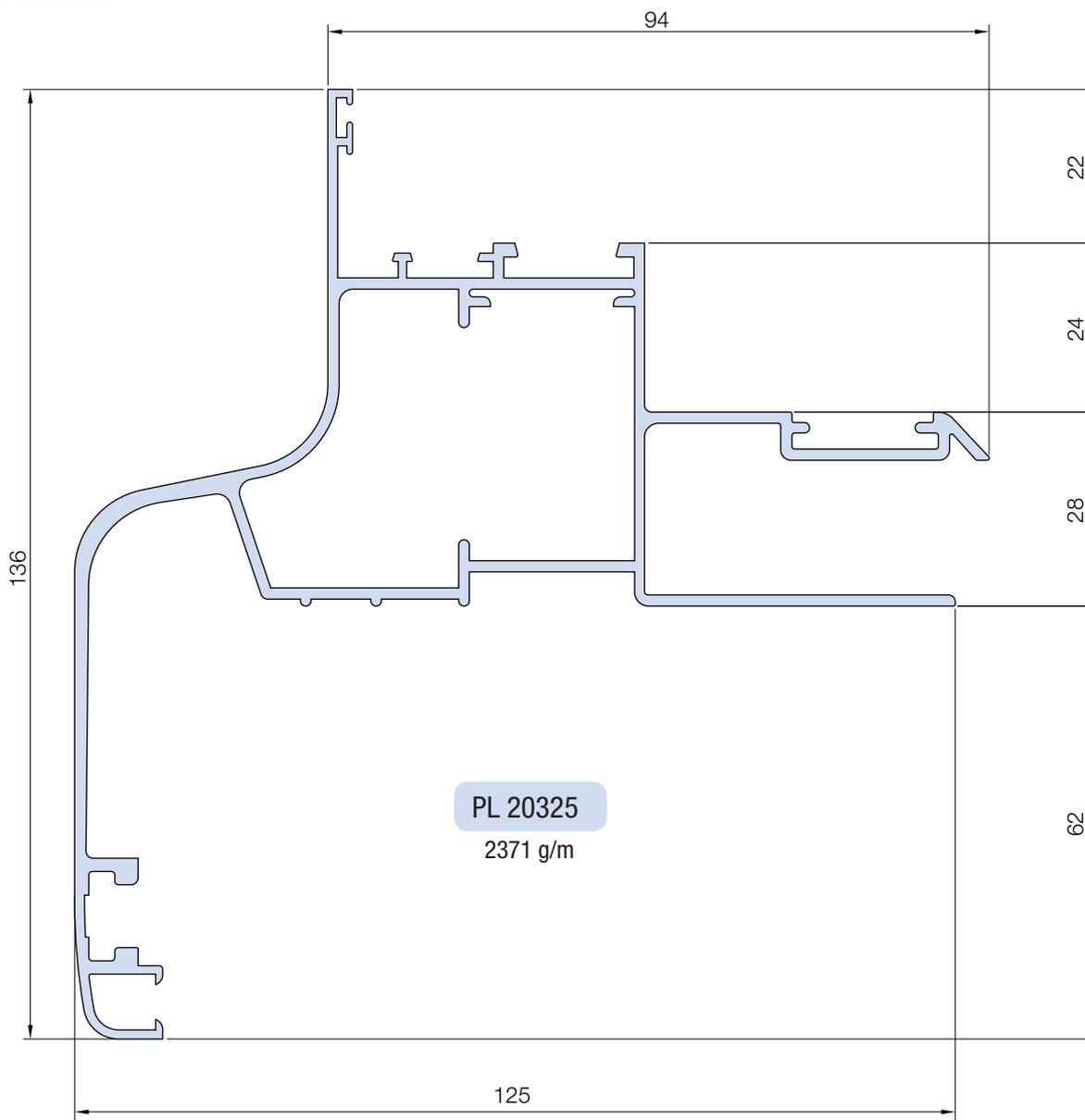
1530 g/m



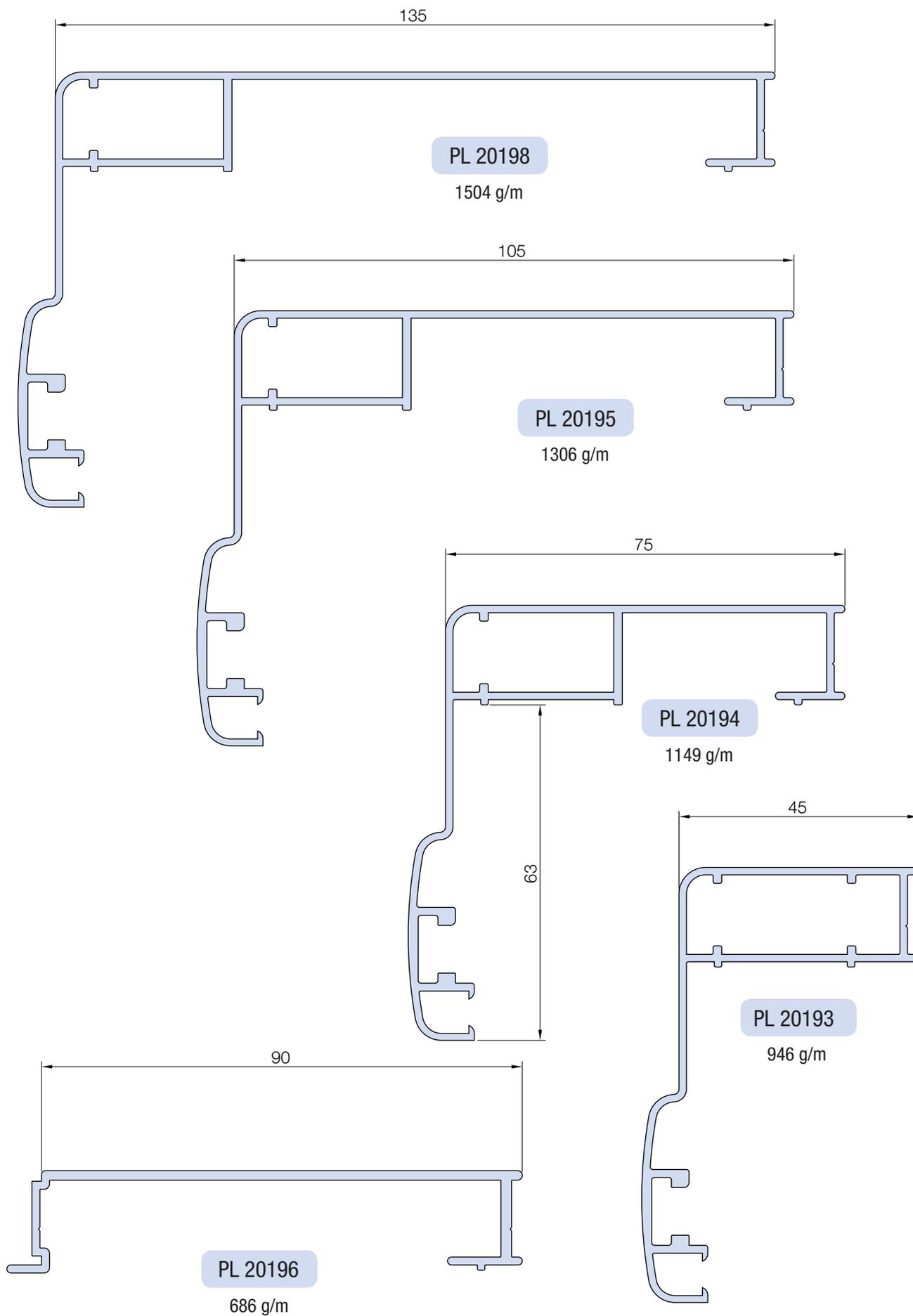
**PL 20148**

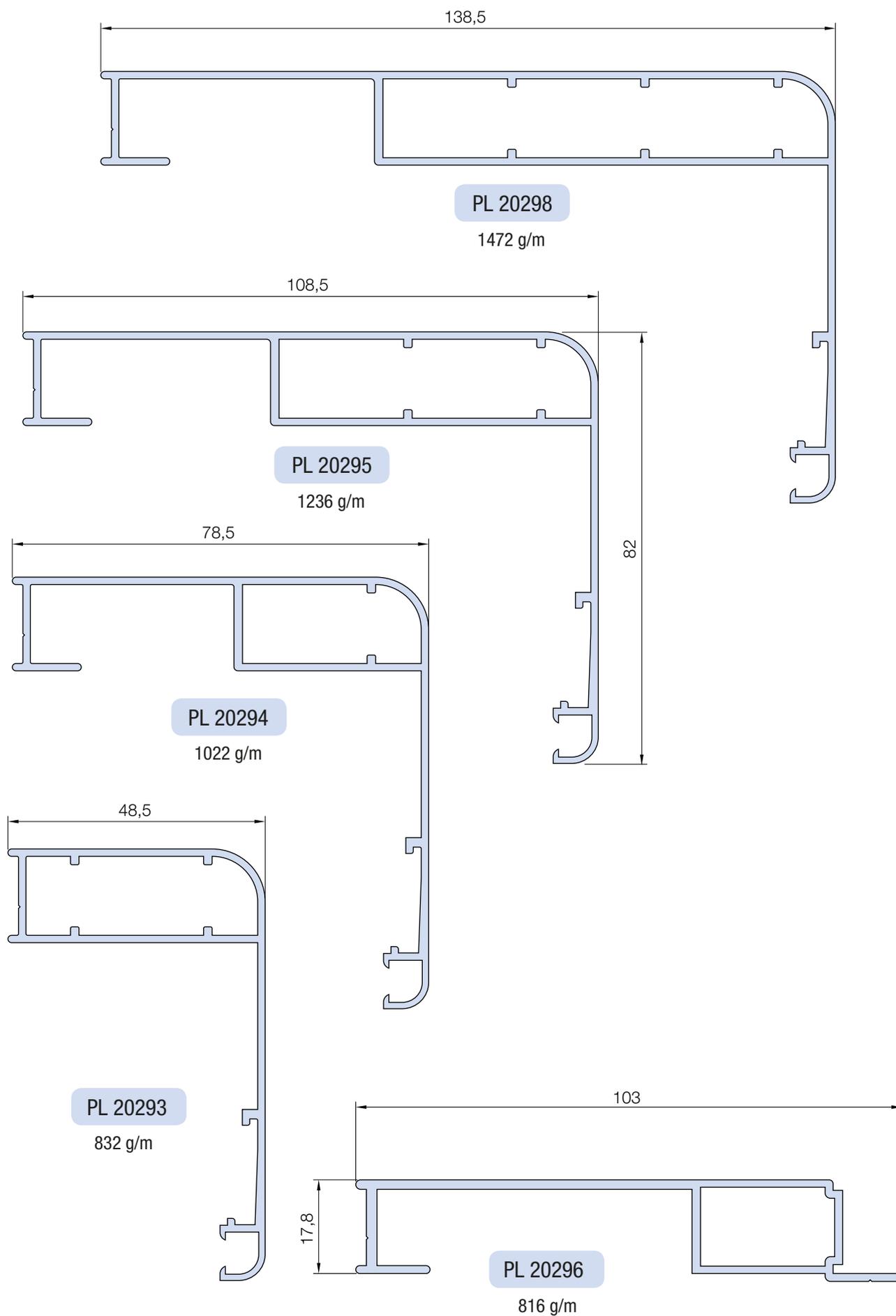
1103 g/m

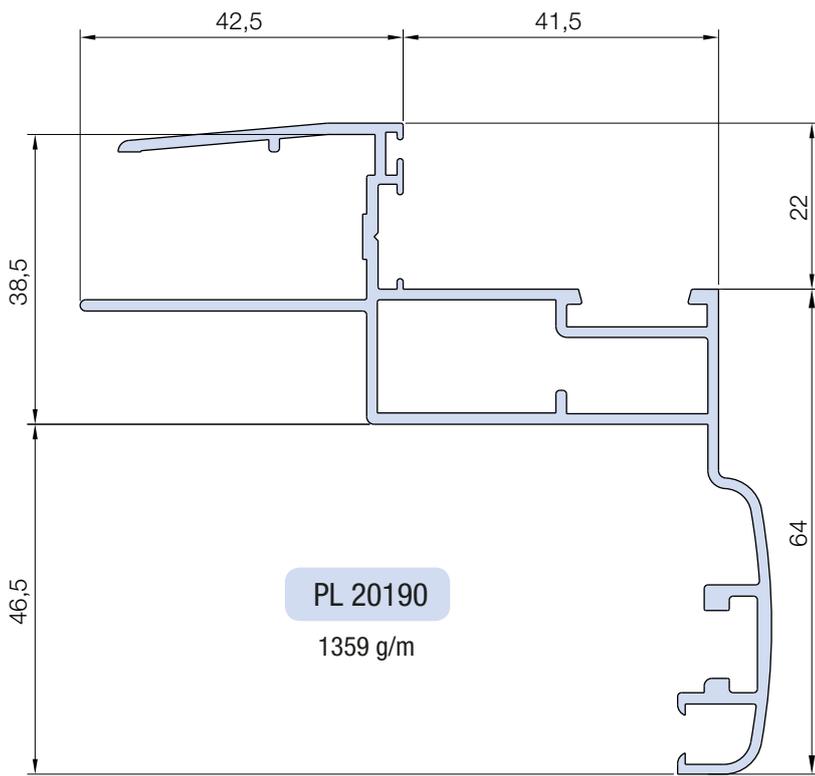




**PL 20192**  
636 g/m

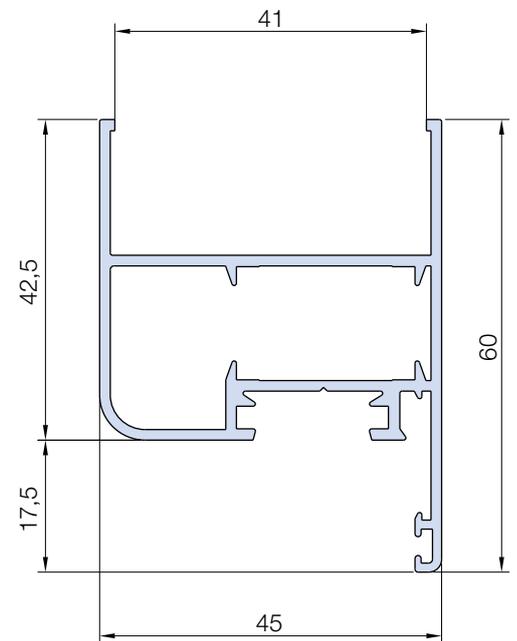






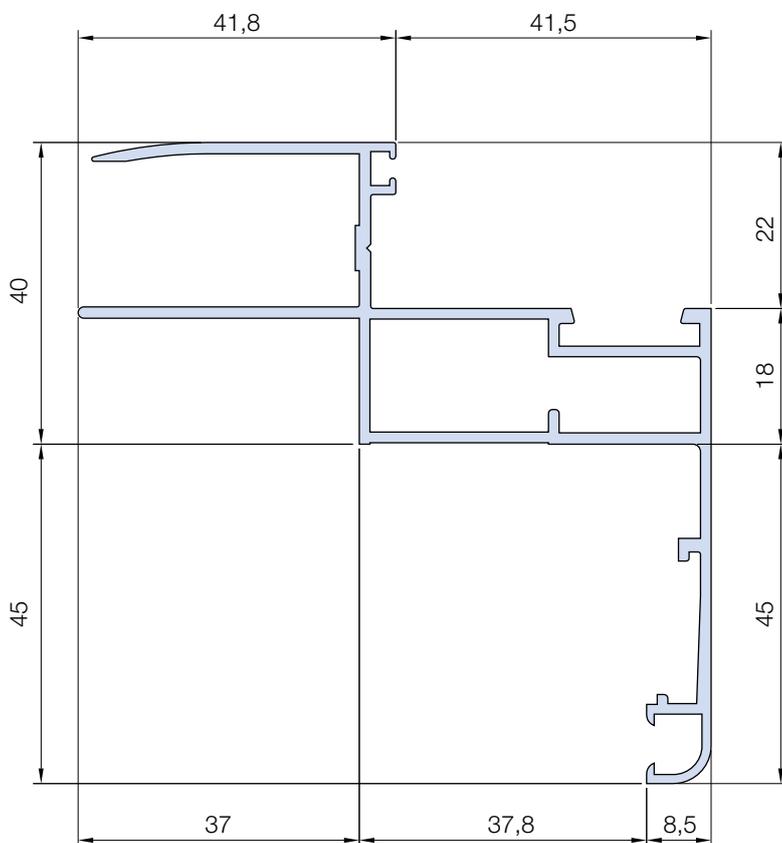
**PL 20190**

1359 g/m



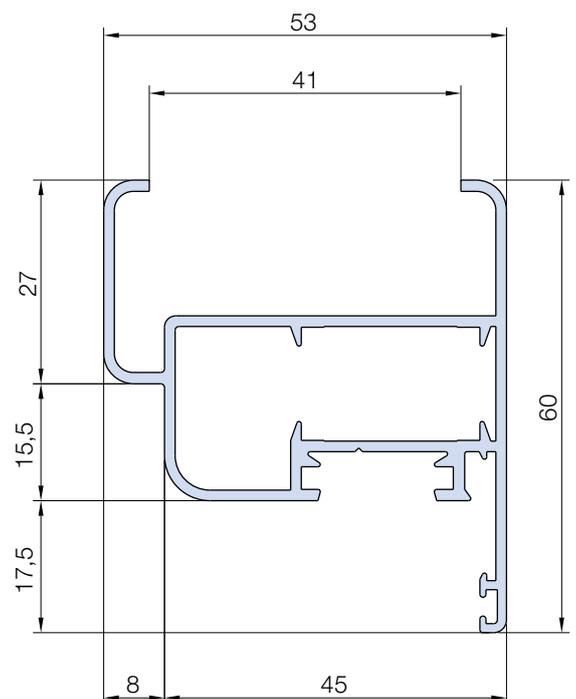
**PL 2087**

872 g/m



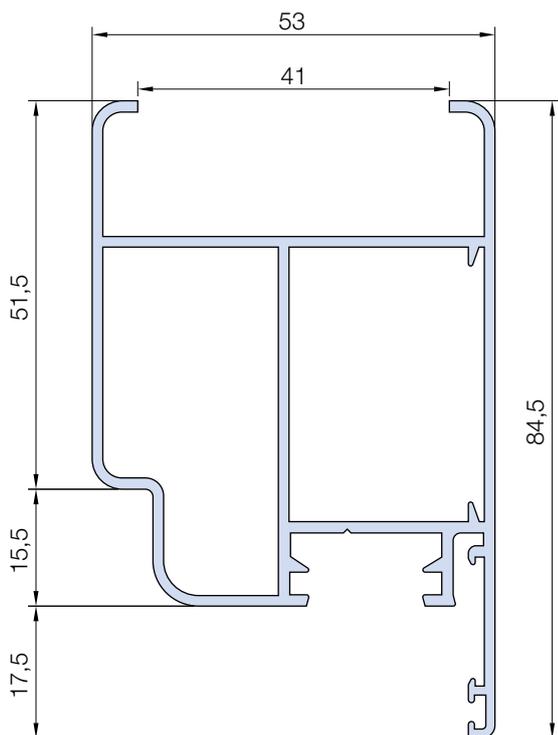
**PL 20290**

1192 g/m



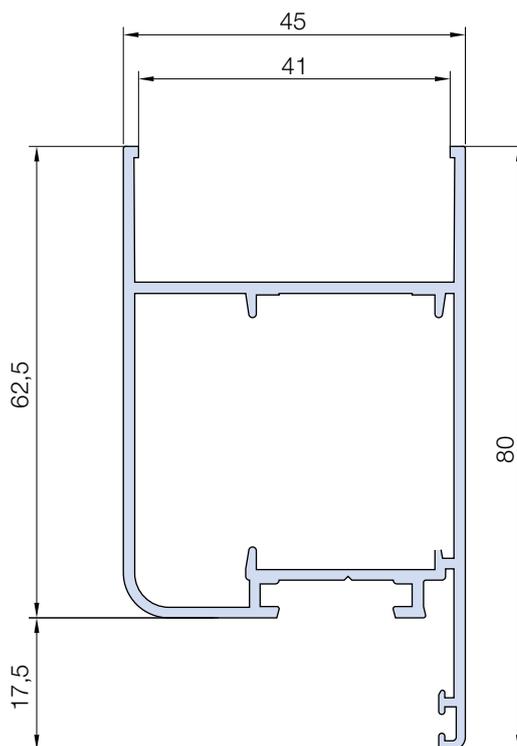
**PL 20187**

947 g/m



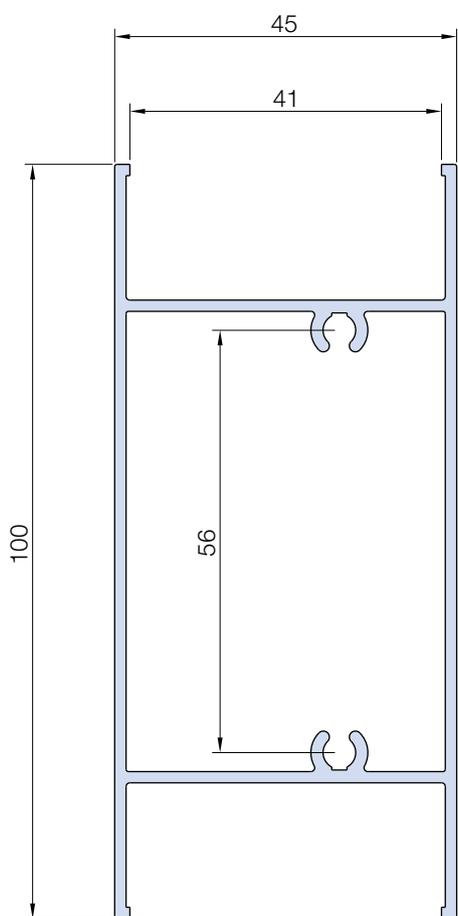
**PL 20287**

1215 g/m



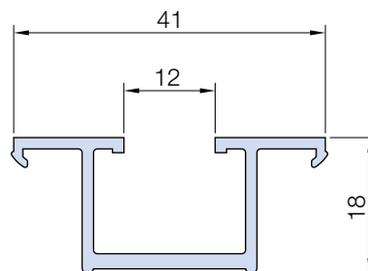
**PL 20387**

1035 g/m



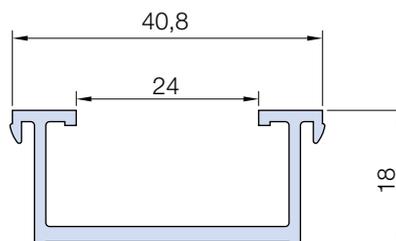
**PL 20152**

1308 g/m



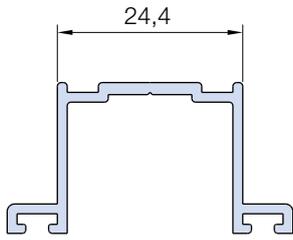
**PL 2097**

379 g/m



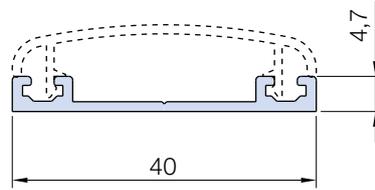
**PL 2098**

398 g/m



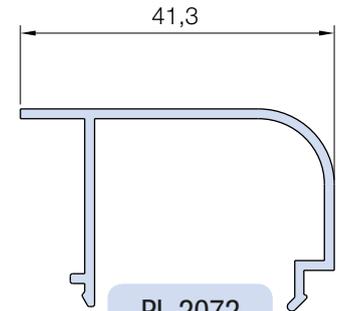
**PL 2091**

304 g/m



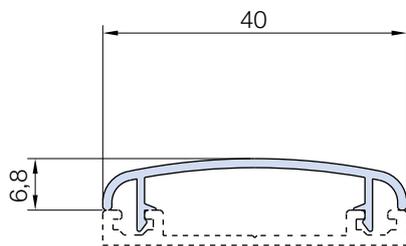
**PL 2073**

231 g/m



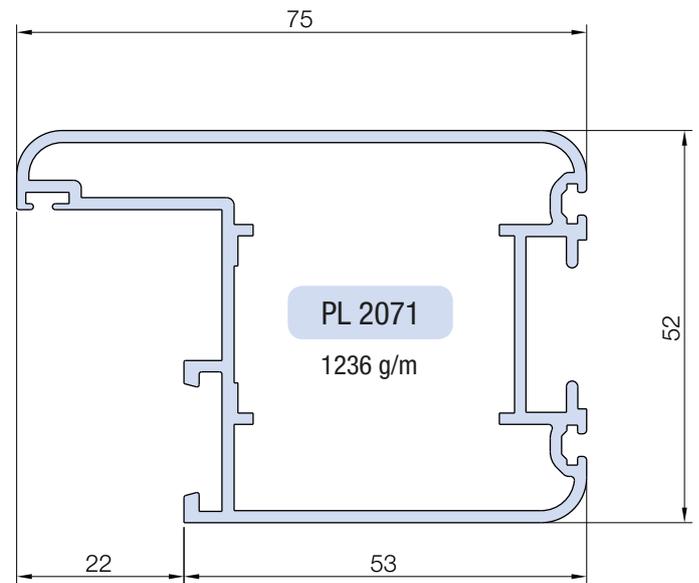
**PL 2072**

331g/m



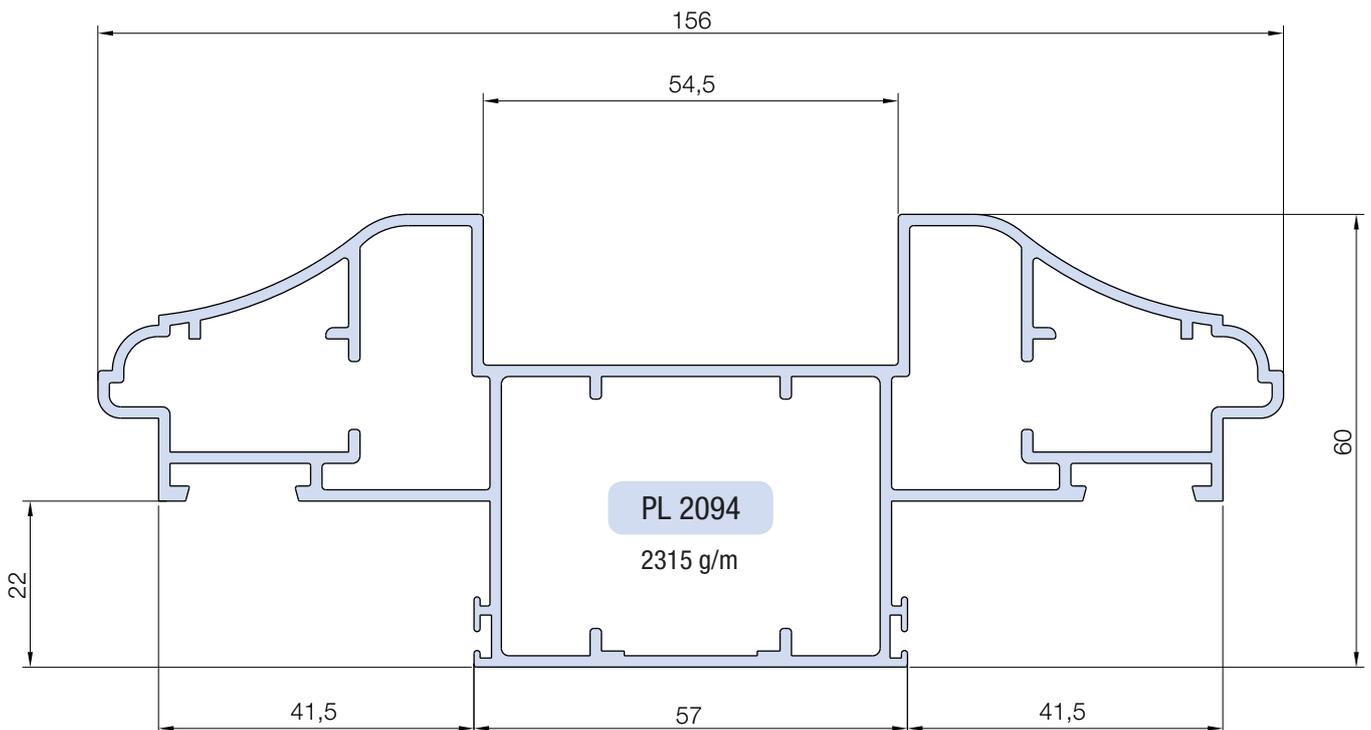
**PL 2070**

231g/m



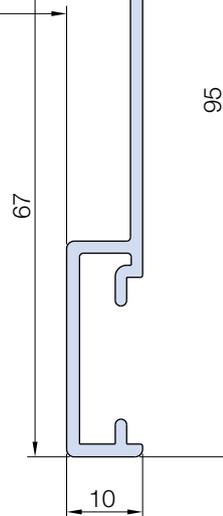
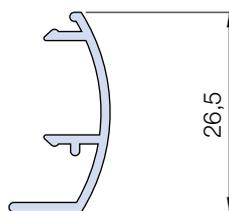
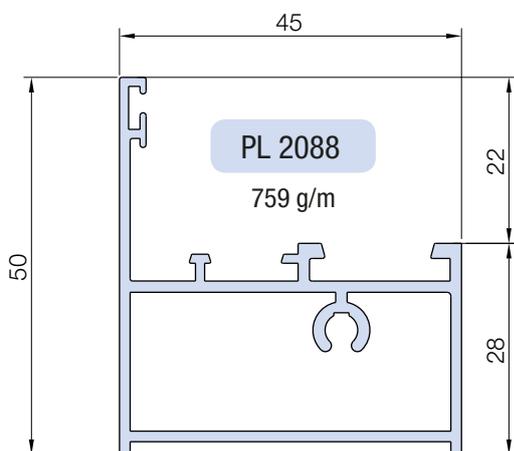
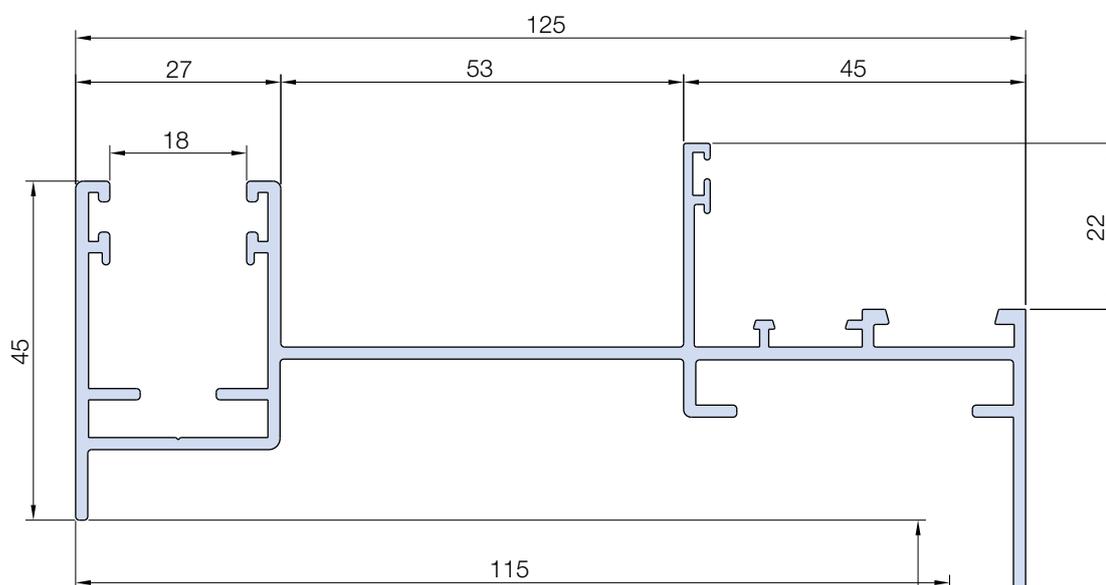
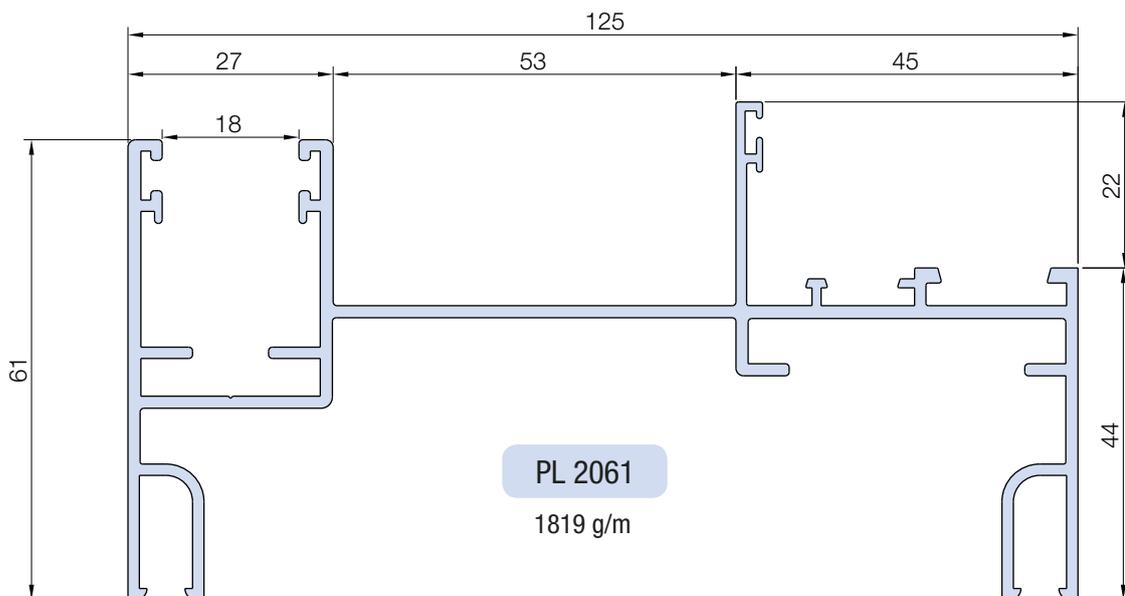
**PL 2071**

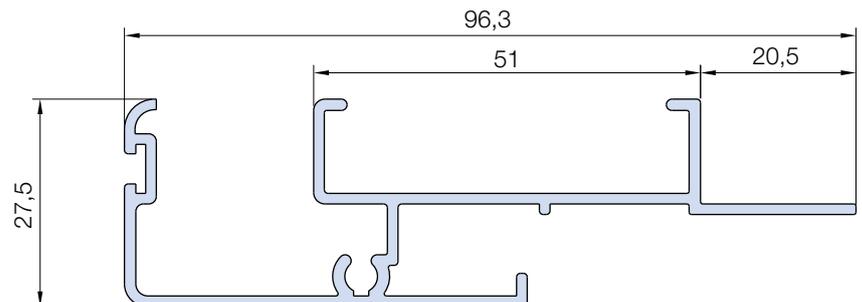
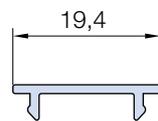
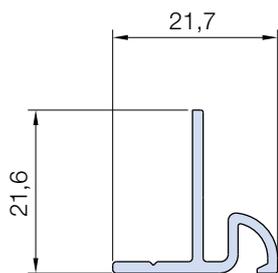
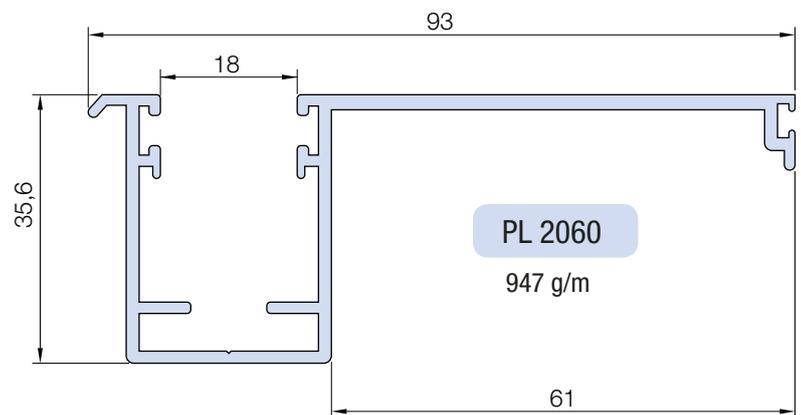
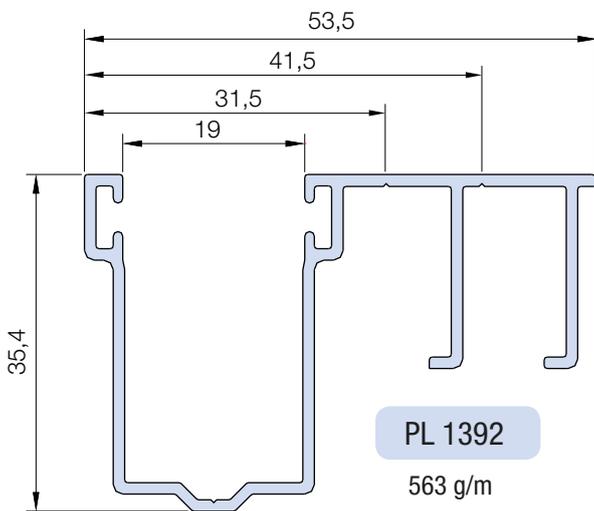
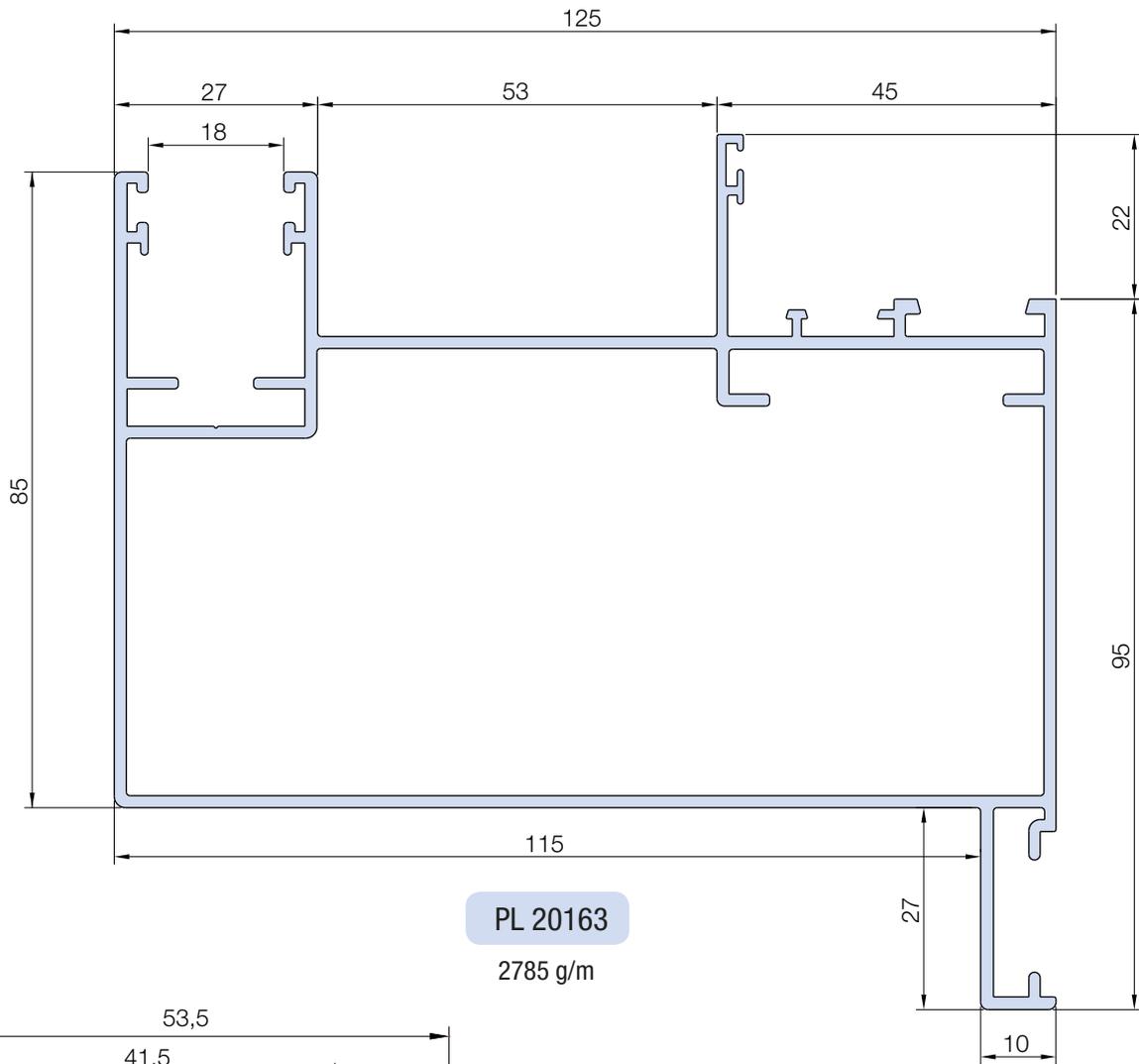
1236 g/m

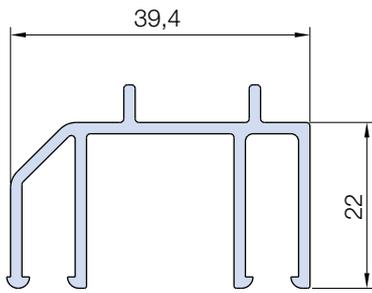


**PL 2094**

2315 g/m

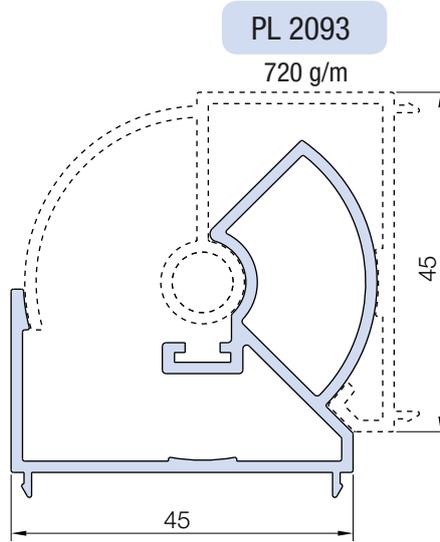






**PL 2075**

527 g/m

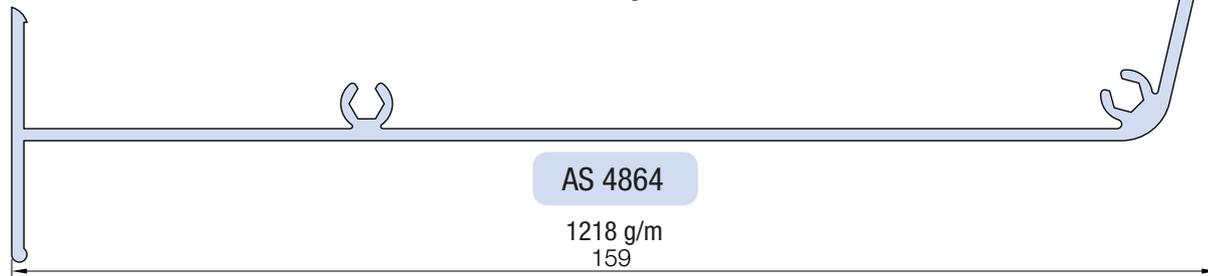


**PL 2093**

720 g/m

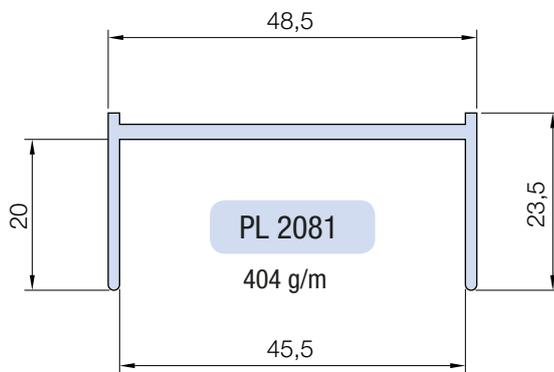
**PL 2092**

763 g/m



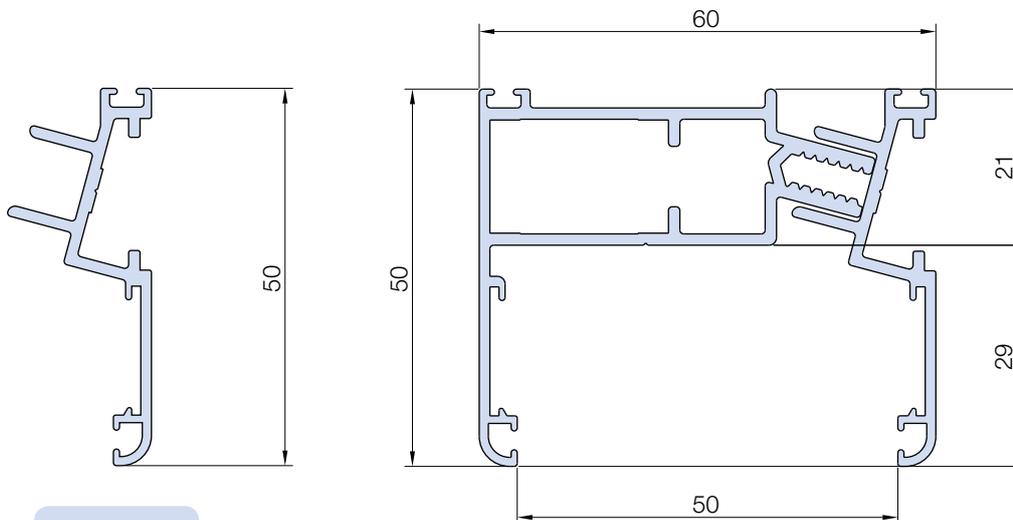
**AS 4864**

1218 g/m  
159



**PL 2081**

404 g/m

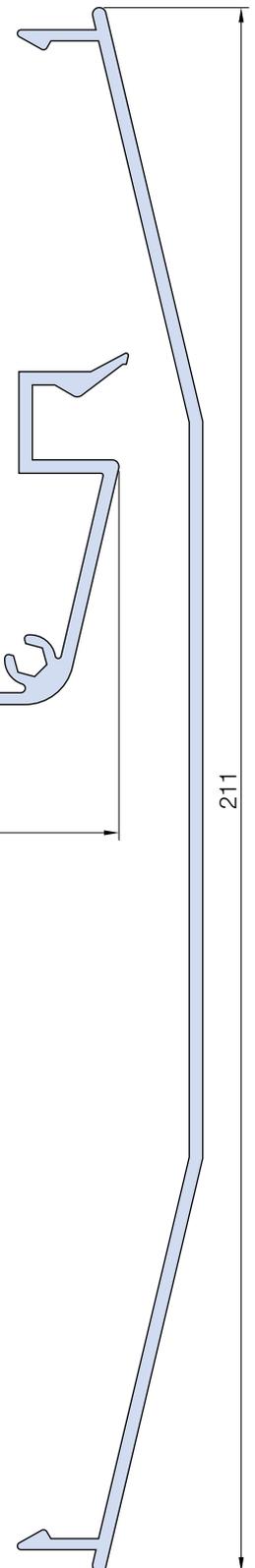


**PL 2076**

776 g/m

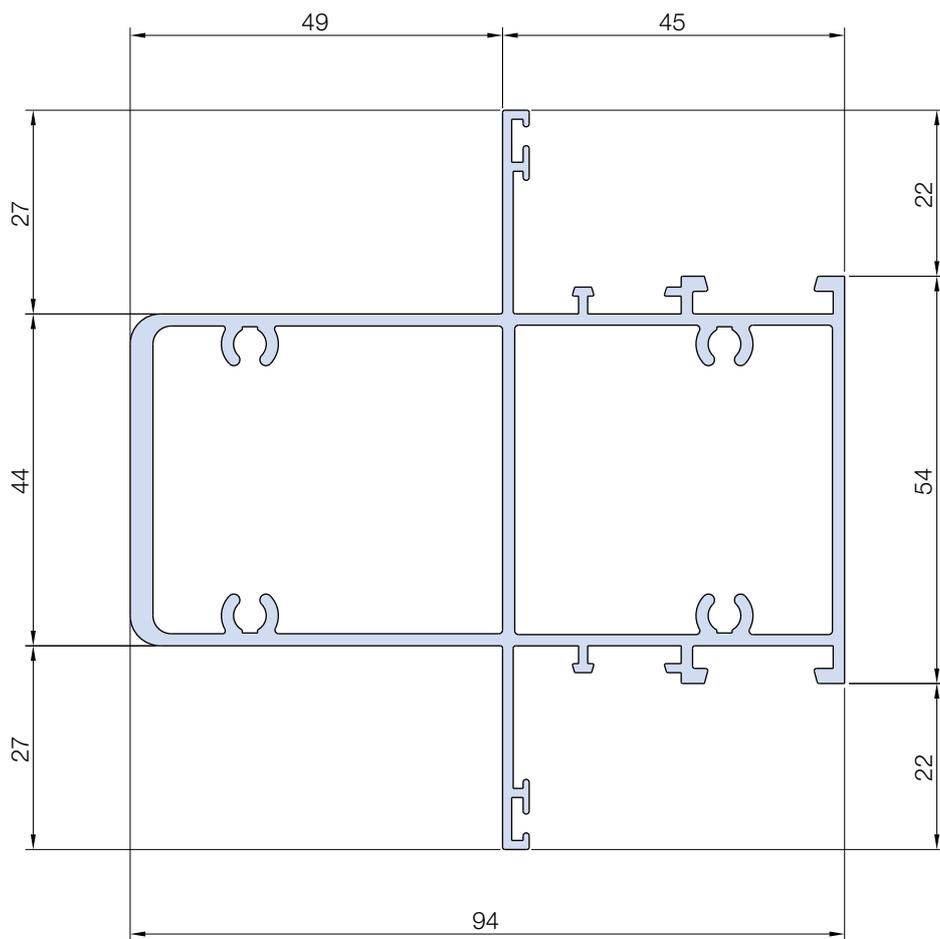
**PL 2077**

385 g/m



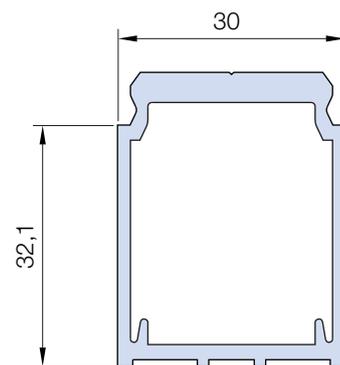
**AS 4865**

1110 g/m



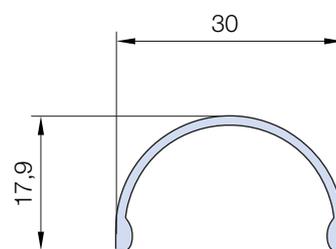
**PL 2068**

2077 g/m



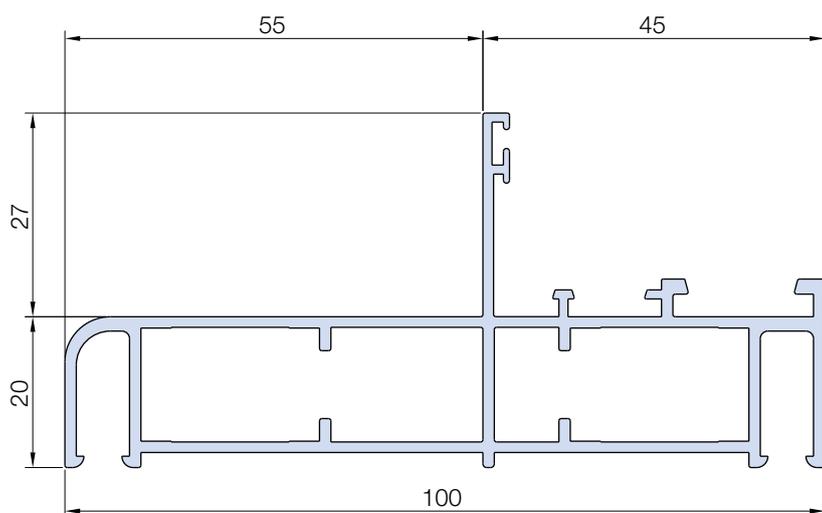
**PL 2859**

800 g/m



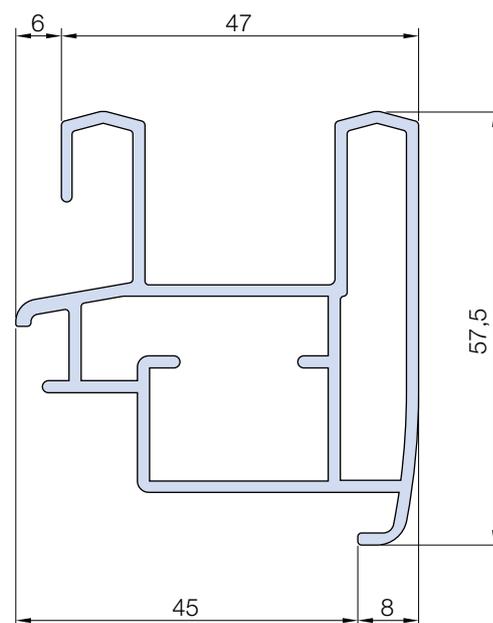
**PL 2860**

177 g/m



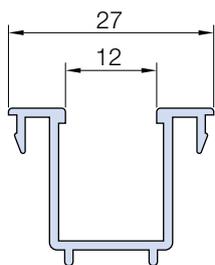
**PL 2069**

1339 g/m



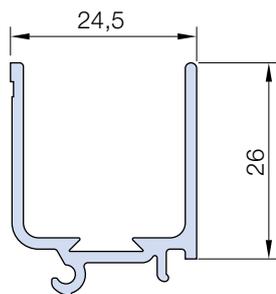
**PL 2095**

1208 g/m



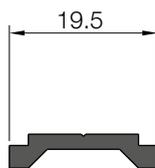
**PL 6097**

246 g/m



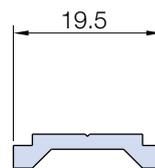
**PL 1325\***

348 g/m



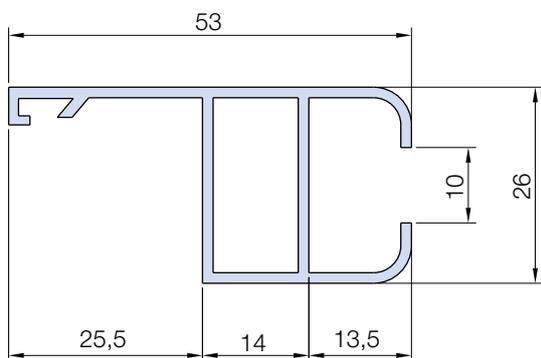
**TAC 1000**

astina in poliammide  
rotolo 250 m



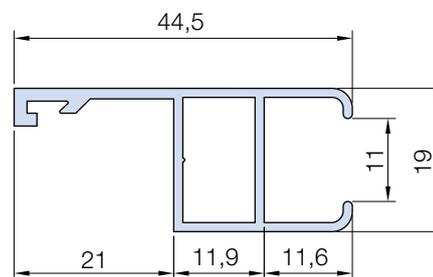
**AS 1000**

119 g/m



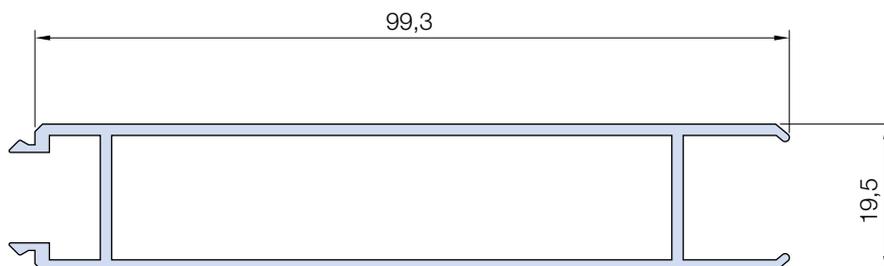
**AS 48111**

555 g/m



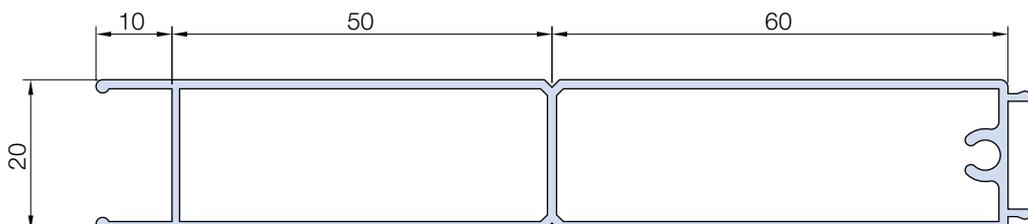
**ET00633**

390 g/m



**1484**

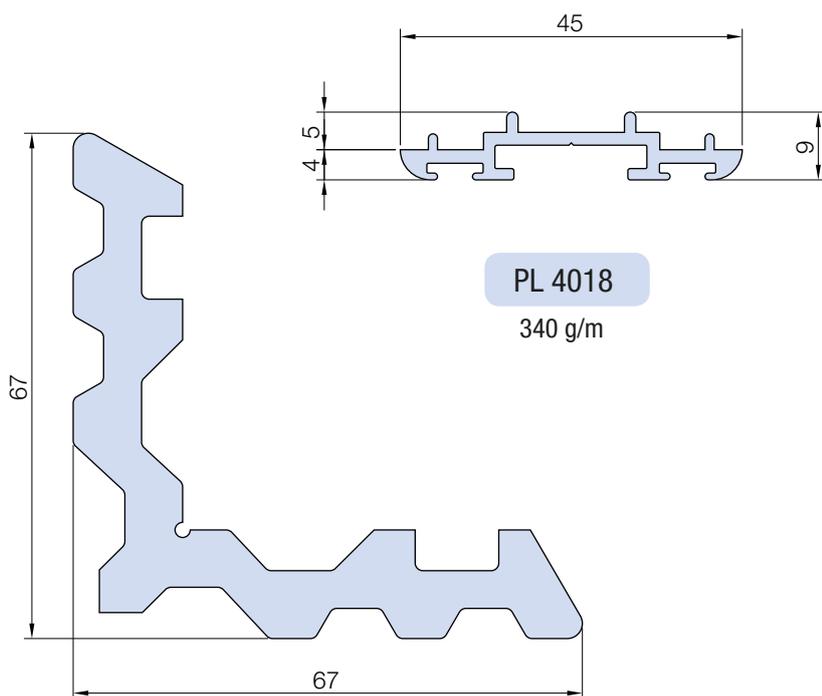
982 g/m



**R 3521**

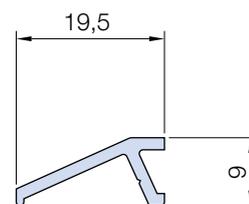
1001 g/m

\* UTILIZZARE SEMPRE ACP 5027/ \* Use ACP 5027 always



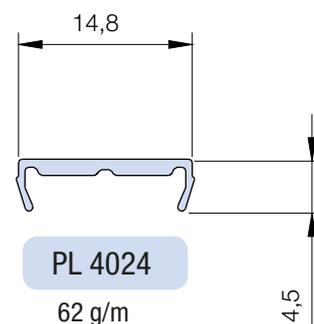
**PL 4018**

340 g/m



**PL 20100**

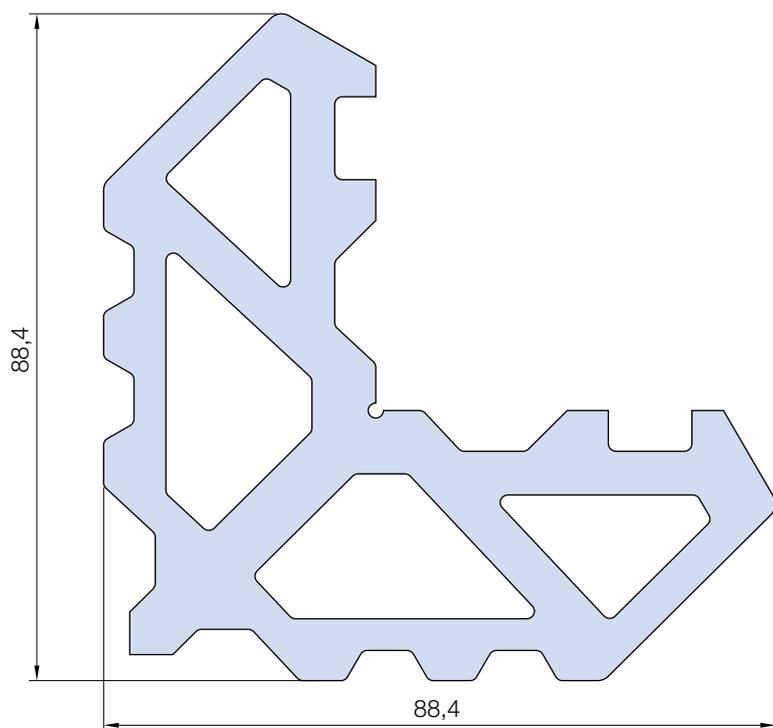
129 g/m



**PL 4024**

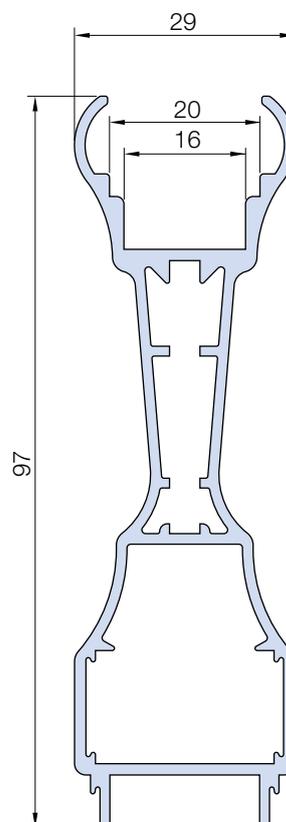
62 g/m

**PL 2090**  
2720 g/m



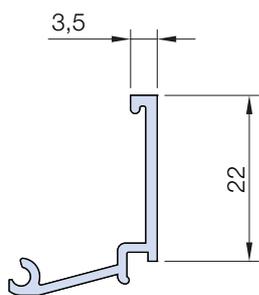
**PL 2084**

6461 g/m



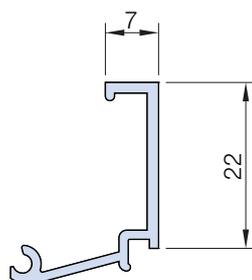
**PL 2080**

1190 g/m



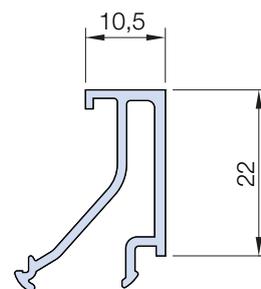
PL 1404\*

190 g/m



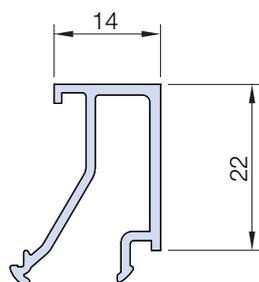
PL 1407\*

206 g/m



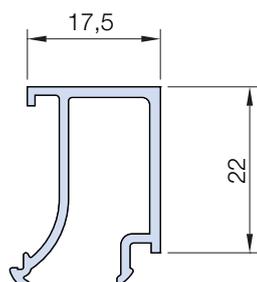
PL 1411\*

252 g/m



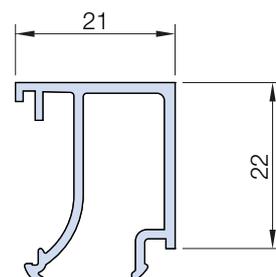
PL 1414\*

257 g/m



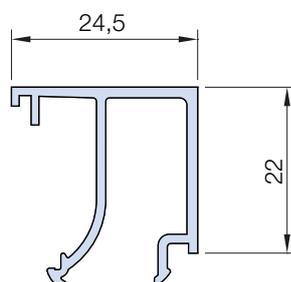
PL 1418\*

268 g/m



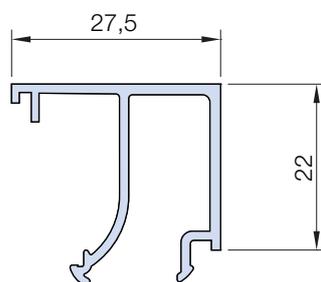
PL 1421\*

290 g/m



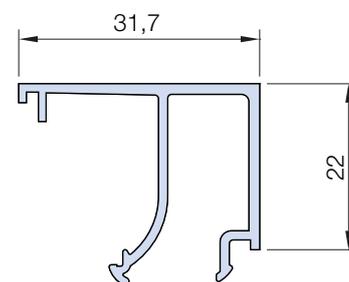
PL 1425\*

304 g/m



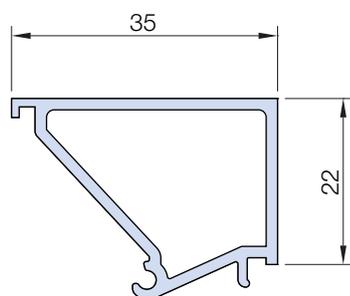
PL 1428\*

312 g/m



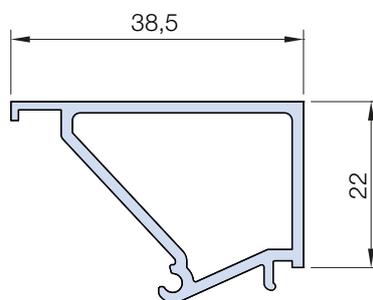
PL 1432\*

331 g/m



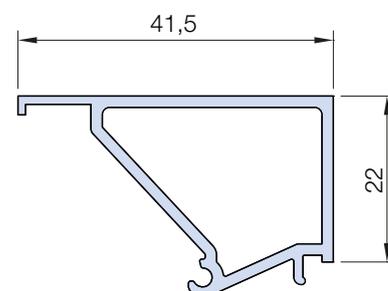
PL 1435\*

434 g/m



PL 1439\*

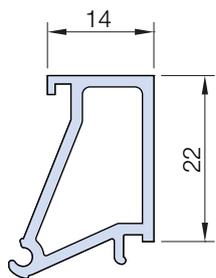
445 g/m



PL 1442\*

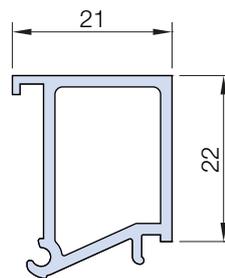
454 g/m

\* UTILIZZARE SEMPRE ACP 5027/ \* Use ACP 5027 always



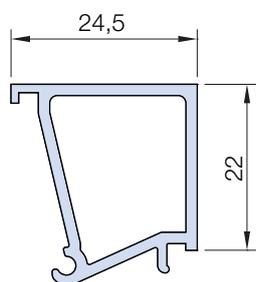
**PL 14214\***

329 g/m



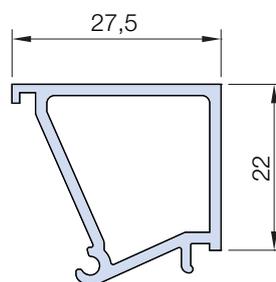
**PL 14221\***

353 g/m



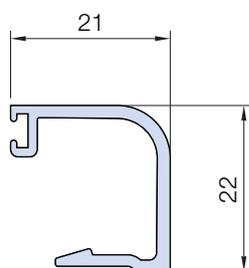
**PL 14225\***

370 g/m



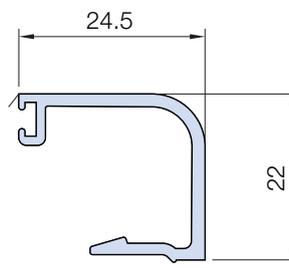
**PL 14228\***

389 g/m



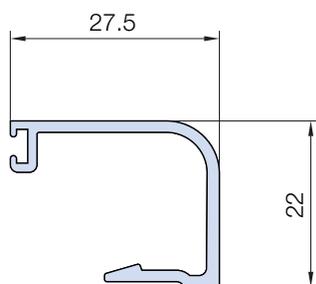
**PL 15221\*\***

259 g/m



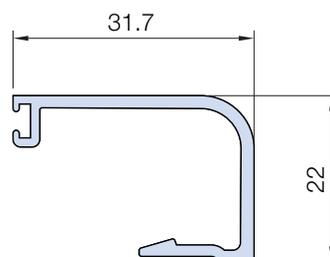
**PL 15225\*\***

275 g/m



**PL 15228\*\***

272 g/m

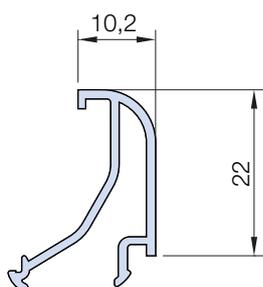


**PL 15232\*\***

305 g/m

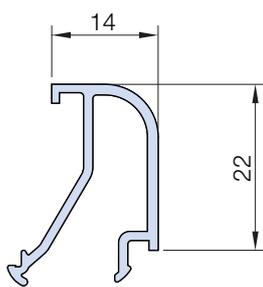
\* UTILIZZARE SEMPRE ACP 50122/ \* Use ACP 50122 always

\*\* UTILIZZARE SEMPRE ACP 5027/ \*\* Use ACP 5027 always



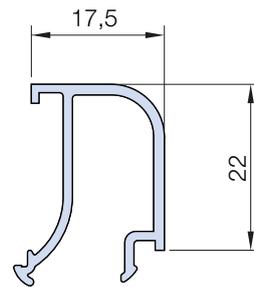
PL 1511

238 g/m



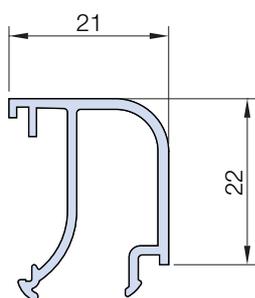
PL 1514

247 g/m



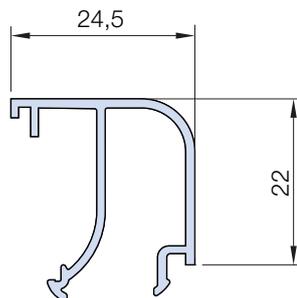
PL 1518

257 g/m



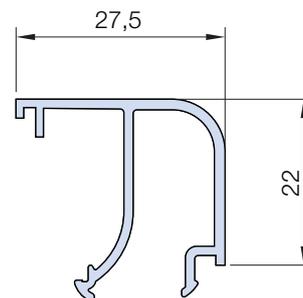
PL 1521

279 g/m



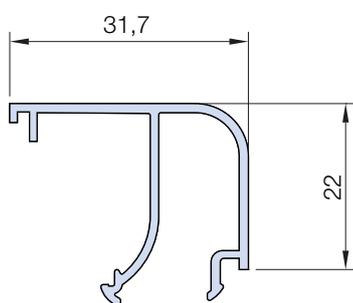
PL 1525

290 g/m



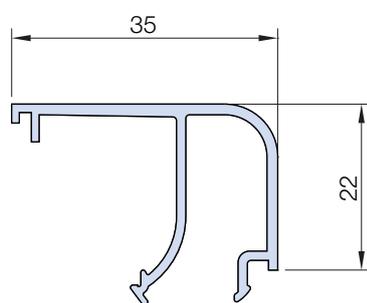
PL 1528

301 g/m



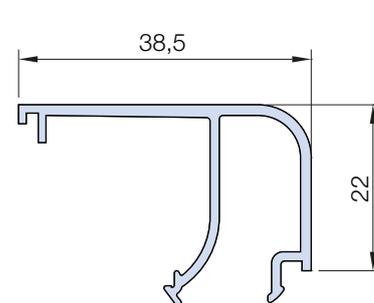
PL 1532

317 g/m



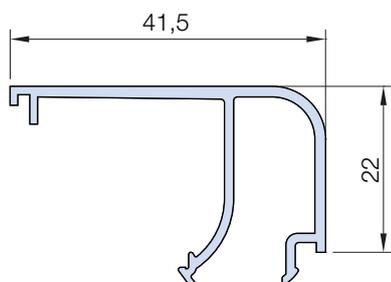
PL 1535

337 g/m



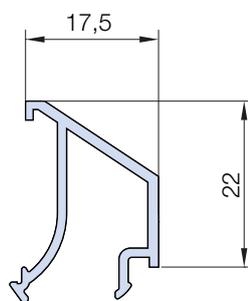
PL 1539

352 g/m



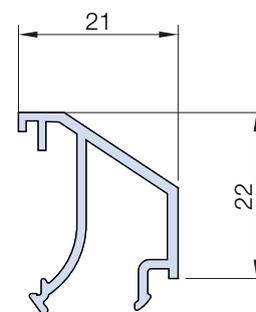
PL 1542

365 g/m



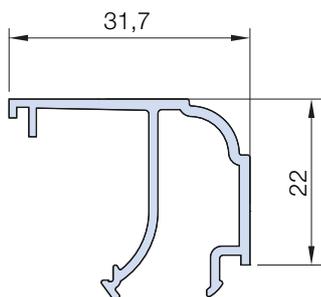
PL 1818

236 g/m



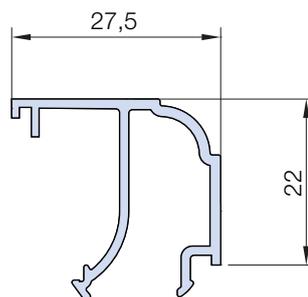
PL 1821

258 g/m



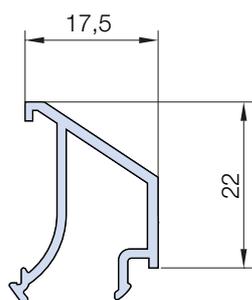
**PL 1932**

317 g/m



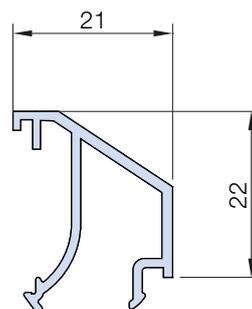
**PL 1928**

298 g/m



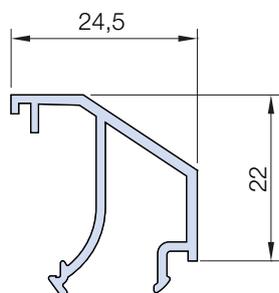
**PL 1818**

236 g/m



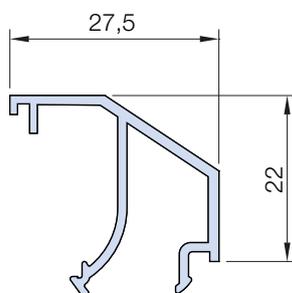
**PL 1821**

258 g/m



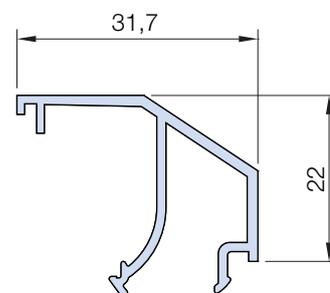
**PL 1825**

270 g/m



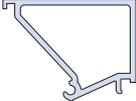
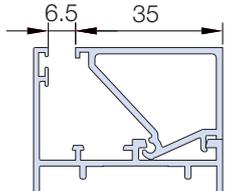
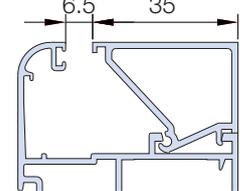
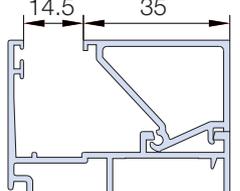
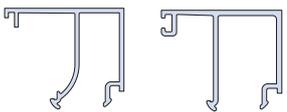
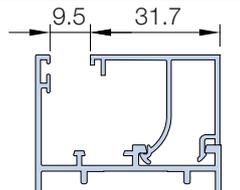
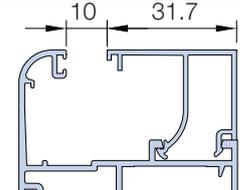
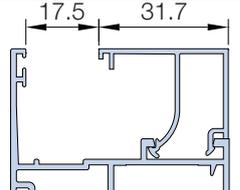
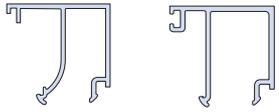
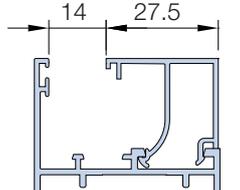
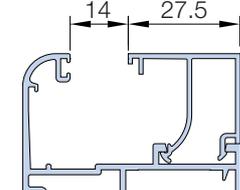
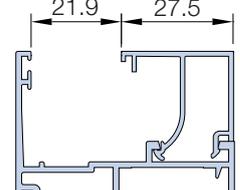
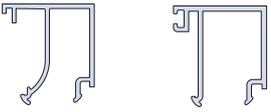
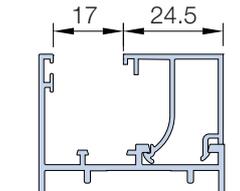
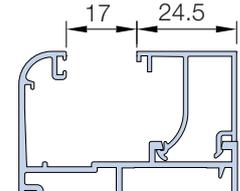
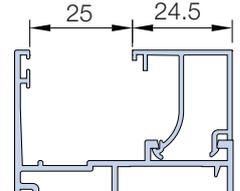
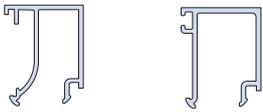
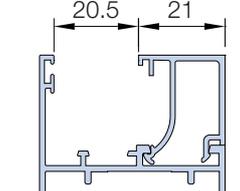
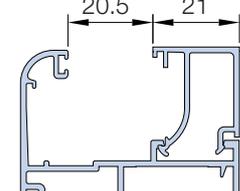
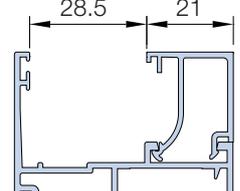
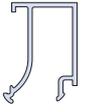
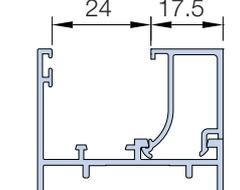
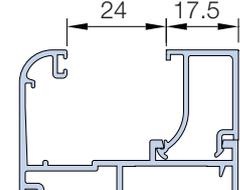
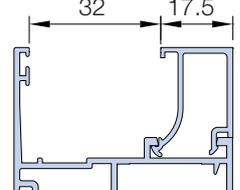
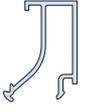
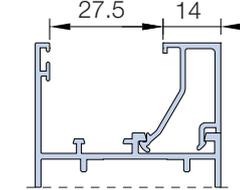
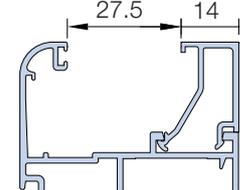
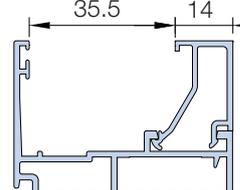
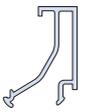
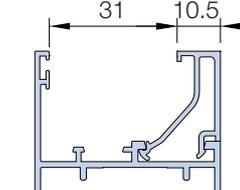
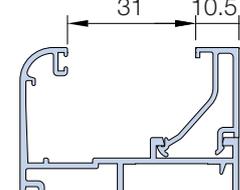
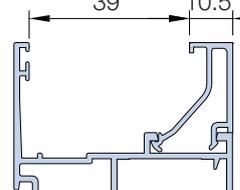
**PL 1828**

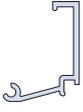
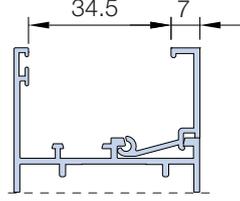
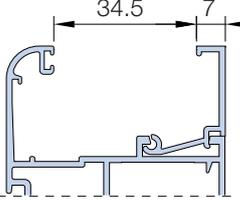
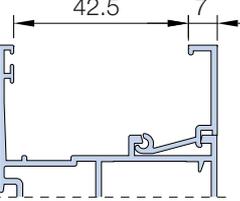
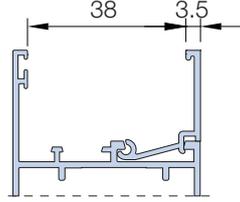
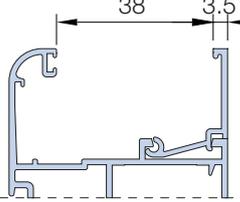
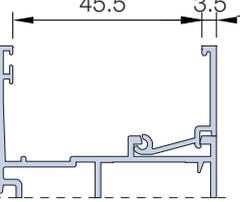
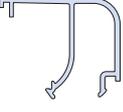
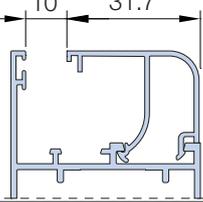
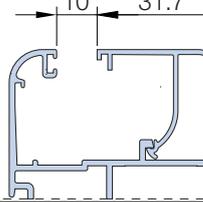
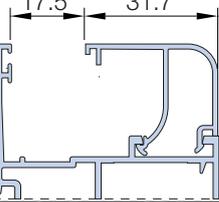
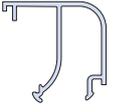
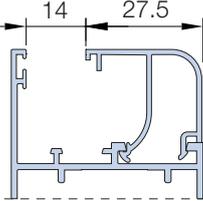
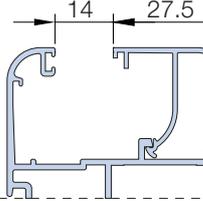
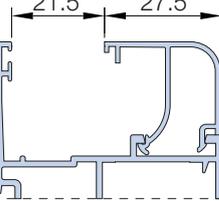
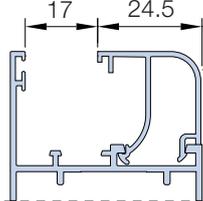
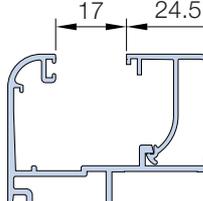
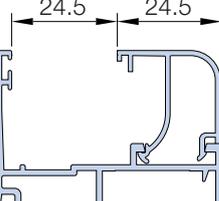
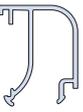
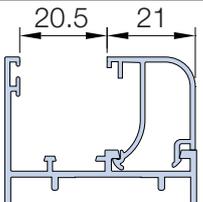
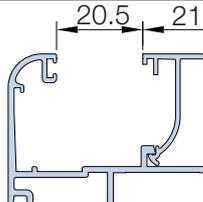
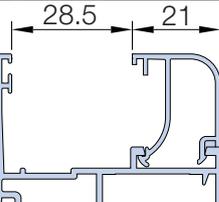
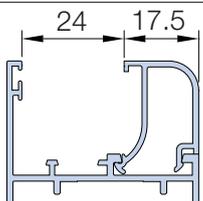
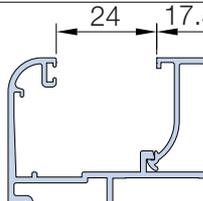
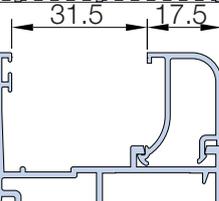
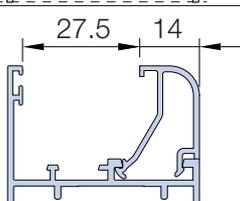
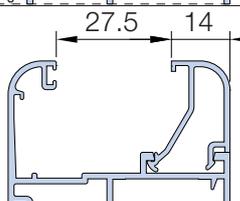
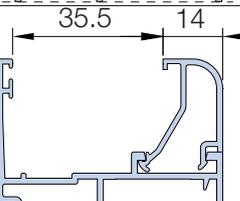
279 g/m



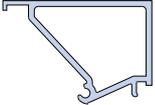
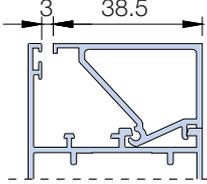
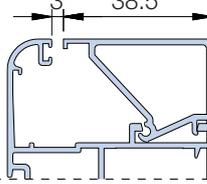
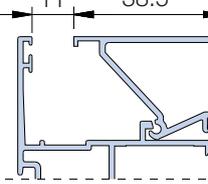
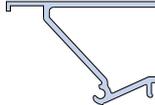
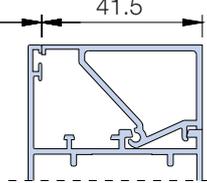
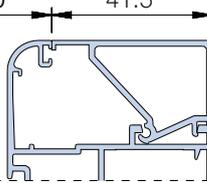
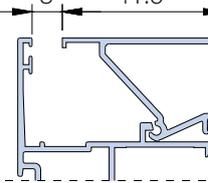
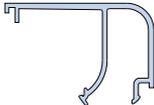
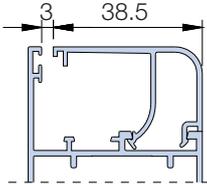
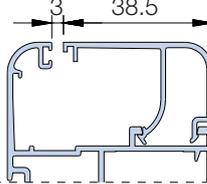
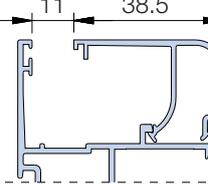
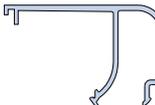
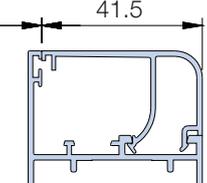
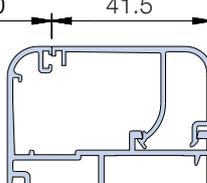
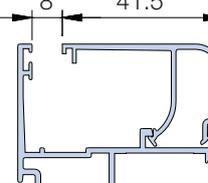
**PL 1832**

296 g/m

| Fermavetro   | Telaio PL 2002  | Anta PL 2012   | Anta PL 2011  |
|--|---|--|---|
|  <p>PL 1435</p>               |    |    |    |
|  <p>PL 1432    PL 14132</p>   |    |    |    |
|  <p>PL 1428    PL 14128</p>   |    |    |    |
|  <p>PL 1425    PL 14125</p>  |   |   |   |
|  <p>PL 1421    PL 14121</p> |  |  |  |
|  <p>PL 1418</p>             |  |  |  |
|  <p>PL 1414</p>             |  |  |  |
|  <p>PL 1411</p>             |  |  |  |

| Fermavetro   | Telaio PL 2002   | Anta PL 2012  | Anta PL 2011   |
|--|--|---|--|
| <br>PL 1407   | <br>34.5 7    | <br>34.5 7    | <br>42.5 7      |
| <br>PL 1404   | <br>38 3.5    | <br>38 3.5    | <br>45.5 3.5    |
| <br>PL 1532   | <br>10 31.7   | <br>10 31.7   | <br>17.5 31.7   |
| <br>PL 1528  | <br>14 27.5  | <br>14 27.5  | <br>21.5 27.5  |
| <br>PL 1525 | <br>17 24.5 | <br>17 24.5 | <br>24.5 24.5 |
| <br>PL 1521 | <br>20.5 21 | <br>20.5 21 | <br>28.5 21   |
| <br>PL 1518 | <br>24 17.5 | <br>24 17.5 | <br>31.5 17.5 |
| <br>PL 1514 | <br>27.5 14 | <br>27.5 14 | <br>35.5 14   |

| Fermavetro     | Telaio PL 2002   | Anta PL 2012     | Anta PL 2011     |
|----------------|------------------|------------------|------------------|
| <p>PL 1832</p> | <p>10 31.7</p>   | <p>10 31.7</p>   | <p>17.5 31.7</p> |
| <p>PL 1828</p> | <p>14 27.5</p>   | <p>14 27.5</p>   | <p>21.5 27.5</p> |
| <p>PL 1825</p> | <p>17 24.5</p>   | <p>17 24.5</p>   | <p>24.5 24.5</p> |
| <p>PL 1821</p> | <p>20.5 21</p>   | <p>20.5 21</p>   | <p>28.5 21</p>   |
| <p>PL 1818</p> | <p>24 17.5</p>   | <p>24 17.5</p>   | <p>31.5 17.5</p> |
| <p>PL 1511</p> | <p>31.5 10.2</p> | <p>31.5 10.2</p> | <p>39 10.2</p>   |
| <p>PL 1932</p> | <p>10 31.7</p>   | <p>10 31.7</p>   | <p>17.5 31.7</p> |
| <p>PL 1928</p> | <p>14 27.5</p>   | <p>14 27.5</p>   | <p>21.5 27.5</p> |

| Fermavetro  | Telaio PL 2002   | Anta PL 2012  | Anta PL 2011   |
|---|--|---|--|
|  <p>PL 1439</p>  |  <p>3 38.5</p>  |  <p>3 38.5</p>  |  <p>11 38.5</p> |
|  <p>PL 1442</p>  |  <p>0 41.5</p>  |  <p>0 41.5</p>  |  <p>8 41.5</p>  |
|  <p>PL 1539</p>  |  <p>3 38.5</p>  |  <p>3 38.5</p>  |  <p>11 38.5</p> |
|  <p>PL 1542</p> |  <p>0 41.5</p> |  <p>0 41.5</p> |  <p>8 41.5</p> |

|            |  |
|------------|--|
| AC 2001    | Vite trilobata per ACP 50420/ACP 50454<br><i>Trilobate screw for ACP 50420</i>   |
| AC 2099    | Tappino chiudi foro Ø11,5mm<br><i>Hole-closing ø11,5mm</i>   |
| ACP 5000   | Spina Ø8mm per ACP 5020, ACP 5054, ACP 7220<br><i>Pin Ø8mm for ACP 5020, ACP 5054, ACP 7220</i>  |
| ACP 5001   | Vite Ø8mm per squadrette multifunzione ACP 7001, ACP 7002, ACP 5801 e ACP 5802<br><i>Screw Ø8mm for ACP 7001, ACP 7002, ACP 5801 and ACP 5802 multifunctional corner joints</i>  |
| ACP 5002   | Squadretta 23X14mm a pulsante Ø10mm strong – filettata<br><i>Corner joint 23x14mm with push-button ø10mm strong - threaded</i>   |
| ACP 5005   | Cerniera componenti inox e piastrini premontati per telai piani; usare 1 coppia hmax=1800mm per h oltre 1800mm inserire la 3a cerniera<br><i>Hinge for flat frames right. Usa a pair of hinge for hmax=1800mm, 3 hinges for h&gt;1800mm</i>            |
| ACP 5005 D | Cerniera premontata destra per telai piani; usare 1 coppia hmax=1800mm per h oltre 1800mm inserire la 3a cerniera<br><i>Hinge for flat frames, preassembled components and plates. Usa a pair of hinge for hmax=1800mm, 3 hinges for h&gt;1800mm</i>   |
| ACP 5005 S | Cerniera premontata sinistra per telai piani; usare 1 coppia hmax=1800mm per h oltre 1800mm inserire la 3a cerniera<br><i>Hinge for flat frames, preassembled components and plates. Usa a pair of hinge for hmax=1800mm, 3 hinges for h&gt;1800mm</i> |
| ACP 5006   | Cerniera 3 ali componenti inox e piastrini premontati per telai piani<br><i>3-wings hinge for flat frames, stainless steel components and pre-assembled plates</i>   |
| ACP 5007   | Cerniera 3a anta componenti inox e piastrini premontati; usare 1 coppia hmax=1800mm per h oltre 1800mm inserire la 3a cerniera<br><i>3rd leaf hinge. Usa a pair of hinge for hmax=1800mm, 3 hinges for h&gt;1800mm</i>                                 |
| ACP 5007 D | Cerniera 3a anta premontata destra; usare 1 coppia hmax=1800mm per h oltre 1800mm inserire la 3a cerniera<br><i>3rd leaf hinge, inox component and preassembled plate DX. Usa a pair of hinge for hmax=1800mm, 3 hinges for h&gt;1800mm</i>            |
| ACP 5007 S | Cerniera 3a anta premontata sinistra, usare 1 coppia hmax=1800mm per h oltre 1800mm inserire la 3a cerniera<br><i>3rd leaf hinge, inox component and preassembled plate SX. Usa a pair of hinge for hmax=1800mm, 3 hinges for h&gt;1800mm</i>          |
| ACP 5008   | Squadretta allineamento in acciaio inox<br><i>Alignment corner joint, stainless steel</i>  |
| ACP 5010   | Cerniera vasistas doppio scatto<br><i>Double snap hinge for bottom hung</i>  |
| ACP 5011   | Bracci sporgere telescopici a coppie<br><i>Top-hinged telescopic arms for projected windows</i>  |
| ACP 5012   | Cerniera vasistas scatto singolo<br><i>Hinge, single snap for bottom hung open in</i>  |
| ACP 5013   | Cricchetto vasistas<br><i>Awning/hopper window finger catch</i>  |
| ACP 5014   | Angolino fermavetro tondo<br><i>Round glazing bead corner</i>  |
| ACP 5016   | Braccio sganciabile inox<br><i>Stainless steel releasable arm</i>  |

|              |  |
|--------------|--|
| ACP 5017     | Cricchetto vasistas applicazione rapida in alluminio<br><i>Quick fitting finger catch</i>  |
| ACP 5019     | Riscontro 3a chiusura<br><i>Keeper for 3rd locking piece</i>   |
| ACP 5021     | Kit 3a chiusura registrabile<br><i>3rd adjustable locking piece kit</i>  |
| ACP 5022     | Catenacciolo in nylon<br><i>Nylon bolt</i>   |
| ACP 5023     | Tappo anti intestatura universale per cava 25mm<br><i>Universal anti-butting cap for 25mm beadless type profile</i>                    |
| ACP 5024     | Incontro asta doppio in zama<br><i>Double rod keeper in zamak</i>  |
| ACP 5025     | Terminale asta in nylon<br><i>Nylon rod terminal</i>   |
| ACP 5026     | Piastrina sostegno anta<br><i>Plastic support for leaf</i>   |
| ACP 5027     | Gommino di bloccaggio per fermavetri a contrasto<br><i>Glazing bead locking rubber strip for PL1404 and PL1407 and tubulars</i>        |
| ACP 5035     | Regolo a muro in nylon<br><i>Nylon wall spacer</i>   |
| ACP 5036     | Regolo a muro in metallo<br><i>Metal wall spacer</i>   |
| ACP 5043     | Kit cerniere per anta abbinata telai piani (Complanare esterno Sormonto interno)<br><i>Hinge kit to combine leaf to flat frame</i>     |
| ACP 5045     | Blocchetti collegamento cremonese in zama<br><i>Zamak connection pieces for cremonese handle</i>                                       |
| ACP 5046/350 | Braccio ribalta 345/410mm Abbinare ACP 50156 e ACP 50157<br><i>Tilt window arm 345/410mm for ACP 50156 and ACP 50157</i>               |
| ACP 5046/411 | Braccio ribalta 411/540mm. Abbinare ACP 50156 e ACP 50157<br><i>Tilt window arm 411/540mm for ACP 50156 and ACP 50157</i>              |
| ACP 5046/541 | Braccio ribalta 541/1500mm. Abbinare ACP 50156 e ACP 50157<br><i>Tilt &amp; turn arm 541/1500mm for ACP 50156 and ACP 50157</i>        |
| ACP 5047     | Catenacci a leva in kit anta abbinata<br><i>Locking kit for combined leaf</i>  |
| ACP 5049     | Braccio supplementare per L>1000mm<br><i>Additional window arm for L&gt;1000mm</i>   |
| ACP 5052     | Catenaccioli a spinta in kit in alluminio con eccentrico di registrazione per anta semifissa<br><i>Metal bolt kit for passive leaf</i> |
| ACP 5053     | Giunzione astina per prolunga catenaccioli ACP 5052<br><i>Connection rod for extension bolt ACP 5052</i>                               |
| ACP 5056     | Kit chiusura supplementare orizzontale / fulcro<br><i>Horizontal additional kit</i>  |

|            |   |
|------------|---|
| ACP 5057   | Kit chiusura supplementare verticale<br><i>Vertical additional kit</i>  |
| ACP 5058   | Rotella inserimento guarnizione centrale<br><i>Gasket fitting roller</i>  |
| ACP 5069   | Cerniera 3 ali 3 a anta componenti inox e piastrini premontati<br><i>3-wings hinge for 3rd leaf, stainless steel components and pre-assembled plates</i>  |
| ACP 5079   | Tappo riporto central versione giunto aperto<br><i>Double casement plug - open joint type</i>   |
| ACP 5081   | Incontro asta singolo in nylon<br><i>Nylon keeper single rod</i>  |
| ACP 5082   | Incontro asta doppio in nylon<br><i>Nylon double rod keeper</i>   |
| ACP 5083   | Tappo riporto central versione doppia battuta<br><i>Double casement plug - double rebate type</i>   |
| ACP 5084   | Squadretta marmolada per telai e imbptti<br><i>Alignment corner joint with tightening screw for frames and wall profiles</i>  |
| ACP 5091M  | Frizione bilico con fermo<br><i>Pivot clutch with stop</i>  |
| ACP 5093   | Tappi cassonetto<br><i>Box covers</i>   |
| ACP 5095   | Inviti guida tapparella<br><i>Roller shutter guide supports</i>   |
| ACP 5100   | Kit piastre per frizione bilico ACP 5091M<br><i>Plate kit for ACP 5091M pivot clutch with stop</i>  |
| ACP 5150/D | Kit anta ribalta SECRET più cerniera a scomparsa destra braccio corto - portata max 100kg<br><i>Tilt and turn windows kit SECRET serie. It is included concealed hinge for DX short arm - Max load 100kg</i>                    |
| ACP 5150/S | Kit anta ribalta SECRET più cerniera a scomparsa sinistra braccio corto - portata max 100kg<br><i>Tilt and turn windows kit, SECRET serie. It is included concealed hinge for SX short arm - Max load 100kg</i>                 |
| ACP 5151/D | Kit anta ribalta SECRET più cerniera a scomparsa destra braccio lungo - portata max 100kg<br><i>Tilt and turn windows kit, SECRET serie. It is included hidden hinge for DX long arm - Max load 100kg</i>                       |
| ACP 5151/S | Kit anta ribalta SECRET più cerniera a scomparsa sinistra braccio lungo - portata max 100kg<br><i>Tilt and turn windows kit, SECRET serie. It is included hidden hinge for SX long arm - Max load 100kg</i>                     |
| ACP 5152   | Incontro doppio in zama SECRET per finestra 2 ante battente<br><i>Zamak double keeper for casement window</i>   |
| ACP 5153   | Braccio supplementare SECRET per L >1000mm da abbinare ad ACP 5151<br><i>Secret additional window arm for ACP 5151, L&gt;1000mm</i>   |
| ACP 5154   | Rostro di chiusura regolabile per soluzione con cerniere a scomparsa SECRET<br><i>Registrable beak for SECRET hinge</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<br><i>Additional locking piece for tilt &amp; turn SECRET serie. L&gt;1000mm, H&gt;1200mm</i> |

|            |  |
|------------|--|
| ACP 5156   | Catenacciolo anta passiva in abbinamento ad anta ribalta SECRET<br><i>Bolt for passive leaf, SECRET tilt &amp; turn mechanism</i>  |
| ACP 5157   | Kit catenacci con manovra bidirezionale SECRET anta passiva<br><i>Bolt kit and SECRET bidirectional mechanism for passive leaf</i>   |
| ACP 5158   | Incontro singolo in zama per catenacciolo superiore anta passiva ribalta SECRET, abbinare a ACP 5160<br><i>Zamak single keeper for SECRET passive tilt &amp; turn mechanism</i>          |
| ACP 5159   | Terminale in zama SECRET, finestre a battente<br><i>Zamak SECRET rod-end for casement windows</i>  |
| ACP 5160   | Kit manovra antaribalta SECRET. Abbinare a ACP 5150 e ACP 5151<br><i>SECRET tilt and turn kit for ACP 5150 and ACP 5151</i>  |
| ACP 5161/D | Kit cerniere a scomparsa SECRET anta passiva destra - portata max 100kg<br><i>SECRET concealed hinges, right - Max load 100kg</i>  |
| ACP 5161/S | Kit cerniere a scomparsa SECRET anta passiva sinistra - portata max 100kg<br><i>SECRET concealed hinges, left - Max load 100kg</i>   |
| ACP 5162/D | Kit A/R con cerniere a scomparsa SECRET anta destra braccio corto - portata max 150kg<br><i>SECRET tilt and turn mechanism with concealed hinges, right, short arm - Max load 150kg</i>  |
| ACP 5162/S | Kit A/R con cerniera a scomparsa SECRET anta sinistra braccio corto - portata max 150kg<br><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<br><i>SECRET tilt and turn mechanism with concealed hinges, right, long arm - Max load 150kg</i>   |
| ACP 5163/S | Kit A/R con cerniera a scomparsa SECRET anta sinistra braccio lungo - portata max 150kg<br><i>SECRET tilt and turn mechanism with concealed hinges, left, long arm - Max load 150kg</i>  |
| ACP 5164/D | Kit cerniere a scomparsa SECRET anta passiva destra - portata max 150kg<br><i>SECRET concealed hinges, right - Max load 150kg</i>  |
| ACP 5164/S | Kit cerniere a scomparsa SECRET anta passiva sinistra - portata max 150kg<br><i>SECRET concealed hinges, left - Max load 150kg</i>   |
| AGP 5198   | Meccanismo martellina monodirezionale per A/R quadro 7mm<br><i>Martellina handle mechanism monodirectional for A/R windows, 7mm</i>  |
| AGP 5199   | Meccanismo martellina bidirezionale per battente quadro 7mm<br><i>Bidirectional martellina handle mechanism for casement windows, 7mm</i>  |
| ACP 5501   | Squadretta maggiorata 23X35mm a pulsante<br><i>Oversized bracket 23x35mm with push-button</i>  |
| ACP 5504   | Squadretta 23X14mm estrusa, angolo variabile min. 30° max.178°<br><i>Bracket 23x14mm, variable angle, min 30° max 178°</i>   |
| ACP 5506   | Squadretta maggiorata 23X35mm estrusa, angolo variabile min. 55° max.315°<br><i>Oversized bracket 23x35mm, variable angle, min 55° max 315°</i>  |
| ACP 5521   | Cavallotto a pulsante 23X14mm in pressofuso<br><i>Cross junction 23x14mm, die-cast, with push-button</i>   |
| ACP 5800   | Spina per squadretta multifunzione ACP 5801, ACP 5802, ACP 6235 e ACP 7001<br><i>Pin for ACP 5801, ACP 5802, ACP 6235 and ACP 7001 multifunction corner joints</i>                       |

|             |  |
|-------------|--|
| ACP 5801    | Squadretta 23X14mm multifunzione, avvitare, spinare e cianfrinare<br><i>Multi-purpose bracket 23x14mm, screwing, broaching and crimping</i>            |
| ACP 5802    | Squadretta maggiorata 23X35mm multifunzione, avvitare, spinare e cianfrinare<br><i>Multi-purpose bracket 23x135m, screwing, broaching and crimping</i> |
| ACP 5805    | Squadretta pressofusa 23X14mm angolo variabile min.60° max 120°<br><i>Bracket 23x14mm variable angle - strong min 60° max 120°</i>                     |
| ACP 5821    | Cavallotto 23x14mm in pressofuso con grano e codolo<br><i>Cross junction 23x14mm die-cast with dowel and shank</i>                                     |
| ACP 6502    | Squadretta 20x10mm a bottone<br><i>Bottom corner joint 20x10mm</i>   |
| ACP 7207    | Cavallotto di allineamento scocca esterna profili dritti<br><i>External alignment clamp for plane profiles</i>   |
| ACP 7208    | Cavallotto di allineamento scocca esterna profili raggiati<br><i>Cross junction for rounded profiles</i>   |
| ACP 9909    | Spessore 8mm per cerniere ad applicazione frontale<br><i>8mm thickness for frontal hinges</i>  |
| ACP 9915    | Spessore 7mm per cerniere ad applicazione frontale<br><i>7mm thickness for frontal hinges</i>  |
| ACP 9918    | Cerniera Strong a 2 ali per telai piani<br><i>2-wing Strong hinge for flat frame</i>   |
| ACP 9938    | Cerniera Strong a 2 ali, 3° anta anche per telai complanari<br><i>2-wing 3rd leaf Strong hinge for flat frame</i>                                      |
| ACP 9963/60 | Cerniera frontale, 3 ali interasse 60mm<br><i>3 wings frontal hinge, 60mm</i>  |
| ACP 9963/93 | Cerniera frontale, 3 ali interasse 93mm<br><i>3 wings frontal hinge, 93mm</i>  |
| ACP 9964/60 | Cerniere frontale 2 ali interasse 60mm<br><i>2 wings frontal hinge, 60mm</i>   |
| ACP 9964/93 | Cerniere frontale 2 ali interasse 93mm<br><i>2 wings frontal hinge, 93mm</i>   |
| ACP 9973    | Kit fissaggio cerniere applicazione frontale 2 ali<br><i>2-wings front hinge kit</i>   |
| ACP 9974    | Kit fissaggio cerniere applicazione frontale 3 ali<br><i>3-wings front hinge kit</i>   |
| ACP 9998    | Dima di foratura per cerniere applicazione frontale<br><i>Front hinge holes template</i>   |
| ACP 50010   | Avvolgibile senza placca<br><i>Winder without plate</i>  |
| ACP 50011   | Placca per avvolgitore<br><i>Plate for winder</i>  |
| ACP 50095   | Guida cinghia a cassonetto<br><i>Box belt guide</i>  |

|                |   |
|----------------|---|
| ACP 50110      | Squadretta allineamento con eccentrici di tiraggio per ante<br><i>Alignment corner bracket with tightening eccentrics</i>   |
| ACP 50117D     | Mensola destra per supporto a squadro ACP 50220<br><i>Right bracket for square support ACP 50220</i>  |
| ACP 50117S     | Mensola sinistra per supporto a squadro ACP 50220<br><i>Left bracket for square support ACP 50220</i>   |
| ACP 50122      | Clip fermavetro<br><i>Glazing bead clip</i>   |
| ACP 50123      | Cerniera piatta per porte "va e vieni" doppia azione in alluminio estruso RAL 9010<br><i>Plate swing hinge- double direction made in aluminum extruded</i>                                |
| ACP 50128      | Cappetta scarico acqua in nylon<br><i>Nylon drainage plug, black.</i>   |
| ACP 50128C     | Cover in alluminio, da abbinare ad ACP 50128. Disponibile in tutte le finiture<br><i>Aluminium cover to ACP 50128</i>   |
| ACP 50146/350  | Braccio ribalta manovra logica 345/410mm. Abbinare ACP 50180<br><i>Logical tilt &amp; turn arm 345/410mm for ACP 50180</i>  |
| ACP 50146/411  | Braccio ribalta manovra logica 345/410mm. Abbinare ACP 50180<br><i>Logical tilt &amp; turn arm 411/541mm for ACP 50180</i>  |
| ACP 50146/541  | Braccio ribalta manovra logica 345/410mm. Abbinare ACP 50180<br><i>Logical tilt &amp; turn arm 345/410mm for ACP 50180</i>  |
| ACP 50149      | Braccio supplementare per L>1000mm ribalta manovra logica<br><i>Logical tilt &amp; turn additional arm for L&gt;1000mm</i>  |
| ACP 50156      | Kit anta ribalta per telai piani senza cremonese<br><i>Tilt &amp; turn kit for flat frame, no cremonese handle</i>  |
| ACP 50157      | Kit anta ribalta senza cremonese per telai complanari interni<br><i>Tilt &amp; turn kit for flat frame, no cremonese handle</i>   |
| ACP 50158      | Kit chiusura 6 punti per bilico/scorrevole parallelo. Abbinare a ACP 5092 e ACP 5092V<br><i>Pivot closer 6 locking piece set. Combined with ACP 5092 and ACP 5092V</i>                    |
| ACP 50159D     | Kit base scorrevole parallelo dx portata 150kg per anta<br><i>Parallel slide base kit, right, capacity 150kg per leaf</i>   |
| ACP 50159S     | Kit base scorrevole parallelo sx portata 150kg per anta<br><i>Parallel slide base kit, left, capacity 150kg per leaf</i>  |
| ACP 50160/1100 | Kit binari per scorrevole parallelo L anta = da 851mm a 1100mm<br><i>Parallel slide track kit L=851mm to 1100mm</i>   |
| ACP 50160/1350 | Kit binari per scorrevole parallelo L anta = da 1101mm a 1350mm<br><i>Parallel slide track kit L=1101mm to 1350mm</i>   |
| ACP 50160/1600 | Kit binari per scorrevole parallelo L anta = da 1351mm a 1600mm<br><i>Parallel slide track kit L=1351mm to 1600mm</i>   |
| ACP 50161/1200 | Kit forbici scorrevole parallelo soluzione manuale per ante fino a L 1200mm, abbinare ad ACP 50165<br><i>Developed scissor sliders kit for leaf up to 1200mm, matching with ACP 50165</i> |

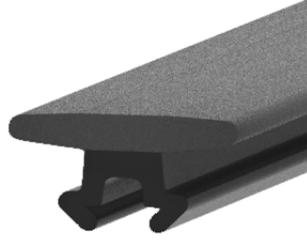
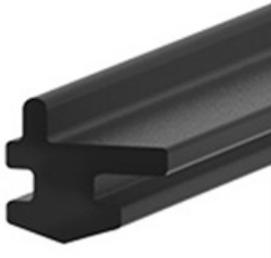
|           |   |
|-----------|---|
| ACP 50162 | <p>Kit forbici scorrevole parallelo soluzione automatica per ante, fino a L=1600mm di anta utilizzare ACP 50159, da 1600 a 2000mm occorrono carrelli con portata 180kg. Kit disponibile su richiesta da abbinare alla maniglia ACP 50170</p> <p><i>Developed scissor sliders kit for leaf up to 2000mm. Up to 1600mm matching with ACP 50165. From 1600 to 2000mm, use trailers with capacity 180kg. Available on request only matching with handle ACP 50170</i></p> |
| ACP 50163 | <p>Kit accessori per trasformare il kit manuale ACP 50161 in semiautomatico</p> <p><i>Accessories kit to make semiautomatic ACP 50161 mechanism</i></p>   |
| ACP 50164 | <p>Kit coperture. Disponibile nelle colorazioni argento ossidato, RAL 9010 e nero elettro-colore</p> <p><i>Cover kit, finish available: silver, RAL 9010, black</i></p>   |
| ACP 50165 | <p>Spessori per forbici da abbinare con ACP 50161/1200 o ACP 50162</p> <p><i>Thickness matching with ACP 50161/1250 or ACP 50162</i></p>  |
| ACP 50166 | <p>Placchetta di fermo - per modificare il kit forbici manuale in semiautomatico da abbinare ad ACP 50163</p> <p><i>Plate to make semiautomatic the developed scissor sliders kit - matching with ACP 50163</i></p>   |
| ACP 50167 | <p>Kit supplementare al kit 50161 per ante oltre L 1200mm da abbinare alle astine ACP 50168 e ACP 50169</p> <p><i>Additional kit matching with ACP 50168 and ACP 50169, leaf up to 1200mm</i></p>   |
| ACP 50168 | <p>Astina per kit supplementare ACP 50167 per ante da L 1201mm fino a 1350mm</p> <p><i>Rod ACP 50167 for additional kit, leaf 1201mm to 1350mm</i></p>  |
| ACP 50169 | <p>Astina per kit supplementare ACP 50167 per ante da L 1351mm fino a 1600mm</p> <p><i>Rod ACP 50167 for additional kit, leaf 1351mm to 1600mm</i></p>  |
| ACP 50175 | <p>Kit finestra battente 1 anta: blocchetti di collegamento, incontri, terminali asta, piastrino sostegno anta</p> <p><i>1-leaf casement windows kit</i></p>  |
| ACP 50176 | <p>Cremonese Aurora monodirezionale con antirollio per anta ribalta e scorrevole parallelo</p> <p><i>Aurora cremonese monodirectional with anti-roll plates for tilt &amp; turn and parallel sliding system</i></p>   |
| ACP 50180 | <p>Kit anta ribalta fulcro orizzontale/manovra logica</p> <p><i>Logical tilt &amp; turn kit</i></p>   |
| ACP 50240 | <p>Quadro lungo per doppia maniglia Aurora 8x135mm</p> <p><i>Aurora double handle 8x135mm</i></p>   |
| ACP 50241 | <p>Basetta copricilindro per doppia maniglia Aurora</p> <p><i>Base for cylinder dust cap for Aurora double handle</i></p>   |
| ACP 50252 | <p>Martellina Aurora quadro 7mm</p> <p><i>Aurora martellina handle 7mm</i></p>  |
| ACP 50253 | <p>Martellina Aurora con chiave quadro 7mm</p> <p><i>Aurora martellina handle with key, 7mm</i></p>   |
| ACP 50267 | <p>Meccanismo martellina bidirezionale per bilico Ent. 23/35mm. Abbinare con ACP 50268</p> <p><i>Bidirectional martellina handle mechanism 23/25mm for pivot window. Using with ACP 50268</i></p>   |
| ACP 50268 | <p>Perno di collegamento per ACP 50267, L=31mm</p> <p><i>Connecting pin for ACP 50267, L=31mm</i></p>   |
| ACP 50311 | <p>Movimento monodirezionale per maniglia EXENS</p> <p><i>Monodirectional mechanism for EXENS handle</i></p>  |
| ACP 50312 | <p>Movimento bidirezionale per maniglia EXENS</p> <p><i>Bidirectional mechanism for EXENS handle</i></p>  |

|           |   |
|-----------|---|
| ACP 50314 | Maniglia EXENS linea Aurora<br><i>Aurora EXENS handle</i>   |
| ACP 50318 | Doppia maniglia EXENS linea Aurora per porte<br><i>Aurora EXENS double handle for door</i>  |
| ACP 50321 | EXENS linea tonda con chiave<br><i>EXENS handle with key</i>  |
| ACP 50420 | Cavallotto 23X14mm a scatto in estruso<br><i>Snap clamp 23x14mm extruded</i>  |
| ACP 50425 | Cavallotto con eccentrici di serraggio per inglesine<br><i>Cross-junction with tightening eccentrics for astragal bars</i>  |
| ACP 50454 | Cavallotto a scatto in alluminio estruso per traversi<br><i>Extruded aluminium snap cross junction for transoms</i>   |
| ACP 50535 | Fresa scalino 9,5 - 19 per applicazione regolo obliquo ACP 50539<br><i>Two diameter cutter for wall spacer fittings</i>   |
| ACP 50536 | Regolo obliquo in zama per viti tradizionali<br><i>Zamak wall spacer</i>  |
| ACP 50537 | Dima di posizionamento per foratura profilo per applicazione ACP 50536 e ACP 50539<br><i>Profile drilling position template for fitting ACP 50536 and ACP 50539</i> |
| ACP 50538 | Fresa a due diametri per 7/14mm applicazione regolo obliquo per ACP 50536<br><i>Two diameter cutter for fitting ACP 50536 wall spacer fitting</i>                   |
| ACP 50539 | Regolo obliquo in nylon per turboviti<br><i>Nylon wall spacer</i>   |
| ACP 50704 | Cassetta semi incasso<br><i>Semi-embedded box</i>   |
| ACP 50705 | Avvolgibile con placca nera per cinghia tapparella<br><i>Winder with black plate for roller shutter belt</i>  |
| ACP 50825 | Puleggia da 180mm<br><i>180mm pulley</i>  |
| ACP 50832 | Calotta di supporto per rullo<br><i>Roller support cover</i>  |
| ACP 51001 | Guida cinghia da montante<br><i>Jamb belt guide</i>   |
| ACP 51190 | Boccola di giunzione rullo/puleggia e rullo/calotta<br><i>Joint bushing for roller/pulley and roller/cover</i>  |
| ACP 51520 | Vite di fissaggio supporto/mensole<br><i>Support/bracket fastening screw</i>  |
| ACP 50200 | Cremonese Aurora bidirezionale completa di piastrini antirollio<br><i>Aurora cremonese doubledirectional handle with anti-roll plates</i>                           |
| ACP 50204 | Cremonese apertura esterna Aurora con tenoni preforati. Da abbinare a ACP 50206<br><i>Aurora external opening Cremonese handle to combined with ACP 50206</i>       |
| ACP 50206 | Perno di trascinalamento per Cremonese Aurora apertura esterna ACP 50204<br><i>Drag pin for external opening Cremonese handle to combined with ACP 50204</i>        |

|             |  |
|-------------|--|
| ACP 50220   | Supporto a squadro 46X10mm rullo tapparella<br><i>Square bracket 46x10mm for rolling shutter</i>   |
| ACP 50232   | Manico per cremonese Aurora ACP 50233<br><i>Handle for Aurora cremonese ACP 50233</i>  |
| ACP 50233   | Cremonese Aurora bidirezionale, senza manico, completa di piastrino antirollio<br><i>Aurora bidirectional cremonese with anti-roll plates, handle excluded</i>                                 |
| ACP 50234   | Cremonese Aurora bidirezionale con chiave<br><i>Aurora bidirectional cremonese with key</i>  |
| ACP 50235/D | Cremonese Aurora monodirezionale destra con chiave<br><i>Right monodirectional Aurora Cremonese handle with key</i>  |
| ACP 50235/S | Cremonese Aurora monodirezionale sinistra con chiave<br><i>Left monodirectional Aurora Cremonese handle with key</i>   |
| ACP 50239   | Doppia maniglia Aurora per porte<br><i>Aurora double handle for door</i>   |
| ACP 50240   | Quadro lungo per doppia maniglia Aurora 8x135mm<br><i>Aurora double handle 8x135mm</i>   |
| ACP 99125   | Piastrino registrabile universale per le cerniere Strong ACP 9918 e ACP 9938<br><i>Adjustable plate for Strong hinge ACP 9918 and ACP 9938</i>   |
| AGG 3000    | Guarnizione di battuta per telai capannoni e imbotti porte interne<br><i>Rebate gasket for industrial shed frames and wall profiles of internal wall</i>                                       |
| AGP 3092    | Giunto per finestre a nastro<br><i>Joint for ribbon windows</i>  |
| AGP 4000    | Guarnizione di battuta in EPDM<br><i>EPDM rabbet seal</i>  |
| AGP 4002    | Guarnizione isolamento perimetrale muro-telaio<br><i>Wall-frame perimeter insulation seal</i>  |
| AGP 4004    | Guarnizione di battuta in EPDM coestruso, inserimento ad infilare<br><i>Rebate gasket in co-extruded EPDM</i>  |
| AGP 4005    | Guarnizione di battuta per riporto centrale lato semifisso per versione doppia battuta<br><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<br><i>Astragal seal, semi-fixed side, for internal gasket sealing version</i>                            |
| AGP 4013    | Guarnizione vetro esterna in EPDM 2,5mm<br><i>EPDM external glazing seal 2,5mm</i>   |
| AGP 4014    | Guarnizione vetro esterna in EPDM 4mm<br><i>EPDM external glazing seal 4mm</i>   |
| AGP 4015    | Guarnizione acustica di battuta esterna, coestrusa con base rigida sostituibile<br><i>External rabbet acoustic gasket, co-extruded, with replaceable rigid base</i>                            |
| AGP 4040    | Guarnizione chiudi cava 15mm, color argento<br><i>Frame recess cover strip 15mm and beat sliding version, silver color</i>   |
| AGP 4085    | Angolo vulcanizzato per guarnizione di battuta AGP 4000<br><i>Vulcanized corner gasket for AGP 4000</i>  |

|           |   |
|-----------|---|
| AGP 4099  | Guarnizione isolamento perimetrale telaio-controtelaio<br><i>Frame-subframe perimeter insulating seal</i>   |
| AGP 4203  | Guarnizione vetro interna in 3mm filo fermavetro<br><i>3mm, inner glazing bead seal</i>   |
| AGP 4204  | Guarnizione vetro interna in 4mm filo fermavetro<br><i>4mm, inner glazing bead seal</i>   |
| AGP 4205  | Guarnizione vetro interna in 5mm filo fermavetro<br><i>5mm, inner glazing bead seal</i>   |
| AGP 5806  | Spazzolino dim. 5.8X6mm per profili monoblocco<br><i>Brush strip 5.8 X 6mm for single-unit profiles</i>   |
| AGP 4206  | Guarnizione vetro interna in 6mm filo fermavetro<br><i>6mm, inner glazing bead seal</i>   |
| AGP 4501R | Guarnizione giunto aperto<br><i>Open joint gasket</i>   |
| AGP 4807  | Spazzolino dim. 4.8X7mm per sottoporta<br><i>Under door brush strip 4.8X7mm</i>   |
| AGP 4885R | Angolo vulcanizzato 40x40mm per guarnizione AGP 4501<br><i>Vulcanized corner 40x40mm for AGP 4501R gasket</i>   |
| AGP 5813  | Spazzolino dim. 5.8X13mm per celino monoblocco<br><i>Automatic door gasket</i>  |
| AGP 6201  | Guarnizione per porte automatiche<br><i>Brush strip 5.8 X 13mm for single-unit profiles</i>   |
| AGP 6231  | Guarnizione sottovetro in espanso. Applicazione con biadesivo<br><i>Seal under glass foam. Application with adhesive</i>  |
| AGP 6280  | Guarnizione di giunzione telaio battente-telaio scorrevole<br><i>Side-hung frame/sliding frame interface seal</i>   |
| AGP 7202  | Guarnizione sottoporta<br><i>Under door gasket</i>  |
| AGP 7007  | Guarnizione vetro esterna da 3mm, filo alluminio, consente la piega a 90° senza taglio<br><i>External glazing seal, 3 mm, installed flush with aluminum. Can be bent at a 90° angle without cutting</i> |
| TAC 1000  | Astina in poliammide. Disponibile in grigio e nero<br><i>PA rod. Available in color grey and black</i>  |

## ELENCO GUARNIZIONI

|   |  |  |  |
|---|--|--|--|
|    | <p><b>AGG 3000</b></p> <p>Guarnizione di battuta per telai capannoni e imbotti porte interne<br/>Cfz: 100m</p> <p><i>Rebate gasket for industrial shed frames and wall profiles of internal wall</i><br/>Pkg: 300m</p> |    | <p><b>AGP 4005</b></p> <p>Guarnizione di battuta per riporto centrale lato semifisso per versione doppia battuta<br/>Cfz: 300m</p> <p><i>Rebate gasket for central connection profile on the semi-fixed side for double rebate version</i><br/>Pkg: 300m</p> |
|    | <p><b>AGP 4000</b></p> <p>Guarnizione di battuta in EPDM<br/>Cfz: 400m</p> <p><i>EPDM rabbet seal</i><br/>Pkg: 400m</p>  |    | <p><b>AGP 4013</b></p> <p>Guarnizione esterna in EPDM 2,5mm<br/>Cfz: 200m</p> <p><i>EPDM external glazing seal 2,5mm</i><br/>Pkg: 200m</p>   |
|  | <p><b>AGP 4002</b></p> <p>Guarnizione isolamento perimetrale muro-telaio<br/>Cfz: 200m</p> <p><i>Wall-frame perimeter insulation seal</i><br/>Pkg: 200m</p>  |  | <p><b>AGP 4014</b></p> <p>Guarnizione esterna in EPDM 4mm<br/>Cfz: 200m</p> <p><i>EPDM external glazing seal, 4mm</i><br/>Pkg: 200m</p>  |
|  | <p><b>AGP 4004</b></p> <p>Guarnizione di battuta in EPDM coestruso, inserimento ad infilare<br/>Cfz: 300m</p> <p><i>Rebate gasket in co-extruded EPDM</i><br/>Cfz: 300m</p>  |  | <p><b>AGP 4015</b></p> <p>Guarnizione acustica di battuta esterna, coestrusa con base rigida sostituibile<br/>Cfz: 750m</p> <p><i>External rabbet acoustic gasket, co-extruded, with replaceable rigid base</i><br/>Pkg: 750m</p>                            |
|  | <p><b>AGP 4006</b></p> <p>Guarnizione di battuta in EPDM coestruso, inserimento ad infilare<br/>Cfz: 300m</p> <p><i>Rebate gasket in co-extruded EPDM</i><br/>Cfz: 300m</p>  |  | <p><b>AGP 4085</b></p> <p>Angoletto vulcanizzato per AGP 4000<br/>Cfz: 400 pz</p> <p><i>Vulcanized corner piece for AGP 4000</i><br/>Pkg: 400 pcs</p>  |

|   |  |
|---|--|
|  | <b>AGP 6280</b>  |
|   | <p>Guarnizione di giunzione telaio battente-telaio scorrevole<br/>Cfz: 300m</p> <p><i>Side-hung frame/sliding frame interface seal<br/>Pkg: 300m</i></p> |

|  |  |
|--|--|
|  | <b>AGP 7007</b>  |
|  | <p>Guarnizione vetro esterna da 3mm, filo alluminio, consente la piega a 90° senza taglio<br/>Cfz: 250m</p> <p><i>External glazing seal, 3 mm, installed flush with aluminum. Can be bent at a 90° angle without cutting<br/>Pkg: 250m</i></p> |

|   |   |
|---|---|
|  | <b>AGP 4203</b>   |
|   | <p>Guarnizione vetro interna, 3mm filo fermavetro. Consente la piega a 90°<br/>Cfz: 200m</p> <p><i>Inner glazing bead seal, 3mm<br/>Pkg: 200m</i></p> |

|  |  |
|--|--|
|  | <b>AGP 4501R</b>   |
|  | <p>Guarnizione giunto aperto<br/>Cfz: 90m</p> <p><i>Open joint gasket<br/>Pkg: 90m</i></p> |

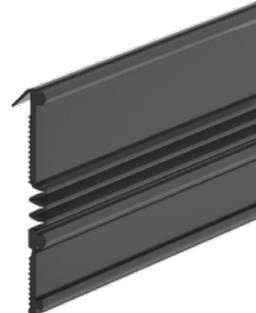
|   |   |
|---|---|
|  | <b>AGP 4204</b>   |
|   | <p>Guarnizione vetro interna, 4mm filo fermavetro. Consente la piega a 90°<br/>Cfz: 150m</p> <p><i>Inner glazing bead seal, 4mm<br/>Pkg: 150m</i></p> |

|  |  |
|--|--|
|  | <b>AGP 4885R</b>   |
|  | <p>Angolo vulcanizzato per AGP 4501R<br/>Cfz: 400 pz</p> <p><i>Corner joint for AGP 4501R<br/>Pkg: 400 pcs</i></p> |

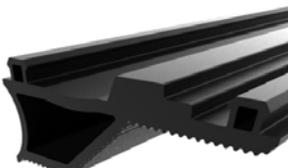
|   |   |
|---|---|
|  | <b>AGP 4205</b>   |
|   | <p>Guarnizione vetro interna, 5mm filo fermavetro. Consente la piega a 90°<br/>Cfz: 120m</p> <p><i>Inner glazing bead seal, 5mm<br/>Pkg: 120m</i></p> |

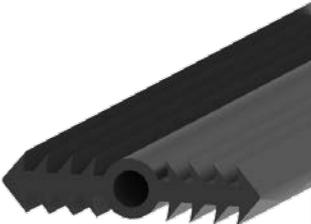
|  |  |
|--|--|
|  | <b>AGP 7202</b>  |
|  | <p>Angolo vulcanizzato per AGP 62172<br/>Cfz: 400 pz</p> <p><i>Corner joint for AGP 62172<br/>Pkg: 400 pcs</i></p> |

|   |   |
|---|---|
|  | <b>AGP 4206</b>   |
|   | <p>Guarnizione vetro interna, 6mm filo fermavetro. Consente la piega a 90°<br/>Cfz: 100m</p> <p><i>Inner glazing bead seal, 6mm<br/>Pkg: 100m</i></p> |

|  |  |
|--|--|
|  | <b>AGP 4099</b>  |
|  | <p>Guarnizione isolamento perimetrale telaio-controtelaio<br/>Cfz: 50m</p> <p><i>Frame-subframe perimeter insulating seal<br/>Pkg: 50m</i></p> |

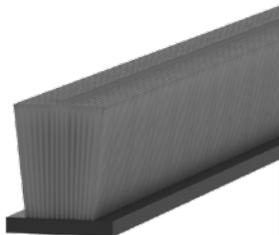
|   |  |
|---|--|
|  | <b>AGP 4040</b>  |
|   | <p>Guarnizione chiudi cava<br/>15mm color argento<br/>Cfz: 100m</p> <p><i>Frame recess cover strip 15mm and beat<br/>sliding version, silver color<br/>Pkg: 100m</i></p> |

|  |  |
|--|--|
|  | <b>AGP 6201</b>  |
|  | <p>Guarnizione per porte<br/>automatiche<br/>Cfz: 35m</p> <p><i>Automatic door gasket<br/>Pkg: 35m</i></p> |

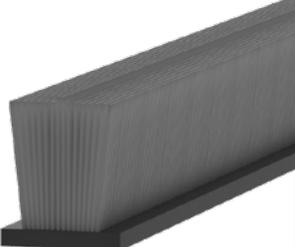
|   |  |
|---|--|
|  | <b>AGG 3092</b>  |
|   | <p>Giunto per finestre a<br/>nastro<br/>Cfz: 65m</p> <p><i>Joint for ribbon windows<br/>Pkg: 65m</i></p> |

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

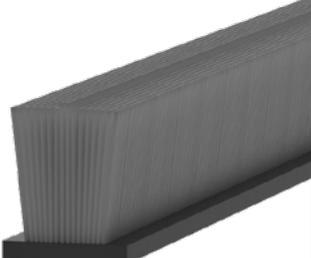
## ELENCO ACCESSORI GENERICI

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

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

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

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

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

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

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

|  |  |
|--|--|
|  | <b>ACP 5079</b>  |
|  | <p>Tappo per riporto centrale<br/>versione giunto aperto<br/>Cfz: 25 cp</p> <p><i>Astragal plug open joint<br/>Pkg: 25 pairs</i></p> |

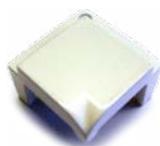
|   |  |
|---|--|
|  | <b>ACP 5036</b>  |
|   | <p>Regolo a muro in metallo<br/>Cfz: 100 pz</p> <p><i>Metal wall spacer<br/>Pkg: 100 pcs</i></p> |

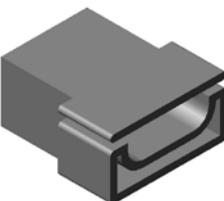
|  |   |
|--|---|
|  | <b>ACP 5083</b>   |
|  | <p>Tappo per riporto centrale<br/>versione doppia battuta<br/>Cfz: 25 cp</p> <p><i>Astragal plug double rebate type<br/>Pkg: 25 pcs</i></p> |

|   |   |
|---|---|
|  | <b>ACP 50128</b>  |
|   | <p>Cappetta scarico acqua in<br/>nylon<br/>Cfz: 100 pz</p> <p><i>Nylon drainage plug<br/>Pkg: 100 pcs</i></p> |

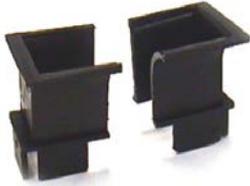
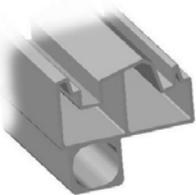
|  |   |
|--|---|
|  | <b>ACP 50122</b>  |
|  | <p>Clip fermavetro<br/>Cfz: 200 pz</p> <p><i>Glazing bead clip<br/>Pkg: 200 pcs</i></p> |

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

|  |   |
|--|---|
|  | <b>ACP 5014</b>   |
|  | <p>Angolino fermavetro tondo<br/>Cfz: 160 pz</p> <p><i>Round glazing bead corner<br/>Pkg: 160 pcs</i></p> |

|   |   |
|---|---|
|  | <b>ACP 5023</b>   |
|   | <p>Tappo anti intestatura univer-<br/>sale per cava 25mm<br/>Cfz: 50 pz</p> <p><i>Universal anti-butting cap for 25mm bead-<br/>less type profile<br/>Pkg: 50 pcs</i></p> |

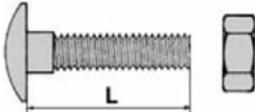
|  |   |
|--|---|
|  | <b>ACP 50535</b>  |
|  | <p>Fresa a due diametri 9/19mm<br/>applicazione regolo obliquo<br/>ACP 50539<br/>Cfz: 1 pz</p> <p><i>Two diameter cutter for wall spacer fitting<br/>Pkg: 1 pcs</i></p> |

|   |  |  |  |
|---|--|--|--|
|    | <p align="center"><b>ACP 50536</b></p> <p>Regolo obliquo in zama per viti tradizionali<br/>Cfz: 100 pz</p> <p><i>Zamak wall spacer<br/>Pkg: 100 pcs</i></p>  |    | <p align="center"><b>ACP 5095</b></p> <p>Inviti guida tapparella<br/>Cfz: 50 cp</p> <p><i>Roller shutter guide supports<br/>Pkg: 50 pcs</i></p>                                      |
|    | <p align="center"><b>ACP 50537</b></p> <p>Dima di posizionamento per foratura profilo per applicazione ACP 50536 e ACP 50539<br/>Cfz: 1 pz</p> <p><i>Profile drilling position template for fitting ACP 50536 and ACP 50539<br/>Pkg: 1 pcs</i></p> |    | <p align="center"><b>ACP 50010</b></p> <p>Avvolgitore senza placca<br/>Cfz: 1 pz</p> <p><i>Winder without plate<br/>Pkg: 1 pcs</i></p>   |
|  | <p align="center"><b>ACP 50538</b></p> <p>Fresa a due diametri per 7/14mm applicazione regolo obliquo per ACP 50536<br/>Cfz: 1 pz</p> <p><i>Two diameter cutter for fitting ACP 50536 wall spacer fitting<br/>Pkg: 1 pcs</i></p>                   |  | <p align="center"><b>ACP 50011</b></p> <p>Placca per avvolgitore<br/>Cfz: 1 pz</p> <p><i>Plate for winder<br/>Pkg: 1 pcs</i></p>   |
|  | <p align="center"><b>ACP 50539</b></p> <p>Regolo obliquo in nylon per turbovite<br/>Cfz: 100 pz</p> <p><i>Nylon wall spacer<br/>Pkg: 100 pcs</i></p>   |  | <p align="center"><b>ACP 50095</b></p> <p>Guida cinghia a cassonetto<br/>Cfz: 1 pz</p> <p><i>Box belt guide<br/>Pkg: 1 pcs</i></p>   |
|  | <p align="center"><b>ACP 5093</b></p> <p>Tappi cassonetto<br/>Cfz: 1 cp</p> <p><i>Box covers<br/>Pkg: 1 pairs</i></p>  |  | <p align="center"><b>ACP 50117D</b></p> <p>Mensola destra per supporto a squadra ACP 50220<br/>Cfz: 1 pz</p> <p><i>Right bracket for square support ACP 50220<br/>Pkg: 1 pcs</i></p> |

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

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

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

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

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

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

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

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

## ELENCO ACCESSORI PER GIUNZIONE

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

|  |   |
|--|---|
|  | <b>ACP 5001</b>   |
|  | Vite Ø8mm per squadrette multifunzione ACP 7001, ACP 7002, ACP 5801 e ACP 5802<br>Cfz: 1000 pz<br><i>Screw Ø8mm for ACP 7001, ACP 7002, ACP 5801 e ACP 5802 multifunctional corner joints<br/>Pkg: 1000 pcs</i> |

|   |  |
|---|--|
|  | <b>AC 2001</b>   |
|   | <p>Vite trilobata per ACP 50420 and ACP 50454<br/>Cfz: 250 pz</p> <p><i>Trilobate screw for ACP 50420 and ACP 50454<br/>Pkg: 250 pcs</i></p> |

|  |   |
|--|---|
|  | <b>ACP 50110</b>  |
|  | <p>Squadretta allineamento con eccentrici di tiraggio per ante<br/>Cfz: 250 pz</p> <p><i>Alignment corner joint with tightening eccentrics<br/>Pkg: 250 pcs</i></p> |

|   |  |
|---|--|
|  | <b>ACP 5000</b>  |
|   | <p>Spina Ø8mm per ACP 5020, ACP 5054 e ACP 7220<br/>Cfz: 400 pz</p> <p><i>Pin for ACP 5020, ACP 5054 and ACP 7220<br/>Pkg: 400 pcs</i></p> |

|  |  |
|--|--|
|  | <b>ACP 5002</b>  |
|  | <p>Squadretta 23X14mm a pulsante Ø10mm strong - filettata<br/>Cfz: 250 pz</p> <p><i>Corner joint 23x14mm with push-button ø10mm strong - threaded<br/>Pkg: 250 pcs</i></p> |

|   |  |
|---|--|
|  | <b>ACP 5800</b>  |
|   | <p>Spina per squadretta multifunzione ACP 5801, ACP 5802, ACP 6235 e ACP 7001<br/>Cfz: 1000 pz</p> <p><i>Pin for ACP 5801, ACP 5802, ACP 6235 and ACP 7001 multifunctional corner joints<br/>Pkg: 1000 pcs</i></p> |

|  |   |
|--|---|
|  | <b>ACP 5501</b>   |
|  | <p>Squadretta maggiorata 23X35mm a pulsante<br/>Cfz: 250 pz</p> <p><i>Oversized bracket 23x35mm with push-button<br/>Pkg: 250 pcs</i></p> |

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

|  |   |
|--|---|
|  | <b>ACP 5504</b>   |
|  | <p>Squadretta 23X14mm estrusa angolo variabile min. 30° max.178°<br/>Cfz: 20 pz</p> <p><i>Bracket 23x14mm, variable angle, min 30° max 178°<br/>Pkg: 20 pcs</i></p> |

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

|  |  |
|--|--|
|  | <b>ACP 5506</b>  |
|  | <p>Squadretta maggiorata 23X35mm estrusa angolo variabile min. 55° max.315°<br/>Cfz: 20 pz</p> <p><i>Oversized bracket 23x35mm, variable angle, min 55° max 315°<br/>Pkg: 20 pcs</i></p> |

|   |  |
|---|--|
|  | <b>ACP 5521</b>  |
|   | <p>Cavallotto a pulsante<br/>23X14mm in pressofuso<br/>Cfz: 250 cp</p> <p><i>Cross junction 23x14mm, die-cast, with push-button<br/>Pkg: 250 pairs</i></p> |

|  |  |
|--|--|
|  | <b>ACP 7207</b>  |
|  | <p>Cavallotto di allineamento<br/>scocca esterna profili dritti<br/>Cfz: 250 dx, 250 sx pz</p> <p><i>Cross junction for flate frame<br/>Pkg: 250 dx - 250 sx pcs</i></p> |

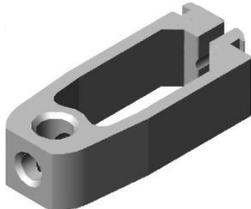
|   |   |
|---|---|
|  | <b>ACP 5801</b>   |
|   | <p>Squadretta 23X14mm<br/>multifunzione, avvitare, spina-<br/>re e cianfrinare<br/>Cfz: 200 pz</p> <p><i>Multi-purpose bracket 23x14mm,<br/>screwing, broaching and crimping<br/>Pkg: 200 pcs</i></p> |

|  |  |
|--|--|
|  | <b>ACP 7208</b>  |
|  | <p>Cavallotto di allineamento<br/>scocca esterna profili raggati<br/>Cfz: 250 dx, 250 sx pz</p> <p><i>Cross junction for rounded profiles<br/>Pkg: 250 dx - 250 sx pcs</i></p> |

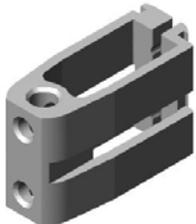
|   |   |
|---|---|
|  | <b>ACP 5802</b>   |
|   | <p>Squadretta maggiorata<br/>23X35mm multifunzione,<br/>avvitare, spinare e cianfrinare<br/>Cfz: 100 pz</p> <p><i>Multi-purpose bracket 23x135mm,<br/>screwing, broaching and crimping<br/>Pkg: 100 pcs</i></p> |

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

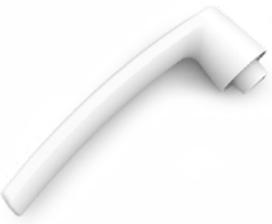
|   |  |
|---|--|
|  | <b>ACP 5805</b>  |
|   | <p>Squadretta pressofusa<br/>23X14mm angolo variabile<br/>min.60° max 120°<br/>Cfz: 20 pz</p> <p><i>Bracket 23x14mm variable angle - strong<br/>min 60° max 120°<br/>Pkg: 20 pcs</i></p> |

|  |  |
|--|--|
|  | <b>ACP 50420</b>   |
|  | <p>Cavallotto 23X14mm a scat-<br/>to in estruso<br/>Cfz: 100 pz</p> <p><i>Extruded cross junction 23x14mm<br/>Pkg: 100 pcs</i></p> |

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

|  |   |
|--|---|
|  | <b>ACP 50454</b>  |
|  | <p>Cavallotto a scatto doppio in<br/>estruso<br/>Cfz: 100 pz</p> <p><i>Extruded aluminium snap cross junction<br/>for transoms<br/>Pkg: 100 pcs</i></p> |

## ELENCO ACCESSORI DI CHIUSURA

|   |   |  |  |
|---|---|--|--|
|    | <p align="center"><b>ACP 50252</b></p> <p>Martellina Aurora quadro 7mm<br/>Cfz: 10 pz</p> <p><i>Aurora Martellina handle 7mm<br/>Pkg: 10 pcs</i></p>  |    | <p align="center"><b>ACP 50235/D</b></p> <p>Cremonese Aurora monodirezionale destra con chiave<br/>Cfz: 10 pz</p> <p><i>Right monodirectional Aurora cremonese handle with key<br/>Pkg: 10 pcs</i></p>   |
|    | <p align="center"><b>ACP 50253</b></p> <p>Martellina Aurora con chiave quadro 7mm<br/>Cfz: 10 pz</p> <p><i>Aurora martellina handle with key 7mm<br/>Pkg: 10 pcs</i></p>  |    | <p align="center"><b>ACP 50235/S</b></p> <p>Cremonese Aurora monodirezionale sinistra con chiave<br/>Cfz: 10 pz</p> <p><i>Left monodirectional Aurora cremonese handle with key<br/>Pkg: 10 pcs</i></p>  |
|  | <p align="center"><b>ACP 50200</b></p> <p>Cremonese Aurora bidirezionale completa di piastrini antirollio<br/>Cfz: 10 pz</p> <p><i>Bidirectional cremonese Aurora handle with anti-roll plates<br/>Pkg: 10 pcs</i></p>  |  | <p align="center"><b>ACP 50233</b></p> <p>Cremonese Aurora bidirezionale, senza manico, completa di piastrini anti rollio<br/>Cfz: 10 pz</p> <p><i>Aurora cremonese bidirectional with anti-roll plates, handle excluded<br/>Pkg: 10 pcs</i></p> |
|  | <p align="center"><b>ACP 50234</b></p> <p>Cremonese Aurora bidirezionale con chiave<br/>Cfz: 10 pz</p> <p><i>Aurora bidirectional cremonese handle with key<br/>Pkg: 10 pcs</i></p>   |  | <p align="center"><b>ACP 50232</b></p> <p>Manico per cremonese Aurora ACP 50233<br/>Cfz: 20 pz</p> <p><i>Cremonese Aurora handle for ACP 50233<br/>Pkg: 20 pcs</i></p>   |
|  | <p align="center"><b>ACP 50176</b></p> <p>Cremonese Aurora monodirezionale con antirollio per anta ribalta e scorrevole parallelo<br/>Cfz: 10 pz</p> <p><i>Aurora cremonese monodirectional with anti-roll plates for tilt &amp; turn and parallel sliding system<br/>Pkg: 10 pcs</i></p> |  | <p align="center"><b>ACP 5045</b></p> <p>Blocchetti collegamento cremonese in zama<br/>Cfz: 160 pz</p> <p><i>Zamak connection pieces for Cremonese handle<br/>Pkg: 160 pcs</i></p>   |

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

|  |  |
|--|--|
|  | <b>ACP 50240</b>   |
|  | <p>Quadro lungo per doppia<br/>maniglia Aurora 8X135mm<br/>Cfz: 10 pz</p> <p><i>Aurora double handle 8x135mm<br/>Pkg: 10 pcs</i></p> |

|   |   |
|---|---|
|  | <b>ACP 50321</b>  |
|   | <p>EXENS linea tonda con<br/>chiave<br/>Cfz: 10 pz</p> <p><i>EXENS with key<br/>Pkg: 10 pcs</i></p> |

|  |  |
|--|--|
|  | <b>ACP 50204</b>   |
|  | <p>Cremonese Aurora<br/>apertura esterna con tenoni.<br/>Abbinare con ACP 50206<br/>Cfz: 20 pz</p> <p><i>External opening Aurora cremonese handle<br/>to combined with ACP 50206<br/>Pkg: 20 pcs</i></p> |

|   |  |
|---|--|
|  | <b>ACP 50318</b>   |
|   | <p>Doppia maniglia EXENS linea<br/>Aurora per porte<br/>Cfz: 10 pz</p> <p><i>Aurora EXENS double handle for door<br/>Pkg: 10 pcs</i></p> |

|  |   |
|--|---|
|  | <b>ACP 50206</b>  |
|  | <p>Perno di trascinato per<br/>cremonese Aurora apertura<br/>esterna ACP 50204<br/>Cfz: - pz</p> <p><i>Drag pin to combined with ACP 50204<br/>Pkg: - pcs</i></p> |

|   |  |
|---|--|
|  | <b>ACP 50239</b>   |
|   | <p>Doppia maniglia Aurora per<br/>porte<br/>Cfz: 5 pz</p> <p><i>Aurora double handle for door<br/>Pkg: 5 pcs</i></p> |

|  |  |
|--|--|
|  | <b>ACP 5022</b>  |
|  | <p>Catenacciolo in nylon<br/>Cfz: 100 pz</p> <p><i>Bolt<br/>Pkg: 100 pcs</i></p> |

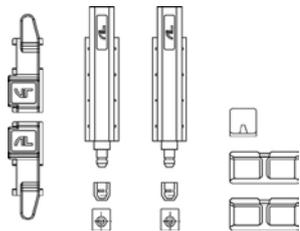
|   |  |
|---|--|
|  | <b>ACP 50241</b>   |
|   | <p>Basetta copricilindro per<br/>doppia maniglia Aurora<br/>Cfz: 10 pz</p> <p><i>Base for cylinder dust cap for Aurora<br/>double handle<br/>Pkg: 10 pcs</i></p> |

|  |  |
|--|--|
|  | <b>ACP 5025</b>  |
|  | <p>Terminale asta in nylon<br/>Cfz: 200 pz</p> <p><i>Rod terminal<br/>Pkg: 200 pcs</i></p> |

|   |   |  |  |
|---|---|--|--|
|     | <p align="center"><b>ACP 5052</b></p> <p>Catenaccioli a spinta in kit in alluminio con eccentrico di registrazione per anta semifissa<br/>Cfz: 20 pz</p> <p><i>Metal bolt set<br/>Pkg: 20 pcs</i></p> |    | <p align="center"><b>ACP 5019</b></p> <p>Riscontro 3a chiusura<br/>Cfz: 200 pz</p> <p><i>Keeper for 3rd locking piece<br/>Pkg: 200 pcs</i></p>   |
|    | <p align="center"><b>ACP 5053</b></p> <p>Giunzione astina per prolunga catenaccioli ACP 5052<br/>Cfz: 100 pz</p> <p><i>Connection rod for extension bolt<br/>ACP 5052<br/>Pkg: 100 pcs</i></p>        |    | <p align="center"><b>ACP 5021</b></p> <p>Kit 3a chiusura registrabile<br/>Cfz: 100 pz</p> <p><i>3rd adjustable locking piece kit<br/>Pkg: 100 pcs</i></p>  |
|  | <p align="center"><b>ACP 5024</b></p> <p>Incontro asta doppio in zama<br/>Cfz: 400 pz</p> <p><i>Zamak keeper double rod<br/>Pkg: 400 pcs</i></p>  |  | <p align="center"><b>ACP 5026</b></p> <p>Piastrina sostegno anta<br/>Cfz: 400 pz</p> <p><i>Plastic support for leaf<br/>Pkg: 400 pcs</i></p>   |
|  | <p align="center"><b>ACP 5081</b></p> <p>Incontro asta singolo in nylon<br/>Cfz: 50 pz</p> <p><i>Nylon keeper single rod<br/>Pkg: 50 pcs</i></p>  |  | <p align="center"><b>ACP 50312</b></p> <p>Movimento bidirezionale per maniglia EXENS<br/>Cfz: 1 pz</p> <p><i>EXENS bidirectional mechanism for<br/>EXENS handle<br/>Pkg: 1 pcs</i></p>   |
|  | <p align="center"><b>ACP 5082</b></p> <p>Incontro asta doppio in nylon<br/>Cfz: 50 pz</p> <p><i>Nylon double rod keeper<br/>Pkg: 50 pcs</i></p>   |  | <p align="center"><b>ACP 50267</b></p> <p>Meccanismo martellina bidirezionale per bilico Ent. 23/35 mm. Abbinare con ACP 50268<br/>Cfz: 20 pz</p> <p><i>Bidirectional martellina handle mechanism<br/>23725mm for pivot window. Using with<br/>ACP 50268<br/>Pkg: 20 pcs</i></p> |

|   |  |
|---|--|
|  | <b>ACP 50268</b>   |
|   | <p>Perno di collegamento per ACP 50267, L=31mm<br/>Cfz: 100 pz</p> <p><i>Connecting pin for ACP 50267, L=31mm<br/>Pkg: 100 pcs</i></p> |

|   |   |
|---|---|
|  | <b>ACP 5069</b>   |
|   | <p>Cerniera 3 ali 3a anta componenti inox e piastrini premontati<br/>Cfz: 25 pz</p> <p><i>3-wings hinge for 3rd leaf, stainless steel components and pre-assembled plates<br/>Pkg: 25 pcs</i></p> |

|   |  |
|---|--|
|  | <b>ACP 50175</b>   |
|   | <p>Kit finestra battente 1 anta: blocchetti di collegamento, incontri, terminali asta, piastrino sostegno anta<br/>Cfz: 200 kit</p> <p><i>1-leaf casement windows kit<br/>Pkg: 200 kit</i></p> |

|   |   |
|---|---|
|  | <b>ACP 5005</b>   |
|   | <p>Cerniera componenti inox e piastrini premontati per telai piani; usare 1 coppia hmax=1800mm per h oltre 1800mm inserire la 3a cerniera<br/>Cfz: 50 pz</p> <p><i>Hinge for flat frames right. Usa a pair of hinge for hmax=1800mm, 3 hinges for h&gt;1800mm<br/>Pkg: 50 pcs</i></p> |

|  |  |
|--|--|
|  | <b>ACP 5005D</b>   |
|  | <p>Cerniera premontata destra per telai piani; usare 1 coppia hmax=1800mm per h oltre 1800mm inserire la 3a cerniera<br/>Cfz: 50 pz</p> <p><i>Hinge for flat frames, preassembled components and plates. Usa a pair of hinge for hmax=1800mm, 3 hinges for h&gt;1800mm<br/>Pkg: 50 pcs</i></p> |

|   |  |
|---|--|
|  | <b>ACP 5005S</b>   |
|   | <p>Cerniera premontata sinistra per telai piani; usare 1 coppia hmax=1800mm per h oltre 1800mm inserire la 3a cerniera<br/>Cfz: 50 pz</p> <p><i>Hinge for flat frames, preassembled components and plates. Usa a pair of hinge for hmax=1800mm, 3 hinges for h&gt;1800mm<br/>Pkg: 50 pcs</i></p> |

|  |   |
|--|---|
|  | <b>ACP 5006</b>   |
|  | <p>Cerniera 3 ali componenti inox e piastrini premontati, per telai piani<br/>Cfz: 25 pz</p> <p><i>3-wings hinge for flat frames, stainless steel components and pre-assembled plates<br/>Pkg: 25 pcs</i></p> |

|  |   |
|--|---|
|  | <b>ACP 5007</b>   |
|  | <p>Cerniera 3 a anta componenti inox e piastrini premontati; usare 1 coppia hmax=1800 mm per h oltre 1800 mm inserire la 3a cerniera<br/>Cfz: 50 pz</p> <p><i>3rd leaf hinge. Use a pair of hinge for hmax=1800mm, 3 hinges for h&gt;1800mm<br/>Pkg: 50 pcs</i></p> |

**ACP 5007D**

Cerniera 3 a anta premontata destra, usare 1 coppia hmax=1800mm per h oltre 1800mm inserire la 3a cerniera  
Cfz: 50 pz

*3rd leaf hinge, inox component and preassembled plate DX. Use a pair of hinge for hmax=1800mm, 3 hinges for h>1800mm  
Pkg: 50 pcs*

**ACP 5007S**

Cerniera 3 a anta premontata sinistra, usare 1 coppia hmax=1800mm per h oltre 1800mm inserire la 3a cerniera.  
Cfz: 50 pz

*3rd leaf hinge, inox component and preassembled plate SX. Use a pair of hinge for hmax=1800mm, 3 hinges for h>1800mm  
Pkg: 50 pcs*

**ACP 5199**

Meccanismo martellina bidirezionale per battente, quadro 7mm  
Cfz: 10 pz

*Bidirectional martellina handle mechanism for casement windows, 7mm  
Pkg: 10 pcs*

**ACP 5043**

Kit cerniere per anta abbinata telai piani (Sormonto interno)  
Cfz: 10 pz

*Hinge kit to combine leaf to flat frame  
Pkg: 10 pcs*

**ACP 5013**

Cricchetto vasistas in alluminio  
Cfz: 100 pz

*Awning/hopper window finger catch  
Pkg: 100 pcs*

**ACP 5012**

Cerniera vasistas scatto singolo  
Cfz: 25 pz

*Hinge, single snap for bottom hung open in  
Pkg: 25 pcs*

**ACP 9918**

Cerniera Strong a 2 ali per telai piani  
Cfz: 20 pz

*2-wing Strong hinge for flat frame  
Pkg: 20 pcs*

**ACP 9938**

Cerniera Strong a 2 ali, 3° anta anche per telai complanari  
Cfz: 20 pz

*2-wing 3rd leaf Strong hinge for flat frame  
Pkg: 20 pcs*

**ACP 99124**

Cover per cerniera ACP 9918 e ACP 9938  
Cfz: 20 pz

*Cover for hinge ACP 9918 and ACP 9938  
Pkg: 20 pcs*

|   |   |
|---|---|
|  | <b>ACP 99125</b>  |
|   | <p>Piastrino registrabile universale per le cerniere Strong ACP 9918 e ACP 9938 (usare 1pz per anta)<br/>Cfz: 10 pz</p> <p><i>Adjustable plate for Strong hinge ACP 9918 and ACP 9938</i><br/>Pkg: 10 pcs</p> |

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

|   |   |
|---|---|
|  | <b>ACP 50123</b>  |
|   | <p>Cerniera piatta per porte "va e vieni" doppia azione in alluminio estruso RAL 9010<br/>Cfz: 5 pz</p> <p><i>Plate swig hinge double direction made in aluminium extruded</i><br/>Pkg: 5 pcs</p> |

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

|   |   |
|---|---|
|  | <b>ACP 9963/60</b>  |
|   | <p>Cerniera frontale, 3 ali interasse 60mm<br/>Cfz: 10 pz</p> <p><i>3 wings frontal hinge, 60mm</i><br/>Pkg: 10 pcs</p> |

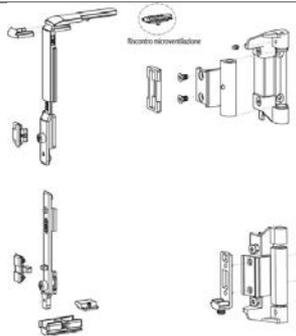
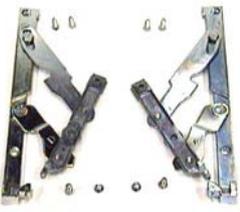
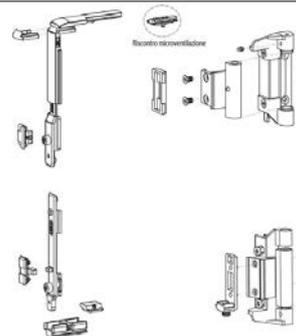
|  |   |
|--|---|
|  | <b>ACP 9915</b>   |
|  | <p>Spessore 7mm per cerniere ad applicazione frontale<br/>Cfz: 50 pz</p> <p><i>7mm thickness for frontal hinges</i><br/>Pkg: 50 pcs</p> |

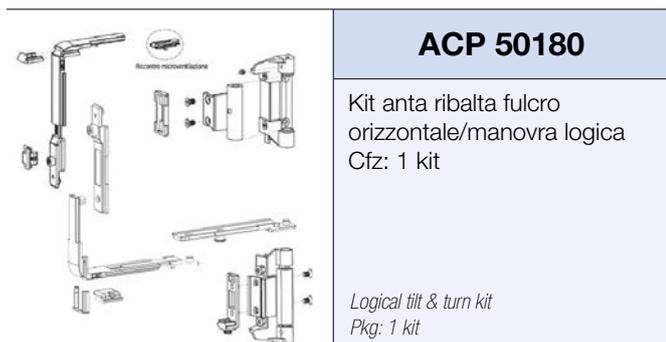
|   |  |
|---|--|
|  | <b>ACP 9963/93</b>   |
|   | <p>Cerniera frontale, 3 ali interasse 93 mm<br/>Cfz: 10 pz</p> <p><i>3 wings frontal hinge, 93mm</i><br/>Pkg: 10 pcs</p> |

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

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

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

|   |   |  |   |
|---|---|--|---|
|    | <p align="center"><b>ACP 9998</b></p> <p>Dima di foratura per cerniere<br/>applicazione frontale<br/>Cfz: 1 pz</p> <p><i>Front hinge holes template<br/>Pkg: 1 pcs</i></p>                |    | <p align="center"><b>ACP 50156</b></p> <p>Kit anta ribalta per telai piani<br/>senza cremonese<br/>Cfz: 1 kit</p> <p><i>Tilt &amp; turn kit for flat frame, no cremonese<br/>handle<br/>Pkg: 1 kit</i></p>                      |
|    | <p align="center"><b>ACP 5010</b></p> <p>Cerniera vasistas doppio<br/>scatto<br/>Cfz: 20 cp</p> <p><i>Hinge, double snap for bottom hung<br/>Pkg: 50 pairs</i></p>                        |    | <p align="center"><b>ACP 50157</b></p> <p>Kit anta ribalta senza<br/>cremonese per telai<br/>complanari interni<br/>Cfz: 1 kit</p> <p><i>Tilt &amp; turn kit for flat frame, no cremonese<br/>handle<br/>Pkg: 1 kit</i></p>     |
|  | <p align="center"><b>ACP 5011</b></p> <p>Bracci sporgere telescopici<br/>a coppie<br/>Cfz: 20 cp</p> <p><i>Top-hinged telescopic arms for<br/>projected windows<br/>Pkg: 20 pairs</i></p> |  | <p align="center"><b>ACP 5046/350</b></p> <p>Braccio ribalta 345/410mm.<br/>Abbinare ACP 50156 e ACP<br/>50157<br/>Cfz: 10 pz</p> <p><i>Tilt &amp; turn arm 345/410mm for<br/>ACP 50156 and ACP 50157<br/>Pkg: 10 pcs</i></p>   |
|  | <p align="center"><b>ACP 5016</b></p> <p>Braccio sganciabile inox<br/>Cfz: 40 pz</p> <p><i>Stainless steel releasable arm<br/>Pkg: 40 pcs</i></p>   |  | <p align="center"><b>ACP 5046/411</b></p> <p>Braccio ribalta 411/540mm.<br/>Abbinare ACP 50156 e<br/>ACP 50157<br/>Cfz: 10 pz</p> <p><i>Tilt &amp; turn arm 411/540mm for<br/>ACP 50156 and ACP 50157<br/>Pkg: 10 pcs</i></p>   |
|  | <p align="center"><b>ACP 5017</b></p> <p>Cricchetto vasistas<br/>applicazione rapida in<br/>alluminio<br/>Cfz: 50 pz</p> <p><i>Quick fitting finger catch<br/>Pkg: 50 pcs</i></p>         |  | <p align="center"><b>ACP 5046/541</b></p> <p>Braccio ribalta 541/1500mm.<br/>Abbinare ACP 50156 e<br/>ACP 50157<br/>Cfz: 10 pz</p> <p><i>Tilt &amp; turn arm 541/1500mm for<br/>ACP 50156 and ACP 50157<br/>Pkg: 10 pcs</i></p> |



## ACP 50180

Kit anta ribalta fulcro  
orizzontale/manovra logica  
Cfz: 1 kit

*Logical tilt & turn kit  
Pkg: 1 kit*



## ACP 5049

Braccio supplementare  
per L>1000mm  
Cfz: 10 pz

*Additional arm for L>1000mm  
Pkg: 10 pcs*



## ACP 50146/350

Braccio ribalta manovra  
logica 345/410mm.  
Abbinare ACP 50180  
Cfz: 10 pz

*Logical tilt & turn arm 345/410mm for  
ACP 50180  
Pkg: 10 pcs*



## ACP 50149

Braccio supplementare per  
L>1000mm ribalta manovra  
logica  
Cfz: 10 pz

*Logical tilt & turn additional arm for  
L>1000mm  
Pkg: 10 pcs*



## ACP 50146/411

Braccio ribalta manovra  
logica 411/540mm.  
Abbinare ACP 50180  
Cfz: 10 pz

*Logical tilt & turn arm 411/540mm for  
ACP 50180  
Pkg: 10 pcs*



## ACP 5056

Kit chiusura supplementare  
orizzontale / fulcro  
orizzontale  
Cfz: 1 kit

*Horizontal additional kit  
Pkg: 1 kit*



## ACP 50146/541

Braccio ribalta manovra  
logica 541/1500mm.  
Abbinare ACP 50180  
Cfz: 10 pz

*Logical tilt & turn arm 541/1500mm for  
ACP 50180  
Pkg: 10 pcs*



## ACP 5057

Kit chiusura supplementare  
verticale  
Cfz: 1 kit

*Vertical additional kit  
Pkg: 1 kit*



## ACP 5047

Catenacci a leva in kit anta  
abbinata  
Cfz: 10 kit

*Locking kit for combined leaf  
Pkg: 10 pcs*



## ACP 5198

Meccanismo martellina  
monodirezionale per A/R,  
quadro 7mm  
Cfz: 10 pz

*Monodirectional handle mechanism for A/R  
windows, 7mm  
Pkg: 10 pcs*

|  |   |
|--|---|
|  | <b>ACP 50311</b>  |
|  | <p>Movimento monodirezionale per maniglia EXENS<br/>Cfz: 1 pz</p> <p><i>EXENS monodirectional mechanism for EXENS handle</i><br/>Pkg: 1 pcs</p> |

|  |  |
|--|--|
|  | <b>ACP 5161/D</b>  |
|  | <p>Kit cerniere a scomparsa SECRET anta passiva destra - portata max 100kg<br/>Cfz: 10 kit</p> <p><i>Secret concealed hinges, right - Max load 100kg</i><br/>Pkg: 10 kit</p> |

|  |   |
|--|---|
|  | <b>ACP 5150/S</b>   |
|  | <p>Kit A/R con cerniere a scomparsa SECRET anta sinistra braccio corto - portata max 100kg<br/>Cfz: 10 kit</p> <p><i>Secret tilt and turn mechanism with concealed hinges, left, short arm - Max load 100kg</i><br/>Pkg: 10 kit</p> |

|  |   |
|--|---|
|  | <b>ACP 5161/S</b>   |
|  | <p>Kit cerniere a scomparsa SECRET anta passiva sinistra - portata max 100kg<br/>Cfz: 10 kit</p> <p><i>Secret concealed hinges, left - Max load 100kg</i><br/>Pkg: 10 kit</p> |

|  |  |
|--|--|
|  | <b>ACP 5150/D</b>  |
|  | <p>Kit A/R con cerniere a scomparsa SECRET anta destra braccio corto - portata max 100kg<br/>Cfz: 10 kit</p> <p><i>Secret tilt and turn mechanism with concealed hinges, right, short arm - Max load 100kg</i><br/>Pkg: 10 kit</p> |

|  |  |
|--|--|
|  | <b>ACP 5162/D</b>  |
|  | <p>Kit A/R con cerniere a scomparsa SECRET anta destra braccio corto - portata max 150kg<br/>Cfz: 10 kit</p> <p><i>Secret tilt and turn mechanism with concealed hinges, right, short arm - Max load 150kg</i><br/>Pkg: 10 kit</p> |

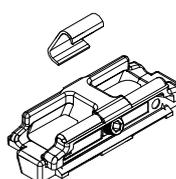
|  |  |
|--|--|
|  | <b>ACP 5151/S</b>  |
|  | <p>Kit A/R con cerniere a scomparsa SECRET anta sinistra braccio lungo - portata max 100kg<br/>Cfz: 10 kit</p> <p><i>Secret tilt and turn mechanism with concealed hinges, left, long arm - Max load 100kg</i><br/>Pkg: 10 kit</p> |

|  |   |
|--|---|
|  | <b>ACP 5162/S</b>   |
|  | <p>Kit A/R con cerniere a scomparsa SECRET anta sinistra braccio corto - portata max 150kg<br/>Cfz: 10 kit</p> <p><i>Secret tilt and turn mechanism with concealed hinges, left, short arm - Max load 150kg</i><br/>Pkg: 10 kit</p> |

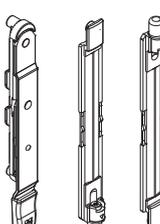
|  |   |
|--|---|
|  | <b>ACP 5151/D</b>   |
|  | <p>Kit A/R con cerniere a scomparsa SECRET anta destra braccio lungo - portata max 100kg<br/>Cfz: 10 kit</p> <p><i>Secret tilt and turn mechanism with concealed hinges, right, long arm - Max load 100kg</i><br/>Pkg: 10 kit</p> |

|  |   |
|--|---|
|  | <b>ACP 5163/D</b>   |
|  | <p>Kit A/R con cerniere a scomparsa SECRET anta destra braccio lungo - portata max 150kg<br/>Cfz: 10 kit</p> <p><i>Secret tilt and turn mechanism with concealed hinges, right, long arm - Max load 150kg</i><br/>Pkg: 10 kit</p> |

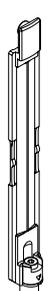
|   |   |
|---|---|
|  | <p><b>ACP 5163/S</b></p> <p>Kit A/R con cerniere a scomparsa SECRET anta sinistra braccio lungo - portata max 150kg<br/>Cfz: 10 kit</p> <p><i>Secret tilt and turn mechanism with concealed hinges, left, long arm - Max load 150kg<br/>Pkg: 10 kit</i></p> |
|---|---|

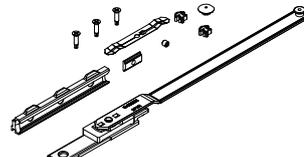
|  |  |
|--|--|
|  | <p><b>ACP 5158</b></p> <p>Incontro singolo in zama per catenacciolo superiore anta passiva ribalta SECRET, abbinare a ACP 5160<br/>Cfz: 100 pz</p> <p><i>Zamak single keeper for SECRET passive tilt &amp; turn mechanism<br/>Pkg: 100 pcs</i></p> |
|--|--|

|   |   |
|---|---|
|  | <p><b>ACP 5164/D</b></p> <p>Kit cerniere a scomparsa SECRET anta passiva destra - portata max 150kg<br/>Cfz: 10 kit</p> <p><i>Secret concealed hinges, right - Max load 150kg<br/>Pkg: 10 kit</i></p> |
|---|---|

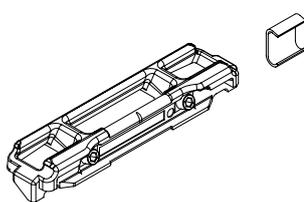
|  |   |
|--|---|
|  | <p><b>ACP 5157</b></p> <p>Kit catenacci con manovra bidirezionale SECRET anta passiva<br/>Cfz: 10 pz</p> <p><i>Bolt kit and SECRET bidirectional mechanism for passive leaf<br/>Pkg: 10 pcs</i></p> |
|--|---|

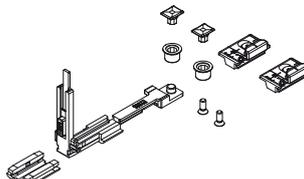
|   |  |
|---|--|
|  | <p><b>ACP 5164/S</b></p> <p>Kit cerniere a scomparsa SECRET anta passiva sinistra - portata max 150kg<br/>Cfz: 10 kit</p> <p><i>Secret concealed hinges, left - Max load 150kg<br/>Pkg: 10 kit</i></p> |
|---|--|

|  |  |
|--|--|
|  | <p><b>ACP 5159</b></p> <p>Terminale in zama SECRET, finestre a battente<br/>Cfz: 40 pz</p> <p><i>Zamak SECRET rod-end for casement windows<br/>Pkg: 40 pcs</i></p> |
|--|--|

|  |   |
|--|---|
|  | <p><b>ACP 5153</b></p> <p>Braccio supplementare SECRET per L &gt; 1000mm da abbinare ad ACP 5151<br/>Cfz: 5 kit</p> <p><i>Secret additional window arm for ACP 5151, L &gt; 1000mm<br/>Pkg: 5 kit</i></p> |
|--|---|

|  |  |
|--|--|
|  | <p><b>ACP 5160</b></p> <p>Kit manovra antariabalta SECRET. Abbinare a ACP 5150 e ACP 5151<br/>Cfz: 10 pz</p> <p><i>SECRET tilt and turn kit, for ACP 5150 and ACP 5151<br/>Pkg: 10 pcs</i></p> |
|--|--|

|  |  |
|--|--|
|  | <p><b>ACP 5152</b></p> <p>Incontro doppio in zama SECRET per finestra 2 ante battente<br/>Cfz: 100 pz</p> <p><i>Zamak double keeper for casement window<br/>Pkg: 100 pcs</i></p> |
|--|--|

|  |   |
|--|---|
|  | <p><b>ACP 5155</b></p> <p>Chiusura supplementare per cerniera scomparsa A/R SECRET. Si usa anche in orizzontale per L &gt; 1000mm e tra le cerniere per H &gt; 1200mm<br/>Cfz: 10 kit</p> <p><i>Additional locking piece for Secret tilt &amp; turn mechanism. L &gt; 1000mm, H &gt; 1200mm<br/>Pkg: 10 pcs</i></p> |
|--|---|

**ACP 5154**

Rostro di chiusura regolabile per soluzione con cerniere a scomparsa SECRET  
Cfz: 50 pz

*Registrable beak for SECRET hinge  
Pkg: 50 pcs*

**ACP 50160/1350**

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

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

**ACP 5156**

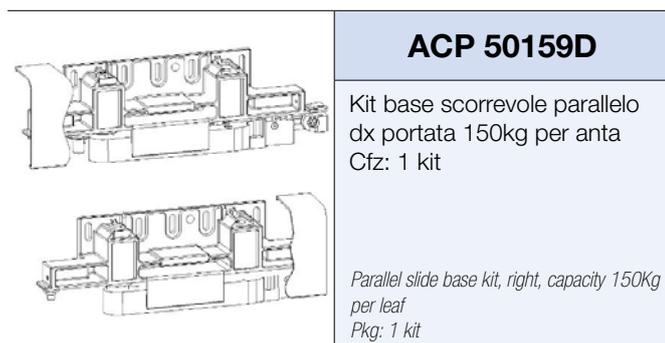
Catenacciolo anta passiva in abbinamento ad anta ribalta SECRET  
Cfz: 10 pz

*Bolt for passive leaf, SECRET tilt & turn mechanism  
Pkg: 10 pcs*

**ACP 50160/1600**

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

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

**ACP 50159D**

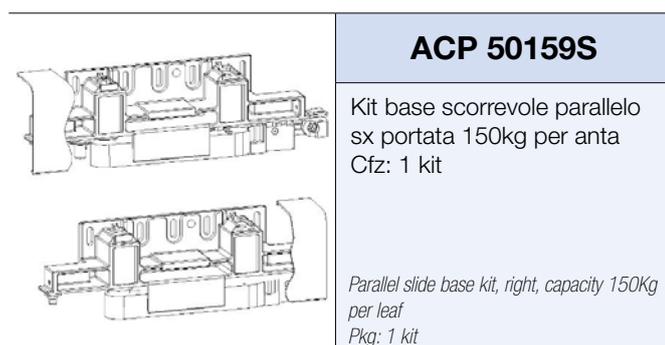
Kit base scorrevole parallelo dx portata 150kg per anta  
Cfz: 1 kit

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

**ACP 50161/1200**

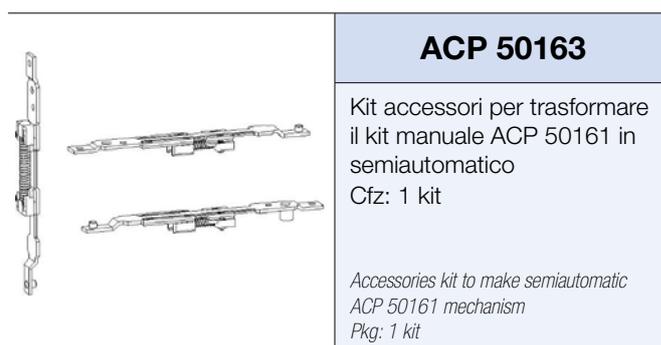
Kit forbici scorrevole parallelo soluzione manuale per ante fino a L 1200mm, abbinare ad ACP 50165  
Cfz: 1 kit

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

**ACP 50159S**

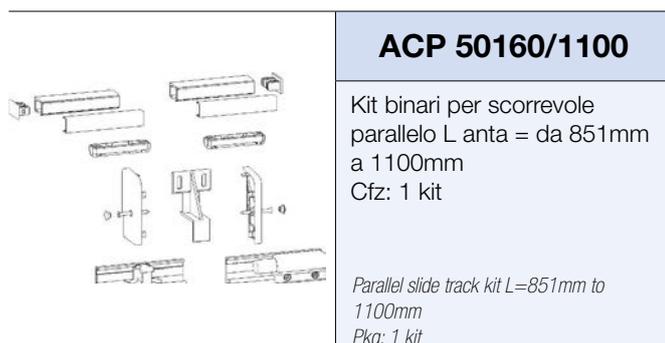
Kit base scorrevole parallelo sx portata 150kg per anta  
Cfz: 1 kit

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

**ACP 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 50160/1100**

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

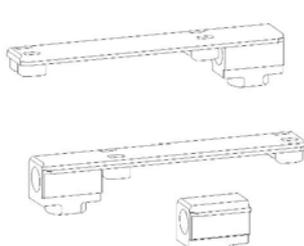
*Parallel slide track kit L=851mm to 1100mm  
Pkg: 1 kit*

**ACP 50158**

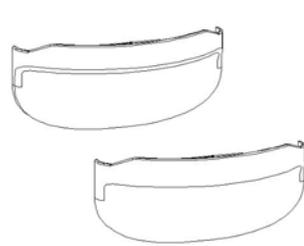
Kit chiusura 6 punti per bilico/scorrevole parallelo. Abbinare a ACP 5092 e ACP 5092V  
Cfz: 1 kit

*Pivot closer 6 locking piece set. Combined with ACP 5092 and ACP 5092V  
Pkg: 1 kit*

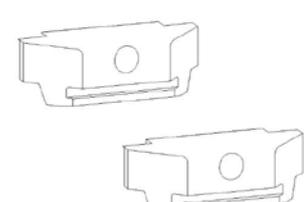
|  |  |
|--|--|
|  | <b>ACP 50162</b>   |
|  | <p>Kit forbici scorrevole parallelo soluzione automatica per ante, fino a L=1600mm di anta utilizzare ACP 50159, da 1600 a 2000mm occorrono carrelli con portata 180kg. Disponibili su richiesta da abbinare alla maniglia ACP 50170<br/>Cfz: 1 kit</p> <p><i>Developed 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 ACP 50170 handle<br/>Pkg: 1 kit</i></p> |

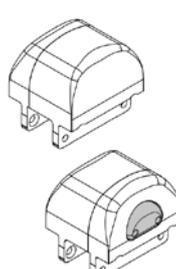
|  |  |
|--|--|
|  | <b>ACP 50167</b>   |
|  | <p>Kit supplementare al kit ACP 50161 per ante oltre L 1200mm da abbinare alle astine ACP 50168 e ACP 50169<br/>Cfz: 1 kit<br/><i>Additional kit matching with ACP 50168 and ACP 50169, leaf up to 1200mm<br/>Pkg: 1 kit</i></p> |

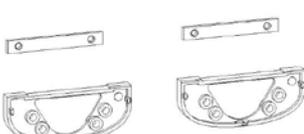
|  |  |
|--|--|
|  | <b>ACP 50168</b>   |
|  | <p>Astina per kit ACP 50167 supplementare per ante da L 1201mm fino a 1350mm<br/>Cfz: 1 pz<br/><i>Rod for additional kit, leaf 1201mm to 1350mm<br/>Pkg: 1 pcs</i></p> |

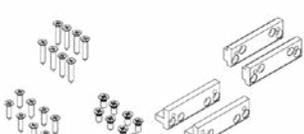
|  |  |
|--|--|
|  | <b>ACP 50164</b>   |
|  | <p>Kit coperture. Disponibile nelle colorazioni argento ossidato, RAL 9010 e nero elettro-colore<br/>Cfz: 1 kit<br/><i>Cover kit, finish available: silver, RAL 9010, black<br/>Pkg: 1 kit</i></p> |

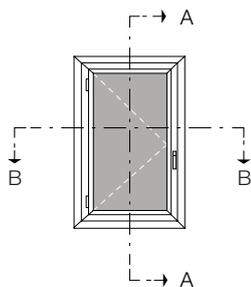
|  |  |
|--|--|
|  | <b>ACP 50169</b>   |
|  | <p>Astina per kit ACP 50167 supplementare per ante da L 1351mm fino a 1600mm<br/>Cfz: 1 pz<br/><i>Rod for additional kit, leaf 1351mm to 1600mm<br/>Pkg: 1 pcs</i></p> |

|  |  |
|--|--|
|  | <b>ACP 50166</b>   |
|  | <p>Placchetta di fermo - per trasformare il kit forbici manuale in semiautomatico da abbinare ad ACP 50163<br/>Cfz: 1 pz<br/><i>Plate to make semiautomatic the developed scissor sliders kit - matching with ACP 50163<br/>Pkg: 1 pcs</i></p> |

|  |   |
|--|---|
|  | <b>ACP 5091M</b>  |
|  | <p>Frizione bilico con fermo<br/>Cfz: 1 pz<br/><i>Pivot clutch with stop<br/>Pkg: 1 pcs</i></p> |

|  |   |
|--|---|
|  | <b>ACP 50165</b>  |
|  | <p>Spessori per forbici per ACP 50161/1260 o ACP 50162<br/>Cfz: 1 kit<br/><i>Thickness matching with ACP 50161/1200 or ACP 50162<br/>Pkg: 1 kit</i></p> |

|  |  |
|--|--|
|  | <b>ACP 5100</b>  |
|  | <p>Kit piastre per frizione bilico ACP 5091M<br/>Cfz: 1 kit<br/><i>Plate kit for ACP 5091M pivot clutch with stop<br/>Pkg: 1 kit</i></p> |



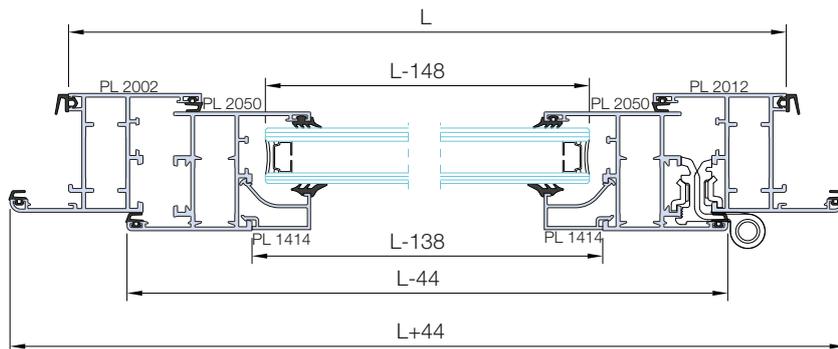
1 leaf window

Finestra  
1 anta

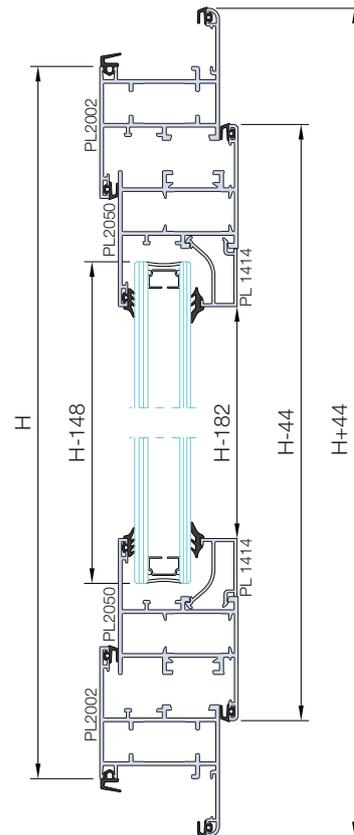
Glass list

Distinta vetri

| Pezzi | L     | H     |
|-------|-------|-------|
| 1     | L-148 | H-148 |



Sez. B-B



Sez. A-A

Distinta profili

Profiles' list

| Art.    | Descrizione  | Pezzi | Misura | Taglio |
|---------|--|-------|--------|--------|
| PL 2002 | Traverso telaio<br><i>tramsom frame</i>            | 2     | L+44   |        |
|         | Montante telaio<br><i>mullion frame</i>            | 2     | H+44   |        |
| PL 2050 | Traverso anta<br><i>tramsom leaf</i>               | 2     | L-44   |        |
|         | Montante anta<br><i>mullion leaf</i>               | 2     | H-44   |        |
| PL 1414 | Traverso fermavetro<br><i>tramsom glazing bead</i> | 2     | L-182  |        |
|         | Montante fermavetro<br><i>mullion glazing bead</i> | 2     | H-138  |        |

Distinta accessori

Accessories' list

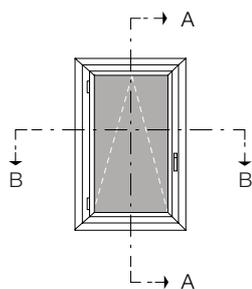
| Art.      | Descrizione   | Q.tà  |
|-----------|---|-------|
| ACP 5801  | Squadretta multifunzione<br><i>multifunctional corner joint</i>           | 8 pz  |
| ACP 5001  | Vite per ACP 5801<br><i>screw for ACP 5801</i>                            | 16 pz |
| ACP 5005  | Cerniere<br><i>hinge</i>  | 2 pz  |
| ACP 5008  | Squadretta all. inox<br><i>alignment corner joint</i>                     | 8 pz  |
| ACP 50200 | Cremonese Aurora<br><i>Aurora cremonese handle</i>                        | 1 pz  |
| ACP 50175 | Kit chiusura<br><i>Locking kit</i>  | 1 kit |
| ACP 5035  | Regolo muro in nylon<br><i>nylon wall spacer</i>                          | 4 pz  |
| AGP 4085  | Angolo vulcanizzato per AGP 4004<br><i>vulcanized corner for AGP 4004</i> | 8 pz  |

Distinta guarnizioni

Gaskets' list

| Art.              | Descrizione                                   | Pezzi | Misura |
|-------------------|---|-------|--------|
| AGP 4000          | Battuta<br><br><i>wall seal</i>               | 2     | L+44   |
|                   |   | 2     | L-44   |
|                   |   | 2     | L-80   |
|                   |   | 2     | H+44   |
|                   |   | 2     | H-44   |
|                   |   | 2     | H-80   |
| AGP 4013          | Vetro esterno<br><i>external glass gasket</i> | 2     | L-148  |
|                   |   | 2     | H-148  |
| Dipende dal vetro | Vetro interno<br><i>internal glass gasket</i> | 2     | L-148  |
|                   |   | 2     | H-148  |
| AGP 4002          | Isolamento muro<br><i>insulation wall</i>     | 2     | L-80   |
|                   |   | 2     | H-80   |

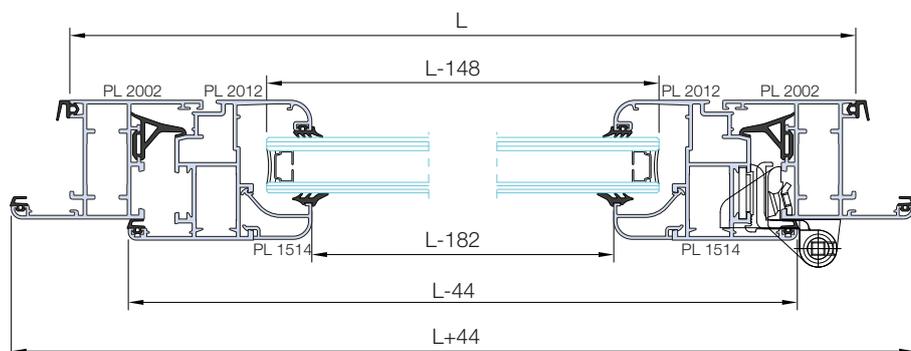
Tilt & turn 1 leaf Finestra anta a ribalta  
window 1 anta



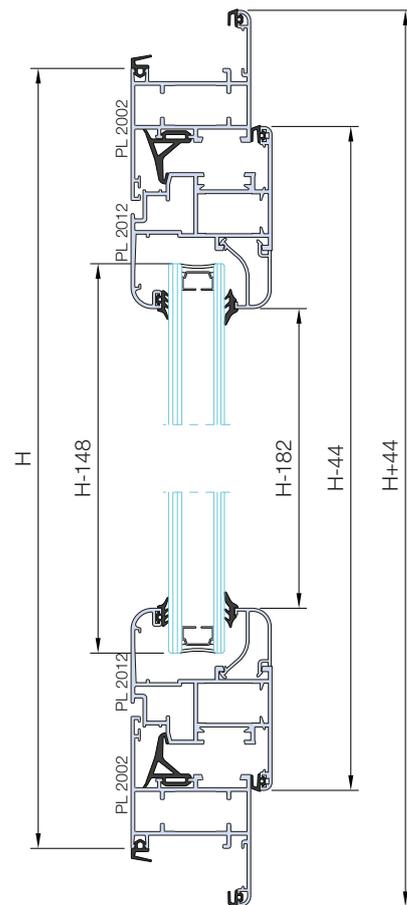
Glass list

Distinta vetri

| Pezzi | L     | H     |
|-------|-------|-------|
| 1     | L-148 | H-148 |



Sez. B-B



Sez. A-A

| Art.    | Descrizione  | Pezzi | Misura | Taglio |
|---------|--|-------|--------|--------|
| PL 2002 | Traverso telaio<br><i>tramsom frame</i>            | 2     | L+44   |        |
|         | Montante telaio<br><i>mullion frame</i>            | 2     | H+44   |        |
| PL 2012 | Traverso anta<br><i>tramsom leaf</i>               | 2     | L-44   |        |
|         | Montante anta<br><i>mullion leaf</i>               | 2     | H-44   |        |
| PL 1514 | Traverso fermavetro<br><i>tramsom glazing bead</i> | 2     | L-182  |        |
|         | Montante fermavetro<br><i>mullion glazing bead</i> | 2     | H-182  |        |

Distinta profili

Profiles' list

Distinta guarnizioni

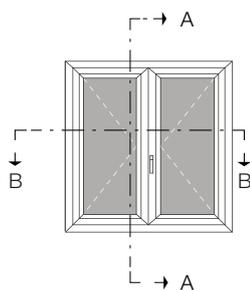
Gaskets' list

| Art.              | Descrizione                                     | Pezzi | Misura |
|-------------------|---|-------|--------|
| AGP 4000          | Battuta<br><i>wall seal</i>                     | 2     | L+44   |
|                   |   | 2     | L-44   |
|                   |   | 2     | H+44   |
|                   |   | 2     | H-44   |
| AGP 4013          | Vetro esterno<br><i>external glass gasket</i>   | 2     | L-148  |
|                   |   | 2     | H-148  |
| Dipende dal vetro | Vetro interno<br><i>internal glass gasket</i>   | 2     | L-148  |
|                   |   | 2     | H-148  |
| AGP 4002          | Isolamento muro<br><i>insulation wall</i>       | 2     | L      |
|                   |   | 2     | H      |
| AGP 4501R         | Pinna giunto aperto<br><i>open joint gasket</i> | 2     | L-124  |
|                   |   | 2     | H-124  |

Distinta accessori

Accessories' list

| Art.      | Descrizione   | Q.tà  |
|-----------|---|-------|
| ACP 5801  | Squadretta multifunzione<br><i>multifunctional corner joint</i>           | 8 pz  |
| ACP 5001  | Vite per ACP 5801<br><i>screw for ACP 5801</i>                            | 16 pz |
| ACP 5005  | Cerniere<br><i>hinge</i>  | 2 pz  |
| ACP 5008  | Squadretta all. inox<br><i>alignment corner joint</i>                     | 8 pz  |
| ACP 50200 | Cremonese Aurora<br><i>Aurora cremonese handle</i>                        | 1 pz  |
| ACP 50156 | Kit anta ribalta<br><i>Tilt &amp; turn kit</i>                            | 1 kit |
| ACP 5046  | Braccio ribalta<br><i>Tilt &amp; turn arm</i>                             | 1 pz  |
| ACP 5035  | Regolo muro in nylon<br><i>nylon wall spacer</i>                          | 4 pz  |
| ACP 50110 | Squadretta all. eccentrico<br><i>corner joint</i>                         | 4 pz  |
| ACP 5014  | Angolo fermavetro<br><i>glazing bead corner</i>                           | 4 pz  |
| AGP 4885R | Angolo vulcanizzato<br><i>vulcanized corner</i>                           | 4 pz  |
| AGP 4085  | Angolo vulcanizzato per AGP 4004<br><i>vulcanized corner for AGP 4004</i> | 8 pz  |



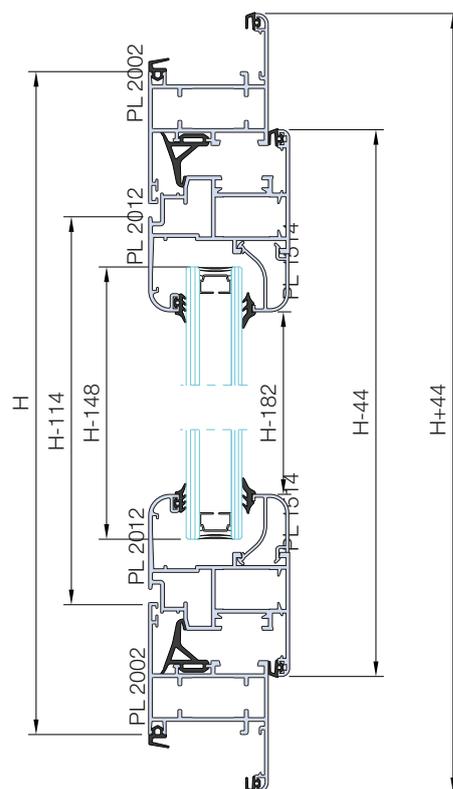
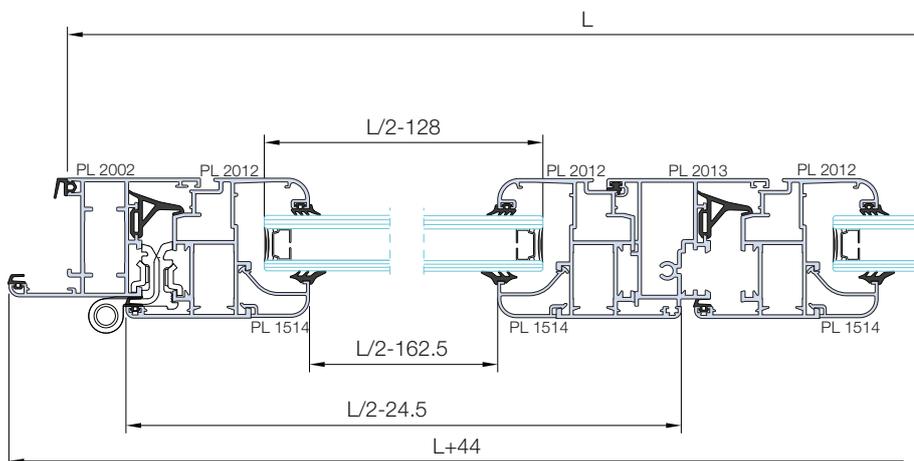
2 leaves window

Finestra 2 ante

Glass list

Distinta vetri

| Pezzi | L       | H     |
|-------|---------|-------|
| 2     | L/2-128 | H-148 |



Sez. A-A

Sez. B-B

Distinta profili  
Profiles' list

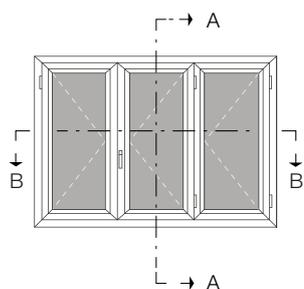
| Art.    | Descrizione  | Pezzi | Misura    | Taglio |
|---------|--|-------|-----------|--------|
| PL 2002 | Traverso telaio<br><i>transom frame</i>            | 2     | L+44      |        |
|         | Montante telaio<br><i>mullion frame</i>            | 2     | H+44      |        |
| PL 2013 | Riporto centrale<br><i>central mullion</i>         | 1     | H-114     |        |
| PL 2012 | Traverso anta<br><i>transom leaf</i>               | 4     | H-44      |        |
|         | Montante anta<br><i>mullion leaf</i>               | 4     | L/2-24.5  |        |
| PL 1514 | Traverso fermavetro<br><i>transom glazing bead</i> | 4     | H-182     |        |
|         | Montante fermavetro<br><i>mullion glazing bead</i> | 4     | L/2-162.5 |        |

Distinta accessori  
Accessories' list

| Art.      | Descrizione   | Q.tà  |
|-----------|---|-------|
| ACP 5801  | Squadretta multifunzione<br><i>multifunctional corner joint</i>           | 12 pz |
| ACP 5001  | Vite per ACP 5801<br><i>screw for ACP 5801</i>                            | 24 pz |
| ACP 5005  | Cerniere<br><i>hinge</i>  | 4 pz  |
| ACP 5008  | Squadretta all. inox<br><i>alignment corner joint</i>                     | 8 pz  |
| ACP 50200 | Cremonese Aurora<br><i>Aurora cremonese handle</i>                        | 1 pz  |
| ACP 50175 | Kit chiusura<br><i>locking kit</i>  | 1 kit |
| ACP 5022  | Catenacciolo<br><i>bolt</i>   | 2 pz  |
| ACP 5035  | Regolo muro in nylon<br><i>nylon wall spacer</i>                          | 4 pz  |
| ACP 50110 | Squadretta all. eccentrico<br><i>alignment corner joint</i>               | 8 pz  |
| ACP 5014  | Angolo fermavetro<br><i>glazing bead corner</i>                           | 8 pz  |
| AGP 4885R | Angolo vulcanizzato<br><i>vulcanized corner</i>                           | 4 pz  |
| AGP 4085  | Angolo vulcanizzato per AGP 4004<br><i>vulcanized corner for AGP 4004</i> | 10 pz |
| ACP 5079  | Tappo di riporto<br><i>cap</i>  | 1 cp  |

Distinta guarnizioni  
Gaskets' list

| Art.              | Descrizione                                       | Pezzi | Misura   |
|-------------------|---|-------|----------|
| AGP 4000          | Battuta<br><i>wall seal</i>                       | 2     | L/2-24.5 |
|                   |   | 2     | L-44     |
|                   |   | 2     | H+44     |
|                   |   | 2     | H-44     |
| AGP 4013          | Vetro esterno<br><i>external glass gasket</i>     | 2     | L/2-128  |
|                   |   | 2     | H-148    |
| Dipende dal vetro | Vetro interno<br><i>internal glass gasket</i>     | 2     | L/2-128  |
|                   |   | 2     | H-148    |
| AGP 4002          | Isolamento muro<br><i>insulation wall</i>         | 2     | L<br>H   |
| AGP 4501R         | Pinna giunto aperto<br><i>open joint gasket</i>   | 2     | L-124    |
|                   |   | 2     | H-124    |
| AGP 4006          | Battuta giunto aperto<br><i>open joint rabbet</i> | 1     | H-114    |



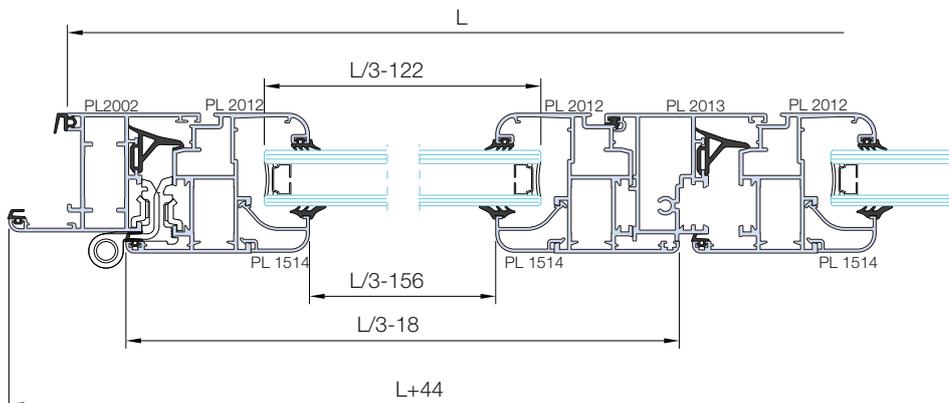
3 leafs  
window

Finestra  
3 ante

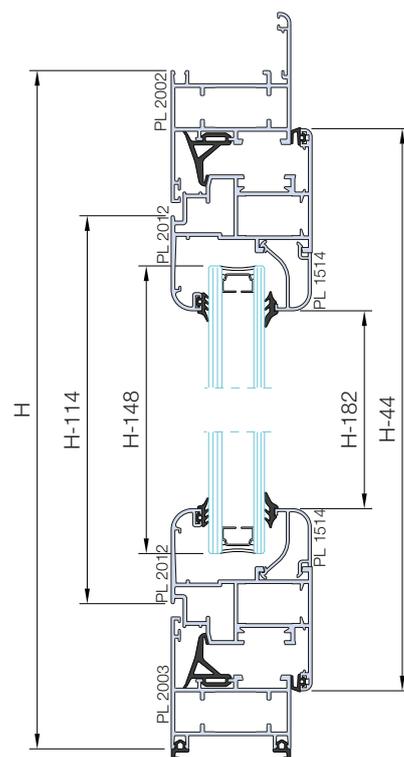
Glass list

Distinta vetri

| Pezzi | L       | H     |
|-------|---------|-------|
| 3     | L/3-122 | H-148 |



Sez. B-B



Sez. A-A

| Art.    | Descrizione   | Pezzi | Misura  | Taglio |
|---------|---|-------|---------|--------|
| PL 2002 | Traverso superiore telaio<br><i>top transom frame</i> | 1     | L+44    |        |
|         | Montante telaio<br><i>mullion frame</i>               | 2     | H+44    |        |
| PL 2003 | Traverso inferiore<br><i>sil transom frame</i>        | 1     | L       |        |
| PL 2012 | Traverso anta<br><i>transom leaf</i>                  | 6     | H-44    |        |
|         | Montante anta<br><i>mullion leaf</i>                  | 6     | L/3-18  |        |
| PL 1514 | Traverso fermavetro<br><i>transom glazing bead</i>    | 6     | H-182   |        |
|         | Montante fermavetro<br><i>mullion glazing bead</i>    | 6     | L/3-156 |        |
| PL 2013 | Riporto centrale<br><i>central cap</i>                | 2     | H-114   |        |

Distinta profili

Profiles' list

| Art.              | Descrizione                                     | Pezzi | Misura  |
|-------------------|---|-------|---------|
| AGP 4000          | Battuta<br><i>wall seal</i>                     | 1     | L+44    |
|                   |   | 2     | H+44    |
|                   |   | 4     | H-44    |
|                   |   | 6     | L/3-18  |
| AGP 4013          | Vetro esterno<br><i>external glass gasket</i>   | 6     | L/3-112 |
|                   |   | 6     | H-148   |
| Dipende dal vetro | Vetro interno<br><i>internal glass gasket</i>   | 6     | L/3-122 |
|                   |   | 6     | H-148   |
| AGP 4002          | Isolamento muro<br><i>insulation wall</i>       | 3     | L       |
|                   |   | 2     | H       |
| AGP 4501R         | Pinna giunto aperto<br><i>open joint gasket</i> | 2     | L-124   |
|                   |   | 4     | H-124   |
| AGP 4006          | Battuta giunto aperto<br><i>rabbet gasket</i>   | 2     | H-114   |

Distinta guarnizioni

Gaskets' list

| Art.      | Descrizione   | Q.tà  |
|-----------|---|-------|
| ACP 5801  | Squadretta multifunzione<br><i>multifunctional corner joint</i>           | 16 pz |
| ACP 5001  | Vite per ACP 5801<br><i>screw for ACP 5801</i>                            | 32 pz |
| ACP 5005  | Cerniere<br><i>hinge</i>  | 4 pz  |
| ACP 5007  | Cerniera 3a anta<br><i>3rd hinge</i>                                      | 2 pz  |
| ACP 5008  | Squadretta all. inox<br><i>alignment corner joint</i>                     | 14 pz |
| ACP 50200 | Cremonese Aurora<br><i>Aurora cremonese handle</i>                        | 1 pz  |
| ACP 50175 | Kit chiusura<br><i>Locking kit</i>  | 1 kit |
| ACP 5022  | Catenacciolo<br><i>bolt</i>   | 4 pz  |
| ACP 5035  | Regolo muro in nylon<br><i>nylon wall spacer</i>                          | 4 pz  |
| ACP 50110 | Squadretta all. eccentrico<br><i>alignment corner joint</i>               | 12 pz |
| ACP 5014  | Angolo fermavetro<br><i>glazing bead corner</i>                           | 12 pz |
| AGP 4885R | Angolo vulcanizzato<br><i>vulcanized corner</i>                           | 4 pz  |
| AGP 4085  | Angolo vulcanizzato per AGP 4004<br><i>vulcanized corner for AGP 4004</i> | 10 pz |
| ACP 5079  | Tappo di riporto<br><i>plug</i>   | 2 cp  |
| ACP 5024  | Incontro asta<br><i>single rod keeper</i>                                 | 2 pz  |

Distinta accessori

Accessories' list

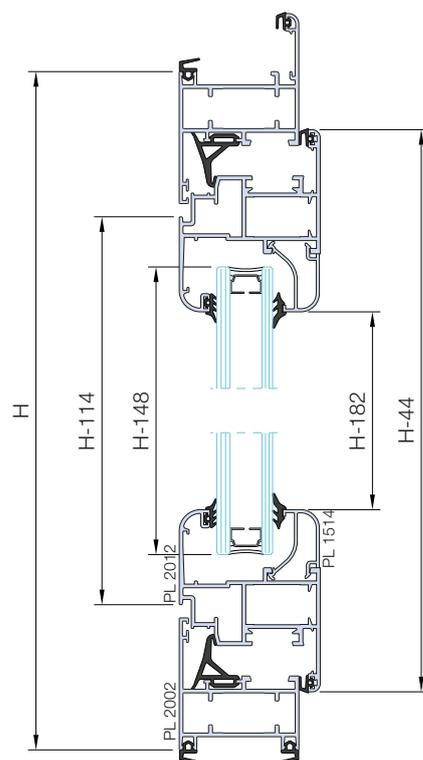
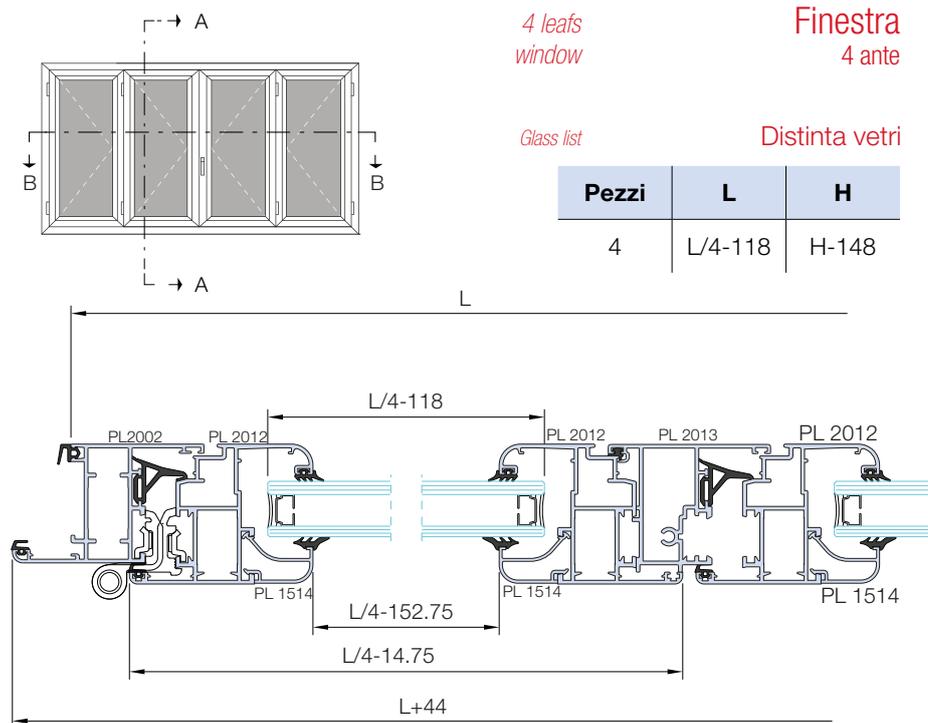
4 leafs window

Finestra  
4 ante

Glass list

Distinta vetri

| Pezzi | L       | H     |
|-------|---------|-------|
| 4     | L/4-118 | H-148 |



Sez. A-A

Sez. B-B

Distinta profili

| Art.    | Descrizione   | Pezzi | Misura     | Taglio |
|---------|---|-------|------------|--------|
| PL 2002 | Traverso superiore telaio<br><i>top transom frame</i> | 1     | L+44       |        |
|         | Montante telaio<br><i>mullion frame</i>               | 2     | H+44       |        |
| PL 2003 | Traverso inferiore<br><i>sil transom frame</i>        | 1     | L          |        |
| PL 2012 | Traverso anta<br><i>transom leaf</i>                  | 6     | H-44       |        |
|         | Montante anta<br><i>mullion leaf</i>                  | 6     | L/2-14.75  |        |
| PL 1514 | Traverso fermavetro<br><i>transom glazing bead</i>    | 6     | H-182      |        |
|         | Montante fermavetro<br><i>mullion glazing bead</i>    | 6     | L/2-152.75 |        |
| PL 2013 | Riporto centrale<br><i>fitted base</i>                | 3     | H-114      |        |

Profiles' list

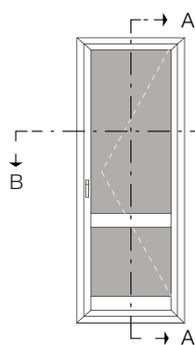
Distinta accessori

| Art.      | Descrizione   | Q.tà  |
|-----------|---|-------|
| ACP 5801  | Squadretta multifunzione<br><i>multifunctional corner joint</i>           | 20 pz |
| ACP 5001  | Vite per ACP 5801<br><i>screw for ACP 5801</i>                            | 40 pz |
| ACP 5005  | Cerniere<br><i>hinge</i>  | 4 pz  |
| ACP 5007  | Cerniera 3a anta<br><i>3rd hinge</i>                                      | 4 pz  |
| ACP 5008  | Squadretta all. inox<br><i>alignment corner joint</i>                     | 18 pz |
| ACP 50200 | Cremonese Aurora<br><i>Aurora cremonese handle</i>                        | 1 pz  |
| ACP 50175 | Kit chiusura<br><i>Locking arm</i>  | 1 kit |
| ACP 5022  | Catenacciolo<br><i>bolt</i>   | 6 pz  |
| ACP 5035  | Regolo muro in nylon<br><i>nylon wall spacer</i>                          | 4 pz  |
| ACP 50110 | Squadretta all. eccentrico<br><i>alignment corner joint</i>               | 16 pz |
| ACP 5014  | Angolo fermavetro<br><i>glazing bead corner</i>                           | 16 pz |
| AGP 4885R | Angolo vulcanizzato<br><i>vulcanized corner</i>                           | 4 pz  |
| AGP 4085  | Angolo vulcanizzato per AGP 4004<br><i>vulcanized corner for AGP 4004</i> | 12 pz |
| ACP 5079  | Tappo di riporto<br><i>plug</i>   | 3 cp  |
| ACP 5024  | Incontro asta<br><i>single rod keeper</i>                                 | 4 pz  |

Distinta guarnizioni

| Art.              | Descrizione                                     | Pezzi | Misura  |
|-------------------|---|-------|---------|
| AGP 4000          | Battuta<br><i>wall seal</i>                     | 1     | L+44    |
|                   |   | 2     | H+44    |
|                   |   | 5     | H-44    |
|                   |   | 8     | L/4-14  |
| AGP 4013          | Vetro esterno<br><i>external glass gasket</i>   | 6     | L/4-118 |
|                   |   | 6     | H-148   |
| Dipende dal vetro | Vetro interno<br><i>internal glass gasket</i>   | 6     | L/4-118 |
|                   |   | 6     | H-148   |
| AGP 4002          | Isolamento muro<br><i>insulation wall</i>       | 3     | L       |
|                   |   | 2     | H       |
| AGP 4501R         | Pinna giunto aperto<br><i>open joint gasket</i> | 2     | L-124   |
|                   |   | 4     | H-124   |
| AGP 4006          | Battuta giunto aperto<br><i>rabbet gasket</i>   | 3     | H-114   |

Gaskets' list



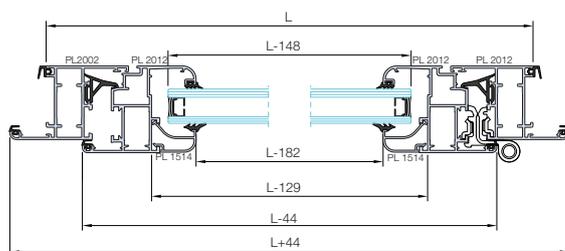
1 leaf  
door

Porta finestra  
1 anta

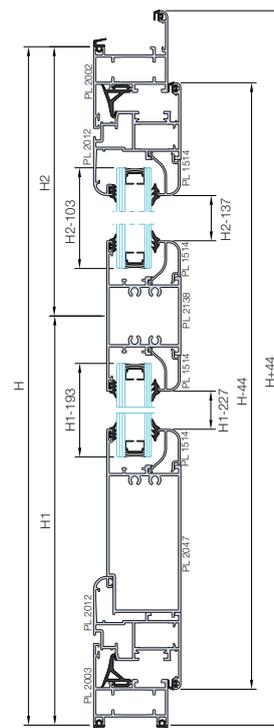
Glass list

Distinta vetri

| Pezzi | L     | H      |
|-------|-------|--------|
| 1     | L-148 | H1-193 |
| 1     | L-148 | H2-103 |



Sez. B-B



Sez. A-A

| Art.    | Descrizione   | Pezzi | Misura | Taglio |
|---------|---|-------|--------|--------|
| PL 2002 | Traverso superiore telaio<br><i>top transom frame</i> | 1     | L+44   |        |
|         | Montante telaio<br><i>mullion frame</i>               | 2     | H+44   |        |
| PL 2003 | Traverso inferiore telaio<br><i>sil transom frame</i> | 1     | L      |        |
| PL 2012 | Traverso anta<br><i>transom leaf</i>                  | 2     | L-44   |        |
|         | Montante anta<br><i>mullion leaf</i>                  | 2     | H-44   |        |
| PL 2138 | Fascia<br><i>cross piece</i>                          | 1     | L-129  |        |
| PL 1514 | Traverso fermavetro<br><i>transom glazing bead</i>    | 4     | L-182  |        |
|         | Montante fermavetro<br><i>mullion glazing bead</i>    | 2     | H1-227 |        |
|         | Montante fermavetro<br><i>mullion glazing bead</i>    | 2     | H2-137 |        |
| PL 2047 | Zoccolo riportato<br><i>fitted base</i>               | 1     | L-129  |        |

Distinta profili

Profiles' list

| Art.              | Descrizione | Pezzi   | Misura   |
|-------------------|-------------|---|----------|
| AGP 4000          |             | Battuta<br><i>wall seal</i>                     | 1 L+44   |
|                   |             |   | 2 H+44   |
|                   |             |   | 2 H-44   |
|                   |             |   | 2 L-44   |
| AGP 4013          |             | Vetro esterno<br><i>external glass gasket</i>   | 4 L-148  |
|                   |             |   | 2 H1-193 |
|                   |             |   | 2 H2-103 |
| Dipende dal vetro |             | Vetro interno<br><i>internal glass gasket</i>   | 4 L-148  |
|                   |             |   | 2 H1-193 |
|                   |             |   | 2 H2-103 |
| AGP 4002          |             | Isolamento muro<br><i>insulation wall</i>       | 3 L      |
|                   |             |   | 2 H      |
| AGP 4501R         |             | Pinna giunto aperto<br><i>open joint gasket</i> | 2 L-124  |
|                   |             |   | 2 H-124  |

Distinta guarnizioni

Gaskets' list

| Art.      | Descrizione   | Q.tà  |
|-----------|---|-------|
| ACP 5801  | Squadretta multifunzione<br><i>multifunctional corner joint</i>           | 8 pz  |
| ACP 5001  | Vite per ACP 5801<br><i>screw for ACP 5801</i>                            | 16 pz |
| ACP 5005  | Cerniere<br><i>hinge</i>  | 3 pz  |
| ACP 5008  | Squadretta all. inox<br><i>alignment corner joint</i>                     | 6 pz  |
| ACP 50200 | Cremonese Aurora<br><i>Aurora cremonese handle</i>                        | 1 pz  |
| ACP 50175 | Kit chiusura<br><i>Locking kit</i>  | 1 kit |
| ACP 5035  | Regolo muro in nylon<br><i>nylon wall spacer</i>                          | 6 pz  |
| AGP 4085  | Angolo vulcanizzato per AGP 4004<br><i>vulcanized corner for AGP 4004</i> | 6 pz  |
| ACP 5014  | Angolo fermavetro<br><i>glazing bead corner</i>                           | 8 pz  |
| ACP 50110 | Squadretta all. eccentrico<br><i>alignment corner joint</i>               | 4 pz  |
| AGP 4885R | Angolo vulcanizzato<br><i>vulcanized corner</i>                           | 4 pz  |

Distinta accessori

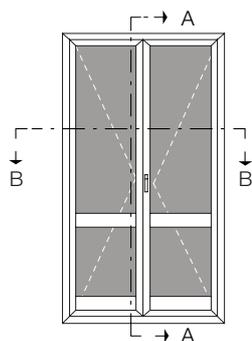
Accessories' list

2 leaf s door

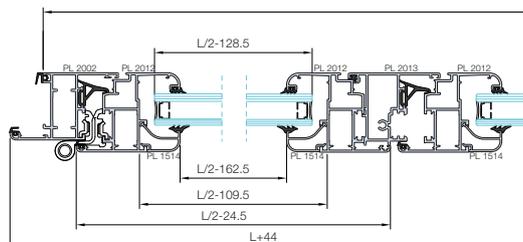
Porta finestra  
2 ante

Glass list

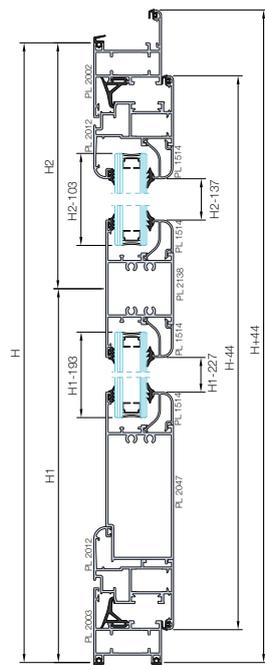
Distinta vetri



| Pezzi | L         | H      |
|-------|-----------|--------|
| 2     | L/2-128.5 | H1-193 |
| 2     | L/2-128.5 | H2-103 |



Sez. B-B



Sez. A-A

Distinta profili

Profiles' list

| Art.    | Descrizione                                    | Pezzi | Misura    | Taglio |
|---------|--|-------|-----------|--------|
| PL 2002 | Traverso superiore telaio<br>top transom frame | 1     | L+44      |        |
|         | Montante telaio<br>mullion frame               | 2     | H+44      |        |
| PL 2003 | Traverso inferiore telaio<br>sil transom leaf  | 1     | L         |        |
| PL 2012 | Traverso anta<br>transom leaf                  | 2     | L/2-24.5  |        |
|         | Montante anta<br>mullion leaf                  | 2     | H-44      |        |
| PL 2138 | Fascia<br>cross piece                          | 1     | L/2-109.5 |        |
| PL 1514 | Traverso fermavetro<br>transom glazing bead    | 4     | L/2-162.5 |        |
|         | Montante fermavetro<br>mullion glazing bead    | 2     | H1-227    |        |
|         | Montante fermavetro<br>mullion glazing bead    | 2     | H2-137    |        |
| PL 2047 | Zoccolo riportato<br>fitted base               | 2     | L/2-109.5 |        |
| PL 2013 | Riporto centrale<br>central cap                | 1     | H-114     |        |

Distinta guarnizioni

Gaskets' list

| Art.              | Descrizione                              | Pezzi | Misura    |
|-------------------|--|-------|-----------|
| AGP 4000          | Battuta<br>wall seal                     | 1     | L+44      |
|                   |  | 2     | H+44      |
|                   |  | 4     | L/2-24.5  |
|                   |  | 3     | H-44      |
| AGP 4013          | Vetro esterno<br>external glass gasket   | 8     | L/2-128.5 |
|                   |  | 4     | H1-193    |
|                   |  | 4     | H2-103    |
| Dipende dal vetro | Vetro interno<br>internal glass gasket   | 8     | L/2-128.5 |
|                   |  | 4     | H1-193    |
|                   |  | 4     | H2-103    |
| AGP 4002          | Isolamento muro<br>insulation wall       | 2     | L-124     |
|                   |  | 3     | H-124     |
| AGP 4501R         | Pinna giunto aperto<br>open joint gasket | 1     | H-114     |

Distinta accessori

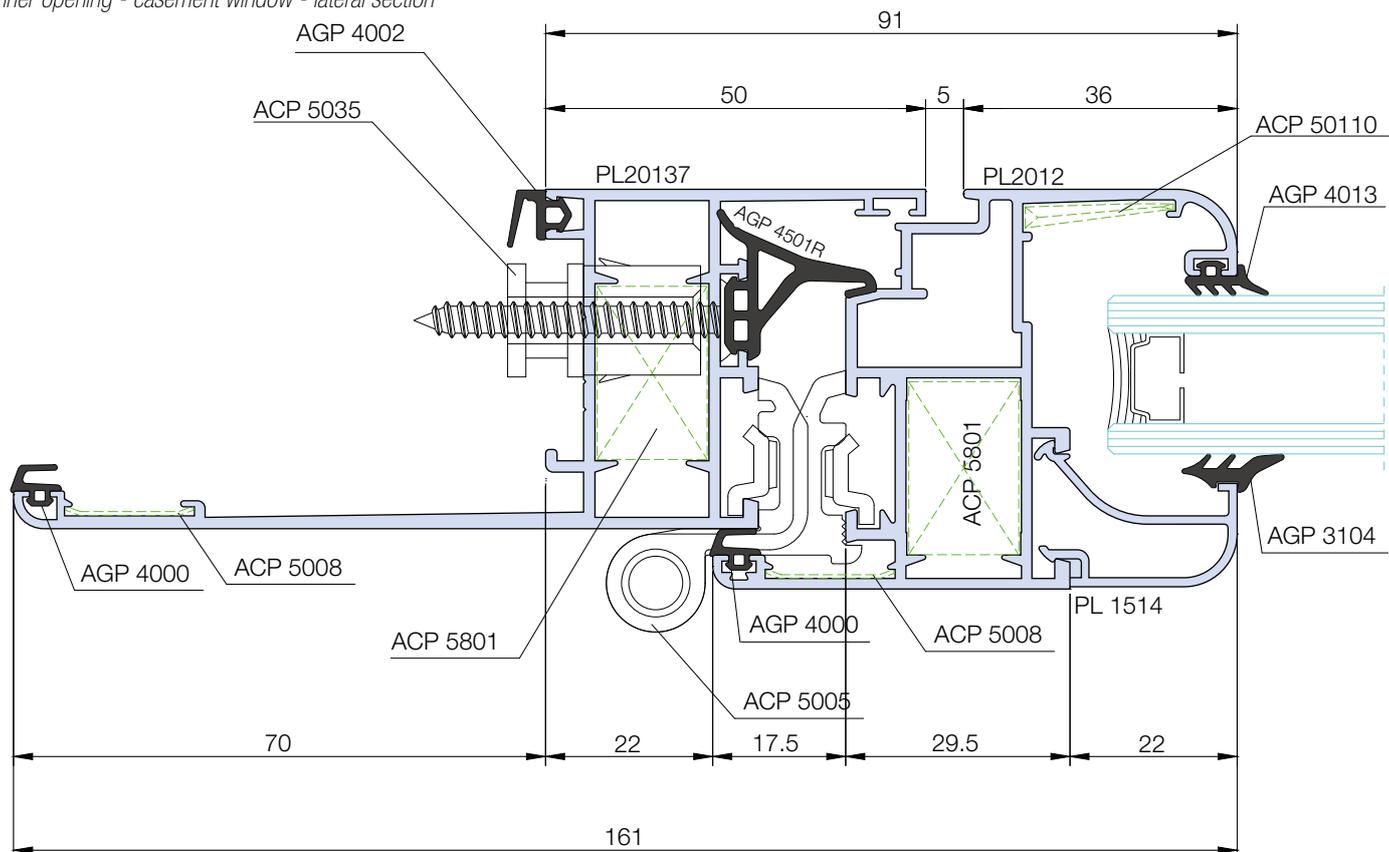
Accessories' list

| Art.      | Descrizione   | Q.tà  |
|-----------|---|-------|
| ACP 5801  | Squadretta multifunzione<br>multifunctional corner joint              | 12 pz |
| ACP 5001  | Vite per ACP 5801<br>screw for ACP 5801                               | 24 pz |
| ACP 5005  | Cerniere<br>hinge   | 6 pz  |
| ACP 5008  | Squadretta all. inox<br>alignment corner joint                        | 10 pz |
| ACP 50200 | Cremonese Aurora<br>Aurora cremonese handle                           | 1 pz  |
| ACP 50175 | Kit chiusura<br>Locking kit   | 1 kit |
| ACP 5022  | Catenacciolo<br>bolt  | 2 pz  |
| ACP 5579  | Tappo di riporto<br>plug  | 1 cp  |
| ACP 5035  | Regolo muro in nylon<br>nylon wall spacer                             | 6 pz  |
| AGP 4085  | Angolo vulcanizzato per<br>AGP 4004<br>vulcanized corner for AGP 4004 | 8 pz  |
| ACP 5014  | Angolo fermavetro<br>glazing bead corner                              | 16 pz |
| ACP 50110 | Squadretta all. eccentrico<br>alignment corner joint                  | 8 pz  |
| AGP 4885R | Angolo vulcanizzato<br>vulcanized corner                              | 4 pz  |

## Nodo 01

Apertura interna - finestra a battente - nodo laterale

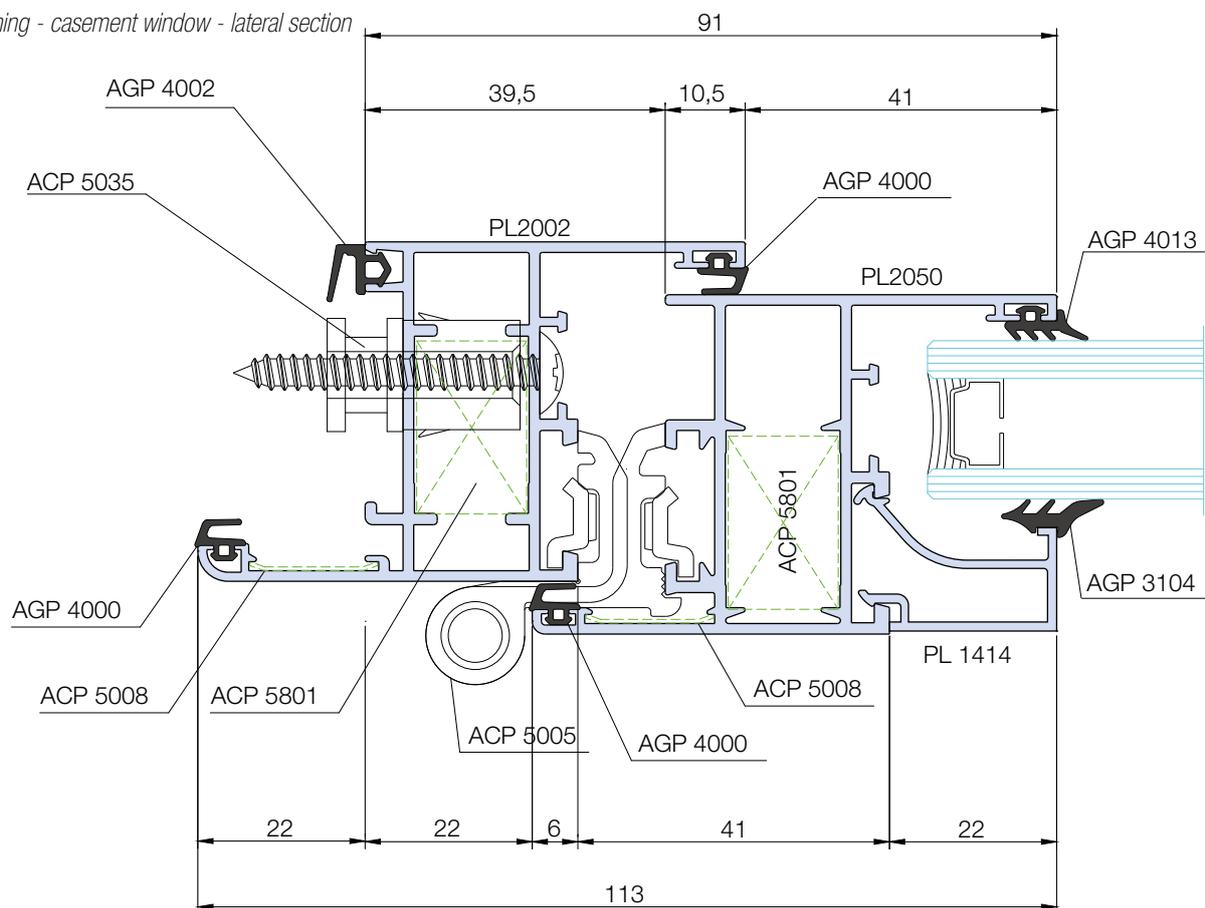
Inner opening - casement window - lateral section



## Nodo 02

Apertura interna - finestra a battente - nodo laterale

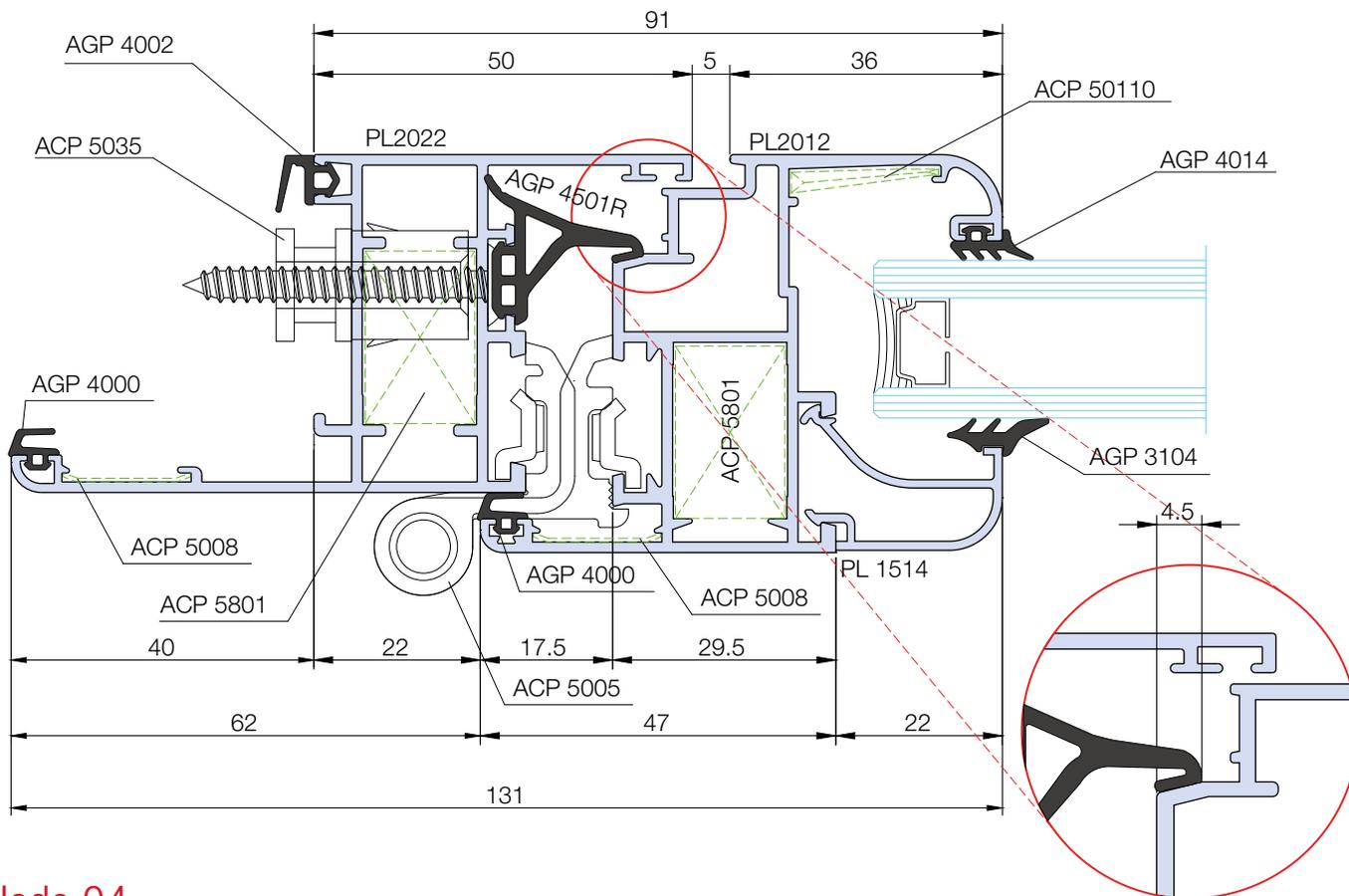
Inner opening - casement window - lateral section



## Nodo 03

### Apertura interna - finestra a battente - nodo laterale

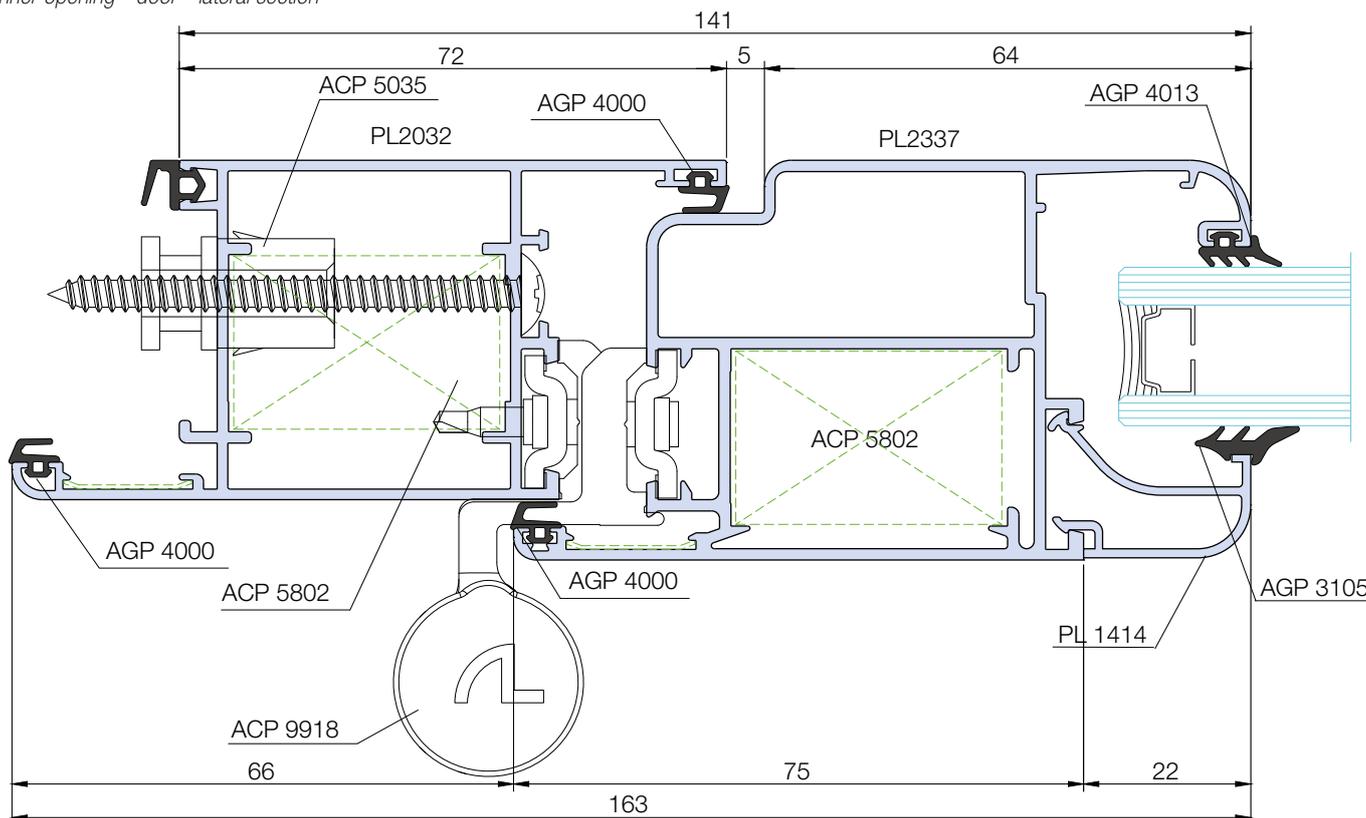
Inner opening - casement window - lateral section



## Nodo 04

### Apertura interna - porta - nodo laterale

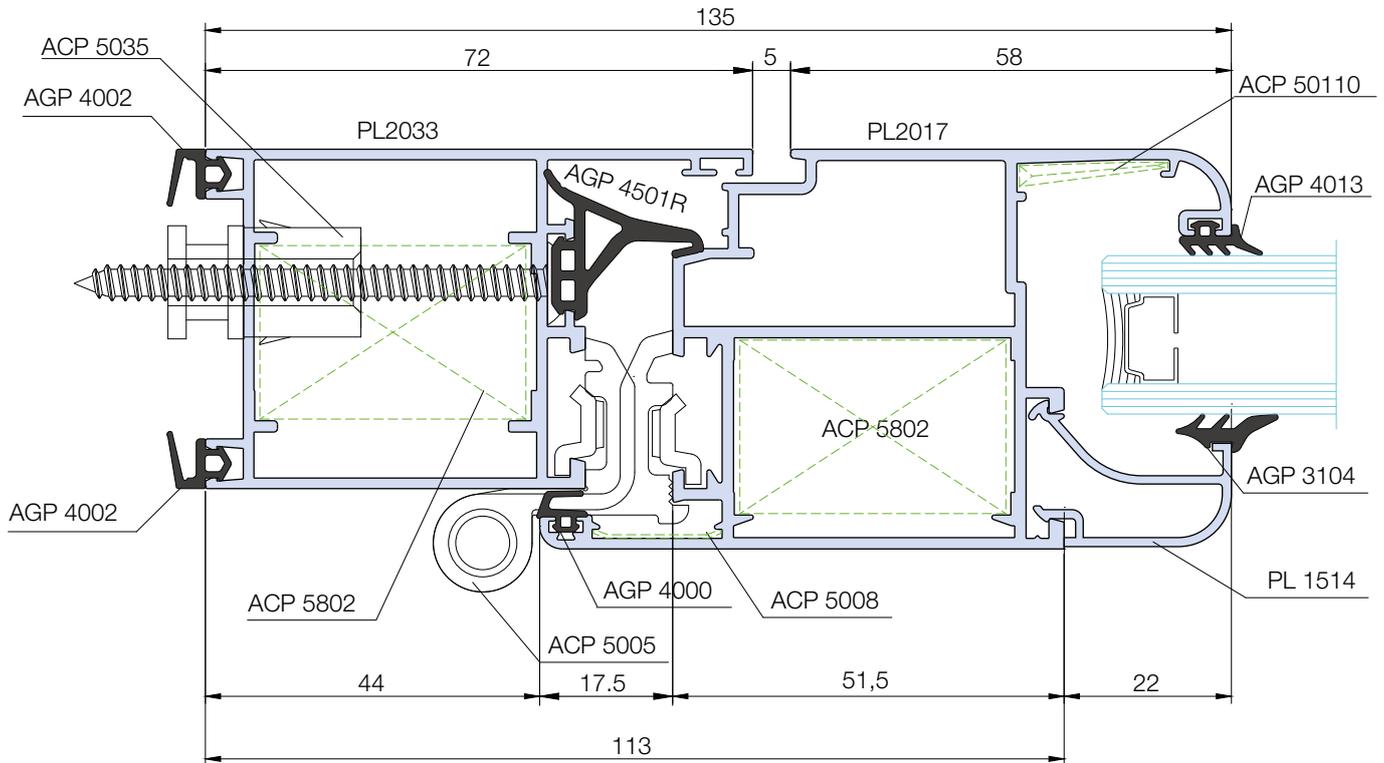
Inner opening - door - lateral section



## Nodo 05

Apertura interna - finestra a battente - nodo laterale

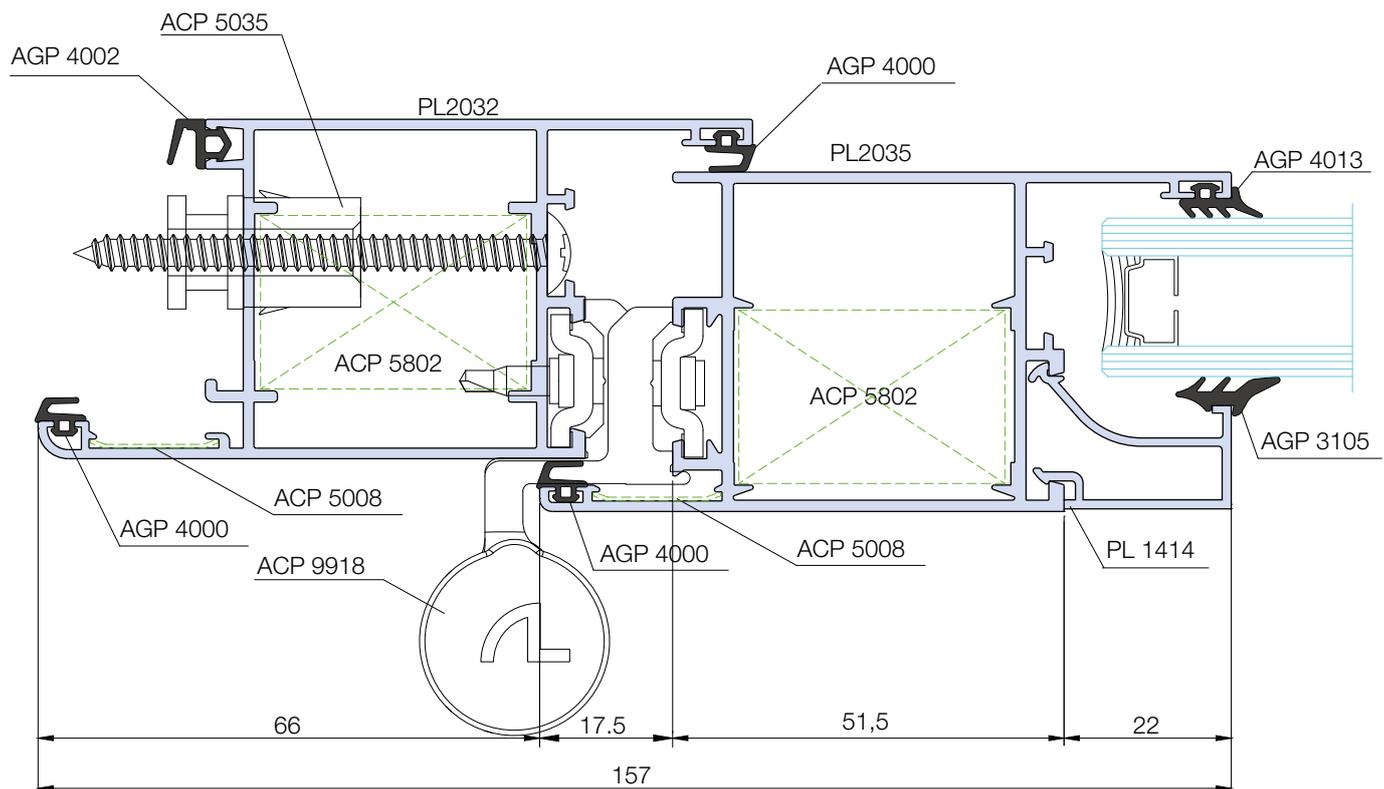
Inner opening - casement window - lateral section



## Nodo 06

Apertura interna - porta - nodo laterale

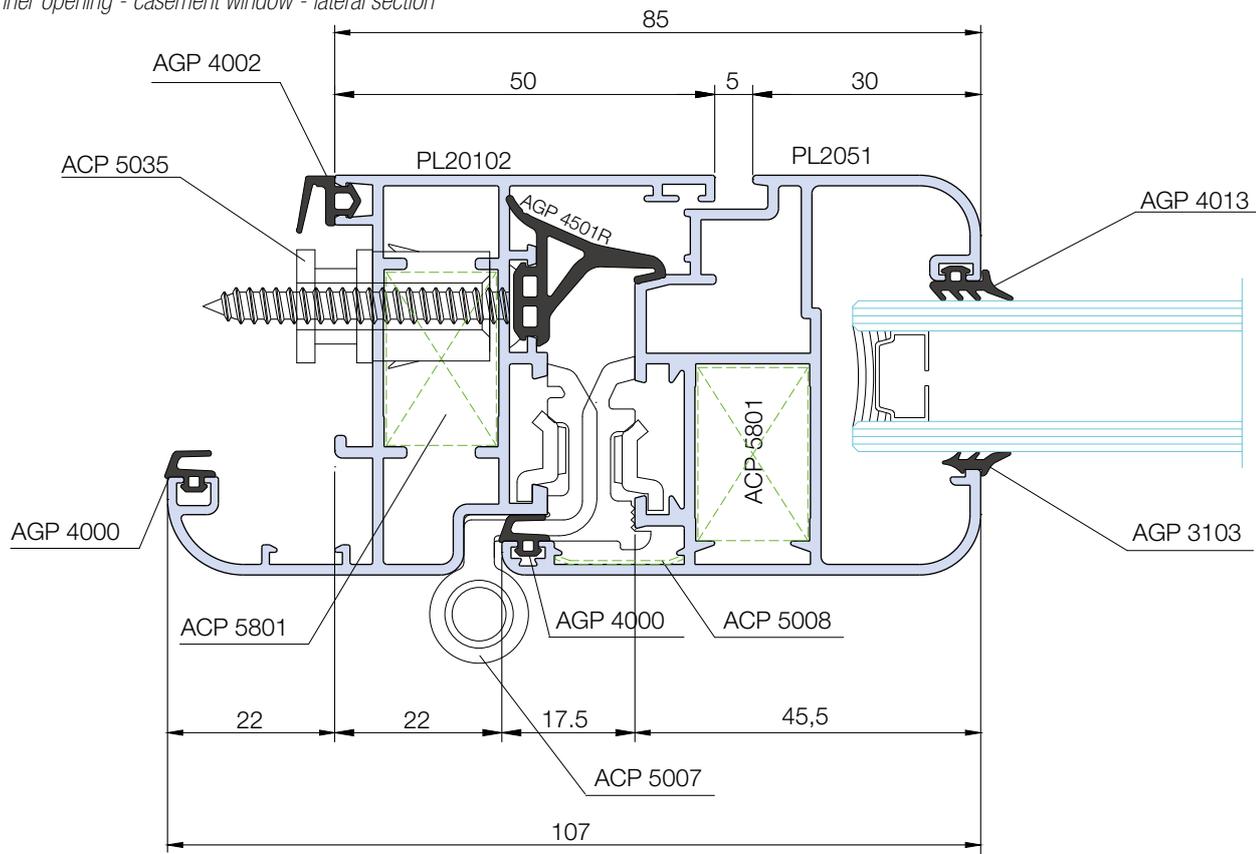
Inner opening - door - lateral section



## Nodo 07

### Apertura interna - finestra a battente - nodo laterale

Inner opening - casement window - lateral section

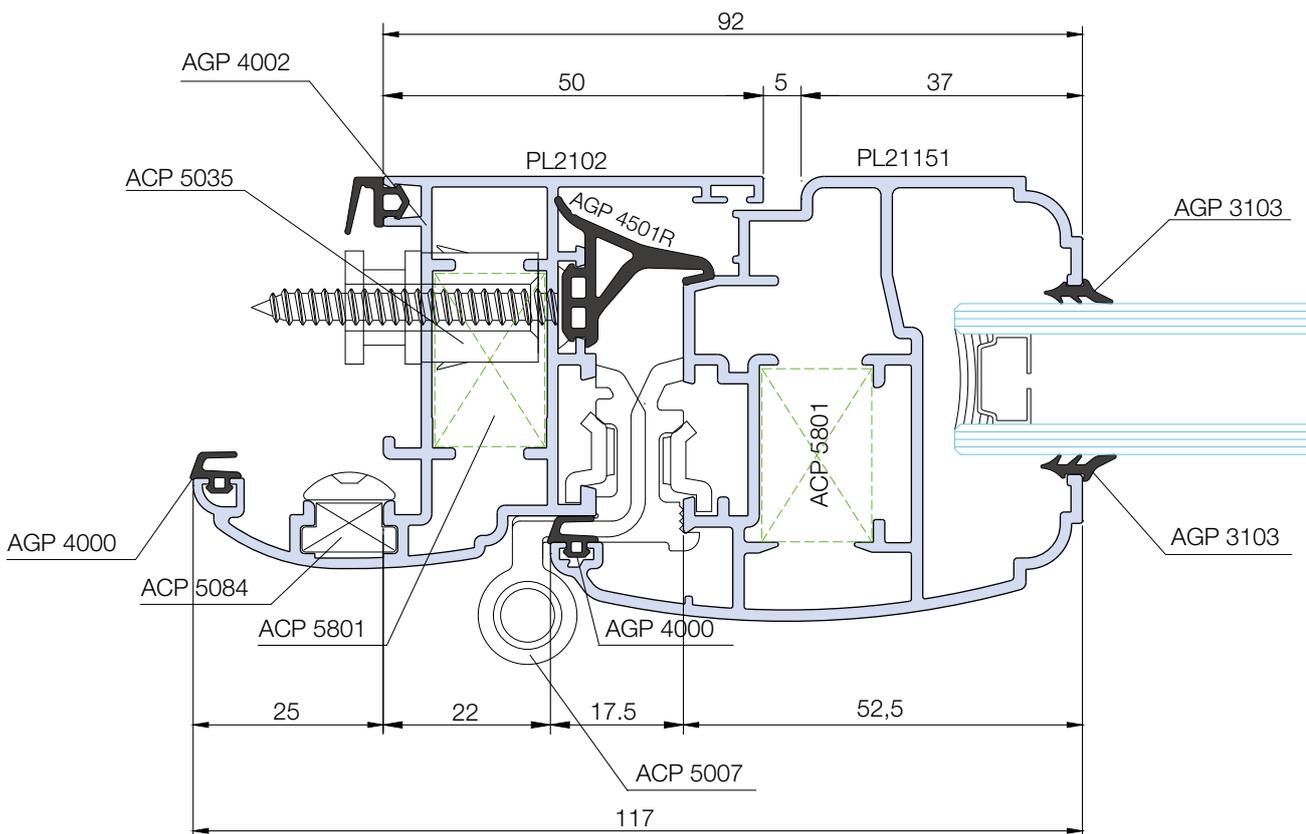


23

## Nodo 08

### Apertura interna - finestra a battente - nodo laterale

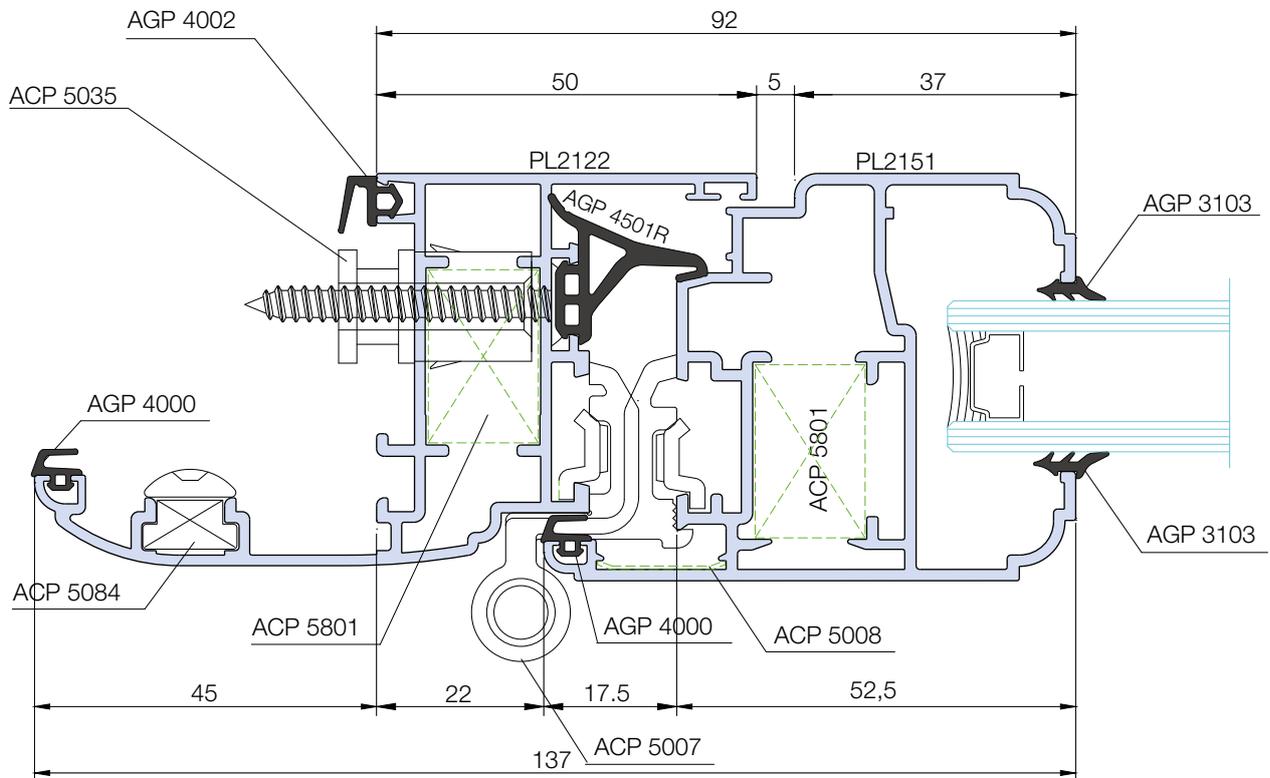
Inner opening - casement window - lateral section



## Nodo 09

Apertura interna - finestra a battente - nodo laterale

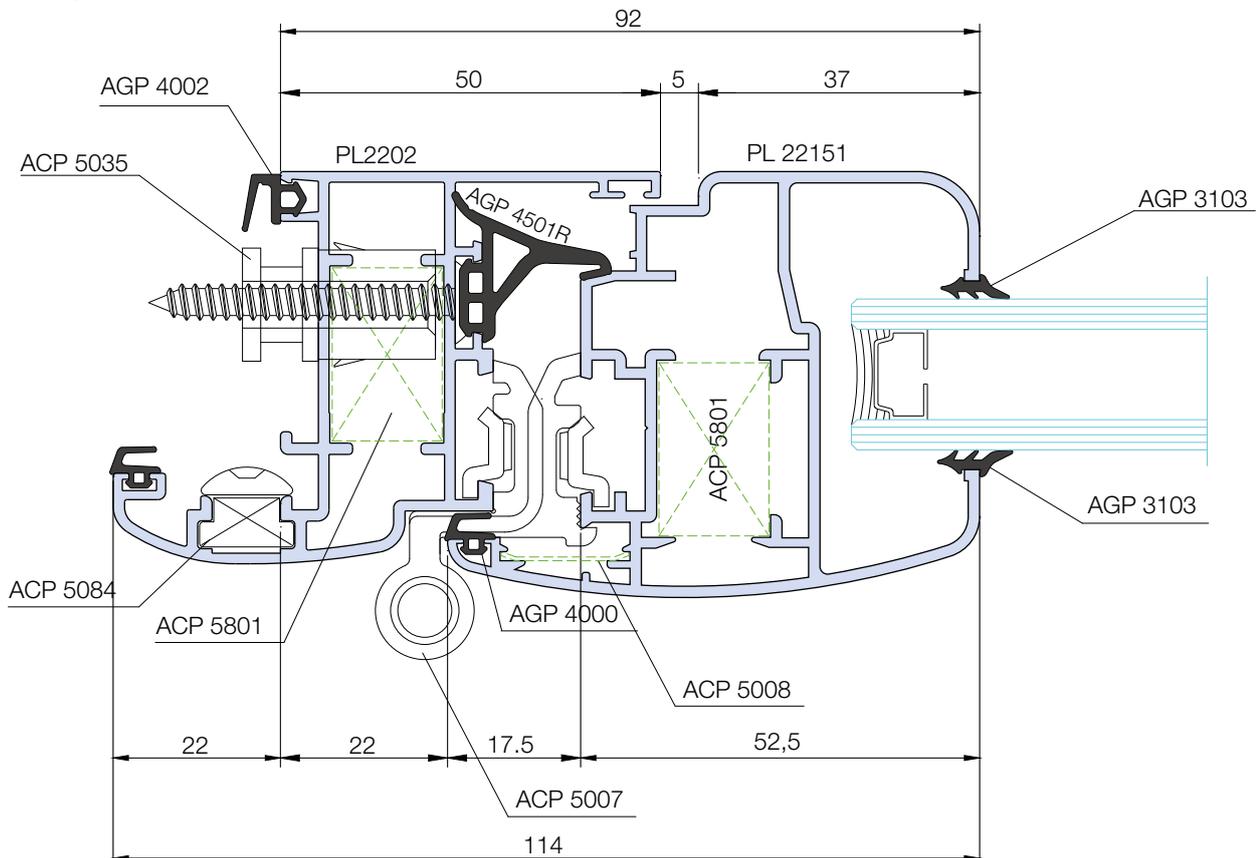
Inner opening - casement window - lateral section



## Nodo 10

Apertura interna - finestra a battente - nodo laterale

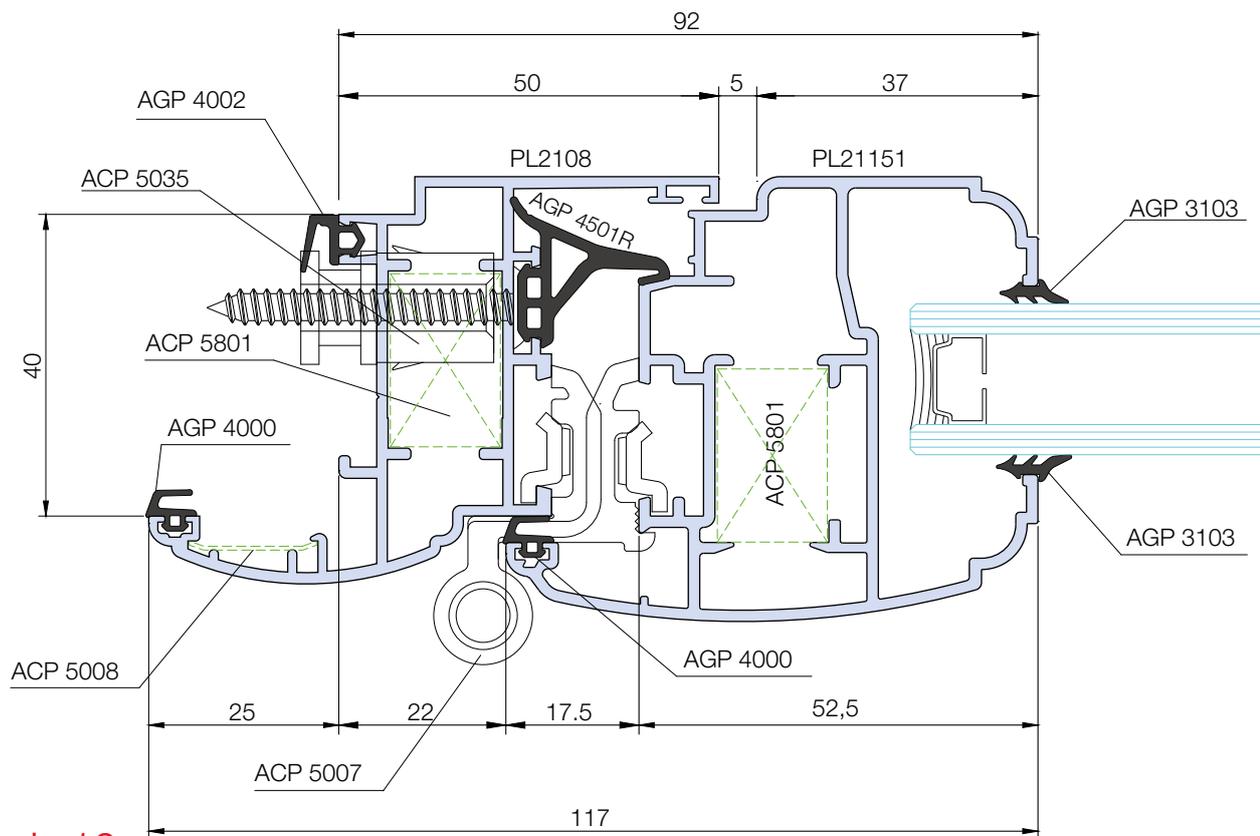
Inner opening - casement window - lateral section



## Nodo 11

### Apertura interna - finestra a battente - nodo laterale

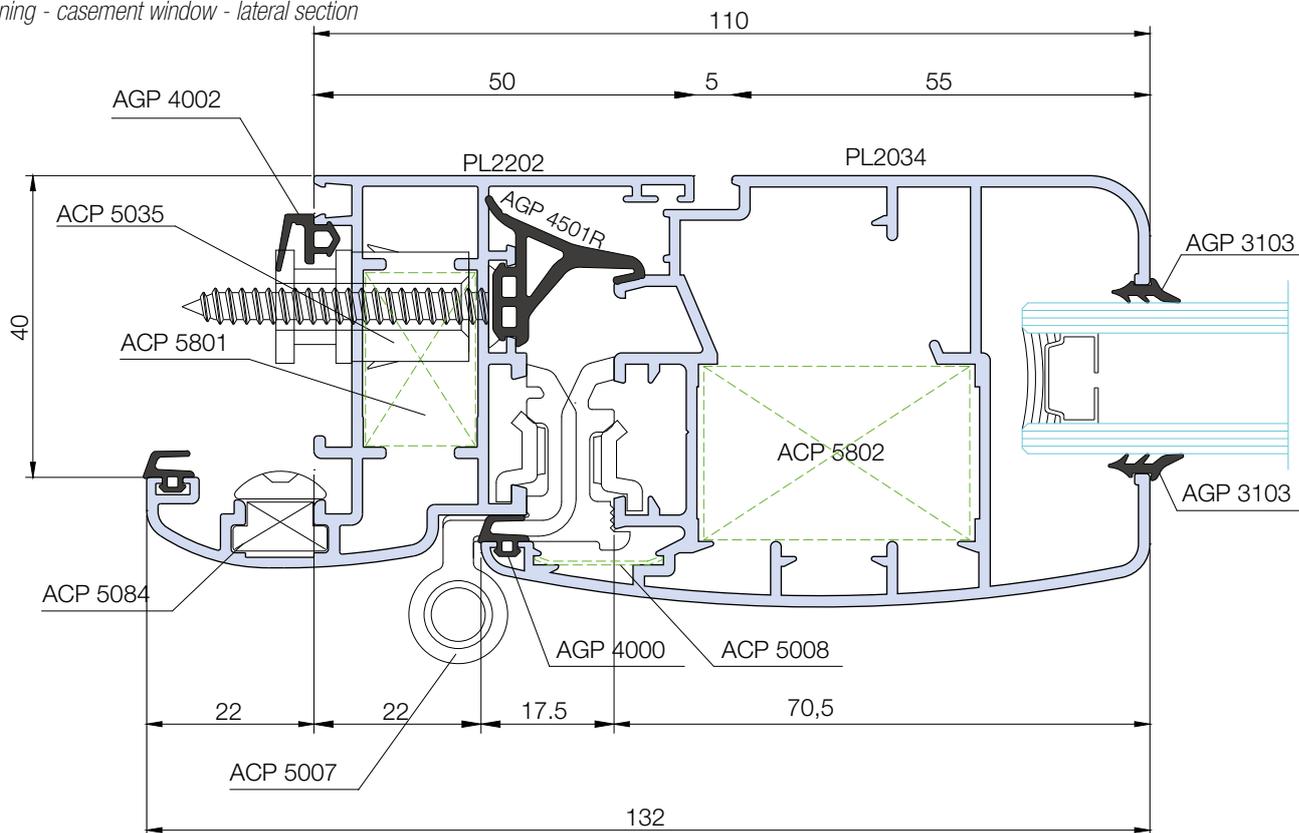
Inner opening - casement window - lateral section



## Nodo 12

### Apertura interna - finestra a battente - nodo laterale

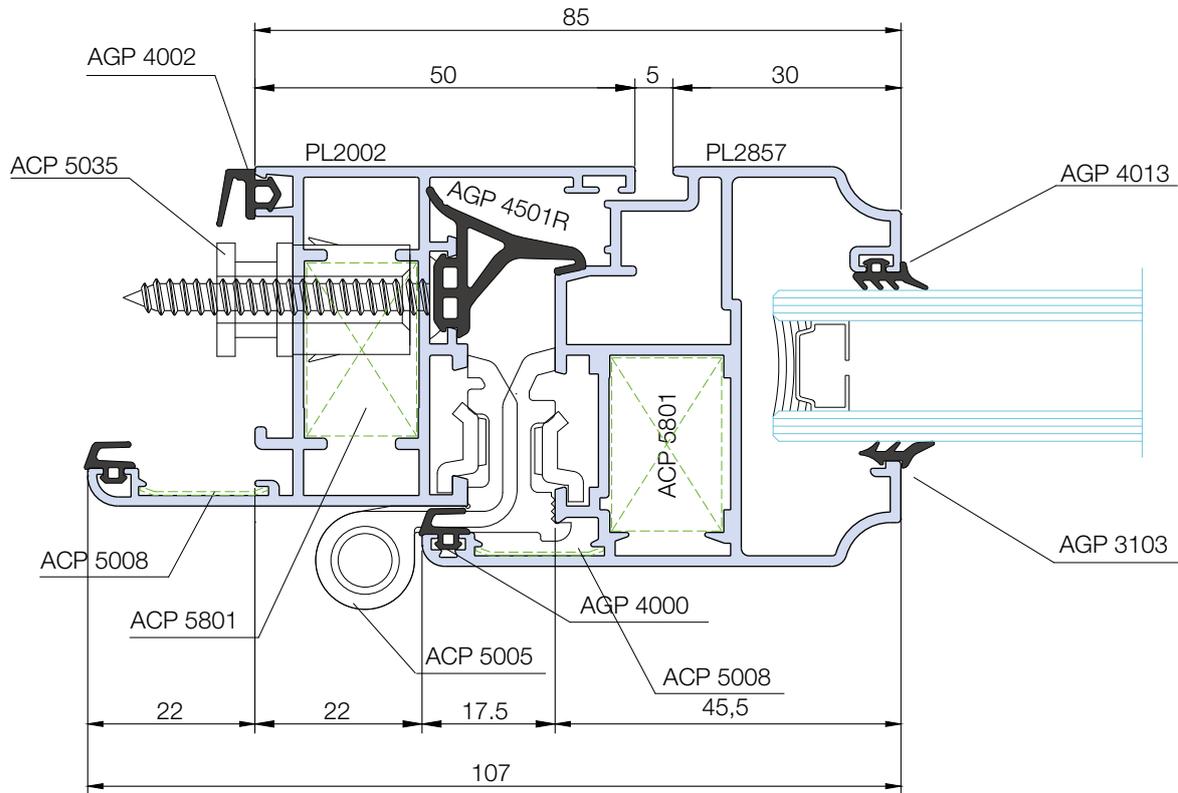
Inner opening - casement window - lateral section



## Nodo 13

Apertura interna - finestra a battente - nodo laterale

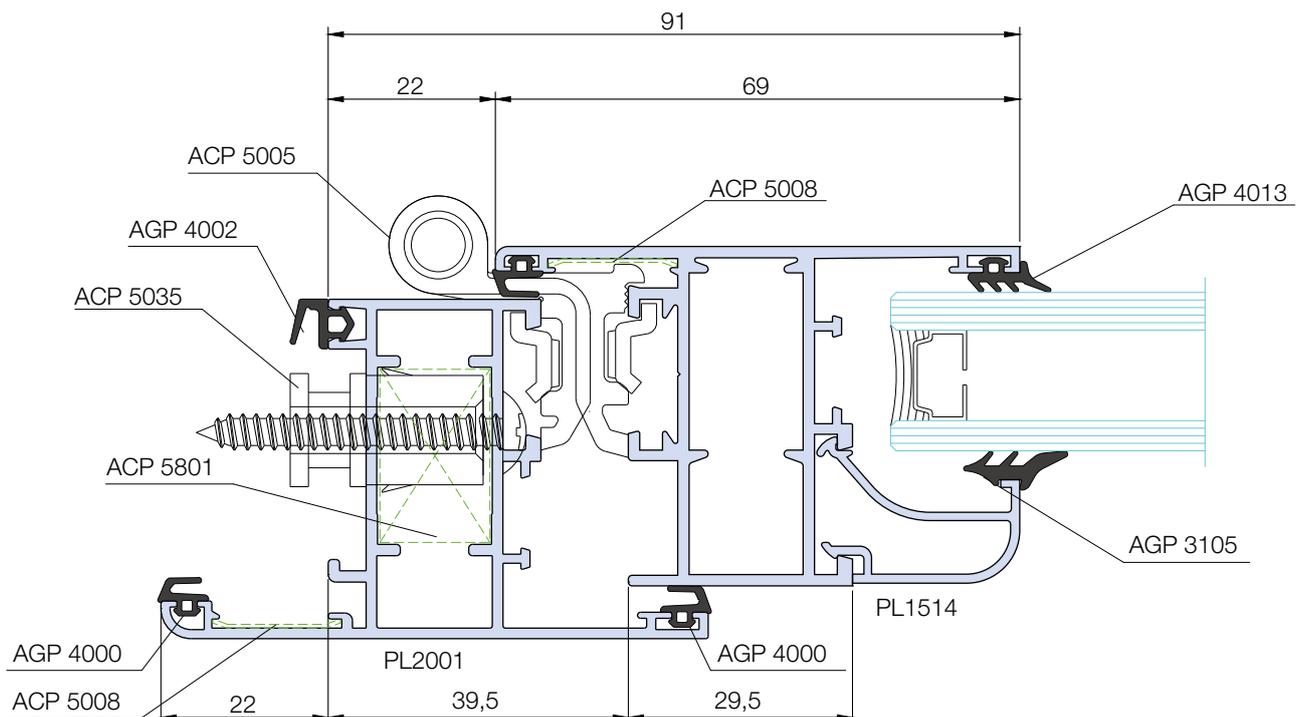
Inner opening - casement window - lateral section



## Nodo 14

Apertura esterna - finestra a battente - nodo laterale

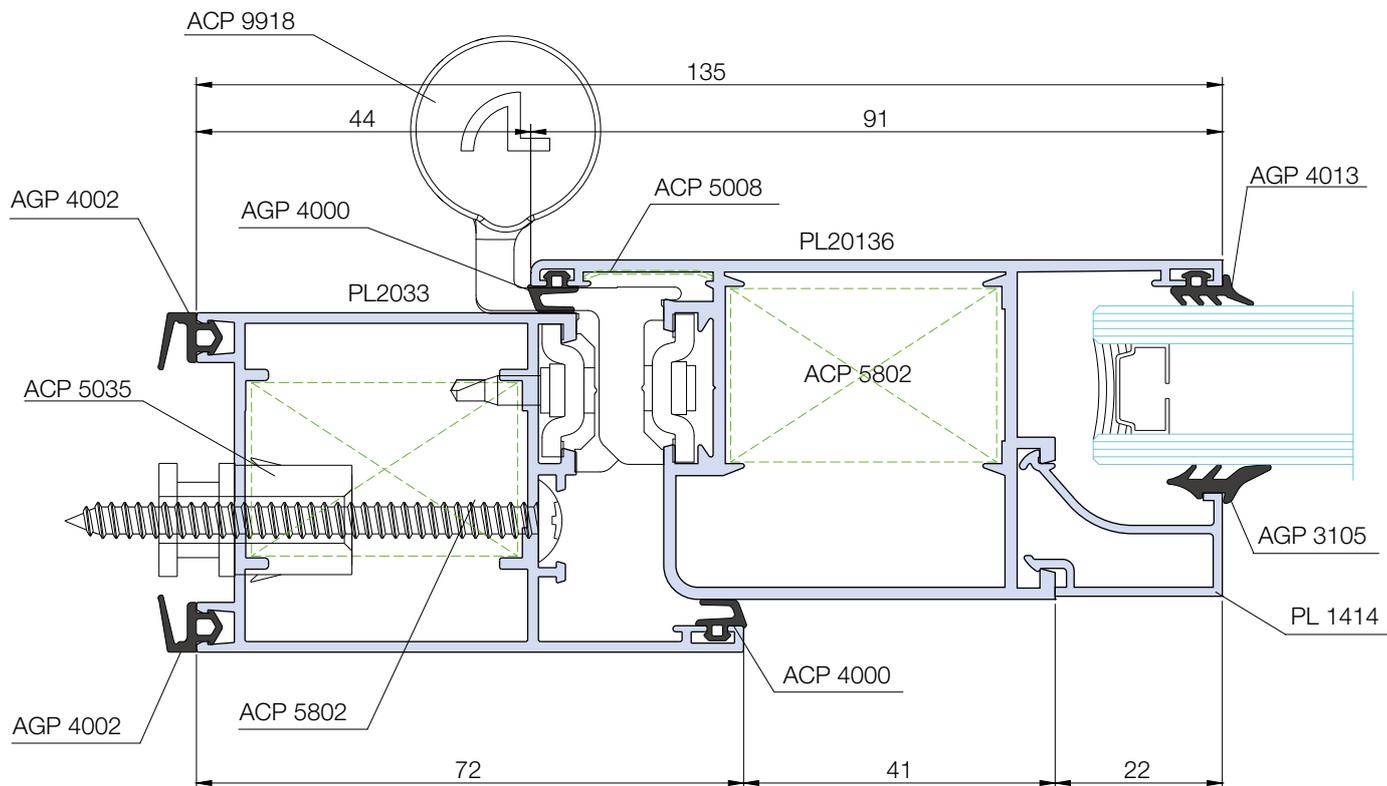
External opening - casement window - lateral section



## Nodo 15

### Apertura esterna - porta - nodo laterale

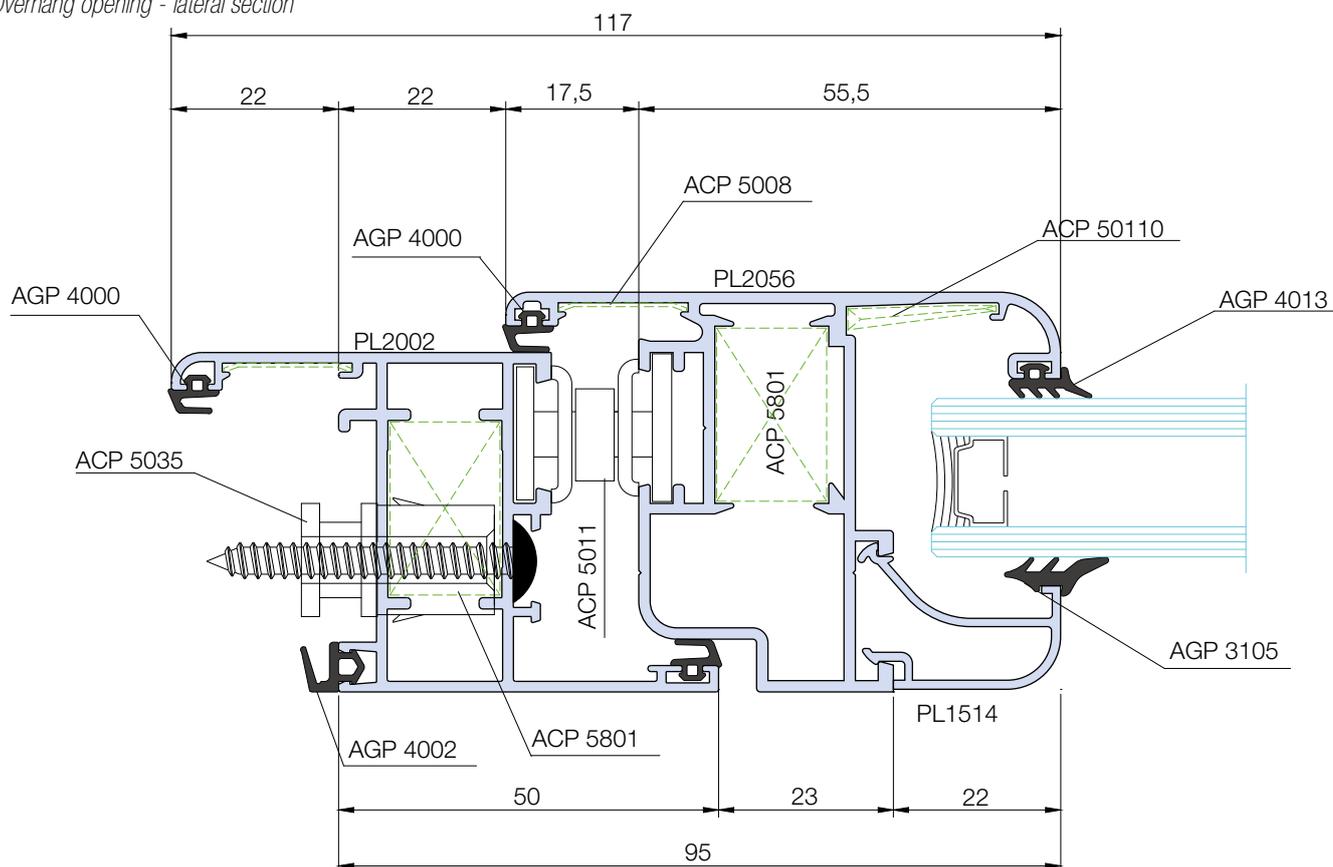
External opening - door - lateral section



## Nodo 16

### Apertura a sporgere - nodo laterale

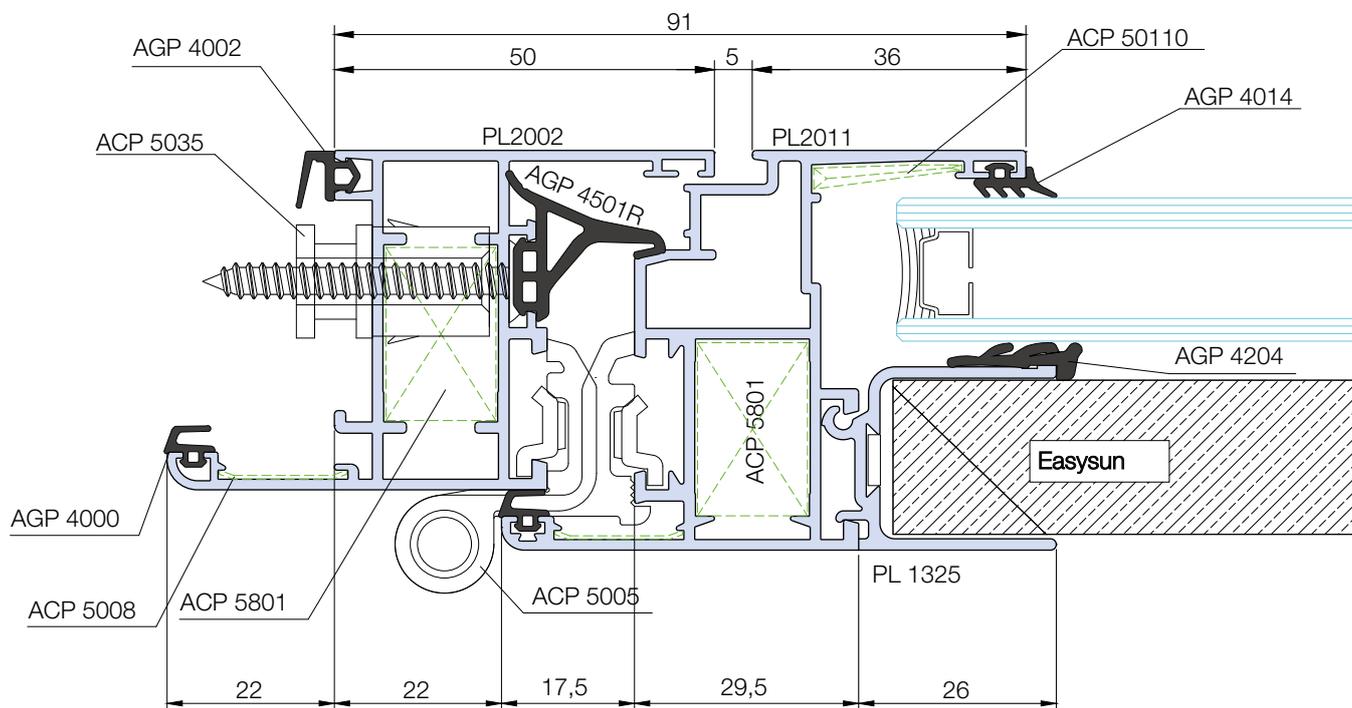
Overhang opening - lateral section



## Nodo 17

Apertura interna - finestra a battente con Easysun integrata - nodo laterale

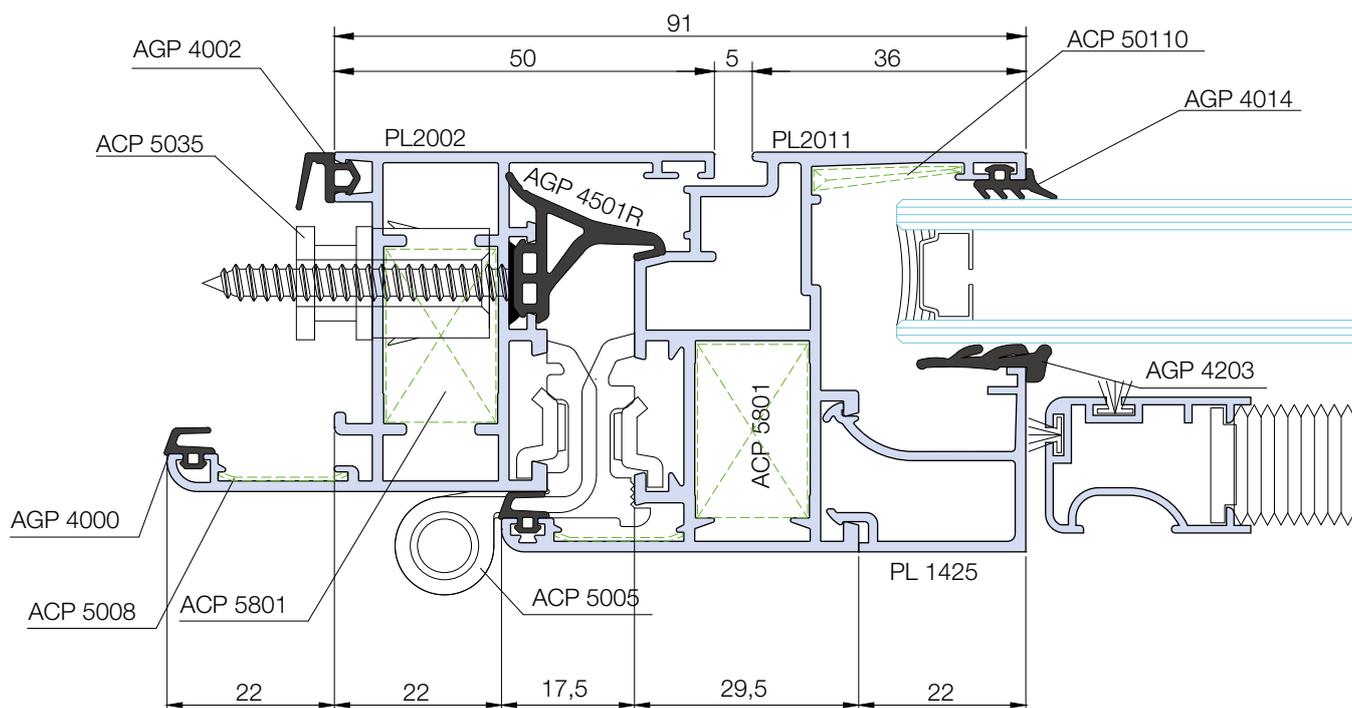
Inner opening - casement window with Easysun - lateral section



## Nodo 18

Apertura interna - finestra a battente con oscurante integrato - nodo laterale

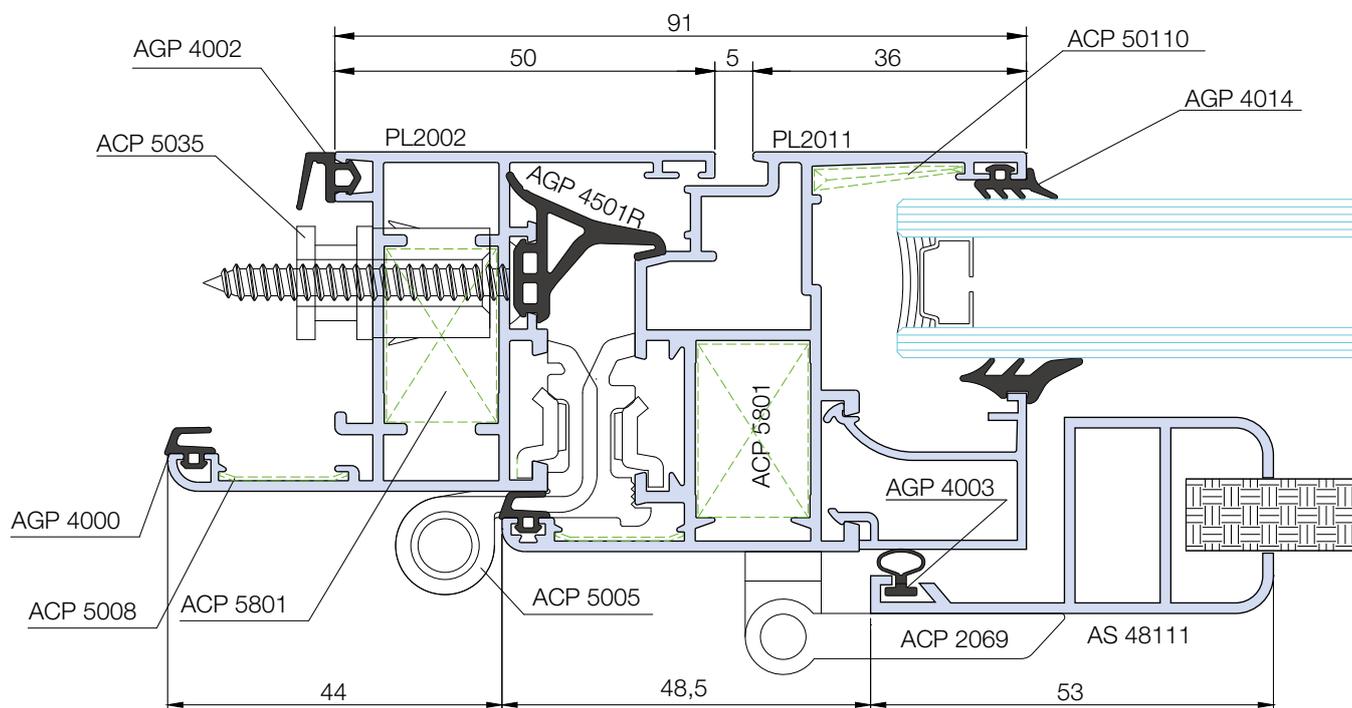
Inner opening - casement window with integrated blind - lateral section



## Nodo 19

### Apertura interna - finestra a battente con oscurante - nodo laterale

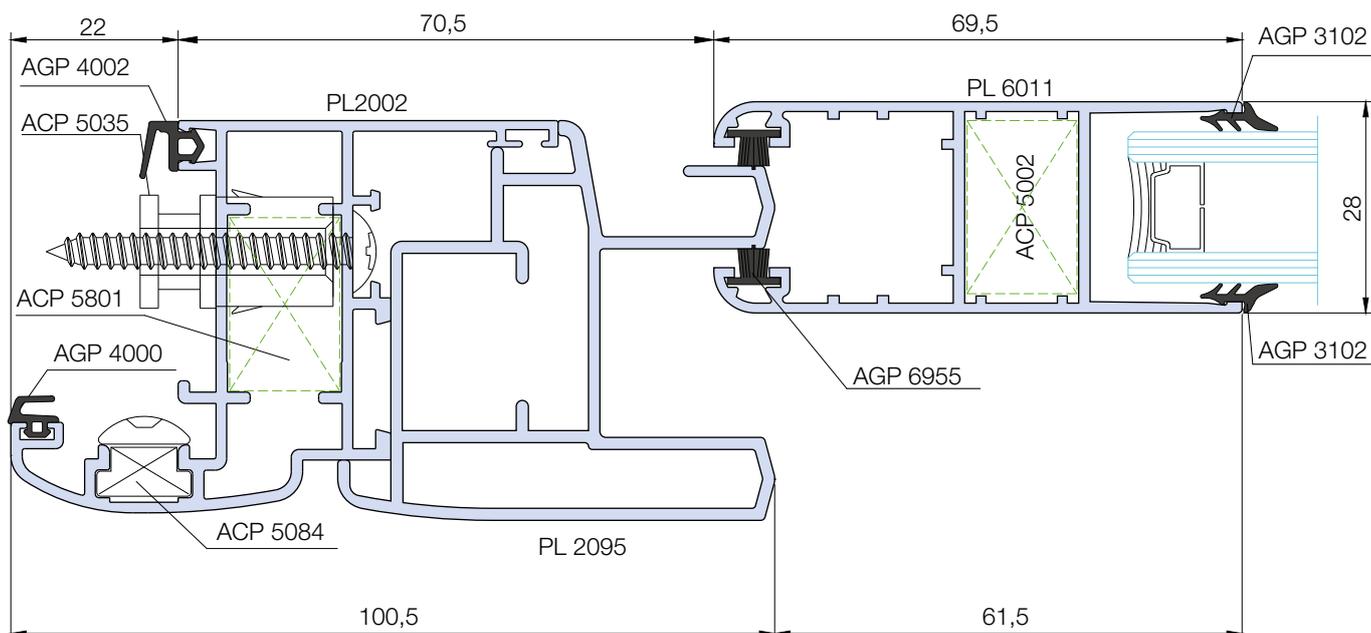
Inner opening - casement window with integrated blind - lateral section



## Nodo 20

### Abbinamento Slide 60 - nodo laterale

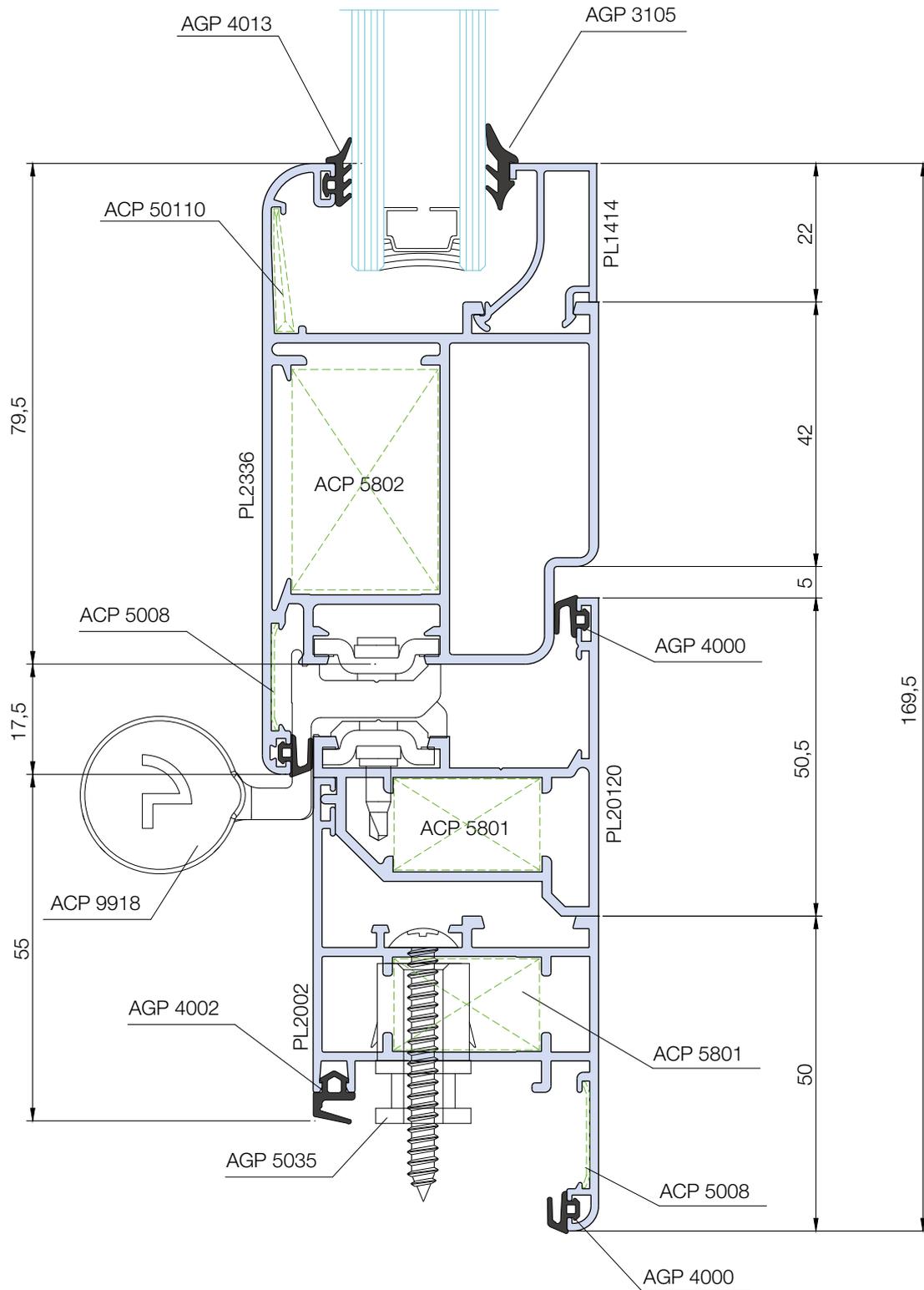
Slide 60 march - lateral section



## Nodo 21

Apertura esterna - porta + fisso - nodo laterale

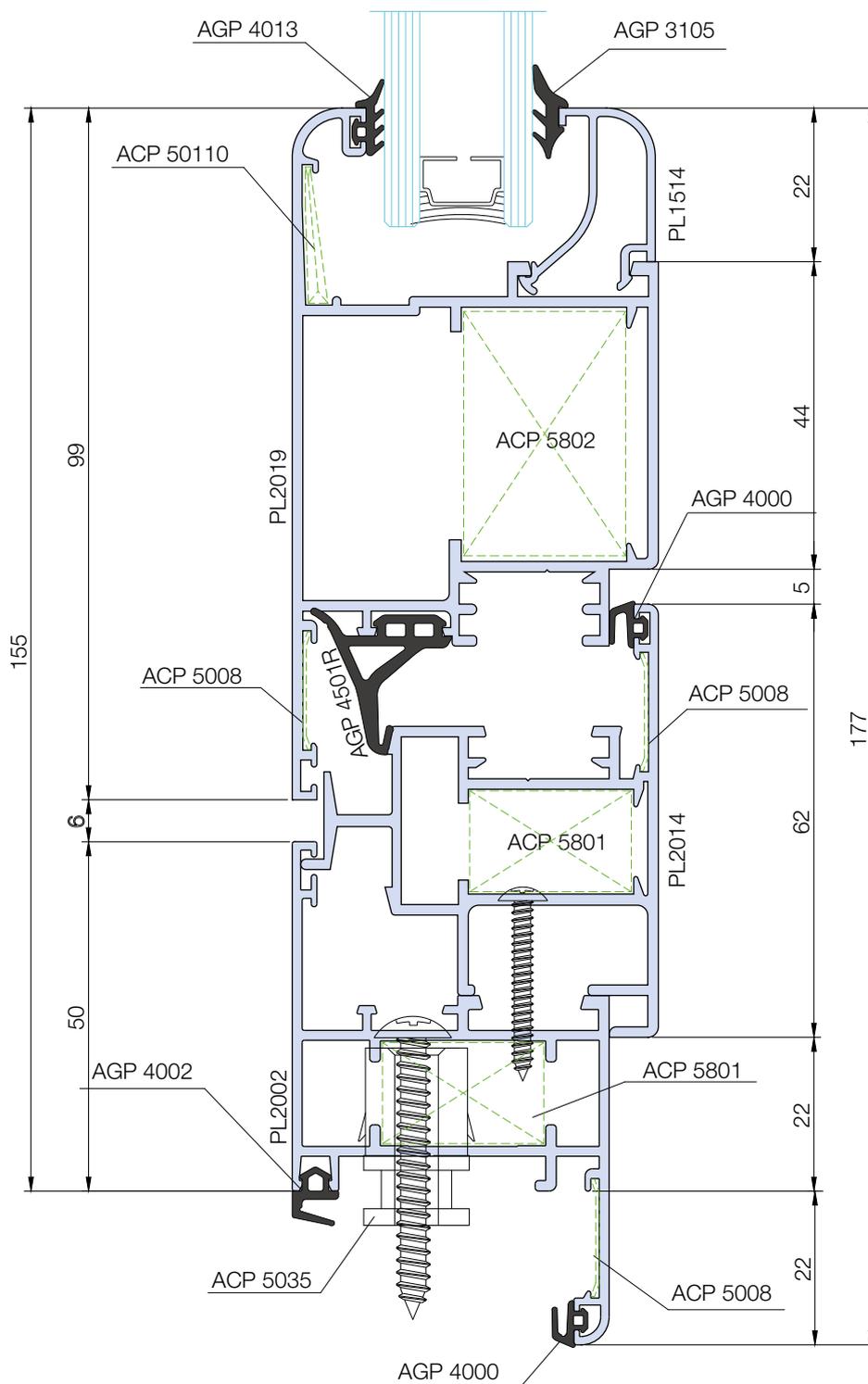
External opening - door with fixed - lateral section



# Nodo 22

## Bilico - nodo inferiore

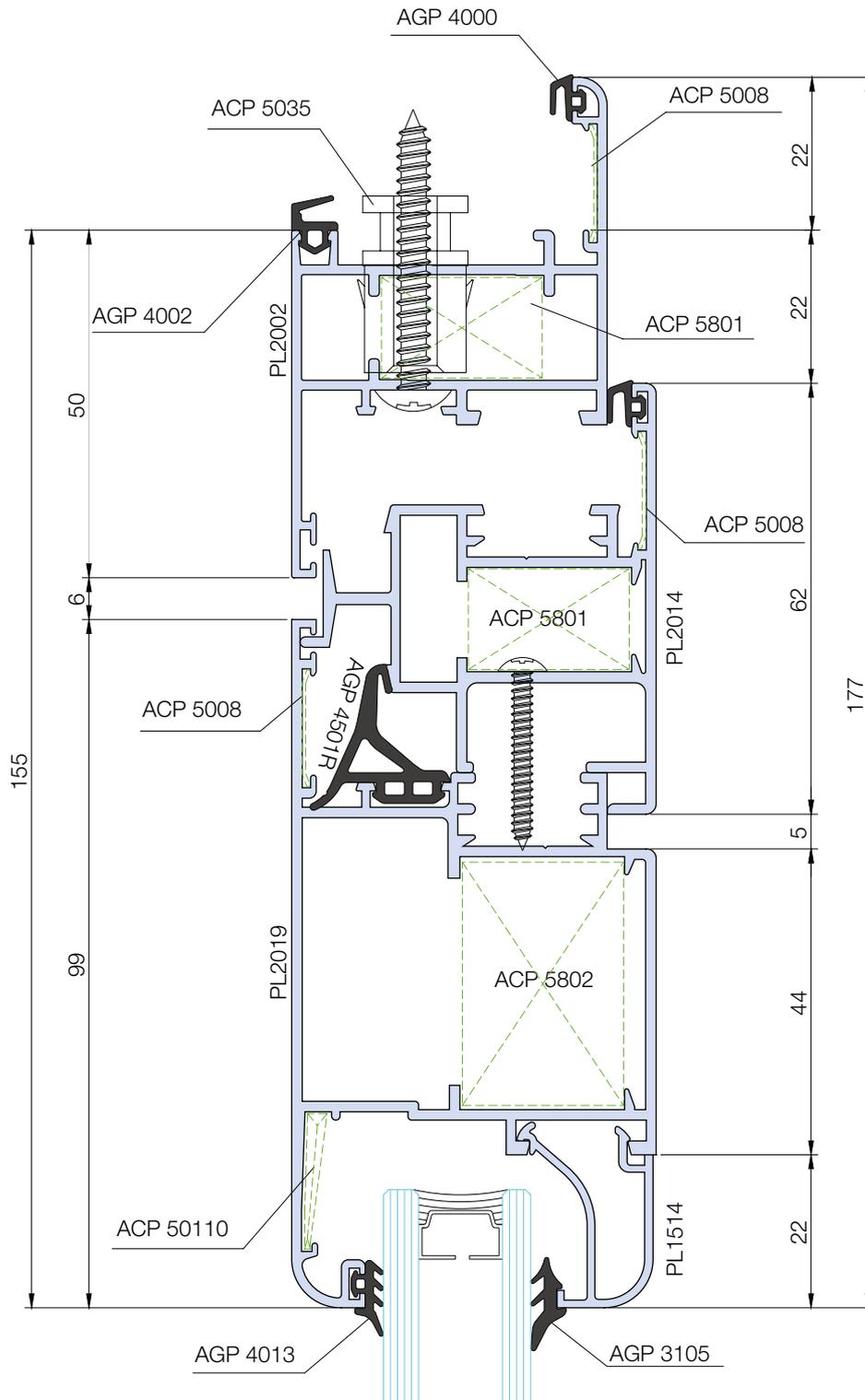
Pivot window - Bottom section



## Nodo 23

Bilico - nodo superiore

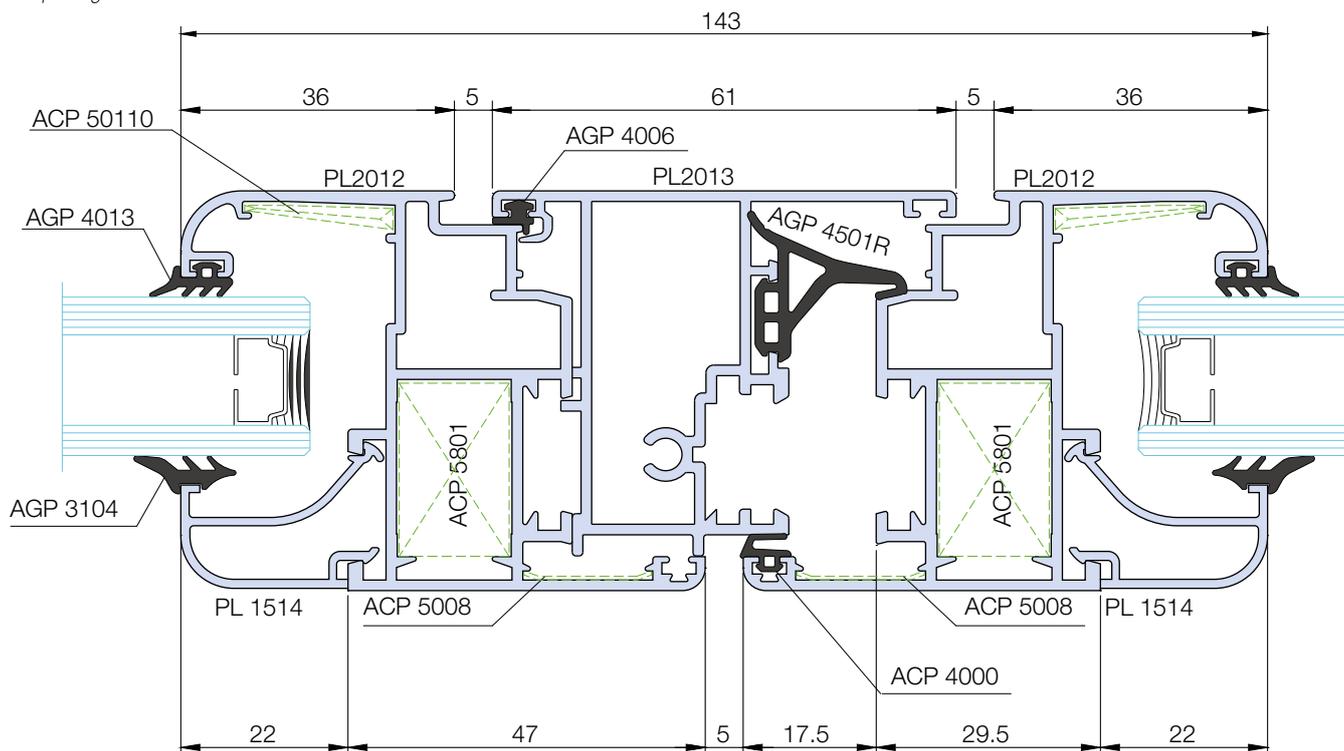
Pivot window - Top opening



## Nodo 24

### Apertura interna - finestra a battente - nodo centrale

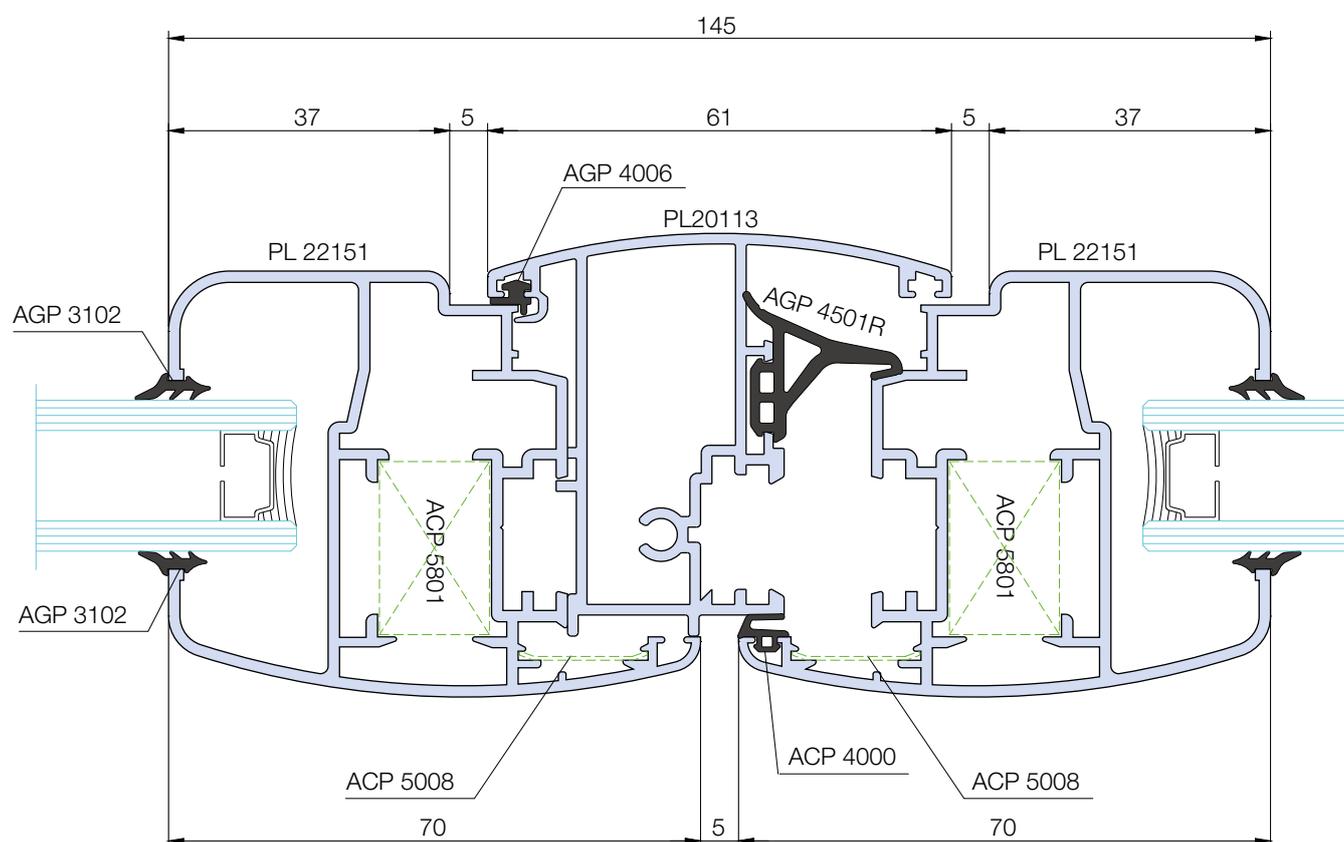
Inner opening - casement window - central section



## Nodo 25

### Apertura interna - finestra a battente - nodo centrale

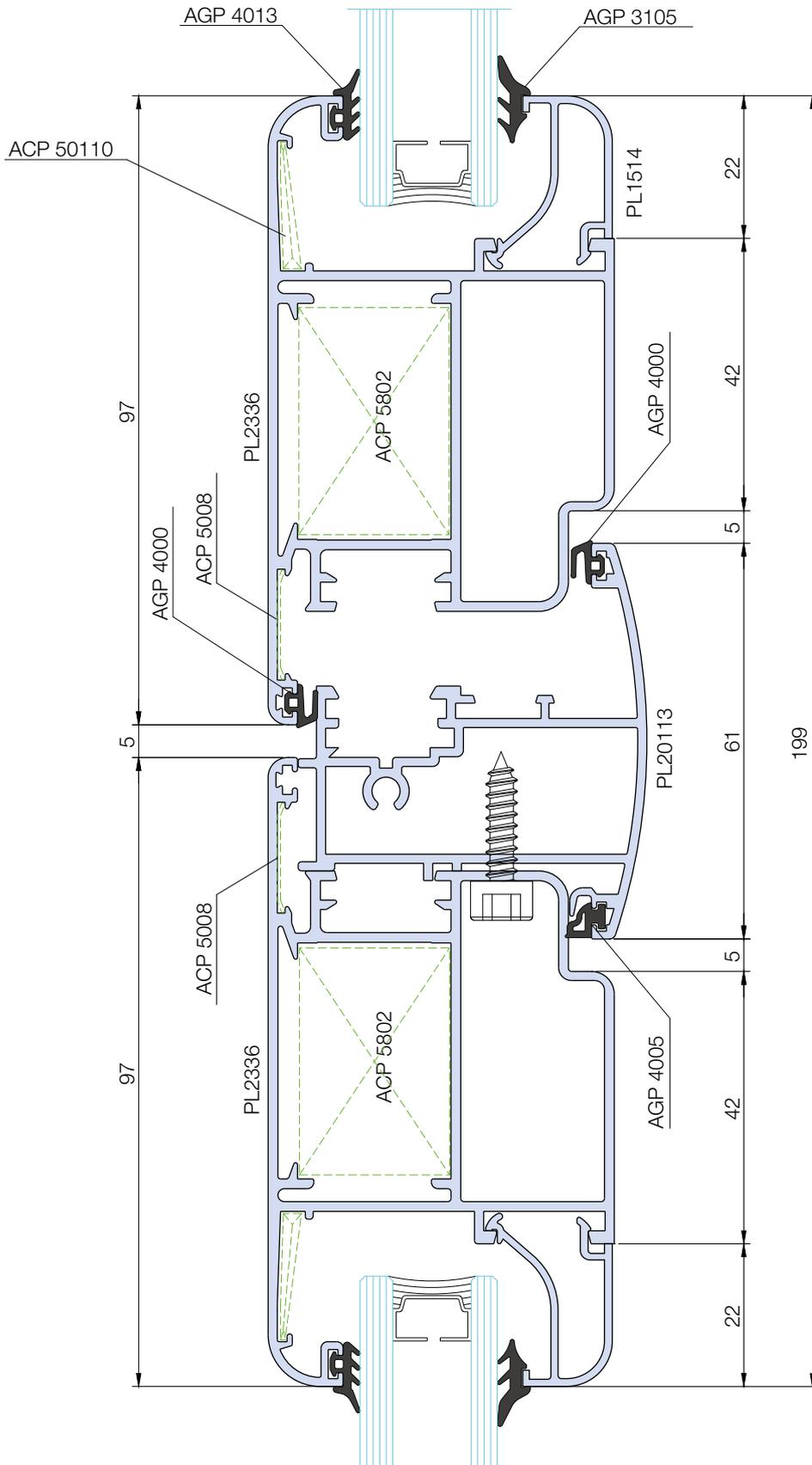
Inner opening - casement window - central section



## Nodo 26

Apertura esterna - porta - nodo centrale

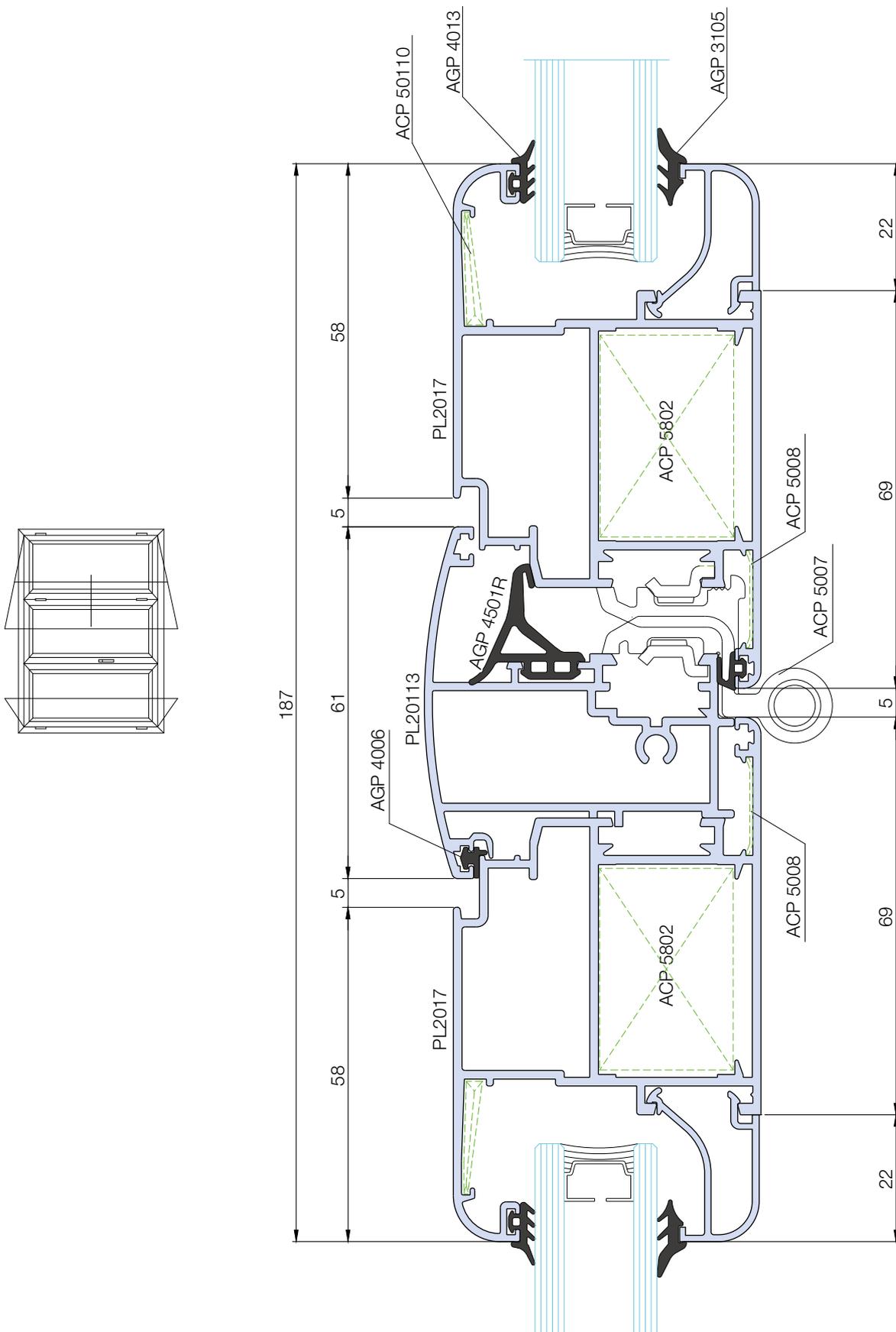
External opening - door - central section



# Nodo 27

## Apertura interna - finestra a battente 3 ante - nodo centrale

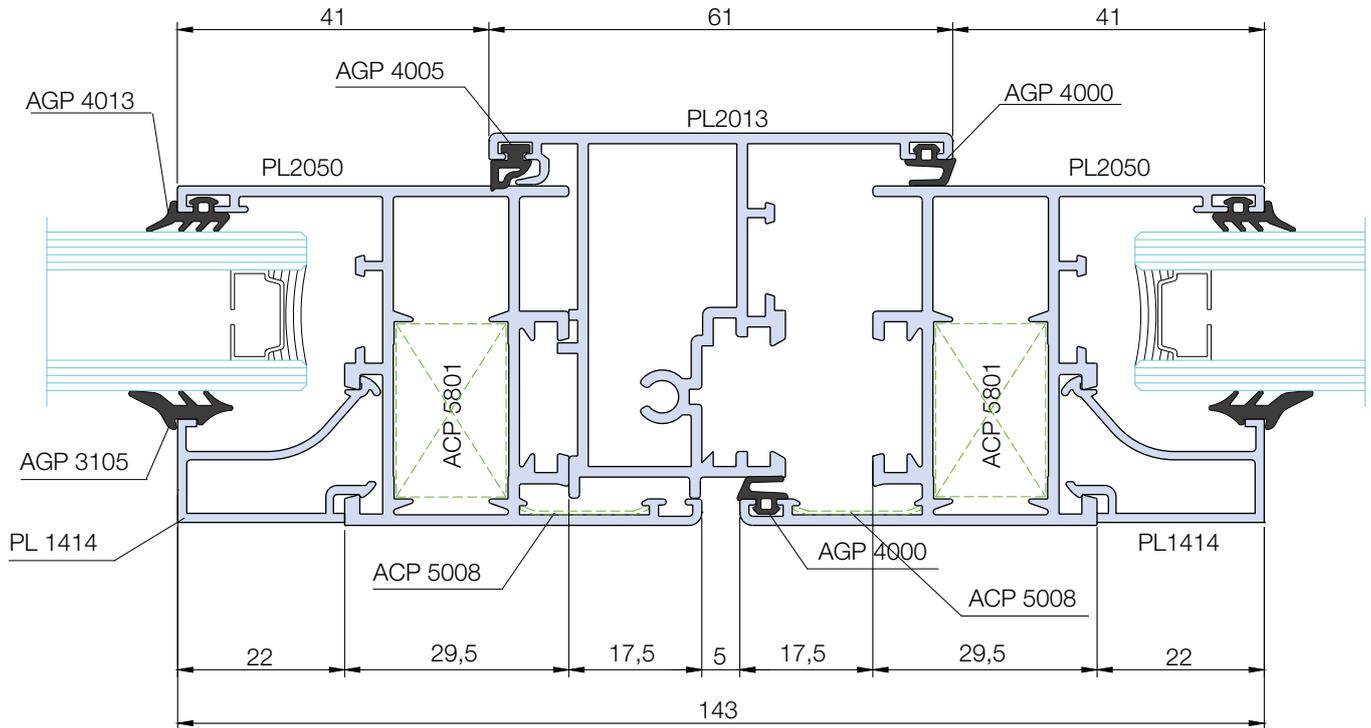
Inner opening - 3 leafs casement window - central section



## Nodo 28

Apertura interna - finestra a battente - nodo centrale

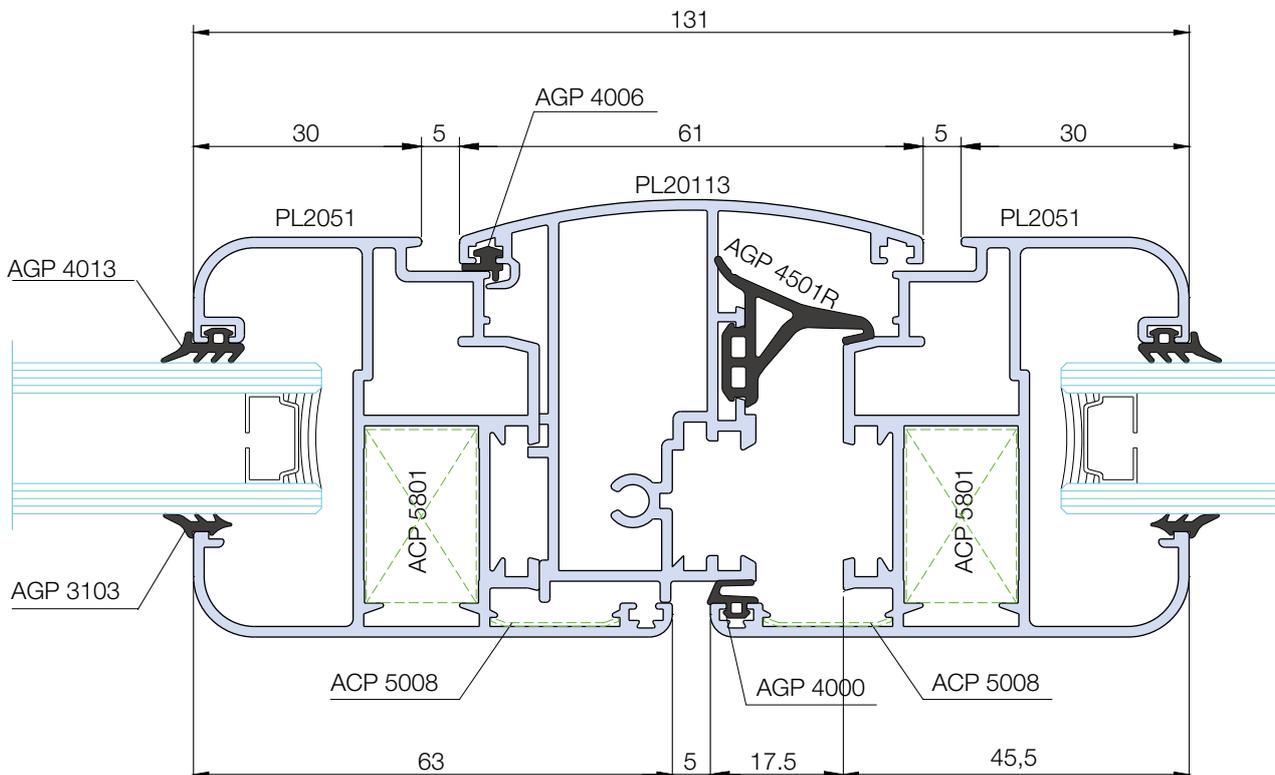
Inner opening - casement window - central section



## Nodo 29

Apertura interna - finestra a battente - nodo centrale

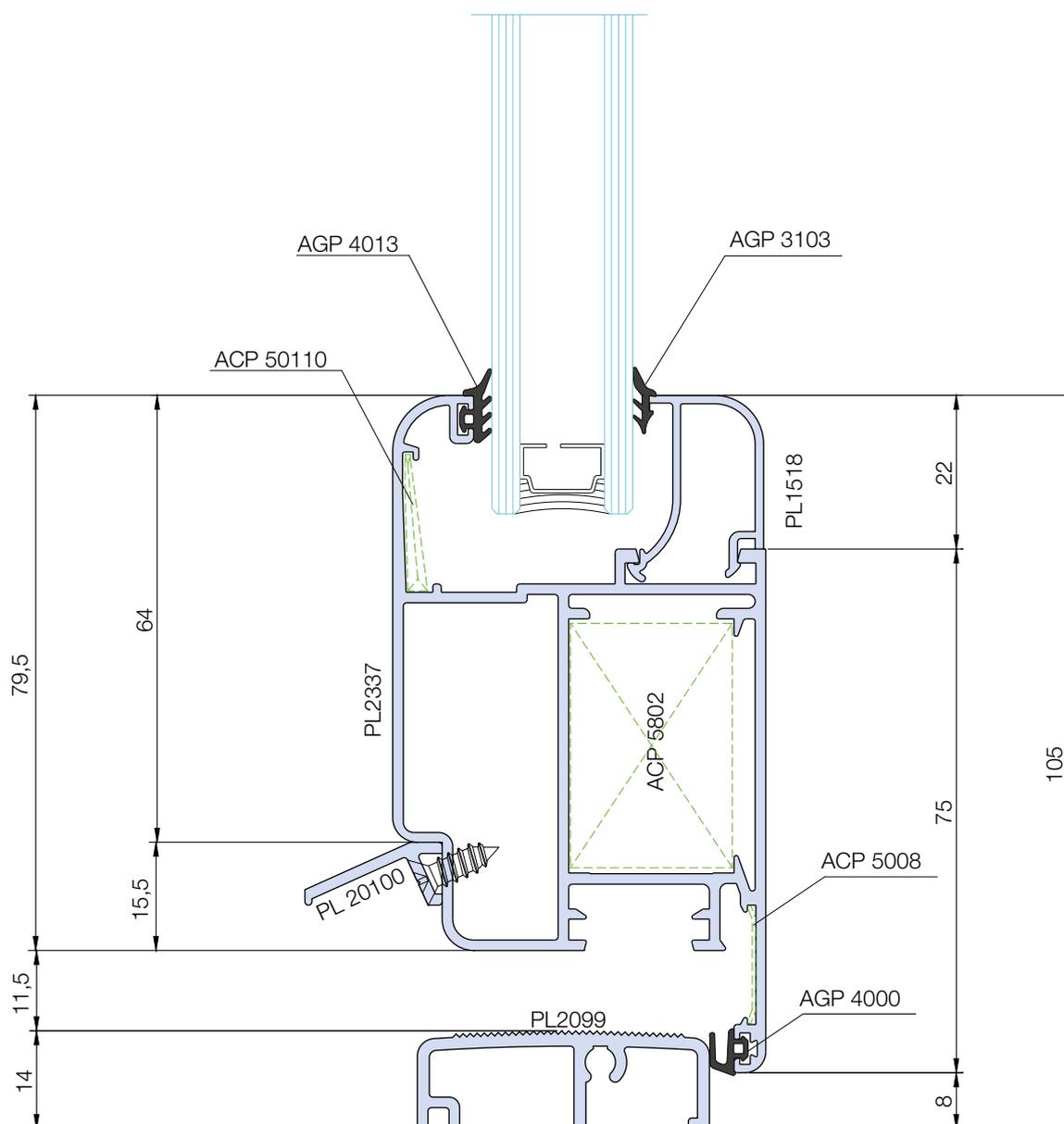
Inner opening - casement window - central section



## Nodo 30

Apertura interna - porta - nodo soglia calpestabile

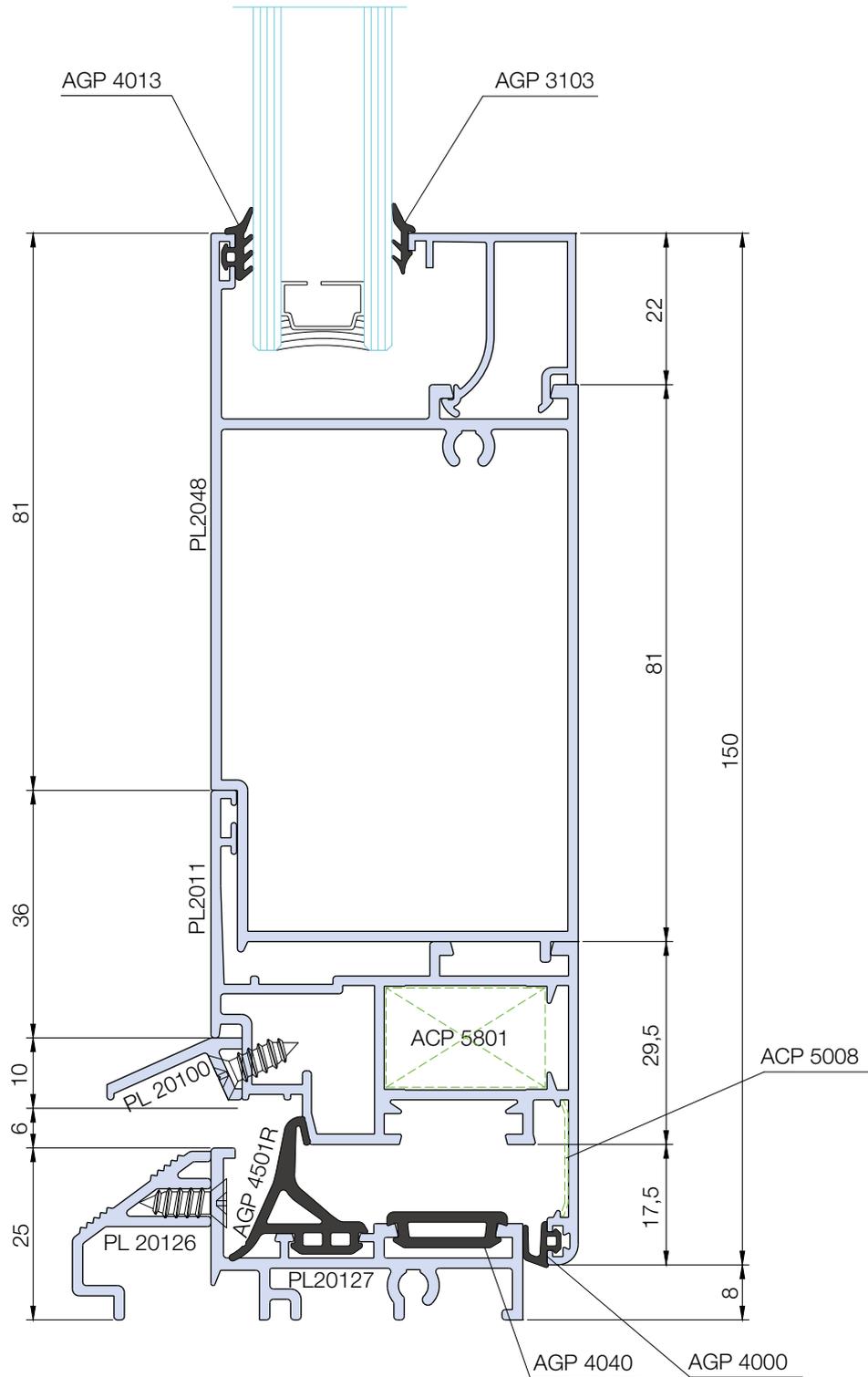
Inner opening - door - Threshold section



## Nodo 31

Apertura interna - finestra a battente - nodo soglia ribassata

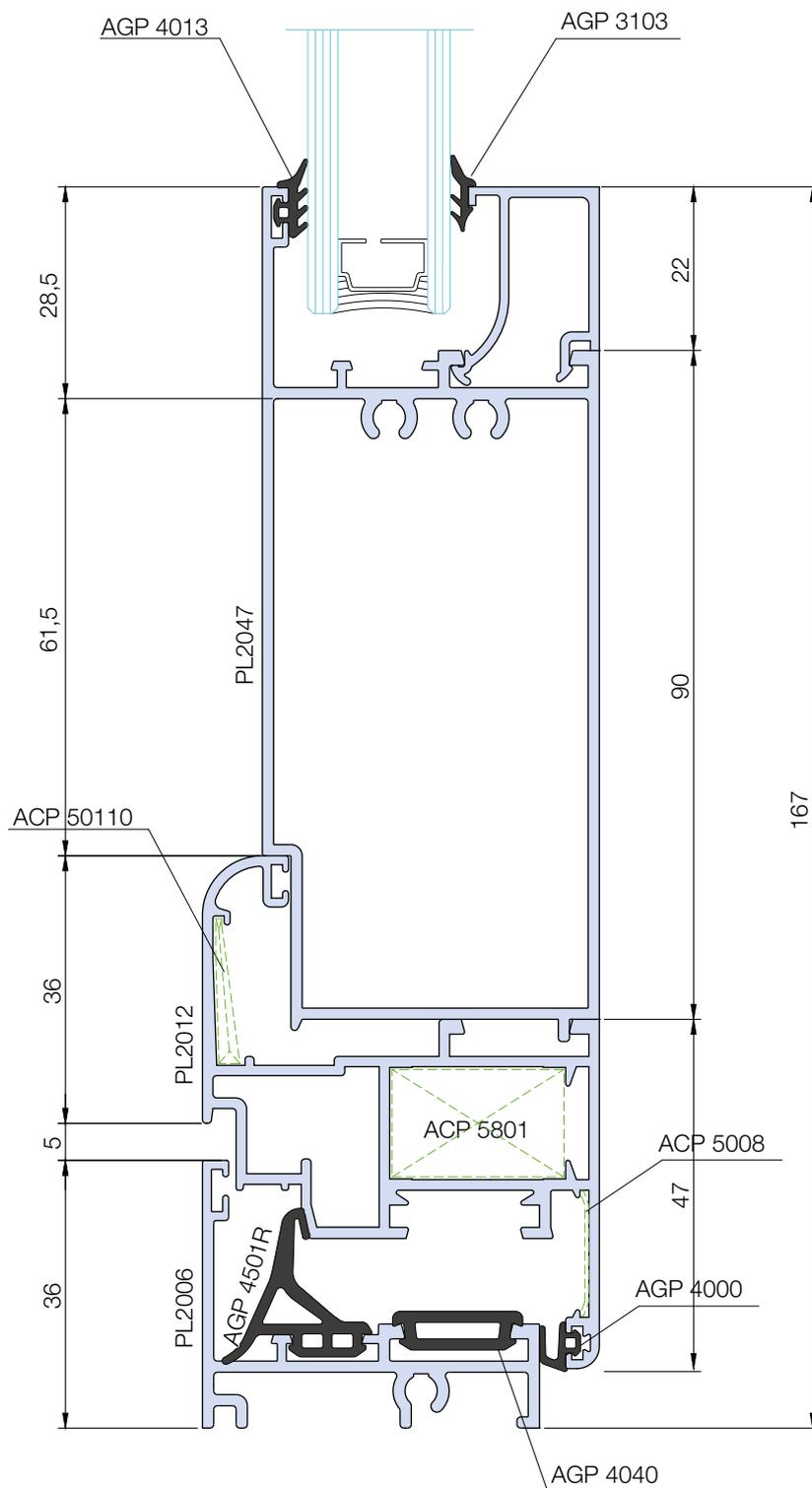
Inner opening - casement window - Lowered threshold section



## Nodo 32

### Apertura interna - finestra a battente - nodo soglia

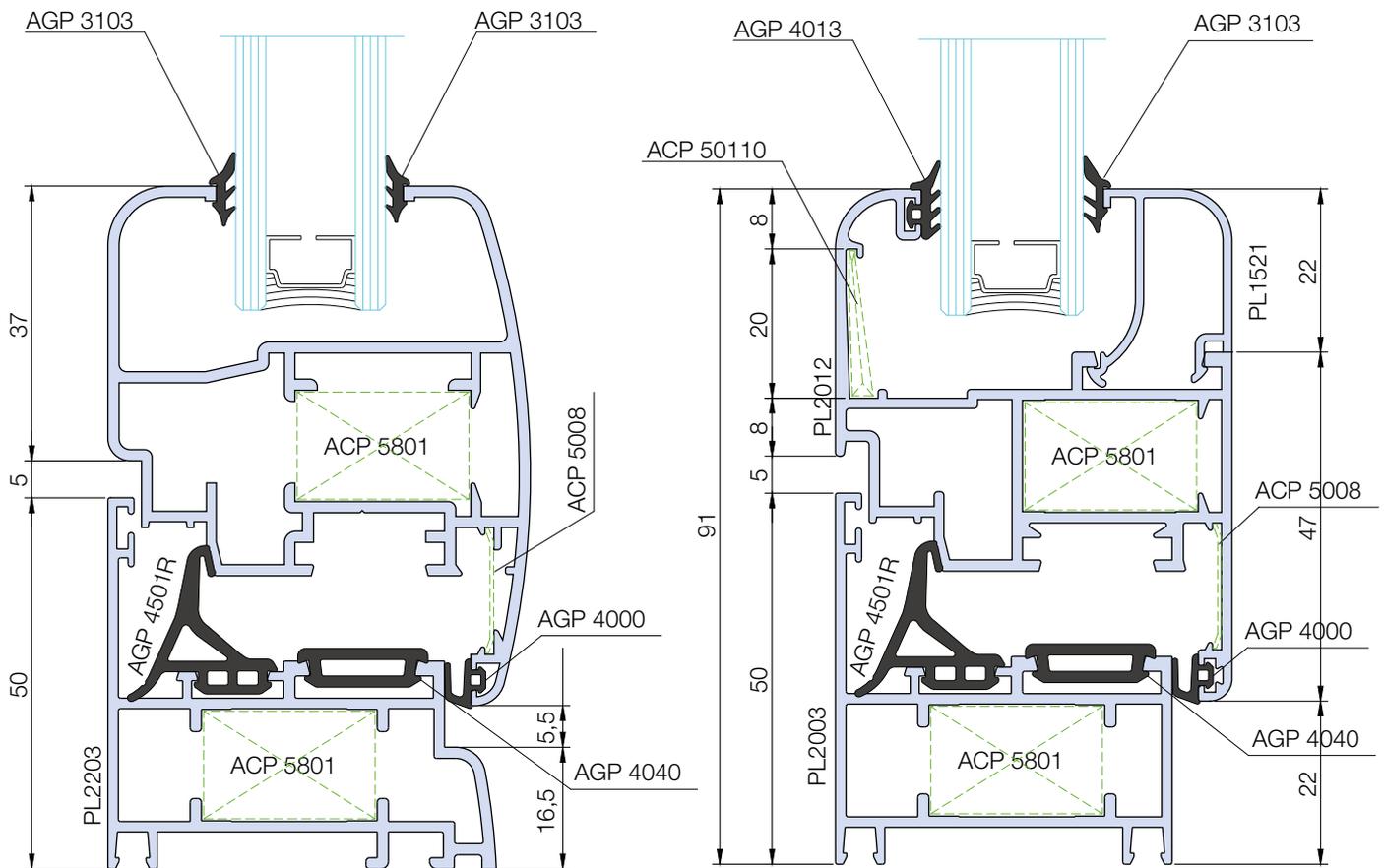
Inner opening - casement window - Threshold section



## Nodo 33

Apertura interna - finestra a battente - nodo davanzale

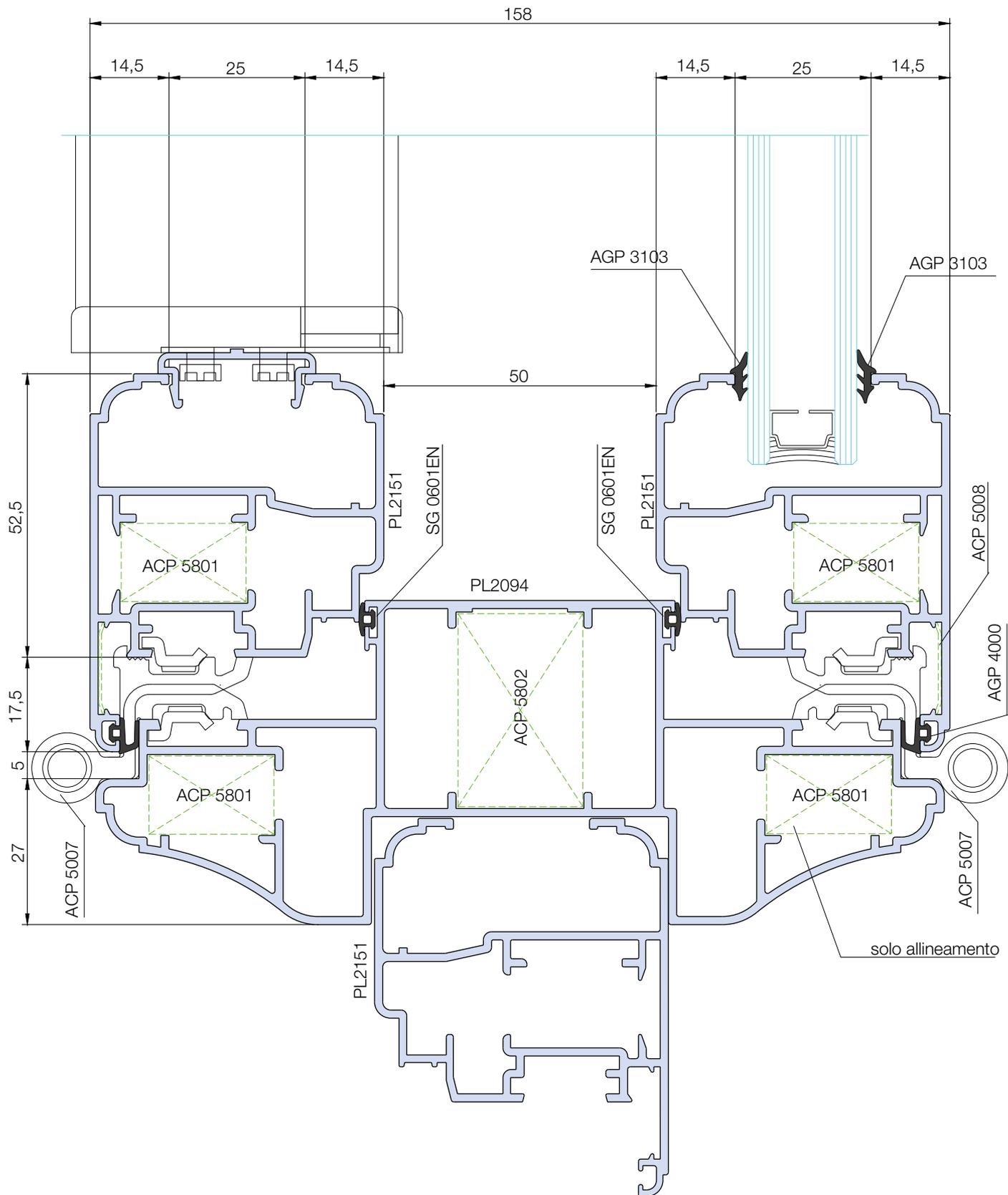
Inner opening - casement window - sill section



# Nodo 34

## Apertura scopello - finestra a battente con persiana

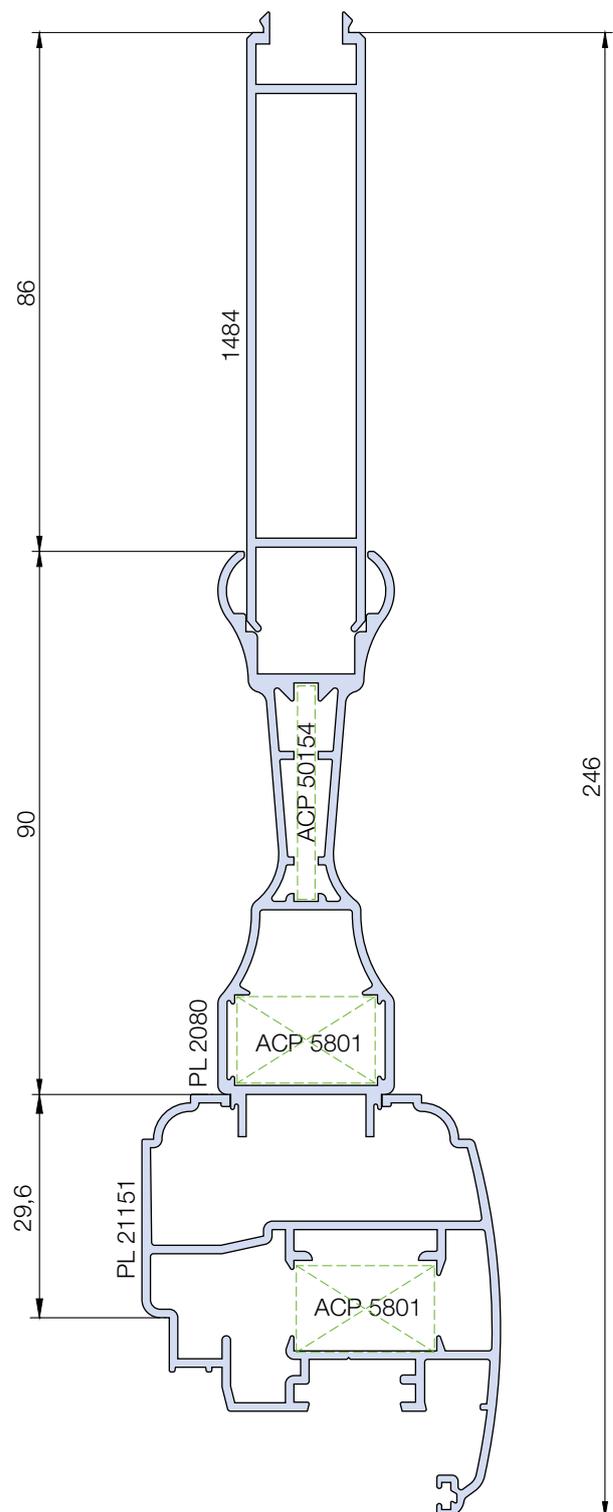
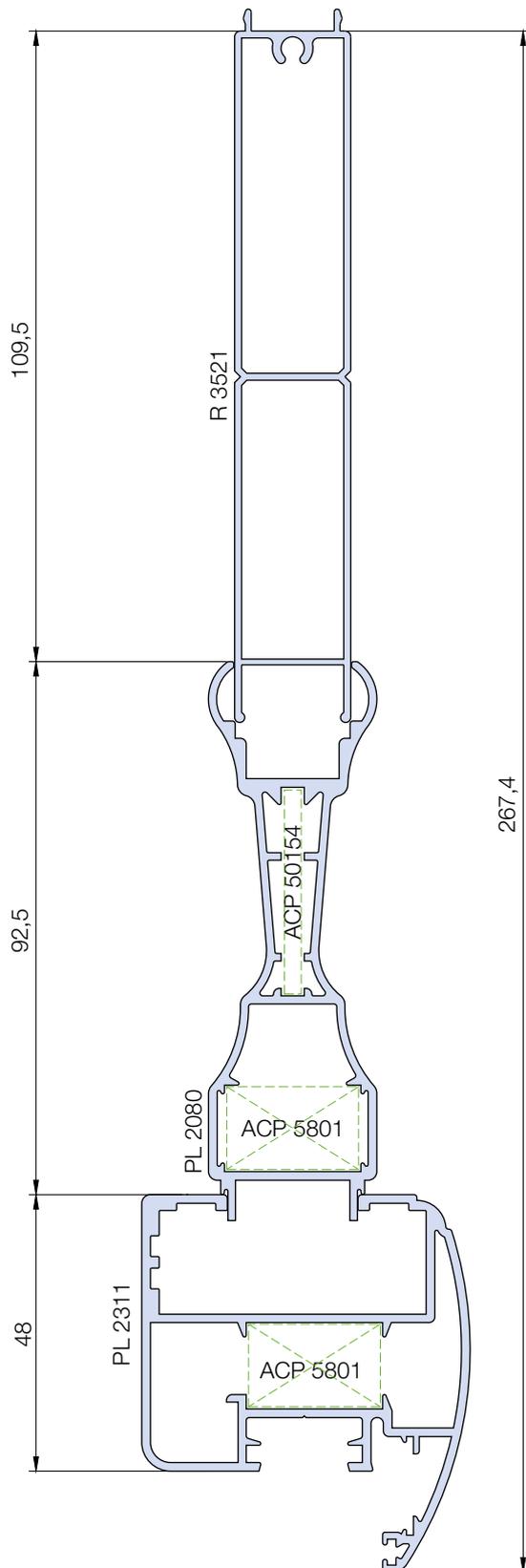
Scopello opening - casement window with blind



## Nodo 35

Doghe e profilo cornice

Slats and frame profile

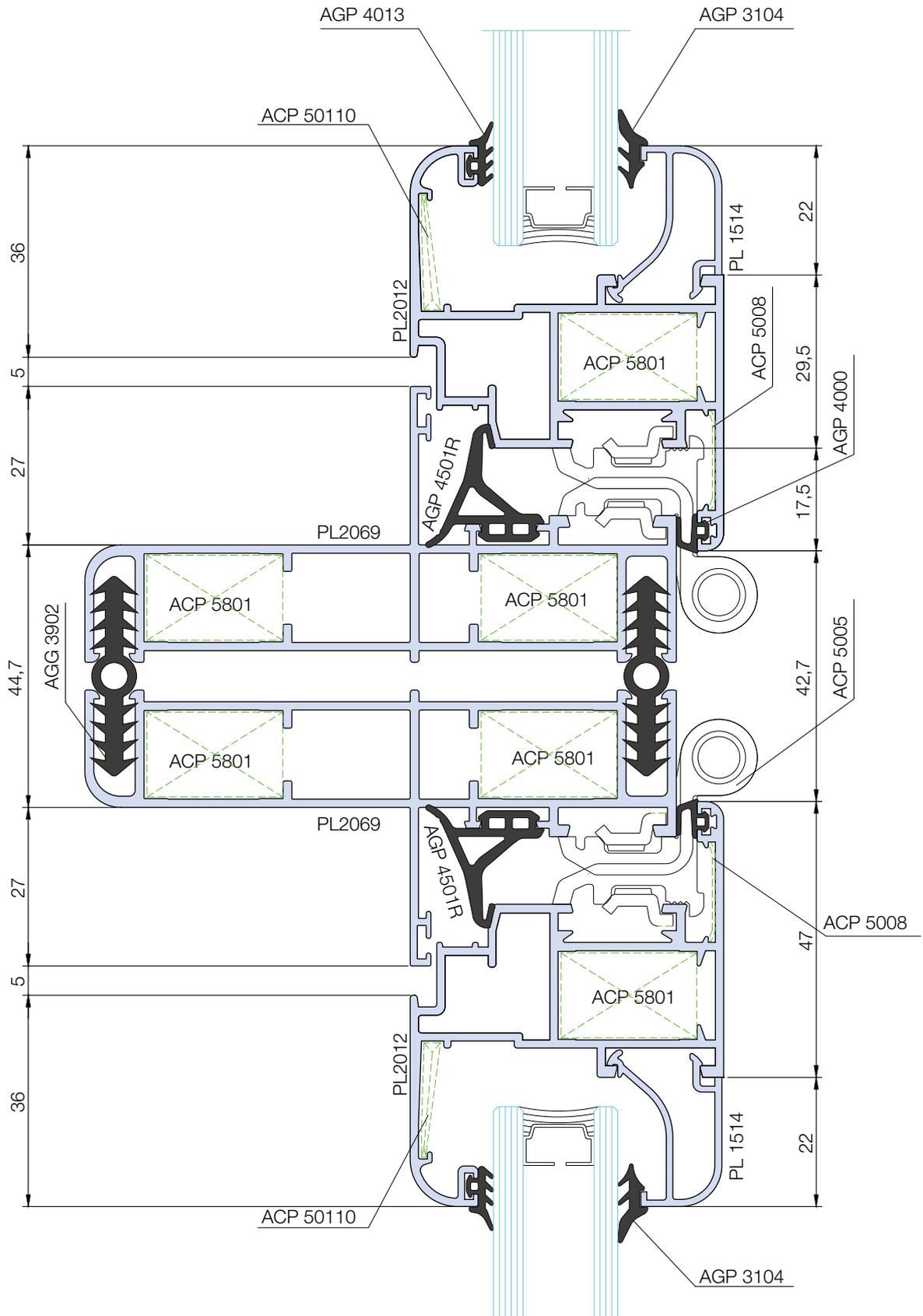


Il profilo PL 2080 può essere abbinato ad ante vetro infilare cava 25-22,5mm e può ricevere doghe di 19,5-20mm.

# Nodo 36

## Finestra a nastro - giunto di dilatazione

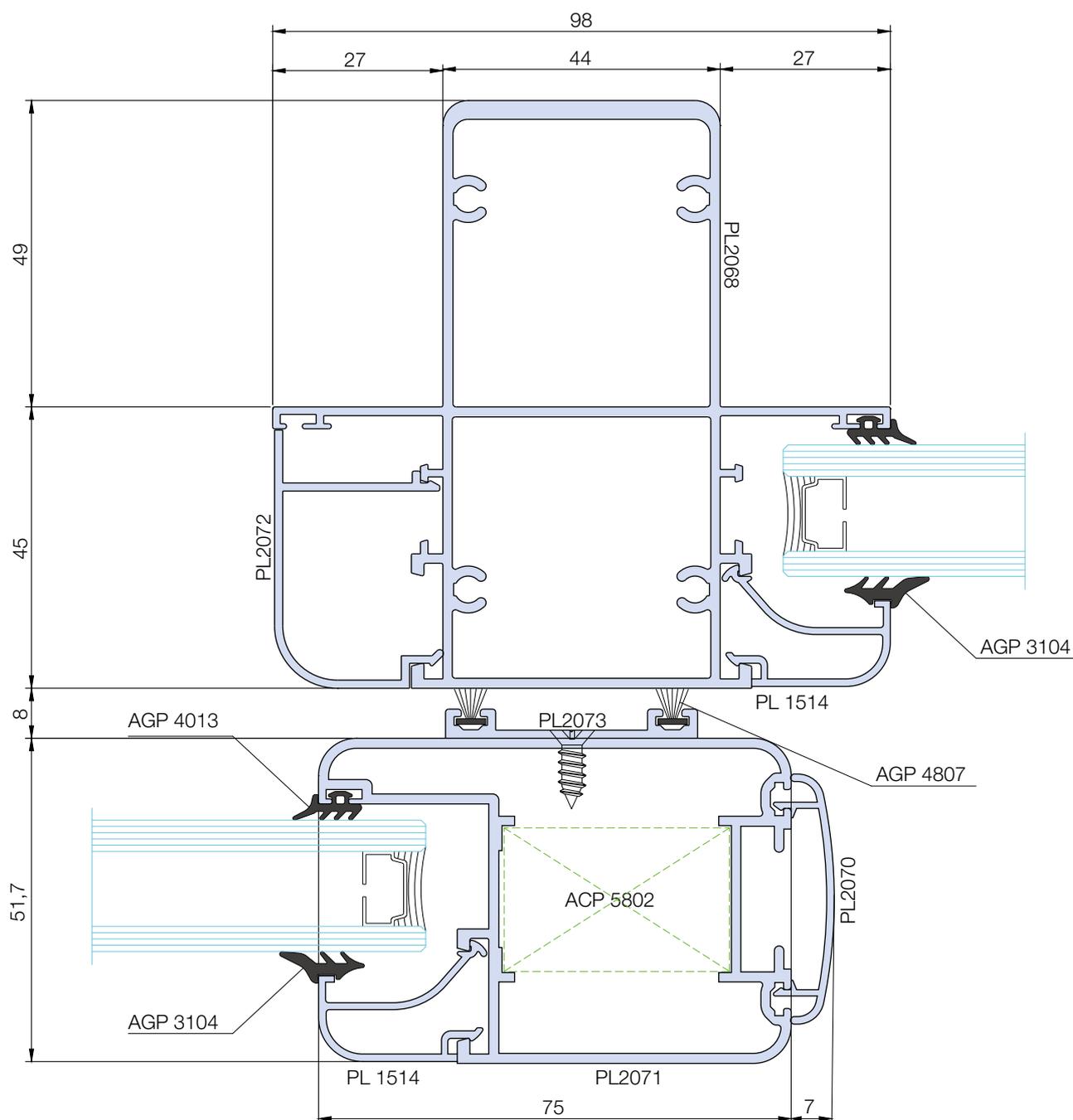
Ribbon window - expansion joint



## Nodo 37

Porta scorrevole automatica - nodo laterale

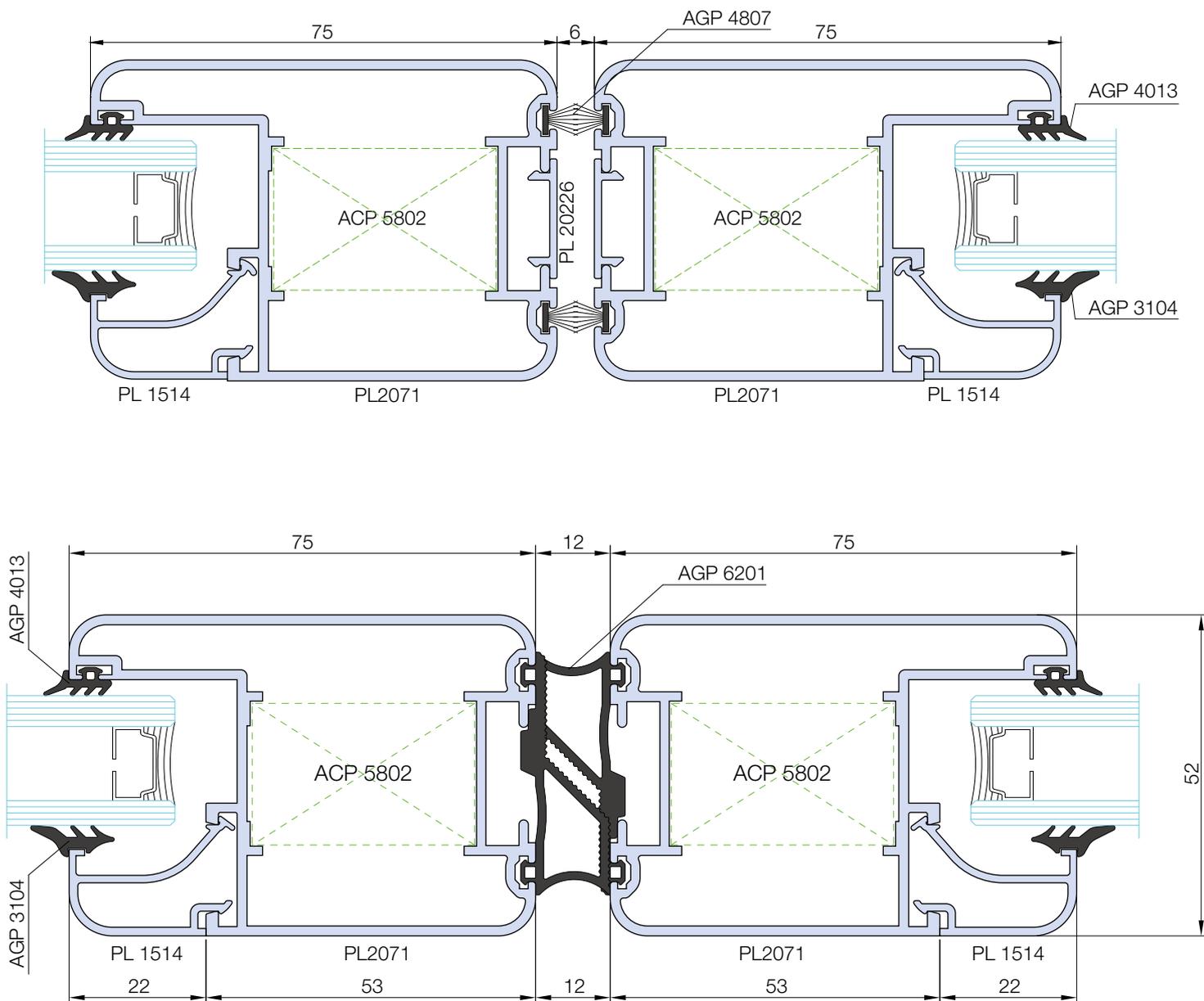
Automatic sliding door - lateral section



# Nodo 38

## Porta scorrevole automatica - nodo centrale

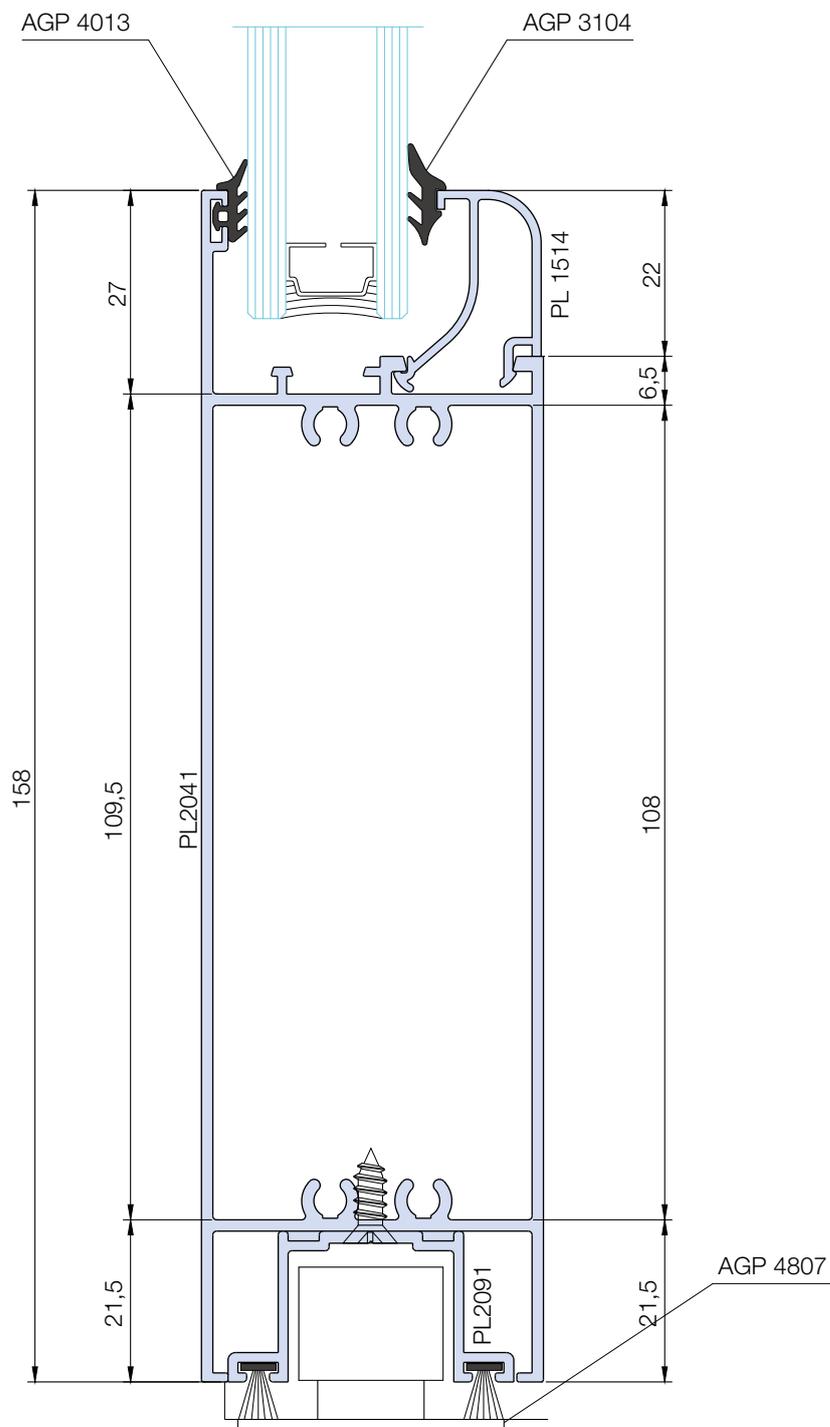
Automatic sliding door - central section



## Nodo 39

Porta scorrevole automatica - nodo soglia

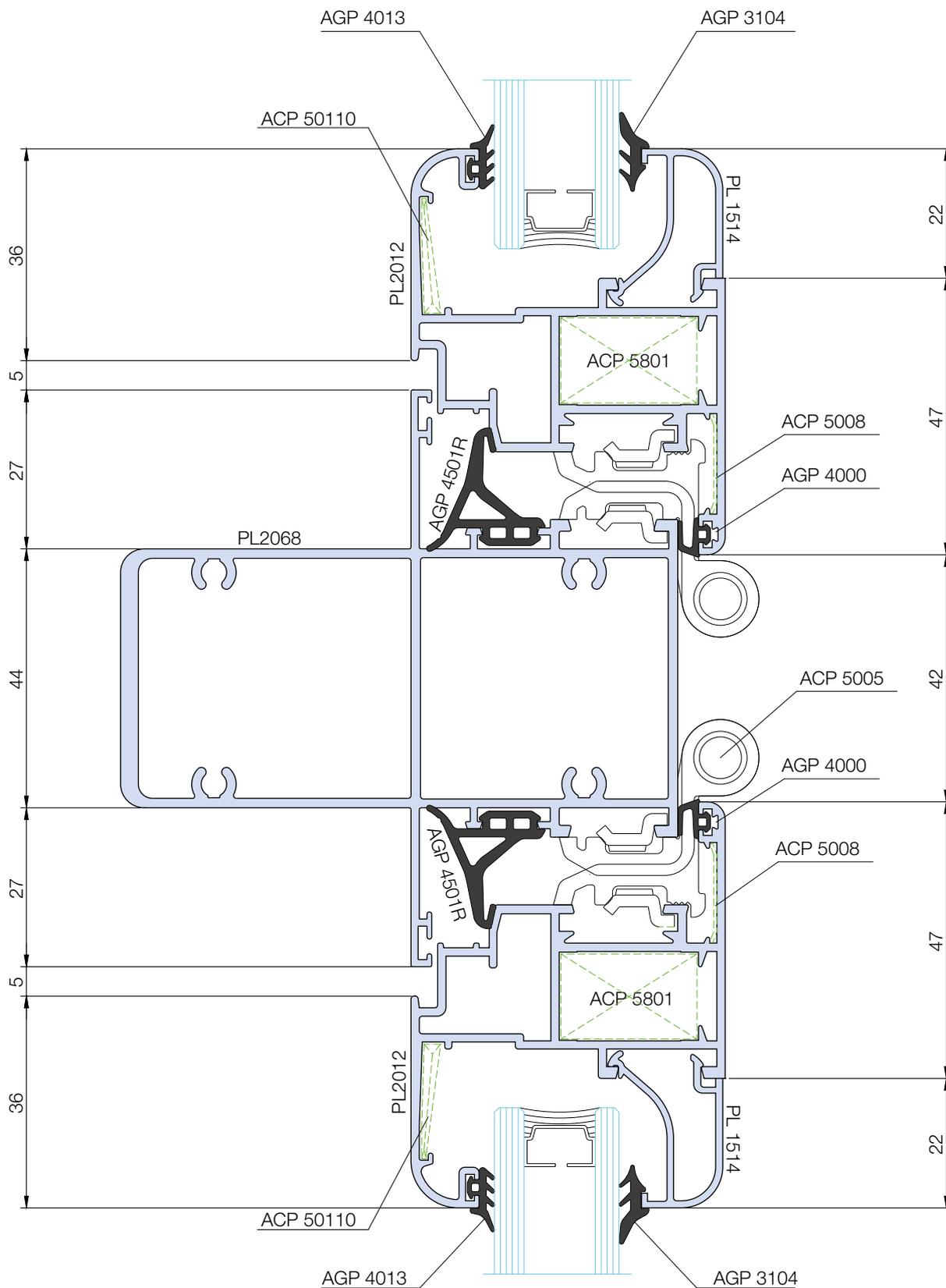
Automatic sliding door - threshold section



# Nodo 40

## Finestra a nastro - pilastro con due apribili

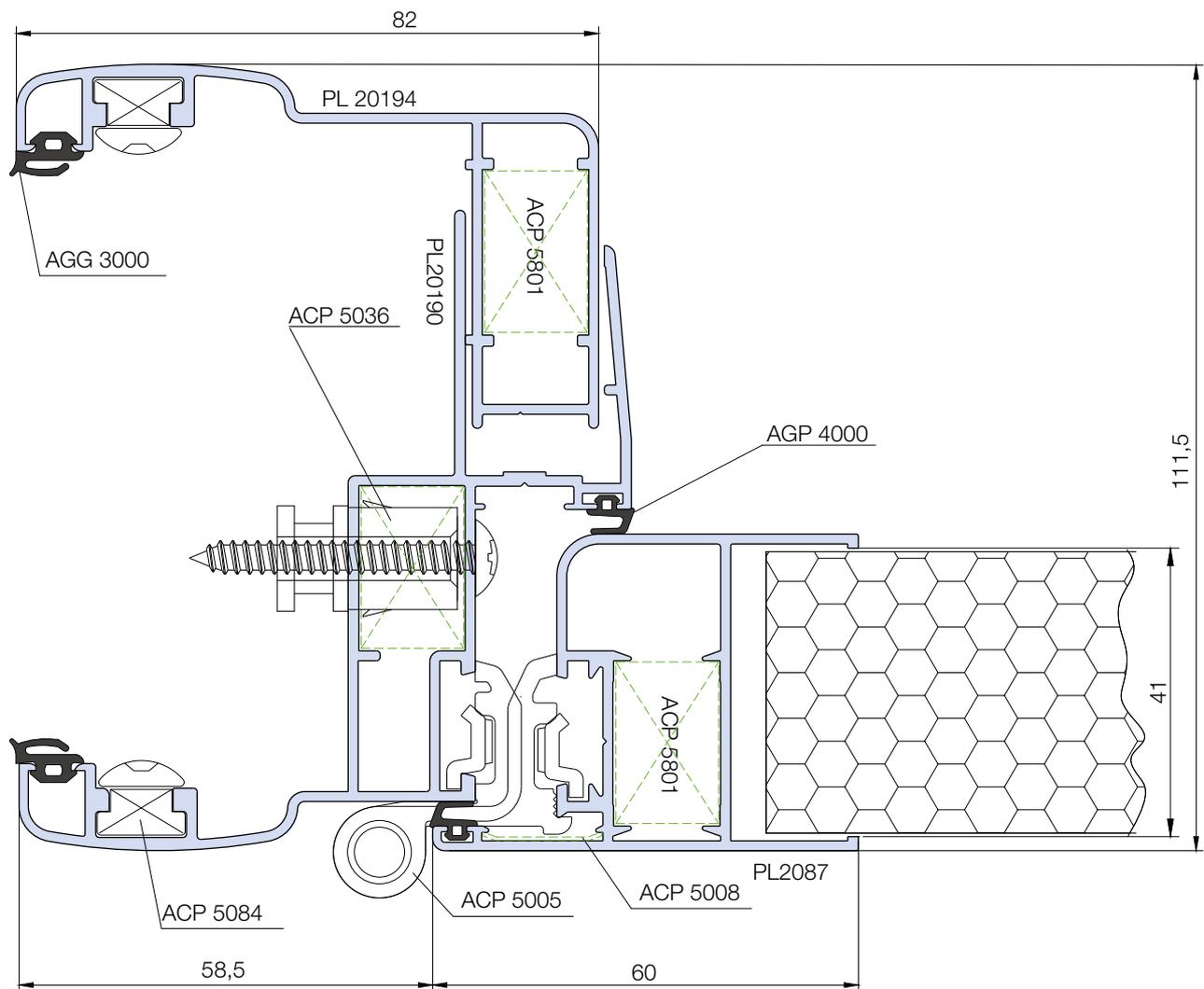
Ribbon window - expansion joint



## Nodo 41

Porta interna - nodo laterale

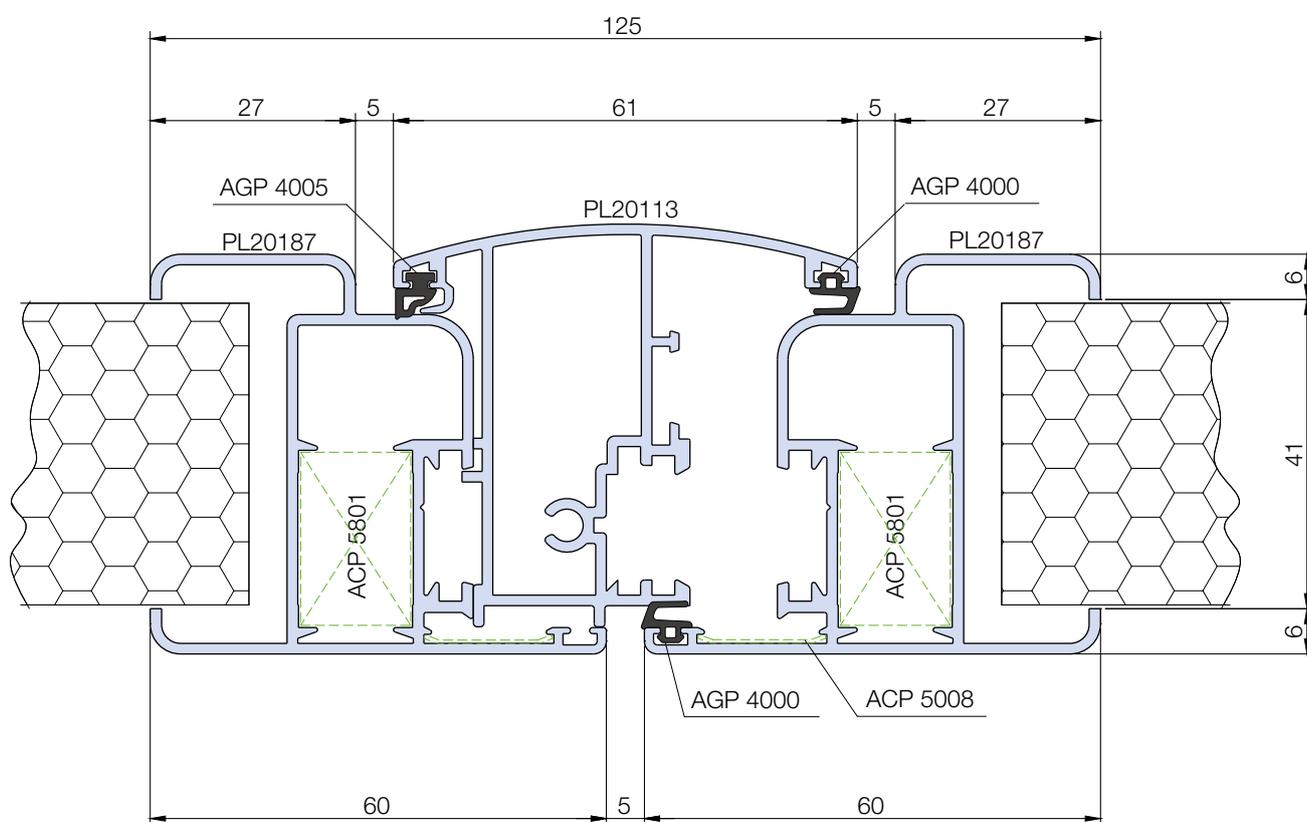
Interior door - lateral section



## Nodo 42

### Porta interna - nodo centrale

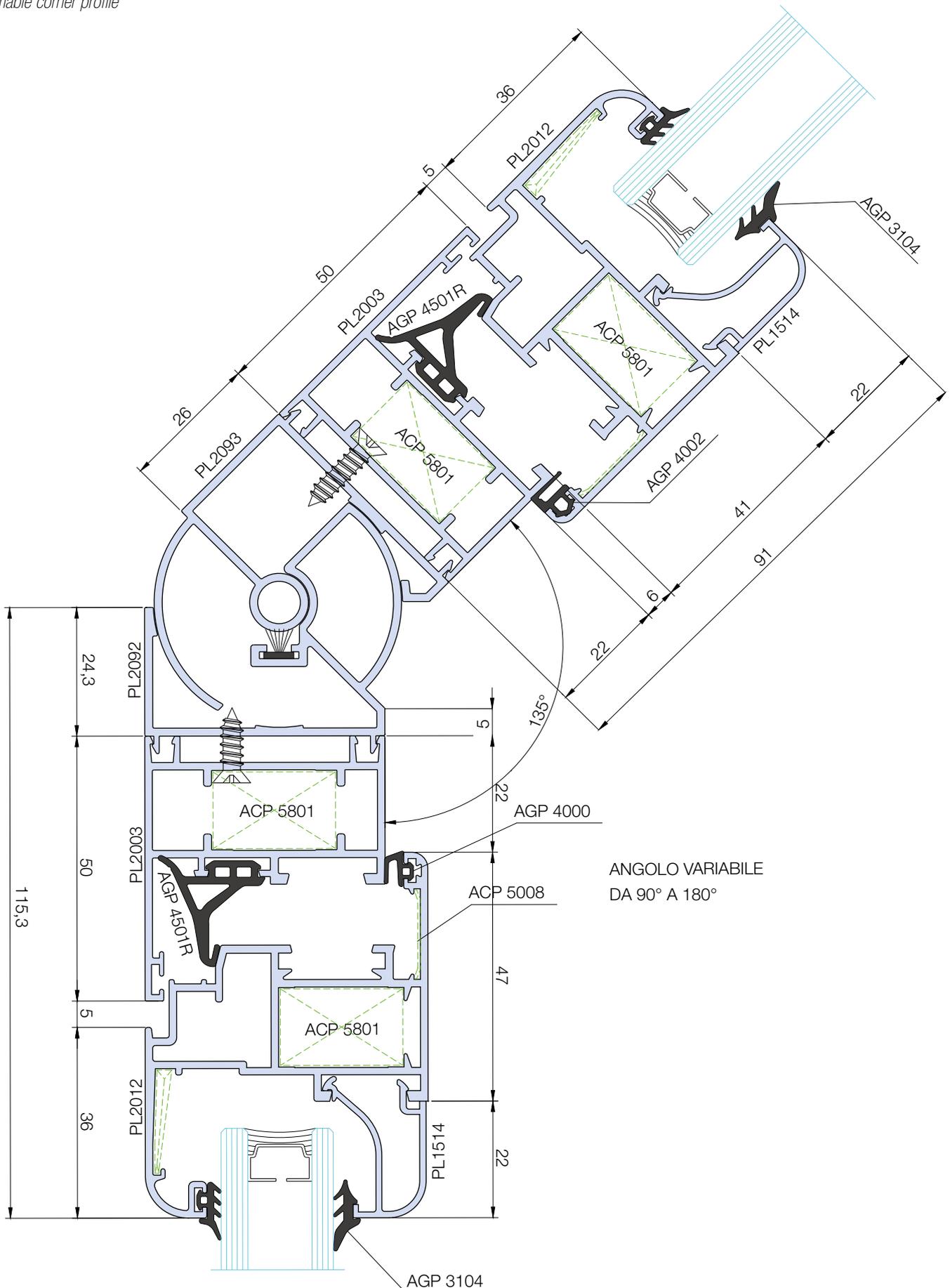
Interior door - central section



## Nodo 43

### Profilo angolo variabile

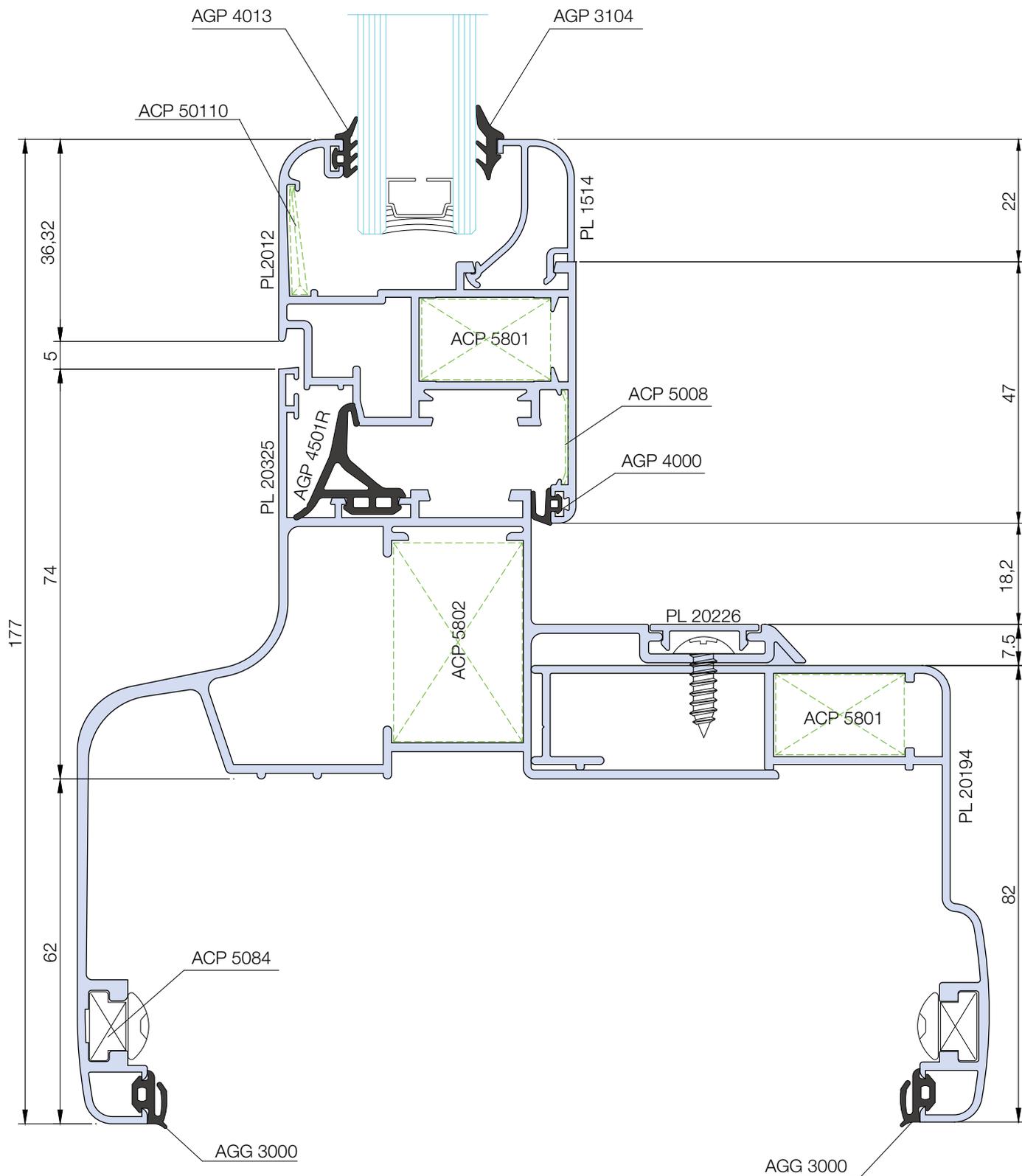
Variable corner profile



# Nodo 44

## Telaio capannoni con imbotte - nodo perimetrale

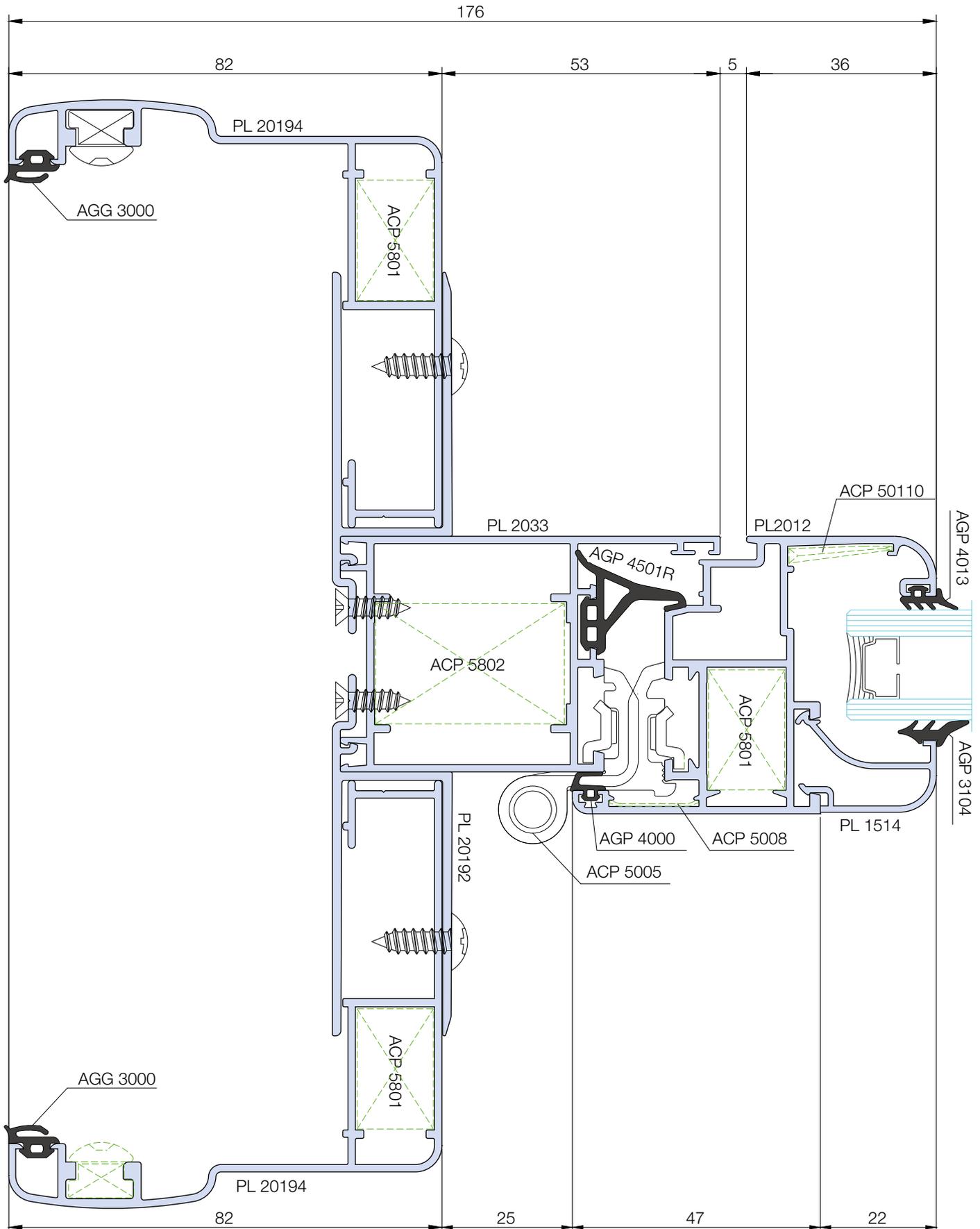
Industrial shed with double wall profile - perimetral section



## Nodo 45

Telaio porta imbotti - nodo perimetrale

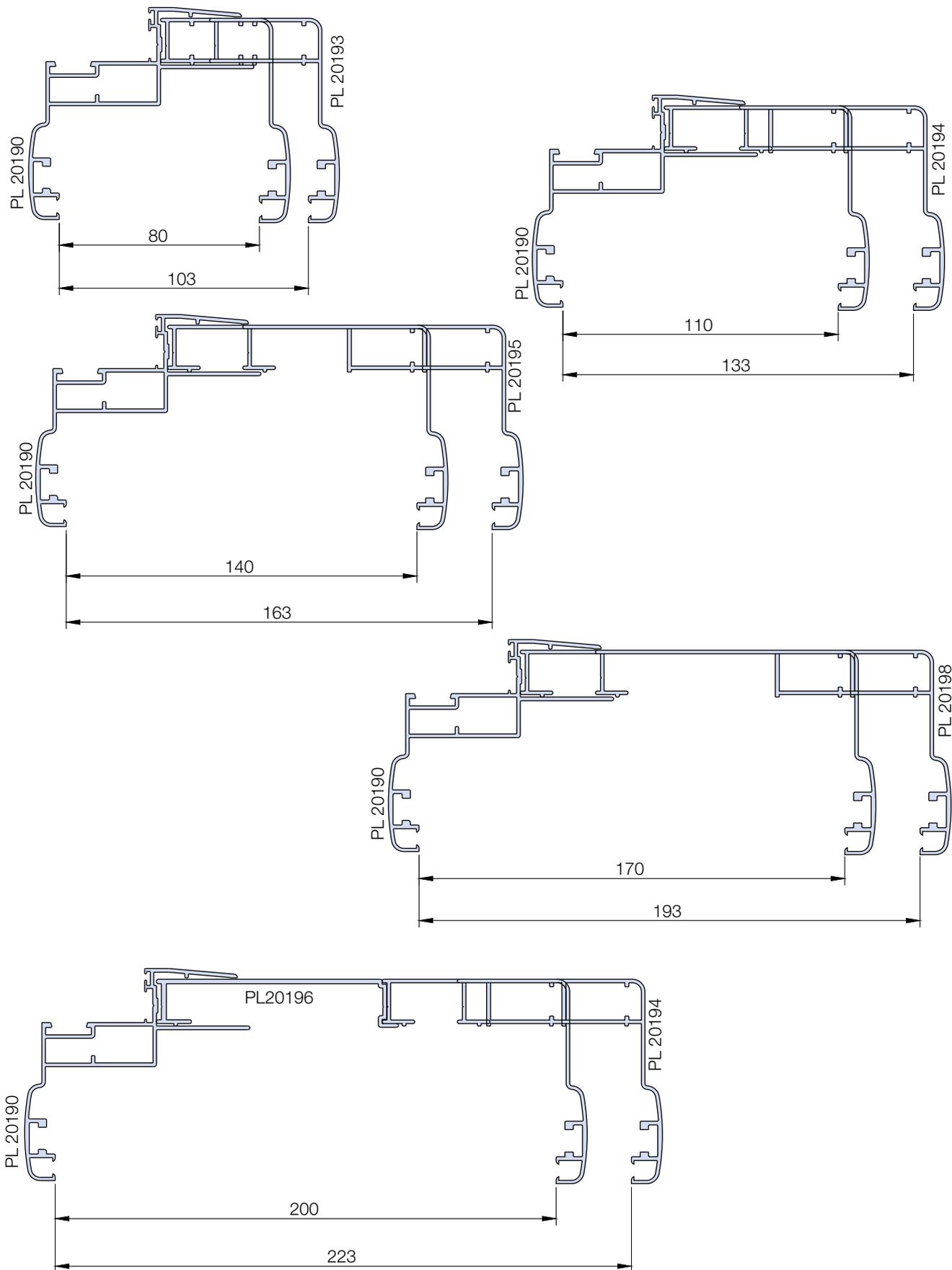
Industrial shed with double wall profile - perimetral section



# Nodo 46

## Imbotite porte interne - range d'applicazione

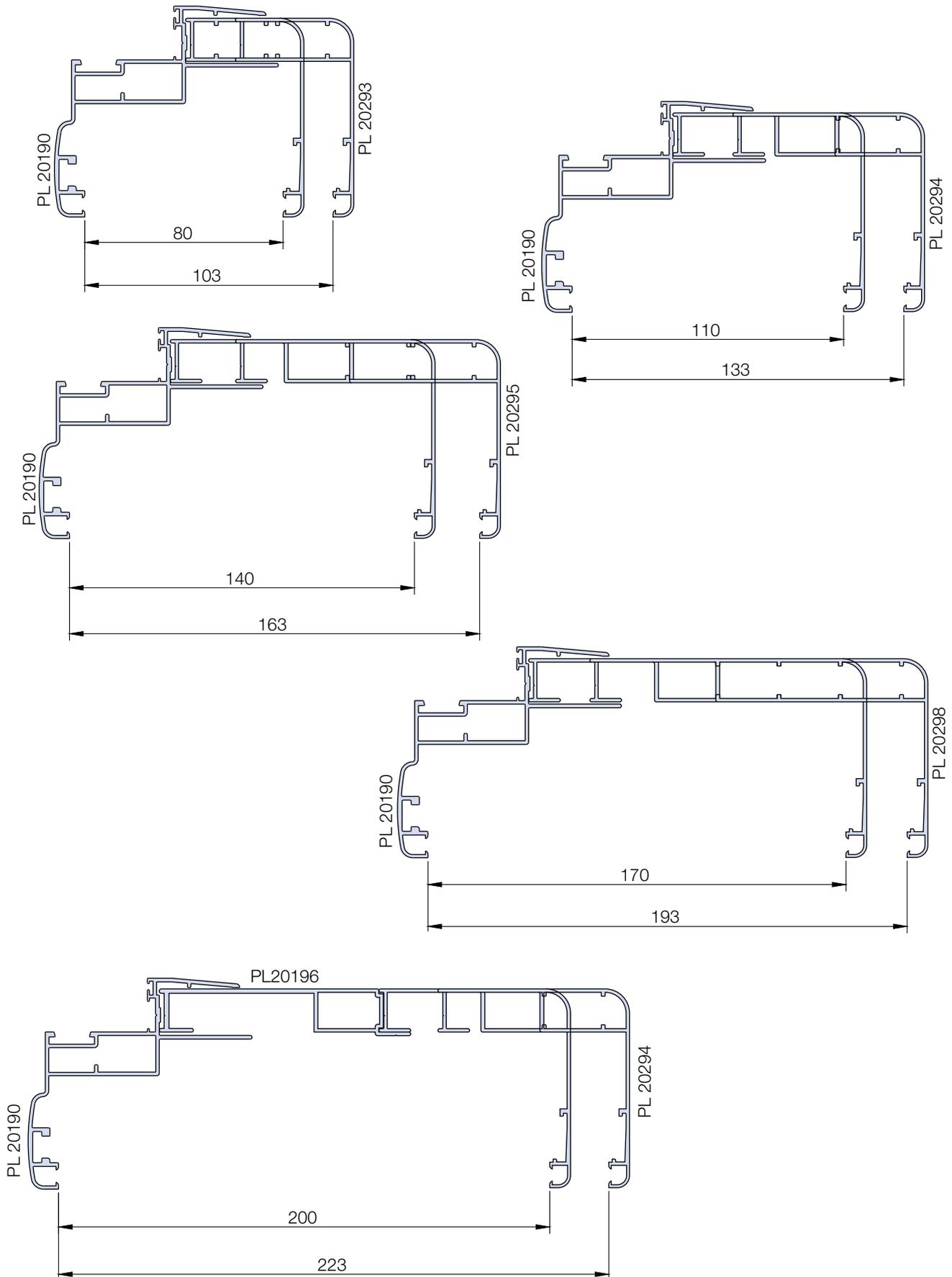
Industrial shed with double wall profile - wall range



## Nodo 47

### Imbotite porte interne - range d'applicazione

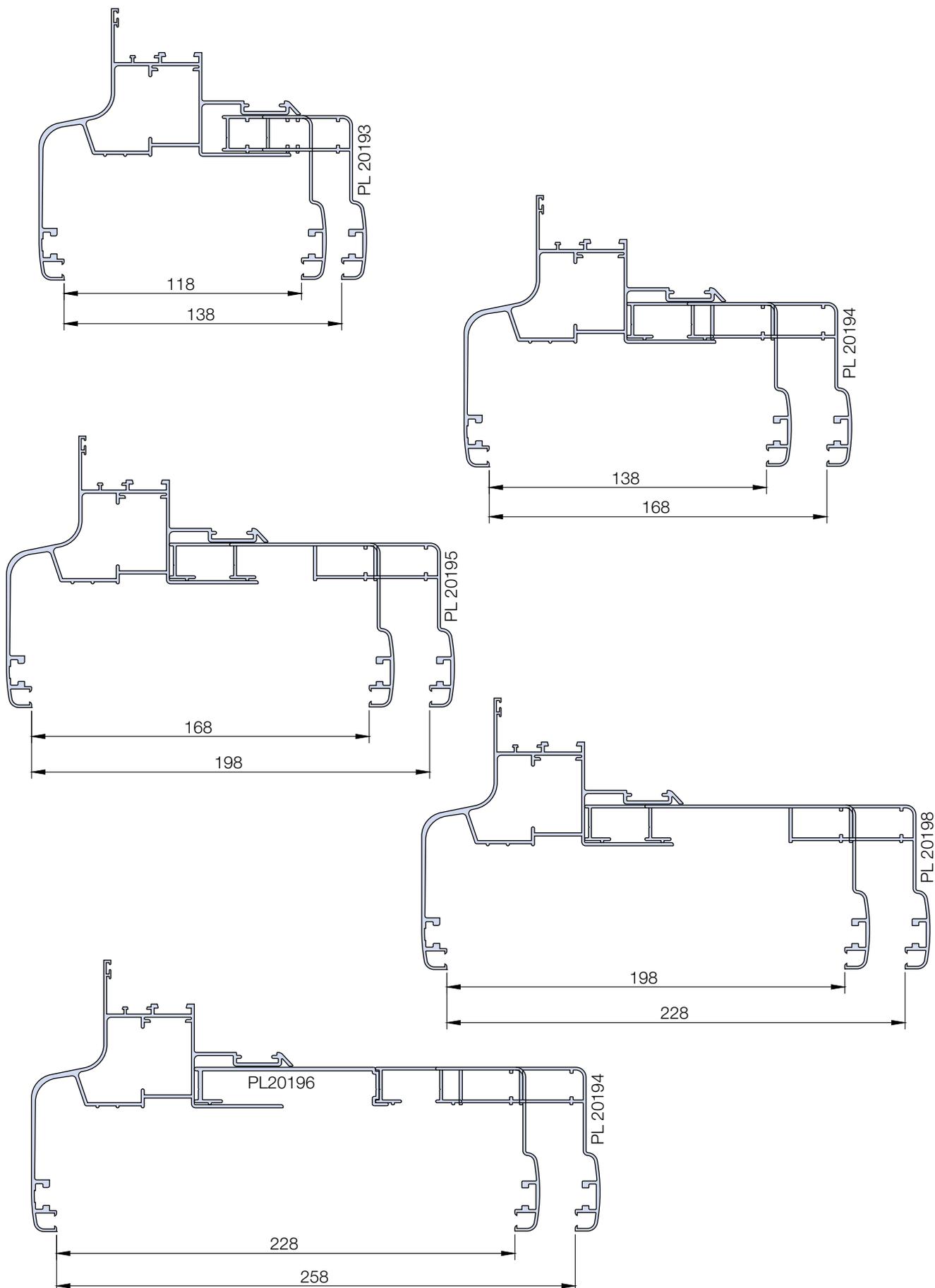
Industrial shed with double wall profile - wall range



# Nodo 48

## Imbotte porte interne - range d'applicazione

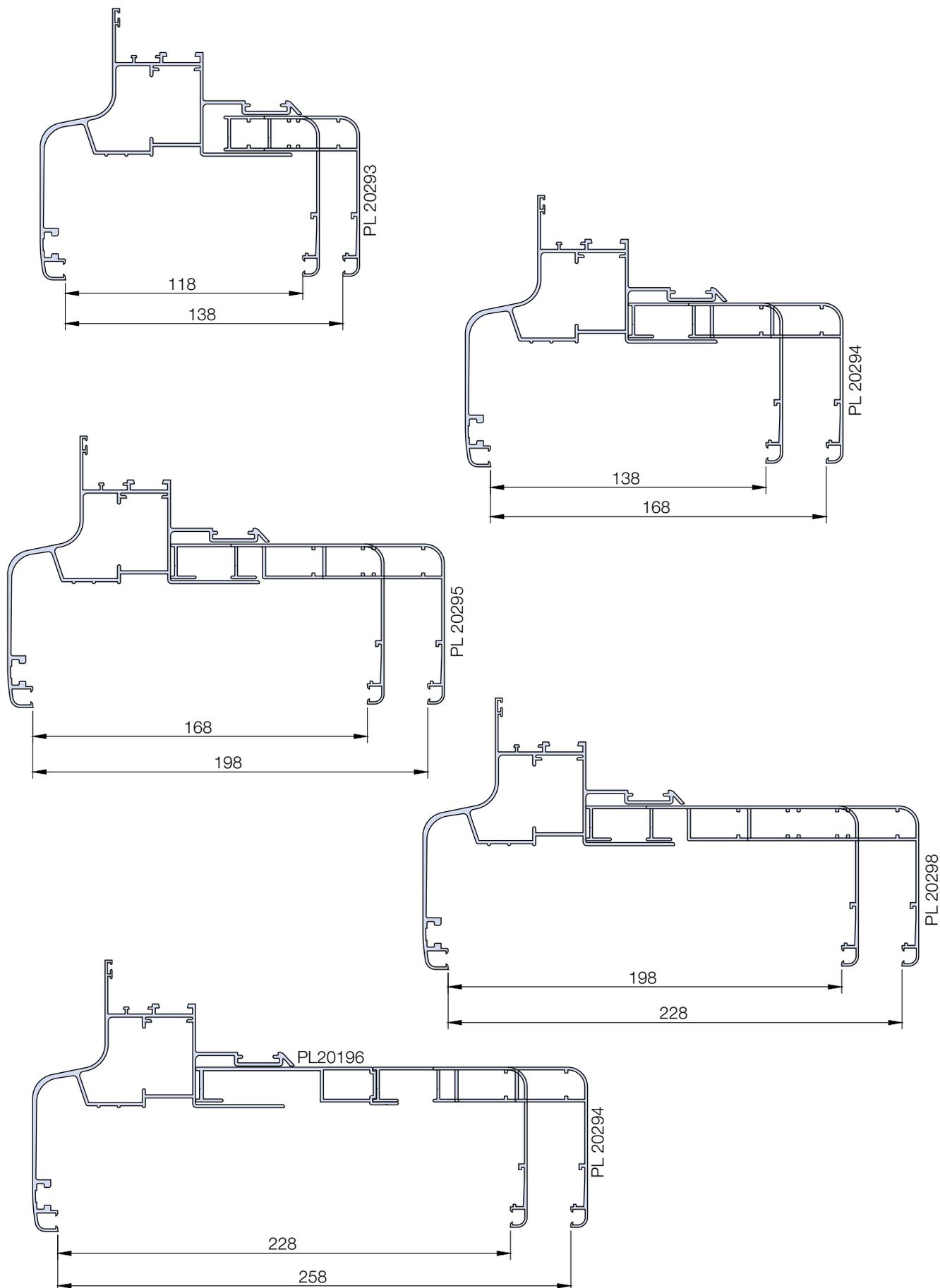
Industrial shed with double wall profile - wall range



## Nodo 49

Imbotte porte interne - range d'applicazione

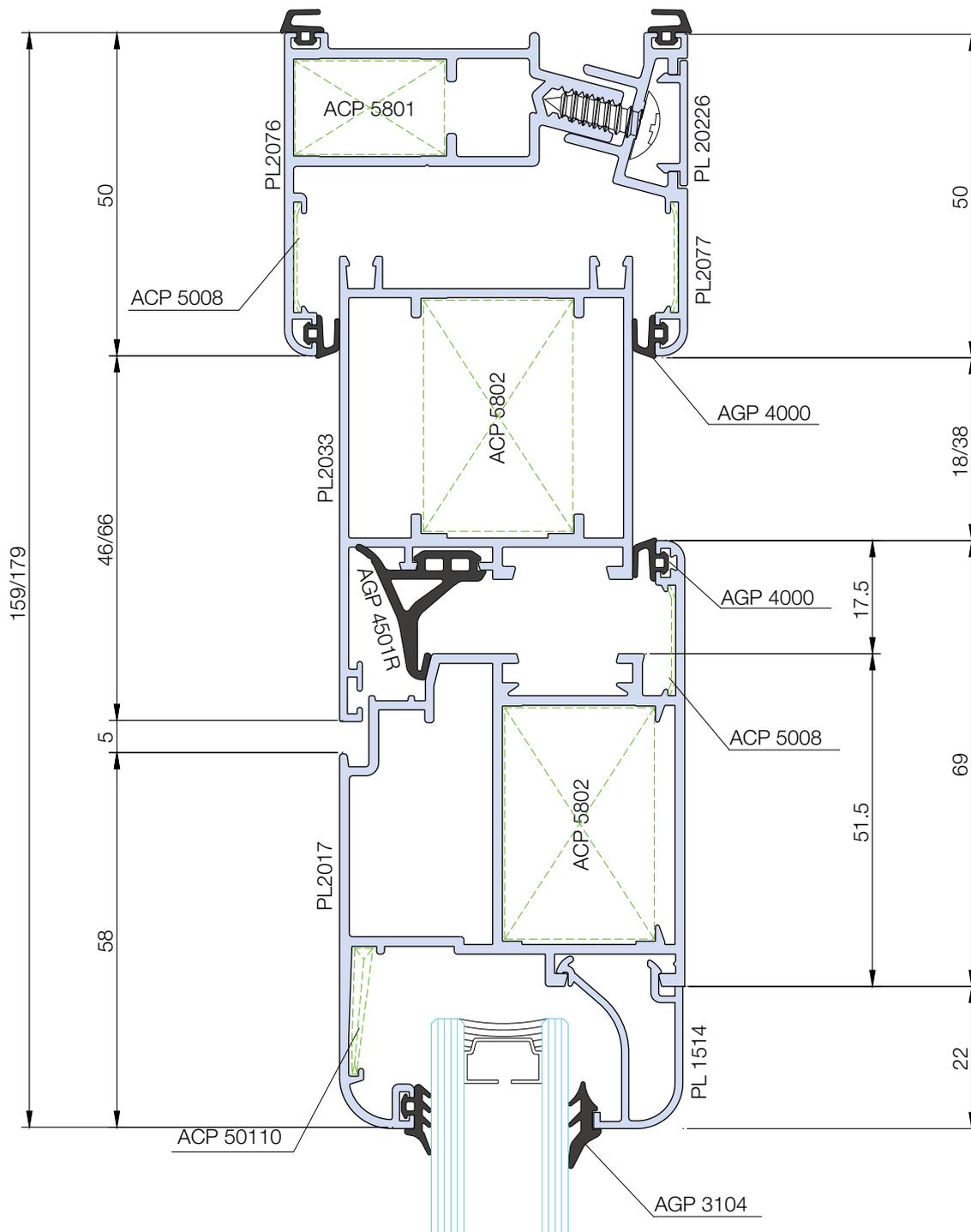
*Industrial shed with double wall profile - wall range*



# Nodo 50

Finestra a nastro - nodo superiore

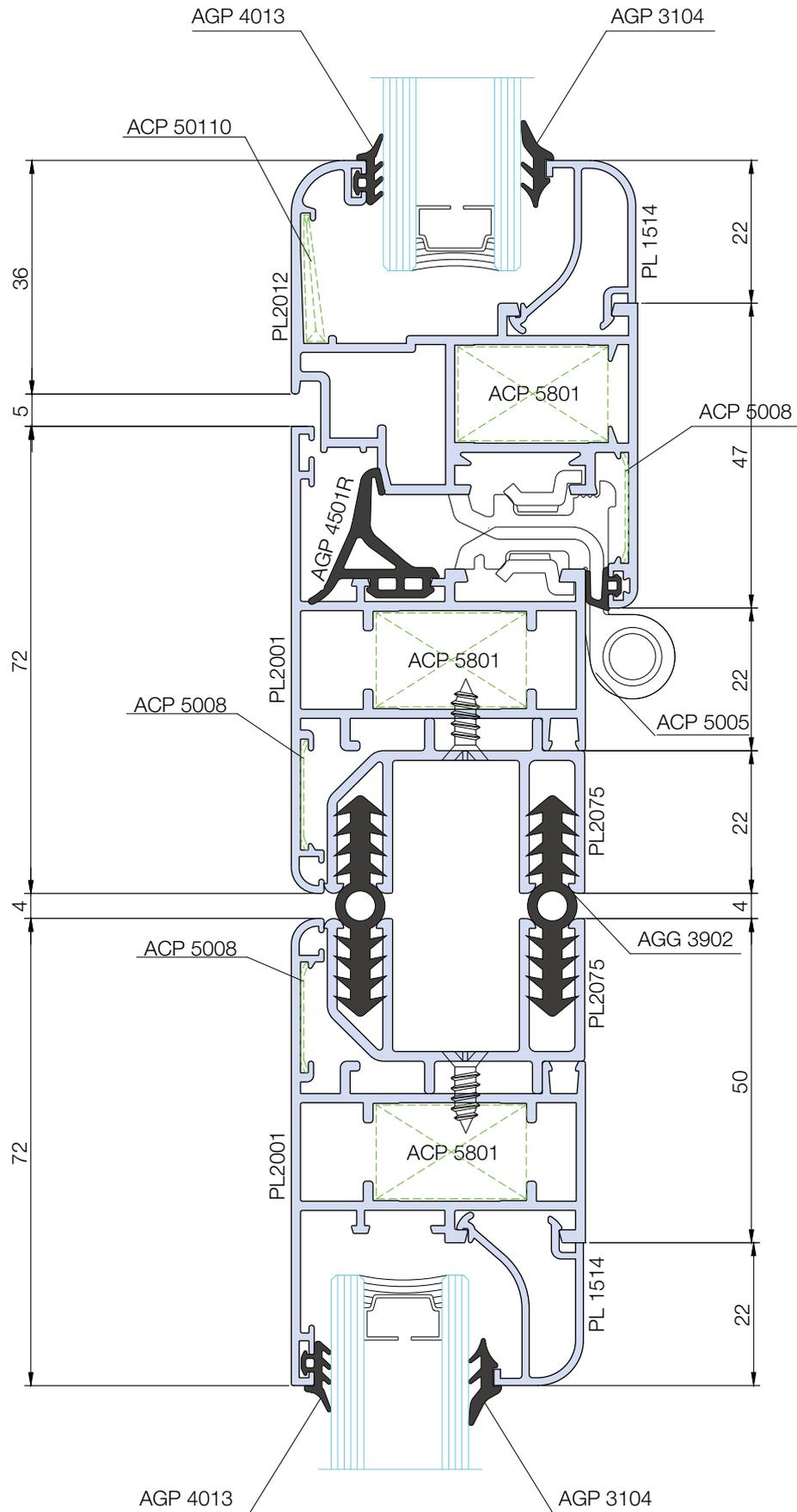
Ribbon window - top node



## Nodo 51

Finestra a nastro - giunto di dilatazione

Ribbon window - expansion joint

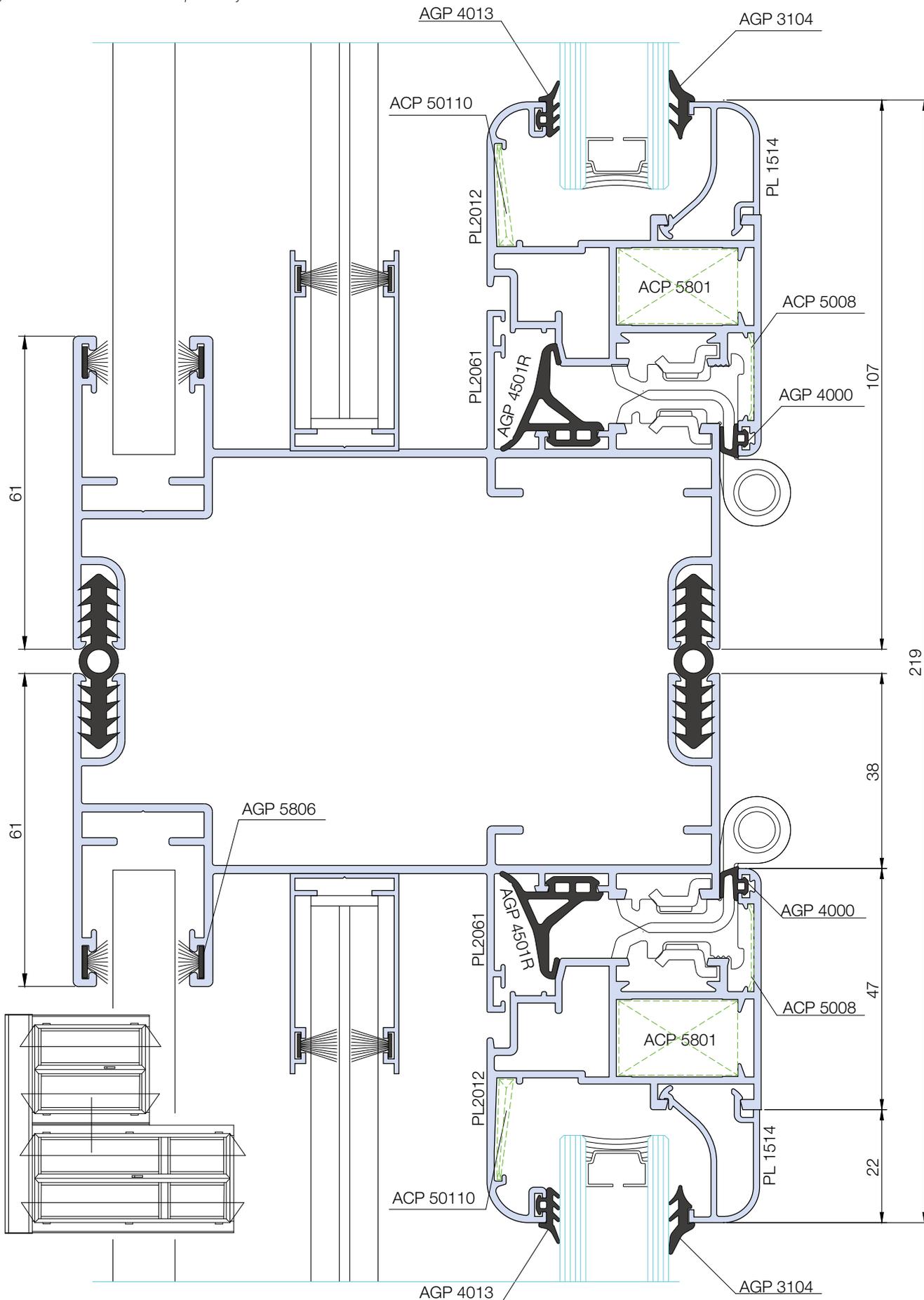


# Nodo 52

Finestra monoblocco a bandiera - giunto di dilatazione

Single unit casement window - expansion joint

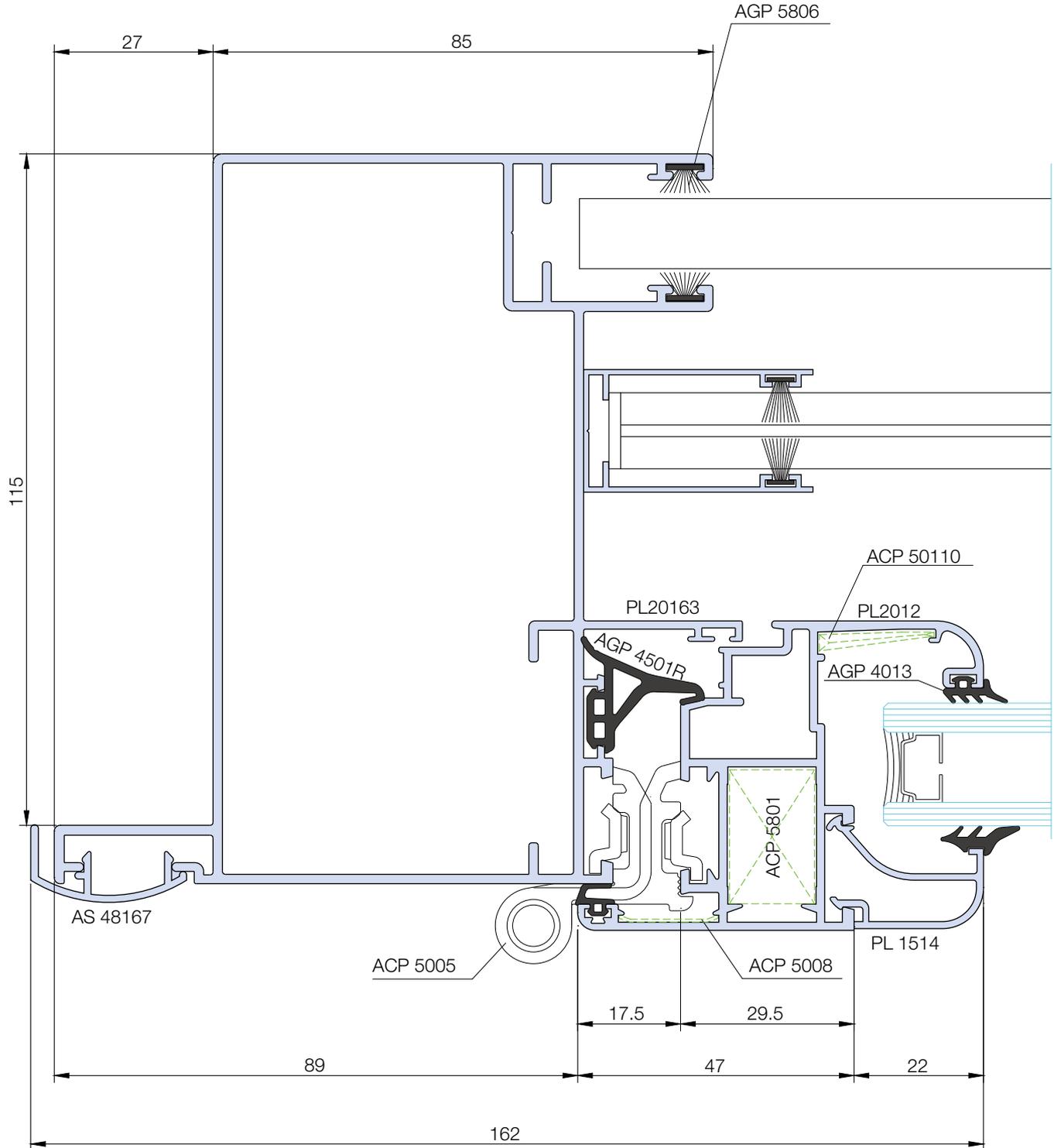
**ATTENZIONE  
NODO FUORI SCALA**



## Nodo 53

Monoblocco chiuso con zanzariera - nodo laterale

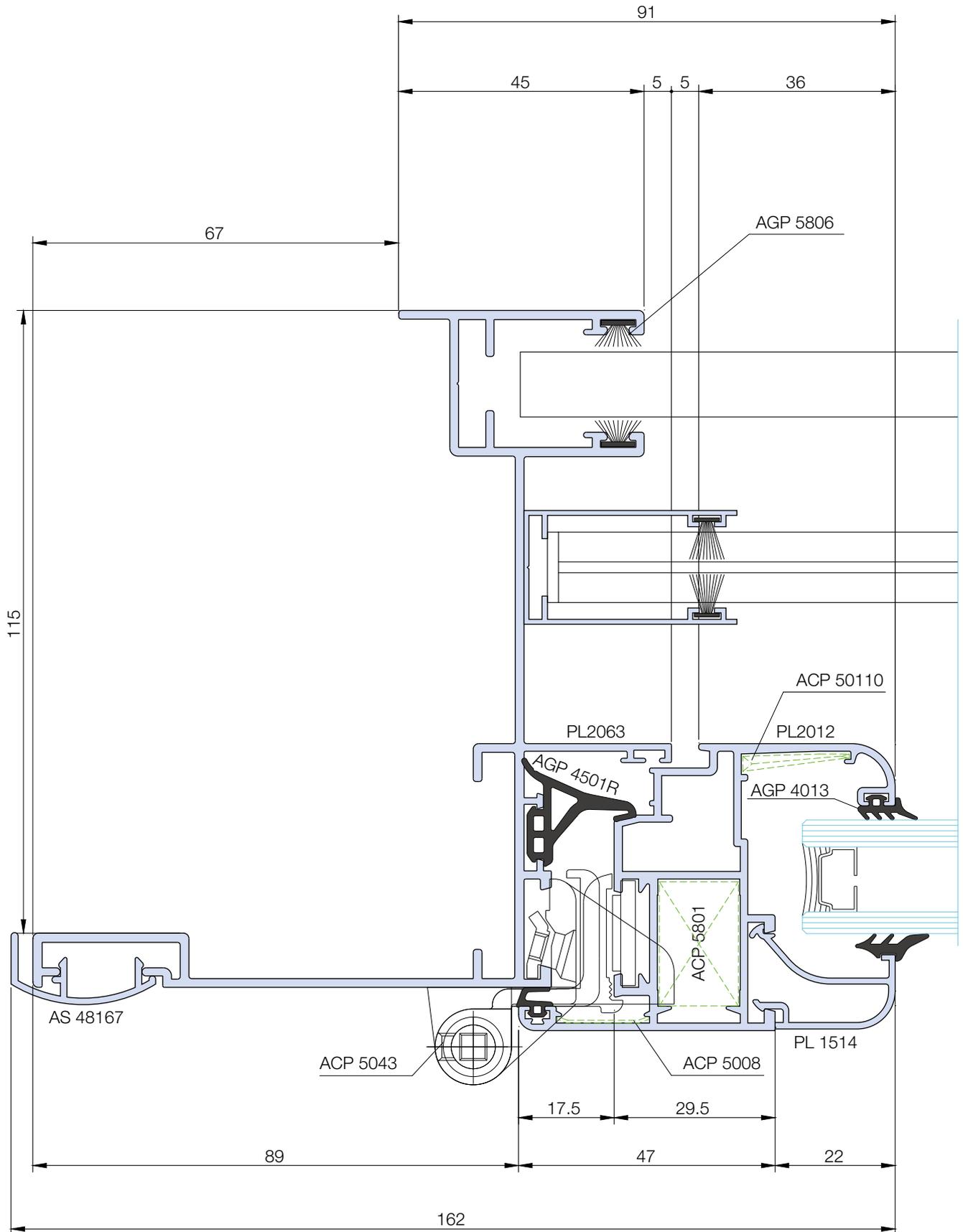
Close single unit with mosquito net - lateral section



# Nodo 54

## Monoblocco aperto anta ribalta con zanzariera - nodo laterale

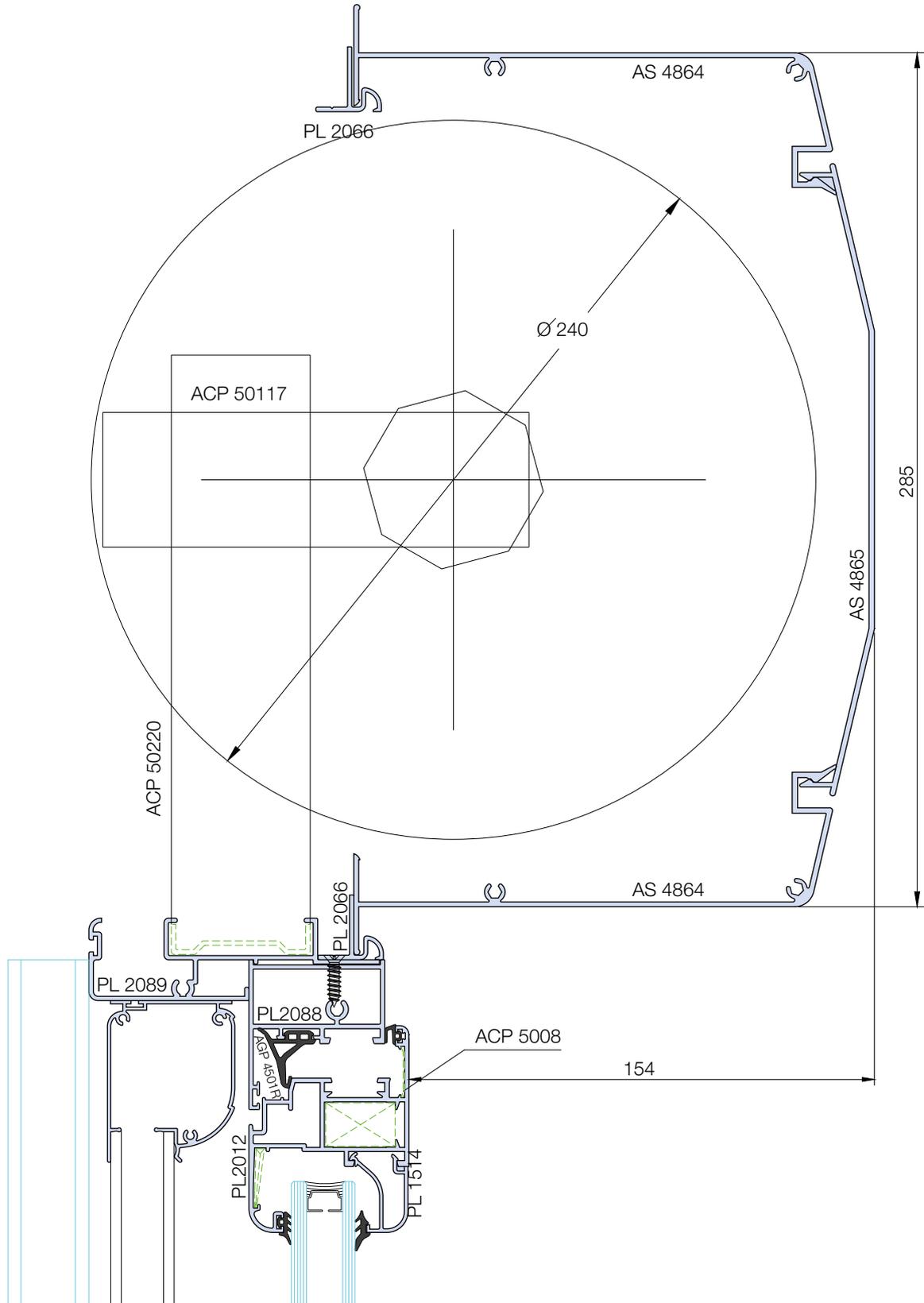
Open Tilt & turn single unit casement window with mosquito net - lateral section



## Nodo 55

Cassonetto monoblocco con zanzariera

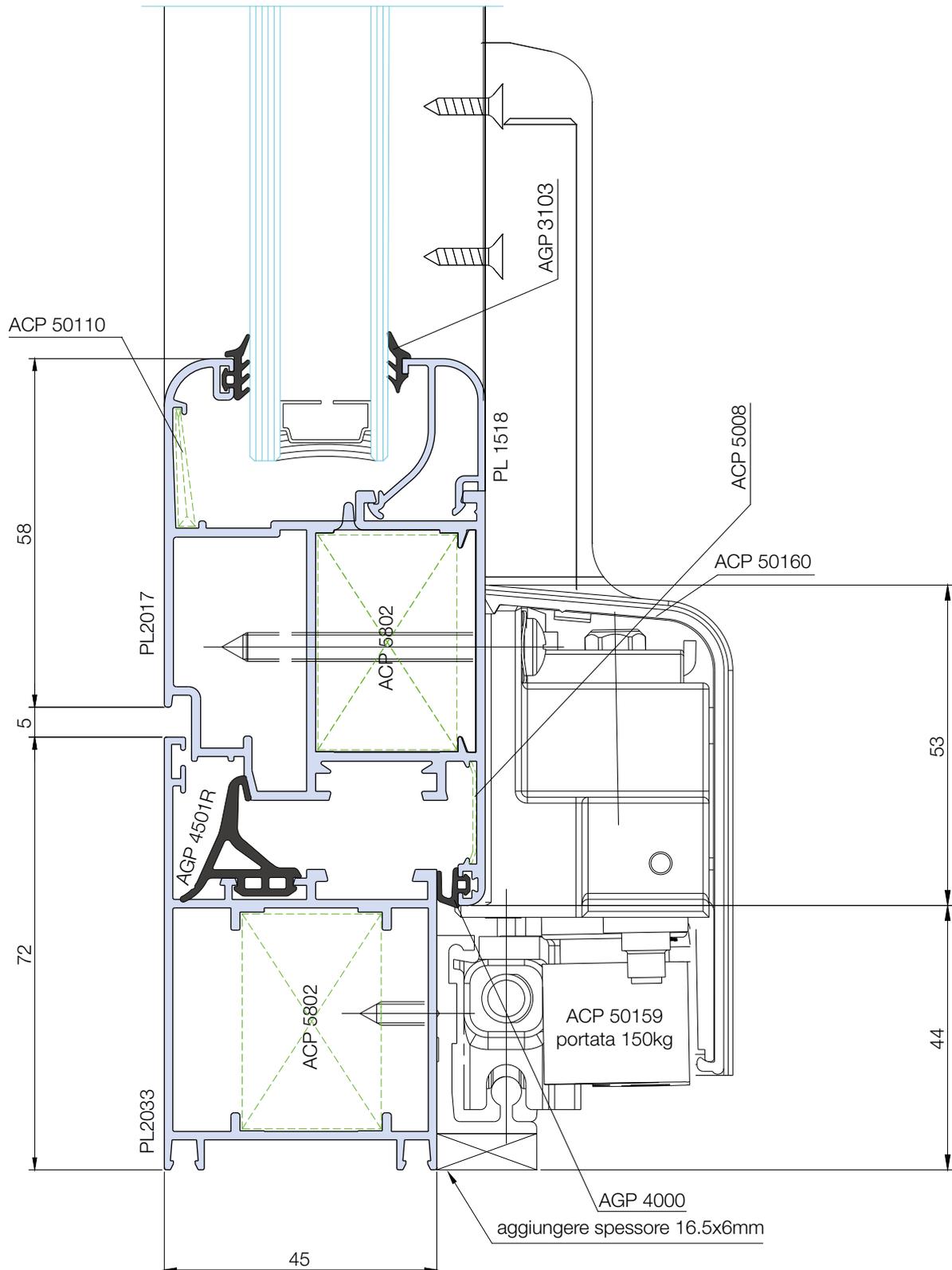
*Single unit with mosquito net*



## Nodo 56

Scorrevole parallelo - nodo inferiore

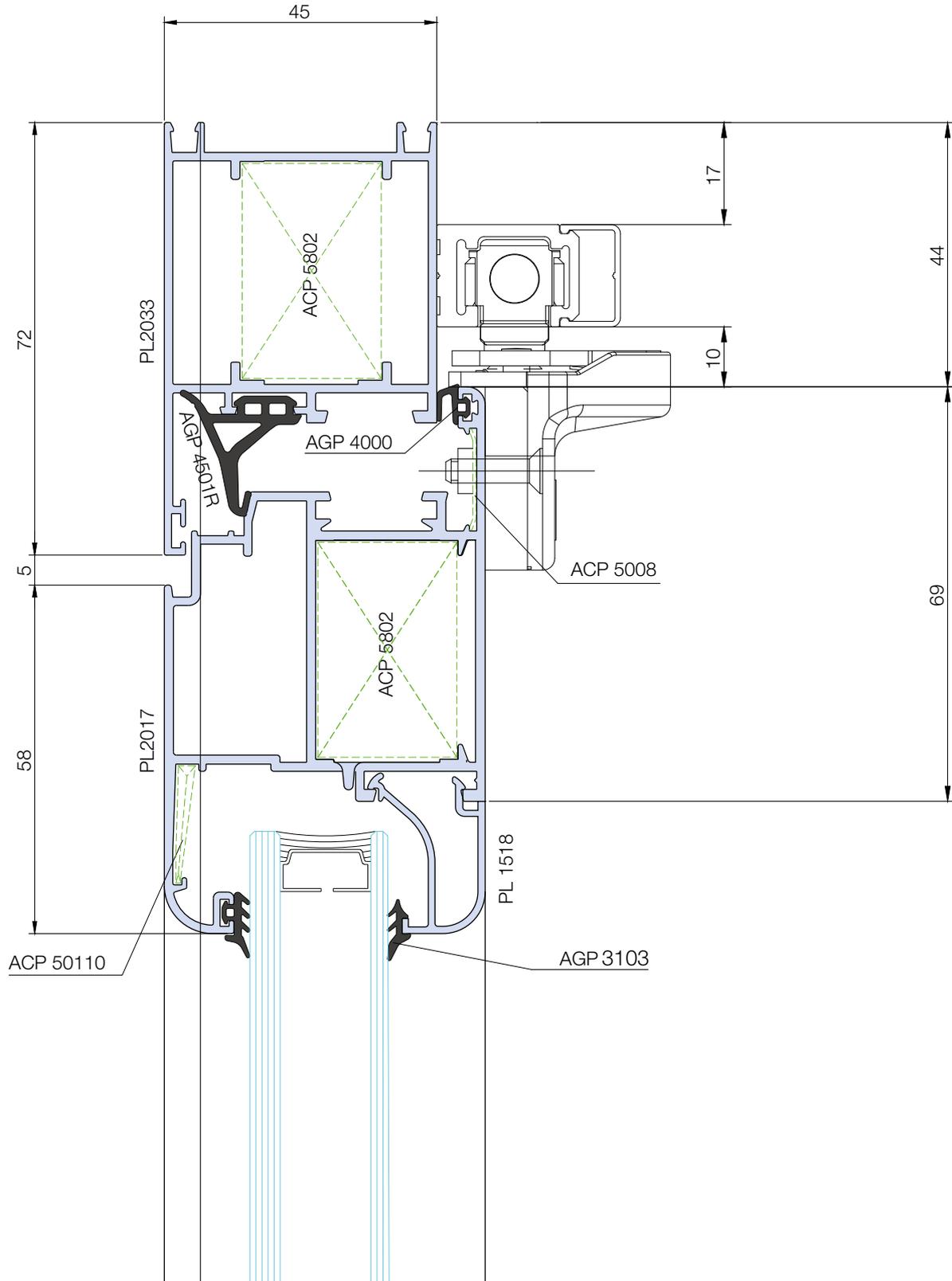
Parallel sliding - lowered section



## Nodo 57

### Scorrevolo parallelo - nodo superiore

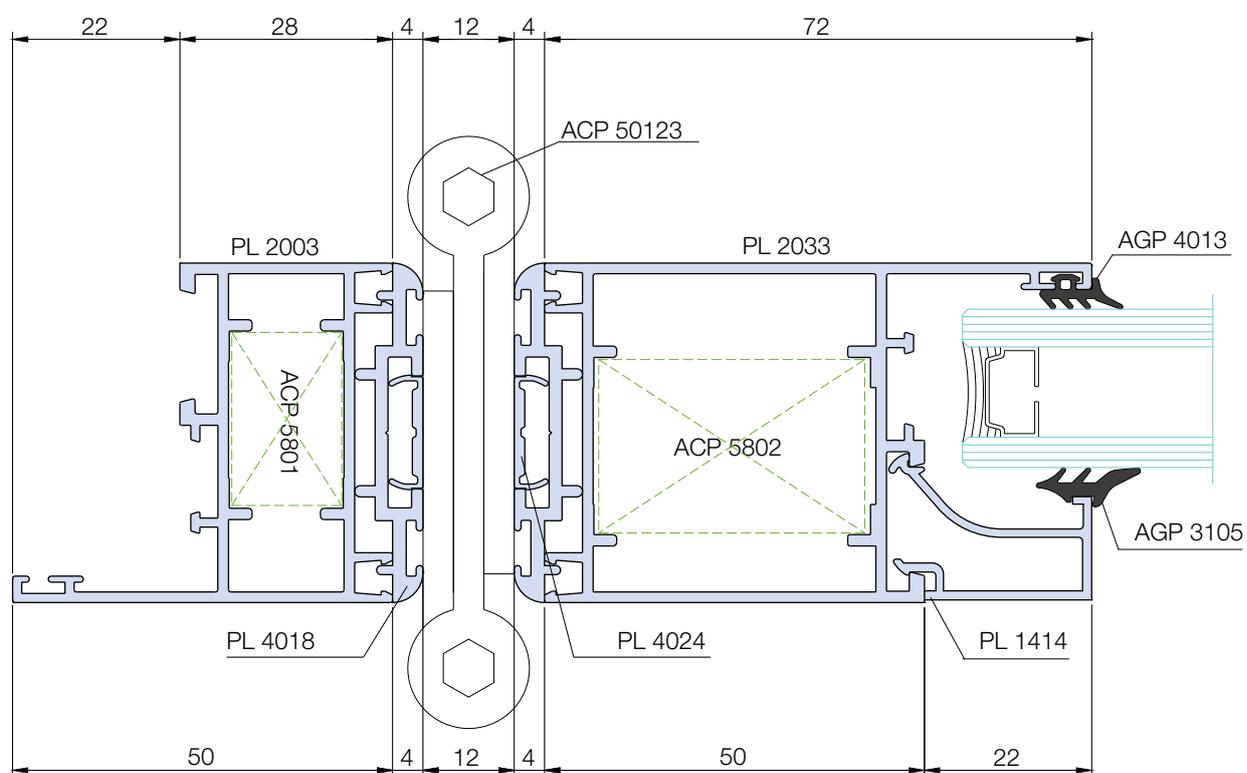
Parallel sliding - top section



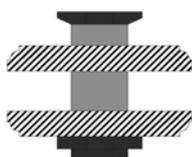
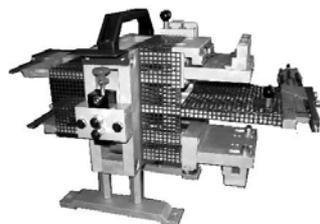
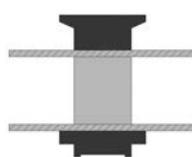
## Nodo 58

Apertura va e vieni - nodo laterale

*Up and coming opening - laterla section*



## ELENCO ATTEZZATURE

|    | <p><b>punzonatrice <i>punching machine</i></b></p>   |     | <p><b>pantografo / fresa /centro di lavoro<br/><i>pantograph / cutter / working center</i></b></p>  |
|---|--|--|---|
|    | <p><b>MCT PL 01 PT</b></p> <p>Gruppo frese per Planet 45 escluso vetro infilare PL2040, PL2041, PL20138</p> <p><i>Cutting machine for the Planet 45 serie, except glass insert profiles</i></p>  |    | <p><b>MCT PL 350 431/45</b></p> <p>Fresa per intestatura fer-mavetri arrotondati qualora si volessero tagliare a 45° senza utilizzare gli angoletti. 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 02 PT</b></p> <p>Gruppo frese per serie Planet 45 solo profili vetro ad infilare modanati tipo: PL2152, PL2153, PI 21148</p> <p><i>Cutting machine for the Planet 45 serie, glass insert and molded profiles only</i></p>   |   | <p><b>MCT PL JOLLY</b></p> <p>Punzonatrice parziale per eseguire tutte le lavorazioni specifiche della serie Planet: 45, 50TT, 62TT, 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, 50TT, 62TT, Matic, Elite Door and partials Nathura and Slide</i></p> |
|  | <p><b>MCT PL 06 PT</b></p> <p>Gruppo frese per serie Planet 45 solo vetro ad infilare tipo: PL2052, PL20148</p> <p><i>Cutting machine for the Planet 45 serie, glass insert profiles only</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 10 PT</b></p> <p>Gruppo frese per serie Planet 45 porte interne tipo PL20152</p> <p><i>Cutting machine for the Planet 45 serie for interior door profiles</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 14460</b></p> <p>Punzonatrice completa per eseguire tutte le lavorazioni specifiche delle serie: Planet 45, 50 PLUS, 62 PLUS, 72 PLUS, Nathura70, 82, 92 Matic 50 PLUS, 62 PLUS, 72 PLUS, Elite door 72, telai Slide 80/160, Slidewood 160</p> <p><i>Full punching for machining for: Planet 45, 50TT, 62TT, 72HT Nathura70, 82, 92, Matic 50 plus, 62 plus, 72 plus, Elite Door 72 and Slide 80/106, Slidewood 160</i></p> |  |   |



### EM 140G

Intestatrici per fermavetri arrotondati con morsa e gruppo frese

*Glazing bead fixing machine*



### MCT PL 400 03 63

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

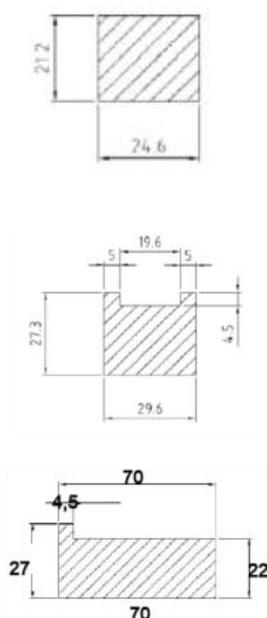
*Counterprofile for rounded glazing beads when a 45° cut is desired without using the angles the kit can be used on EM140G milling machines*



### ACP 6000

Kit controsagome per troncatrici Emmegi

*Shape Kit for Emmegi machine*



### ACP 6001

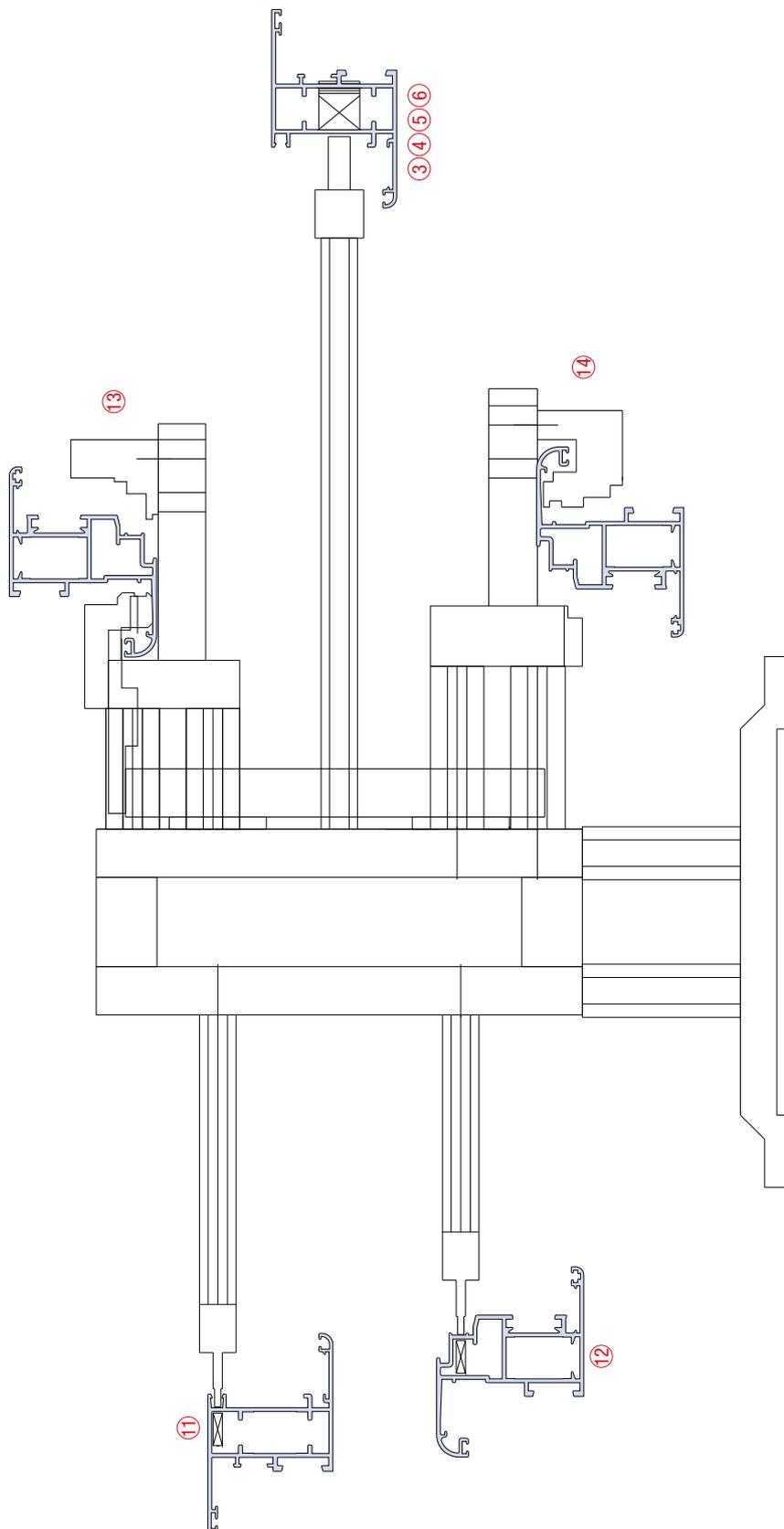
Kit controsagome per troncatrici (escluso Emmegi)

*Shape Kit for Emmegi machine excluded*

## MCT PL JOLLY

### Punzonatrice Planet MCT PL JOLLY

Planet MCT PL JOLLY punching machine



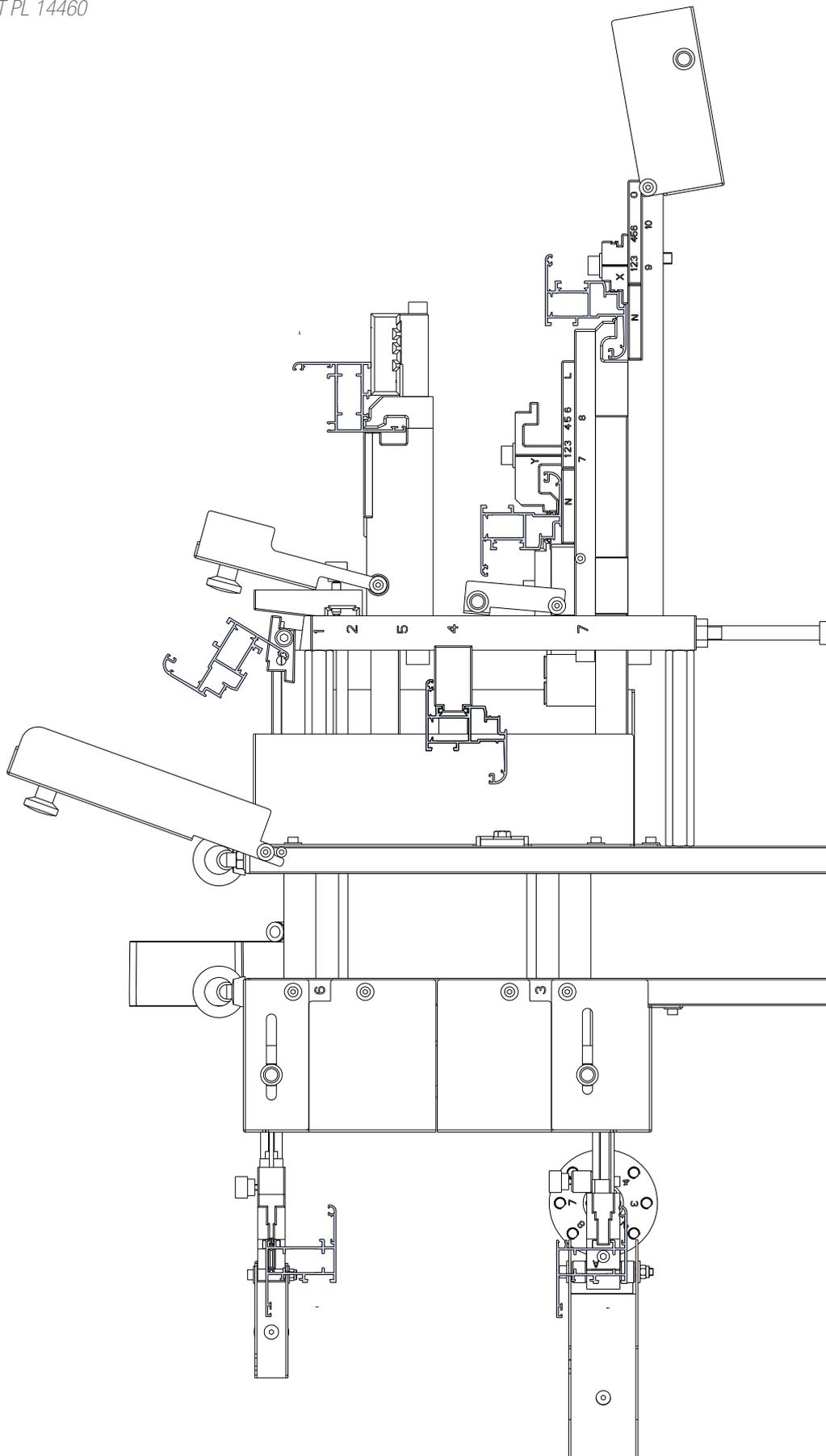
#### Legenda:

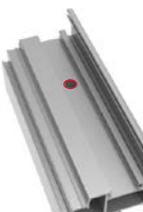
- ③ Lav. Foro Ø10.5mm + asola 14X6mm per fissaggio squadretta / Ø10.5mm hole + 14X6mm slot machining for fixing bracket
- ④ Lav. Foro Ø10.5mm per fissaggio cavallotto / Ø10.5mm hole + machining for fixing clamp
- ⑤ Lav. Foro Ø8mm per fissaggio cavallotto / Ø8mm hole mach. for fixing clamp
- ⑥ Lav. Foro 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

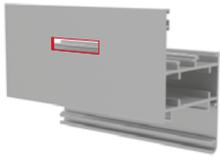
## MCT PL 14460

Punzonatrice completa MCT PL 14460

*Milling machine MCT PL 14460*



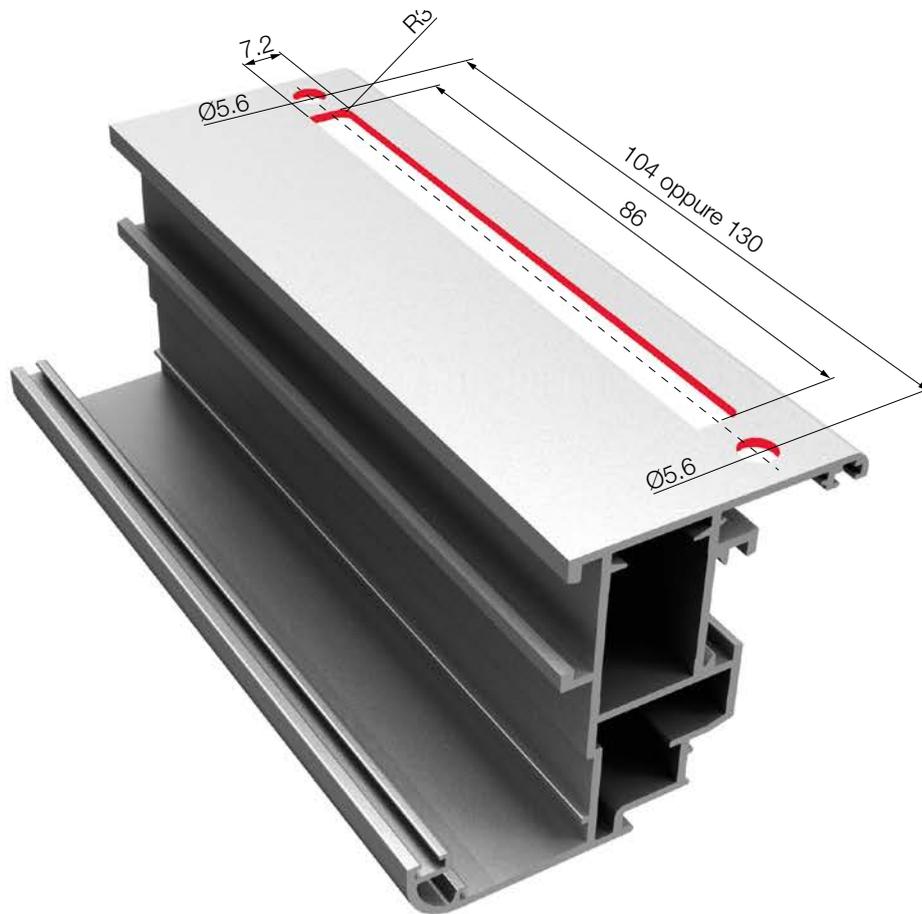
|   | Immagine lavorazione  | Descrizione lavorazione  | Lavorazione con punzonatrice MCT PL JOLLY | Lavorazione con punzonatrice MCT PL 14460 |
|---|---|--|---|---|
| 1 |    | Asola e fori bloccaggio cremonese interasse 104mm oppure 130mm<br><i>Slot and holes locking cremonese bolt centre distance 104mm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

|    | <b>Immagine lavorazione</b>   | <b>Descrizione lavorazione</b>  | <b>Lavorazione con punzonatrice MCT PL JOLLY</b> | <b>Lavorazione con punzonatrice MCT PL 14460</b> |
|----|---|---|--|--|
| 7  |    | Scarico acqua 31x6mm<br><i>31x6mm water drainage</i>                          | no   | si   |
| 8  |    | Spuntatura alette passaggio astina<br><i>Trimming of rod passage fins</i>     | no   | si   |
| 9  |  | Asola interna per areazione anta<br><i>Internal slot for leaf ventilation</i> | si   | si   |
| 10 |  | Asola esterna per areazione anta<br><i>External slot for leaf ventilation</i> | si   | si   |

## L1

Asola e fori bloccaggio cremonese interasse 104mm oppure 130mm

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

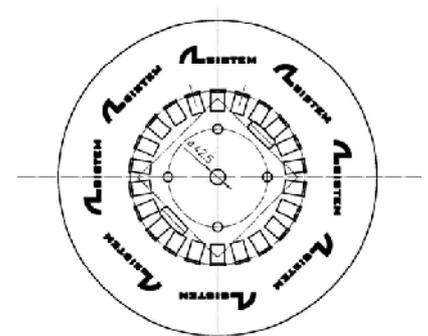
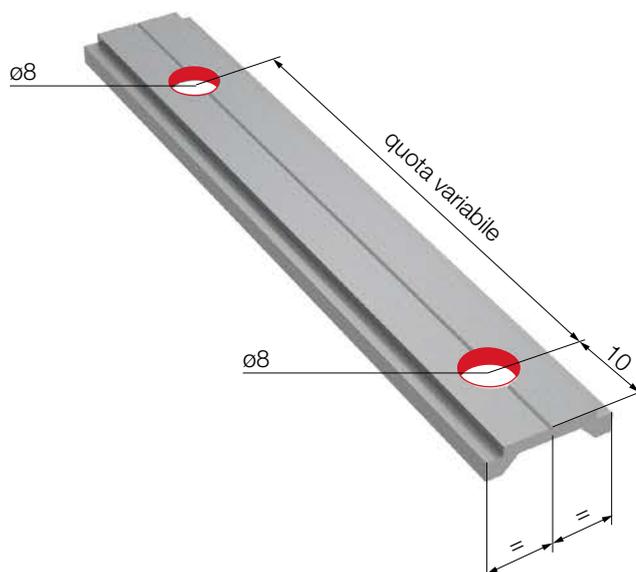


## L2

Foro astina di testa 8mm oppure passante.

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

*8mm head hole*

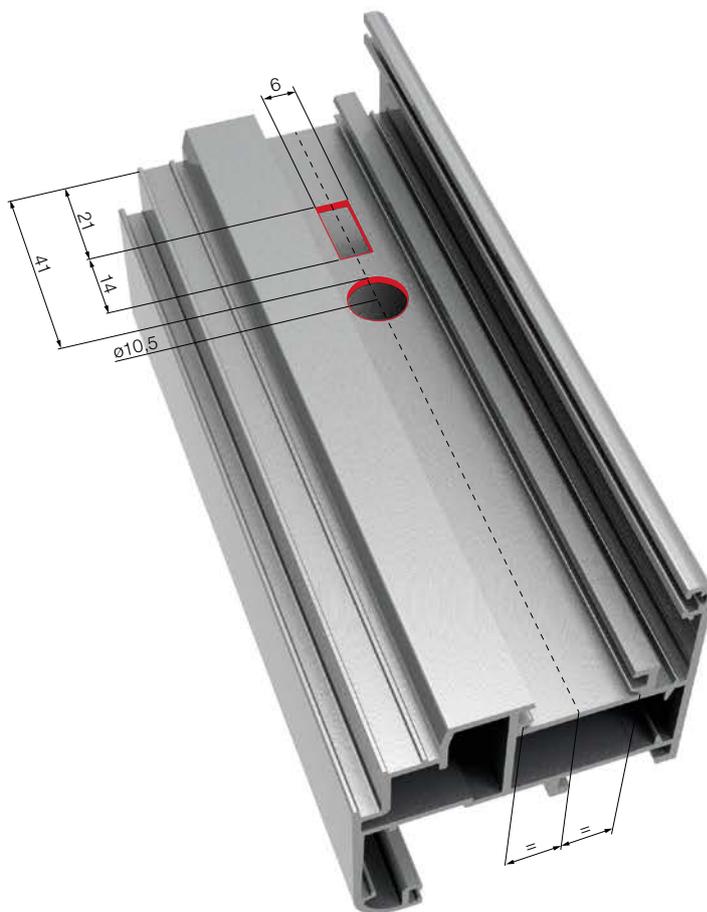


TAC 1000

L3 

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

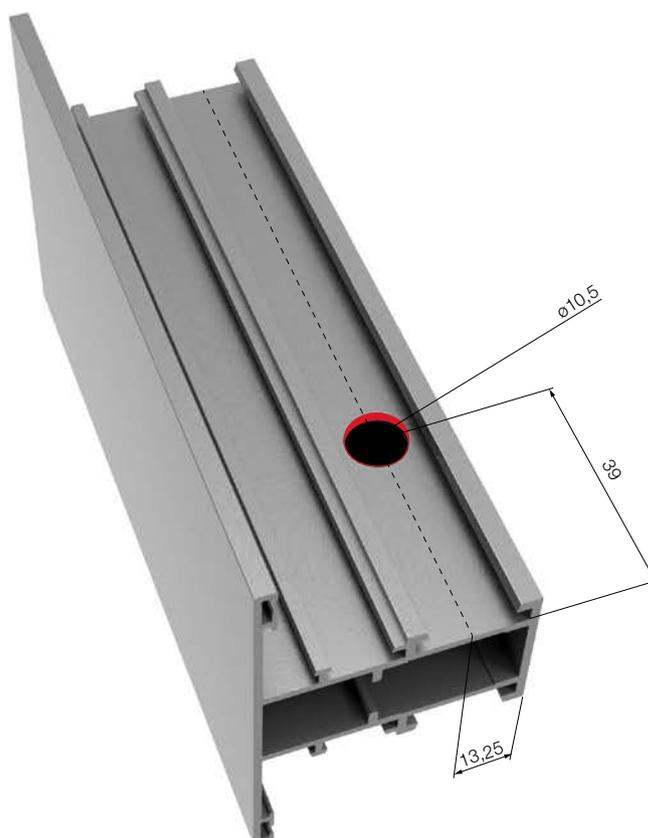
Ø10.5mm hole for fastening and 14X6 slot for push-button bracket key



L4 

Foro Ø10.5mm

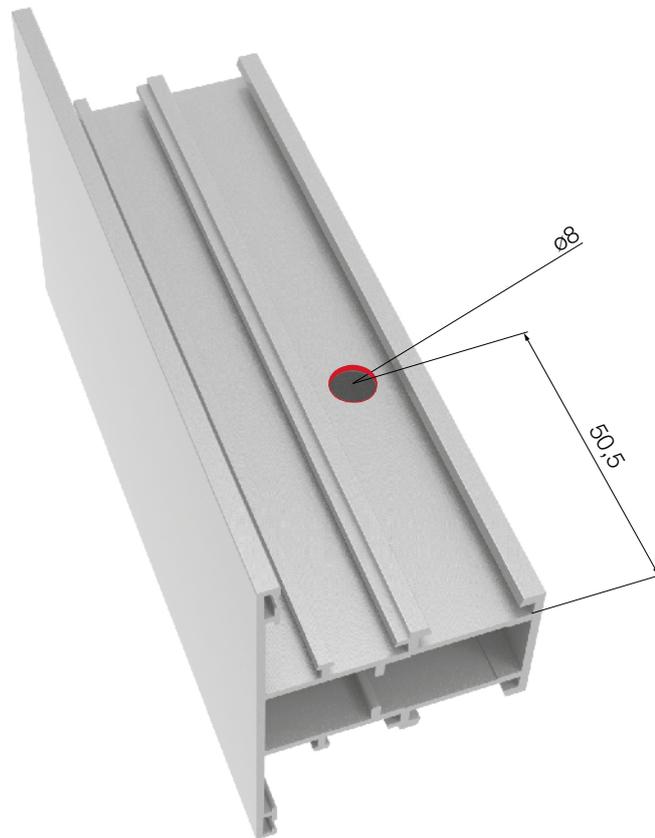
Ø10.5mm hole for fixing clamp



## L5

Foro Ø8mm per fissaggio cavallotto

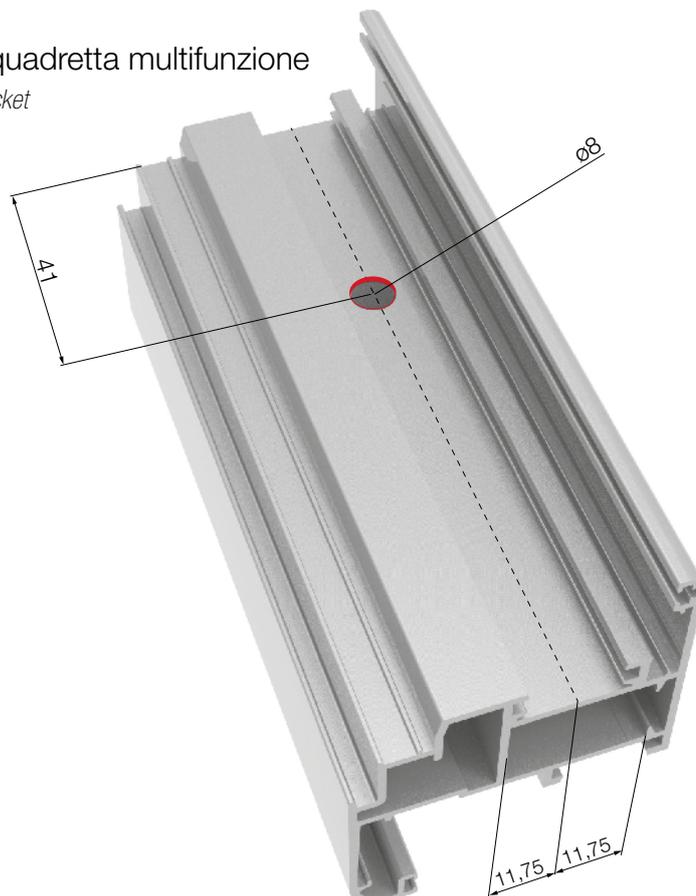
Ø8mm hole for fixing clamp



## L6

Foro Ø8mm per spina o vite squadretta multifunzione

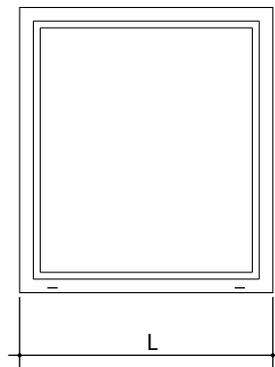
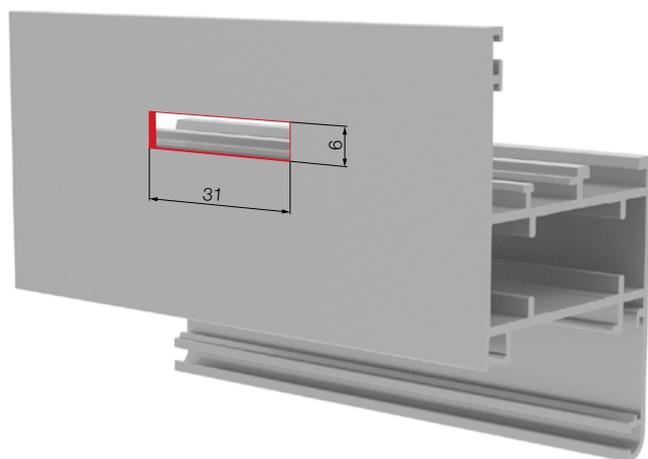
Ø8mm hole for pin or screw multi-propose bracket



## L7

### Scarico acqua 31x6mm

31x6mm hole for fixing clamp

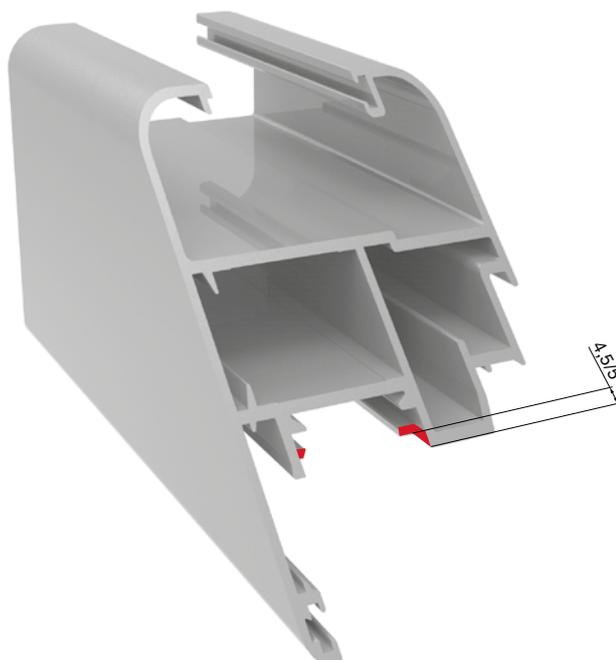


| DIMENSIONI L   | Q.TA' DRENAGGI        |
|----------------|-----------------------|
| fino a 1000    | 3                     |
| da 1000 a 1500 | 4                     |
| oltre 1500     | min. 6 / 1 ogni 400mm |

## L8

### Spuntatura aletta per passaggio astina

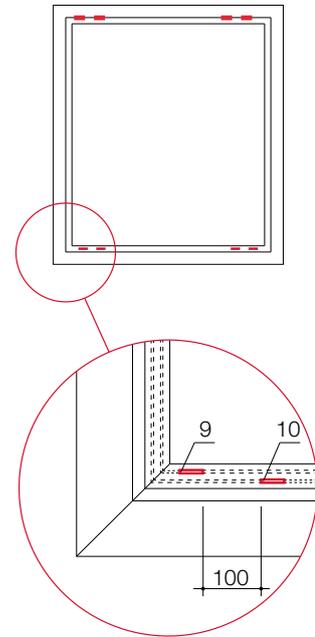
Cut frame for rod assembly



## L9

Asola interna per aerazione anta

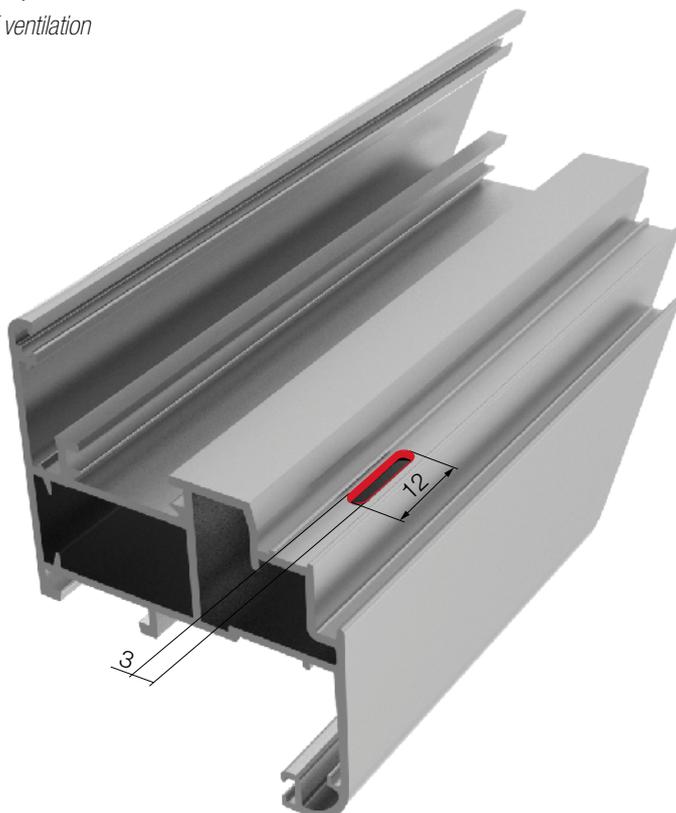
*Internal slot for leaf ventilation*



## L10

Asola esterna per aerazione anta

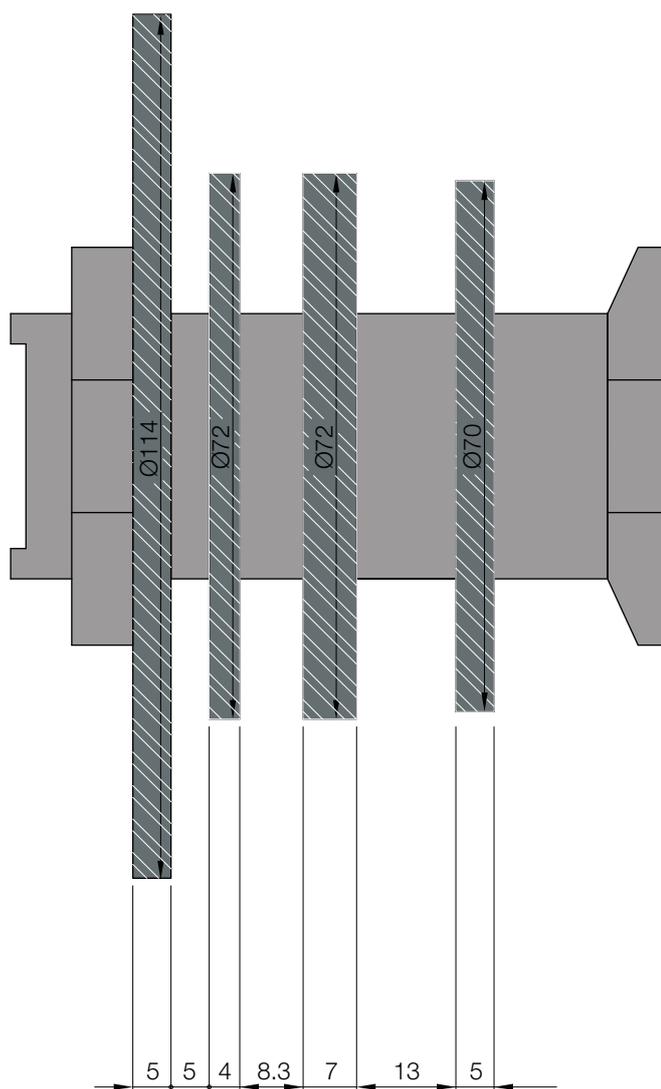
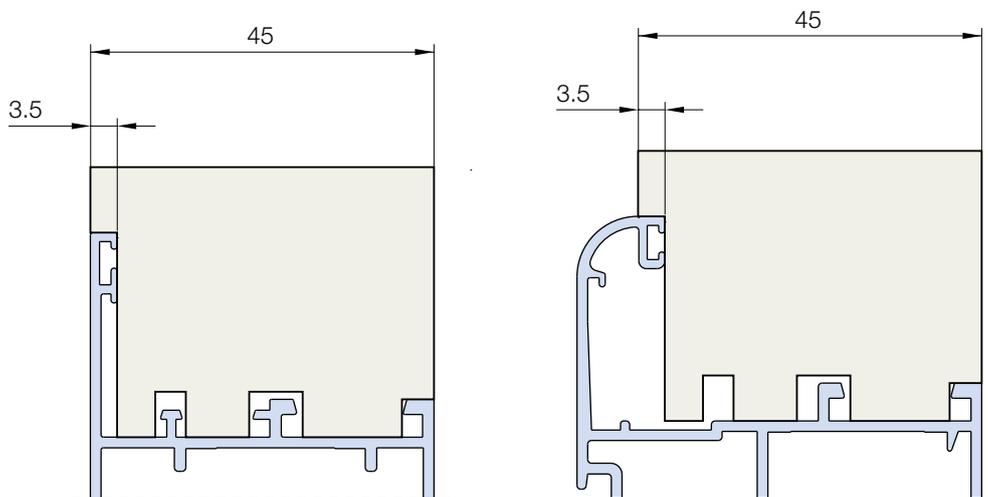
*External slot for leaf ventilation*



L11 

Gruppo frese MCT PL 01 PT. Questo gruppo frese lavora tutti i profili della serie Planet 45 tranne quelli per il vetro ad infilare.

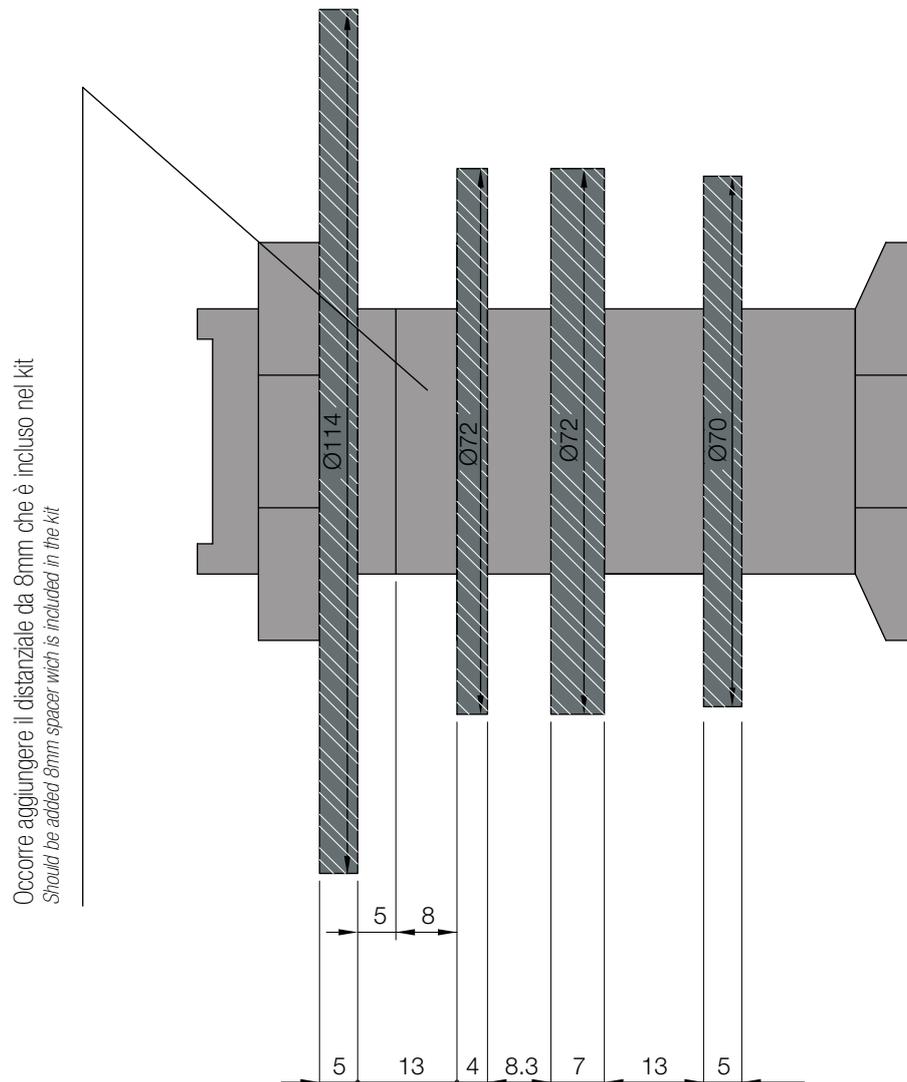
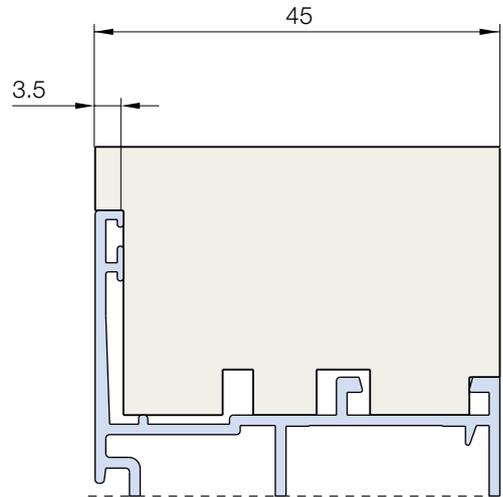
*This cutter unit works Planet 45 profiles, except glass insert*



L12 

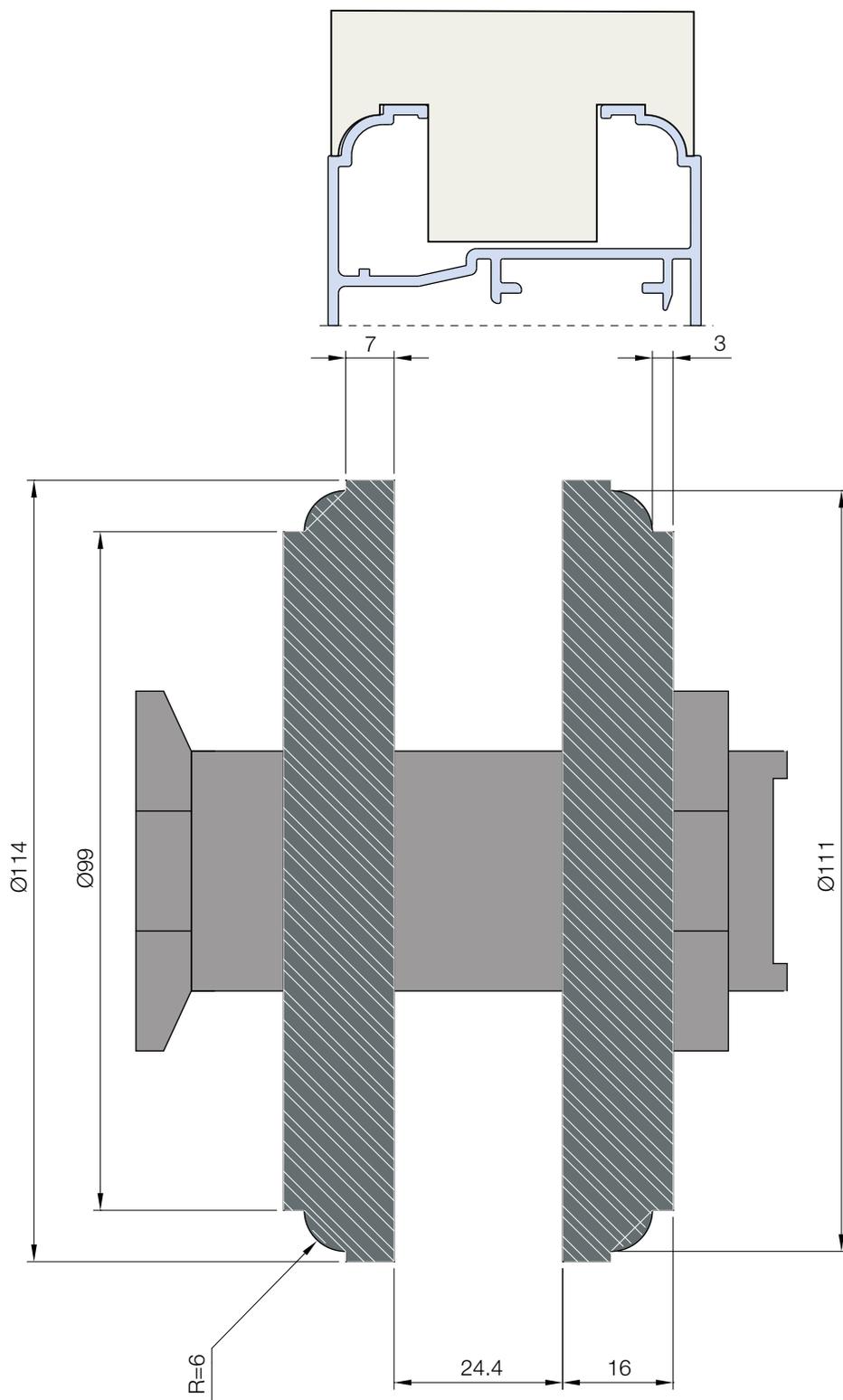
Gruppo frese MCT PL 01 PT. Questo gruppo frese lavora esclusivamente i profili per le ante lisce da 53mm della serie Planet 45

*This cutter unit works Planet 45 flat profiles, 53mm*



# L13

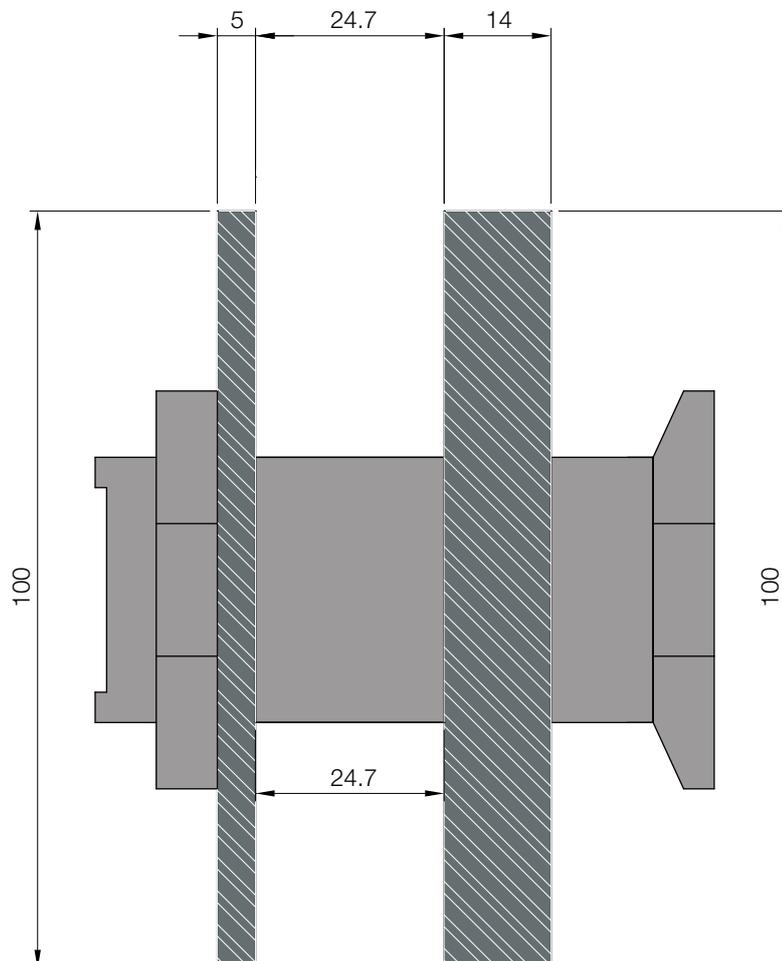
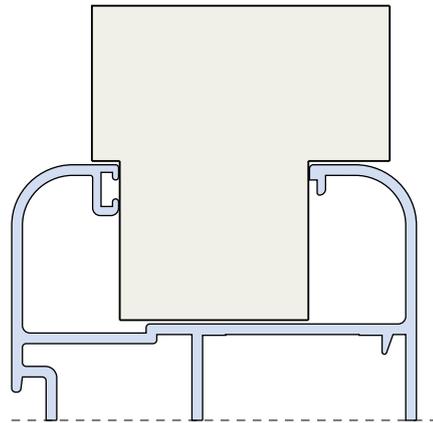
Gruppo frese MCT PL 02 PT. Questo gruppo frese lavora esclusivamente i profili vetro ad infilare per le ante modanate PL21151, PL2151 e PL2028  
*This cutter unit works Planet 45 glass insert profile for molded leafs PL21151, PL2151 and PL2028*



L14 

Gruppo frese MCT PL 06 PT. Questo gruppo frese serie Planet 45 solo vetro ad infilare (spazio vetro 25mm)

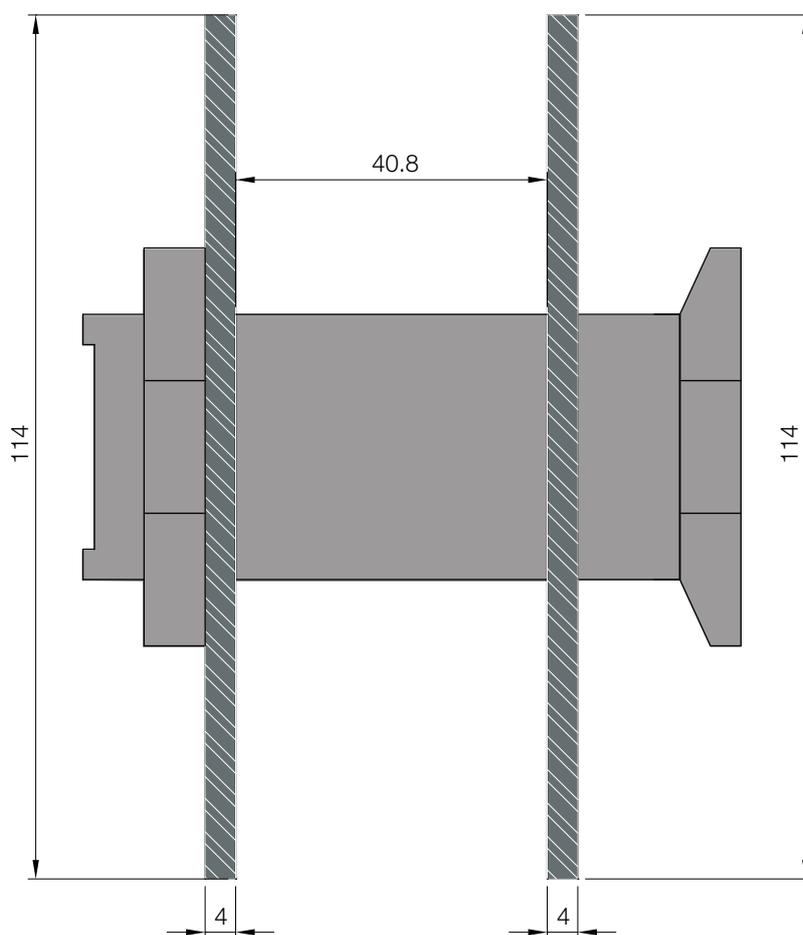
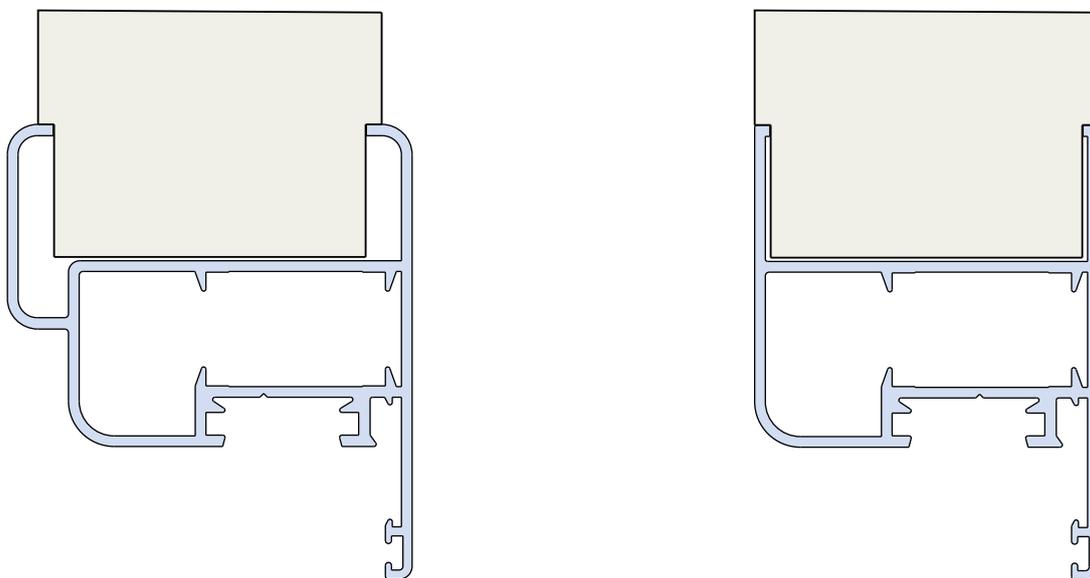
*This cutter unit works Planet 45 glass insert profile, 25mm glazing spacer*



L15 

## Gruppo frese MCT PL 10 PT

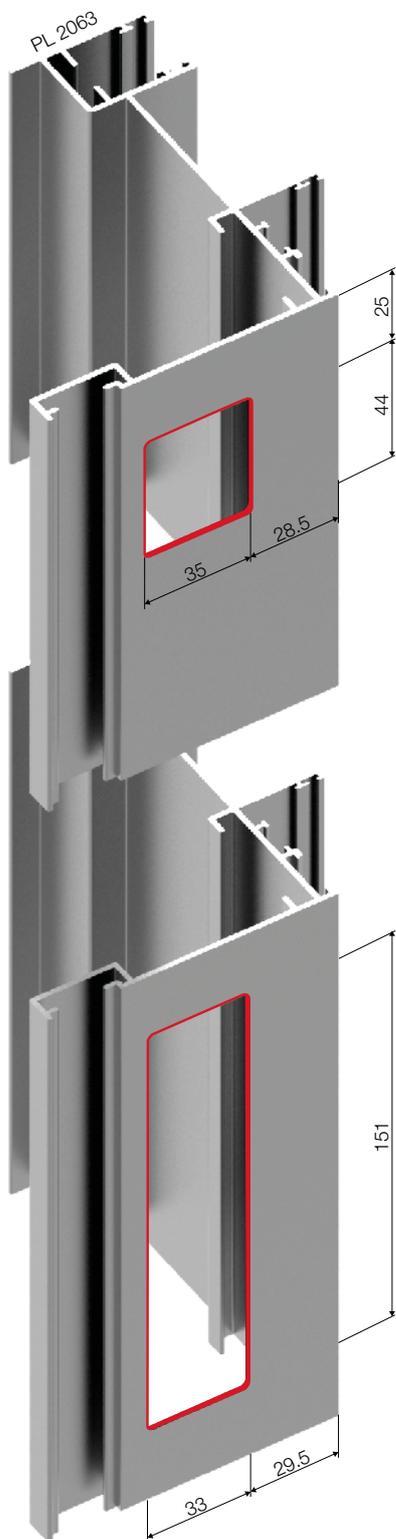
Gruppo frese per serie Planet 45 porte interne  
*This cutter unit works Planet 45, interior door*



## L16

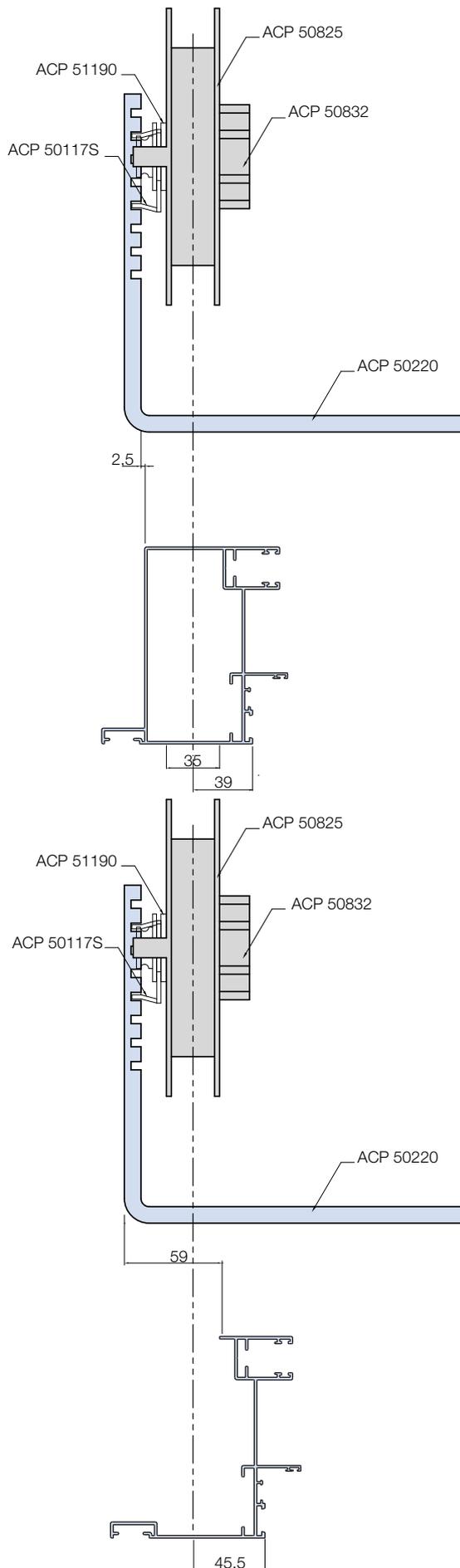
### Lavorazione spalla monoblocco

Machining of single-unit shoulder



**MONTAGGIO  
ACP 51001**

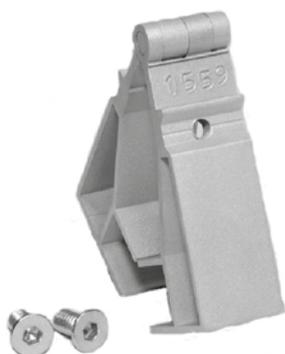
**MONTAGGIO  
ACP 50705**



## L17

### Lavorazione fori per montaggio squadretta maggiorata angolo variabile ACP 5506

Oversize corner cleat ACP 5506 assembly

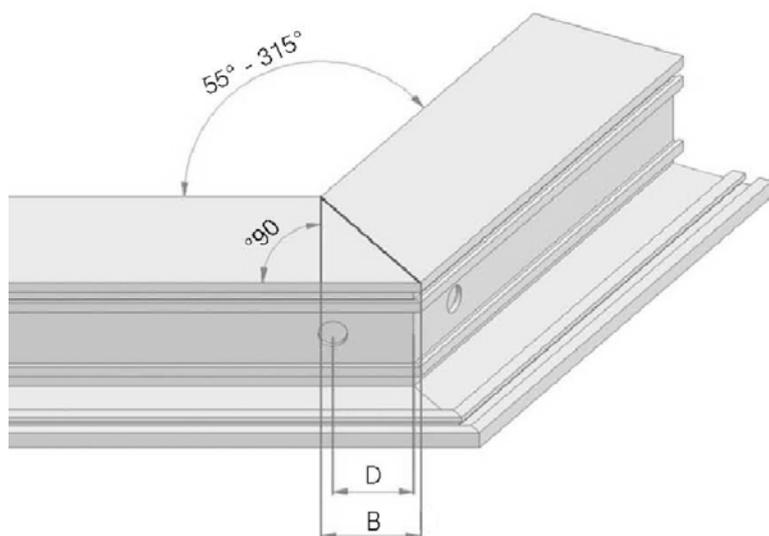
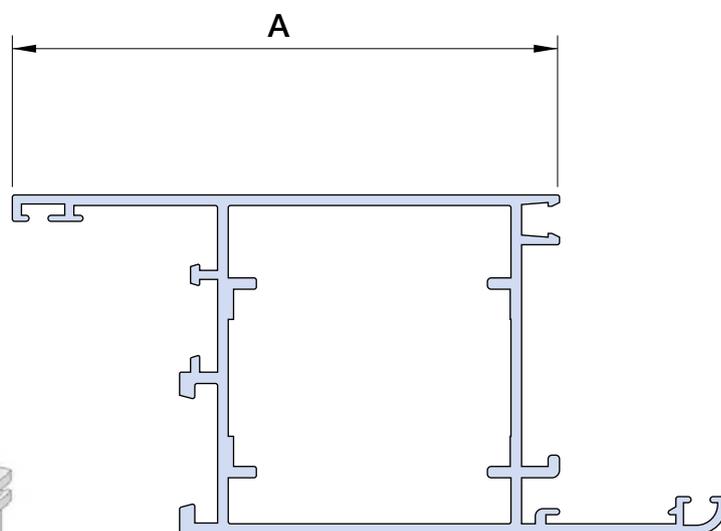


#### PROCEDURA PER ACP 5506

- 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 bottom formula);
- the obtained value can be round off + or - mm.



Per calcolare l'asse di foratura

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

A = larghezza profilo

B = proiezione (a 90°) vertice interno su lato esterno

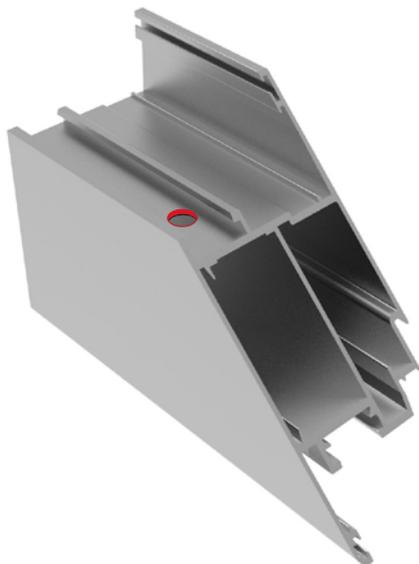
Esempio con B = 35 mm A = 50 mm

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

## L18

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

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

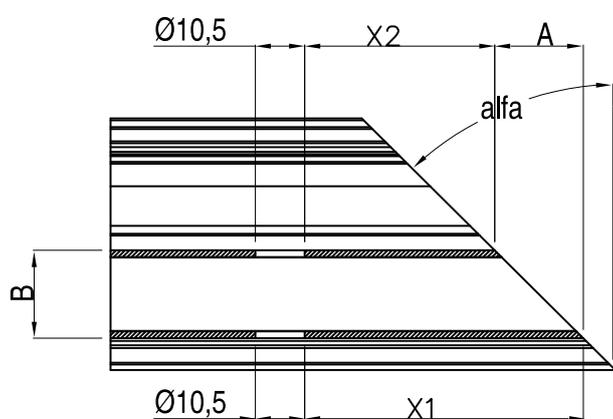


#### PROCEDURA PER ACP 5504

- stabilito l'angolo di taglio del profilo, misurare la quota A o determinarla in linea teorica applicando la seguente formula:  
 $A = B \times \tan(\text{alfa})$ ;
- sommare o detrarre al coefficiente C la metà della quota A (prima determinata) per ottenere la distanza di 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:  $A = B \times \tan(\text{alfa})$ ;
- 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;
- the obtained value can be round off + or - mm.



#### PROCEDURA PER ACP 5805

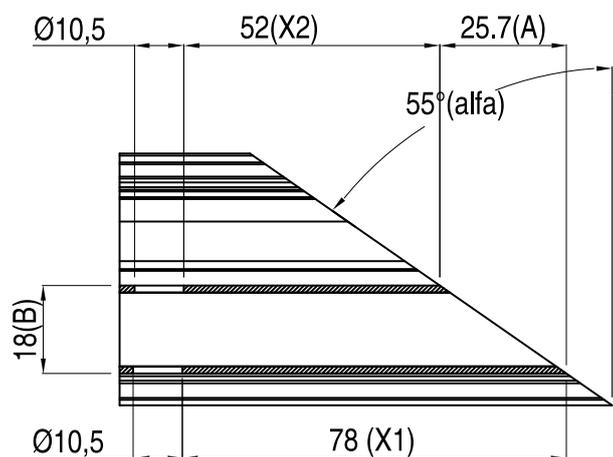
Per questa squadretta valgono le stesse regole per il calcolo di A, mentre per X1 il coefficiente da aggiungere è sempre 41mm  
PERTANTO:  $X1 = A + 41$ .

#### 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 = alfa                    | Angle = alfa                     |
| $A = B \times \tan(\text{alfa})$ | $A = B \times \tan(\text{alfa})$ |
| $C = 65$                         | $C = 65$                         |
| $X1 = C + (A/2)$                 | $X1 = C + (A/2)$                 |
| $X2 = C - (A/2)$                 | $X2 = C - (A/2)$                 |

Esempio con angolo di taglio alfa = 55°  
Example of alpha cutting angle = 55°

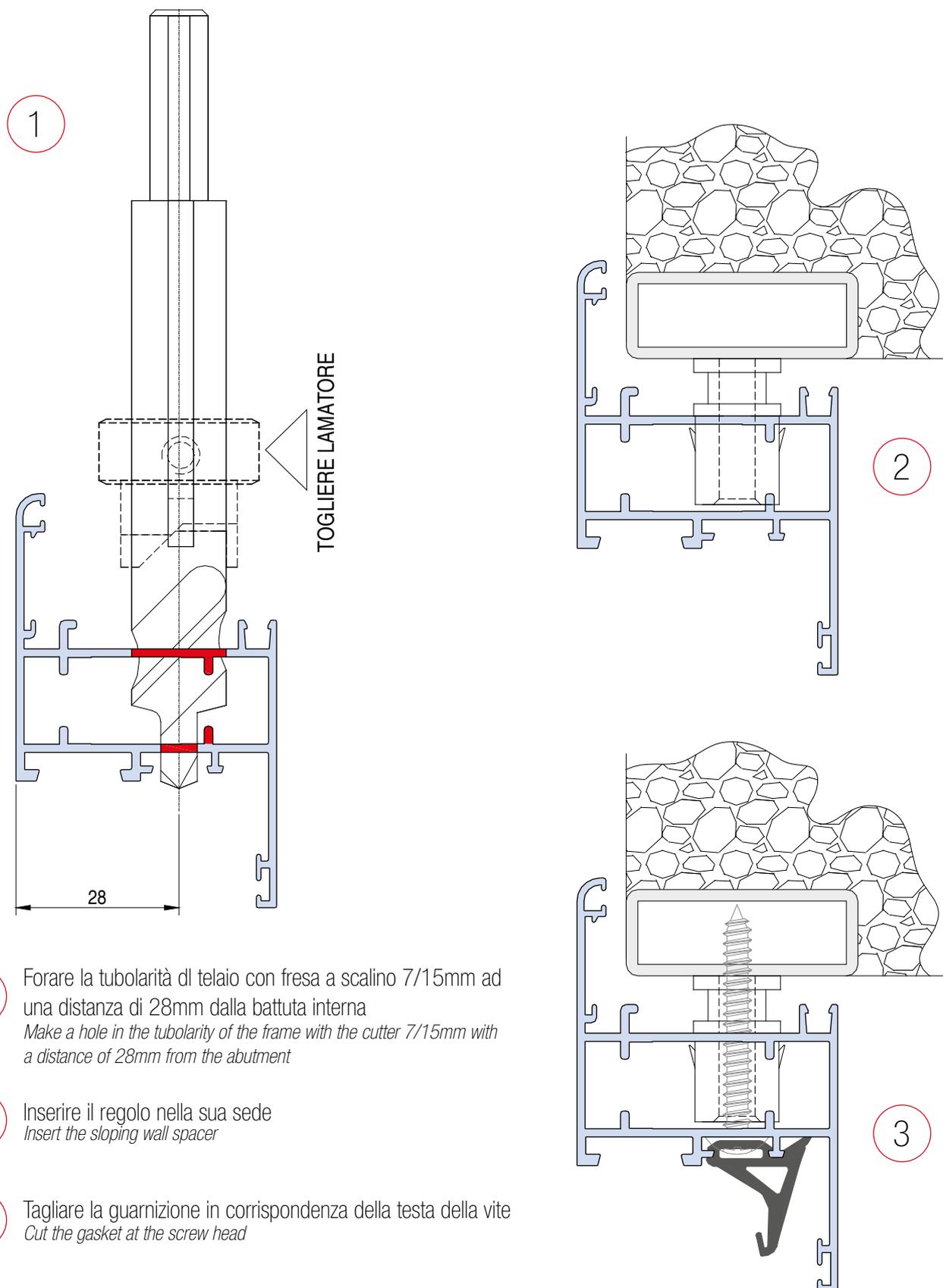


Angolo = 55  
 $A = 18 \times (\tan \text{ di } 55)$   
 $C = 65$  (art.0910.10)  
 $X1 = 65 + (25.71/2) = 77.85$  circa  
 $X2 = 65 - (25.71/2) = 52.15$  circa  
 arrotondare  
 $X1 = 78$   
 $X2 = 52$   
 Angle = 55  
 $A = 18 \times (\tan \text{ of } 55)$   
 $C = 65$  (art.0910.10)  
 $X1 = 65 + (25.71/2) = 77.85$  approximately  
 $X2 = 65 - (25.71/2) = 52.15$  approximately  
 round up/down  
 $X1 = 78$   
 $X2 = 52$

## L19

### Lavorazione regolo a muro

*Sloping wall spacer working*



1 Forare la tubolarità di telaio con fresa a scalino 7/15mm ad una distanza di 28mm dalla battuta interna  
*Make a hole in the tubularity of the frame with the cutter 7/15mm with a distance of 28mm from the abutment*

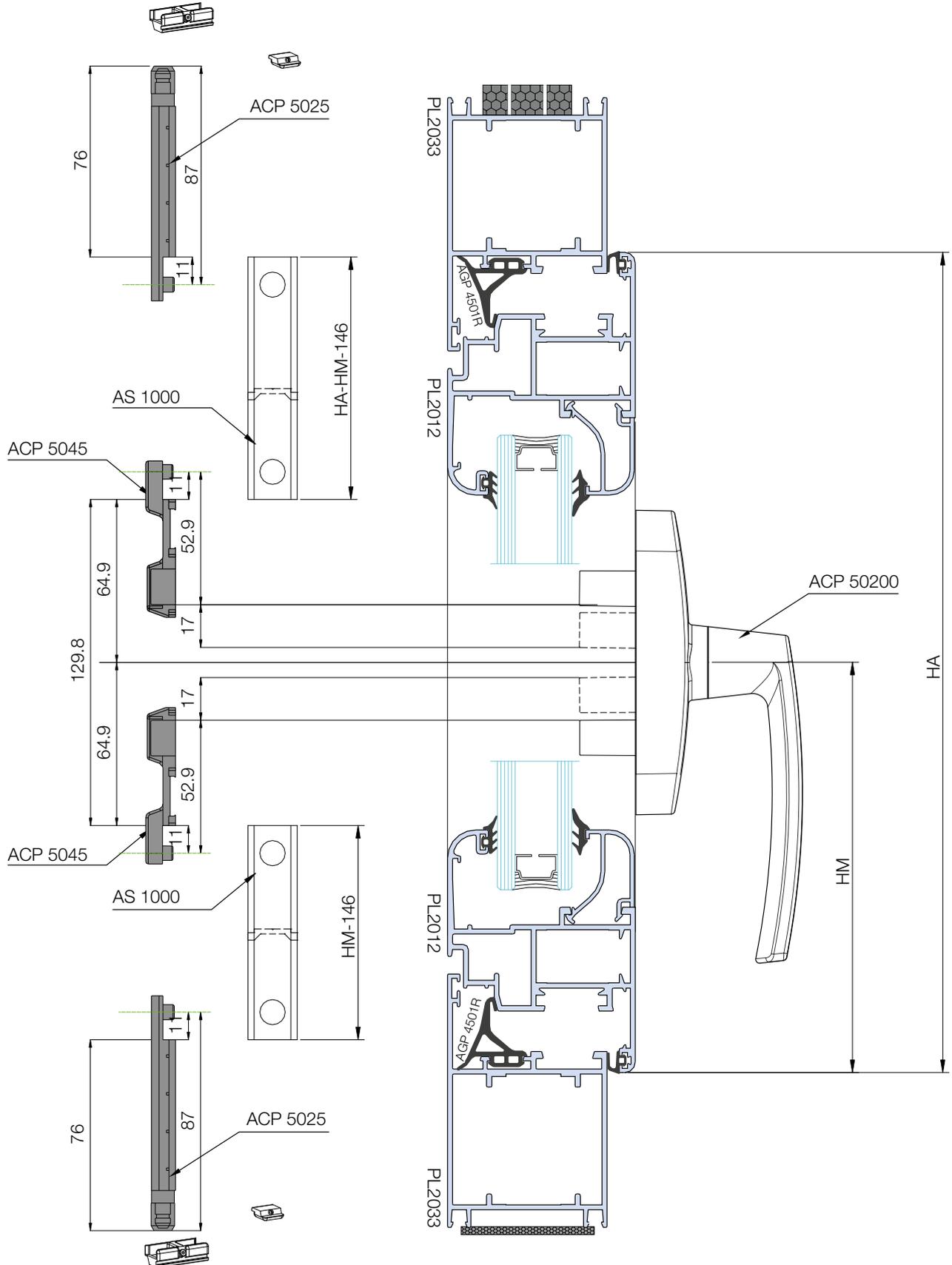
2 Inserire il regolo nella sua sede  
*Insert the sloping wall spacer*

3 Tagliare la guarnizione in corrispondenza della testa della vite  
*Cut the gasket at the screw head*

## L20

### Lavorazione taglio astina per kit ACP 50175

Leaf closure rod cutting for ACP 50175



## M1

### Applicazione ACP 5801 - ACP 5802

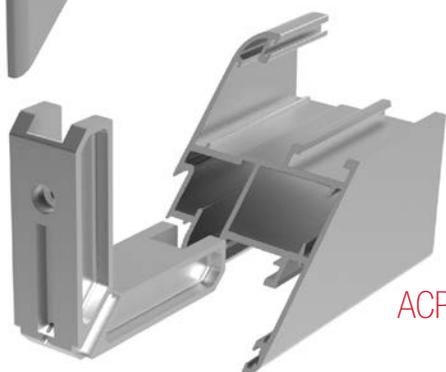
Inserire la squadretta ACP 5801 - ACP 5802 e chiudere l'angolo scegliendo tra le opzioni che seguono.

*ACP 5801 - ACP 5802 - ACP 7001 application*

*Insert corner cleat and close the corner by choosing one of the following options.*



- 1 Cianfinatura tramite l'apposito kit  
*Crimping using the appropriate kit*

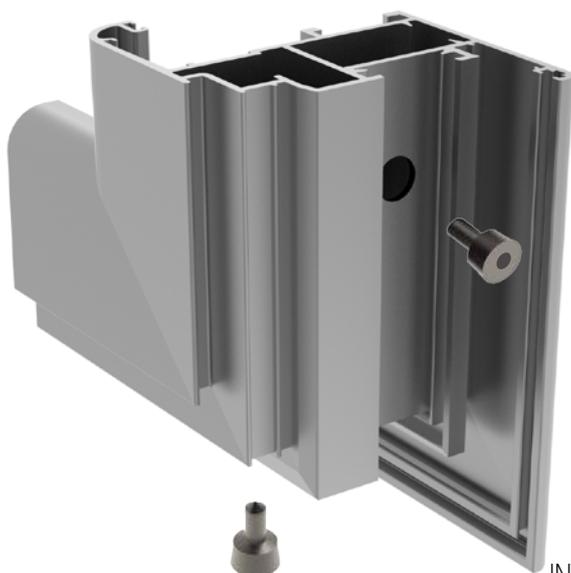


ACP 5801

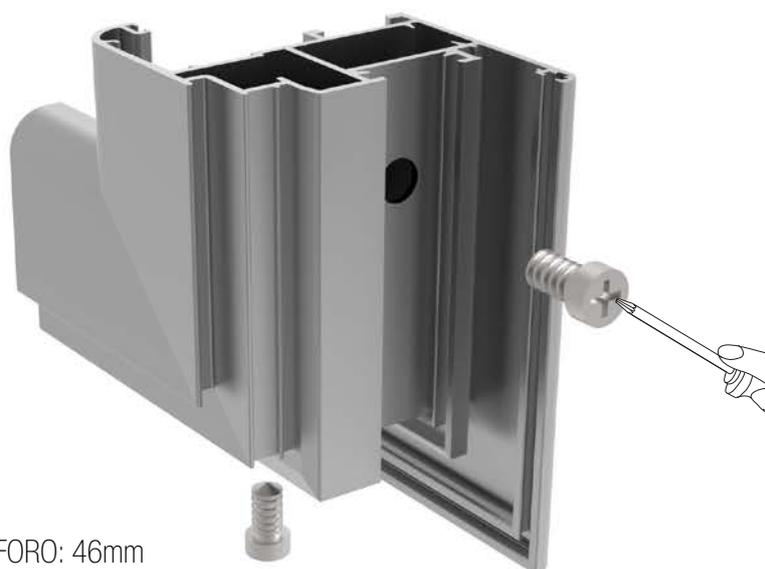
Kit coltelli per cianfrinatura  
*Crimping kit*



- 2 Spinatura tramite la spina ACP 5800, foro Ø8 di punzonatrice  
*Broaching using pin ACP 5800, Ø8 hole by punching machine*



- 3 Avvitatura con vite ACP 5001, foro Ø8 di punzonatrice  
*Screwing with screw ACP 5001, Ø8 hole by punching machine*  
Dare un giro per lato, fino a che la testa della vite va A FILO PROFILO



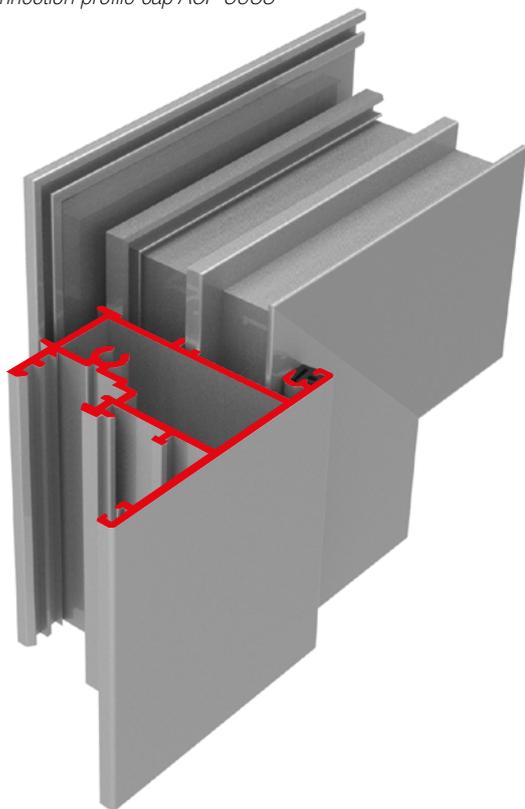
INTERASSE FORO: 46mm

*Hole centre distance: 46mm*

## M2

### Montaggio tappo riporto centrale ACP 5083/ ACP 5079

*Fitting the central connection profile cap ACP 5083*

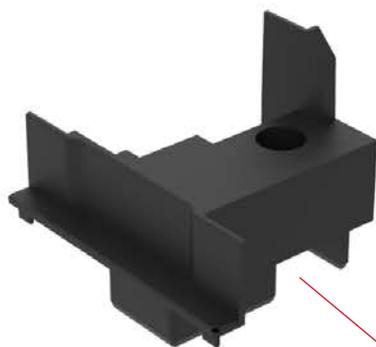
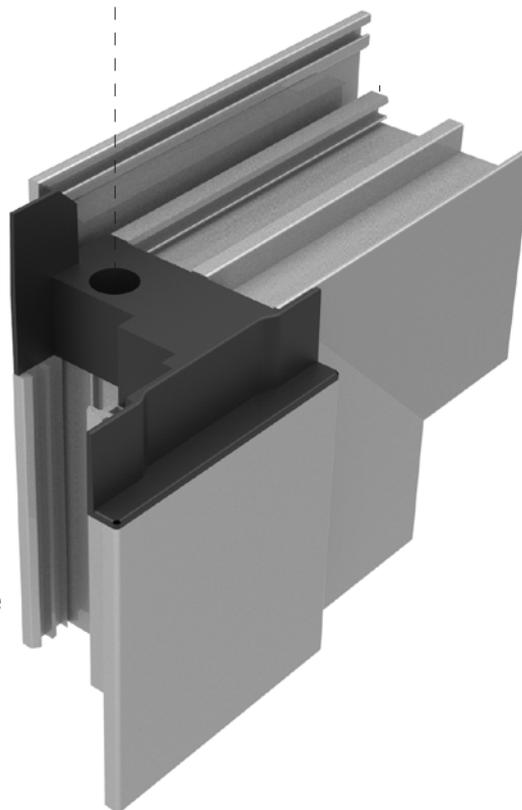


Prima di montare il tappo di riporto centrale occorre sigillare le zone evidenziate nel disegno

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



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



ACP 5083

Nel caso di versione giunto aperto, dopo aver inserito il tappo ACP5079, accostare la pinna centrale incollando la zona di contatto

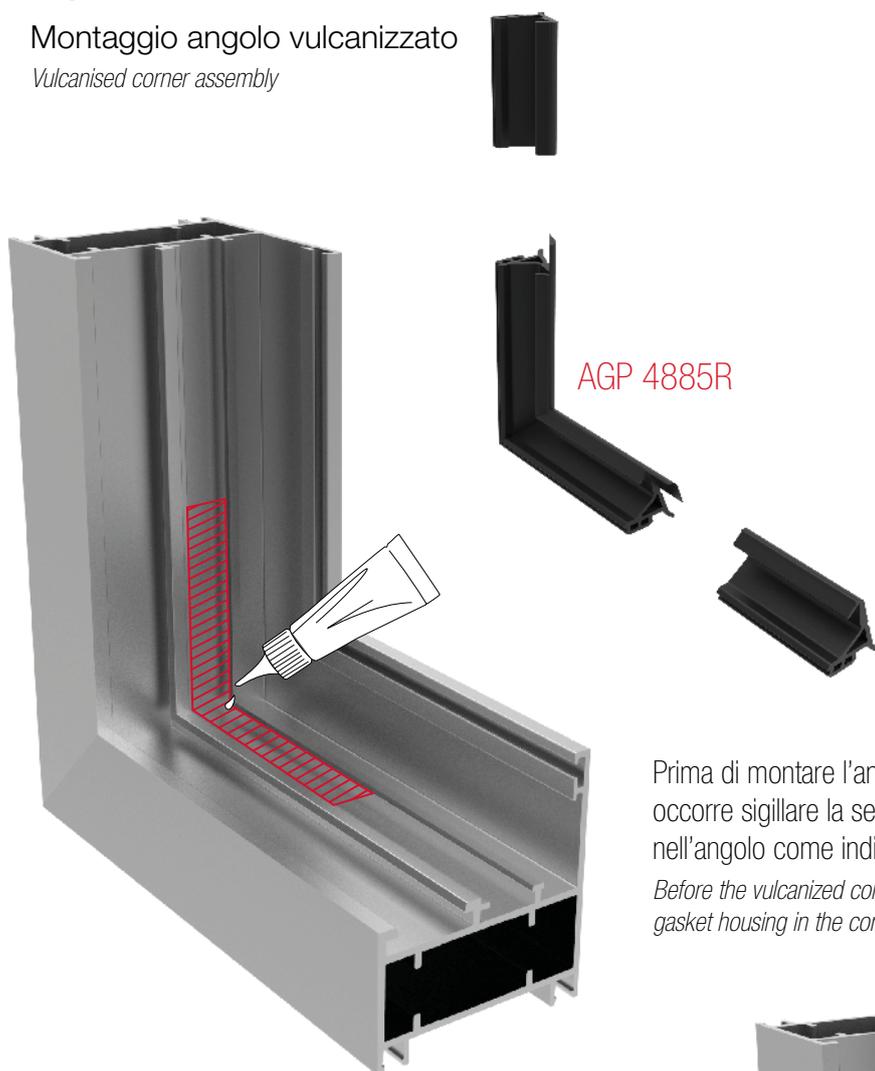
*In open joint solution, glue the central fins' contact area after fitting the cap ACP5079*



## M3

### Montaggio angolo vulcanizzato

*Vulcanised corner assembly*

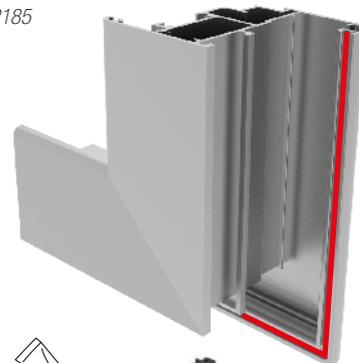


AGP 4885R

#### 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 62185*



AGP 4085

inserire la guarnizione nella sede appropriata (indicata in rosso)

*insert the gasket in the correct position*

Prima di montare l'angolo vulcanizzato occorre sigillare la sede della guarnizione nell'angolo come indicato in figura

*Before the vulcanized corner assembly, seal the gasket housing in the corner*

Dopo aver montato l'angolo vulcanizzato accostare la pinna incollando la zona di contatto

*After the vulcanized corner assembly, place the fin gluing the contact area*



AGP 4501R

Sul traverso inferiore del telaio praticare un cordolo di sigillante sotto la guarnizione centrale e per tutta la lunghezza del traverso

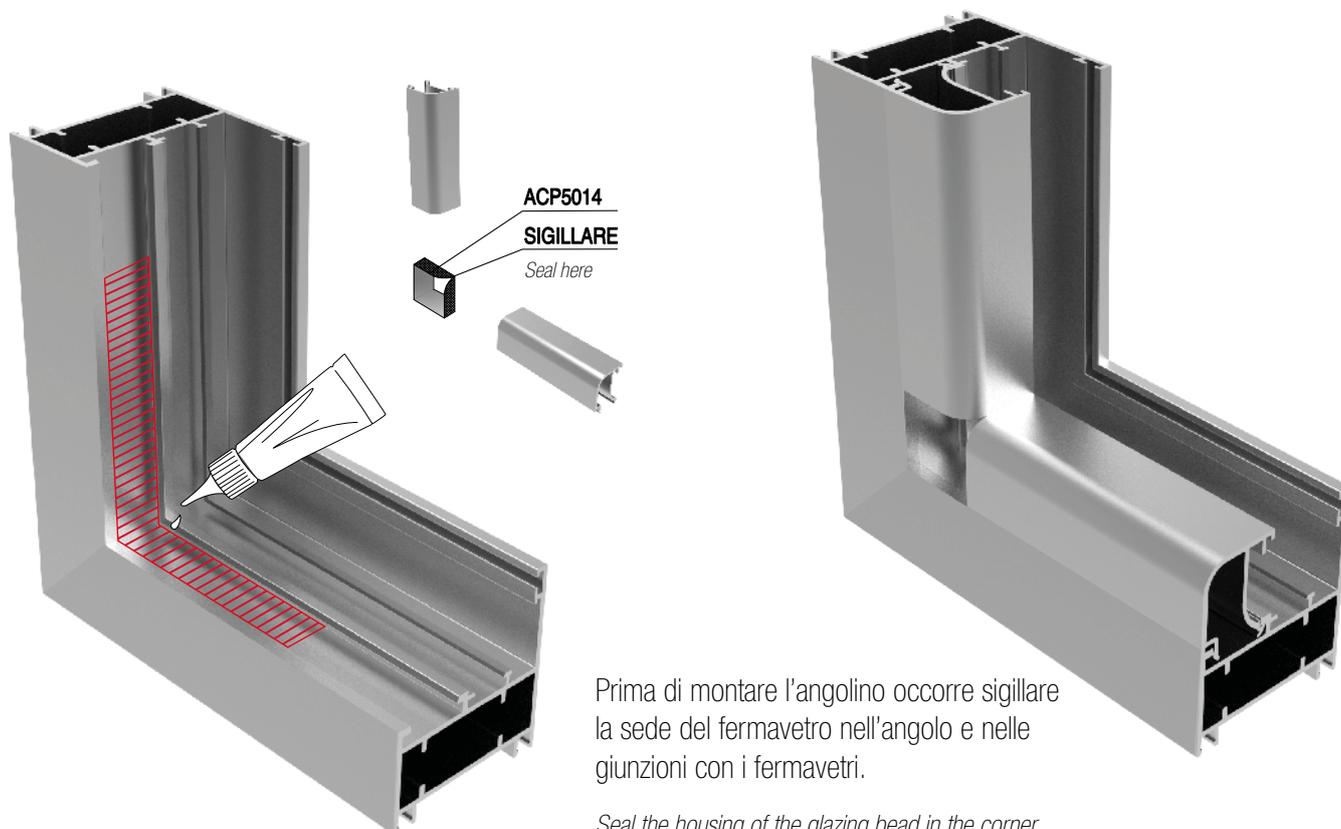
*Make a sealing bead under the central gasket along the whole length of the sill transom frame*



## M4

### Montaggio angolino fermavetri ACP 5014

*Glazing bead corner assembly*



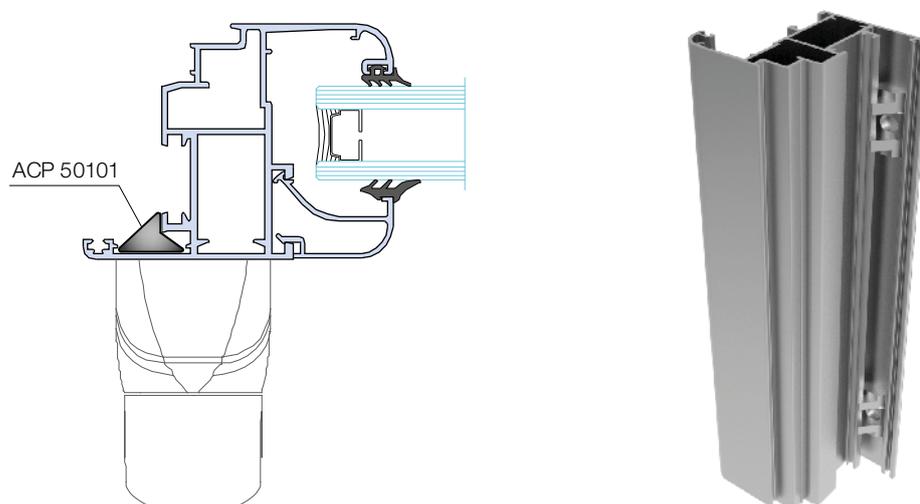
Prima di montare l'angolino occorre sigillare la sede del fermavetro nell'angolo e nelle giunzioni con i fermavetri.

*Seal the housing of the glazing bead in the corner and the joints with the glazing beads before the corner assembly*

## M5

### Montaggio piastrino antirollio cremonese Aurora ACP 50200

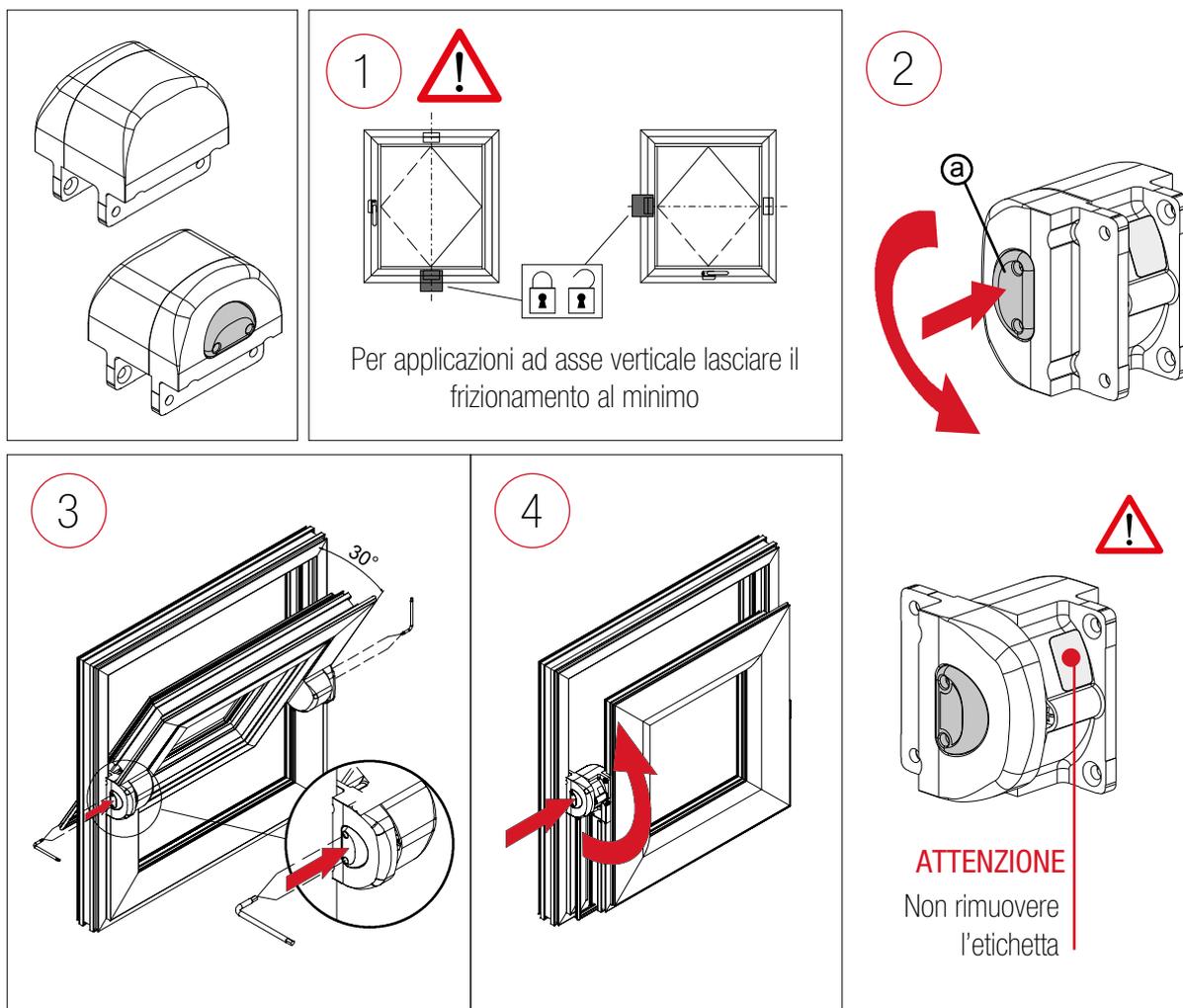
*Anti-roll plate for Aurora cremonese ACP 50200 handel assembly*



## M6

### Montaggio frizione bilico con fermo ACP 5091M

ACP 5091M pivot clutch with stop assembly



La frizione può essere applicata sia su finestre a bilico verticale che orizzontale: in caso di bilico orizzontale stabilire su quale lato dell'infisso (destra o sinistra) si desidera posizionare la frizione con blocco. In caso di bilico verticale, la frizione con blocco dovrà essere posizionata sul lato inferiore (1).

### **A) Apertura e Chiusura dell'anta:**

- Impiegando la frizione è possibile aprire l'anta fino ad un angolo di 30°. Sarà possibile aprire l'anta semplicemente spingendola in avanti; arrivata a 30° gradi troverà il fine corsa. Questa è la posizione di areazione e di ricambio d'aria (3).

- Nel caso l'utente finale voglia aprire l'anta di un angolo maggiore di 30° è necessario spingere il pulsante blocco/sblocco (3) posto su una delle due frizioni.

- Quando l'anta sarà ruotata di 180° il pulsante di "blocco /sblocco" bloccherà automaticamente l'anta in questa posizione.

- Per portare l'anta in posizione di chiusura l'utente dovrà spingere nuovamente il pulsante di "blocco/sblocco" (4).

### **B) Frizionamento dell'apertura:**

La frizione (sia il pezzo con pulsante che il pezzo senza) consente di impostare la forza necessaria per aprire e chiudere l'anta tramite due viti di frizionamento poste su entrambi i pezzi della coppia (3). Il frizionamento delle due frizioni deve essere uniforme in modo che la forza di attrito sia equamente ripartita tra i due pezzi.

### **NOTA BENE**

Per applicazioni ad asse verticale lasciare il frizionamento al minimo.

*The clutch can be fitted to both vertical and horizontal pivot windows:*

*if installing a horizontal window, identify on which side of the unit (RH or LH) you wish to install the block with release button.*

*If installing a vertical window, the block with release button must be installed at its base (1).*

### **A) Opening and closing the window:**

*- The Techclutch enables the window to be*

*opened up to 30°. To open the window, simply push it forwards; once it has arrived at 30° it stops opening. This is the ventilation and fresh air position (3).*

*- If you wish to open the window more than 30°, push the button (3) on the release block.*

*- When the window is opened to 180°, the release button automatically secures the window in this position. This is a safety feature, since it prevents the window closing unexpectedly and causing damage or injury. Furthermore, it facilitates cleaning the external pane since the window is secured in position.*

*- To close the window, press the release button once more (4).*

### **B) Force adjustment**

*The clutch (both blocks) allows you to set the force required to open and close the window with the friction adjuster screws on each block (3).*

*The two blocks must be set to the same force setting so that they both exert the same friction.*

### **ATTENTION**

*For vertical axis installations, leave the friction setting at its minimum.*



**FASE 1:** Verificare, sulle tabelle delle portate, che l'infisso che si vuole realizzare rispetti le dimensioni e le portate consentite, a seconda che si debba realizzare una finestra a bilico orizzontale o verticale.

**FASE 2:** Eseguire le lavorazioni sui profili di riporto utilizzata.

**FASE 3:** Montare le piastre di fissaggio D sul telaio mediante le viti autofilettanti B (fig. 1) e le piastre di fissaggio E sull'anta mediante le viti autofilettanti A (fig. 2), facendo coincidere il centro della piastra con la mezzeria dell'infisso. Usare le piastre come dima per la realizzazione dei fori per le viti di fissaggio.

**FASE 4:** Ruotare di 180° i due corpi frizione (fig. 3). Per ruotare la frizione con blocco occorre premere il pulsante di sblocco (a).

**FASE 5:** Montare i due gruppi frizione sull'anta mediante le quattro viti C di M5x12. Posizionare l'anta sul telaio (fig. 4) e fissare le frizioni alle piastre del telaio utilizzando le altre 4 viti C di M5x12 in dotazione.

**FASE 6:** Premere il pulsante di sblocco della frizione e portare l'anta in posizione di chiusura, ruotandola di 180°.

## SETTAGGIO DEL FRIZIONAMENTO

Utilizzando l'apposita chiave a brugola di 3mm in dotazione alla frizione, regolare uniformemente le quattro viti di registrazione delle frizioni, raggiungibili attraverso gli appositi fori presenti nei pulsanti di sblocco.

## NOTA BENE

Per applicazioni ad asse verticale lasciare il frizionamento al minimo.

**STEP 1:** Check that the window you are installing is within the specified load capacity and dimensions, which will also depend on whether it is a vertical or horizontal pivot window.

**STEP 2:** Machine the additional profiles to match the series of profiles in question as shown in page 1.

**STEP 3:** Fit the D securing plates to the frame by means of the B self-threading screws (pic. 1) and the E securing plates to the sash by means of the A self-threading screws (pic. 2), with the centre of the plates aligned with the centre line of the window. Use the plates as a template to drill the mounting screws holes.

**STEP 4:** Rotate the two clutch bodies by 180° (pic. 3) To rotate the clutch, press the release button (a).

**STEP 5:** Fit the two clutch units to the window sash, by means of the 4 C screws M5x12. Locate the sash to the frame (pic. 4) and secure the clutches to the frame plates using the other 4 provided M5x12 screws.

**STEP 6:** Press the clutch release button and move the sash to the closed position by rotating it through 180°.

## FRICITION ADJUSTMENT

Use the 3mm hex key provided with the clutch to set the four friction adjuster screws, through the holes in the release buttons.

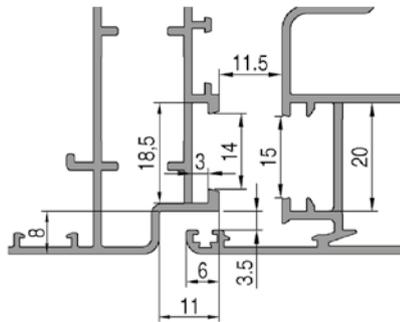
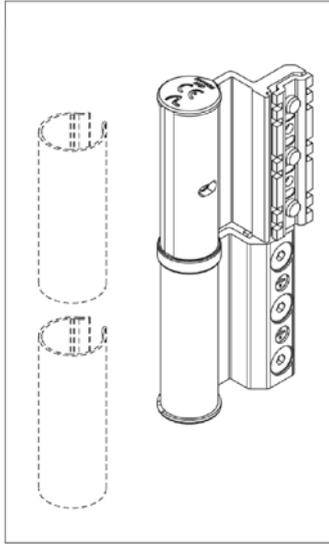
## ATTENTION

For vertical-axis applications, leave the clutch at the minimum.

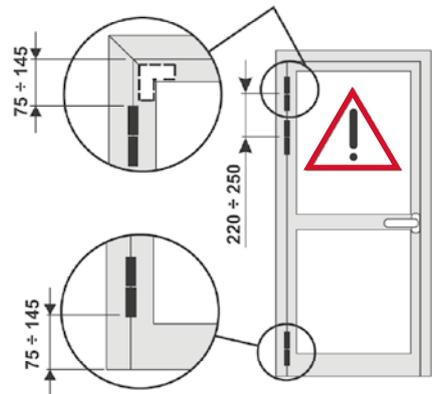
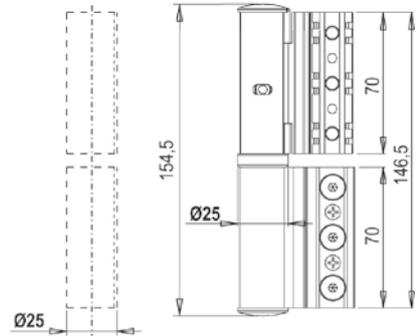
# M7

## Applicazione cerniere strong ACP 9938 per telai complanari interni

Hinge ACP 9938 for internal complanar frames assembly



PROFILI PL 20102 + PL 2337



|             |   |                  |    |
|-------------|---|------------------|----|
| CE          | Alsistem s.c.r.l.<br>Via G. Reiss Romoli, 267<br>10148 Torino Italy |                  | 11 |
|             | 0757  | BPR-229-11-009   |    |
| EN1935:2002 |   | 3 7 4 0 1 4 1 11 |    |

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    | 1    | 0,85 | 0,76 | 0,70 | 0,65 | 0,61 | 0,59 |      |      |
| 2200 | 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    | 0,85 | 0,75 | 0,68 | 0,64 | 0,60 | 0,57 | 0,55 |      |      |
| 2000 | 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    | 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    |      |      |
|      | L | 600                                   | 700  | 800  | 900  | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
|      |   | Larghezza anta (mm) - Wing width (mm) |      |      |      |      |      |      |      |      |      |      |      |      |

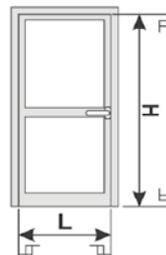
**PORTATE MASSIME - MAXIMUM LOADS**

|               |               |               |
|---------------|---------------|---------------|
|               |               |               |
| <b>100 kg</b> | <b>120 kg</b> | <b>100 kg</b> |

**CON FRENO IN APERTURA  
WITH OPENING BRAKE**

|              |
|--------------|
|              |
| <b>70 kg</b> |

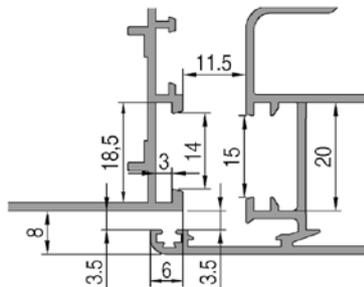
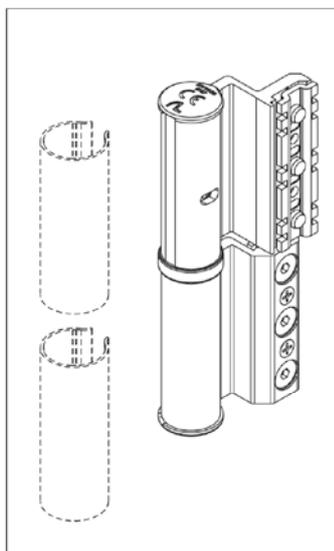
**X** Dimensioni non realizzabili  
Not possible dimensions



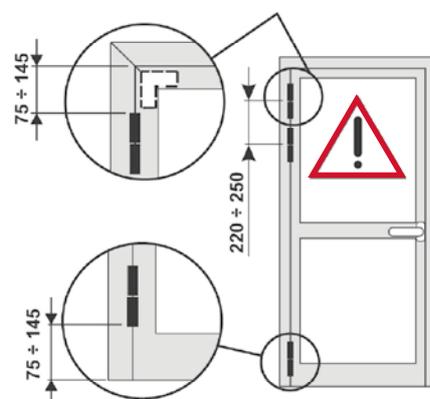
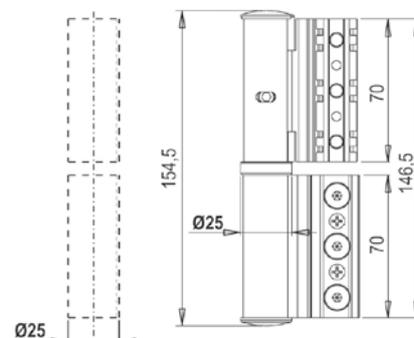
## M8

### Applicazione cerniere strong ACP 9918 per telai piani

Hinge ACP 9918 for flat frames assembly



PROFILI PL 2033 + PL 2337



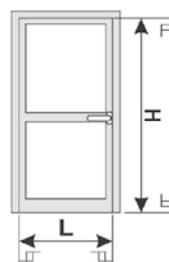
|             |                |   |                |
|-------------|----------------|---|----------------|
| <b>CE</b>   |                | Alsistem<br>s.c.r.l.<br>Via G. Reiss Romoli, 267<br>10148 Torino<br>Italy | 11             |
| 0757        | BPR-229-11-009 |   |                |
| EN1935:2002 |                | 4   | 7 6 0 1 4 1 13 |

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    | 1    | 0,91 | 0,80 | 0,72 | 0,67 | 0,63 | 0,59 | 0,57 |      |      |
| 2100 | 1        | 1                                     | 1    | 1    | 1    | 0,85 | 0,75 | 0,68 | 0,64 | 0,60 | 0,57 | 0,55 |      |      |
| 2000 | 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    | 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    |      |      |
|      | <b>L</b> | 600                                   | 700  | 800  | 900  | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
|      |          | Larghezza anta (mm) - Wing width (mm) |      |      |      |      |      |      |      |      |      |      |      |      |

| PORTATE MASSIME - MAXIMUM LOADS |   |               |
|---------------------------------|---|---------------|
|                                 |   |               |
| <b>120 kg</b>                   | <b>150 kg</b>                                       | <b>120 kg</b> |
|                                 | <b>CON FRENO IN APERTURA<br/>WITH OPENING BRAKE</b> |               |
| <b>80 kg</b>                    |   |               |

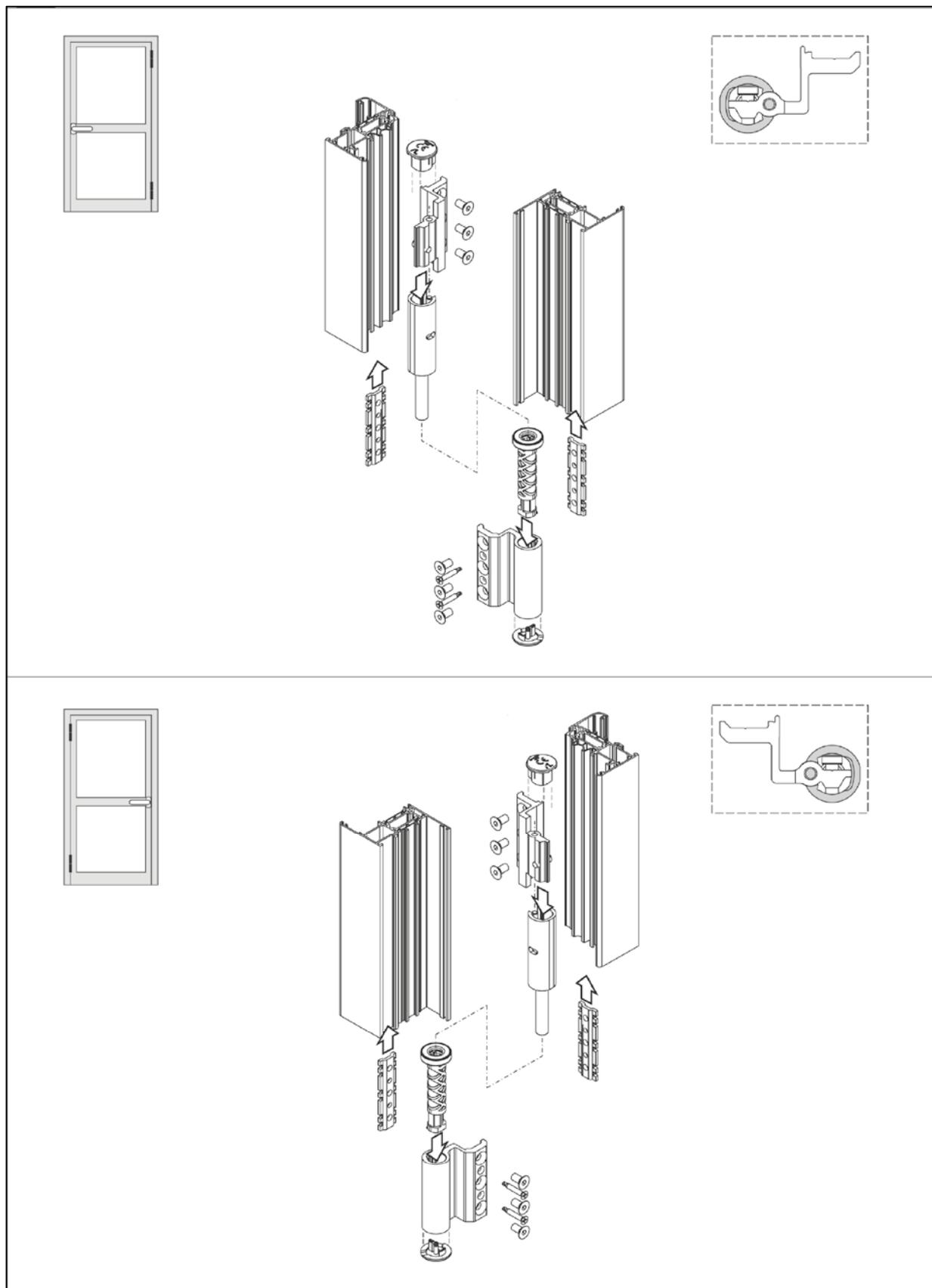
**X** Dimensioni non realizzabili  
Not possible dimensions



## M9

### Applicazione cerniere strong

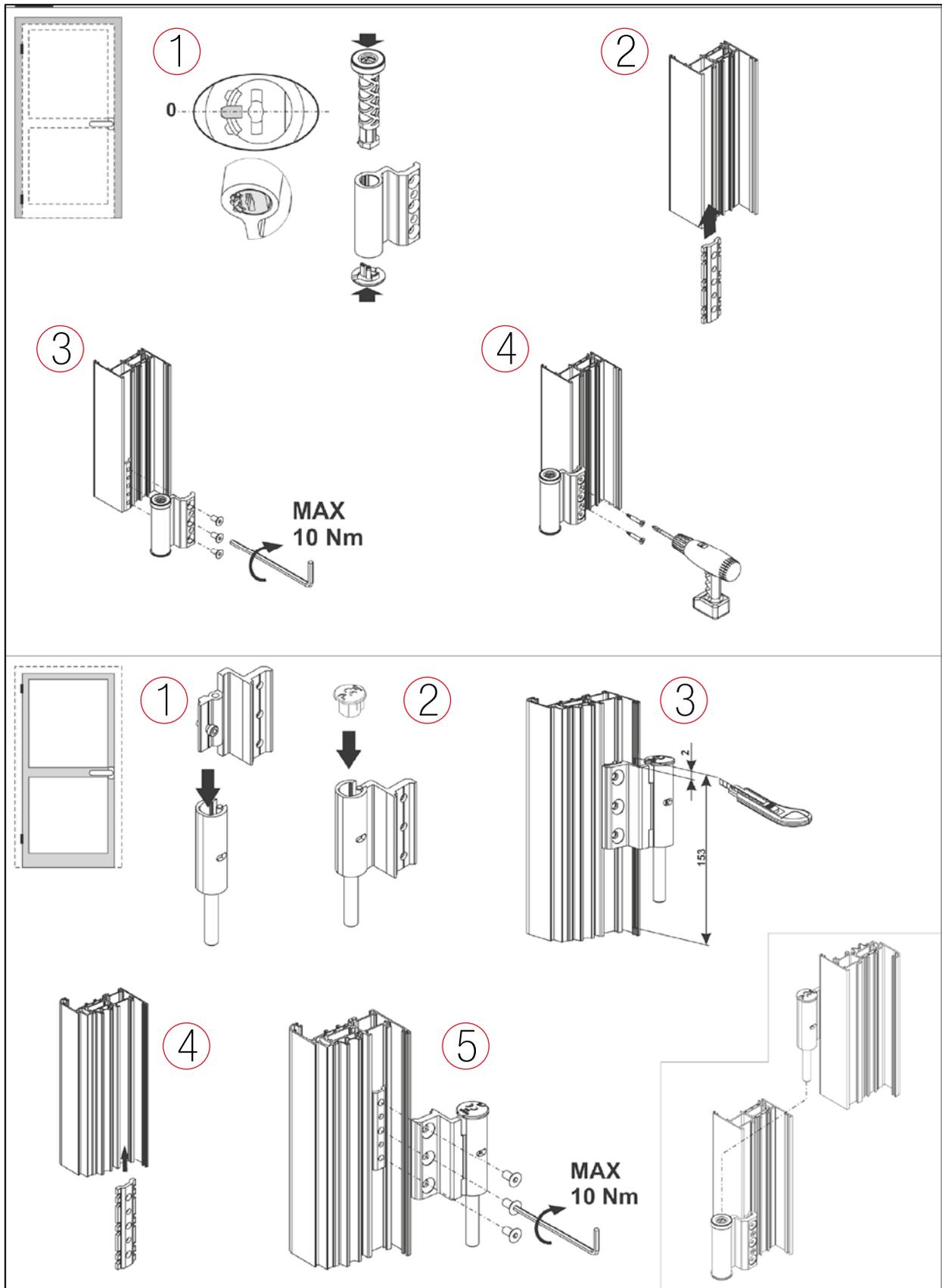
*Strong hinge assembly*



## M10

### Applicazione cerniere strong

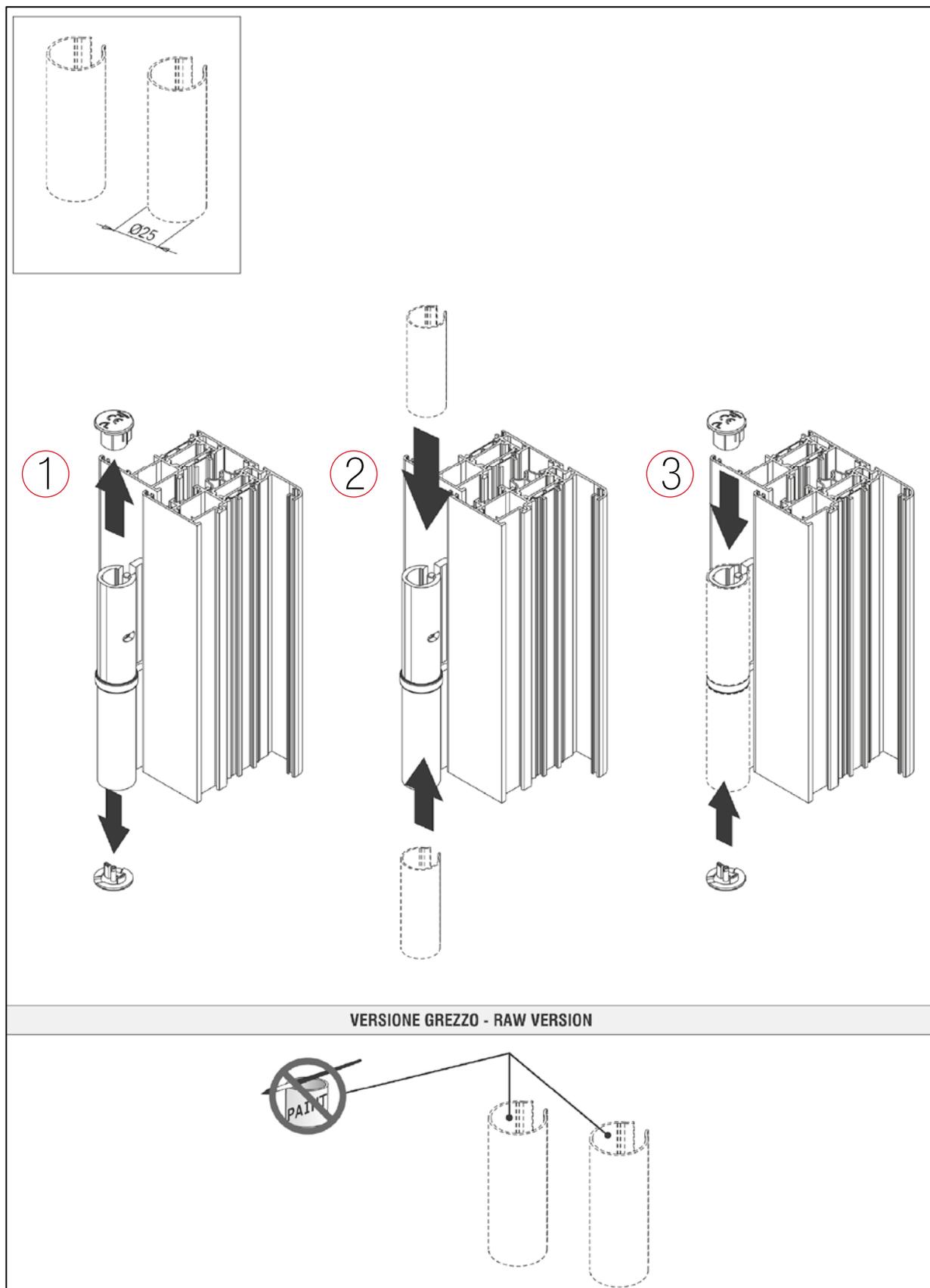
*Strong hinge assembly*



## M11

### Applicazione cover universale ACP 99124 per cerniere strong

Universal cover ACP 99124 assembly for Strong hinges

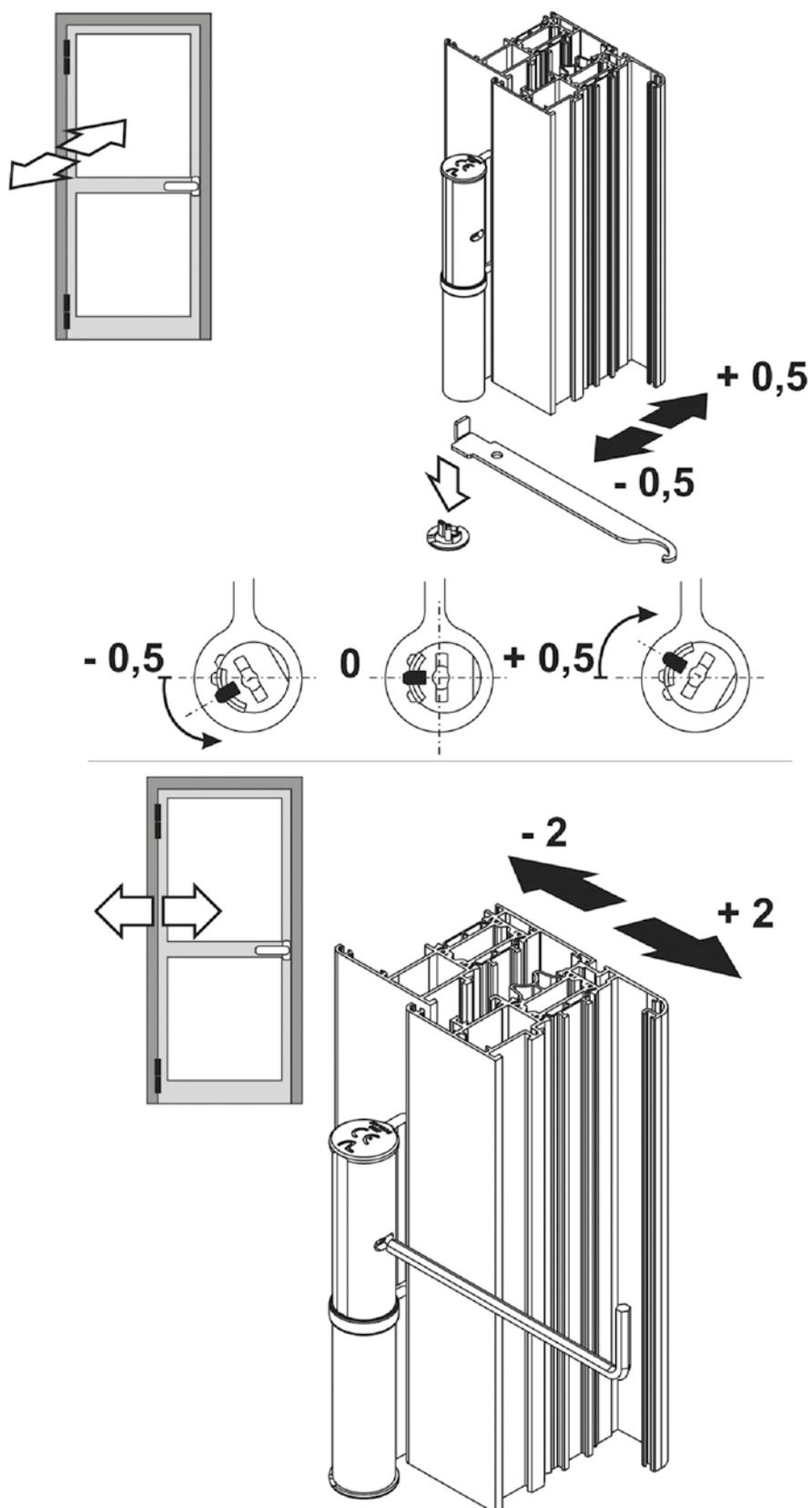




## M13

Utilizzo chiave di regolazione ACP 99126 per cerniere strong

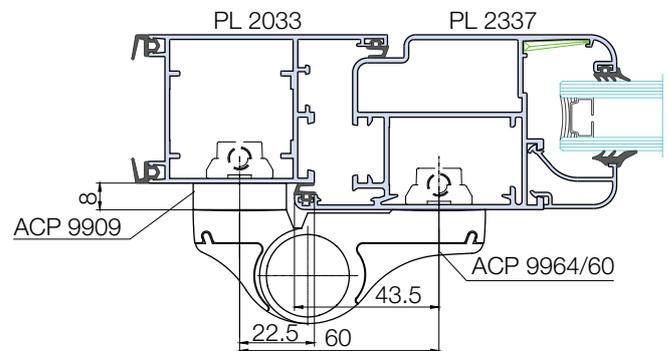
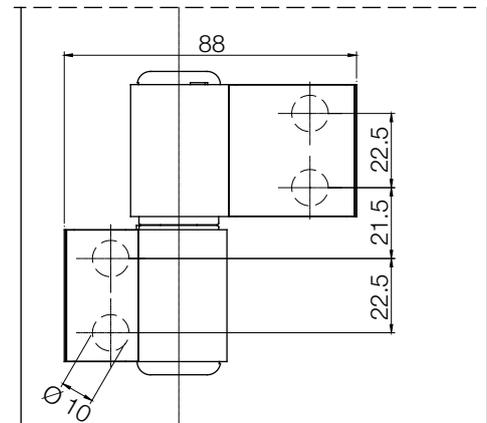
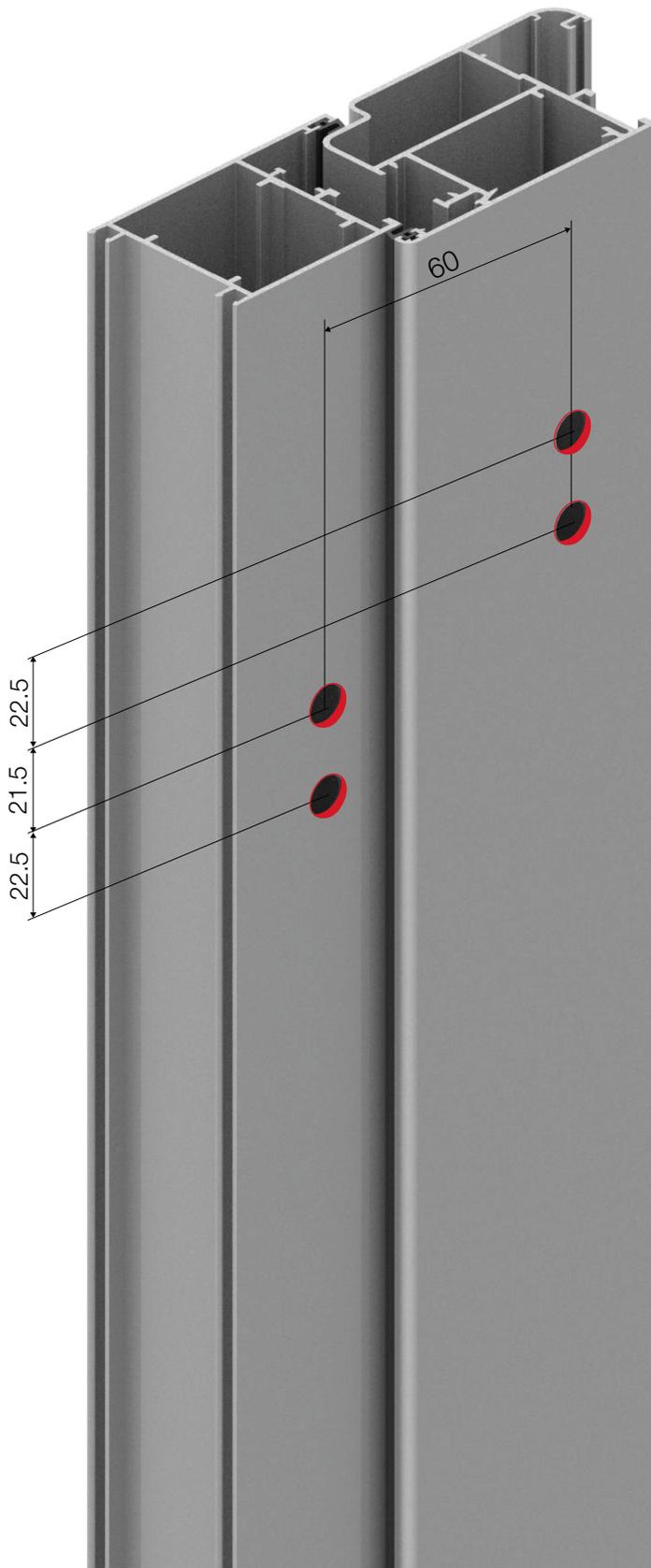
*ACP 99126 adjustment key using for Strong hinges*



## M14

Applicazione cerniere frontali ACP 9964/60 interasse 60mm

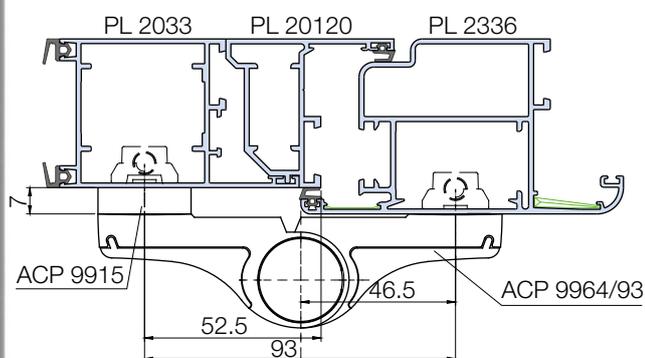
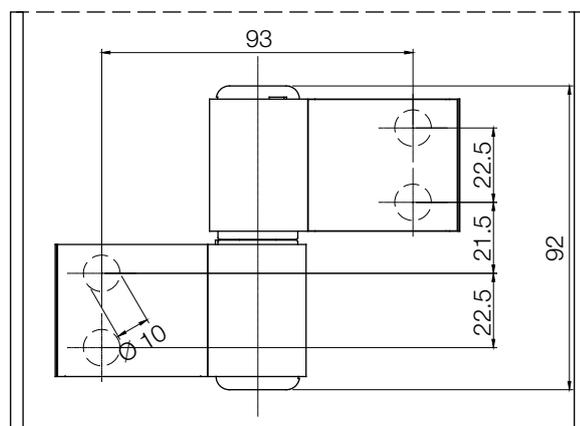
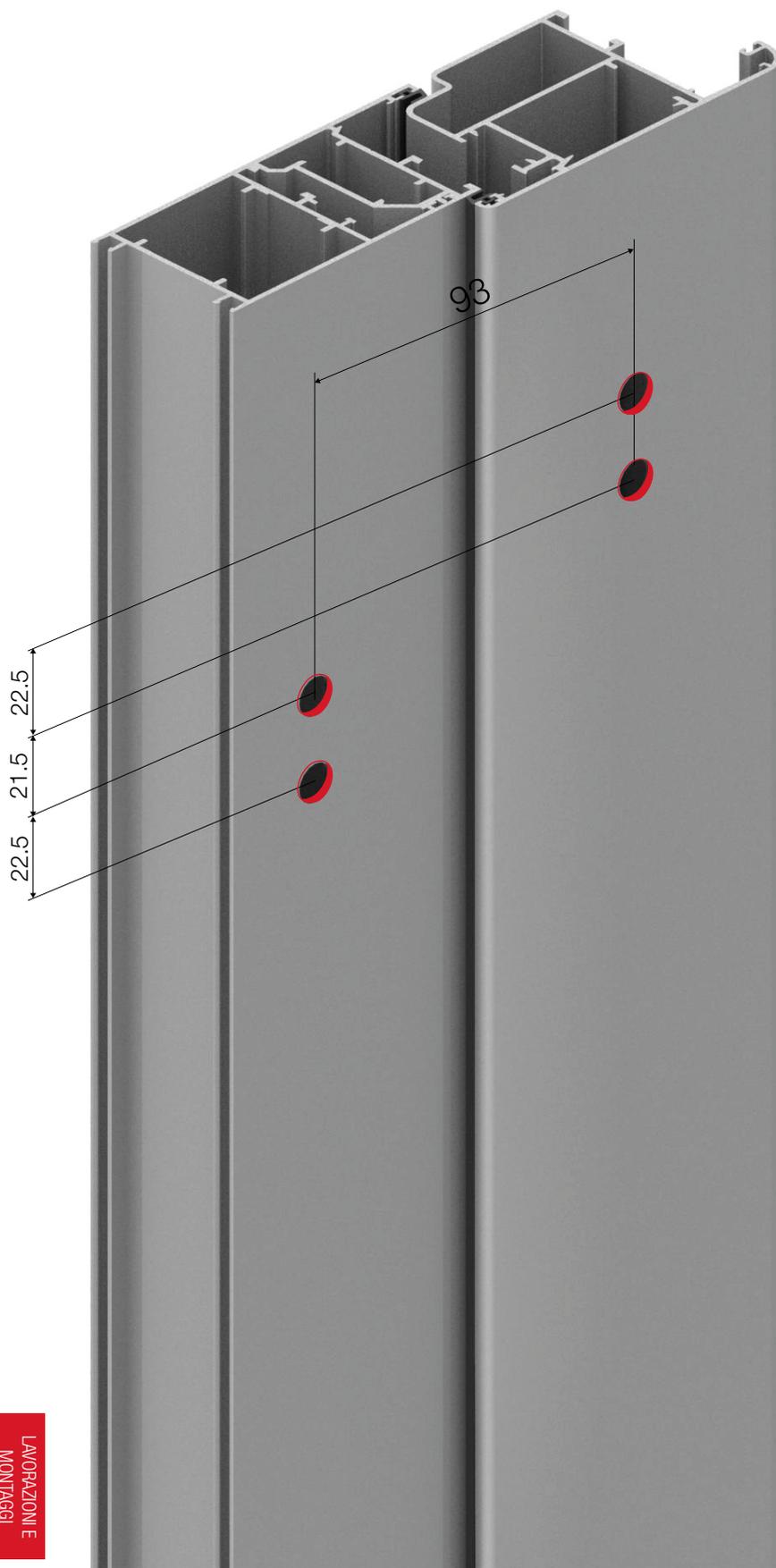
Front hinges ACP 9964/60 application, centre distance 60mm



# M15

Applicazione cerniere frontali ACP 9964/93 interasse 93mm

Front hinges ACP 9964/93 application, centre distance 93mm

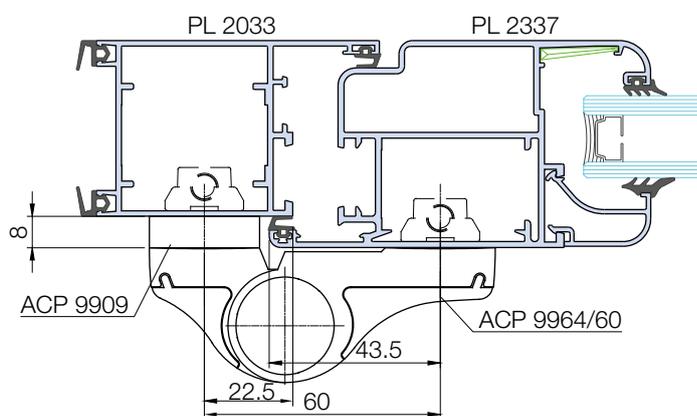
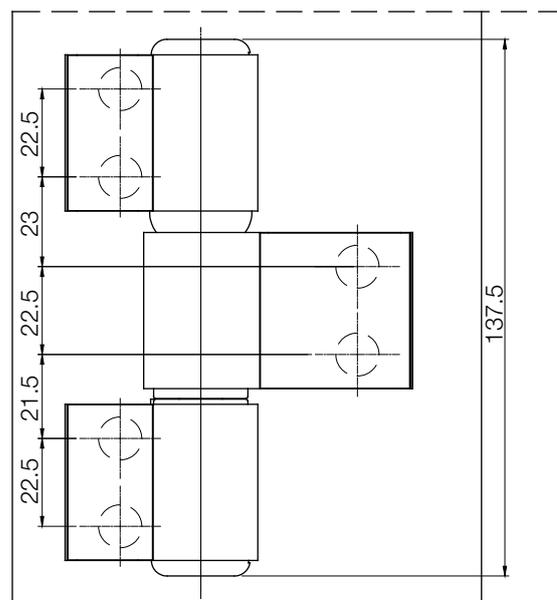
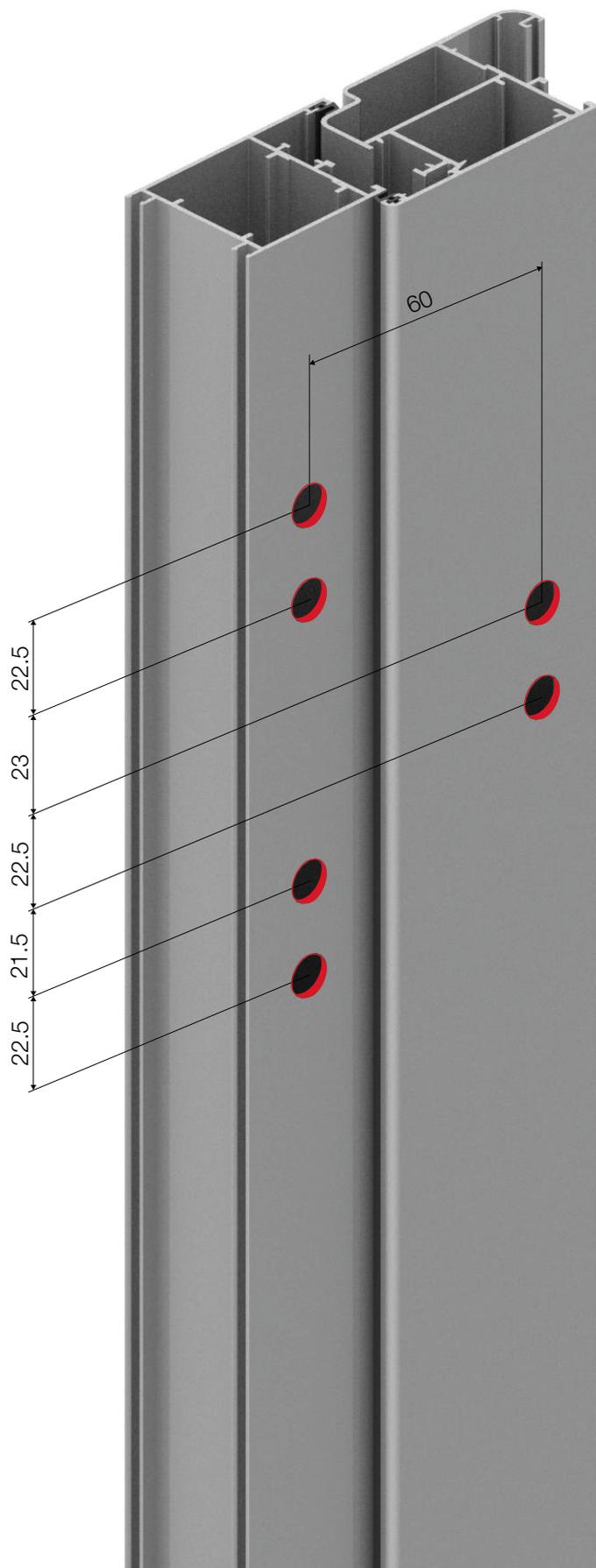


LAVORAZIONI E MONTAGGI  
Working and assembly

## M16

Applicazione cerniere frontali ACP 9963/60 interasse 60mm

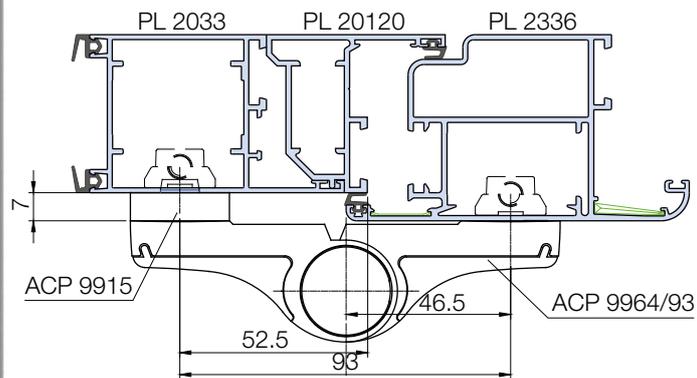
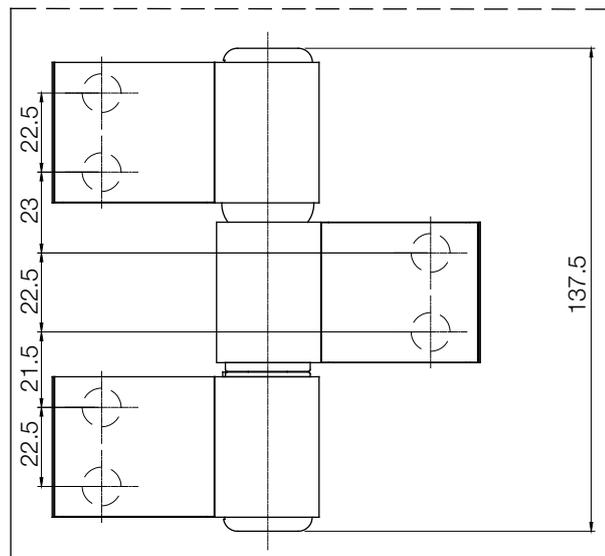
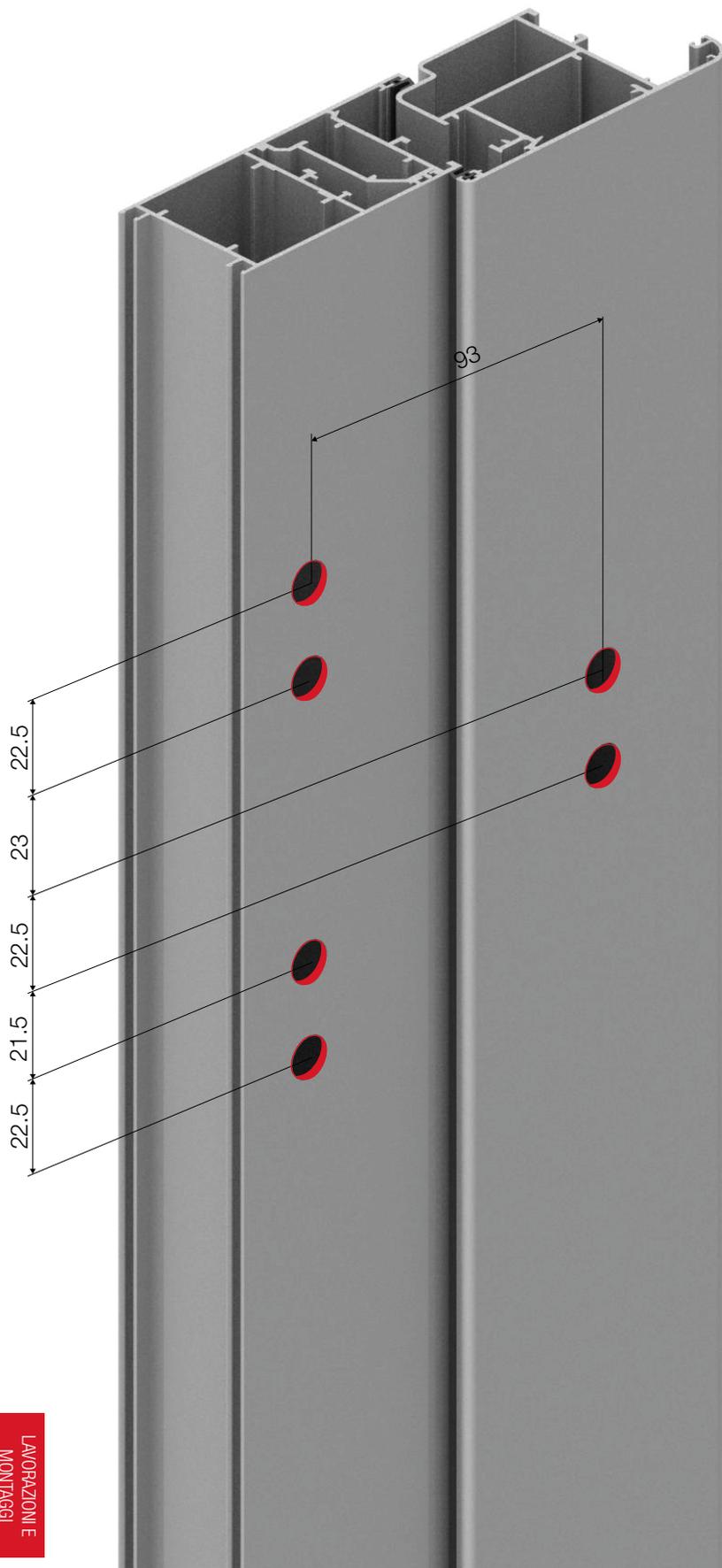
Front hinges ACP 9963/60 application, centre distance 60mm



# M17

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

Front hinges ACP 9963/93 application, centre distance 93mm



## M18

### Montaggio SECRET anta a ribalta

SECRET tilt & turn hinge assembly

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

Maximum wing weight (aluminium and glass)

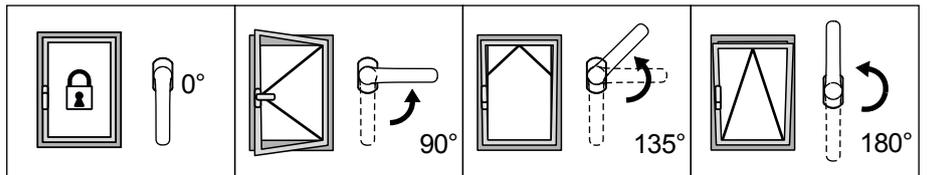
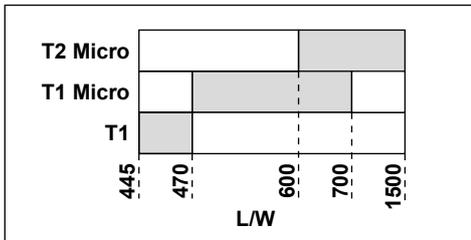
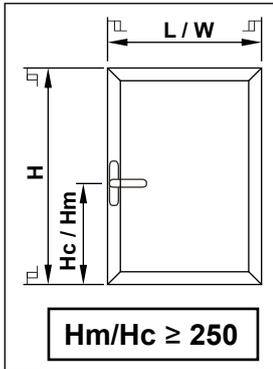
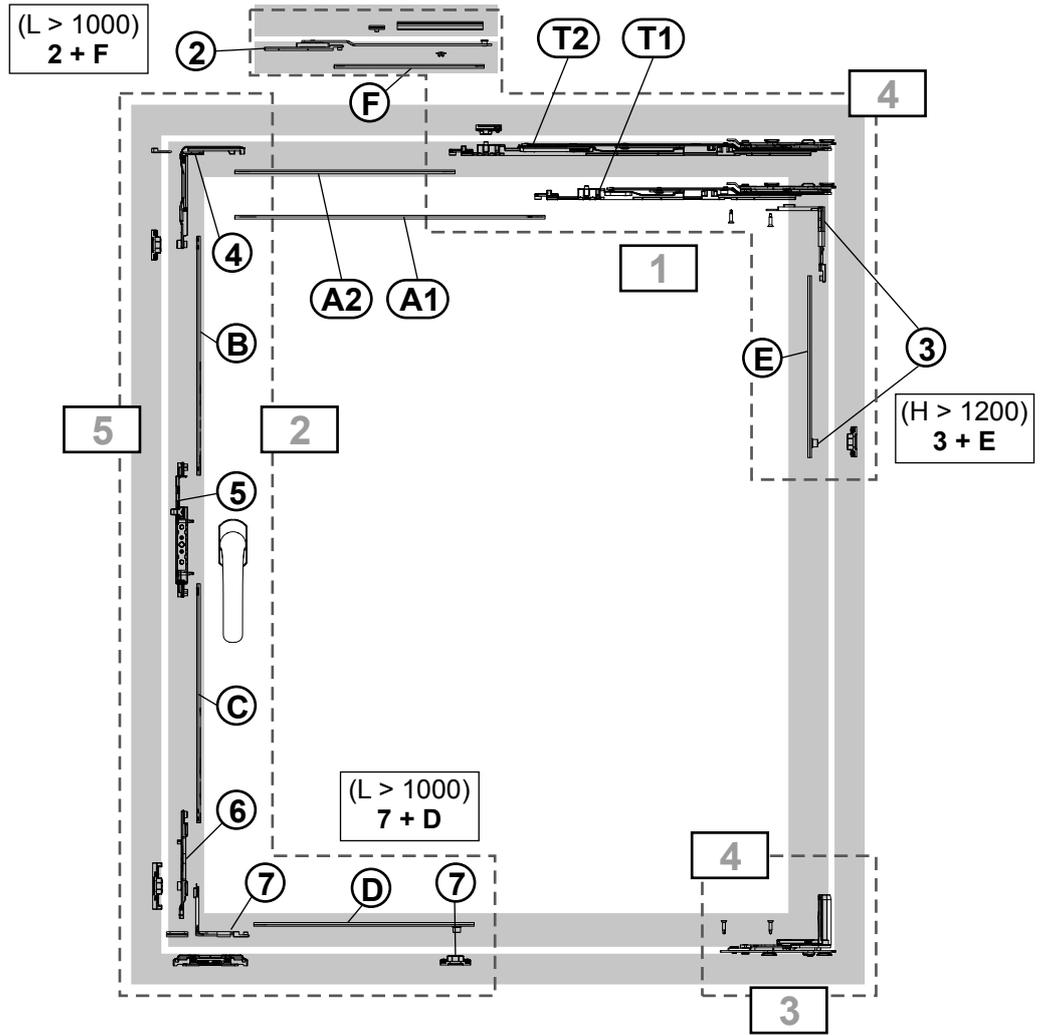
|                                       |      |  |     |     |     |     |      |      |      |      |      |      |
|---------------------------------------|------|--|-----|-----|-----|-----|------|------|------|------|------|------|
| Altezza anta (mm)<br>Wing height (mm) | 2500 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 100  | 100  | 100  | 100  |
|                                       | 2400 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 100  | 100  | 100  | 100  |
|                                       | 2300 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 100  | 100  | 100  | 100  |
|                                       | 2200 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 100  | 100  | 100  | 100  |
|                                       | 2100 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 100  | 100  | 100  | 100  |
|                                       | 2000 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 100  | 100  | 100  | 100  |
|                                       | 1900 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 100  | 100  | 100  | 100  |
|                                       | 1800 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 100  | 100  | 100  | 100  |
|                                       | 1700 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 100  | 100  | 100  | 98   |
|                                       | 1600 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 100  | 100  | 99   | 92   |
|                                       | 1500 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 100  | 100  | 93   | 87   |
|                                       | 1400 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 100  | 93   | 87   | 81   |
|                                       | 1300 | 100                                    | 100 | 100 | 100 | 100 | 100  | 100  | 94   | 87   | 80   | 75   |
| 1200                                  | 100  | 100                                    | 100 | 100 | 100 | 100 | 95   | 87   | 80   | 74   | 69   |      |
| 1100                                  | 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                                   | 445  | 500                                    | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 |
|                                       |      | Larghezza anta (mm)<br>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)*



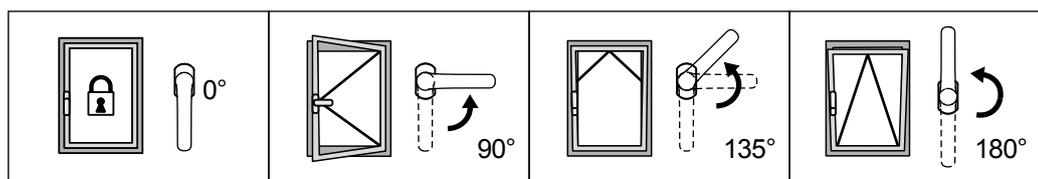
|      |     |  |     |  |     |  |      |   |
|------|-----|--|-----|--|-----|--|------|---|
| 2500 | A1  | A1=L-415<br>B=H-Hc-207<br>C=Hc-207<br>E=H/2-69 | A1  | A1=L-415<br>B=H-Hc-207<br>C=Hc-207<br>E=H/2-69 | A2  | A2=L-538<br>B=H-Hc-207<br>C=Hc-207<br>E=H/2-69 | F    | F=L-633<br>B=H-Hc-207<br>C=Hc-207<br>D=L/2-69<br>E=H/2-69 |
|      | B   |  | B   |  | B   |  | B    |   |
| 1200 | A1  | A1=L-415<br>B=H-Hc-207<br>C=Hc-207             | A1  | A1=L-415<br>B=H-Hc-207<br>C=Hc-207             | A2  | A2=L-538<br>B=H-Hc-207<br>C=Hc-207             | F    | F=L-633<br>B=H-Hc-207<br>C=Hc-207<br>D=L/2-69             |
|      | B   |  | B   |  | B   |  | B    |   |
| 600  | C   |  | C   |  | C   |  | C    |   |
|      | C   |  | C   |  | C   |  | C    |   |
|      | 445 | T1   | 470 | T1 Micro                                       | 700 | T2 Micro                                       | 1000 | T2 Micro  |
|      |     |  |     |  |     |  | 1001 |   |
|      |     |  |     |  |     |  | 1500 |   |

Sotto i 470mm non si può montare la microventilazione

*It's not possible to use microventilation for < 470mm*

Oltre i 1000mm occorre il braccio supplementare

*Usage additional arm for >1000mm*



**CHIUSA**

*Closed window*

**BATTENTE**

*Casement window*

**MICRO  
VENTILAZIONE**

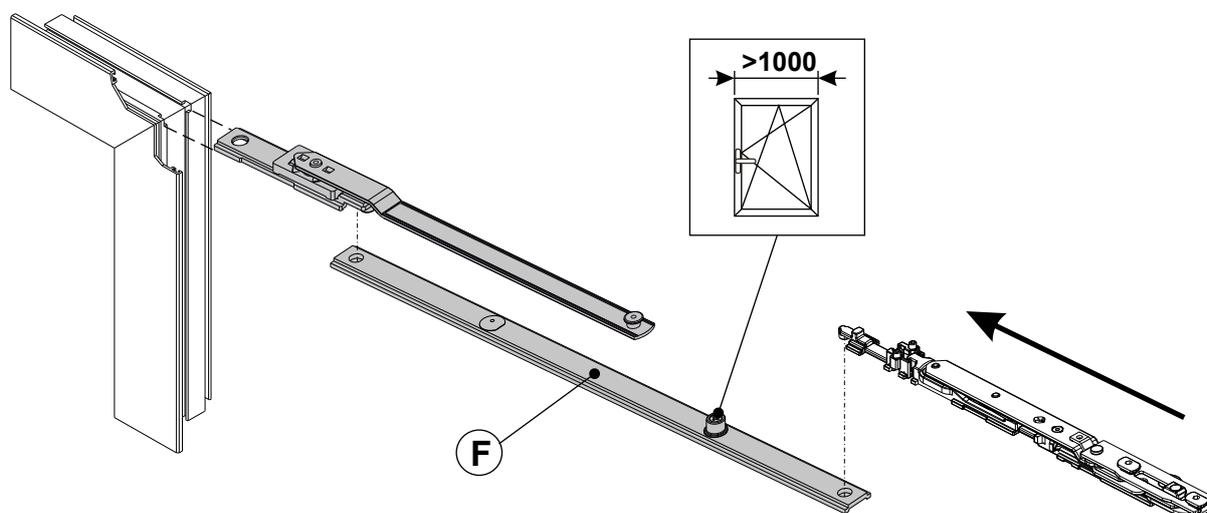
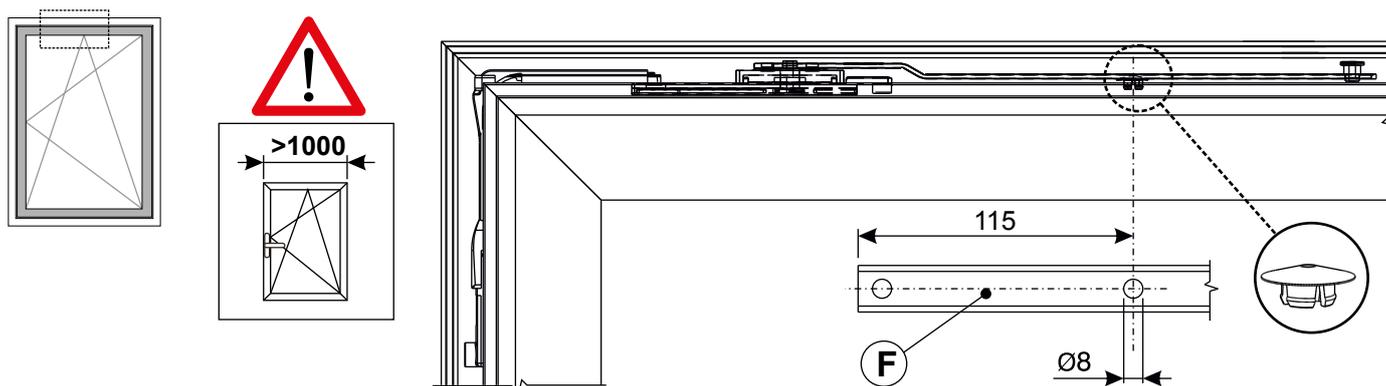
*Microventilation*

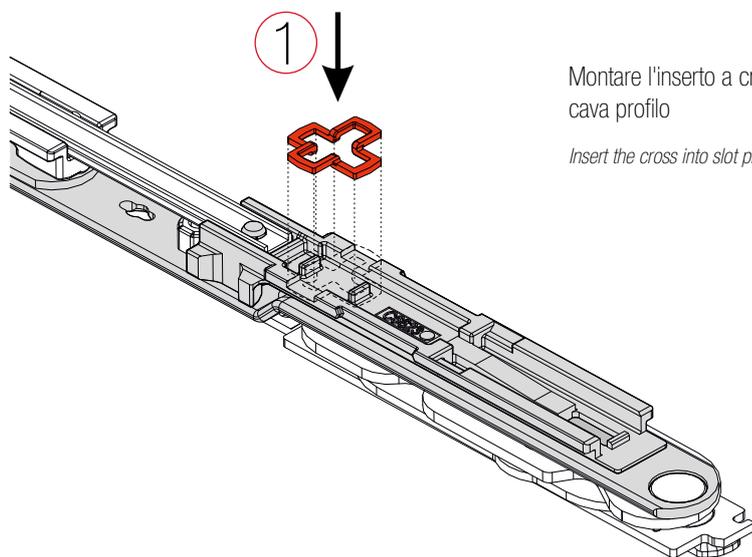
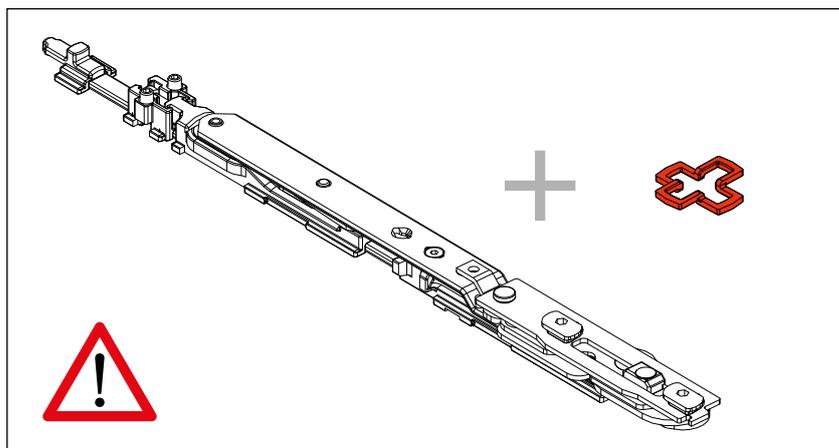
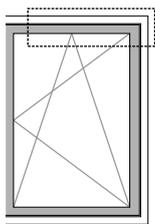
**ANTA A  
RIBALTA**

*Tilt & Turn window*

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

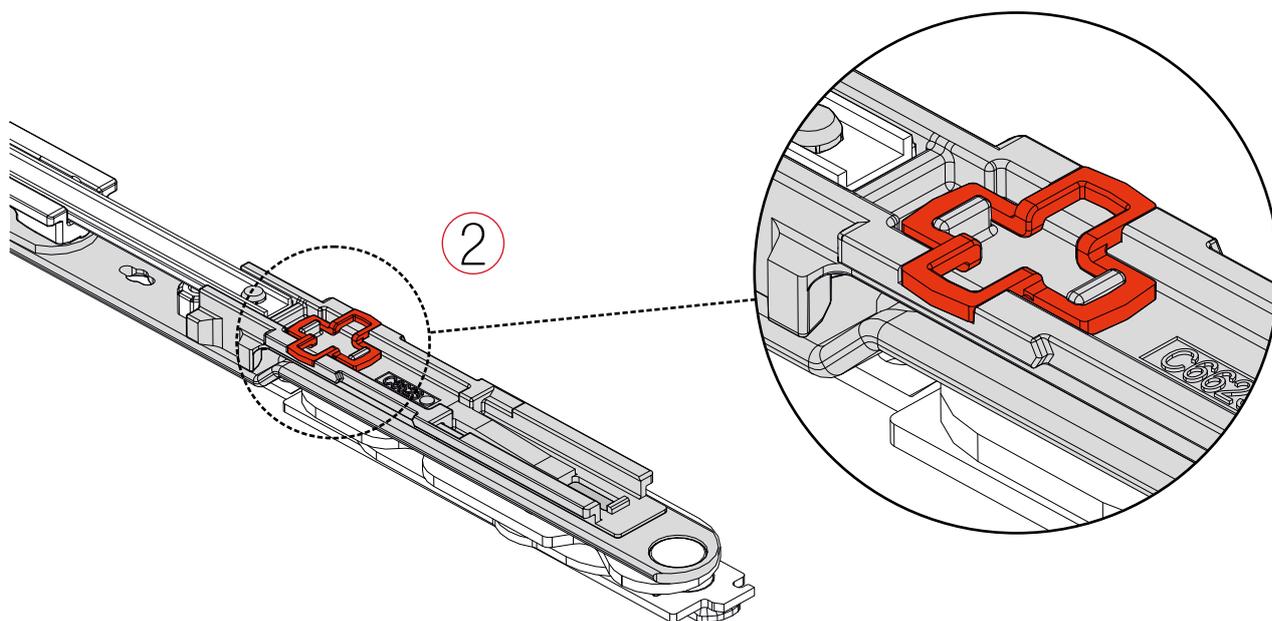
*Usage additional arm ACP 5153 for >1000m*

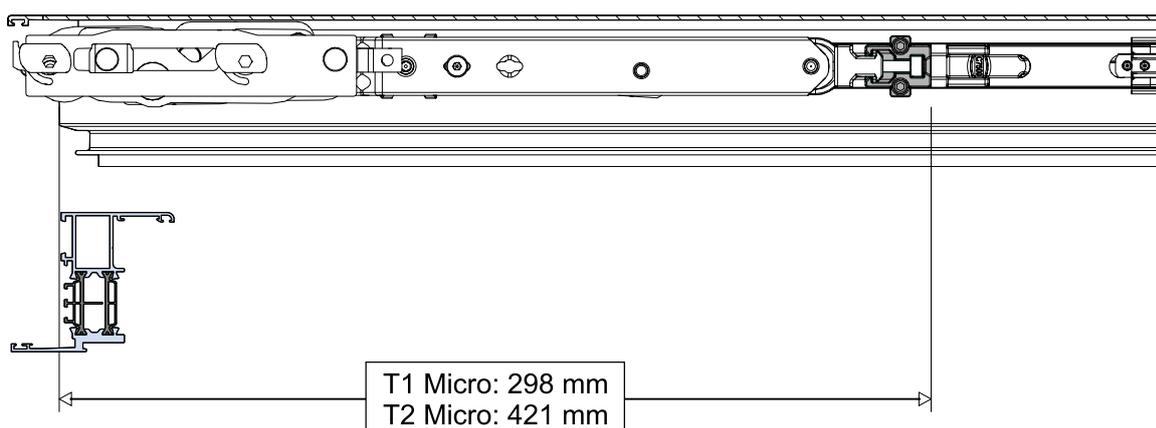
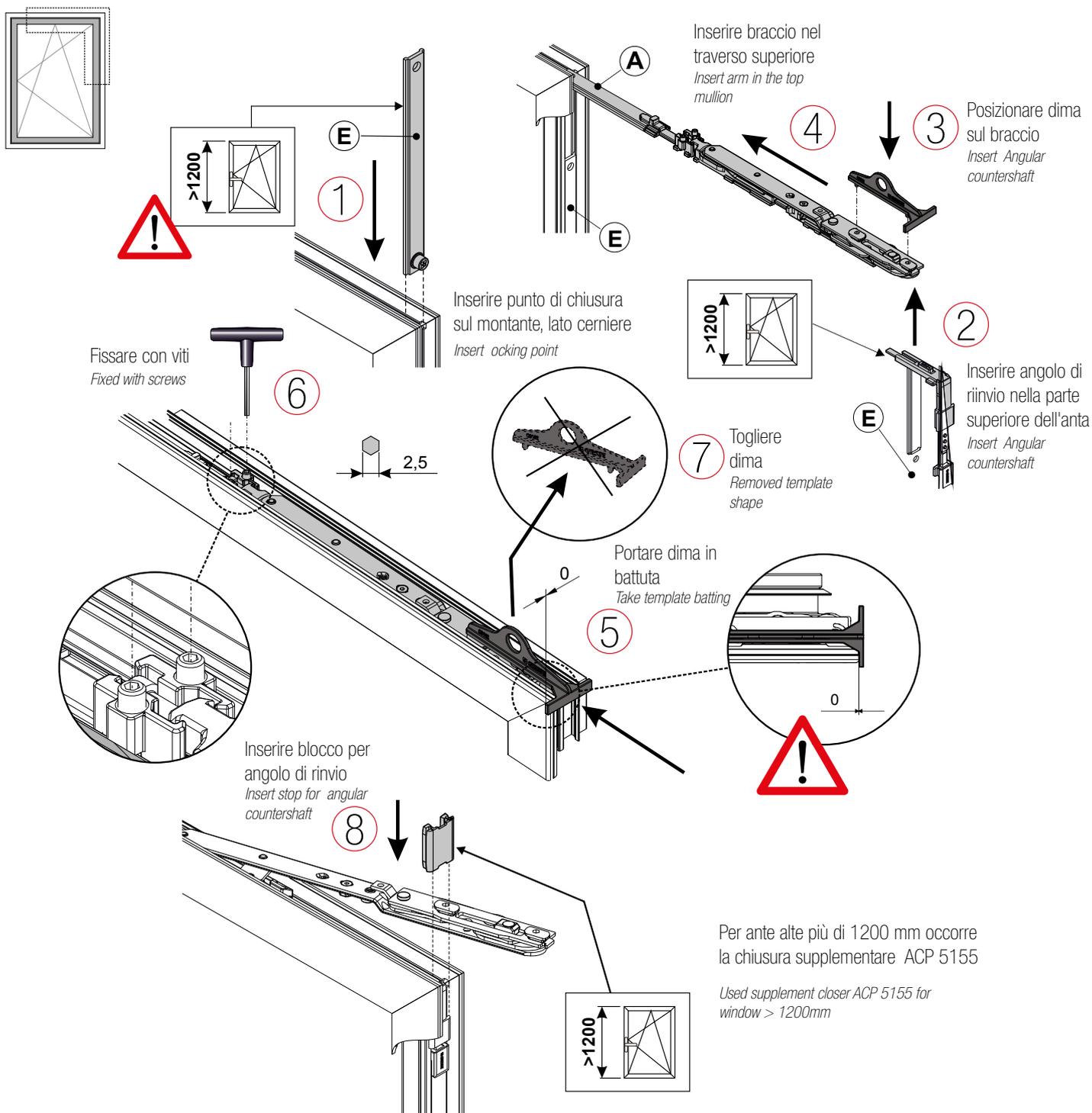




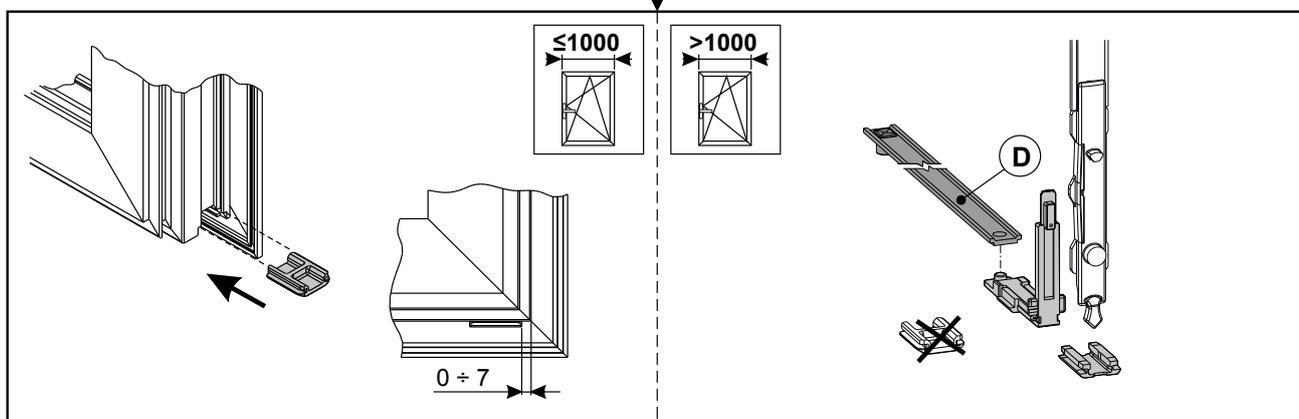
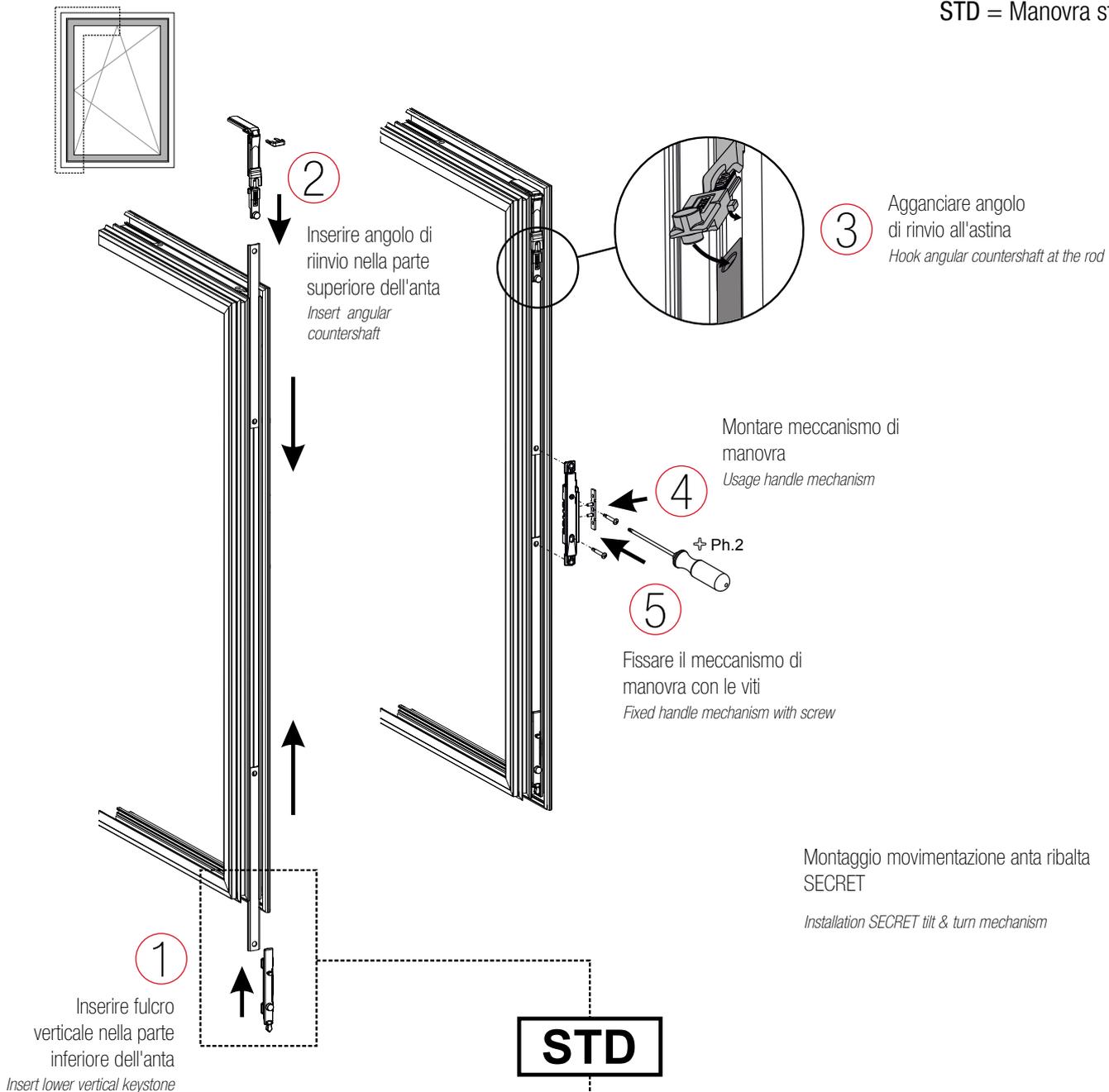
Montare l'inserto a croce prima di inserire il braccio per eliminare i giochi con la cava profilo

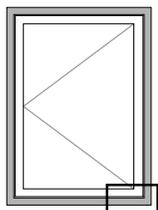
*Insert the cross into slot profile*



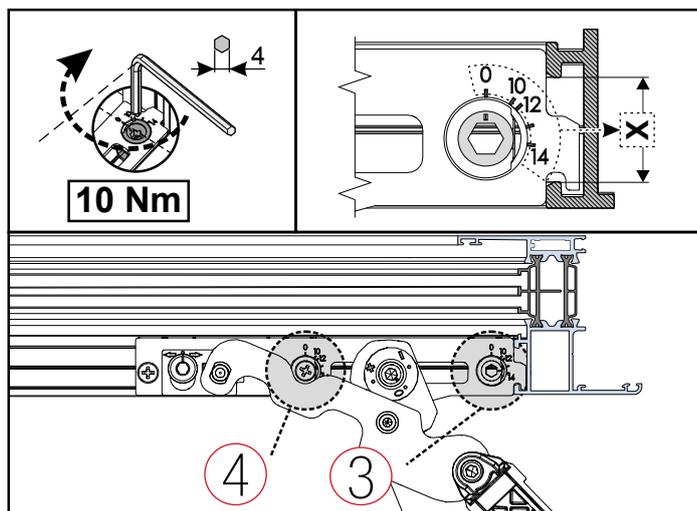
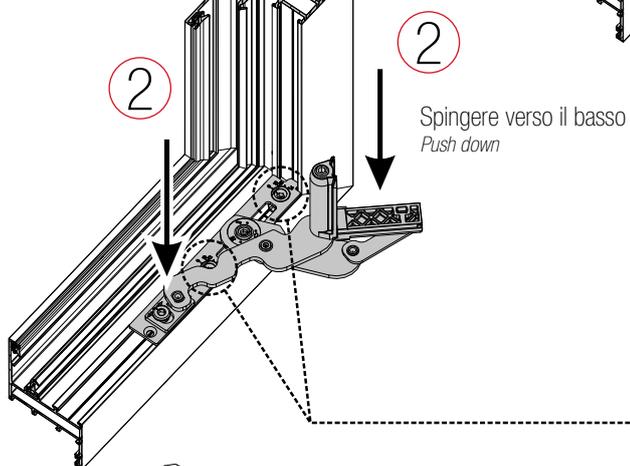
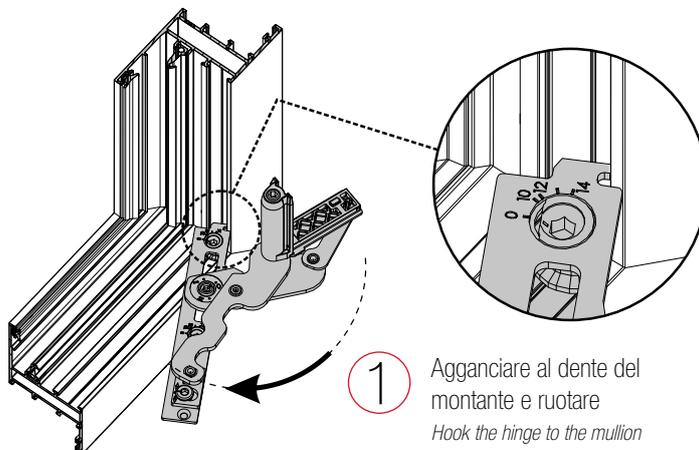


STD = Manovra standard

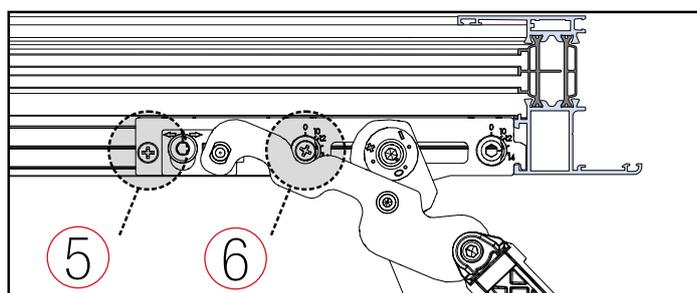
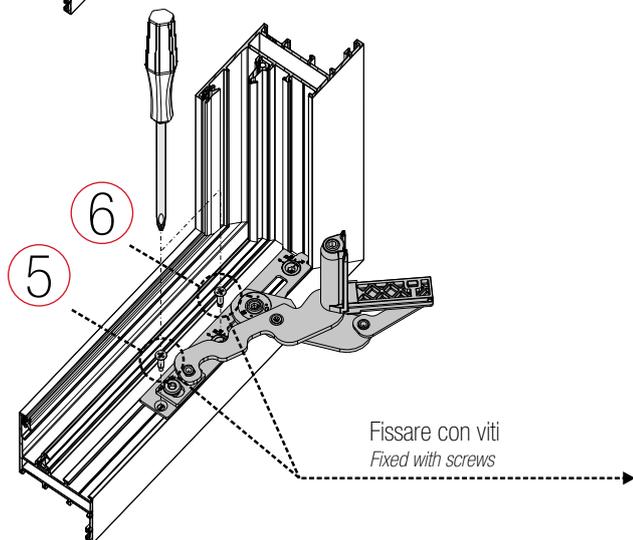




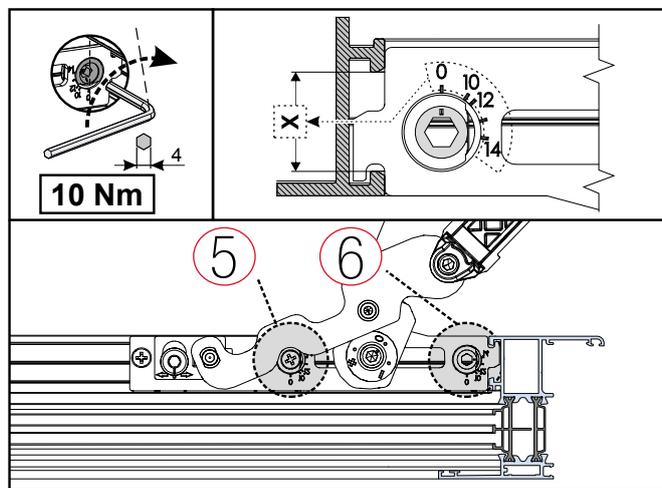
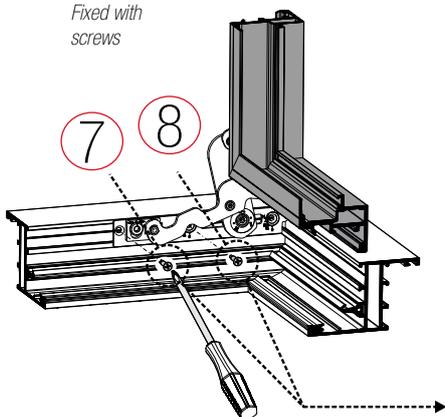
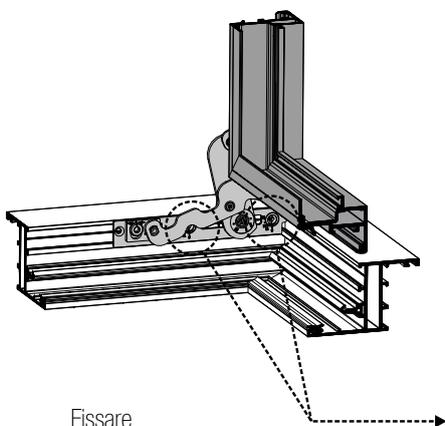
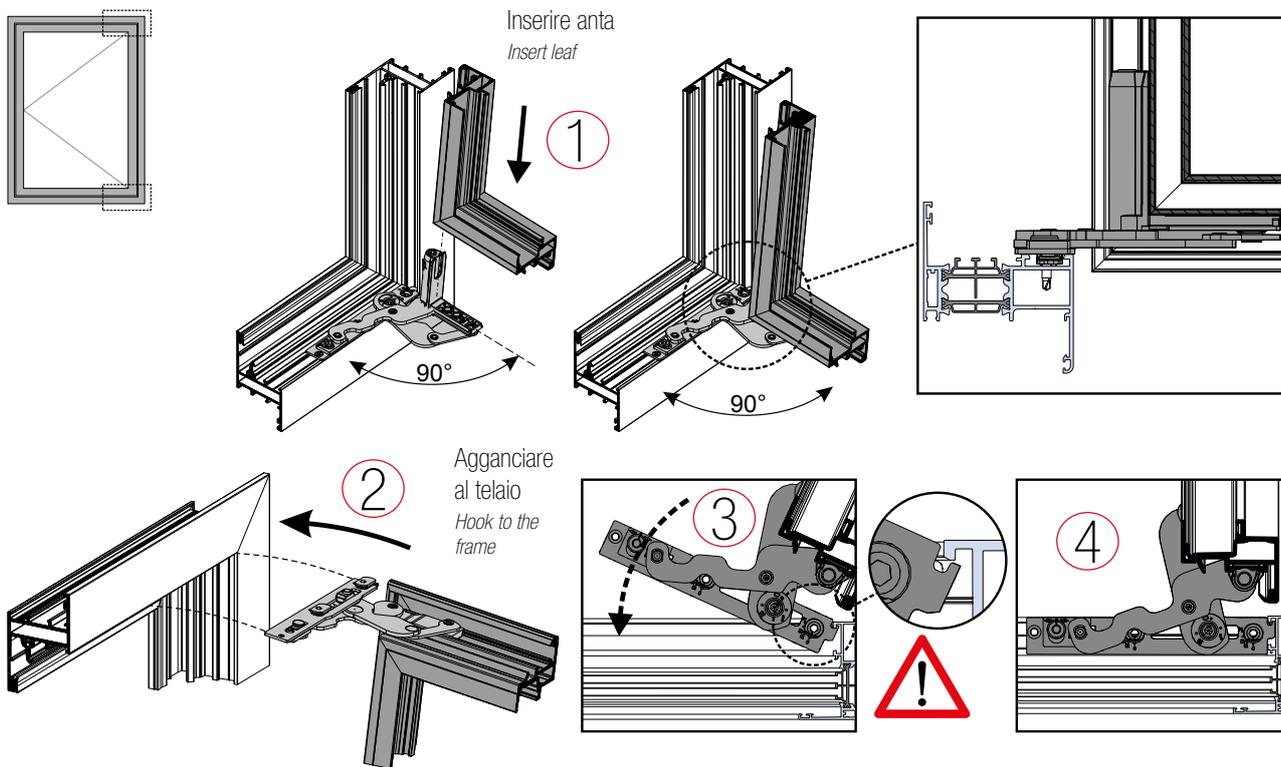
Montaggio cerniera SECRET  
Installation SECRET hinge



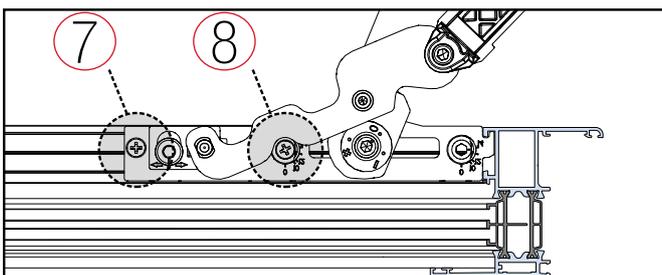
Girare Cam  
Screwed Cam



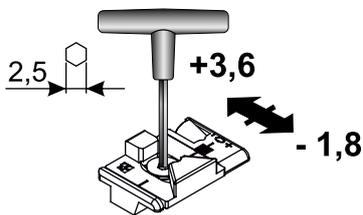
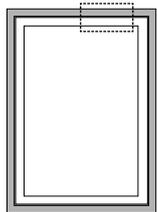
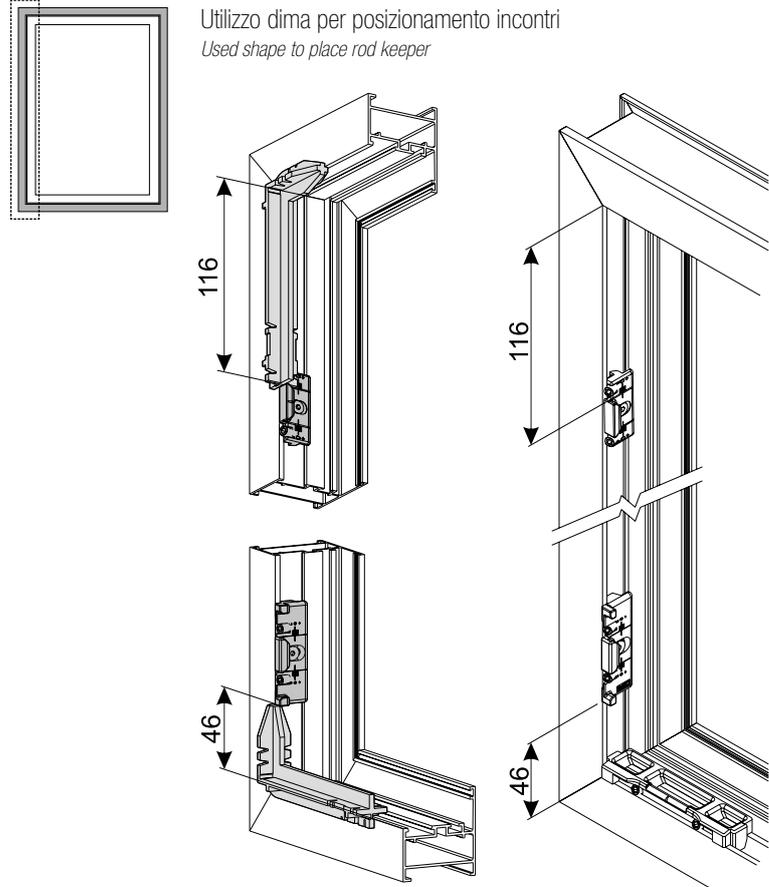
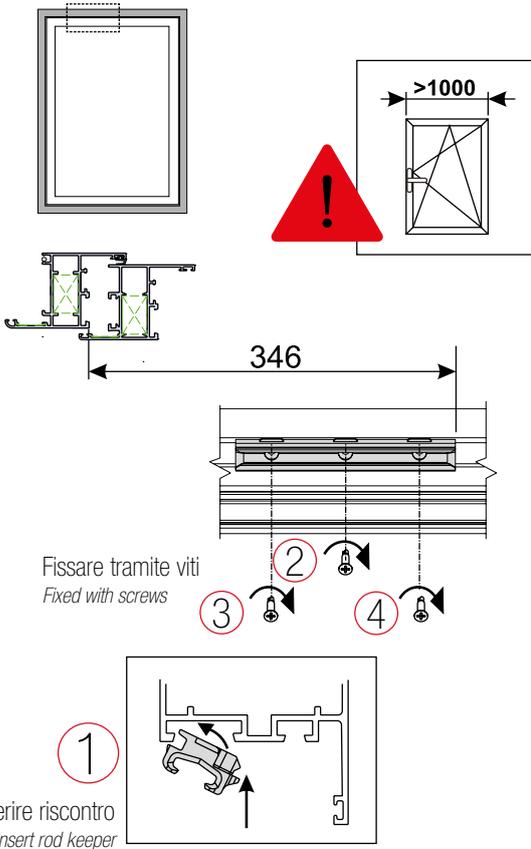
Stringere le viti  
Tighten screws



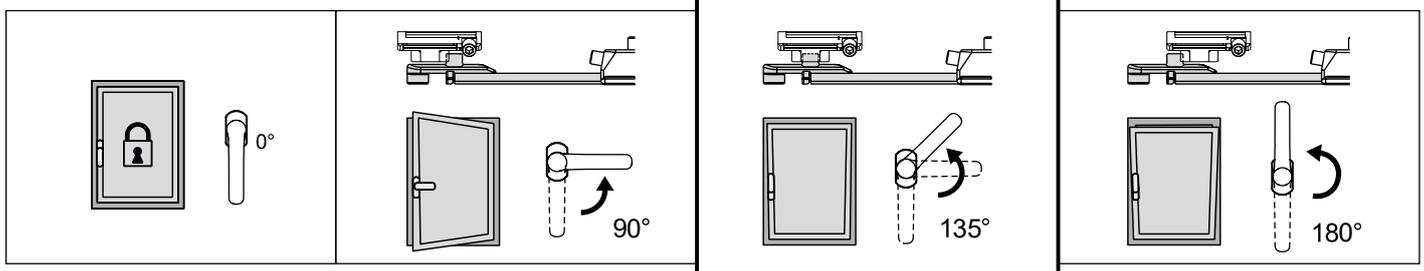
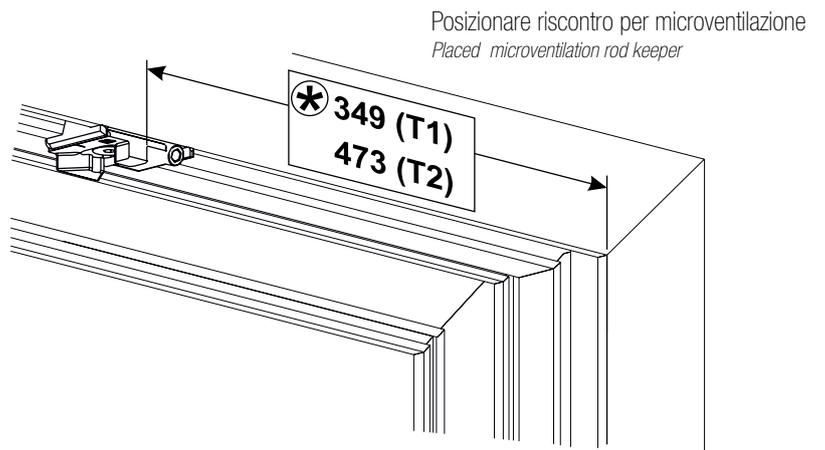
Girare Cam  
Screwed Cam

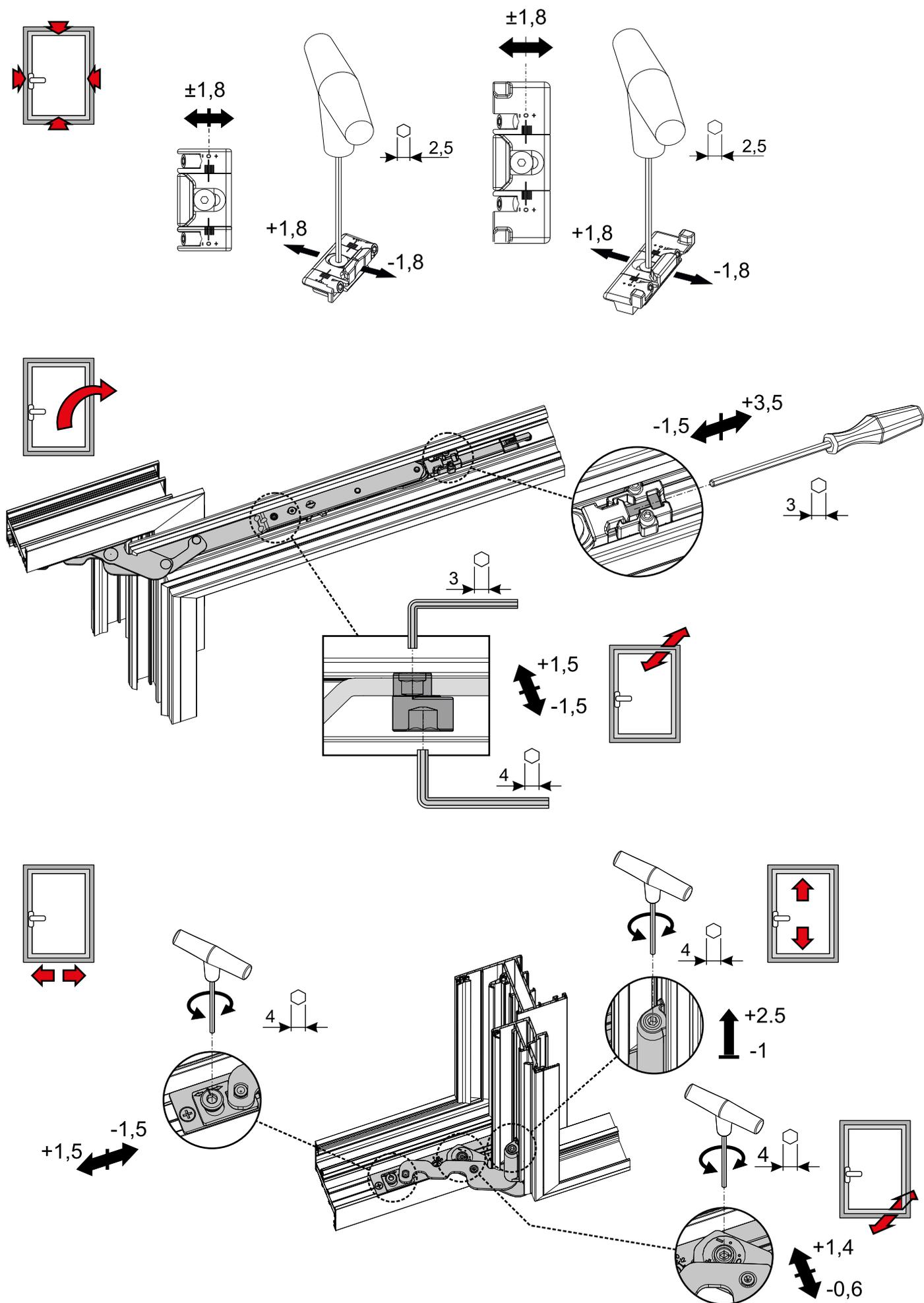


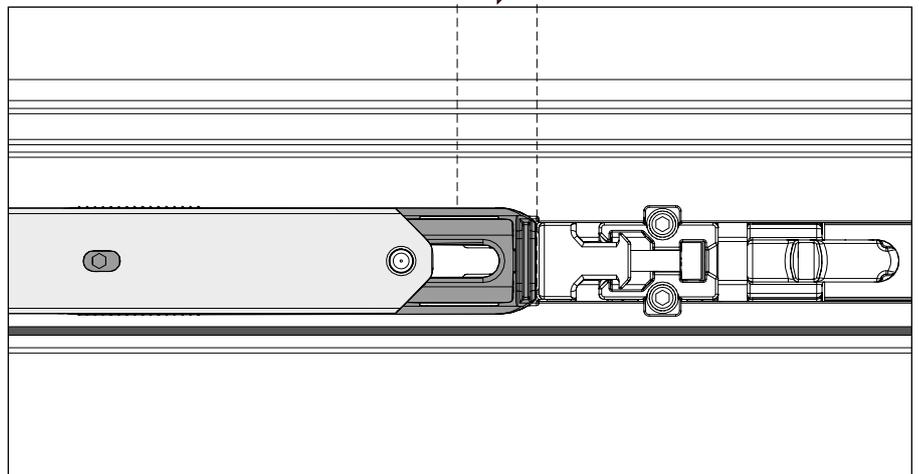
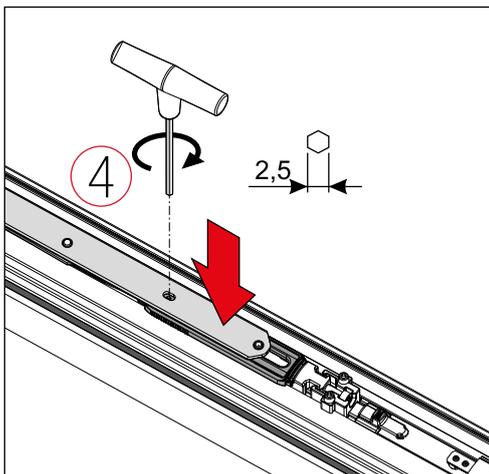
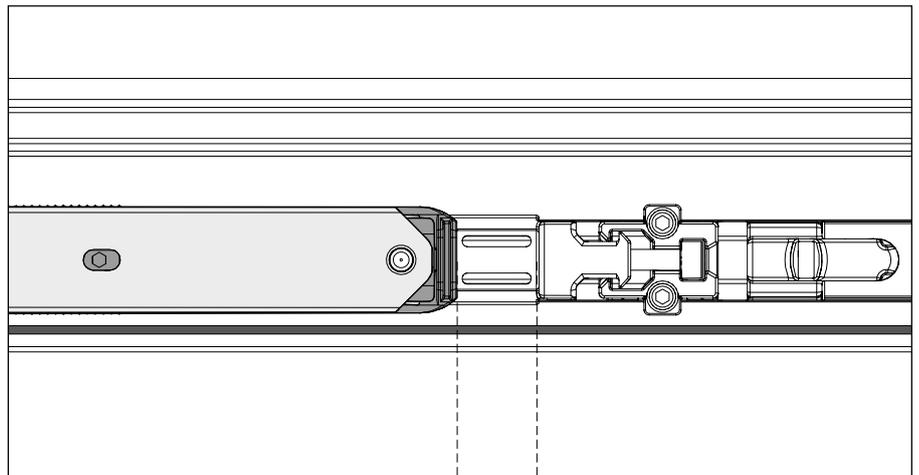
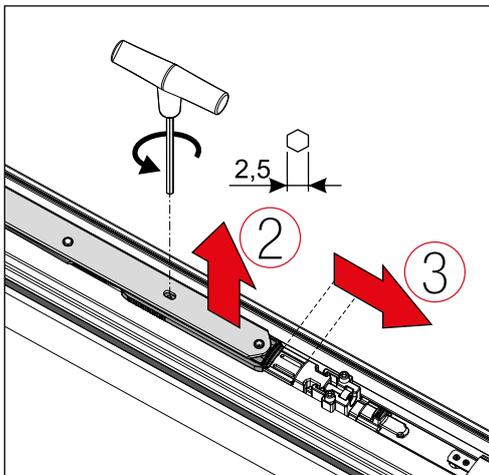
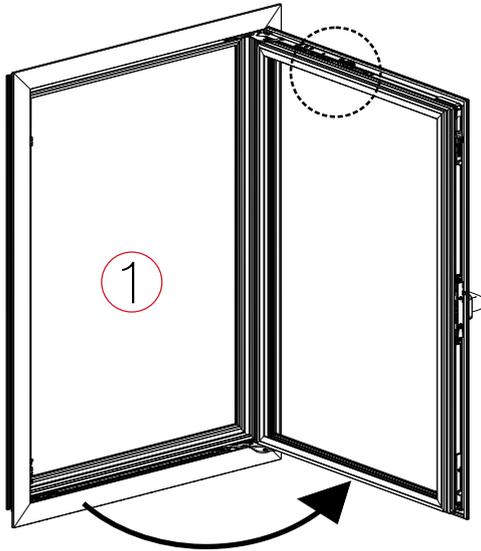
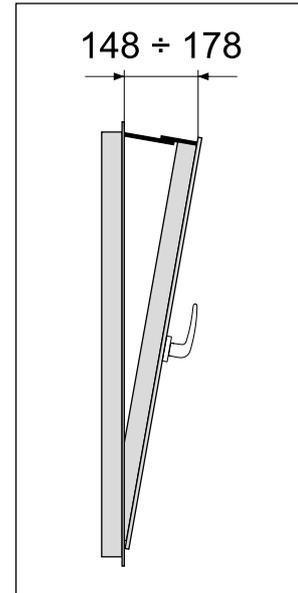
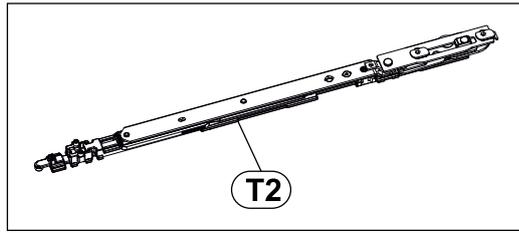
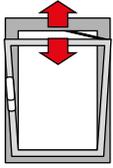
Stringere le viti  
Tighten screws

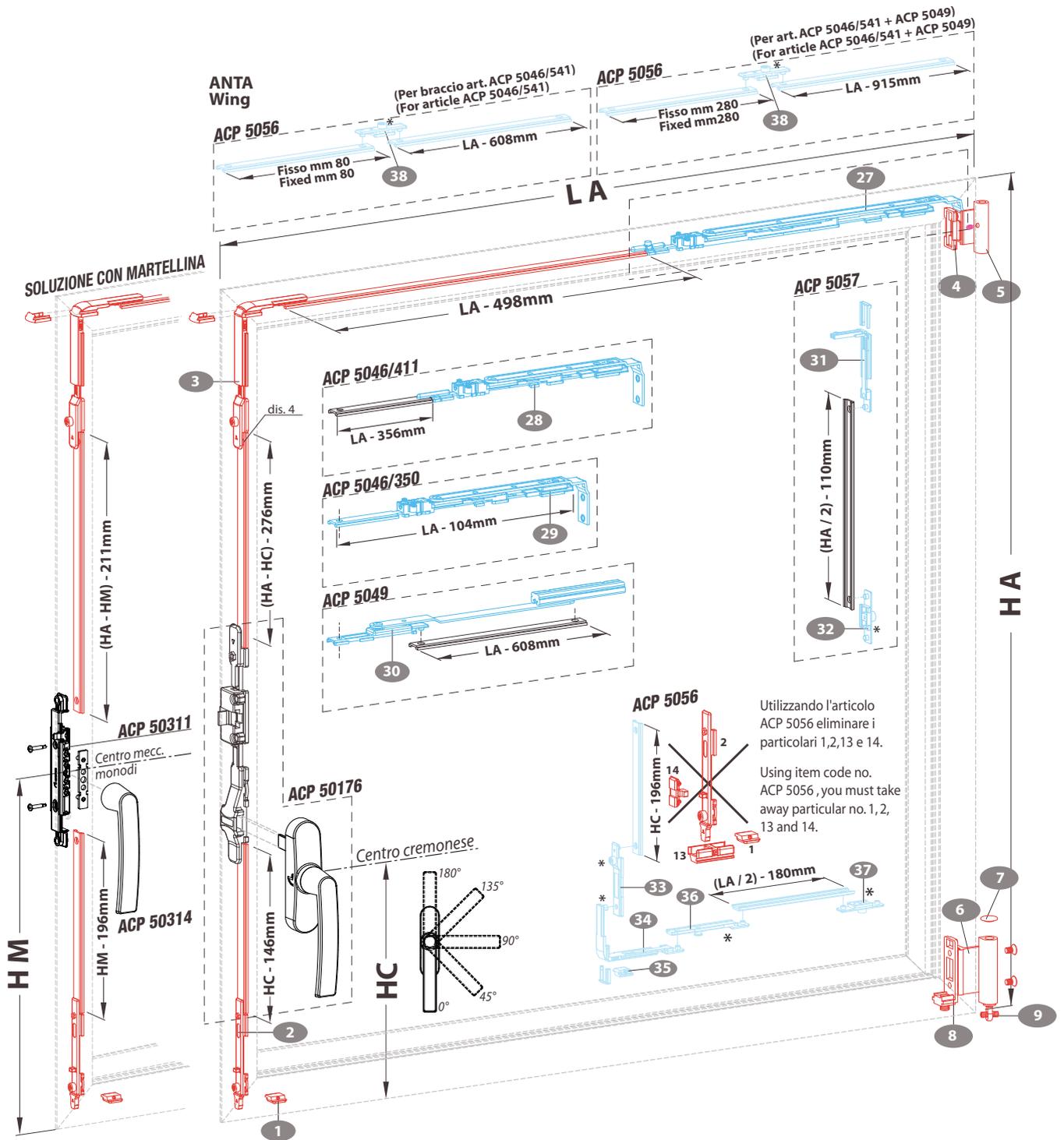


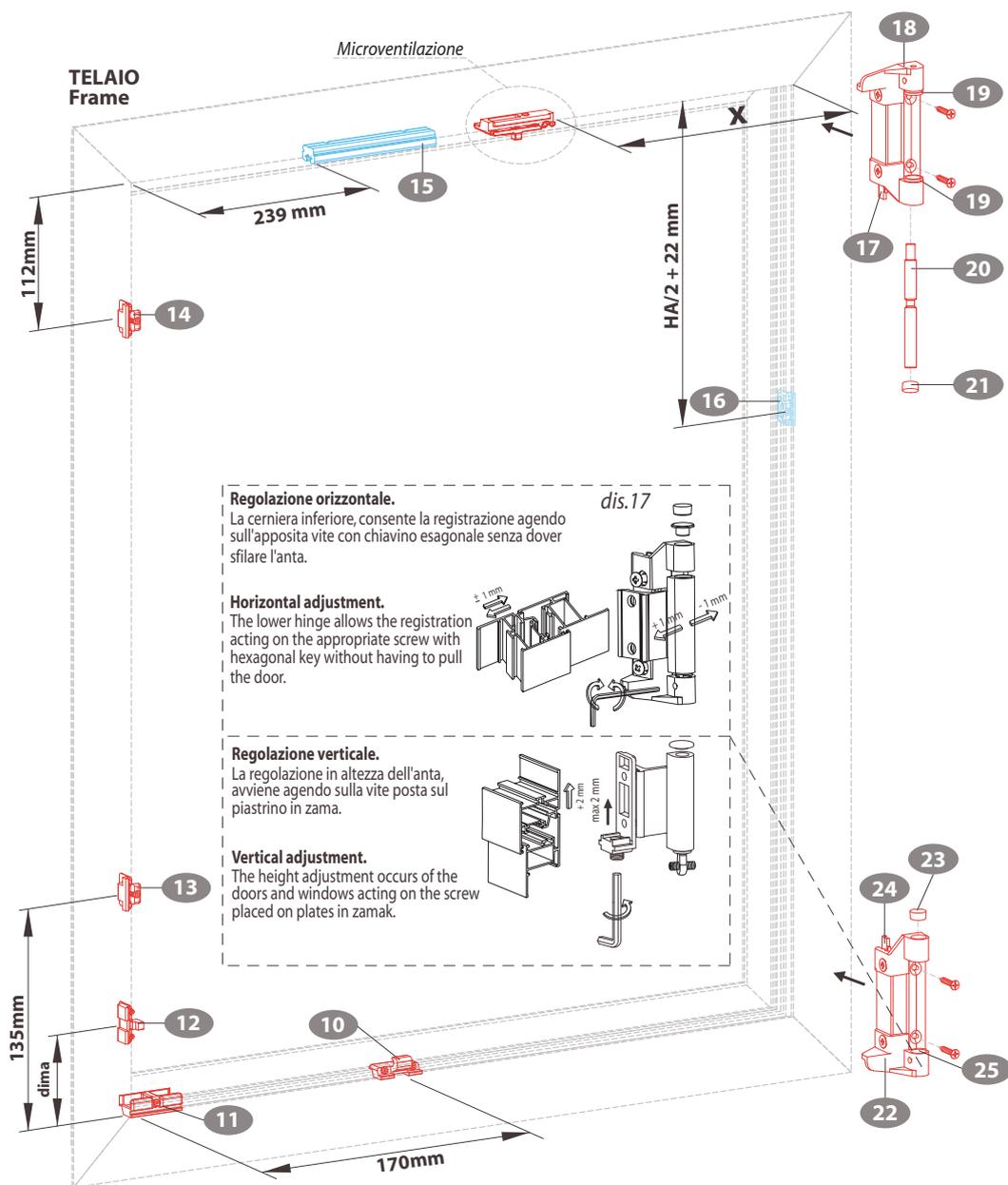
Fissare microventilazione  
Fixing microventilation rod keeper







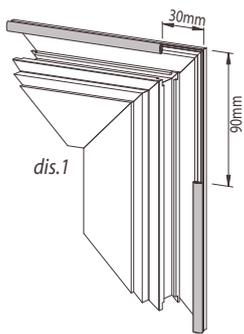




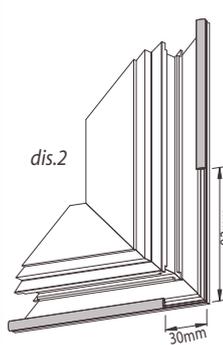
| ACCESSORIO   | X     |
|--------------|-------|
| ACP 5046/541 | 437mm |
| ACP 5046/411 | 294mm |

La posizione della microventilazione è suscettibile di variazioni in base alla regolazione del braccio

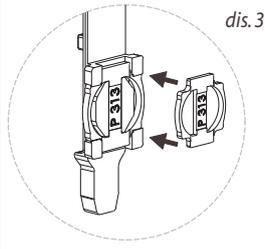
**Taglio guarnizione cerniera superiore**  
Upper hinge seal cutting



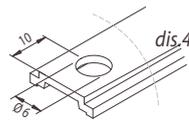
**Taglio guarnizione cerniera inferiore**  
Lower hinge seal cutting



**Molla di frizione in nylon a due alette per un miglior funzionamento e facilità di posa sulla ferramenta.**  
Two/wing nylon friction for a better working and easier positioning on hardware.



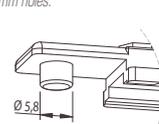
**Foro astina**  
Rod hole



Per interasse foro astine inferiore a mm 11, aumentare le quote delle formule taglio astine pari alla differenza moltiplicato per due.

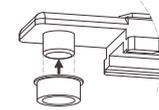
For centric distances with rod hole inferior to 11 mm increase the dimensions of the formulas for cut rods equal to the difference multiplied by two.

**Gli agganci astina sono predisposti per fori da mm 6.**  
The rod couplings are pre-arranged for 6 mm holes.

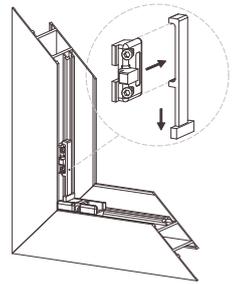


Per fori da mm 8 inserire la boccola in dotazione

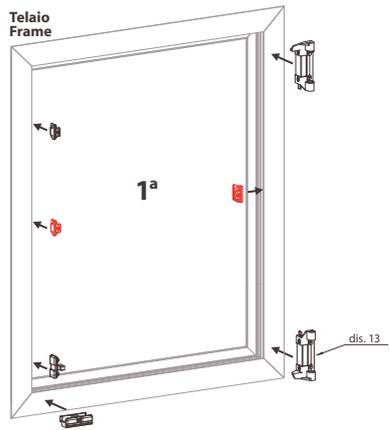
For 8 mm holes insert the bushing provided



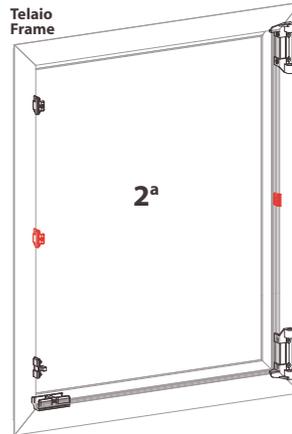
**Posizionamento riscontro inferiore con dima nylon.**  
Positioning of flower striker with nylon template.



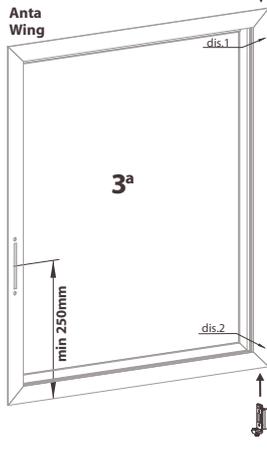
**Telaio**  
Frame



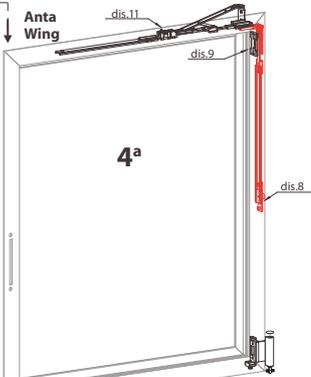
**Telaio**  
Frame



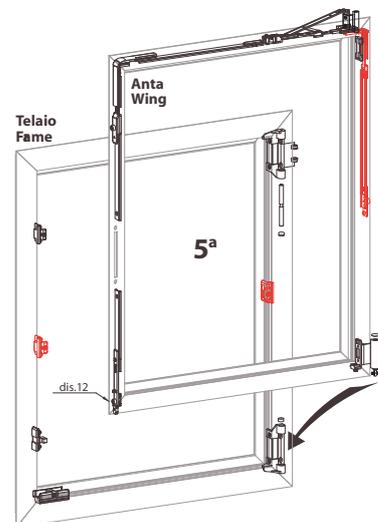
**Anta**  
Wing



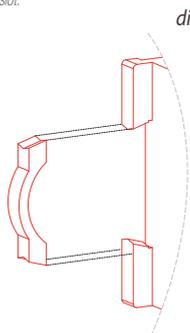
**Anta**  
Wing



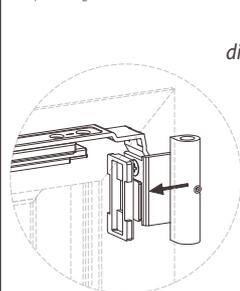
**Telaio**  
Frame



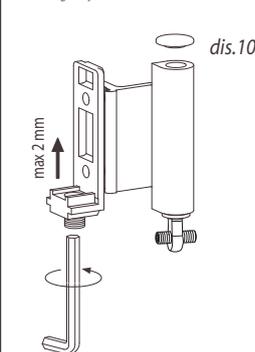
Inserire le molle di frizione sulle apposite asole.  
To connect the adjusting spring on the slot.



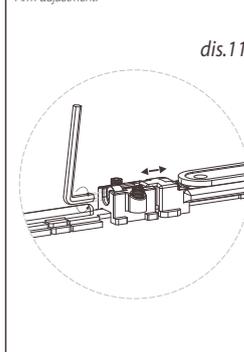
**Blocchetto posizionamento braccio.**  
Arm positioning block.



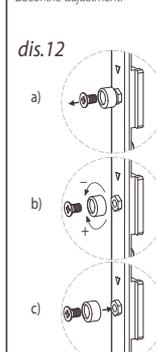
**Regolazione cerniera inferiore.**  
Lower hinge adjustment.



**Regolazione braccio.**  
Arm adjustment.

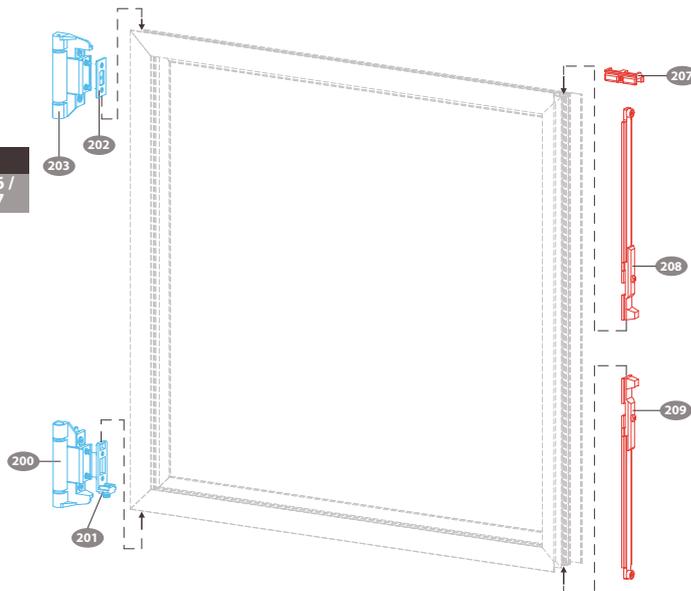
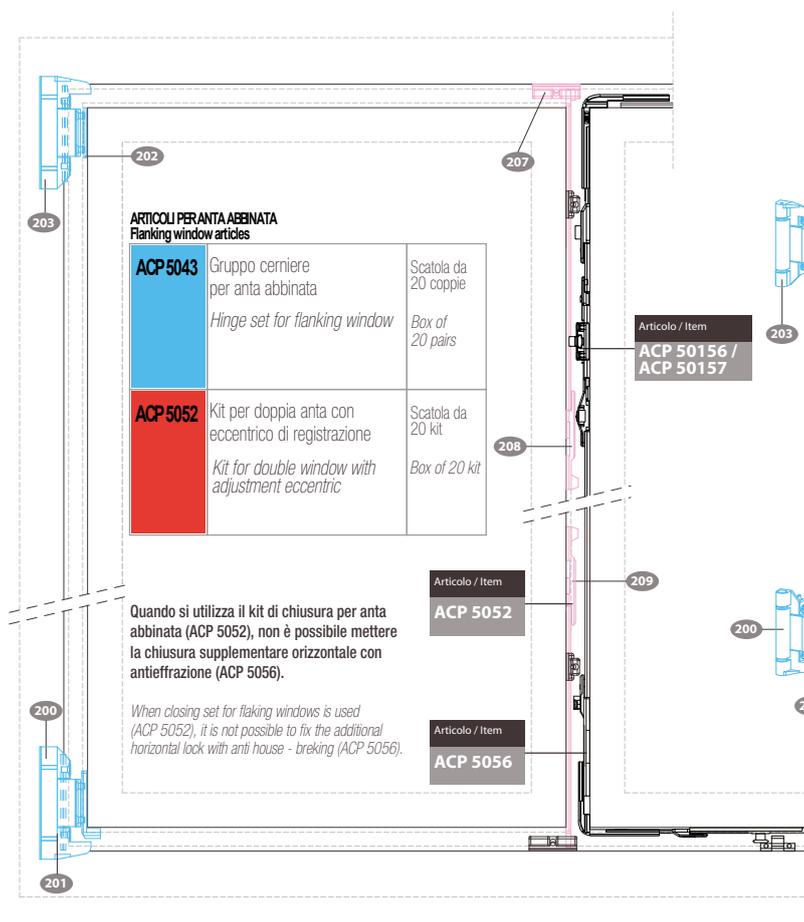
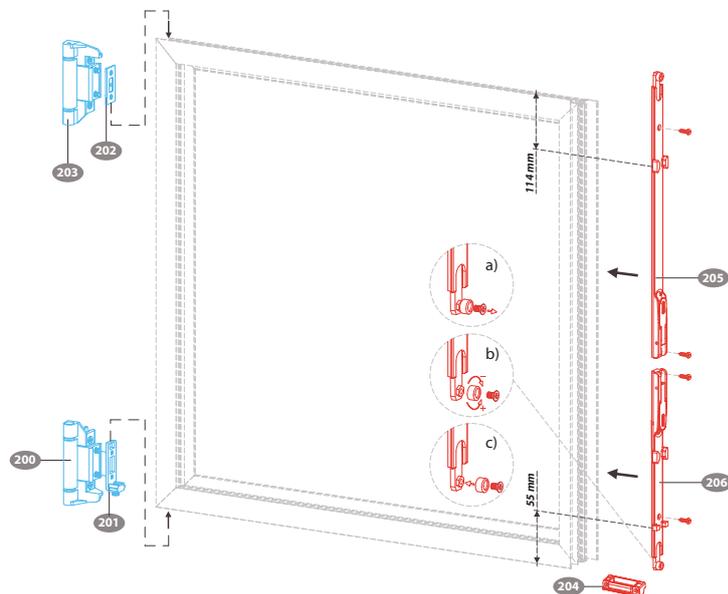
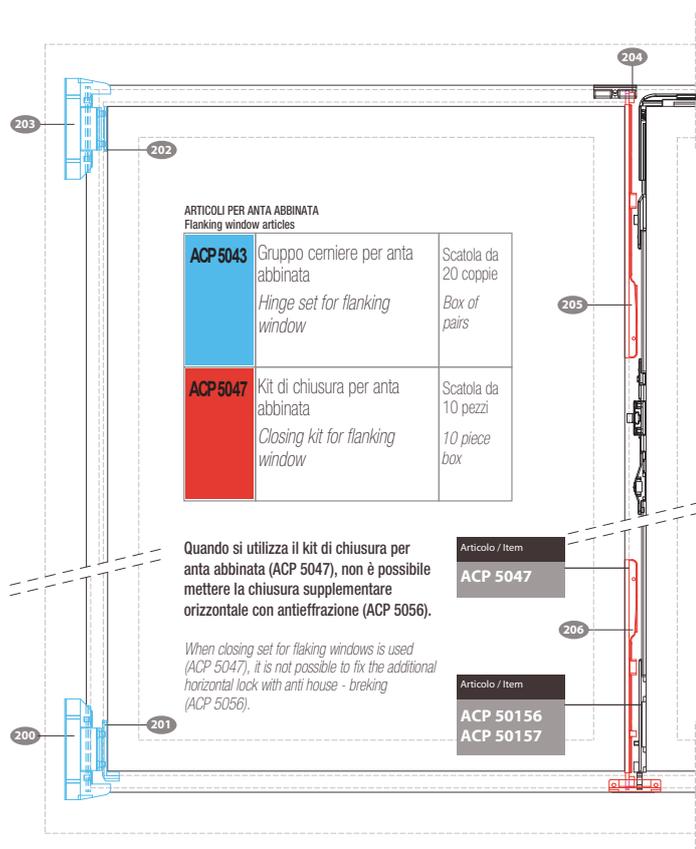


**Regolazione eccentrico.**  
Eccentric adjustment.



**Regolazione eccentrico.**  
Eccentric adjustment.





# M19

## Serratura di sicurezza per montante avanzante

Security lock for jamb

| <table border="1"> <tr> <th colspan="4">Contropiastre Regolabile in Metallo</th> </tr> <tr> <td>A-B-C</td> <td>D</td> <td colspan="2">E-F</td> </tr> <tr> <td>06463-32</td> <td>06463-32</td> <td colspan="2">06566220</td> </tr> <tr> <td></td> <td>(17)</td> <td colspan="2">(17)</td> </tr> <tr> <td colspan="4">(17) = inserto rullo art. 06141-71</td> </tr> </table><br><table border="1"> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin.12)</th> <th>Frontale</th> </tr> <tr> <td>con borchie</td> <td>0E300-12<br/>L=89 (83.5-95.5)</td> <td>22x3</td> </tr> <tr> <td>senza borchie</td> <td>0E300-09<br/>L=83.2 (77.3-85.5)</td> <td></td> </tr> </table><br><p>E= 35mm</p> | Contropiastre Regolabile in Metallo |          |  |  | A-B-C | D | E-F |  | 06463-32 | 06463-32 | 06566220 |  |  | (17) | (17) |  | (17) = inserto rullo art. 06141-71 |  |  |  | CILINDRO SAGOMATO (Nichelato Fin.12) |  | Frontale | con borchie | 0E300-12<br>L=89 (83.5-95.5) | 22x3 | senza borchie | 0E300-09<br>L=83.2 (77.3-85.5) |  |  | <p>art. 19225</p> | <p>art. 49225</p> | <p>art. 49220</p> | <p>art. 49250<br/>art. 0600000</p> | <p>art. 064443360</p> |
|--|-------------------------------------|----------|--|--|-------|---|-----|--|----------|----------|----------|--|--|------|------|--|------------------------------------|--|--|--|--------------------------------------|--|----------|-------------|------------------------------|------|---------------|--------------------------------|--|--|-------------------|-------------------|-------------------|------------------------------------|-----------------------|
| Contropiastre Regolabile in Metallo  |                                     |          |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| A-B-C  | D                                   | E-F      |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| 06463-32   | 06463-32                            | 06566220 |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
|  | (17)                                | (17)     |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| (17) = inserto rullo art. 06141-71   |                                     |          |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| CILINDRO SAGOMATO (Nichelato Fin.12)   |                                     | Frontale |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| con borchie  | 0E300-12<br>L=89 (83.5-95.5)        | 22x3     |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| senza borchie  | 0E300-09<br>L=83.2 (77.3-85.5)      |          |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| <table border="1"> <tr> <th colspan="4">Contropiastre Regolabile in Metallo</th> </tr> <tr> <td>A-B-C</td> <td>D</td> <td colspan="2">E-F</td> </tr> <tr> <td>06463-32</td> <td>06463-32</td> <td colspan="2">06566220</td> </tr> <tr> <td></td> <td>(17)</td> <td colspan="2">(17)</td> </tr> <tr> <td colspan="4">(17) = inserto rullo art. 06141-71</td> </tr> </table><br><table border="1"> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin.12)</th> <th>Frontale</th> </tr> <tr> <td>con borchie</td> <td>0E300-12<br/>L=89 (83.5-95.5)</td> <td>22x3</td> </tr> <tr> <td>senza borchie</td> <td>0E300-41<br/>L=83.2 (77.3-85.5)</td> <td></td> </tr> </table><br><p>E= 35mm</p> | Contropiastre Regolabile in Metallo |          |  |  | A-B-C | D | E-F |  | 06463-32 | 06463-32 | 06566220 |  |  | (17) | (17) |  | (17) = inserto rullo art. 06141-71 |  |  |  | CILINDRO SAGOMATO (Nichelato Fin.12) |  | Frontale | con borchie | 0E300-12<br>L=89 (83.5-95.5) | 22x3 | senza borchie | 0E300-41<br>L=83.2 (77.3-85.5) |  |  | <p>art. 19225</p> | <p>art. 49225</p> | <p>art. 49220</p> | <p>art. 49250<br/>art. 0600000</p> | <p>art. 064443360</p> |
| Contropiastre Regolabile in Metallo  |                                     |          |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| A-B-C  | D                                   | E-F      |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| 06463-32   | 06463-32                            | 06566220 |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
|  | (17)                                | (17)     |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| (17) = inserto rullo art. 06141-71   |                                     |          |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| CILINDRO SAGOMATO (Nichelato Fin.12)   |                                     | Frontale |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| con borchie  | 0E300-12<br>L=89 (83.5-95.5)        | 22x3     |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |
| senza borchie  | 0E300-41<br>L=83.2 (77.3-85.5)      |          |  |  |       |   |     |  |          |          |          |  |  |      |      |  |                                    |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |                   |                   |                   |                                    |                       |

## M20

### Serratura di sicurezza per montante avanzante

Security lock for jamb

| <table border="1"> <tr> <th colspan="3">Contropiastre Regolabile in metallo</th> </tr> <tr> <td>A-B-C</td> <td>D</td> <td>E-F</td> </tr> <tr> <td>06463-32</td> <td>06463-32<br/>(17)</td> <td>06565220</td> </tr> <tr> <td colspan="3">(17) = inserto rullo art. 06141-71</td> </tr> </table> |                                | Contropiastre Regolabile in metallo |  |          | A-B-C | D        | E-F | 06463-32 | 06463-32<br>(17) | 06565220 | (17) = inserto rullo art. 06141-71 |  |  | <table border="1"> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin.12)</th> <th>Frontale</th> </tr> <tr> <td>con borchie</td> <td>0E300-12<br/>L=69 (23,5-39,5)</td> <td>22x3</td> </tr> <tr> <td>senza borchie</td> <td>0E300-09<br/>L=63,2 (27,7-38,5)</td> <td></td> </tr> </table> |  | CILINDRO SAGOMATO (Nichelato Fin.12) |  | Frontale | con borchie | 0E300-12<br>L=69 (23,5-39,5) | 22x3 | senza borchie | 0E300-09<br>L=63,2 (27,7-38,5) |  |  |  |
|--|--------------------------------|-------------------------------------|--|----------|-------|----------|-----|----------|------------------|----------|------------------------------------|--|--|--|--|--------------------------------------|--|----------|-------------|------------------------------|------|---------------|--------------------------------|--|--|--|
| Contropiastre Regolabile in metallo  |                                |                                     |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| A-B-C  | D                              | E-F                                 |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| 06463-32   | 06463-32<br>(17)               | 06565220                            |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| (17) = inserto rullo art. 06141-71   |                                |                                     |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| CILINDRO SAGOMATO (Nichelato Fin.12)   |                                | Frontale                            |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| con borchie  | 0E300-12<br>L=69 (23,5-39,5)   | 22x3                                |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| senza borchie  | 0E300-09<br>L=63,2 (27,7-38,5) |                                     |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| <b>A</b>   |                                | <b>B</b>                            |  | <b>C</b> |       | <b>D</b> |     | <b>E</b> |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| <table border="1"> <tr> <th colspan="3">Contropiastre Regolabile in Metallo</th> </tr> <tr> <td>A-B-C</td> <td>D</td> <td>E-F</td> </tr> <tr> <td>06463-32</td> <td>06463-32<br/>(17)</td> <td>06565220</td> </tr> <tr> <td colspan="3">(17) = inserto rullo art. 06141-71</td> </tr> </table> |                                | Contropiastre Regolabile in Metallo |  |          | A-B-C | D        | E-F | 06463-32 | 06463-32<br>(17) | 06565220 | (17) = inserto rullo art. 06141-71 |  |  | <table border="1"> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin.12)</th> <th>Frontale</th> </tr> <tr> <td>con borchie</td> <td>0E300-12<br/>L=69 (23,5-39,5)</td> <td>22x3</td> </tr> <tr> <td>senza borchie</td> <td>0E300-09<br/>L=63,2 (27,7-38,5)</td> <td></td> </tr> </table> |  | CILINDRO SAGOMATO (Nichelato Fin.12) |  | Frontale | con borchie | 0E300-12<br>L=69 (23,5-39,5) | 22x3 | senza borchie | 0E300-09<br>L=63,2 (27,7-38,5) |  |  |  |
| Contropiastre Regolabile in Metallo  |                                |                                     |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| A-B-C  | D                              | E-F                                 |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| 06463-32   | 06463-32<br>(17)               | 06565220                            |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| (17) = inserto rullo art. 06141-71   |                                |                                     |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| CILINDRO SAGOMATO (Nichelato Fin.12)   |                                | Frontale                            |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| con borchie  | 0E300-12<br>L=69 (23,5-39,5)   | 22x3                                |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| senza borchie  | 0E300-09<br>L=63,2 (27,7-38,5) |                                     |  |          |       |          |     |          |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |
| <b>A</b>   |                                | <b>B</b>                            |  | <b>C</b> |       | <b>D</b> |     | <b>E</b> |                  |          |                                    |  |  |  |  |                                      |  |          |             |                              |      |               |                                |  |  |  |

# M21

## Serratura di sicurezza per montante basculante

Security lock for jamb

| <p><b>A</b></p> <p>art. 16205</p>  | <p><b>B</b></p> <p>art. 16215<br/>art. 16225<br/>art. 16217<br/>art. 16227</p> | <p><b>C</b></p> <p>art. 16215<br/>art. 46225<br/>art. 46217<br/>art. 46227</p> | <p><b>D</b></p> <p>art. 46230<br/>art. 46250<br/>art. 46252</p> | <p><b>E</b></p> <p>art. 46210<br/>art. 46220<br/>art. 46212</p> | <p><b>F</b></p> <p>art.<br/>06443-00/05-0</p> |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
|--|--|--|---|---|---|-----|----------|------------------|----------|------------------------------------|--|--|---|--------------------------------------|--|--|-------------|---------------|----------|------------------------------|------------------------------|------|--|-------------------------------------|--|--|-------|---|-----|----------|------------------|----------|------------------------------------|--|--|---|--------------------------------------|--|--|-------------|---------------|----------|------------------------------|------------------------------|------|--|-------------------------------------|--|--|-------|---|-----|----------|------------------|----------|------------------------------------|--|--|---|--------------------------------------|--|--|-------------|---------------|----------|------------------------------|------------------------------|------|
| <p>E= 35mm</p>   |  |  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| <p><b>A</b></p> <table border="1"> <tr> <th colspan="3">Contropiastra Regolabile in Metallo</th> </tr> <tr> <td>A-B-C</td> <td>D</td> <td>E-F</td> </tr> <tr> <td>06463-22</td> <td>06463-22<br/>(17)</td> <td>06465-22</td> </tr> <tr> <td colspan="3">(17) = inserto rullo art. 06141-71</td> </tr> </table> <p>art. 16205</p> | Contropiastra Regolabile in Metallo  |  |   | A-B-C   | D   | E-F | 06463-22 | 06463-22<br>(17) | 06465-22 | (17) = inserto rullo art. 06141-71 |  |  | <p><b>B</b></p> <table border="1"> <tr> <th colspan="3">CILINDRO SAGOMATO (Nichelato Fin.12)</th> </tr> <tr> <td>con borchie</td> <td>senza borchie</td> <td>Frontale</td> </tr> <tr> <td>0E300-12<br/>L=46 (26,5-36,5)</td> <td>0E300-09<br/>L=42 (27,7-35,5)</td> <td>22x3</td> </tr> </table> <p>E= 35mm</p> | CILINDRO SAGOMATO (Nichelato Fin.12) |  |  | con borchie | senza borchie | Frontale | 0E300-12<br>L=46 (26,5-36,5) | 0E300-09<br>L=42 (27,7-35,5) | 22x3 | <p><b>C</b></p> <table border="1"> <tr> <th colspan="3">Contropiastra Regolabile in Metallo</th> </tr> <tr> <td>A-B-C</td> <td>D</td> <td>E-F</td> </tr> <tr> <td>06463-22</td> <td>06463-22<br/>(17)</td> <td>06465-22</td> </tr> <tr> <td colspan="3">(17) = inserto rullo art. 06141-71</td> </tr> </table> <p>art. 16205</p> | Contropiastra Regolabile in Metallo |  |  | A-B-C | D | E-F | 06463-22 | 06463-22<br>(17) | 06465-22 | (17) = inserto rullo art. 06141-71 |  |  | <p><b>D</b></p> <table border="1"> <tr> <th colspan="3">CILINDRO SAGOMATO (Nichelato Fin.12)</th> </tr> <tr> <td>con borchie</td> <td>senza borchie</td> <td>Frontale</td> </tr> <tr> <td>0E300-12<br/>L=46 (26,5-36,5)</td> <td>0E300-09<br/>L=42 (27,7-35,5)</td> <td>22x3</td> </tr> </table> <p>E= 35mm</p> | CILINDRO SAGOMATO (Nichelato Fin.12) |  |  | con borchie | senza borchie | Frontale | 0E300-12<br>L=46 (26,5-36,5) | 0E300-09<br>L=42 (27,7-35,5) | 22x3 | <p><b>E</b></p> <table border="1"> <tr> <th colspan="3">Contropiastra Regolabile in Metallo</th> </tr> <tr> <td>A-B-C</td> <td>D</td> <td>E-F</td> </tr> <tr> <td>06463-22</td> <td>06463-22<br/>(17)</td> <td>06465-22</td> </tr> <tr> <td colspan="3">(17) = inserto rullo art. 06141-71</td> </tr> </table> <p>art. 16205</p> | Contropiastra Regolabile in Metallo |  |  | A-B-C | D | E-F | 06463-22 | 06463-22<br>(17) | 06465-22 | (17) = inserto rullo art. 06141-71 |  |  | <p><b>F</b></p> <table border="1"> <tr> <th colspan="3">CILINDRO SAGOMATO (Nichelato Fin.12)</th> </tr> <tr> <td>con borchie</td> <td>senza borchie</td> <td>Frontale</td> </tr> <tr> <td>0E300-12<br/>L=46 (26,5-36,5)</td> <td>0E300-09<br/>L=42 (27,7-35,5)</td> <td>22x3</td> </tr> </table> <p>E= 35mm</p> <p>art.<br/>06443-00/05-0</p> | CILINDRO SAGOMATO (Nichelato Fin.12) |  |  | con borchie | senza borchie | Frontale | 0E300-12<br>L=46 (26,5-36,5) | 0E300-09<br>L=42 (27,7-35,5) | 22x3 |
| Contropiastra Regolabile in Metallo  |  |  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| A-B-C  | D  | E-F  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| 06463-22   | 06463-22<br>(17)   | 06465-22   |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| (17) = inserto rullo art. 06141-71   |  |  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| CILINDRO SAGOMATO (Nichelato Fin.12)   |  |  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| con borchie  | senza borchie  | Frontale   |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| 0E300-12<br>L=46 (26,5-36,5)   | 0E300-09<br>L=42 (27,7-35,5)   | 22x3   |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| Contropiastra Regolabile in Metallo  |  |  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| A-B-C  | D  | E-F  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| 06463-22   | 06463-22<br>(17)   | 06465-22   |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| (17) = inserto rullo art. 06141-71   |  |  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| CILINDRO SAGOMATO (Nichelato Fin.12)   |  |  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| con borchie  | senza borchie  | Frontale   |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| 0E300-12<br>L=46 (26,5-36,5)   | 0E300-09<br>L=42 (27,7-35,5)   | 22x3   |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| Contropiastra Regolabile in Metallo  |  |  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| A-B-C  | D  | E-F  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| 06463-22   | 06463-22<br>(17)   | 06465-22   |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| (17) = inserto rullo art. 06141-71   |  |  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| CILINDRO SAGOMATO (Nichelato Fin.12)   |  |  |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| con borchie  | senza borchie  | Frontale   |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |
| 0E300-12<br>L=46 (26,5-36,5)   | 0E300-09<br>L=42 (27,7-35,5)   | 22x3   |   |   |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |  |                                     |  |  |       |   |     |          |                  |          |                                    |  |  |   |                                      |  |  |             |               |          |                              |                              |      |

## M22

### Serratura di sicurezza per montante basculante

Security lock for jamb

| <table border="1"> <tr> <th colspan="2">Contropiastra Regolabile in Metallo</th> </tr> <tr> <td>A-B-C</td> <td>D E-F</td> </tr> <tr> <td>06463-22</td> <td>06465-22</td> </tr> <tr> <td colspan="2">(17) = inserto rullo art. 06141-71</td> </tr> </table><br><table border="1"> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin.12)</th> </tr> <tr> <td>con borchie</td> <td>senza borchie</td> </tr> <tr> <td>0E300-12<br/>L=68 (26,5-38,5)</td> <td>0E300-41<br/>L=63,2 (27,3-35,9)</td> </tr> </table> <p>E = 35mm</p> | Contropiastra Regolabile in Metallo  |  | A-B-C   | D E-F  | 06463-22                                  | 06465-22 | (17) = inserto rullo art. 06141-71 |  | CILINDRO SAGOMATO (Nichelato Fin.12) |  | con borchie | senza borchie | 0E300-12<br>L=68 (26,5-38,5) | 0E300-41<br>L=63,2 (27,3-35,9) |  |
|--|--|--|---|--|---|----------|------------------------------------|--|--------------------------------------|--|-------------|---------------|------------------------------|--------------------------------|--|
| Contropiastra Regolabile in Metallo  |  |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| A-B-C  | D E-F  |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| 06463-22   | 06465-22   |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| (17) = inserto rullo art. 06141-71   |  |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| CILINDRO SAGOMATO (Nichelato Fin.12)   |  |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| con borchie  | senza borchie  |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| 0E300-12<br>L=68 (26,5-38,5)   | 0E300-41<br>L=63,2 (27,3-35,9)   |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| <p><b>A</b></p> <p>art. 16205</p>  | <p><b>B</b></p> <p>art. 16215<br/>art. 16225<br/>art. 16217<br/>art. 16227</p> | <p><b>C</b></p> <p>art. 16215<br/>art. 16225<br/>art. 46217<br/>art. 46227</p> | <p><b>D</b></p> <p>art. 46230<br/>art. 46250<br/>art. 46252</p> | <p><b>E</b></p> <p>art. 46210<br/>art. 46220<br/>art. 46212<br/>art. 46222</p> | <p><b>F</b></p> <p>art. 06443-00/05-0</p> |          |                                    |  |                                      |  |             |               |                              |                                |  |
| <table border="1"> <tr> <th colspan="2">Contropiastra Regolabile in Metallo</th> </tr> <tr> <td>A-B-C</td> <td>D E-F</td> </tr> <tr> <td>06463-22</td> <td>06465-22</td> </tr> <tr> <td colspan="2">(17) = inserto rullo art. 06141-71</td> </tr> </table><br><table border="1"> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin.12)</th> </tr> <tr> <td>con borchie</td> <td>senza borchie</td> </tr> <tr> <td>0E300-12<br/>L=68 (26,5-38,5)</td> <td>0E300-09<br/>L=63,2 (27,3-35,9)</td> </tr> </table>                 | Contropiastra Regolabile in Metallo  |  | A-B-C   | D E-F  | 06463-22                                  | 06465-22 | (17) = inserto rullo art. 06141-71 |  | CILINDRO SAGOMATO (Nichelato Fin.12) |  | con borchie | senza borchie | 0E300-12<br>L=68 (26,5-38,5) | 0E300-09<br>L=63,2 (27,3-35,9) |  |
| Contropiastra Regolabile in Metallo  |  |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| A-B-C  | D E-F  |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| 06463-22   | 06465-22   |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| (17) = inserto rullo art. 06141-71   |  |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| CILINDRO SAGOMATO (Nichelato Fin.12)   |  |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| con borchie  | senza borchie  |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| 0E300-12<br>L=68 (26,5-38,5)   | 0E300-09<br>L=63,2 (27,3-35,9)   |  |   |  |   |          |                                    |  |                                      |  |             |               |                              |                                |  |
| <p><b>A</b></p> <p>art. 16205</p>  | <p><b>B</b></p> <p>art. 16215<br/>art. 16225<br/>art. 16217<br/>art. 16227</p> | <p><b>C</b></p> <p>art. 16215<br/>art. 16225<br/>art. 46217<br/>art. 46227</p> | <p><b>D</b></p> <p>art. 46230<br/>art. 46250<br/>art. 46252</p> | <p><b>E</b></p> <p>art. 46210<br/>art. 46220<br/>art. 46212<br/>art. 46222</p> | <p><b>F</b></p> <p>art. 06444-21/26-0</p> |          |                                    |  |                                      |  |             |               |                              |                                |  |

# M23

## Serratura di sicurezza per montante multipunto avanzante

Security lock for jamb multi-point

| <p>Contropiastra Regolabile in Metallo</p> <table border="1"> <tr> <th>A</th> <th>B</th> <th>C</th> <th>Deviatori</th> </tr> <tr> <td>06463-32</td> <td>06463-32 (16)</td> <td>06465220</td> <td>06465220</td> </tr> </table> <p>(17) = inserto rullo art. 06141-71</p> |                                |          | A               | B | C | Deviatori | 06463-32 | 06463-32 (16) | 06465220 | 06465220 | <p>CILINDRO SAGOMATO (Nichelato Fin. 12)</p> <table border="1"> <tr> <th>con borchie</th> <th>senza borchie</th> <th>Frontale</th> </tr> <tr> <td>0E300-12<br/>L=89 (23,5-39,5)</td> <td>0E300-41<br/>L=83,2 (27,7-35,5)</td> <td>24x3</td> </tr> </table> |  |  | con borchie | senza borchie | Frontale | 0E300-12<br>L=89 (23,5-39,5) | 0E300-41<br>L=83,2 (27,7-35,5) | 24x3 |  |  |  |
|---|--------------------------------|----------|-----------------|---|---|-----------|----------|---------------|----------|----------|--|--|--|-------------|---------------|----------|------------------------------|--------------------------------|------|--|--|--|
| A   | B                              | C        | Deviatori       |   |   |           |          |               |          |          |  |  |  |             |               |          |                              |                                |      |  |  |  |
| 06463-32  | 06463-32 (16)                  | 06465220 | 06465220        |   |   |           |          |               |          |          |  |  |  |             |               |          |                              |                                |      |  |  |  |
| con borchie   | senza borchie                  | Frontale |                 |   |   |           |          |               |          |          |  |  |  |             |               |          |                              |                                |      |  |  |  |
| 0E300-12<br>L=89 (23,5-39,5)  | 0E300-41<br>L=83,2 (27,7-35,5) | 24x3     |                 |   |   |           |          |               |          |          |  |  |  |             |               |          |                              |                                |      |  |  |  |
| <p><b>A</b></p>   |                                |          | <p><b>B</b></p> |   |   |           |          |               |          |          |  |  |  |             |               |          |                              |                                |      |  |  |  |
| <p>Contropiastra Regolabile in Metallo</p> <table border="1"> <tr> <th>A</th> <th>B</th> <th>C</th> <th>Deviatori</th> </tr> <tr> <td>06463-32</td> <td>06463-32 (16)</td> <td>06465220</td> <td>06465220</td> </tr> </table> <p>(16) = inserto rullo art. 06141-71</p> |                                |          | A               | B | C | Deviatori | 06463-32 | 06463-32 (16) | 06465220 | 06465220 | <p>CILINDRO SAGOMATO (Nichelato Fin. 12)</p> <table border="1"> <tr> <th>con borchie</th> <th>senza borchie</th> <th>Frontale</th> </tr> <tr> <td>0E300-12<br/>L=89 (23,5-39,5)</td> <td>0E300-09<br/>L=83,2 (27,7-35,5)</td> <td>24x3</td> </tr> </table> |  |  | con borchie | senza borchie | Frontale | 0E300-12<br>L=89 (23,5-39,5) | 0E300-09<br>L=83,2 (27,7-35,5) | 24x3 |  |  |  |
| A   | B                              | C        | Deviatori       |   |   |           |          |               |          |          |  |  |  |             |               |          |                              |                                |      |  |  |  |
| 06463-32  | 06463-32 (16)                  | 06465220 | 06465220        |   |   |           |          |               |          |          |  |  |  |             |               |          |                              |                                |      |  |  |  |
| con borchie   | senza borchie                  | Frontale |                 |   |   |           |          |               |          |          |  |  |  |             |               |          |                              |                                |      |  |  |  |
| 0E300-12<br>L=89 (23,5-39,5)  | 0E300-09<br>L=83,2 (27,7-35,5) | 24x3     |                 |   |   |           |          |               |          |          |  |  |  |             |               |          |                              |                                |      |  |  |  |
| <p><b>A</b></p>   |                                |          | <p><b>B</b></p> |   |   |           |          |               |          |          |  |  |  |             |               |          |                              |                                |      |  |  |  |

## M24

### Serratura di sicurezza per montante multipunto avanzante

Security lock for jamb multi-point

| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">Contropiastra Regolabile in Metallo</th> </tr> <tr> <td style="width: 33%;">A</td> <td style="width: 33%;">B</td> <td style="width: 33%;">C</td> </tr> <tr> <td>06463-32</td> <td>06463-32<br/>(16)</td> <td>06465220</td> </tr> <tr> <td colspan="3" style="text-align: center;">(17) = inserto rullo art. 06141-71</td> </tr> </table> | Contropiastra Regolabile in Metallo |  |  | A | B | C | 06463-32 | 06463-32<br>(16) | 06465220 | (17) = inserto rullo art. 06141-71 |  |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin.12)</th> <th>Frontale</th> </tr> <tr> <td style="width: 33%;">con borchie</td> <td style="width: 33%;">senza borchie</td> <td style="width: 33%;">24x3</td> </tr> <tr> <td colspan="2">0E300-12<br/><small>L=63,2 (27,5x3)</small></td> <td>0E300-41<br/><small>L=63,2 (27,5x3)</small></td> </tr> </table>  | CILINDRO SAGOMATO (Nichelato Fin.12)  |  | Frontale | con borchie | senza borchie | 24x3 | 0E300-12<br><small>L=63,2 (27,5x3)</small> |  | 0E300-41<br><small>L=63,2 (27,5x3)</small> |  |
|--|-------------------------------------|--|--|---|---|---|----------|------------------|----------|------------------------------------|--|--|---|---------------------------------------|--|----------|-------------|---------------|------|--|--|--|--|
| Contropiastra Regolabile in Metallo  |                                     |  |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| A  | B                                   | C  |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| 06463-32   | 06463-32<br>(16)                    | 06465220                                   |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| (17) = inserto rullo art. 06141-71   |                                     |  |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| CILINDRO SAGOMATO (Nichelato Fin.12)   |                                     | Frontale                                   |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| con borchie  | senza borchie                       | 24x3                                       |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| 0E300-12<br><small>L=63,2 (27,5x3)</small>   |                                     | 0E300-41<br><small>L=63,2 (27,5x3)</small> |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| <p><b>A</b></p> <p>art. 19526<br/>art. 49526</p>   | <p><b>B</b></p> <p>art. 49551</p>   | <p><b>C</b></p> <p>art. 49521</p>          |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">Contropiastra Regolabile in Metallo</th> </tr> <tr> <td style="width: 33%;">A</td> <td style="width: 33%;">B</td> <td style="width: 33%;">C</td> </tr> <tr> <td>06463-32</td> <td>06463-32<br/>(16)</td> <td>06465220</td> </tr> <tr> <td colspan="3" style="text-align: center;">(16) = inserto rullo art. 06141-71</td> </tr> </table> | Contropiastra Regolabile in Metallo |  |  | A | B | C | 06463-32 | 06463-32<br>(16) | 06465220 | (16) = inserto rullo art. 06141-71 |  |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin. 12)</th> <th>Frontale</th> </tr> <tr> <td style="width: 33%;">con borchie</td> <td style="width: 33%;">senza borchie</td> <td style="width: 33%;">24x3</td> </tr> <tr> <td colspan="2">0E300-12<br/><small>L=63,2 (27,5x3)</small></td> <td>0E300-09<br/><small>L=63,2 (27,5x3)</small></td> </tr> </table> | CILINDRO SAGOMATO (Nichelato Fin. 12) |  | Frontale | con borchie | senza borchie | 24x3 | 0E300-12<br><small>L=63,2 (27,5x3)</small> |  | 0E300-09<br><small>L=63,2 (27,5x3)</small> |  |
| Contropiastra Regolabile in Metallo  |                                     |  |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| A  | B                                   | C  |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| 06463-32   | 06463-32<br>(16)                    | 06465220                                   |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| (16) = inserto rullo art. 06141-71   |                                     |  |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| CILINDRO SAGOMATO (Nichelato Fin. 12)  |                                     | Frontale                                   |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| con borchie  | senza borchie                       | 24x3                                       |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| 0E300-12<br><small>L=63,2 (27,5x3)</small>   |                                     | 0E300-09<br><small>L=63,2 (27,5x3)</small> |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |
| <p><b>A</b></p> <p>art. 19526<br/>art. 49526</p>   | <p><b>B</b></p> <p>art. 49551</p>   | <p><b>C</b></p> <p>art. 49521</p>          |  |   |   |   |          |                  |          |                                    |  |  |   |                                       |  |          |             |               |      |  |  |  |  |

# M25

## Serratura di sicurezza per montante multipunto basculante

Security lock for jamb multi-point

| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">Contropiastra Regolabile in Metallo</th> </tr> <tr> <th>A</th> <th>B</th> <th>C</th> <th>Deviatori</th> </tr> </thead> <tbody> <tr> <td>06463-22</td> <td>06463-22<br/>(17)</td> <td>06465-22</td> <td>06465-22<br/>(pz.2)</td> </tr> <tr> <td colspan="4">(17) = inserto rullo art. 06141-71</td> </tr> </tbody> </table><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin. 12)</th> <th>Frontale</th> </tr> </thead> <tbody> <tr> <td>con borchie</td> <td>senza borchie</td> <td>24x3</td> </tr> <tr> <td>0E300-12<br/><small>L=89 (83,5-95,5)</small></td> <td>0E300-41</td> <td></td> </tr> </tbody> </table> <p>E= 35mm</p>                                       | Contropiastra Regolabile in Metallo           |          |                    |  | A | B | C | Deviatori | 06463-22 | 06463-22<br>(17) | 06465-22 | 06465-22<br>(pz.2) | (17) = inserto rullo art. 06141-71 |  |  |  | CILINDRO SAGOMATO (Nichelato Fin. 12) |  | Frontale | con borchie | senza borchie | 24x3 | 0E300-12<br><small>L=89 (83,5-95,5)</small> | 0E300-41                                      |  | <p>art. 16525<br/>art. 46525</p> | <p>art. 46550</p> | <p>art. 46520</p> |
|--|---|----------|--------------------|--|---|---|---|-----------|----------|------------------|----------|--------------------|------------------------------------|--|--|--|---------------------------------------|--|----------|-------------|---------------|------|---|---|--|----------------------------------|-------------------|-------------------|
| Contropiastra Regolabile in Metallo  |   |          |                    |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| A  | B   | C        | Deviatori          |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| 06463-22   | 06463-22<br>(17)                              | 06465-22 | 06465-22<br>(pz.2) |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| (17) = inserto rullo art. 06141-71   |   |          |                    |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| CILINDRO SAGOMATO (Nichelato Fin. 12)  |   | Frontale |                    |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| con borchie  | senza borchie                                 | 24x3     |                    |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| 0E300-12<br><small>L=89 (83,5-95,5)</small>  | 0E300-41                                      |          |                    |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">Contropiastra Regolabile in Metallo</th> </tr> <tr> <th>A</th> <th>B</th> <th>C</th> <th>Deviatori</th> </tr> </thead> <tbody> <tr> <td>06463-22</td> <td>06463-22<br/>(17)</td> <td>06465-22</td> <td>06465-22<br/>(pz.2)</td> </tr> <tr> <td colspan="4">(17) = inserto rullo art. 06141-71</td> </tr> </tbody> </table><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin. 12)</th> <th>Frontale</th> </tr> </thead> <tbody> <tr> <td>con borchie</td> <td>senza borchie</td> <td>24x3</td> </tr> <tr> <td>0E300-12<br/><small>L=89 (83,5-95,5)</small></td> <td>0E300-09<br/><small>L=63,2 (57,7-65,5)</small></td> <td></td> </tr> </tbody> </table> <p>E= 35mm</p> | Contropiastra Regolabile in Metallo           |          |                    |  | A | B | C | Deviatori | 06463-22 | 06463-22<br>(17) | 06465-22 | 06465-22<br>(pz.2) | (17) = inserto rullo art. 06141-71 |  |  |  | CILINDRO SAGOMATO (Nichelato Fin. 12) |  | Frontale | con borchie | senza borchie | 24x3 | 0E300-12<br><small>L=89 (83,5-95,5)</small> | 0E300-09<br><small>L=63,2 (57,7-65,5)</small> |  | <p>art. 16525<br/>art. 46525</p> | <p>art. 46550</p> | <p>art. 46520</p> |
| Contropiastra Regolabile in Metallo  |   |          |                    |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| A  | B   | C        | Deviatori          |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| 06463-22   | 06463-22<br>(17)                              | 06465-22 | 06465-22<br>(pz.2) |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| (17) = inserto rullo art. 06141-71   |   |          |                    |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| CILINDRO SAGOMATO (Nichelato Fin. 12)  |   | Frontale |                    |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| con borchie  | senza borchie                                 | 24x3     |                    |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |
| 0E300-12<br><small>L=89 (83,5-95,5)</small>  | 0E300-09<br><small>L=63,2 (57,7-65,5)</small> |          |                    |  |   |   |   |           |          |                  |          |                    |                                    |  |  |  |                                       |  |          |             |               |      |   |   |  |                                  |                   |                   |

## M26

### Serratura di sicurezza per montante multipunto basculante

Security lock for jamb

| Contropiastra Regolabile in Metallo |                  |          | Deviatori          |
|-------------------------------------|------------------|----------|--------------------|
| A                                   | B                | C        |                    |
| 06463-22                            | 06463-22<br>(17) | 06465-22 | 06465-22<br>(pz.2) |
| (17) = inserto rullo art. 06141-71  |                  |          |                    |

| CILINDRO SAGOMATO (Nichelato Fin.12) |                                | Frontale |
|--------------------------------------|--------------------------------|----------|
| con borchie                          | senza borchie                  | 24x3     |
| 0E300-12<br>L=63,2 (27,7-38,5)       | 0E300-41<br>L=63,2 (27,7-38,5) |          |

E= 35mm

| Contropiastra Regolabile in Metallo |                  |          | Deviatori          |
|-------------------------------------|------------------|----------|--------------------|
| A                                   | B                | C        |                    |
| 06463-22                            | 06463-22<br>(17) | 06465-22 | 06465-22<br>(pz.2) |
| (17) = inserto rullo art. 06141-71  |                  |          |                    |

| CILINDRO SAGOMATO (Nichelato Fin.12) |                                | Frontale |
|--------------------------------------|--------------------------------|----------|
| con borchie                          | senza borchie                  | 24x3     |
| 0E300-12<br>L=63,2 (27,7-38,5)       | 0E300-09<br>L=63,2 (27,7-38,5) |          |

E= 35mm

**A** art. 16525  
art. 46525

**B** art. 46550

**C** art. 46520

**A** art. 16525  
art. 46525

**B** art. 46550

**C** art. 46520

# M27

## Maniglioni antipanico

Panic exit bar

| <p><b>A</b></p> <p>art. 56357</p>   | <p><b>B</b></p> <p>art. 56357</p>   | <p><b>C</b></p> <p>art. 56357<br/>art. 06168-00<br/>Kit Multipunto<br/>Modulare<br/>24x3</p> | <p><b>D</b></p> <p>art. 06444-45</p> | <p><b>E</b></p> <p>art. 06444-21<br/>art. 06444-26-0</p> <p>art. 06443-00/05-0</p> |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
|---|-------------------------------------|--|--------------------------------------|--|--------------------------------------|---|-------------|----------------------------|---------------|----------------------------|----------|---------------|------------------|------------------|------------------------------------|---------------|------------------|------------------|------------------------------------|--|--------------------------------------|--|-------------|----------------------------|---------------|----------------------------|--|--|--|-----------------|
|   |                                     |  |                                      |  |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| <table border="1"> <thead> <tr> <th colspan="4">Contropiastra Regolabile in Metallo</th> <th>Frontale</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>B</td> <td>C</td> <td>D-E</td> <td rowspan="2">22x3</td> </tr> <tr> <td>06465-22</td> <td>06465-22 (16)</td> <td>06465-22 (pz. 3)</td> <td>06465-22 (pz. 2)</td> </tr> <tr> <td colspan="5">(17) = inserto nullo art. 06141-71</td> </tr> </tbody> </table> | Contropiastra Regolabile in Metallo |  |                                      |  | Frontale                             | A | B           | C                          | D-E           | 22x3                       | 06465-22 | 06465-22 (16) | 06465-22 (pz. 3) | 06465-22 (pz. 2) | (17) = inserto nullo art. 06141-71 |               |                  |                  |                                    | <table border="1"> <thead> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin.12)</th> </tr> </thead> <tbody> <tr> <td>con borchie</td> <td>0E300-12<br/>L=83 (217-235)</td> </tr> <tr> <td>senza borchie</td> <td>0E300-09<br/>L=63 (217-235)</td> </tr> </tbody> </table> | CILINDRO SAGOMATO (Nichelato Fin.12) |  | con borchie | 0E300-12<br>L=83 (217-235) | senza borchie | 0E300-09<br>L=63 (217-235) |  |  |  | <p>E= 100mm</p> |
| Contropiastra Regolabile in Metallo   |                                     |  |                                      | Frontale   |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| A   | B                                   | C  | D-E                                  | 22x3   |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| 06465-22  | 06465-22 (16)                       | 06465-22 (pz. 3)   | 06465-22 (pz. 2)                     |  |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| (17) = inserto nullo art. 06141-71  |                                     |  |                                      |  |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| CILINDRO SAGOMATO (Nichelato Fin.12)  |                                     |  |                                      |  |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| con borchie   | 0E300-12<br>L=83 (217-235)          |  |                                      |  |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| senza borchie   | 0E300-09<br>L=63 (217-235)          |  |                                      |  |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| <table border="1"> <thead> <tr> <th colspan="4">Contropiastra Regolabile in Metallo</th> <th>Frontale</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>B</td> <td>C</td> <td>D-E</td> <td rowspan="2">22x3</td> </tr> <tr> <td>06465-22</td> <td>06465-22 (16)</td> <td>06465-22 (pz. 3)</td> <td>06465-22 (pz. 2)</td> </tr> <tr> <td colspan="5">(17) = inserto nullo art. 06141-71</td> </tr> </tbody> </table> |                                     |  |                                      |  | Contropiastra Regolabile in Metallo  |   |             |                            | Frontale      | A                          | B        | C             | D-E              | 22x3             | 06465-22                           | 06465-22 (16) | 06465-22 (pz. 3) | 06465-22 (pz. 2) | (17) = inserto nullo art. 06141-71 |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| Contropiastra Regolabile in Metallo   |                                     |  |                                      | Frontale   |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| A   | B                                   | C  | D-E                                  | 22x3   |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| 06465-22  | 06465-22 (16)                       | 06465-22 (pz. 3)   | 06465-22 (pz. 2)                     |  |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| (17) = inserto nullo art. 06141-71  |                                     |  |                                      |  |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| <table border="1"> <thead> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin.12)</th> </tr> </thead> <tbody> <tr> <td>con borchie</td> <td>0E300-08<br/>L=82 (217-235)</td> </tr> <tr> <td>senza borchie</td> <td>0E300-05<br/>L=56 (217-237)</td> </tr> </tbody> </table>  |                                     |  |                                      |  | CILINDRO SAGOMATO (Nichelato Fin.12) |   | con borchie | 0E300-08<br>L=82 (217-235) | senza borchie | 0E300-05<br>L=56 (217-237) |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| CILINDRO SAGOMATO (Nichelato Fin.12)  |                                     |  |                                      |  |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| con borchie   | 0E300-08<br>L=82 (217-235)          |  |                                      |  |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| senza borchie   | 0E300-05<br>L=56 (217-237)          |  |                                      |  |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |
| <p>E= 100mm</p>   |                                     |  |                                      |  |                                      |   |             |                            |               |                            |          |               |                  |                  |                                    |               |                  |                  |                                    |  |                                      |  |             |                            |               |                            |  |  |  |                 |

## M28

### Serratura di sicurezza per fascia

Security lock for central crossbeam

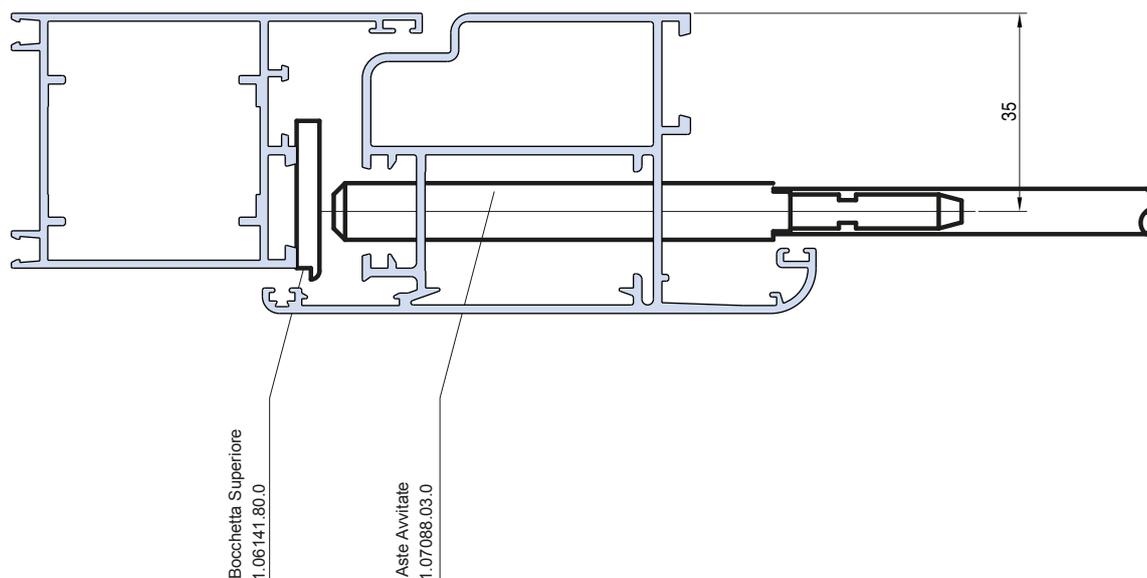
| <table border="1"> <tr> <th colspan="2">Contropiastre Regolabile in Metallo</th> <th colspan="2">Accessori</th> </tr> <tr> <td>A</td> <td>Deviatori</td> <td>Maniglia</td> <td>Aste</td> </tr> <tr> <td>06463-32</td> <td>06465-22<br/>(pz.2)</td> <td>07070-66-0-B1<br/>Funz. B/D</td> <td>-</td> </tr> <tr> <td colspan="2">Utilizzare salvaprofilo art. -</td> <td colspan="2">Bocchetta Pavimento art. -</td> </tr> </table>  | Contropiastre Regolabile in Metallo  |   | Accessori   |  | A | Deviatori | Maniglia | Aste           | 06463-32 | 06465-22<br>(pz.2) | 07070-66-0-B1<br>Funz. B/D | -                         | Utilizzare salvaprofilo art. - |  | Bocchetta Pavimento art. -        |                                   | <table border="1"> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin. 12)</th> <th>Frontale</th> </tr> <tr> <td colspan="2">con borchie</td> <td>24x3</td> </tr> <tr> <td>0E300-12<br/>L=822 (77,3x5)</td> <td>senza borchie</td> <td>0E300-41<br/>L=822 (77,3x5)</td> </tr> </table> | CILINDRO SAGOMATO (Nichelato Fin. 12) |  | Frontale | con borchie |  | 24x3 | 0E300-12<br>L=822 (77,3x5) | senza borchie | 0E300-41<br>L=822 (77,3x5) | <p>E = 40mm</p> | <p>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</p> |
|---|--|---|---|--|---|-----------|----------|----------------|----------|--------------------|----------------------------|---------------------------|--------------------------------|--|-----------------------------------|-----------------------------------|---|---------------------------------------|--|----------|-------------|--|------|----------------------------|---------------|----------------------------|-----------------|---|
| Contropiastre Regolabile in Metallo   |  | Accessori   |   |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| A   | Deviatori  | Maniglia  | Aste  |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| 06463-32  | 06465-22<br>(pz.2)   | 07070-66-0-B1<br>Funz. B/D  | -   |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| Utilizzare salvaprofilo art. -  |  | Bocchetta Pavimento art. -  |   |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| CILINDRO SAGOMATO (Nichelato Fin. 12)   |  | Frontale  |   |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| con borchie   |  | 24x3  |   |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| 0E300-12<br>L=822 (77,3x5)  | senza borchie  | 0E300-41<br>L=822 (77,3x5)  |   |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| <p><b>A</b></p>   | <p><b>C</b></p> <p>Maniglione quadro 9mm<br/>art. 59711-000<br/>art. 59711-010</p> <p>Quadro Maniglia<br/>art. 07085-77-0</p>                                    | <p>Maniglione quadro 8mm<br/>art. 59617120</p> <p>Barra Ovale<br/>art. 07007-XX</p> | <p>Maniglione quadro 8mm<br/>art. 59617120</p> <p>Barra Ovale<br/>art. 07007-XX</p> |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| <table border="1"> <tr> <th colspan="2">Contropiastre Regolabile in Metallo</th> <th colspan="2">Accessori</th> </tr> <tr> <td>A</td> <td>Deviatori</td> <td>Maniglia</td> <td>Bocchetta Aste</td> </tr> <tr> <td>43295-60</td> <td>06465-22<br/>(pz.2)</td> <td>07070-66-0-B1<br/>Funz. B/D</td> <td>07089-52<br/>(Facoltativo)</td> </tr> <tr> <td colspan="2">Utilizzare salvaprofilo art. -</td> <td>Bocchetta Pavimento art. 06142-85</td> <td>Bocchetta Superiore art. 06141-80</td> </tr> </table> | Contropiastre Regolabile in Metallo  |   | Accessori   |  | A | Deviatori | Maniglia | Bocchetta Aste | 43295-60 | 06465-22<br>(pz.2) | 07070-66-0-B1<br>Funz. B/D | 07089-52<br>(Facoltativo) | Utilizzare salvaprofilo art. - |  | Bocchetta Pavimento art. 06142-85 | Bocchetta Superiore art. 06141-80 | <table border="1"> <tr> <th colspan="2">CILINDRO SAGOMATO (Nichelato Fin. 12)</th> <th>Frontale</th> </tr> <tr> <td colspan="2">con borchie</td> <td>24x3</td> </tr> <tr> <td>0E300-12<br/>L=822 (77,3x5)</td> <td>senza borchie</td> <td>0E300-09<br/>L=822 (77,3x5)</td> </tr> </table> | CILINDRO SAGOMATO (Nichelato Fin. 12) |  | Frontale | con borchie |  | 24x3 | 0E300-12<br>L=822 (77,3x5) | senza borchie | 0E300-09<br>L=822 (77,3x5) | <p>E = 40mm</p> | <p>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</p> |
| Contropiastre Regolabile in Metallo   |  | Accessori   |   |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| A   | Deviatori  | Maniglia  | Bocchetta Aste  |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| 43295-60  | 06465-22<br>(pz.2)   | 07070-66-0-B1<br>Funz. B/D  | 07089-52<br>(Facoltativo)   |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| Utilizzare salvaprofilo art. -  |  | Bocchetta Pavimento art. 06142-85   | Bocchetta Superiore art. 06141-80   |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| CILINDRO SAGOMATO (Nichelato Fin. 12)   |  | Frontale  |   |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| con borchie   |  | 24x3  |   |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| 0E300-12<br>L=822 (77,3x5)  | senza borchie  | 0E300-09<br>L=822 (77,3x5)  |   |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |
| <p><b>A</b></p>   | <p>Art. 43725 Funz. A/D<br/>Art. 43735 Funz. B</p> <p>Maniglione quadro 9mm<br/>art. 59711-000<br/>art. 59711-010</p> <p>Quadro Maniglia<br/>art. 07085-77-0</p> | <p>Maniglione quadro 8mm<br/>art. 59617120</p> <p>Barra Ovale<br/>art. 07007-XX</p> | <p>Maniglione quadro 8mm<br/>art. 59617120</p> <p>Barra Ovale<br/>art. 07007-XX</p> |  |   |           |          |                |          |                    |                            |                           |                                |  |                                   |                                   |   |                                       |  |          |             |  |      |                            |               |                            |                 |   |

## M29

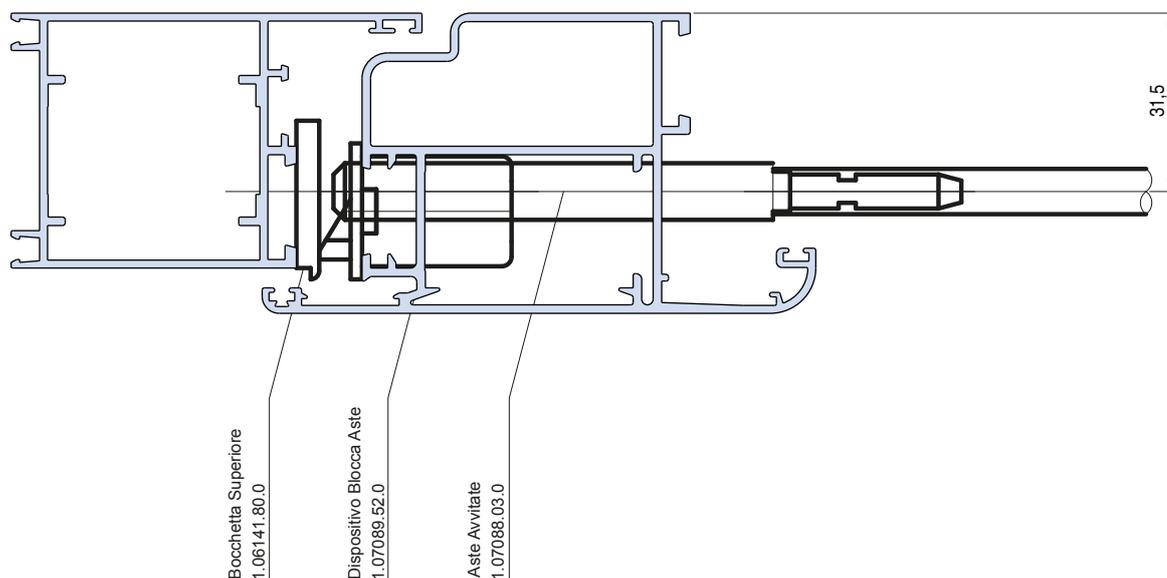
Maniglioni antipánico con serratura di sicurezza, riarmo manuale per chiusura superiore ed inferiore

*Panic exit bar with security lock, manual reset for upper and lower closing*

### inferiore-sezione verticale



### riarmo automatico per chiusure superiore ed inferiore sezione verticale





## 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 2.500 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 |   |



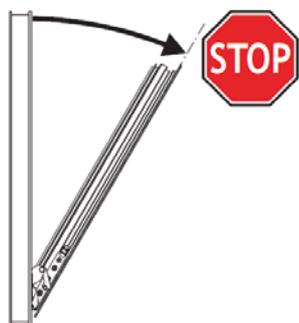
## Info prodotto 2107

09.02.2021

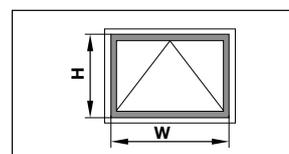
# KIT CERNIERE VASISTAS SECRET

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

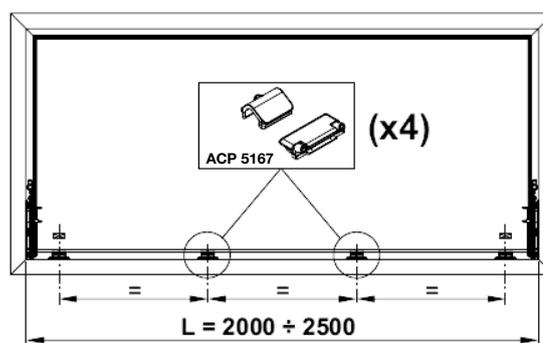
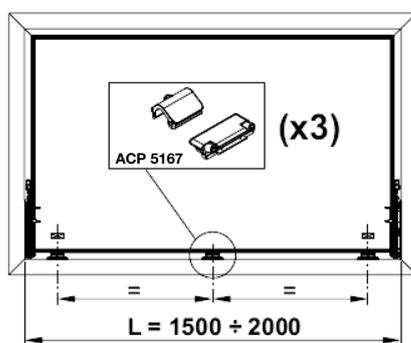
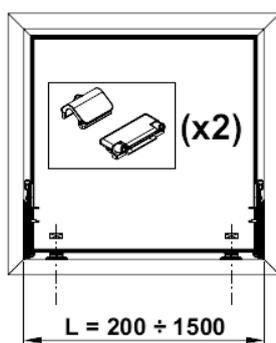


| Descrizione / Description      | Art./Item | KG     | W (mm)   | H (mm)   |
|--------------------------------|-----------|--------|----------|----------|
| Braccio limitatore di apertura | ACP 5165  | 130 kg | 200÷2500 | 420÷2500 |
| Kit vasistas                   | ACP 5171  | 250 kg | 780÷2500 | 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)





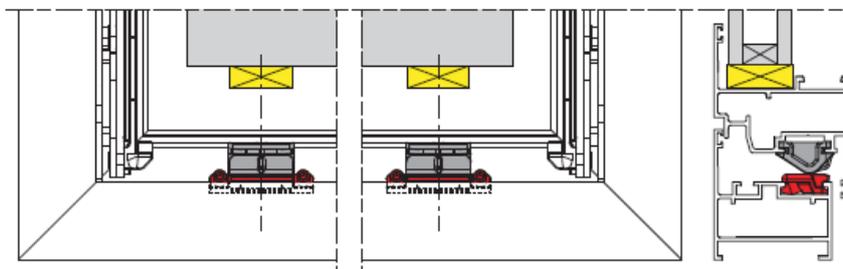
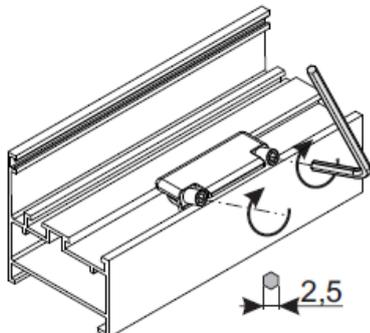
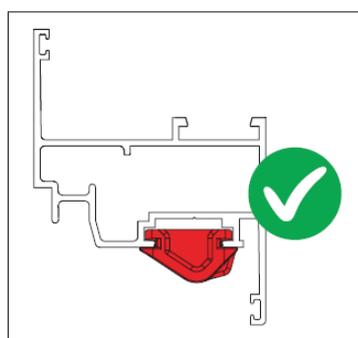
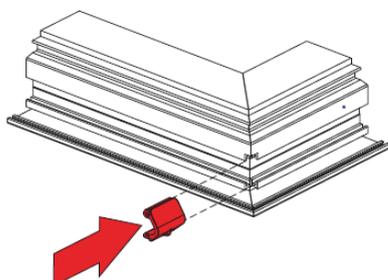
## Info prodotto 2107

09.02.2021

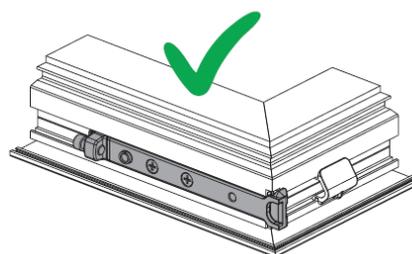
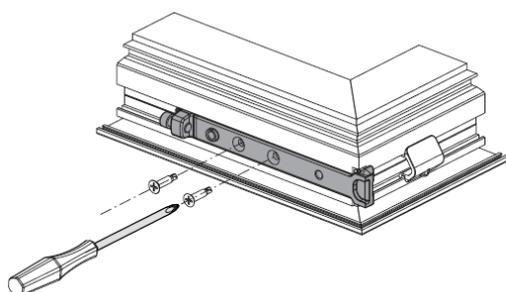
# KIT CERNIERE VASISTAS SECRET

## SEQUENZA DI INSTALLAZIONE

### 1 Sostegno anta



### 2 Componente ANTA





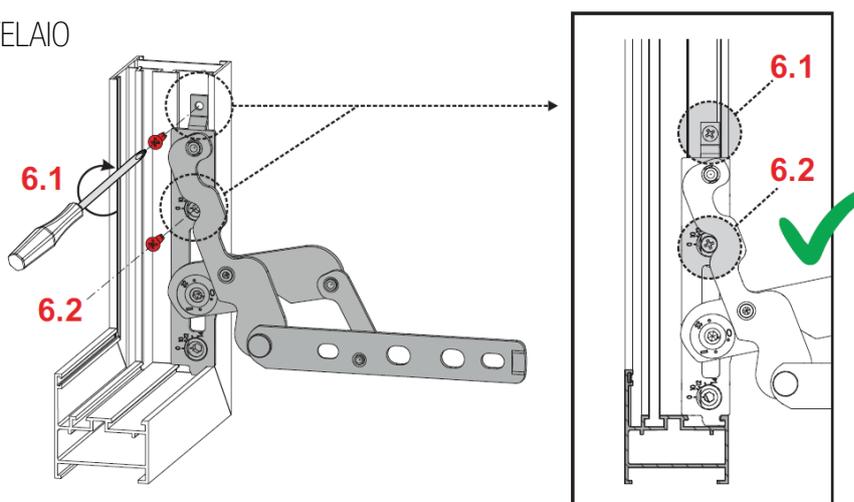
## Info prodotto 2107

09.02.2021

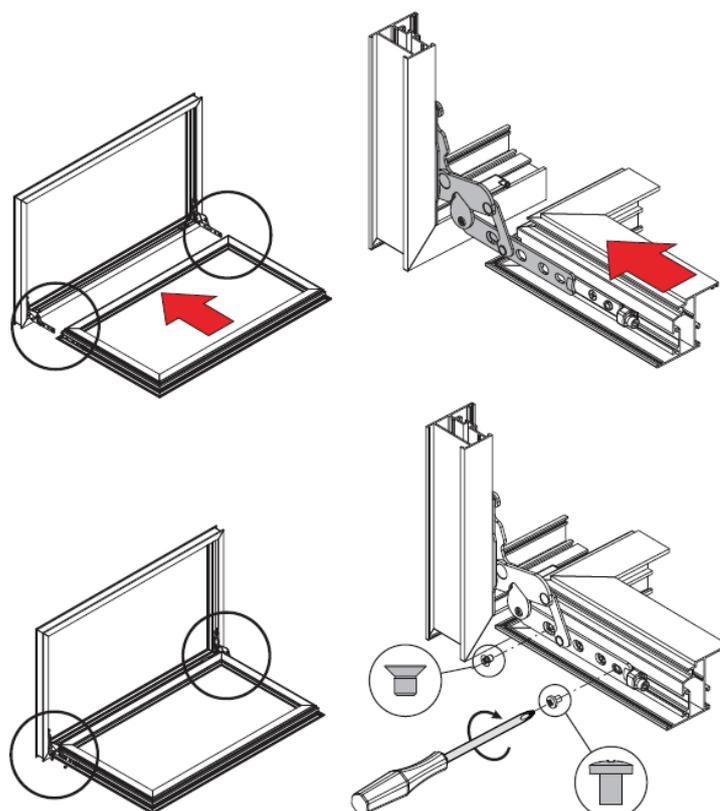
# KIT CERNIERE VASISTAS SECRET

## SEQUENZA DI INSTALLAZIONE

### 3 Componente TELAIO



### 4 Unione anta a telaio





## Info prodotto 2107

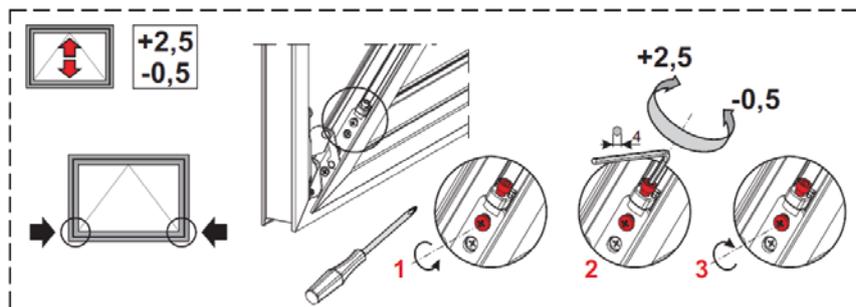
09.02.2021

# KIT CERNIERE VASISTAS SECRET

## REGOLAZIONI

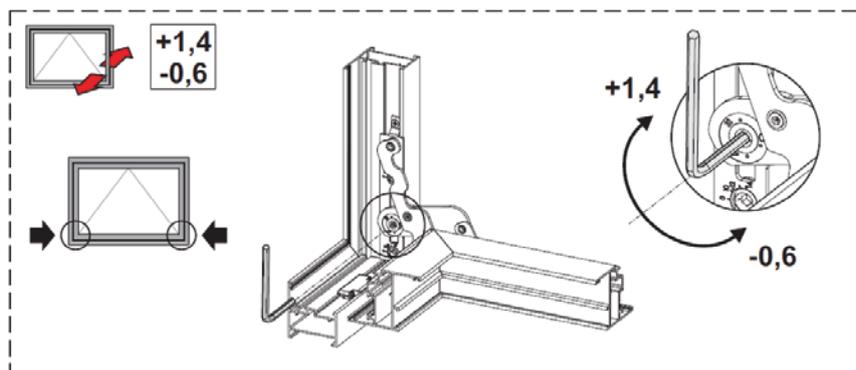
Regolazione in **altezza**:

+ 2,5 ÷ - 0,5 mm



Regolazione in **compressione**:

+ 1,4 ÷ - 0,6 mm





## Info prodotto 2109

29.09.2021

 it's my window

## NUOVI PROFILI PLANET 45

Data la tendenza architettonica orientata verso le linee squadrate  
Per la serie PLANET 45 sono stati realizzati i profili sotto elencati:

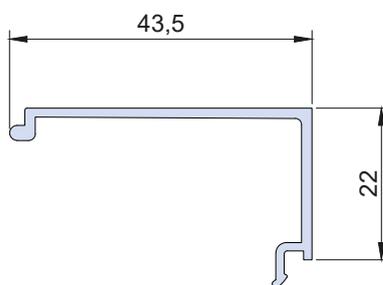
**Fermavetro cieco / chiudicava PL 2862;**

**Anta retta PL 2863;**

**Anta retta portoncino apertura esterna PL 2864;**

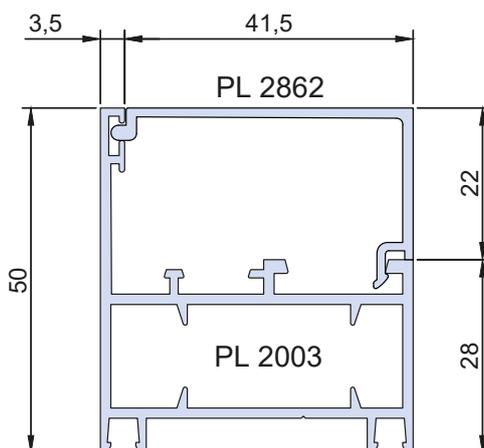
**Anta retta portoncino apertura interna PL 2865;**

Nelle pagine seguenti trovate le sagome dei profili in scala 1:1 con relative sezioni di riferimento.



PL 2862

293 gr/m

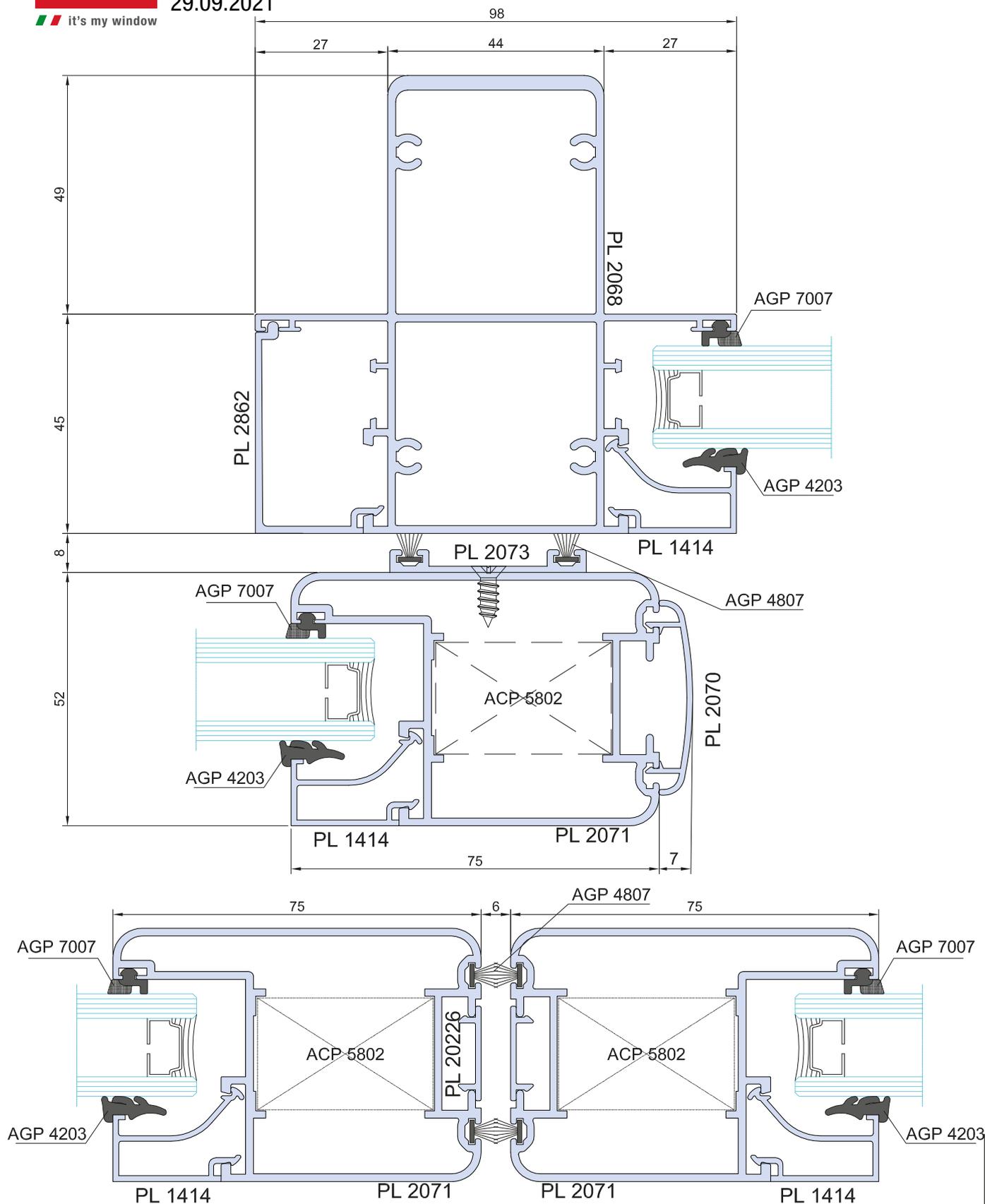


|                     |
|---------------------|
| EasyDoor            |
| Ecoslim 50 TT       |
| Ecoslim 62 TT       |
| Ecoslim 72 TT       |
| Elite Door 72       |
| Door 62             |
| Door 72             |
| Sirio 50            |
| Smart 30            |
| ● Planet 45         |
| Planet 50 TT        |
| 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 2109

29.09.2021



AGGIORNAMENTI  
UPDATES

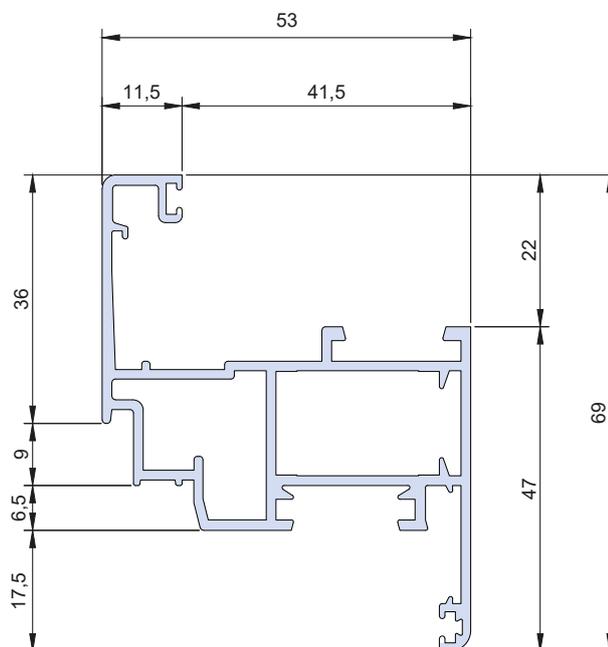


## Info prodotto 2109

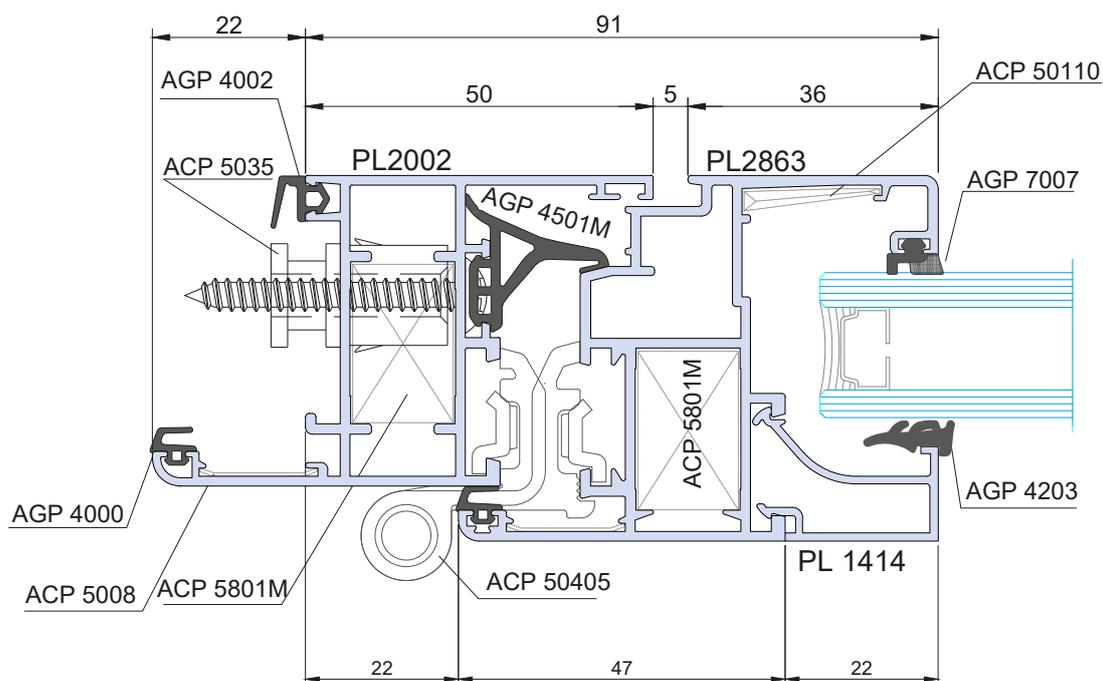
29.09.2021

PL 2863

1087 gr/m



Attenzione il nodo non è in scala 1:1



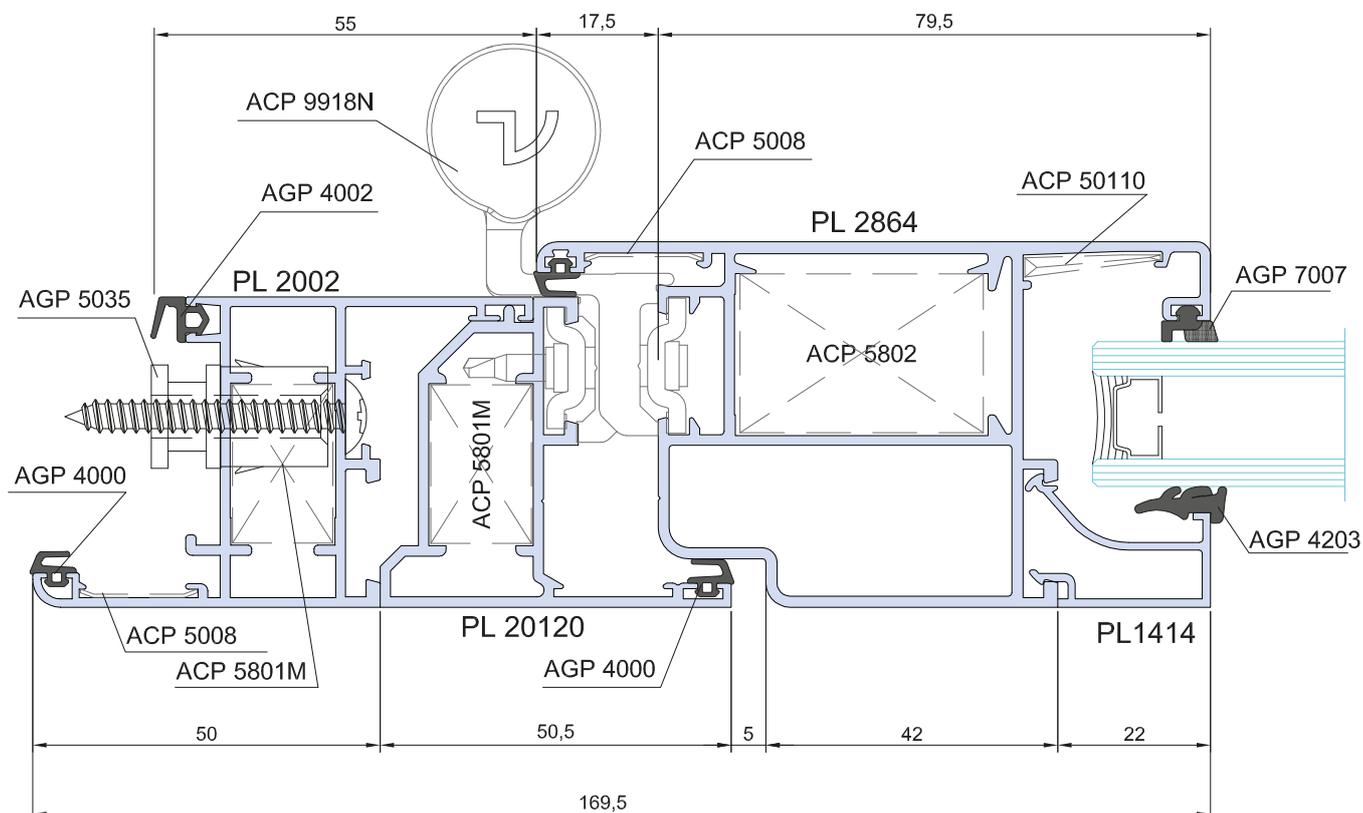
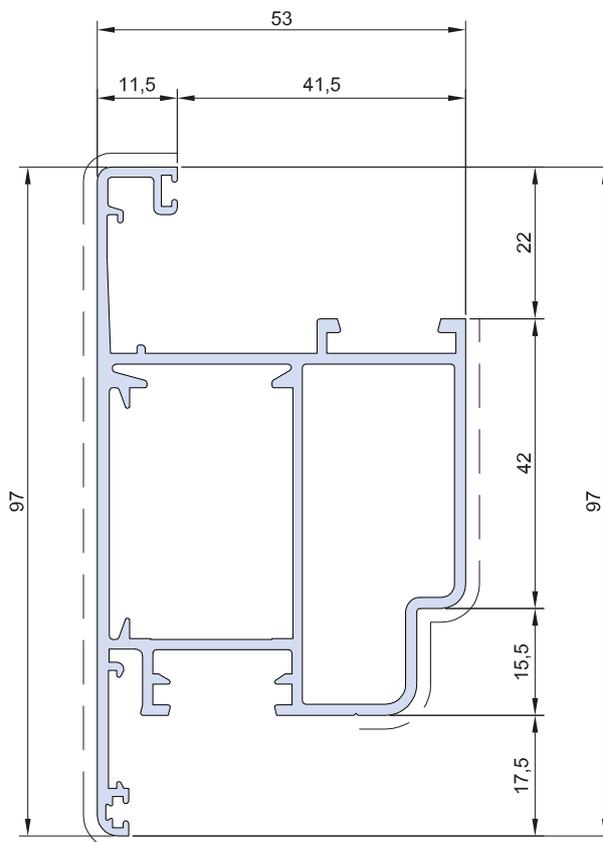


## Info prodotto 2109

29.09.2021

PL 2864

1551 gr/m

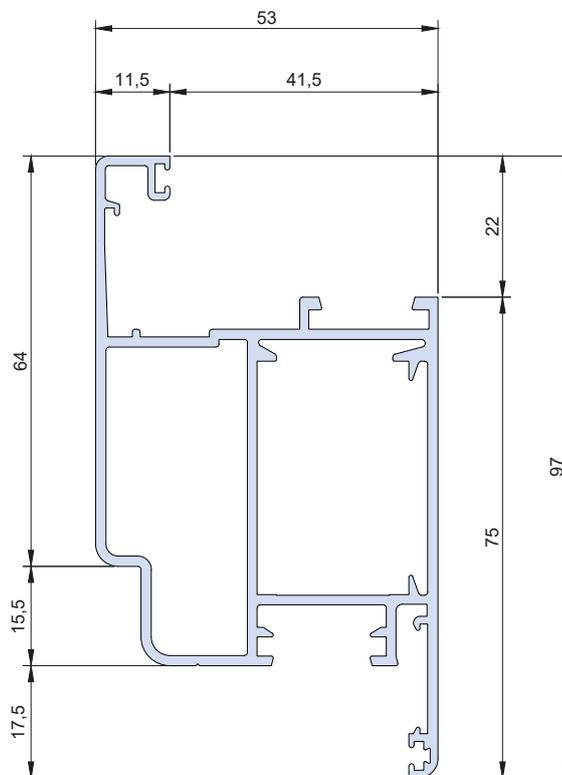




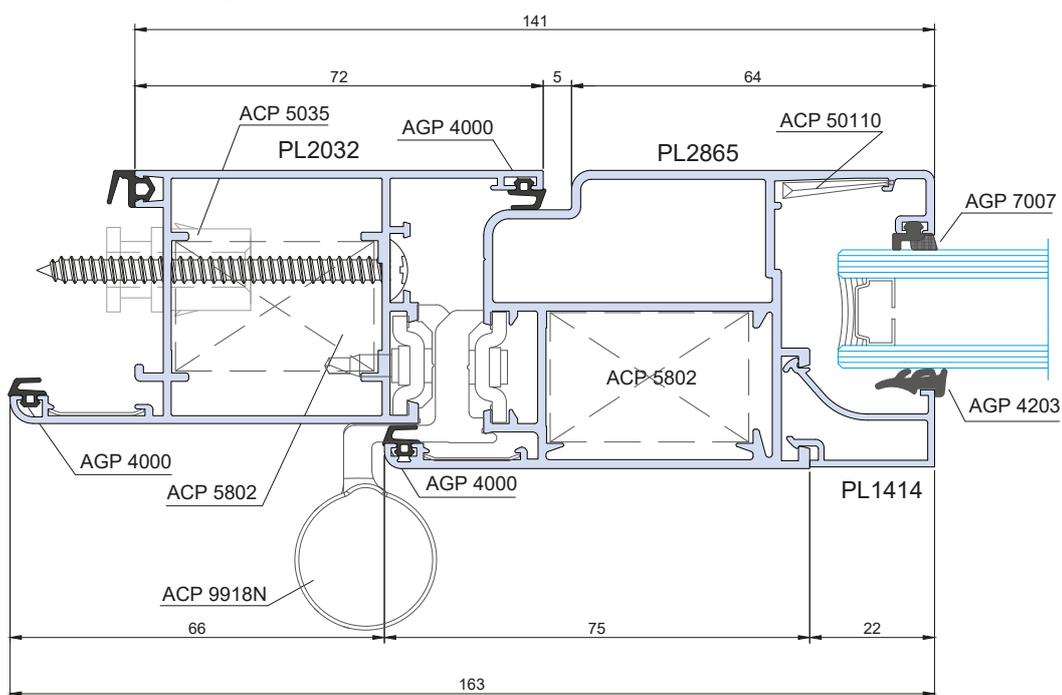
# Info prodotto 2109

29.09.2021

PL 2865  
1555 gr/m



Attenzione il nodo non è in scala 1:1





## Info prodotto 2204

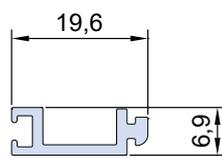
01.06.2022

it's my window

alsistem.com

## 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        |   |

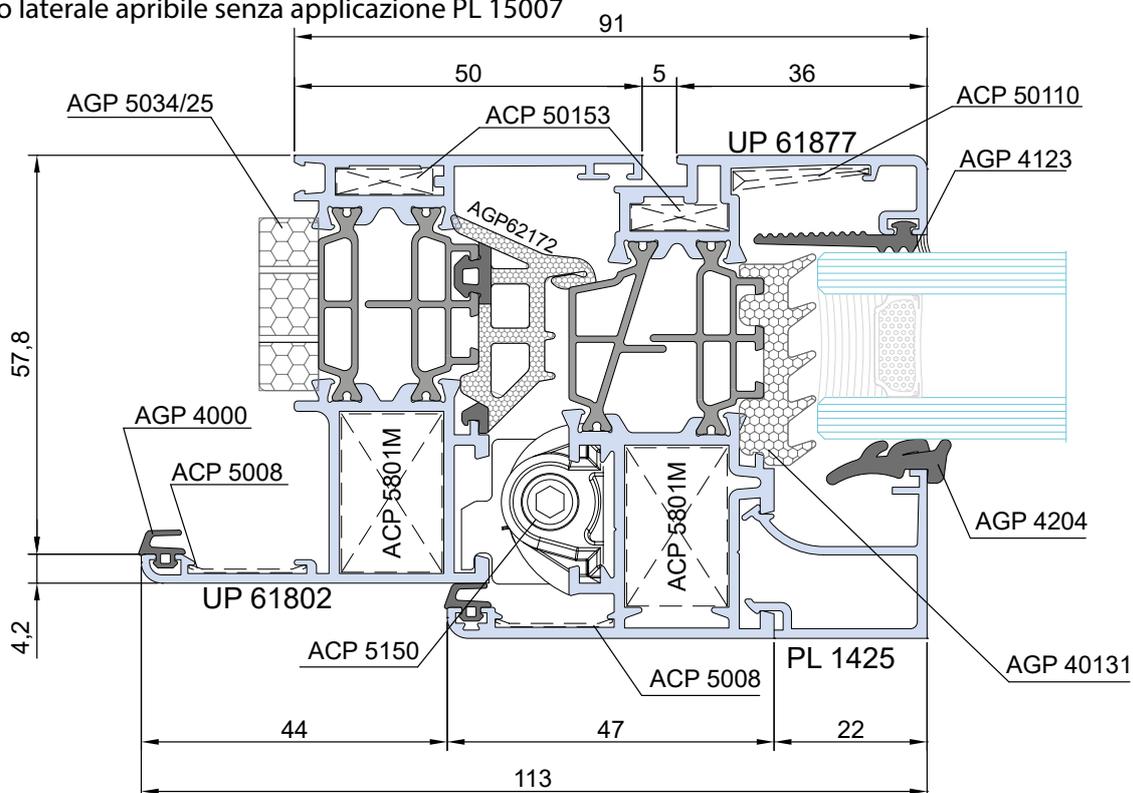


## Info prodotto 2204

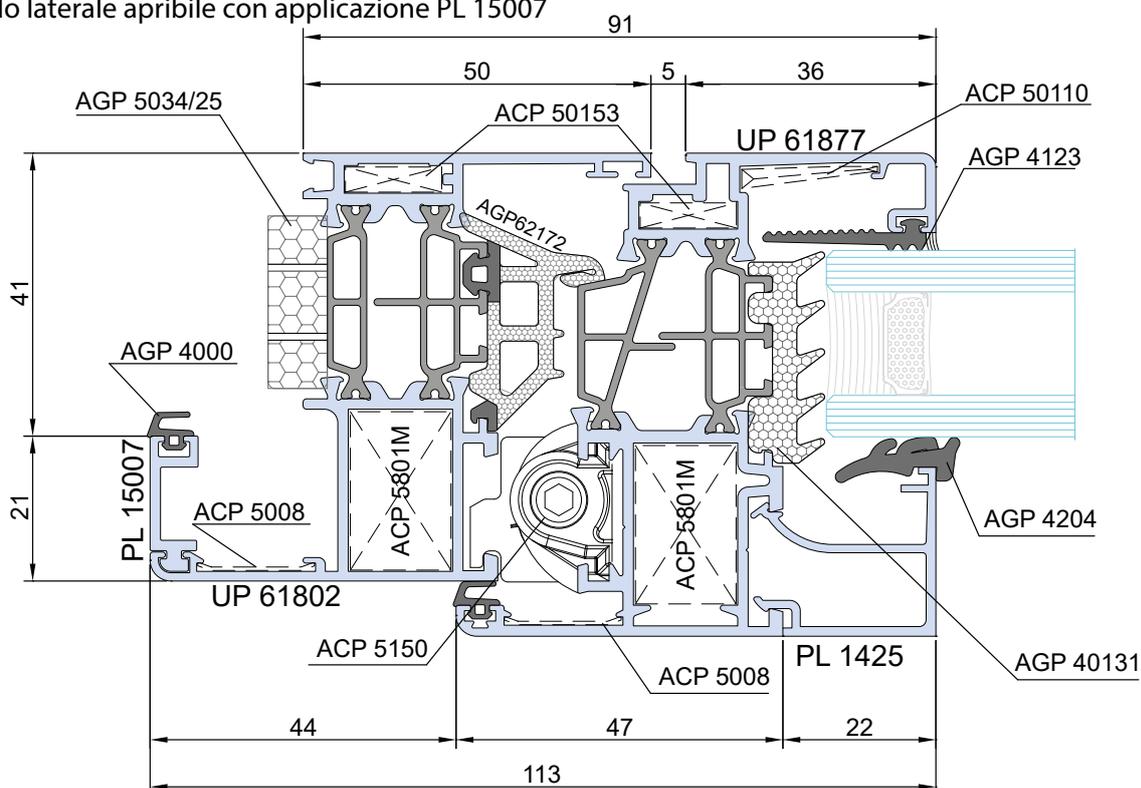
01.06.2022

it's my window

Nodo laterale apribile senza applicazione PL 15007



Nodo laterale apribile con applicazione PL 15007





## Info prodotto 2212

07.11.2022

alsistem.com

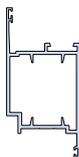
## Porte complanari PLANET 45

La gamma delle tipologie realizzabili con la serie PLANET 45 si amplia con una nuova soluzione, portoncino con ante complanari al telaio. La realizzazione di questa nuova soluzione ha richiesto la costruzione di quattro nuovi profili:

- Due ante, PL 2866 e PL 2868, una per apertura interna ed una per apertura esterna, entrambe offrono la possibilità di utilizzare diverse tipologie di serratura, possono essere abbinare al profilo porta spazzolino PL 20115 ed al relativo set di tappi per le tipologie con anta a giro. Inoltre, effettuando una semplice lavorazione, le ante possono essere utilizzate anche come telai;

- Due profili adattatori, PL 2867 e PL 2869, uno per l'apertura interna e l'altro per l'apertura esterna, da applicare sull'attuale telaio PL 2033 per renderlo utilizzabile in combinazione con le nuove ante.

Di seguito trovate le sagome dei vari profili con i relativi codici, descrizioni, nodi esplicativi e distinte di taglio.

| Sagoma  | Art.    | Descrizione   | Peso gr/m | Jxx cm <sup>4</sup><br>Jyy cm <sup>4</sup> |
|---|---------|---|-----------|--|
|  | PL 2866 | Anta apertura interna porte complanari PLANET 45        | 1366      | 15,74<br>26,87                             |
|  | PL 2867 | Riporto per aperture interne porte complanari PLANET 45 | 598       | 4,27<br>1,19                               |
|  | PL 2868 | Anta apertura esterna porte complanari PLANET 45        | 1388      | 15,08<br>26,42                             |
|  | PL 2869 | Riporto per aperture esterne porte complanari PLANET 45 | 966       | 7,93<br>5,47                               |

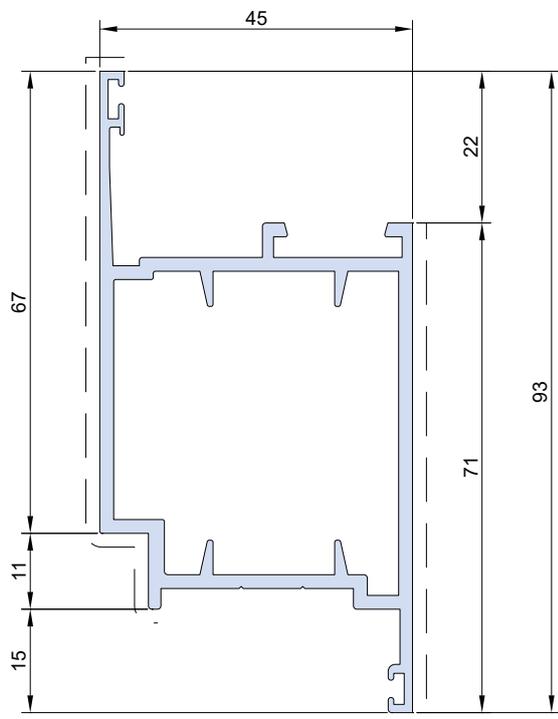
|                   |
|-------------------|
| EasyDoor          |
| Ecoslim 50 TT     |
| Ecoslim 62 TT     |
| Ecoslim 62 UP     |
| Ecoslim 72 TT     |
| Ecoslim 72 UP     |
| Elite Door 72     |
| Door 62           |
| Door 72           |
| Sirfo 50          |
| Smart 30          |
| ● Planet 45       |
| 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 2212

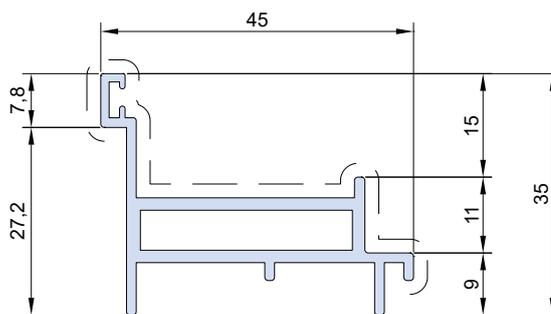
07.11.2022

it's my window



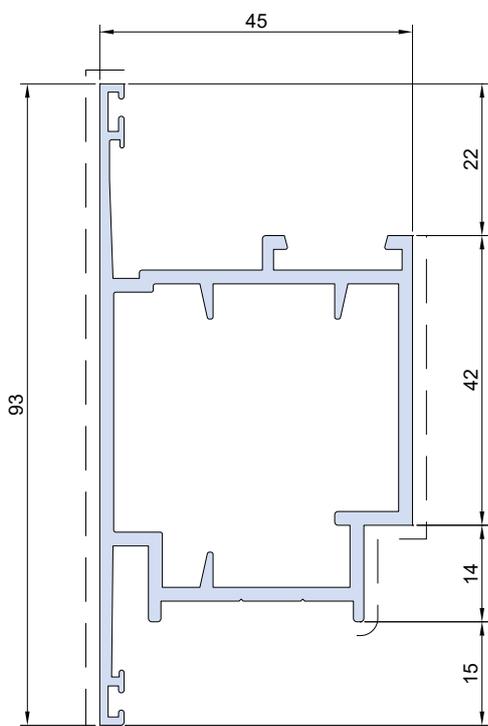
**PL 2866**

gr/m 1366



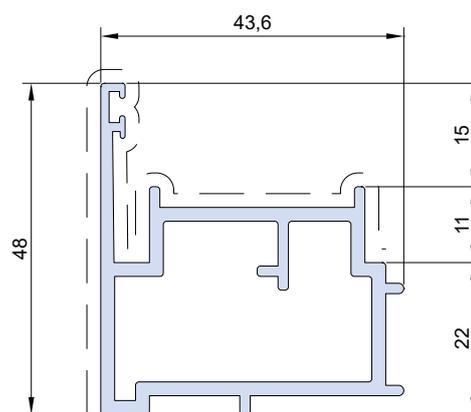
**PL 2867**

gr/m 598



**PL 2868**

gr/m 1388



**PL 2869**

gr/m 966

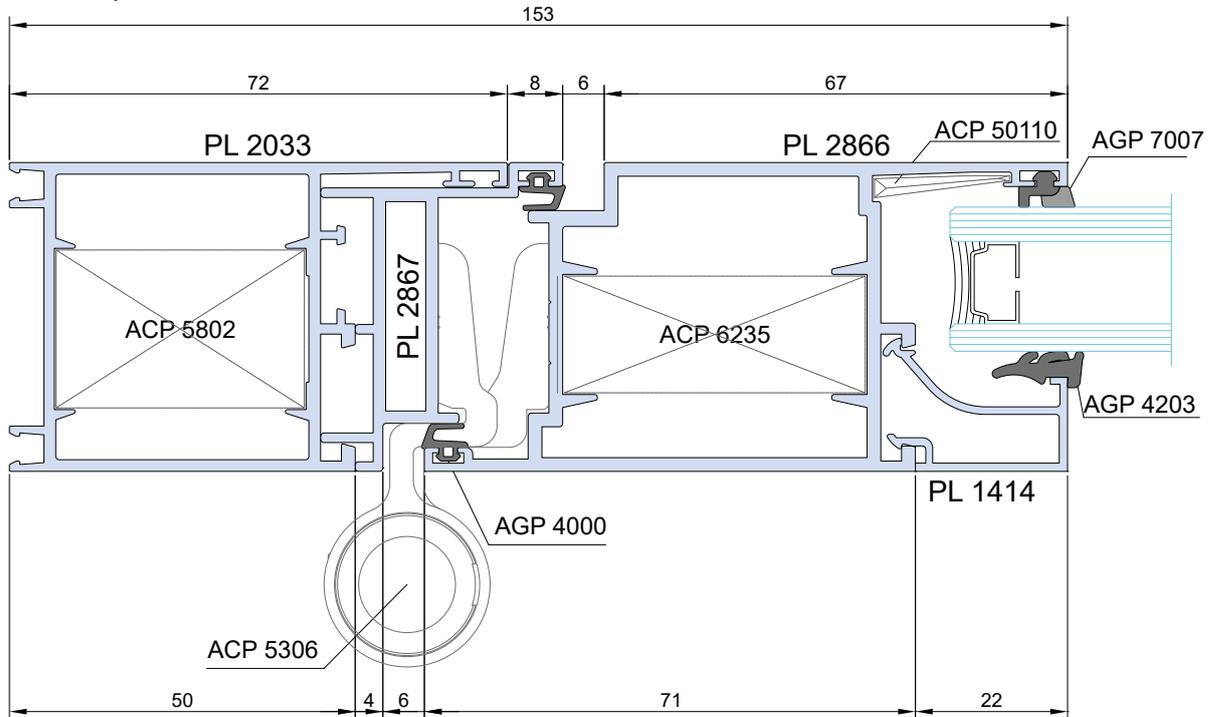


## Info prodotto 2212

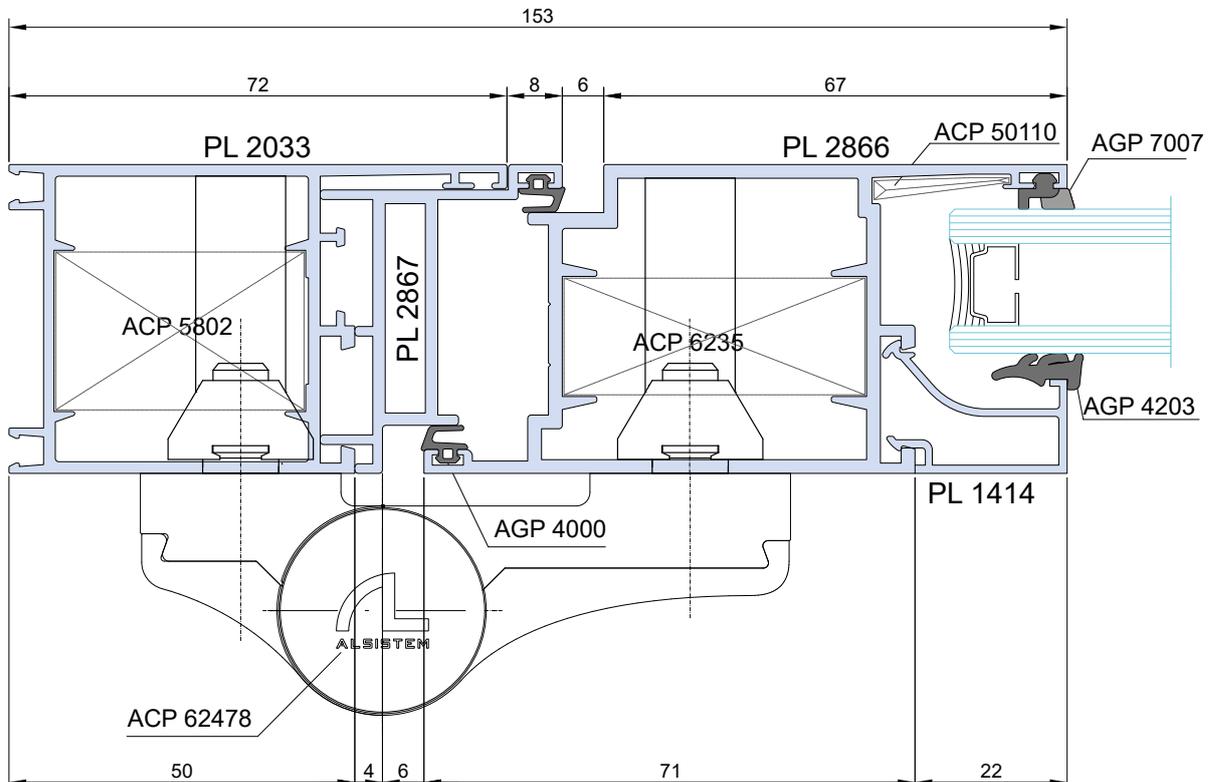
07.11.2022

alsistem.com

### Nodo laterale apertura interna



### Nodo laterale apertura interna



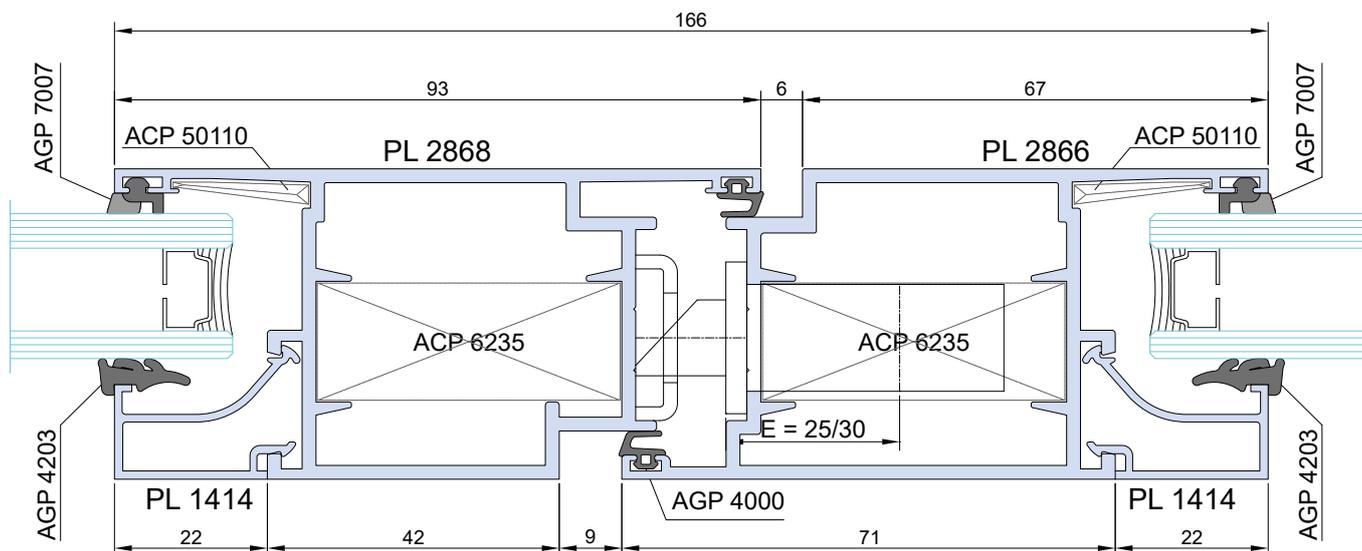


## Info prodotto 2212

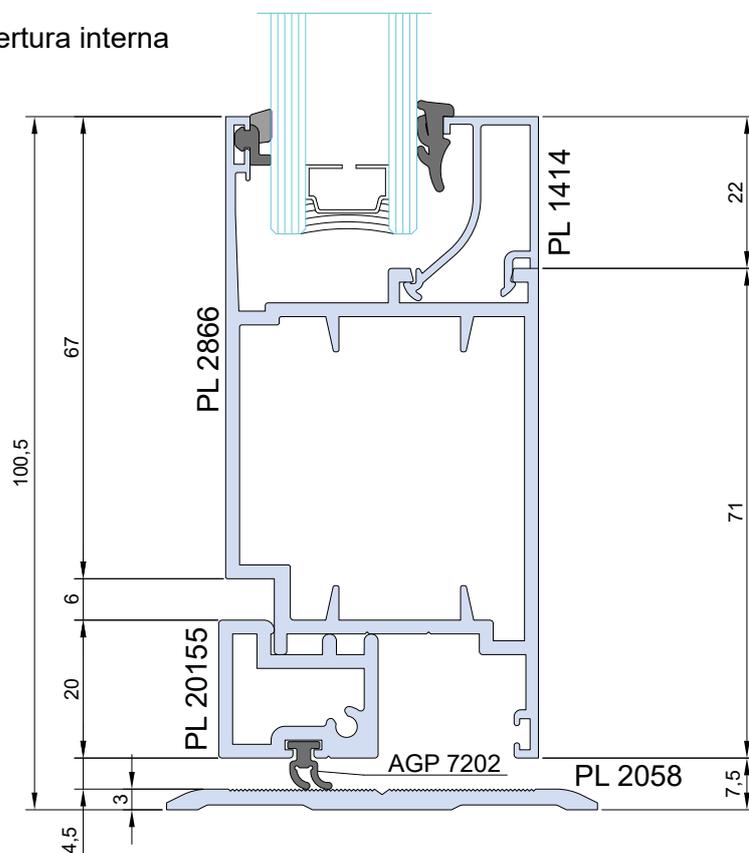
07.11.2022

it's my window

### Nodo centrale apertura interna



### Nodo inferiore apertura interna



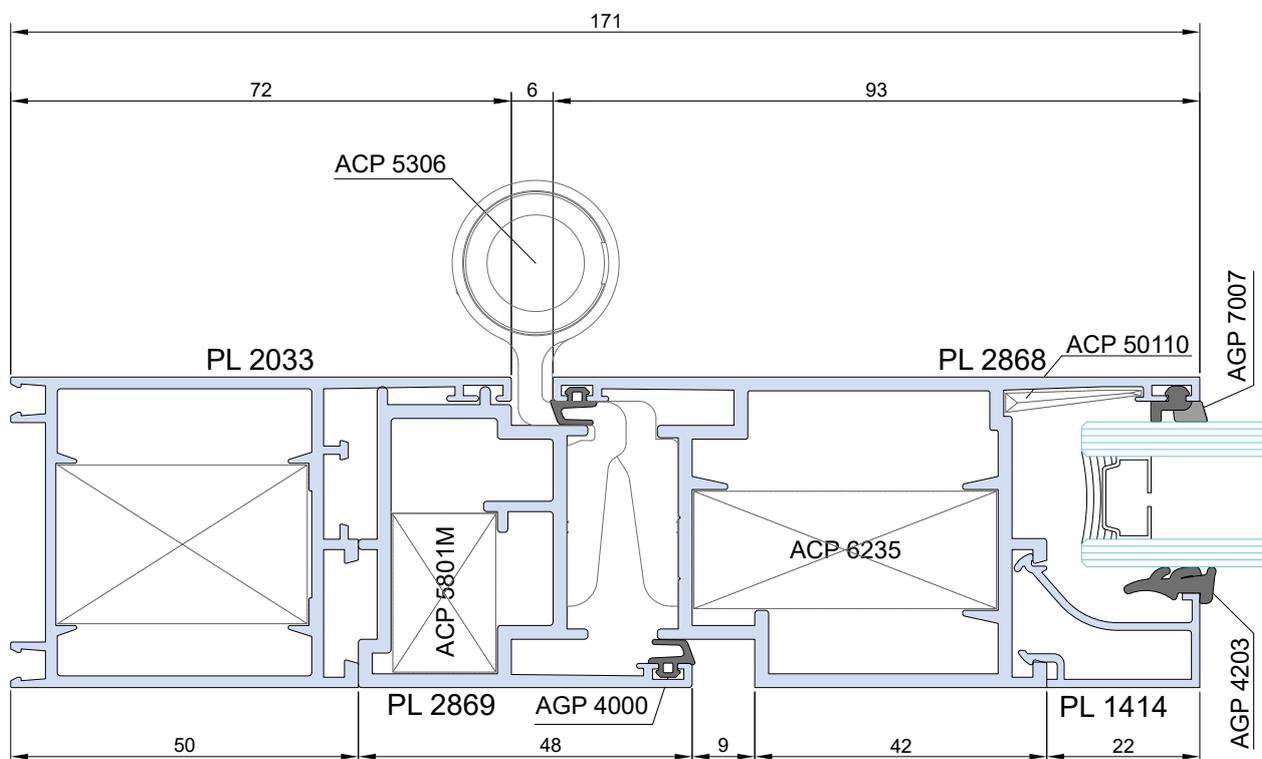


## Info prodotto 2212

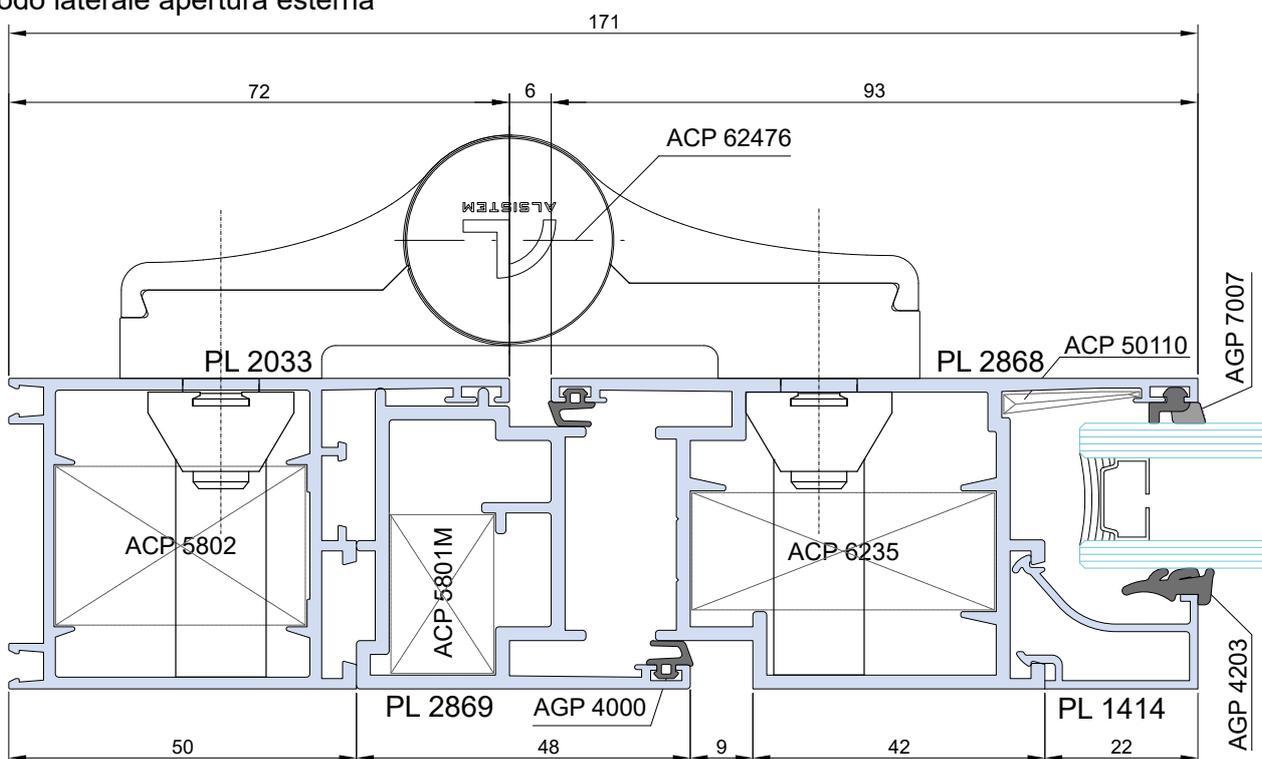
07.11.2022

it's my window

### Nodo laterale apertura esterna



### Nodo laterale apertura esterna





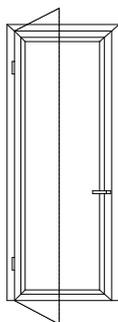


## Info prodotto 2212

07.11.2022

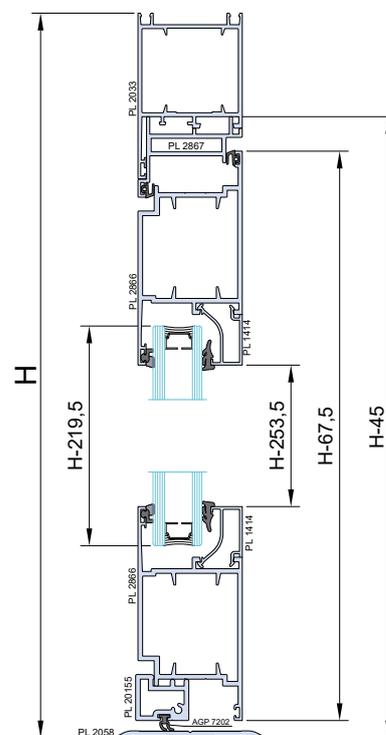
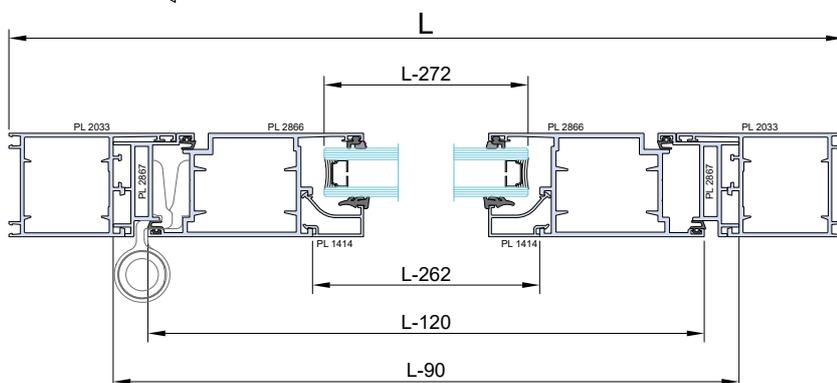
alsistem.com

### porta 1 anta apertura interna



#### distinta vetri

| nr. pezzi | L     | H       |
|-----------|-------|---------|
| 1         | L-272 | H-219,5 |



#### distinta profili

| articolo | descrizione          | pezzi | misura  | taglio |
|----------|----------------------|-------|---------|--------|
| PL 2058  | soglia               | 1     | L-144   |        |
| PL 2033  | traverso telaio sup. | 1     | L       |        |
|          | montante telaio      | 2     | H       |        |
| PL 2867  | traverso riporto     | 1     | L-90    |        |
|          | montante riporto     | 2     | H-45    |        |
| PL 2866  | traverso anta        | 2     | L-120   |        |
|          | montante anta        | 2     | H-67,5  |        |
| PL 1414  | traverso fermavetro  | 2     | L-262   |        |
|          | montante fermavetro  | 2     | H-253,5 |        |
| PL 20155 | portaspazzolino      | 1     | L-176   |        |

#### distinta guarnizioni

| articolo          | descrizione   | pezzi  | misura         |
|-------------------|---------------|--------|----------------|
| AGP 4000          | battuta       | 2<br>4 | L<br>H         |
| dipende dal vetro | vetro interna | 2<br>2 | L-290<br>H-240 |
| AGP 7007          | vetro esterna | 2<br>2 | L-290<br>H-240 |
| AGP 7202          | sottoporta    | 1      | L-176          |

#### distinta accessori

| articolo  | descrizione                          | q.tà  |
|-----------|--------------------------------------|-------|
| ACP 5802  | squadretta maggiorata multif.        | 2 pz  |
| ACP 6235  | squadretta multif. con foro catenac. | 4 pz  |
| ACP 5800  | spina per ACP 5802 e ACP6235         | 12 pz |
| ACP 50110 | squadretta all. eccentrico           | 4 pz  |
| ACP 5306  | cerniera                             | 3 pz  |
| ACP 50239 | doppia maniglia Aurora               | 1 pz  |
|           |                                      |       |
|           |                                      |       |

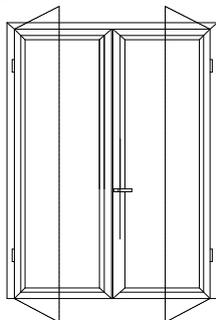


## Info prodotto 2212

07.11.2022

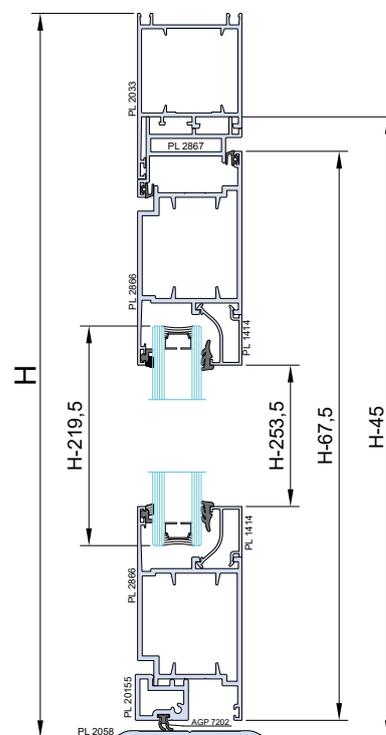
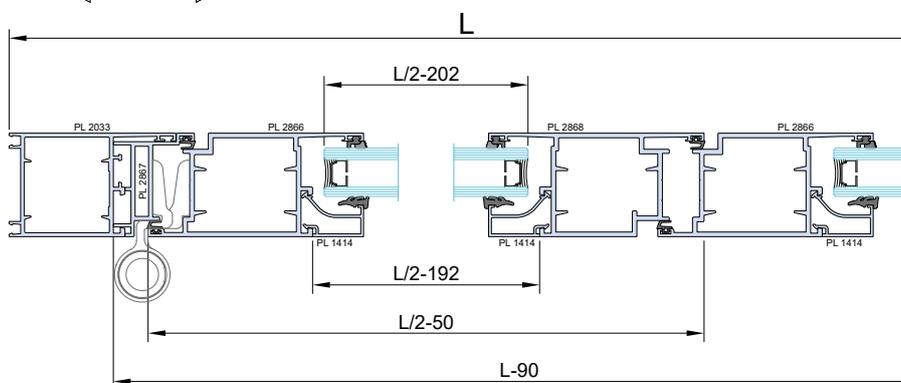


### porta 2 ante apertura interna



#### distinta vetri

| nr. pezzi | L       | H       |
|-----------|---------|---------|
| 2         | L/2-202 | H-219,5 |



#### distinta profili

| articolo | descrizione          | pezzi | misura  | taglio  |
|----------|----------------------|-------|---------|---|
| PL 2058  | soglia               | 1     | L-144   |  |
| PL 2033  | traverso telaio sup. | 1     | L       |  |
|          | montante telaio      | 2     | H       |  |
| PL 2867  | traverso riporto     | 1     | L-90    |  |
|          | montante riporto     | 2     | H-45    |  |
| PL 2866  | traverso anta        | 4     | L/2-50  |  |
|          | montante anta        | 3     | H-67,5  |  |
| PL 2868  | montante anta        | 1     | H-67,5  |  |
| PL 1414  | traverso fermavetro  | 4     | L/2-192 |  |
|          | montante fermavetro  | 4     | H-253,5 |  |
| PL 20155 | portaspazzolino      | 1     | L/2-80  |  |
|          | portaspazzolino      | 1     | L/2-106 |  |

#### distinta guarnizioni

| articolo          | descrizione   | pezzi  | misura            |
|-------------------|---|--------|-------------------|
| AGP 4000          |  battuta       | 2<br>6 | L<br>H            |
| dipende dal vetro |  vetro interna | 4<br>4 | L/2-222<br>H-240  |
| AGP 7007          |  vetro esterna | 4<br>4 | L/2-222<br>H-240  |
| AGP 7202          |  sottoporta    | 1<br>1 | L/2-80<br>L/2-106 |

#### distinta accessori

| articolo  | descrizione                          | q.tà  |
|-----------|--------------------------------------|-------|
| ACP 5802  | squadretta maggiorata multif.        | 2 pz  |
| ACP 6235  | squadretta multif. con foro catenac. | 8 pz  |
| ACP 5800  | spina per ACP 5802 e ACP6235         | 20 pz |
| ACP 50110 | squadretta all. eccentrico           | 8 pz  |
| ACP 5306  | cerniera                             | 6 pz  |
| ACP 50239 | doppia maniglia Aurora               | 1 pz  |
|           |                                      |       |
|           |                                      |       |

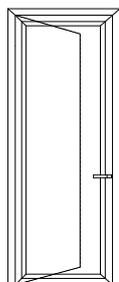


## Info prodotto 2212

07.11.2022

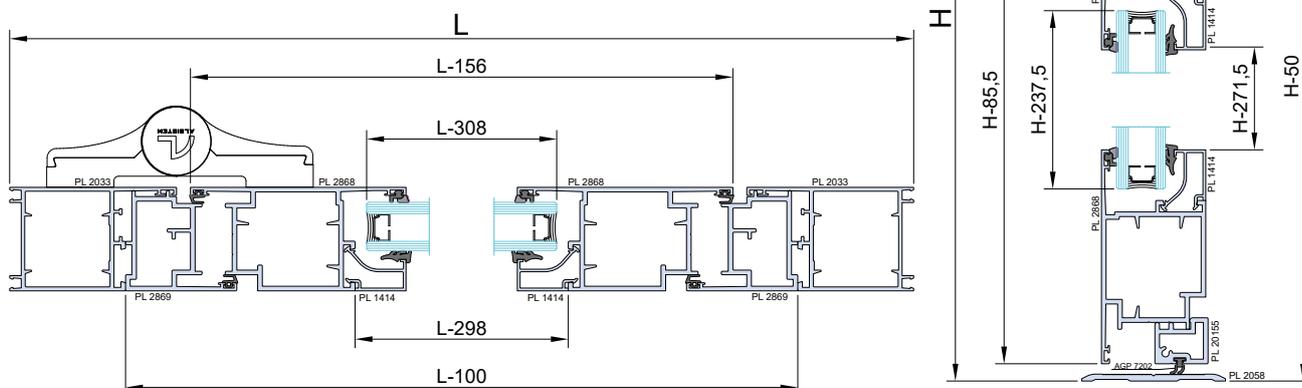
alsistem.com

### porta 1 anta apertura esterna



#### distinta vetri

| nr. pezzi | L     | H       |
|-----------|-------|---------|
| 1         | L-308 | H-237,5 |



#### distinta profili

| articolo | descrizione          | pezzi | misura  | taglio |
|----------|----------------------|-------|---------|--------|
| PL 2058  | soglia               | 1     | L-144   |        |
| PL 2033  | traverso telaio sup. | 1     | L       |        |
|          | montante telaio      | 2     | H       |        |
| PL 2869  | traverso riporto     | 1     | L-100   |        |
|          | montante riporto     | 2     | H-50    |        |
| PL 2868  | traverso anta        | 2     | L-156   |        |
|          | montante anta        | 2     | H-85,5  |        |
| PL 1414  | traverso fermavetro  | 2     | L-298   |        |
|          | montante fermavetro  | 2     | H-271,5 |        |
| PL 20155 | portaspazzolino      | 1     | L-160   |        |

#### distinta guarnizioni

| articolo          | descrizione   | pezzi | misura |
|-------------------|---------------|-------|--------|
| AGP 4000          | battuta       | 2     | L      |
|                   |               | 4     | H      |
| dipende dal vetro | vetro interna | 2     | L-328  |
|                   |               | 2     | H-258  |
| AGP 7007          | vetro esterna | 2     | L-328  |
|                   |               | 2     | H-258  |
| AGP 7202          | sottoporta    | 1     | L-160  |

#### distinta accessori

| articolo  | descrizione                          | q.tà  |
|-----------|--------------------------------------|-------|
| ACP 5801M | squadretta multifunzione             | 2 pz  |
| ACP 5802  | squadretta maggiorata multif.        | 2 pz  |
| ACP 6235  | squadretta multif. con foro catenac. | 4 pz  |
| ACP 5800  | spina per ACP 5802 e ACP6235         | 16 pz |
| ACP 50110 | squadretta all. eccentrico           | 4 pz  |
| ACP 62476 | cerniera                             | 3 pz  |
| ACP 62481 | kit contropiastre                    | 3 kit |
| ACP 50239 | doppia maniglia Aurora               | 1 pz  |

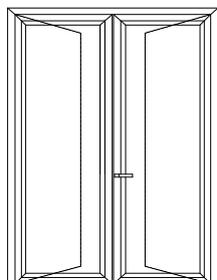


## Info prodotto 2212

07.11.2022

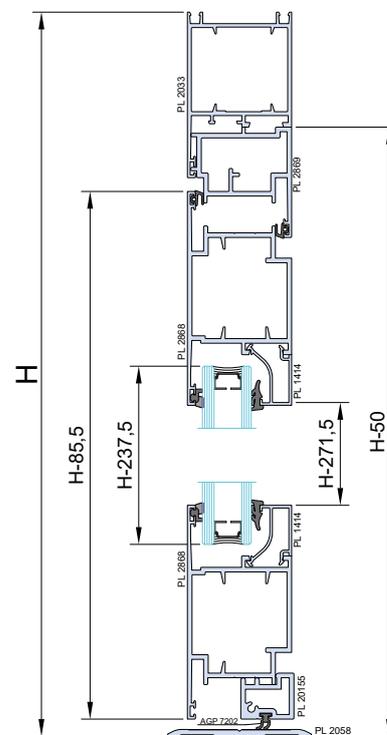
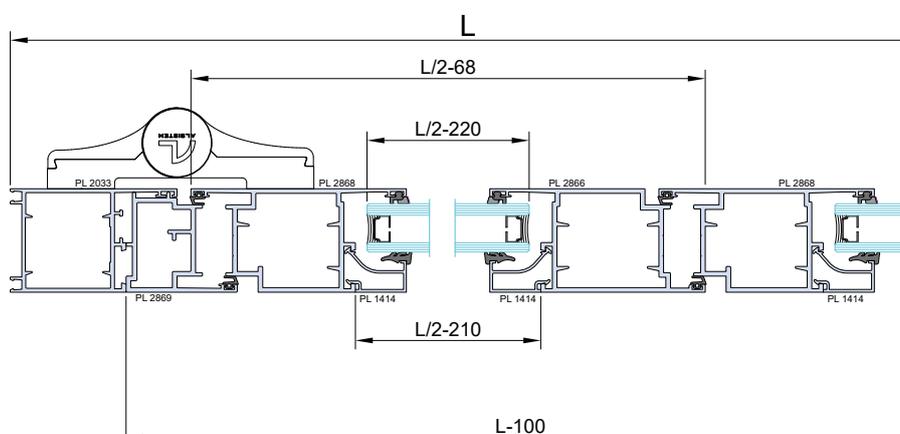
it's my window

### porta 2 ante apertura esterna



#### distinta vetri

| nr. pezzi | L       | H       |
|-----------|---------|---------|
| 2         | L/2-220 | H-237,5 |



#### distinta profili

| articolo | descrizione          | pezzi | misura  | taglio  |
|----------|----------------------|-------|---------|---|
| PL 2058  | soglia               | 1     | L-144   |  |
| PL 2033  | traverso telaio sup. | 1     | L       |  |
|          | montante telaio      | 2     | H       |  |
| PL 2869  | traverso riporto     | 1     | L-100   |  |
|          | montante riporto     | 2     | H-50    |  |
| PL 2868  | traverso anta        | 4     | L/2-68  |  |
|          | montante anta        | 3     | H-85,5  |  |
| PL 2866  | montante anta        | 1     | H-85,5  |  |
| PL 1414  | traverso fermavetro  | 4     | L/2-210 |  |
|          | montante fermavetro  | 4     | H-271,5 |  |
| PL 20155 | portaspazzolino      | 1     | L/2-72  |  |
|          | portaspazzolino      | 1     | L/2-98  |  |

#### distinta guarnizioni

| articolo          | descrizione   | pezzi  | misura           |
|-------------------|---|--------|------------------|
| AGP 4000          |  battuta       | 2<br>6 | L<br>H           |
| dipende dal vetro |  vetro interna | 4<br>4 | L/2-240<br>H-258 |
| AGP 7007          |  vetro esterna | 4<br>4 | L/2-240<br>H-258 |
| AGP 7202          |  sottoporta    | 1<br>1 | L/2-72<br>L/2-98 |

#### distinta accessori

| articolo  | descrizione                          | q.tà  |
|-----------|--------------------------------------|-------|
| ACP 5801M | squadretta multifunzione             | 2 pz  |
| ACP 5802  | squadretta maggiorata multif.        | 2 pz  |
| ACP 6235  | squadretta multif. con foro catenac. | 8 pz  |
| ACP 5800  | spina per ACP 5802 e ACP6235         | 24 pz |
| ACP 50110 | squadretta all. eccentrico           | 8 pz  |
| ACP 62476 | cerniera                             | 6 pz  |
| ACP 62481 | kit contropiastre                    | 6 kit |
| ACP 50239 | doppia maniglia Aurora               | 1 pz  |



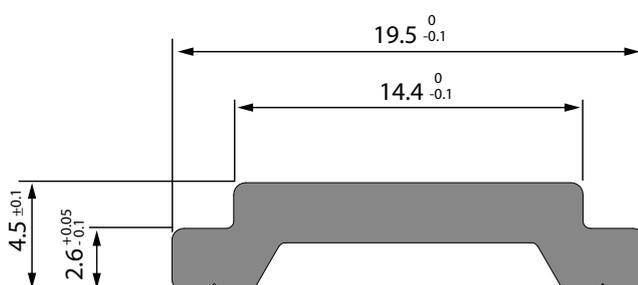
## Info prodotto 2305

10.07.2023

alsistem.com

## Tac 1000

L'art. TAC 1000, astina di comando ALSistem, per la movimentazione dei sistemi di chiusura, rispetta le tolleranze geometriche e le caratteristiche meccaniche e termiche di seguito riportate.



### PROPRIETA' MECCANICHE

| Tipologia Test                   | Norma di riferimento | Unità di misura   | Valori |
|----------------------------------|----------------------|-------------------|--------|
| Resistenza alla trazione         | ISO 527              | MPa               | ≥ 100  |
| Modulo di elasticità in tensione | ISO 527              | MPa               | ≥ 5500 |
| Deformazione a rottura           | ISO 527              | %                 | ≥ 2,5  |
| Resistenza all'urto              | ISO 179              | kJ/m <sup>2</sup> | ≥ 25   |

### PROPRIETA' TERMICHE

| Caratteristiche                                 | Norma di riferimento | Unità di misura | Valori                     |
|---|----------------------|-----------------|----------------------------|
| Conducibilità termica                           | DIN 52612            | W/mK            | ~ 0,3                      |
| Coefficiente di espansione termica lineare      |                      | K               | 2,5 - 3 x 10 <sup>-5</sup> |
| Punto di fusione                                | ISO 3146             | °C              | > 250                      |
| Temperatura di esercizio massima                | a 5000 h             | °C              | ~ 115                      |
|   | a 20000 h            | °C              | ~ 105                      |
| Temperatura di flessione sotto carico (1,8 MPa) | DIN EN ISO 75        | °C              | ≥ 220                      |

|                   |   |
|-------------------|---|
| 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 2401

06.03.2024



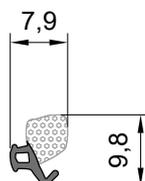
# NUOVA GUARNIZIONE VETRAZIONE ESTERNA 4MM COESTRUSA

Vi informiamo che è disponibile la nuova guarnizione di vetratura esterna da 4mm coestrusa AGP 7008.

La guarnizione può essere utilizzata su tutti i sistemi Planet, Ecoslim, 3G, Nathura, Door, Top Slide, Smart 30.

Di seguito trovate:

- Sagoma della guarnizione con codice;
- Nodo esplicativo;



AGP 7008

|                   |   |
|-------------------|---|
| 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        |   |

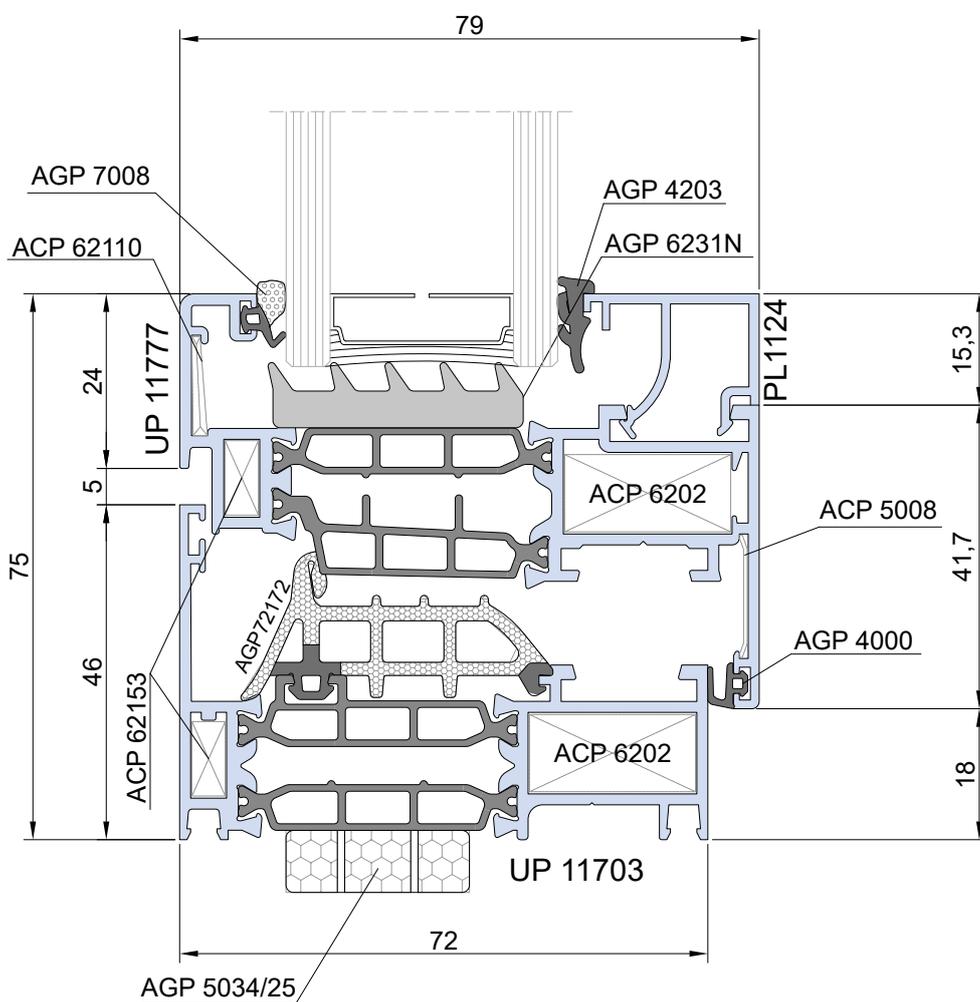


it's my window

## Info prodotto 2401

06.03.2024

alsistem.com





## Info prodotto 2402

06.03.2024

# ACP 50510 Squadretta di allineamento con colla

Vi informiamo che è disponibile la squadretta di allineamento con colla ACP 50510.

Si tratta di una squadretta che, rispetto all'attuale ACP 50110, è predisposta per l'iniezione della colla ed un serraggio dell'eccentrico maggiorato con chiave Torx.

Di seguito trovate:

- Tabella con codice, descrizione;
- Immagini esplicative;



|                   |   |
|-------------------|---|
| 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     |   |
| Topsidewood 214   | ● |
| Panoramico        |   |

## 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 214 PLUS 214 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 45 PORTE COMPLANARI

Sistema termicamente non isolato per porte complanari

*Flush door system*

## Sistemi oscuranti



### 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 montanti e traversi

*Stick-built curtain wall systems*



### SIRIO 50 SG

Sistema per facciate continue montanti e traversi con vetro strutturale

*Structural curtain wall with transom/mullion*



### SIRIO 50 N

Sistema per facciate continue a nastro

*Ribbon windows system*

**Calabria**

Principe S.r.l.  
Via Carfellà, 14  
88040 Settingiano - CZ  
T. +39 0961 998281  
calabria@alsistem.com

**Campania, Basilicata**

Meral S.p.a.  
V. Scavate Case Rosse (Z.I.)  
84131 Salerno - SA  
T. +39 089 301155  
campania@alsistem.com

**Marche**

CMP S.r.l.  
Via Cola, 12  
60027 Osimo (AN)  
T. +39 071 00171  
marche@alsistem.com

**Lazio**

Aluroma Metalli S.r.l.  
Via dell'Omo, 161  
00155 Roma  
T. +39 06 2283184  
lazio@alsistem.com

**Lombardia, Triveneto**

Alca S.r.l.  
Via Copernico, 2  
25020 Poncarale - BS  
T. +39 030 2681141  
lombardia@alsistem.com

**Piemonte, Liguria, Valle d'Aosta**

Fresia Alluminio S.p.a.  
Via Venezia, 35/A  
10088 Volpiano - TO  
T. +39 011 2250211  
piemonte@alsistem.com

**Puglia**

Sael S.r.l.  
Zona PIP- Contrada Pucciarruto snc  
72027 San Pietro Vernotico-BR  
T. +39 0831 653598  
puglia@alsistem.com

**Sardegna**

Marini S.p.a.  
V.le Monastir, Km10.300  
09028 Sestu - CA  
T. +39 070 22331  
sardegna@alsistem.com

**Deposito Liguria:**

Via C. Festa, 35  
16011 Arenzano (GE).  
T. +39 019 882783

**Sicilia**

Edilsider S.p.a.  
Via B. Croce, 26  
91011 Alcamo - TP  
T. +39 0924 21588  
sicilia@alsistem.com

**Toscana**

Ferroedilizia S.r.l.  
Via Aurelia Nord, 233  
58100 Grosseto - GR  
T. +39 0564 456300  
toscana@alsistem.com

**P.R.C, Hong kong  
Taiwan, Macao**

ALsistem HK  
room711,7/f,Ninggu  
Commercial Building  
no.7940 Humin road,  
Minhang district  
201102 Shanghai  
T. +39 0086 2131332258  
F. +39 0086 2131332268

**Deposito Sicilia orientale:**

Contrada Pirritino Pantano,  
Zona Industriale ovest  
Piano Tavola  
95032 Belpasso - CT  
T. +39 095 7132629

**Sede Legale**

S.S. Varesina,2  
22078 Turate - CO

**Engineering**

Via Monte Rosa  
(angolo via Clerici)  
21040 Gerenzano - VA  
T. +39 02 9688496  
info@alsistem.com

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



Profilati, accessori e guarnizioni di questo catalogo