uniform
sistemi per serramenti

Bold-Line

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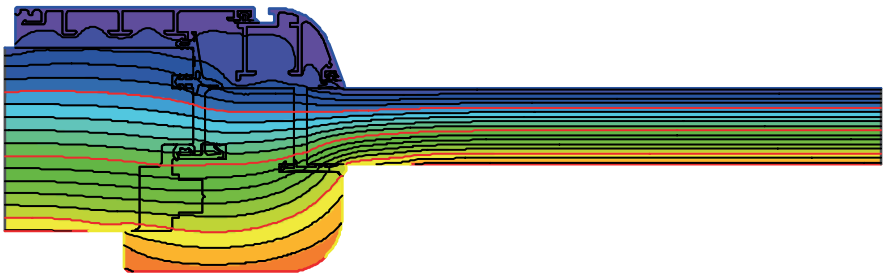
SISTEMA

Bold-Line

Il sistema Bold-Line è composto da una serie di profili anta con forma arrotondata da utilizzare sul telaio del sistema Complanare per consentire l'uso del vetrocamera doppio invece di triplo.

Ne risulta una forma armoniosa che esalta le forme sinuose dei profili in alluminio

Sistema Bold-Line
design armonioso e linee sinuose



telaio: 68X70
anta: 68X81

Legno Tenero Soft Wood

Uf = 1,4 (W/m²K)

	Uf	Ug	ψg 0,04	ψg 0,06
triplo vetro	1,3 W/(m²K)	0,6	Uw=0,9 W/(m²K)	Uw=1,0 W/(m²K)
	1,3 W/(m²K)	0,7	Uw=1,0 W/(m²K)	Uw=1,0 W/(m²K)
	1,3 W/(m²K)	0,8	Uw=1,1 W/(m²K)	Uw=1,1 W/(m²K)
	1,3 W/(m²K)	0,9	Uw=1,1 W/(m²K)	Uw=1,2 W/(m²K)
	1,3 W/(m²K)	1	Uw=1,2 W/(m²K)	Uw=1,2 W/(m²K)
doppio vetro	1,4 W/(m²K)	1,1	Uw=1,3 W/(m²K)	Uw=1,3 W/(m²K)
	1,4 W/(m²K)	1,2	Uw=1,4 W/(m²K)	Uw=1,4 W/(m²K)
	1,4 W/(m²K)	1,3	Uw=1,4 W/(m²K)	Uw=1,5 W/(m²K)
	1,4 W/(m²K)	1,4	Uw=1,5 W/(m²K)	Uw=1,5 W/(m²K)
	1,4 W/(m²K)	1,5	Uw=1,6 W/(m²K)	Uw=1,6 W/(m²K)
	1,4 W/(m²K)	1,6	Uw=1,6 W/(m²K)	Uw=1,7 W/(m²K)
	1,4 W/(m²K)	1,7	Uw=1,7 W/(m²K)	Uw=1,7 W/(m²K)
	1,4 W/(m²K)	1,8	Uw=1,8 W/(m²K)	Uw=1,8 W/(m²K)

Legno Duro Hard Wood

Uf = 1,7 (W/m²K)

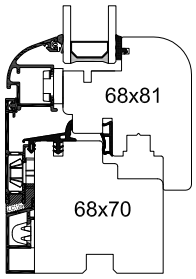
	Uf	Ug	ψg 0,04	ψg 0,06
triplo vetro	1,6 W/(m²K)	0,6	Uw=1,0 W/(m²K)	Uw=1,1 W/(m²K)
	1,6 W/(m²K)	0,7	Uw=1,1 W/(m²K)	Uw=1,1 W/(m²K)
	1,6 W/(m²K)	0,8	Uw=1,2 W/(m²K)	Uw=1,2 W/(m²K)
	1,6 W/(m²K)	0,9	Uw=1,2 W/(m²K)	Uw=1,3 W/(m²K)
	1,6 W/(m²K)	1	Uw=1,3 W/(m²K)	Uw=1,3 W/(m²K)
doppio vetro	1,7 W/(m²K)	1,1	Uw=1,4 W/(m²K)	Uw=1,4 W/(m²K)
	1,7 W/(m²K)	1,2	Uw=1,5 W/(m²K)	Uw=1,5 W/(m²K)
	1,7 W/(m²K)	1,3	Uw=1,5 W/(m²K)	Uw=1,6 W/(m²K)
	1,7 W/(m²K)	1,4	Uw=1,6 W/(m²K)	Uw=1,6 W/(m²K)
	1,7 W/(m²K)	1,5	Uw=1,7 W/(m²K)	Uw=1,7 W/(m²K)
	1,7 W/(m²K)	1,6	Uw=1,7 W/(m²K)	Uw=1,8 W/(m²K)
	1,7 W/(m²K)	1,7	Uw=1,8 W/(m²K)	Uw=1,8 W/(m²K)
	1,7 W/(m²K)	1,8	Uw=1,9 W/(m²K)	Uw=1,9 W/(m²K)

NOTE: Calcolo eseguito secondo UNI EN 10077-2:2004 e UNI EN 10077-1:2007.
Dimensioni del campione come da UNI EN ISO 12567-1:2002 (Finestra ad 1 anta LxH:1230x1480mm)
Calcolato sui sistemi standard in riferimento alle sezioni riportate nel catalogo tecnico Uniform.
Il presente calcolo è stato effettuato sulla base delle normative di seguito riportate a puro titolo di analisi e verifica interna.
I risultati ottenuti non costituiscono criterio di conformità, tali risultati potranno essere emessi esclusivamente da un istituto notificato.
Uniform SpA non si assume alcuna responsabilità sui valori indicati nè sul loro utilizzo.
Uniform SpA si riserva il diritto di apporre modifiche in qualsiasi momento senza alcun obbligo di preavviso.
Normative di riferimento: UNI EN 10077-1:2007; UNI EN 10077-2:2004; UNI EN 12524:2001; UNI EN 673:2011;

	✓	⊘	i
I)Traverso intermedio anta D)Sprossen in Flügel E)Travesanos intermedios de la hoja F)Traverses intermédiaires vantail UK)Sash intermediate rails	●		
I)Inglesine(con incollaggio al vetro) D)Vorsatzsprosse E)Travesanos F)Traverses UK)Attachment crossbar	●		
I)Anta maggiorata per maniglia passante D)Verbreiteter Flügel für Griff E)Hoja mayiorada para manilla pasante F)Vantail augmenté pour poignée à l'extérieure UK)Sash enlarged for exterior handle	●		
I)Finestra con sopra/sottoluce fisso D)Fenster mit Ober/Unterlicht fix E)Ventana con sobreluz/antepecho fijo F)Fenêtre avec partie fixe sous/au-dessus de la traverse UK)Fixed glazing	●		
I)Finestra con fisso laterale D)Fenster mi seitlichen Fixelement E)Ventana con fijo lateral F)Fenêtre avec fixe latéral UK)Side-fixed glazing	●		
I)Piantoni e traversi intermedi telaio D)Rahmen mit Kämpfer und Setzholz E)Montantes y travesaños intermedios del marco F)Meneaux et traverses intermédiaires du dormant UK)Sash intermidiate mullions and transoms	●		
I)Finestre accoppiate D)Gekoppelte Fenster E)Ventanas acopladas F)Fenêtres assemblées UK)Assembled windows	●		
I)Inserimento per tapparelle D)Rolladenführungsprofile E)Encaje para celosías F)Prédisposition pour insérer les volets roulants UK)Arrangement for roller shutters	●		
I)Inserimento zanzariere D)Einführung Fliegengitter E)Encaje para mosquiteras F)Prédisposition pour insérer les moustiquaires UK)Arrangement for fly screens	●		
I)Telaio per ristrutturazione D)Rahmen für Renovierung E)Marco para rehabilitación F)Cadre pour rénovation UK)Frame for renovation		●	
I)Inserimento in facciata D)Einspannelement für Fassade E)Encaje en fachada F)Prédisposition pour l'insértion en façade UK)Insertion window for curtain walll	●		
I)Scorrevole parallelo D)Paralle-Schiebefenster E)Corredera paralela F)Coulissant parallèle UK)Parallel-sliding windows	●		
I)Bilico orizzontale D)Schwingfenster E)Basculante horizontal F)Fenetre basculant pivotant horizontal UK)Swing windows	●		
I)Apertura esterna/antipanico D)Fenster/Türen nach aussen öffnend E)Apertura exterior antipánico F)Ouverture vers l'extérieure/antipanique UK)Window/Door opening outwards	●		
I)Alzante scorrevole D)Hebe/Shiebentüren E)Corredera elevadora F)Levant-coulissant UK)Lifting sliding door	●		Vedere catalogo HS *See Lift-Sliding catalogue*
I)Fuorisquadra D)Schrägelement E)Fuera de scuadra F)Hors-équerre UK)Out-of-square window	●		
I)Serramento ad arco D)Rundbogenfenster E)Cerramiento curvado F)Châssis cintré UK)Curved window		●	Realizzabile solo la parte del telaio.Anta ad arco non fattibile Arch shaped fixed lights are feasible; operable sashes are not

Sistema Bold-Line

Requisiti	Norma di classificazione	Caratteristiche
Trasmittanza termica nodo finestra(Uf)	UNI EN ISO 10077-2	1,4 W/m²· K
Tenuta all'acqua	UNI EN 1027-12208	Classe 9a
Permeabilità all'aria	UNI EN 1026-12207	Classe 4
Resistenza al carico di vento	UNI EN 12211-12210	C4
Capacità portante del dispositivo di sicurezza	UNI EN 14351-1	350 N



Struttura in legno

La struttura in legno è predisposta per l'utilizzo di ferramenta antieffrazione con asse 9 o 13mm.
La struttura, internamente, prevede l'utilizzo di almeno una guarnizione centrale su tutto il perimetro dell'anta o del telaio.
Le specifiche tecniche delle battute e della squadratura sono indicate nel seguente catalogo. Le geometrie interne e la tipologia di vetro sono a discrezione del produttore.

Telai in alluminio

I profili in alluminio vengono realizzati in lega EN AW6060 T5 forniti come da EN 12020-1 e tolleranze EN 12020-2.
Verniciatura secondo regolamento Qualicoat o con trattamento di ossidazione anodica in classe 15 secondo specifiche del marchio EURA EWAA QUALONOD.

Fissaggio dei telai e altri accessori

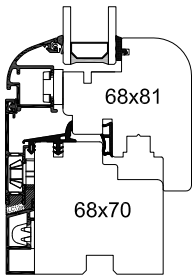
Il fissaggio dei telai avviene tramite clips di supporto in materiale plastico fissate tramite vite,o in particolari casi ad incastro, con la parte lignea. Consentono l'unione ottimale tra il legno e il metallo alla distanza di 5mm al fine di eliminare la eventuale condensa e garantire la perfetta aerazione della zona di accoppiamento, nonchè l'eventuale smontaggio e consentendo una dilatazione libera da tensioni.

Guarnizioni

I telai sono rivestiti da una guarnizione perimetrale in EPDM (con incollaggio sugli angoli) che consente l'unione della parte in legno a quella metallica, garantendone la perfetta sigillatura e scarico dell'acqua. Sul vetro viene montata una guarnizione in EPDM coestruso con componente espanso in appoggio sul vetro.
Sul profilo telaio alluminio viene montata una guarnizione in EPDM coestruso per evitare il contatto diretto tra le componenti metalliche.

Bold-Line System

Requirements	Classification norm	Features
Thermal transmittance(Uf)	UNI EN ISO 10077-2	1,4 W/m²· K
Water-tightness	UNI EN 1027-12208	Classe 9a
Air-tightness	UNI EN 1026-12207	Classe 4
Wind-tightness	UNI EN 12211-12210	C4
Load-bearing capacity	UNI EN 14351-1	350 N



Wood structure

The wood structure is designed to implement anti burglary hardware featuring axis 9 or 13mm.
Internally, the structure encompasses at least one central gasket on the whole perimeter either of the sash or of the frame. The following catalogue contains the technical specifications of the rebates for adjusting the tools. The internal silhouette of the profiles and the typology of glazing are at the discretion of the window manufacturer.

Aluminum frames

The aluminum profiles are made of EN AW6060 T5 alloy according to EN 12020-1 in respect of tolerances EN 12020-2. Powder coating is performed in conformity with QUALICOAT regulations; anodization process is performed in class 15 according to the specifications of EURA EWAA QUALONOD.

Assembly of the aluminum frames and other accessories

Alu frames are fixed to the wood by means of plastic clips, either screwed to or embedded into the wood. The clips allow an optimum space between the wood and the metal frames at the correct distance of 5mm, thus allowing neutralization of the materials' dilatation, moisture removal through good ventilation, as well as easy release of the alu frames by rotating the clips.

Gaskets

The alu frames are equipped with a perimetral gasket in EPDM (with glued corners) aimed at bridging the gap between the wood part and the metal part, thus ensuring perfect sealing and water drainage. Glass is backbedded by a gasket in EPDM that features coextrusion between soft and harder rubber. The alu frames are equipped with EPDM gasket to avoid direct contact between glass and metal components.

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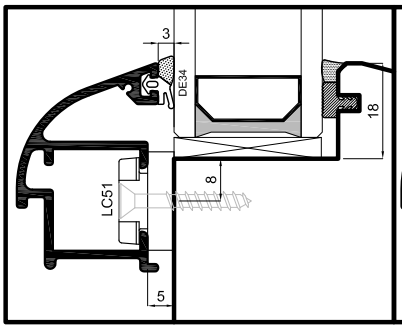
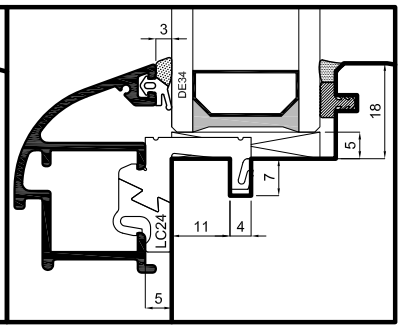
Guarnizioni battuta interna pag.13

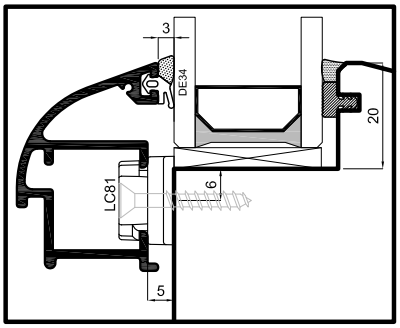
A1: battuta 18mm

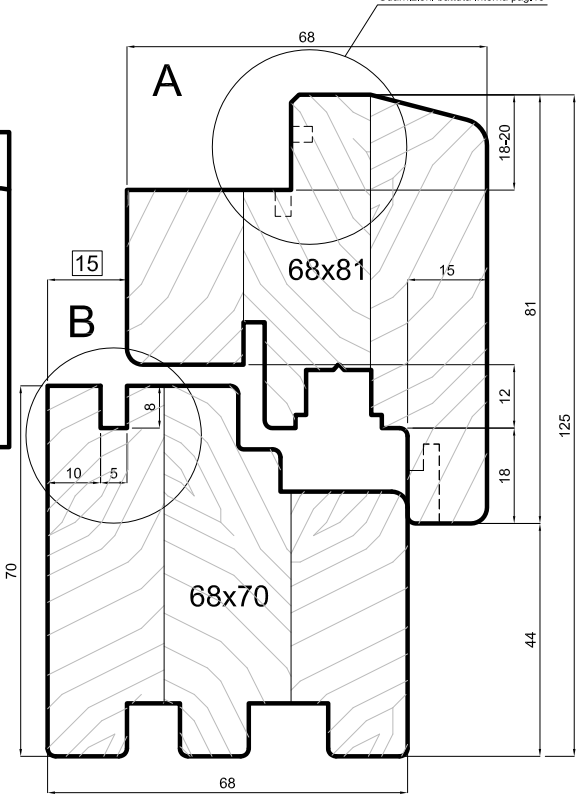


A3: battuta 18mm clips senza vite

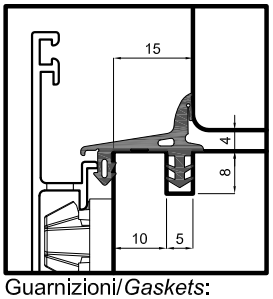


A2: battuta 20mm



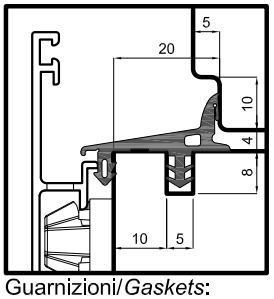


B1: incastro 10+5 battuta 15mm

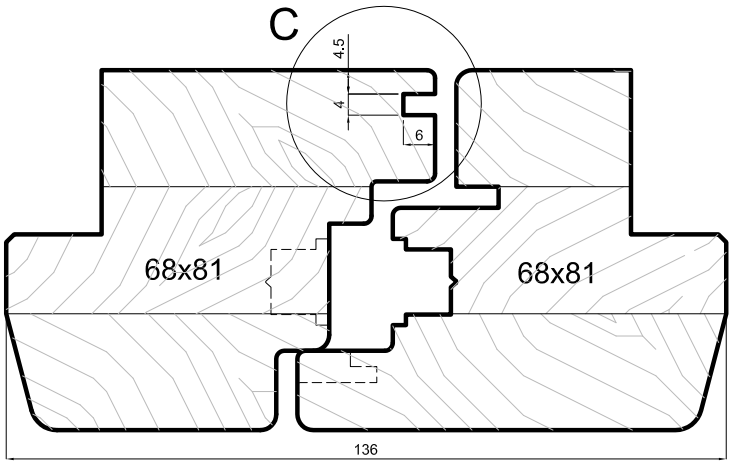


Guarnizioni/*Gaskets*:
DE27
DE126

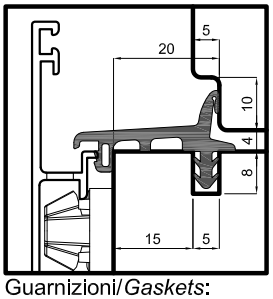
B2: incastro 10+5 battuta 20mm



Guarnizioni/*Gaskets*:
DE28
DE100

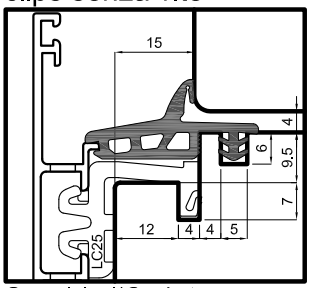


B3: incastro 15+5 battuta 20mm



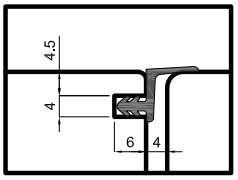
Guarnizioni/*Gaskets*:
DE81

B4: incastro per clips senza vite



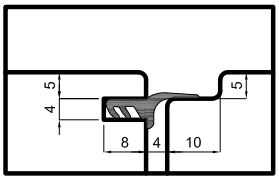
Guarnizioni/*Gaskets*:
DE147

C1: incastro per DE30



Guarnizioni/
Gaskets:
DE30
DE121

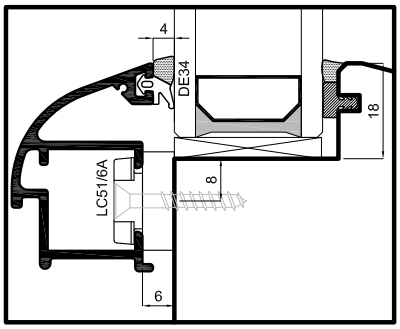
C2: incastro per DE402



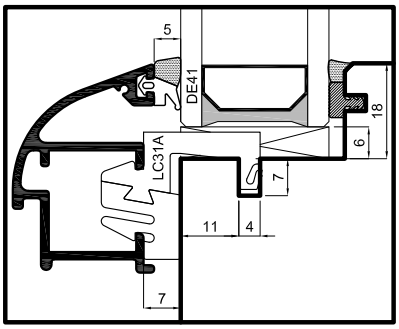
Guarnizioni/
Gaskets:
DE402

Ⓘ Sezioni per serramento Legno/alluminio con battuta anta 15mm
Ⓓ Fenster mit Außenprofilierung Flügel 15mm
Ⓔ Ventana con galce del escuadrado de la hoja de 15mms
Ⓕ Fenêtre avec recouvrement épaisseur 15mm sur ouvrant
Ⓤⓚ Sectional views of wood-alu window with sash rebate 15mm

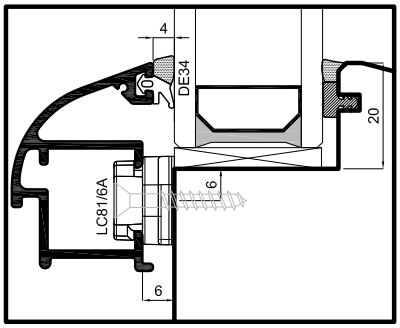
A1: battuta 18mm

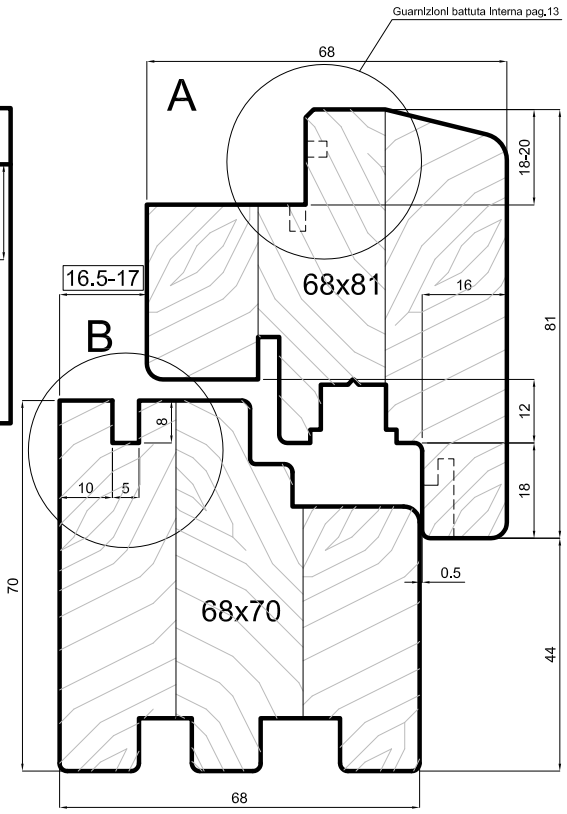


A3: battuta 18mm clips senza vite

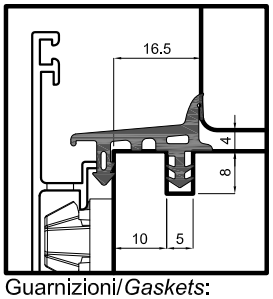


A2: battuta 20mm



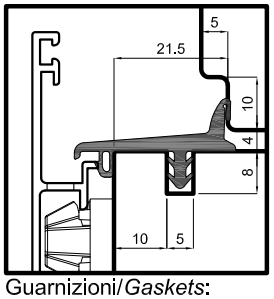


B1: incastro 10+5 battuta 16.5mm

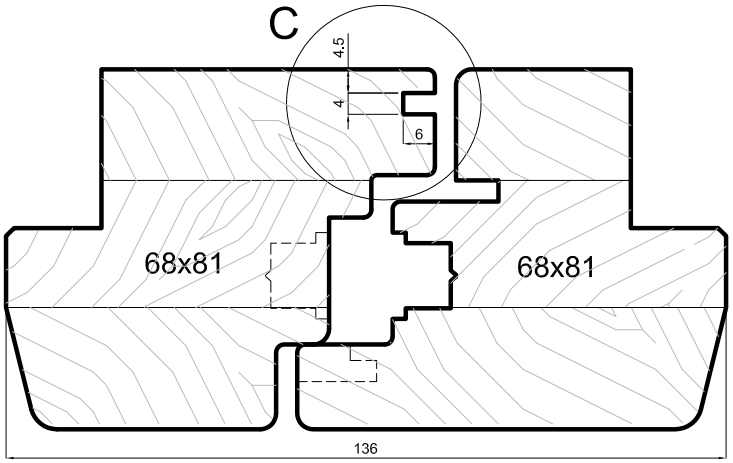


Guarnizioni/*Gaskets*:
DE59
DE129

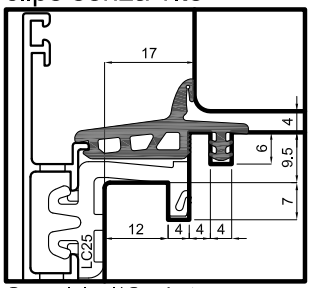
B2: incastro 10+5 battuta 21.5mm



Guarnizioni/*Gaskets*:
DE60

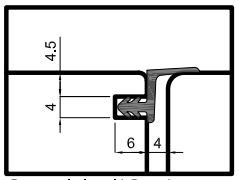


B3: incastro per clips senza vite



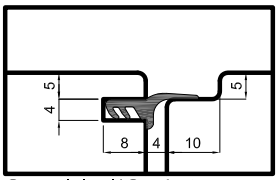
Guarnizioni/*Gaskets*:
DE149

C1: incastro per DE30



Guarnizioni/*Gaskets*:
DE30
DE121

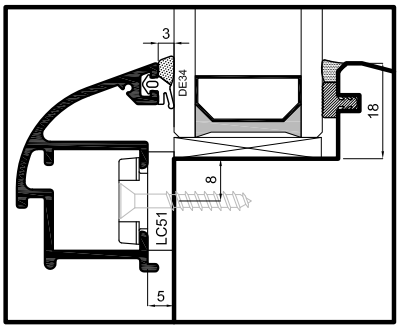
C2: incastro per DE402



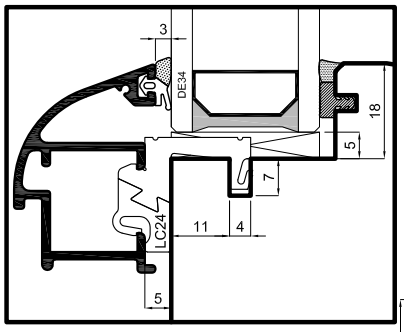
Guarnizioni/*Gaskets*:
DE402

Ⓘ Sezioni per serramento Legno/alluminio con battuta anta 16.5-17mm
Ⓓ Fenster mit Außenprofilierung Flügel 16.5-17mm
Ⓔ Ventana con galce del escuadrado de la hoja de 16.5-17mms
Ⓕ Fenêtre avec recouvrement épaisseur 16.5-17mm sur ouvrant
Ⓤⓚ Sectional views of wood-alu window with sash rebate 16.5-17mm

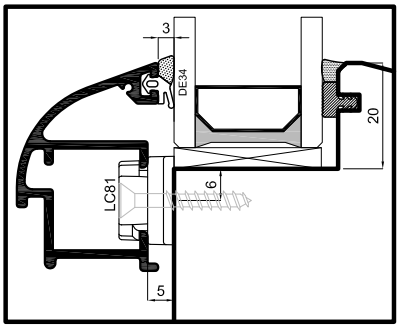
A1: battuta 18mm

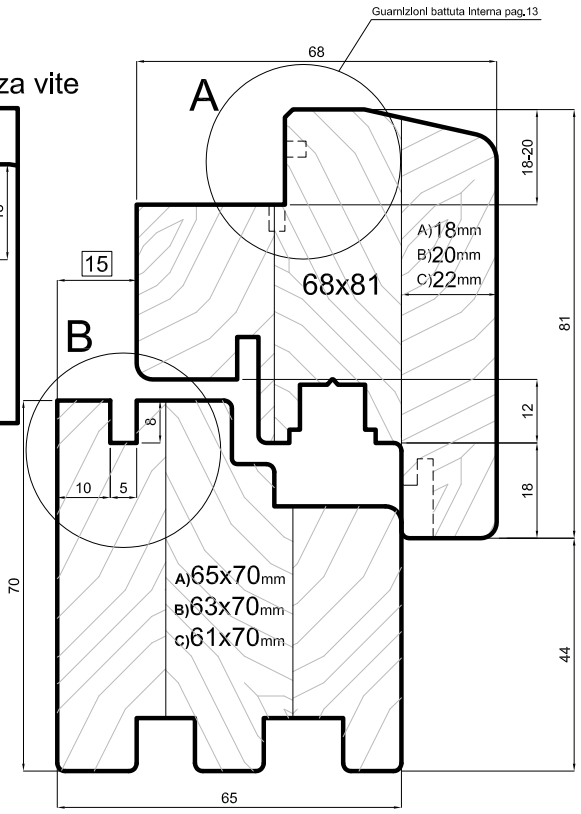


A3: battuta 18mm clips senza vite

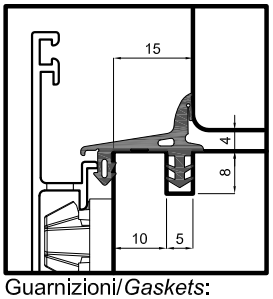


A2: battuta 20mm



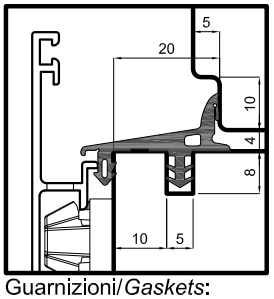


B1: incastro 10+5 battuta 15mm

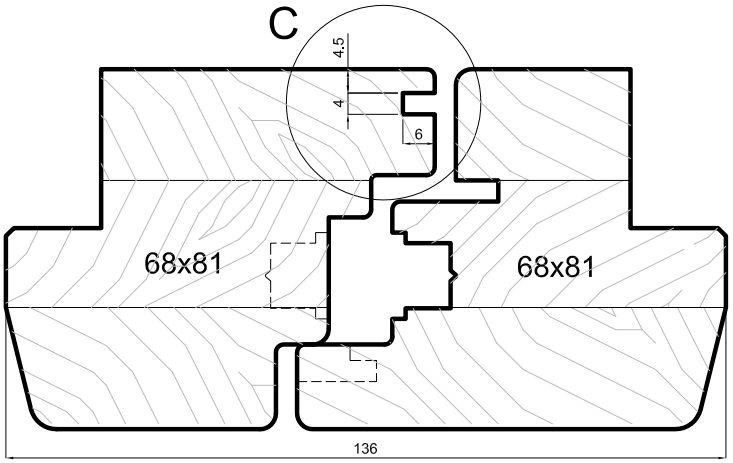


Guarnizioni/*Gaskets*:
DE27
DE126

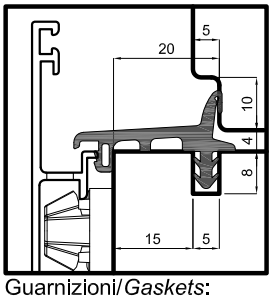
B2: incastro 10+5 battuta 20mm



Guarnizioni/*Gaskets*:
DE28
DE100

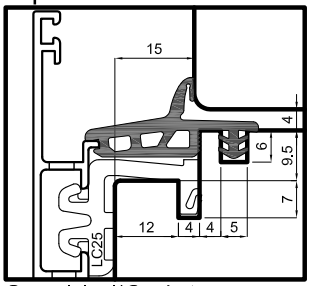


B3: incastro 15+5 battuta 20mm



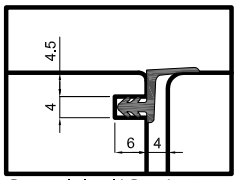
Guarnizioni/*Gaskets*:
DE81

B4: incastro per clips senza vite



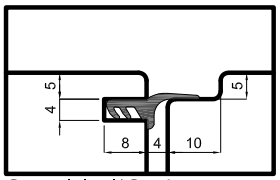
Guarnizioni/*Gaskets*:
DE147

C1: incastro per DE30



Guarnizioni/*Gaskets*:
DE30
DE121

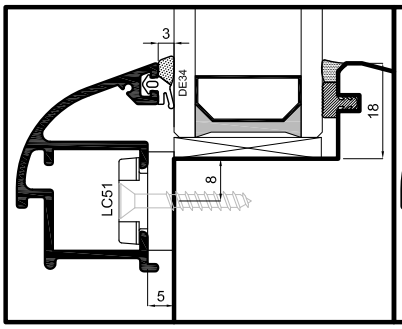
C2: incastro per DE402



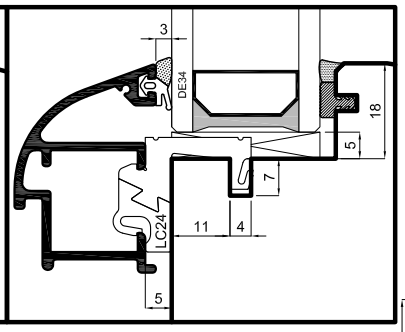
Guarnizioni/*Gaskets*:
DE402

Ⓘ Sezioni per serramento Legno/alluminio con battuta anta 18-20-22mm
Ⓓ Fenster mit Außenprofilierung Flügel 18-20-22mm
Ⓔ Ventana con galce del escuadrado de la hoja de 18-20-22mms
Ⓕ Fenêtre avec recouvrement épaisseur 18-20-22mm sur ouvrant
Ⓤⓚ Sectional views of wood-alu window with sash rebate 18-20-22mm

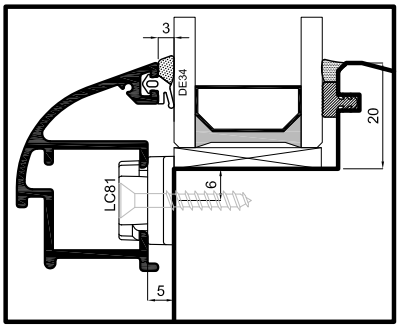
A1: battuta 18mm



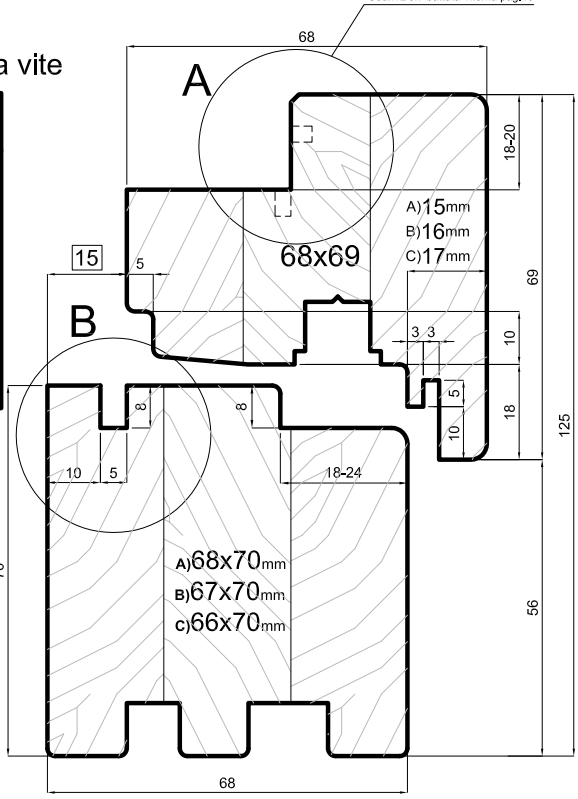
A3: battuta 18mm clips senza vite



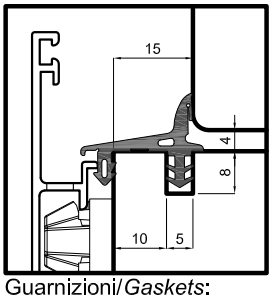
A2: battuta 20mm



Guarnizioni battuta Interna pag.13

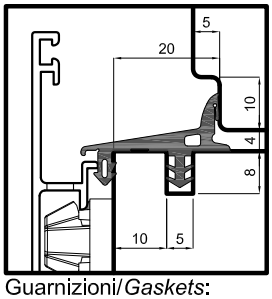


B1: incastro 10+5 battuta 15mm



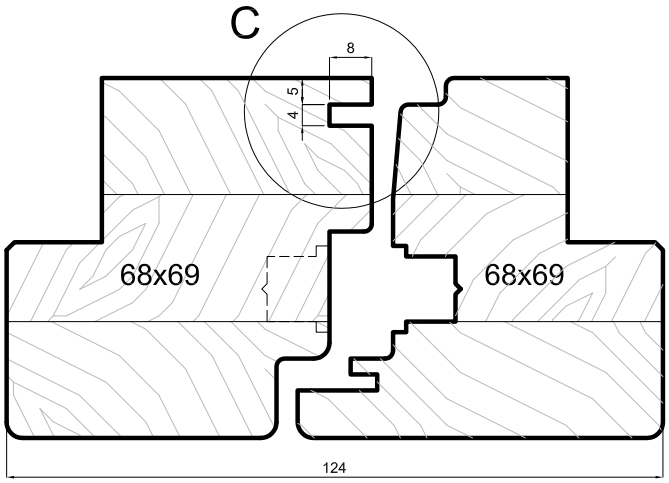
Guarnizioni/*Gaskets*:
DE27
DE126

B2: incastro 10+5 battuta 20mm

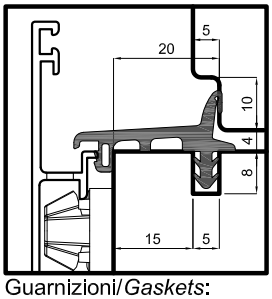


Guarnizioni/*Gaskets*:
DE28
DE100

C

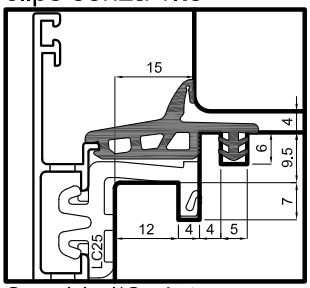


B3: incastro 15+5 battuta 20mm



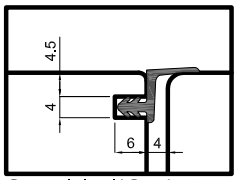
Guarnizioni/*Gaskets*:
DE81

B4: incastro per clips senza vite



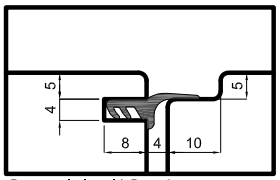
Guarnizioni/*Gaskets*:
DE147

C1: incastro per DE30



Guarnizioni/*Gaskets*:
DE30
DE121

C2: incastro per DE402

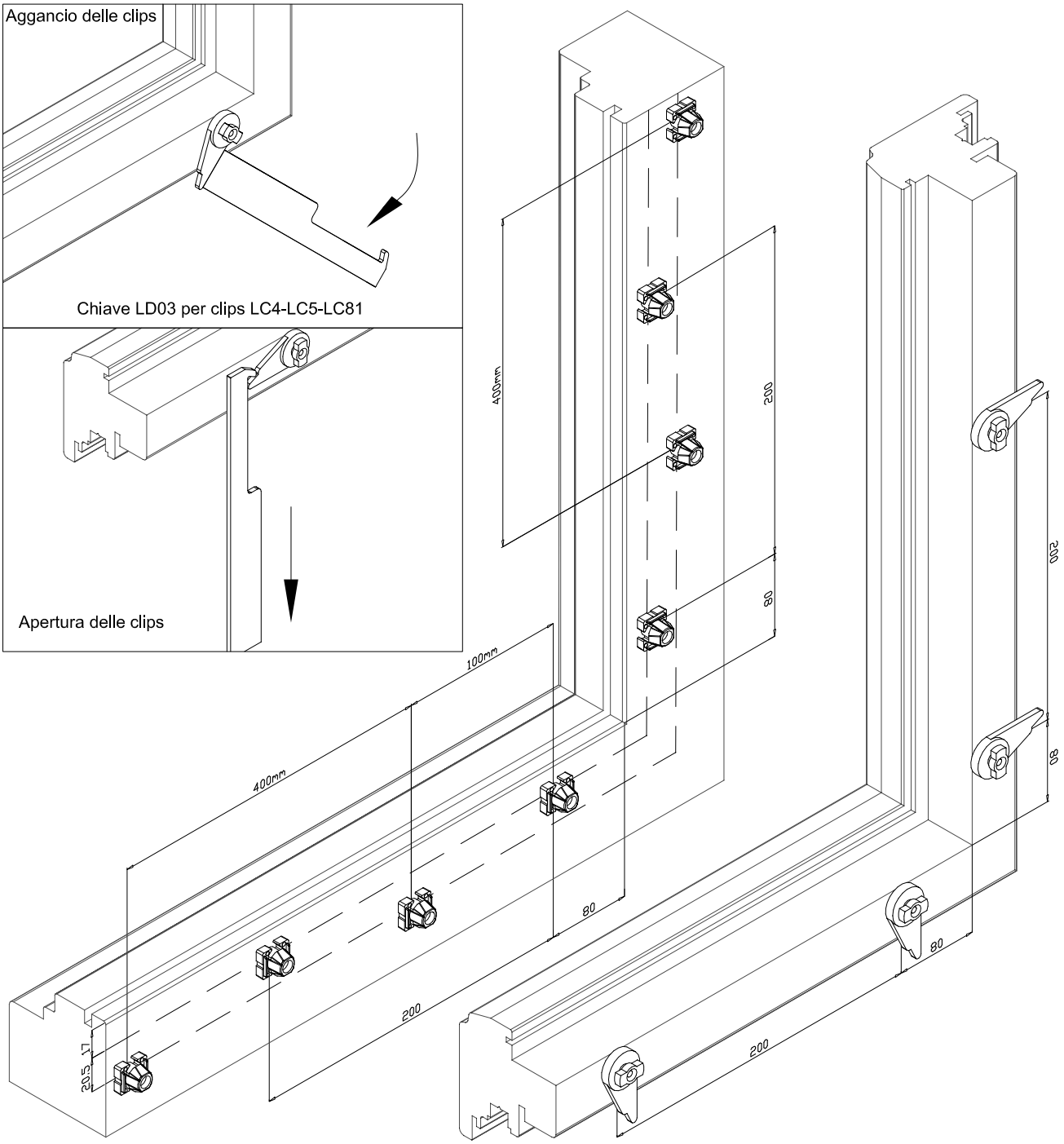


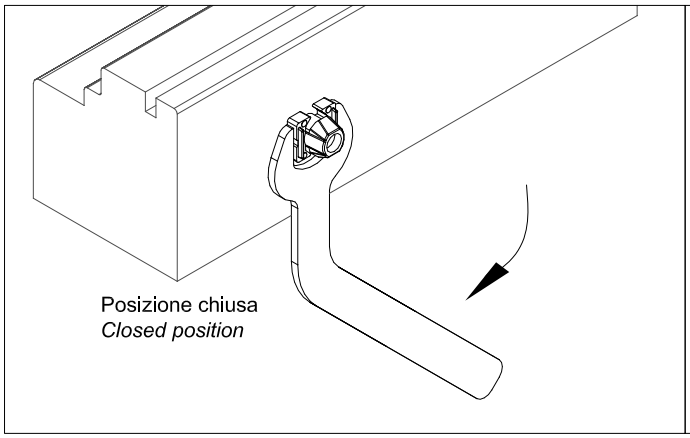
Guarnizioni/*Gaskets*:
DE402

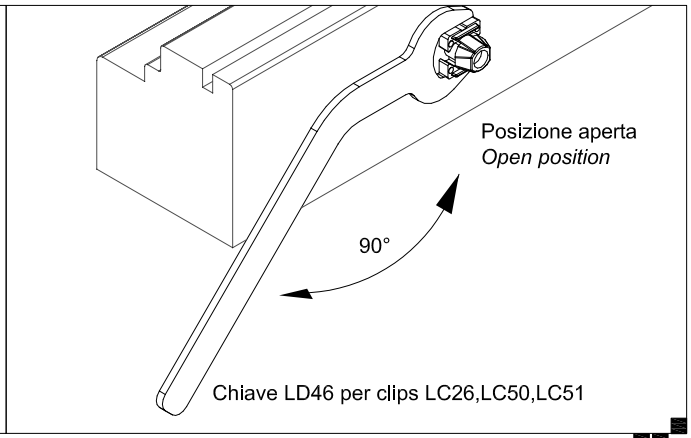
Ⓘ Sezioni per serramento Legno/alluminio con monobattuta anta
Ⓓ Fenster mit Außenprofilierung Flügel 15mm
Ⓔ Ventana con galce del escuadrado de la hoja de 15mms
Ⓕ Fenêtre avec recouvrement épaisseur 15mm sur ouvrant
Ⓤⓚ Sectional views of wood-alu window with single sash rebate

Aggancio delle clips
Chiave LD03 per clips LC4-LC5-LC81

Apertura delle clips


400mm
200
80
100mm
400mm
80
200
205_17
200
80
200


Posizione chiusa
Closed position


Posizione aperta
Open position
90°
Chiave LD46 per clips LC26,LC50,LC51

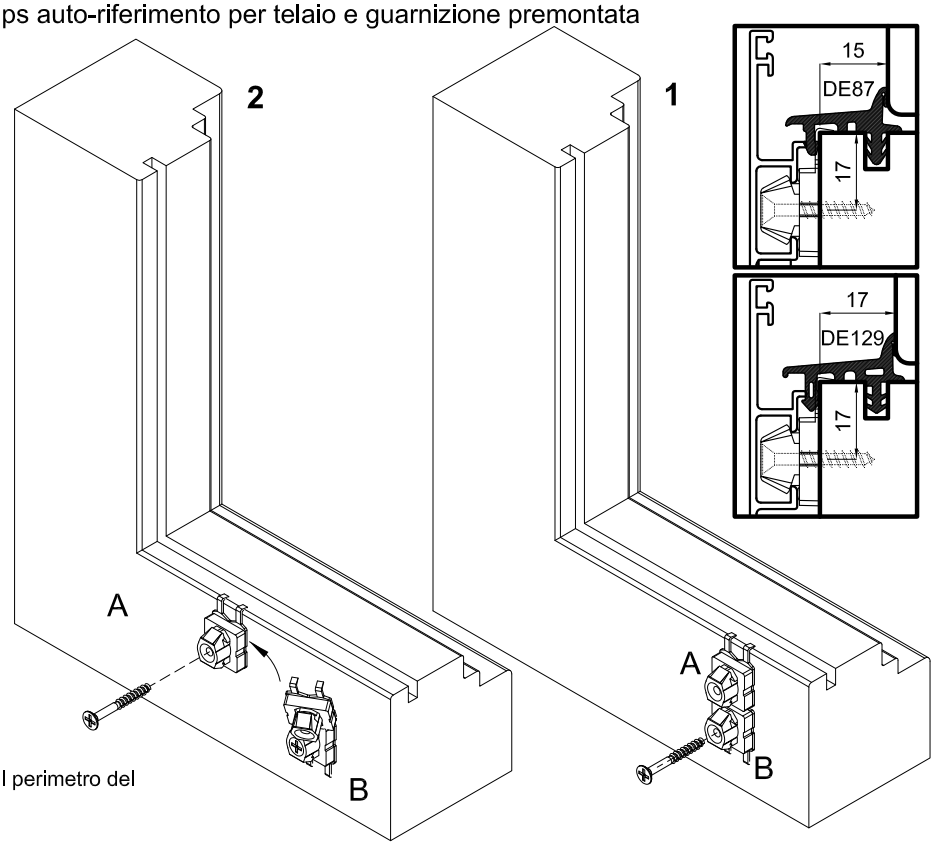
Variante con clips auto-riferimento per telaio e guarnizione premontata

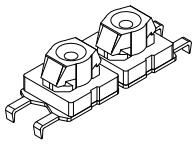
Fasi di montaggio:

1)posizionare le 2 clips unite con riferimento all'interno telaio in legno Avvitare la clip inferiore(B)
2)Staccare la clip superioe(A)
3)Avvitare la clip superiore A sfalsandola dalla precedente di 100mm
4)Montaggio della guarnizione perimetrale(DE87-DE129) sul telaio in legno
5)montaggio a pressione del telaio in alluminio

Assembly steps

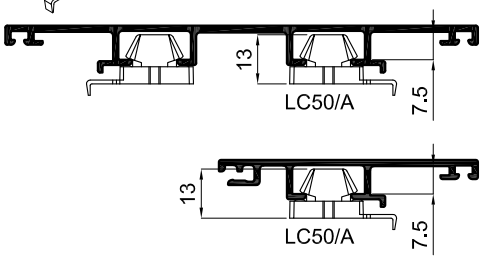
1)position the pair of clips joined together, using the frame's internal dimension as reference point: screw the lower clip onto the wood (B)
2)Detach the upper clip (A)
3)screw the upper clip A into the wood, shifting its position of 100mm after the previous clip
4)fit the perimetral gasket into the wood frame
5)press the alu cladding frame onto the clips

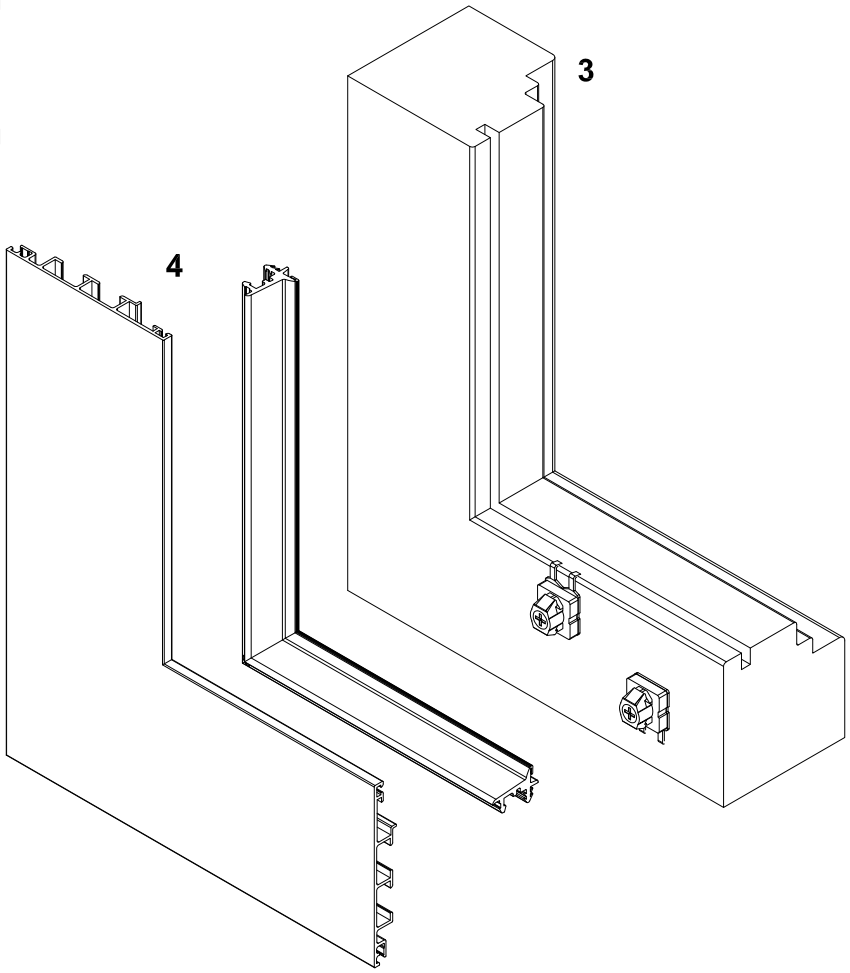


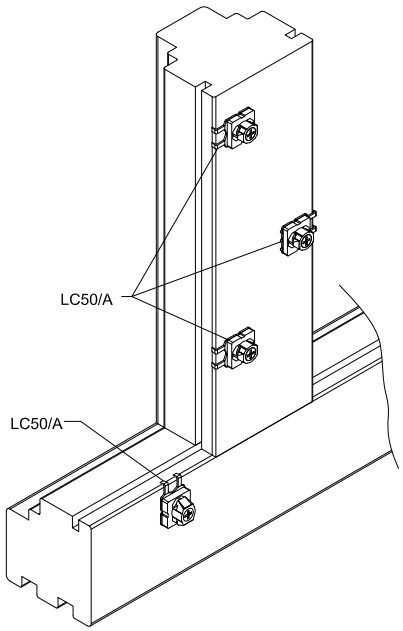


LC50/A

Da utilizzare su tutto il perimetro del telaio







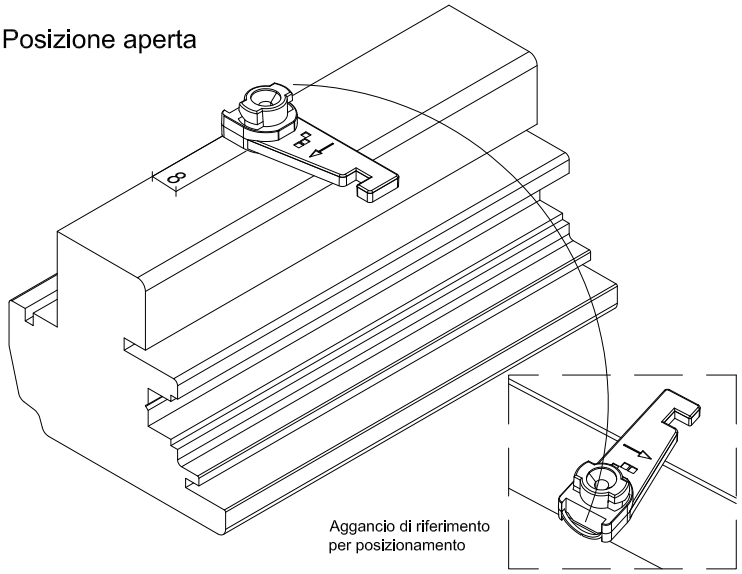
Bold-Line

uniform

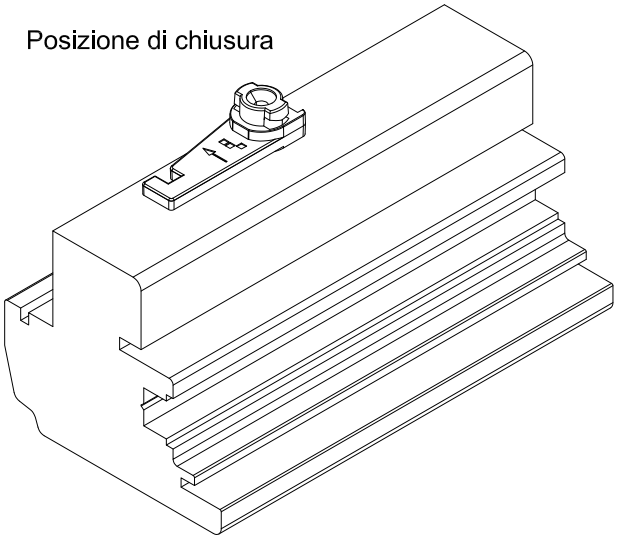
Scala -

Ⓘ Montaggio delle clips con autoposizionamento sul telaio
Ⓓ Montage System für "Selbstposizionierung" Klips für Rahmen
Ⓔ Montaje del sistema con clips "con autoajuste" en el marco
Ⓕ Montage système avec clips du dormant "autopositionnants"
Ⓤⓚ Assembly of the clips with automatic positioning onto the frame

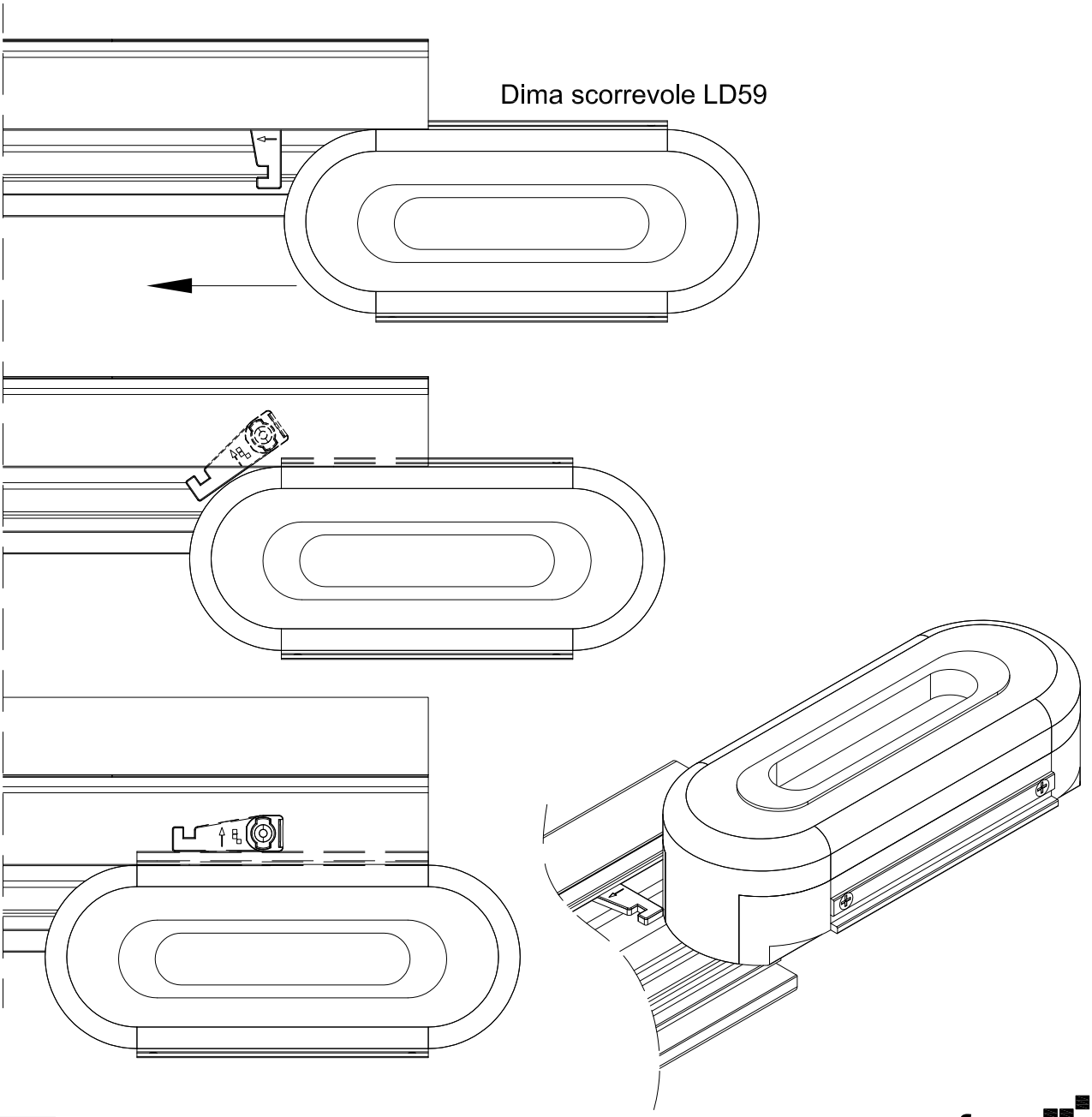
Posizione aperta



Posizione di chiusura



Dima scorrevole LD59



Bold-Line

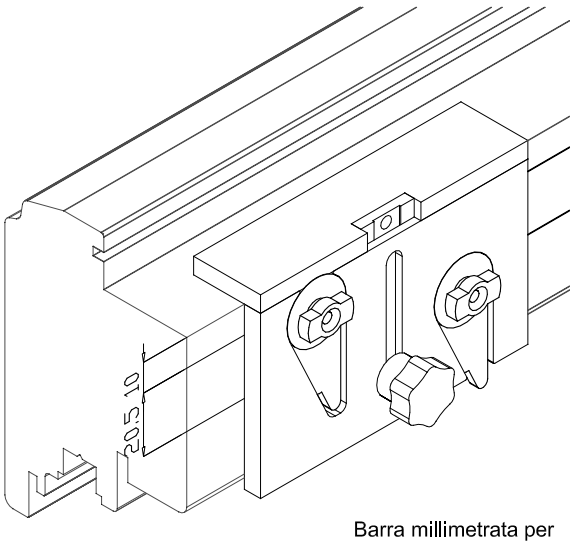
uniform

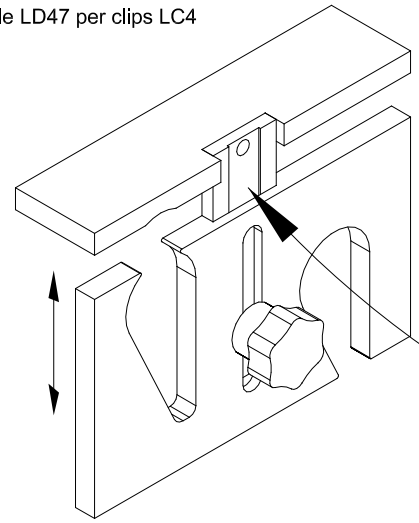
Scala -

Ⓘ Montaggio delle clips con autoposizionamento sull'anta
Ⓓ Montage System für "Selbstposizionierung" Klips für Flügel
Ⓔ Montaje del sistema con clips "con autoajuste" en la hoja
Ⓕ Montage système avec clips du ouvrant "autopositionnants"
Ⓤⓚ Assembly of the clips with automatic positioning onto the sash

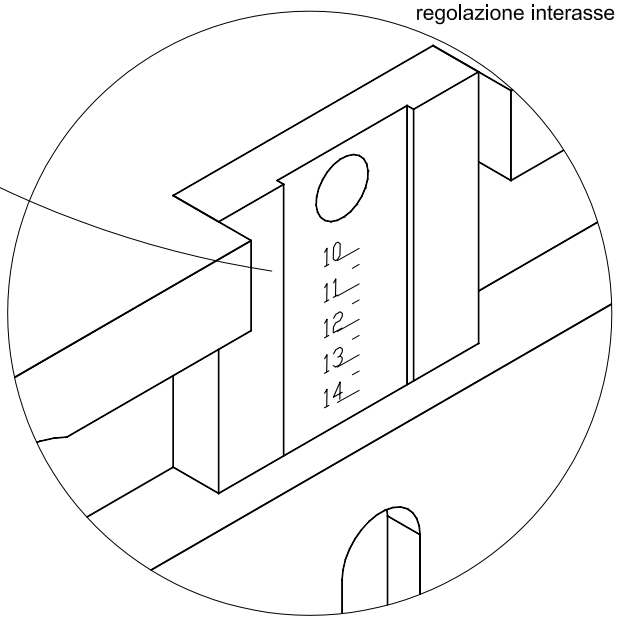
Codice Clips *Clip code*	Codice Dima Dima code
LC4-LC4/7	LD47
LC26-LC50	LD48
LC62	LD49
LC81	LD50

Dima regolabile LD47 per clips LC4
-





Barra millimetrata per regolazione interasse



Schema di montaggio delle clips su anta e telaio

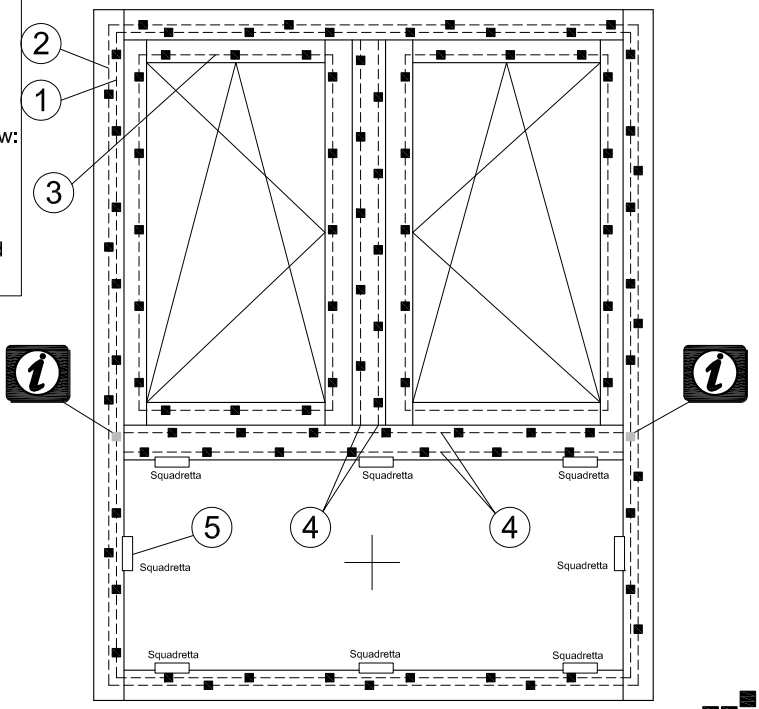
1. Passo 200mm.Da 80 mm dall'angolo interno del telaio
2. Passo 400mm.Da 100 mm dall'angolo esterno del telaio
3. Passo 200mm.Da 80 mm dall'angolo interno anta
4. Passo 200mm sfalsate di $\frac{1}{2}$ passo.Da 80mm dall'interno telaio
5. Squadretta rinforzo fissi: n°3 pz./mt

Non montare con telai assemblati con squadretta

Assembly diagram of the clips onto sash and frame

1. 200mm distance. 80mm from the frame's internal corner
2. 400mm distance. 100mm from the frame's external corner
3. 200mm distance. 80mm from the sash's internal corner
4. 4-200mm distance between one clip and the other on one row: parallel row with alternating sequence
5. reinforcement bracket for fixed lights

Don't use the clip here in case of mechanically assembled frames



Ⓘ Montaggio delle clips
Ⓓ Montage der Klips
Ⓔ Montaje de las clips
Ⓕ Montage des clips
Ⓤⓚ Installation of the clips

Guarnizione	Aria
DE117	2 mm
DE34	3 mm
DE86	3 mm (per clips a scatto)
DE41	5 mm

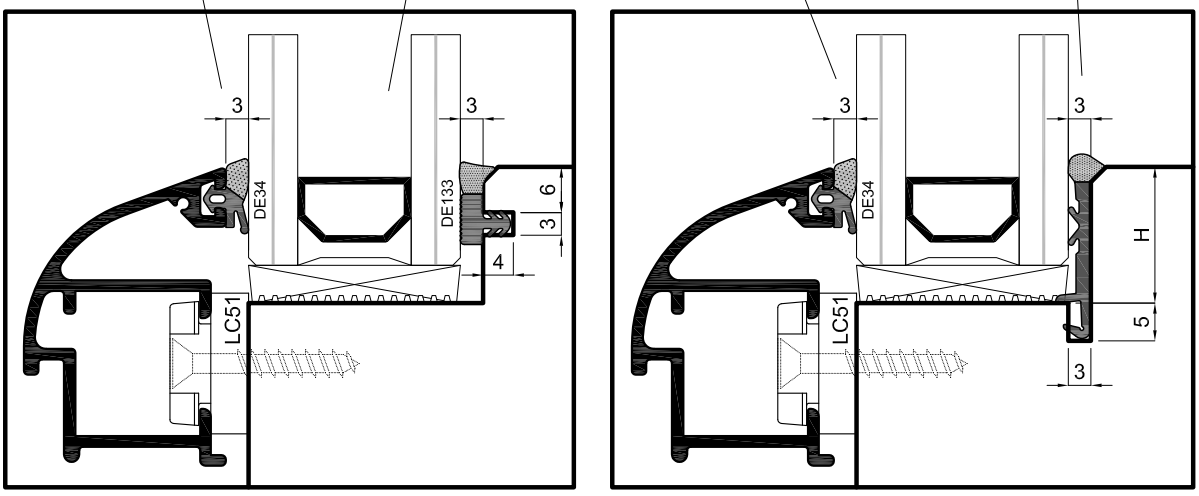
Guarnizione	Aria
DE132	2 mm
DE133	3 mm
DE134	4 mm

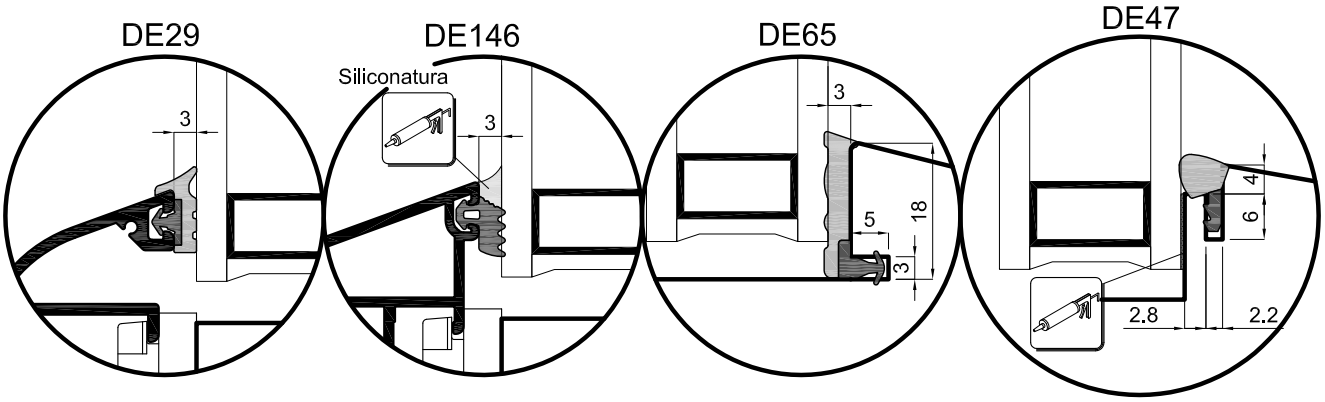
EPDM espanso

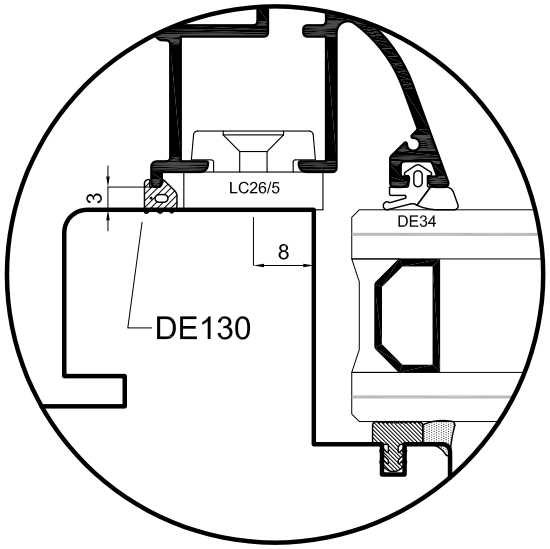
EPDM semirigido

Guarnizione	Aria
DE117	2 mm
DE34	3 mm
DE86	3 mm (per clips a scatto)
DE41	5 mm

Guarnizione	Altezza
DR01/15	15 mm
DR01/18 S	18 mm
DR01/20 S	20 mm







Non utilizzabile con clips:
LC4, LC4/7
Not usable on the following clips:
LC4, LC4/7

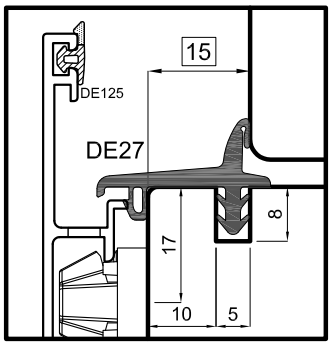
Bold-Line

uniform

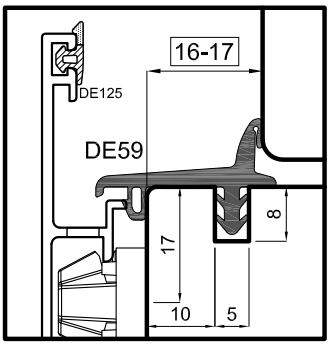
Scala 1:1

Ⓘ Guarnizioni interne ed esterne anta
Ⓓ Flügeldichtung innen und außen
Ⓔ Juntas interiores y exteriores para la hoja
Ⓕ Joints intérieurs et extérieurs pour le vantail
Ⓤⓚ Inner and outer gaskets for the sash

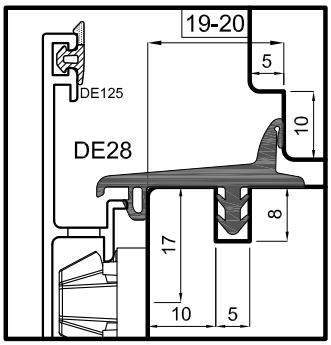
Guarnizioni standard



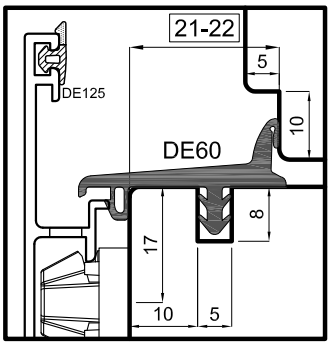
Disponibile: tagliata a misura
angoli vulcanizzati(DE27/E)
telaio vulcanizzato(DE27/R)



Disponibile: tagliata a misura

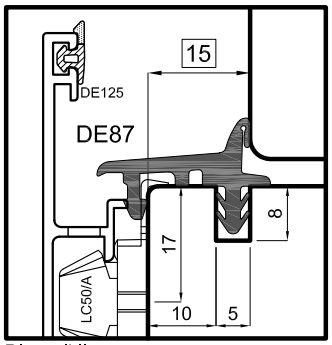


Disponibile: tagliata a misura
angoli vulcanizzati(DE28/E)
telaio vulcanizzato(DE28/R)

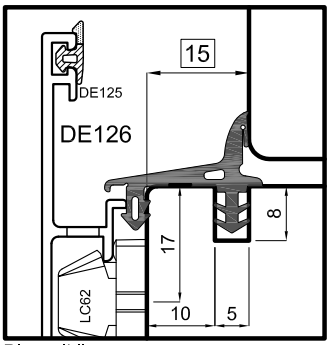


Disponibile: tagliata a misura

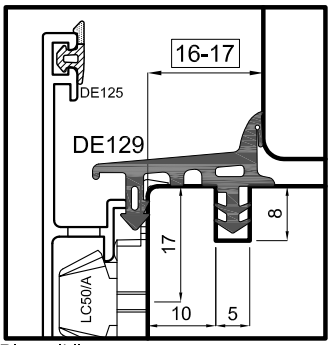
Guarnizioni per pre-montaggio (montaggio prima del telaio in alluminio)



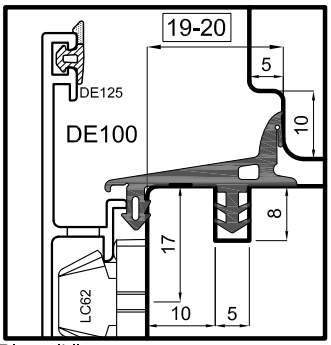
Disponibile: tagliata a misura
telaio vulcanizzato(DE87/R)



Disponibile: tagliata a misura
angoli vulcanizzati(DE126/E)

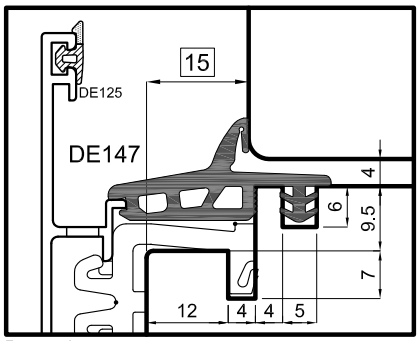


Disponibile: tagliata a misura
telaio vulcanizzato(DE129/R)

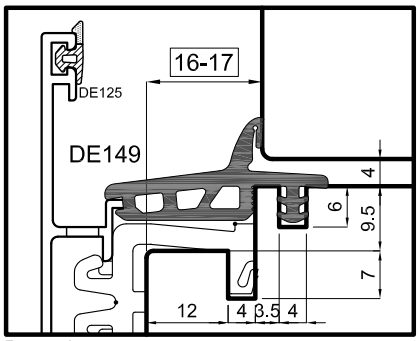


Disponibile: tagliata a misura
angoli vulcanizzati(DE100/E)
telaio vulcanizzato(DE100/R)

Guarnizioni per clips a scatto senza vite



Disponibile: tagliata a misura

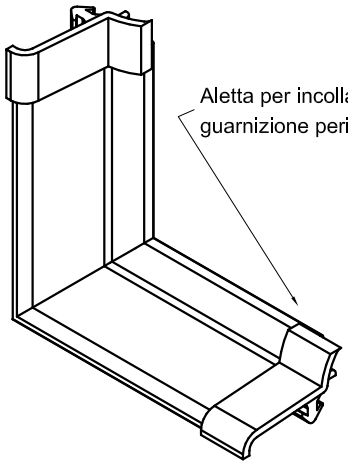


Disponibile: tagliata a misura

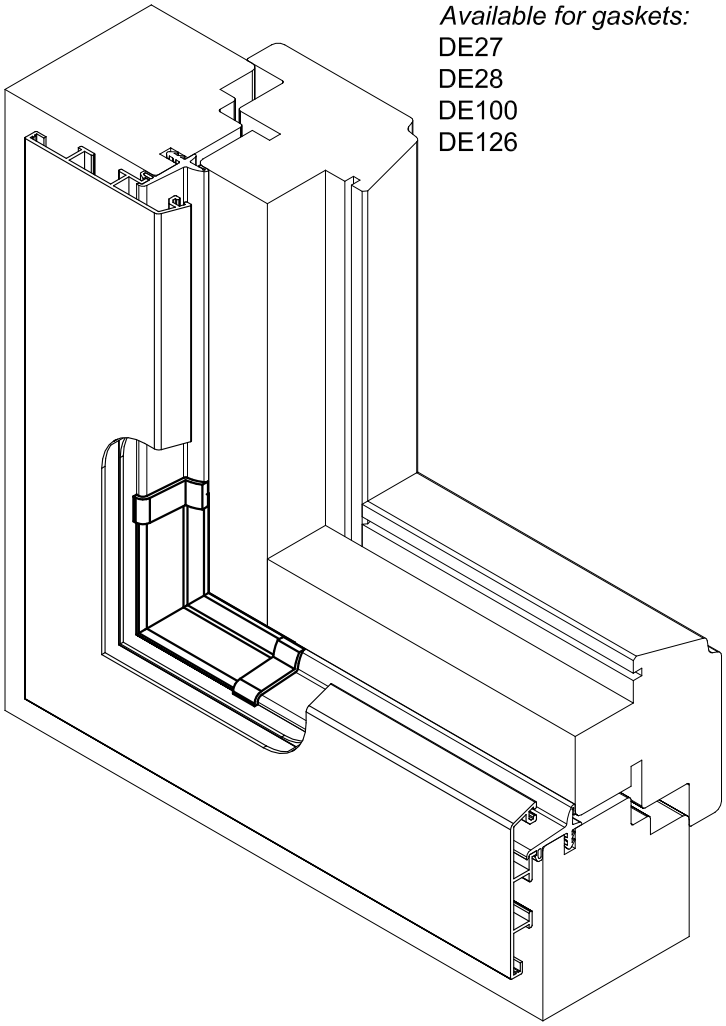
Angoli prestampati

Modalità d'impiego:
Inserire gli angoli prestampati sul telaio.
Tagliare la guarnizione a 90° con misura pari a interno telaio legno-100mm.
Incollare con collante cianoacrilico elastomerico LC-RE o similare.

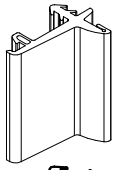
Methods of use:
-fit the pre-cast corners onto the frame
-Cut the gasket at 90° observing the internal dimension of the frame - 100mm
-Glue the corners and the gasket together using Cyanoacrylate elastomeric glue LC-RE or similars

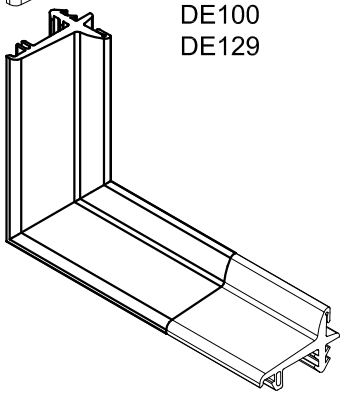


Disponibili per guarnizioni:
Available for gaskets:
DE27
DE28
DE100
DE126

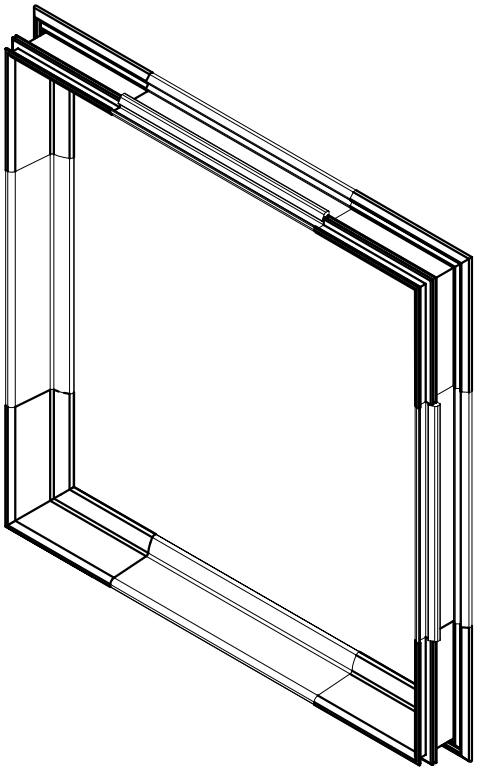


Telai vulcanizzati

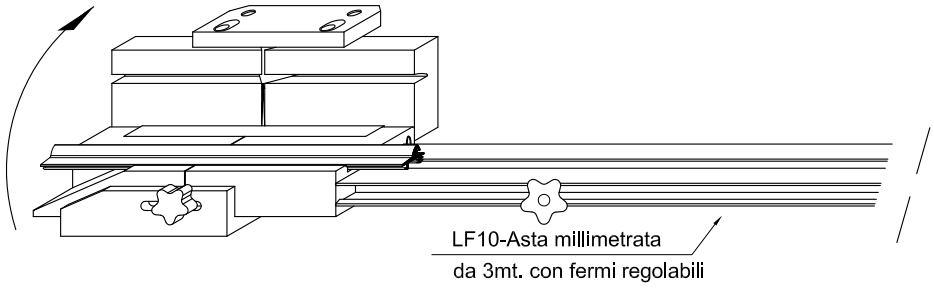


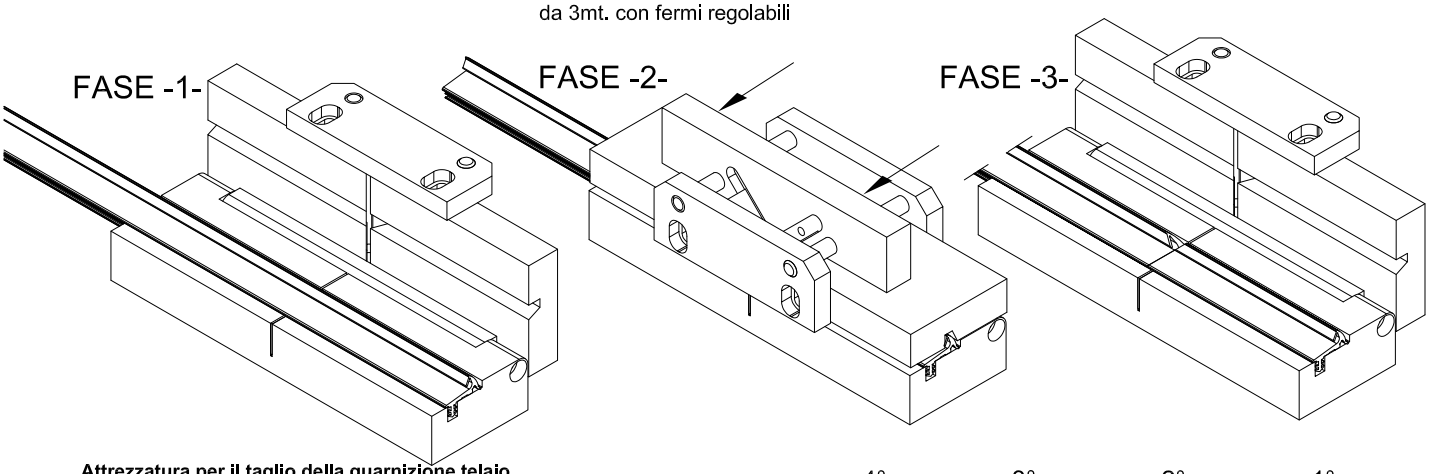


Disponibili per guarnizioni:
Available for gaskets:
DE27
DE28
DE87
DE100
DE129



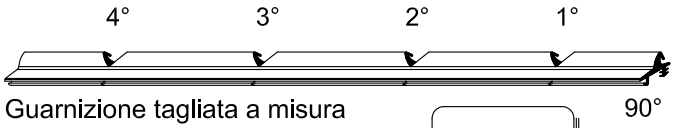
Ⓘ Angoli prestampati e guarnizioni vulcanizzate
Ⓓ Vorgedruckte Ecken und vulkanisierte Dichtungen
Ⓔ Esquinas preestampadas y juntas vulcanizadas
Ⓕ Angles préimprimés et joints vulcanisés
Ⓤⓚ Cast corners and vulcanized gaskets





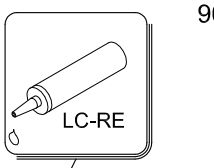
Attrezzatura per il taglio della guarnizione telaio

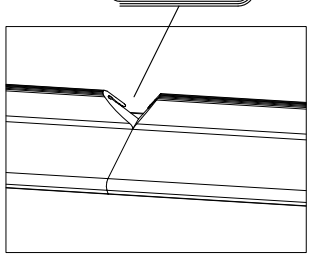
Fasi di taglio delle guarnizioni:
-Tagliare la guarnizione a 90°, posizionarla sul fermo n. 1 per realizzare il primo angolo (prima parte del traverso superiore);
-Posizionare la guarnizione sul fermo n. 2 per realizzare il secondo angolo (montante sinistro)
-Posizionare la guarnizione sul fermo n. 3 per realizzare il terzo angolo (traverso inferiore)
-Posizionare la guarnizione sul fermo n. 2 per realizzare il quarto angolo (montante destro)
-Posizionare la guarnizione sul fermo n. 1, e tagliarla a 90° prendendo come riferimento la Tagliare la guarnizione a 90° per realizzare la seconda parte del traverso superiore.

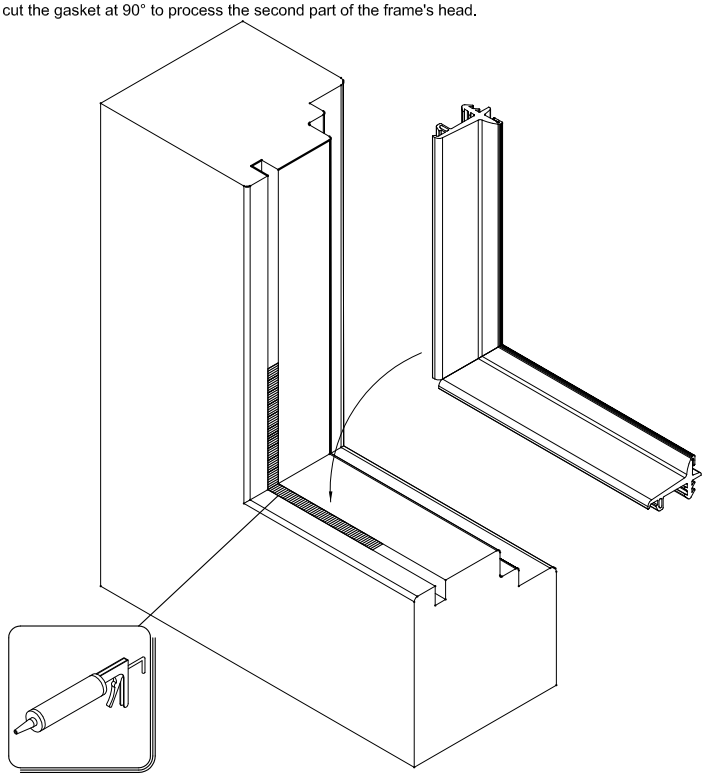


Tools for cutting the frame's gasket

Steps of the gasket's cut:
-cut the gasket at 90°, place it on the point n.1 to process the first corner first part of the frame's head);
-place the gasket on the point n.2 to process the second corner (frame's left jamb);
-place the gasket on the point n.3 to process the third corner (frame sill);
-place the gasket on the point n.2 to process the fourth corner (frame's right jamb);
-place the gasket on the point n.1 and cut it at 90° viewing the blade as reference point. Then cut the gasket at 90° to process the second part of the frame's head.





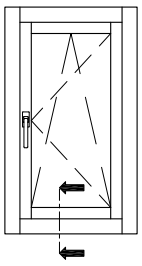


Codice	Descrizione
LF5	Taglio DE81
LF6	Taglio DE27-DE87-DE126
LF7	Taglio DE28
LF8	Taglio DE147
LF12	Taglio DE54
LF13	Taglio DE149
LF14	Taglio DE58-DE124
LF15	Taglio DE59-DE129
LF16	Taglio DE60
LF20	Taglio DE100
LF22	Taglio DE156

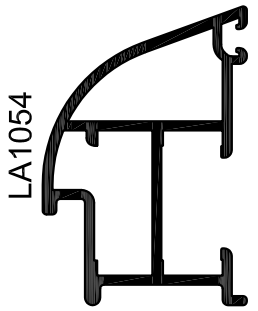
Ⓘ Attrezzatura per il taglio guarnizioni telaio
Ⓓ Schere für Rahmendichtung
Ⓔ Herramienta para cortar las juntas del marco
Ⓕ Outillage pour la coupe du joint dormant
Ⓤⓚ Special equipment for the cut of the frame's gaskets

Tavole tecniche
Technical Drawings

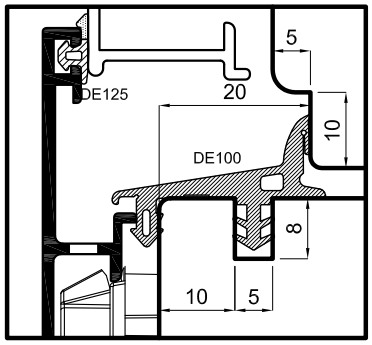
uniform
sistemi per serramenti



Profilo per ordini a barre ed assemblato
Use profile LA1054 for assembled frames

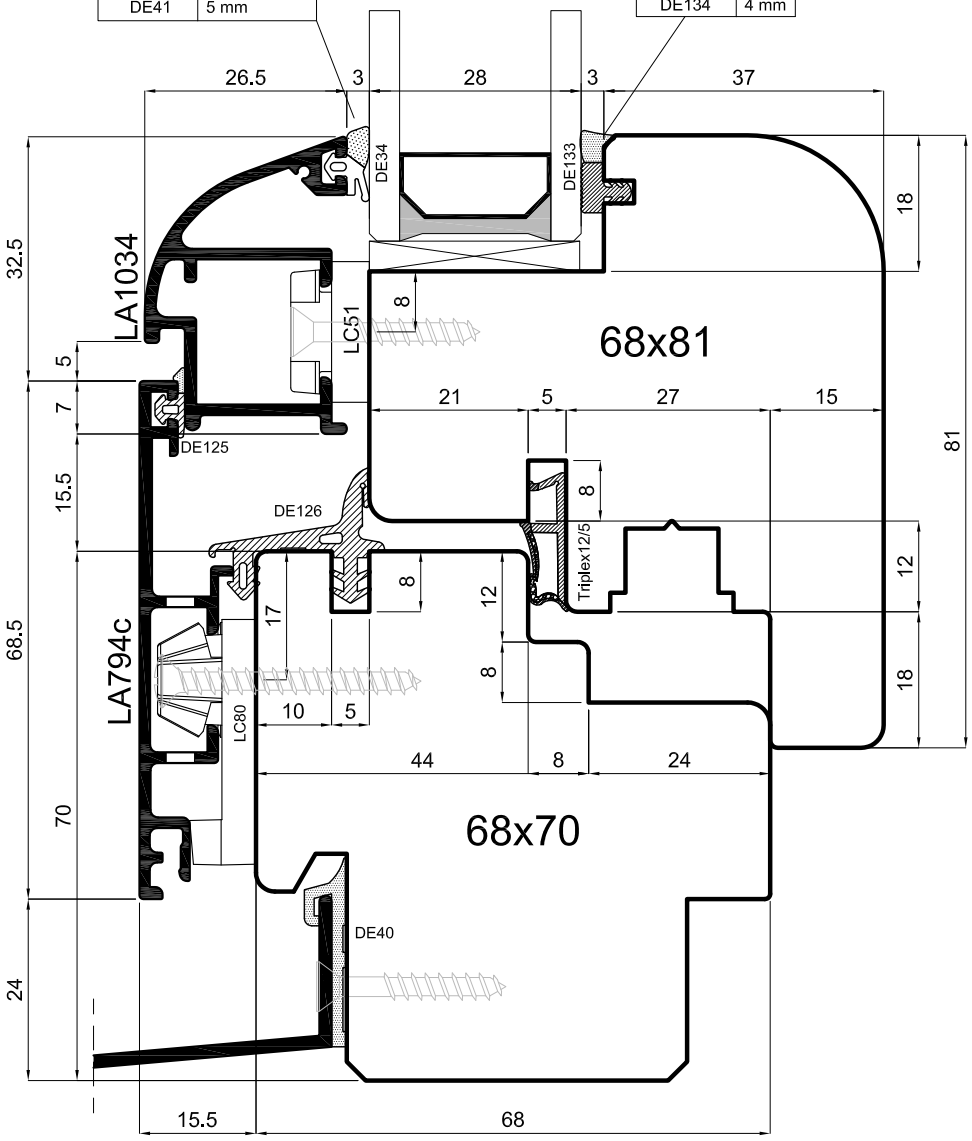


VARIANTE GUARNIZIONE TELAIO

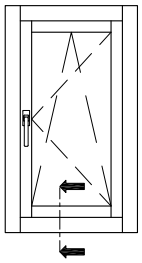


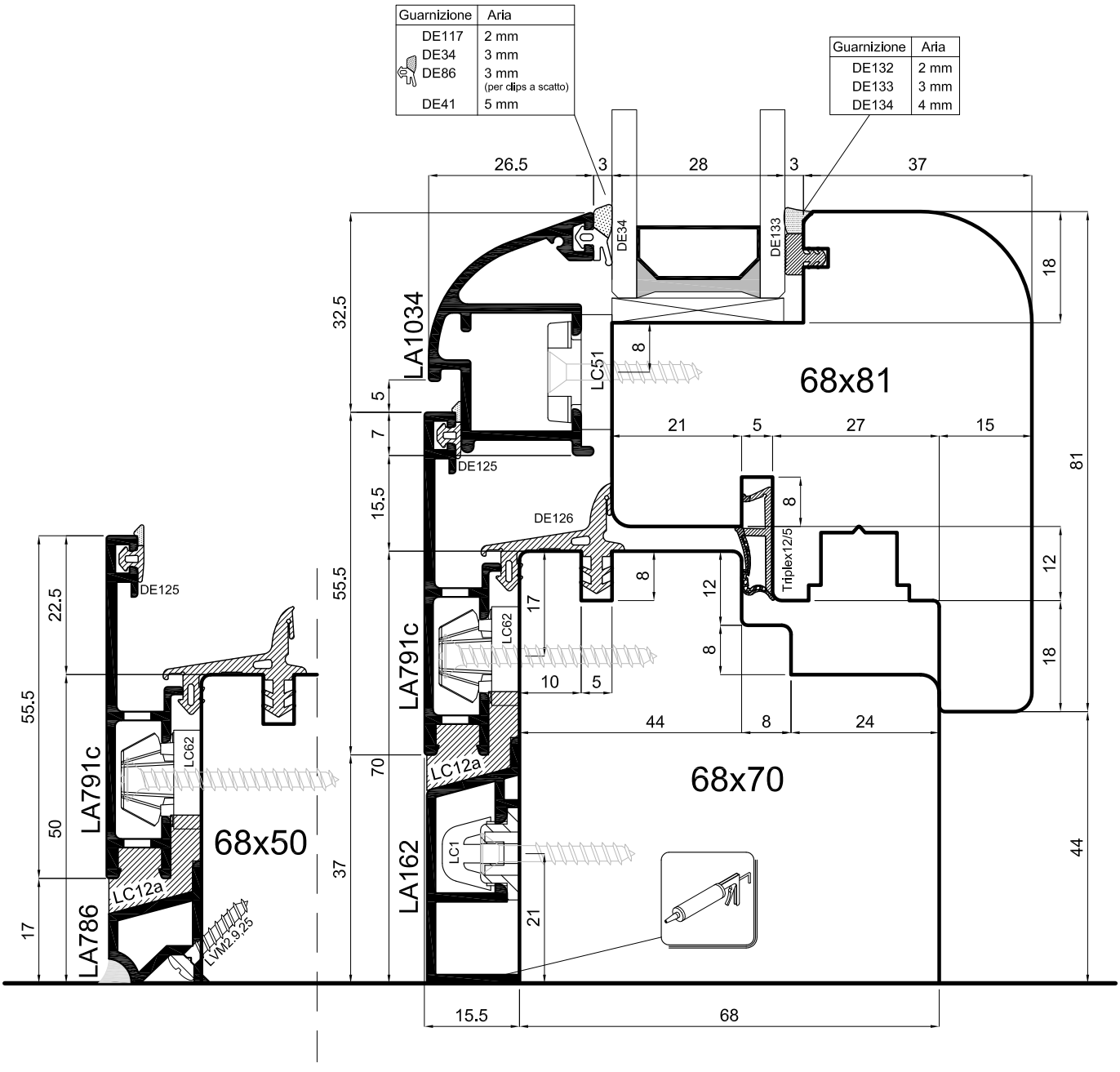
Guarnizione	Aria
DE117	2 mm
DE34	3 mm
DE86	3 mm (per clips a scatto)
DE41	5 mm

Guarnizione	Aria
DE132	2 mm
DE133	3 mm
DE134	4 mm



Ⓘ Sezione verticale traverso inferiore finestra
Ⓓ Vertikalschnitt Fenster quer unten
Ⓔ Sección vertical travesaño inferior de la ventana
Ⓕ Coupe verticale traverse inférieure fenêtre
Ⓤⓚ Vertical section of the window's lower ledger



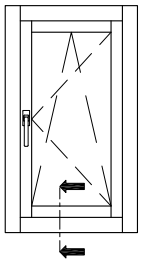


Bold-Line

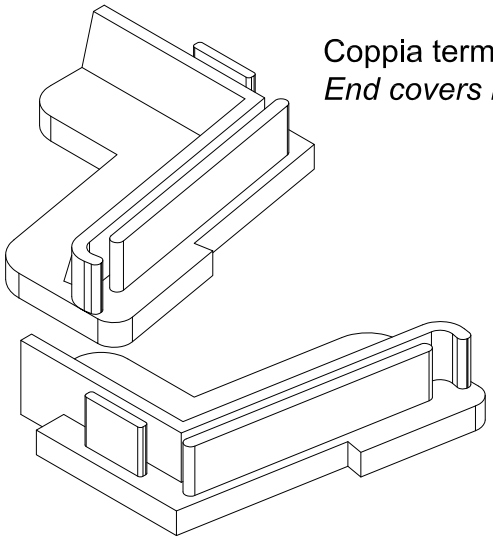
uniform

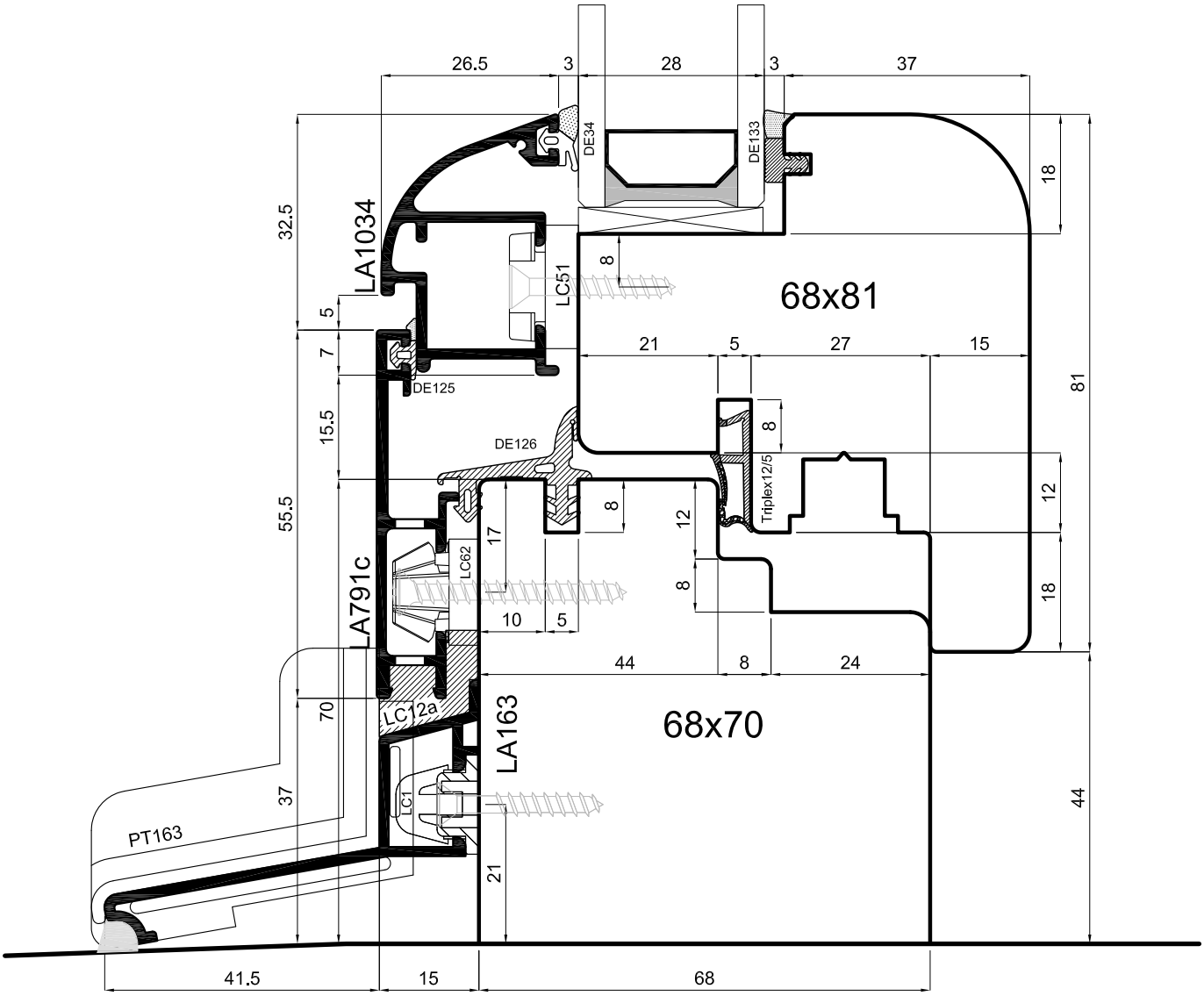
Scala 1:1

Ⓘ Sezione verticale traverso inferiore finestra
Ⓓ Vertikalschnitt Fenster quer unten
Ⓔ Sección vertical travesaño inferior de la ventana
Ⓕ Coupe verticale traverse inférieure fenêtre
Ⓤⓚ Vertical section of the window's lower ledger



Coppia terminali dx-sx PT163
End covers PT163



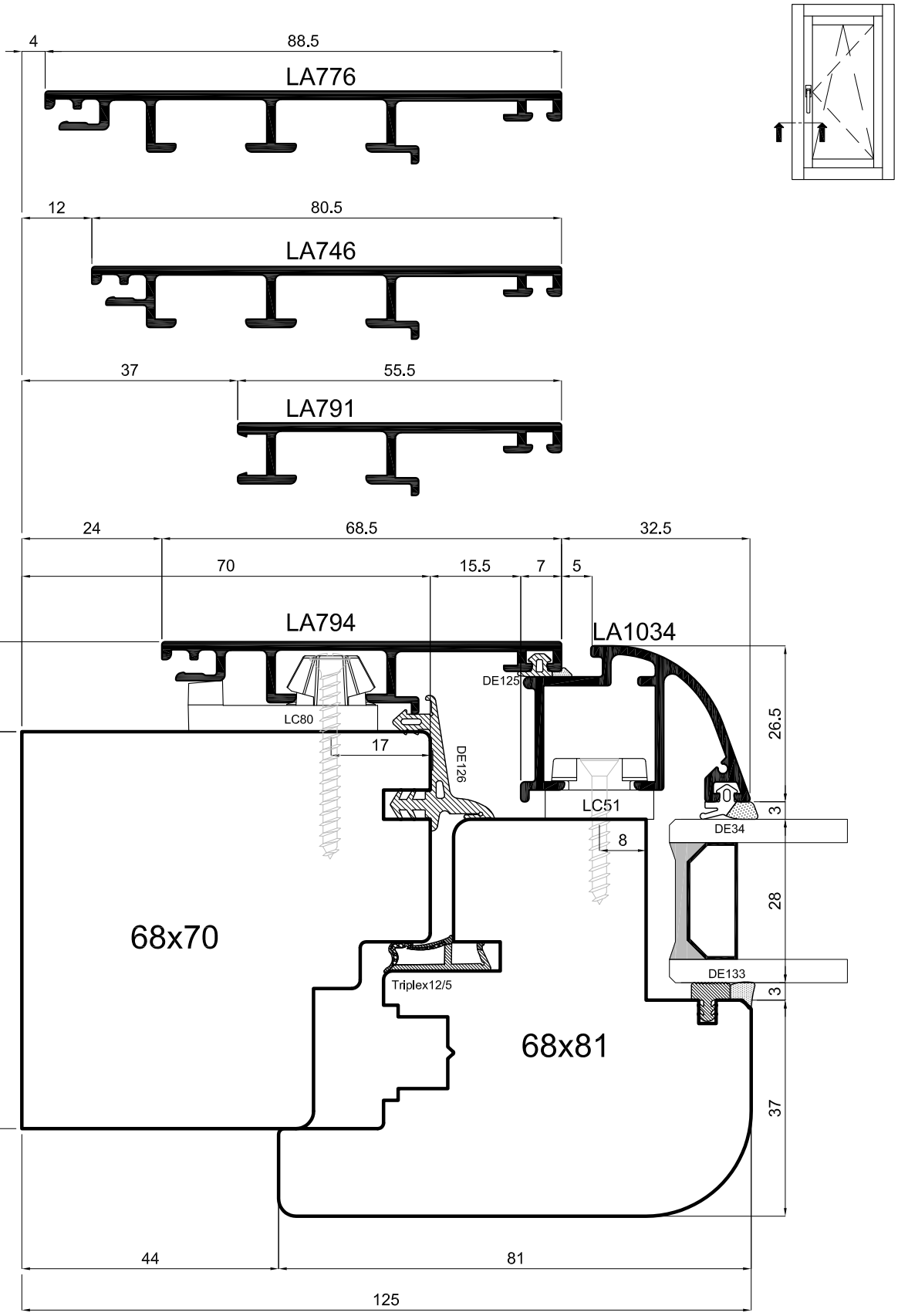


Bold-Line

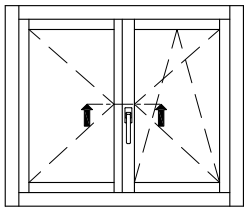
uniform

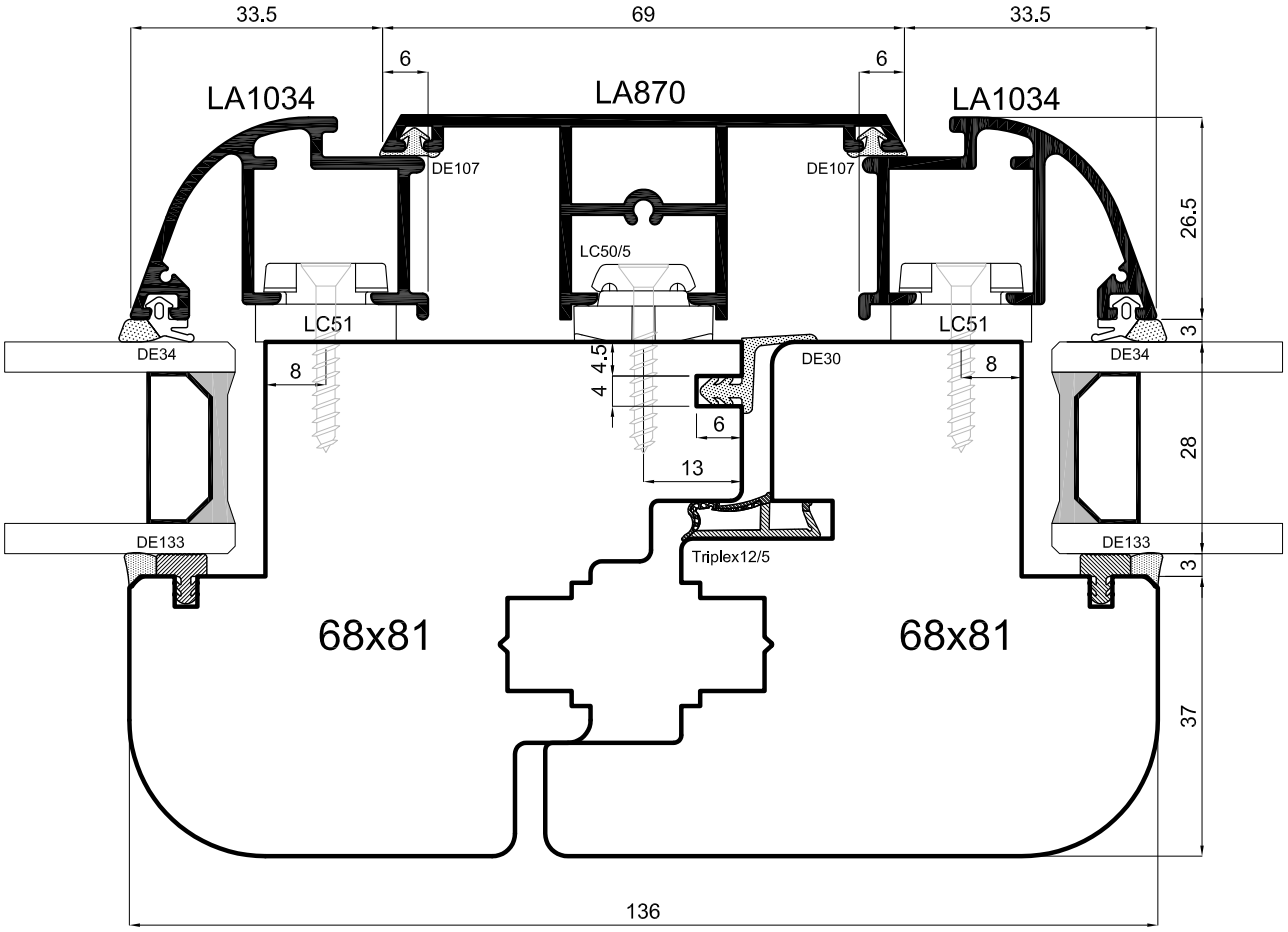
Scala 1:1

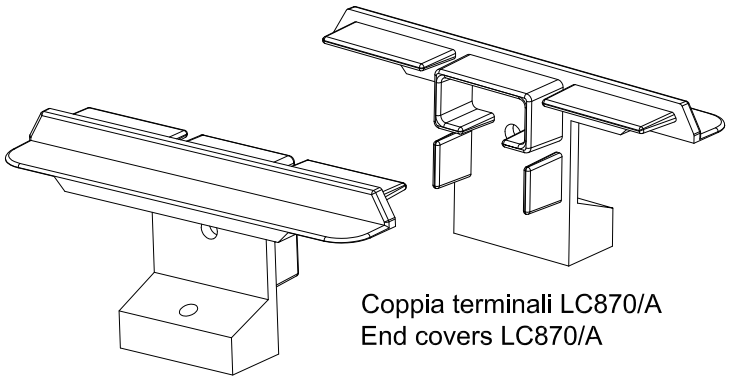
Ⓘ Sezione verticale traverso inferiore finestra
Ⓓ Vertikalschnitt Fenster quer unten
Ⓔ Sección vertical travesaño inferior de la ventana
Ⓕ Coupe verticale traverse inférieure fenêtre
Ⓤⓚ Vertical section of the window's lower ledger



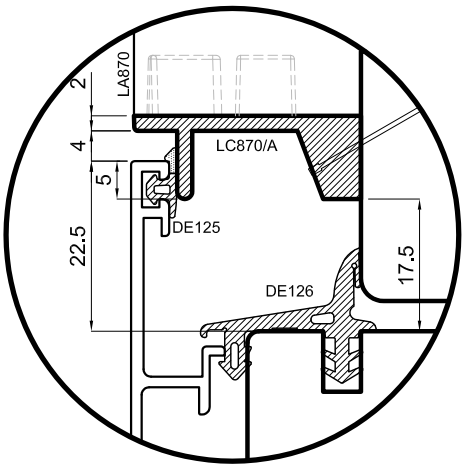
Ⓘ Sezione orizzontale montanti laterali
Ⓓ Horizontalschnitt senkrecht seitlich
Ⓔ Sección horizontal montantes laterales
Ⓕ Coupe horizontale montants latéraux
Ⓤⓚ Horizontal section of the lateral jamb



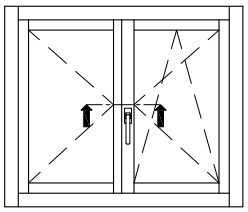


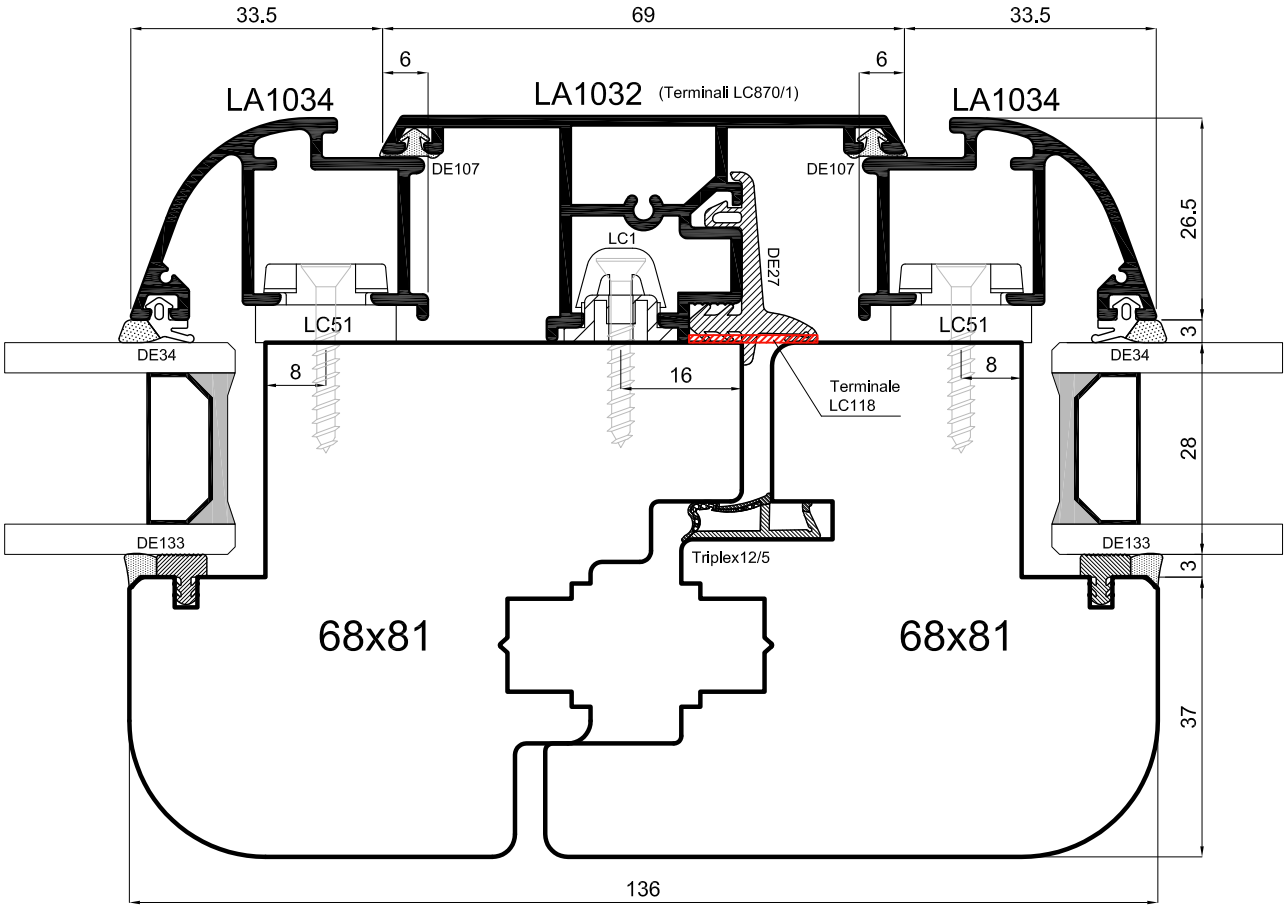


Coppia terminali LC870/A
End covers LC870/A

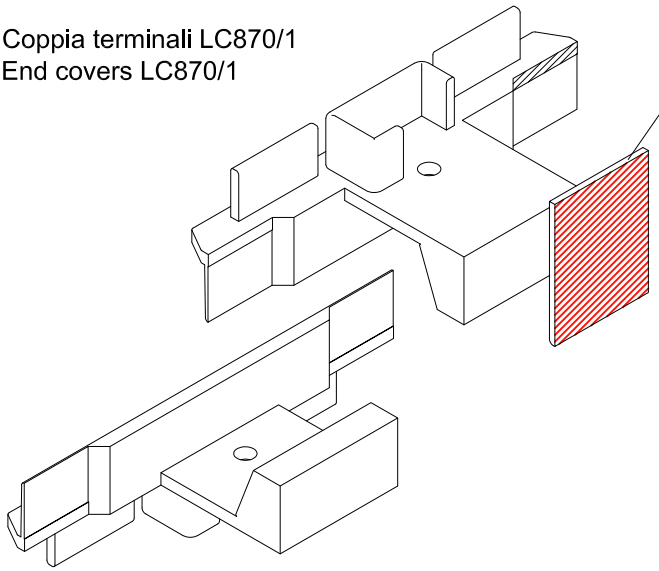


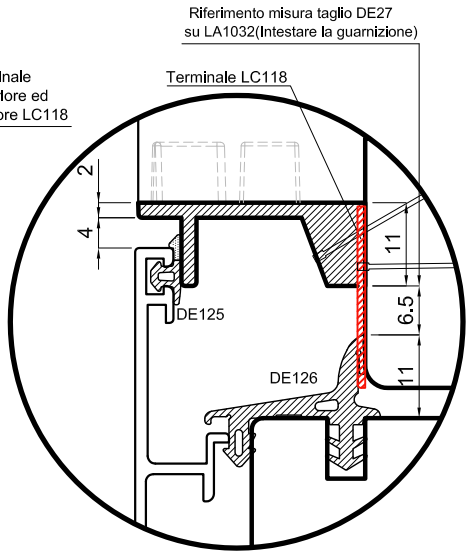
Ⓘ Sezione orizzontale chiusura centrale con profilo LA870
Ⓓ Horizontalschnitt Stulpprofil LA870
Ⓔ Sección horizontal del cierre central con perfil LA870
Ⓕ Coupe horizontale battement central avec profil LA870
Ⓤⓚ Horizontal section of the middle clamp with profile LA870





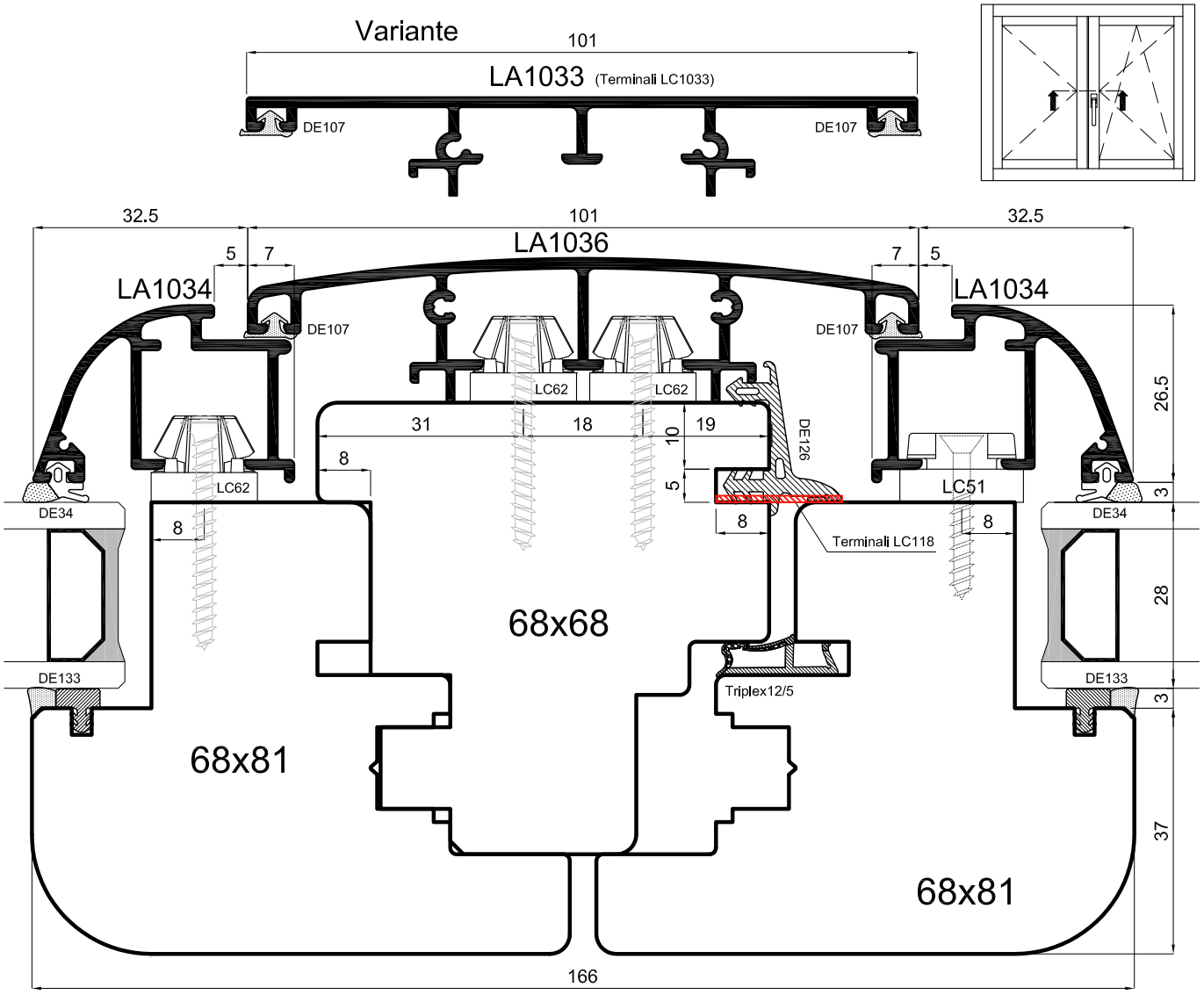
Coppia terminali LC870/1
End covers LC870/1



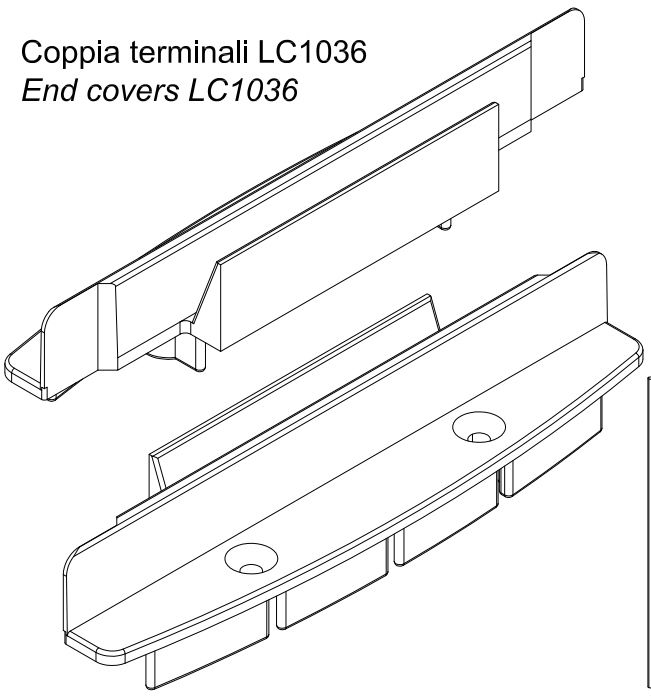


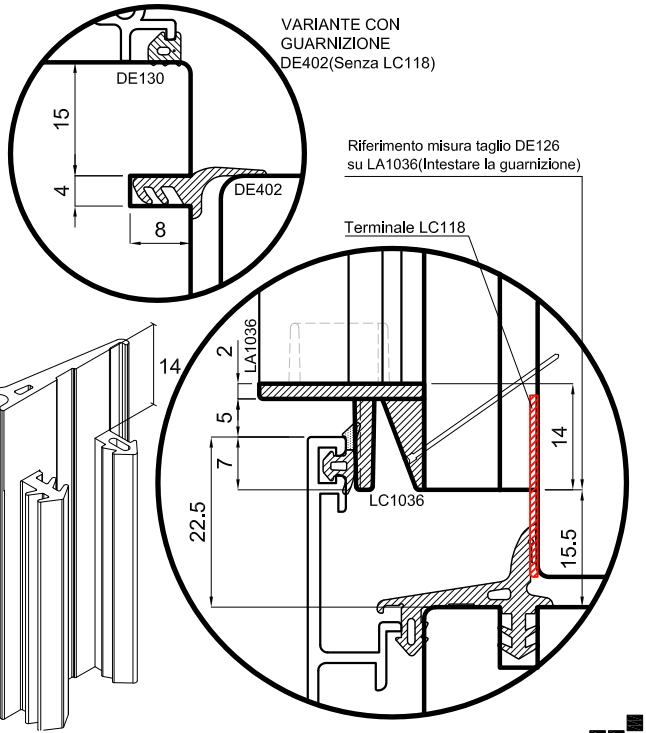
Scala 1:1

Ⓘ Sezione orizzontale chiusura centrale con profilo LA1032
Ⓓ Horizontalschnitt Stulpprofil LA1032
Ⓔ Sección horizontal del cierre central con perfil LA1032
Ⓕ Coupe horizontale battement central avec profil LA1032
Ⓤⓚ Horizontal section of the middle clamp with profile LA1032



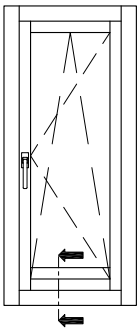
Coppia terminali LC1036
End covers LC1036

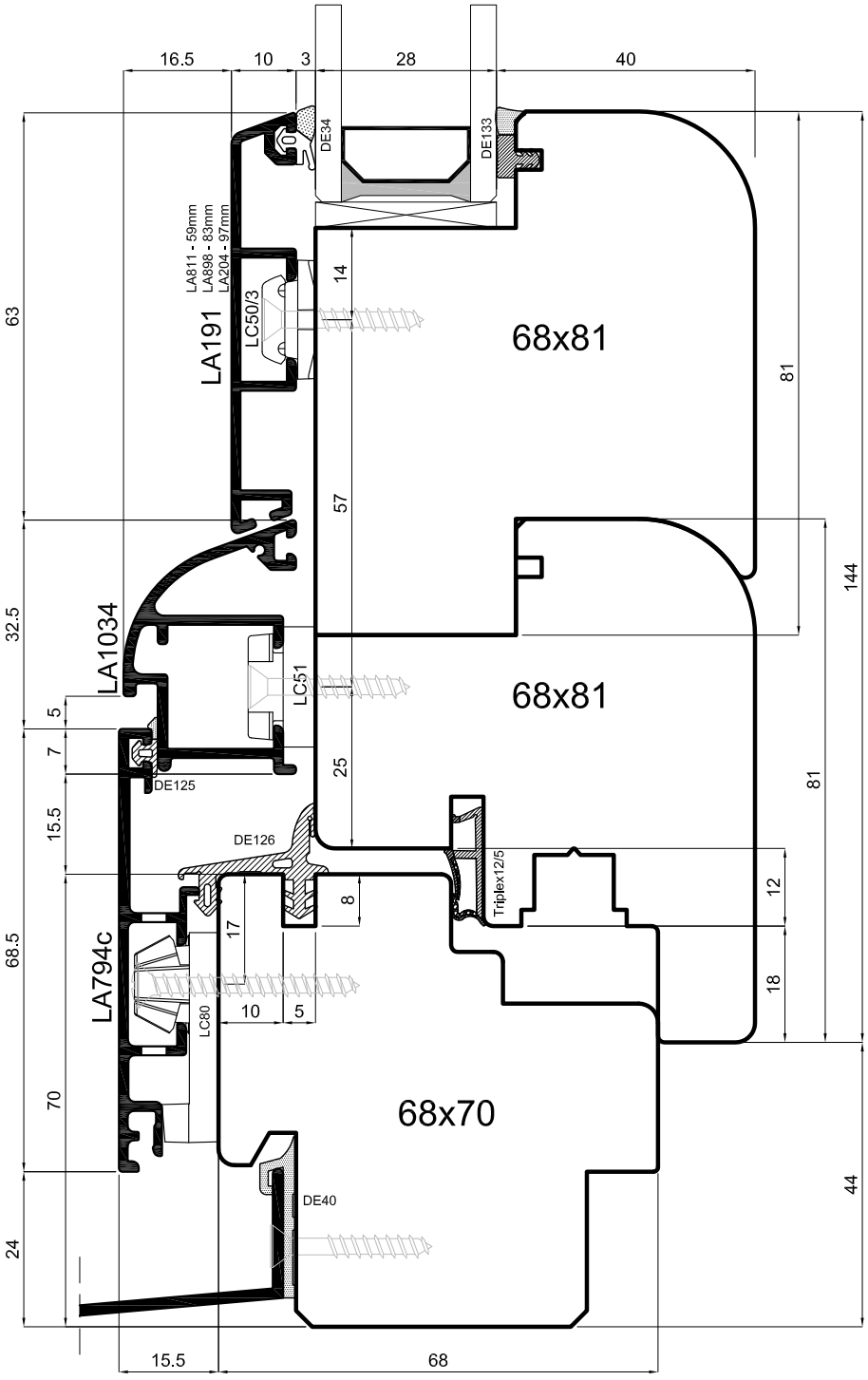




Scala 1:1

Ⓘ Sezione orizzontale chiusura centrale con profilo LA1036
Ⓓ Horizontalschnitt Stulpprofil LA1036
Ⓔ Sección horizontal del cierre central con perfil LA1036
Ⓕ Coupe horizontale battement central avec profil LA1036
Ⓤⓚ Horizontal section of the middle clamp with profile LA1036



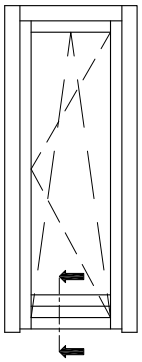


Bold-Line

uniform

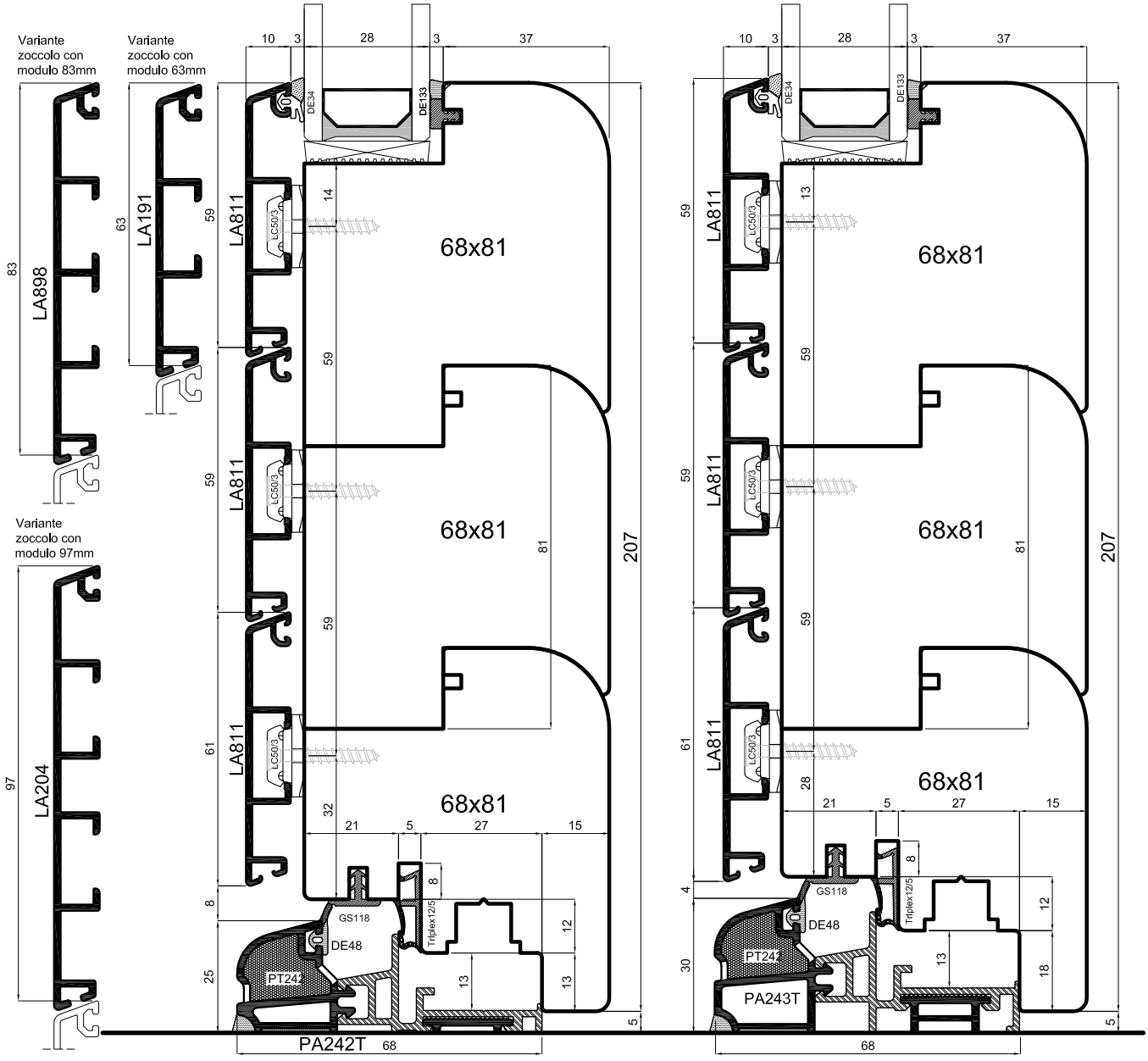
Scala 0.9:1

Ⓘ Sezione verticale traverso inferiore portafinestra
Ⓓ Vertikalschnitt Balkontür quer unten
Ⓔ Sección vertical travesaño inferior puertaventana
Ⓕ Section verticale traverse inférieure porte-fenêtre
Ⓤⓚ Vertical section of the window's lower ledger for door-height window



Soglia H 25mm

Soglia H 30mm

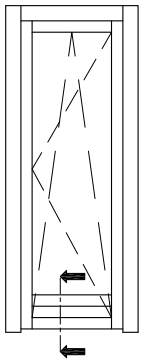


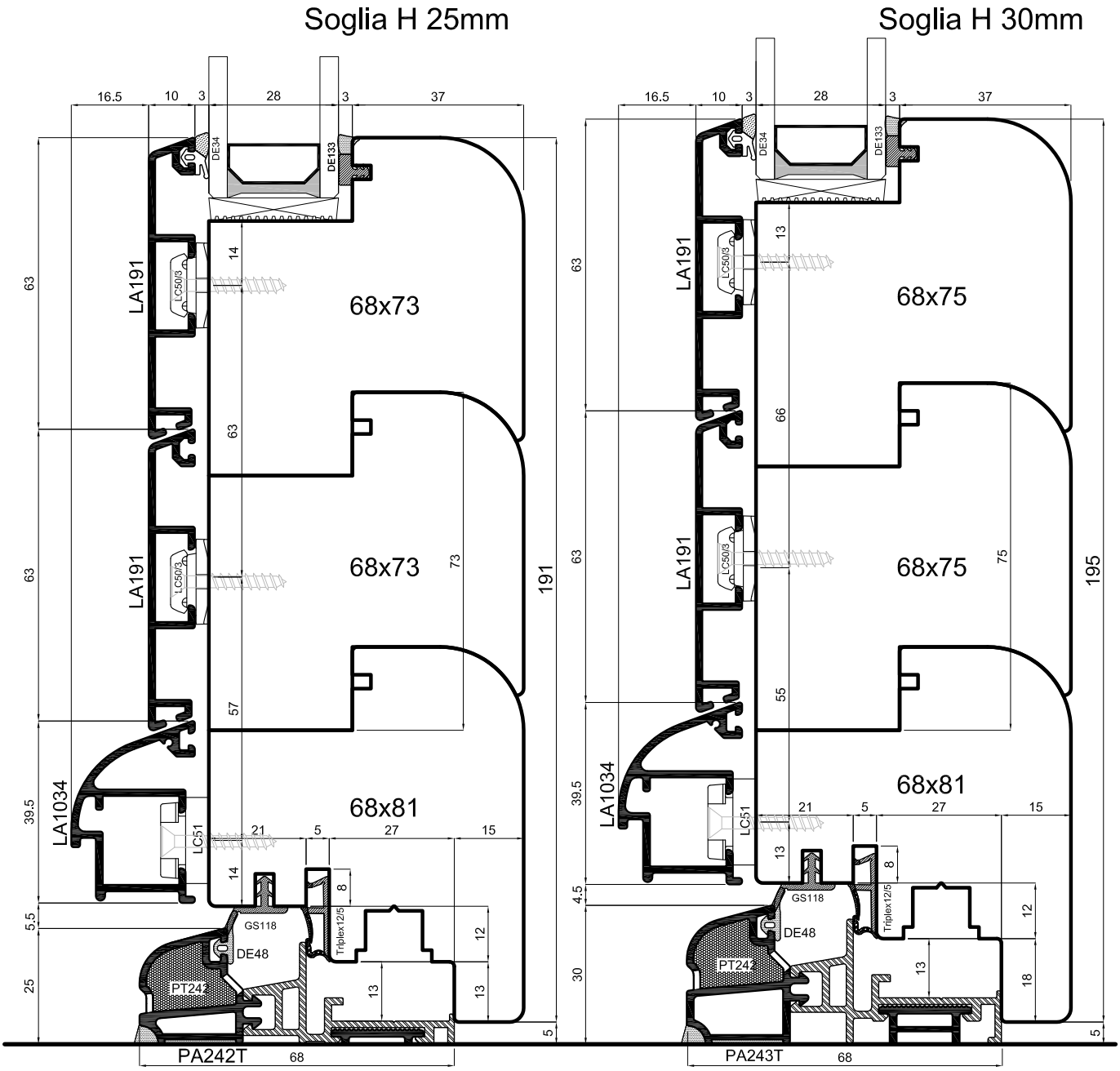
Drop-Line

uniform

Scala 0.7:1

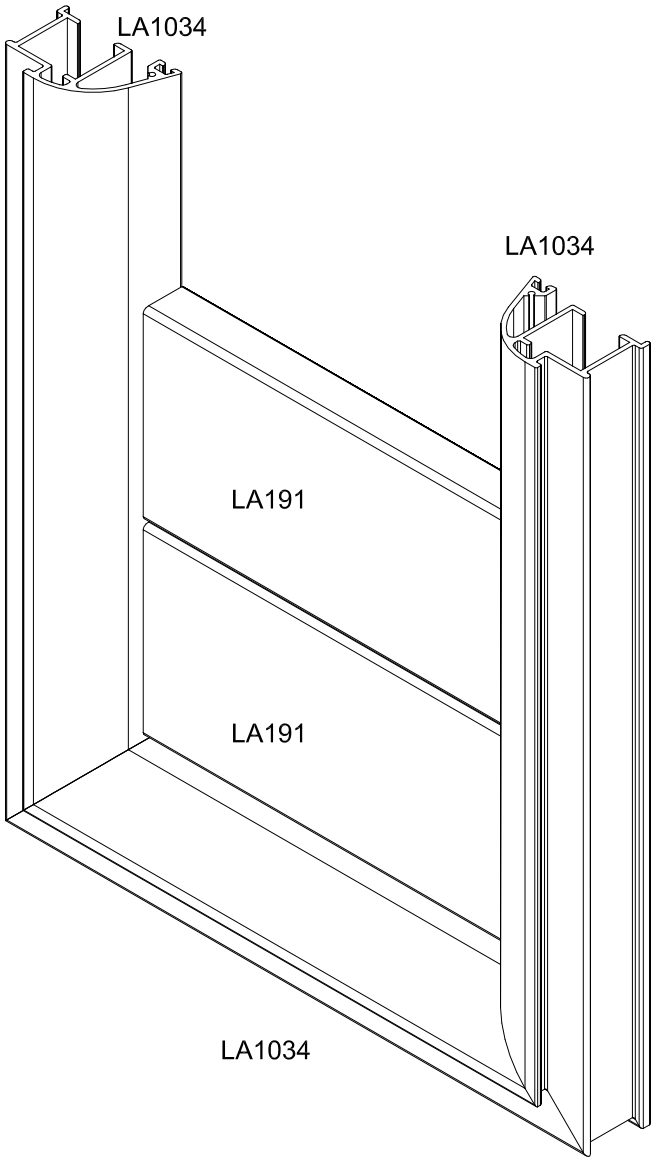
Ⓘ Sezione verticale traverso inferiore portabalcone con profilo PA242T-PA243T
Ⓓ Vertikalschnitt Balkontür quer unten mit Profil PA242T-PA243T
Ⓔ Sección vertical travesaño inferior puertaventana con perfil PA242T-PA243T
Ⓕ Section verticale traverse inférieure porte-balcon avec profil PA242T-PA243T
Ⓤⓚ Vertical section of the balcony door's lower ledger with profile PA242T-PA243T



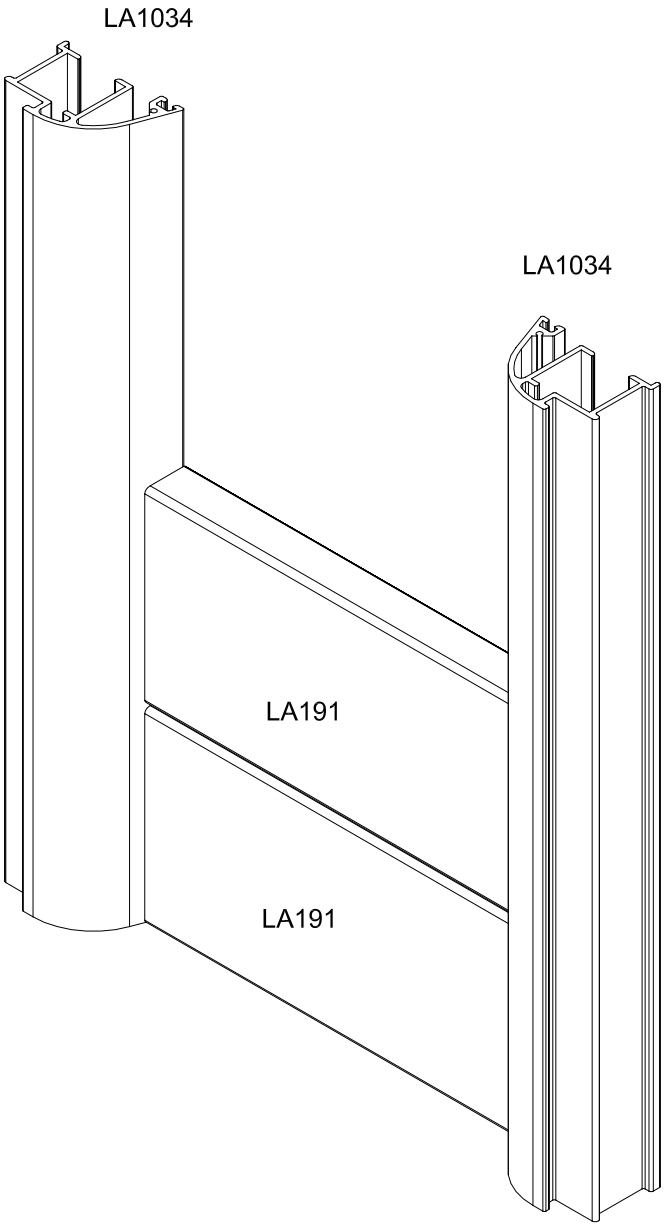


Ⓘ Sezione verticale traverso inferiore portabalcone con profilo PA242T-PA243T
Ⓓ Vertikalschnitt Balkontür quer unten mit Profil PA242T-PA243T
Ⓔ Sección vertical travesaño inferior puertaventana con perfil PA242T-PA243T
Ⓕ Section verticale traverse inférieure porte-balcon avec profil PA242T-PA243T
Ⓤ Vertical section of the balcony door's lower ledger with profile PA242T-PA243T

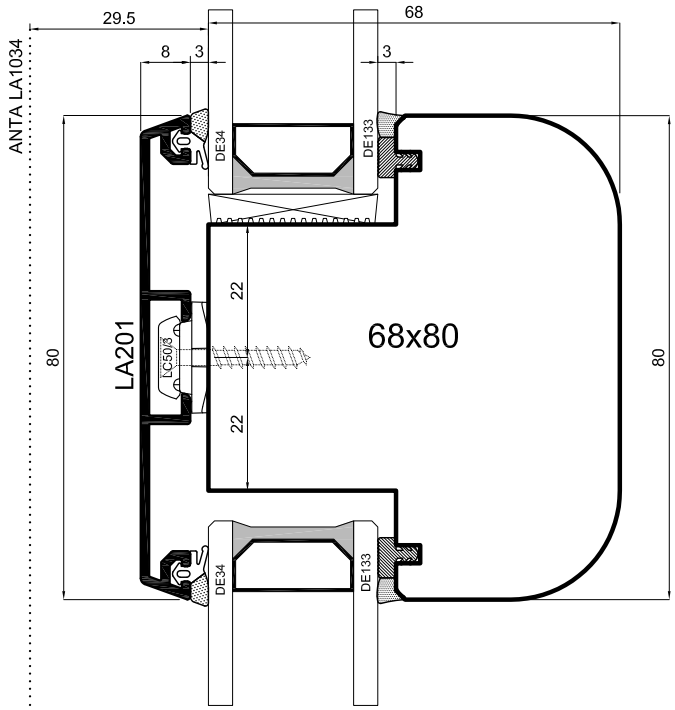
Soluzione con profilo anta su 4 lati

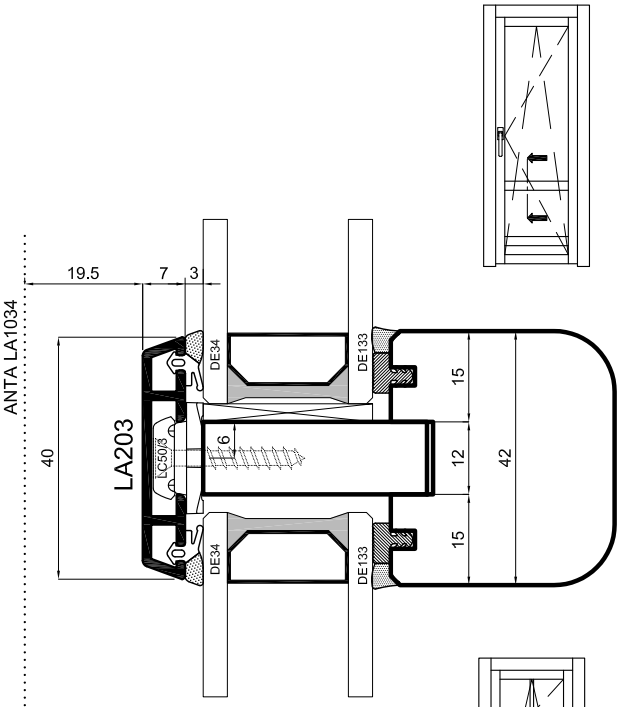


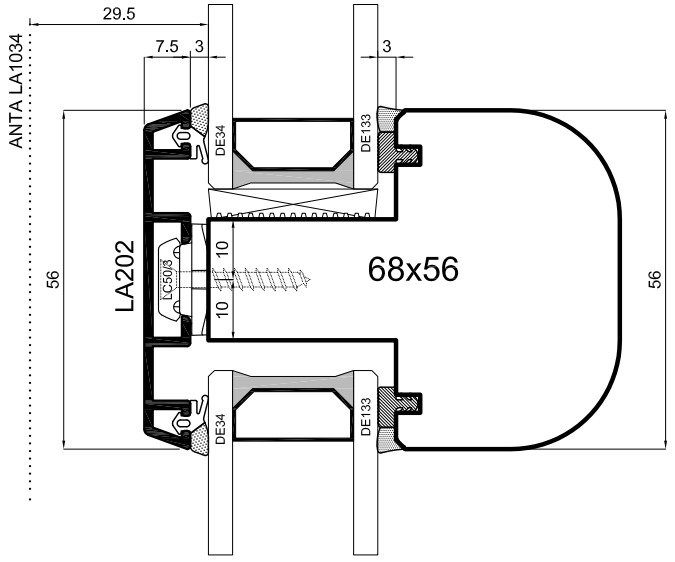
Soluzione con profilo anta su 3 lati

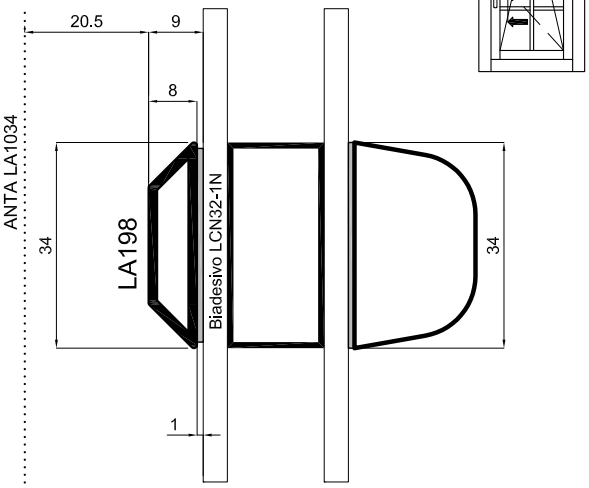


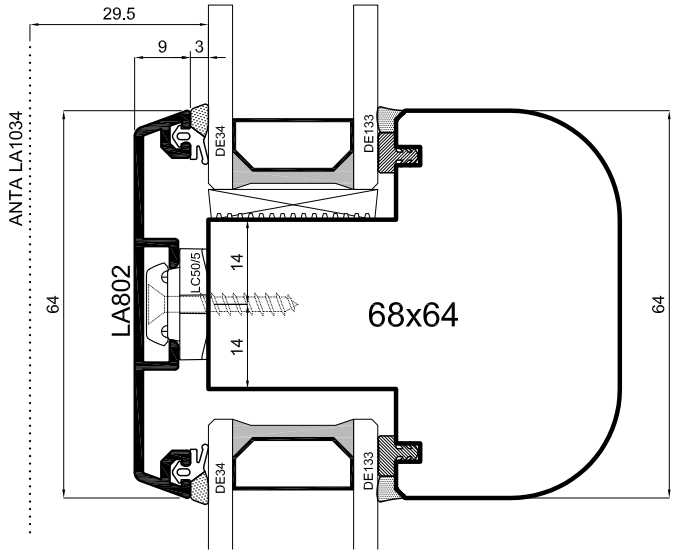
Ⓘ Sezione traverso inferiore portabalcone
Ⓓ Schnitt Balkontür quer unten
Ⓔ Sección travesaño inferior puertaventana
Ⓕ Section traverse inférieure porte-balcon
Ⓤⓚ Section of the balcony door's lower ledger

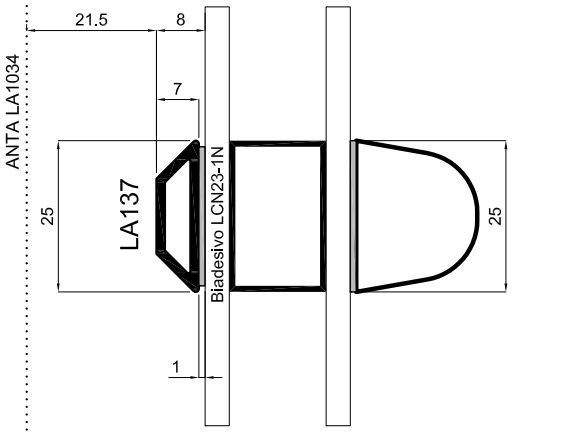






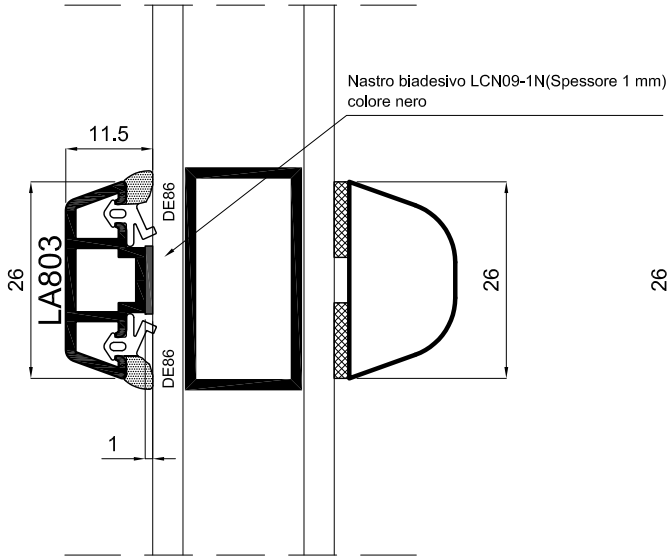


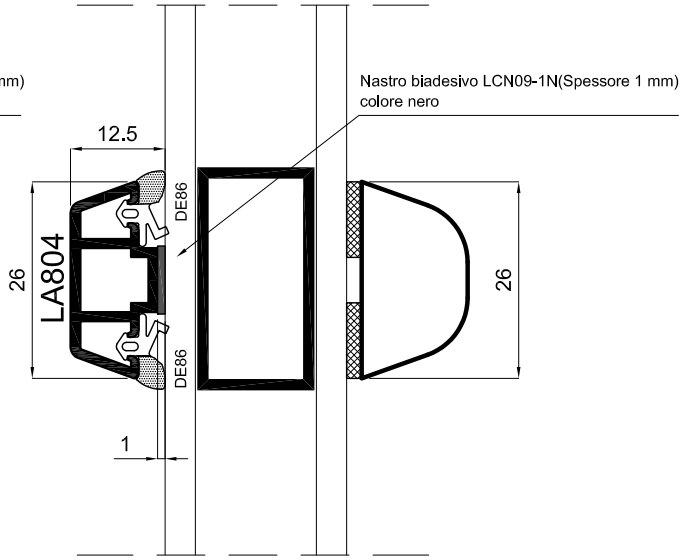


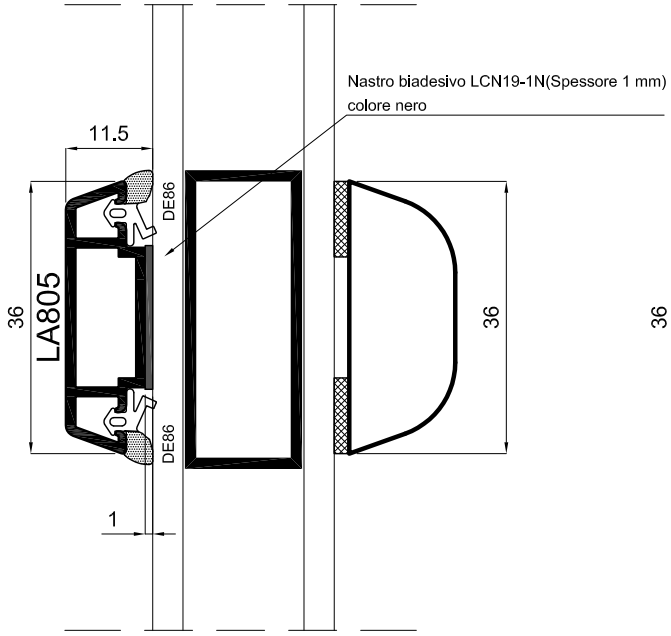


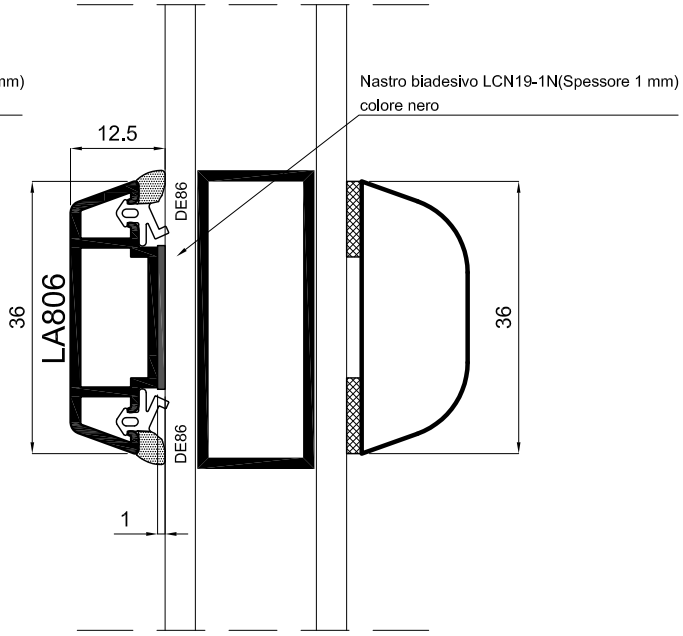
Scala 0.8:1

Ⓘ Sezione verticale traversi intermedi anta
Ⓓ Vertikalschnitt Sprossen im Flügel
Ⓔ Sección vertical travesaños intermedios de la hoja
Ⓕ Coupe verticale traverses intermédiaires vantail
Ⓤⓚ Vertical section of the sash intermediate rails









Istruzioni per l'incollaggio degli sprossen al vetro:

-Pulire la superficie del vetro con solvente alcolico;

-Pulire la superficie del profilo in alluminio in cui andrà in appoggio il nastro con soluzione LCPRIMER86;

-Fare aderire il nastro al profilo in alluminio e successivamente al vetro, esercitando più possibile una pressione uniforme.

NOTA: la temperatura ideale per l'applicazione del nastro biadesivo è da 20 a 38° C.L'applicazione al di sotto dei 10° C è sconsigliata poichè l'adesivo risulta troppo rigido per aderire in modo appropriato.

Instructions for glueing the Georgian bars onto the glazing

-clean the surface of the glazing with solvent based cleaner

-use LCPRIMER86 to clean the surface of the alu profile before applying the double sided adhesive tape

-apply the double sided adhesive tape onto the alu profile first, and then press onto the glazing using uniform pressure

Please note that: the ideal temperature for applying the double sided adhesive tape is between 20 and 38°C. Application below 10°C is not recommended because the double sided adhesive tape would be too much rigid and would not adhere appropriately.

Scala 1:1

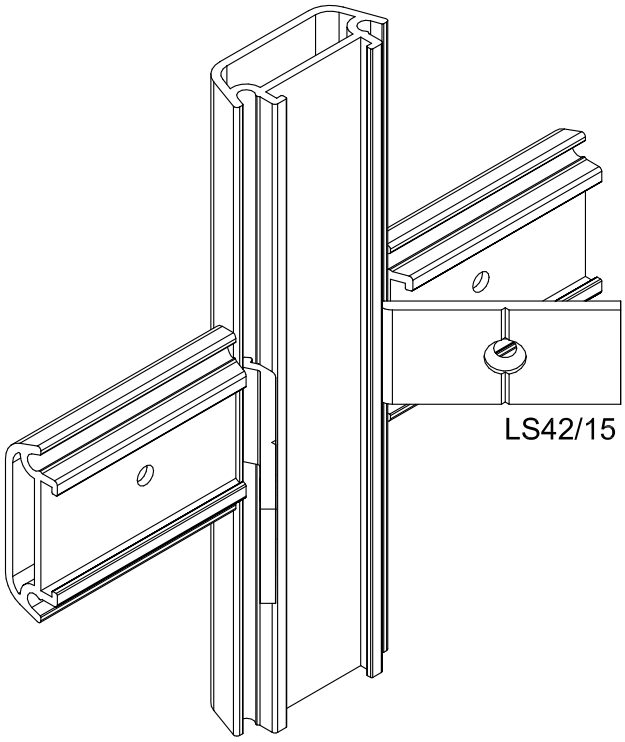
Ⓘ Sezione verticale traversi intermedi anta

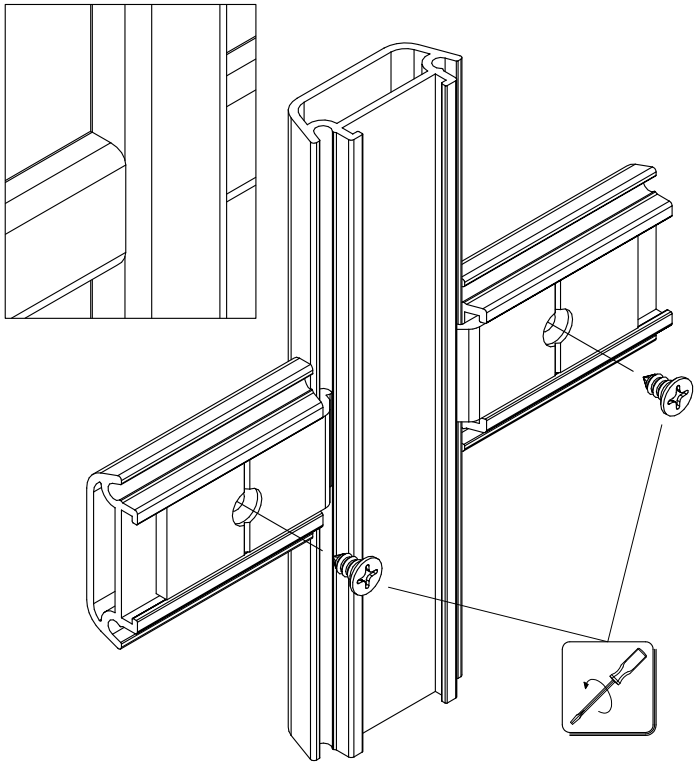
Ⓓ Vertikalschnitt Sprossen im Flügel

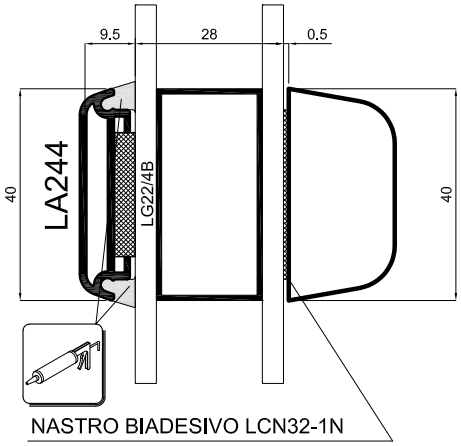
Ⓔ Sección vertical travesaños intermedios de la hoja

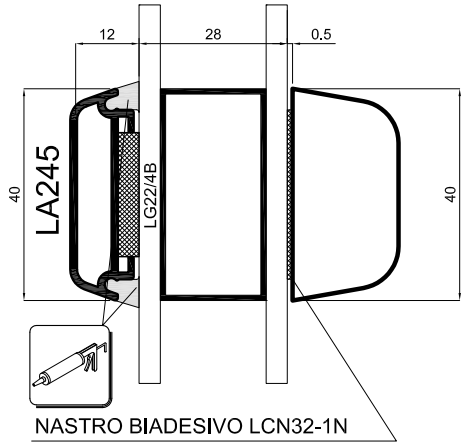
Ⓕ Coupe verticale traverses intermédiaires vantail

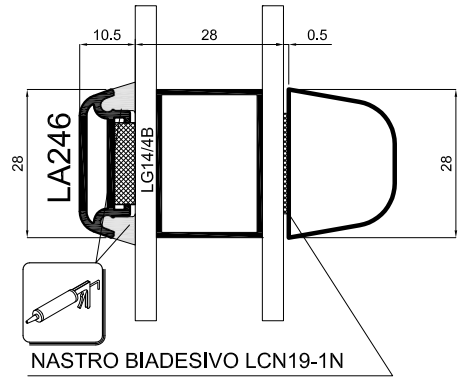
Ⓤⓚ Vertical section of the sash intermediate rails

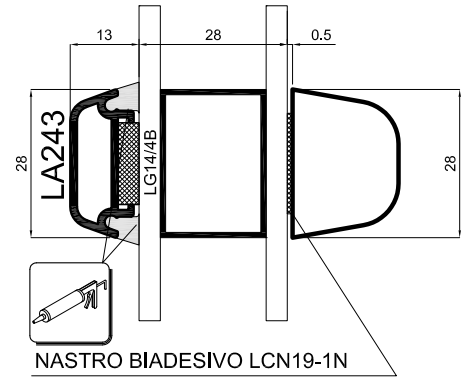












Istruzioni per l'incollaggio degli sprossen al vetro:

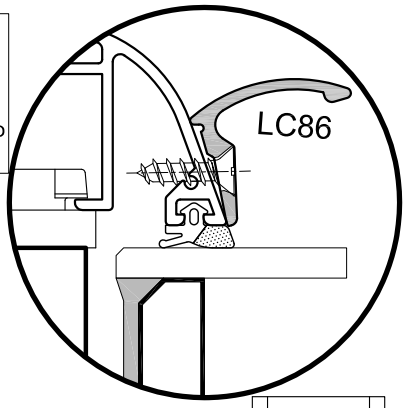
-Pulire la superficie del vetro con solvente alcolico;
-Pulire la superficie del profilo in alluminio in cui andrà in appoggio il nastro con soluzione LCPRIMER86;
-Fare aderire il nastro al profilo in alluminio e successivamente al vetro, esercitando più possibile una pressione uniforme.

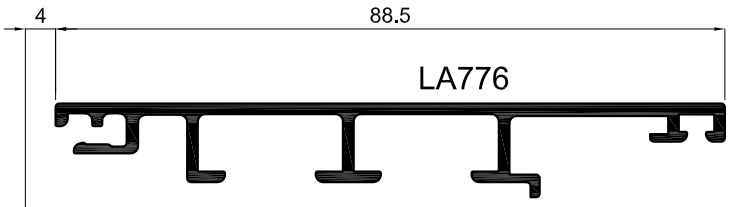
NOTA: la temperatura ideale per l'applicazione del nastro biadesivo è da 20 a 38° C.L'applicazione al di sotto dei 10° C è sconsigliata poichè l'adesivo risulta troppo rigido per aderire in modo appropriato.

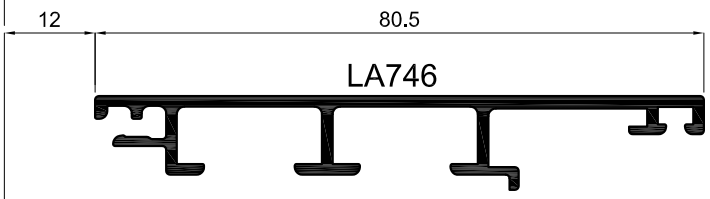
Scala 0.7:1

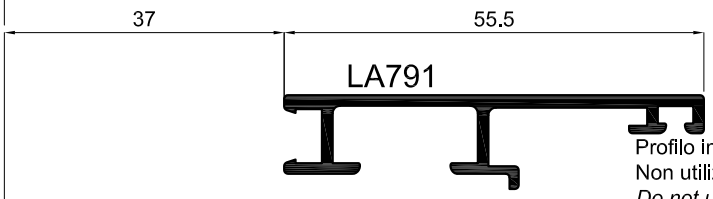
Ⓘ Assemblaggio a croce traversi anta
Ⓓ Kreuzverbindung der Sprossen im Flügel
Ⓔ Enasamblaje cruzado travesaños de la hoja
Ⓕ Système d'assemblage pour croisillon
Ⓤⓚ Cross-Assembling of the sash intermediate rails

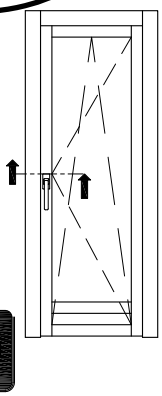
Maniglietta fissa esterna LC86 a richiesta.
Finiture disponibili:
Bronzo chiaro(B15K),Testa di Moro(E28K),Argento(A1K),Bianco 9016



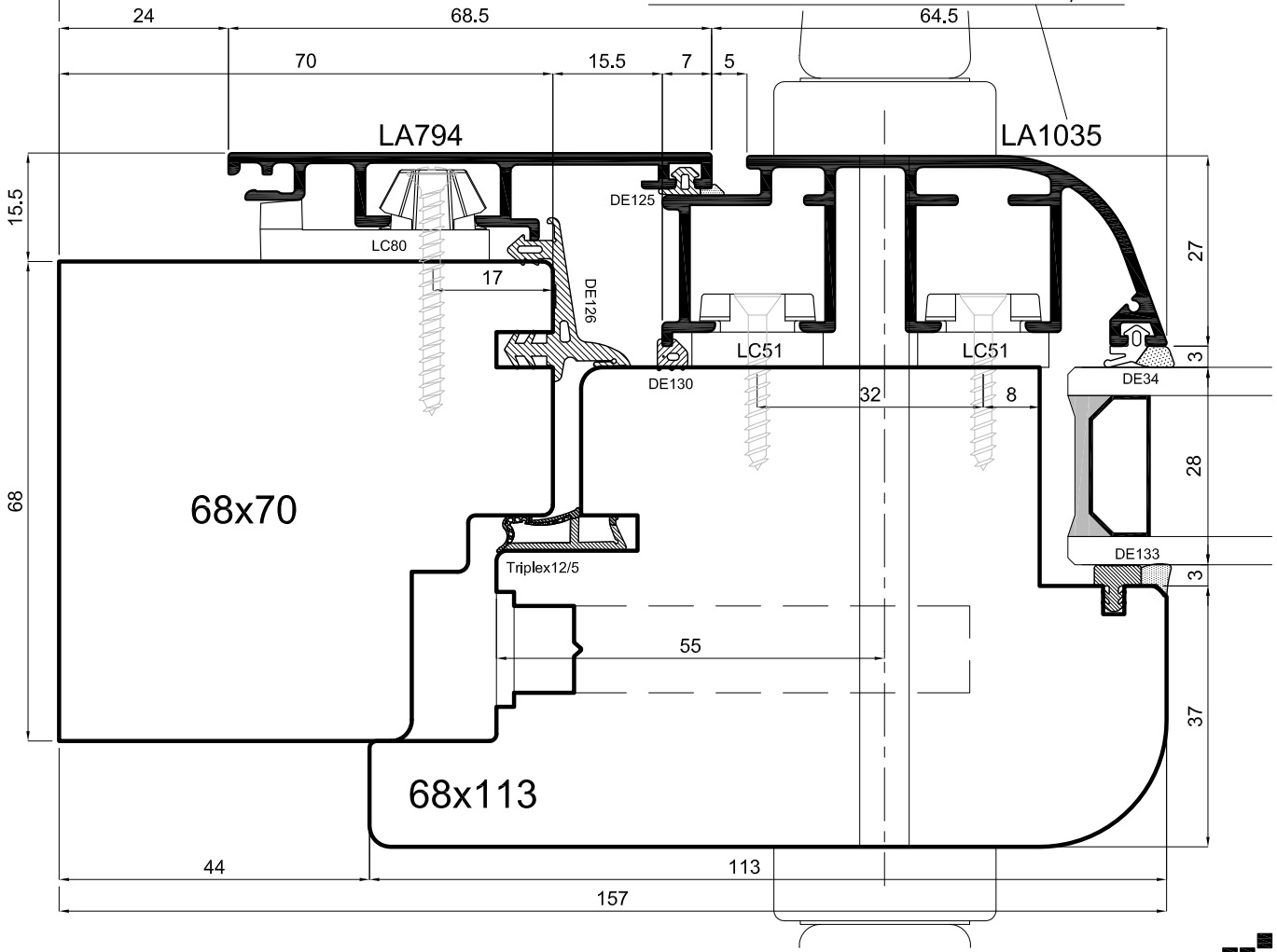








Profilo in alluminio da utilizzare sui 3 o 4 lati dell'anta
Non utilizzabile in combinazione con LA1034-LA1054
Do not use in combination with LA1034-LA1054 profiles

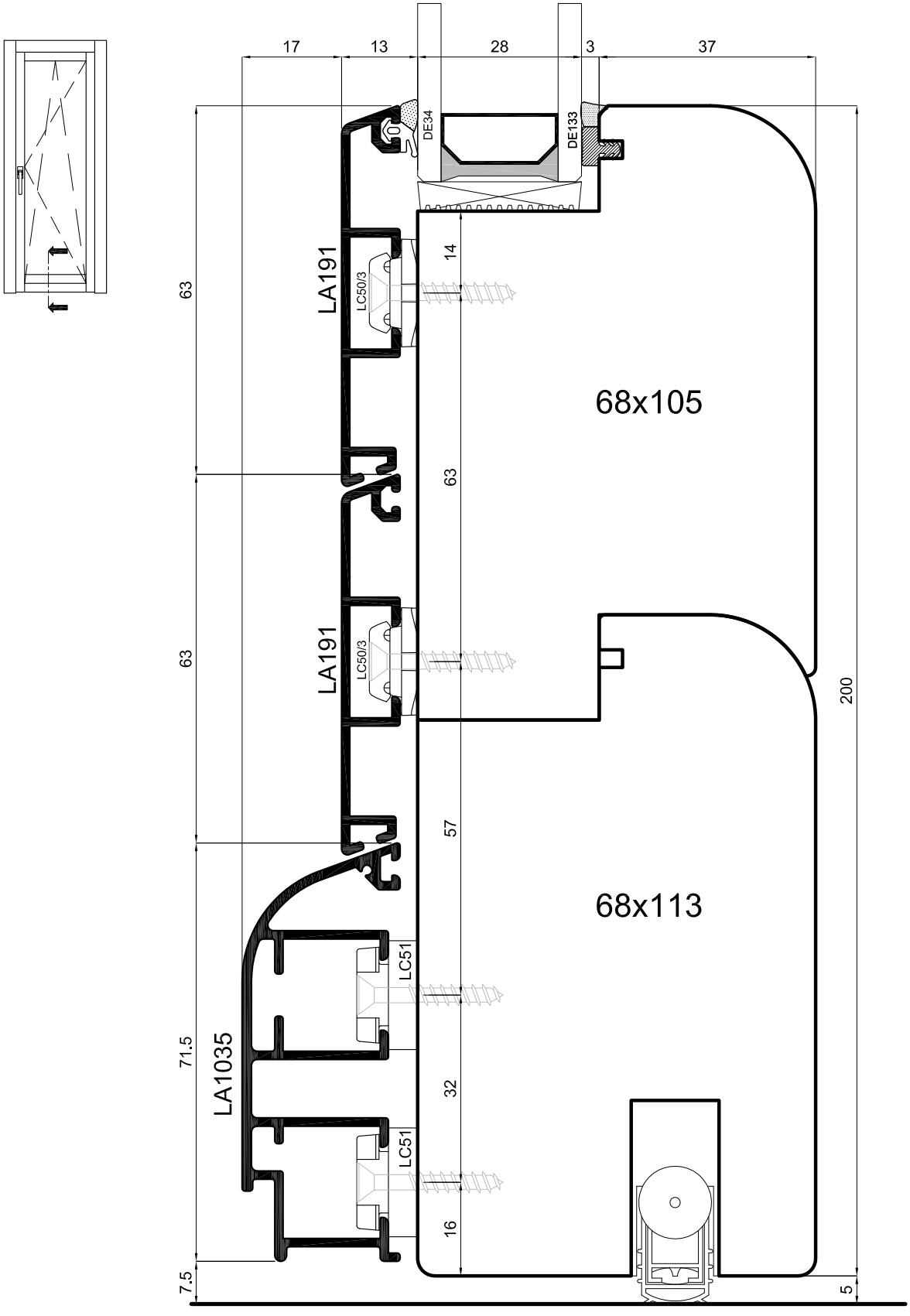


Bold-Line

uniform

Scala 1:1

Ⓘ Sezione orizzontale montante laterale portabalcone con maniglia passante
Ⓓ Horizontalschnitt seitlich für von aussen sperrbare Balkonttür mit Schloss
Ⓔ Sección horizontal de montante lateral de puerta ventana con manija pasante
Ⓕ Coupe horizontale montants latéraux porte-balcon avec poignée à l'extérieur
Ⓤⓚ Horizontal section of the lateral jambs of balcony door with passing-by handle

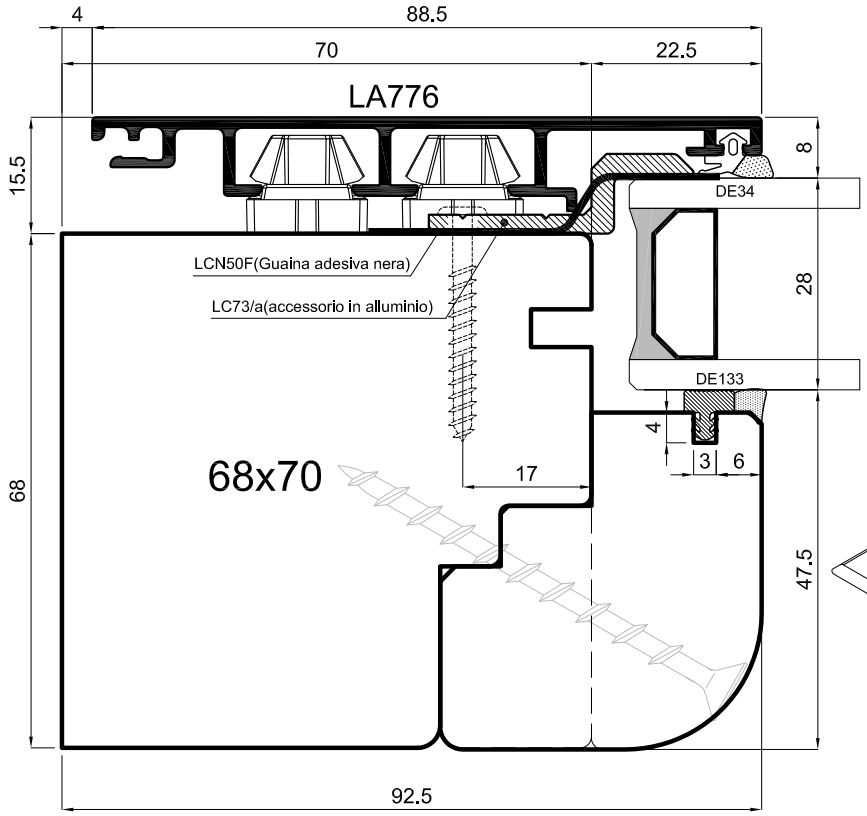


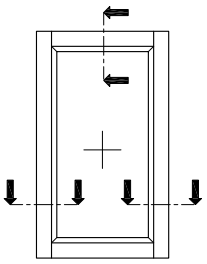
AVVERTENZE: Soluzione rappresentativa e non conforme per la normale permeabilità all'aria,acqua e vento.

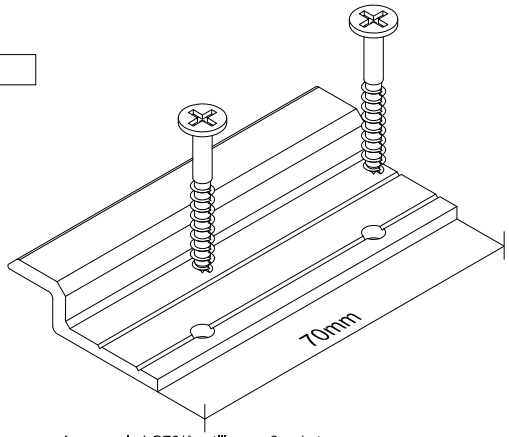
WARNINGS: Solution not conforming to the normal air, water and wind permeability.

Ⓘ Sezione verticale traverso inferiore portabalcone con parafreddo
Ⓓ Vertikalschnitt Balkontür quer unten mit Kälteschutz
Ⓔ Sección vertical travesaño inferior puertaventana con parafrío
Ⓕ Section verticale traverse inférieure porte-balcon avec clonette
Ⓤⓚ Vertical section of the balcony door's lower ledger with cold-defender

Soluzione per il montaggio del vetro in officina

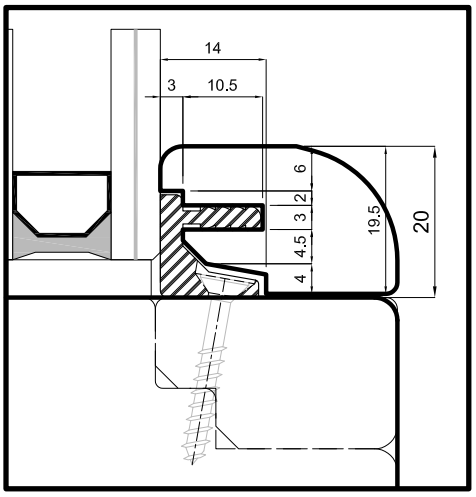


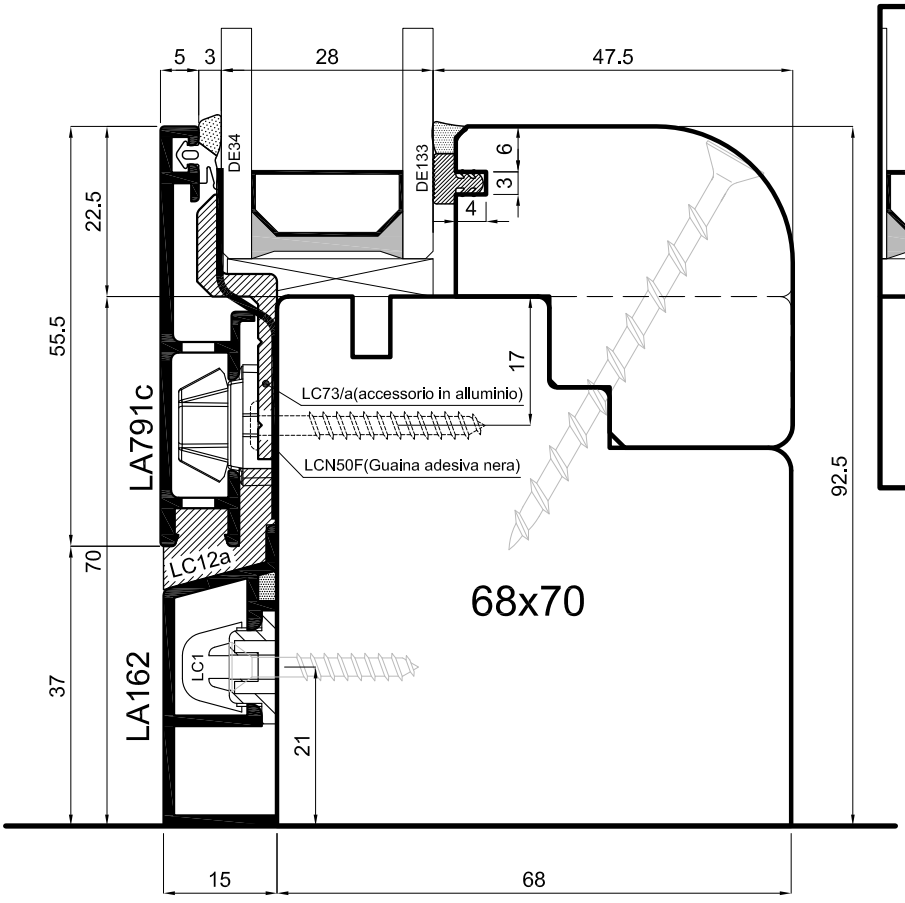


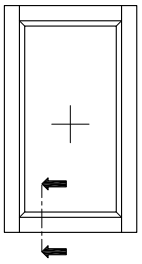


Accessorio LC73/A: utilizzare 3 pz/mt
3 pieces every meter

Variante con clip fermavetro







Bold-Line

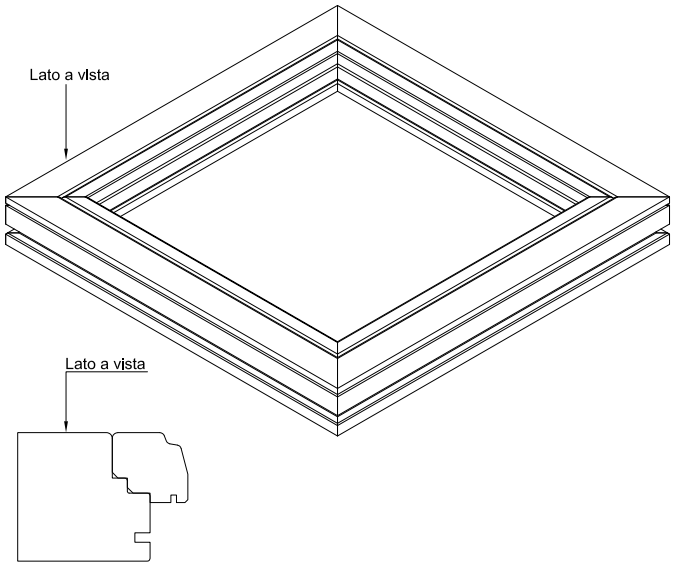
uniform

Scala 1:1

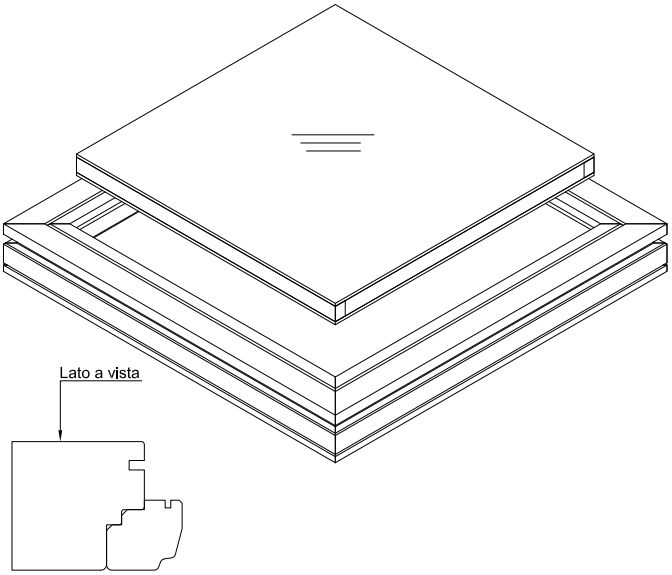
Ⓘ Sezione verticale finestra con vetro fisso
Ⓓ Vertikalschnitt Fenster mit Fixverglasung
Ⓔ Sección vertical ventana con cristal fijo
Ⓕ Coupe verticale fenêtre avec vitre fixe
Ⓤⓚ Vertical section of the window's lower ledger with fixed glass

Istruzioni per il montaggio del vetro in officina

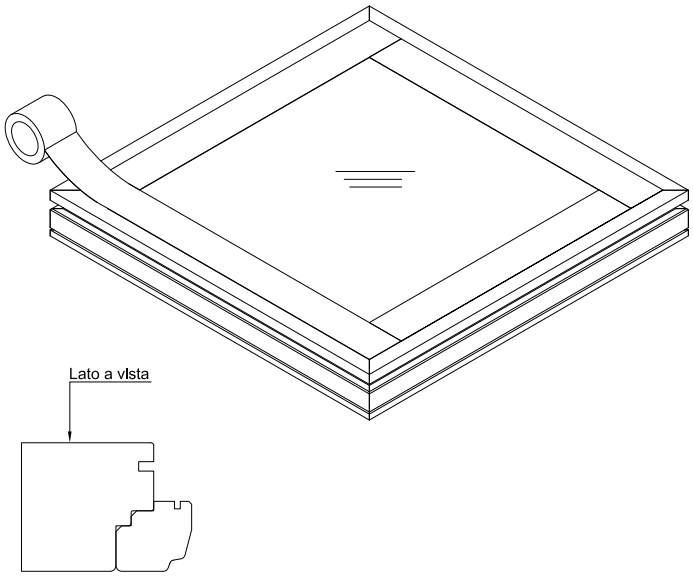
1) Montaggio del fermavetro in legno sul fisso



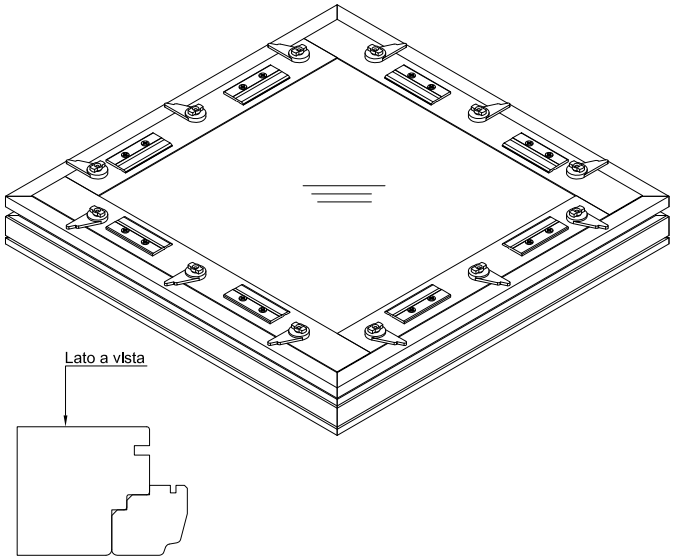
2) Ribaltare il telaio
Montaggio del vetro



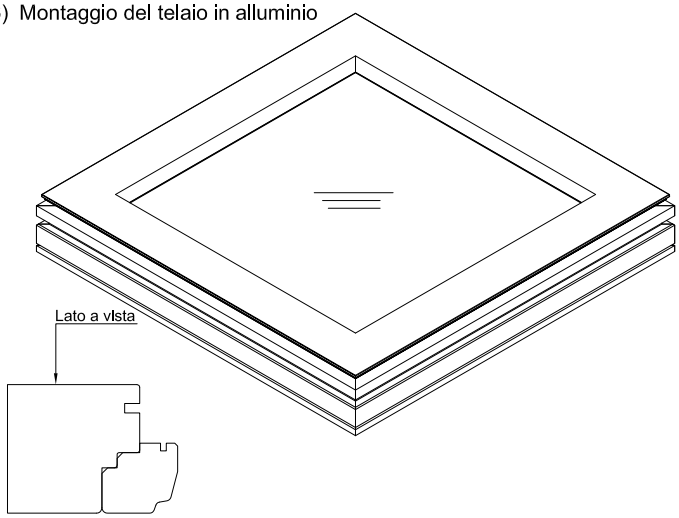
4) Montaggio del nastro adesivo LCN50F sul perimetro del telaio



5) Montaggio delle clips(passo 200mm) e dei fermi di sicurezza LC73/A (3 Pz./mt)



6) Montaggio del telaio in alluminio



Instructions for proper factory-glazing:

1)apply the glassbead profile on the frame of the fixed light

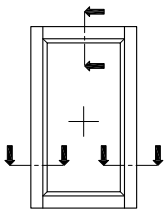
2)overturn the frame and glaze the frame

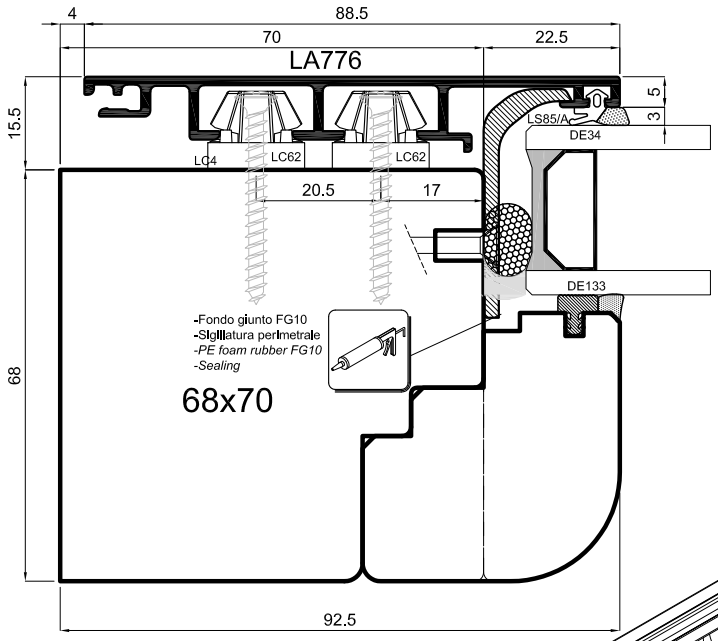
3)apply LCN50F adhesive tape on the whole perimeter of the frame

4)screw the clips (200mm distance between one and the other) and screw the LC73/A security blocks as well (3 pcs/mt)

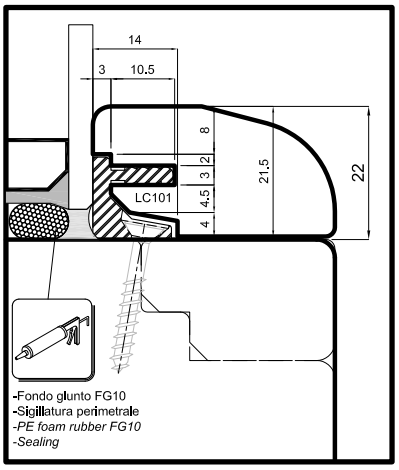
5)clip the alu frame

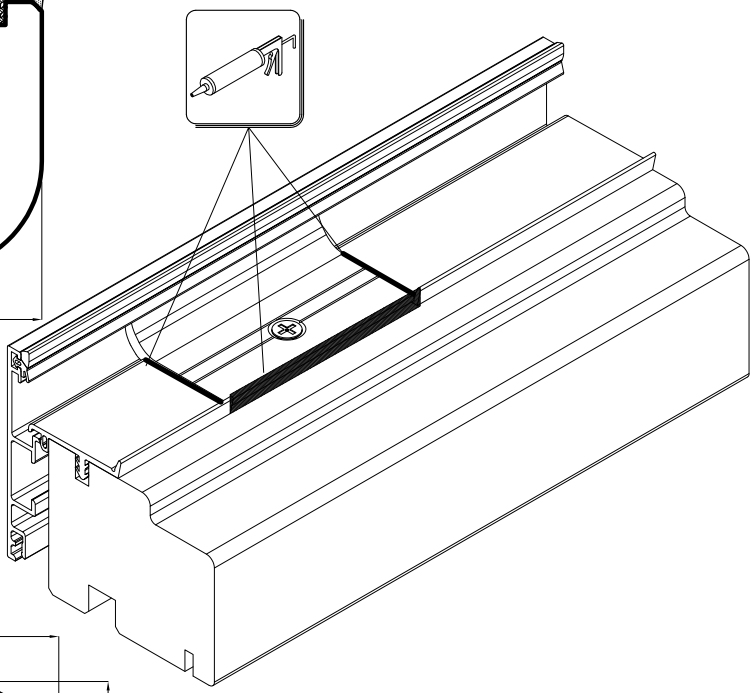
Soluzione per il montaggio del vetro in cantiere

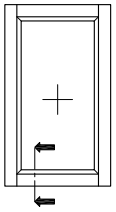


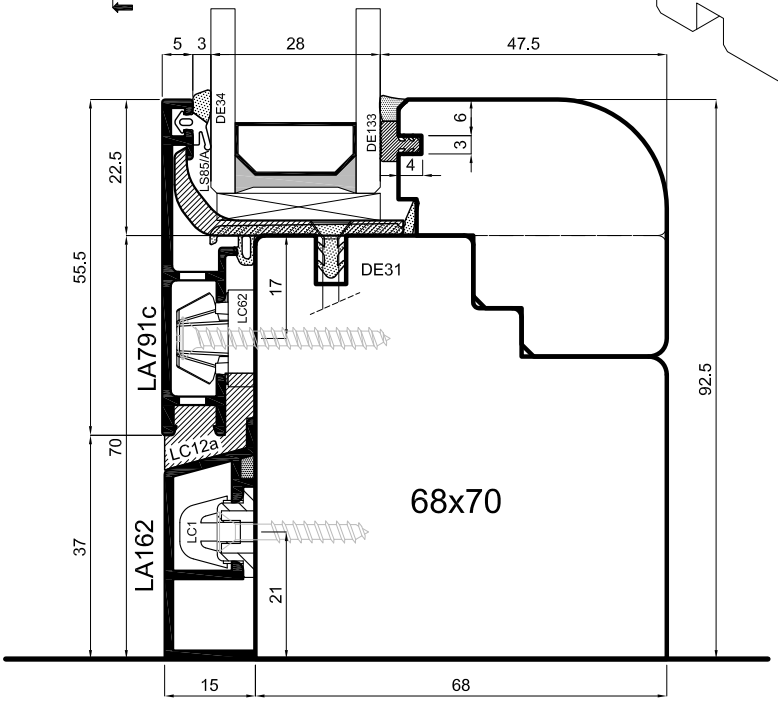


Variante con clip fermavetro









Bold-Line

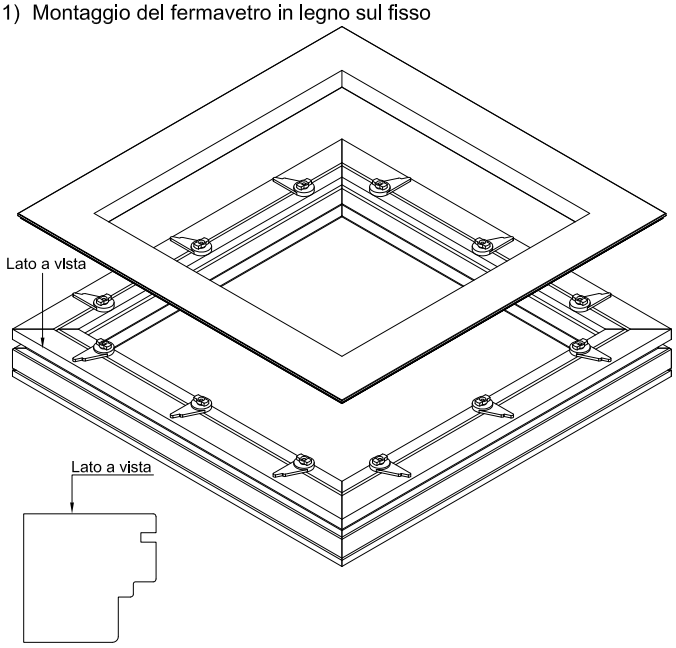
uniform

Scala 0.8:1

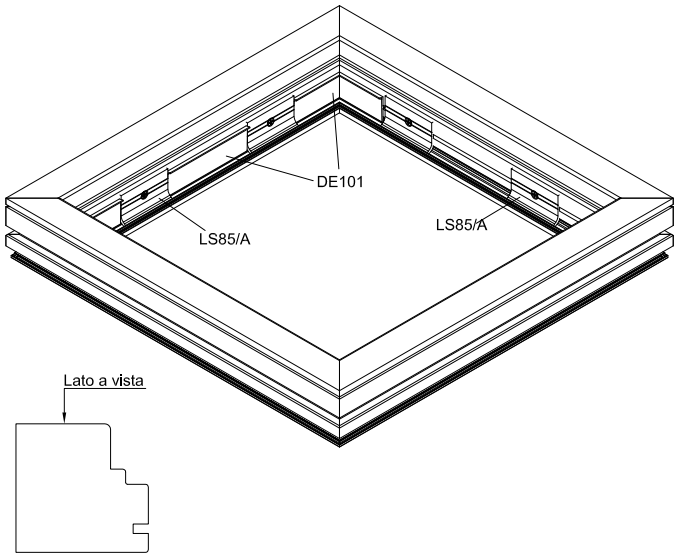
Ⓘ Sezione verticale finestra con vetro fisso
Ⓓ Vertikalschnitt Fenster mit Fixverglasung
Ⓔ Sección vertical ventana con cristal fijo
Ⓕ Coupe verticale fenêtre avec vitre fixe
Ⓤⓚ Vertical section of the window's lower ledger with fixed glass

Istruzioni per il montaggio del vetro in cantiere

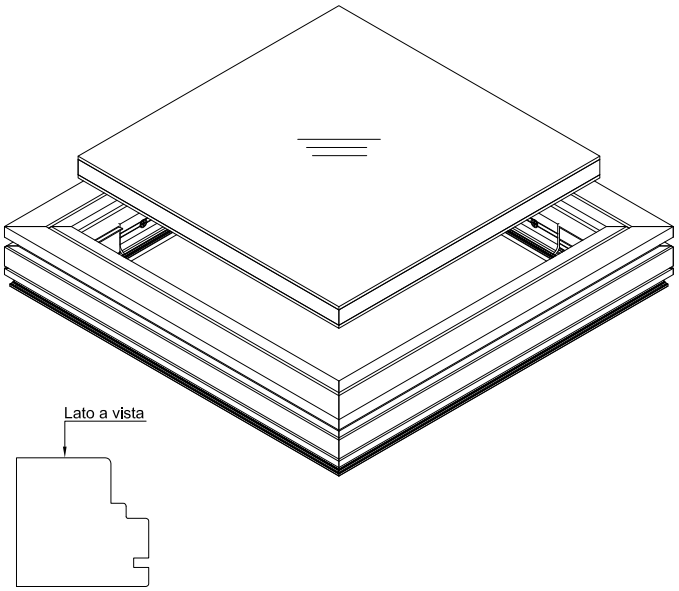
1) Montaggio del fermavetro in legno sul fisso



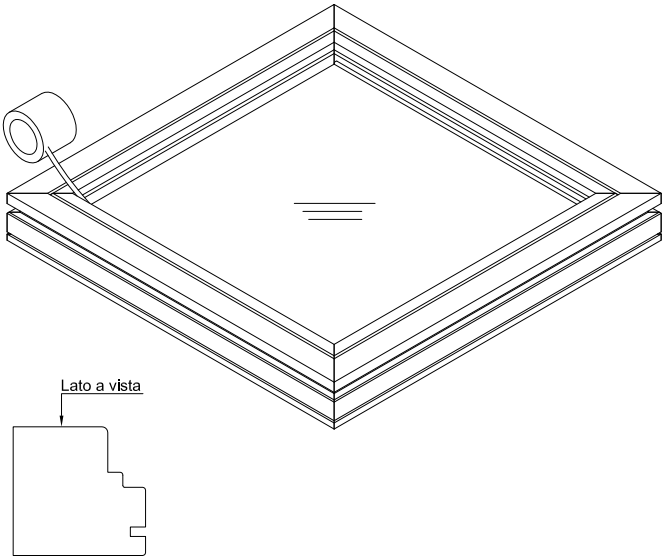
2) Ribaltare il telaio
Montaggio degli accessori LS85/A(3 pz./mt) e della guarnizione DE101 sul traverso inferiore e risvoltare 10cm sui 2 montanti



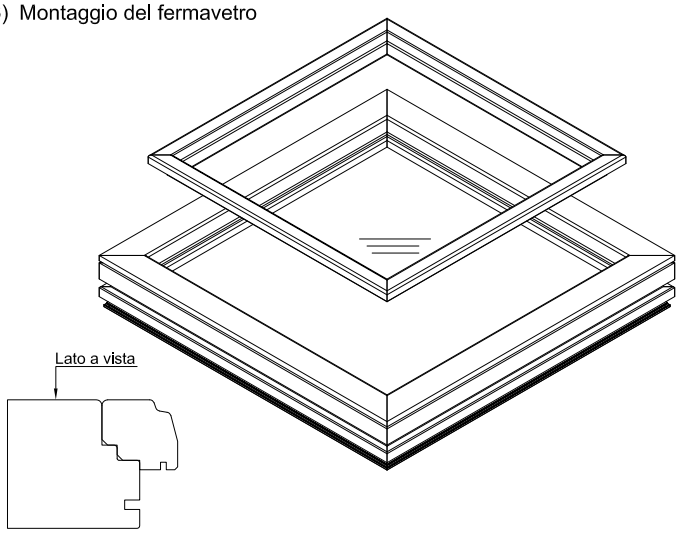
3) Montaggio del vetro e spessoramento



4) Montaggio del fondogiunto FG10 sui 3 lati(non sul traverso inferiore) e sigillatura perimetrale

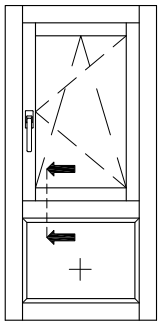


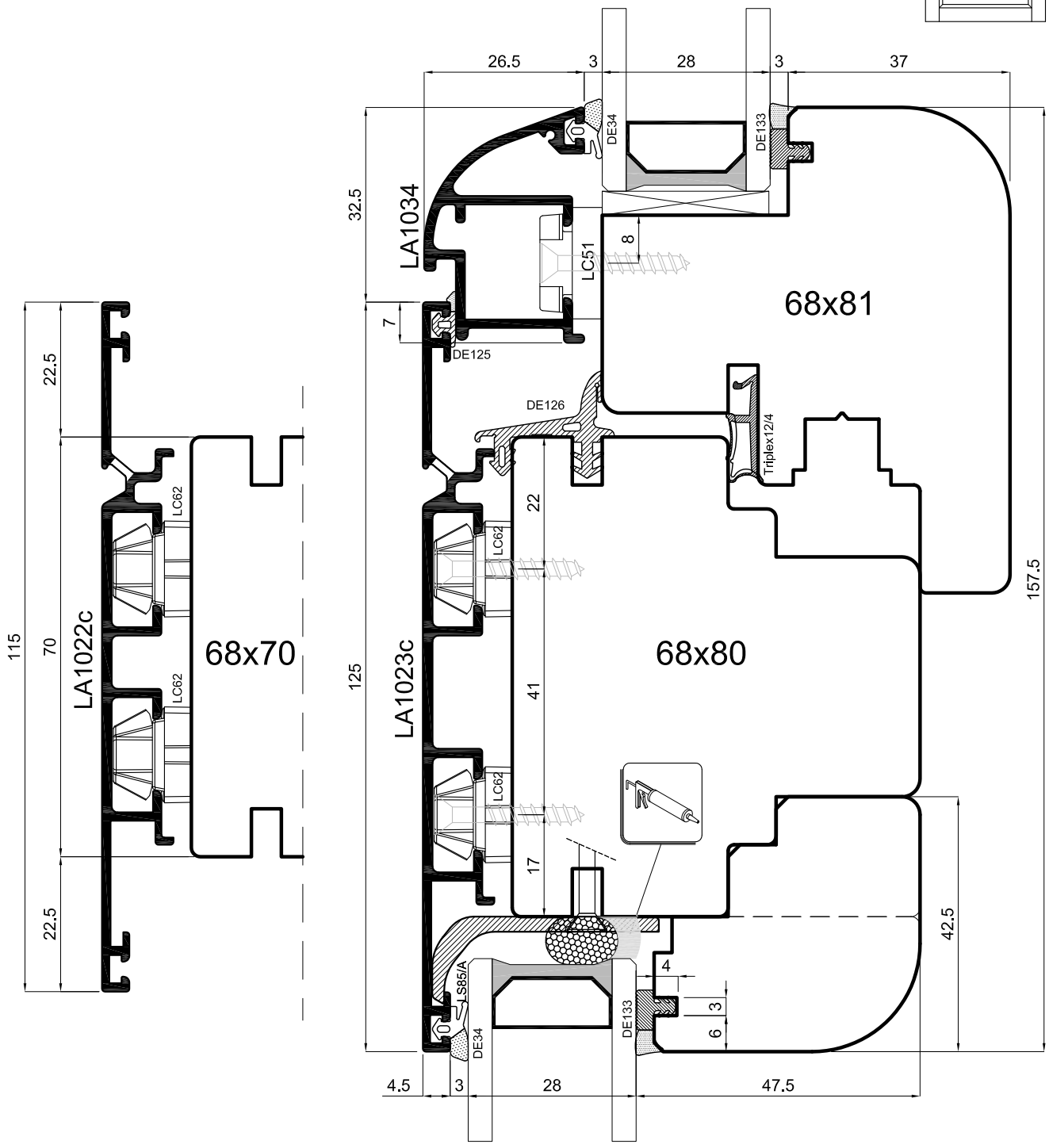
6) Montaggio del fermavetro



Instructions for glazing at the construction site:
1)clip the alu frame at the factory
2)overturn the frame
fit the DE31 gasket on the sill and on the lateral sides for 10cm
3)glaze the frame using dowels
4)fill the gap between glass and wood with FG08 backer rod on the 3 sides (not on the sill) and perform perimeter sealing
5)fix the glassbead profile

Ⓘ Istruzioni per il montaggio del vetro in cantiere
Ⓓ Montageanleitung für verglasung auf baustelle
Ⓔ Istrucciones para el montaje del vidrio en la obra
Ⓕ Instructions pour le montage du vitrage en chantier
Ⓤⓚ Instructions for assembly the glass on job site



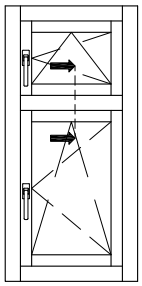


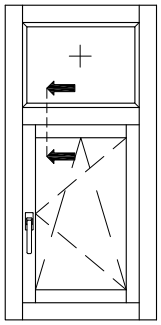
Bold-Line

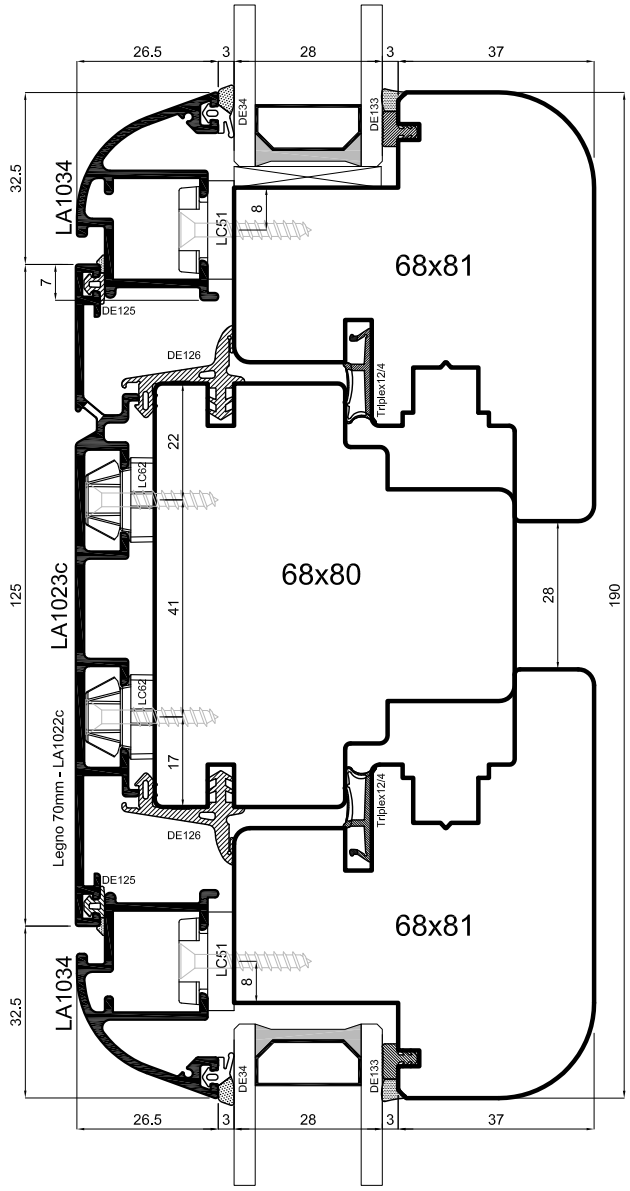
uniform

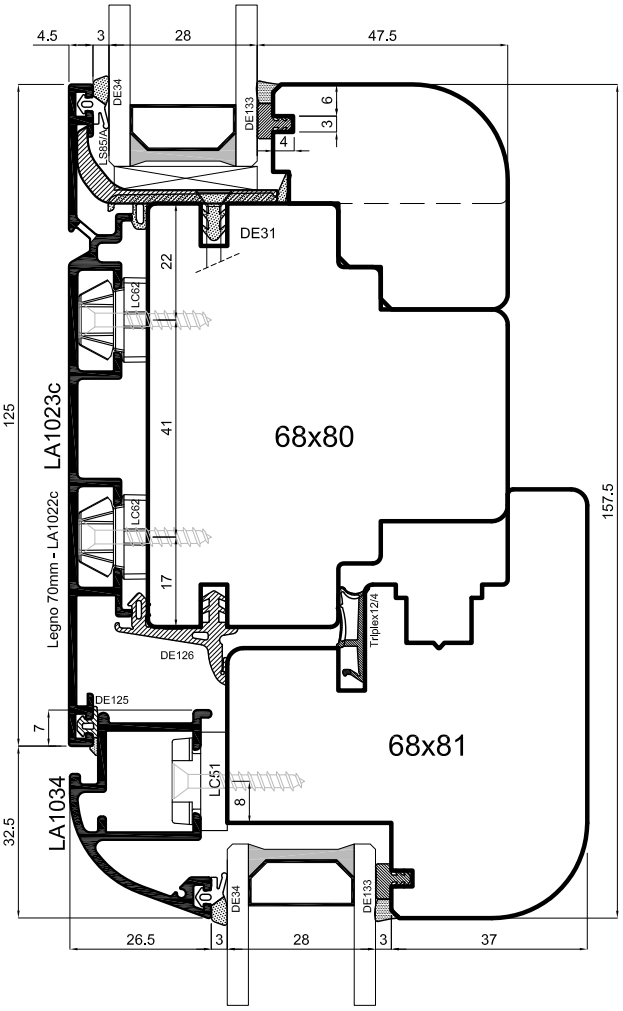
Scala 1:1

Ⓘ Sezione verticale traverso intermedio telaio
Ⓓ Vertikalschnitt Kämpfer
Ⓔ Sección vertical travesaño intermedio del marco
Ⓕ Coupe verticale des traverse intermédiaire du dormant
Ⓤⓚ Vertical section of the frame's itermediate transom

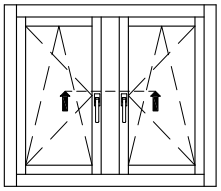


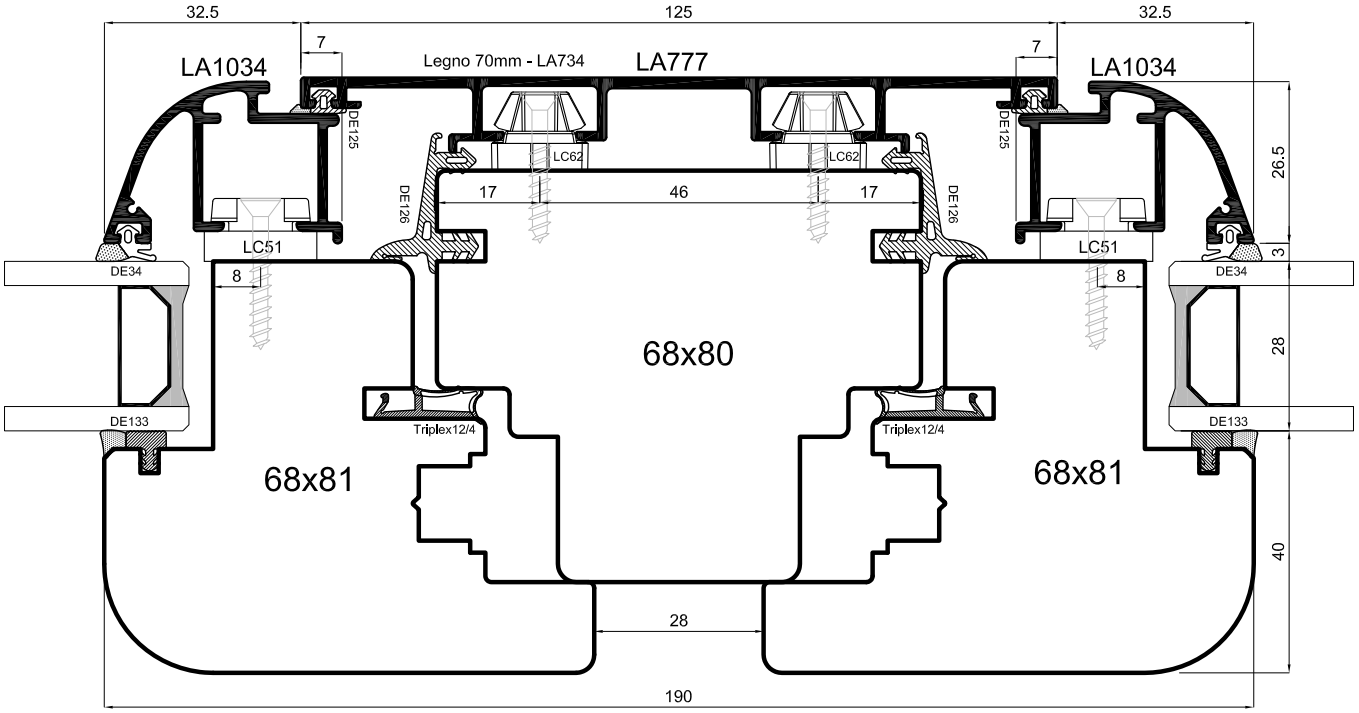


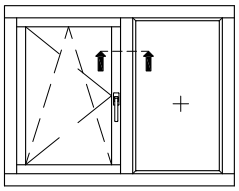


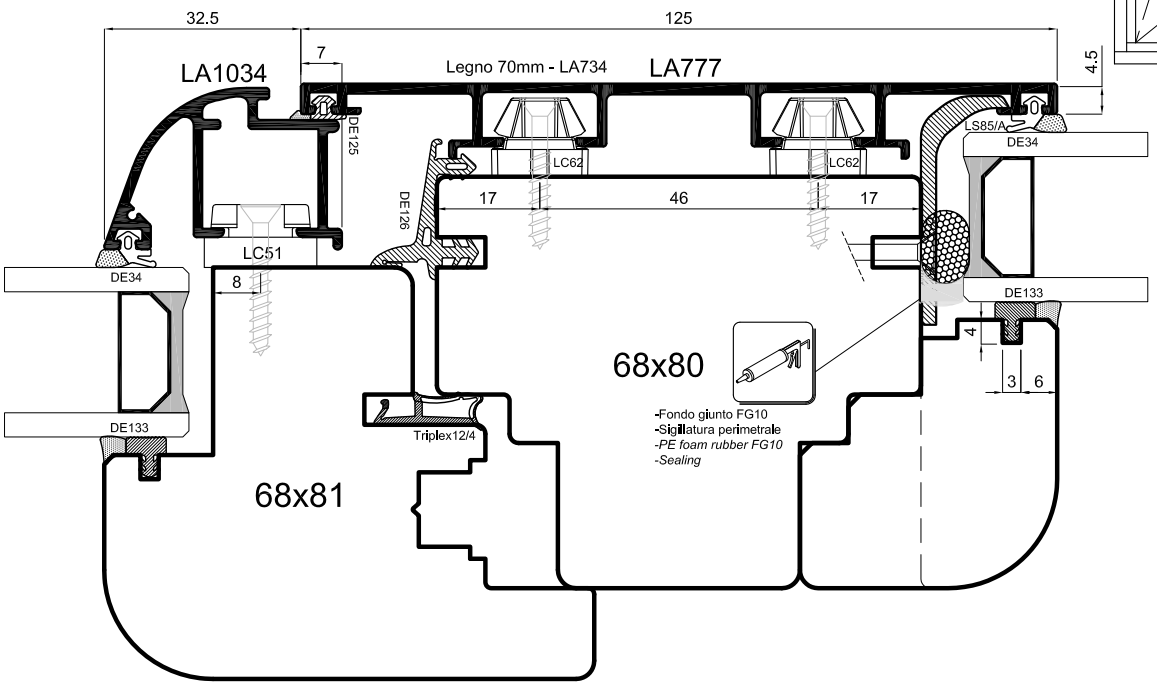


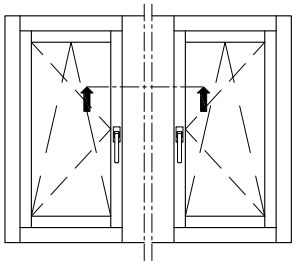
(I) Sezione verticale traversi intermedi telaio
(D) Vertikalschnitt Kämpfer
(E) Sección vertical travesaños intermedios del marco
(F) Coupe verticale des traverses intermédiaires du dormant
(UK) Vertical section of the frame's itermediate transoms

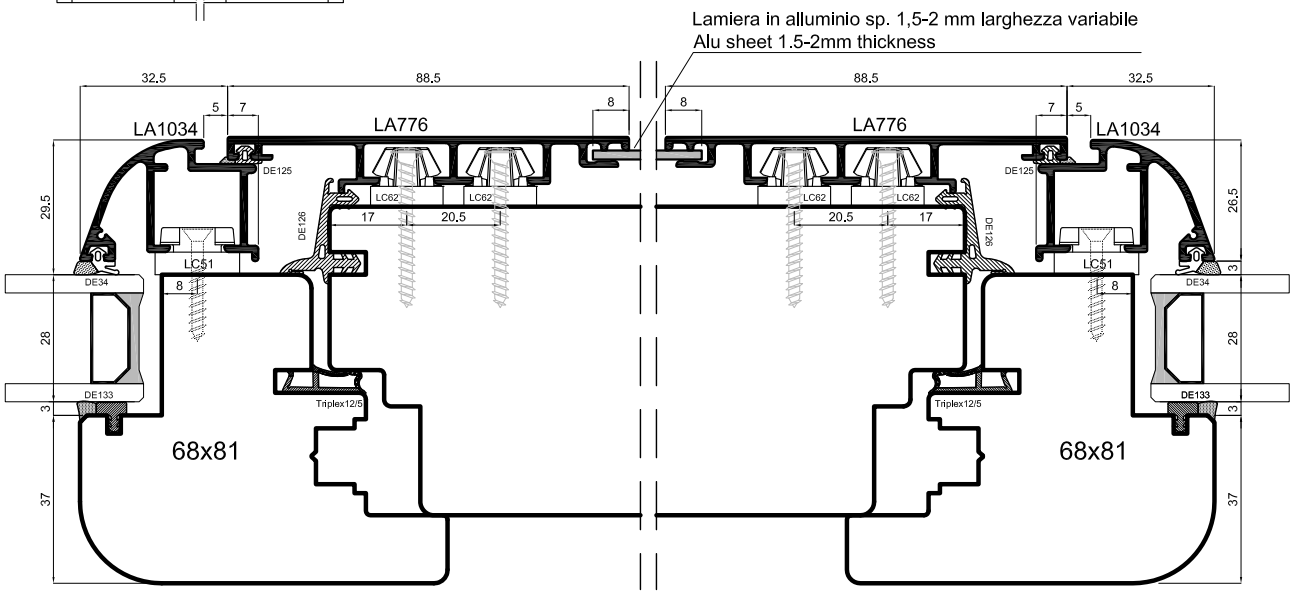


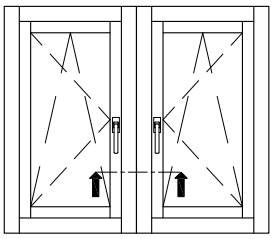

32.5
125
32.5
7
7
LA1034
Legno 70mm - LA734
LA777
LA1034
DE125
DE125
LC62
LC62
DE126
DE126
17
46
17
26.5
LC51
LC51
3
DE34
8
8
DE34
68x80
28
DE133
DE133
Triplex12/4
Triplex12/4
68x81
68x81
40
28
190

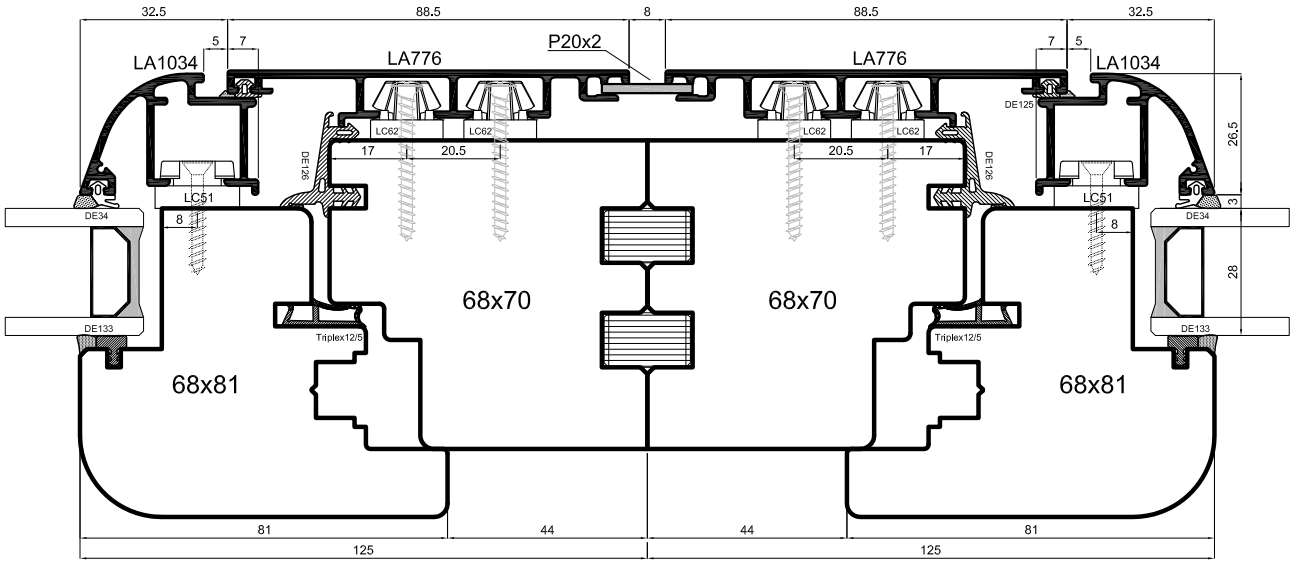


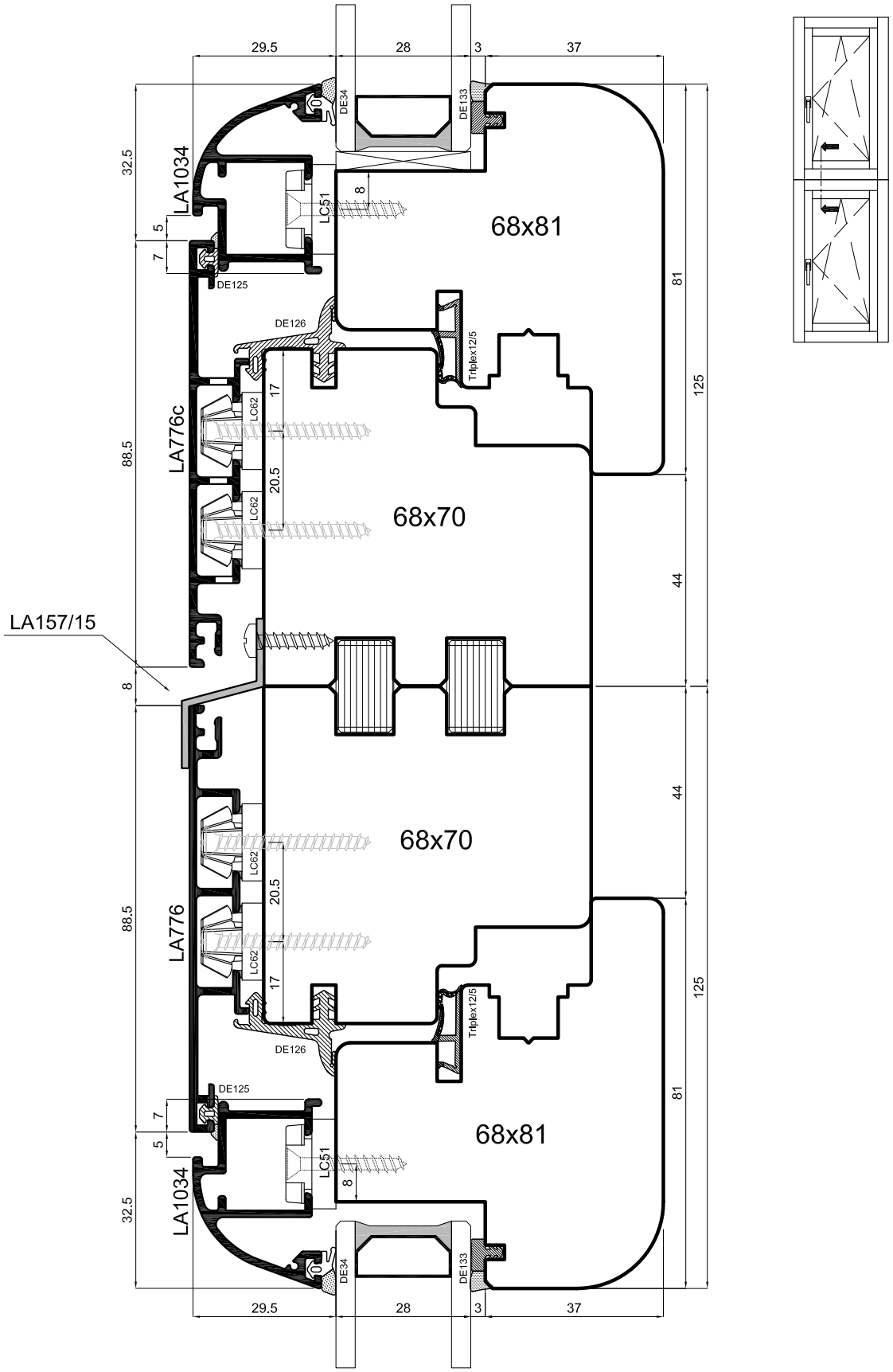

32.5
125
7
LA1034
Legno 70mm - LA734
LA777
4.5
LS85/A
DE125
DE34
LC62
LC62
DE126
17
46
17
LC51
DE34
8
DE133
68x80
4
3
6
DE133
Triplex12/4
-Fondo giunto FG10
-Sigillatura perimetrale
-PE foam rubber FG10
-Sealing
68x81




Lamiera in alluminio sp. 1,5-2 mm larghezza variabile
Alu sheet 1.5-2mm thickness
32.5
88.5
88.5
32.5
LA1034
LA776
LA776
LA1034
DE125
LC62
17
20.5
DE126
LC51
DE34
DE133
Triplex12/5
68x81
68x81
29.5
28
3
37
26.5




32.5
88.5
8
88.5
32.5
P20x2
LA1034
LA776
LA776
LA1034
DE125
LC62
17
20.5
DE126
LC51
DE34
DE133
Triplex12/5
68x70
68x70
68x81
68x81
81
44
44
81
125
125
28
26.5

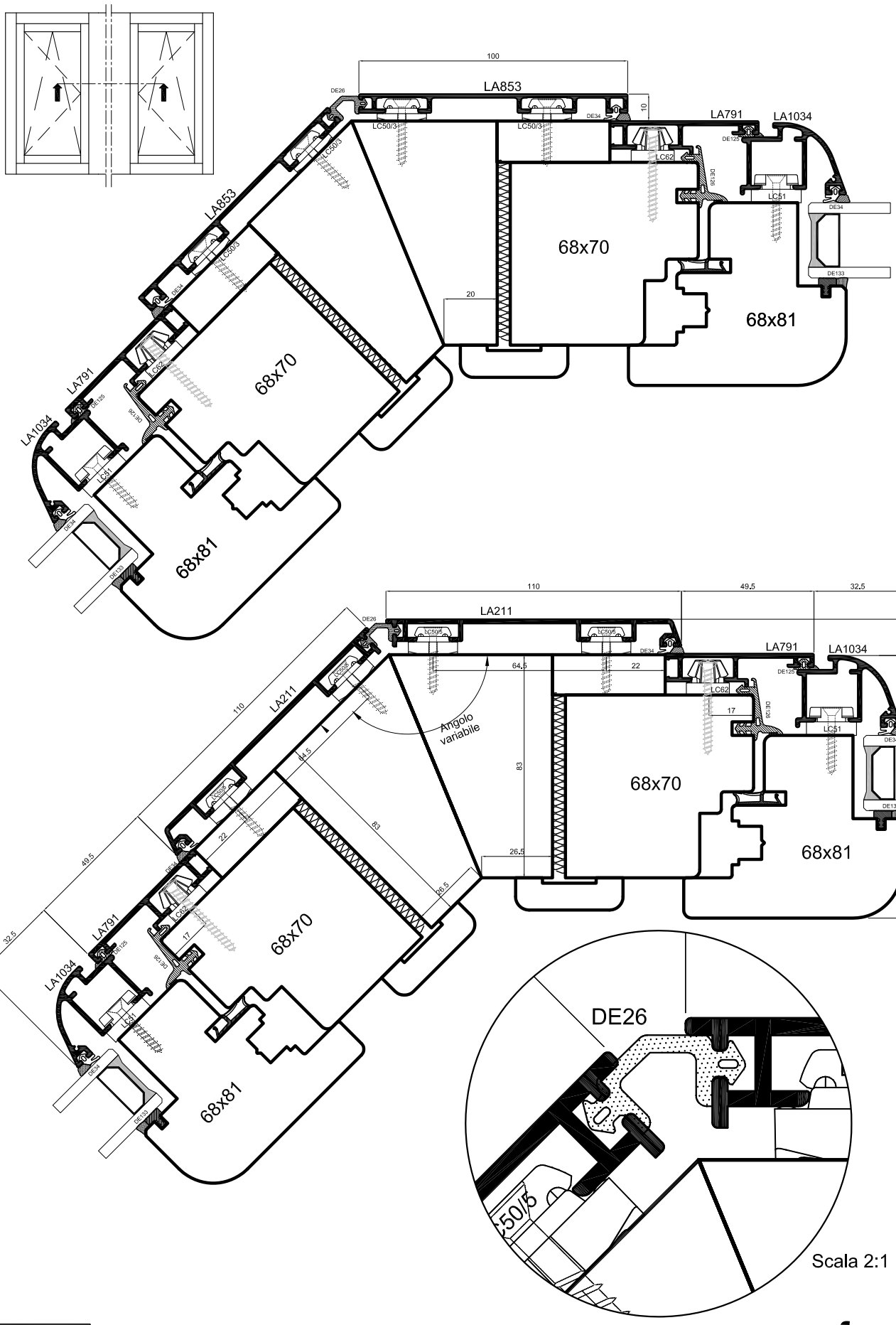


Bold-Line

uniform

Scala 0.8:1

Ⓘ Sezione verticale finestre accoppiate con telaio larghezza 70 mm.
Ⓓ Vertikalschnitt gekoppelte Fenster mit Rahmenbreite 70mm
Ⓔ Sección vertical de ventanas acopladas con anchura del marco de madera de 70 mm
Ⓕ Coupe verticale fenêtres accouplement de dormants largeur 70 mm
Ⓤⓚ Vertical section of the connected windows

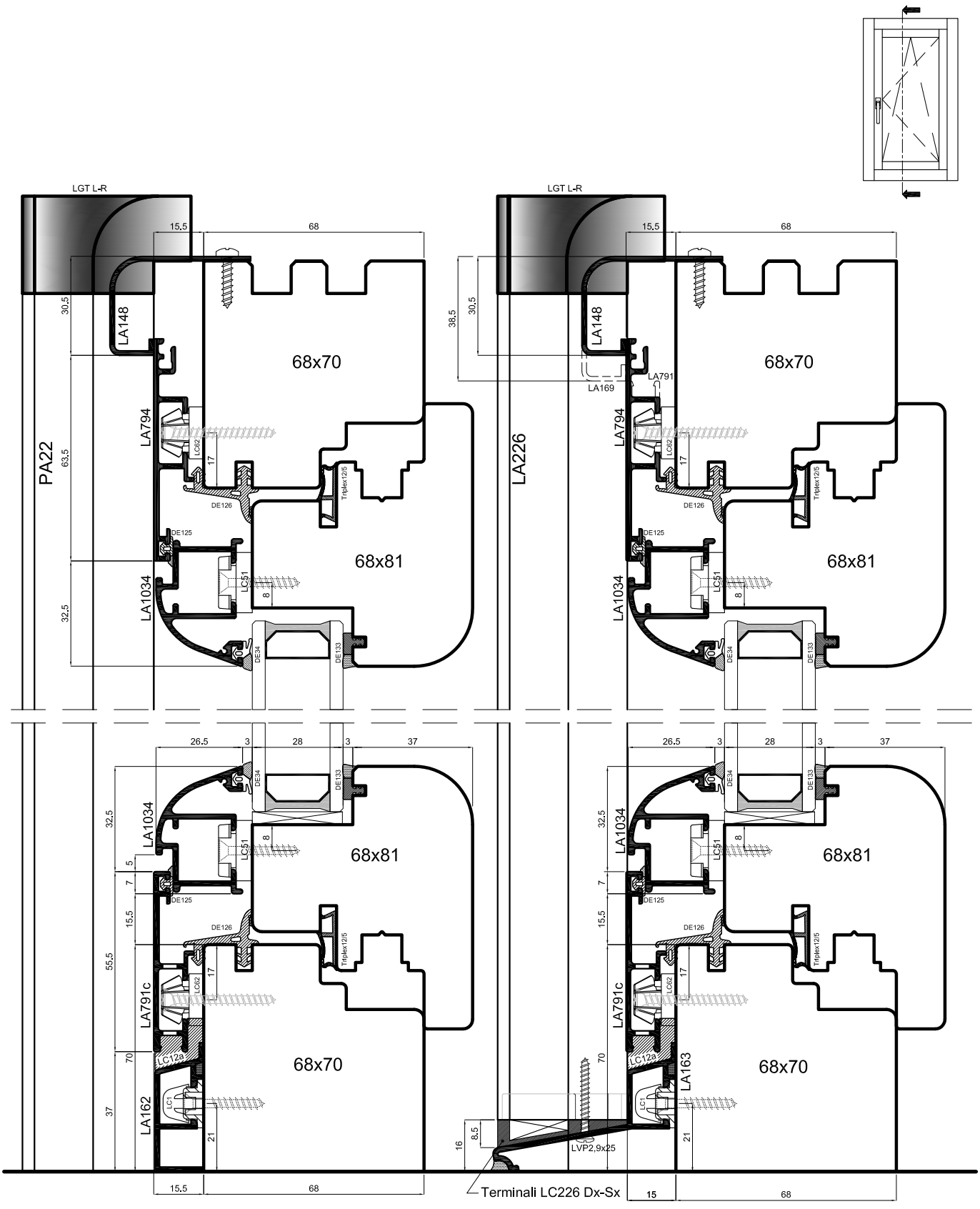


Bold-Line

uniform

Scala 1:2

Ⓘ Sezione orizzontale finestre accoppiate con inclinazione variabile
Ⓓ Horizontalschnitt gekoppelte Fenster mit regulierbarer Neigung
Ⓔ Sección horizontal de ventanas acopladas de inclinación variable
Ⓕ Coupe horizontale accouplement de dormants à angle variable
Ⓤⓚ Horizontal section of the connected windows with a variable angle

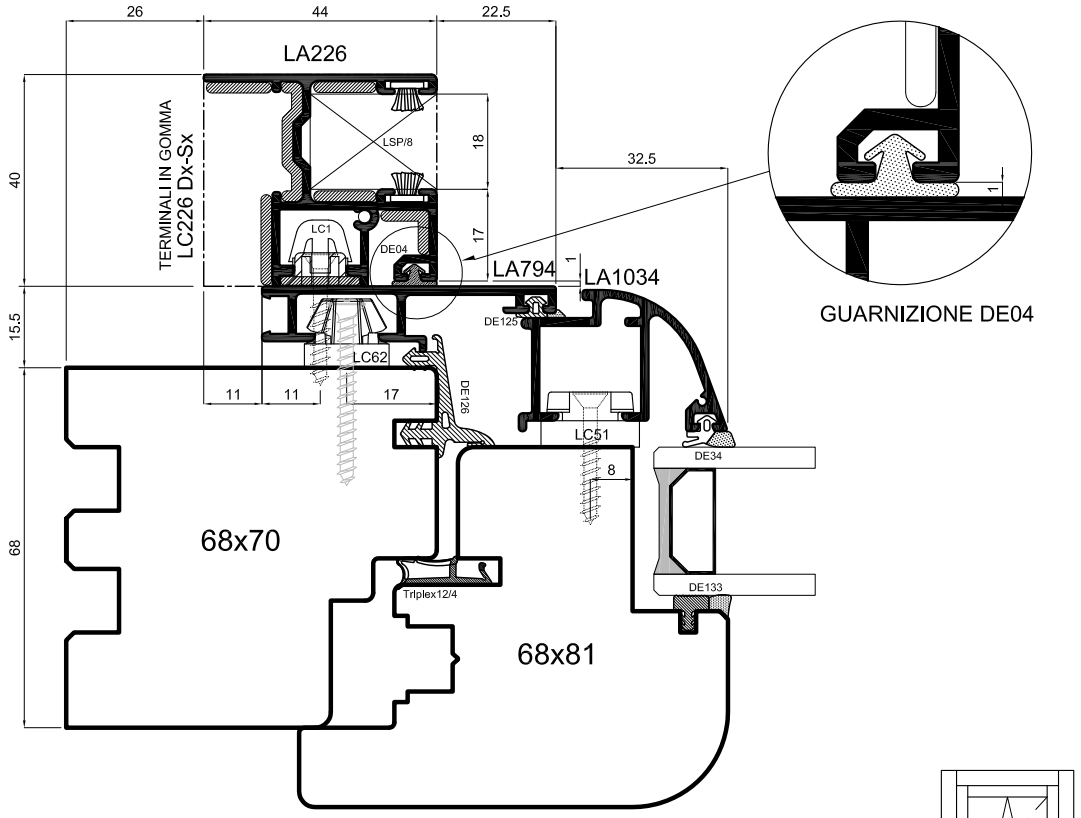


Bold-Line

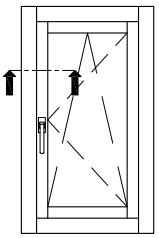
uniform

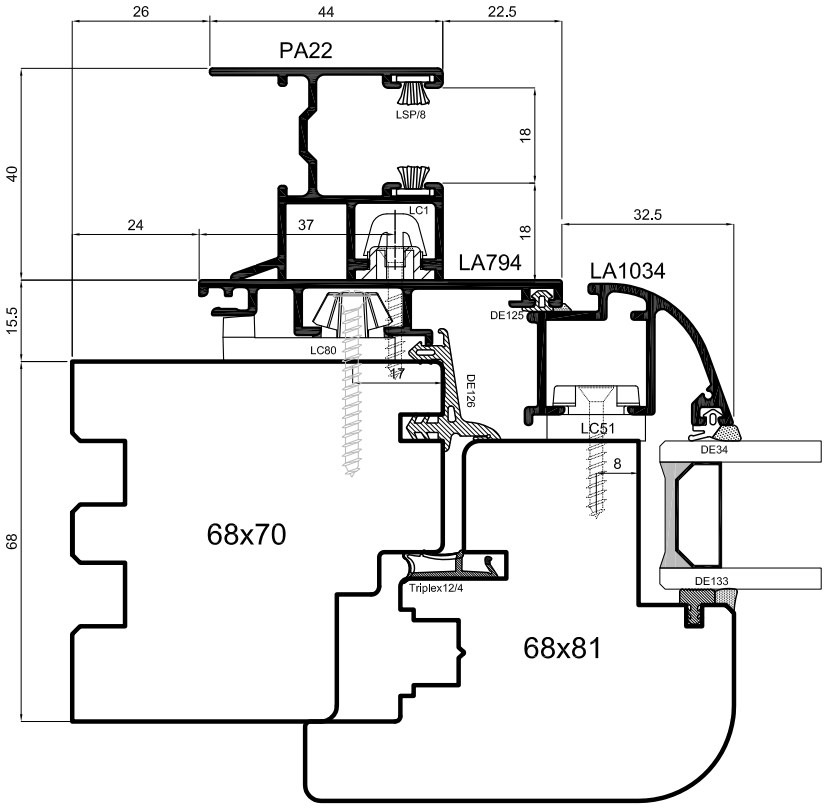
Scala 0.6:1

(I) Sezione verticale con guida avvolgibile PA22 e LA226
(D) Vertikalschnitt mit Rolladenführung PA22 und LA226
(E) Sección vertical con guía de persiana PA22 y LA226
(F) Coupe verticale avec coulisse volet roulant PA22 et LA226
(UK) Vertical section with winding up guide PA22 and LA226

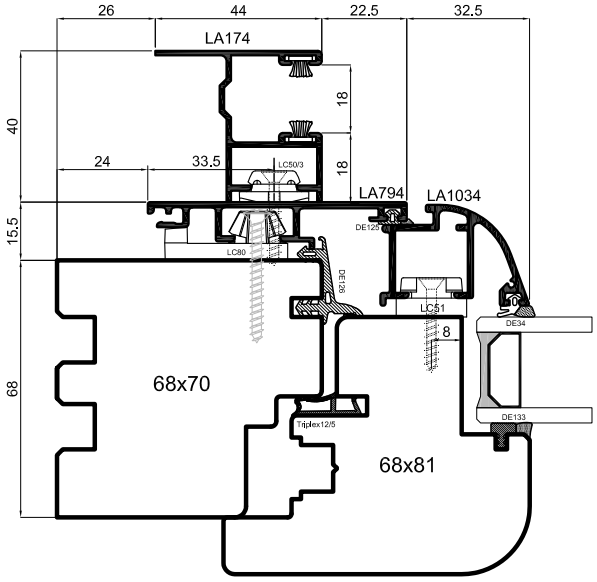


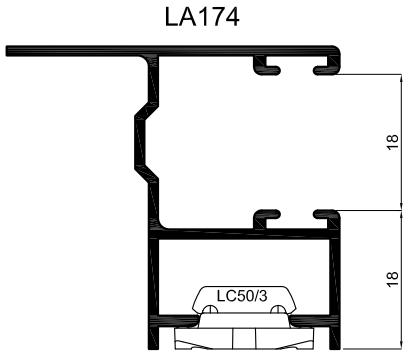
GUARNIZIONE DE04

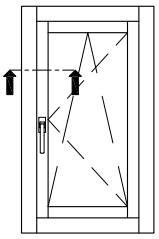


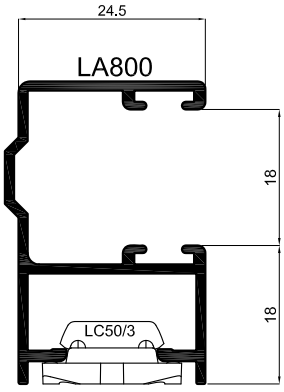


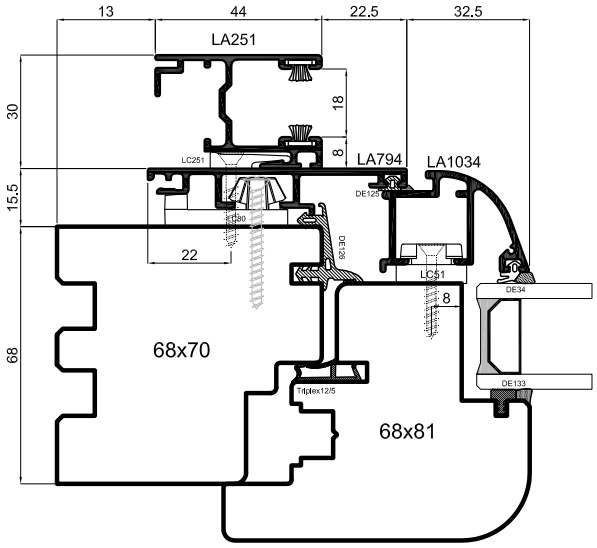
Ⓘ Sezione orizzontale con guida avvolgibile PA22 e LA226
Ⓓ Horizontalschnitt mit Rolladenführung PA22 und LA226
Ⓔ Sección horizontal con guía de persiana PA22 y LA226
Ⓕ Coupe horizontale avec coulisse volet roulant PA22 et LA226
Ⓤ Horizontal section with winding up guides PA22 and LA226

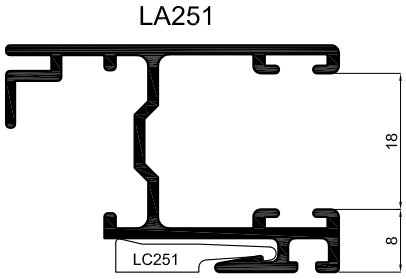


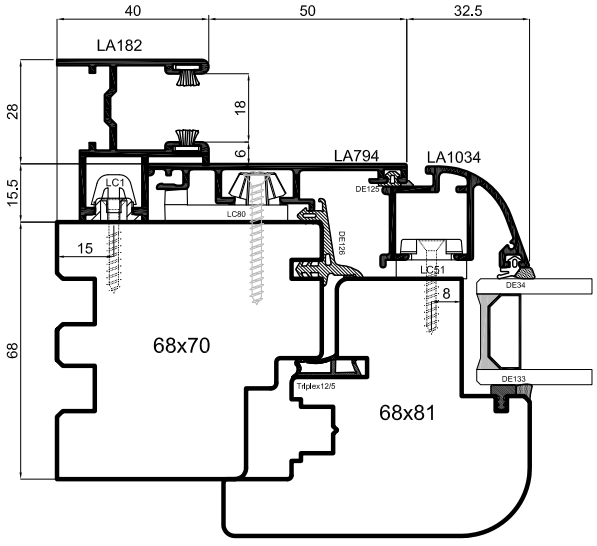


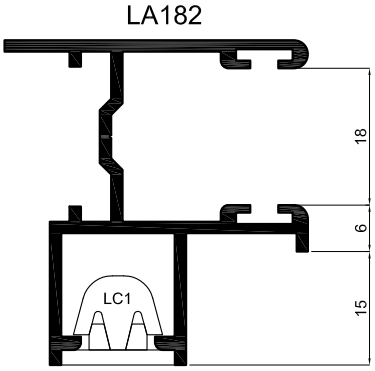










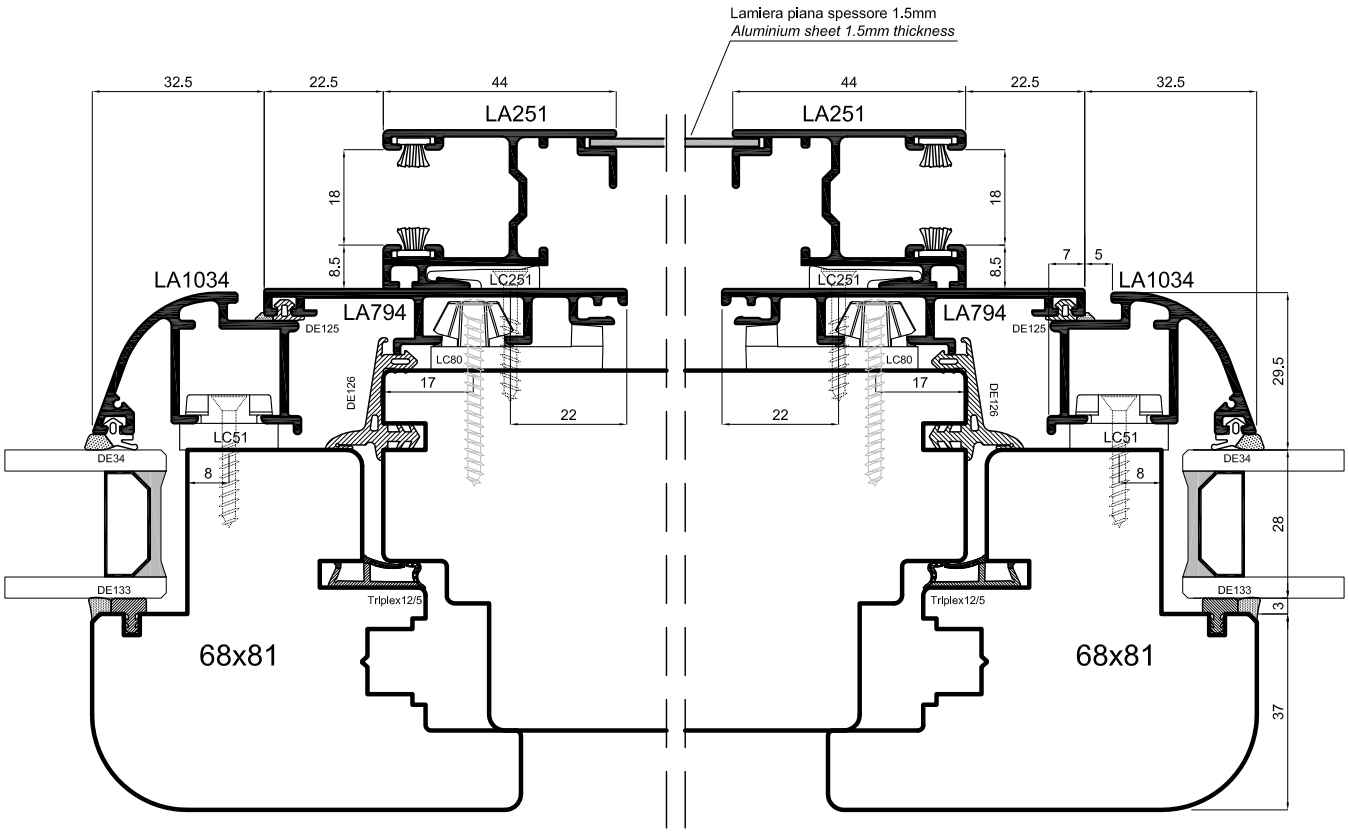


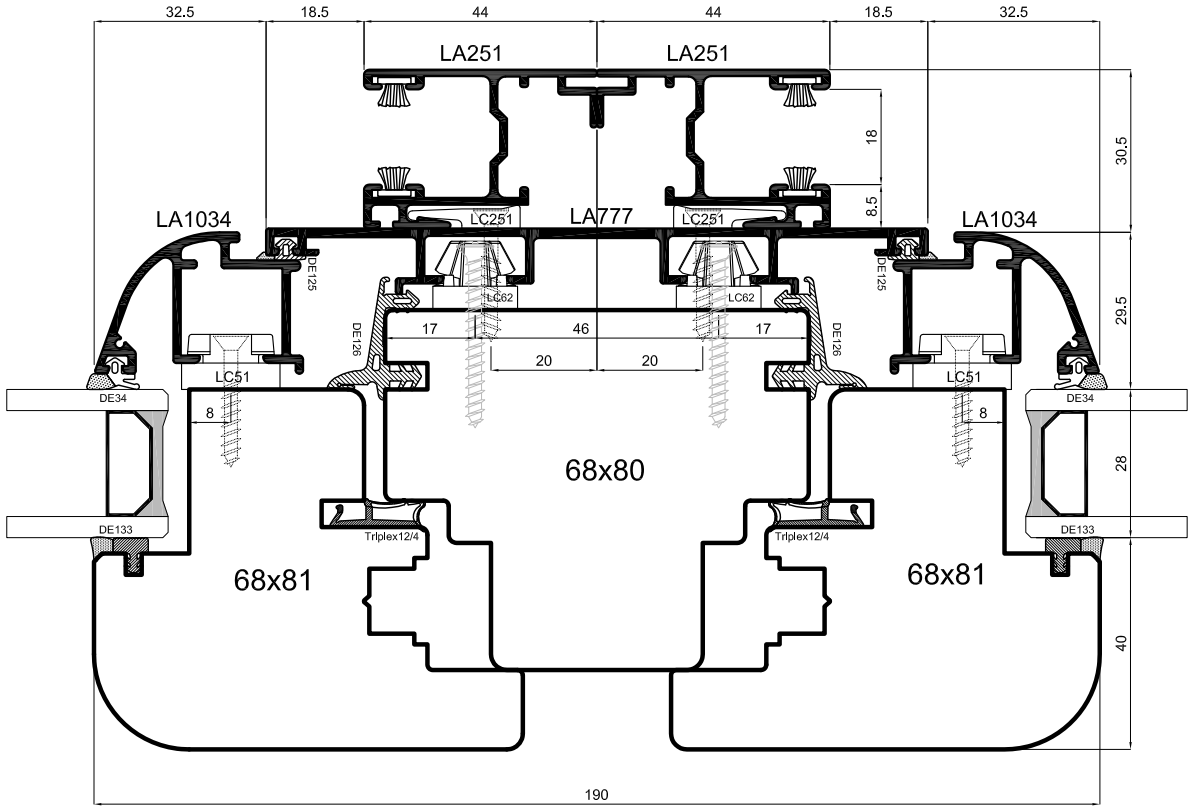
Bold-Line

uniform

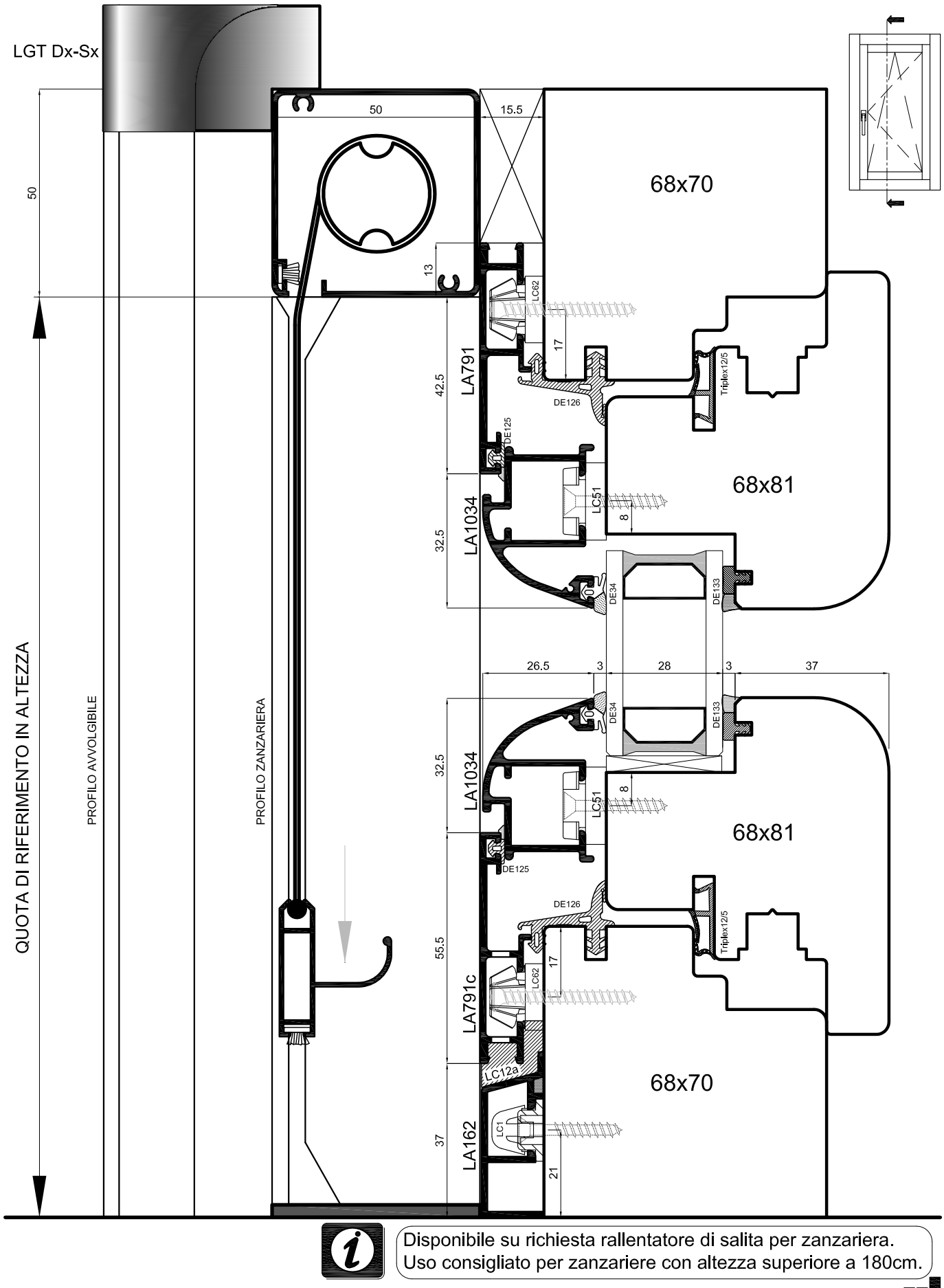
Scala 1:2

Ⓘ Sezione orizzontale con guide avvolgibili LA174-LA251-LA800-LA182
Ⓓ Vertikal- und Horizontalschnitt mit Rolladenführung LA174-LA251-LA800-LA182
Ⓔ Sección horizontal con guías de persiana LA174-LA251-LA800-LA182
Ⓕ Coupe horizontale avec coulisses volest roulants LA174-LA251-LA800-LA182
Ⓤⓚ Horizontal section with winding up guides LA174-LA251-LA800-LA182





Ⓘ Sezione orizzontale finestre accoppiate con LA251
Ⓓ Horizontalschnitt gekoppelte Fenster mit LA251
Ⓔ Sección horizontal de ventanas acopladas
Ⓕ Coupe horizontale accouplement de dormants avec LA251
Ⓤⓚ Horizontal section of the connected windows with LA 251



Disponibile su richiesta rallentatore di salita per zanzariera.
Uso consigliato per zanzariere con altezza superiore a 180cm.

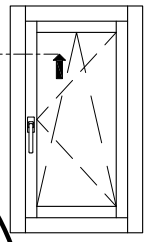
Bold-Line

uniform

Scala 0.8:1

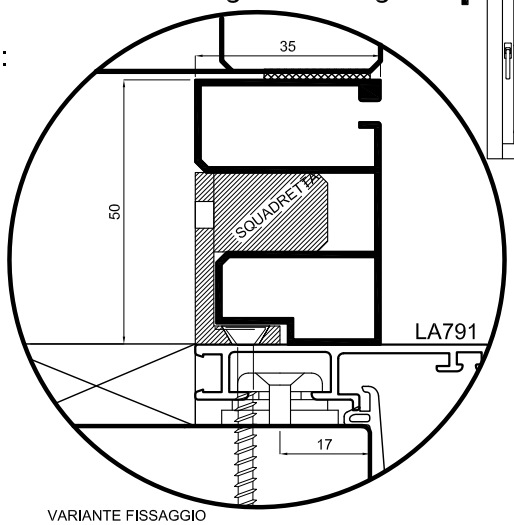
(I) Sezione verticale con zanzariera e guida avvolgibile
(D) Vertikalschnitt mit Fliegengitter und Rolladenführung
(E) Sección vertical ventana con mosquitera y guía de persiana
(F) Coupe verticale avec moustiquaire et coulisses volet roulant
(UK) Vertical section with mosquito-net and winding up guide

Variante senza guida avvolgibile

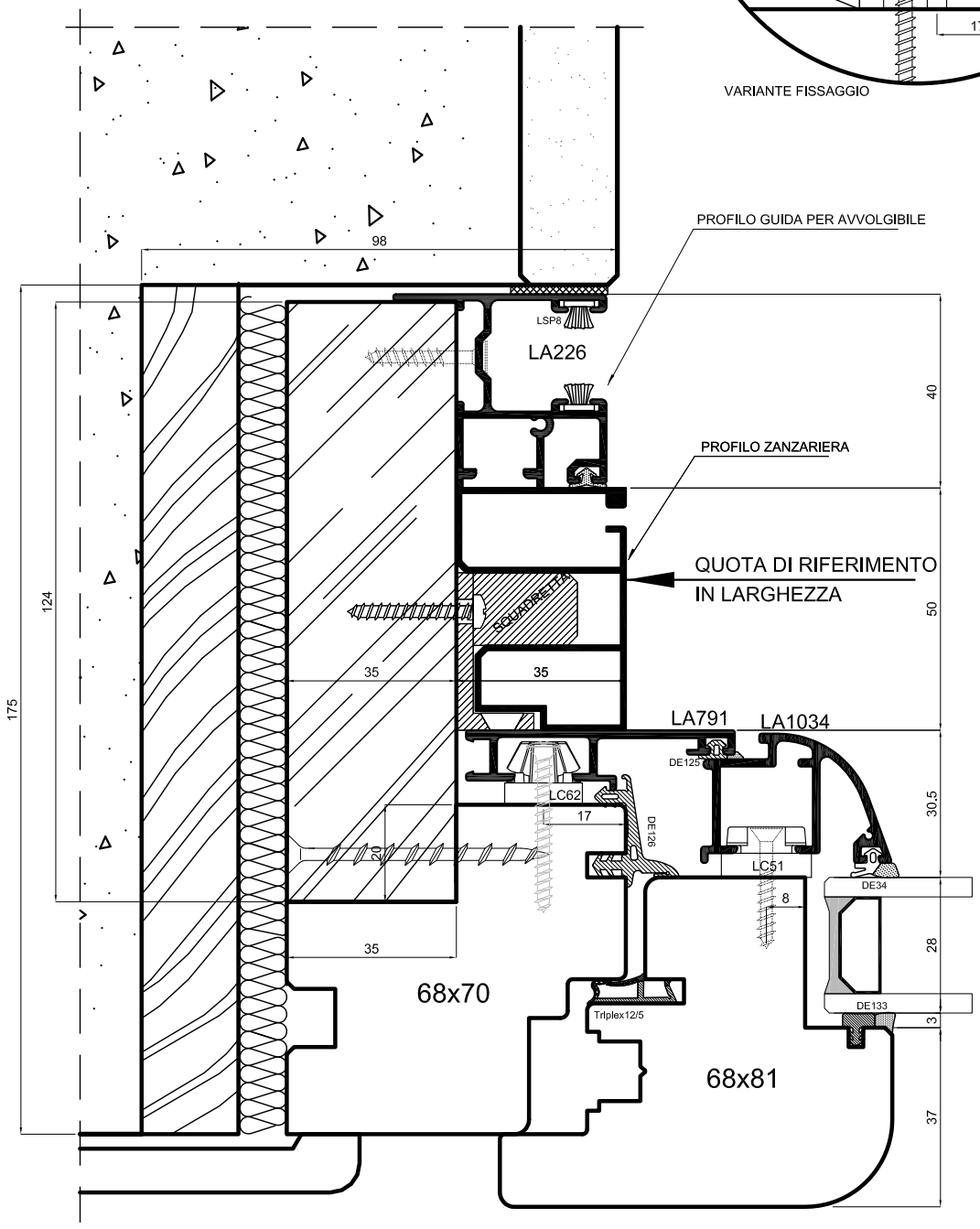


ZANZARIERE - DIMENSIONI MASSIME REALIZZABILI:

L 2000 x H 1600 - Finestra Verticale
L 1600 x H 2400 - Portafinestra Verticale
L 1500 x H 2500 - Scorrimento orizzontale 1 anta
L 2800 x H 2500 - Scorrimento orizzontale 2 ante



VARIANTE FISSAGGIO

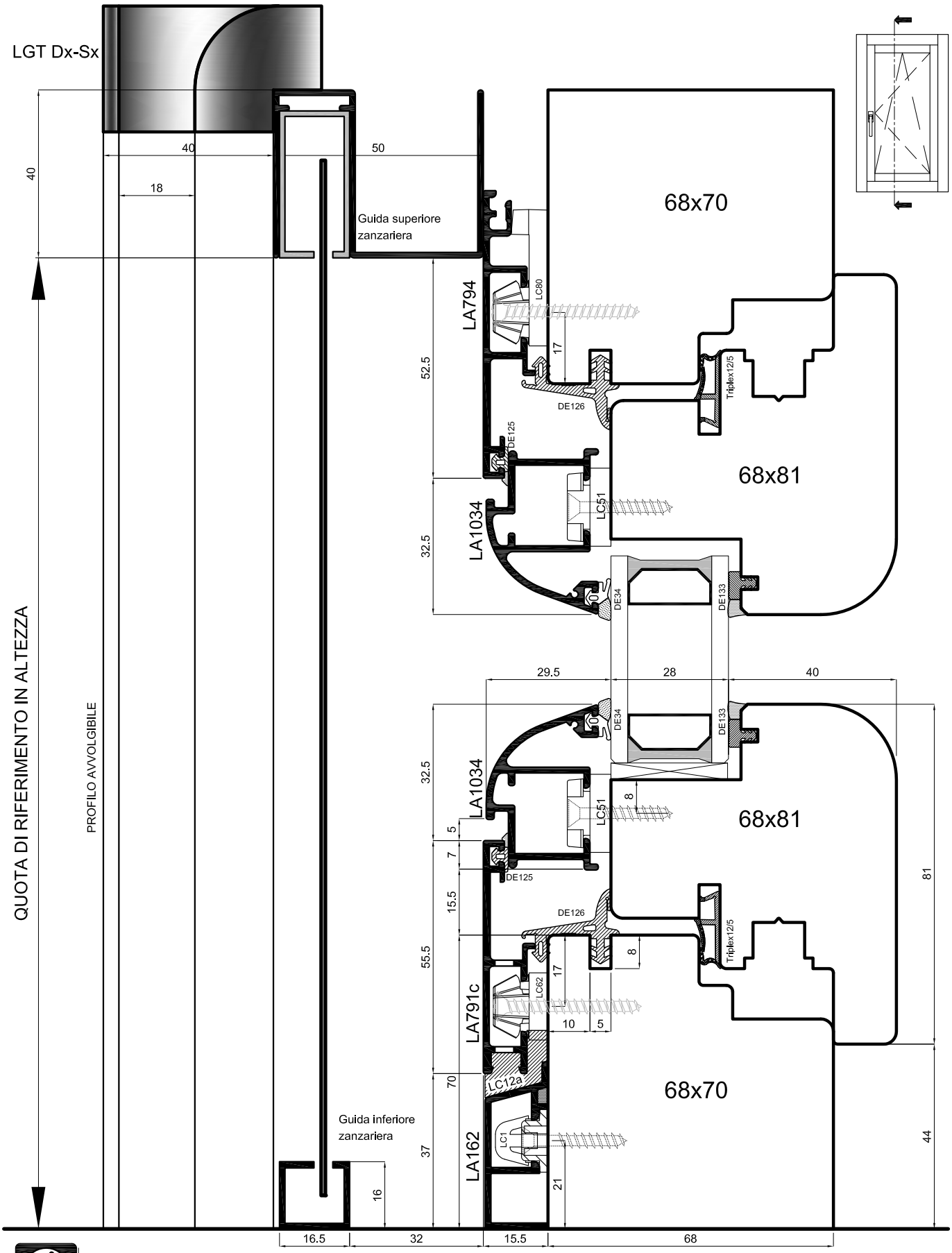


Bold-Line

uniform

Scala 0.7:1

Ⓘ Sezione orizzontale con zanzariera e guida avvolgibile
Ⓓ Horizontalschnitt mit Fliegengitter und Rolladenführung
Ⓔ Sección horizontal ventana con mosquitera y guía de persiana
Ⓕ Coupe horizontale avec moustiquaire et coulisse volet roulant
Ⓤⓚ Horizontal section with mosquito-net and winding up guide



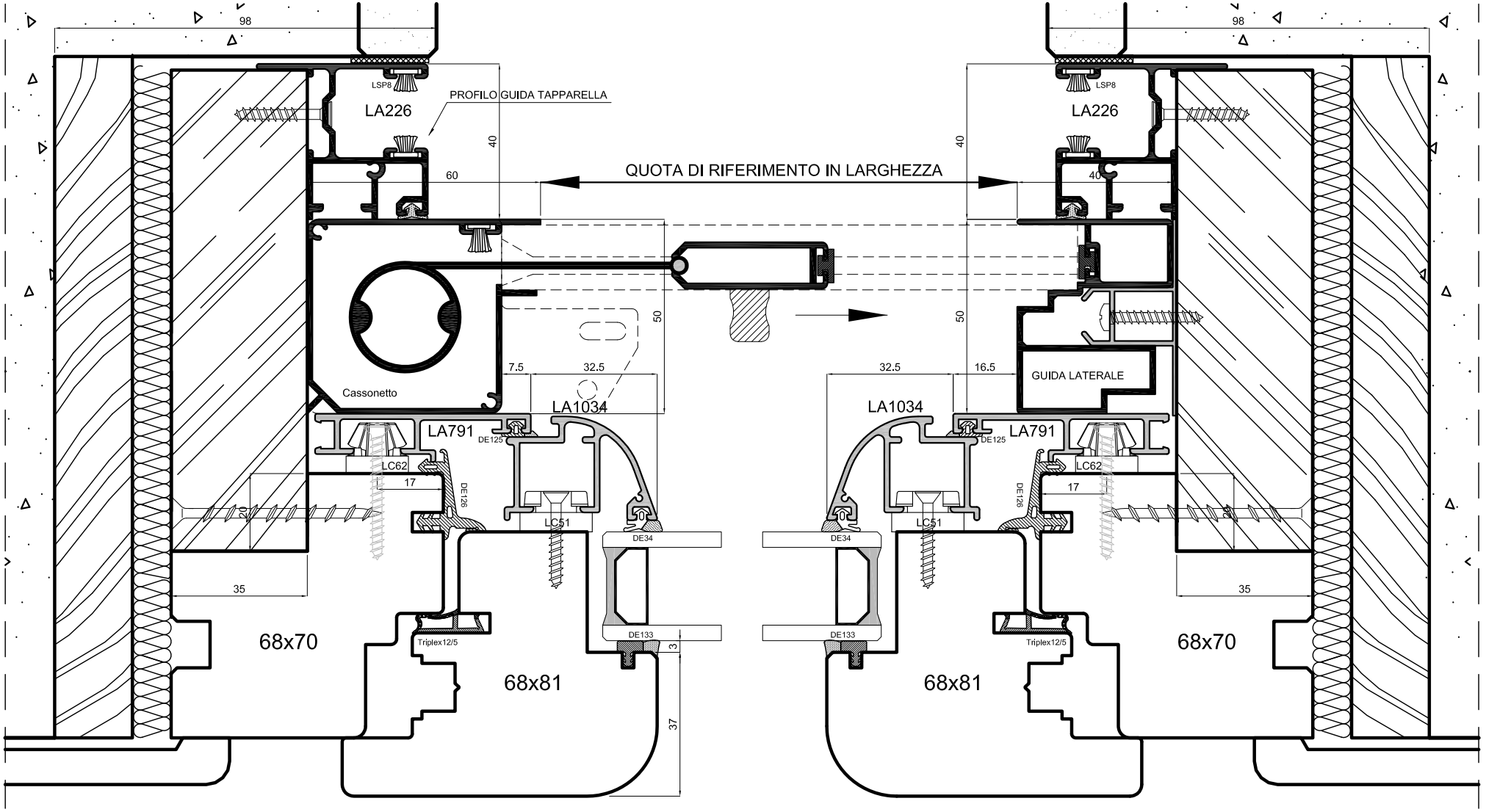
Disponibile su richiesta rallentatore per zanzariera.Uso consigliato per zanzariere con altezza superiore a 180cm.

Bold-Line

uniform

Scala 0.8:1

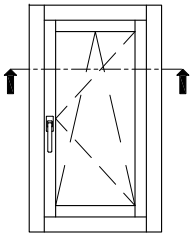
(I) Sezione verticale con zanzariera a scorrimento laterale e guida avvolgibile
(D) Vertikalschnitt mit Fliegengitter und Rolladenführung
(E) Sección vertical ventana con mosquitera y guía de persiana
(F) Coupe verticale avec moustiquaire et coulisses volet roulant
(UK) Vertical section with mosquito-net and winding up guide



Bold-Line

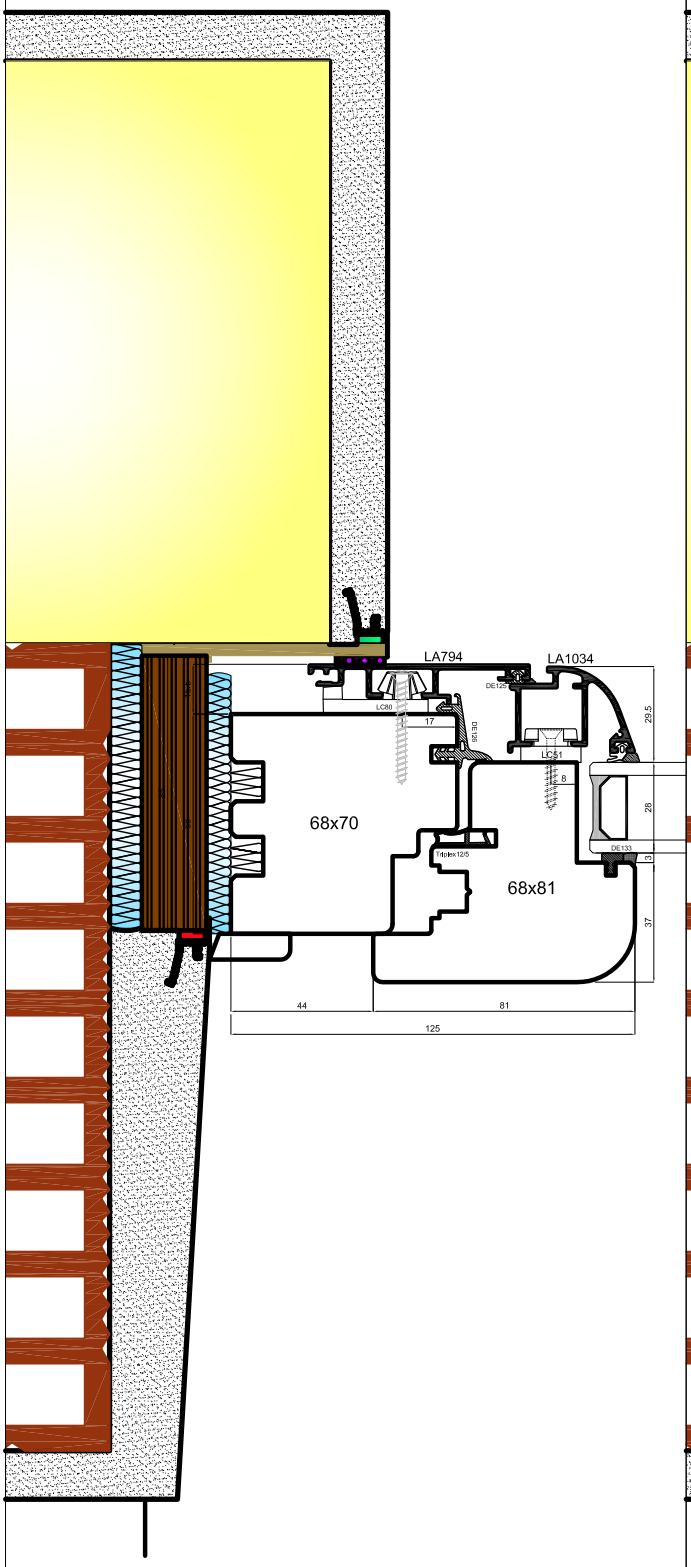
uniform

Scala 0.7:1

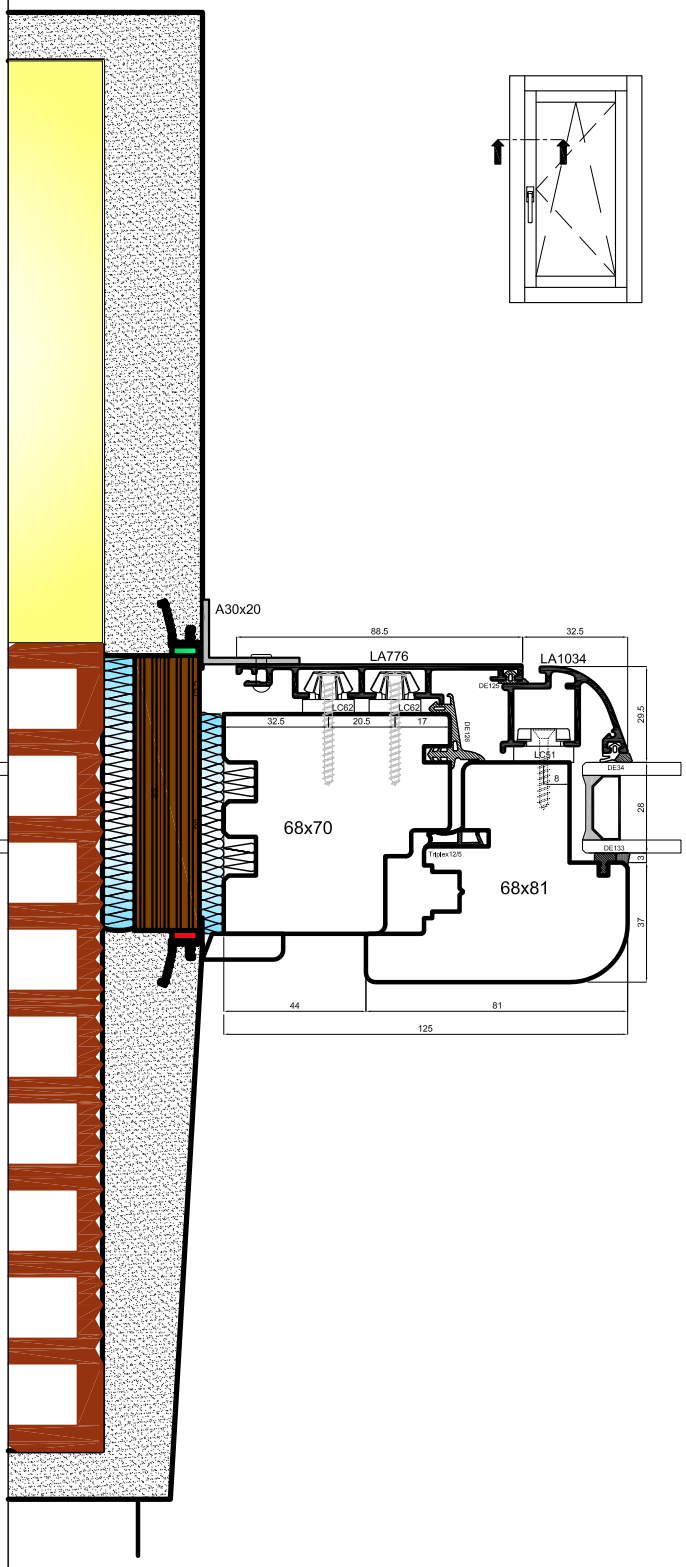


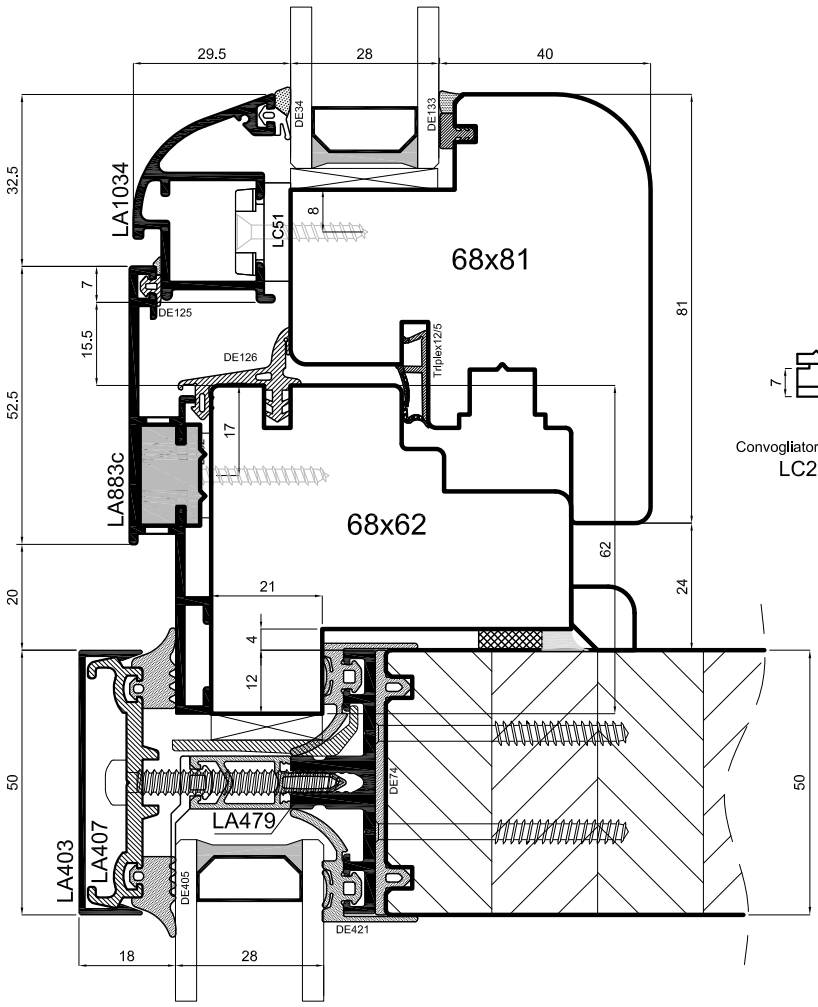
(I) Sezione orizzontale con zanzariera a scorrimento laterale e guida avvolgibile
(D) Horizontalschnitt mit Fliegengitter und Rolladenführung
(E) Sección horizontal ventana con mosquitera y guía de persiana
(F) Coupe horizontale avec moustiquaire et coulisse volet roulant
(UK) Horizontal section with mosquito-net and winding up guide

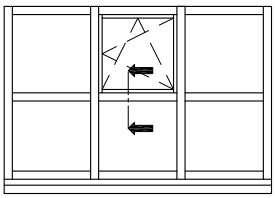
Sistema PosaClima con telaio montato in battuta

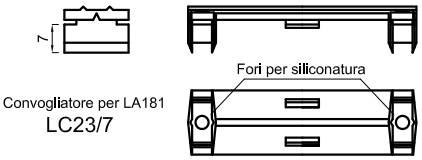


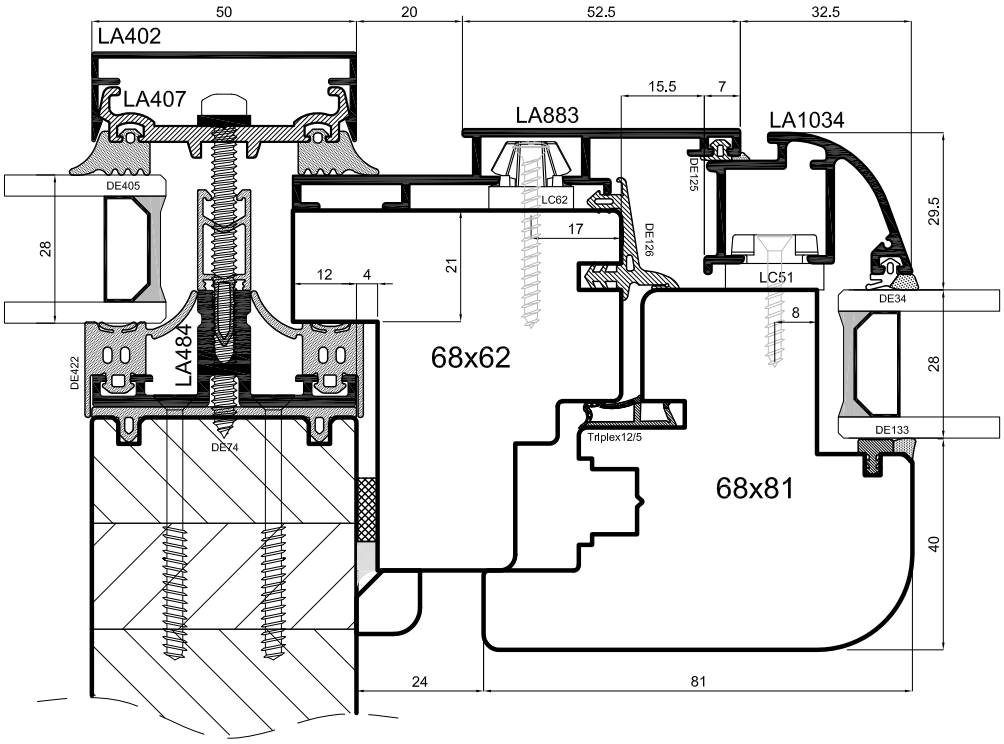
Sistema PosaClima con telaio montato in luce

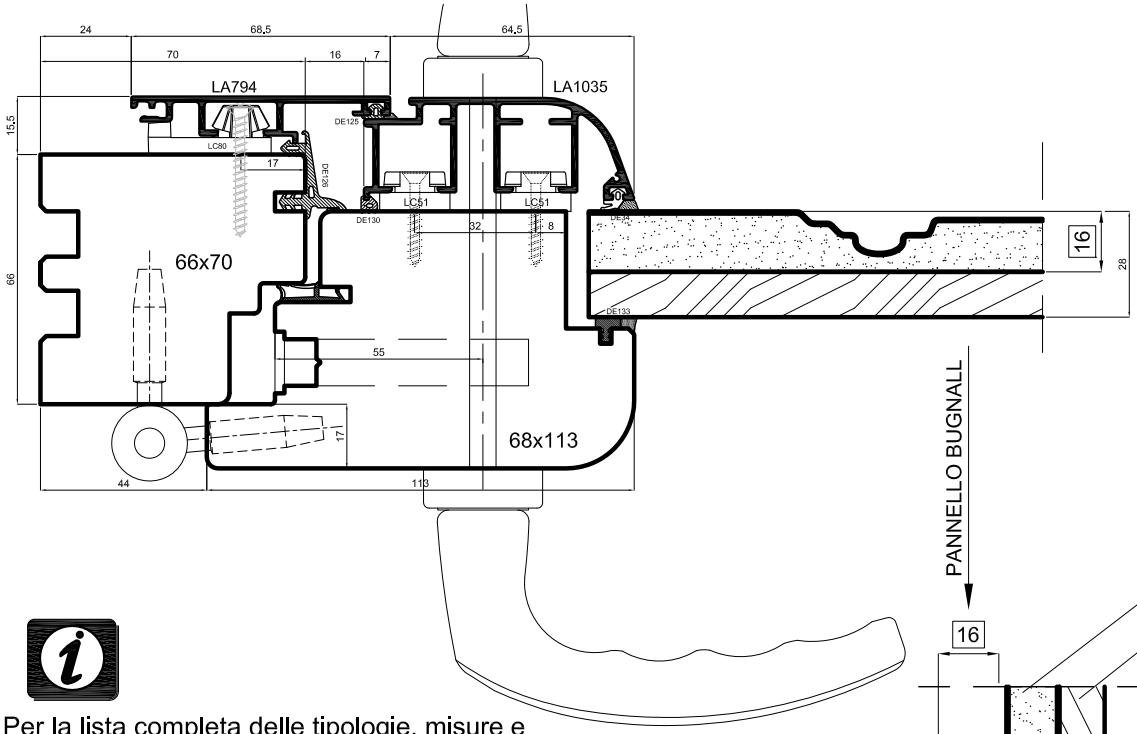



29.5
28
40
DE34
DE133
LA1034
LC51
8
68x81
7
15.5
DE125
DE126
Triplex12/5
17
LA883c
68x62
32.5
52.5
20
50
81
62
24
21
4
12
DE74
LA479
LA403
LA407
DE405
DE421
18
28

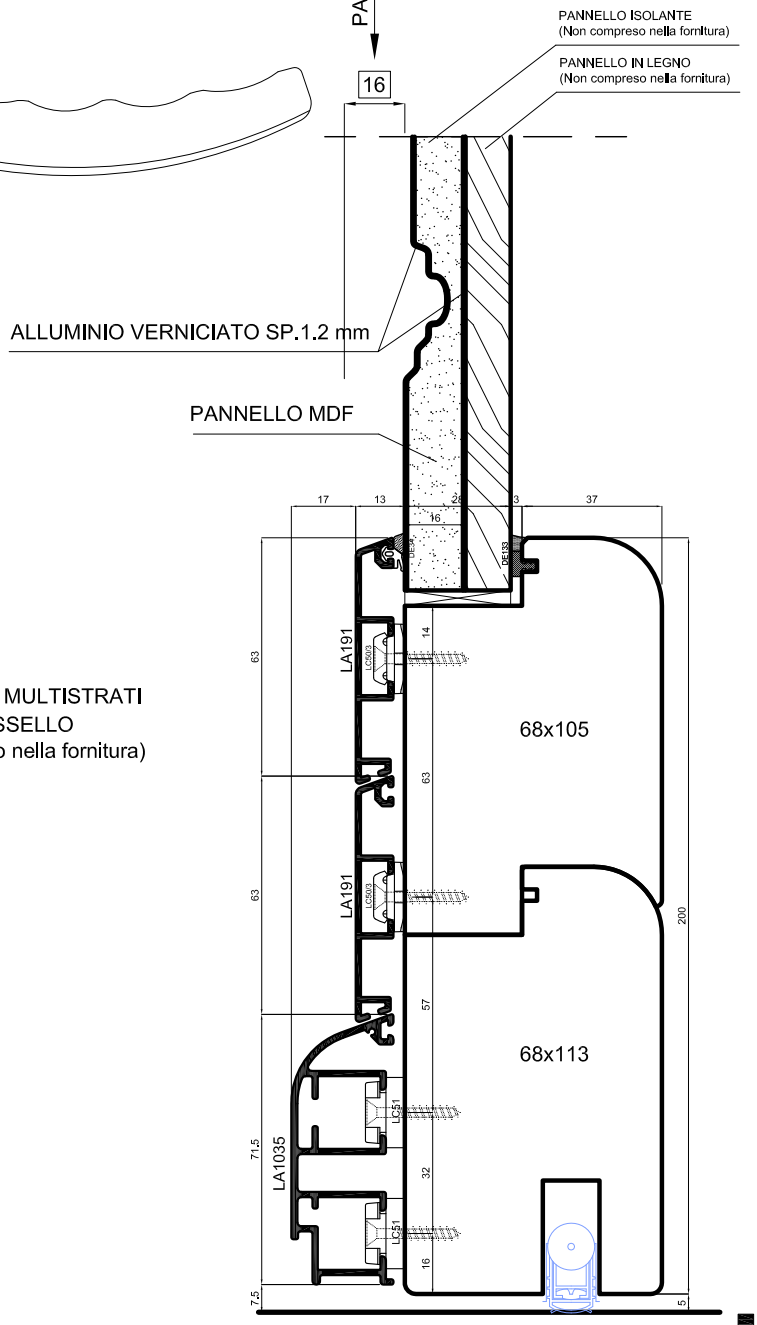



7
Fori per siliconatura
Convogliatore per LA181
LC23/7

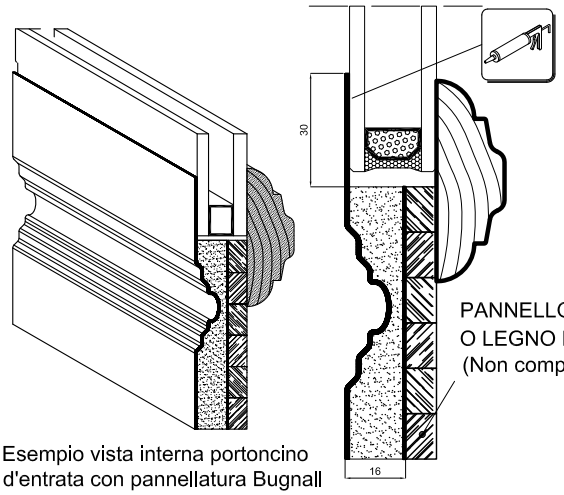

50
20
52.5
32.5
LA402
LA407
LA883
15.5
7
LA1034
DE405
LC62
DE125
17
DE126
29.5
28
12
4
21
LC51
DE34
8
LA484
DE422
68x62
28
DE74
Triplex12/5
DE133
68x81
40
24
81



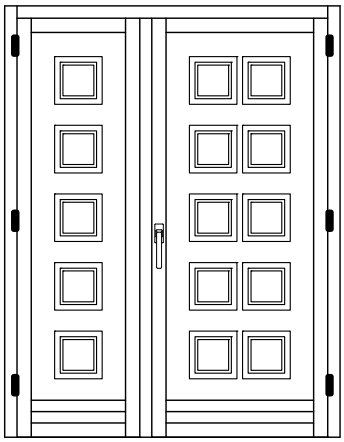
Per la lista completa delle tipologie, misure e finiture dei pannelli Bugnall richiedere lo specifico catalogo tecnico o consultare la lista sul sito web www.uniform.it



Esempio pannello con predisposizione vetro



Esempio vista interna portoncino d'entrata con pannellatura Bugnall



Bold-Line

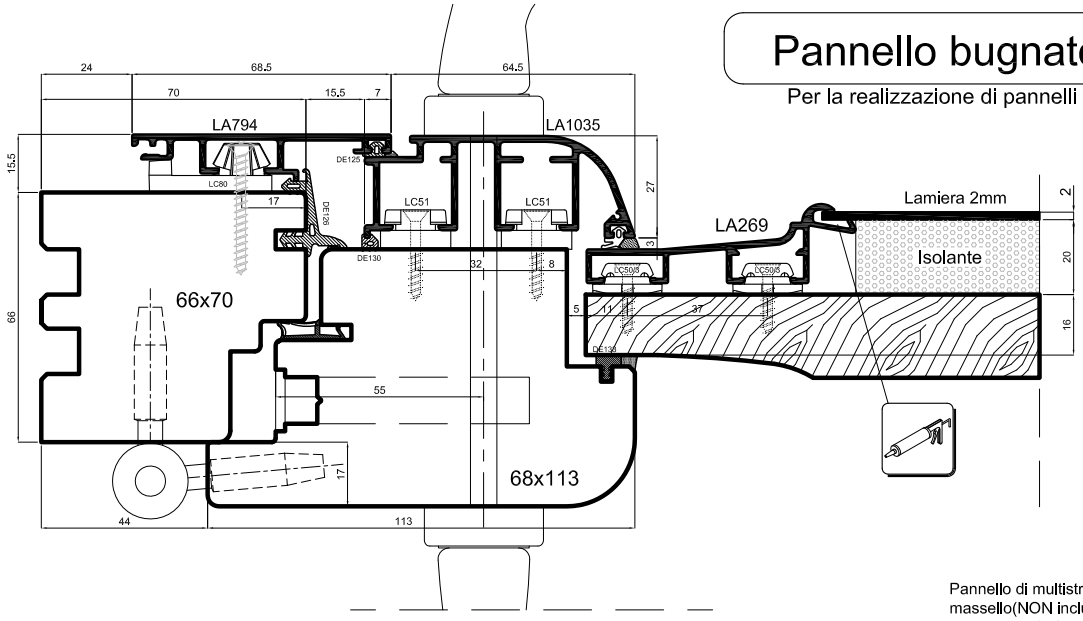
uniform

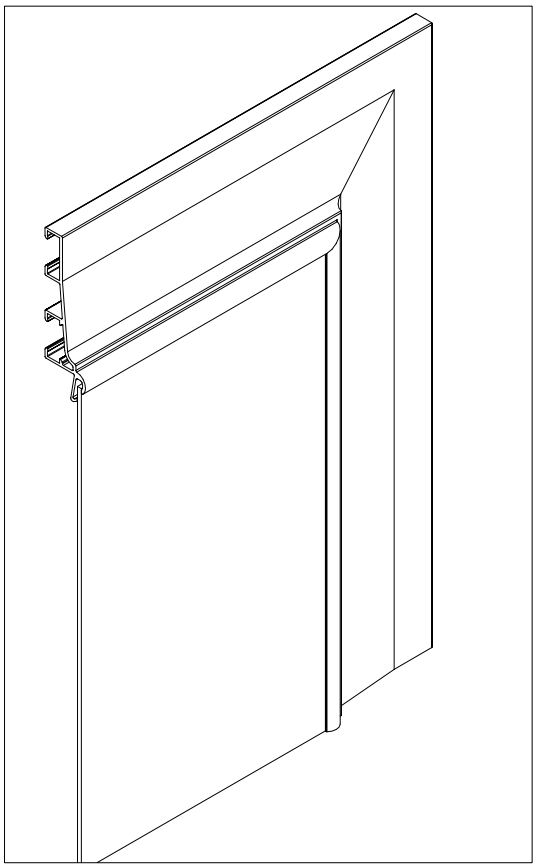
Scala 1:2

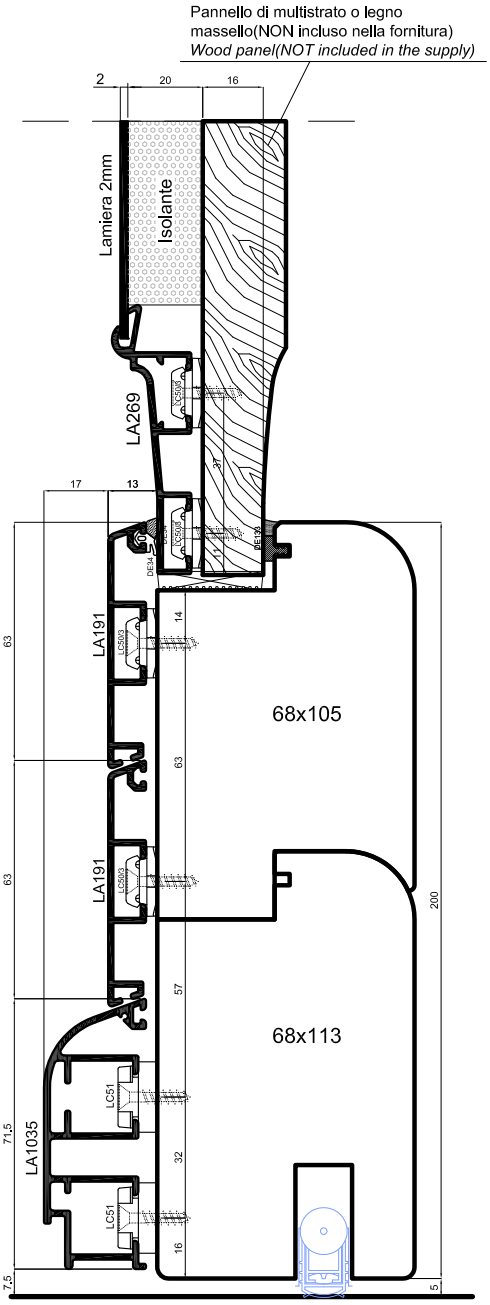
Ⓘ Portoncini d'ingresso con pannelli in MDF bugnato con lamiera in alluminio 12/10
Ⓓ Eingangstür mit Füllung MDF profiliert und mit Alublech 12/10 überzogen
Ⓔ Puerta de entrada con panel en MDF almohadillado con chapa de aluminio 12/10
Ⓕ Portes d'entrée avec panneau en MDF recouvert d'une tôle aluminium 12/10 profilé
Ⓤⓚ Main doors with panels in MDF raised with aluminum sheet 12/10

Pannello bugnato uniform

Per la realizzazione di pannelli bugnati su misura





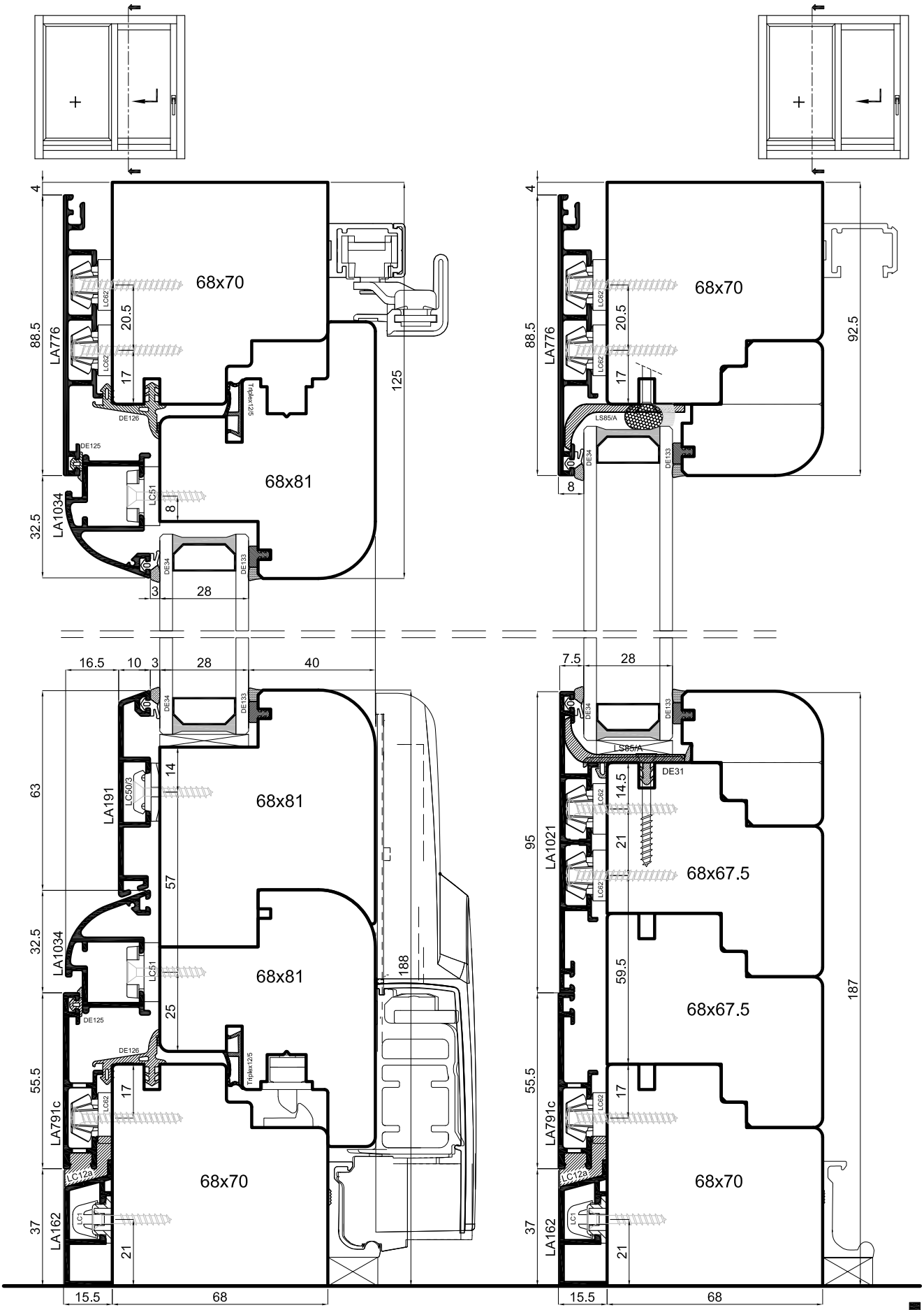


Bold-Line

uniform

Scala 1:2

Ⓘ Pannelli bugnati su misura con profilo LA269
Ⓓ Profilierte Paneelen auf Mass mit Profil LA269
Ⓔ Paneles almohadillados a medida con perfil LA269
Ⓕ Panneaux moulurés sur mesure avec profil LA269
Ⓤ Raised panels on size with profile LA269

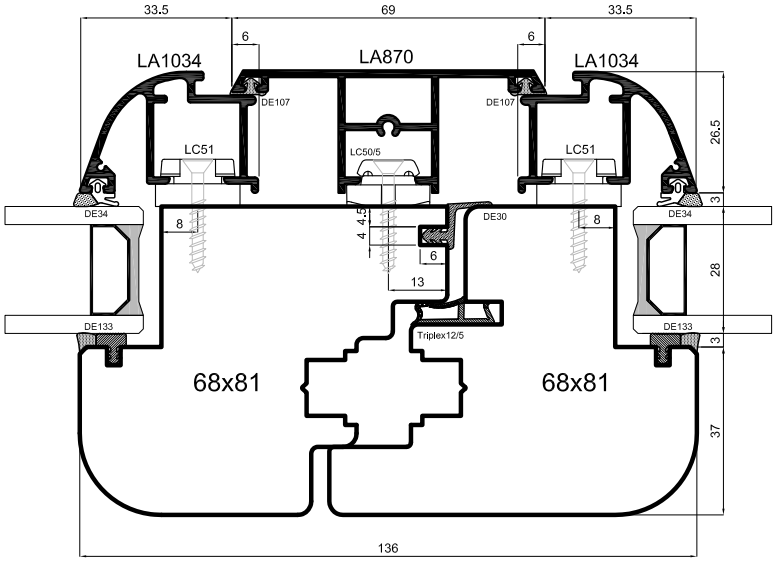


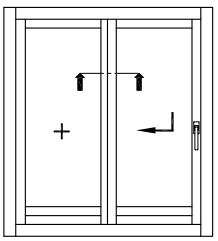
Bold-Line

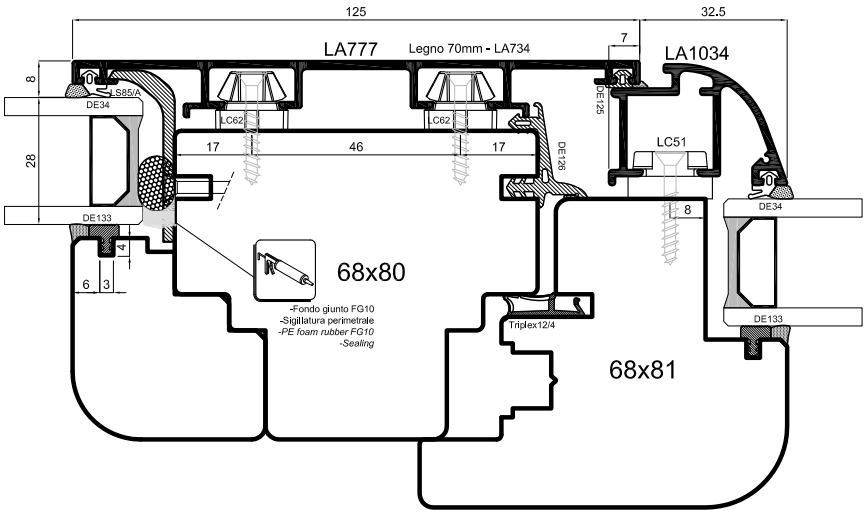
uniform

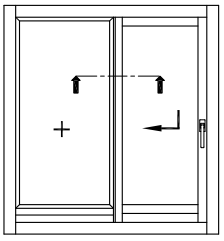
Scala 0.6:1

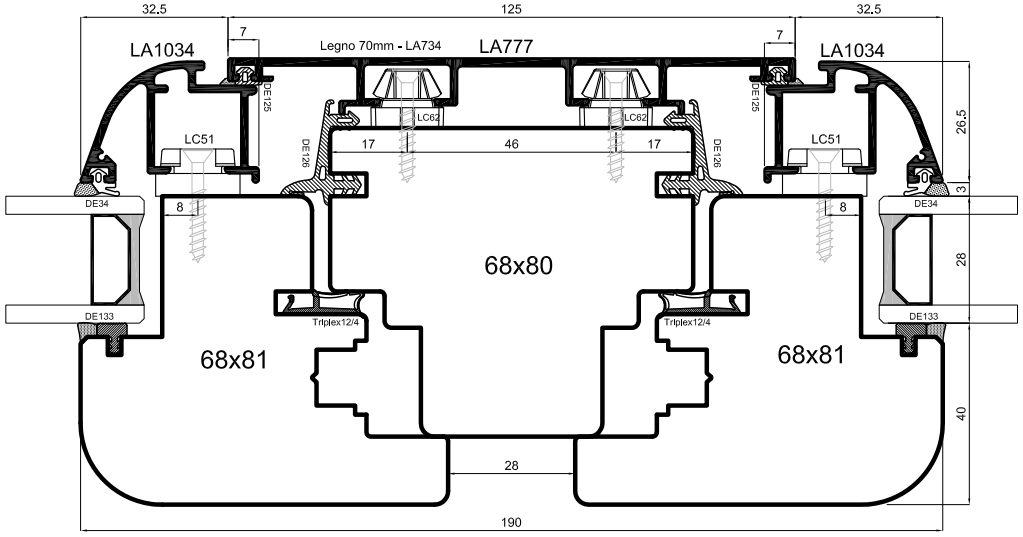
(I) Sezione verticale portafinestra scorrevole parallelo
(D) Vertikalschnitt Parallelschiebekipptür
(E) Sección vertical puertaventana corredera paralela
(F) Coupe verticale porte-fenêtre coulissante à translation
(UK) Vertical section of the parallel sliding door-height window

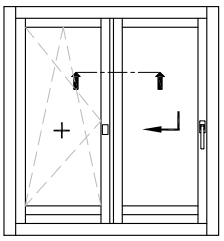

33.5
69
33.5
6
6
LA1034
LA870
LA1034
DE107
DE107
LC51
LC50/5
LC51
26.5
3
DE34
DE34
8
4
4.5
DE30
8
6
13
28
DE133
DE133
Triplex12/5
3
68x81
68x81
37
136

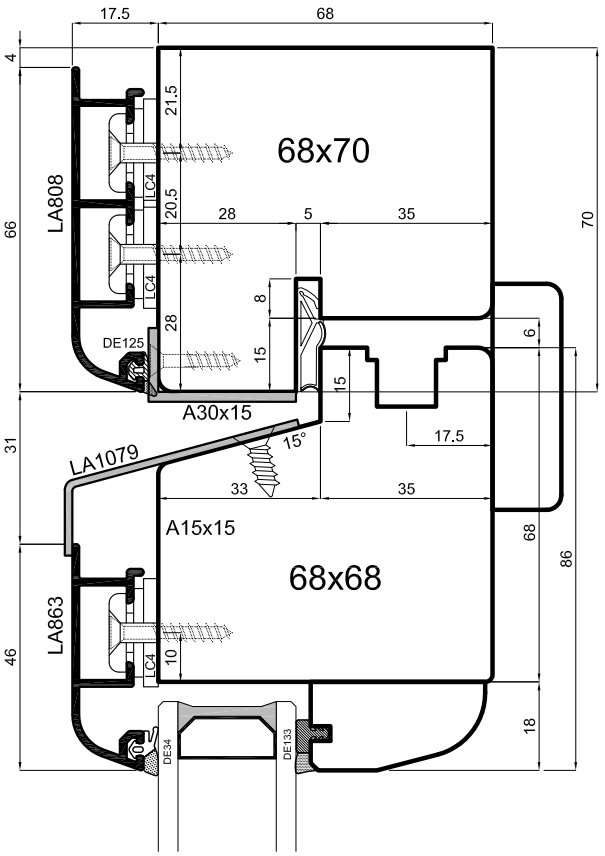


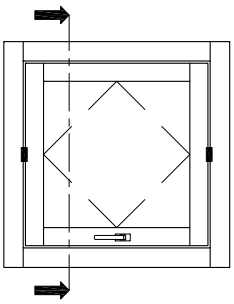

125
32.5
LA777
Legno 70mm - LA734
7
LA1034
8
LS85/A
DE34
LC62
LC62
DE125
28
17
46
17
DE126
LC51
DE34
8
DE133
4
6
3
68x80
-Fondo giunto FG10
-Sigillatura perimetrale
-PE foam rubber FG10
-Sealing
Triplex12/4
DE133
68x81

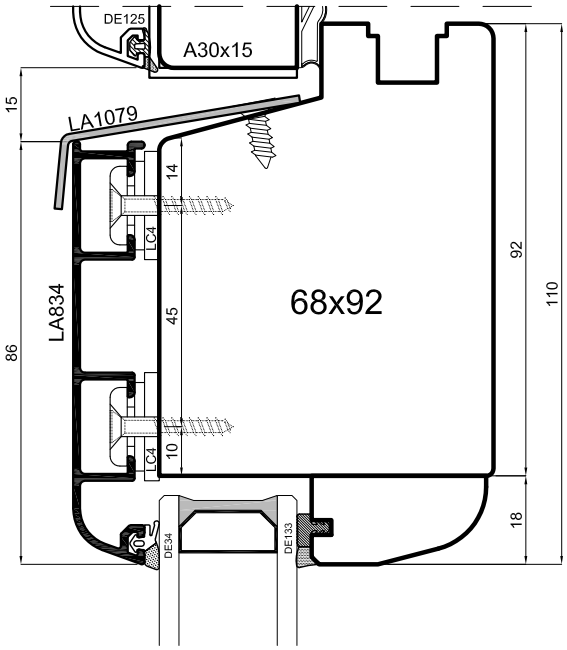


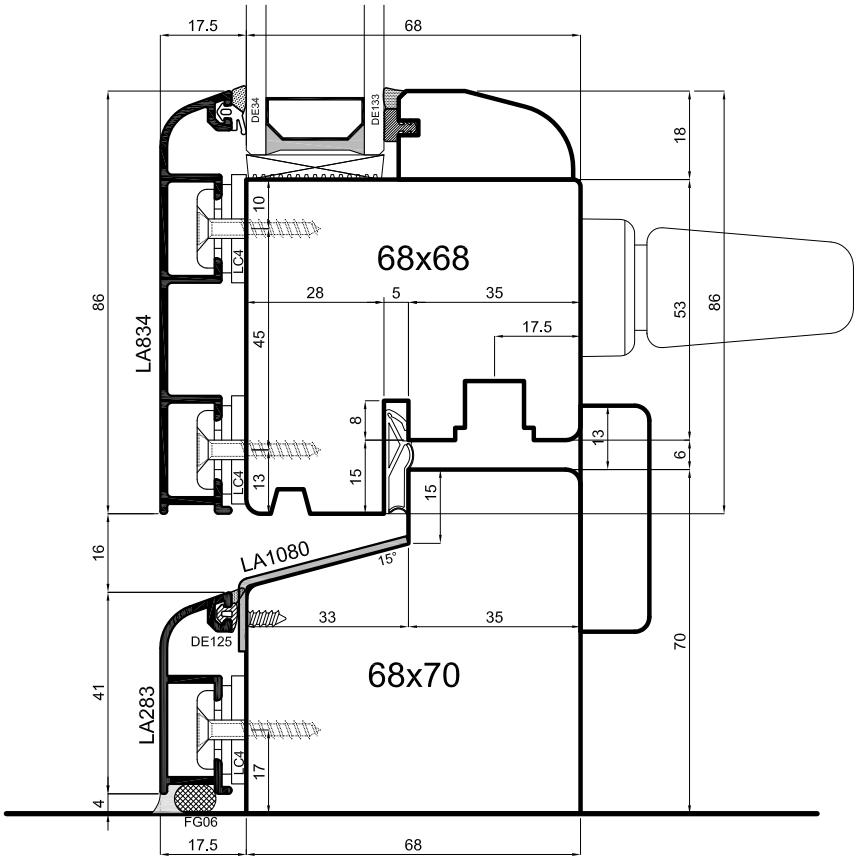

32.5
125
32.5
LA1034
7
Legno 70mm - LA734
LA777
7
LA1034
DE125
DE125
LC62
LC62
LC51
17
46
17
DE126
DE126
LC51
26.5
3
DE34
8
8
DE34
68x80
28
DE133
Triplex12/4
Triplex12/4
DE133
68x81
68x81
40
28
190





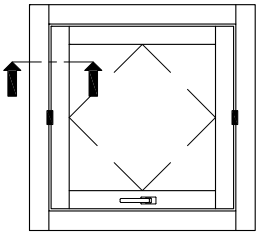


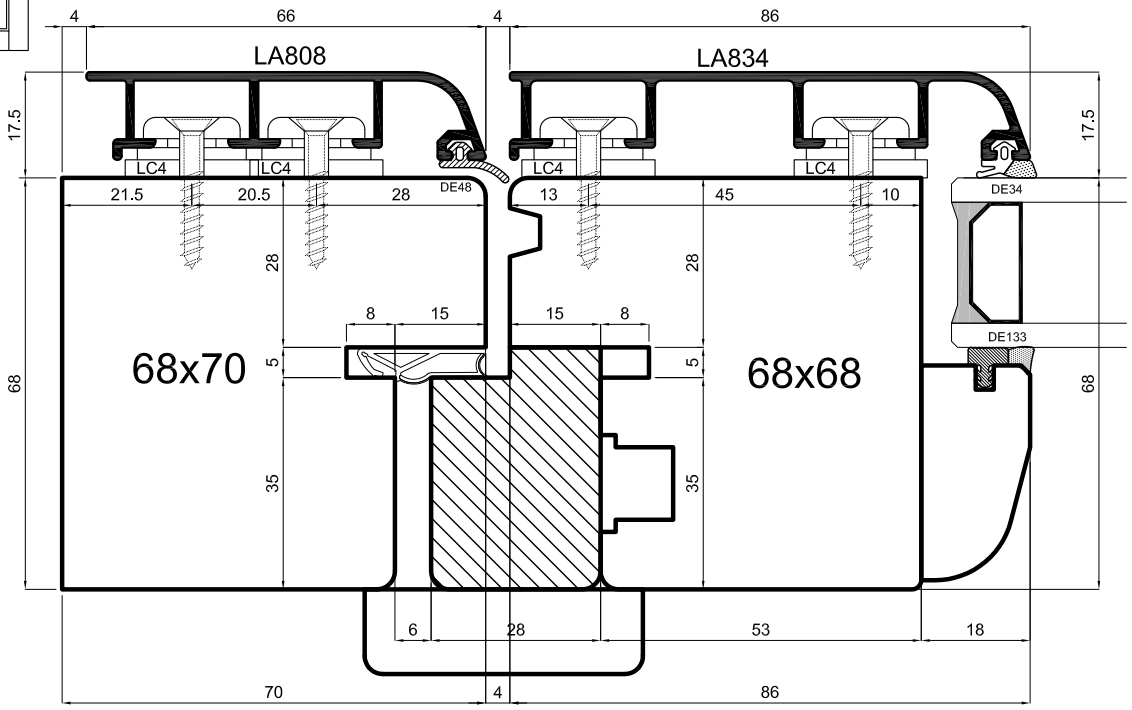


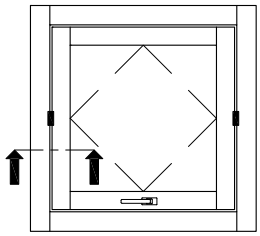


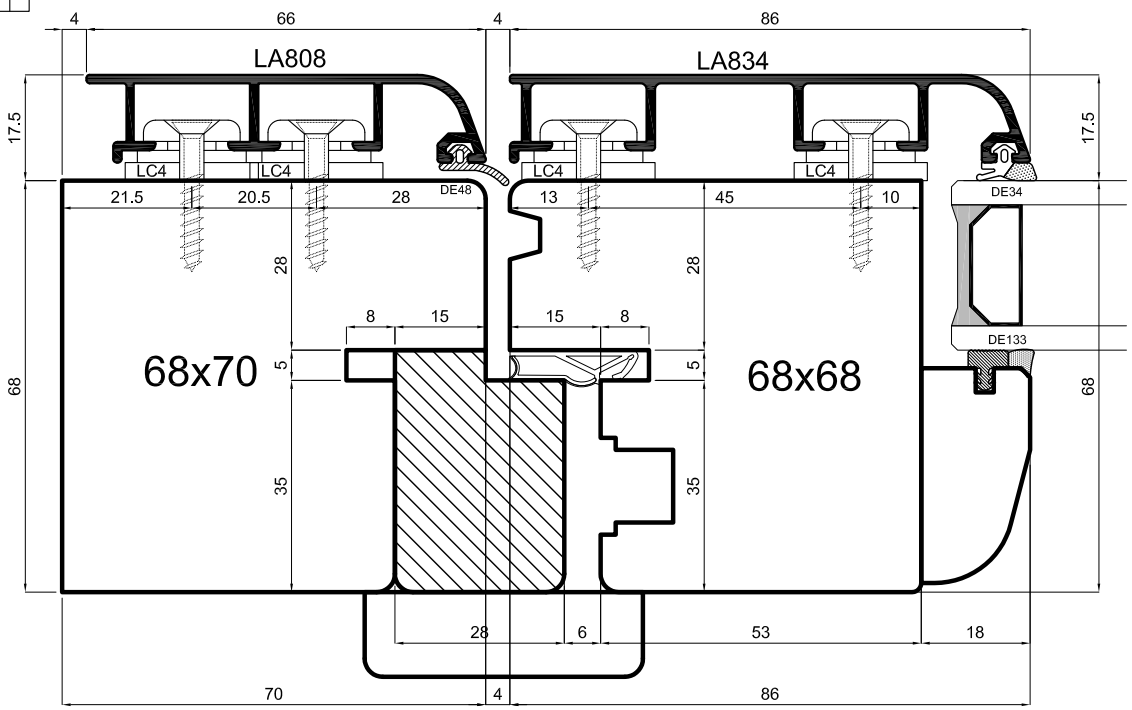
Scala -

Ⓘ Sezione verticale bilico orizzontale
Ⓓ Vertikalschnitt Schwingflügel
Ⓔ Sección vertical de basculante horizontal
Ⓕ Coupe verticale fenêtre basculante
Ⓤ Vertical section of the horizontal pivot window



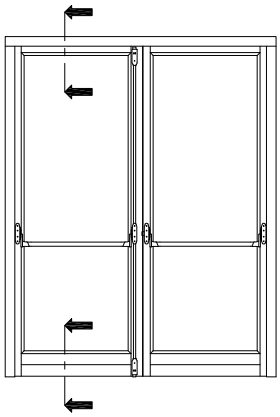


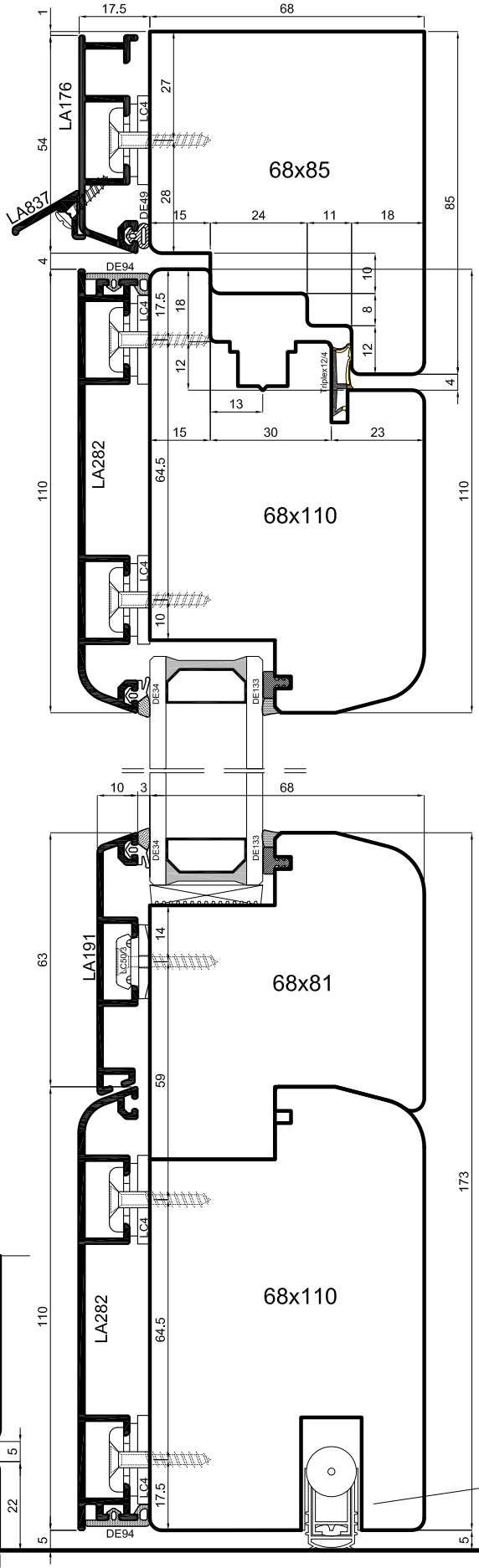




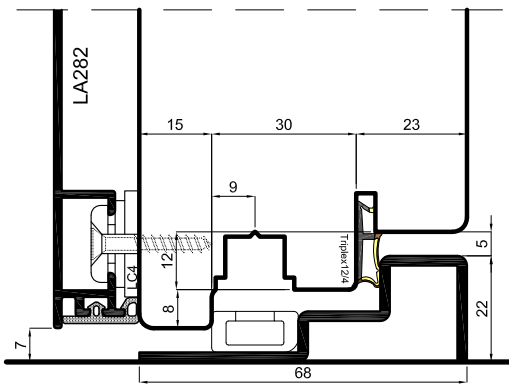
Scala 0.8:1

Ⓘ Sezione orizzontale bilico orizzontale
Ⓓ Horizontalschnitt Schwingflügel
Ⓔ Sección horizontal de basculante horizontal
Ⓕ Coupe horizontale fenêtre basculante
Ⓤⓚ Horizontal section of the horizontal pivot window





Soluzione con soglia in alluminio
Solution with aluminium Threshold



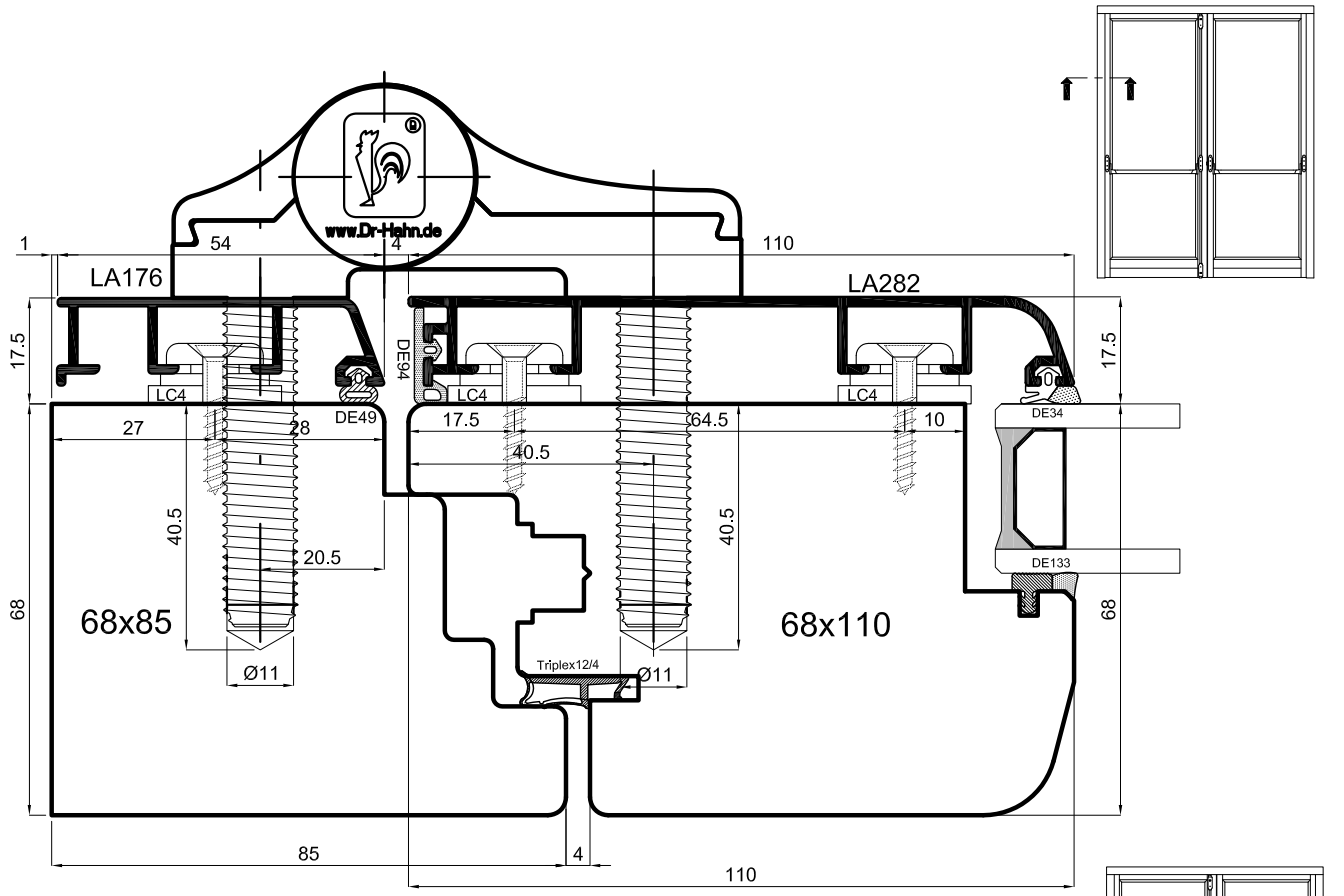
Soluzione non conforme alla normale permeabilità all'aria,acqua e vento.
Solution not conforming to the normal air, water and wind permeability.

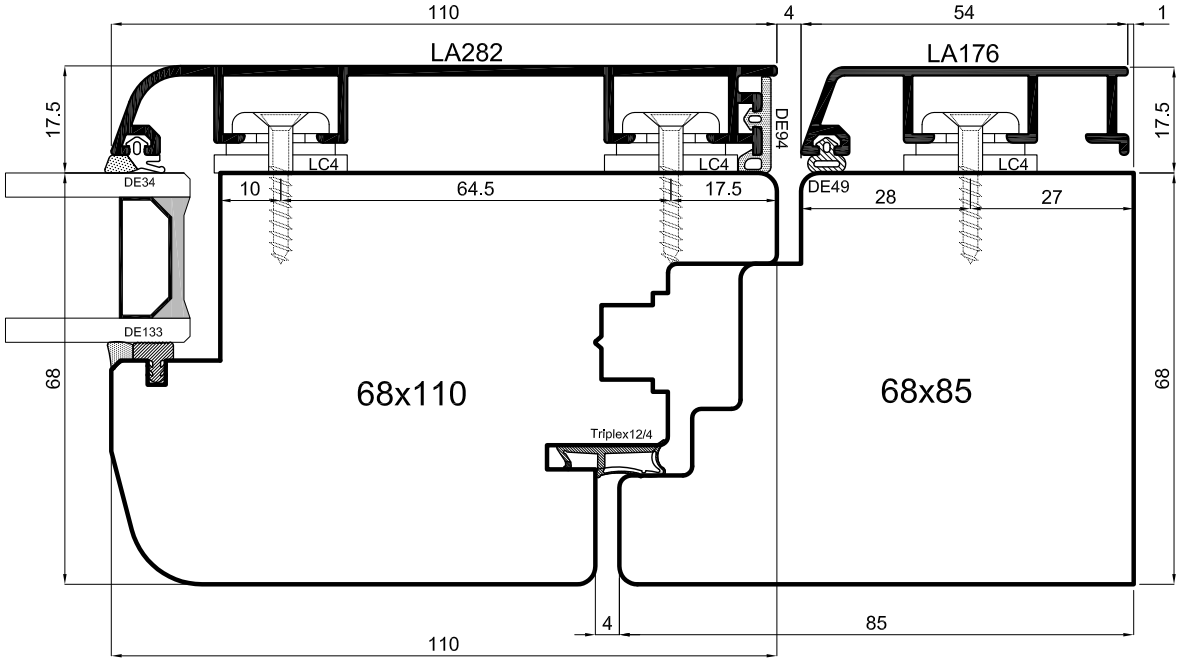
Bold-Line

uniform

Scala -

Ⓘ Sezione verticale serramento con apertura verso l'esterno
Ⓓ Vertikalschnitt Tür nach außen öffnend
Ⓔ Sección vertical de cerramiento con apertura hacia el exterior
Ⓕ Coupe verticale fenêtre avec ouverture vers l'extérieur
Ⓤⓚ Vertical section of top-hinged window



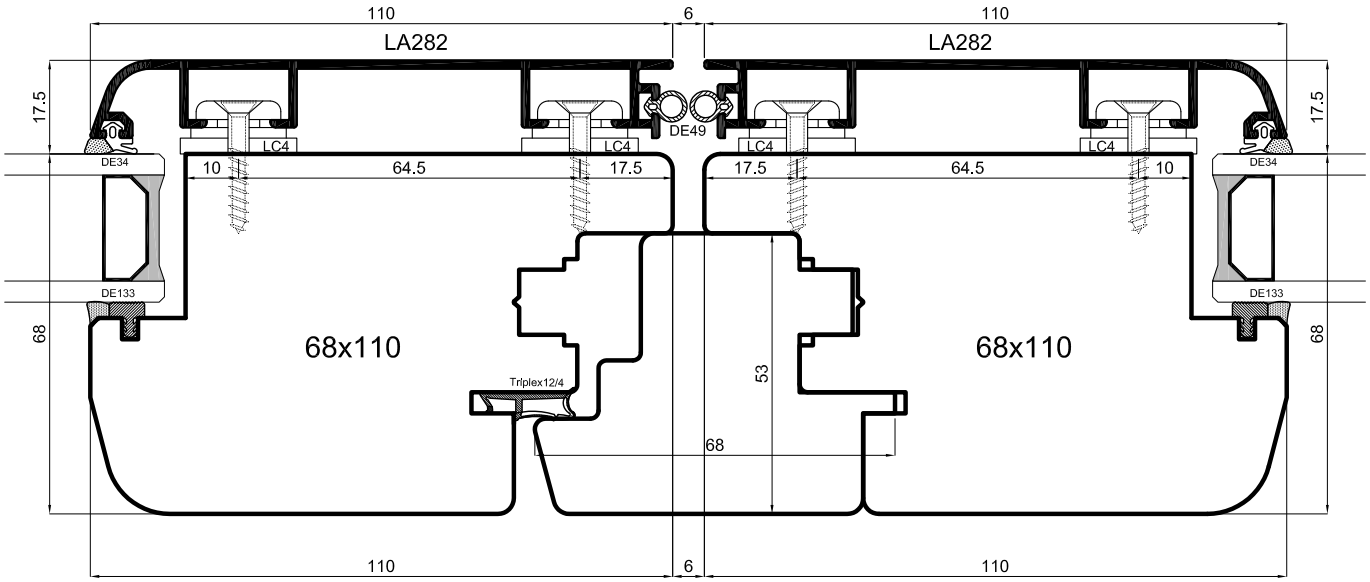


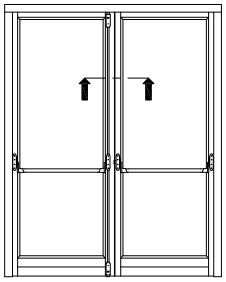
Bold-Line

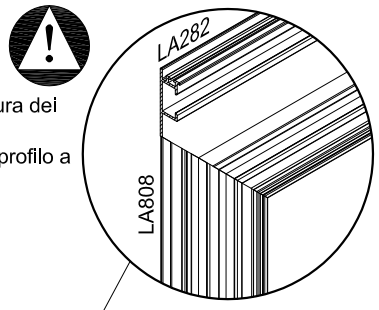
uniform

Scala 0.8:1

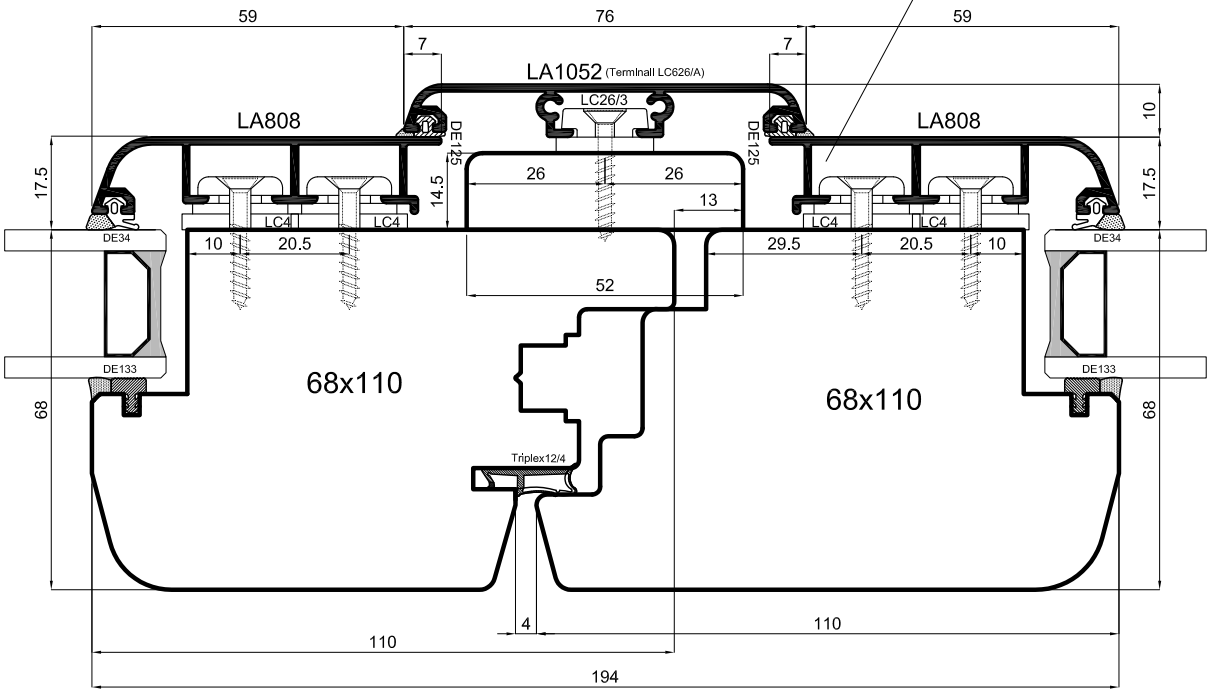
Ⓘ Sezione orizzontale serramento con apertura verso l'esterno
Ⓓ Horizontalschnitt Tür nach außen öffnend
Ⓔ Sección horizontal de cerramiento con apertura hacia el exterior
Ⓕ Coupe horizontale fenêtre avec ouverture vers l'extérieur
Ⓤⓚ Horizontal section of top-hinged window







Attenzione: spuntatura dei profili su lato a vista.
Sezione grezza del profilo a vista

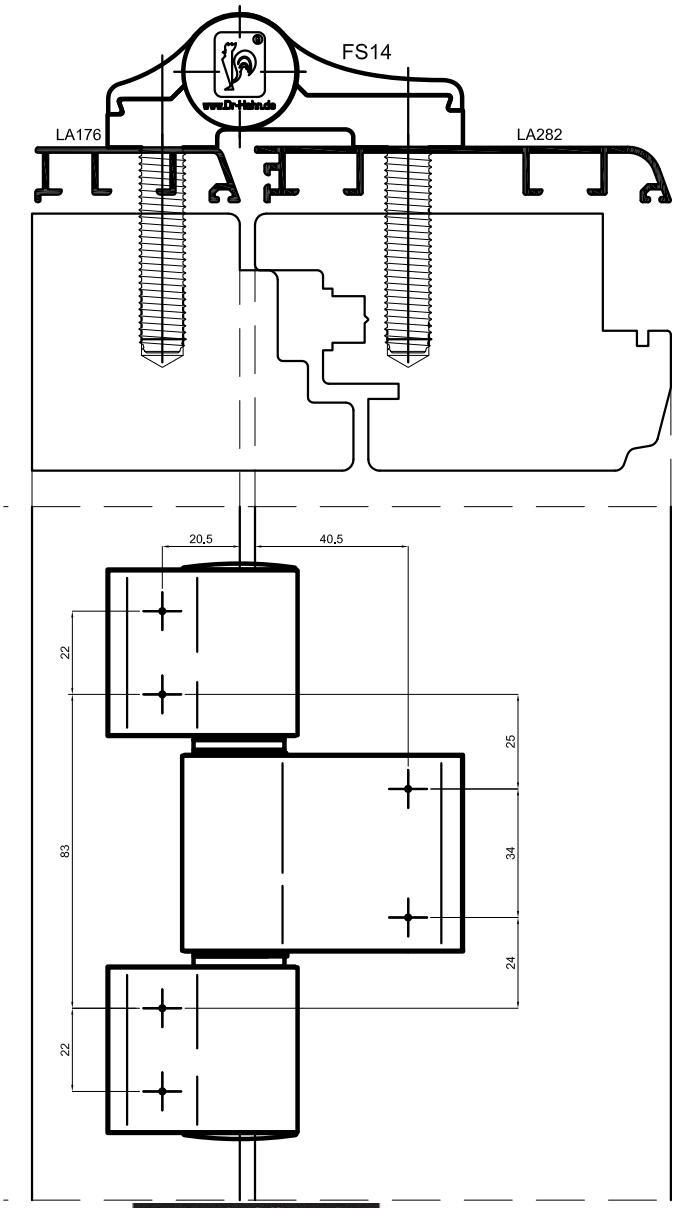


Bold-Line

uniform

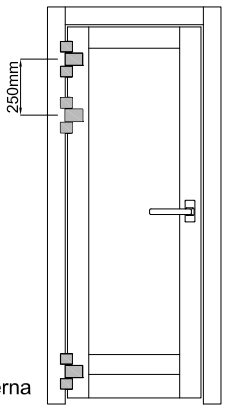
Scala 0.7:1

Ⓘ Sezione orizzontale chiusura centrale porta con apertura verso l'esterno
Ⓓ Horizontalschnitt Stulpprofil Tür nach außen öffnend
Ⓔ Sección horizontal del cierre central de puerta con apertura hacia el exterior
Ⓕ Coupe horizontale battement central porte-balcon avec ouverture vers l'extérieur
Ⓤ Horizontal section of the middle clamp with outward opening sash



PORTATA CON N°2 CERNIERE:
150Kg con misura massima porta LxH= 1000x2000mm.
Si sconsiglia l'applicazione su ante di larghezza superiore ad 1mt.
Per altezza superiore a 2 mt e fino a 2,2 mt è necessaria l'applicazione di una terza cerniera a circa 250mm dalla cerniera superiore(vedi disegno).

Load with 2 hinges:
150kg with a maximum door WxH = 1000x2000mm.
Should not be applied on doors of width of more than 1m.
For height greater than 2 meters and up to 2.2 meters, is required the application of a third hinge about 250mm from the top hinge (see drawing).



Vista esterna

Cacciavite bit speciale per vite d'ancoraggio e per vite di fissaggio
Inserto E 6,3/Chiave esagonale da 6 mm
N° A750A0027

Boccola dima di foratura
N° A650A0056 Ø 5 mm/Ø 11 mm

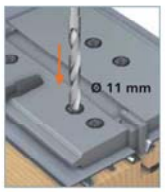
Punta di trapano a due diametri
N° A650A0035 Ø 6 mm/Ø 11 mm

Trapano
N° K450A0001 Ø 5 mm

Dima di foratura su richiesta

Montaggio della cerniera

Preforo opzionale: con boccola dima di foratura N° A650A0056.

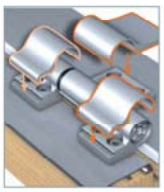


Forare Ø 11 mm.

Avvitare la vite di ancoraggio fino al collare.

Fissare la cerniera avvitando le apposite viti a fondo nella filettatura delle viti di ancoraggio (forza di serraggio 20 – 30 Nm).

Avvitare il mandrino di sollevamento.

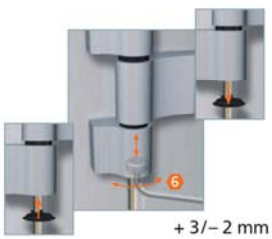

Applicare a scatto gli elementi coprivite. Inserire i tappi.

Regolare la pressione guarnizione

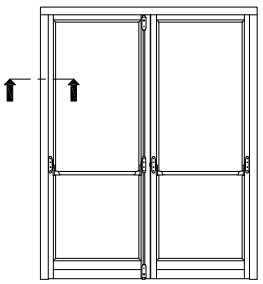
Ruotare la boccola del supporto di ± 90° finché non si avverte lo scatto di innesto (pressione sulla guarnizione ± 0,5 mm).
Con la stella di regolazione ruotare la boccola inferiore del supporto di ± 90°, finché non si avverte lo scatto di innesto.

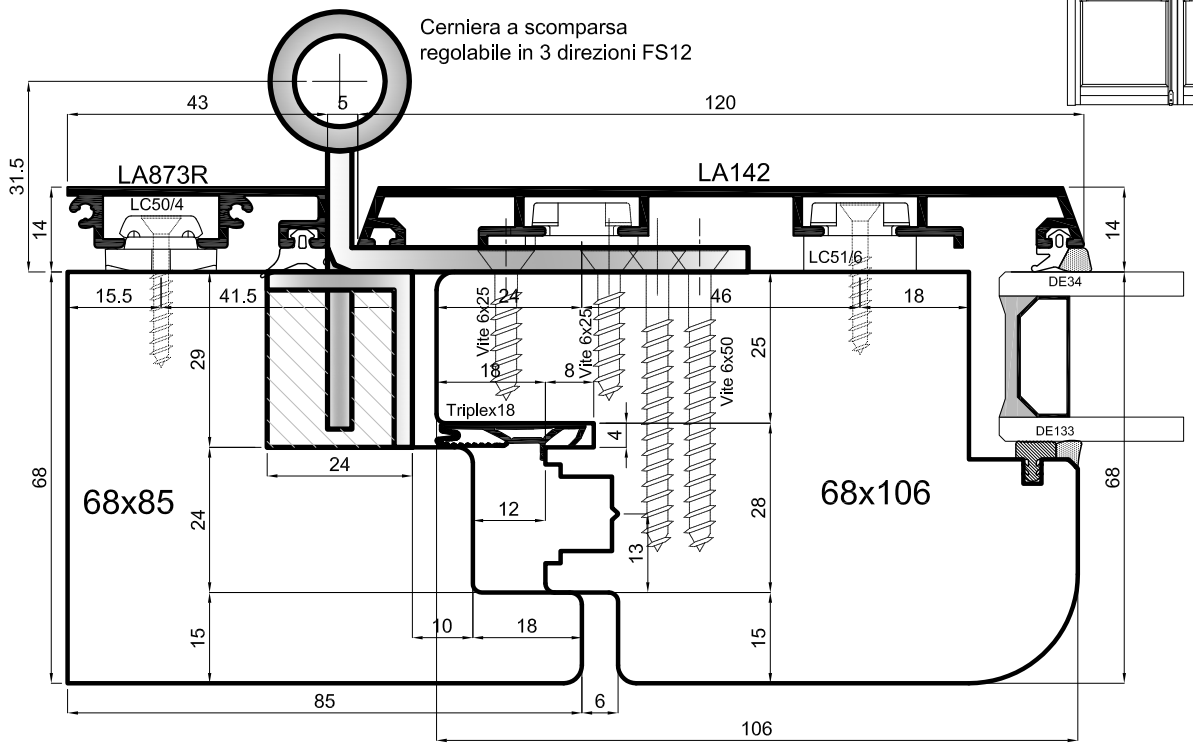
Regolazione orizzontale

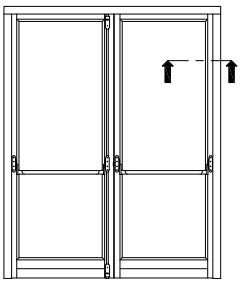
Regolazione in altezza

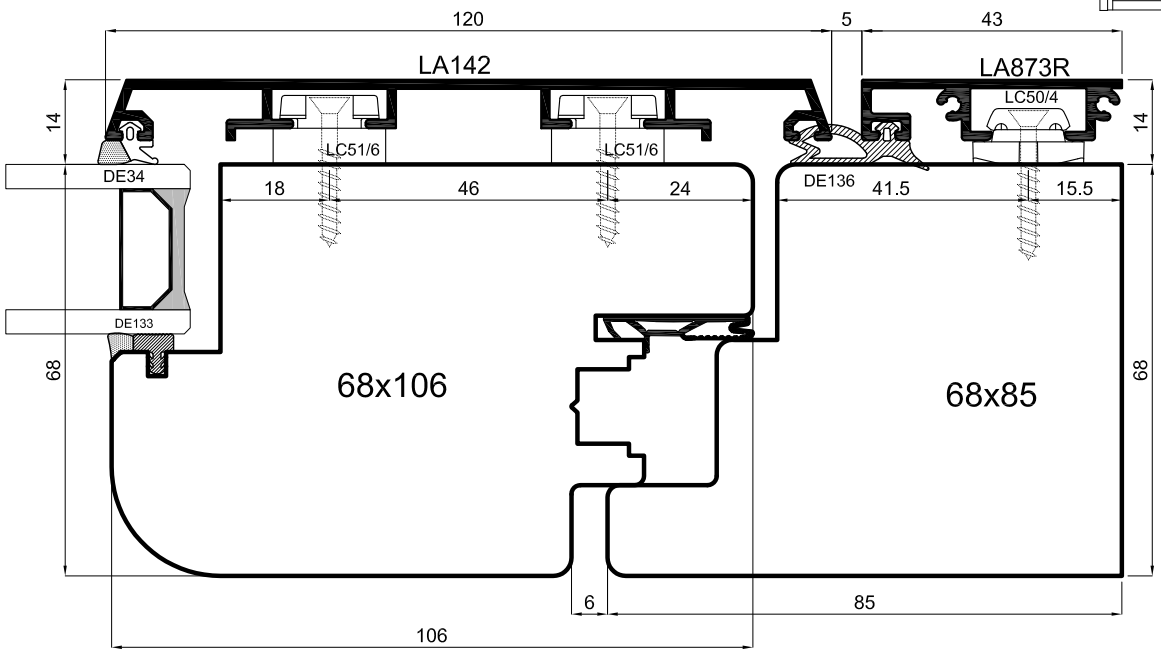


Ⓘ Cerniera per apertura verso l'esterno
Ⓓ Scharniere für nach außen aufgehende Öffnung
Ⓔ Bisagra para apertura hacia el exterior
Ⓕ Charnière pour ouverture vers l'extérieur
Ⓤⓚ Hinge for the projected opening

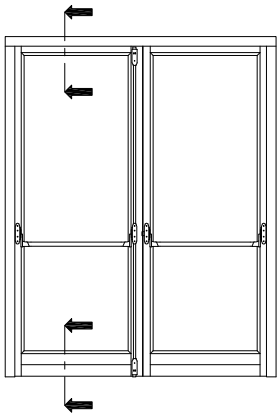


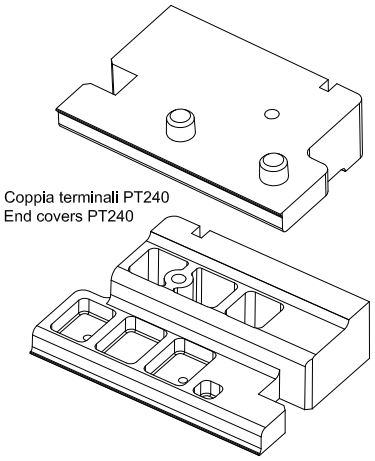


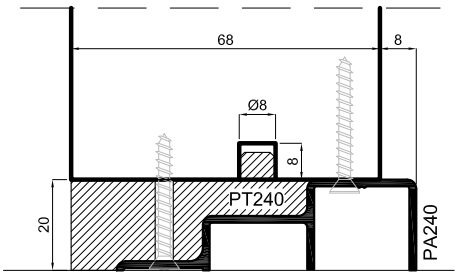


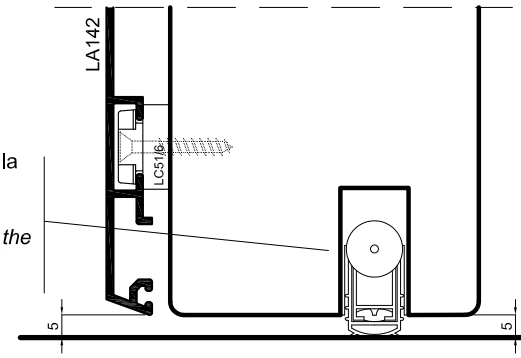


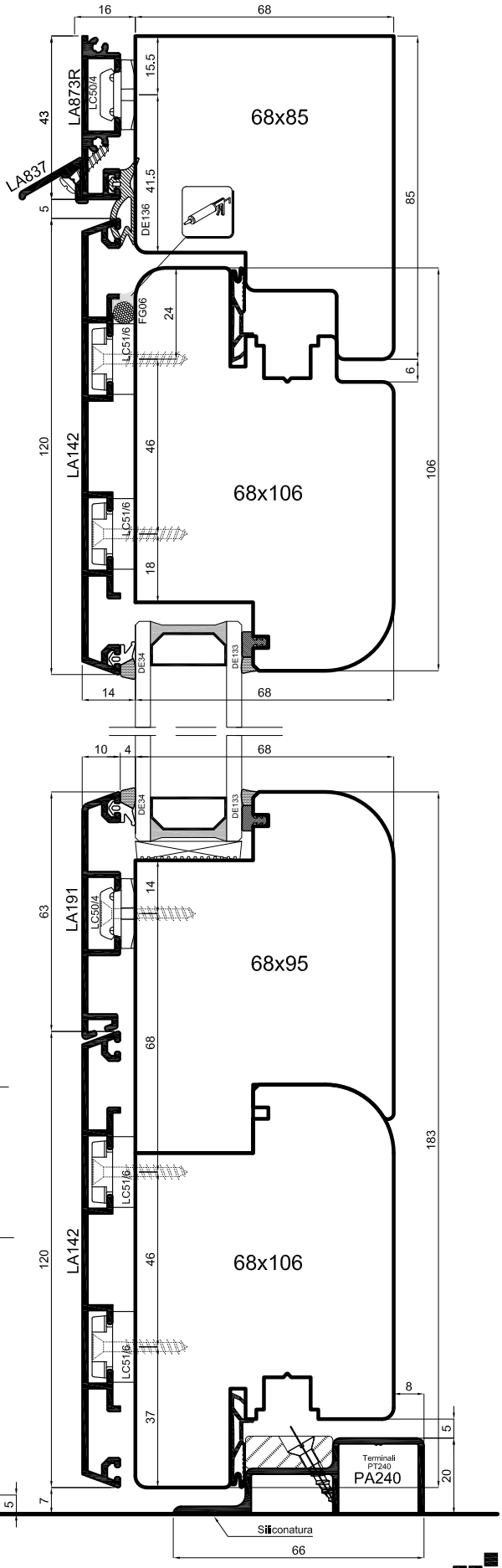
Ⓘ Sezione orizzontale serramento con apertura verso l'esterno
Ⓓ Horizontalschnitt Tür nach außen öffnend
Ⓔ Sección horizontal de cerramiento con apertura hacia el exterior
Ⓕ Coupe horizontale fenêtre avec ouverture vers l'extérieur
Ⓤⓚ Horizontal section of top-hinged window











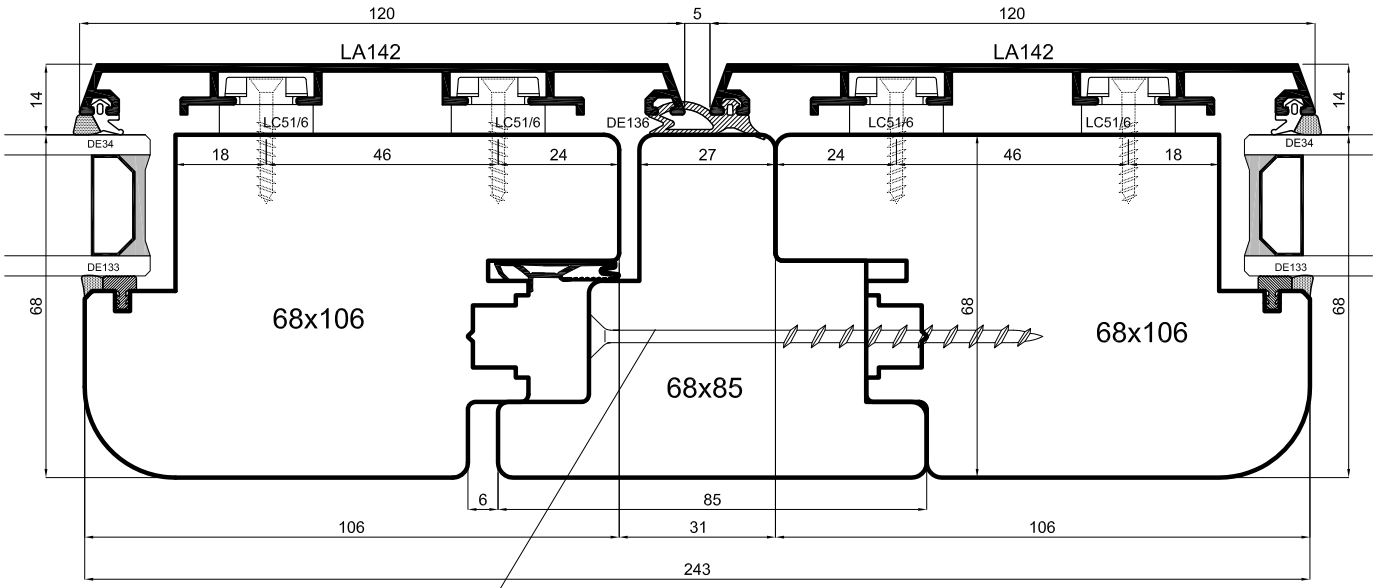
Soluzione non conforme alla normale permeabilità all'aria,acqua e vento.
Solution not conforming to the normal air, water and wind permeability.

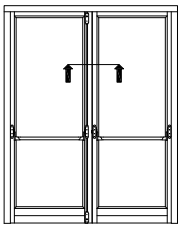
Bold-Line

uniform

Scala -

Ⓘ Sezione verticale serramento con apertura verso l'esterno
Ⓓ Vertikalschnitt Tür nach außen öffnend
Ⓔ Sección vertical de cerramiento con apertura hacia el exterior
Ⓕ Coupe verticale fenêtre avec ouverture vers l'extérieur
Ⓤⓚ Vertical section of top-hinged window



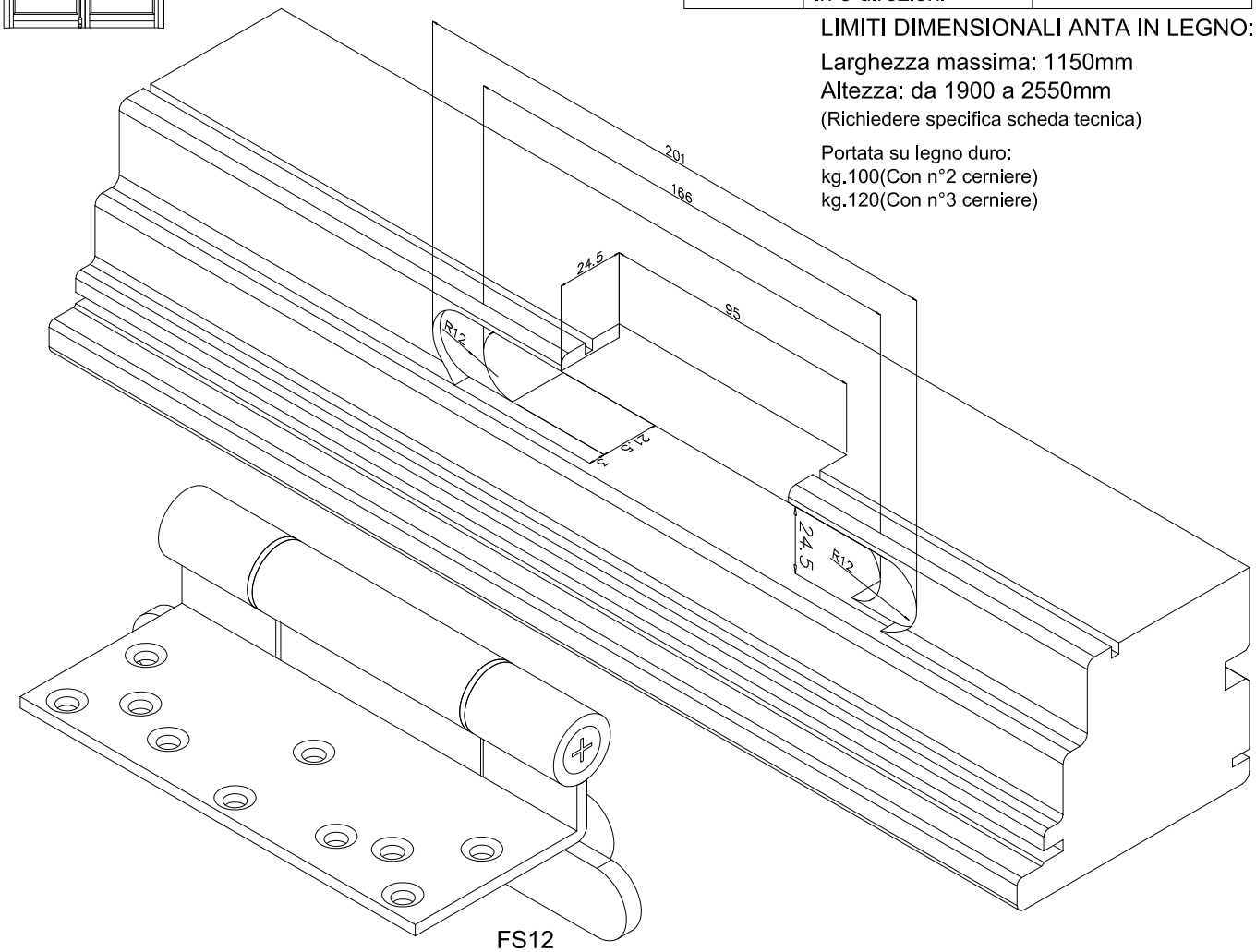


Fasi di montaggio:
1)Chiusura delle clips LC51/6 per bloccaggio telaio alluminio
2)Montaggio DE136 sul telaio
3)Montaggio del montantino in legno

Codice	Descrizione	Materiale/Finitura
FS12 Inox	Cerniera regolabile in 3 direzioni	Acciaio Inox
FS12 9005	Cerniera regolabile in 3 direzioni	Verniciato RAL 9005

LIMITI DIMENSIONALI ANTA IN LEGNO:
Larghezza massima: 1150mm
Altezza: da 1900 a 2550mm
(Richiedere specifica scheda tecnica)

Portata su legno duro:
kg.100(Con n°2 cerniere)
kg.120(Con n°3 cerniere)



FS12

Ⓘ Sezione orizzontale chiusura centrale porta con apertura verso l'esterno
Ⓓ Horizontalschnitt Stulpprofil Tür nach außen öffnend
Ⓔ Sección horizontal del cierre central de puerta con apertura hacia el exterior
Ⓕ Coupe horizontale battement central porte-balcon avec ouverture vers l'extérieur
Ⓤⓚ Horizontal section of the middle clamp with outward opening sash

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Profili alluminio anta *Aluminium sash profiles*	Pag. 69
Profili alluminio montanti/traversi intermedi telaio *Frame mullion and transoms profiles*	Pag. 70
Profili alluminio chiusura centrale *Profiles for central rebate*	Pag. 71
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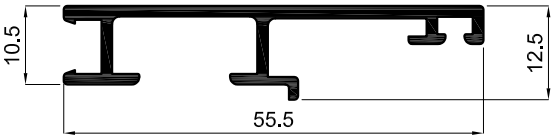
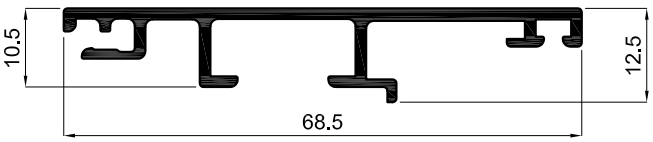
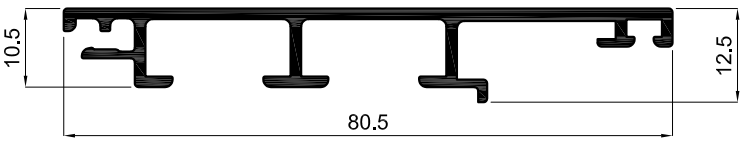


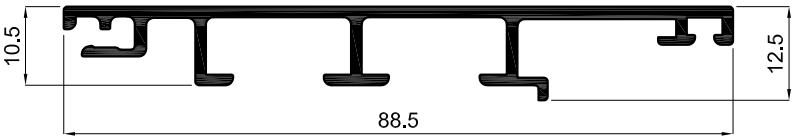
L=55.5mm | LA791 | LA791c con asole per scarico acqua



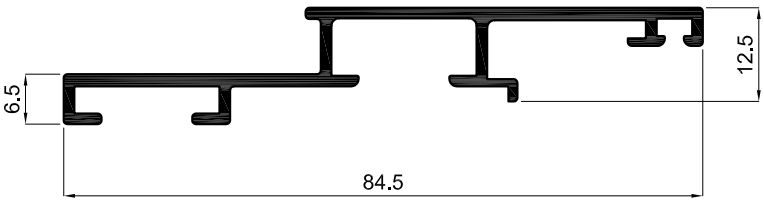
L=68.5mm | LA794 | LA794c con asole per scarico acqua



L=80.5mm | LA746 | LA746c con asole per scarico acqua



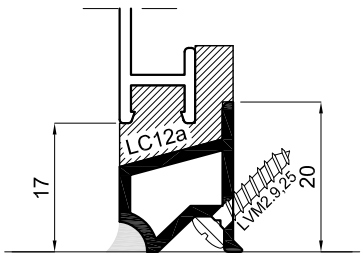
L=88.5mm | LA776 | LA776c con asole per scarico acqua



L=84.5mm | LA883 | LA883c con asole per scarico acqua

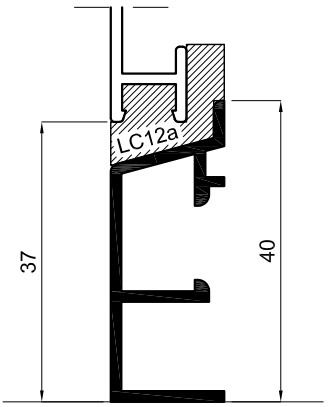
LA786

Terminali in EPDM
LC12A



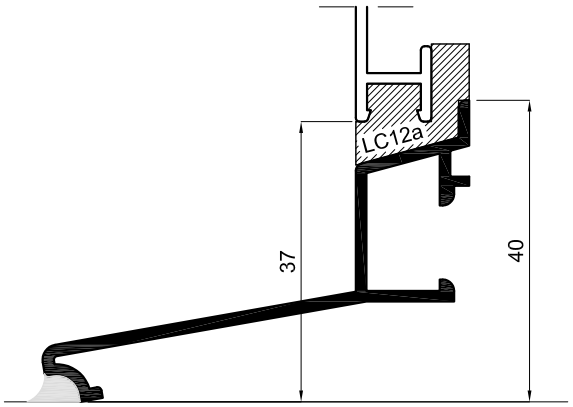
LA162

Terminali in EPDM
LC12A



LA163

Terminali in EPDM
LC12A

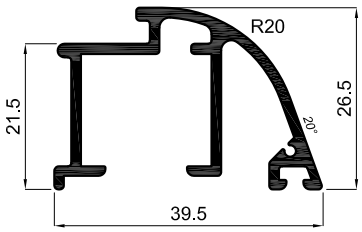


Profili Sistema Bold-Line

uniform

Scala 1:1

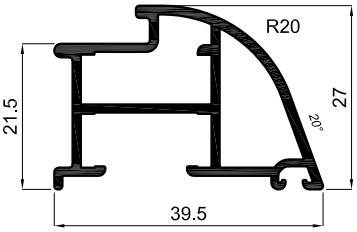
Ⓘ Profili telaio serie Bold-Line
Ⓓ Rahmenprofil für System Bold-Line
Ⓔ Perfiles del marco serie Bold-Line
Ⓕ Profils du dormant de la gamme Bold-Line
Ⓤⓚ Frame profile Bold-Line series



LA1034

L=39.5mm

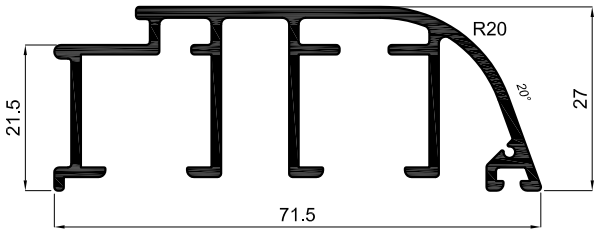
Profilo per anta saldata
Profile to use for welded sash



LA1054

L=39.5mm

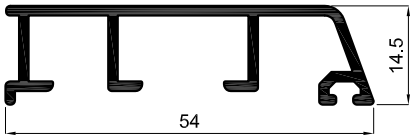
Profilo per anta assemblata meccanicamente
Profile to use for assembled sash



LA1035

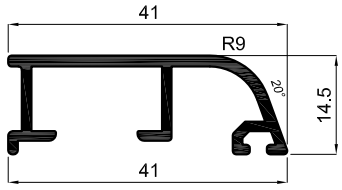
L=71.5mm

Profili per bilico ed apertura esterna



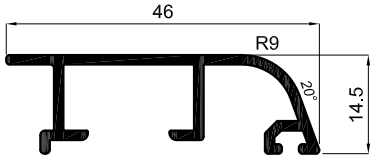
LA176

L=54mm



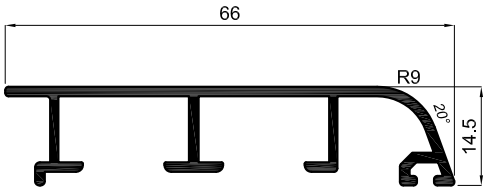
LA283

L=41mm



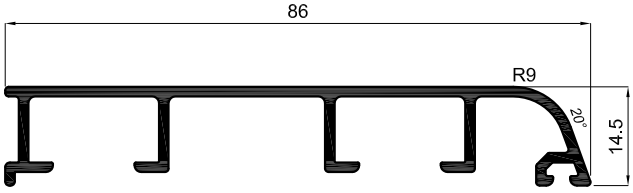
LA863

L=46mm



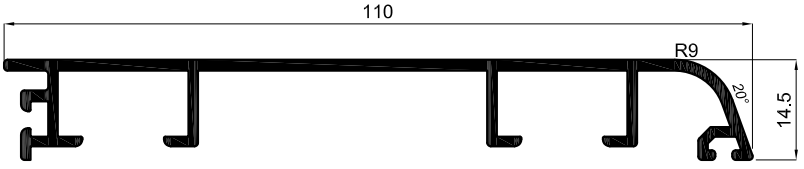
LA808

L=66mm



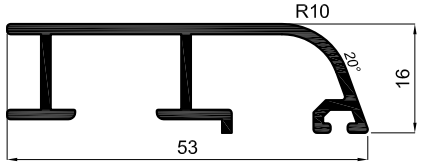
LA834

L=86mm



LA282

L=110mm



LA230

L=53mm

LA142

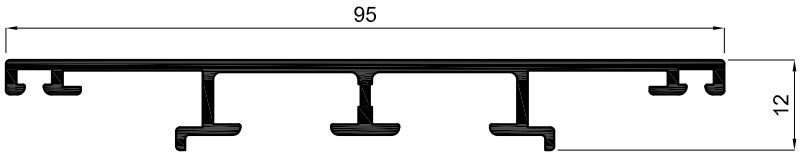
L=120mm

Profili Sistema Bold-Line

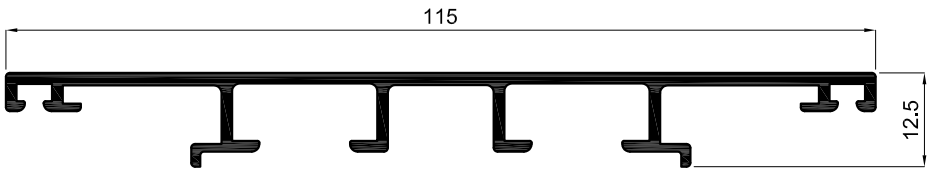
uniform

Scala 0.8:1

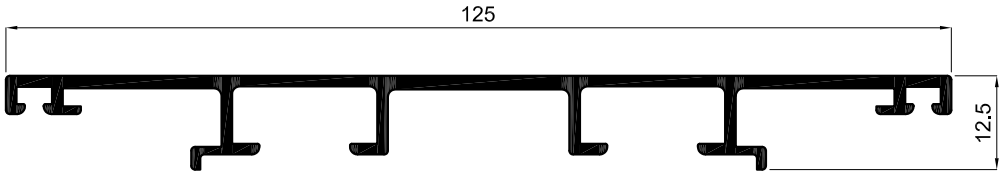
Ⓘ Profili anta in alluminio
Ⓓ Aluflügelprofile
Ⓔ Perfiles de la hoja en aluminio
Ⓕ Profils de l'ouvrant en aluminium
Ⓤⓚ Sash profiles in aluminium



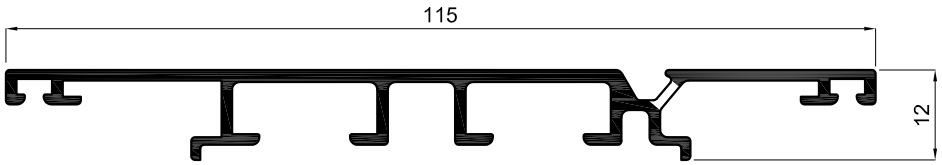
L=95mm LA1021



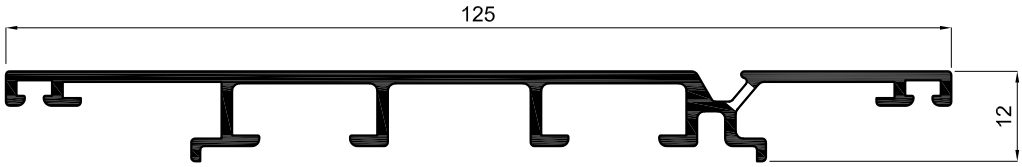
L=115mm LA734



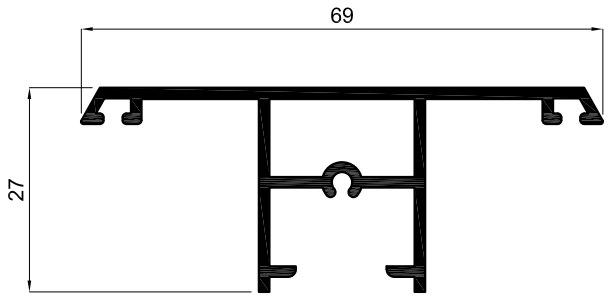
L=125mm LA777



L=115mm LA1022c
con asole per scarico acqua



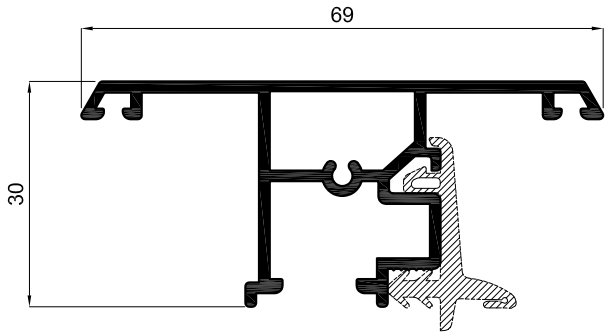
L=125mm LA1023c
con asole per scarico acqua



LA870

L=69mm

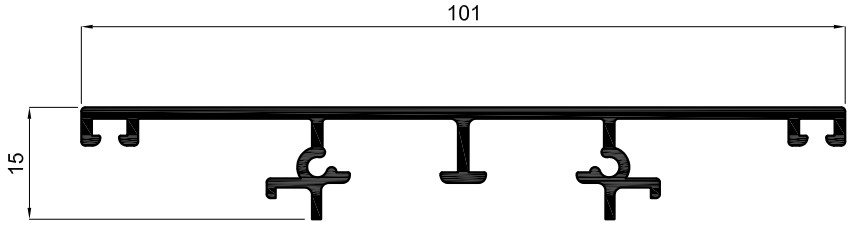
Terminali: LC870/A



LA1032

L=69mm

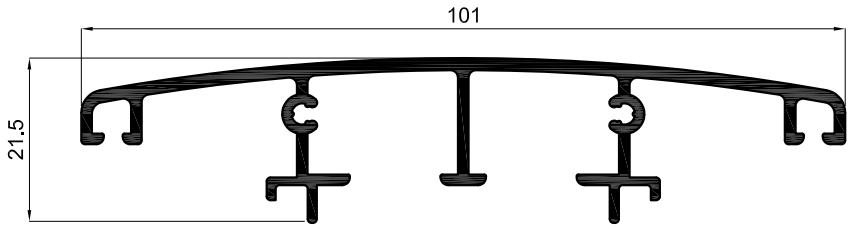
Terminali: LC870/1



LA1033

L=101mm

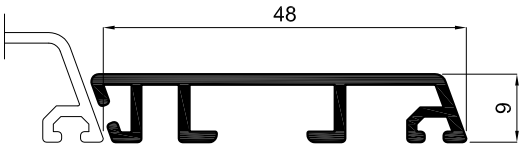
Terminali: LC1033



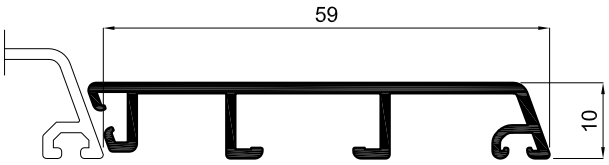
LA1036

L=101mm

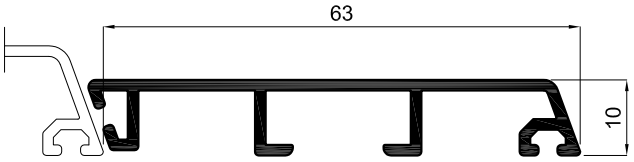
Terminali: LC1036



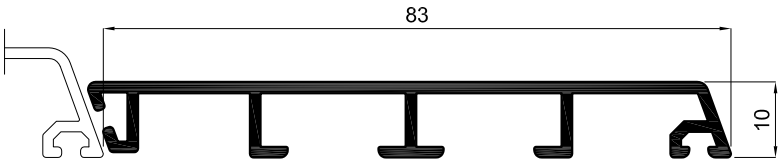
LA316
Modulo=48mm



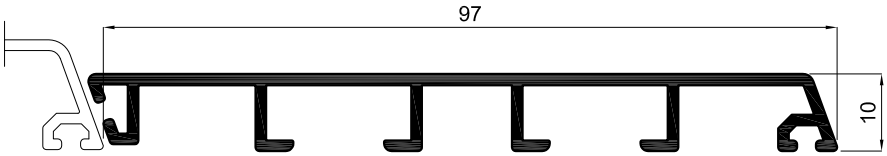
LA811
Modulo=59mm



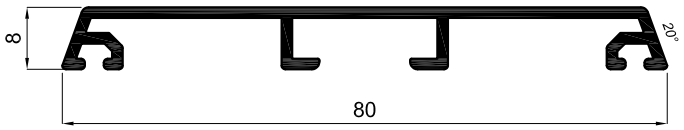
LA191
Modulo=63mm



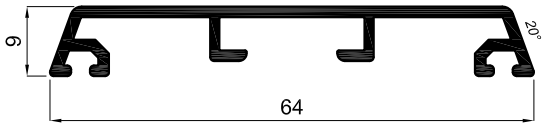
LA898
Modulo=83mm



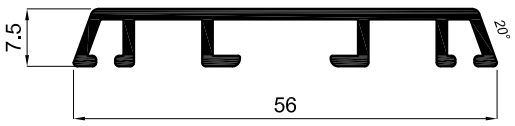
LA204
Modulo=97mm



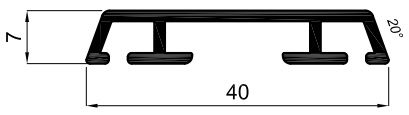
L=80mm LA201



L=64mm LA802



L=56mm LA202



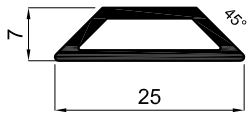
L=40mm LA203

Profili Sistema Bold-Line

uniform

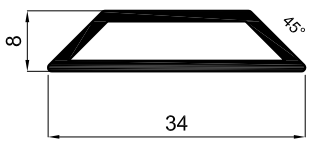
Scala 1:1

Ⓘ Profili per zoccolatura/profili per traversi intermedi anta
Ⓓ Sochelaufdopplungsprofil für Balkontür / Sprossenprofil für Flügel
Ⓔ Perfiles para zócalo / Perfiles para travesaños intermedios de la hoja
Ⓕ Profils pour soubassement / Profils pour traverses intermédiaires de l'ouvrant
Ⓤⓚ Profiles for bottom rails of the sash / Profiles for intermediate rails of the sash



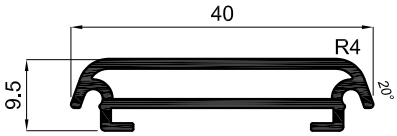
LA137

L=25mm



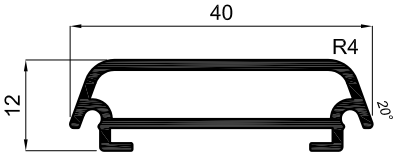
LA198

L=34mm



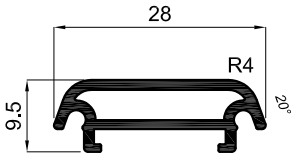
LA244

L=40mm



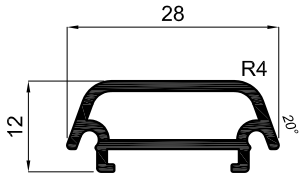
LA245

L=40mm



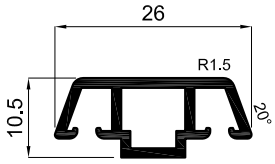
LA246

L=28mm



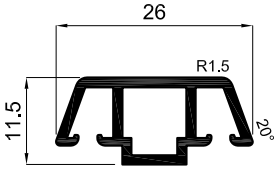
LA243

L=28mm



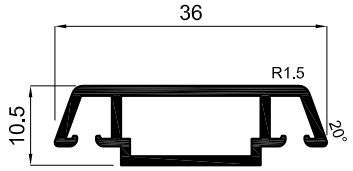
LA803

L=26mm



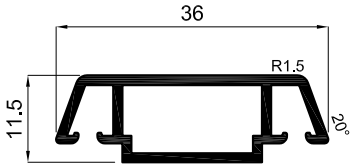
LA804

L=26mm



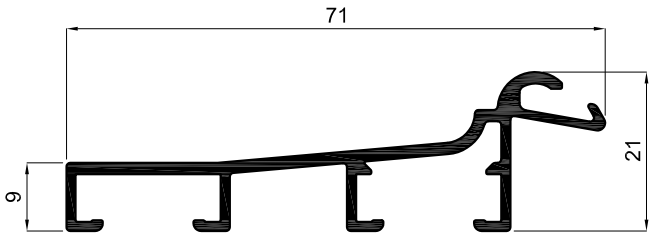
LA805

L=36mm



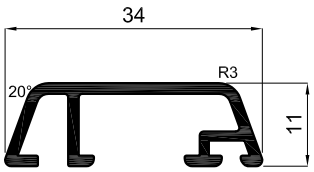
LA806

L=36mm



LA269

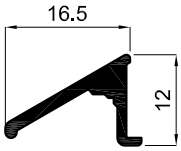
L=71mm



LA1062

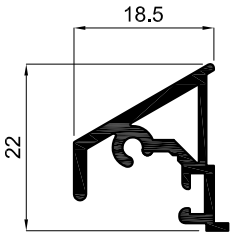
Squadretta per assemblaggio: LS119

L=34mm



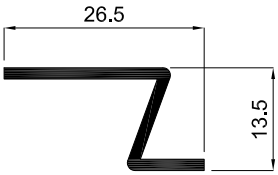
LA837

L=16.5mm



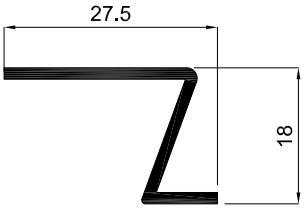
LA742 Terminali LC742

L=18.5mm



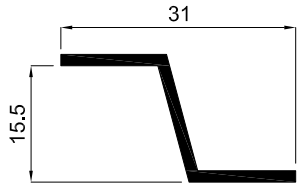
LA156

L=26.5mm



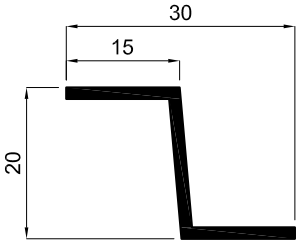
LA156/18

L=27.5mm



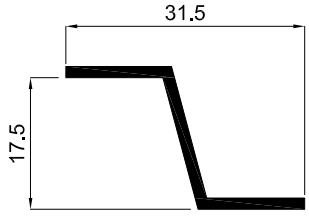
LA157/15

L=31mm



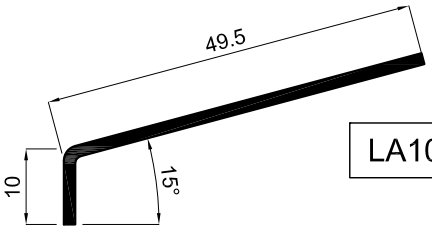
LA144

L=30mm

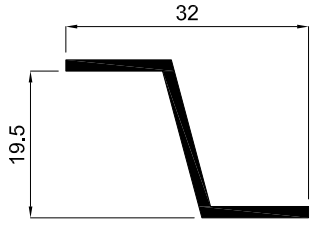


LA157/17

L=31.5mm

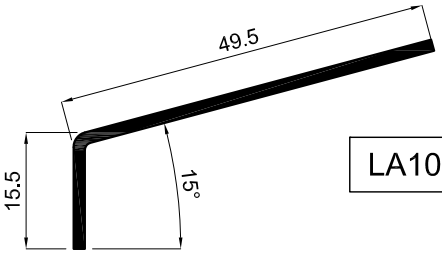


LA1077

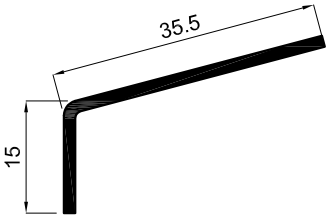


LA157/19

L=32mm



LA1079



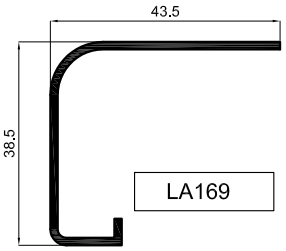
LA1080

Profili vari

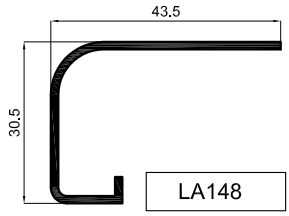
uniform

Scala 1:1

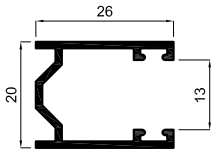
Ⓘ Profili vari
Ⓓ Verschiedene Profile
Ⓔ Perfiles varios
Ⓕ Autres profils
Ⓤⓚ Various aluminium profiles



LA169

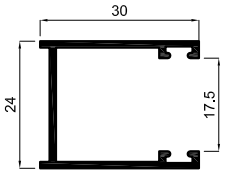


LA148

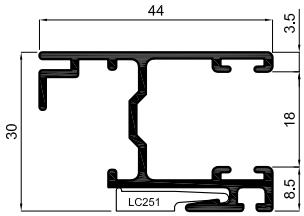


LA207 *

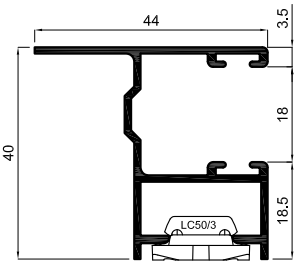
* Non utilizzabile con accessorio LGT



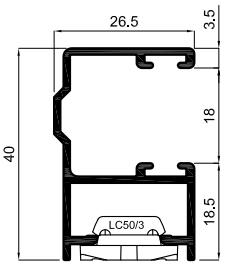
LA11 *



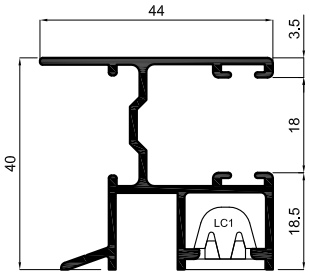
LA251



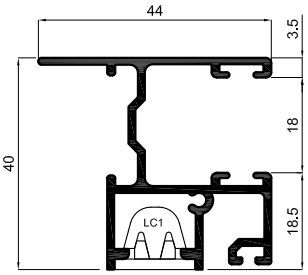
LA174



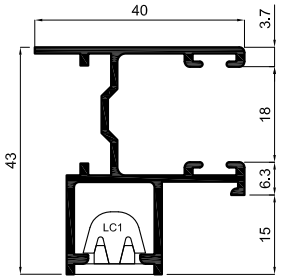
LA800



PA22

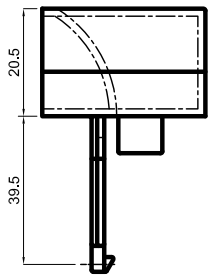


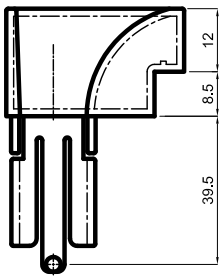
LA226



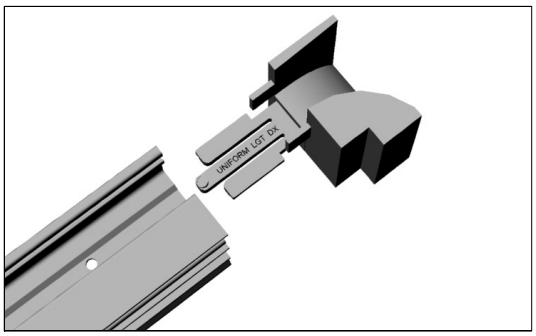
LA182

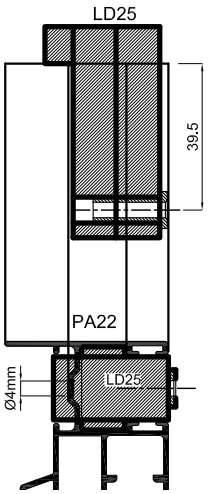
Terminale LGT per guide avvolgibili

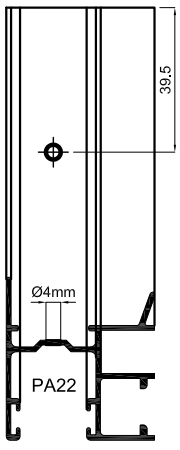


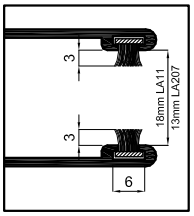


Eseguire foro Ø4mm a 39,5mm con dima LD25



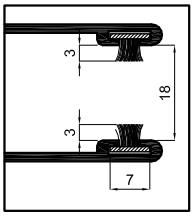






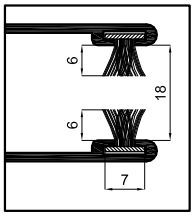
LSP 6

Guarnizione a spazzolino
MATERIALE: Nylon
COLORE: Nero
PROFILO: LA11-LA207



LSP 8

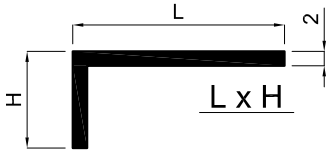
Guarnizione a spazzolino
MATERIALE: Nylon
COLORE: Nero
PROFILO: LA182-LA226-LA251-PA22-LA800



LSP 9

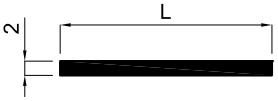
Guarnizione a spazzolino
MATERIALE: Nylon
COLORE: Nero
PROFILO: LA182-LA226-LA251-PA22-LA800

PROFILI ANGOLARI (Alluminio)



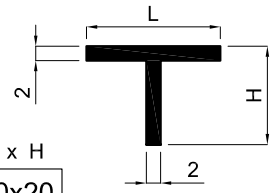
A10x10	A50x20
A15x15	A50x30
A20x10	A60x20
A20x20	A60x30
A25x15	A60x40
A30x15	A80x15
A30x20	A80x20
A30x30	A100x20
A40x15	
A40x20	
A40x40	
A50x15	

PROFILI PIANI (Alluminio)



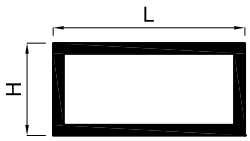
	P30x2	P60x2
P20x2	P40x2	P80x2
P25x2	P50x2	P100x2

PROFILI a " T " (Alluminio)

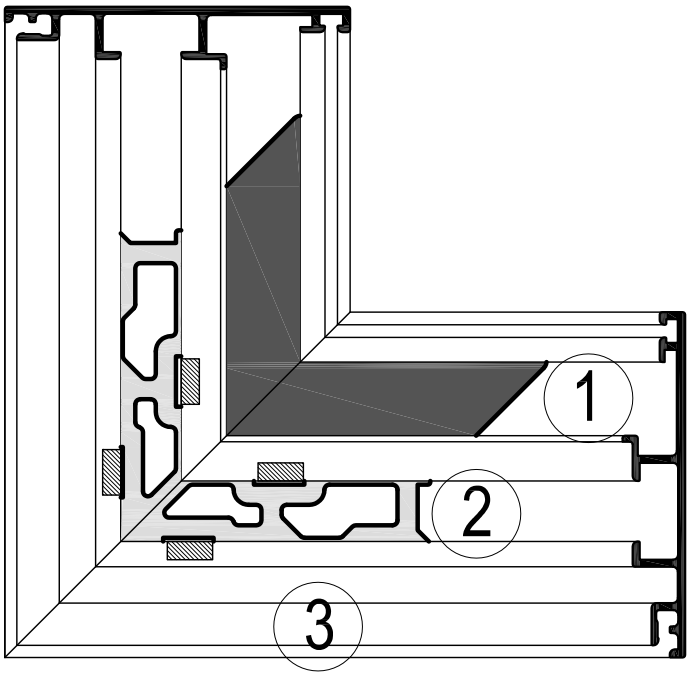


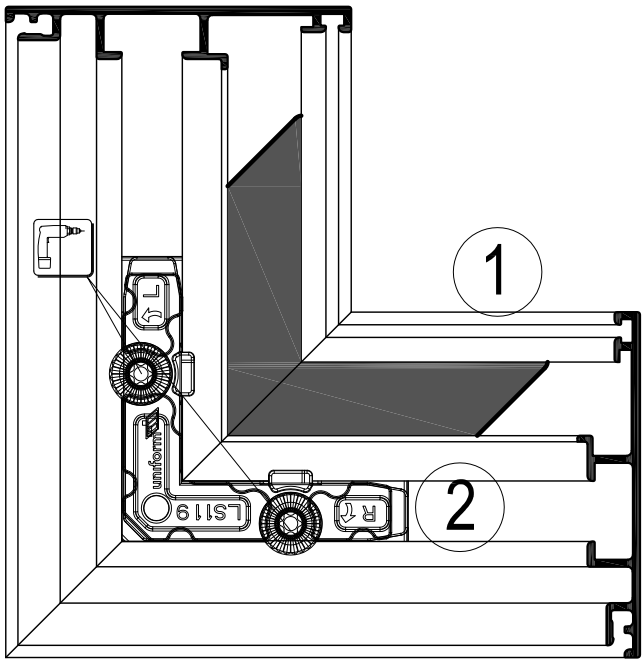
L x H
TT20x20
TT40x15

PROFILI TUBOLARI (Alluminio)



L x H	L x H	L x H
T20x20	T30x15	T30x20
T40x20		





LEGENDA:
Caption

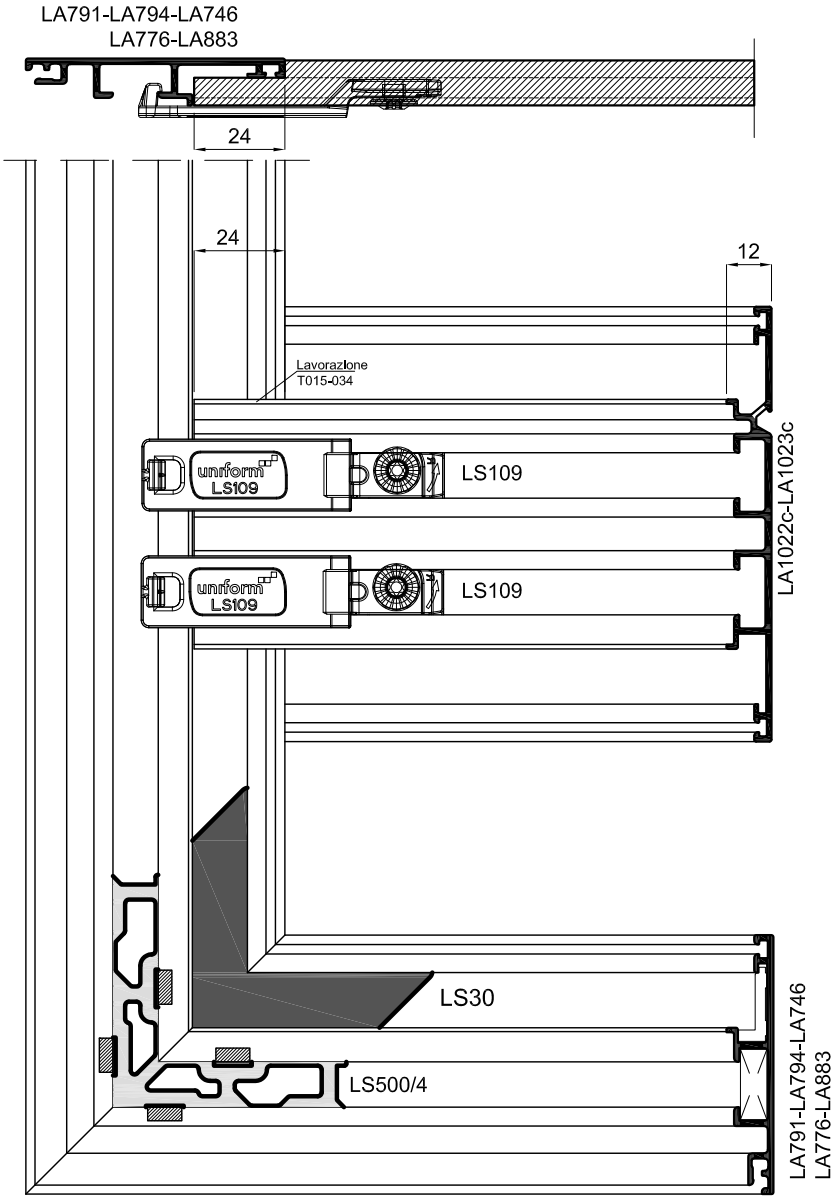
Ⓐ Squadretta per allineamento da incollare
Alignment joint

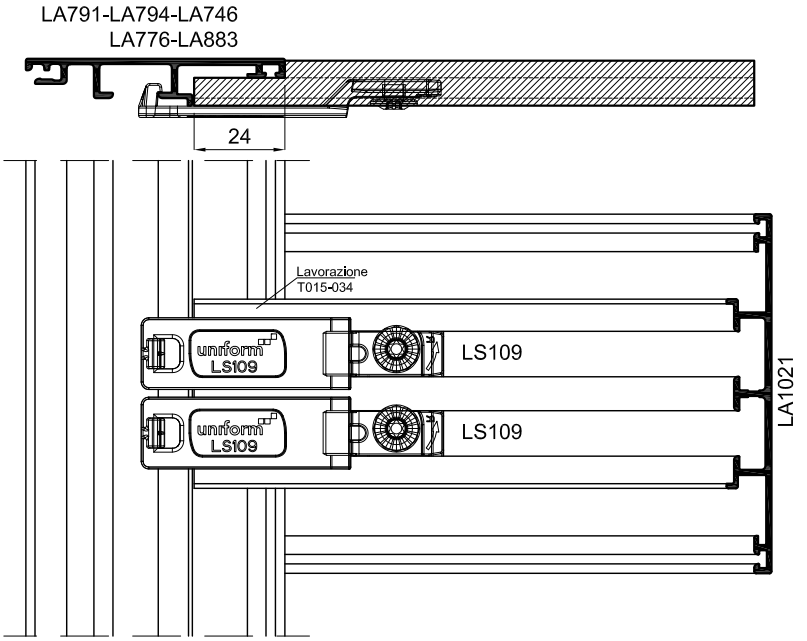
Ⓒ Squadretta da cianfrinare
Processed with pneumatic crimping press

Ⓥ Squadretta per assemblaggio a vite
Screwing joint

Telai in alluminio sistema Bold-Line
Alumium profiles Bold-Line system

Profilo / *Profile*	Cianfrinatrice / *Crimping machine*	Slitta / *Sledge*	Supporto slitta / *Support of the sledge*	Portapunzoni / *Punches platform*	Punzoni / *Punches*	Spessore superiore / *Upper spacer*	1 Squadretta 1 / *Joint 1*	Tipo / *Type*	2 Squadretta 2 / *Joint 2*	Tipo / *Type*	3 Squadretta 3 / *Joint 3*	Tipo / *Type*	4 Squadretta 4 / *Joint 4*	Tipo / *Type*	Squadretta a vite per 45° (in sostituzione sq. Tipo "C") / *Screwable joint for 45° corners (replacing type "C" joints)*	Squadretta a vite per fuorisquadra (in sostituzione sq. Tipo "C") / *Screwable joint for oblique corners (replacing type "C" joints)*
LA746	LACV-98	LAC SL15	-	MVX42603	LAPZ UNI	LAC SP2,5	LS30	A	LS500/4	C	LS500/4	C	-		LS119	LS96
LA776	LACV-98	LAC SL15	-	MVX42603	LAPZ UNI	LAC SP2,5	LS30	A	LS500/4	C	LS500/4	C	-		LS119	LS96
LA791	LACV-98	LAC SL15	-	MVX42603	LAPZ UNI	LAC SP2,5	LS30	A	LS500/4	C	-		-		LS119	LS96
LA794	LACV-98	LAC SL15	-	MVX42603	LAPZ UNI	LAC SP2,5	LS30	A	LS500/4	C	-		-		LS119	LS96
LA883	LACV-98	LAC SL15	LAC SS181	MVX42603	LAPZ UNI	LAC SP2,5	LS30	A	LS500/4	C	LS22	A	-		LS119	LS96



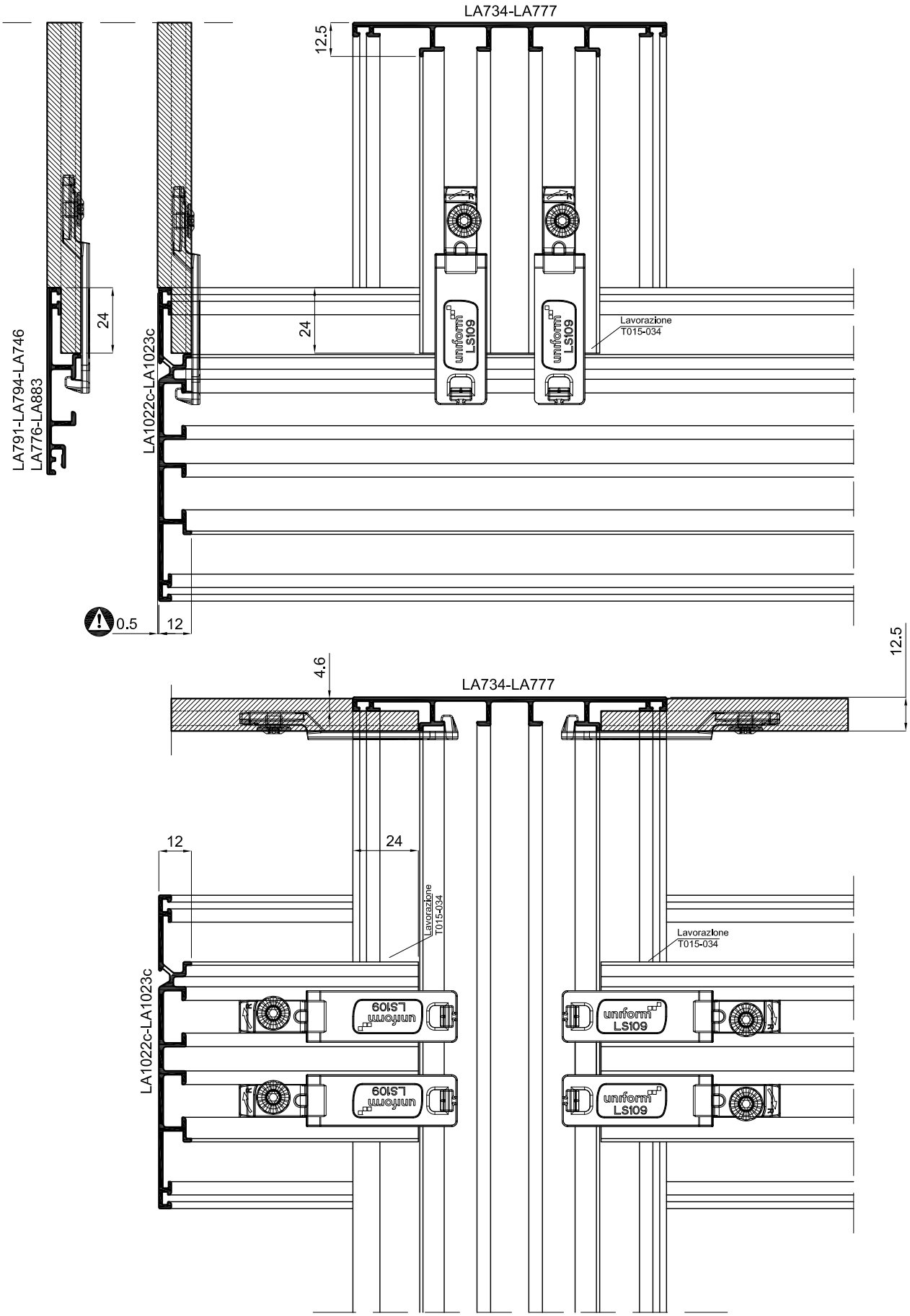


Assemblaggi Sistema Bold-Line

uniform

Scala 1:2

Ⓘ Profili serie Bold-Line
Ⓓ Profil für System Bold-Line
Ⓔ Perfiles serie Bold-Line
Ⓕ Profils de la gamme Bold-Line
Ⓤⓚ Profile Bold-Line series

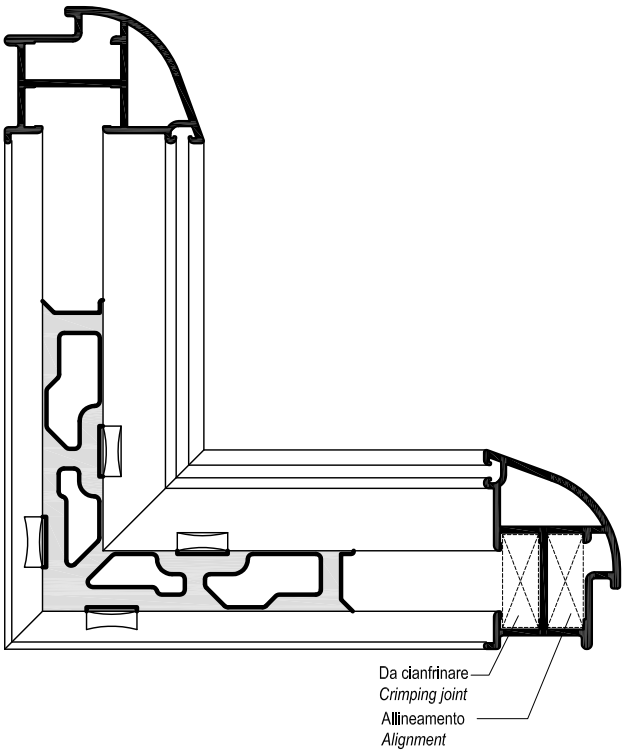


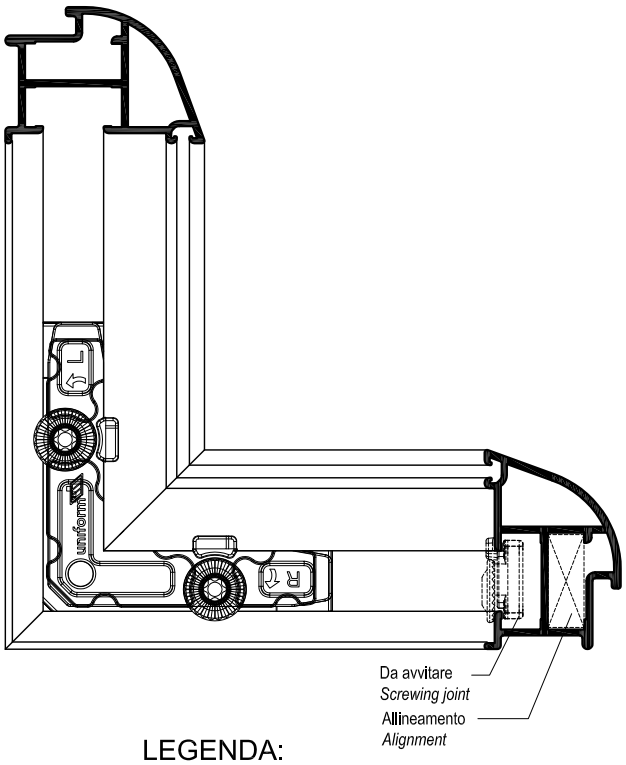
Assemblaggi Sistema Bold-Line

uniform

Scala 1:2

Ⓘ Profili serie Bold-Line
Ⓓ Profil für System Bold-Line
Ⓔ Perfiles serie Bold-Line
Ⓕ Profils de la gamme Bold-Line
Ⓤ Profile Bold-Line series





LEGENDA:
Caption

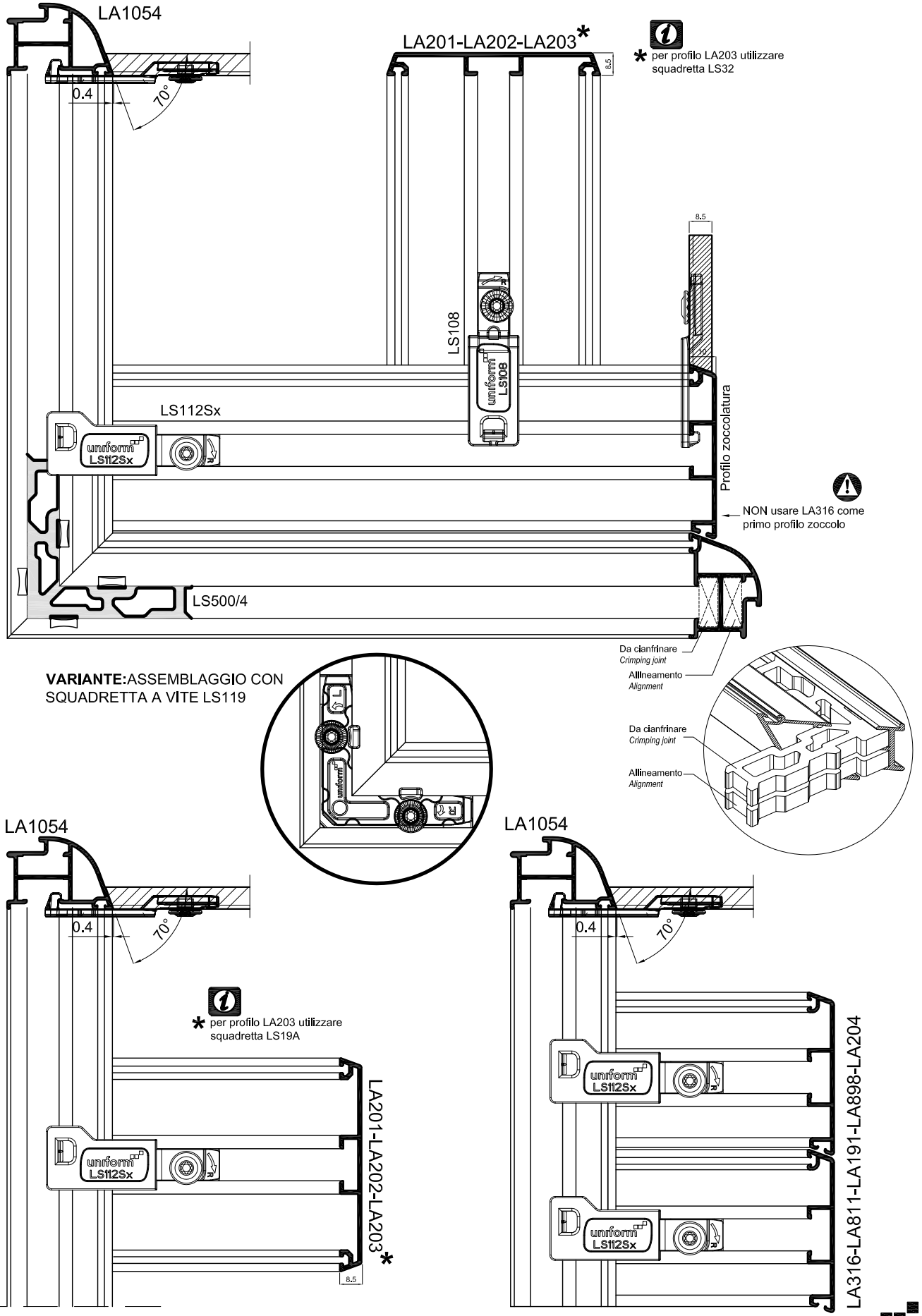
Ⓐ Squadretta per allineamento da incollare
Alignment joint

Ⓒ Squadretta da cianfrinare
Processed with pneumatic crimping press

Ⓥ Squadretta per assemblaggio a vite
Screwing joint

Ante in alluminio sistema Bold-Line
Alumium sash profiles Bold-Line system

Profilo / *Profile*	Cianfrinatrice / *Crimping machine*	Slitta / *Sledge*	Supporto slitta / *Support of the sledge*	Portapunzoni / *Punches platform*	Punzoni / *Punches*	Spessore superiore / *Upper spacer*	① Squadretta 1 / *Joint 1*	Tipo / *Type*	② Squadretta 2 / *Joint 2*	Tipo / *Type*	③ Squadretta 3 / *Joint 3*	Tipo / *Type*	④ Squadretta 4 / *Joint 4*	Tipo / *Type*	Squadretta a vite per 45° (in sostituzione sq. Tipo "C") / *Screwable joint for 45° corners (replacing type "C" joints)*	Squadretta a vite per fuorisquadra (in sostituzione sq. Tipo "C") / *Screwable joint for oblique corners (replacing type "C" joints)*
LA142	LACV-98	LAC SL15	-	MVX42603	LAPZ UNI	-	LS3	C	LS3	C	-		-		LS119	LS96
LA282	LACV-98	LAC SL15	-	MVX42603	LAPZ UNI	LAC SP4,5	LS500/9	C	LS500/9	C	-				LS119	LS96
LA834	LACV-98	LAC SL15	-	MVX42603	LAPZ UNI	LAC SP4,5	LS500/9	C	LS500/9	C	-				LS119	LS96
LA1035	LACV-98	LACSL10	LAC SS477	MVX42603	LAPZ UNI	LAC SP10	LS20	A	LS500/13	C	LS500/13	C	-		LS119	LS96
LA1054	LACV-98	LACSL-10	LAC SS477	MVX42603	LAPZ UNI	LAC SP11	LS500/4	A	LS500/4	C	-		-		LS119	LS96

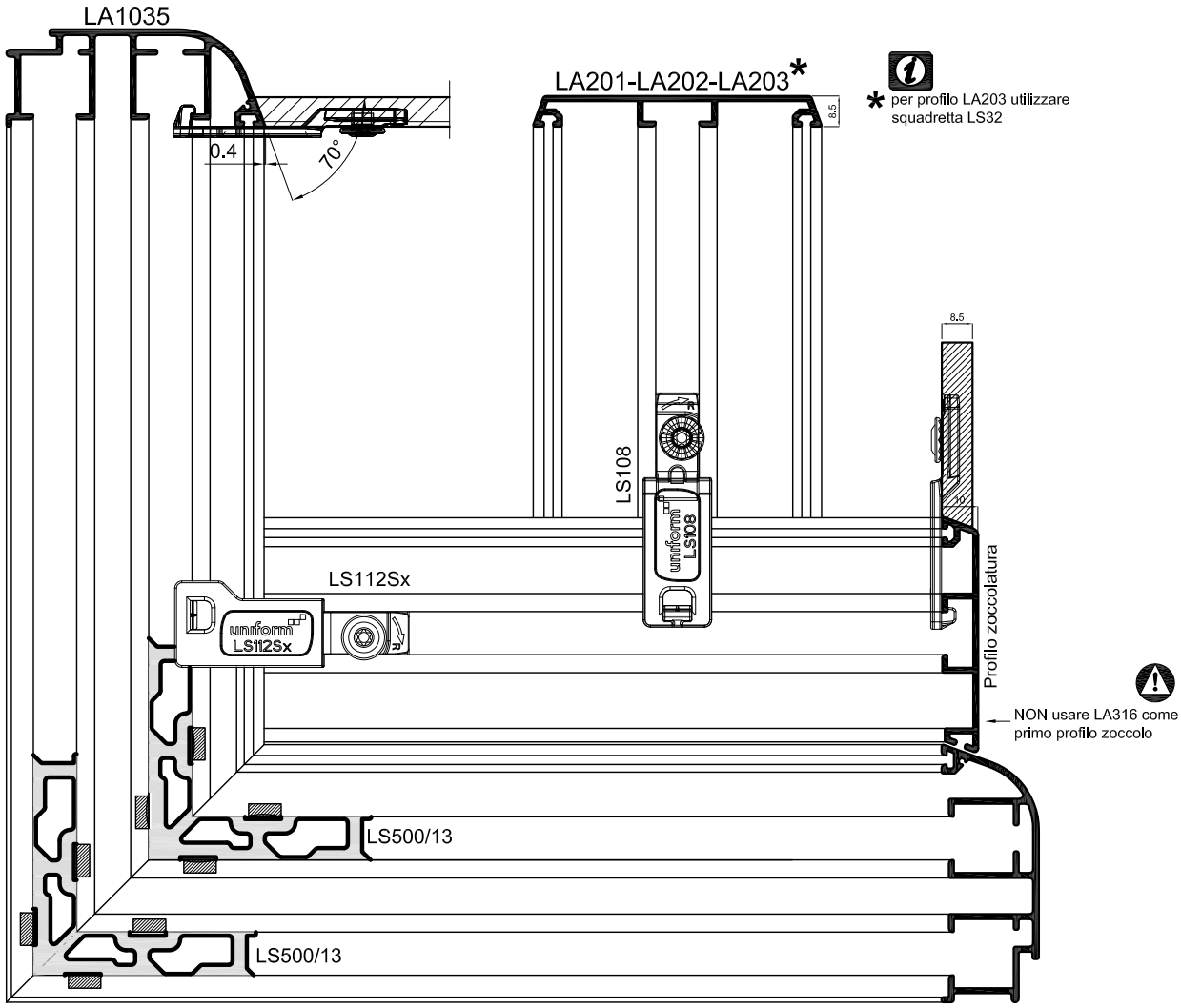


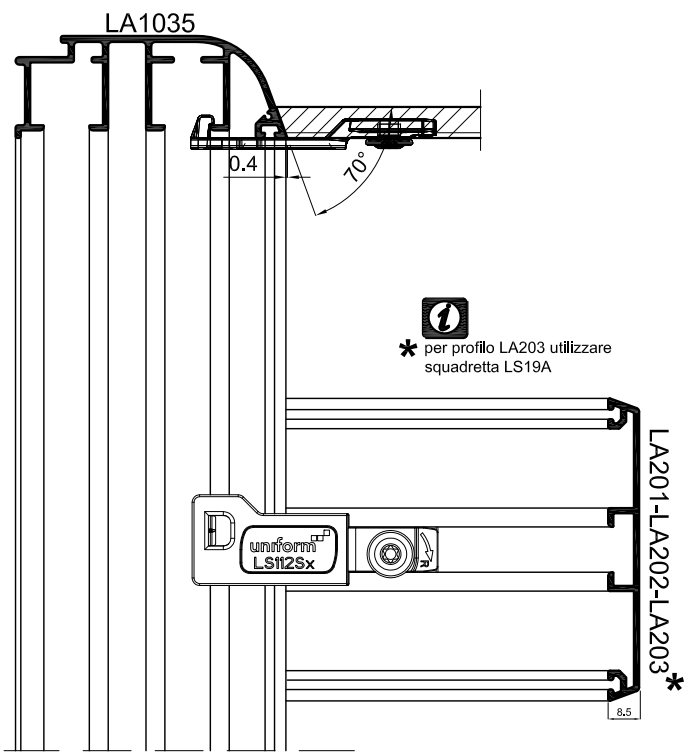
Assemblaggi Sistema Bold-Line

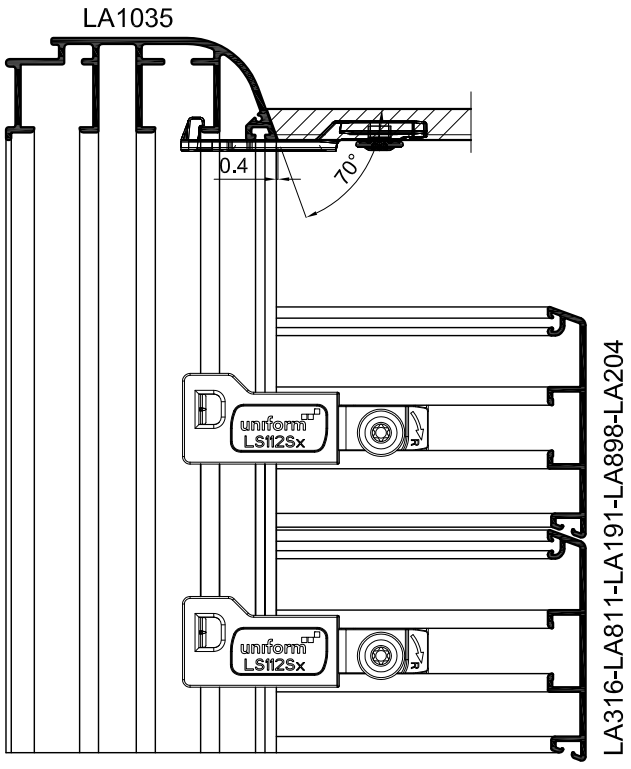
uniform

Scala 1:2

Ⓘ Profili serie Bold-Line
Ⓓ Profil für System Bold-Line
Ⓔ Perfiles serie Bold-Line
Ⓕ Profils de la gamme Bold-Line
Ⓤ Profile Bold-Line series





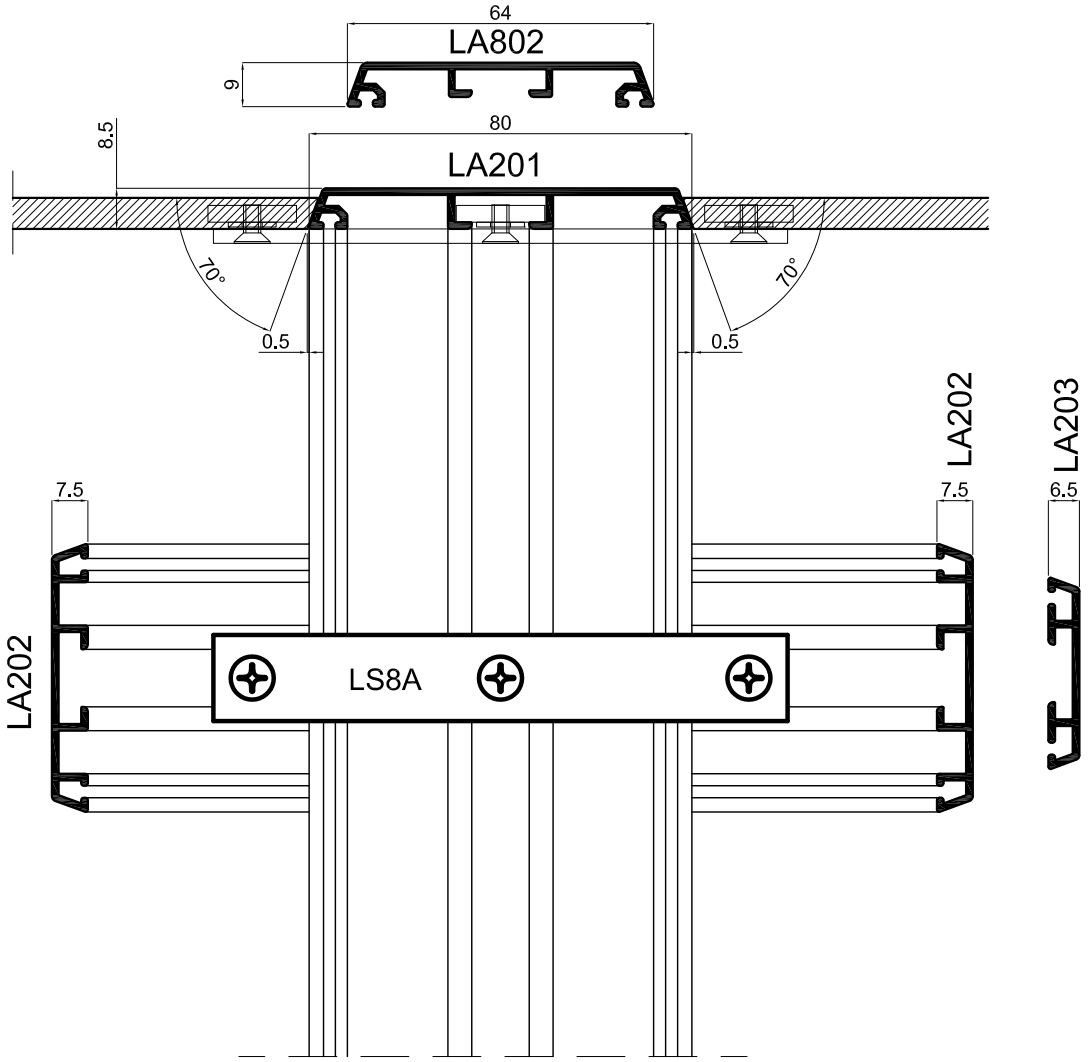


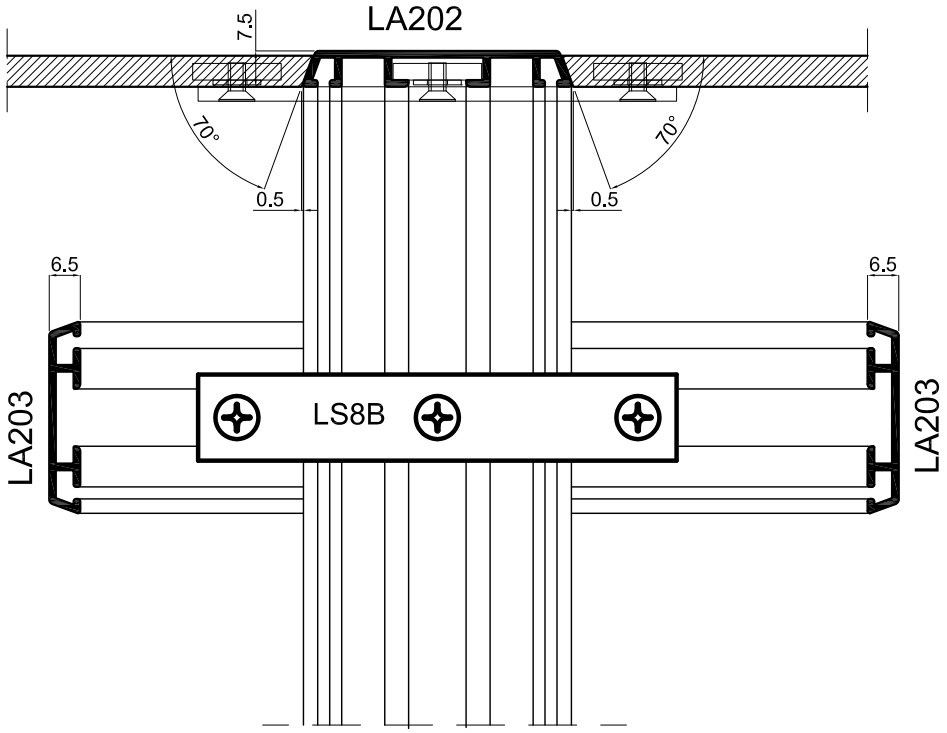
Assemblaggi Sistema Bold-Line

uniform

Scala 1:2

Ⓘ Profili serie Bold-Line
Ⓓ Profil für System Bold-Line
Ⓔ Perfiles serie Bold-Line
Ⓕ Profils de la gamme Bold-Line
Ⓤⓚ Profile Bold-Line series



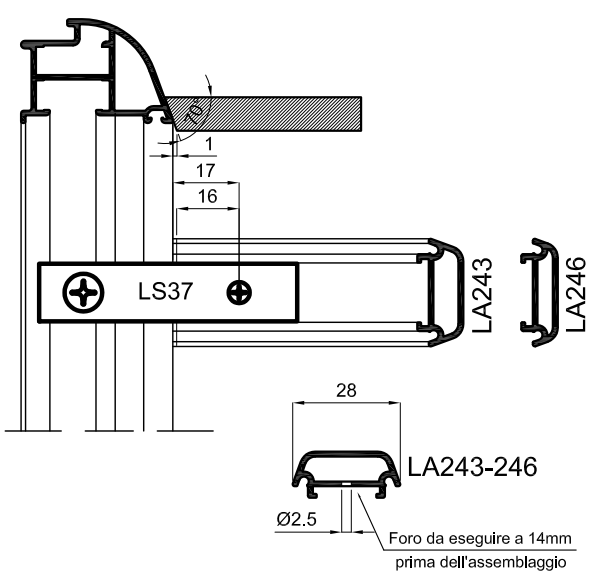


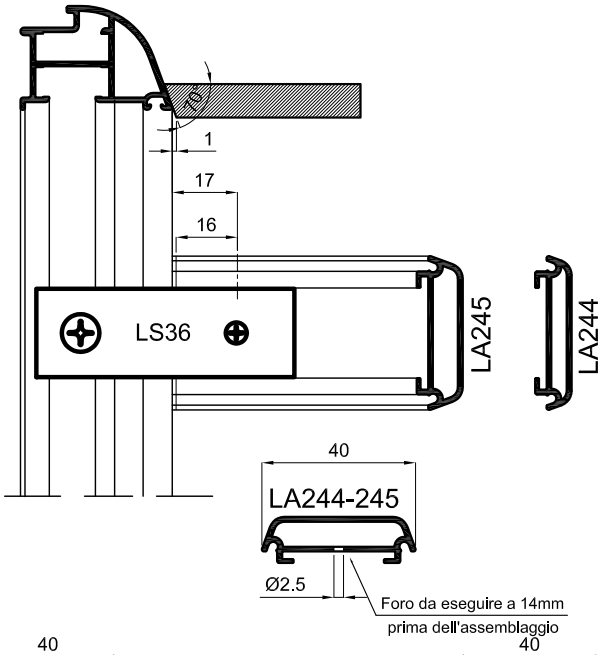
Assemblaggi Sistema Bold-Line

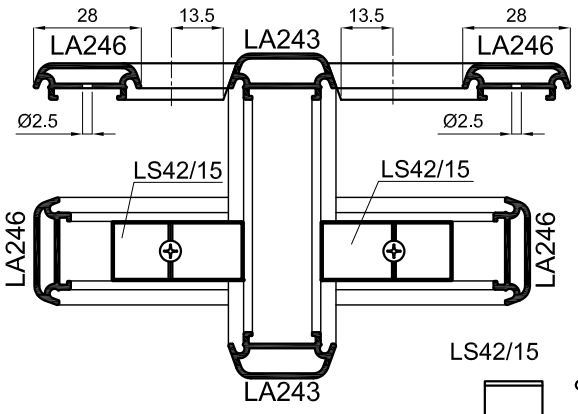
uniform

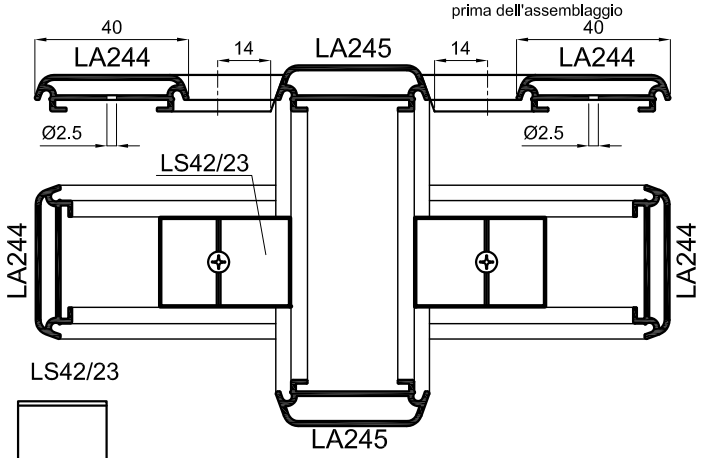
Scala 1:2

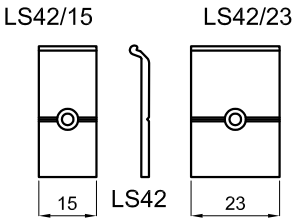
Ⓘ Profili serie Bold-Line
Ⓓ Profil für System Bold-Line
Ⓔ Perfiles serie Bold-Line
Ⓕ Profils de la gamme Bold-Line
Ⓤⓚ Profile Bold-Line series

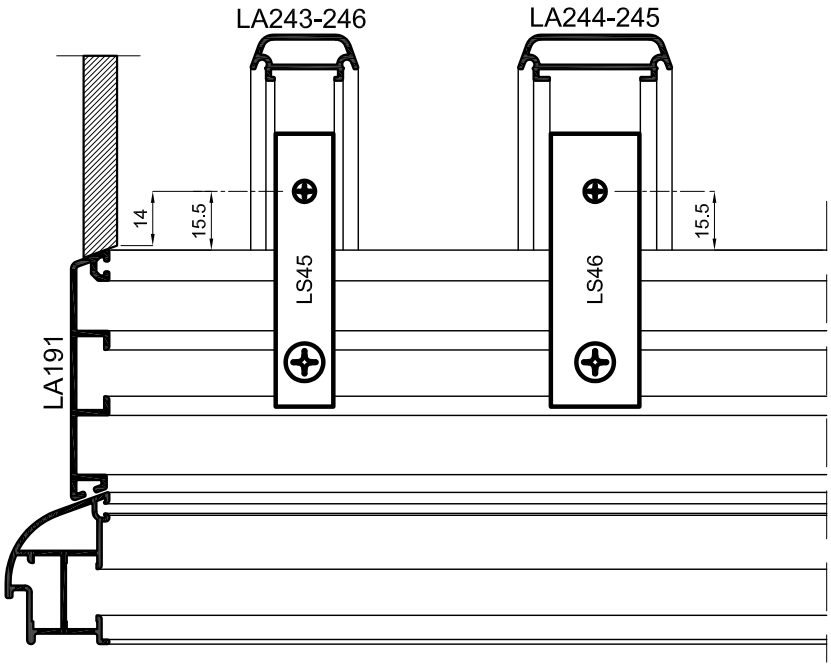

10
1
17
16
LS37
LA243
LA246
28
LA243-246
Ø2.5
Foro da eseguire a 14mm
prima dell'assemblaggio


10
1
17
16
LS36
LA245
LA244
40
LA244-245
Ø2.5
Foro da eseguire a 14mm
prima dell'assemblaggio

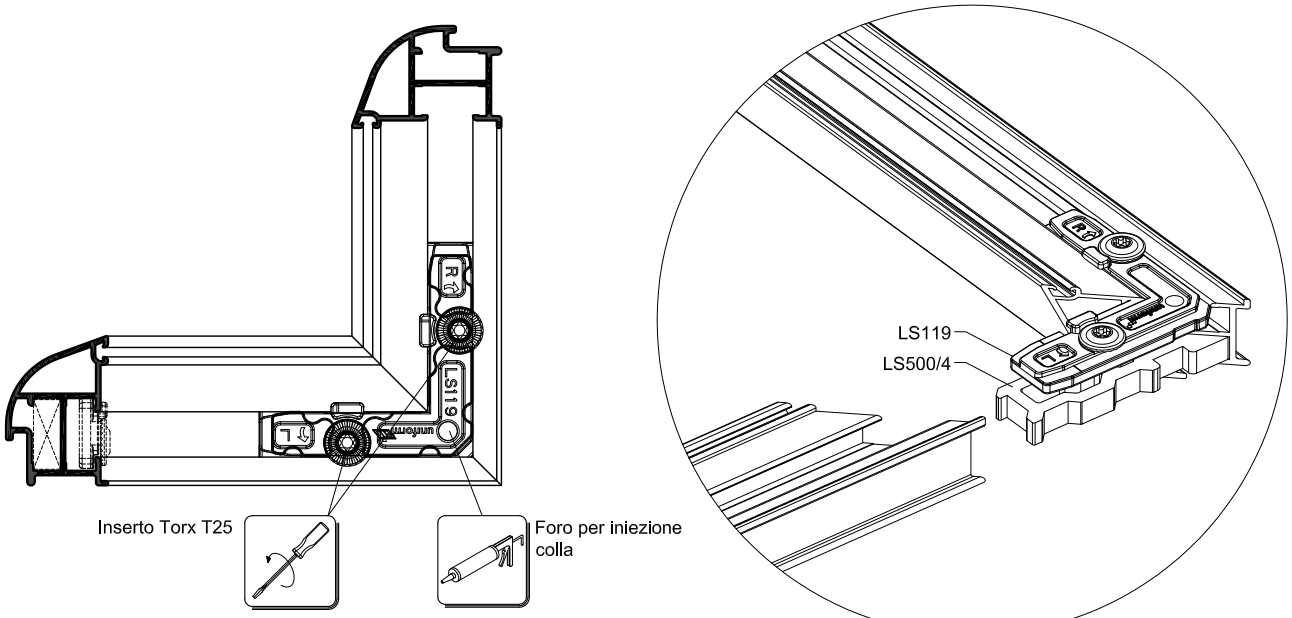

28
13.5
13.5
28
LA246
LA243
LA246
Ø2.5
Ø2.5
LS42/15
LS42/15
LA246
LA246
LA243

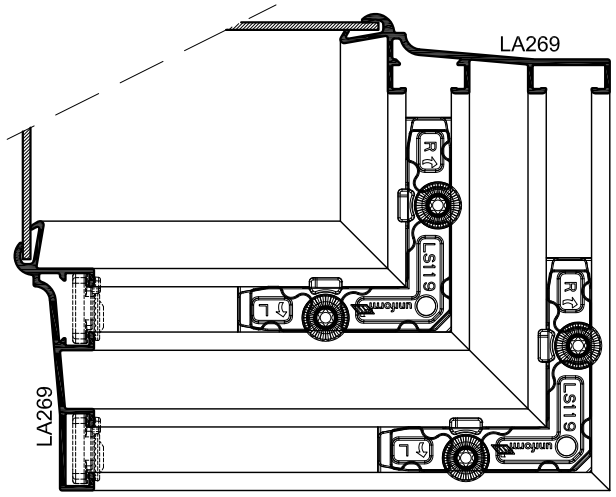

40
14
14
40
LA244
LA245
LA244
Ø2.5
Ø2.5
LS42/23
LA244
LA244
LA245


LS42/15
LS42/23
15
LS42
23

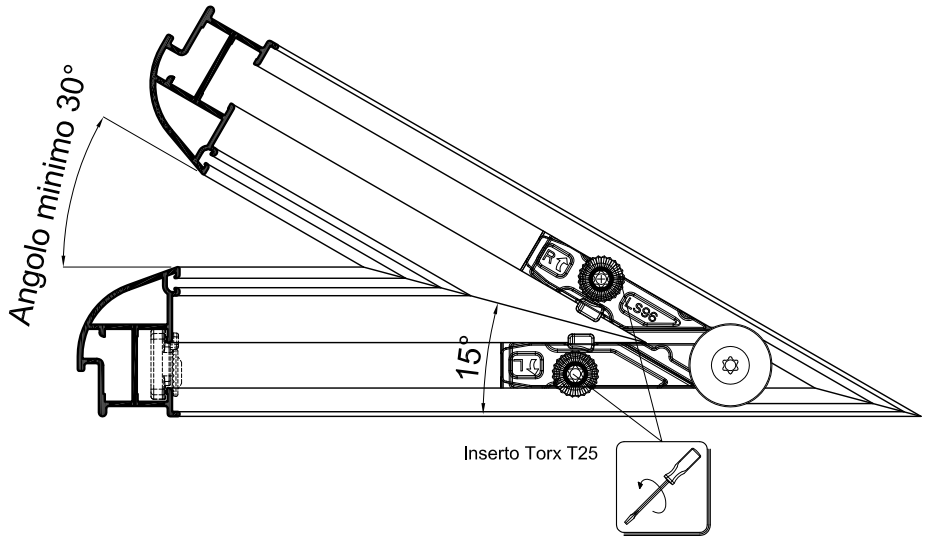

LA243-246
LA244-245
14
15.5
15.5
LS45
LS46
LA191

LS119: Squadretta per l'assemblaggio a vite dei profili a 45°



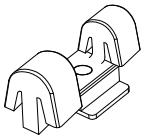


LS96: Squadretta per l'assemblaggio a vite dei profili con angolo fuori squadra



LC1

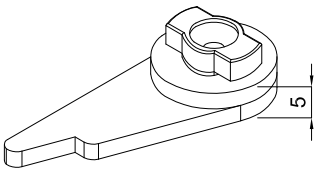
Confezione/*Package*:
100 pz.
1000 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Bianco/*white*
Clip a scatto da avvitare/Snap *clip*

LC4

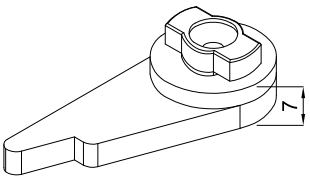
Confezione/*Package*:
300 pz.
1000 pz.
3000 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Nero/*Black*
Clip a vite girevole/*Pivot clip*

LC4/7

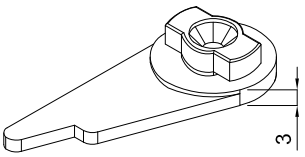
Confezione/*Package*:
300 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Nero/*Black*
Clip a vite girevole/*Pivot clip*

LC5

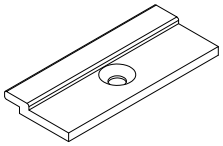
Confezione/*Package*:
100 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Nero/*Black*
Clip a vite girevole/*Pivot clip*

LC7

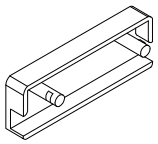
Confezione/*Package*:
150 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Nero/*Black*
Clip a scatto/*Clip holder*

LC11

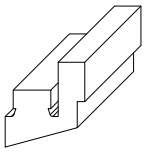
Confezione/*Package*:
100 pz.



Materiale/*Material*: ABS
Colore/*Colour*: Nero-Bianco/*Black-White*
Terminale per scarico acqua/Water *drainage slot water*

LC12A

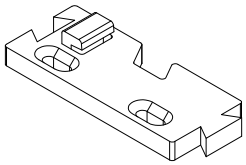
Confezione/*Package*:
50 pz.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*
Terminale laterale/*End cap*

LC19

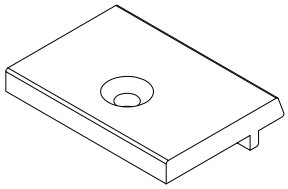
Confezione/*Package*:
100 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Nero/*Black*
Clip a scatto/H*o*lder

LC22

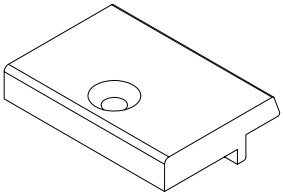
Confezione/*Package*:
100 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Nero/*Black*
Fermo per vetro/*Glass support*

LC22A

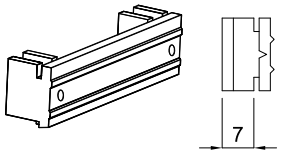
Confezione/*Package*:
100 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Nero/*Black*
Fermo per vetro/*Glass support*

LC23/7

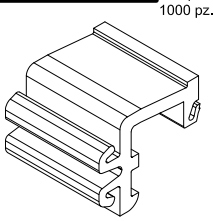
Confezione/*Package*:
100 pz.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*
Tappo per LA883/*End cap*

LC25

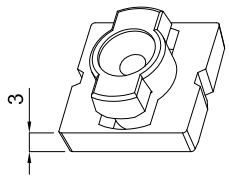
Confezione/*Package*:
50 pz.
200 pz.
1000 pz.



Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Bianco/*White*
Clip a scatto senza vite/*Snap clip without screws*

LC26/3

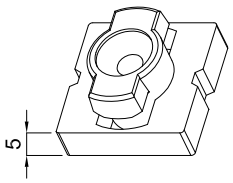
Confezione/*Package*:
300 pz.



Materiale/*Material*: POM
Colore/*Colour*: Nero/*Black*
Clip a vite girevole/*Pivot clip*

LC26/5

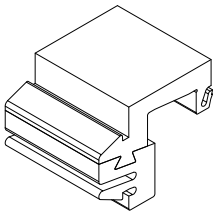
Confezione/*Package*:
300 pz.



Materiale/*Material*: POM
Colore/*Colour*: Nero/*Black*
Clip a vite girevole/*Pivot clip*

LC31A

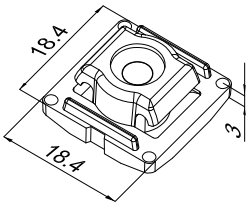
Confezione/*Package*:
1000 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Nero/*Black*
Clip a scatto senza vite/*Snap clip without screws*

LC50/3

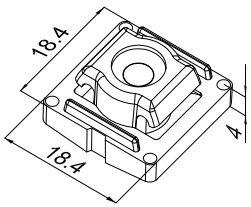
Confezione/*Package*:
300 pz.



Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Bianco/*White*
Clip a scatto/*Snap clip*

LC50/4

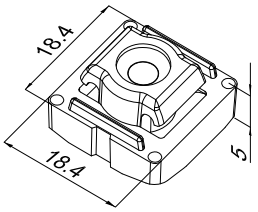
Confezione/*Package*:
300 pz.



Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Bianco/*White*
Clip a scatto/*Snap clip*

LC50/5

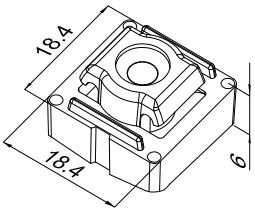
Confezione/*Package*:
300 pz.



Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Bianco/*White*
Clip a scatto/*Snap clip*

LC50/6

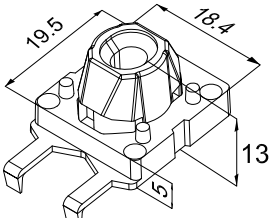
Confezione/*Package*:
300 pz.



Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Bianco/*White*
Clip a scatto/*Snap clip*

LC50/A

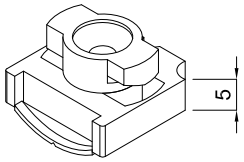
Confezione/*Package*:
300 pz.
3500 pz.



Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Bianco/*White*
Clip a scatto/*Snap clip*

LC51

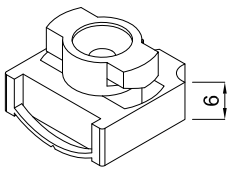
Confezione/*Package*: 300 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Nero/*Black*
Clip a vite girevole/*Pivot clip*

LC51/6

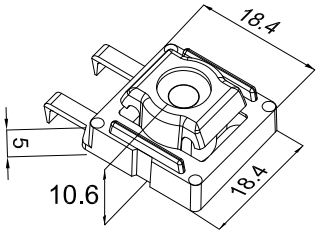
Confezione/*Package*: 300 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Marrone/*Brown*
Clip a scatto girevole/*Pivot clip*

LC50/M

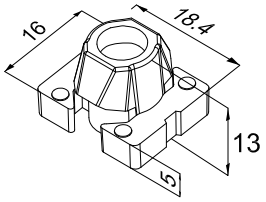
Confezione/*Package*: 300 pz.
3500 pz.



Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Bianco/*White*
Clip a scatto/*Snap clip*

LC62

Confezione/*Package*: 300 pz.
5000 pz.

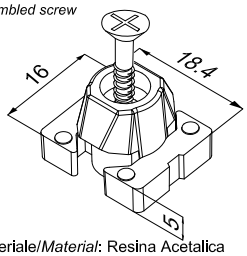


Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Nero/*Black*
Clip a scatto/*Snap clip*

LC62-V

Confezione/*Package*: 300 pz.
1000 pz.

vite pre-montata
assembled screw

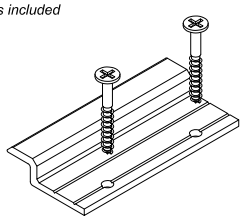


Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Nero/*Black*
Clip a scatto/*Snap clip*

LC73/A

Confezione/*Package*: 20 pz.
150 pz.

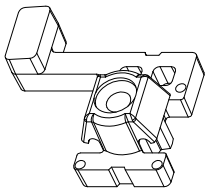
viti incluse
screws included



Materiale/*Material*: Alluminio
Colore/*Colour*: Grezzo/*Raw*
Fermo per vetro/Glass support

LC80

Confezione/*Package*: 300 pz.
500 pz.

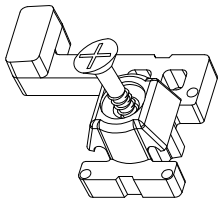


Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Nero/*Black*
Clip a scatto/*Snap clip*

LC80-V

Confezione/*Package*: 300 pz.
500 pz.

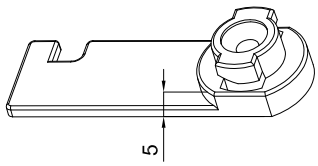
vite pre-montata
assembled screw



Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Bianco/*White*
Clip a scatto/*Snap clip*

LC81

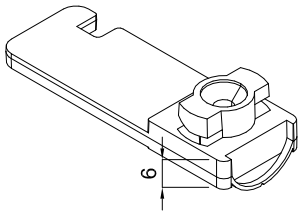
Confezione/*Package*: 300 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Nero/*Black*
Clip a vite girevole/Pivot clip

LC81/6A

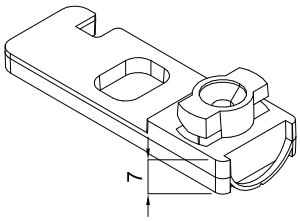
Confezione/*Package*: 300 pz.



Materiale/*Material*: Nylon
Colore/*Colour*: Marrone/*Brown*
Clip a vite girevole/Pivot clip

LC81/7A

Confezione/*Package*: 300 pz.

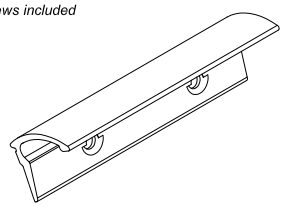


Materiale/*Material*: Nylon
Colore/*Colour*: Grigio/*Gray*
Clip a vite girevole/Pivot clip

LC86

Confezione/*Package*: 1 pz.

viti incluse
screws included

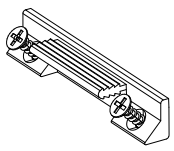


Materiale/*Material*: Alluminio/*Alluminium*
Colore/*Colour*: B15-B20-A1K-RAL9016
Maniglia fissa esterna/*External fixed handle*

LC101

Confezione/*Package*: 100 pz.

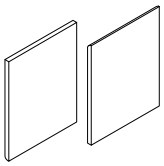
viti incluse
screws included



Materiale/*Material*: Nylon
Colore/*Colour*: Nero/*Black*
Clip porta fermavetro/Glass bead clip

LC118

Confezione/*Package*: 50 coppie

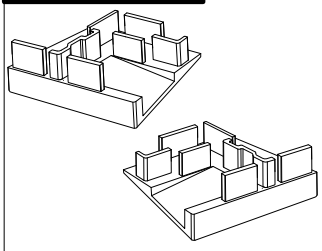


Materiale/*Material*: Nylon
Colore/*Colour*: Nero/*Black*
Terminali per LA1032-LA1033/End caps

LC226

Coppia *Pair*

Confezione/*Package*: 20 coppie



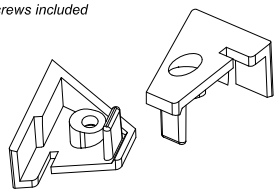
Materiale/*Material*: ABS
Colore/*Colour*: Nero-Bianco/Black-*White*
Terminali per LA226/End caps

LC742

Coppia *Pair*

Confezione/*Package*: 20 coppie

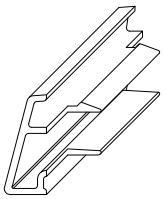
viti incluse
screws included



Materiale/*Material*: ABS
Colore/*Colour*: Nero-Bianco/Black-*White*
Terminali per LA742/End caps

LC807

Confezione/*Package*: a richiesta/*on request*



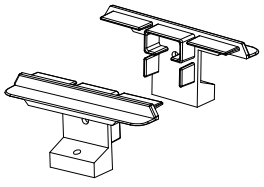
Materiale/*Material*: Alluminio/*Aluminium*
Colore/*Colour*: A richiesta/*On request*
Terminale per scarico acqua/*Water dainage slot cover*

LC870/A

Coppia *Pair*

Confezione/*Package*: 20 coppie

viti incluse
screws included



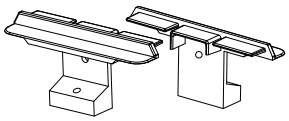
Materiale/*Material*: ABS
Colore/*Colour*: Nero-Bianco/Black-*White*
Terminali per LA870/End caps

LC870/1

Coppia *Pair*

Confezione/*Package*: 20 coppie

viti incluse
screws included



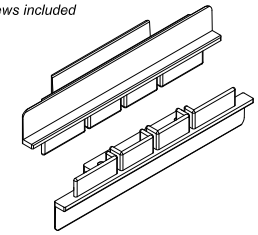
Materiale/*Material*: ABS
Colore/*Colour*: Nero-Bianco/Black-*White*
Terminali per LA1032/End caps

LC1033

Coppia *Pair*

Confezione/*Package*: 20 coppie

viti incluse
screws included

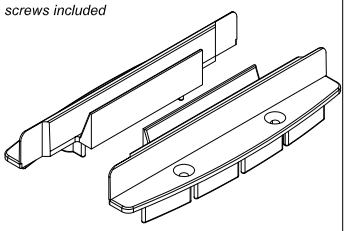


Materiale/*Material*: ABS
Colore/*Colour*: Nero-Bianco/Black-*White*
Terminali per LA1033/End caps

LC1036 Coppia *Pair*

Confezione/*Package*: 20 coppie

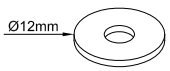
viti Incluse
screws included



Materiale/*Material*: ABS
Colore/*Colour*: Nero-Bianco/Black-*White*
Terminali per LA1036/End caps

LCZ-1

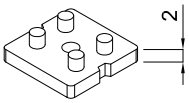
Confezione/*Package*: 300 pz.



Materiale/*Material*: Acciaio/*Steel*
Colore/*Colour*: -
Spessore per clips/*Shim*

LCZ-2

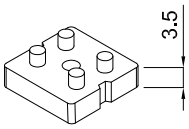
Confezione/*Package*: 300 pz.



Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Bianco/*White*
Spessore per clips LC27/Shim

LCZ-3.5

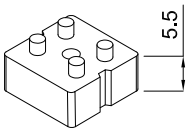
Confezione/*Package*: 300 pz.



Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Bianco/*White*
Spessore per clips LC27/Shim

LCZ-5.5

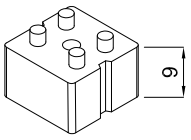
Confezione/*Package*: 300 pz.



Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Bianco/*White*
Spessore per clips LC27/*Shim*

LCZ-9

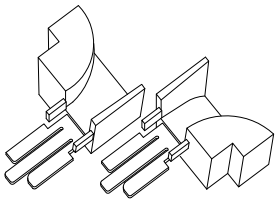
Confezione/*Package*: 300 pz.



Materiale/*Material*: Resina Acetalica
Colore/*Colour*: Bianco/*White*
Spessore per clips LC27/*Shim*

LGT Coppia *Pair*

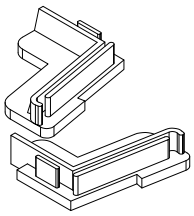
Confezione/*Package*: 20 coppie



Materiale/*Material*: ABS
Colore/*Colour*: Nero/*Black*
Terminali per guida tapparella/*End caps*

PT163 Coppia *Pair*

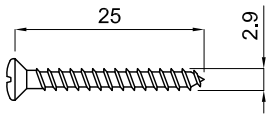
Confezione/*Package*: 50 coppie



Materiale/*Material*: SEBS
Colore/*Colour*: Nero/*Black*
Terminali per LA163/*End caps*

LVM2.9X25

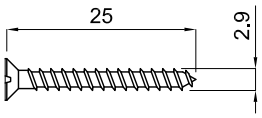
Confezione/*Package*: 1000 pz.



Materiale/*Material*: Acciaio Inox/*Steel*
Colore/*Colour*: Nero/*Black*
Vite autofilettante 2.9x25mm svasata/
Self-tapping screw

LVP2.9X25

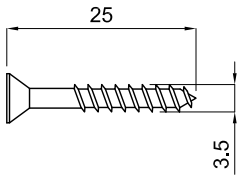
Confezione/*Package*: 500 pz.
1000 pz.



Materiale/*Material*: Acciaio Inox/*Steel*
Colore/*Colour*: Nero/*Black*
Vite autofilettante 2.9x25mm svasata piana/
Self-tapping screw

LVP25

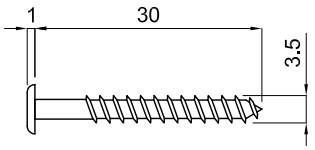
Confezione/*Package*: 500 pz.
1000 pz.



Materiale/*Material*: Acciaio zincato/*Steel*
Colore/*Colour*: Inox
Vite 3.5x25mm testa svasata piana/
3.5x25mm Screw

LVP30

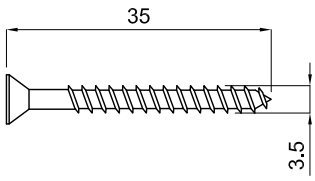
Confezione/*Package*: 500 pz.



Materiale/*Material*: Acciaio zincato/*Steel*
Colore/*Colour*: Inox
Vite 3.5x25mm testa piana/*3.5x30mm Screw*

LVP35

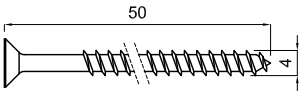
Confezione/*Package*: 500 pz.



Materiale/*Material*: Acciaio zincato/*Steel*
Colore/*Colour*: Inox
Vite 3.5x25mm testa svasata piana/
3.5x35mm Screw

LVP50

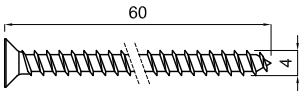
Confezione/*Package*: 500 pz.



Materiale/*Material*: Acciaio Inox/*Steel*
Colore/*Colour*: Inox
Vite 4x50mm testa svasata piana/
4x50mm screw

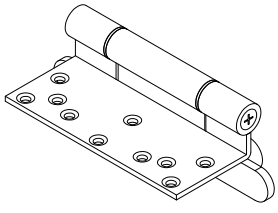
LVP60

Confezione/*Package*: 500 pz.
1000 pz.



Materiale/*Material*: Acciaio zincato/*Steel*
Colore/*Colour*: Inox
Vite 4x60mm testa svasata piana/
4x60mm screw

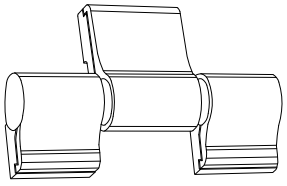
FS12



Materiale/*Material*: Acciaio/*Steel*
Colore/*Colour*: Inox-RAL9005/*Inox-RAL9005*
Cerniere regolabile per apertura esterna/
Outward opening hinge

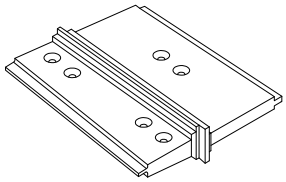
FS14

viti incluse
screws included



Materiale/*Material*: Acciaio/*Steel*
Colore/*Colour*: A richiesta/*On request*
Cerniere a 3 ali regolabili per apertura esterna/
Outward opening hinge

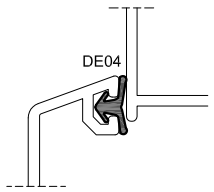
FS14/DIMA



Materiale/*Material*: Acciaio/*Steel*
Colore/*Colour*: -
Dima per montaggio FS14/*Template for FS14*

DE04S

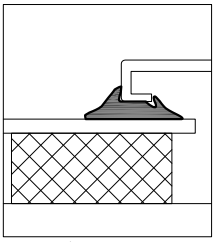
Confezione/*Package*: 400 mt.



Materiale/*Material*: TPE
Colore/*Colour*: Bianco-Nero-Marrone/ White-*Black-Brown*

DE10

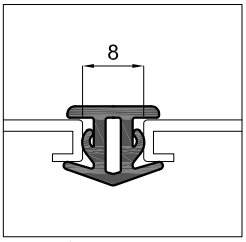
Confezione/*Package*: 200 mt.



Materiale/*Material*: TPE
Colore/*Colour*: Nero/*Black*

DE25

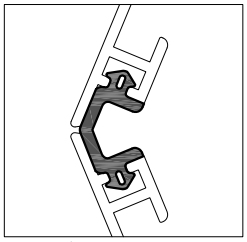
Confezione/*Package*: 130 mt.



Materiale/*Material*: TPE
Colore/*Colour*: Nero/*Black*

DE26

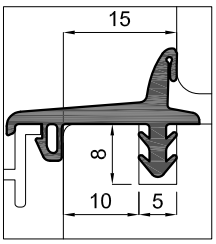
Confezione/*Package*: 150 mt.



Materiale/*Material*: TPE
Colore/*Colour*: Nero/*Black*

DE27

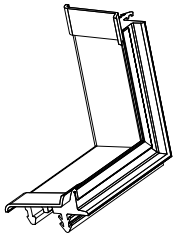
Confezione/*Package*: 50 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*
(Disponibile anche telaio vulcanizzato)

DE27/E

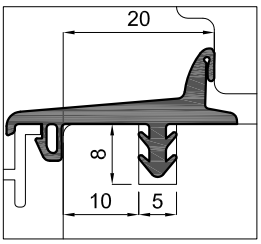
Confezione/*Package*: 50 pz.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE28

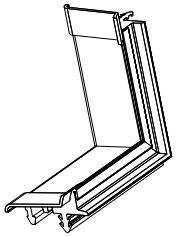
Confezione/*Package*: 50 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*
(Disponibile anche telaio vulcanizzato)

DE28/E

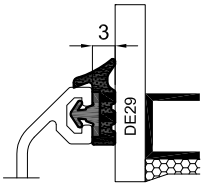
Confezione/*Package*: 50 pz.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE29

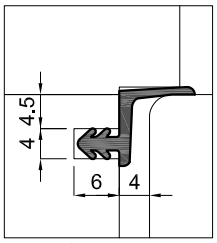
Confezione/*Package*: 200 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE30

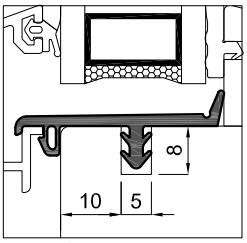
Confezione/*Package*: 150 mt. 200 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE31

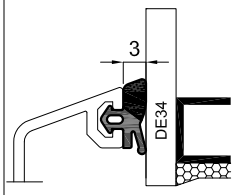
Confezione/*Package*: 75 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE34

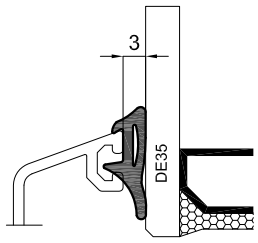
Confezione/*Package*: 200 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE35

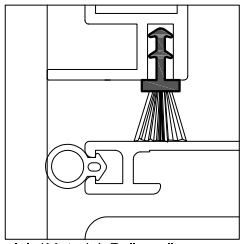
Confezione/*Package*: 200 mt. 400 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE37

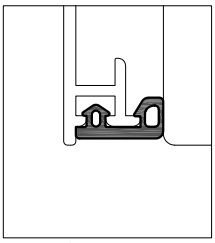
Confezione/*Package*: 400 mt.



Materiale/*Material*: Polipropilene
Colore/*Colour*: Nero/*Black*

DE38

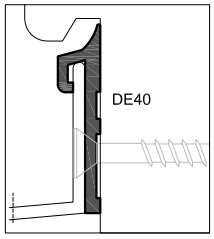
Confezione/*Package*: 200 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE40

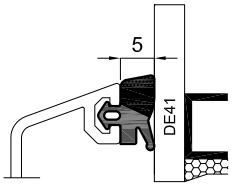
Confezione/*Package*: 150 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE41

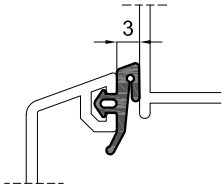
Confezione/*Package*: 200 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE42

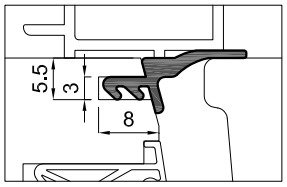
Confezione/*Package*: 300 mt. 350 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE45

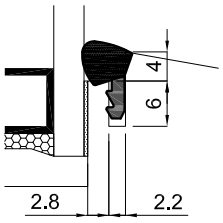
Confezione/*Package*: 150 mt.



Materiale/*Material*: TPE
Colore/*Colour*: Nero-Marrone/*Black-Brown*

DE47

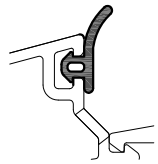
Confezione/*Package*: 250 mt. 500 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE48

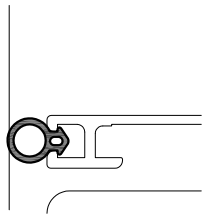
Confezione/*Package*: 400 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE49

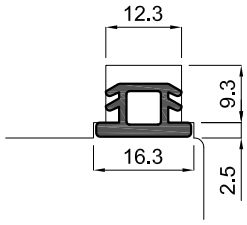
Confezione/*Package*: 200 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE53

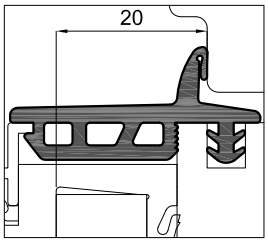
Confezione/*Package*: 120 mt.



Materiale/*Material*: TPE
Colore/*Colour*: Nero-Marrone/*Black-Brown*

DE54

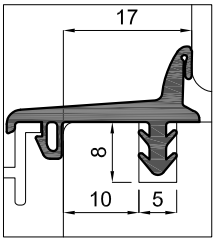
Confezione/*Package*: 50 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE59

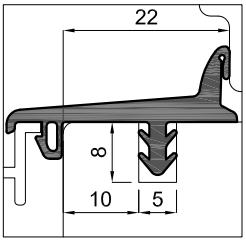
Confezione/*Package*: 60 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE60

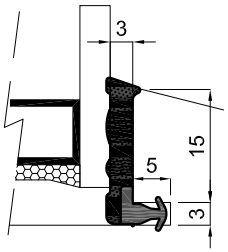
Confezione/*Package*: 100 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE65

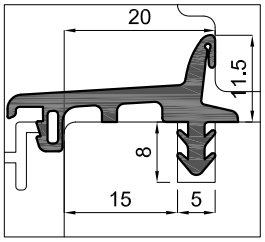
Confezione/*Package*: 125 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE81

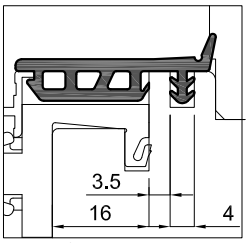
Confezione/*Package*: 50 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE82

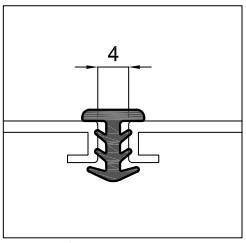
Confezione/*Package*: 50 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE84

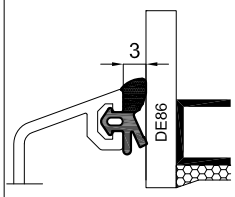
Confezione/*Package*: 250 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE86

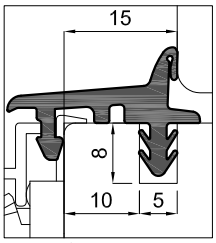
Confezione/*Package*: 200 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE87

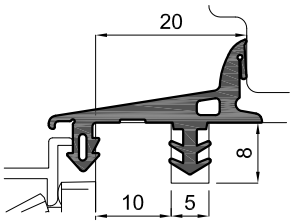
Confezione/*Package*: 50 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*
(Disponibile anche telaio vulcanizzato)

DE100

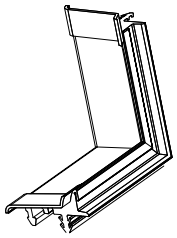
Confezione/*Package*: 50 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*
(Disponibile anche telaio vulcanizzato)

DE100/E

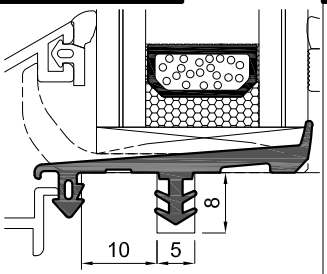
Confezione/*Package*: 100 pz.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE101

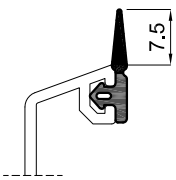
Confezione/*Package*: 50 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE103

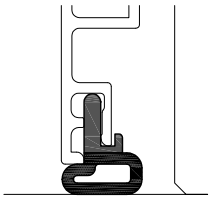
Confezione/*Package*: 400 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE113

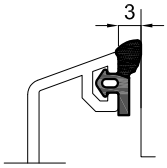
Confezione/*Package*: 200 mt.
250 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE117

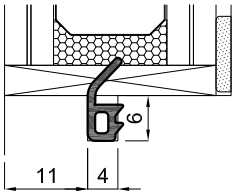
Confezione/*Package*: 250 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE119

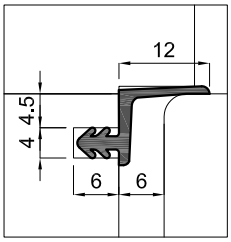
Confezione/*Package*: 300 mt.
500 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE121

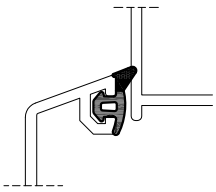
Confezione/*Package*: 200 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE125

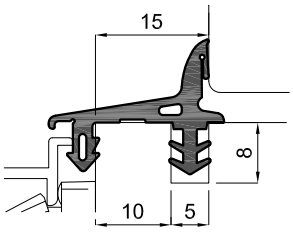
Confezione/*Package*: 300 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE126

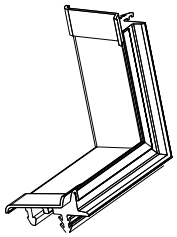
Confezione/*Package*: 60 mt. 75 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE126/E

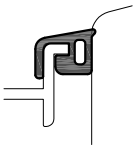
Confezione/*Package*: 50 pz.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE127

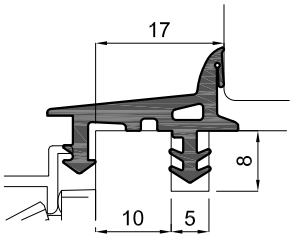
Confezione/*Package*: 250 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE129

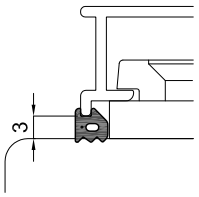
Confezione/*Package*: 50 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*
(Disponibile anche telaio vulcanizzato)

DE130

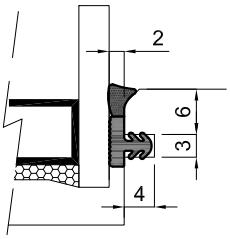
Confezione/*Package*: 250 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE132

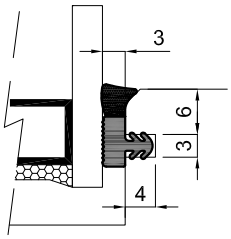
Confezione/*Package*: 200 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE133

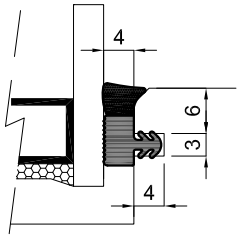
Confezione/*Package*: 200 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE134

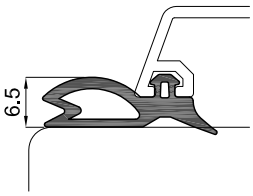
Confezione/*Package*: 200 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*: Nero/*Black*

DE136

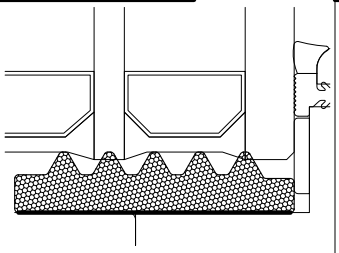
Confezione/*Package*: 100 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE141

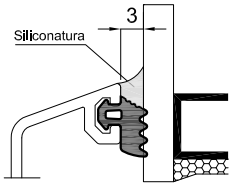
Confezione/*Package*: 100 mt.



Materiale/*Material*: Polietilene
Colore/*Colour*: Grigio/*Gray*

DE146

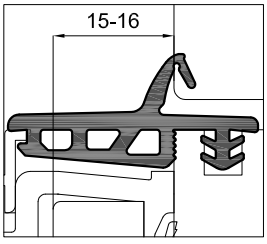
Confezione/*Package*: 250 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE147

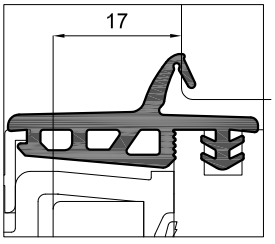
Confezione/*Package*: 40 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE149

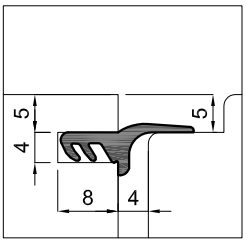
Confezione/*Package*: 50 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DE402

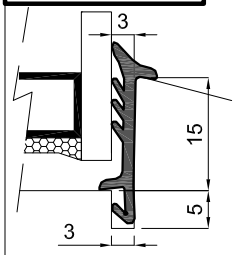
Confezione/*Package*: 200 mt.



Materiale/*Material*: EPDM
Colore/*Colour*: Nero/*Black*

DR01/15

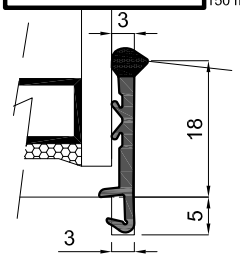
Confezione/*Package*: 150 mt.



Materiale/*Material*: TPE
Colore/*Colour*:Bianco-Marrone-Nero/
White-Brown-Black

DR01/18 S

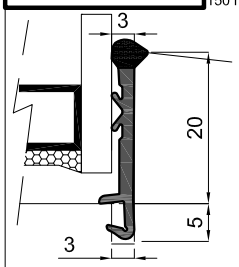
Confezione/*Package*: 120 mt. 150 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*:Blanco-Marrone-Nero/
White-Brown-Black

DR01/20 S

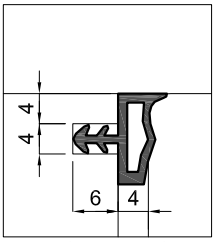
Confezione/*Package*: 120 mt. 150 mt.



Materiale/*Material*: EPDM coestruso
Colore/*Colour*:Blanco-Marrone-Nero/
White-Brown-Black

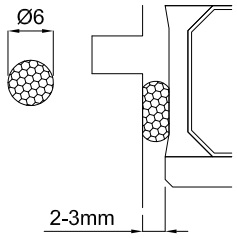
GP50

Confezione/*Package*: 130 mt.



Materiale/*Material*: PVC
Colore/*Colour*:Marrone-Nero-Bianco/
Brown-White-*Black*

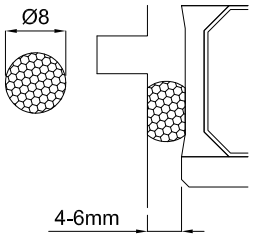
FG06



Materiale/*Material*: Polietileno espanso
Colore/*Colour*: Grigio/Gray

FG08

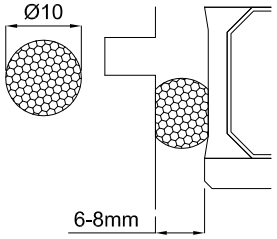
Confezione/*Package*: 900 mt.



Materiale/*Material*: Polietileno espanso
Colore/*Colour*: Grigio/Gray

FG10

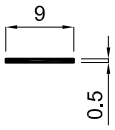
Confezione/*Package*: 600 mt.



Materiale/*Material*: Polietileno espanso
Colore/*Colour*: Grigio/Gray

LCN09

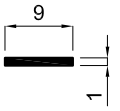
Confezione/*Package*: 33 mt.



Materiale/*Material*: Biadesivo/*Biadhesive tape*
Colore/*Colour*:Trasparente/*Trasparent*

LCN09-1N

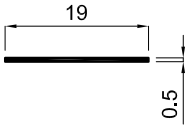
Confezione/*Package*: 33 mt.



Materiale/*Material*: Biadesivo/*Biadhesive tape*
Colore/*Colour*:Nero/*Black*

LCN19

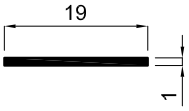
Confezione/*Package*: 33 mt.



Materiale/*Material*: Biadesivo/*Biadhesive tape*
Colore/*Colour*:Trasparente/*Trasparent*

LCN19-1N

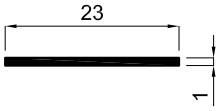
Confezione/*Package*: 33 mt.



Materiale/*Material*: Biadesivo/*Biadhesive tape*
Colore/*Colour*:Nero/*Black*

LCN23-1N

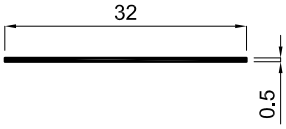
Confezione/*Package*: 33 mt.



Materiale/*Material*: Biadesivo/*Biadhesive tape*
Colore/*Colour*:Nero/*Black*

LCN32

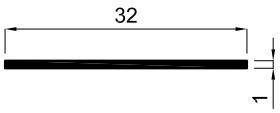
Confezione/*Package*: 33 mt.



Materiale/*Material*: Biadesivo/*Biadhesive tape*
Colore/*Colour*:Trasparente/*Trasparent*

LCN32-1N

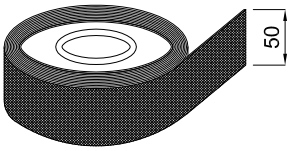
Confezione/*Package*: 33 mt.



Materiale/*Material*: Biadesivo/*Biadhesive tape*
Colore/*Colour*:Nero/*Black*

LCN50F

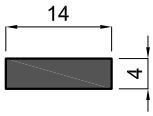
Confezione/*Package*: 50 mt.



Materiale/*Material*: Guaina adesiva
Colore/*Colour*:Nero(interno ed esterno)/*Black*

LG14/4BN

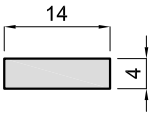
Confezione/*Package*: 25 mt.



Materiale/*Material*: Biadesivo/*Biadhesive foam tape*
Colore/*Colour*: Nero/*Black*

LG14/4BB

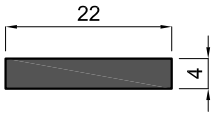
Confezione/*Package*: 25 mt.



Materiale/*Material*: Biadesivo/*Biadhesive foam tape*
Colore/*Colour*: Bianco/*White*

LG22/4BN

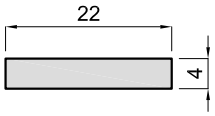
Confezione/*Package*: 25 mt.



Materiale/*Material*: Biadesivo/*Biadhesive foam tape*
Colore/*Colour*: Nero/*Black*

LG22/4BB

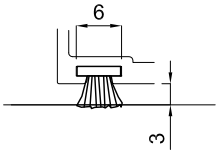
Confezione/*Package*: 25 mt.



Materiale/*Material*: Biadesivo/*Biadhesive foam tape*
Colore/*Colour*: Bianco/*White*

LSP/6

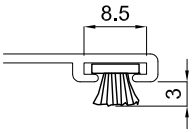
Confezione/*Package*: 500 mt.



Materiale/*Material*: Polipropilene
Colore/*Colour*: Nero/*Black*

LSP/8

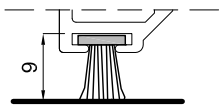
Confezione/*Package*: 375 mt.



Materiale/*Material*: Polipropilene
Colore/*Colour*: Nero/*Black*

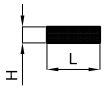
LSP/9

Confezione/*Package*: 175 mt.

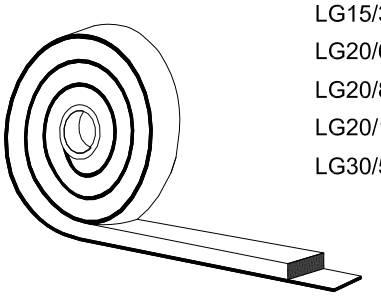


Materiale/*Material*: Polipropilene
Colore/*Colour*: Nero/*Black*

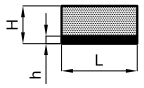
NASTRI A COMPRESSIONE



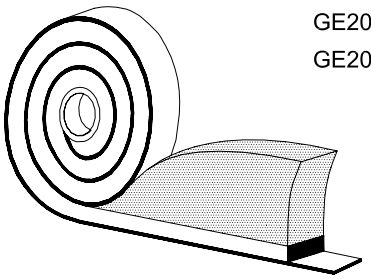
Codice	L	H
LG10/3	10	3
LG13/3	13	3
LG15/3	15	3
LG20/6	20	6
LG20/8	20	8
LG20/10	20	10
LG30/5	30	5

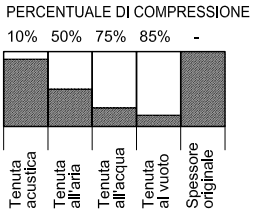


NASTRI AD ESPANSIONE



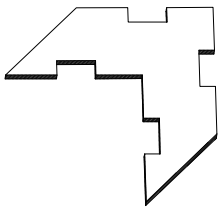
Codice	L	H	h
GE10/10	10	10	2
GE15/15	15	15	3
GE15/20	15	20	4
GE20/10	20	10	2
GE20/20	20	20	4





LS3

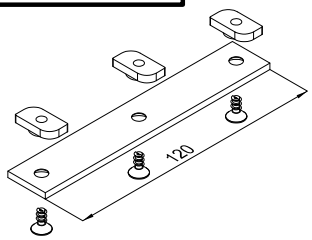
Confezione/*Package*:
100 pz.
1000 pz.



Materiale/*Material*: Alluminio/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta cianfrinatura profili alluminio/
Corner joint for 90° crimping

LS8A

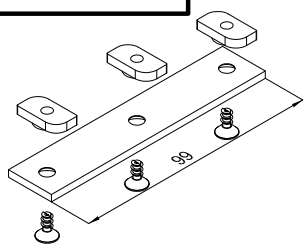
Confezione/*Package*:
20 pz.



Materiale/*Material*: Alluminio/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio a croce/
Crossbar fastener

LS8B

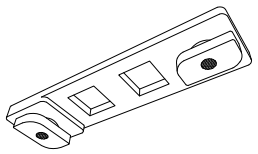
Confezione/*Package*:
20 pz.



Materiale/*Material*: Alluminio/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio a croce/
Crossbar fastener

LS19/A

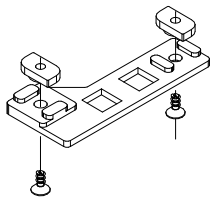
Confezione/*Package*:
50 pz.



Materiale/*Material*: Zama/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener

LS19/L

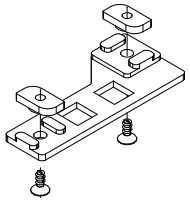
Confezione/*Package*:
20 pz.



Materiale/*Material*: Zama/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener

LS19/R

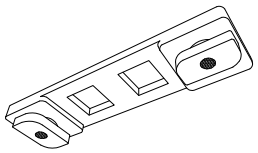
Confezione/*Package*:
20 pz.



Materiale/*Material*: Zama/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener

LS21/A

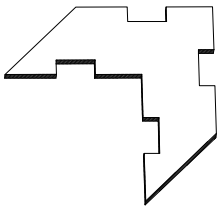
Confezione/*Package*:
50 pz.



Materiale/*Material*: Zama/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener

LS22

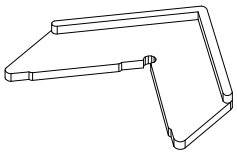
Confezione/*Package*:
100 pz.



Materiale/*Material*: Alluminio/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta di allineamento/*Corner joint for alignment purpose*

LS30

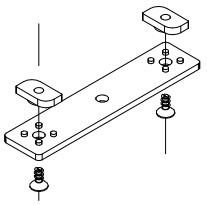
Confezione/*Package*:
50 pz.
1000 pz.



Materiale/*Material*: ABS
Colore/*Colour*: Nero/*Black*
Squadretta di allineamento/*Corner joint for alignment purpose*

LS32

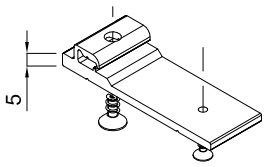
Confezione/*Package*:
50 pz.



Materiale/*Material*: Zama/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener

LS36

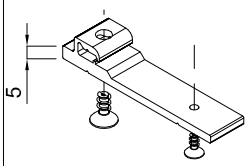
Confezione/*Package*:
50 pz.



Materiale/*Material*: Alluminio/Aluminium
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener

LS37

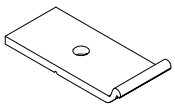
Confezione/*Package*:
50 pz.



Materiale/*Material*: Alluminio/Aluminium
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener

LS42/15

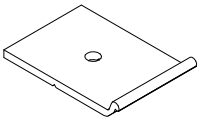
Confezione/*Package*:
50 pz.



Materiale/*Material*: Alluminio/Aluminium
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener

LS42/23

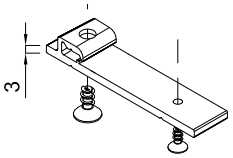
Confezione/*Package*:
50 pz.



Materiale/*Material*: Alluminio/Aluminium
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener

LS45

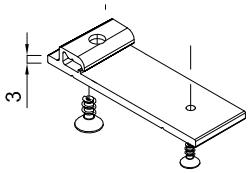
Confezione/*Package*:
50 pz.



Materiale/*Material*: Alluminio/Aluminium
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener

LS46

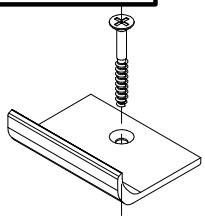
Confezione/*Package*:
50 pz.



Materiale/*Material*: Alluminio/Aluminium
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener

LS85/A

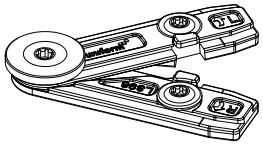
Confezione/*Package*:
50 pz.



Materiale/*Material*: Alluminio/Aluminium
Colore/*Colour*: Grezzo/*Raw*
Squadretta rinforzo fissi/*Reinforcement for fixed glazing*

LS96

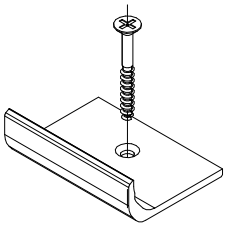
Confezione/*Package*:
50 pz.



Materiale/*Material*: Alluminio/Aluminium
Colore/*Colour*: Grezzo/*Raw*
Squadretta angolo variabile/Adjustable angle joint

LS97

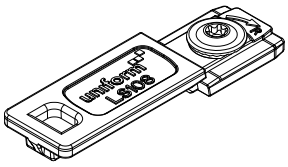
Confezione/*Package*:
50 pz.



Materiale/*Material*: Alluminio/Aluminium
Colore/*Colour*: Grezzo/*Raw*
Squadretta rinforzo fissi/*Reinforcement for fixed glazing*

LS108

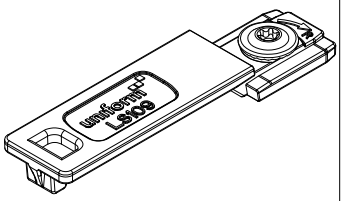
Confezione/*Package*:
250 pz.



Materiale/*Material*: Zama/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener Aluminium

LS109/A

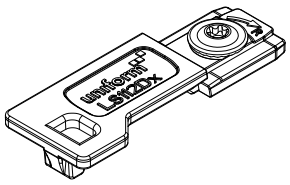
Confezione/*Package*:
250 pz.



Materiale/*Material*: Zama/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener Aluminium

LS112Dx

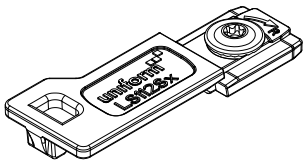
Confezione/*Package*:
250 pz.



Materiale/*Material*: Zama/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener Aluminium

LS112Sx

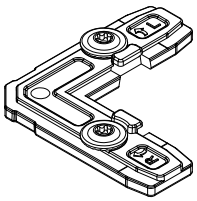
Confezione/*Package*:
250 pz.



Materiale/*Material*: Zama/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio traversi/
Crossbar fastener Aluminium

LS119

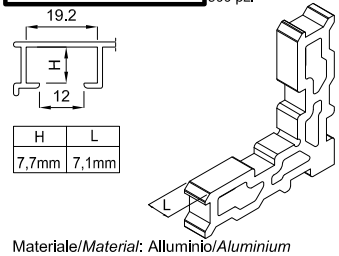
Confezione/*Package*:
250 pz.



Materiale/*Material*: Alluminio/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta assemblaggio a vite degli angoli/
Corner joint to be screwed

LS500/4

Confezione/*Package*:
50 pz.
500 pz.

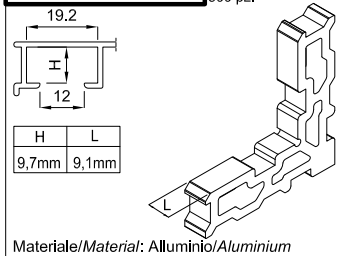


H	L
7,7mm	7,1mm

Materiale/*Material*: Alluminio/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta cianfrinatura degli angoli/
Corner joint to be crimping

LS500/9

Confezione/*Package*:
50 pz.
500 pz.

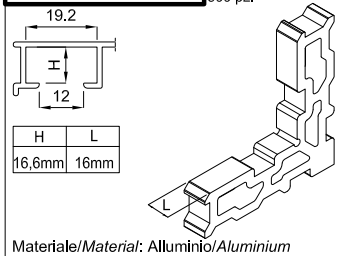


H	L
9,7mm	9,1mm

Materiale/*Material*: Alluminio/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta cianfrinatura degli angoli/
Corner joint to be crimping

LS500/13

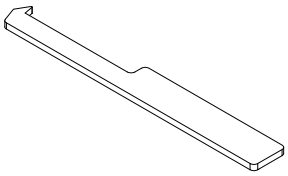
Confezione/*Package*:
50 pz.
500 pz.



H	L
16,6mm	16mm

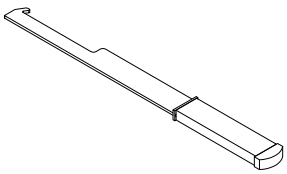
Materiale/*Material*: Alluminio/*Aluminium*
Colore/*Colour*: Grezzo/*Raw*
Squadretta cianfrinatura degli angoli/
Corner joint to be crimping

LD03



Materiale/*Material*: Acciaio/*Steel*
Chiave per clips LC4-LC4/7-LC5-LC81/*Wrench for pivot clips LC4-LC4/7-LC5-LC81*

LD03A

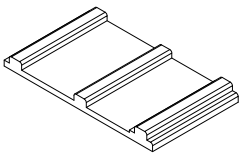


Materiale/*Material*: Acciaio/*Steel*
Chiave per clips LC4-LC4/7-LC5-LC81/*Wrench for pivot clips LC4-LC4/7-LC5-LC81*

LD04

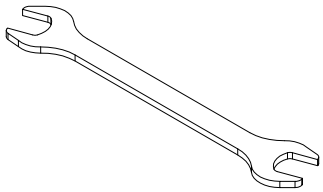
Materiale/*Material*: Acciaio/*Steel*
Rullino per montaggio guarnizioni/*Gasket roller*

LD05B



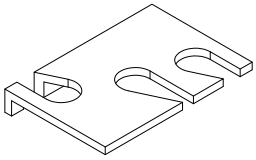
Materiale/*Material*: Alluminio/*Aluminium*
Dima per posizionamento LA191/*Template for LA191*

LD13



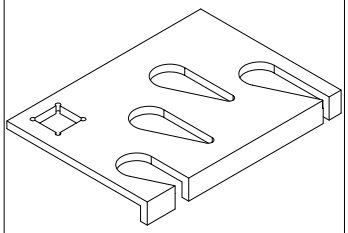
Materiale/*Material*: Acciaio/*Steel*
Chiave per clips
LC26-LC50-LC62-LC80/*Wrench for clips* LC26-LC50-LC62-LC80

LD14



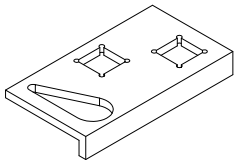
Materiale/*Material*: Alluminio/*Aluminium*
Dima fissa per posizionamento LC4 sul telaio/*Template for positioning clips LC4*

LD15



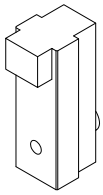
Materiale/*Material*: Alluminio/*Aluminium*
Dima fissa per posizionamento LC4 sull'anta/*Template for positioning clips LC4*

LD16



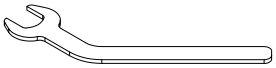
Materiale/*Material*: Alluminio/*Aluminium*
Dima fissa per posizionamento LC4 su ch. centrale/*Template for positioning clips LC4*

LD25



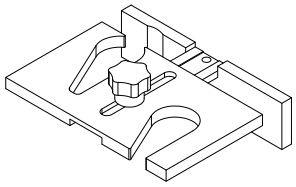
Materiale/*Material*: Alluminio/*Aluminium*
Dima di foratura per LGT/*Template for drilling*

LD46



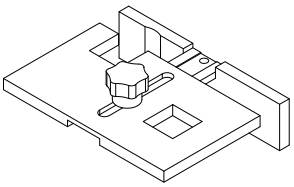
Materiale/*Material*: Acciaio/*Steel*
Chiave per clips: LC26-LC50-LC62-LC80/ *Wrench for clips LC26-LC50-LC62-LC80*

LD47



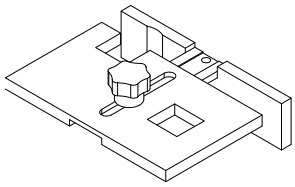
Materiale/*Material*: Alluminio/*Aluminium*
Dima regolabile per LC4-LC4/7 / Adjustable *template for positioning clips LC4-LC4/7*

LD48



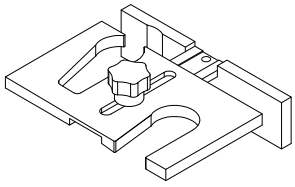
Materiale/*Material*: Alluminio/*Aluminium*
Dima regolabile per LC26-LC50/*Adjustable template for positioning LC26-LC50*

LD49



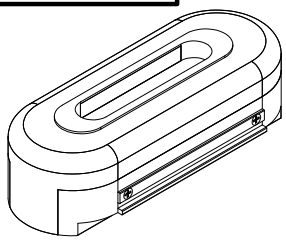
Materiale/*Material*: Alluminio/*Aluminium*
Dima regolabile per LC62/*Adjustable template for positioning LC62*

LD50



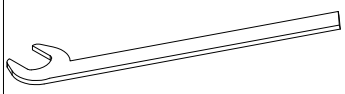
Materiale/*Material*: Alluminio/*Aluminium*
Dima regolabile per LC81/*Adjustable template for positioning LC81*

LD59



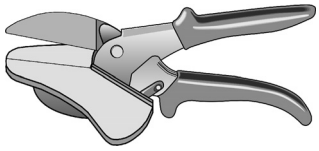
Materiale/*Material*: Alluminio/*Aluminium*
Dima scorrevole per clips / *Sliding template for clips*

LD60



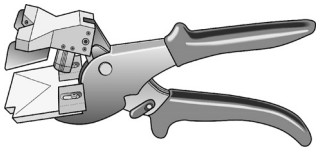
Materiale/*Material*: Acciaio/*Steel*
Chiave maggiorata per clips
LC26-LC50-LC62-LC80/*Wrench for clips* LC26-LC50-LC62-LC80

LF1



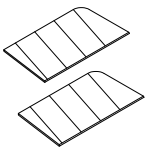
Forbice per il taglio delle guarnizioni/*Scissor for cutting the gaskets*

LF2



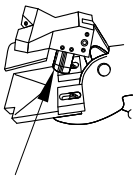
Forbice per taglio a 45° delle guarnizioni/*Scissor for cutting 45° the gaskets*

LF2A



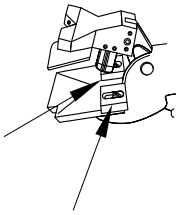
Coppia di lame per LF2 e LF4/*Pair of blades for LF2 and LF4*

LF2B



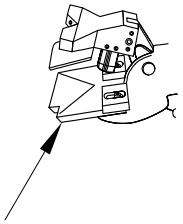
Inserto sagomato di ricambio per LF2/*Upper blade for LF2*

LF2C



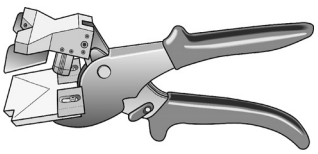
Coppia di blocchetti di riscontro per LF2 e LF4/*Template*

LF2D



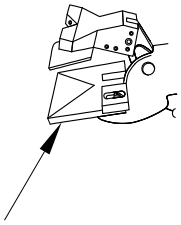
Base in Teflon di ricambio per LF2/*Teflon support for LF2*

LF4



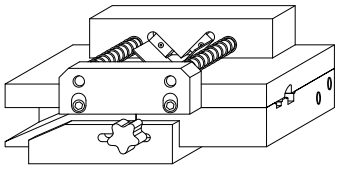
Forbice per taglio a 45° delle guarnizioni sull'anta/*Scissor for cutting 45° the gasket on the sash*

LF4D



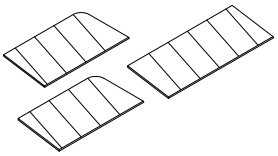
Base in Teflon di ricambio per LF4/*Teflon support for LF4*

LF5



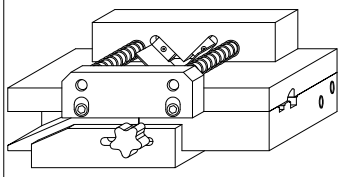
Attrezzatura per taglio a misura guarnizione DE81/*Equipment for cutting to size gasket DE81*

LF5A



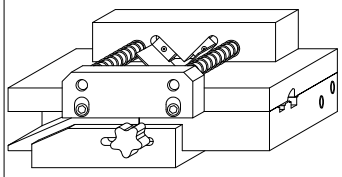
Tris di coltelli di ricambio per attrezzatura per taglio guarnizioni/*Blades for scissors(3 pcs.)*

LF6



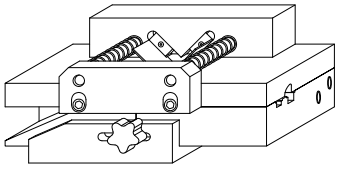
Attrezzatura per taglio a misura guarnizione DE27-DE126/*Equipment for cutting to size gasket DE27-DE126*

LF7



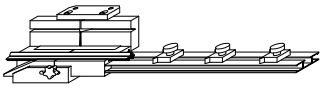
Attrezzatura per taglio a misura guarnizione DE28/*Equipment for cutting to size gasket DE28*

LF8



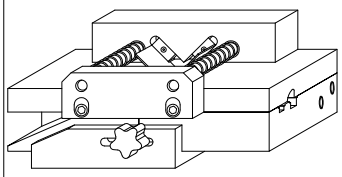
Attrezzatura per taglio a misura guarnizione DE147/*Equipment for cutting to size gasket DE147*

LF10



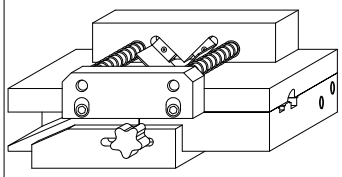
Asta millimetrata con fermi per taglio a misura delle guarnzioni/*Graduated rod for cutting the gaskets*

LF12



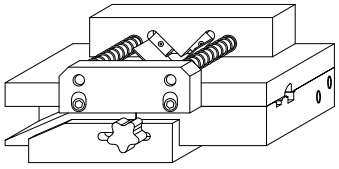
Attrezzatura per taglio a misura guarnizione DE54/*Equipment for cutting to size gasket DE54*

LF13



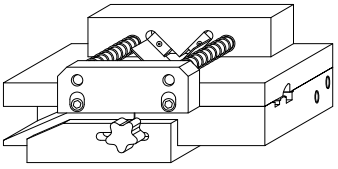
Attrezzatura per taglio a misura guarnizione DE149/*Equipment for cutting to size gasket DE149*

LF14



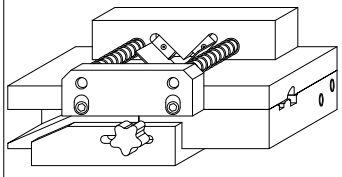
Attrezzatura per taglio a misura guarnizione DE58/*Equipment for cutting to size gasket DE58*

LF15



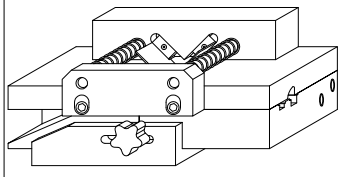
Attrezzatura per taglio a misura guarnizione DE59-DE129/*Equipment for cutting to size gasket DE59-DE129*

LF16



Attrezzatura per taglio a misura guarnizione DE60/*Equipment for cutting to size gasket DE60*

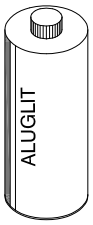
LF20



Attrezzatura per taglio a misura guarnizione DE100/*Equipment for cutting to size gasket DE100*

ALUGLIT

Confezione/*Package*: 1 pz.



Detergente per la pulizia dei profili in alluminio grezzi da 250ml/*Raw aluminium profiles cleaner*

ALUGLIT PAINT

Confezione/*Package*: 1 pz.

Detergente per la pulizia dei profili in alluminio verniciati da 250ml/*Coated aluminium profiles cleaner*

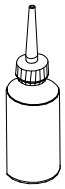
LC-PRIMER86

Confezione/*Package*: 20 pz.

Primer per alluminio/*Aluminium Primer*

LC-RE

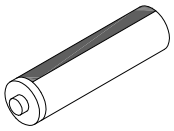
Confezione/*Package* 20 pz.



Colla cianoacrilica per l'incollaggio di guarnizioni in EPDM/*Glue for EPDM gaskets*

LC-TENAX

Confezione/*Package*: 1 pz.



Colla per l'assemblaggio dei profili in alluminio/*Glue for the assembly of the aluminum profiles corners*

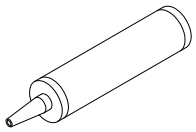
LCPROTEX

Confezione/*Package*: 1 pz.

Anticorrosivo per alluminio/*Anti-corrosive for aluminum*

SIGIL-N

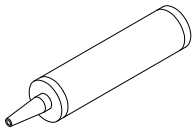
Confezione/*Package*: 10 pz.



Sigillante per profili in alluminio(colori scuri)/ *Sealant for aluminum profiles(dark colours)*

SIGIL-G

Confezione/*Package* 10 pz.



Sigillante per profili in alluminio(colori chiari)/ *Sealant for aluminum profiles(bright colours)*

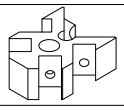
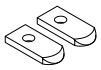
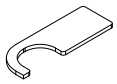
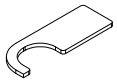
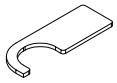
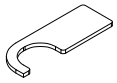
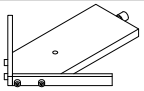
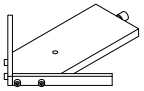
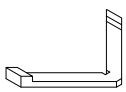
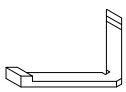
LACV-98 CIANFRINATRICE PNEUMATICA VERTICALE

NOTA: Comprensiva del portapunzoni MVX42603, punzoni LAPZ-UNI (montanti) e della slitta LAC-SL15

COMPOSIZIONE DEI KIT PER LACV-98

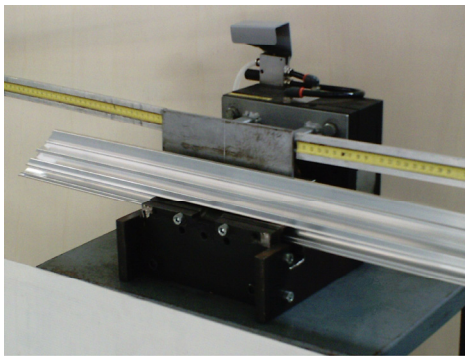
KIT BASE:

LAK01	**LAC-SP2**	1 pz	Spessore superiore 2mm
	LAC-SP2,5	1 pz	Spessore superiore 2,5mm
	LAC-SP4	1 pz	Spessore superiore 4mm
	LAC-SP4,5	1 pz	Spessore superiore 4,5mm
	LAC-SP5	1 pz	Spessore superiore 5mm
	LAC-SP6	1 pz	Spessore superiore 6mm
	LAC-SP8	1 pz	Spessore superiore 8mm
	LAC-SP12	1 pz	Spessore superiore 12mm
	LAC-SSSoft	1 pz	Supporto slitta per anta serie Soft-Line
	LAPZ-4000	2 coppie	Coppia punzoni h=40mm
	LAPZ-5000	2 coppie	Coppia punzoni h=38mm
LAK02	KIT AGGIUNTIVO PER CIANFRINATURA SISTEMI: *COMPLANARE, DROP-LINE, BOLD-LINE, FLAT-LINE, EASY-FLAT, TERMOSCUDO EASY-FLAT*		
	LAC-SL10	1 pz	Slitta ribassata spessore 10mm
	LAC-SP10	1 pz	Spessore superiore 10mm
	LAC-SS477	1 pz	Supporto slitta per anta

	Ricambi per LACV-98/*Parts for LACV-98 punching machine*		
Punzoni *Punches*	**MVX42603**	Testa portapunzoni standard *standard punches-platform*	
	LAPZ-UNI	Coppia punzoni H=33mm(set di 2pz) *pair of punches H=33mm*	
Spessori superiori *Upper spacers*	**LAC-SP2.5**	Spessore superiore 2.5mm *upper spacer 2.5mm thick*	
	LAC-SP4	Spessore superiore 4mm *upper spacer 4mm thick*	
	LAC-SP10	Spessore superiore 10mm *upper spacer 10mm thick*	
	LAC-SP11	Spessore superiore 11mm *upper spacer 11mm thick*	
Slitte e supporti *Sledges,supports*	**LAC-SL10**	Slitta spessore 10mm *10mm thick sledge*	
	LAC-SL15	Slitta spessore 15mm *15mm thick sledge*	
	LAC-SS181	Supporto slitta per profilo LA883 *support of the sledge for LA883 profile*	
	LAC-SS477	Supporto slitta per profili anta *support of the sledge for sash profiles*	

LACV-1 PUNZONATRICE PNEUMATICA PER ASOLE DI SCARICO ACQUA

NOTA: idonea per accessori LC11-LC60-LC807



ACCESSORI e RICAMBI PER LACV-1

MMX45430	Matrice _ ZPX14390
MPX45426	Punzone _ ZPX14390

uniform
sistemi per serramenti