

atlantis
serie 55TT



serie 55TT

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Peso profilati: Il peso riportato sul catalogo per i profilati è quello teorico quindi potrà variare in funzione delle tolleranze dimensionali e di spessore (Norma UNI EN 12020/2).

Leghe di estrusione: I profilati sono estrusi in lega EN AW 6060 (EN 573-3 e EN 755-2).

Stato di fornitura: T5 secondo UNI EN 515.

Lunghezza delle barre di alluminio: La lunghezza commerciale delle barre dei profilati è di 6500 mm. Per eventuali dimensioni differenti contattare il Servizio Commerciale.

Dimensione dei profilati: Le dimensioni riportate per i profilati sono quelle teoriche quindi potranno variare, in modo più o meno evidente, a causa delle tolleranze di estrusione. (Norma UNI EN 12020-2).

Detta variabilità può risultare più evidente nelle varie cavità previste per l'inserimento di accessori e guarnizioni.

Anche i vari accoppiamenti possono risentire di queste variazioni dimensionali.

Le cave piccole, in particolare quelle delle guarnizioni, possono essere sensibilmente ridotte, nel caso di profilati verniciati, dallo spessore della vernice stessa.

Dimensioni di taglio: Nel presente catalogo sono riportate delle distinte di taglio.

Le dimensioni teoriche riportate sono esatte ma in pratica dovranno essere considerati quegli arrotondamenti che la tecnica e l'attrezzatura della propria officina consiglia. È pure consigliabile nei primi lavori o nel caso di importanti quantità di serramenti effettuare delle campionature di prova.

Riferimento quote: Il riferimento delle quote L e H del catalogo, che coincidono con la parte tubolare del profilato, corrisponde ai riferimenti che in genere sono riportati anche sulle troncatrici. In caso diverso apportare le opportune correzioni.

Schemi e sezioni: Gli schemi e le sezioni riportati sul catalogo non hanno valore limitativo ma solo di esemplificazione di alcune delle situazioni che più comunemente si trovano nella realtà e di soluzione consigliabile.

Tolleranza di posa in opera: Tra l'interno del controtelaio d'acciaio e l'esterno della parte tubolare del serramento è consigliabile lasciare uno spazio o tolleranza di posa di circa mm 7 per lato. Considerata la sporgenza (mm 2-3) della piastrina circolare di appoggio degli espansori per il fissaggio a muro rimane uno spazio utile per le eventuali imperfezioni di verticalità e orizzontalità di mm 4-5 per lato che consente di sistemare bene a piombo ed a livello il serramento.

Dimensione dei serramenti: Nel determinare le dimensioni dei serramenti occorre valutare un certo numero di fattori quali: il momento d'inerzia dei profilati, le dimensioni ed il peso del vetro o del tamponamento, le dimensioni delle ante mobili, la qualità e la portata degli accessori, il tipo ed il numero dei fissaggi a muro, la situazione di posa (altezza, esposizione, zona di vento, ecc). Questi dati sono valutabili sulla base della conoscenza pratica dell'arte, dei vari cataloghi e manuali tecnici e delle prescrizioni UNCSAAL.

Tutti i dati riportati nel presente catalogo sono indicativi e non impegnano la TO.MA. S.P.A. La TO.MA. S.P.A. si riserva la facoltà di apportare, in qualsiasi momento, le modifiche che riterrà opportune.

Profilati, accessori e guarnizioni riportati su questo catalogo sono brevettati.

Quanto riportato in questo catalogo è di esclusiva proprietà della TO.MA. S.P.A. e, a termini di legge, ne è vietata la riproduzione, anche parziale, se non esplicitamente autorizzata.

Nella costruzione e nella posa in opera dei serramenti si consiglia di osservare e rispettare la normativa, le prescrizioni e le raccomandazioni specifiche, pur non vincolanti, esistenti in Italia. Per la realizzazione dei serramenti si invita ad attenersi alla tecnologia costruttiva ed applicativa riportata sul catalogo tecnico e di utilizzare le guarnizioni e gli accessori consigliati.

La responsabilità della TO.MA. S.P.A. è in ogni caso limitata alla sola sostituzione di quei suoi prodotti che risultassero difettosi all'origine.

Profilati Estrusi Lega: EN AW 6060 (EN 573-3 EN 755-2)

Stato di Fornitura: T5 secondo UNI EN 515

Tolleranze Dimensionali e Spessori: UNI EN 12020-2

Tipo di Tenuta Aria-Acqua: Giunto Aperto (Finestre); Doppia Battuta (Serie Porta)

Assemblaggio profili a taglio termico: L'accoppiamento è realizzato mediante l'inserimento di listelli in poliammide rinforzati con fibre di vetro di lunghezza 14 mm e spessore 2 mm bloccati mediante rullatura in continuo.

Applicazione Vetro: Fermavetro con inserimento a scatto.

Altezza Sede Vetro: 22 mm.

Spazio per Vetro e Guarnizioni: da 13 mm a 39 mm per la serie finestre e per la serie porte.

Dimensioni Base del Sistema Serie Finestra:

- Telaio: profondità mm 47,5
- Anta: profondità mm 55,5
- Fasce e Zoccoli: profondità mm 47

Dimensioni Base del Sistema Serie Porta:

- Telaio: profondità mm 47,5
- Anta: profondità mm 47,5
- Fasce e Zoccoli: profondità mm 47

Impiego: Il sistema consente la costruzione di finestre a battente con la possibilità di eseguire le principali aperture ad anta, anta ribalta, scorrere parallelo, con sopraluci, sottoluci, laterali fissi etc. e di porte ad una o più ante sia ad apertura interna che esterna.

Impiego: Profilati per finestre: Il sistema consente la costruzione di finestre o porte-finestre a due, tre o più ante a battente nella versione giunto aperto o con doppia guarnizione di battuta. Sono possibili anche specchiature fisse, finestre con apertura verso l'esterno, vasistas, ante-ribalta, bilici e serramenti a monoblocco.

Profilati per porte: Tali profili consentono la costruzione di porte a una, due o più ante apribili verso l'interno, verso l'esterno, con sopraluci fissi o apribili.

FINESTRE

Serramenti costruiti con profilati estrusi in alluminio, lega EN AW 6060 secondo le norme EN 573-3 EN 755-2 con stato di fornitura T5 secondo la normativa UNI EN 515 e tolleranze dimensionali e spessori secondo le norme EN 12020/2.

Il telaio fisso dovrà avere una profondità totale minima di mm 47,5 mentre l'anta per garantire una maggiore resistenza alla pressione dinamica del vento avrà una profondità di mm 55,5 e aletta cingi vetro arrotondata. L'aletta di sovrapposizione al muro sarà di mm 22 ed avrà la sede per la guarnizione. Il serramento finito si presenterà in questo modo: all'esterno il piano individuato dal telaio fisso sarà complanare rispetto al piano individuato dall'anta con fughe di mm 5; all'interno invece, il piano individuato dall'anta sposterà di mm 8 rispetto a quello individuato dal telaio fisso. Le giunzioni degli angoli dei telai fissi ed apribili saranno realizzate con squadrette di alluminio estruso, esenti da parti metalliche soggette a fenomeni galvanici, e fissate mediante spinatura e/o cianfrinatura. Tutti i profilati telai ed anta saranno realizzati con camera tubolare sia nella parte interna che esterna per garantire la possibilità di accogliere le squadrette per unione dell'angolo ed avere una buona resistenza meccanica. Le sezioni dei profilati saranno inoltre cosparse di sigillanti onde evitare infiltrazioni d'acqua. I fermavetri saranno in alluminio estruso, con montaggio a scatto o mediante mollette di aggancio.

ISOLAMENTO TERMICO

I profilati saranno a taglio termico avendo la sagoma composta da due estrusi in alluminio collegati meccanicamente e separati termicamente mediante barrette continue in poliammide rinforzato con fibre di vetro con colla sulle pareti laterali. La resistenza allo scorrimento dei materiali dovrà essere superiore a 2,4 KN da testare su 100 mm di profilato (come previsto dalla Direttiva Tecnica Europea UEAtc).

DRENAGGIO E AREAZIONE

I profilati telai fissi ed apribili dovranno prevedere apposite asole per consentire il corretto drenaggio dell'acqua e la ventilazione attorno al perimetro dei vetri camera. Le barrette in poliammide dovranno avere una conformazione geometrica tale da evitare ristagno di acque di infiltrazione e di condensa ed essere perfettamente complanari con le pareti trasversali dei profilati di alluminio. Le asole di drenaggio dei telai di specchiature fisse saranno protette esternamente con cappette dotate di membrana per compensare la diversità di pressione fra interno ed esterno.

GUARNIZIONI ED ACCESSORI

Gli accessori e le guarnizioni saranno quelle originali studiate dal produttore del sistema.

Le giunzioni tra i profilati orizzontali e verticali dovranno essere perfettamente solidali e ben allineate, sia nella parte esterna che interna dei profilati. I punti di collegamento tra profilati orizzontali e verticali dovranno essere opportunamente sigillati per evitare possibili infiltrazioni e proteggerli da fenomeni di corrosione. Tutte le guarnizioni: cingivetro, di tenuta, di battuta..... dovranno essere in elastomero (EPDM). In particolare la guarnizione di tenuta centrale (giunto aperto) dovrà avere una conformazione tale da assicurare la continuità perimetrale, mediante l'impiego di angoli vulcanizzati preformati ed incollati alla stessa o in alternativa mediante telai vulcanizzati.

Per la tenuta all'aria, all'acqua ed al carico del vento (UNI EN 1026, UNI EN 1027, UNI EN 12211, UNI EN 12207, UNI EN 12208, UNI EN 12210) i serramenti dovranno garantire le seguenti classi di tenuta:

Tipologia di prova		Norma di prova	Norma di classificazione	Classe
Permeabilità all'aria	referita alla superficie apribile	UNI EN 1026	UNI EN 12207	
	referita alla lunghezza dei giunti			
	finale			
Tenuta all'acqua		UNI EN 1027	UNI EN 12208	

Le caratteristiche di tenuta e di resistenza all'aria, all'acqua ed al carico del vento, ottenibili con questi profilati, dovranno essere dimostrabili con riproduzione in fotocopia del certificato del collaudo effettuato dal costruttore dei serramenti o, in mancanza, dal produttore dei profilati.

PORTE

Serramenti misti costruiti con profilati estrusi in alluminio, lega EN AW 6060 secondo le norme EN 573-3 EN 755-2 con stato di fornitura T5 secondo la normativa UNI EN 515 e tolleranze dimensionali e spessori secondo le norme EN 12020/2, nella parte esterna, e con masselli in legno arrotondati e scorniciati nella parte interna.

Il telaio fisso avrà profondità 47,5 mm, e quello mobile profondità di 47,5 mm. Il sistema di tenuta all'aria sarà costituito da doppia guarnizione EPDM (Dutral) posizionata in battuta. I fermavetri saranno di alluminio estruso con montaggio a scatto o mediante mollette di aggancio.

ACCESSORI E GUARNIZIONI

Dovranno essere quelli originali studiati dal produttore del sistema.

FINITURA SUPERFICIALE

La protezione e la finitura delle superfici dei profilati dovranno essere effettuate mediante anodizzazione o verniciatura.

- L'anodizzazione, a marchio europeo EURAS-EWAA/QUALANOD nel colore dovrà essere eseguita con ciclo completo comprendente le preliminari operazioni decapaggio, grassaggio e satinatura meccanica o chimica.

Lo spessore dell'ossido dovrà essere garantito con un valore medio di 15 microns (classe 15 Microns UNI 4522-66), salvo particolari richieste del cliente.

- La verniciatura, a marchio europeo QUALICOAT nel colore secondo le tabelle R.A.L. avrà spessore minimo, per le parti in vista, di 60 Microns e sarà effettuata con un ciclo comprendente:

- 1) sgrassaggio alcalino 50° C
- 2) doppio lavaggio demineralizzato
- 3) decapaggio a circa 50° C
- 4) doppio lavaggio demineralizzato
- 5) disossidazione acida
- 6) doppio lavaggio demineralizzato
- 7) cromatazione a circa 30° C
- 8) lavaggio demineralizzato
- 9) lavaggio demineralizzato specifico

10) asciugatura

11) verniciatura mediante polveri poliestere applicate elettrostaticamente e cottura in forno alla temperatura di circa 180° C.

A garanzia della durata nel tempo e della resistenza agli agenti atmosferici dovranno essere effettuati, durante il ciclo di verniciatura dei controlli atti a verificare la qualità .

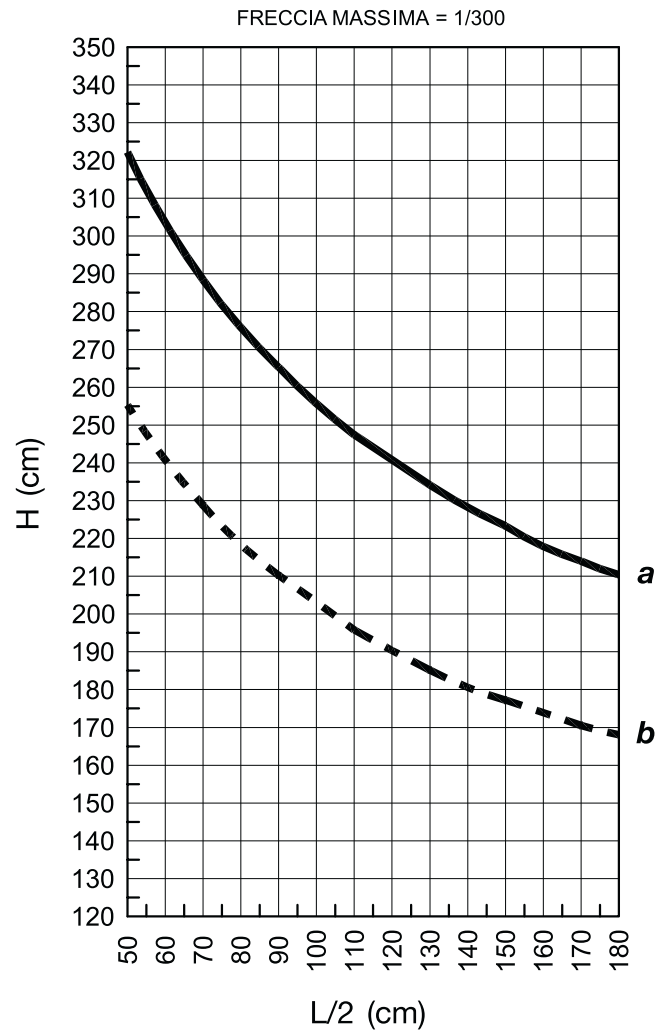
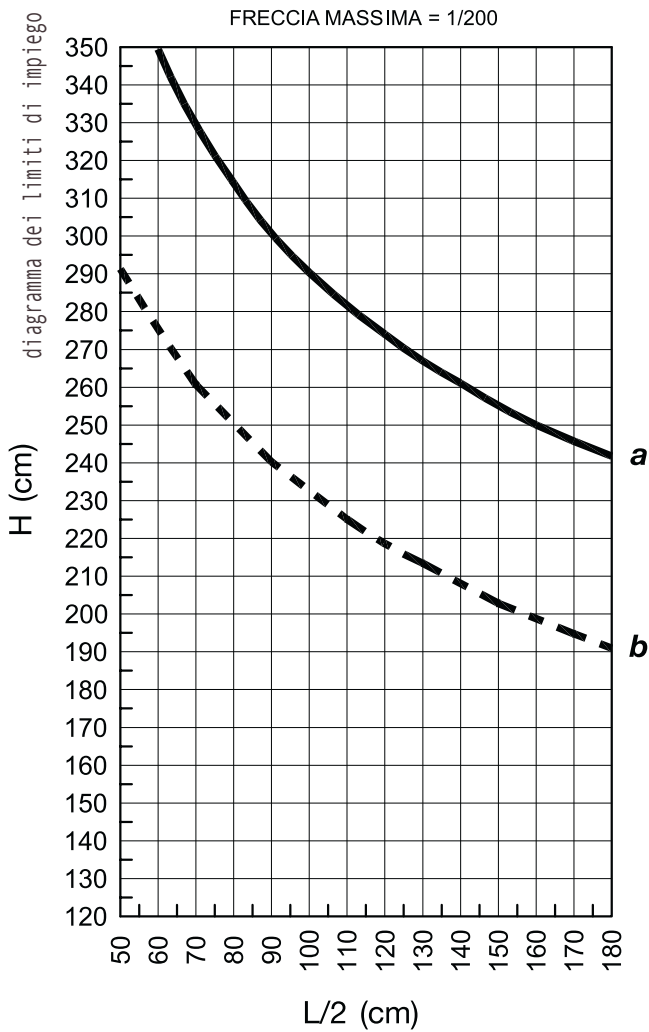
Tra questi i controlli più importanti sono:

- Controllo della temperatura di cottura che deve essere costante su tutti i profilati
- Controllo della aderenza secondo la norma ISO 2409
- Controllo della resistenza alla piegatura secondo la norma EN ISO 1519
- Controllo della resistenza all'imbollatura secondo la norma EN ISO 1520
- Controllo della resistenza all'urto secondo la norma ASTM D 2794
- Controllo della brillantezza secondo la norma ISO 2813

LIMITI DI IMPIEGO

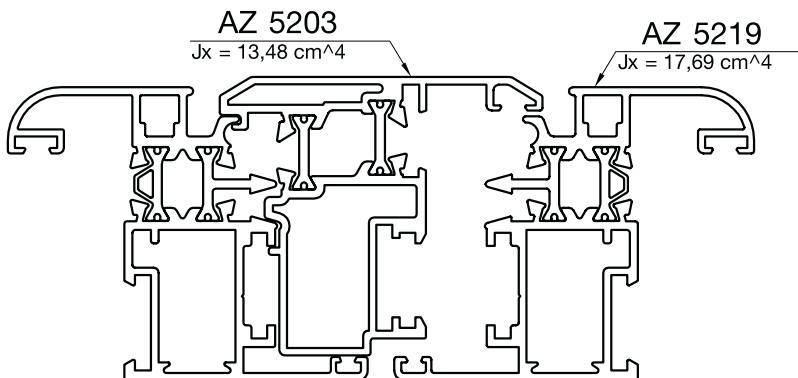
Il progettista o il serramentista, nel determinare le dimensioni massime della struttura reticolare e dei serramenti, dovrà considerare e valutare, oltre le dimensioni ed il momento d'inerzia dei profilati, anche le caratteristiche applicative e metereologiche quali l'altezza dal suolo, l'esposizione alla pioggia e la velocità dei venti nella zona.

Per questi dati consigliamo di consultare e seguire le Raccomandazioni UNCSAAL elaborate sulla base delle norme UNI, UNI - EN, e UNI - CNR esistenti in merito.



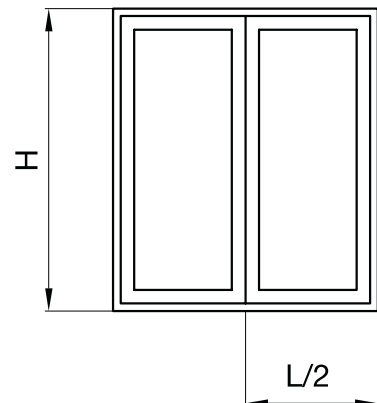
a = Pressione del vento 500 Pa

b = Pressione del vento 1000 Pa

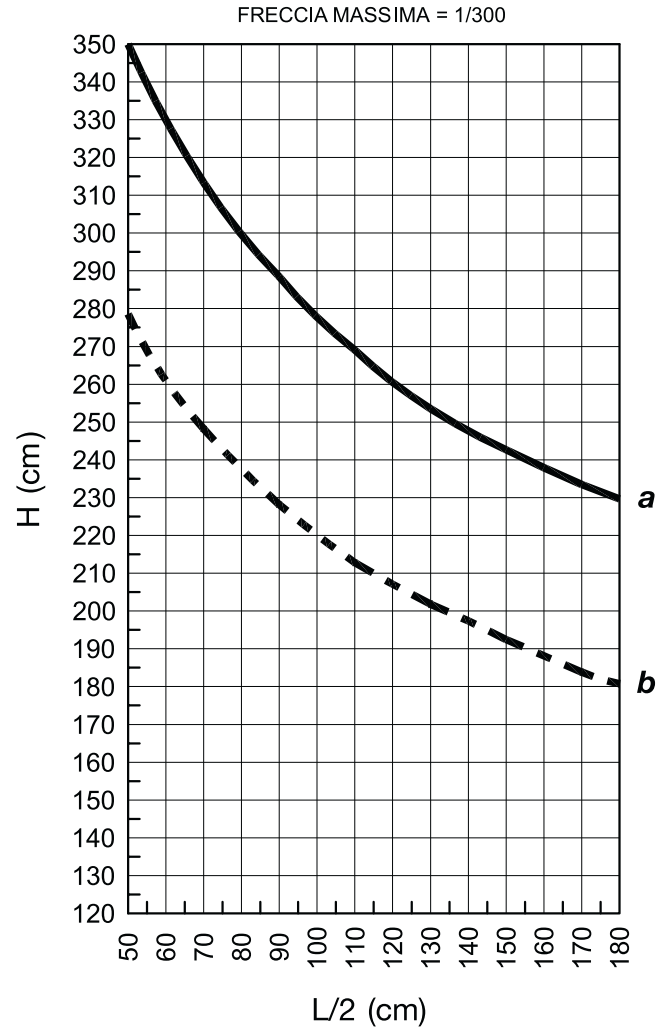
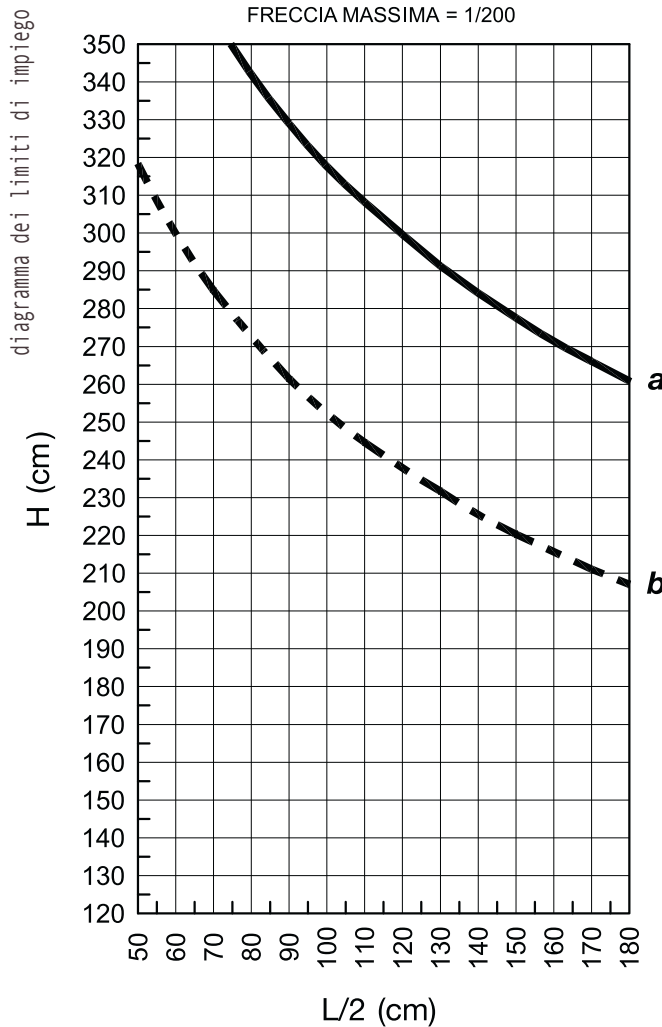


JX TEORICO = 51,9 cm⁴

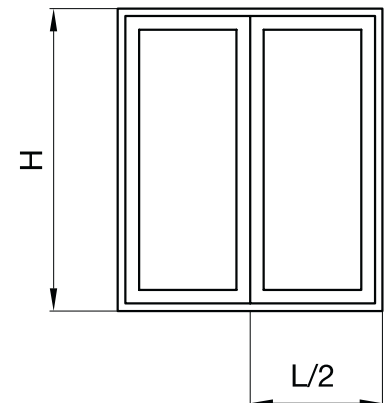
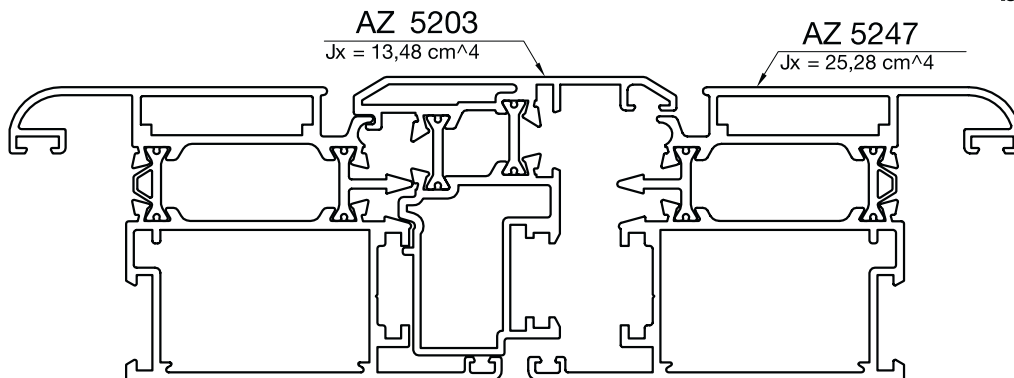
JX DI CALCOLO = 46,7 cm⁴



VERIFICARE CHE LA FRECCIA DEL PROFILATO
SIA COMPATIBILE CON IL VETRO IMPIEGATO

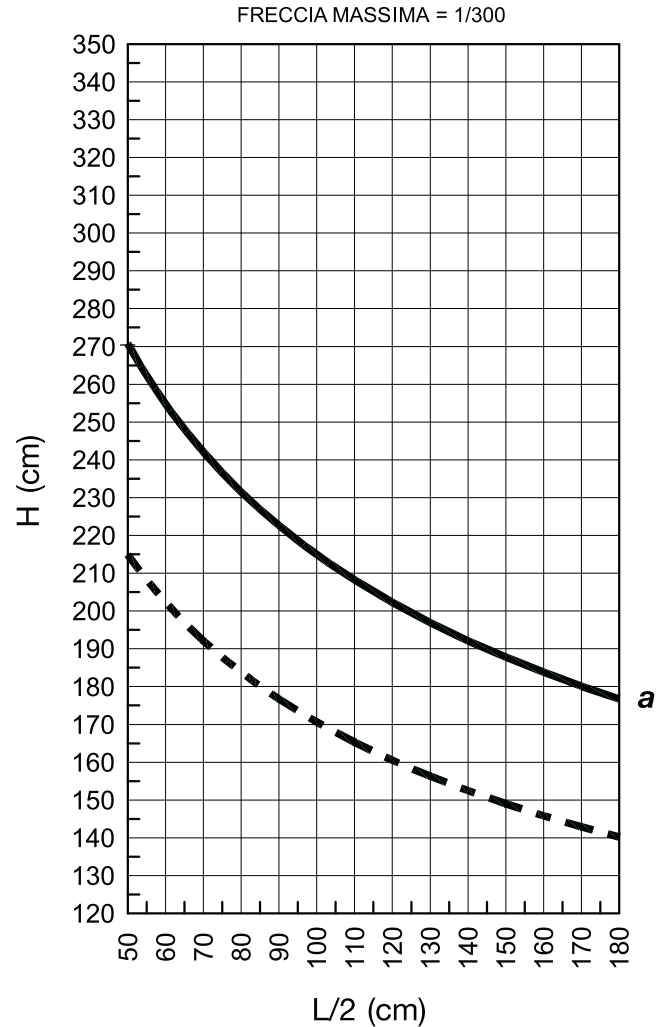
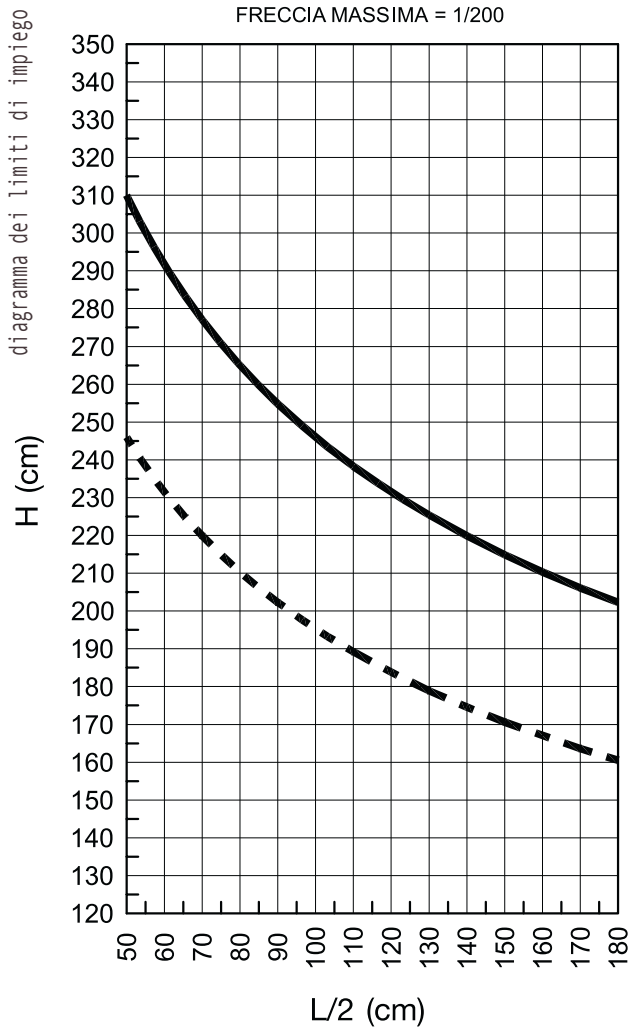


a = Pressione del vento 500 Pa
b = Pressione del vento 1000 Pa



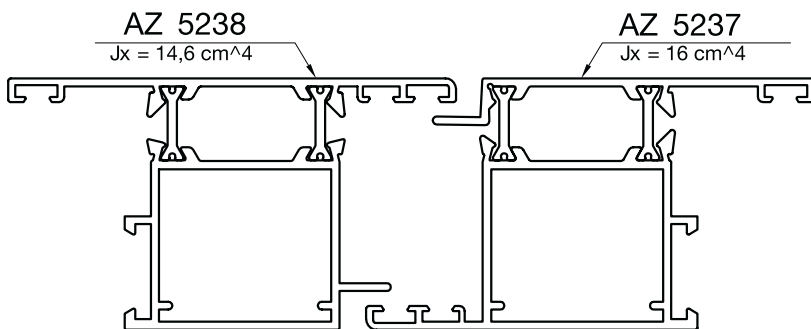
JX TEORICO = $66,7 \text{ cm}^4$
JX DI CALCOLO = 60 cm^4

VERIFICARE CHE LA FRECCIA DEL PROFILATO SIA COMPATIBILE CON IL VETRO IMPIEGATO

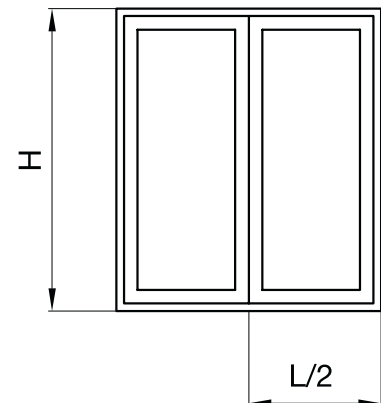


a = Pressione del vento 500 Pa

b = Pressione del vento 1000 Pa



Jx TEORICO = 30,8 cm⁴
Jx DI CALCOLO = 27,7 cm⁴



VERIFICARE CHE LA FRECCIA DEL PROFILATO SIA COMPATIBILE CON IL VETRO IMPIEGATO

COLLAUDI PRESTAZIONALI

Le prove di tenuta all'aria, all'acqua ed al carico del vento sono state eseguite nel rispetto delle seguenti norme:

- UNI EN 1026:2001** Determinazione della permeabilità all'aria
- UNI EN 1027:2000** Determinazione della tenuta all'acqua
- UNI EN 12211:2000** Determinazione della resistenza a carico del vento
- UNI EN 12207:2000, UNI EN 12208:2000, UNI EN 12210:2000 con EN 12210:1999/AC del gennaio 2001** Norme di classificazione

Classi di prestazione del Sistema Atlantis 55 TT
(Cert. Istituto Giordano N. 180583 del 25/02/2004)

Tipologia di prova		Norma di prova	Norma di classificazione	Classe
Permeabilità all'aria	riferita alla superficie apribile	UNI EN 1026	UNI EN 12207	4
	riferita alla lunghezza dei giunti apribili			4
	finale			4
Tenuta all'acqua		UNI EN 1027	UNI EN 12208	E 1200
Resistenza al carico del vento		UNI EN 12211	UNI EN 12211	C4

CALCOLI TERMICI ED ANALISI ENERGETICA

I calcoli e le verifiche termiche sono eseguiti con l'ausilio del programma software:

FLIXO 4.1 - "PROGRAMMA DI CALCOLO AGLI ELEMENTI FINITI"

Il programma è pienamente validato secondo gli standard europei, ai sensi della norma

UNI EN 10077-2 secondo i criteri dettati dalla norma stessa (cfr norma integrale) al punto 4.2:

• **Validazione del programma di calcolo**

Sono parte integrante del programma di calcolo tutte le norme di riferimento dettate dalla normativa base di riferimento per il calcolo:

- EN ISO 10077-2 (Prestazione termica di finestre e porte: Calcolo della trasmittanza termica - Parte 2: Metodo numerico per telai)
- EN ISO 12011-1 (Ponti termici - Flussi termici e temperature superficiali - Parte 1: Metodi di calcolo generali)
- e tutte le altre norme di riferimento citate per il corretto svolgimento dei calcoli e delle valutazioni tecniche.

In particolare l'**analisi termica ed energetica** si compone delle seguenti tavole:

- File di input/output con quote di massima, definizione e determinazione materiali, e dati generali di input usati per i calcoli e le analisi termiche
- Diagramma delle isoterme: andamento delle temperature
- Diagramma dei flussi: andamento del flusso di "calore"

Calcolo e determinazione secondo UNI EN ISO 10077-1 e UNI EN ISO 10077-2 di:

- Trasmittanza termica unitaria (U frame)
- Trasmittanza termica complessiva (U window)

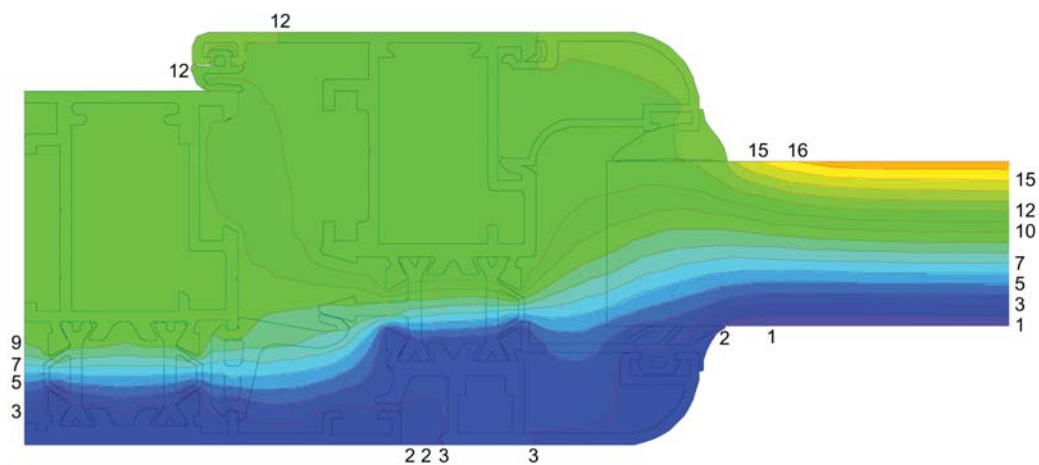
Calcolo e verifica energetica secondo DLgs 192:

- Verifica energetica secondo DLgs 192

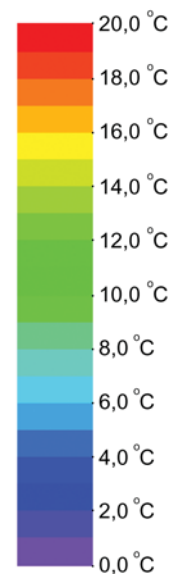
ANALISI TERMICA

Diagramma delle Isotherme

Temperatura interna 20 C°



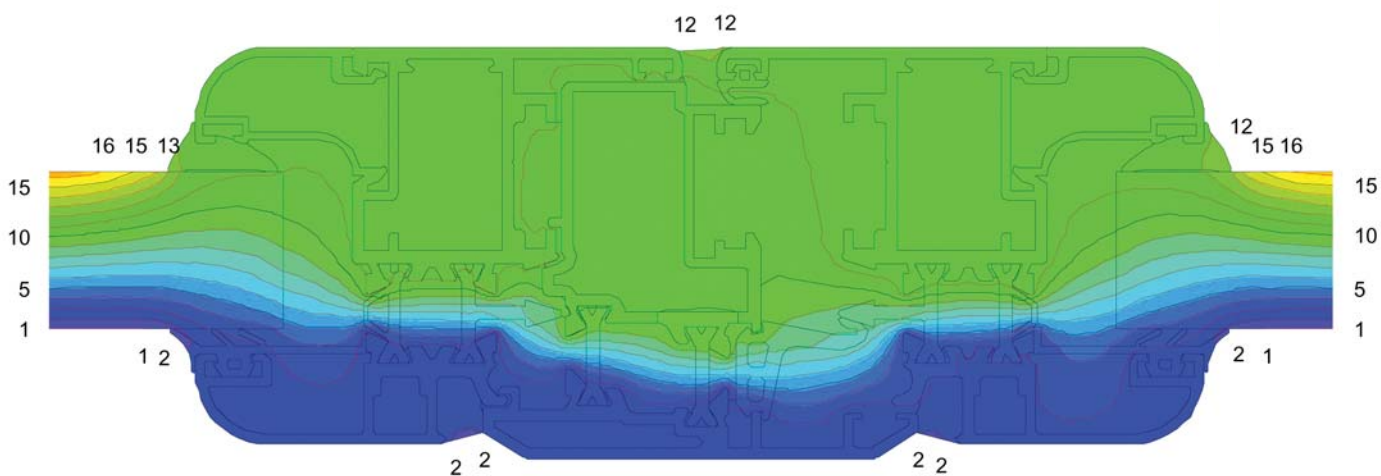
Temperatura esterna 0 C°



ANALISI TERMICA

Diagramma delle Isotherme

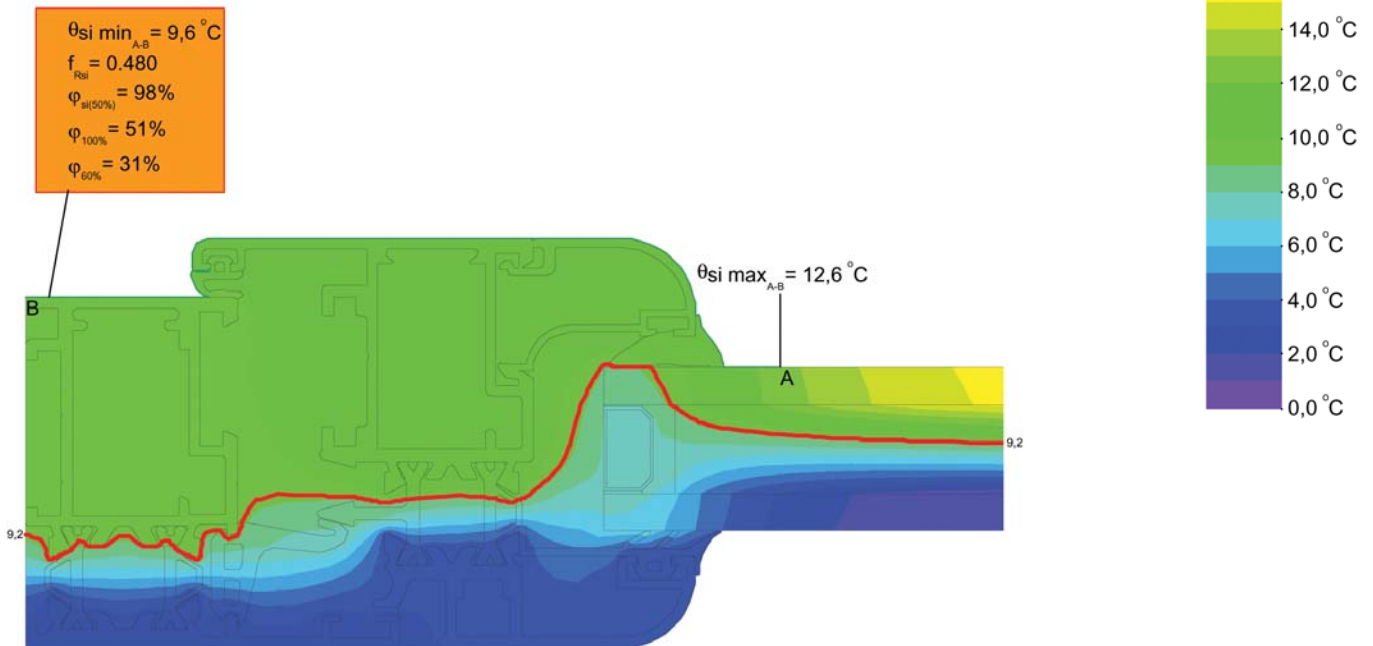
Temperatura interna 20 C°



Temperatura esterna 0 C°

DETERMINAZIONE DEL PUNTO DI RUGIADA

Temperatura di progetto
interna 20 C°
Umidità relativa interna 50%
Vetro considerato ($U_g=1,400 \text{ W/m}^2\cdot\text{K}$)



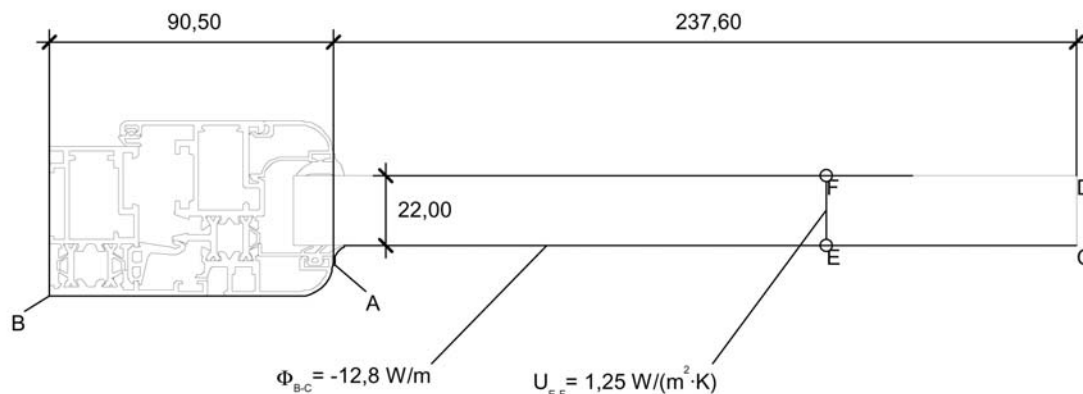
Temperatura di progetto esterna 0 C°
es. ROMA

Considerazioni

Dal grafico si evince che nelle condizioni di temperatura e umidità sopra riportate e con un vetro da $1,400 \text{ W/m}^2\cdot\text{K}$ non si verifica la formazione della condensa in quanto la linea rossa che definisce l'andamento nel nodo laterale del punto di rugiada rimane confinata all'interno.

ANALISI TERMICA

Calcolo trasmittanza termica unitaria U Frame - Nodo laterale



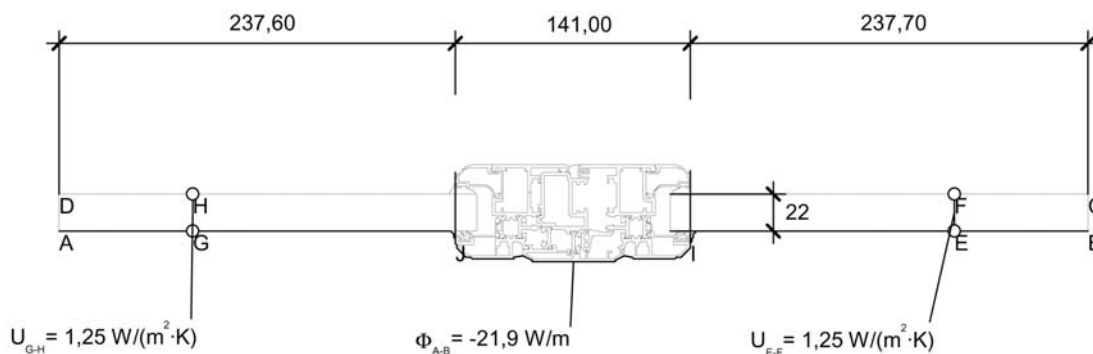
Formula di Calcolo
EN ISO 10077-2

RISULTATO FINALE
TRASMITTANZA TERMICA UNITARIA

$$U_{fA} = \frac{\frac{\Phi}{\Delta T} - U_p \cdot b_p}{b_f} = \frac{\frac{-12.765}{-20.000} - 1.252 \cdot 0.238}{0.091} = 3,76 \text{ W}/(\text{m}^2 \cdot \text{K})$$

ANALISI TERMICA

Calcolo trasmittanza termica unitaria U Frame - Nodo centrale



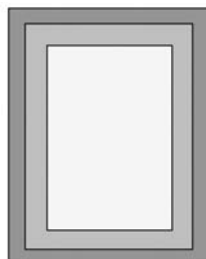
Formula di Calcolo
EN ISO 10077-2

RISULTATO FINALE
TRASMITTANZA TERMICA UNITARIA

$$U_{fA} = \frac{\frac{\Phi}{\Delta T} - U_{p1} \cdot b_{p1} - U_{p2} \cdot b_{p2}}{b_f} = \frac{\frac{-21.934}{-20.000} - 1.252 \cdot 0.238 - 1.252 \cdot 0.238}{0.141} = 3,56 \text{ W}/(\text{m}^2 \cdot \text{K})$$

Calcolo teorico secondo UNI EN ISO 10077-1**TRASMITTANZA TERMICA COMPLESSIVA DEL SERRAMENTO****CALCOLATA SECONDO NORME UNI EN ISO 10077-1 e 10077-2**Calcoli effettuati su FINESTRA 1 anta battente da **L = 1230 x H = 1480 mm**.Dimensione nodo telaio/anta = **90,5 mm**Realizzata con il sistema a taglio termico Atlantis 55 TT con nodo laterale valore **Uframe = W/M2k 3,76**

NB. Entrambe le condizioni Uw Max e Ug Max devono essere valide per essere a norma di legge

SISTEMA: ATLANTIS 55TT**FINESTRA AD 1 ANTA - L=1230 X H=1480****INPUT DATI**

• LARGHEZZA INFISSO "CAMPIONE"	1,230 m
• ALTEZZA INFISSO "CAMPIONE"	1,480 m
• VETRO UTILIZZATO NELL'INFISSO CAMPIONE *	
(Determinato dal PROPRIO VALORE Ug)	1,400 W/m ² K
• DIMENSIONE TELAIO (SEZIONE TELAIO + ANTA)	0,0905 m
• Ug = TRASMITTANZA TERMICA DELL'ELEMENTO VETRATO *	1,400 W/m ² K
• Uf = TRASMITTANZA TERMICA DEL TELAIO **	3,760 W/m ² K
• Yg = TRASMITTANZA TERMICA LINEARE ***	0,110 W/mK

OUTPUT VALORI

• Ag = AREA DEL VETRO	1,363 m ²
• Af = AREA DEL TELAIO	0,458 m ²
• Lg = LUNGHEZZA PERIMETRALE DELLA SUPERFICIE VETRATA	4,696 mt.
• At = SUPERFICIE TOTALE	1,820 m ²

Per il calcolo della **TRASMITTANZA TERMICA COMPLESSIVA** viene applicata la seguente formula secondo EN ISO 10077-1:

$$U_w = \frac{(U_g * A_g) + (U_f * A_f) + (\Psi_g * L_g)}{A_g + A_f} = \frac{4,145}{1,820} \frac{W/m^2K}{m^2}$$

TRASMITTANZA TERMICA DEL COMPONENTE FINESTRATO Uw = 2,277 W/m²K

N.B. Utilizzando un vetro da Ug=2,9 W/m²K si ottiene UW=3,4 W/m²K

* Come da Valori dichiarati dal vetraio e dal costruttore

** Valori risultati da calcoli TEORICI secondo prENISO 10077-2 con programma di calcolo numerico agli elementi finiti

*** Valore ricavato da combinazione telaio / distanziatore / vetro secondo "annex e" da ISO/DIS 10077-1

Determinazione Trasmittanza Termica Complessiva ed Analisi situazione territoriale in applicazione al decreto legislativo 192 del 19 Agosto 2005 valido dal 1 gennaio 2006

ZONE CLIMATICHE ITALIANE

Zona	Gradi giorno	Periodo	Ore	Esempi
A	fino a 600	1 Dicembre - 15 Marzo	6	Lampedusa, Linosa, Porto Empedocle
B	da oltre 600 a 900	1 Dicembre - 31 Marzo	8	Agrigento, Catania, Crotone, Messina, Palermo, Reggio Calabria, Siracusa, Trapani
C	da oltre 900 a 1400	15 Novembre - 31 Marzo	10	Bari, Benevento, Brindisi, Cagliari, Caserta, Catanzaro, Cosenza, Imperia, Latina, Lecce, Napoli, Oristano, Ragusa, Salerno, Sassari, Taranto
D	da oltre 1400 a 2100	1 Novembre - 15 Aprile	12	Ancona, Ascoli Piceno, Avellino, Caltanissetta, Chieti, Firenze, Foggia, Forlì, Genova, Grosseto, Isernia, La Spezia, Livorno, Lucca, Macerata, Massa, Carrara, Matera, Nuoro, Pesaro, Pesaro, Pescara, Pisa, Pistoia, Prato, Roma, Savona, Siena, Teramo, Terni, Verona, Vibo Valentia, Viterbo
E	da oltre 2100 a 3000	15 Ottobre - 15 Aprile	14	Alessandria, Aosta, Arezzo, Asti, Bergamo, Biella, Bologna, Bolzano, Brescia, Campobasso, Como, Cremona, Enna, Ferrara, Cesena, Frosinone, Gorizia, L'Aquila, Lecco, Lodi, Mantova, Milano, Modena, Novara, Padova, Parma, Pavia, Perugia, Piacenza, Pordenone, Potenza, Ravenna, Reggio Emilia, Rieti, Rimini, Rovigo, Sondrio, Torino, Trento, Treviso, Trieste, Udine, Varese, Venezia, Verbania, Vercelli, Vicenza
F	oltre 3000	Nessuna limitazione	24	Belluno, Cuneo

TABELLA CON VETRO DA $U_g = 2,9 \text{ W/m}^2\text{K}$

in vigore a partire dal 1/1/2006

DATI SISTEMA ANALIZZATO			zona A		zona B		zona C		zona D		zona E		zona F	
Valore U frame $\text{W/m}^2\text{K}$	Valore U glass $\text{W/m}^2\text{K}$	Valore U window $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$
3,76	2,9	3,4	ok	ok	ok	ok	NON IDONEO	NON IDONEO	NON IDONEO	NON IDONEO	NON IDONEO	NON IDONEO	NON IDONEO	NON IDONEO

in vigore a partire dal 1/1/2009

DATI SISTEMA ANALIZZATO			zona A		zona B		zona C		zona D		zona E		zona F	
Valore U frame $\text{W/m}^2\text{K}$	Valore U glass $\text{W/m}^2\text{K}$	Valore U window $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$
3,76	2,9	3,4	ok	ok	ok	ok	NON IDONEO	NON IDONEO	NON IDONEO	NON IDONEO	NON IDONEO	NON IDONEO	NON IDONEO	NON IDONEO

TABELLA CON VETRO DA $U_g = 1,4 \text{ W/m}^2\text{K}$

in vigore a partire dal 1/1/2006

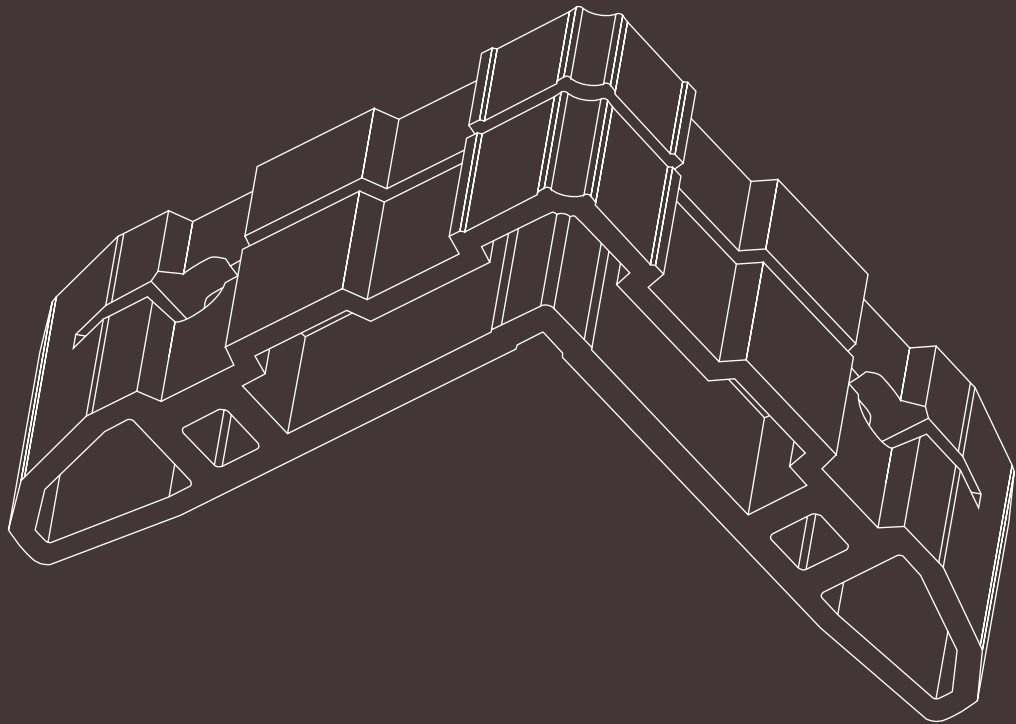
DATI SISTEMA ANALIZZATO			zona A		zona B		zona C		zona D		zona E		zona F	
Valore U frame $\text{W/m}^2\text{K}$	Valore U glass $\text{W/m}^2\text{K}$	Valore U window $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$
3,76	1,4	2,277	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok

in vigore a partire dal 1/1/2009

DATI SISTEMA ANALIZZATO			zona A		zona B		zona C		zona D		zona E		zona F	
Valore U frame $\text{W/m}^2\text{K}$	Valore U glass $\text{W/m}^2\text{K}$	Valore U window $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$	U window max $\text{W/m}^2\text{K}$	U glass max $\text{W/m}^2\text{K}$
3,76	1,4	2,277	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	NON IDONEO

NOTE





ACCESSORI ATLANTIS 55TT "VARI"

sigla	profilo	descrizione
Ra 1033		CAPPETTA DI DRENAGGIO
Ra 1404		REGOLATORE A MURO
Ra 1420		CAVALLOTTO PER AZ5206
Ra 1421		CAVALLOTTO PER AZ5256
Ra 1422		ANGOLI PER FERMAVETRI ARROTONDATI
Ra 2601		BOCCOLA SCARICO ACQUA
Ra 1737		CLIP PER FERMAVETRI




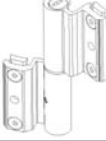

ACCESSORI ATLANTIS 55TT "SQUADRETTE"

sigla	profilo	descrizione
Ra 1048		SQUADRETTA PRESSOFUSA A TIRAGGIO ESTERNO
Ra 1411		SQUADRETTA DI ALLINEAMENTO PER IMBOTTI CAPANNONI
Ra 1423		SPINA DA 13,5 mm
Ra 1702		SQUADRETTA DI ALLINEAMENTO PER SEDE GUARNIZIONE TELAI
Ra 1704		SQUADRETTA DI ALLINEAMENTO
Ra 1705		SQUADRETTA A SPINARE CASSA INTERNA
Ra 1706		SQUADRETTA A TIRAGGIO MECCANICO CASSA INTERNA
Ra 1707		SQUADRETTA A SPINARE CASSA INTERNA PER PROFILI MAGGIORATI
Ra 1708		SQUADRETTA A TIRAGGIO MECCANICO CASSA INTERNA PER PROFILI MAGGIORATI
Ra 1710		SQUADRETTA DI ALLINEAMENTO CASSA ESTERNA
Ra 1711		SQUADRETTA A CIANFRINARE CASSA INTERNA






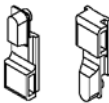
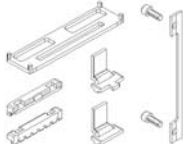
ACCESSORI ATLANTIS 55TT "VARI"

sigla	profilo	descrizione
Ra 1712		SQUADRETTA A CIANFRINARE CASSA ESTERNA PER AZ5208 e AZ5225
Ra 1713		SQUADRETTA A CIANFRINARE CASSA ESTERNA PER AZ5242 e AZ5247
Ra 1714		SQUADRETTA A CIANFRINARE CASSA INTERNA PER AZ5242 e AZ5247



ACCESSORI ATLANTIS 55TT "CERNIERE"

sigla	profilo	descrizione
Ra 1427		CERNIERA FLASH BASE
Ra 1428		CERNIERA FLASH BASE PER SOLUZIONE COMPLANARE O 3° ANTA
Ra 1430		CERNIERA PER PORTE FLASH XL
Ra 1431		CERNIERE PER PORTE FLASH XL SOL. COMPLANARE O 3° ANTA
Ra 1440		CERNIERA PER VASISTAS



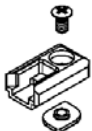
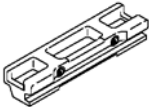
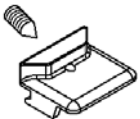
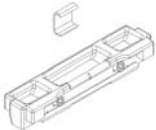





ACCESSORI ATLANTIS 55TT "CREMONESI"

sigla	profilo	descrizione
Ra 1031		CREMONESE UNICA
Ra 1055		CREMONESE "DOMINGA" PER AZ 5251
Ra 1056		CREMONESE PRIMA
Ra 1057		CREMONESE PRIMA 900 PER ANTA RIBALTA
Ra 1429		CRICCHETTO CICO
Ra 1447		BLOCCHETTI DI COLLEGAMENTO PER CREMONESE PRIMA Ra 1056
Ra 1454		BLOCCHETTI DI COLLEGAMENTO CON VITI DA ABBINARE A Ra 1031 PER APERTURA INTERNA



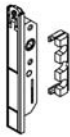
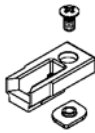


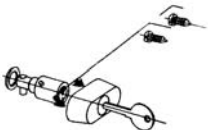
ACCESSORI ATLANTIS 55TT "TAPPI"

sigla	profilo	descrizione
Ra 1700		TAPPO PER RISCONTRO CENTRALE AZ5203 (GIUNTO APERTO)
Ra 1701		TAPPO DI FINITURA SUPERIORE SERIE PORTE

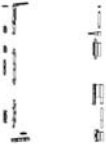







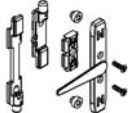


ACCESSORI ATLANTIS 55TT "ACCESSORI DI CHIUSURA"

sigla	profilo	descrizione
Ra 1002		TERMINALE PER ASTE
Ra 1035		CATENACCIO GIAP IN NYLON
Ra 2905		INCONTRO ASTE E TERZA CHIUSURA IN ZAMA
Ra 2906		INCONTRO SINGOLO DOPPIO IN NYLON
Ra 2907		INCONTRO PER art. Ra 2918
Ra 2908		INCONTRO DOPPIO IN ZAMA
Ra 2909		ROSTRO DI CHIUSURA REGISTRABILE SU LATO CERNIERA
Ra 2910		BRACCIO LIMITATORE DI APERTURA FRIZ
Ra 2911		BRACCIO LUNGO RALLENTY mm250
Ra 2912		BRACCIO CORTO RALLENTY mm150
Ra 2913		CATENACCIO CON PUNTALE ECCENTRICO REGISTRABILE







ACCESSORI ATLANTIS 55TT "ACCESSORI DI CHIUSURA"

sigla	profilo	descrizione
Ra 2914		TAPPO SOSTENIMENTO ANTE
Ra 2915		MARTELLINA MASTERMAR
Ra 2918		NOTTOLINO DI CHIUSURA SUPPLEMENTARE
Ra 1433		MOVIMENTAZIONE INTERNA BIDIREZIONALE
Ra 1436		INCONTRO DOPPIO E TERZA CHIUSURA IN NYLON
Ra 1437		INCONTRO SINGOLO IN ZAMA
Ra 1441		TERMINALE REGISTRABILE CON PUNTALE ECCENTRICO
Ra 1444		CATENACCIO BIDIREZIONALE A LEVA
Ra 1445		FERMA ANTA
Ra 1452		ASTINA DI COLLEGAMENTO 15/20 IN POLIAMMIDE (Rotolo da 250m)
Ra 1457		SERRATURA DI BLOCCAGGIO

ACCESSORI ATLANTIS 55TT "ANTA RIBALTA BASE"

sigla	profilo	descrizione
Ra 1458		MECC. BASE AR FUTURA
Ra 1459		BRACCIO TIPO 1 AR FUTURA
Ra 1460		BRACCIO TIPO 2 AR FUTURA
Ra 1461		CHIUSURA SUPPLEMENTARE FUTURA
Ra 2921		CATENACCIO REGISTRABILE ANTA ABBINATA
Ra 2922		CATENACCIO GIAP ANTA ABB. AD A/R IN NYLON
Ra 2923		BRACCIO SUPPLEMENTARE PER A/R
Ra 1456		CATENACCIO ANTA ABBINATA AD A/R
Ra 1443		CATENACCIO BID. A LEVA PER A/R
Ra 1435		MOVIMENTAZIONE INTERNA MONODIREZIONALE PER A/R
Ra 1462		CERNIERA ANTA ABBINATA A Ra 1458

ACCESSORI ATLANTIS 55TT "ANTA RIBALTA PER SOLUZIONE COMPLANARE"

sigla	profilo	descrizione
Ra 1455		MECCANISMO ANTA RIBALTA PER SOLUZIONE COMPLANARE
Ra 1025		CATENACCI ANTA ABBINATA APPLICABILE A RA 1455
Ra 1044		BRACCIO TIPO 1 A.R APPLICABILE A RA 1455
Ra 1045		BRACCIO TIPO 2 A.R APPLICABILE A RA 1455
Ra 2919		CHIUSURE SUPPL. VERTICALI APPLICABILE A RA 1455
Ra 2920		CHIUSURE SUPPL. ORIZZONTALI APPLICABILE A RA 1455

ACCESSORI ATLANTIS 55TT "BILICO"

sigla	profilo	descrizione
Ra 1439		MANIGLIA A TAVELLINO "BRAVO 1" PER BILICO
Ra 2916		MARTELLINA LINEA PRIMA PER BILICO
Ra 1453		RINVIO AD ANGOLO PER CHIUSURA PERIMETRALE BILICO
Ra 1446		PERNO DI COLLEGAMENTO
Ra 1434		MOVIMENTAZIONE INTERNA BID. PER BILICO
Ra 1736		SNODO A FRIZIONE PER BILICO

ACCESSORI ATLANTIS 55TT "SPORGERE"

sigla	profilo	descrizione
Ra 1729		BRACCIO PER SPORGERE
Ra 1730		MANIGLIA A TAVELLINO "BRAVO 1" PER SPORGERE
Ra 1731		KIT PER APERTURA ESTERNA MONODIREZIONALE

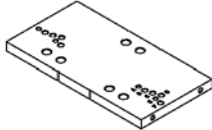
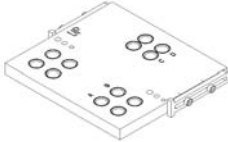

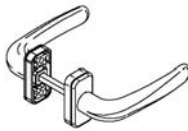

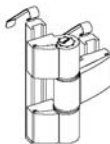
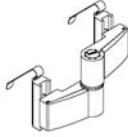
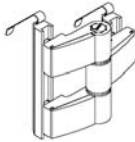



ACCESSORI ATLANTIS 55TT "SPORGERE"

sigla	profilo	descrizione
Ra 1732		TRAINO PER ASTINA
Ra 1733		BRACCI LASER INOX
Ra 1734		BRACCI LASER ZINCATO






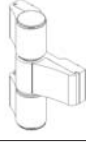

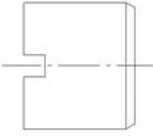



ACCESSORI ATLANTIS 55TT "MONOBLOCCO"

sigla	profilo	descrizione
Ra 1036		PASSACINTINO
Ra 1058		TAPPO RACCOGLI CONDENSA
Ra 1073		TAPPI CASSONETTO MONOBLOCCO
Ra 1419		COPPIA INVITI PER GUIDA TAPPARELLA
Ra 1476		KIT MOVIMENTAZIONE MONOBLOCCO

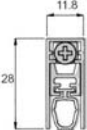
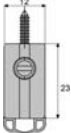
ACCESSORI ATLANTIS 55TT "SERIE PORTA"

sigla	profilo	descrizione
Ra 1449		DIMA PER CERNIERE DOMINA
Ra 1450		DIMA PER CERNIERE DOMINA HP
Ra 1466		DOPPIA MANIGLIA PER MONTANTE
Ra 1467		DOPPIA MANIGLIA PER FASCIA
Ra 1715		CERNIERA DOMINA 2 ALI INT. 61 mm.
Ra 1716		CERNIERA DOMINA 3 ALI INT. 61 mm.
Ra 1717		CERNIERA DOMINA 2 ALI INT. 90,5 mm. PER APERTURA ESTERNA
Ra 1718		CERNIERA DOMINA 3 ALI INT. 90,5 mm. PER APERTURA ESTERNA
Ra 1719		BOCCOLE TELESCOPICHE PER CERNIERE Ra 1717 A Ra 1718
Ra 1720		VITI M4 X 40
Ra 1721		PUNTA DI FORATURA PER BOCCOLE

ACCESSORI ATLANTIS 55TT "SERIE PORTA"

sigla	profilo	descrizione
Ra 1722		RONDELLA PER REGOLAZIONE IN ALTEZZA CERNIERE
Ra 1723		CHIAVE DI REGISTRAZIONE
Ra 1724		CERNIERA DOMINA HP 2 ALI INT. 62,5 mm.
Ra 1725		CERNIERA DOMINA HP 3 ALI INT. 62,5 mm.
Ra 1726		CERNIERA DOMINA HP 2 ALI INT. 84 mm. PER APERTURA ESTERNA
Ra 1727		CERNIERA DOMINA HP 3 ALI INT. 84 mm. PER APERTURA ESTERNA
Ra 1728		CLIP PER IL FISSAGGIO DEI PIASTRINI
Ra 2318		BOCCOLE TELESCOPICHE PER CERNIERE Ra 1726 e Ra 1727
Ra 2321		UTENSILE ALLARGATORE DA 11 mm. A 15 mm.
Ra 2323		CATENACCIO TOTEM PER SERIE PORTA
Ra 2324		INCONTRO PER CATENACCIO TOTEM Ra 2323

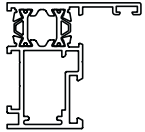
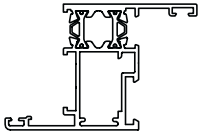
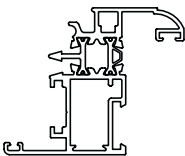
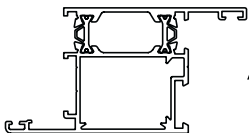
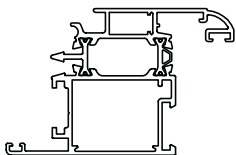
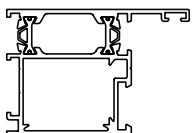
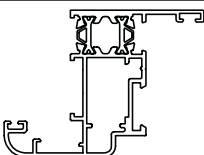
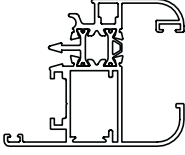
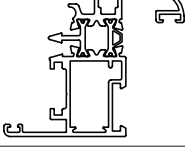
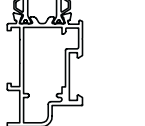
ACCESSORI ATLANTIS 55TT "SERIE PORTA"

sigla	profilo	descrizione
Ra 2327		KIT DI TENUTA SOTTOZOCICOLO 1
Ra 2328		KIT DI TENUTA SOTTOZOCICOLO 2

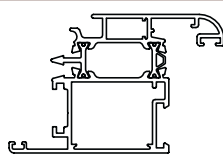
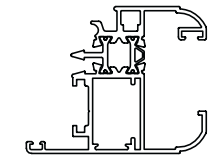
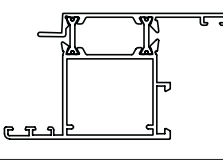
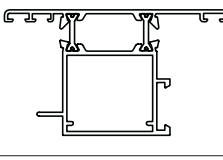
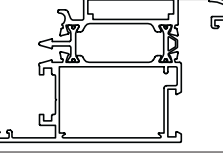
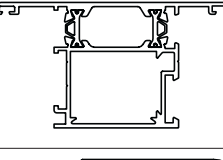
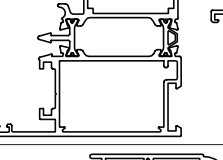
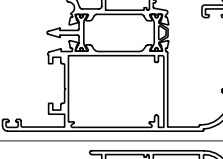
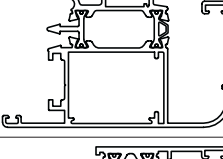
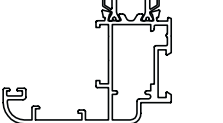
ACCESSORI ATLANTIS 55TT "SERIE PORTA"

sigla	profilo	descrizione
Ra 1735		GRUPPO FRESA ATLANTIS 55TT
Ra 1074		PUNZONATRICE ATLANTIS

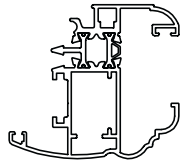
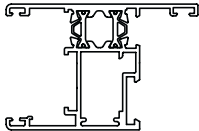
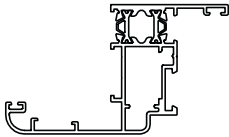
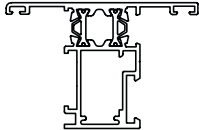
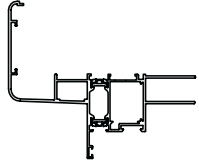
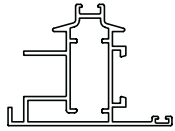
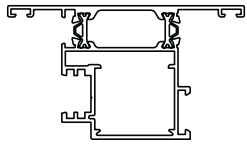
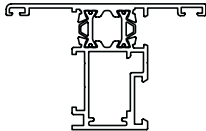
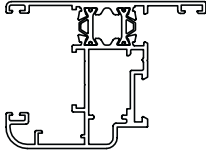
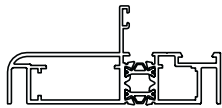
profilati scala ridotta

		CASSA ESTERNA		CASSA INTERNA			
	AZ 5201	Ra 1702	—	—	Ra 1711	Ra 1705	Ra 1706
	AZ 5202	Ra 1702	—	—	Ra 1711	Ra 1705	Ra 1706
	AZ 5204	Ra 1710	—	—	Ra 1711	Ra 1705	Ra 1706
	AZ 5207	Ra 1702	—	—	—	Ra 1707	Ra 1708
	AZ 5208	Ra 1704	Ra 1712	—	—	Ra 1707	Ra 1708
	AZ 5215	Ra 1702	—	—	—	Ra 1707	Ra 1708
	AZ 5216	Ra 1702	—	Ra 1704	Ra 1711	Ra 1705	Ra 1706
	AZ 5217	Ra 1710	—	—	Ra 1711	Ra 1705	Ra 1706
	AZ 5219	Ra 1710	—	—	Ra 1711	Ra 1705	Ra 1706
	AZ 5220	Ra 1702	—	—	Ra 1711	Ra 1705	Ra 1706

profilati scala ridotta

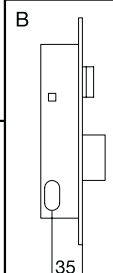
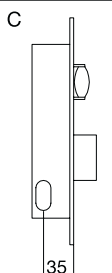
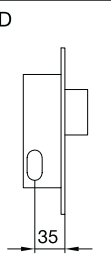
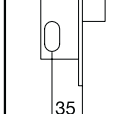
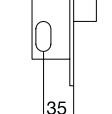
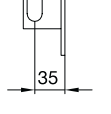
		CASSA ESTERNA		CASSA INTERNA			
	AZ 5225	Ra 1704	Ra 1712	—	—	Ra 1707	Ra 1708
	AZ 5226	Ra 1710	—	—	Ra 1711	Ra 1705	Ra 1706
	AZ 5237	—	—	—	—	Ra 1707	Ra 1708
	AZ 5238	—	—	—	—	Ra 1707	Ra 1708
	AZ 5242	—	Ra 1713	—	—	Ra 1714	—
	AZ 5245	Ra 1702	—	—	—	Ra 1707	Ra 1708
	AZ 5247	—	Ra 1713	—	—	Ra 1714	—
	AZ 5248	Ra 1704	Ra 1712	—	—	Ra 1707	Ra 1708
	AZ 5249	Ra 1704	Ra 1712	—	—	Ra 1707	Ra 1708
	AZ 5250	Ra 1702	—	Ra 1704	Ra 1711	Ra 1705	Ra 1706

profilati scala ridotta

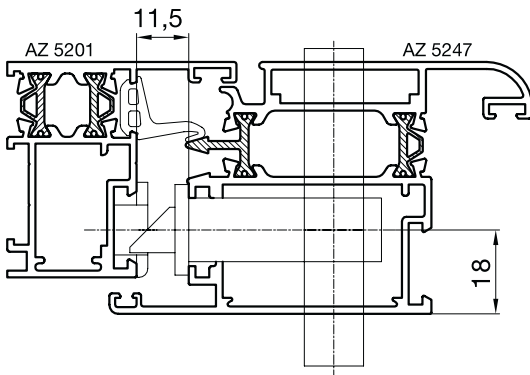
		CASSA ESTERNA		CASSA INTERNA			
	AZ 5251	Ra 1710	—	—	Ra 1711	Ra 1705	Ra 1706
	AZ 5252	Ra 1702	—	—	Ra 1711	Ra 1705	Ra 1706
	AZ 5254	Ra 1702	—	Ra 1704	Ra 1711	Ra 1705	Ra 1706
	AZ 5255	Ra 1702	—	—	Ra 1711	Ra 1705	Ra 1706
	AZ 5258	Ra 1411	Ra 1705 Ra 1706	—	—	Ra 1707	Ra 1708
	AZ 5259	—	—	—	Ra 1711	Ra 1705	Ra 1706
	AZ 5260	—	—	—	—	Ra 1707	—
	AZ 5261	Ra 1702	—	—	Ra 1711	Ra 1705	Ra 1706
	AZ 5262	Ra 1702	—	Ra 1704	Ra 1711	Ra 1705	Ra 1706
	AZ 5263	—	Ra 1048	—	—	—	H = 15 mm B = 17,5 mm

profilati scala ridotta

		CASSA ESTERNA		CASSA INTERNA			
	AZ 5267	Ra 1704	Ra 1711 Ra 1705 Ra 1706	—	—	—	—
	AZ 5268	Ra 1702	—	—	—	Ra 1707	Ra 1708
	AZ 4591	—	—	Ra 1411	—	—	Ra 1048
	AZ 4592	—	—	Ra 1411	—	—	Ra 1048
	AZ 4617	—	—	—	—	—	Ra 1048

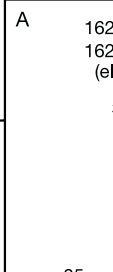
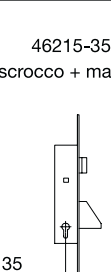
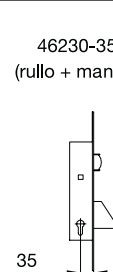
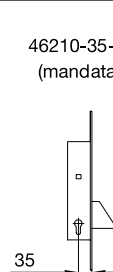
Serrature a montante (cilindro ovale)	 <p>44221-35-0 (scrocco + 1 mandata)</p>	 <p>44231-35-0 (rullo + 1 mandata)</p>	 <p>44241-35-0 (1 mandata)</p>
	 <p>44226-35-0 (scrocco + 2 mandate)</p>	 <p>44236-35-0 (rullo + 2 mandate)</p>	 <p>44246-35-0 (2 mandate)</p>

PORTA APERTURA INTERNA 1 ANTA

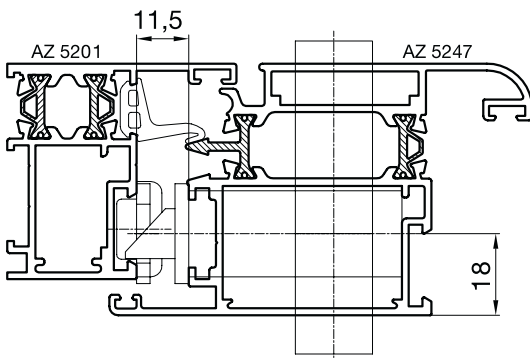


Cilindro	Contropiastra in nylon			Testata
	B	C	D	
08210-06-0 L=62.7 (27.7, 35)	06277-88	06277-90	06287-89	20

NB: Schema valido anche per porta a due ante

Serrature a montante (Catenaccio Basculante) 1 punto di chiusura	 <p>16215-35-0 16205-35-0 (elettrica)</p>	 <p>46215-35-0 (scrocco + mandata)</p>	 <p>46230-35-0 (rullo + mandata)</p>	 <p>46210-35-0 (mandata)</p>
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PORTA APERTURA INTERNA 1 ANTA



Cilindro Sagomato		Testata
Con borchie	Senza borchie	
0E300-11-0-12 L=69 (26.5-42.5)	0E300-11-0-12 L=69 (26.5-42.5)	22

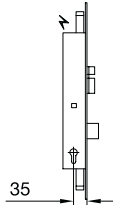
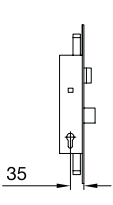
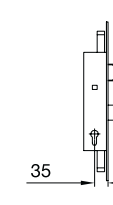
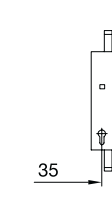
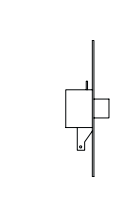
Contropiastra regolabile in metallo		
A-B	C	D
06463-22	06463-22 (*)	06465-22
inserto per rullo 06141-71-0(*)		

NB: Schema valido anche per porta a due ante

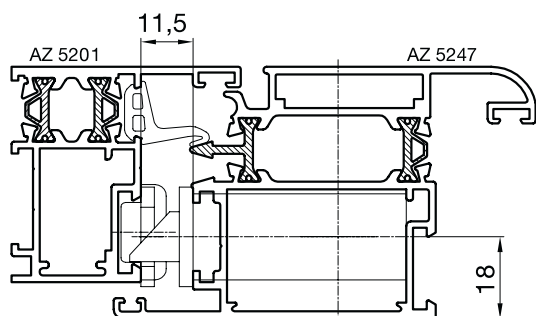
TABELLA UTILIZZO SERRATURE

- Serrature per serie porta a giunto aperto (apertura interna) -

Serrature di sicurezza montante ad ingranaggi (cilindro sagomato) 3 punti di chiusura

<p>A</p> <p>18225-35-0 (elettrica)</p> 	<p>B</p> <p>48225-35-0 (scrocco + mandata)</p> 	<p>C</p> <p>48250-35-0 (rullo + mandata)</p> 	<p>D</p> <p>48220-35-0 (mandata)</p> 	<p>E</p> <p>06443-25-0 (aste esterne)</p> 
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PORTA APERTURA INTERNA 1 ANTA

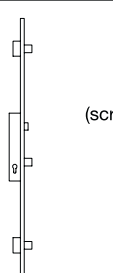
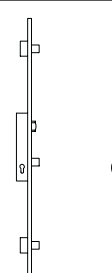
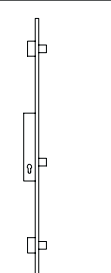


Cilindro Sagomato		Testata
Con borchie	Senza borchie	
0E300-11-0-12 L=69 (26.5-42.5)	0E300-11-0-12 L=69 (26.5-42.5)	22

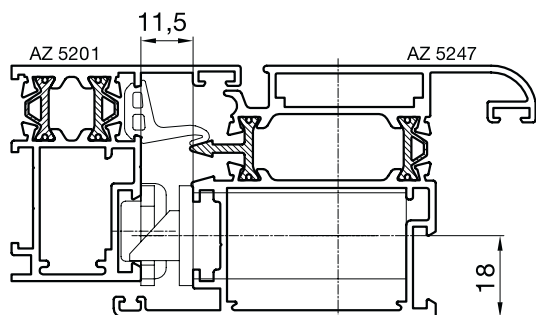
Contropiastra regolabile in metallo			
A-B	C	D	E
06463-32	06463-32 (*)	06465-22	06465-32
inserto per rullo 06141-71 (*)			

NB: Schema valido anche per porta a due ante

Serrature multitop (frontale "piatto")

<p>A</p> <p>48525-35-0 (scrocco + mandata)</p> <p>18525-35-0 (elettrica)</p> 	<p>B</p> <p>48550-35-0 (rullo + mandata)</p> 	<p>C</p> <p>48520-35-0 (mandata)</p> 
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PORTA APERTURA INTERNA 1 ANTA

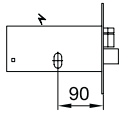
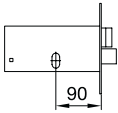
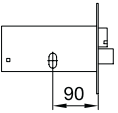
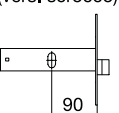


Cilindro Sagomato		Testata
Con borchie	Senza borchie	
0E300-11-0-12 L=69 (26.5-42.5)	0E300-11-0-12 L=69 (26.5-42.5)	24x3

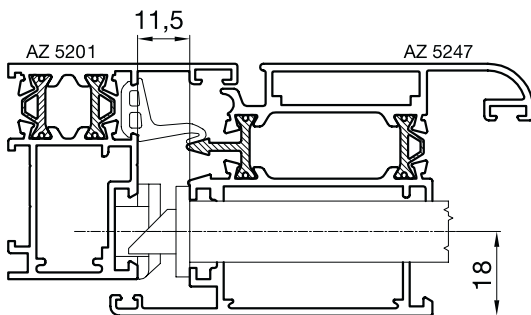
Contropiastra regolabile in metallo			
A	B	C	Deviatori
06463-32	06463-32 (*)	06465-22	06465-32 (pz. 2)
inserto per rullo 06141-71 (*)			

NB: Schema valido anche per porta a due ante

**Serrature da fascia
(cilindro ovale)**

A	B	C	D
14451-90-0 14461-90-0 (elettrica)	44461-90-0 (scrocco + mandata)	44471-90-0 (rullo + mandata)	44161-90-0 (vers. rullo) 44151-90-0 (vers. scrocco)
			

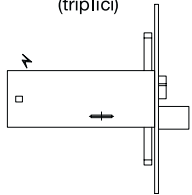
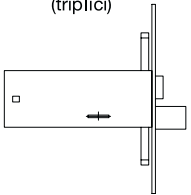
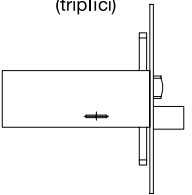

PORTA APERTURA INTERNA 1 ANTA



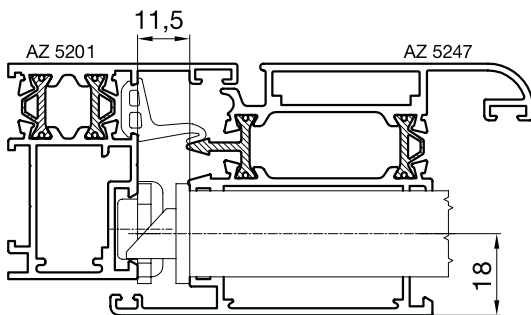
Cilindro	Contropiastra in nylon			Testata
	A-B	C	D	
08210-06-0	06277-89	06277-90	06287-89	20

NB: Schema valido anche per porta a due ante

**Serrature da fascia
a doppia mappa**

A	B	C	D
17357-10-0 (elettrica) (triplici)	57357-10-0 (scrocco + mandata) (triplici)	57365-10-0 (rullo + mandata) (triplici)	06443-05-0 (aste esterne)
			

PORTA APERTURA INTERNA 1 ANTA



Contropiastra regolabile in metallo			Testata
A-B	C	D	
06465-22	06465-22 (*)	06465-22	22
inserto per rullo 06141-71 (*)			

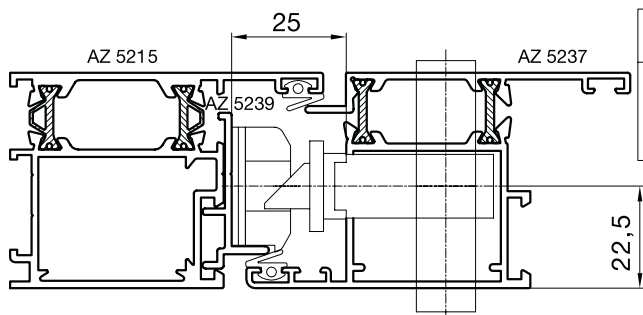
NB: Schema valido anche per porta a due ante

TABELLA UTILIZZO SERRATURE

- Serrature per serie porta a doppia battuta (apertura interna) -


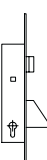


Serrature a montante (cilindro ovale)	B	44221-30-0 (scrocco + 1 mandata)	C	44231-30-0 (rullo + 1 mandata)	D	44241-30-0 (1 mandata)
		44226-30-0 (scrocco + 2 mandate)		44236-30-0 (rullo + 2 mandate)		44246-30-0 (2 mandate)

PORTA APERTURA INTERNA 1 ANTA

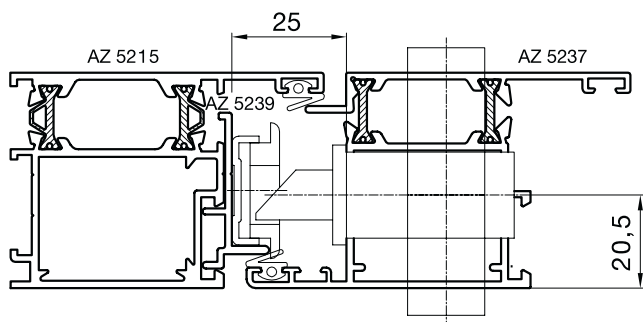


Cilindro	Contropiastra in nylon			Testata	Spessore
	B	C	D		
08210-02-0 L=55.4 (27.7, 27.7)	06277-94	06277-96	06287-95	20	06141-65

NB: Schema valido anche per porta a due ante

Serrature a montante (Catenaccio Basculante) 1 punto di chiusura	A	16215-25-0 16205-25-0 (elettrica)	B	46215-25-0 (scrocco + mandata)	C	46230-25-0 (rullo + mandata)	D	46210-25-0 (mandata)
								

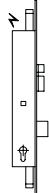
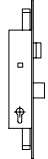
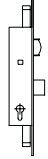
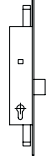
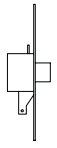
PORTA APERTURA INTERNA 1 ANTA



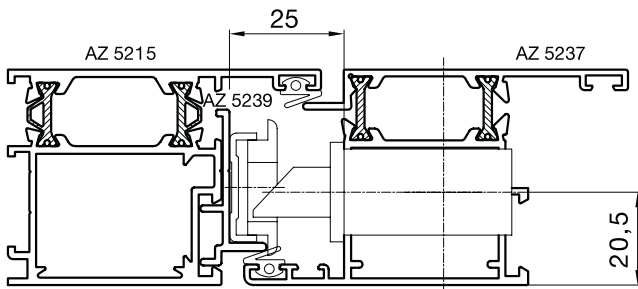
Cilindro Sagomato		Testata
Con borchie	Senza borchie	
0E300-08-0-12 L=59.2 (27.7-31.5)	0E300-05-0-12 L=55.4 (27.7-27.7)	22

Contropiastra regolabile in metallo		
A-B	C	D
06463-04	06463-04 (*)	06465-04
inserto per rullo 06141-70-0(*)		

NB: Schema valido anche per porta a due ante

<p>Serrature di sicurezza montante ad ingranaggi (cilindro sagomato) 3 punti di chiusura</p>	<p>A</p> <p>18225-25-0 (elettrica)</p> 	<p>B</p> <p>48225-25-0 (scrocco + mandata)</p> 	<p>C</p> <p>48250-25-0 (rullo + mandata)</p> 	<p>D</p> <p>48220-25-0 (mandata)</p> 	<p>E</p> <p>06443-20-0 (aste interne)</p> 
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PORTA APERTURA INTERNA 1 ANTA



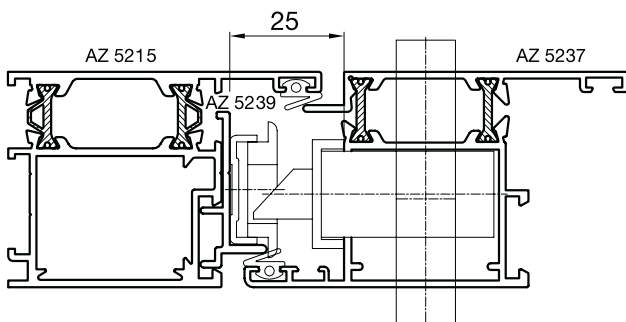
Cilindro Sagomato		Testata
Con borchie	Senza borchie	
0E300-08-0-12 L=59.2 (27.7-31.5)	0E300-05-0-12 L=55.4 (27.7-27.7)	22

Contropiastra regolabile in metallo			
A-B	C	D	E
06463-14	06463-14 (*)	06465-04	06465-14
inserto per rullo 06141-70 (*)			

NB: Schema valido anche per porta a due ante

<p>Serrature multitop (frontale a "U")</p>	<p>A</p> <p>48425-25-0 (scrocco + mandata)</p> <p>18425-25-0 (elettrica)</p> 	<p>B</p> <p>48450-25-0 (rullo + mandata)</p> 	<p>C</p> <p>48420-25-0 (mandata)</p> 
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PORTA APERTURA INTERNA 1 ANTA



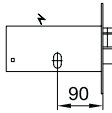
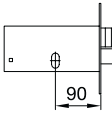
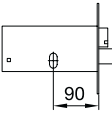
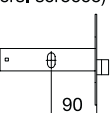
Cilindro Sagomato		Testata
Con borchie	Senza borchie	
0E300-08-0-12 L=59.2 (27.7-31.5)	0E300-05-0-12 L=55.4 (27.7-27.7)	24x7

Contropiastra regolabile in metallo			
A	B	C	Deviatori
06463-14	06463-14 (*)	06465-04	06465-14 (pz. 2)
inserto per rullo 06141-70 (*)			

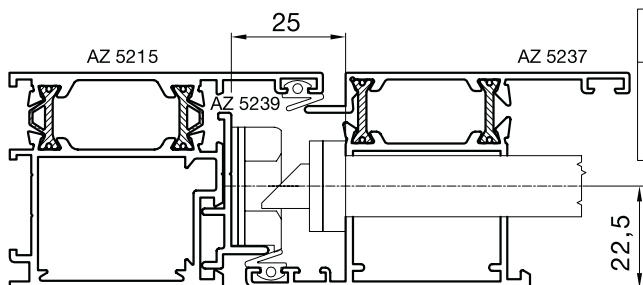
NB: Schema valido anche per porta a due ante

TABELLA UTILIZZO SERRATURE

- Serrature per serie porta a doppia battuta (apertura interna) -

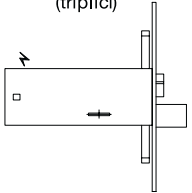
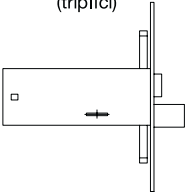
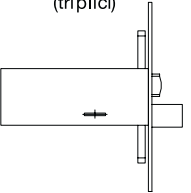
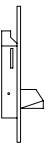
<p>Serrature da fascia (cilindro ovale)</p>	<p>A</p> <p>14451-90-0 14461-90-0 (elettrica)</p> 	<p>B</p> <p>44461-90-0 (scrocco + mandata)</p> 	<p>C</p> <p>44471-90-0 (rullo + mandata)</p> 	<p>D</p> <p>44161-90-0 (vers. rullo)</p> <p>44151-90-0 (vers. scrocco)</p> 
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PORTA APERTURA INTERNA 1 ANTA

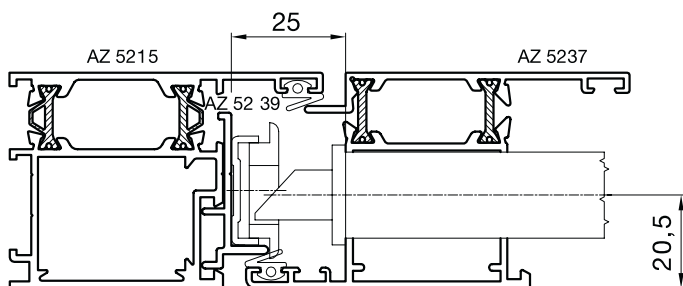


Cilindro	Contropiastra in nylon			Testata	Spessore
	A-B	C	D		
08210-02-0 L=55.4 (27.7, 27.7)	06277-95	06277-96	06287-95	20	06141-67

NB: Schema valido anche per porta a due ante

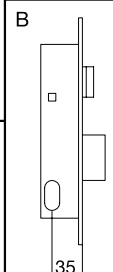
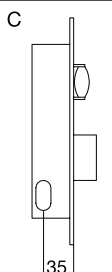
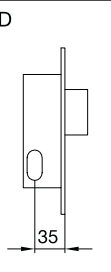
<p>Serrature da fascia a doppia mappa</p>	<p>A</p> <p>17357-90-0 (elettrica) (triplici)</p> 	<p>B</p> <p>57357-90-0 (scrocco + mandata) (triplici)</p> 	<p>C</p> <p>57365-90-0 (rullo + mandata) (triplici)</p> 	<p>D</p> <p>06443-00-0 (aste interne)</p> 
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PORTA APERTURA INTERNA 1 ANTA

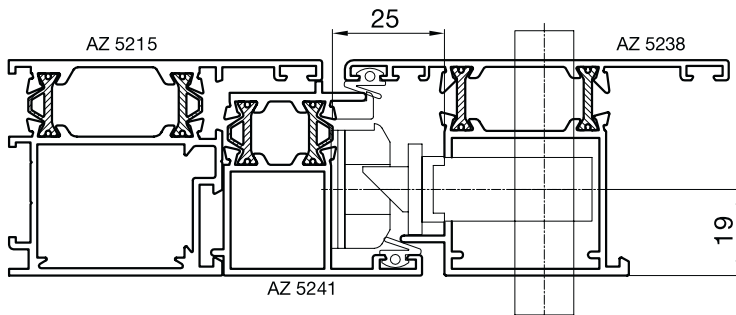


Contropiastra regolabile in metallo			Testata
A-B	C	D	
06465-04	06465-04 (*)	06465-04	22
inserto per rullo 06141-70 (*)			

NB: Schema valido anche per porta a due ante

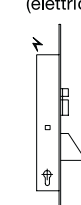
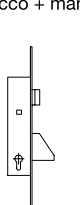
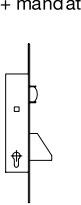
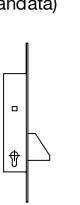
Serrature a montante (cilindro ovale)	B  44221-30-0 (scrocco + 1 mandata)	C  44231-30-0 (rullo + 1 mandata)	D  44241-30-0 (1 mandata)
	44226-30-0 (scrocco + 2 mandate)	44236-30-0 (rullo + 2 mandate)	44246-30-0 (2 mandate)

PORTA APERTURA ESTERNA 1 ANTA

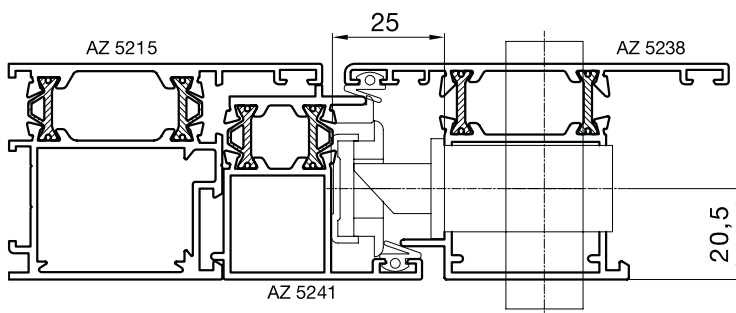


Cilindro	Contropiastra in nylon			Testata
	B	C	D	
08210-06-0 L=62.7 (27.7, 35)	06277-94	06277-96	06287-95	20
Spessore sotto frontale 06141-65	Salva Profilo 06141-79			

NB: Schema valido anche per porta a due ante

Serrature a montante (Catenaccio Basculante) 1 punto di chiusura	A 16215-25-0 16205-25-0 (elettrica)	B 46215-25-0 (scrocco + mandata)	C 46230-25-0 (rullo + mandata)	D 46210-25-0 (mandata)
				

PORTA APERTURA ESTERNA 1 ANTA



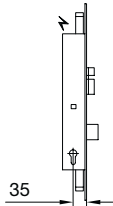
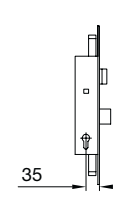
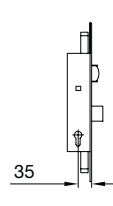
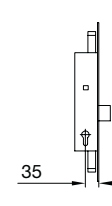
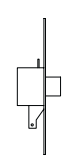
Cilindro Sagomato		Testata
Con borchie	Senza borchie	
0E300-08-0-12 L=59.2 (27.7-31.5)	0E300-05-0-12 L=55.4 (27.7-27.7)	22

Contropiastra regolabile in metallo			
A-B	C	D	Salva Profilo
06463-04	06463-04 (*)	06465-04	06141-79
inserto per rullo 06141-70-0(*)			

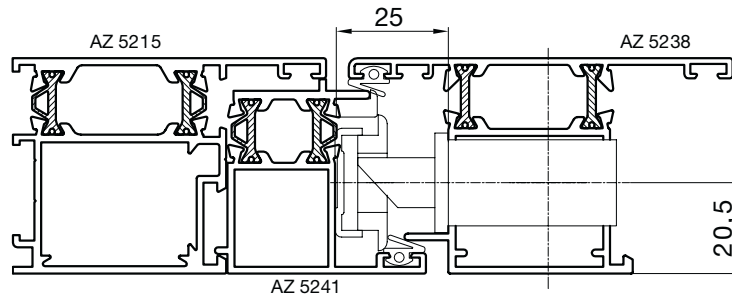
NB: Schema valido anche per porta a due ante

TABELLA UTILIZZO SERRATURE

- Serrature per serie porta a doppia battuta (apertura esterna) -

<p>Serrature di sicurezza montante ad ingranaggi (cilindro sagomato) 3 punti di chiusura</p>	<p>A</p> <p>18225-25-0 (elettrica)</p> 	<p>B</p> <p>48225-25-0 (scrocco + mandata)</p> 	<p>C</p> <p>48250-25-0 (rullo + mandata)</p> 	<p>D</p> <p>48220-25-0 (mandata)</p> 	<p>E</p> <p>06443-20-0 (aste interne)</p> 
	35	35	35	35	

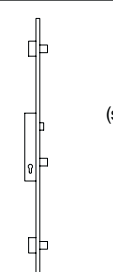
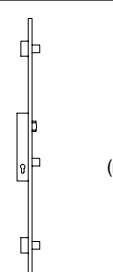
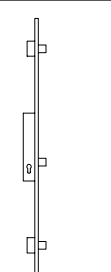
PORTA APERTURA ESTERNA 1 ANTA



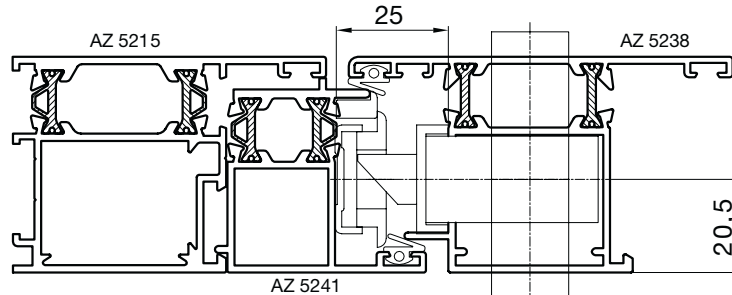
Cilindro Sagomato		Testata
Con borchie	Senza borchie	22
0E300-08-0-12 L=59.2 (27.7-31.5)	0E300-05-0-12 L=55.4 (27.7-27.7)	

Contropiastra regolabile in metallo				Salva Profilo
A-B	C	D	E	06141-79
06463-14	06463-14 (*)	06465-04	06465-14	
inserto per rullo 06141-70 (*)				

NB: Schema valido anche per porta a due ante

<p>Serrature multitop (frontale)</p>	<p>A</p> <p>48425-25-0 (scrocco + mandata)</p> <p>18425-25-0 (elettrica)</p> 	<p>B</p> <p>48450-25-0 (rullo + mandata)</p> 	<p>C</p> <p>48420-25-0 (mandata)</p> 
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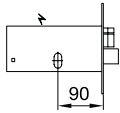
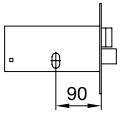
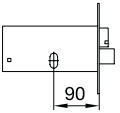
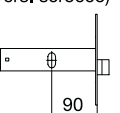
PORTA APERTURA ESTERNA 1 ANTA



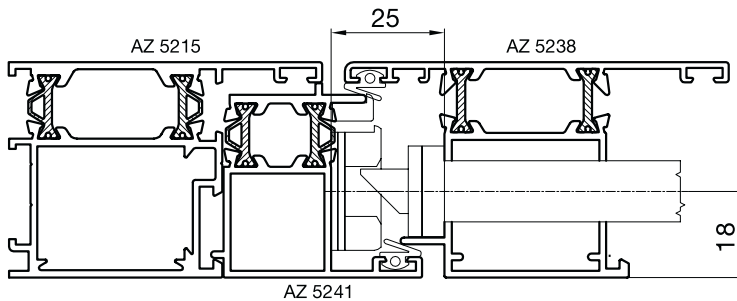
Cilindro Sagomato		Testata
Con borchie	Senza borchie	24x7
0E300-08-0-12 L=59.2 (27.7-31.5)	0E300-05-0-12 L=55.4 (27.7-27.7)	

Contropiastra regolabile in metallo				Salva Profilo
A	B	C	Deviatori	06141-79
06463-14	06463-14 (*)	06465-04	06465-14 (pz. 2)	
inserto per rullo 06141-70 (*)				

NB: Schema valido anche per porta a due ante

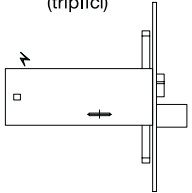
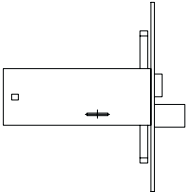
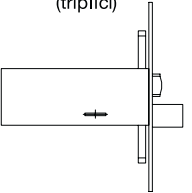
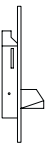
Serrature da fascia (cilindro ovale)	A 14451-90-0 14461-90-0 (elettrica)	B 44461-90-0 (scrocco + mandata)	C 44471-90-0 (rullo + mandata)	D 44161-90-0 (vers. rullo) 44151-90-0 (vers. scrocco)
				

PORTA APERTURA ESTERNA 1 ANTA

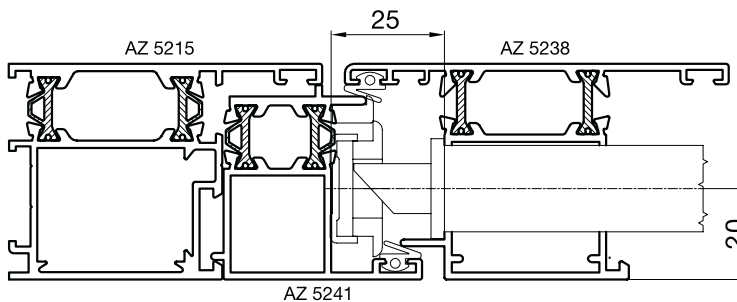


Cilindro	Contropiastra in nylon			Testata
08210-02-0 L=55.4 (27.7, 27.7)	A-B	C	D	20
	06277-95	06277-96	06287-95	
Spessore sotto frontale 06141-67	Salva Profilo 06141-79			

NB: Schema valido anche per porta a due ante

Serrature da fascia a doppia mappa	A 17357-90-0 (elettrica) (triplici)	B 57357-90-0	C 57365-90-0 (rullo + mandata) (triplici)	D 06443-00-0 (aste interne)
				

PORTA APERTURA ESTERNA 1 ANTA



Contropiastra regolabile in metallo			Testata	Salva Profilo
A-B	C	D	22	06141-79
06465-04	06465-04 (*)	06465-04		
inserto per rullo 06141-70 (*)				

NB: Schema valido anche per porta a due ante




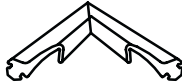







guarnizioni weatherstrips

atlantis
serie 55TT









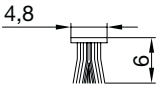
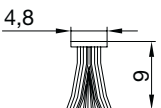
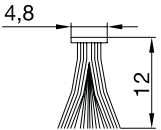


TO.MA. S.p.a.
ESTRUSIONE ALLUMINIO

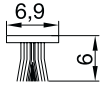
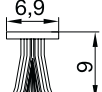
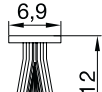
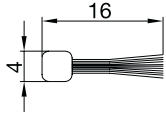
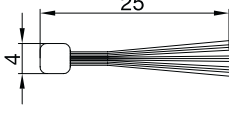
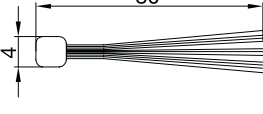
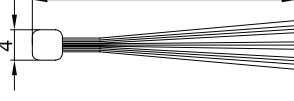
scala 1:1

Rg 401		Guarnizione di battuta porte Materiale EPDM	2 Rotoli da 300 m
Rg 402		Guarnizione di battuta interna Materiale EPDM	3 Rotoli da 300 m
Rg 330		Guarnizione centrale di tenuta Materiale EPDM	4 Rotoli da 50 m
Ra 1703		Angolo Vulcanizzato per Rg 330 Materiale EPDM	50 pezzi
Rg 303		Guarnizione di battuta - soluzione a doppia battuta - Materiale EPDM	2 Rotoli da 300 m
Rg 331		Guarnizione a muro o antirumore Materiale EPDM	3 Rotoli da 300 m
Rg 329		Guarnizione copricava Materiale EPDM	2 Rotoli da 150 m
Rg 404		Guarnizione per accoppiamento a nastro Materiale EPDM	1 Rotolo da 400 m
Rg 356		Guarnizione per bilico Materiale EPDM	2 Rotoli da 300 m
Rg 358		Spugna per Monoblocco	
Rg 323		Guarnizione isolamento soglia Materiale EPDM	

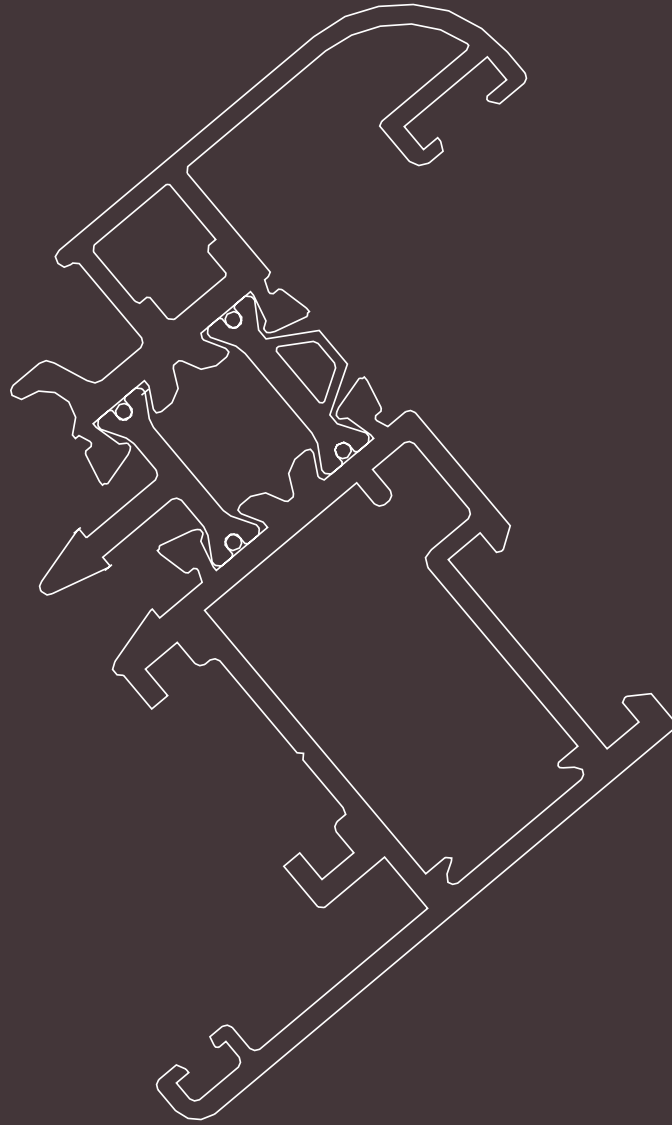
scala 1:1

Rg 311		Guarnizione esterna vetro per vano da mm. 2,5 Materiale EPDM	2 Rotoli da 200 m
Rg 312		Guarnizione esterna vetro per vano da mm. 3,5 Materiale EPDM	2 Rotoli da 150 m
Rg 369		Guarnizione esterna vetro per vano da mm. 3,5 Materiale EPDM	2 Rotoli da 150 m
Rg 307		Guarnizione interna vetro per vano da mm. 2 Materiale EPDM	2 Rotoli da 300 m
Rg 320		Guarnizione interna vetro per vano da mm. 3 Materiale EPDM	2 Rotoli da 200 m
Rg 308		Guarnizione interna vetro per vano da mm. 4 Materiale EPDM	2 Rotoli da 150 m
Rg 321		Guarnizione interna vetro per vano da mm. 5 Materiale EPDM	2 Rotoli da 150 m
Rg 309		Guarnizione interna vetro per vano da mm. 6 Materiale EPDM	2 Rotoli da 100 m
48 x 600		Guarnizione a spazzola mm 4,8 x 6 Materiale polipropilene	4 Rotoli da 400 m
48 x 900		Guarnizione a spazzola mm 4,8 x 9 Materiale polipropilene	4 Rotoli da 200 m
48 x 1200		Guarnizione a spazzola mm 4,8 x 12 Materiale polipropilene	2 Rotoli da 200 m

scala 1:1

69 x 600		Guarnizione a spazzola mm 6,9 x 6 Materiale polipropilene	5 Rotoli da 100 m
69 x 900		Guarnizione a spazzola mm 6,9 x 9 Materiale polipropilene	4 Rotoli da 200 m
69 x 1200		Guarnizione a spazzola mm 6,9 x 12 Materiale polipropilene	2 Rotoli da 200 m
40 x 1600		Guarnizione sottozoccolo a spazzola mm 16 Materiale polipropilene	barre da 2 m
40 x 2500		Guarnizione sottozoccolo a spazzola mm 25 Materiale polipropilene	barre da 2 m
40 x 3000		Guarnizione sottozoccolo a spazzola mm 30 Materiale polipropilene	barre da 2 m
40 x 3500		Guarnizione sottozoccolo a spazzola mm 35 Materiale polipropilene	barre da 2 m

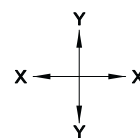
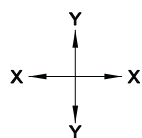
profilati profiles

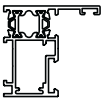
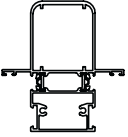
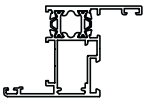
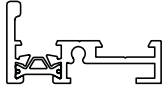
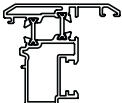
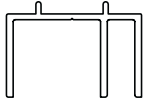
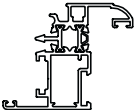
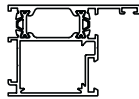
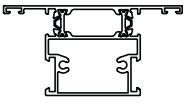
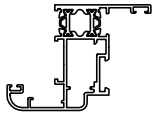
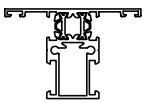
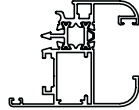
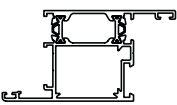

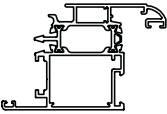
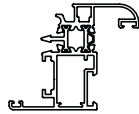
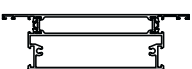
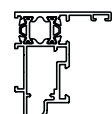
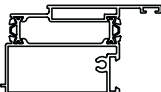
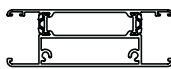


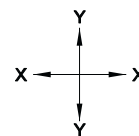
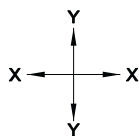
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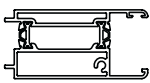
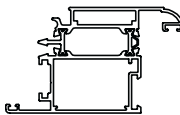
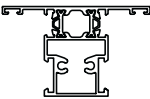
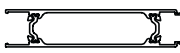
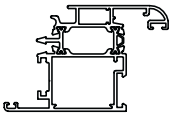
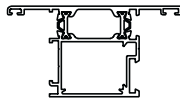
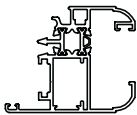

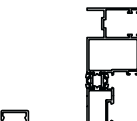
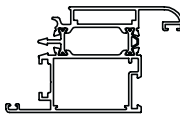
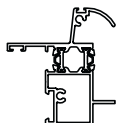
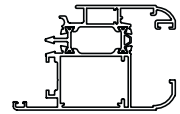
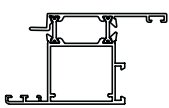
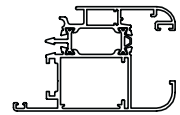
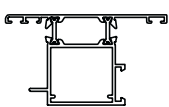
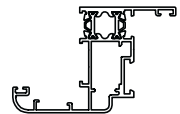

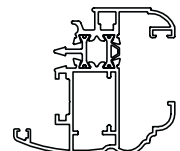
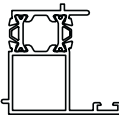
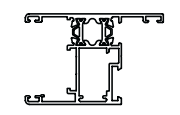


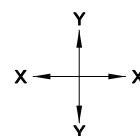
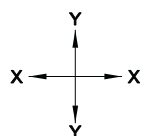
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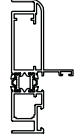
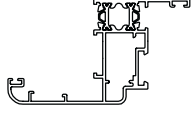
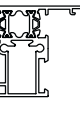
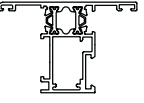
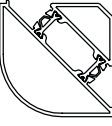
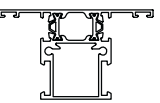
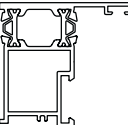
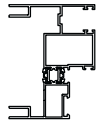
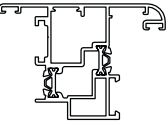
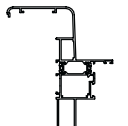
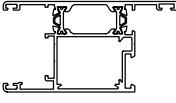
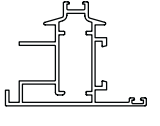
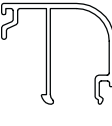
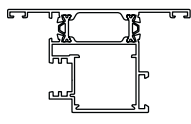

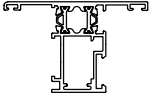
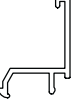
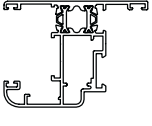
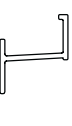
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	AZ 5201 Jx 12,07 Jy 5,94	1113	Telaio a "L"		AZ 5211 Jx 84,73 Jy 40,82	2468	Montante Rinforzato
	AZ 5202 Jx 15,22 Jy 9,67	1232	Telaio a "Z"		AZ 5213	711	Soglia Porta Balcone
	AZ 5203 Jx 13,48 Jy 8,71	1316	Riscontro Centrale		AZ 5214	467	Profilo per Telaio a Nastro
	AZ 5204 Jx 17,66 Jy 9,98	1390	Anta Scorniciata		AZ 5215 Jx 15,50 Jy 17,64	1381	Telaio a "L" Maggiorato
	AZ 5205 Jx 40,62 Jy 55,93	1597	Traversa / Montante da 93,8mm		AZ 5216 Jx 21,32 Jy 13,20	1403	Telaio a "Z" Complanare -aletta 25mm-
	AZ 5206 Jx 8,91 Jy 11,51	1335	Traversa / Montante da 71,5mm		AZ 5217 Jx 20,79 Jy 13,51	1492	Anta Vetro ad Infilare
	AZ 5207 Jx 18,56 Jy 24,37	1505	Telaio a "Z" Maggiorato		AZ 5218 Jx 33,22 Jy 212,27	2483	Zoccolo
	AZ 5208 Jx 22,70 Jy 26,06	1690	Anta Scorniciata Media		AZ 5219 Jx 17,69 Jy 10,00	1387	Anta
	AZ 5209 Jx 30,56 Jy 195,85	2438	Fascia da 160mm		AZ 5220 Jx 15,22 Jy 6,06	1166	Telaio Complanare a "L"
	AZ 5210 Jx 14,91 Jy 30,80	1582	Zoccolo Riportato		AZ 5221 Jx 12,47 Jy 59,40	1766	Fascia Vetro ad Infilare da 105mm

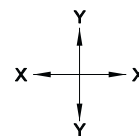
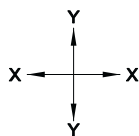


	AZ 5222 Jx 9,34 Jy 25,62	1558	Zoccolo Riportato Vetro ad Infilare		AZ 5242 Jx 25,10 Jy 33,63	1845	Anta Scorniciata Maggiorata
	AZ 5223 Jx 13,40 Jy 12,17	1400	Traversa / Montante da 77,5mm		AZ 5243 Jx 5,83 Jy 69,15	1462	Doga Termica - 24 mm -
	AZ 5225 Jx 22,81 Jy 26,28	1690	Anta Media		AZ 5245 Jx 16,80 Jy 24,30	1556	Telaio "T" Maggiorato
	AZ 5226 Jx 20,72 Jy 13,44	1495	Anta Scorniciata Vetro ad Infilare		AZ 5246 Jx 3,80 Jy 65,80	1436	Doga Termica - 20 mm -
	AZ 5235 Jx 84,54 Jy 65,67	2167	Spalla Monoblocco		AZ 5247 Jx 25,28 Jy 35,13	1870	Anta Maggiorata Portoncino
	AZ 5236 Jx 20,26 Jy 8,92	1439	Traversa Superiore Monoblocco		AZ 5248 Jx 25,94 Jy 32,12	1827	Anta Scorniciata Maggiorata Vetro ad Infilare
	AZ 5237 Jx 16,03 Jy 18,74	1324	Anta Serie Porta a "Z"		AZ 5249 Jx 26,11 Jy 32,37	1827	Anta Maggiorata Vetro ad Infilare
	AZ 5238 Jx 14,58 Jy 18,67	1301	Anta Serie Porta a "T"		AZ 5250 Jx 23,11 Jy 18,54	1456	Telaio a "Z" Complanare - aletta 35mm -
	AZ 5239	219	Battuta Riportata Serie Porta		AZ 5251 Jx 25,15 Jy 14,24	1589	Anta Vetro ad Infilare Bombata con Cornice
	AZ 5241 Jx 7,60 Jy 4,59	895	Inversione di Battuta Serie Porta		AZ 5252 Jx 16,73 Jy 12,62	1371	Telaio a "L"

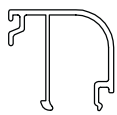





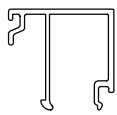

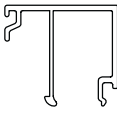
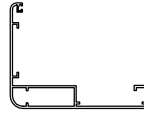

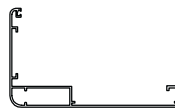
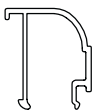
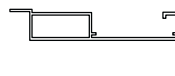
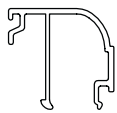

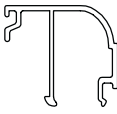
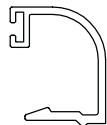




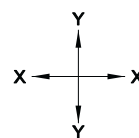
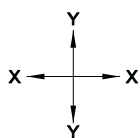
profilati scala ridotta

	AZ 5253 Jx 4,76 Jy 67,83	1451	Doga Termica - 22 mm -		AZ 5263 Jx 59,83 Jy 7,27	1842	Sempilastrino per Vettrine
	AZ 5254 Jx 24,38 Jy 25,63	1497	Telaio a "Z" Complanare - aletta 45mm -		AZ 5264 Jx 11,30 Jy 6,21	1238	Traverso Inferiore Monoblocco
	AZ 5255 Jx 13,21 Jy 9,44	1371	Telaio "T" - aletta 22mm - Sporgere		AZ 5265 Jx 16,21 Jy 16,21	1402	Angolo per Vettrine
	AZ 5256 Jx 13,20 Jy 15,50	1462	Traversa / Montante da 81mm		AZ 5266 Jx 9,82 Jy 6,23	1052	Inversione di Battuta
	AZ 5257 Jx 97,86 Jy 32,36	2271	Profilo Abbinamento Monoblocchi		AZ 5267 Jx 20,84 Jy 19,08	1637	Anta per Apertura Esterna
	AZ 5258 Jx 199,68 Jy 69,03	2890	Imbotte Esterno per Capannoni		AZ 5268 Jx 20,19 Jy 30,12	1648	Telaio a "L" Maggiorato
	AZ 5259 Jx 8,19 Jy 7,37	1002	Inversione di Battuta per Bilico		AZ 4517	322	Fermavetro Arrotondato Vuoto 13mm
	AZ 5260 Jx 23,22 Jy 30,06	1700	Anta Bilico		AZ 4518	275	Fermavetro Arrotondato Vuoto 20mm
	AZ 5261 Jx 13,33 Jy 10,30	1269	Telaio "T" - aletta 25mm -		AZ 4525	197	Fermavetro Vuoto 39mm
	AZ 5262 Jx 23,61 Jy 16,49	1531	Telaio a "L" Complanare		AZ 4526	156	Vaschetta Raccogli Condensa

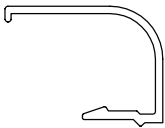
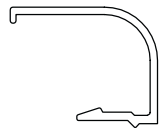
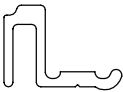


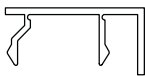



profilati scala ridotta

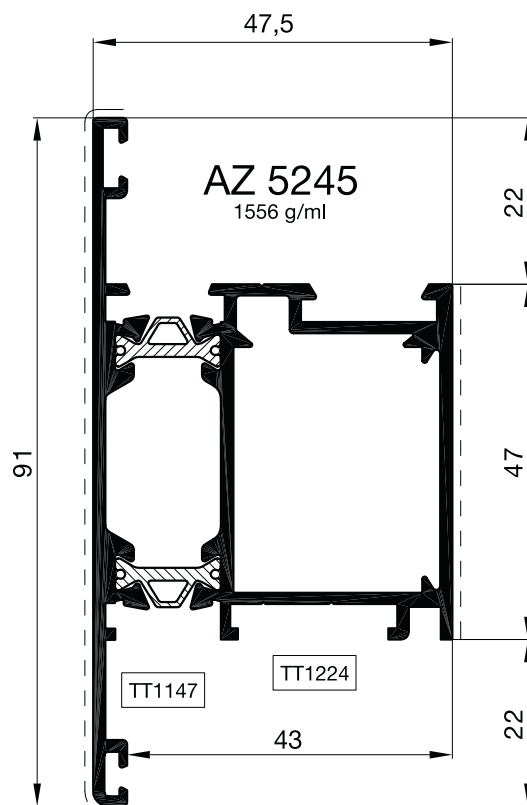
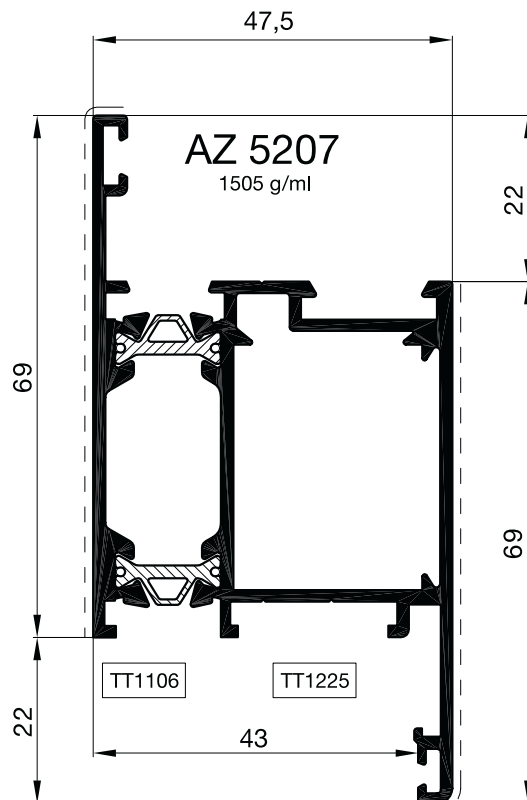
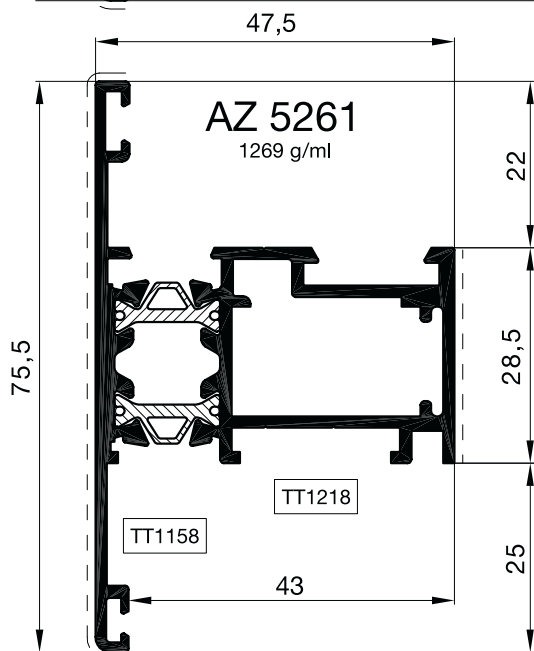
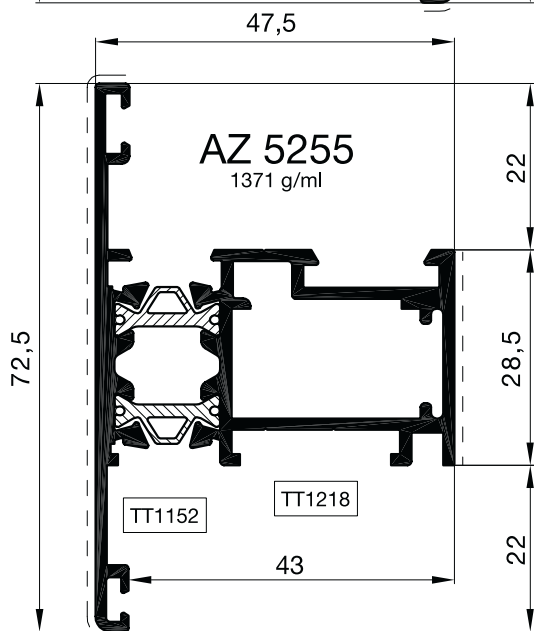
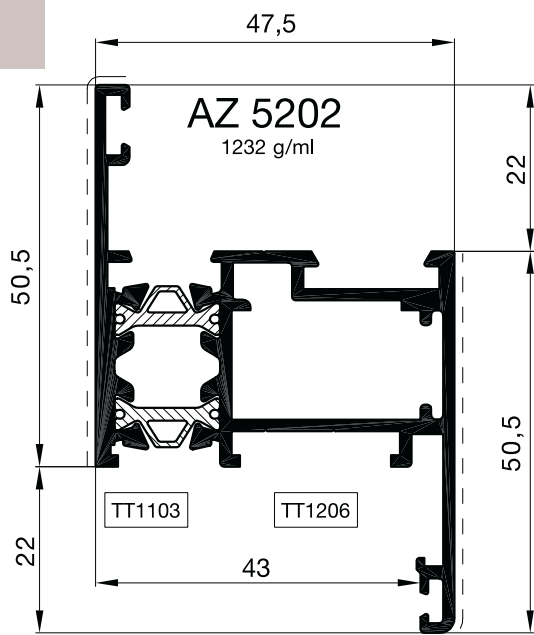
	AZ 4532	313	Fermavetro Arrotondato Vuoto 15mm		AZ 4568	1258	Cassonetto Monoblocco
	AZ 4546	247	Fermavetro Dritto Vuoto 29mm		AZ 4569	1140	Frontale Cassonetto Monoblocco
	AZ 4557	278	Fermavetro Dritto Vuoto 20mm		AZ 4575	237	Fermavetro Arrotondato Vuoto 30mm
	AZ 4558	330	Fermavetro Dritto Vuoto 15mm		AZ 4576	255	Fermavetro Arrotondato Vuoto 25mm
	AZ 4559	337	Fermavetro Dritto Vuoto 13mm		AZ 4591 Jx 35,36 Jy 154,08	1482	Imbotte Interno per Capannoni
	AZ 4560	231	Fermavetro Scorniciato Vuoto 30mm		AZ 4592 Jx 37,74 Jy 78,92	1652	Imbotte Interno per Capannoni
	AZ 4561	263	Fermavetro Scorniciato Vuoto 20mm		AZ 4617 Jx 2,02 Jy 41,82	973	Prolunga Imbotti per Capannoni
	AZ 4562	315	Fermavetro Scorniciato Vuoto 15mm		AZ 4618	202	Fermavetro Arrotondato con molletta Vuoto 30mm
	AZ 4563	322	Fermavetro Scorniciato Vuoto 13mm		AZ 4619	226	Fermavetro Arrotondato con molletta Vuoto 25mm
	AZ 4567	115	Gocciolatoio		AZ 4620	217	Fermavetro Arrotondato con molletta Vuoto 20mm



profilati scala ridotta

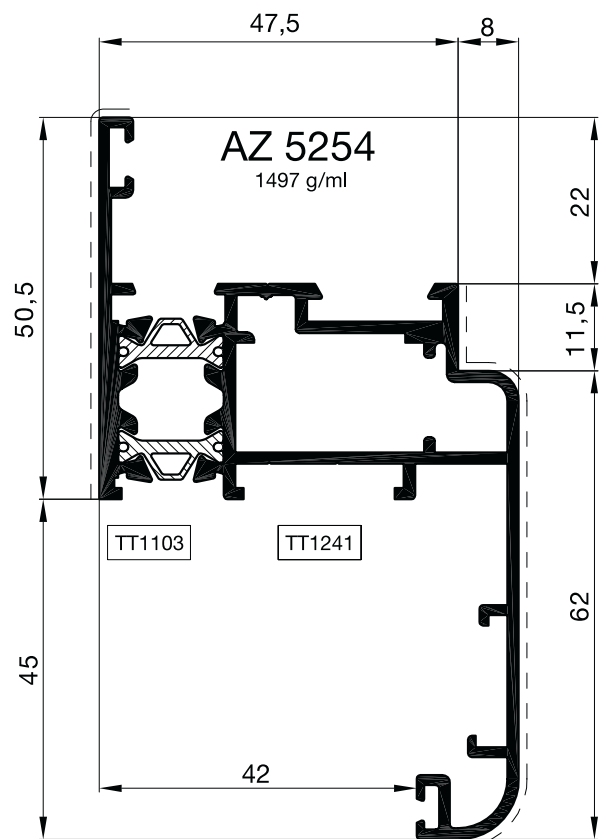
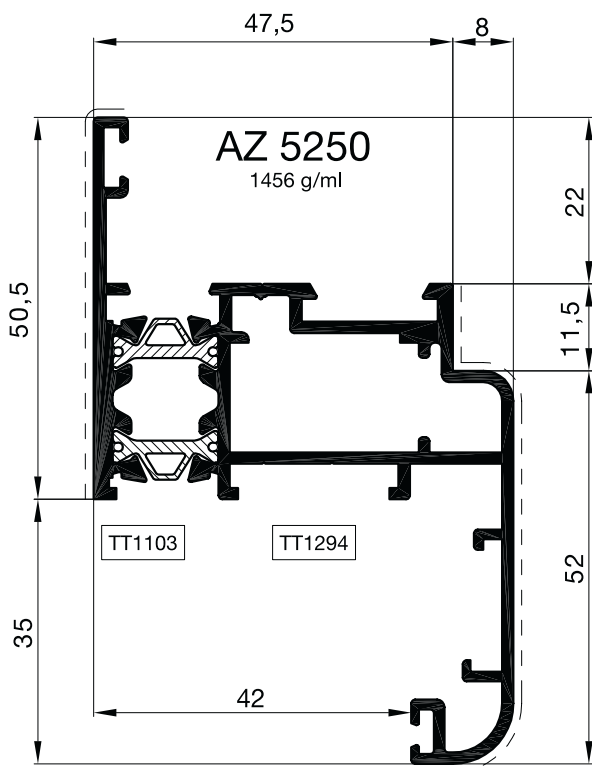
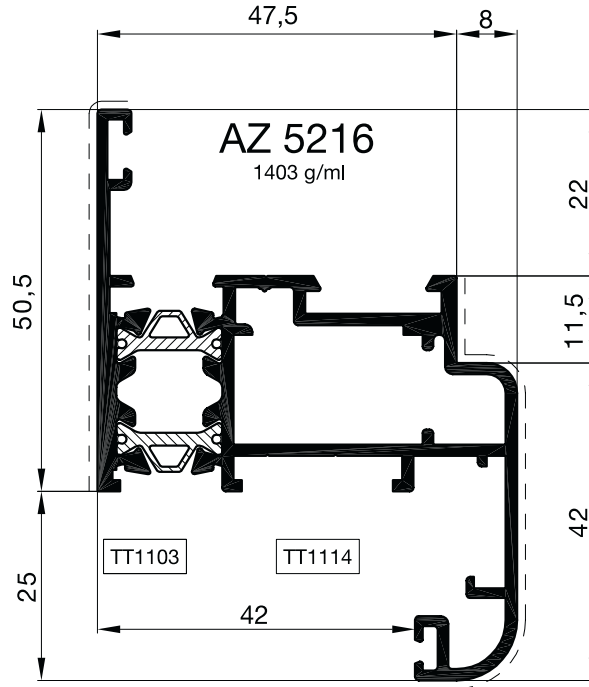
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	AZ 4621	244	Fermavetro Arrotondato con molletta Vuoto 13mm				
	AZ 4622	237	Fermavetro Arrotondato con molletta Vuoto 15mm				
	AZ 6841	173	Coprifuga				
	AZ 6862 Jx 9,76 Jy 73,10	1491	DogaTermica - 30 mm -				
	AZ 2035	143	Astina				
	AZ 2047	175	Coprifilo Monoblocco				
	TO 4008	72	Angolare 9 x 12 per Monoblocco				


scala 1:1



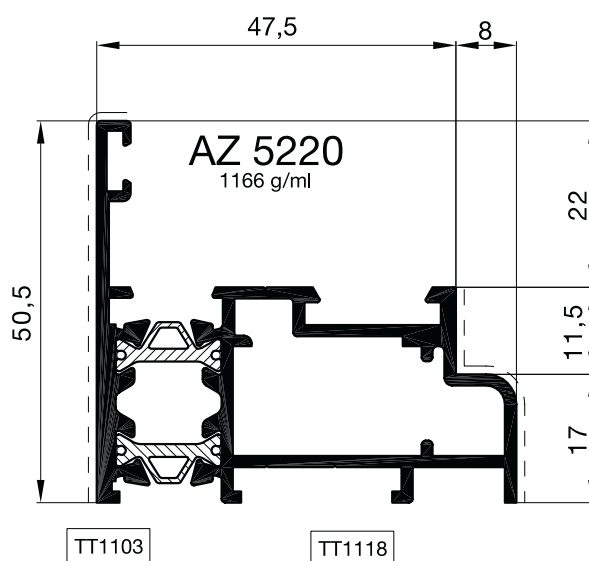
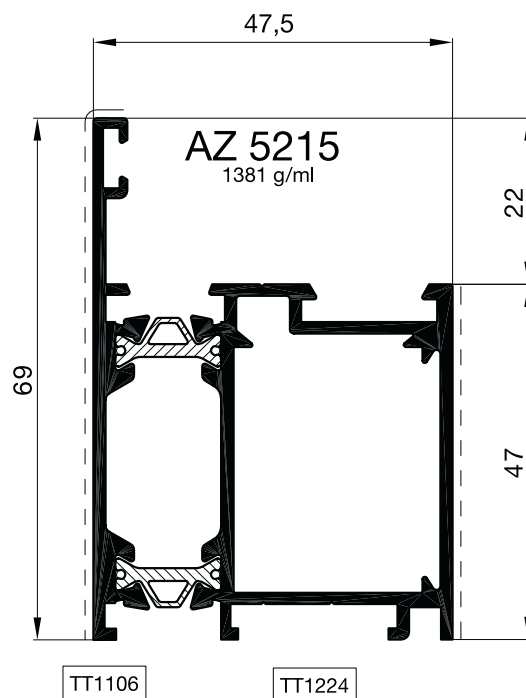
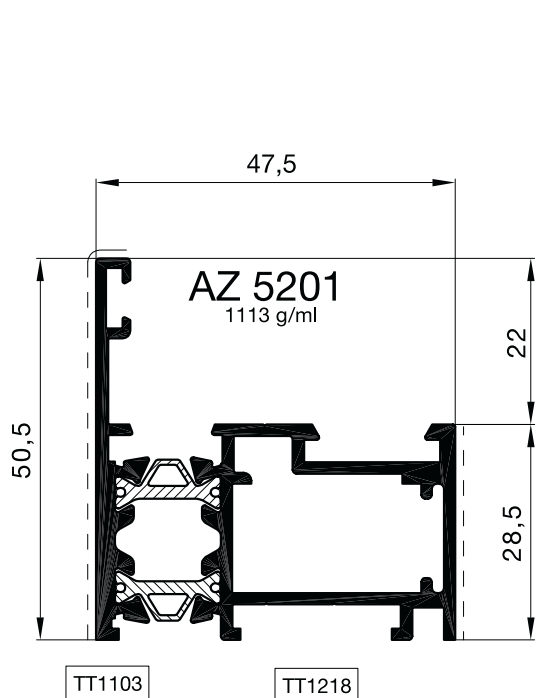
CODICE MATRICE


scala 1:1



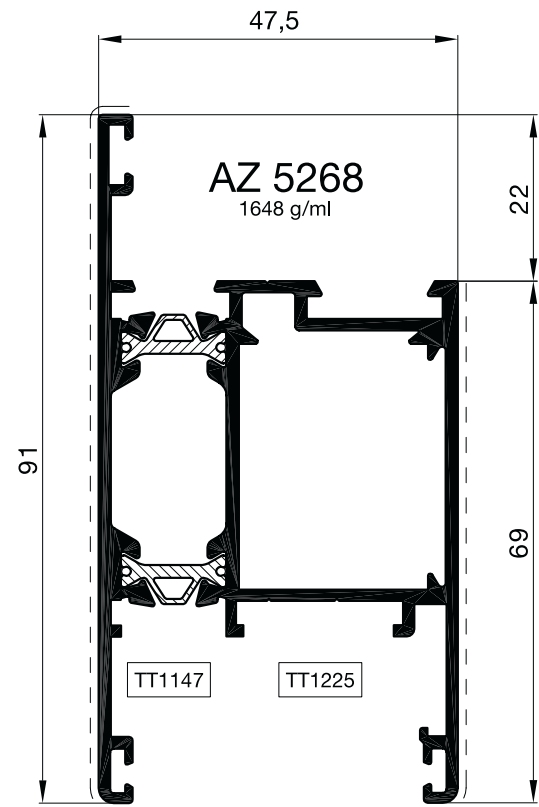
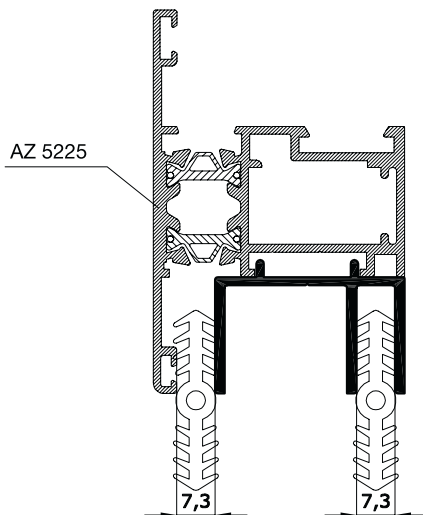
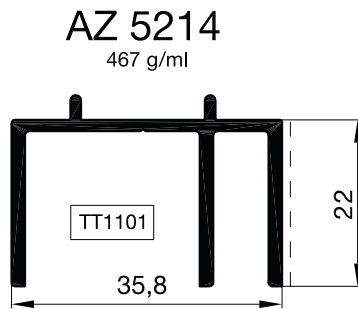
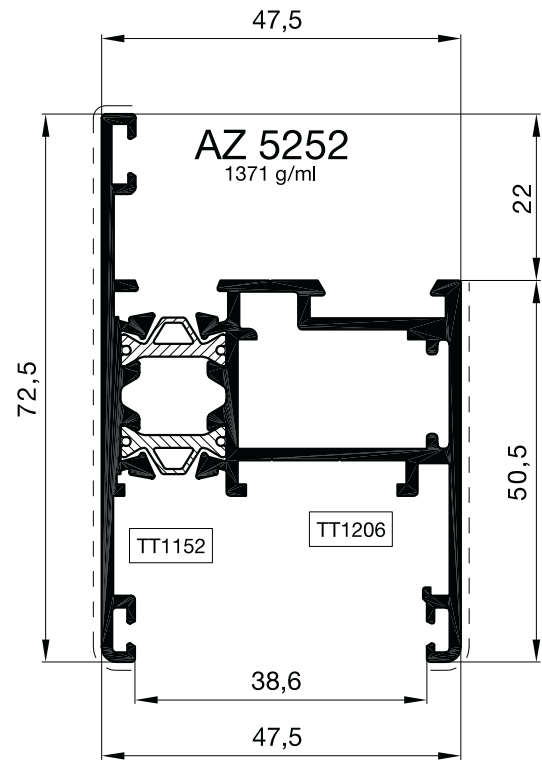
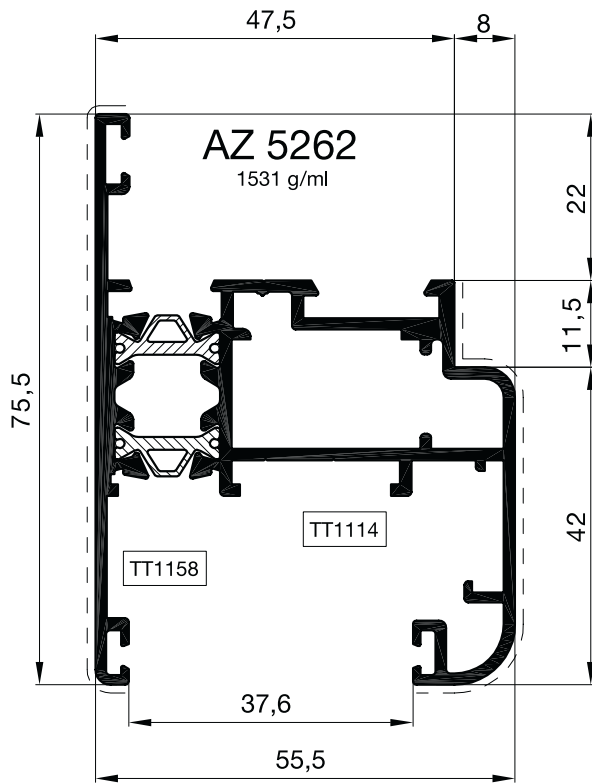

CODICE MATRICE

scala 1:1



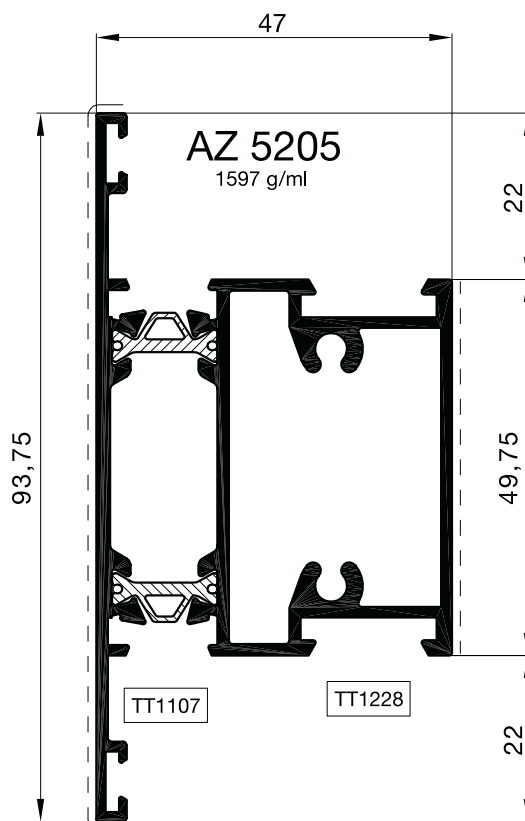
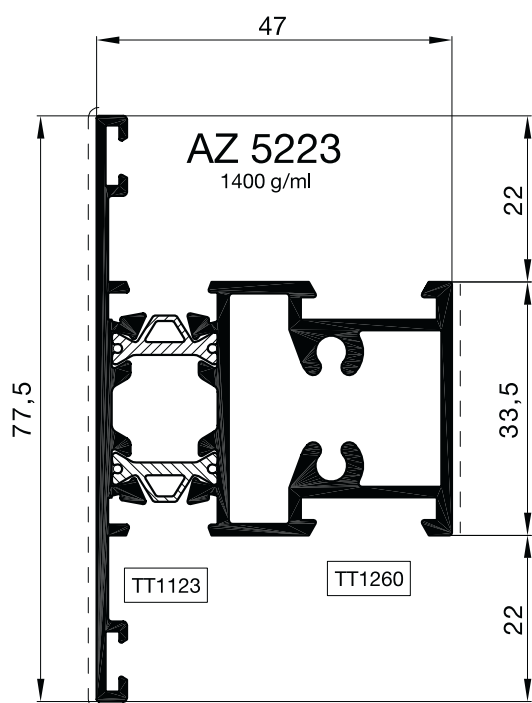
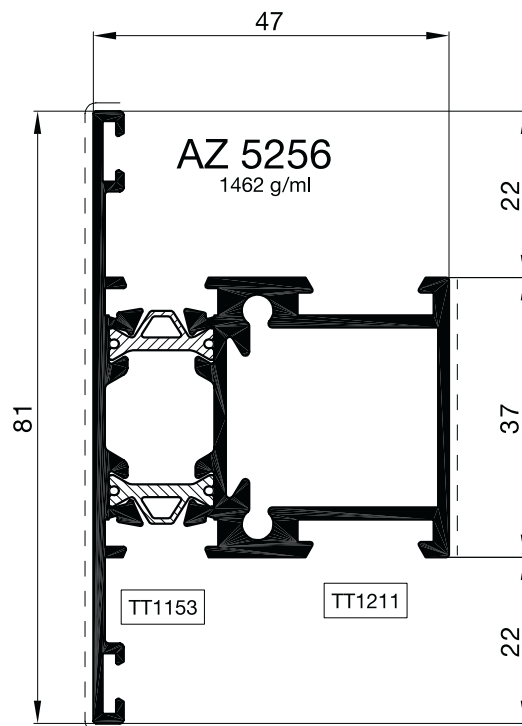
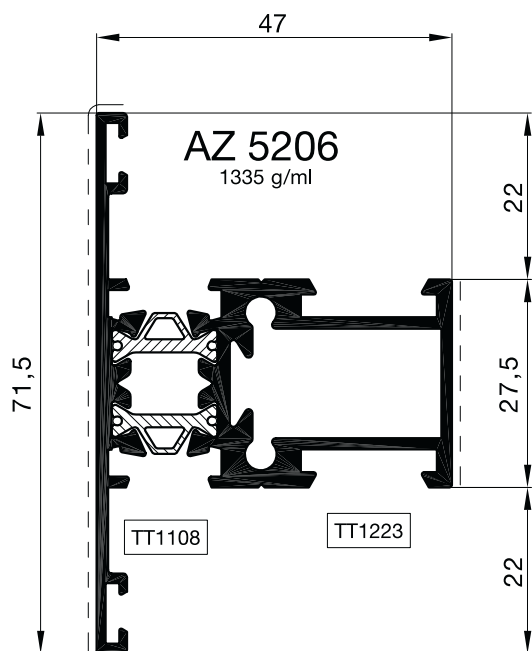

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scala 1:1

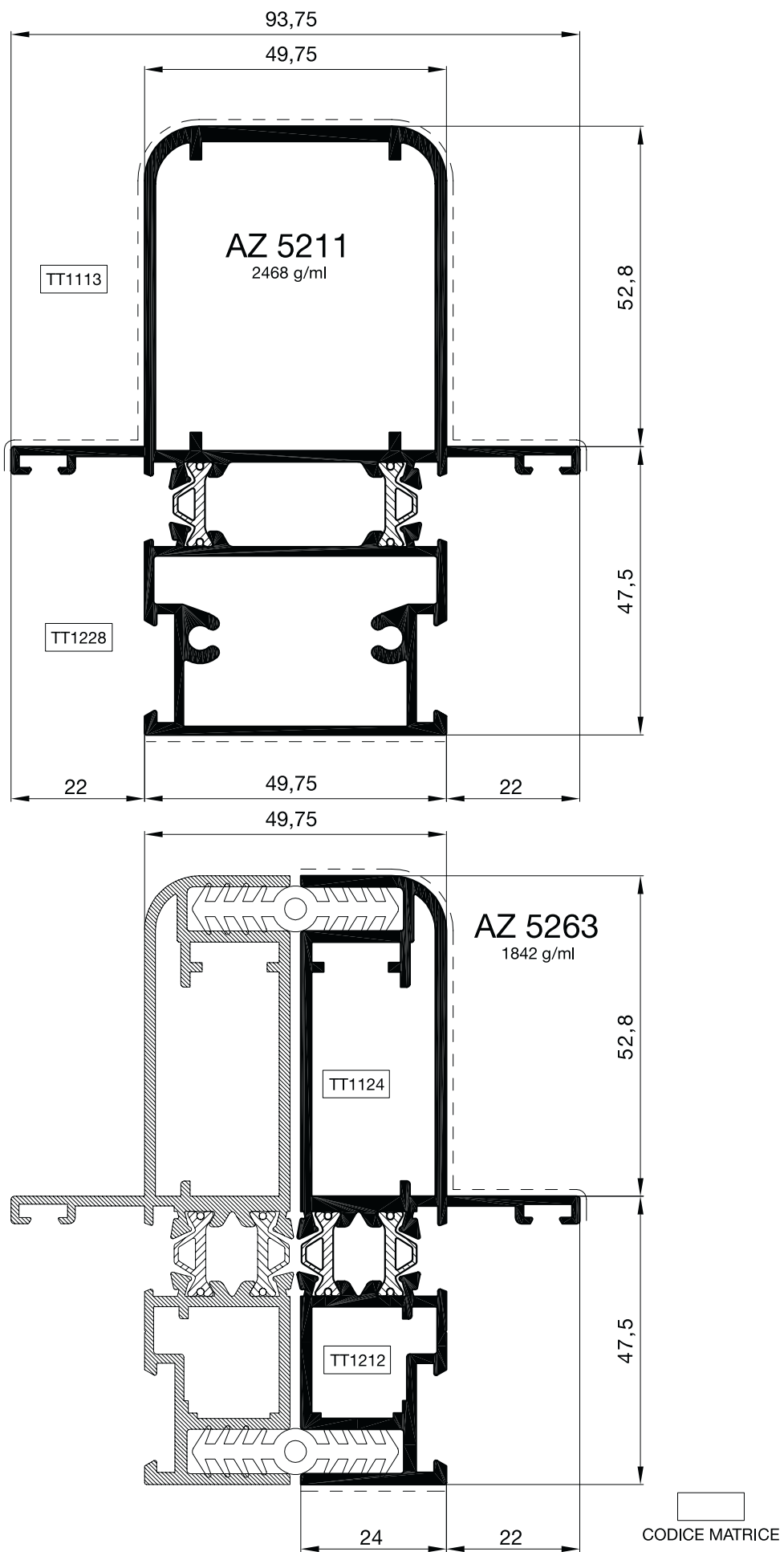


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scala 1:1



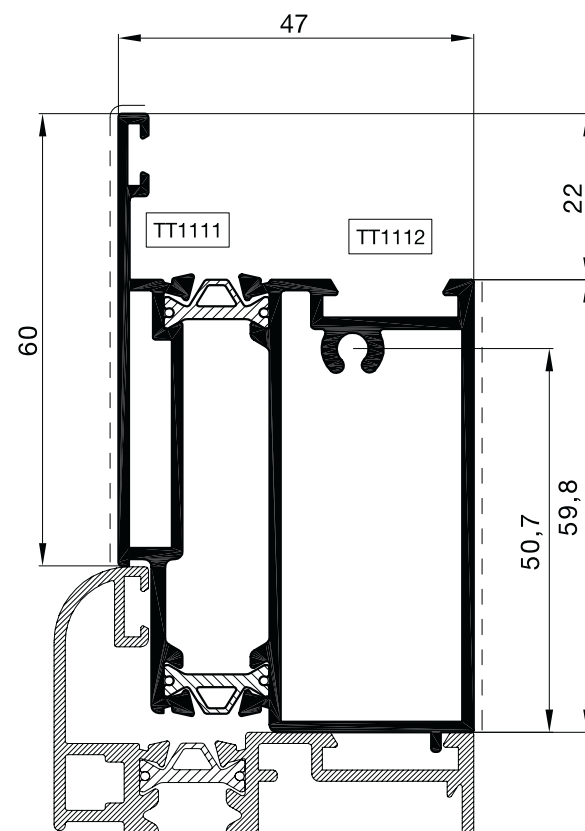

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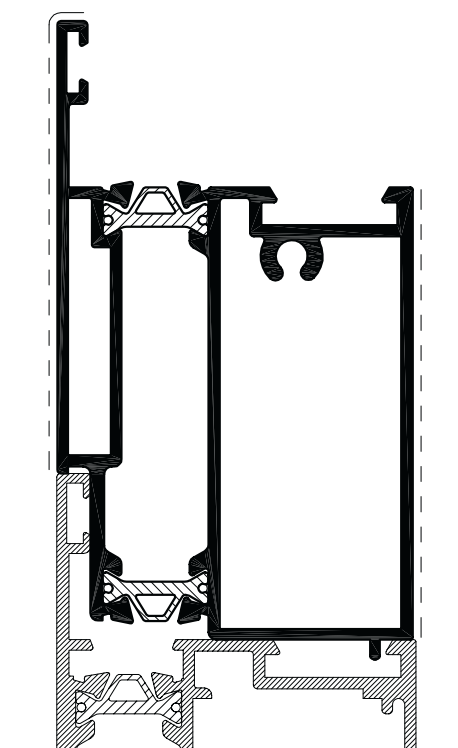
scala 1:1


AZ 5210
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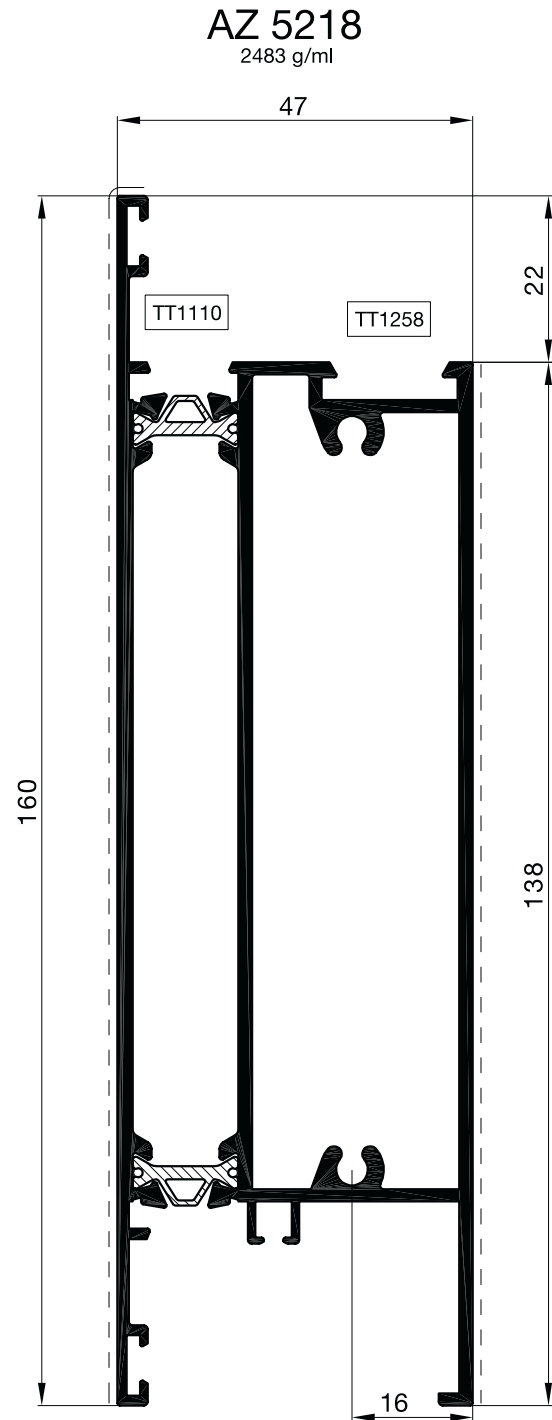
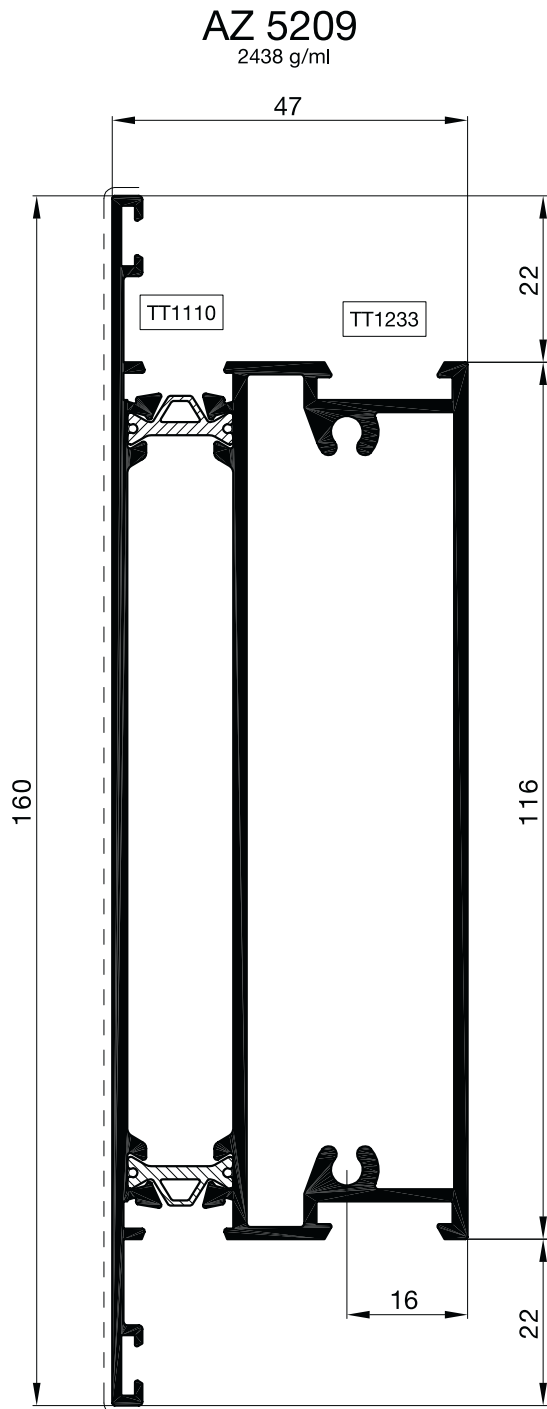
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Fissi



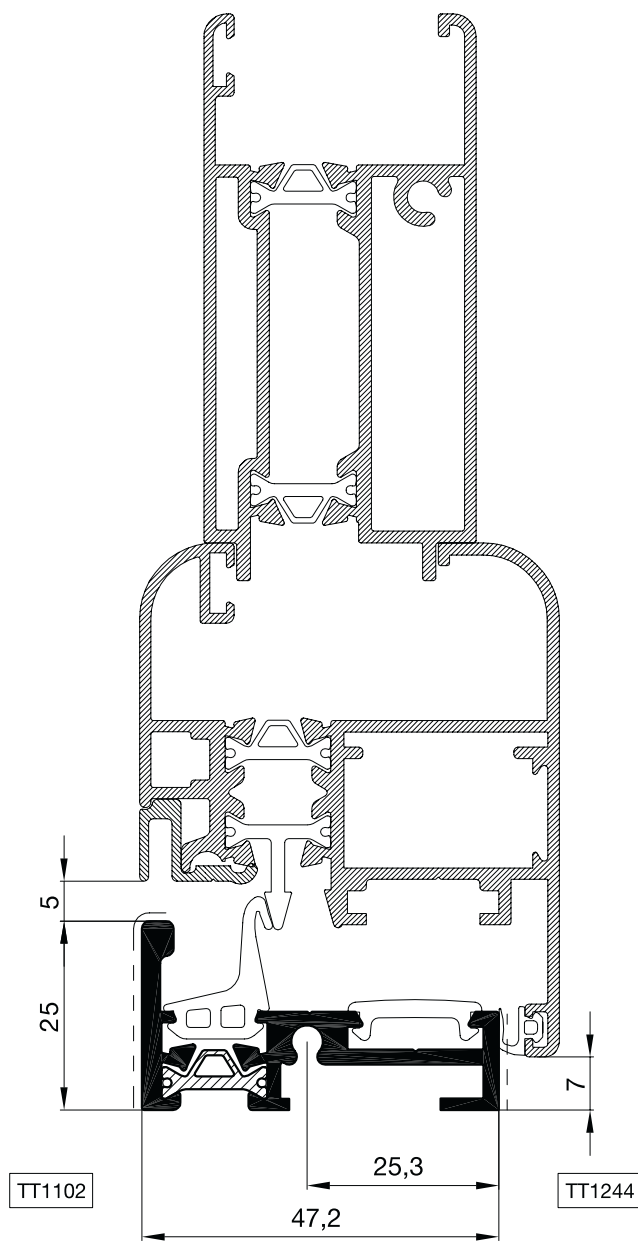

CODICE MATRICE





CODICE MATRICE

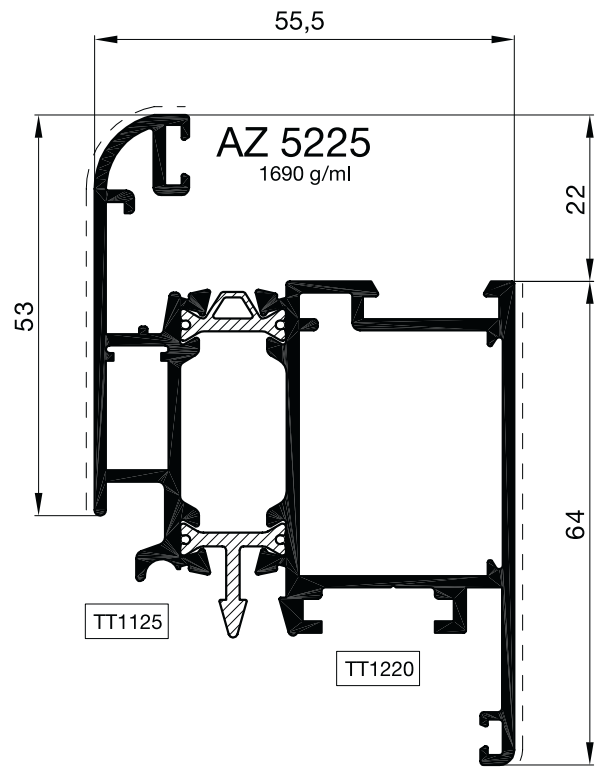
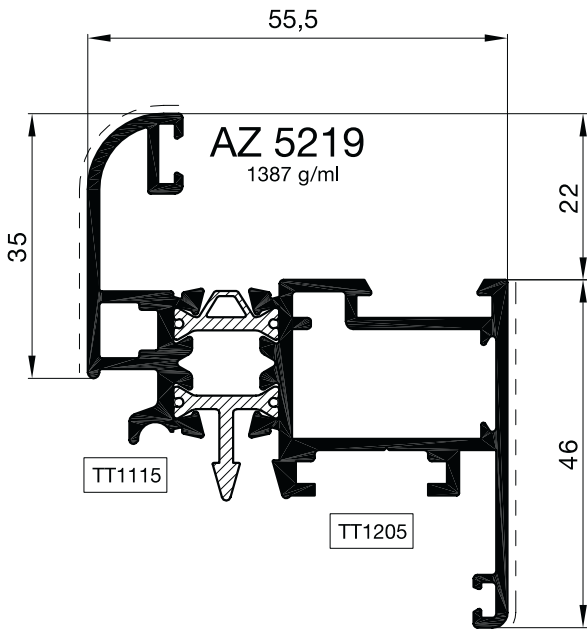
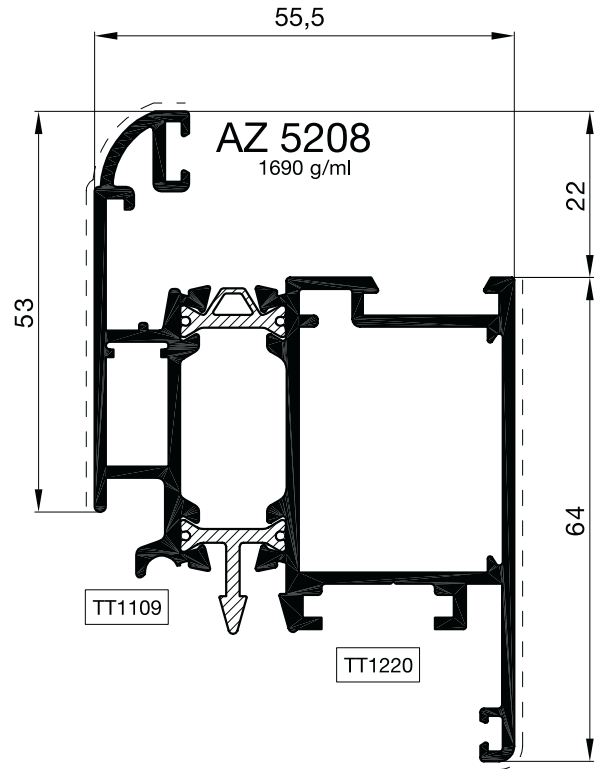
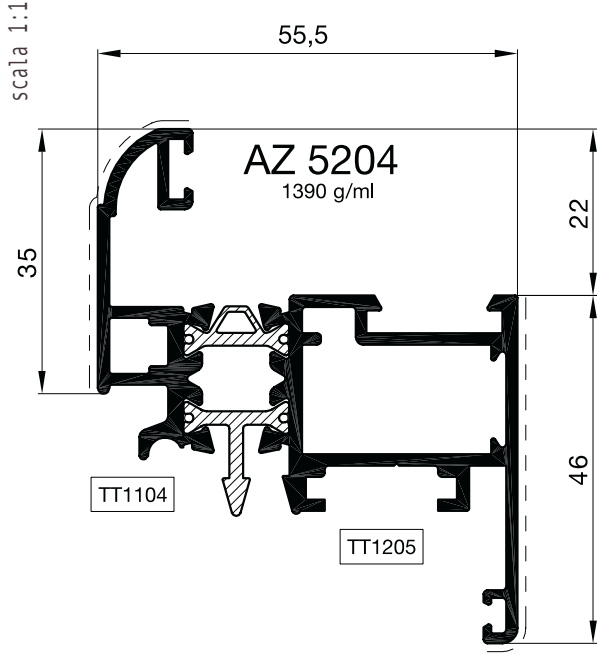


scala 1:1

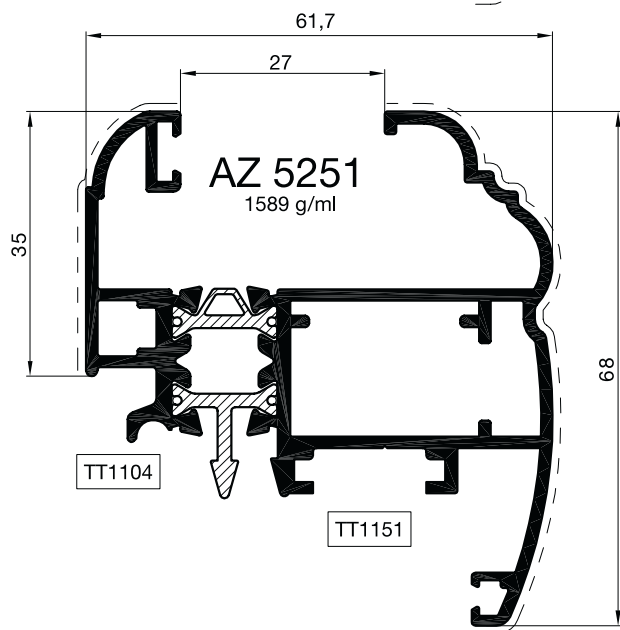
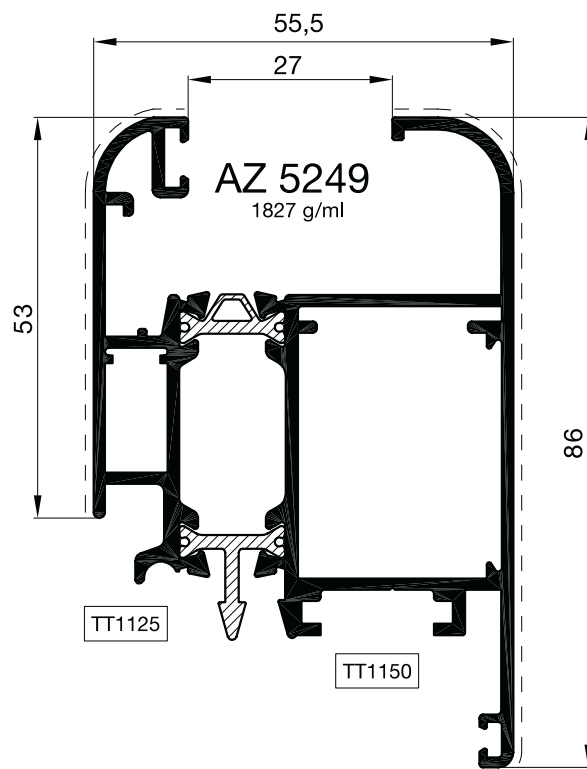
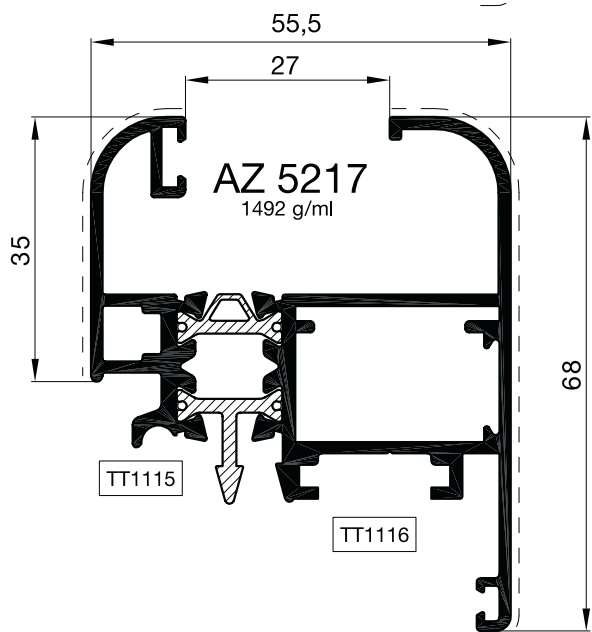
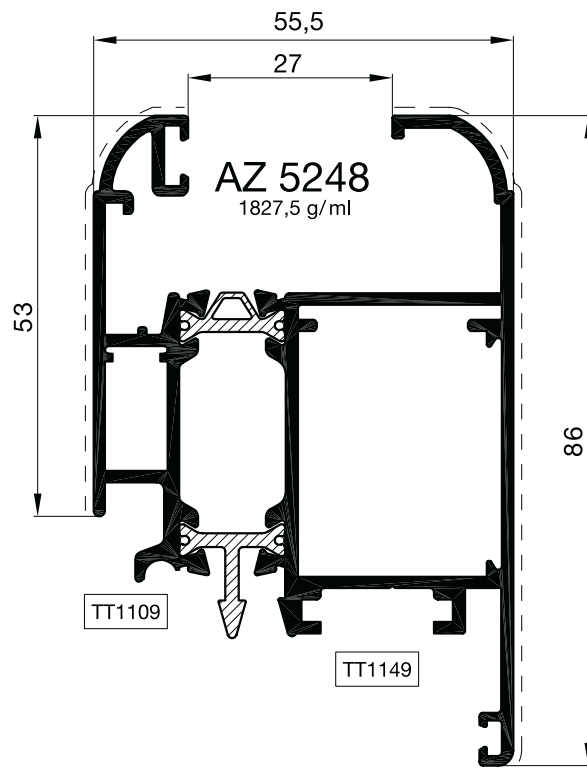
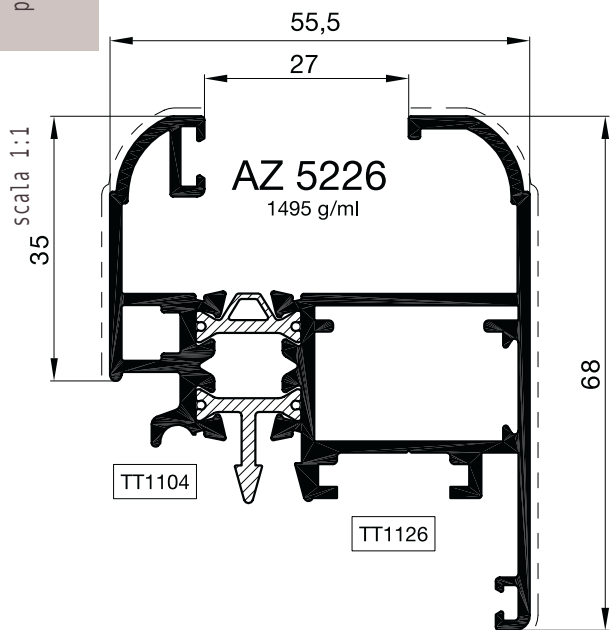



AZ 5213
711 g/ml


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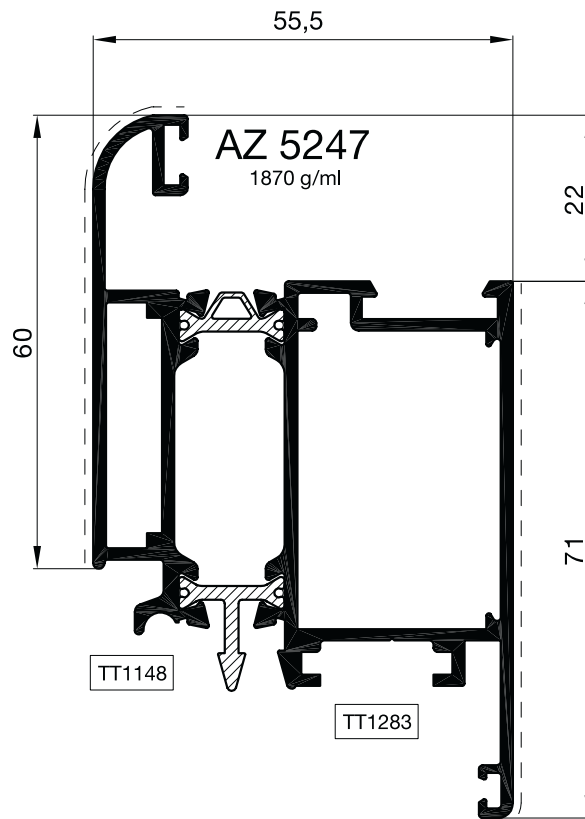
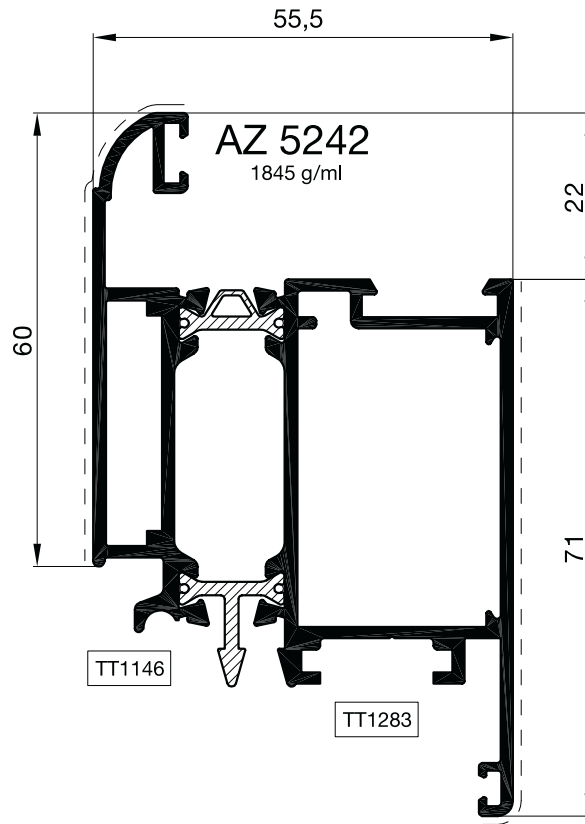


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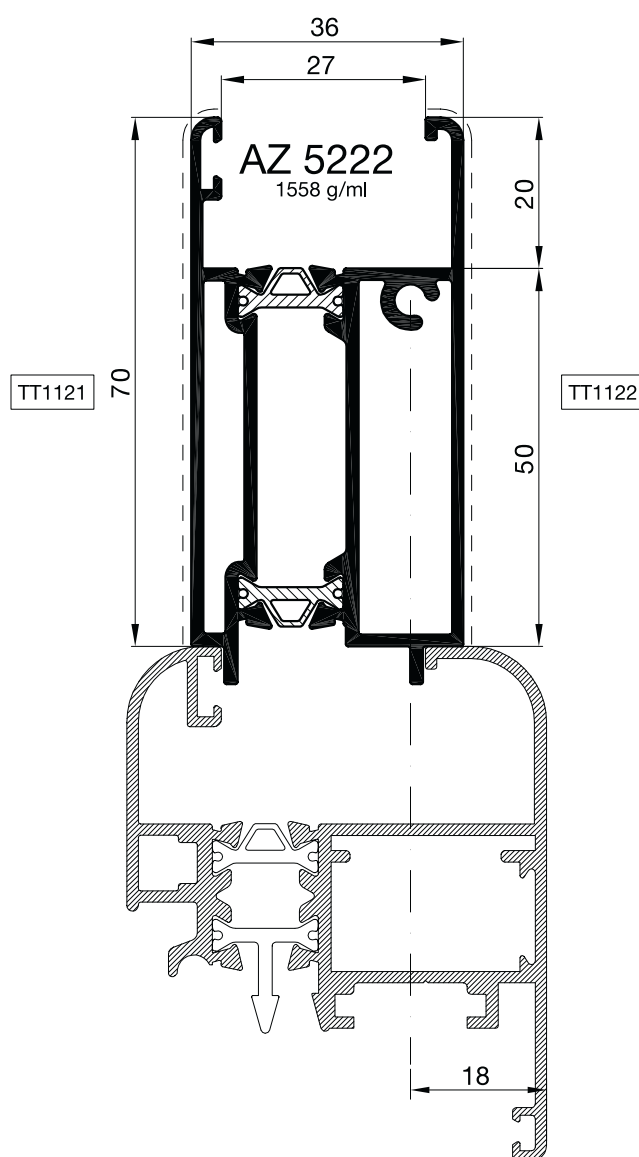
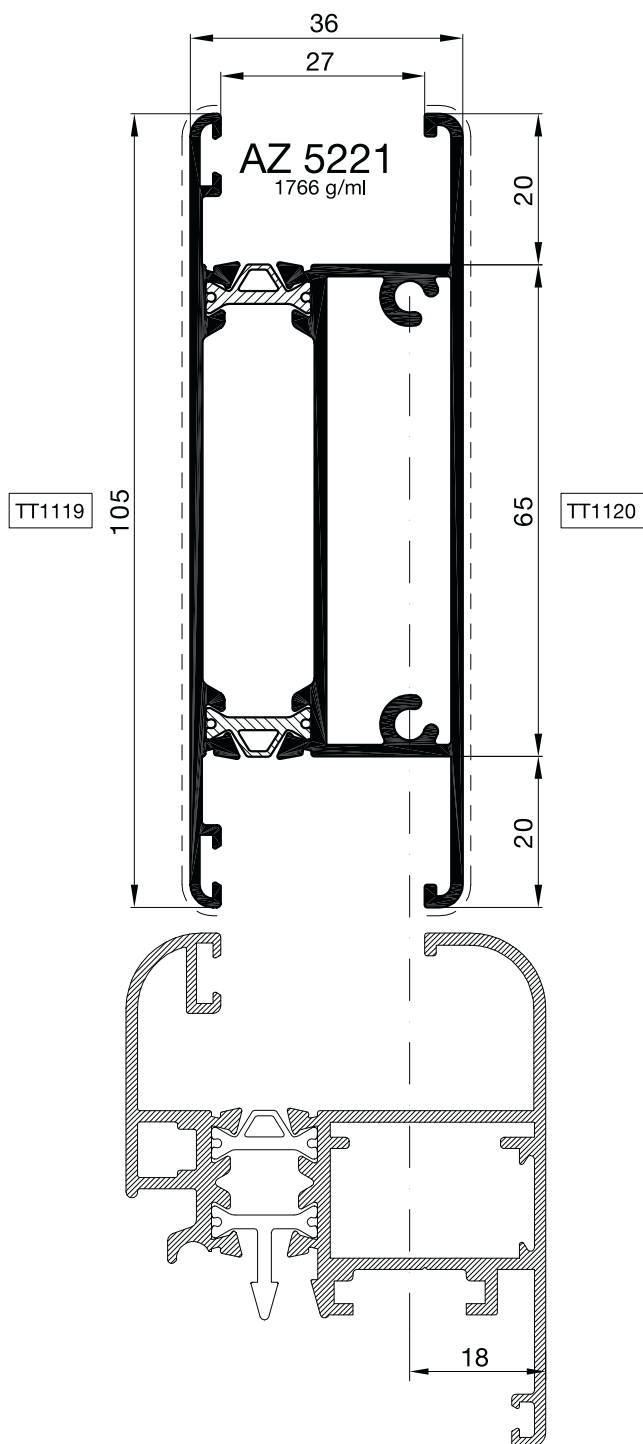

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scala 1:1

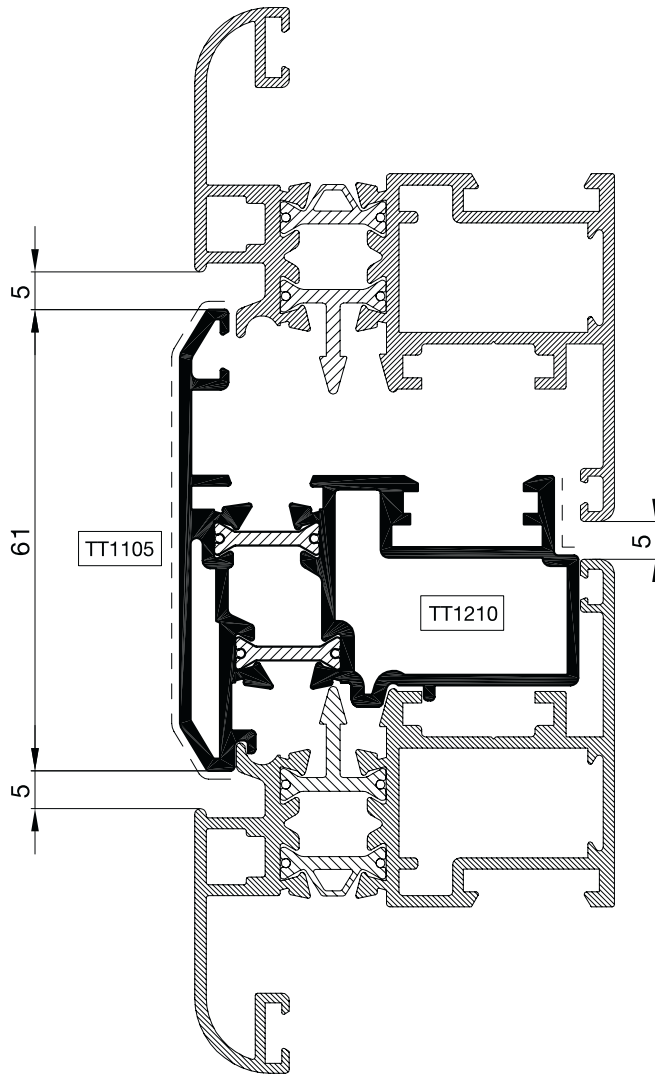



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scala 1:1



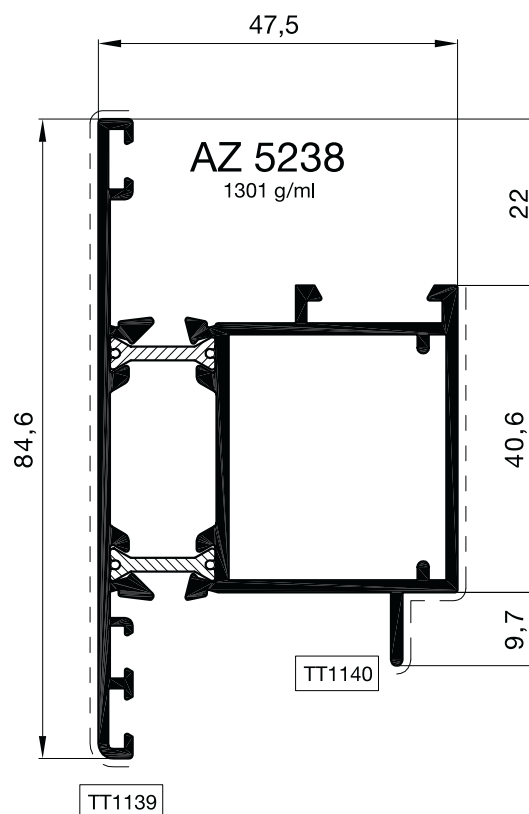
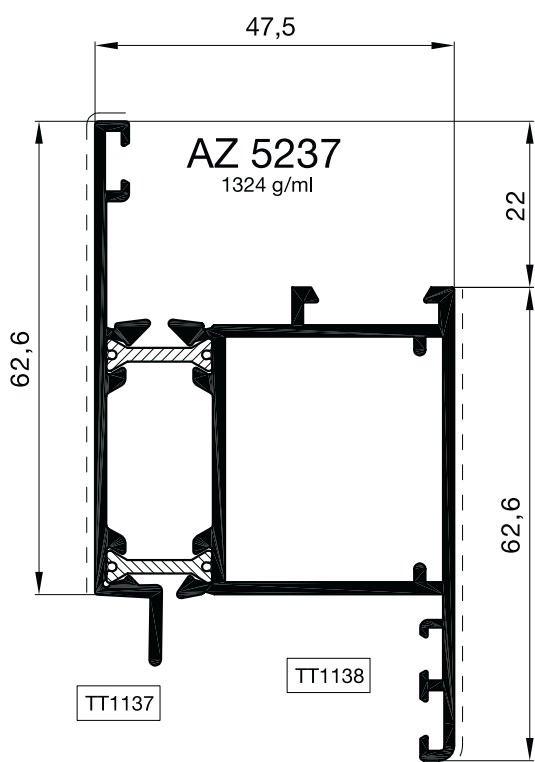
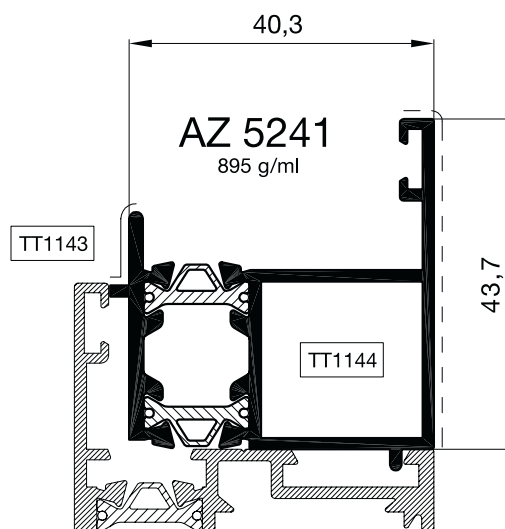
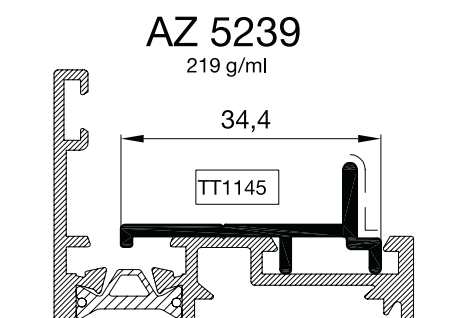

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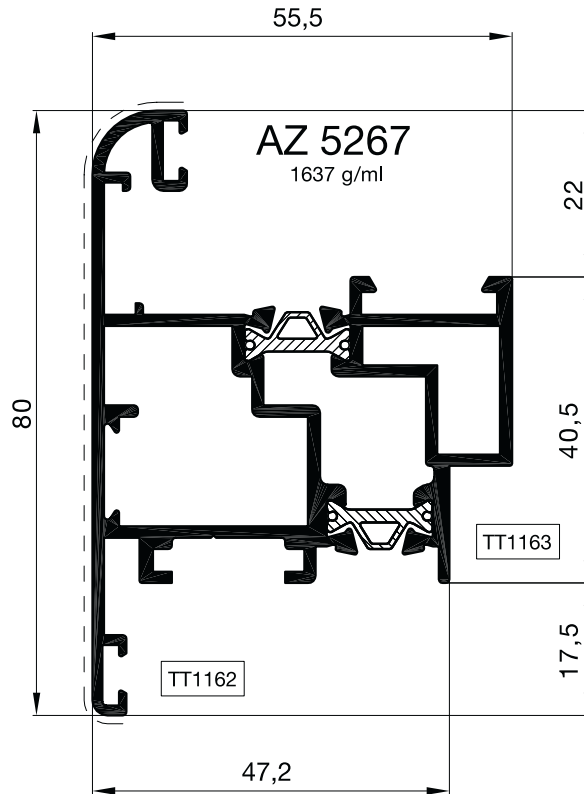
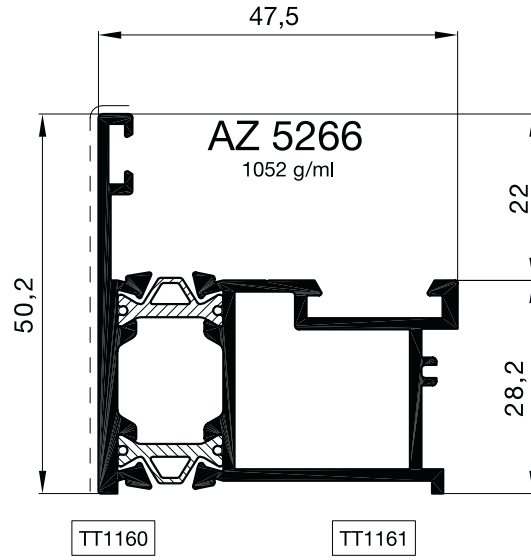
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CODICE MATRICE

scala 1:1

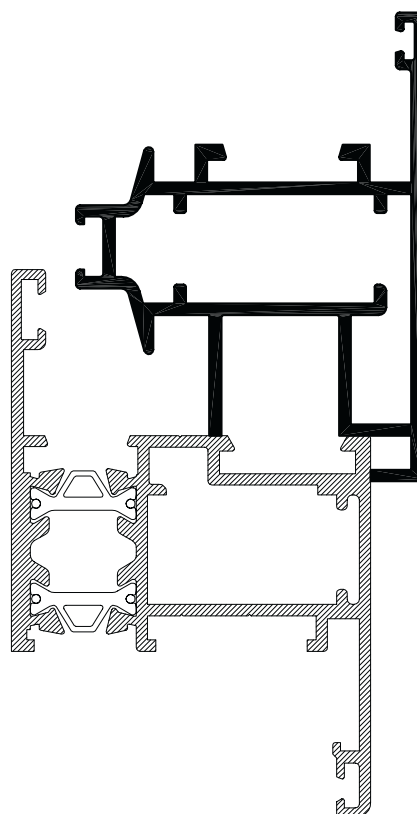
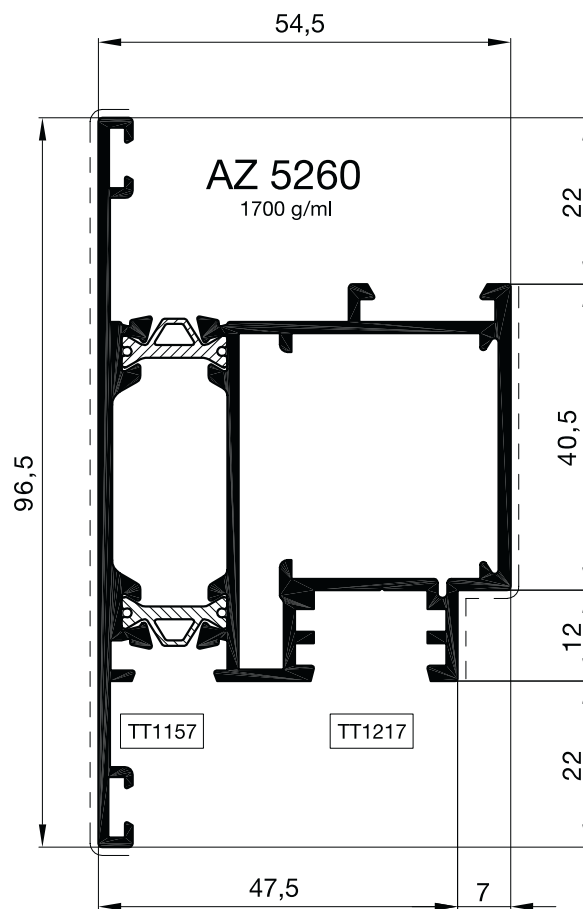
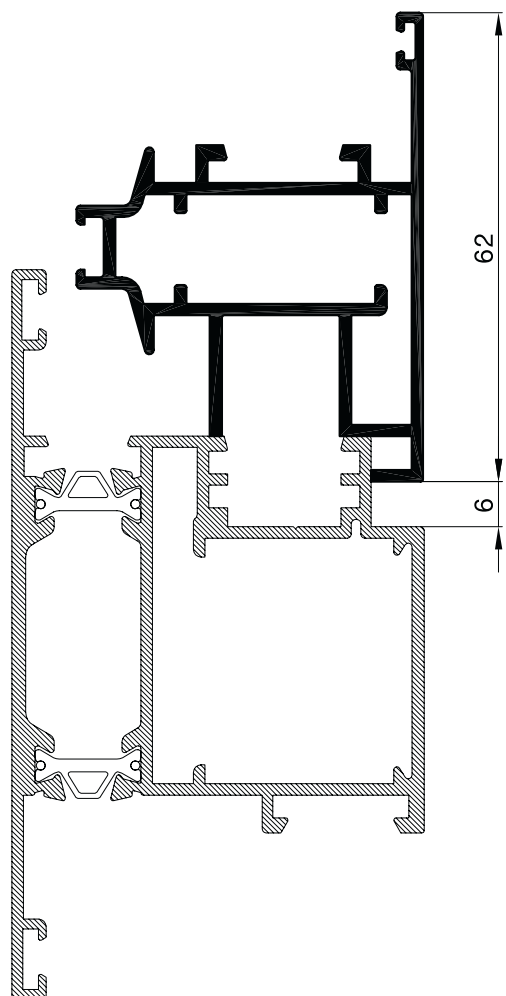
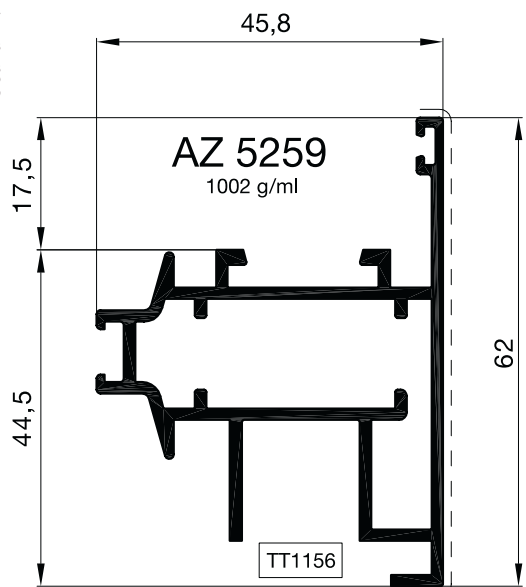




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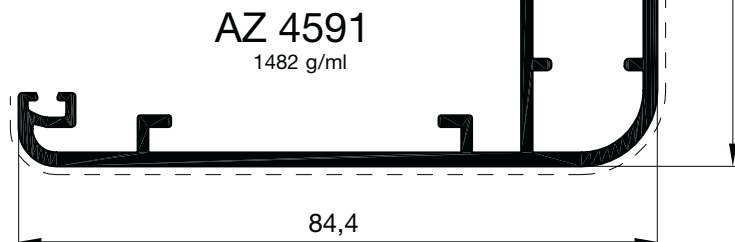
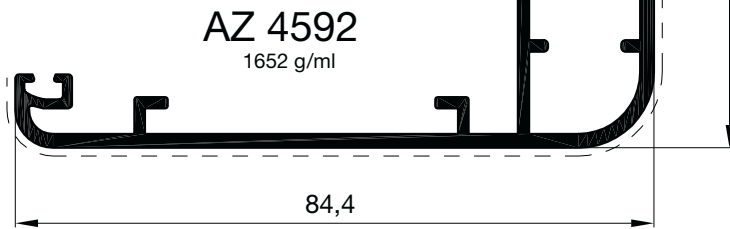
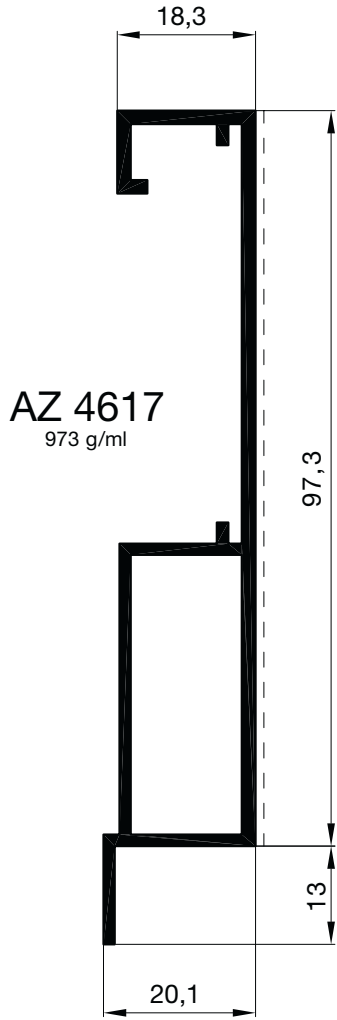

CODICE MATRICE


scala 1:1

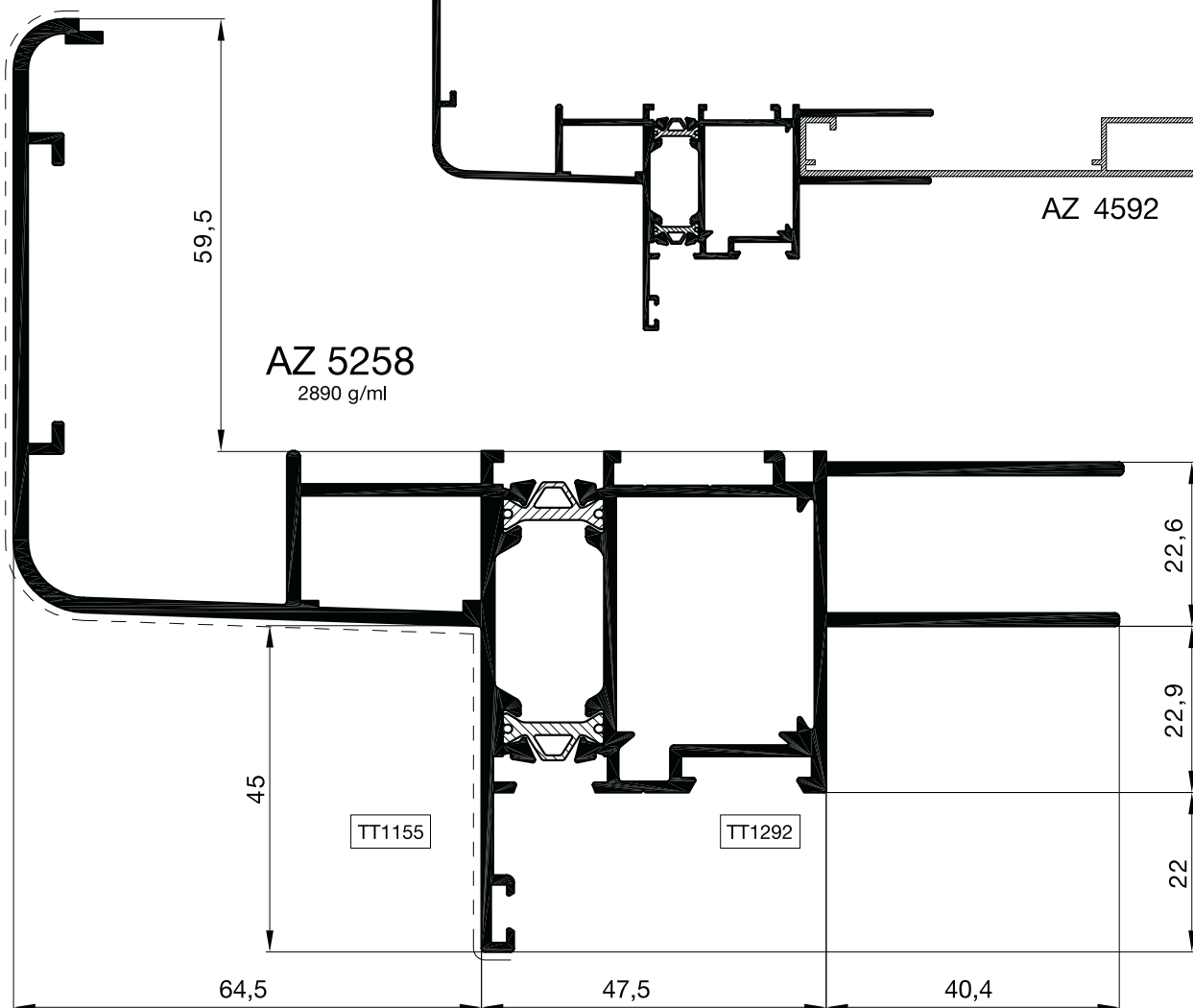
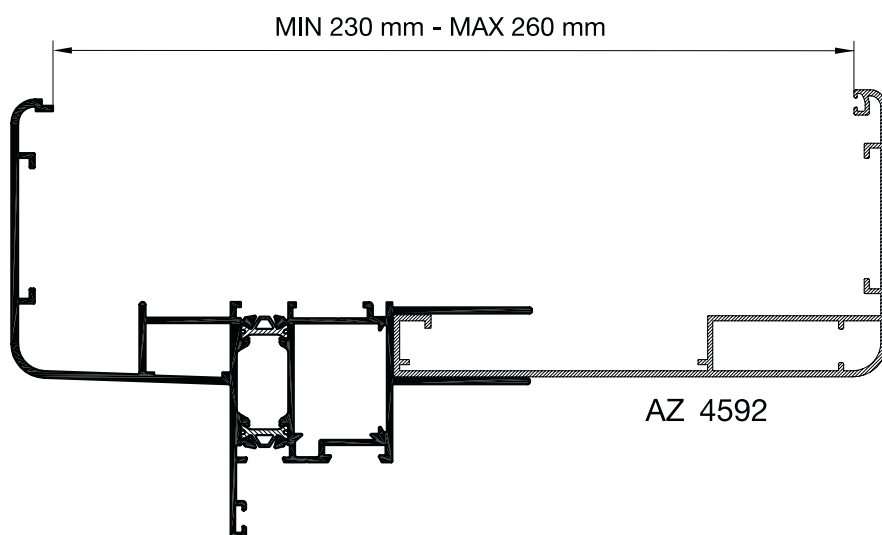
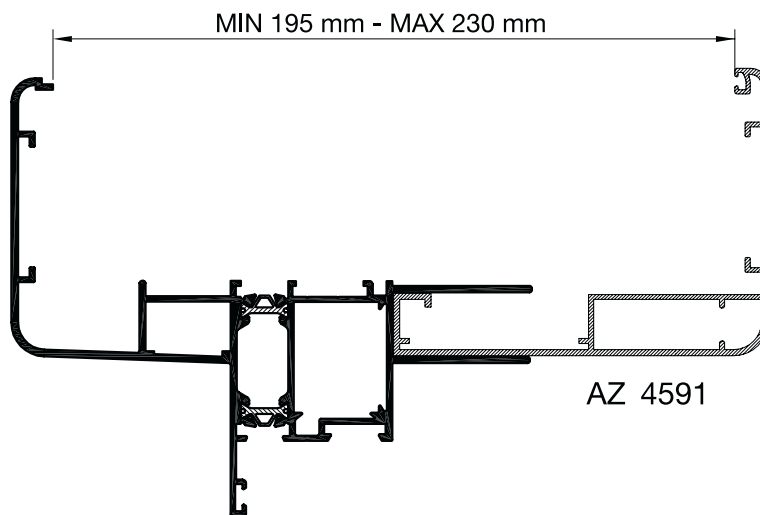


 CODICE MATRICE

scala 1:1

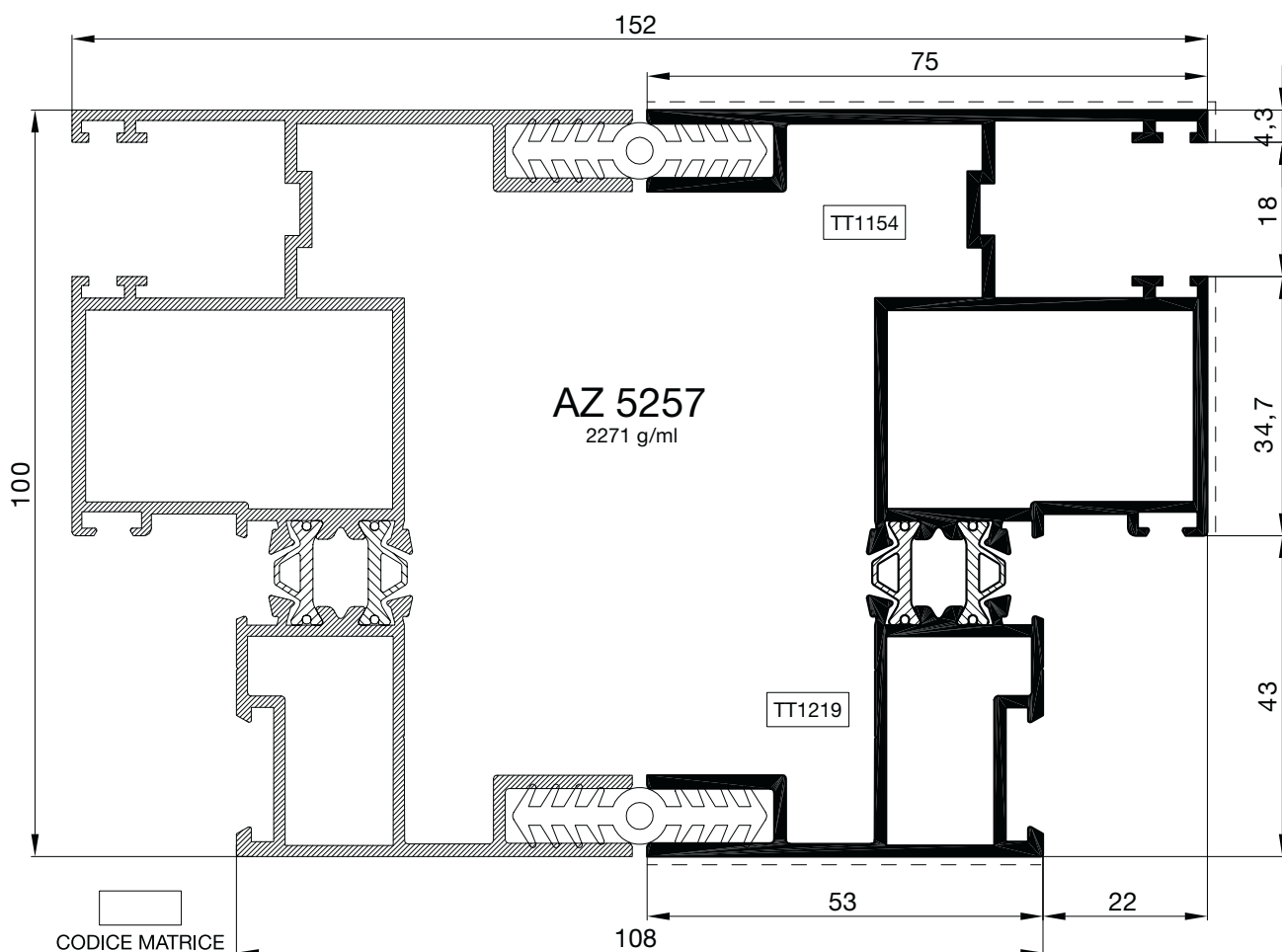
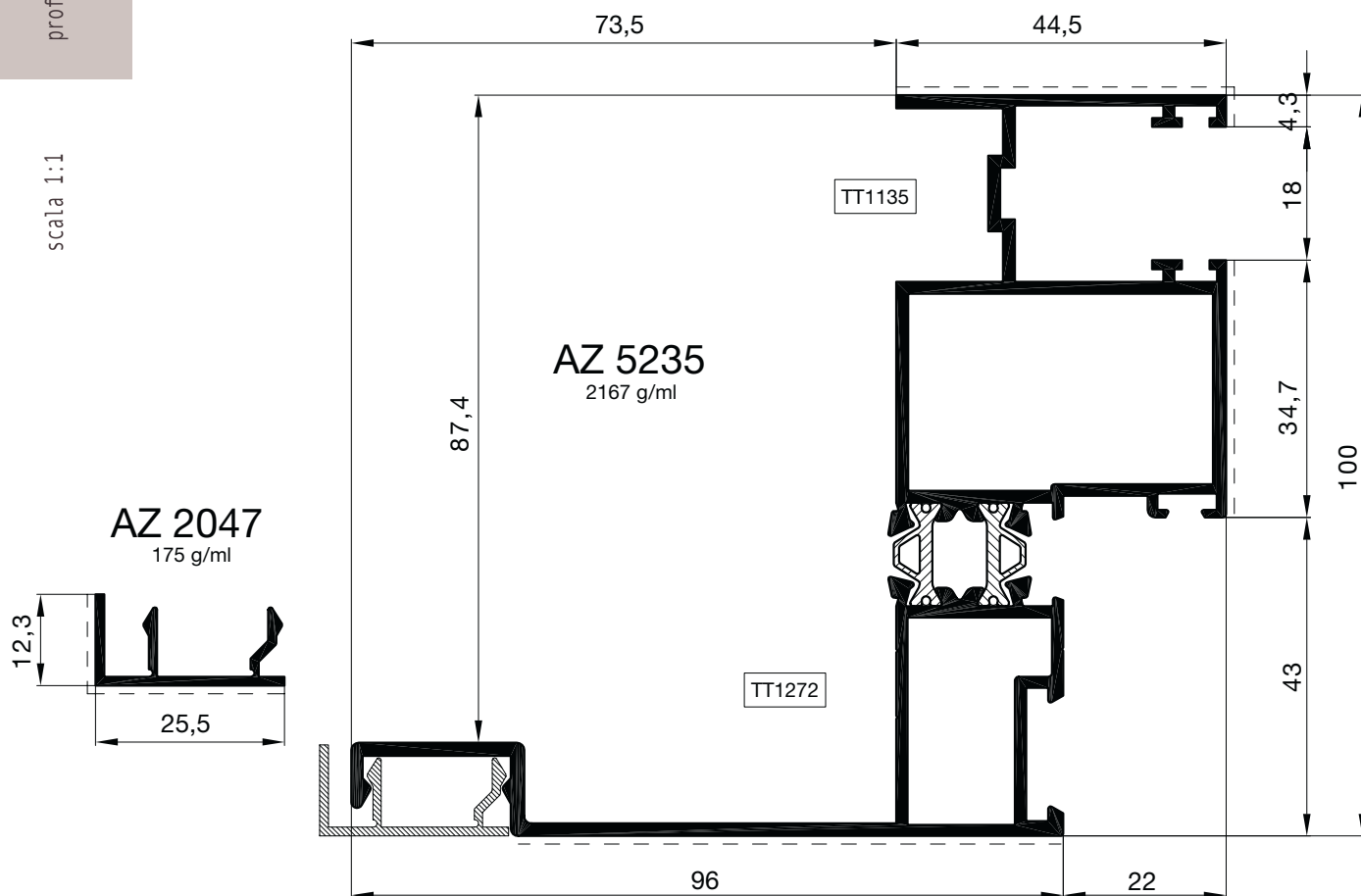


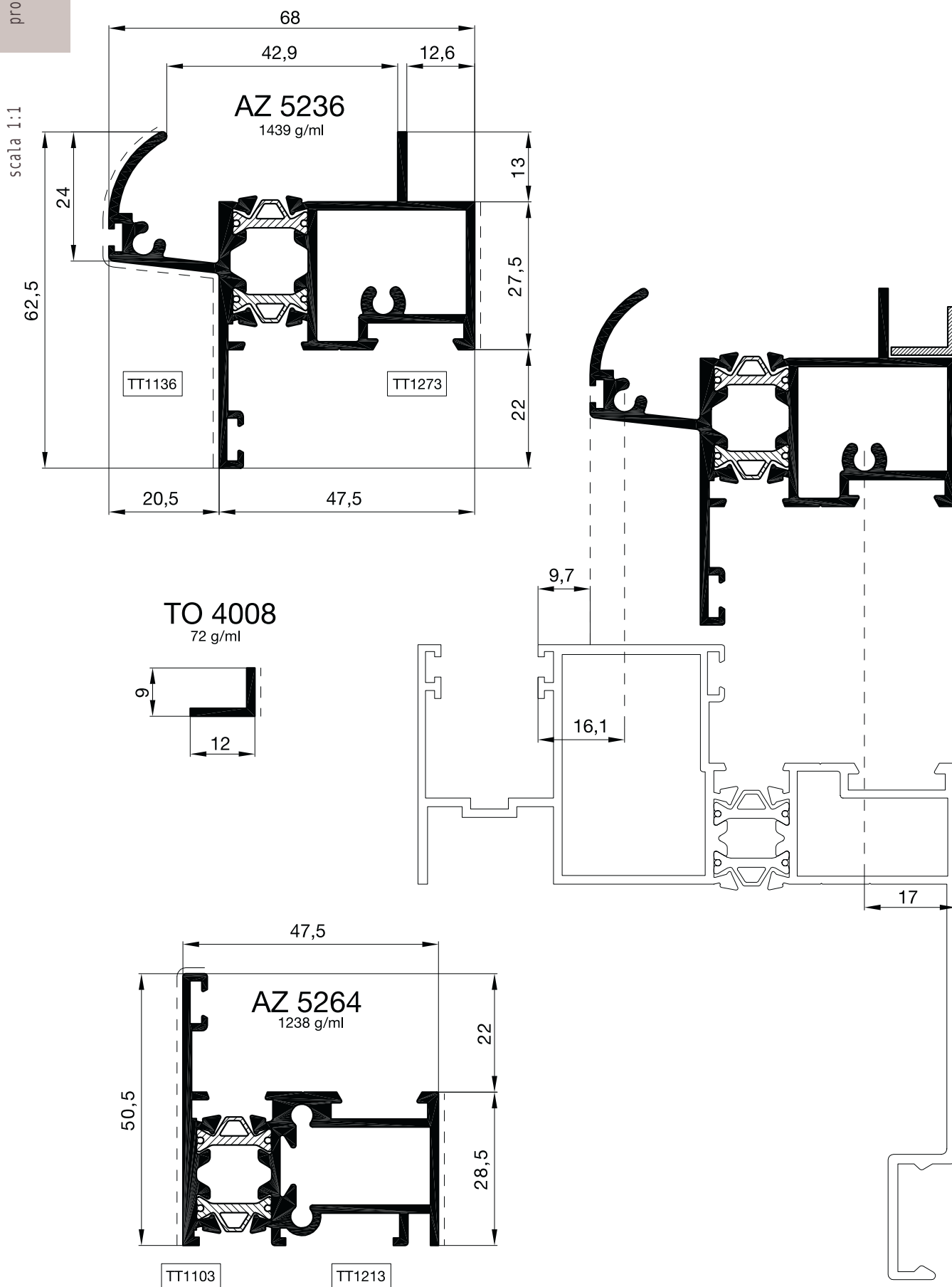

CODICE MATRICE




CODICE MATRICE

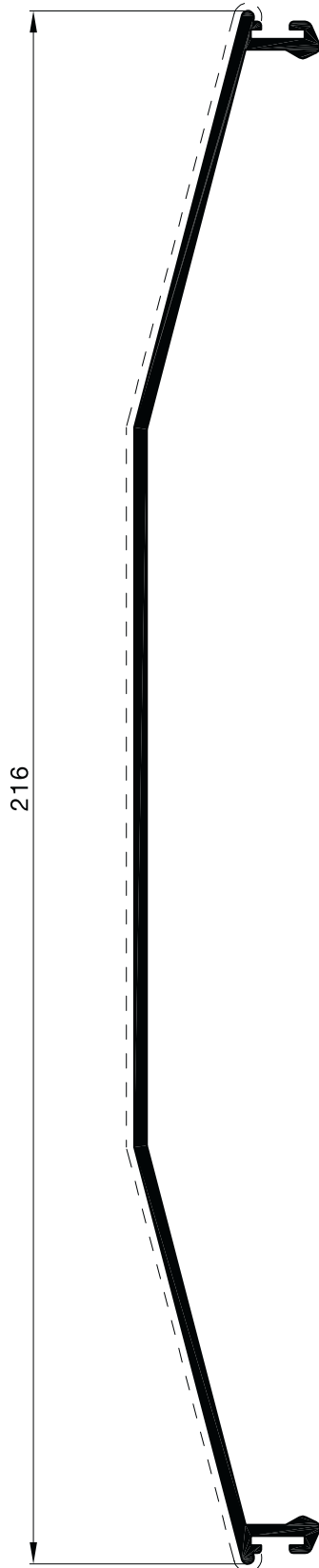
scala 1:1



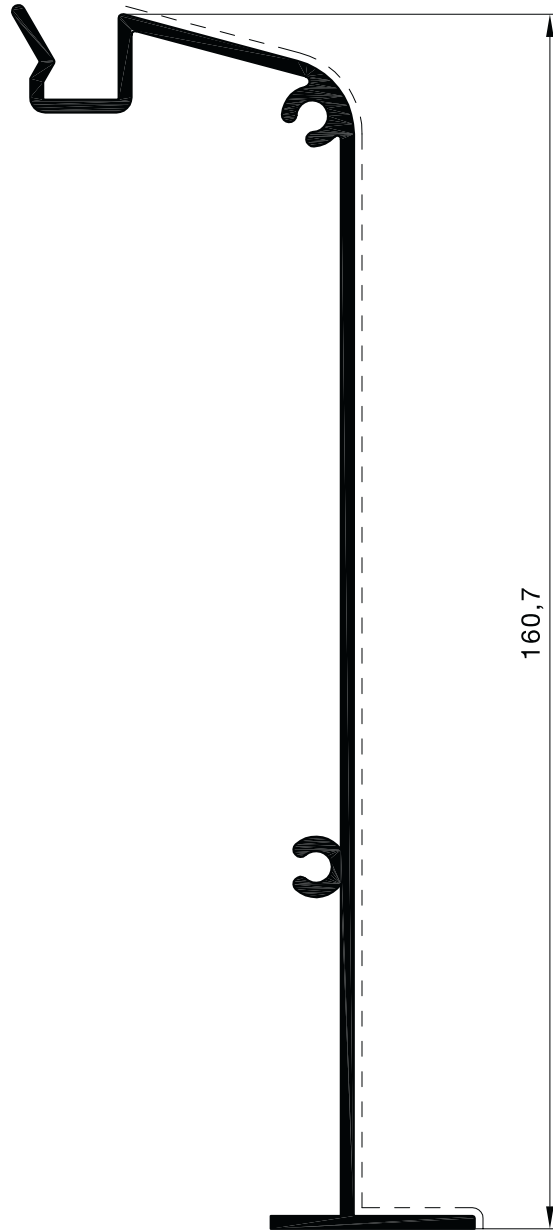



CODICE MATRICE


scala 1:1



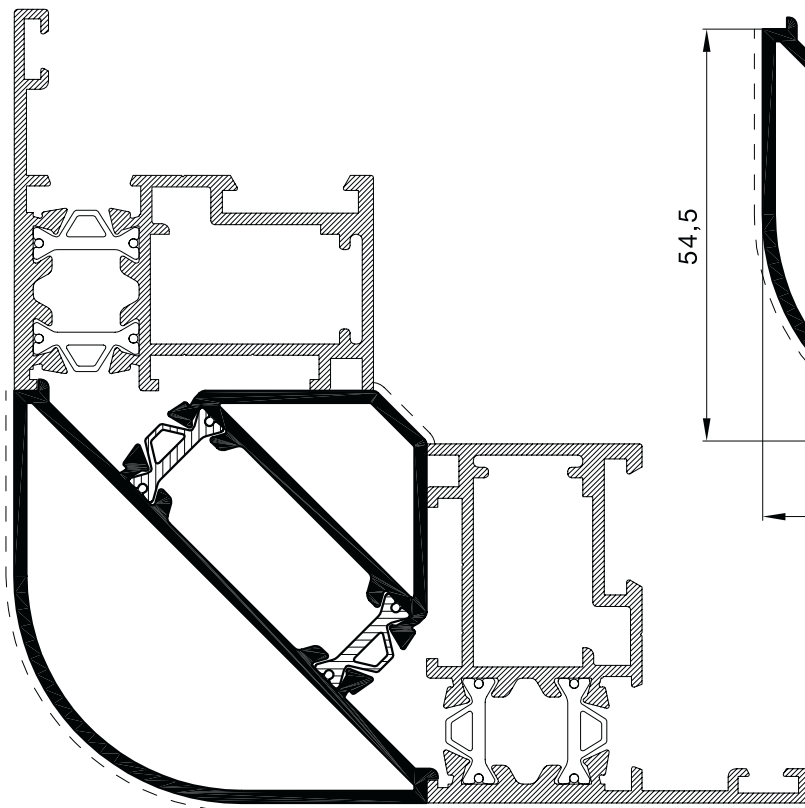
AZ 4569
1140 g/ml



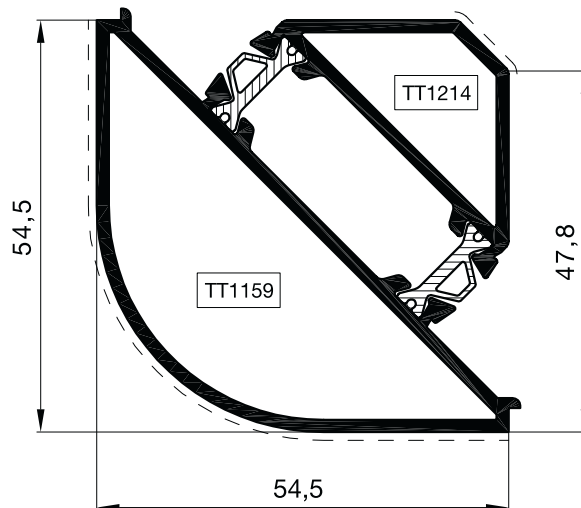
AZ 4568
1258 g/ml


CODICE MATRICE

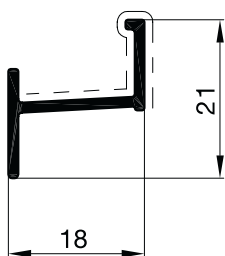
scala 1:1



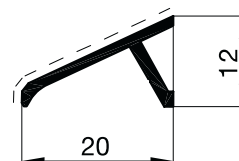
AZ 5265
1403 g/ml



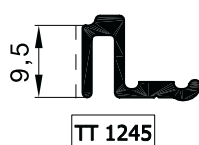
AZ 4526
156 g/ml



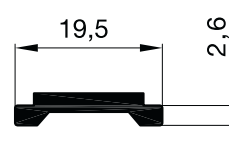
AZ 4567
115 g/ml




AZ 6841
173 g/ml



AZ 2035
143 g/ml

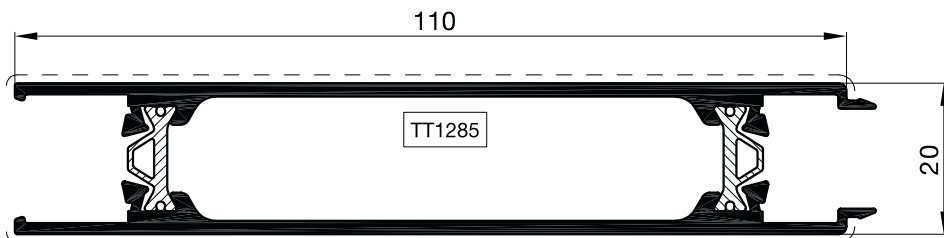



CODICE MATRICE

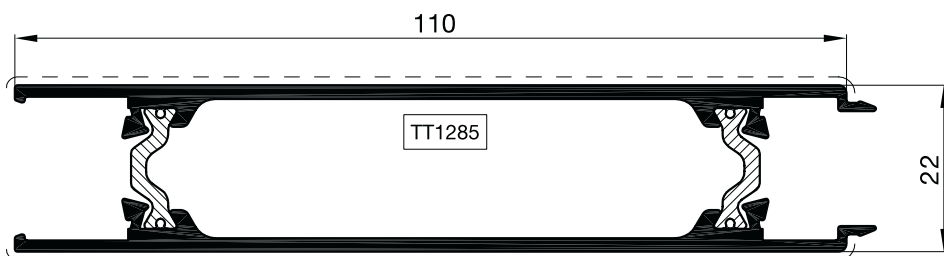


scala 1:1

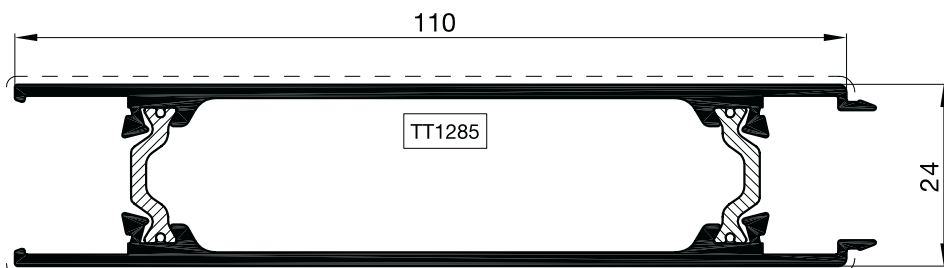
AZ 5246
1436 g/ml



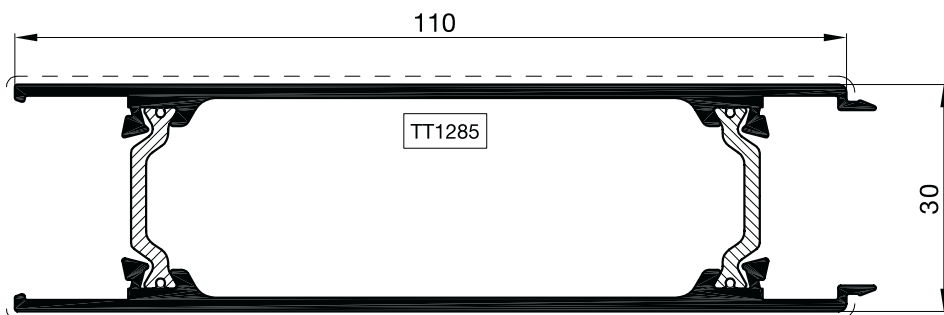
AZ 5253
1451 g/ml



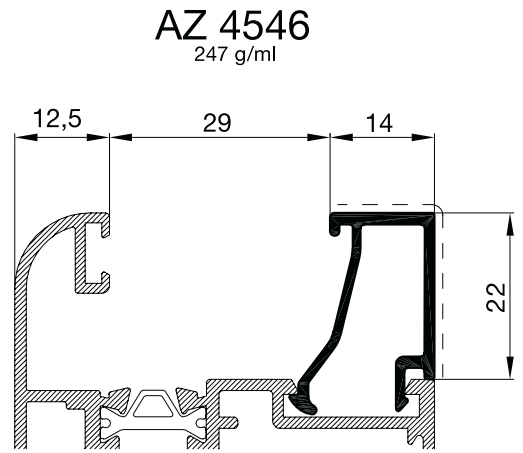
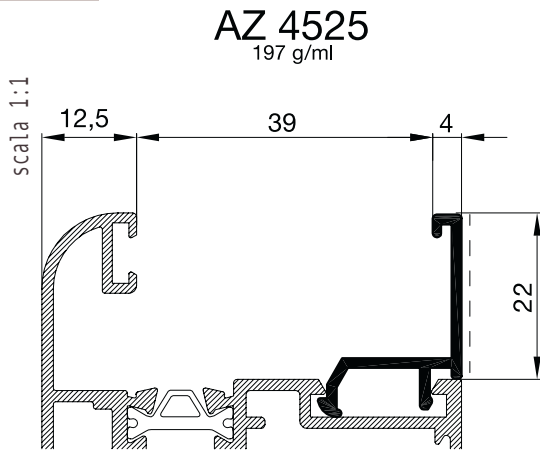
AZ 5243
1462 g/ml



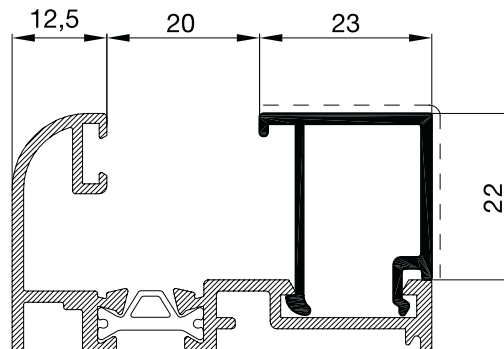
AZ 6862
1491 g/ml



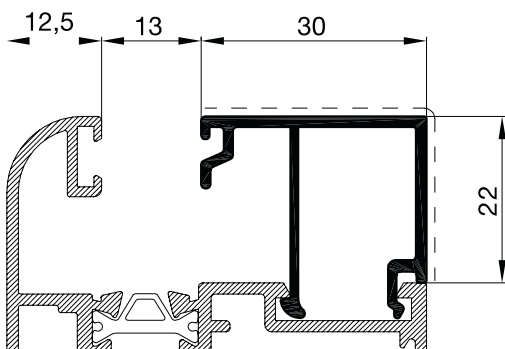

CODICE MATRICE



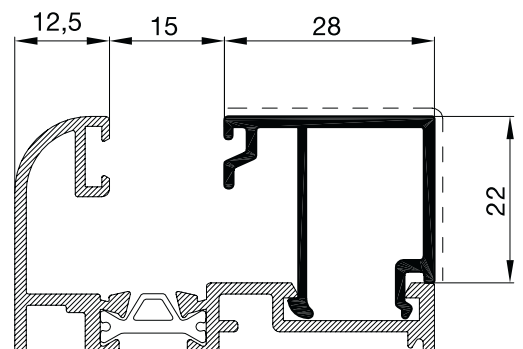
AZ 4557
278 g/ml




AZ 4559
337 g/ml



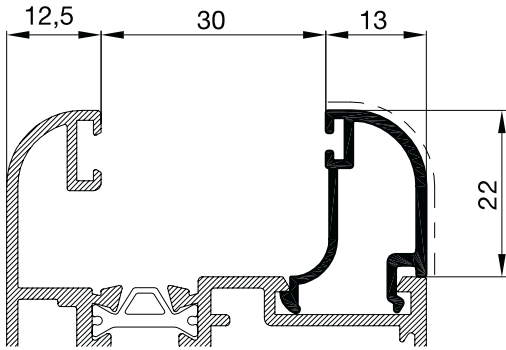
AZ 4558
330 g/ml



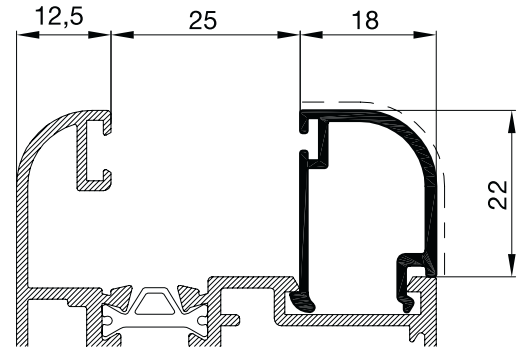

CODICE MATRICE

scala 1:1

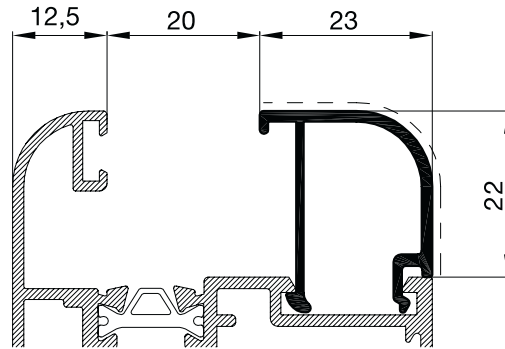
AZ 4575
237 g/ml



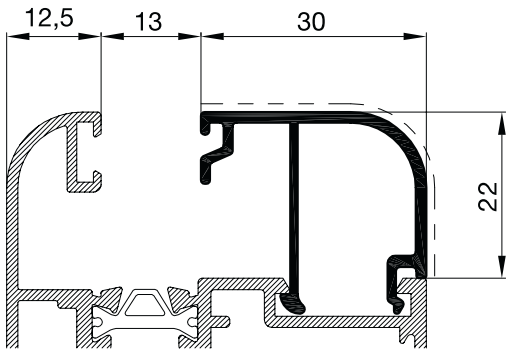
AZ 4576
255 g/ml



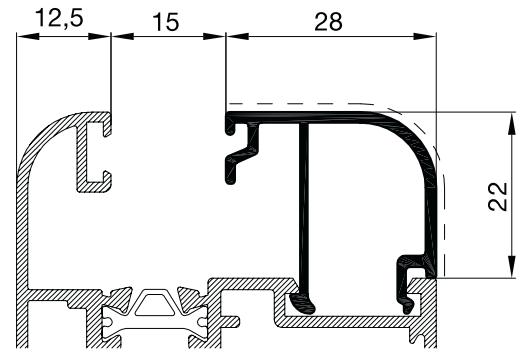
AZ 4518
275 g/ml




AZ 4517
322 g/ml

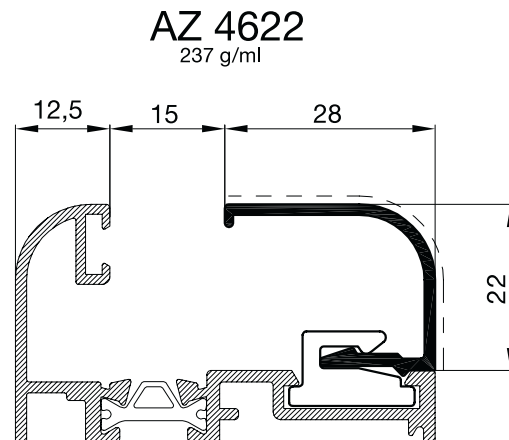
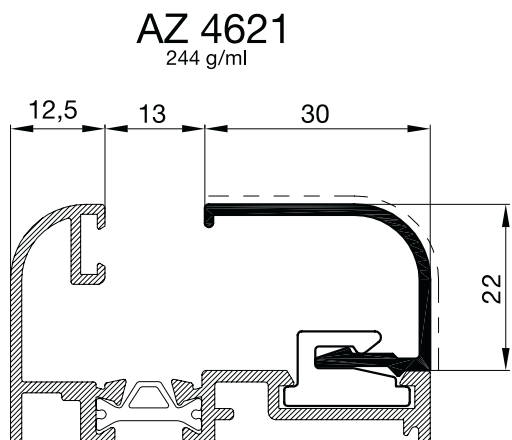
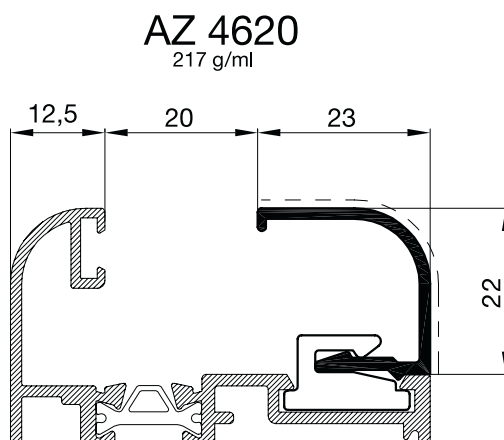
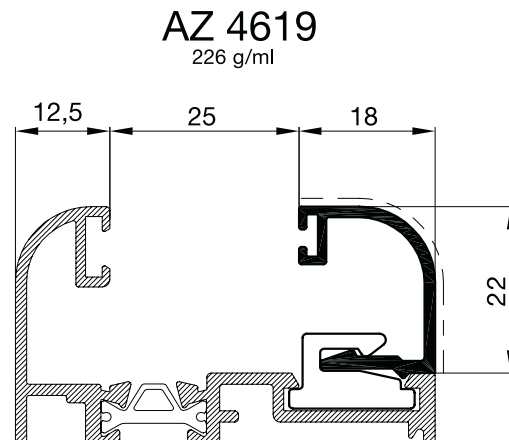
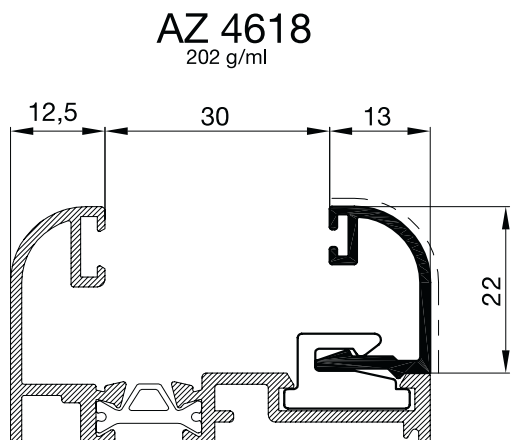



AZ 4532
313 g/ml




CODICE MATRICE

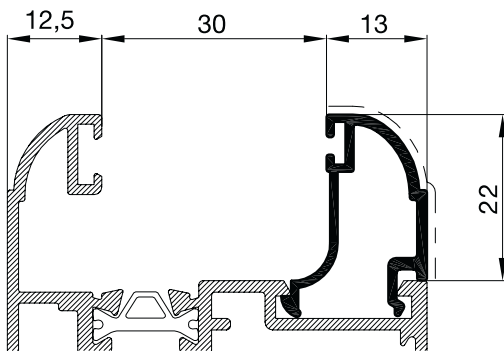
scala 1:1



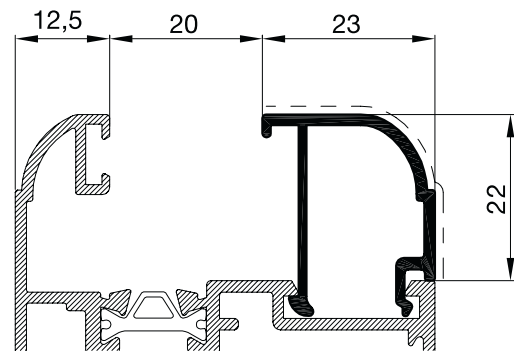

CODICE MATRICE

scala 1:1

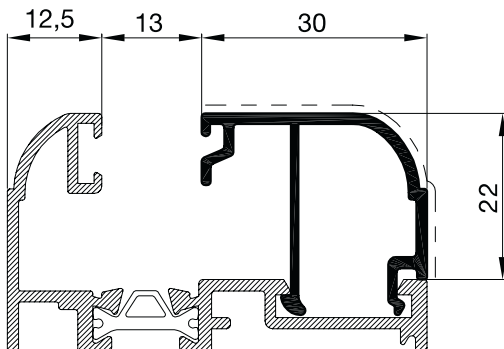
AZ 4560
231 g/ml



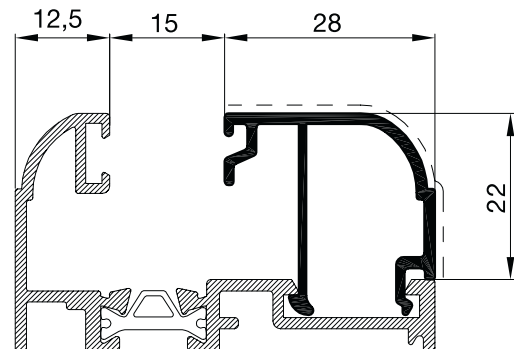
AZ 4561
263 g/ml




AZ 4563
322 g/ml

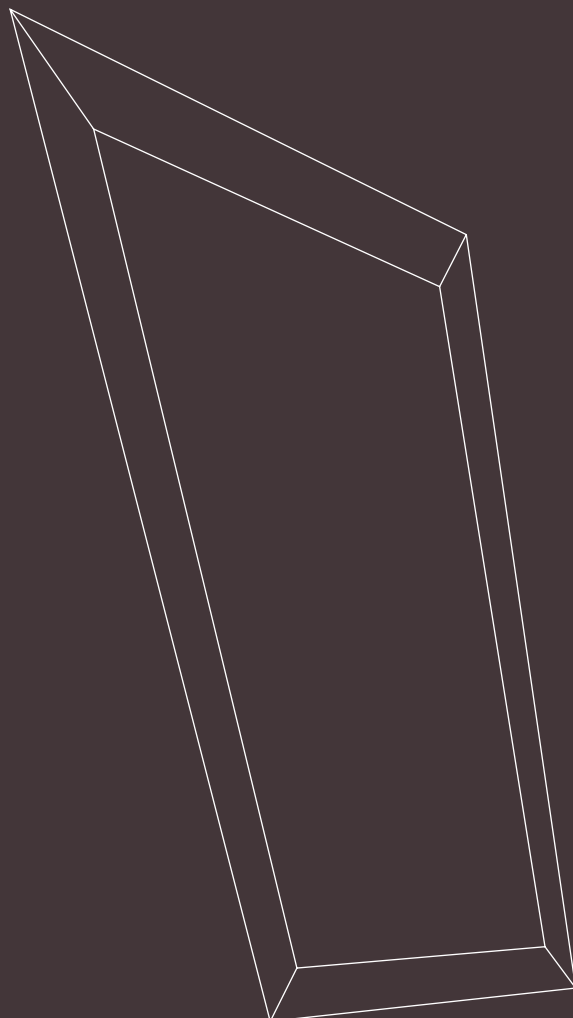


AZ 4562
315 g/ml



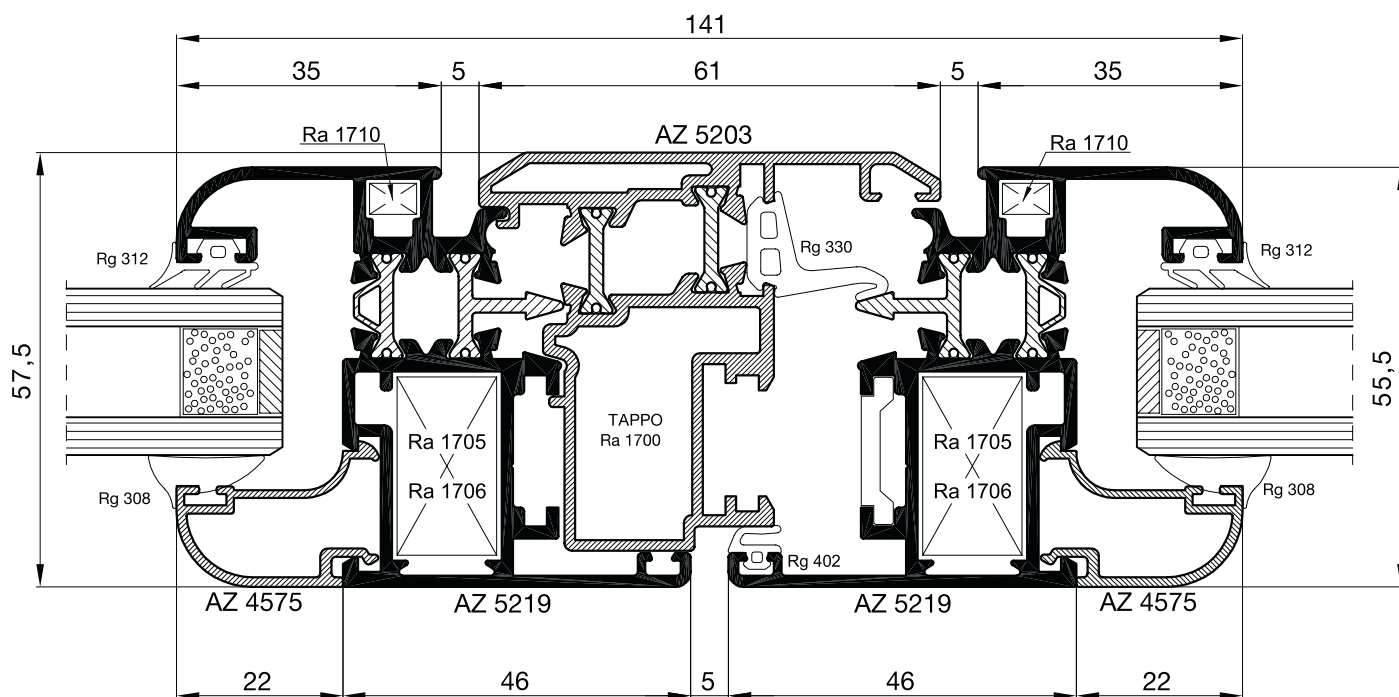
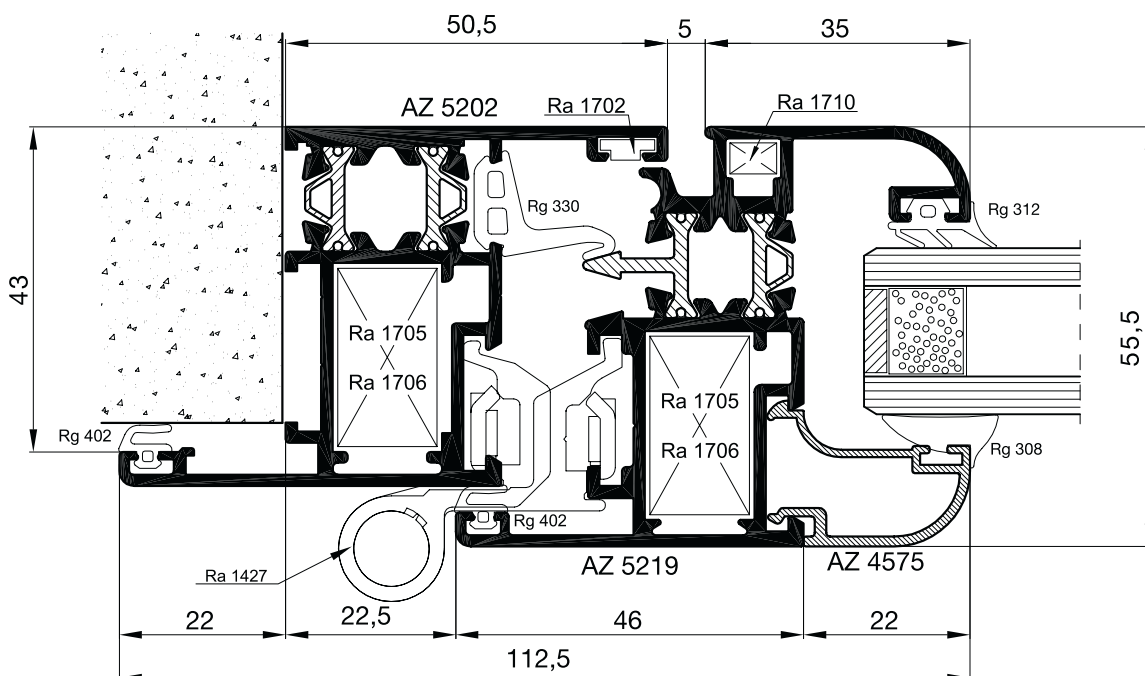
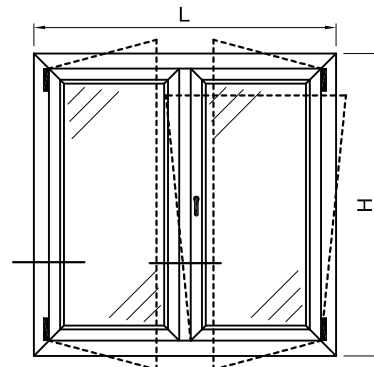

CODICE MATRICE

atlantis
serie 55TT

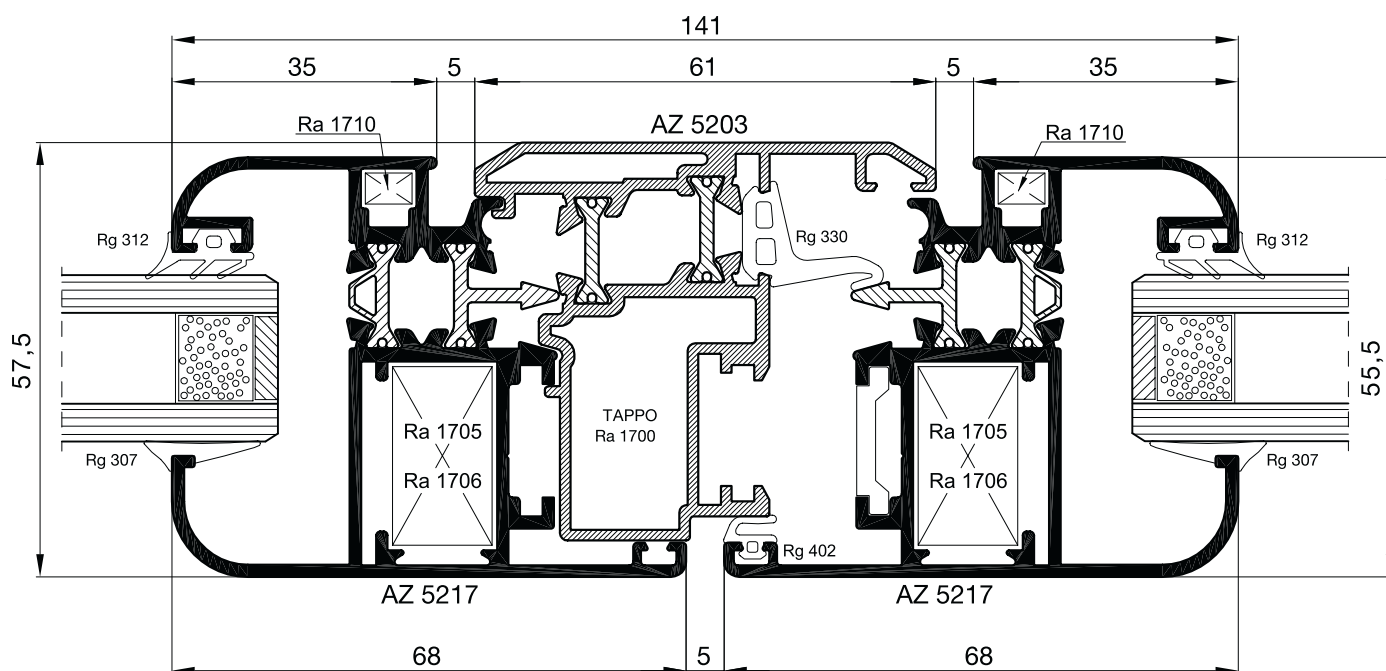
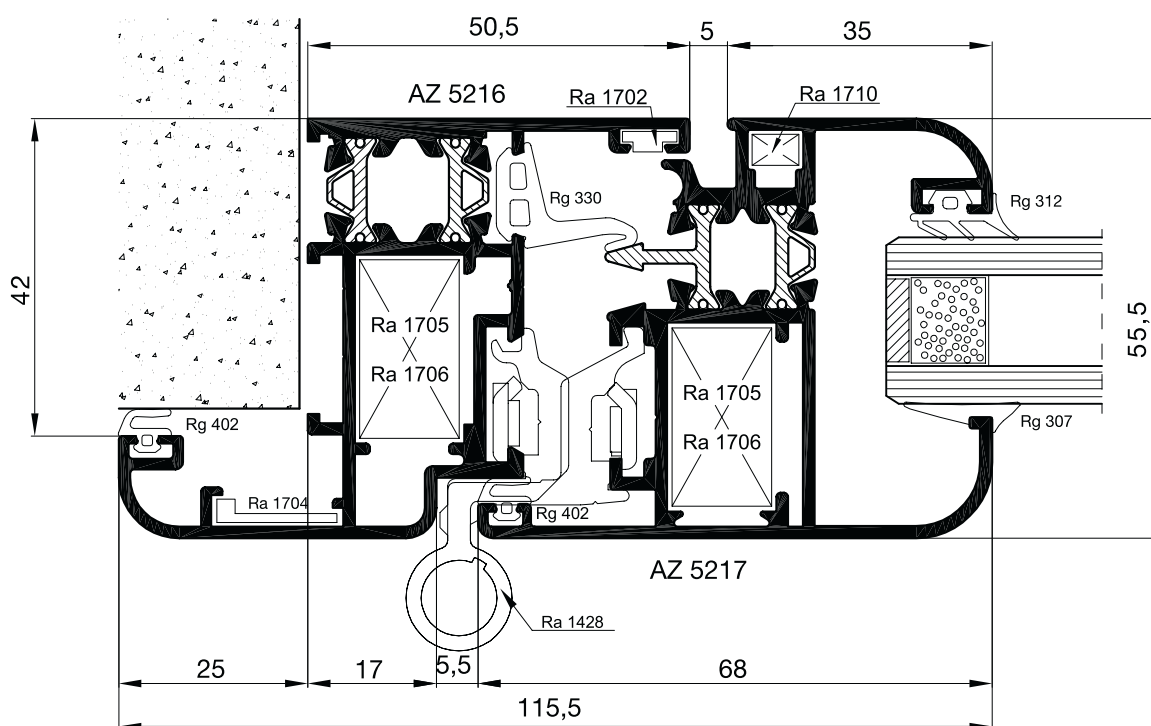
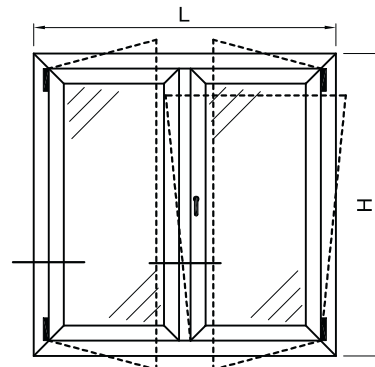


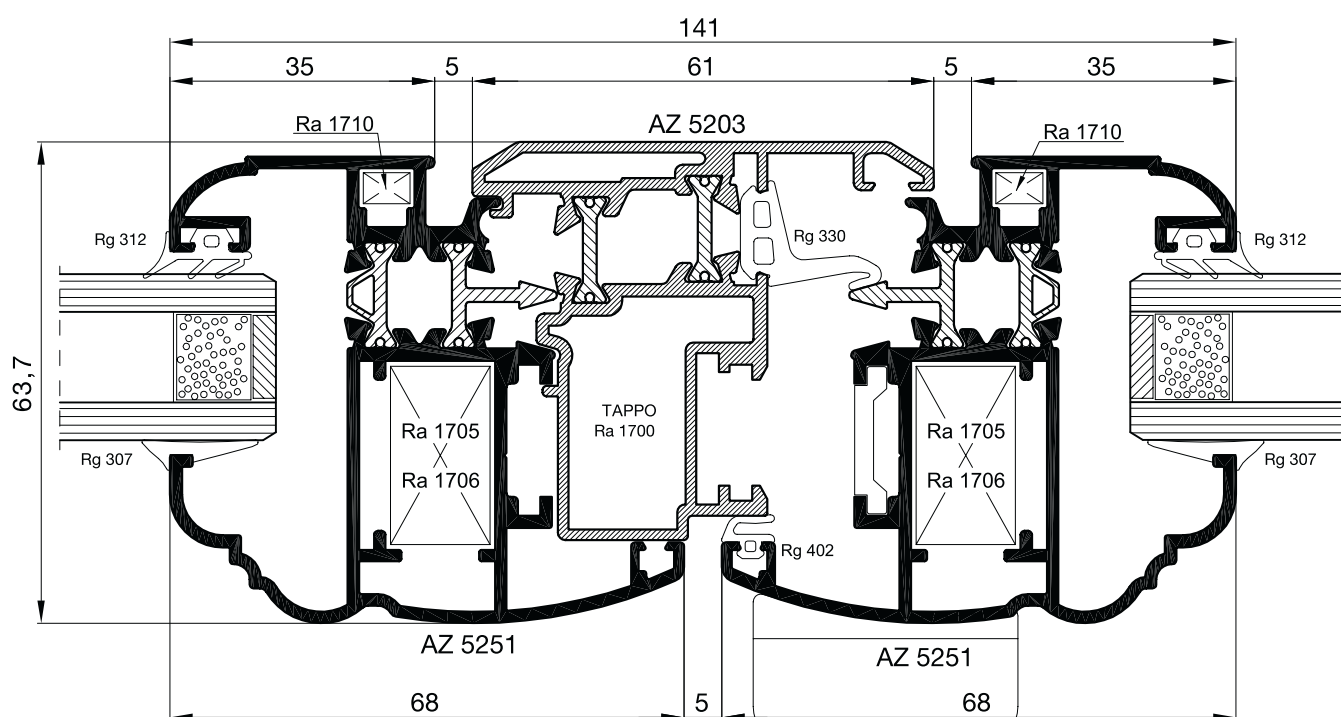
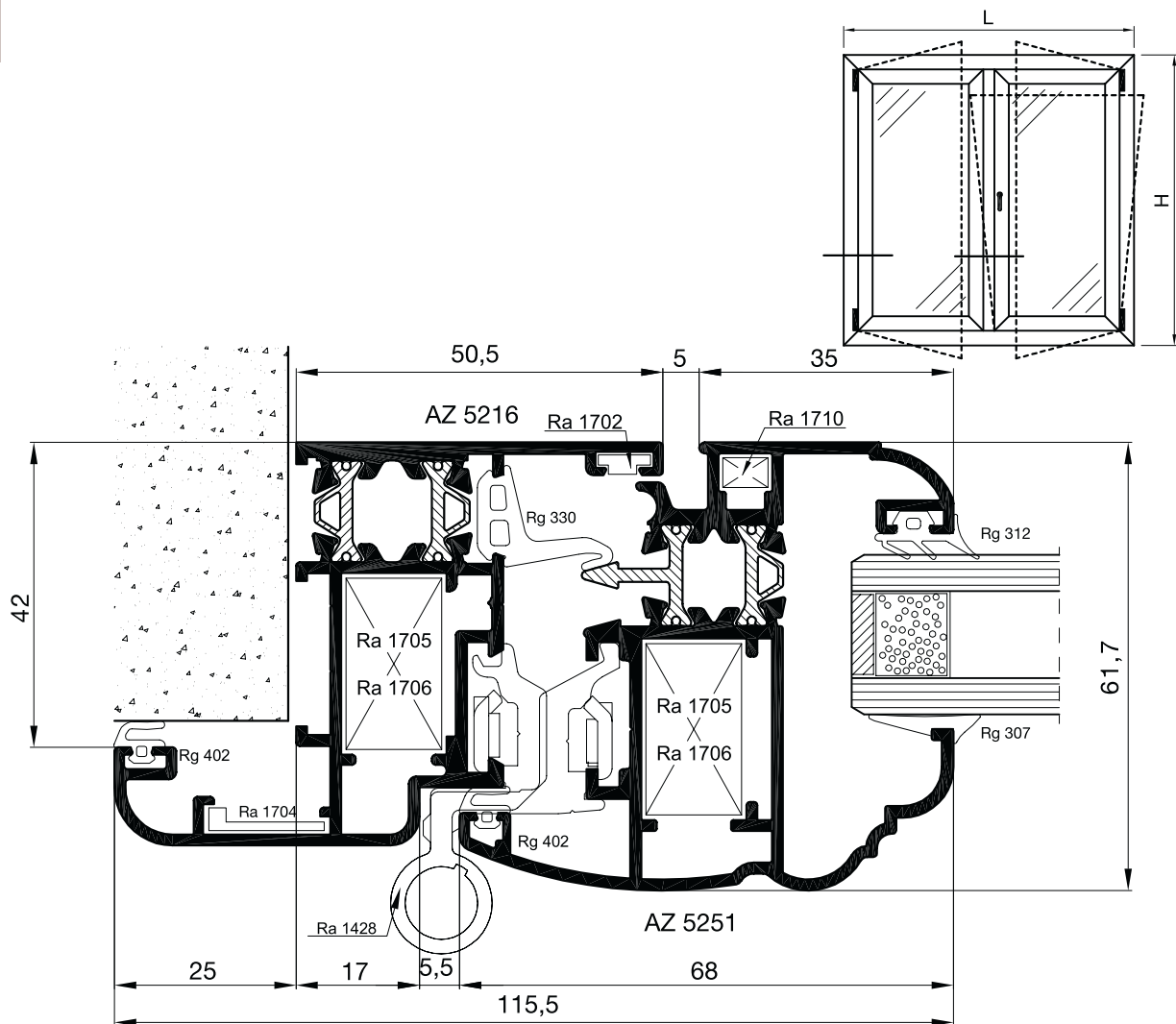
TO.MA. S.p.a.
ESTRUSIONE ALLUMINIO

scala 1:1



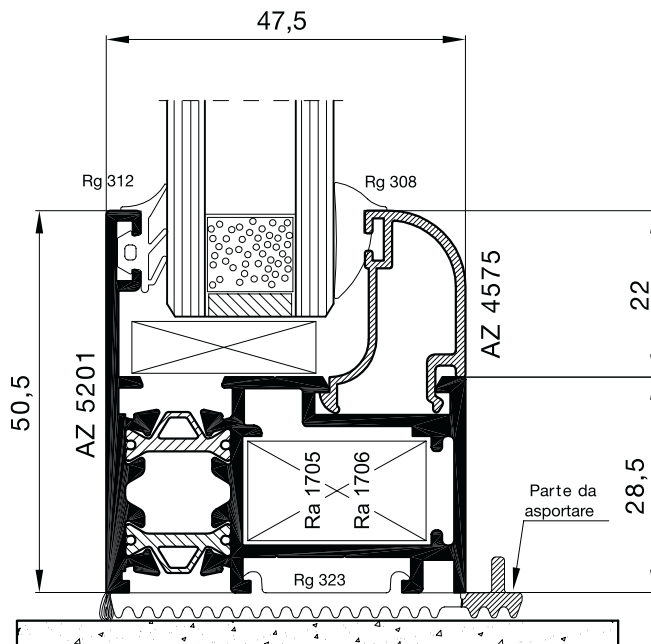
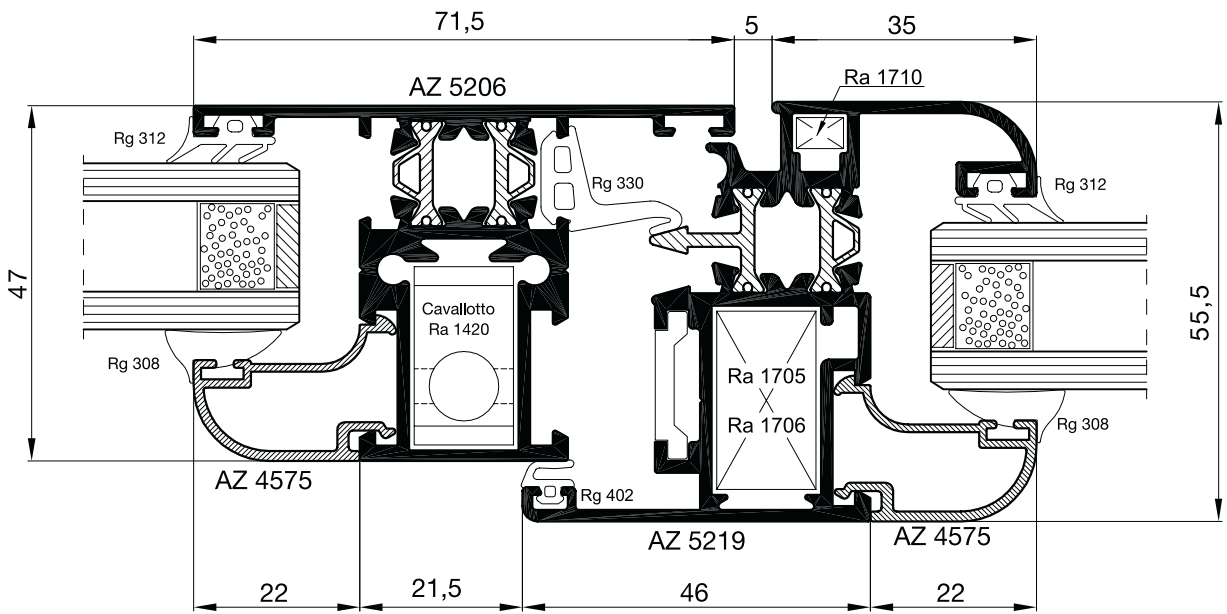
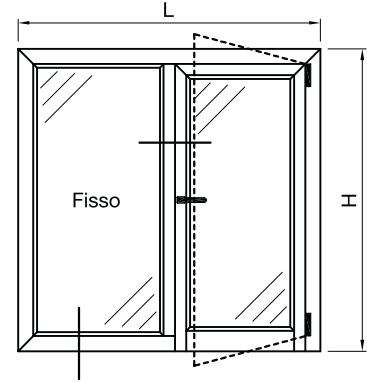
scala 1:1



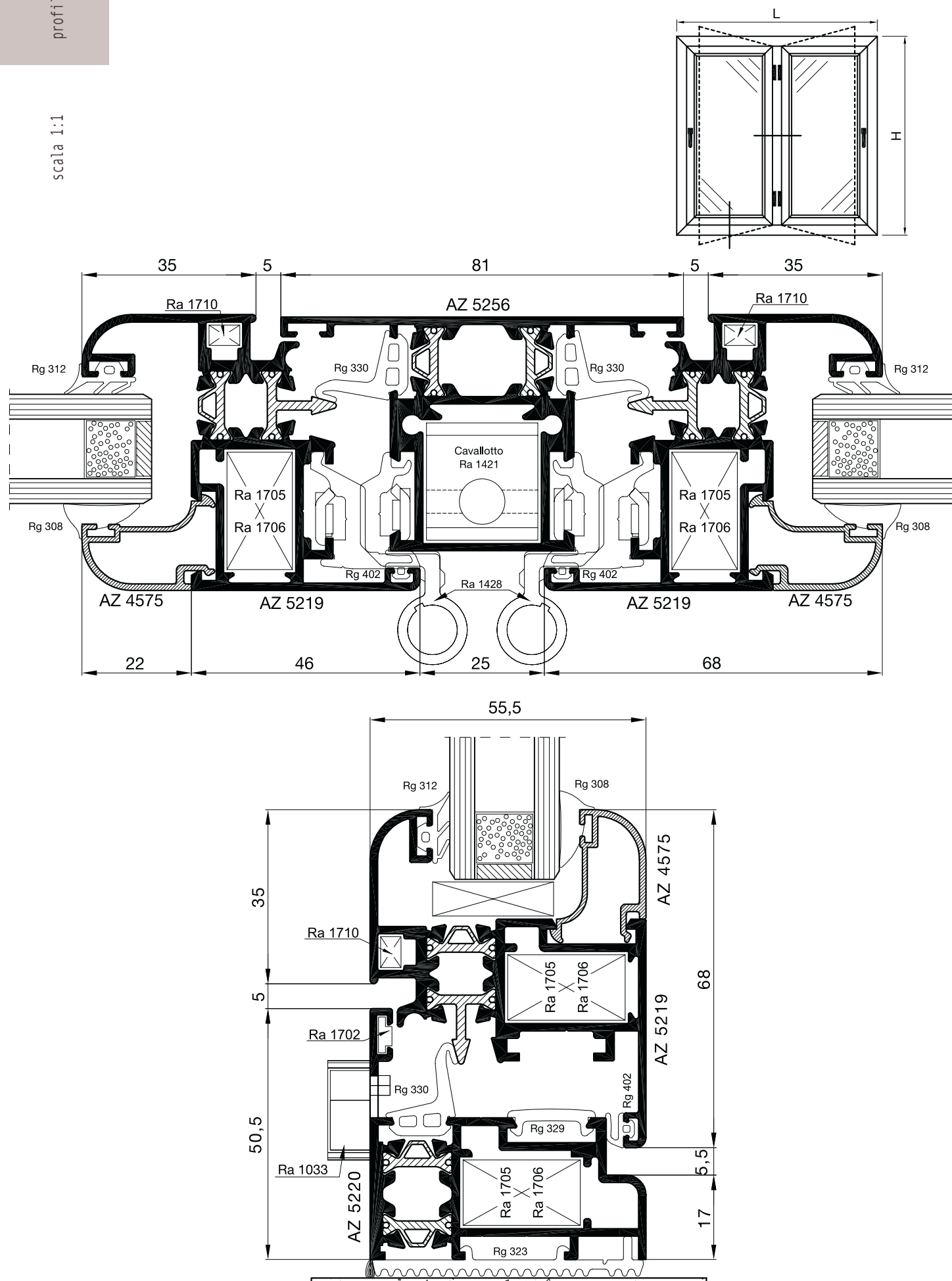


Cremonese "Dominga" Ra 1055

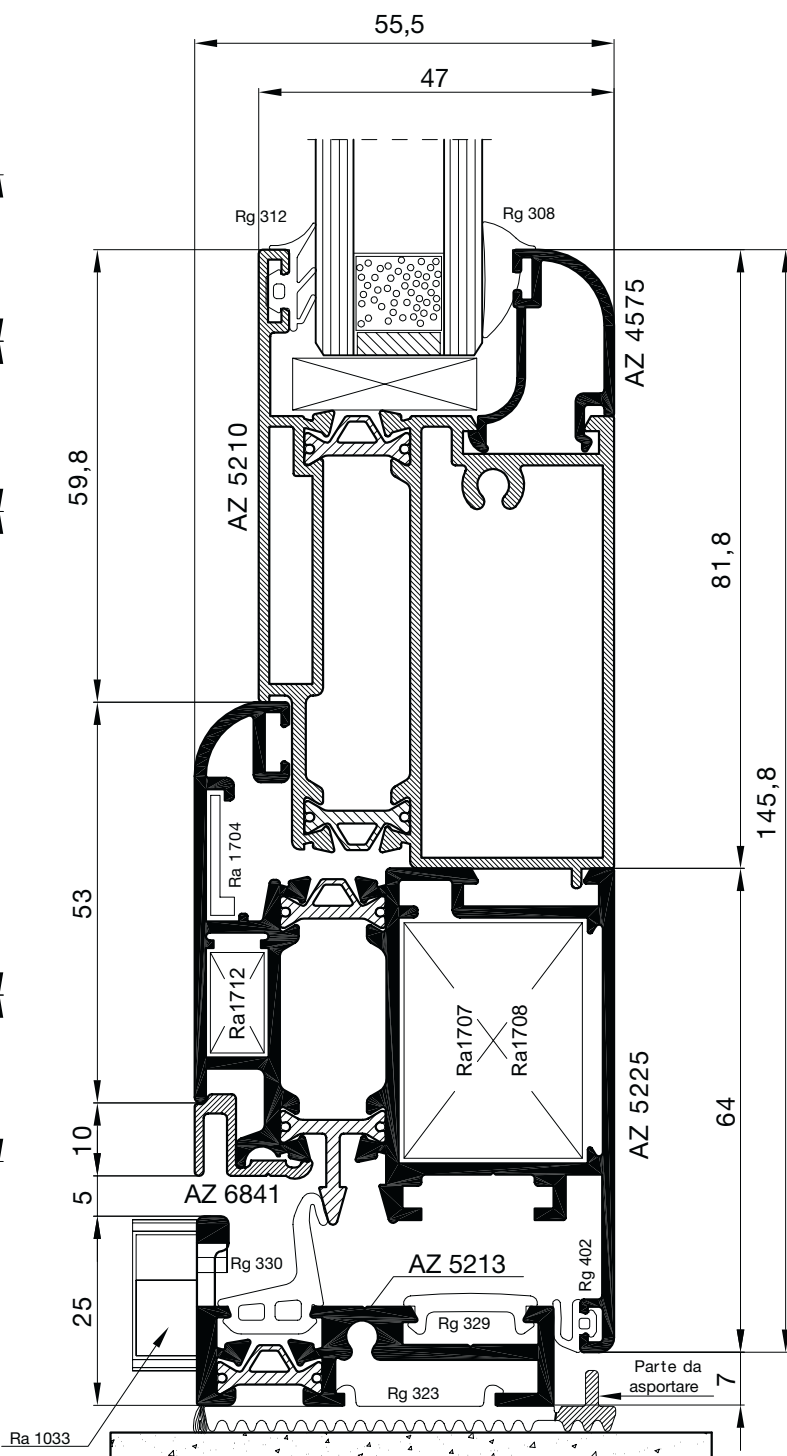
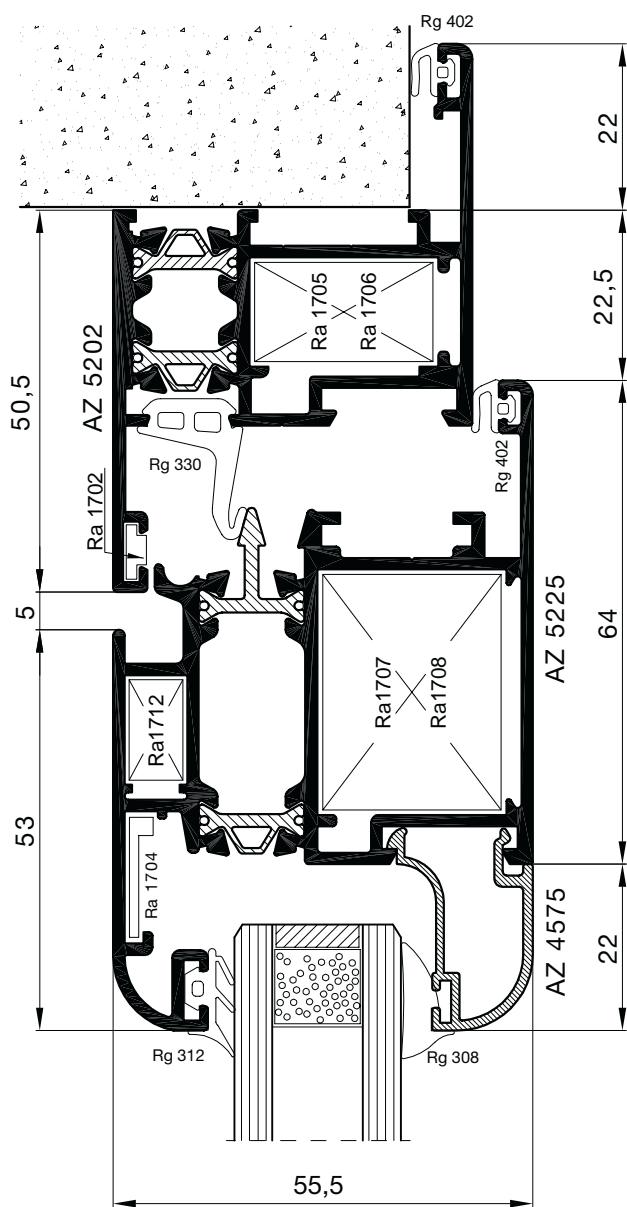
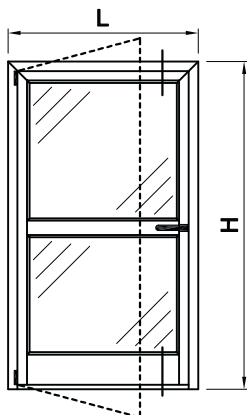
Finestra con laterale fisso



scala 1:1

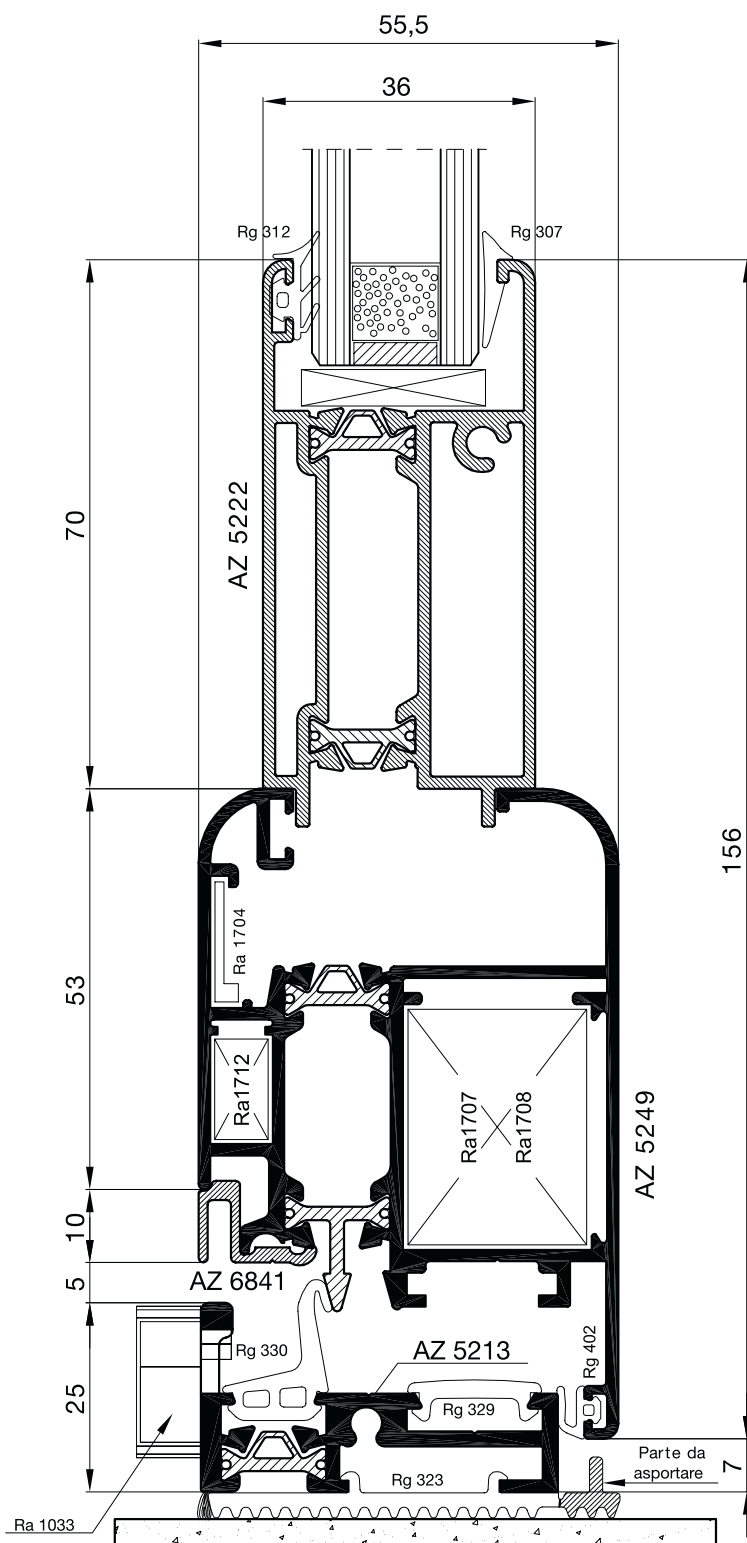
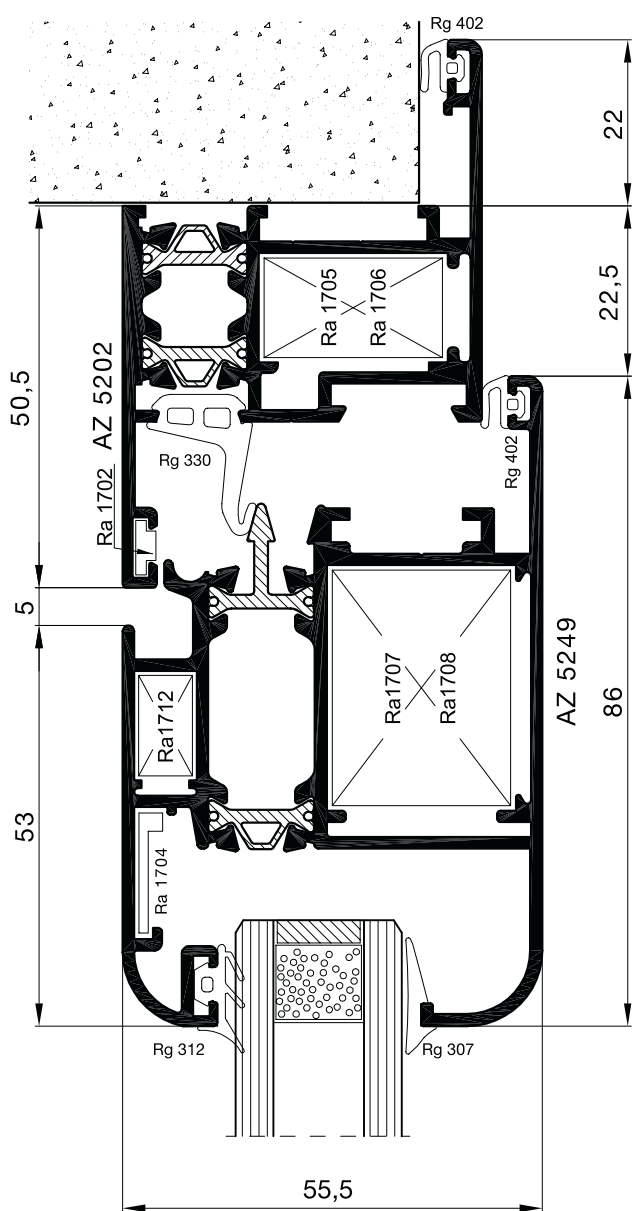
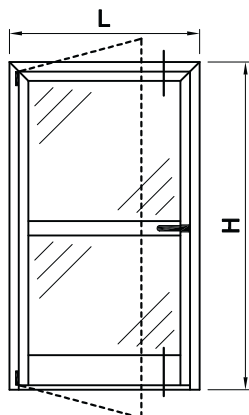


scala 1:1



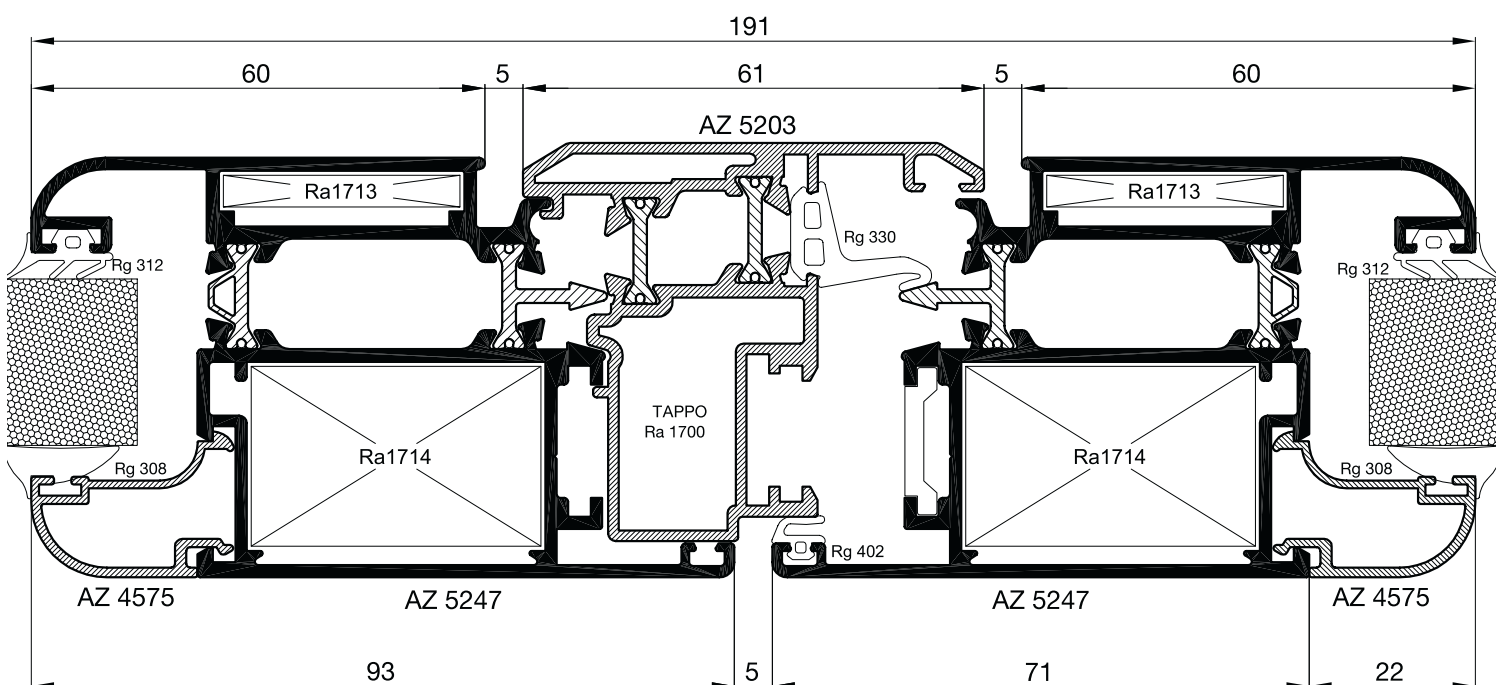
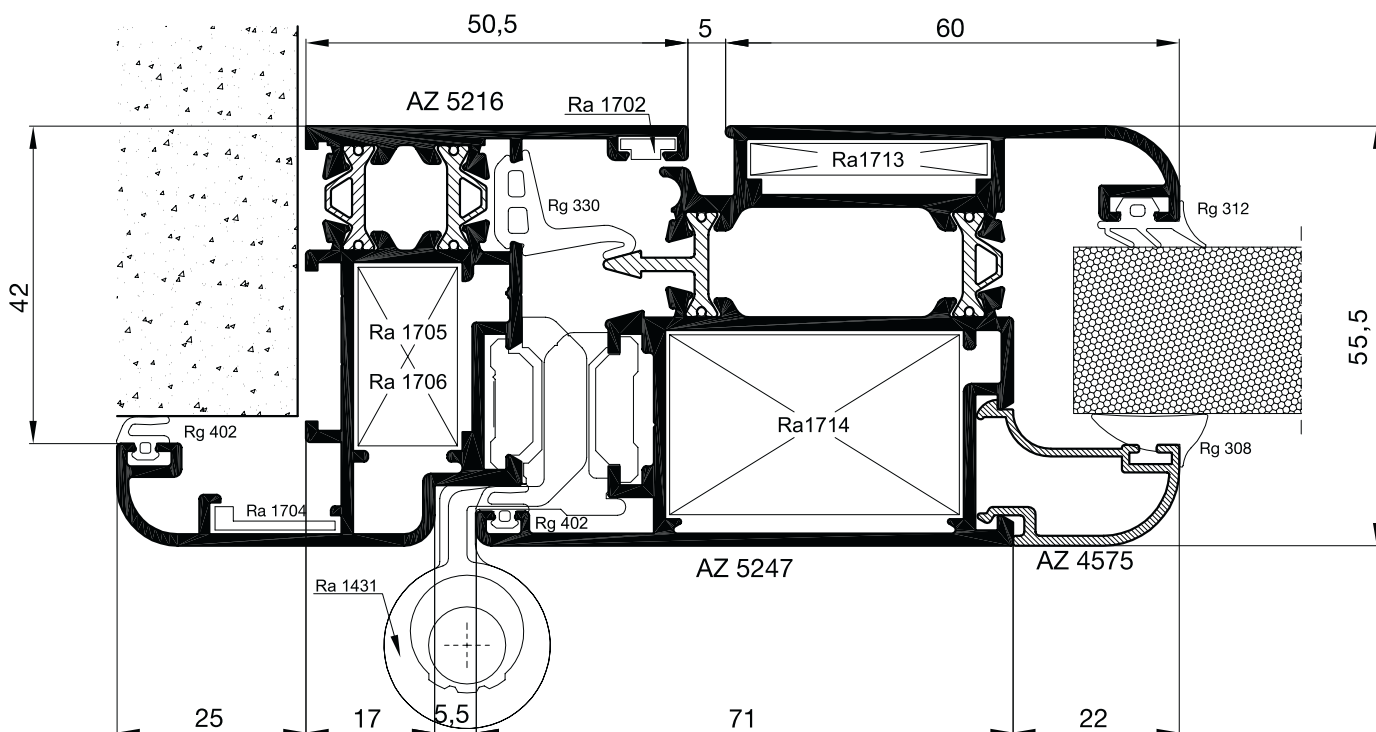
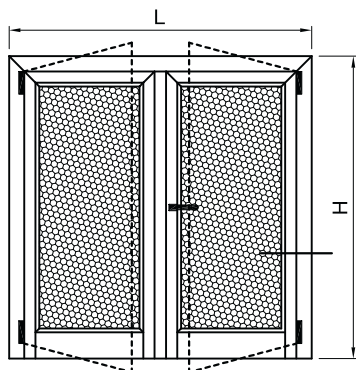


scala 1:1

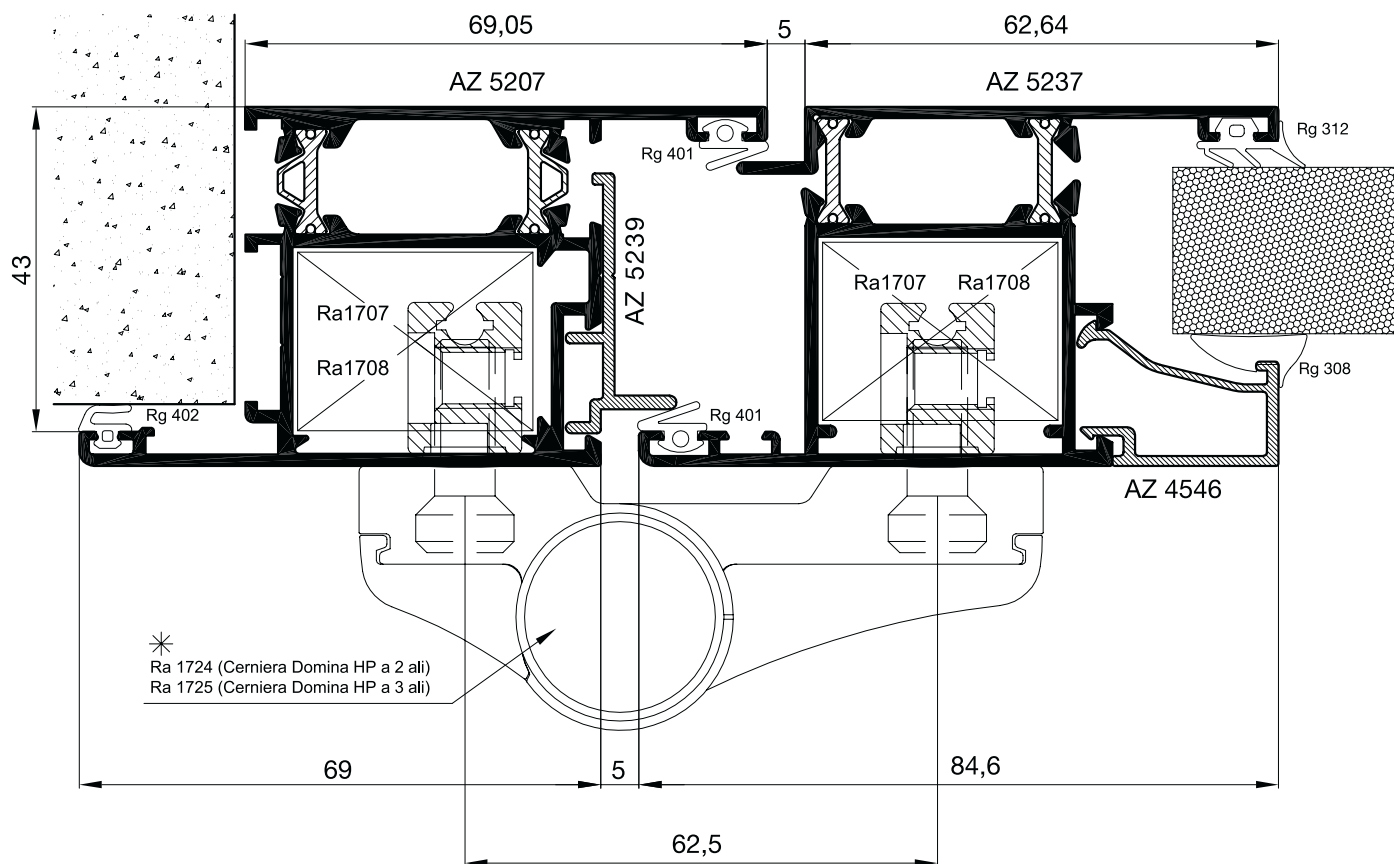
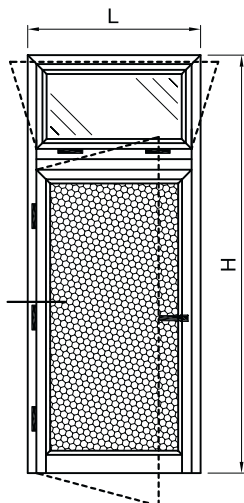


Portoncino a due ante a giunto aperto
- apertura interna -

scala 1:1

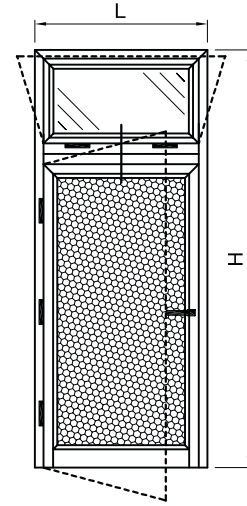
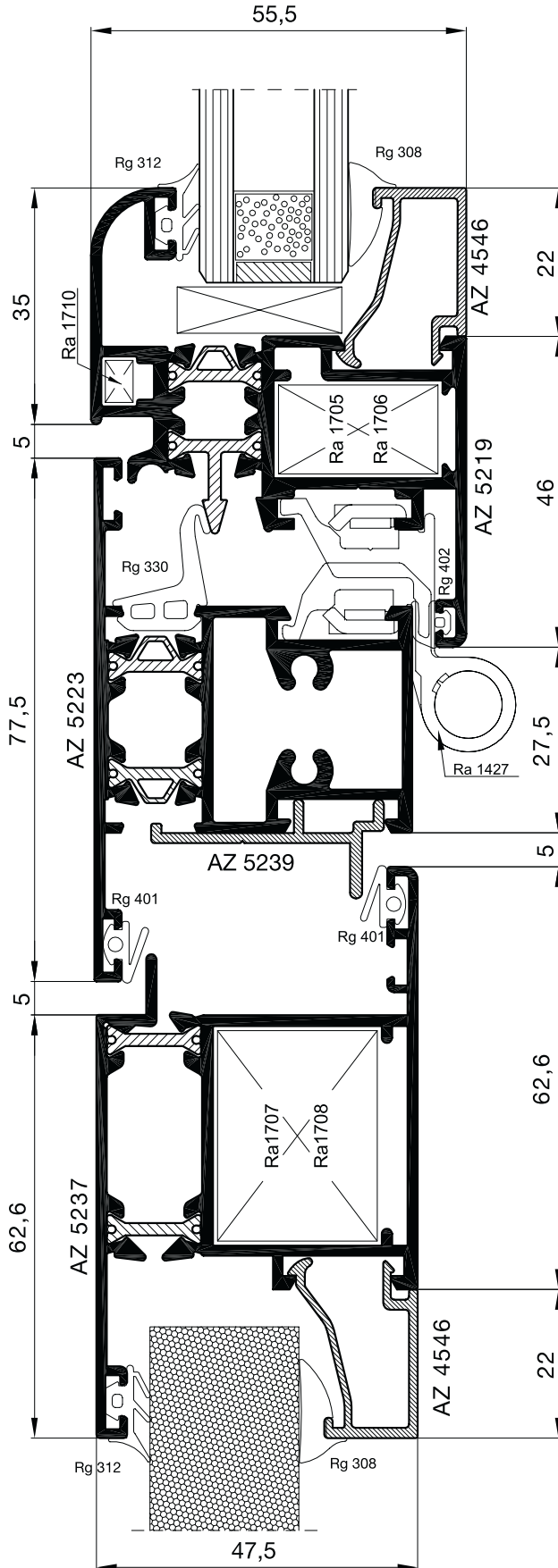


scala 1:1

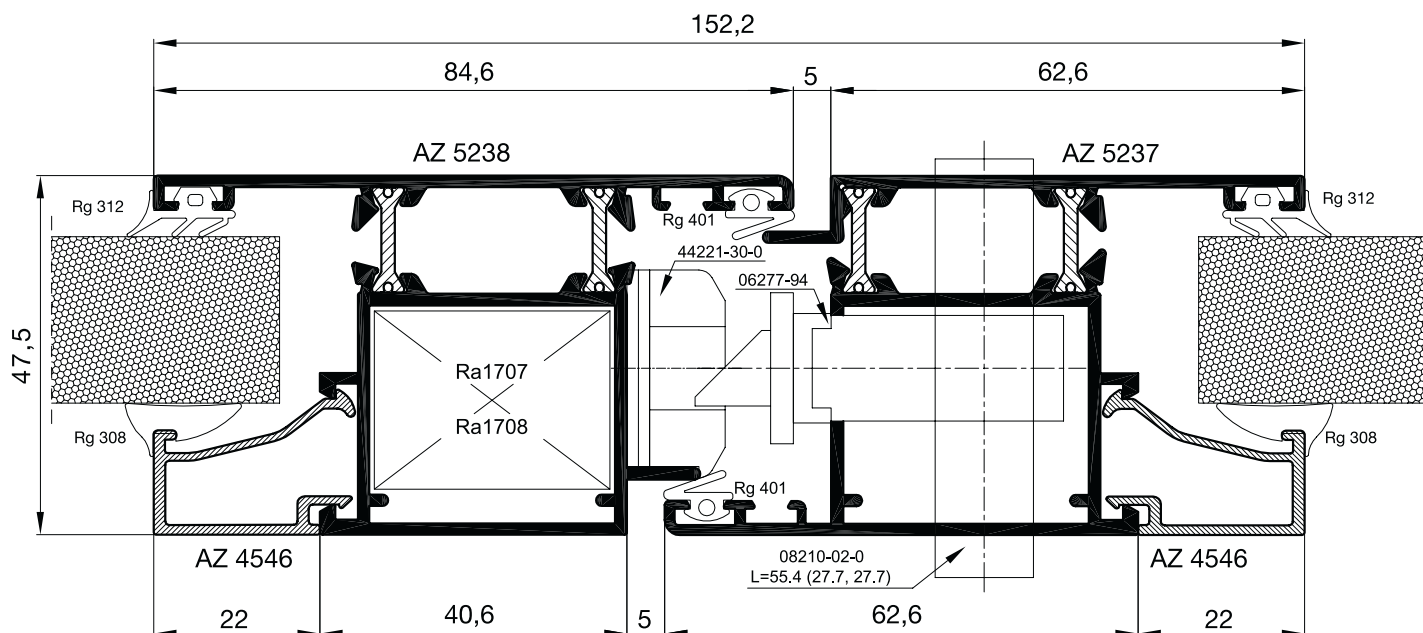
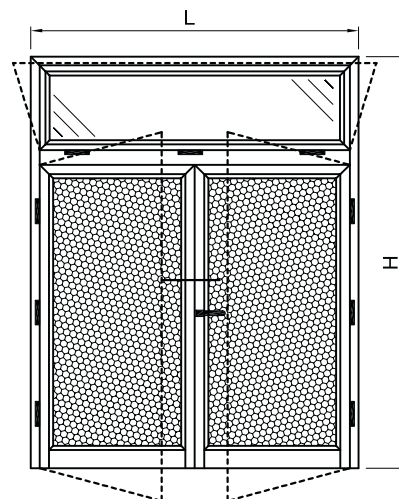


* Si applicano con dima Ra 1450

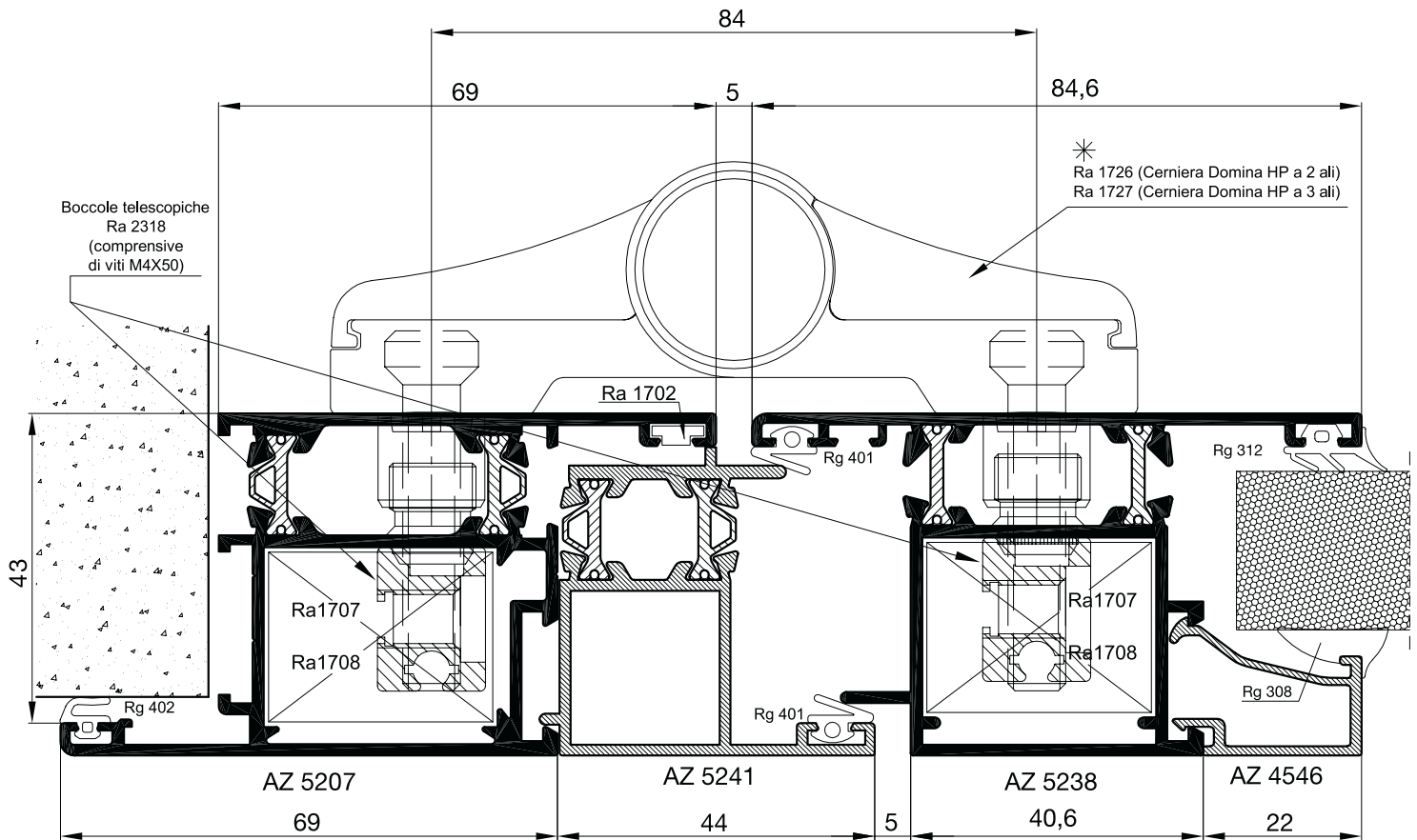
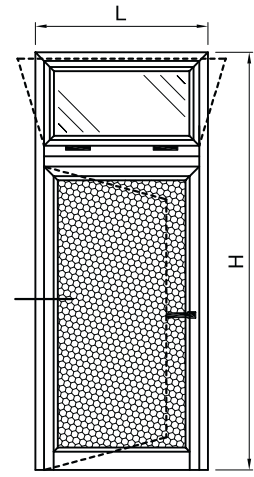
Portoncino a doppia battuta
- apertura interna con vasistas superiore -



scala 1:1

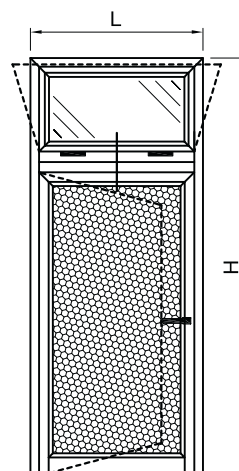
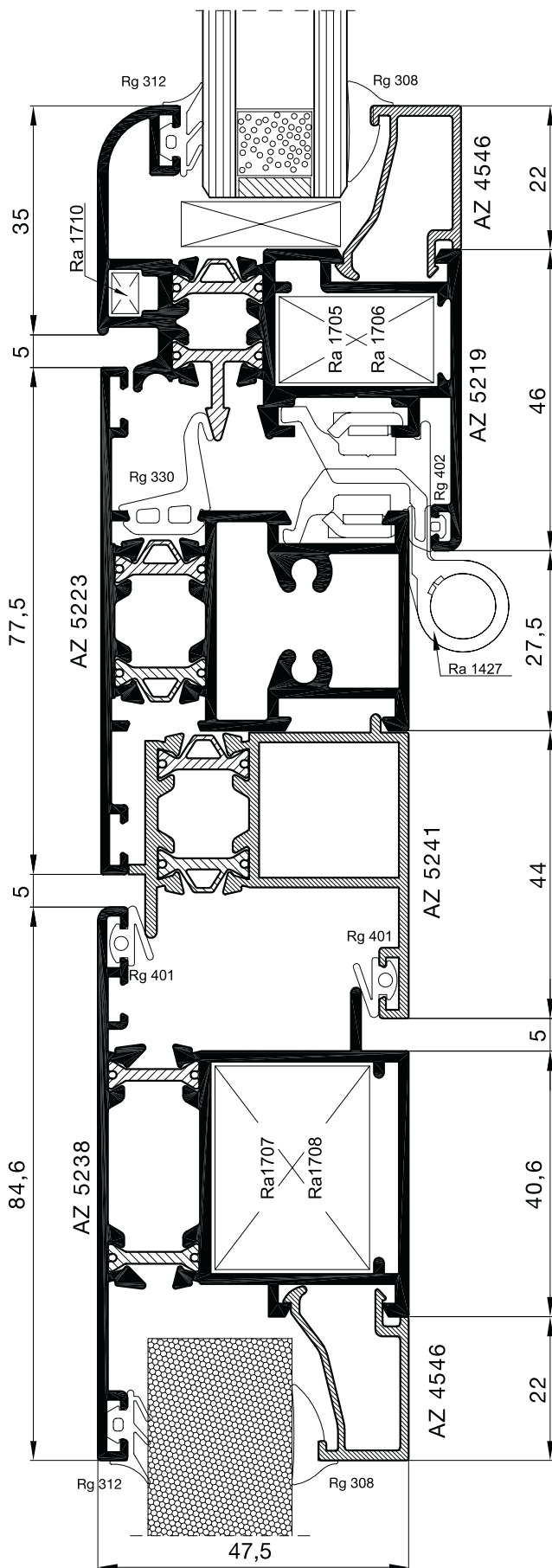


scala 1:1

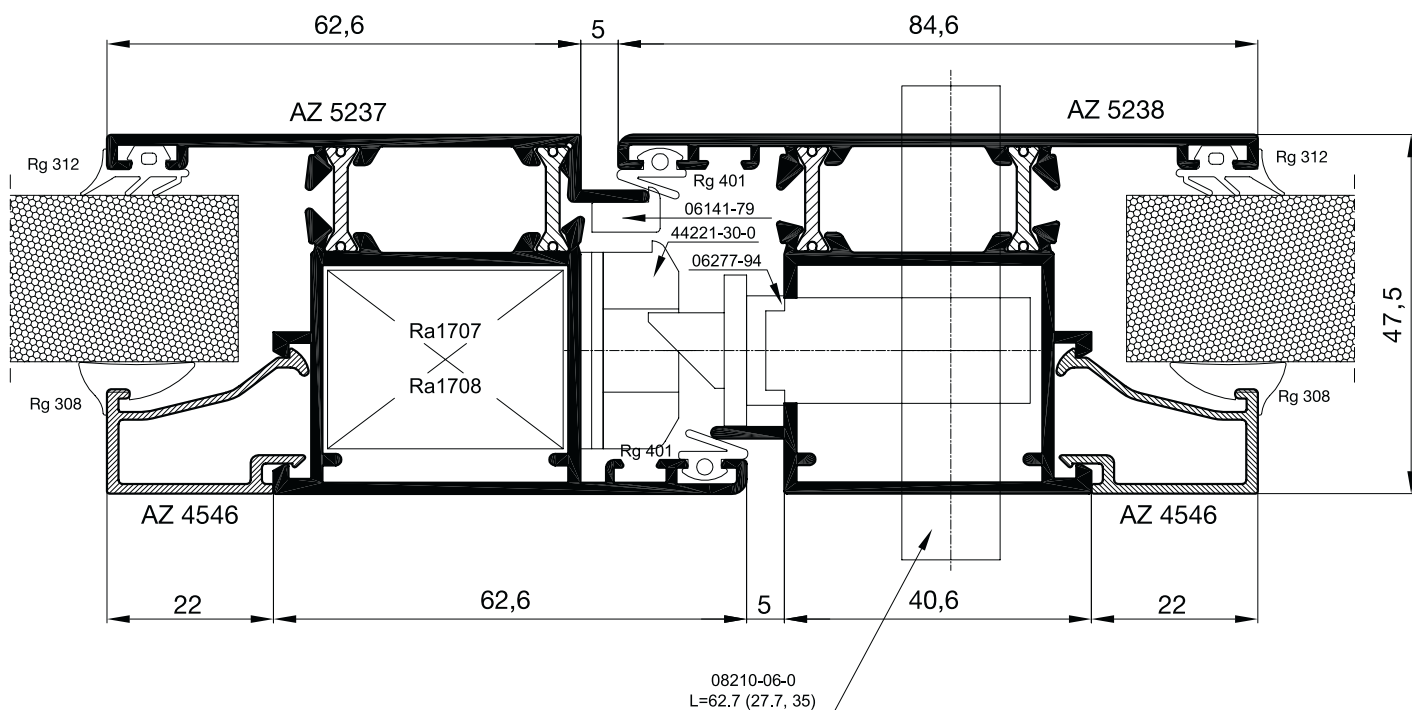
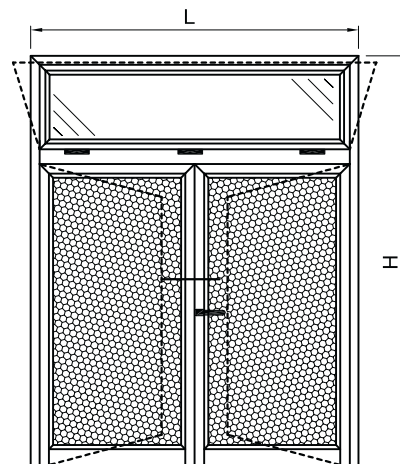


* Si applicano con dima Ra 1450

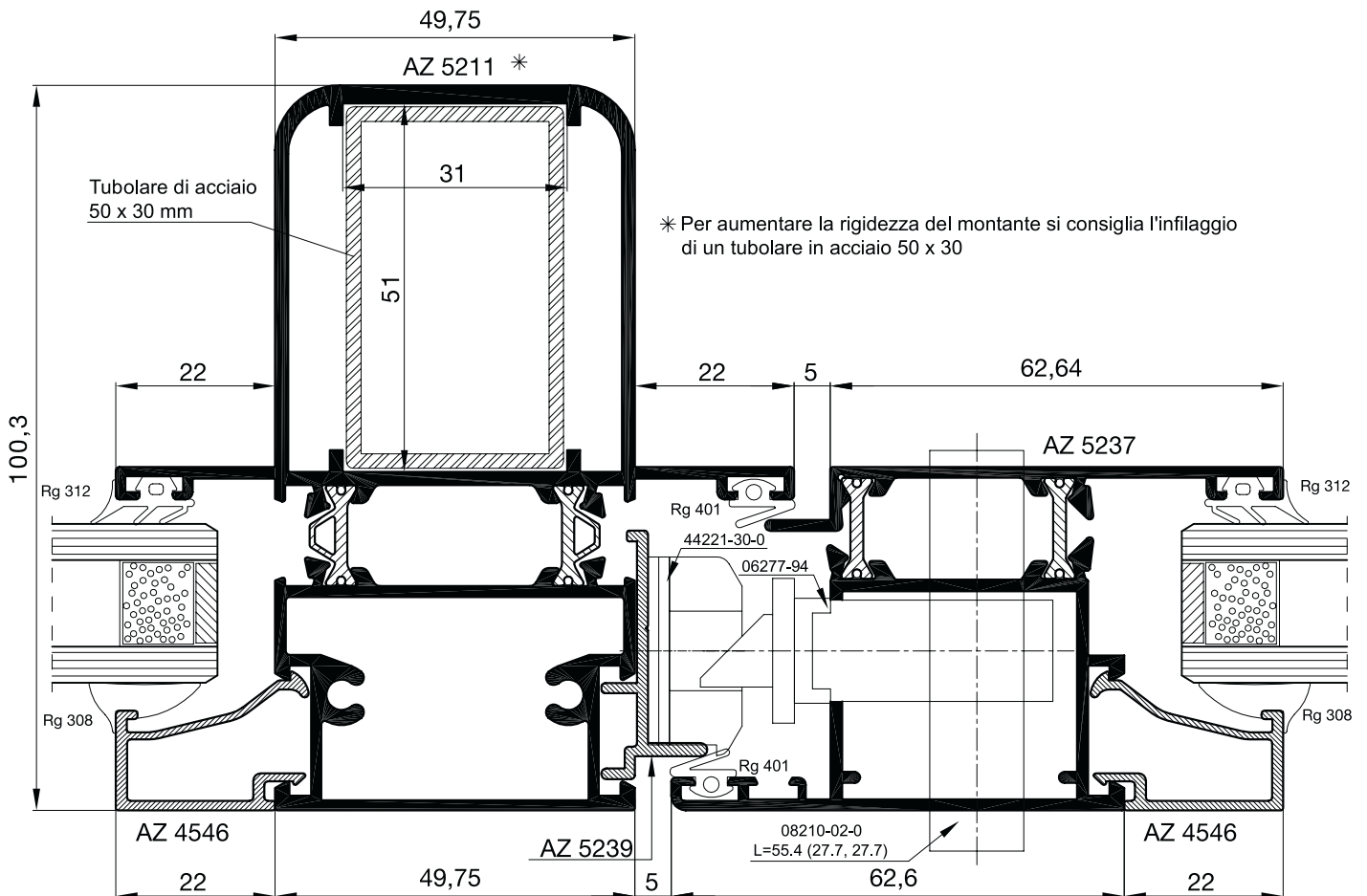
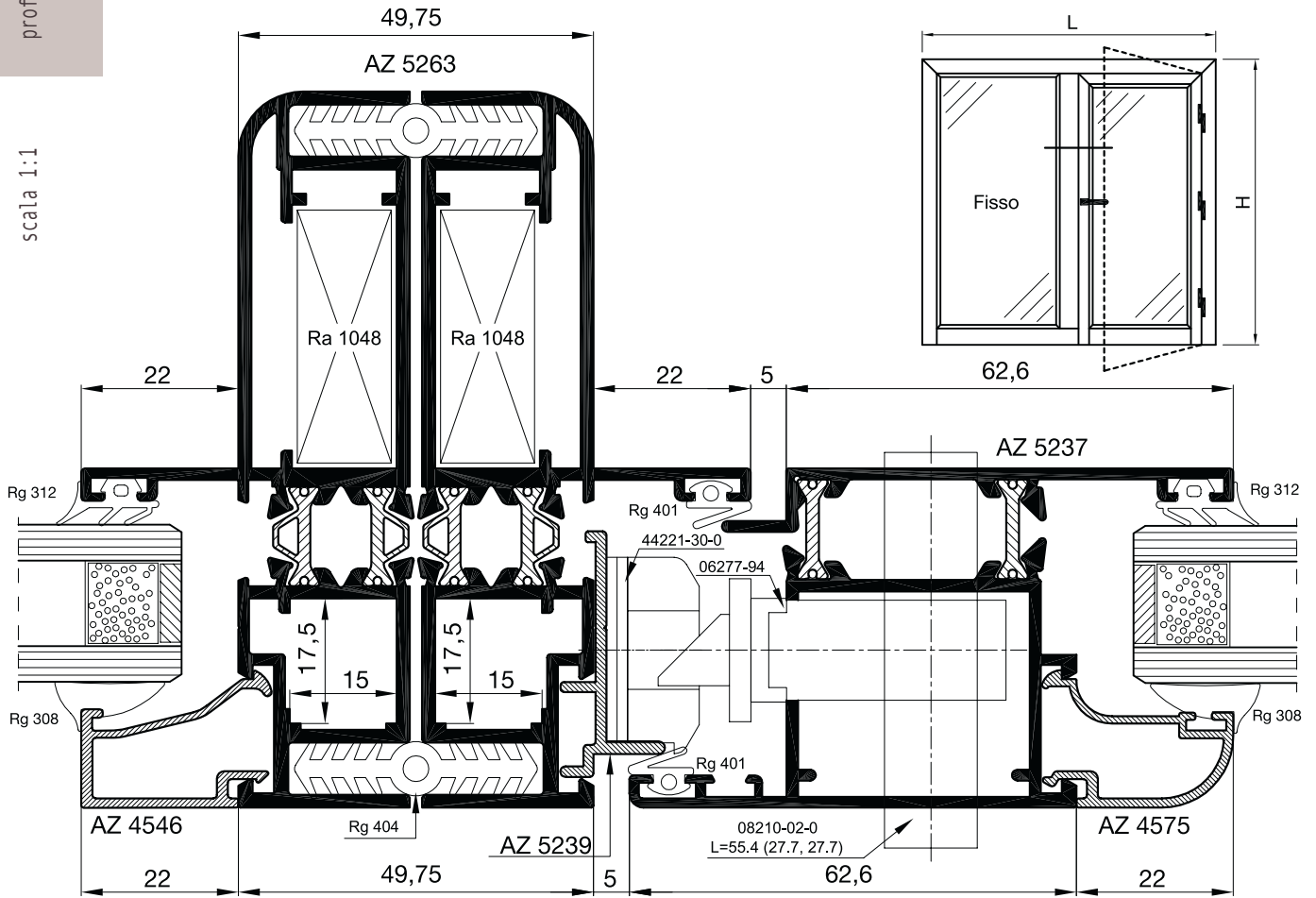
Portoncino a doppia battuta
- apertura esterna con vasistas superiore -



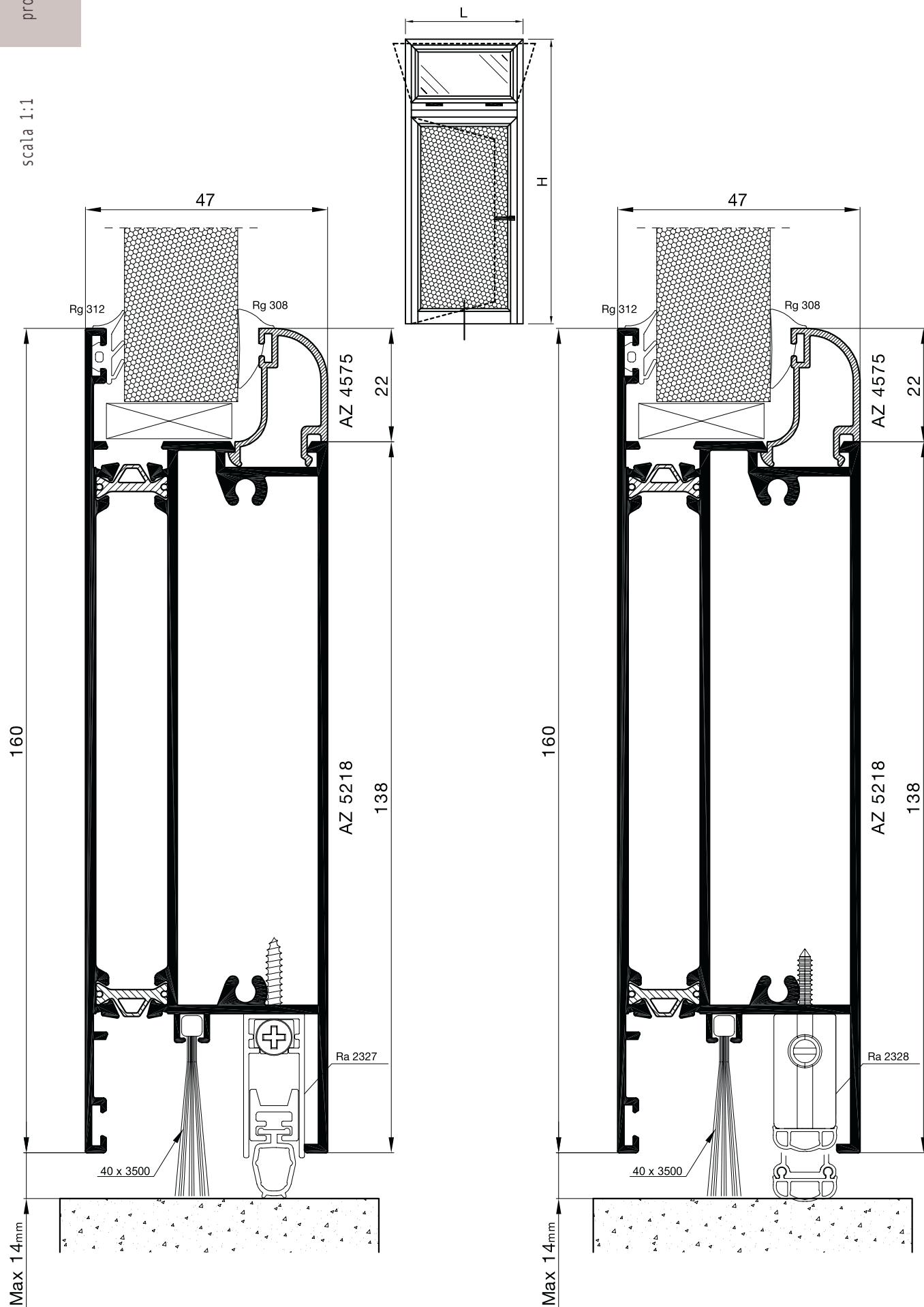
scala 1:1



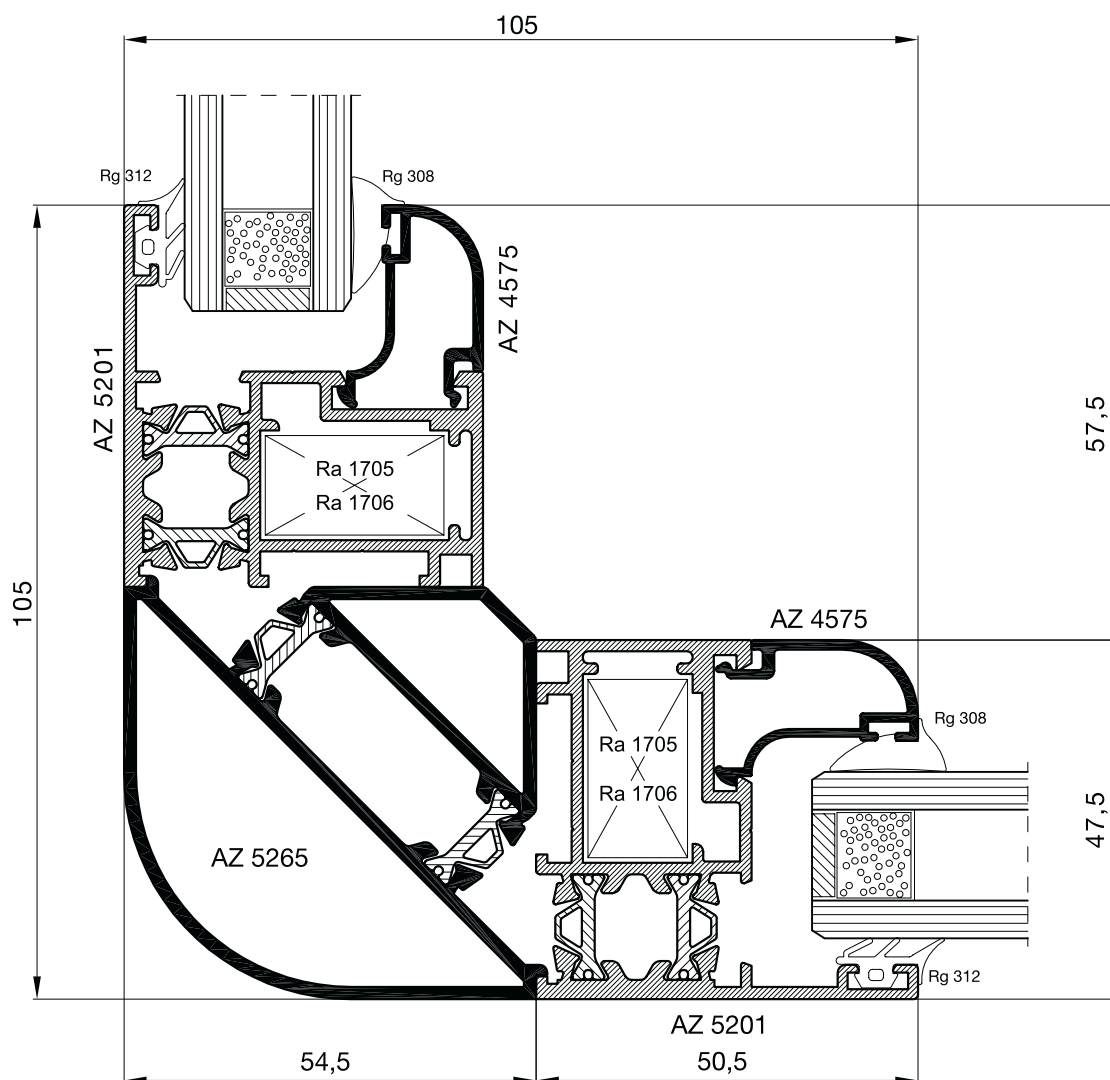
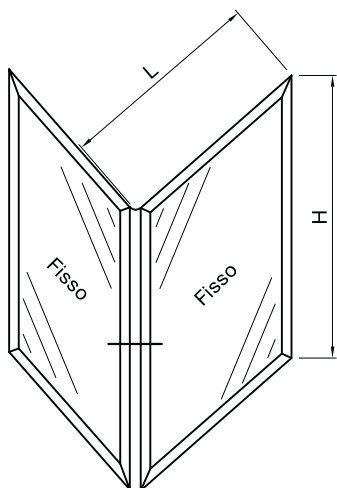
scala 1:1

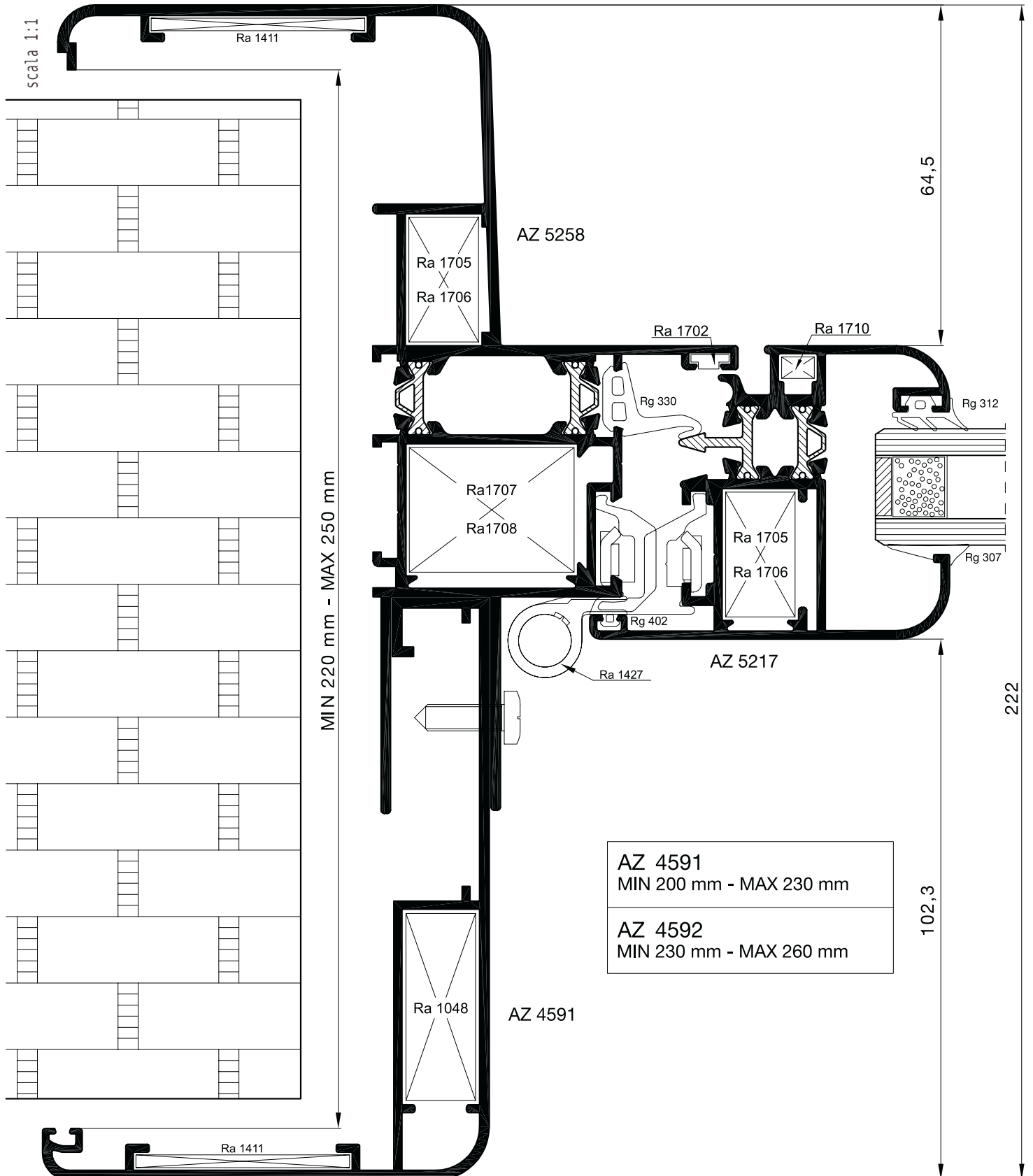


scala 1:1



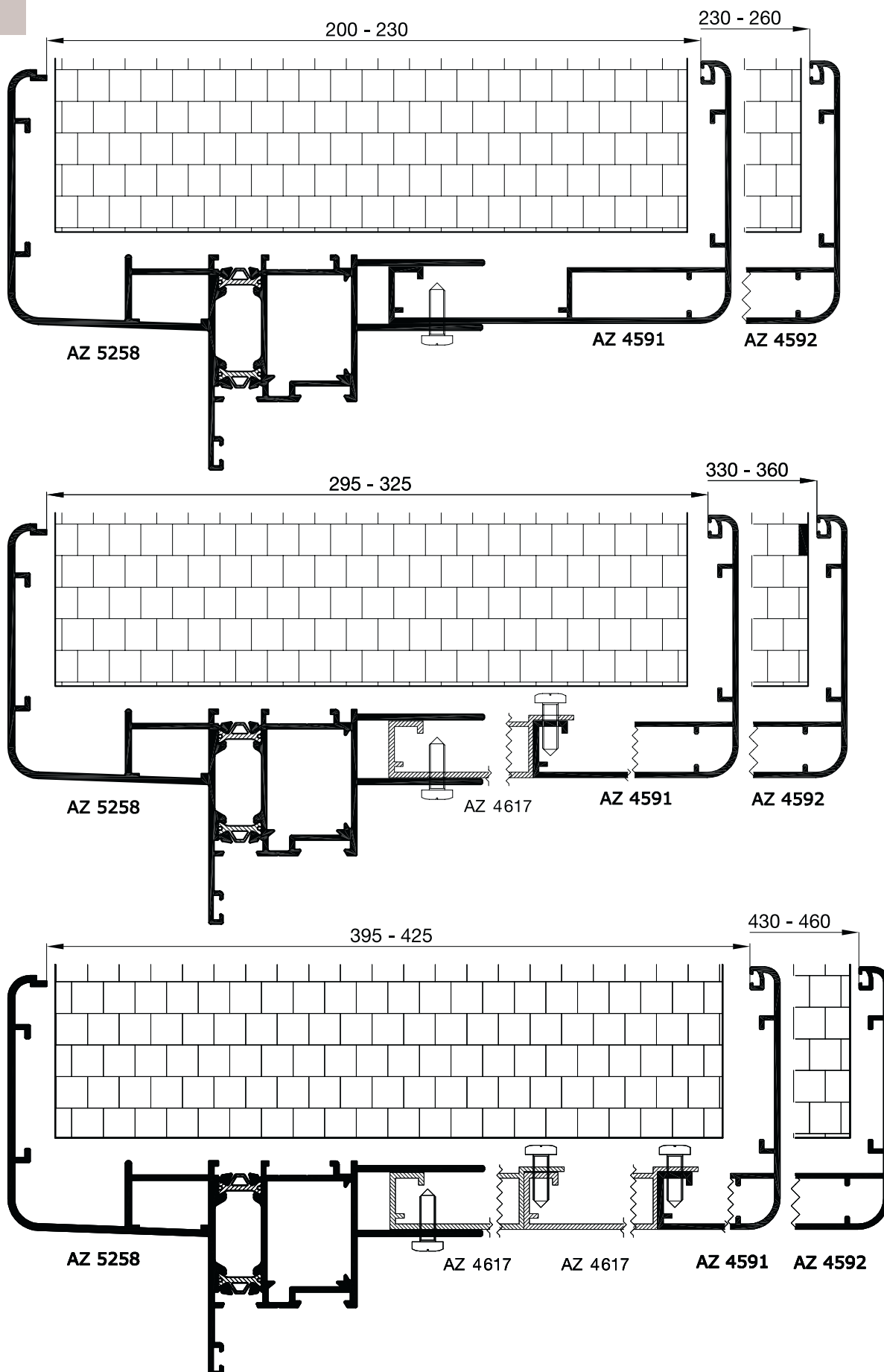
scala 1:1

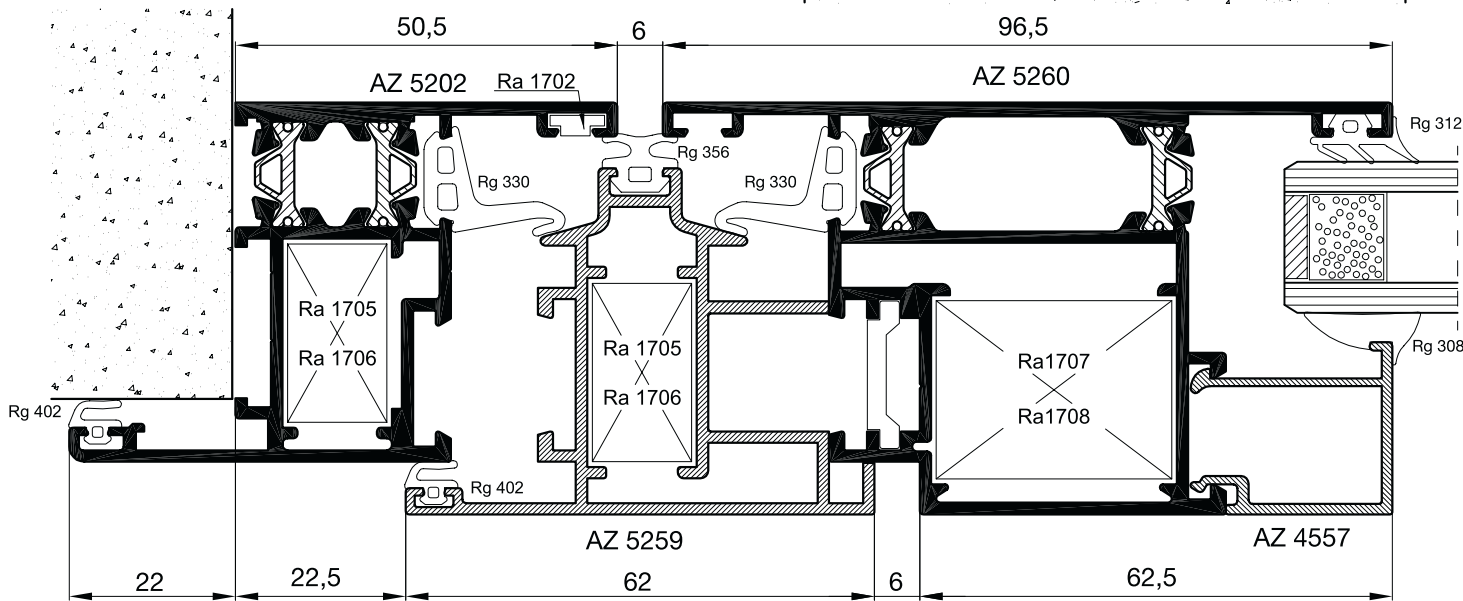
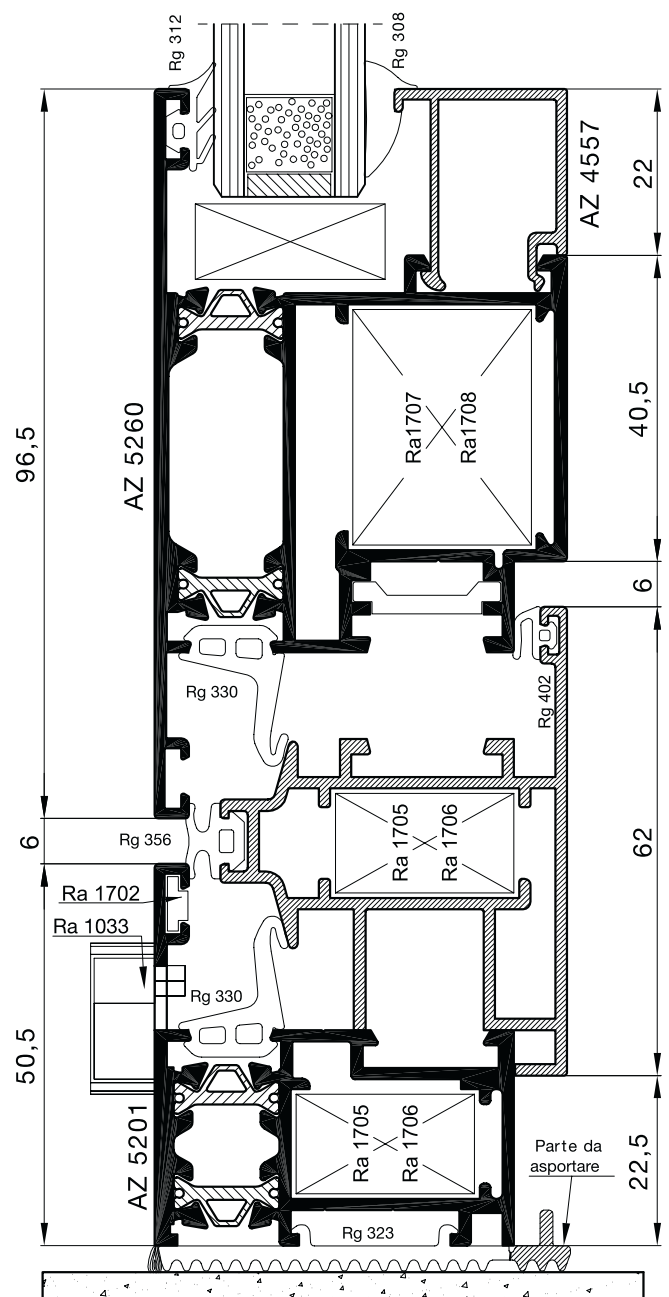
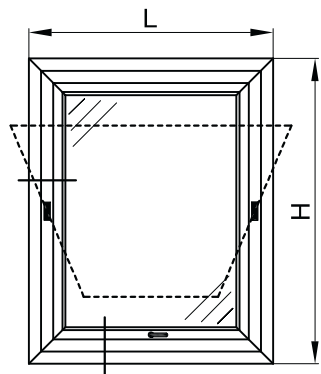




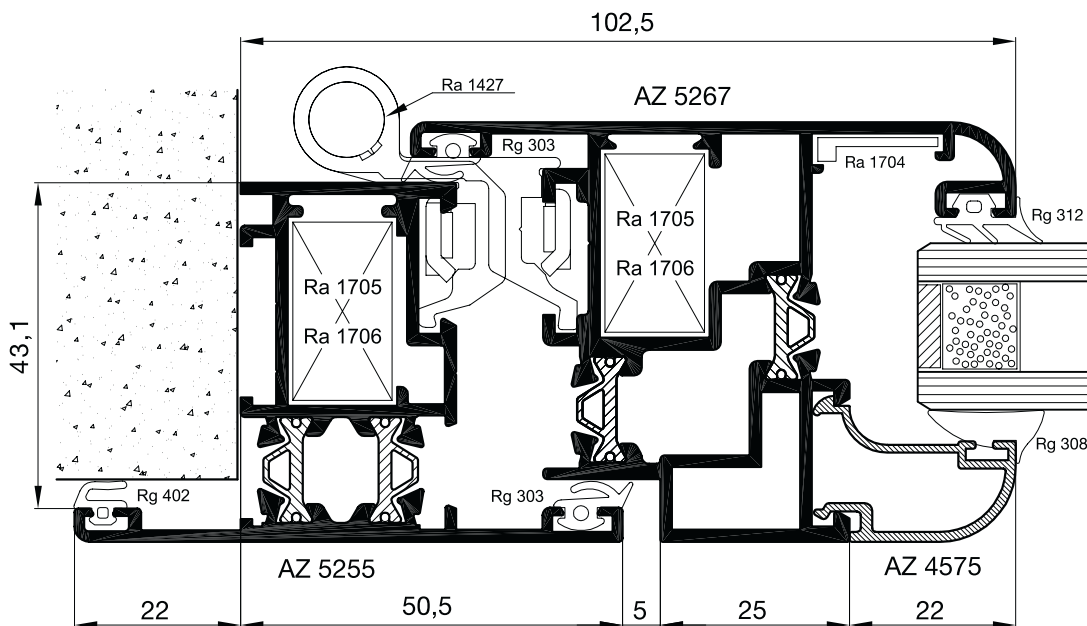
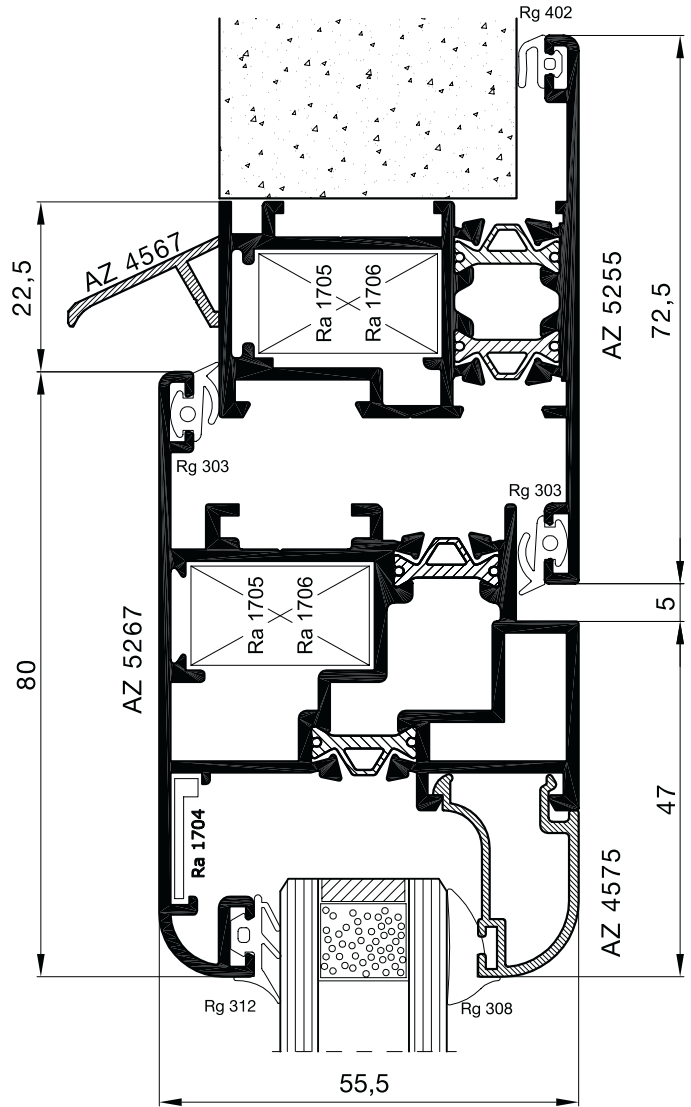
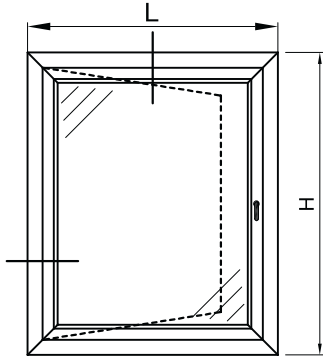


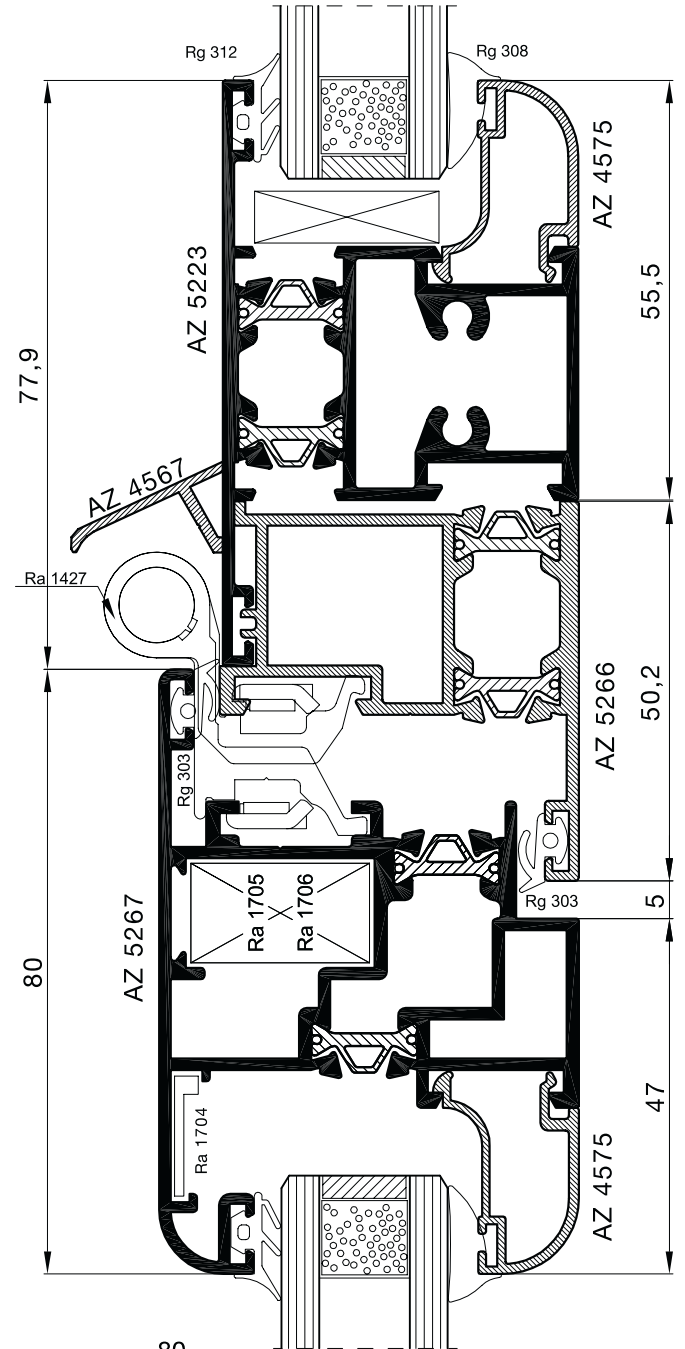
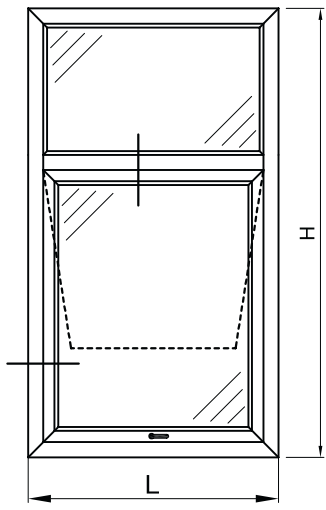
non in scala



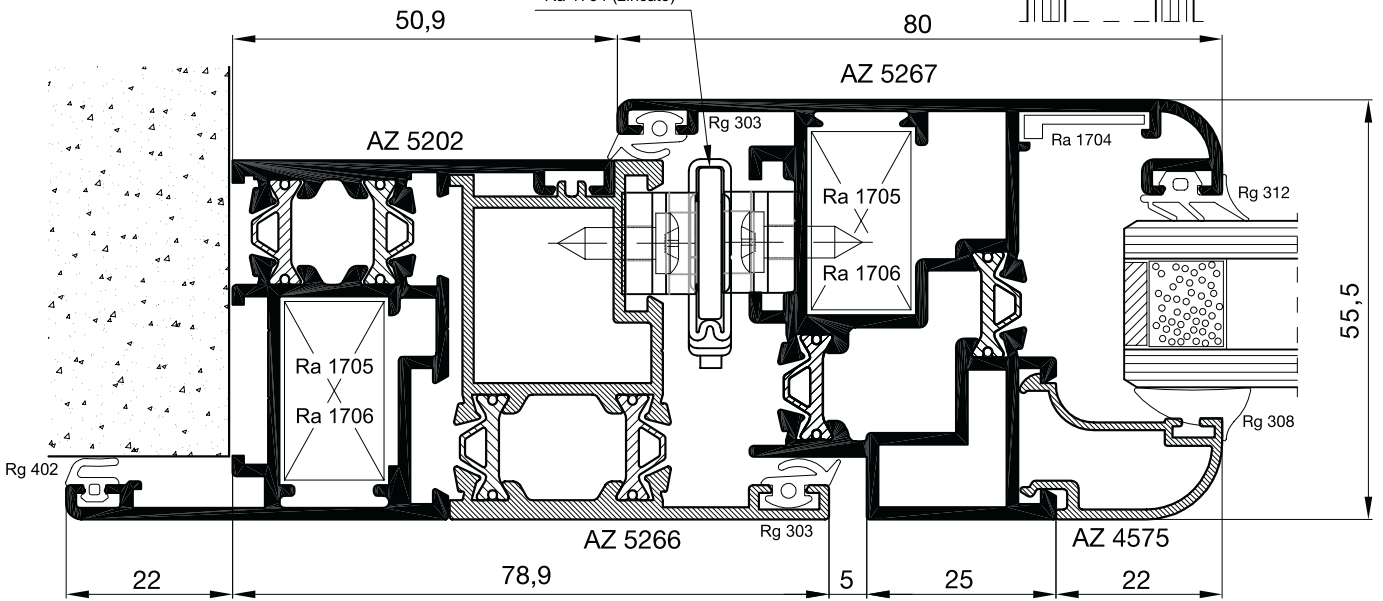


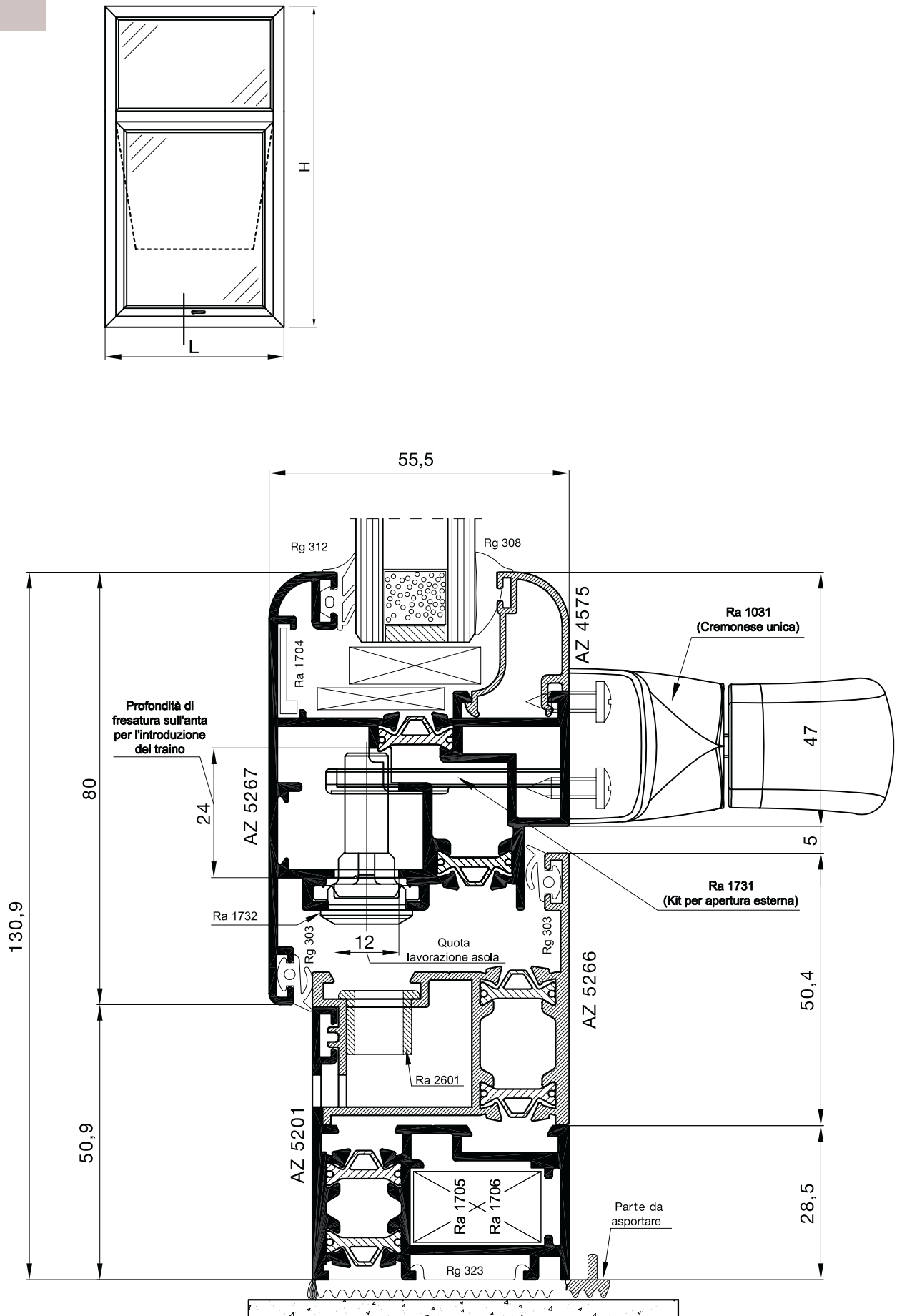
Finestra a un'anta
- apertura esterna -

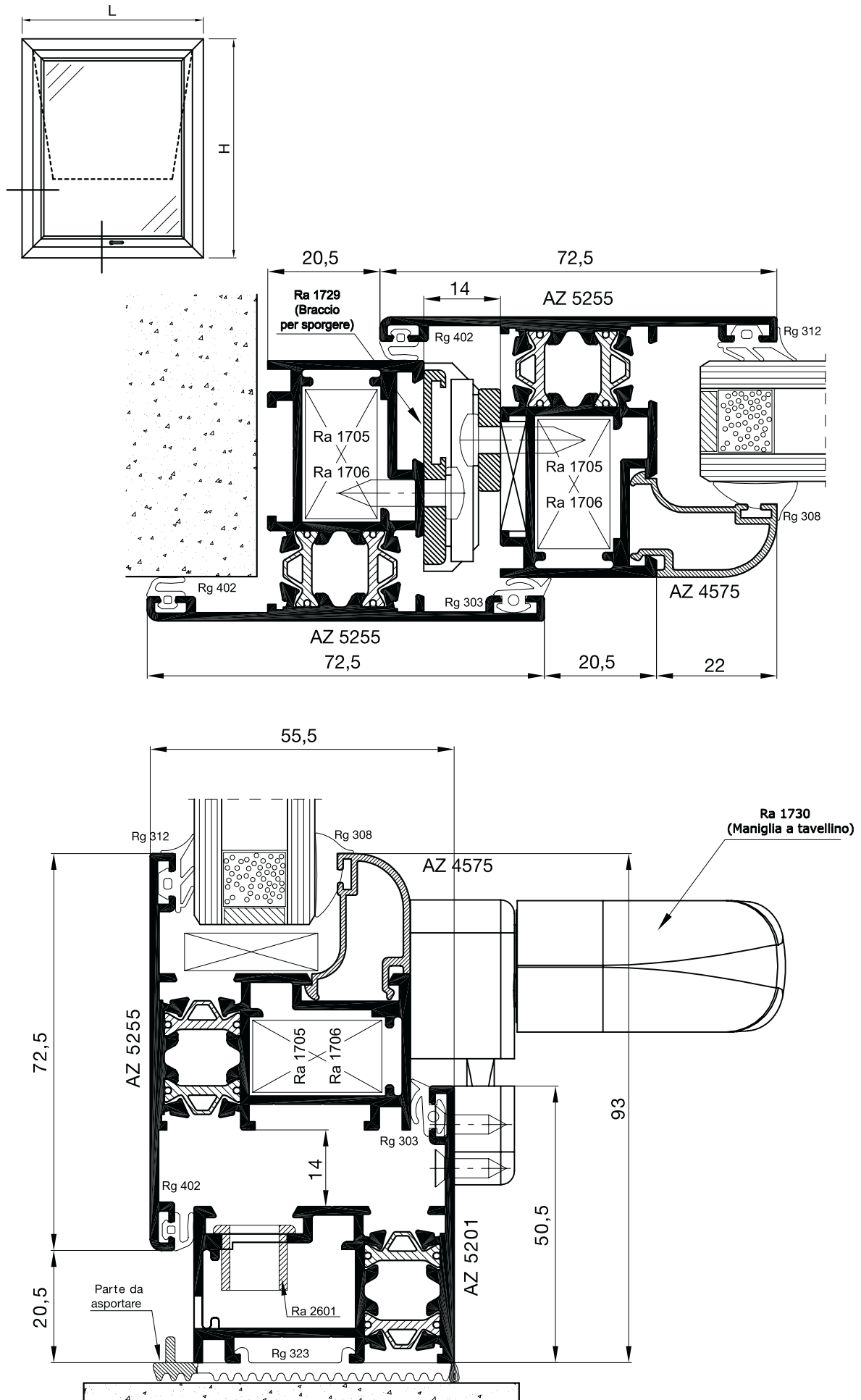




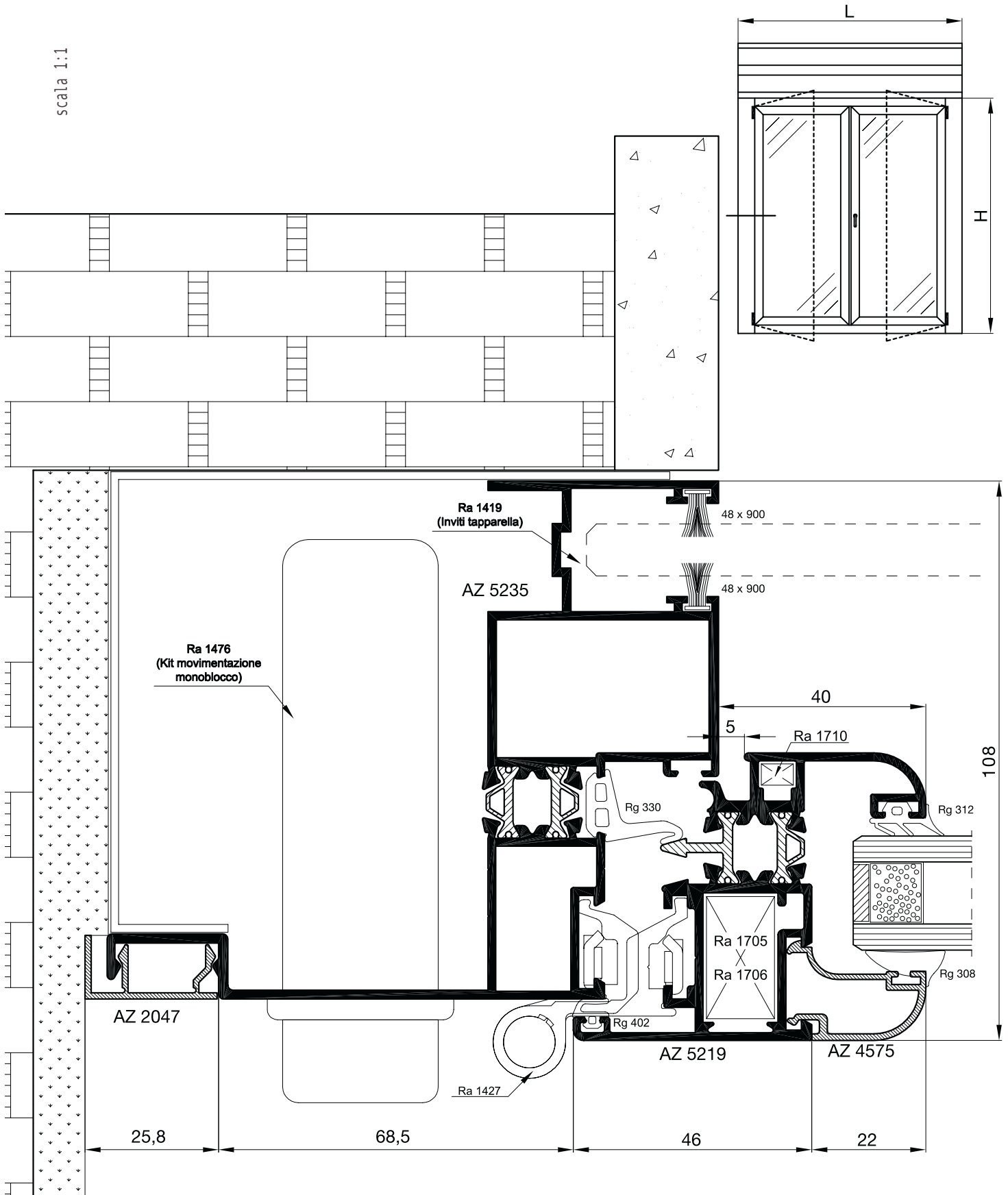
BRACCIO LASER
Ra 1733 (inox)
Ra 1734 (zincato)

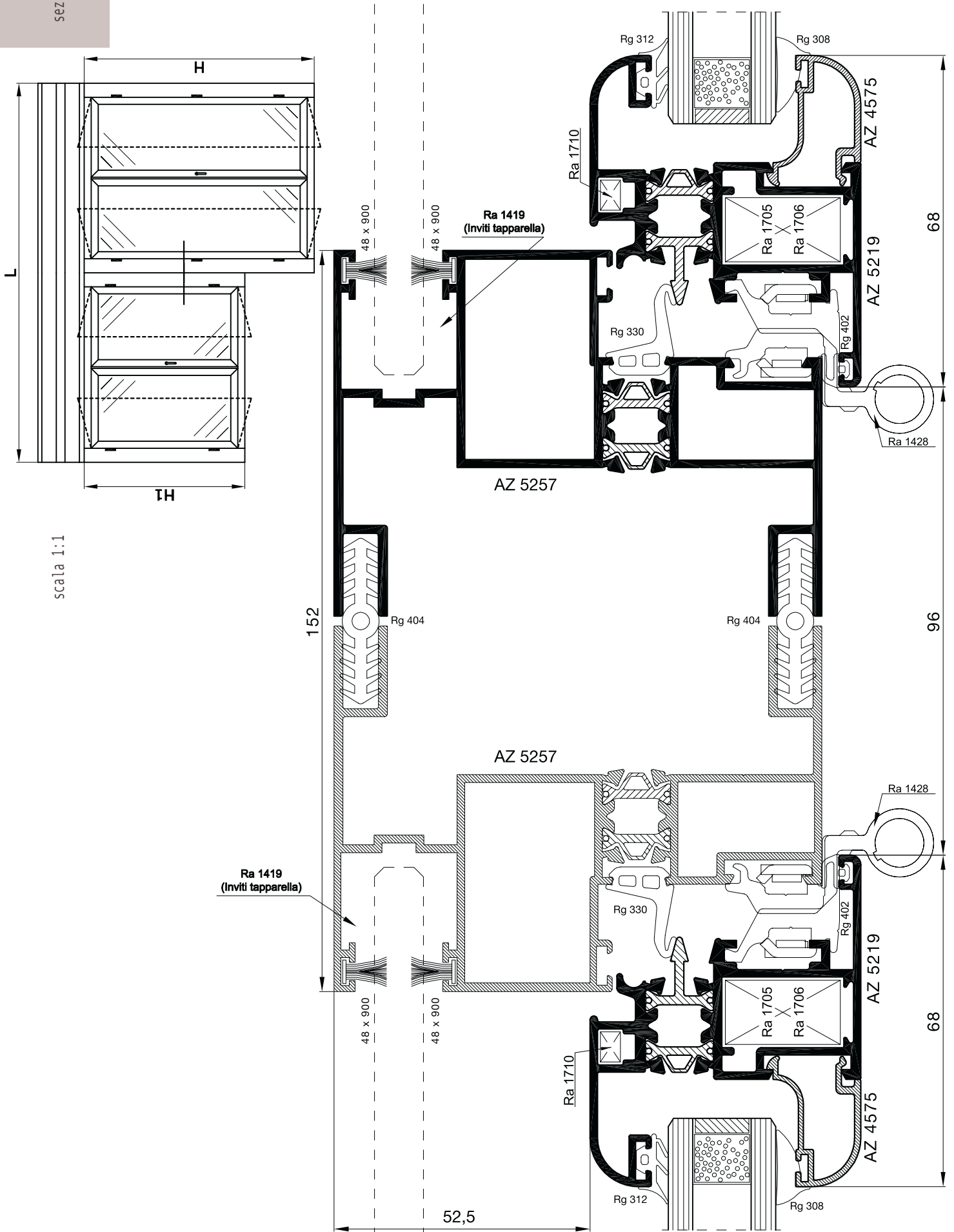






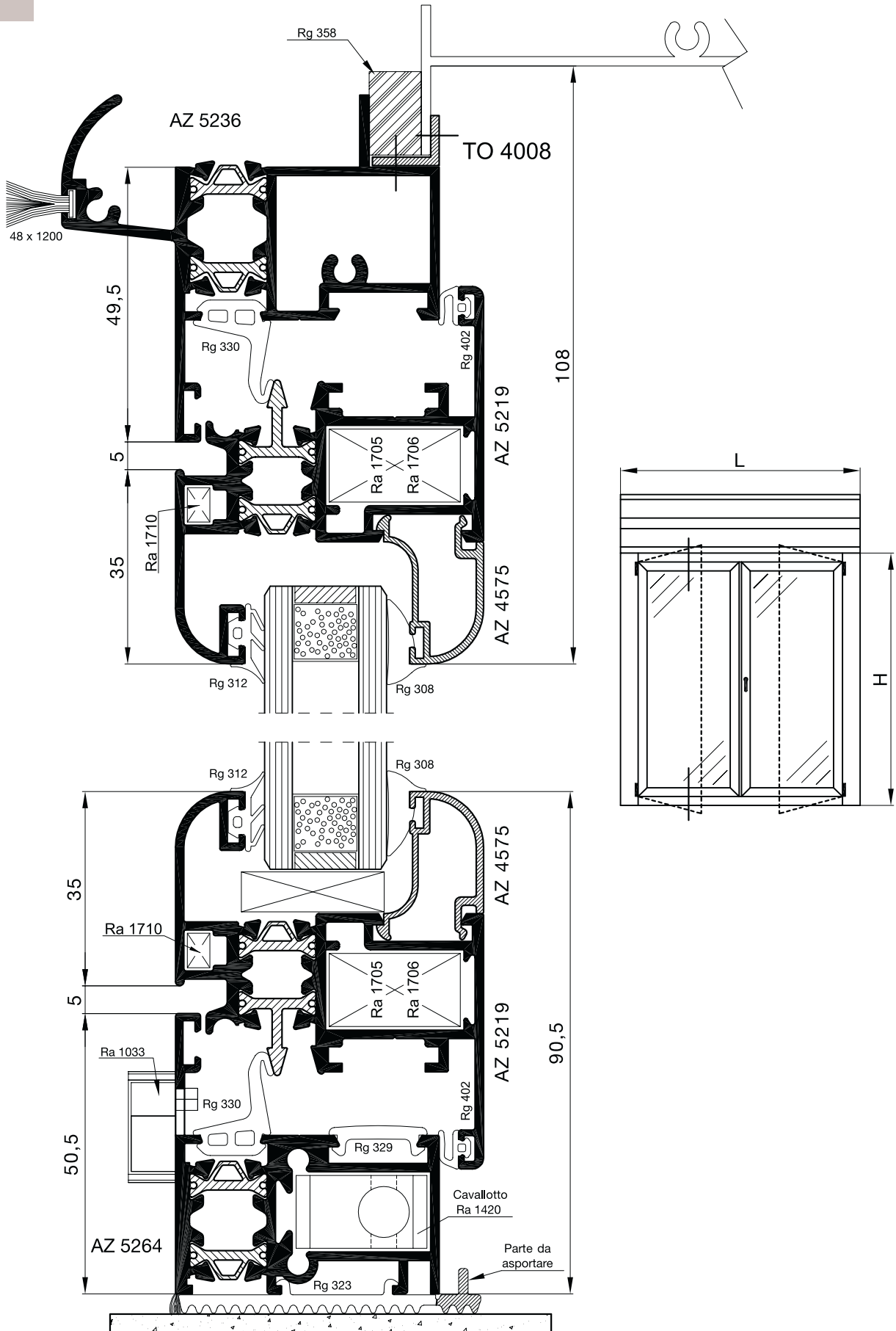
scala 1:1

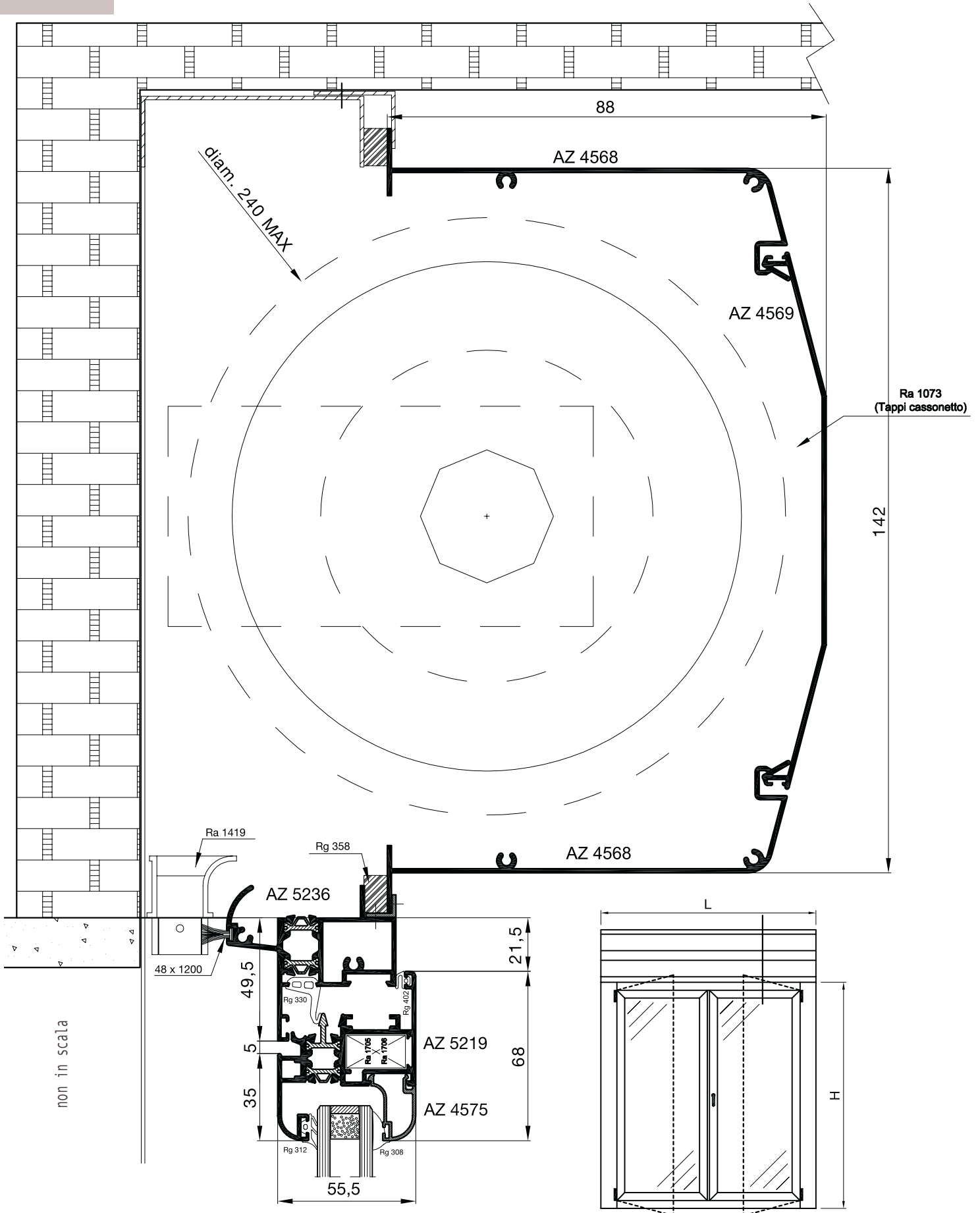




scala 1:1

scala 1:1





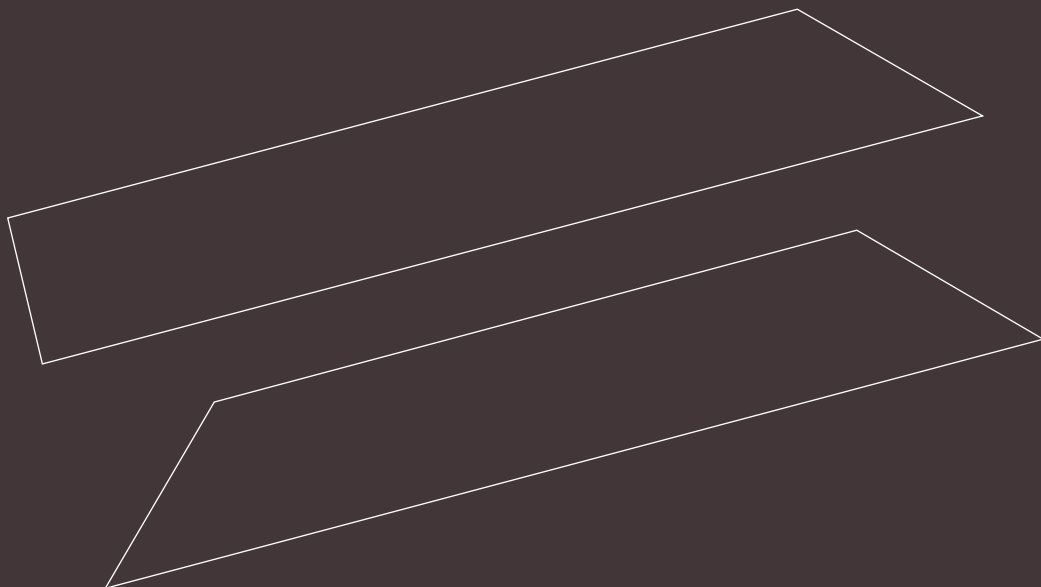
NOTE



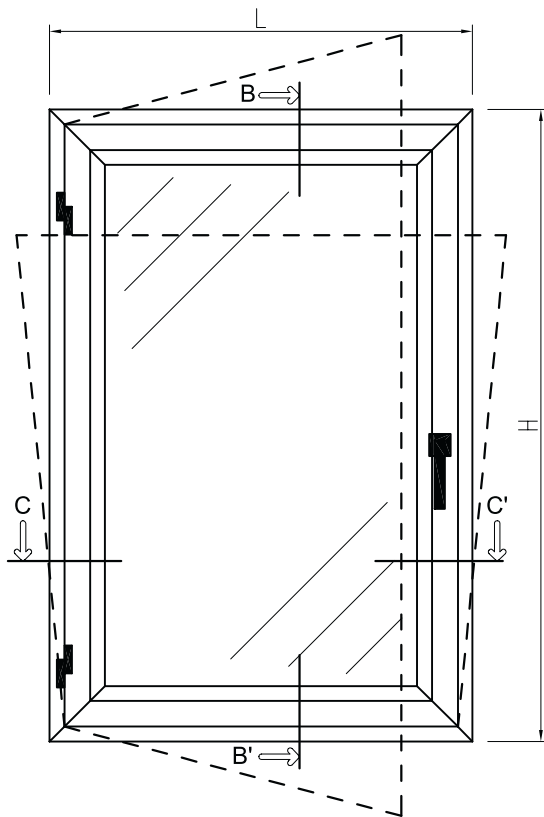
Multiple horizontal lines for taking notes.

distinte di taglio cutting sizes

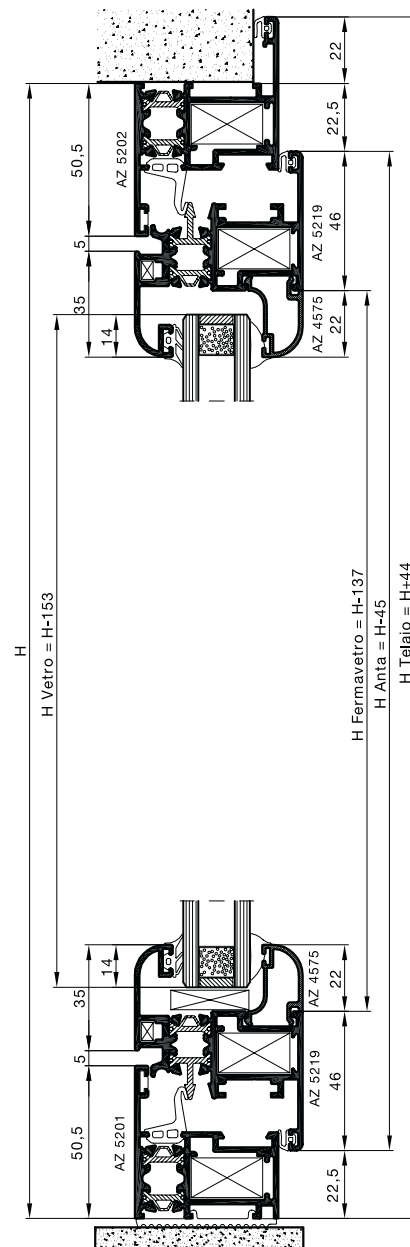
atlantis
serie 55TT



TO.MA. S.p.a.
ESTRUSIONE ALLUMINIO

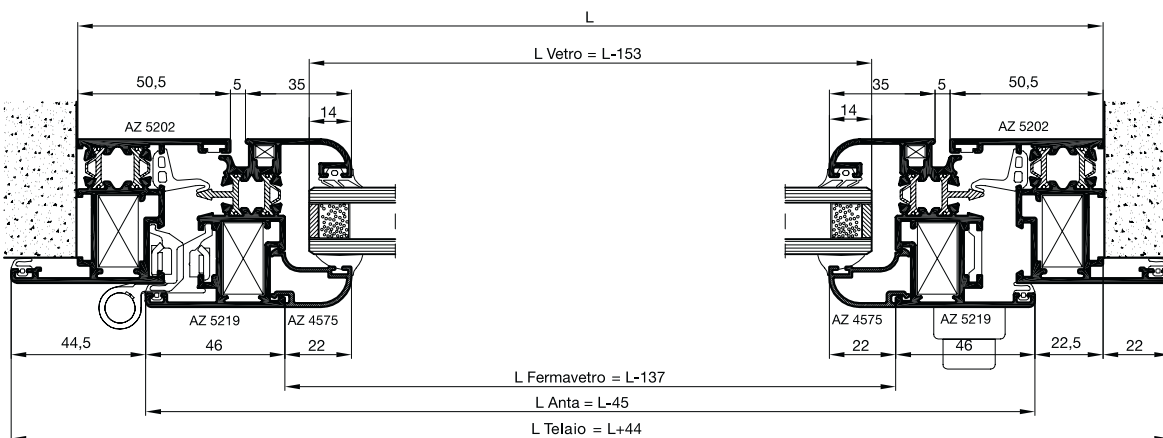


Sezione B-B'



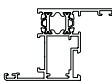
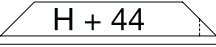
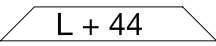


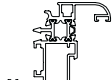
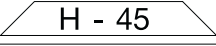
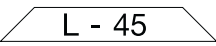

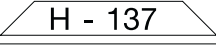
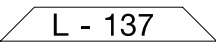

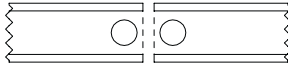
CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml $5,6 \times L$	
Profili Vert.	Kg/ml $5,7 \times H$	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L - 153	H - 153	1



Sezione C-C'

DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5202		TELAIO Z	 H + 44	2
			 L + 44	1
AZ 5201		TELAIO L	 L	1
AZ 5219		ANTA	 H - 45	2
			 L - 45	2
AZ 4575		FERMAVETRO	 H - 137	2
			 L - 137	2
AZ 2035		ASTINA DI COMANDO		1

GUARNIZIONI

	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 2H
	Rg 312	G. ESTERNA VETRO	2L + 2H
	Rg 330	G. CENTRALE DI TENUTA	2L + 2H
	Rg 402	G. BATTUTA INTERNA E A MURO	3L + 4H
	Ra 1703	ANGOLO VULCANIZZATO	4
	Rg 323	G. ISOLAMENTO SOGLIA	1L

ACCESSORI

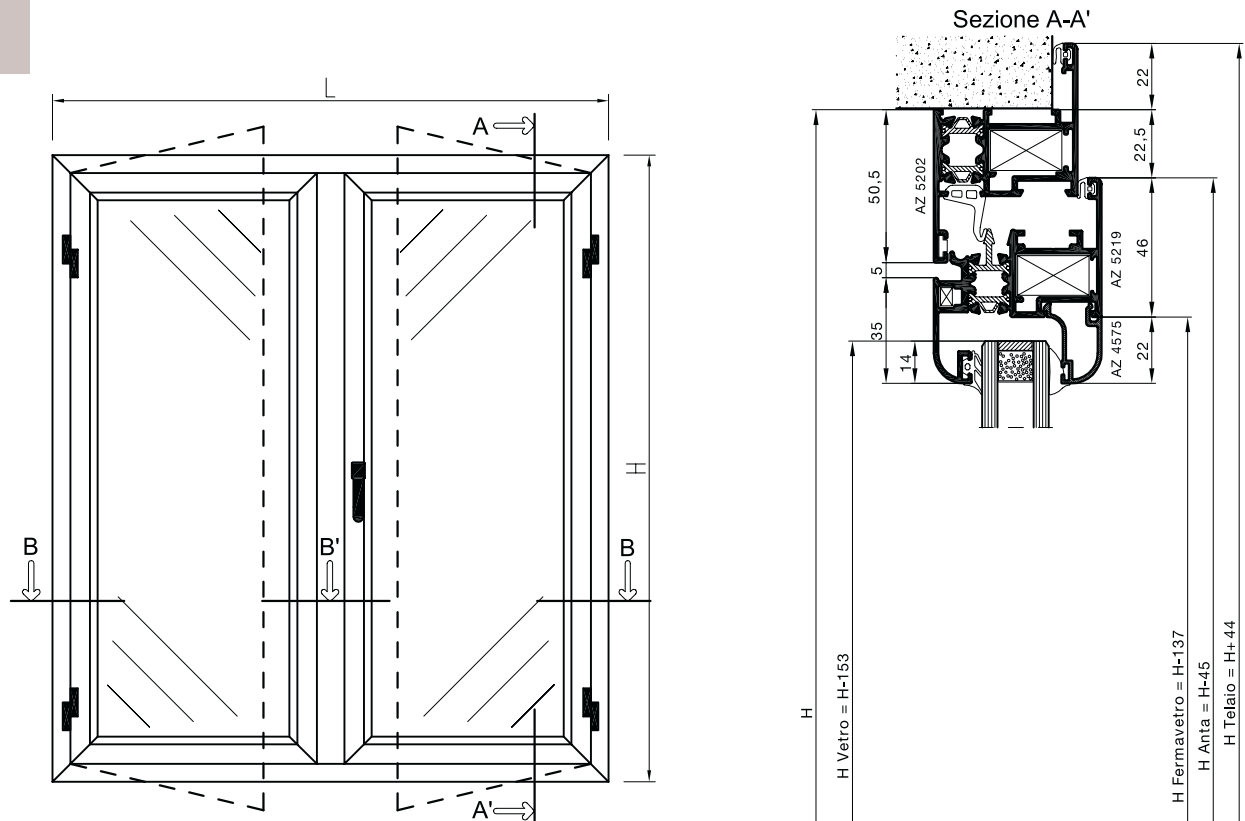
ART.	DESCRIZIONE	N° P.zzi
Ra 1702	SQUADRETTA DI ALLINEAMENTO TELAIO	4
Ra 1705 Ra 1706	SQUADRETTA	8
Ra 1710	SQUADRETTA ANTA ESTERNA	4
Ra 1404	REGOLATORE A MURO	8
Ra 1033	CAPPETTA DI DRENAGGIO	2

ACCESSORI ANTA RIBALTA

ART.	DESCRIZIONE	N° P.zzi
Ra 1458	MECC. BASE AR FUTURA	1
Ra 1057	CREMONESE PRIMA AR	1
Ra 1459	BRACCIO TIPO 1	1

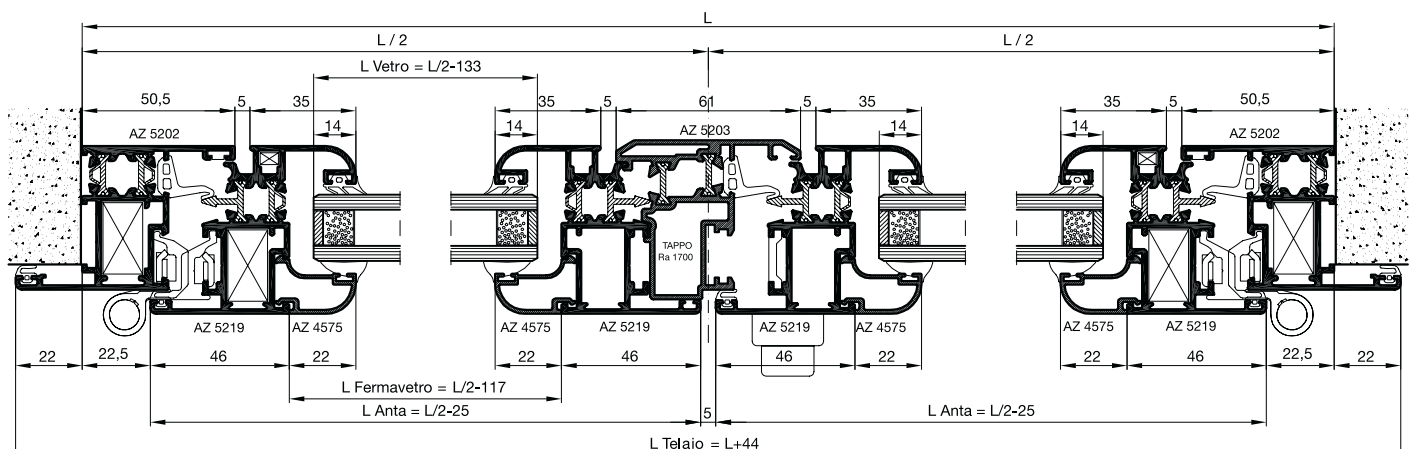
ACCESSORI ANTA BATTENTE

ART.	DESCRIZIONE	N° P.zzi
Ra 1427	CERNIERA FLASH BASE	2
Ra 1056	CREMONESE PRIMA	1
Ra 1447	BLOCCHETTO DI COLLEGAMENTO	1 CP.
Ra 1002	TERMINALE DI CHIUSURA	2
Ra 1437	INCONTRO IN ZAMA	2



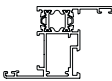

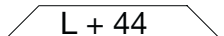
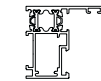

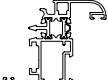
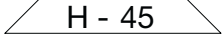
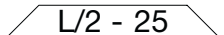
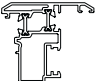
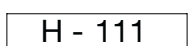


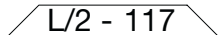


CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml $5,6 \times L$	
Profili Vert.	Kg/ml $10,2 \times H$	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L/2 - 133	H - 153	2



Sezione B-B'-B

DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5202		TELAIO Z	 H + 44	2
			 L + 44	1
AZ 5201		TELAIO L	 L	1
AZ 5219		ANTA	 H - 45	2
			 L/2 - 25	2
AZ 5203		RIPORTO CENTRALE	 H - 111	1
AZ 4575		FERMAVETRO	 H - 137	2
			 L/2 - 117	2
AZ 2035		ASTINA DI COMANDO		1

GUARNIZIONI

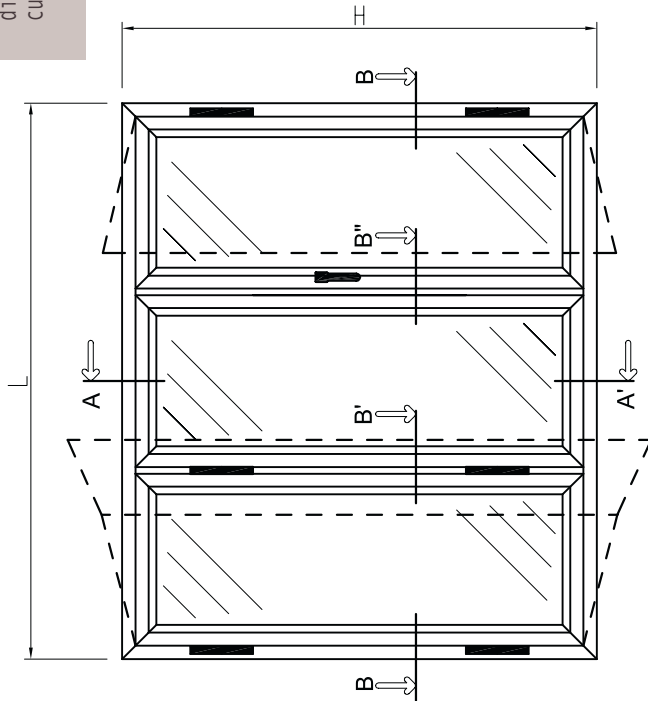
	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 4H
	Rg 312	G. ESTERNA VETRO	2L + 4H
	Rg 330	G. CENTRALE DI TENUTA	2L + 3H
	Rg 402	G. BATTUTA INTERNA E A MURO	3L + 5H
	Ra 1703	ANGOLO VULCANIZZATO	4
	Rg 323	G. ISOLAMENTO SOGLIA	1L

ACCESSORI

ART.	DESCRIZIONE	N° P.zzi
Ra 1702	SQUADRETTA DI ALLINEAMENTO TELAIO	4
Ra 1705 Ra 1706	SQUADRETTA	12
Ra 1710	SQUADRETTA ANTA ESTERNA	8
Ra 1404	REGOLATORE A MURO	10
Ra 1033	CAPPETTA DI DRENAGGIO	3

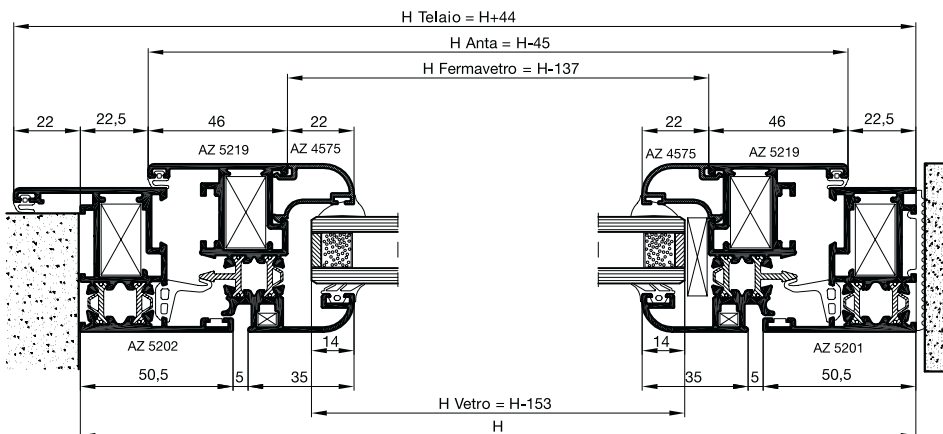
ACCESSORI ANTA BATTENTE

ART.	DESCRIZIONE	N° P.zzi
Ra 1427	CERNIERA FLASH BASE	4
Ra 1056	CREMONESE PRIMA	1
Ra 1447	BLOCCHETTO DI COLLEGAMENTO	1 CP.
Ra 1002	TERMINALE DI CHIUSURA	2
Ra 2808	INCONTRO DOPPIO IN ZAMA	2
Ra 1035	CATENACCI GIAP IN NYLON	2
Ra 1700	TAPPO PER RIPORTO CENT.	1 CP.



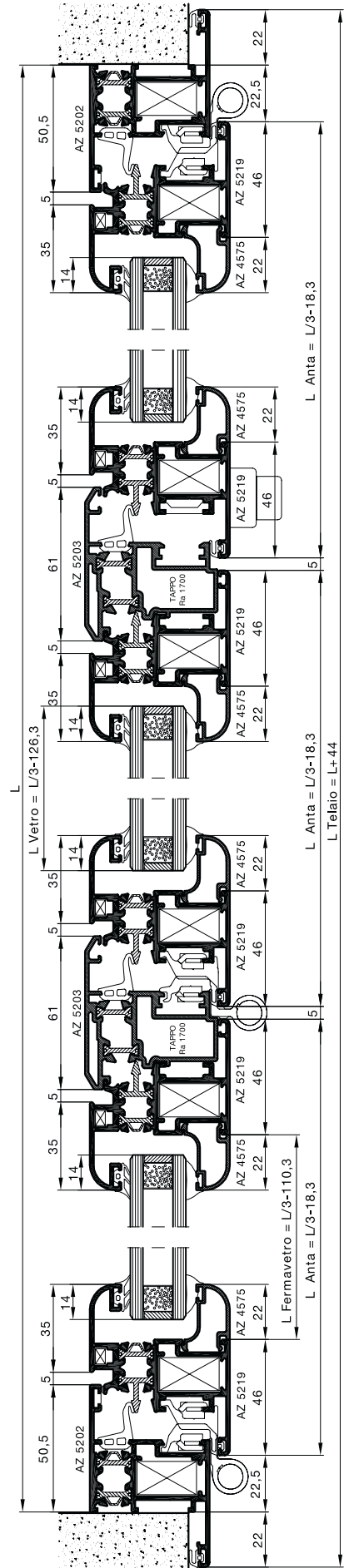
CALCOLO PESO PROFILI		TOTALE
Profili Orizz.	Kg/ml	5,6 x L
Profili Vert.	Kg/ml	14,8 x H
		TOTALE

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L/3 - 126,3	H - 153	3

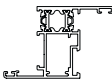

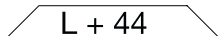
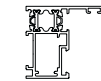

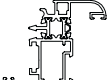
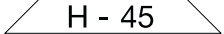
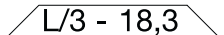
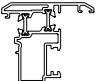
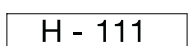
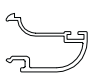

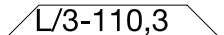




Sezione A-A'

Sezione B-B'-B''-B



DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5202		TELAIO Z	 H + 44	2
			 L + 44	1
AZ 5201		TELAIO L	 L	1
AZ 5219		ANTA	 H - 45	2
			 L/3 - 18,3	2
AZ 5203		RIPORTO CENTRALE	 H - 111	2
AZ 4575		FERMAVETRO	 H - 137	2
			 L/3-110,3	2
AZ 2035		ASTINA DI COMANDO		1

GUARNIZIONI

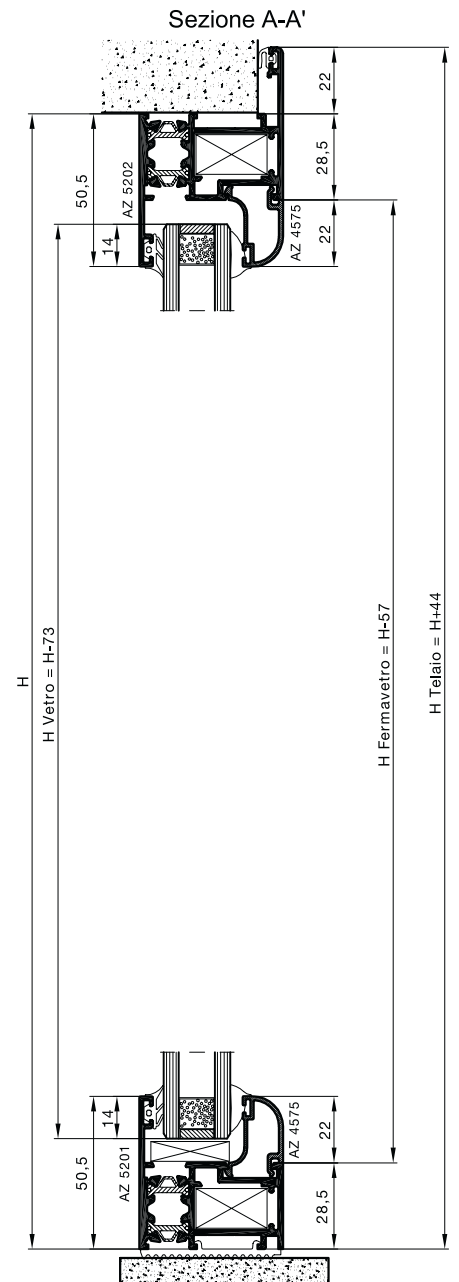
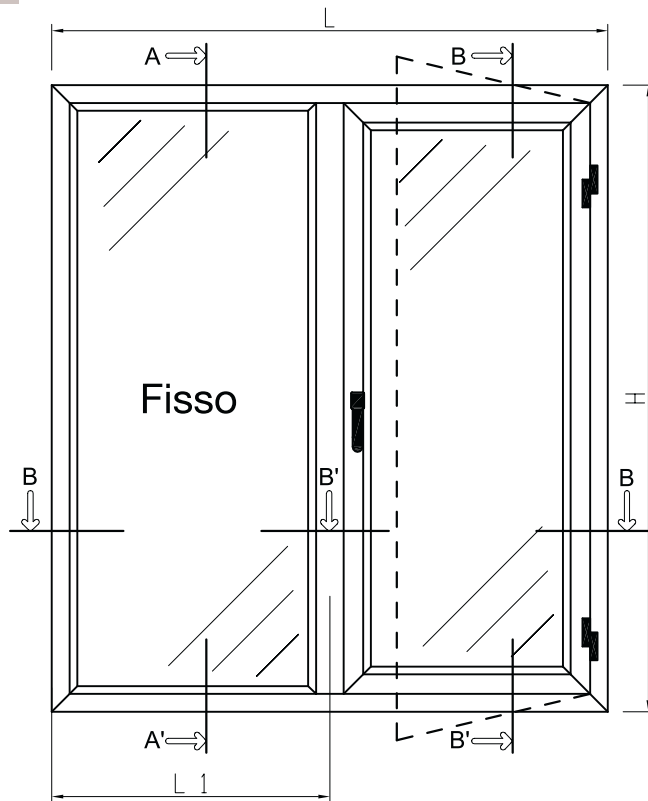
	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 6H
	Rg 312	G. ESTERNA VETRO	2L + 6H
	Rg 330	G. CENTRALE DI TENUTA	2L + 4H
	Rg 402	G. BATTUTA INTERNA E A MURO	3L + 6H
	Ra 1703	ANGOLO VULCANIZZATO	4
	Rg 323	G. ISOLAMENTO SOGLIA	1L

ACCESSORI

ART.	DESCRIZIONE	N° P.zzi
Ra 1702	SQUADRETTA DI ALLINEAMENTO TELAIO	4
Ra 1705 Ra 1706	SQUADRETTA	16
Ra 1710	SQUADRETTA ANTA ESTERNA	12
Ra 1404	REGOLATORE A MURO	12
Ra 1033	CAPPETTA DI DRENAGGIO	4

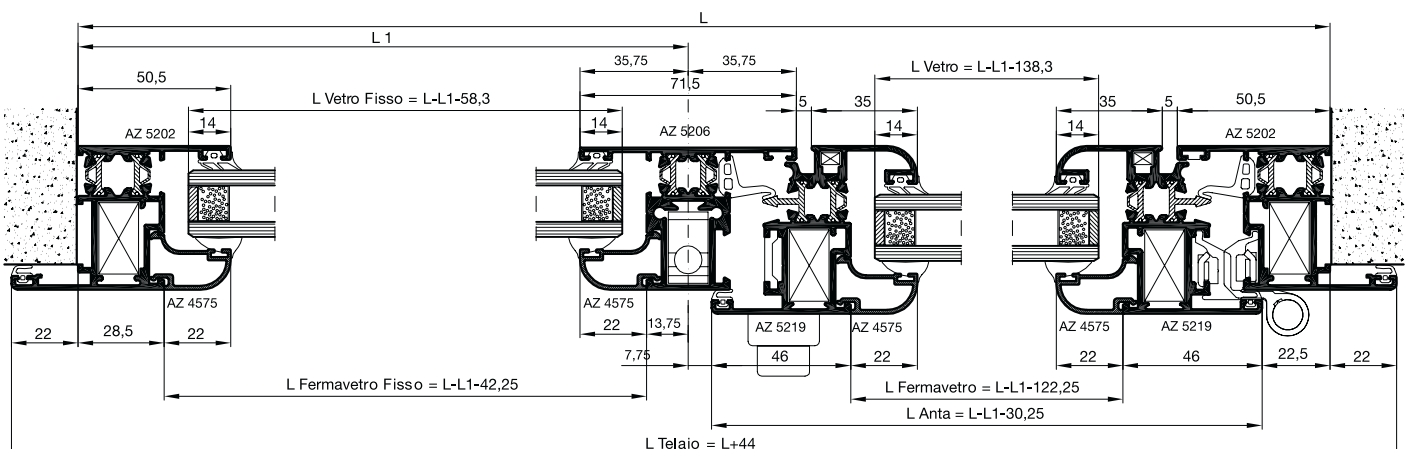
ACCESSORI ANTA BATTENTE

ART.	DESCRIZIONE	N° P.zzi
Ra 1427	CERNIERA FLASH BASE	4
Ra 1428	CERNIERA FLASH 3ANTA	2
Ra 1056	CREMONESE PRIMA	1
Ra 1447	BLOCCHETTO DI COLLEGAMENTO	1 CP.
Ra 1002	TERMINALE DI CHIUSURA	2
Ra 2808	INCONTRO DOPPIO IN ZAMA	2
Ra 1035	CATENACCI GIAP IN NYLON	4
Ra 1700	TAPPO PER RIPORTO CENT.	2 CP.
Ra 1437	INCONTRO SINGOLO IN ZAMA	2



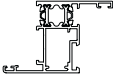
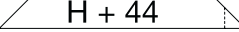
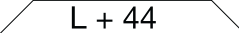
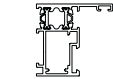

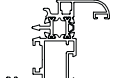
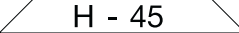
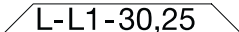
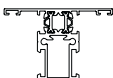
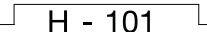

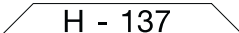
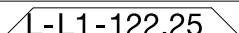

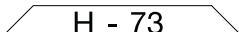
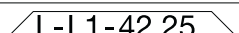

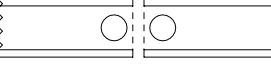
CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml $4,2 \times L$	
Profili Vert.	Kg/ml $7,5 \times H$	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L-L1-138,3	H - 153	1
Fisso	L-L1 - 58,3	H - 73	1



Sezione B-B'-B

DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5202		TELAIO Z	 H + 44	2
			 L + 44	1
AZ 5201		TELAIO L	 L	1
AZ 5219		ANTA	 H - 45	2
			 L-L1-30,25	2
AZ 5206		TRAVERSO	 H - 101	1
AZ 4575		FERMAVETRO	 H - 137	2
			 L-L1-122,25	2
AZ 4575		FERMAVETRO PARTE FISSA	 H - 73	2
			 L-L1-42,25	2
AZ 2035		ASTINA DI COMANDO		1

GUARNIZIONI

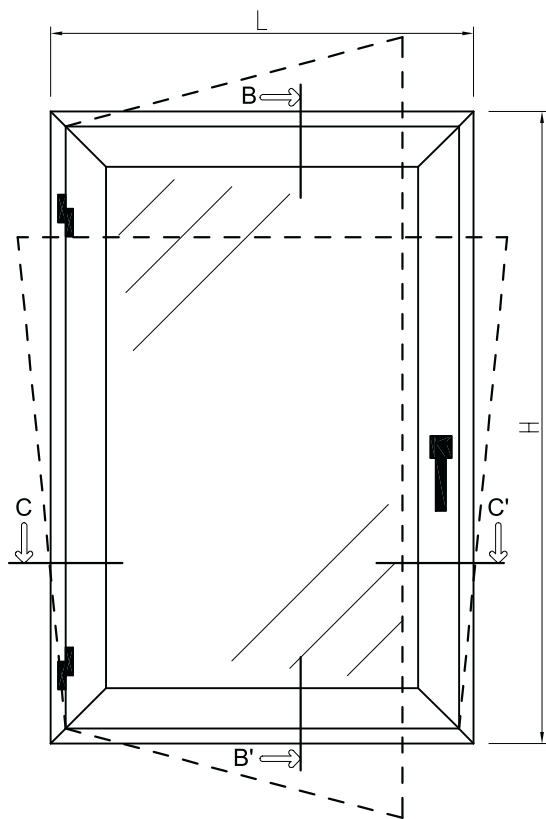
	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 4H
	Rg 312	G. ESTERNA VETRO	2L + 4H
	Rg 330	G. CENTRALE DI TENUTA	2L/2 + 2H
	Rg 402	G. BATTUTA INTERNA E A MURO	3L + 4H
	Ra 1703	ANGOLO VULCANIZZATO	4
	Rg 323	G. ISOLAMENTO SOGLIA	1L

ACCESSORI

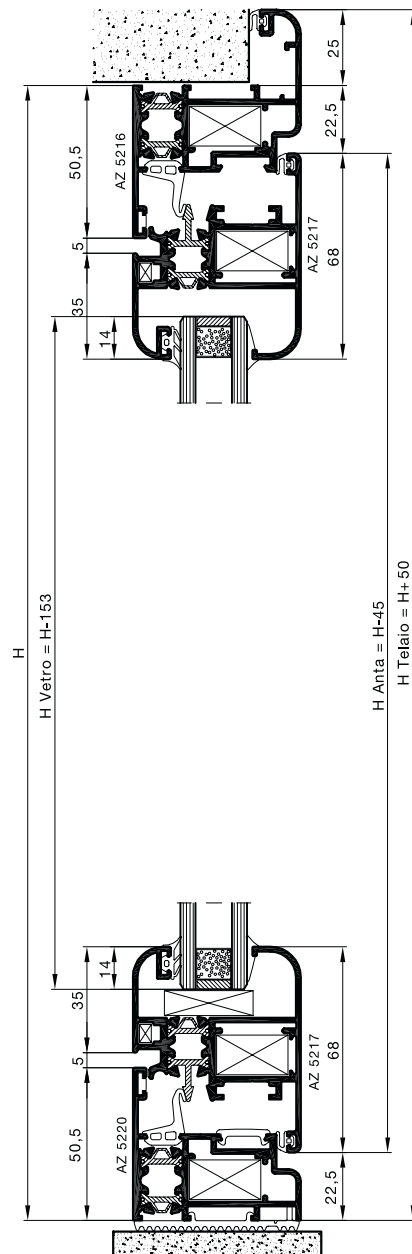
ART.	DESCRIZIONE	N° P.zzi
Ra 1702	SQUADRETTA DI ALLINEAMENTO TELAIO	4
Ra 1705 Ra 1706	SQUADRETTA	8
Ra 1710	SQUADRETTA ANTA ESTERNA	4
Ra 1404	REGOLATORE A MURO	8
Ra 1033	CAPPETTA DI DRENAGGIO	2
Ra 1420	CAVALLOTTO	2

ACCESSORI ANTA BATTENTE

ART.	DESCRIZIONE	N° P.zzi
Ra 1427	CERNIERA FLASH BASE	2
Ra 1056	CREMONESE PRIMA	1
Ra 1447	BLOCCHETTO DI COLLEGAMENTO	1 CP.
Ra 1002	TERMINALE DI CHIUSURA	2
Ra 1437	INCONTRO IN ZAMA	2

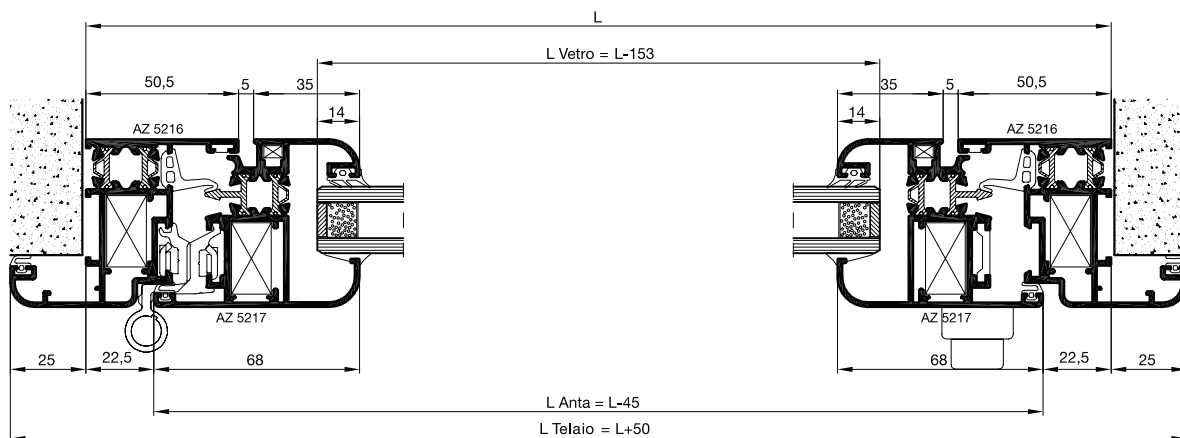


Sezione B-B'

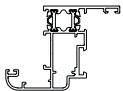
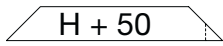
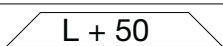


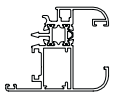
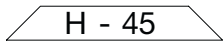
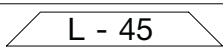

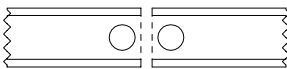


CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml $5,5 \times L$	
Profili Vert.	Kg/ml $5,8 \times H$	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L - 153	H - 153	1



Sezione C-C'

DISTINTA TAGLIO PROFILI				
ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5216		TELAIO Z	 H + 50	2
			 L + 50	1
AZ 5220		TELAIO L	 L	1
AZ 5217		ANTA	 H - 45	2
			 L - 45	2
AZ 2035		ASTINA DI COMANDO		1

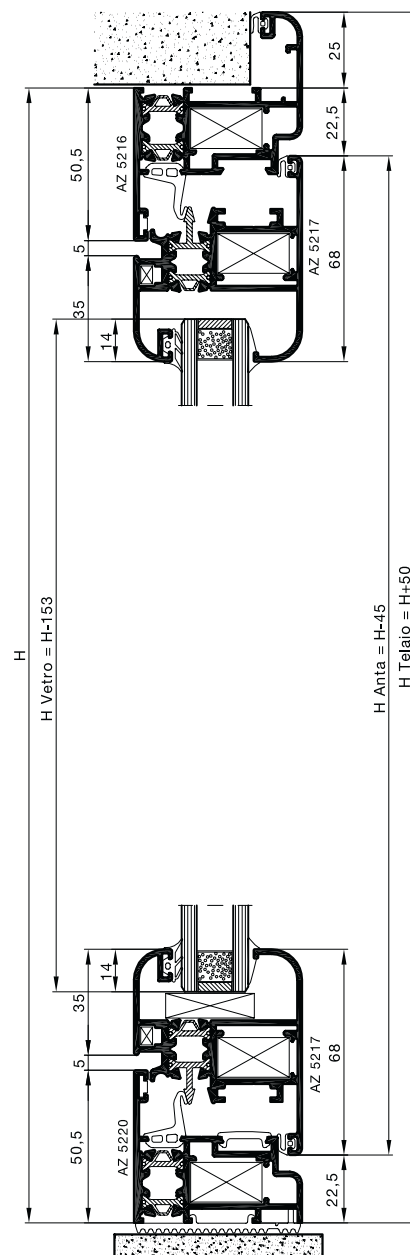
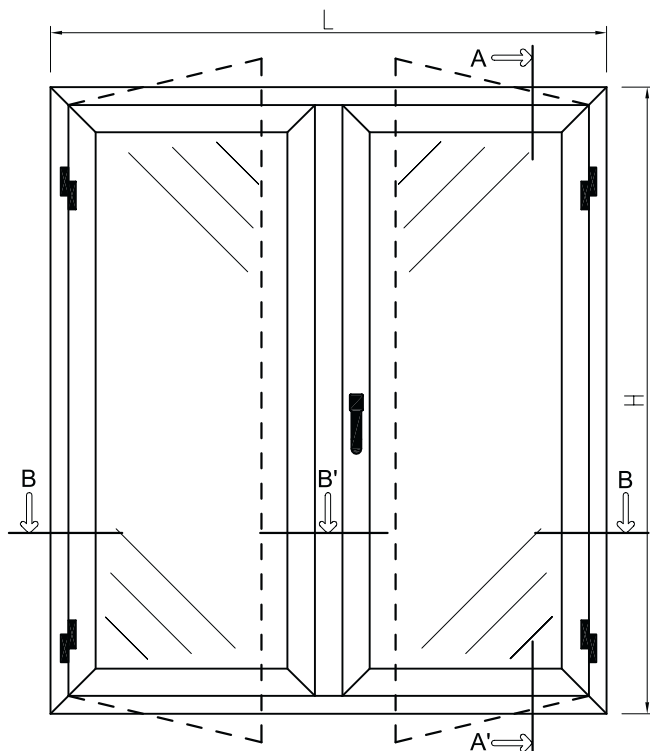
GUARNIZIONI			
	ART.	DESCRIZIONE	N° P.zzi
	Rg 307	G. INTERNA VETRO	2L + 2H
	Rg 312	G. ESTERNA VETRO	2L + 2H
	Rg 330	G. CENTRALE DI TENUTA	2L + 2H
	Rg 402	G. BATTUTA INTERNA E A MURO	3L + 4H
	Ra 1703	ANGOLO VULCANIZZATO	4
	Rg 323	G. ISOLAMENTO SOGLIA	1L

ACCESSORI		
ART.	DESCRIZIONE	N° P.zzi
Ra 1702	SQUADRETTA DI ALLINEAMENTO TELAIO	4
Ra 1705 Ra 1706	SQUADRETTA	8
Ra 1710	SQUADRETTA ANTA ESTERNA	4
Ra 1404	REGOLATORE A MURO	8
Ra 1033	CAPPETTA DI DRENAGGIO	2

ACCESSORI ANTA RIBALTA		
ART.	DESCRIZIONE	N° P.zzi
Ra 1455	MECC. AR FUTURA SOL. COMPL.	1
Ra 1057	CREMONESE PRIMA AR	1
Ra 1044	BRACCIO TIPO 1	1

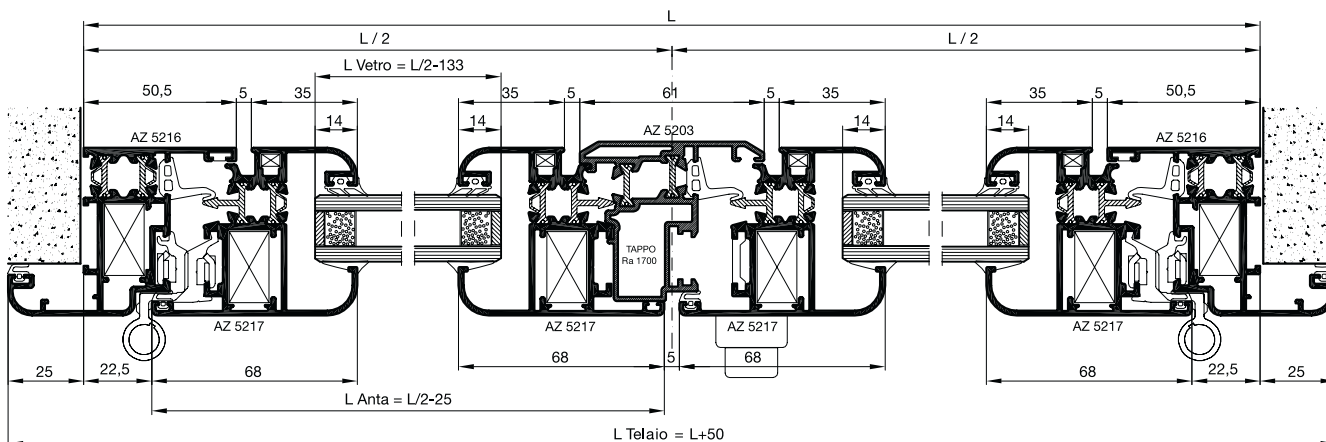
ACCESSORI ANTA BATTENTE		
ART.	DESCRIZIONE	N° P.zzi
Ra 1428	CERNIERA FLASH SOL. COMPL.	2
Ra 1056	CREMONESE PRIMA	1
Ra 1447	BLOCCHETTO DI COLLEGAMENTO	1 CP.
Ra 1002	TERMINALE DI CHIUSURA	2
Ra 1437	INCONTRO IN ZAMA	2

Sezione A-A'



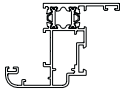
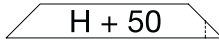
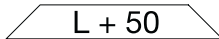
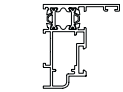

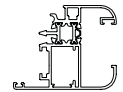
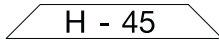
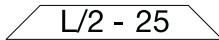
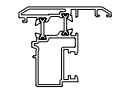
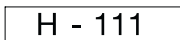

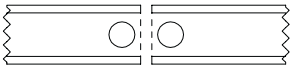
CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml <u>5,5</u> x L	
Profili Vert.	Kg/ml <u>10,1</u> x H	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L/2 - 133	H - 153	2



Sezione B-B'-B

DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5216		TELAIO Z	 H + 50	2
			 L + 50	1
AZ 5220		TELAIO L	 L	1
AZ 5217		ANTA	 H - 45	2
			 L/2 - 25	2
AZ 5203		RIPORTO CENTRALE	 H - 111	1
AZ 2035		ASTINA DI COMANDO		1

GUARNIZIONI

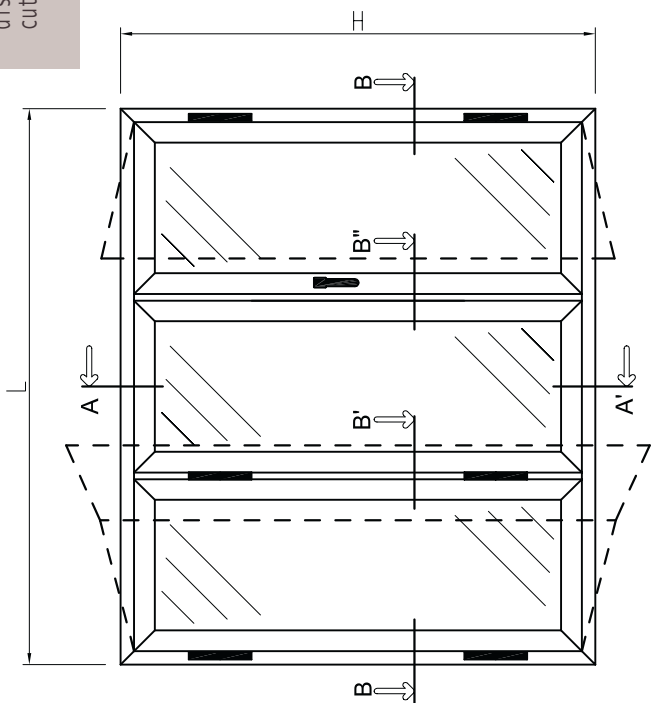
	ART.	DESCRIZIONE	N° P.zzi
	Rg 307	G. INTERNA VETRO	2L + 4H
	Rg 312	G. ESTERNA VETRO	2L + 4H
	Rg 330	G. CENTRALE DI TENUTA	2L + 3H
	Rg 402	G. BATTUTA INTERNA E A MURO	3L + 5H
	Ra 1703	ANGOLO VULCANIZZATO	4
	Rg 323	G. ISOLAMENTO SOGLIA	1L

ACCESSORI

ART.	DESCRIZIONE	N° P.zzi
Ra 1702	SQUADRETTA DI ALLINEAMENTO TELAIO	4
Ra 1705 Ra 1706	SQUADRETTA	12
Ra 1710	SQUADRETTA ANTA ESTERNA	8
Ra 1404	REGOLATORE A MURO	10
Ra 1033	CAPPETTA DI DRENAGGIO	3

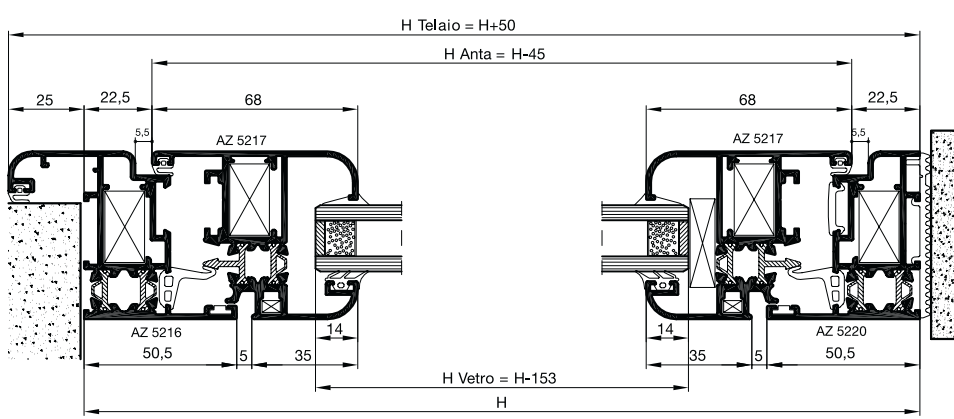
ACCESSORI ANTA BATTENTE

ART.	DESCRIZIONE	N° P.zzi
Ra 1428	CERNIERA FLASH SOL. COMPL.	4
Ra 1056	CREMONESE PRIMA	1
Ra 1447	BLOCCHETTO DI COLLEGAMENTO	1 CP.
Ra 1002	TERMINALE DI CHIUSURA	2
Ra 2808	INCONTRO DOPPIO IN ZAMA	2
Ra 1035	CATENACCI GIAP IN NYLON	2
Ra 1700	TAPPO PER RIPORTO CENT.	1 CP.



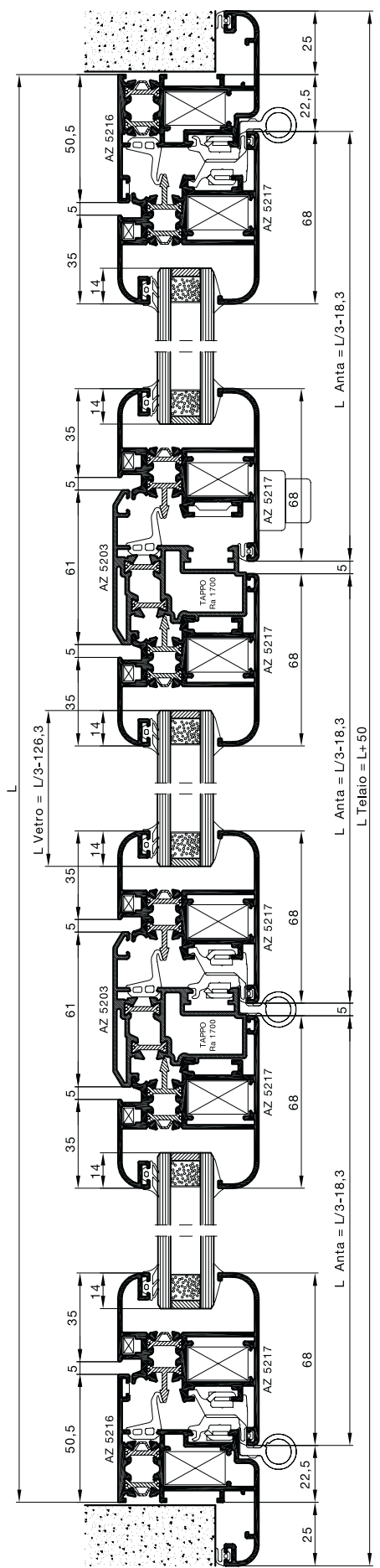
CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml 5,5 x L	
Profili Vert.	Kg/ml 14,4 x H	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L/3 - 126,3	H - 153	3

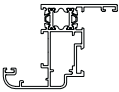
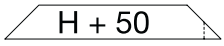
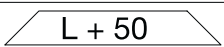
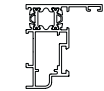
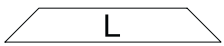
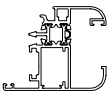
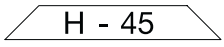
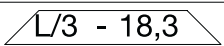
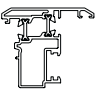
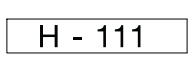

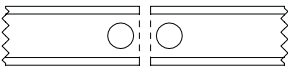


Sezione A-A'

Sezione B-B'-B''-B



DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5216		TELAIO Z		2
				1
AZ 5220		TELAIO L		1
AZ 5217		ANTA		2
				2
AZ 5203		RIPORTO CENTRALE		2
AZ 2035		ASTINA DI COMANDO		1

GUARNIZIONI

	ART.	DESCRIZIONE	N° P.zzi
	Rg 307	G. INTERNA VETRO	2L + 6H
	Rg 312	G. ESTERNA VETRO	2L + 6H
	Rg 330	G. CENTRALE DI TENUTA	2L + 4H
	Rg 402	G. BATTUTA INTERNA E A MURO	3L + 6H
	Ra 1703	ANGOLO VULCANIZZATO	4
	Rg 323	G. ISOLAMENTO SOGLIA	1L

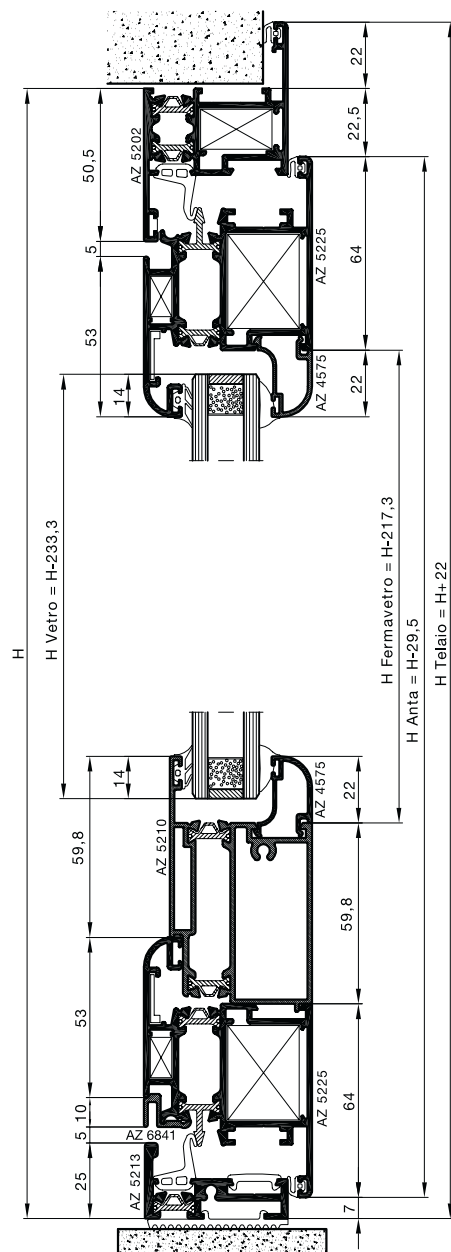
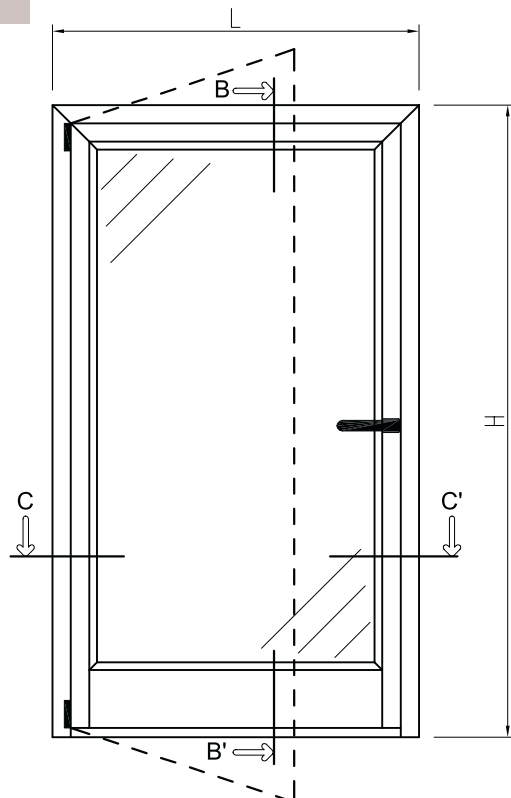
ACCESSORI

ART.	DESCRIZIONE	N° P.zzi
Ra 1702	SQUADRETTA DI ALLINEAMENTO TELAIO	4
Ra 1705 Ra 1706	SQUADRETTA	16
Ra 1710	SQUADRETTA ANTA ESTERNA	12
Ra 1404	REGOLATORE A MURO	12
Ra 1033	CAPPETTA DI DRENAGGIO	4

ACCESSORI ANTA BATTENTE

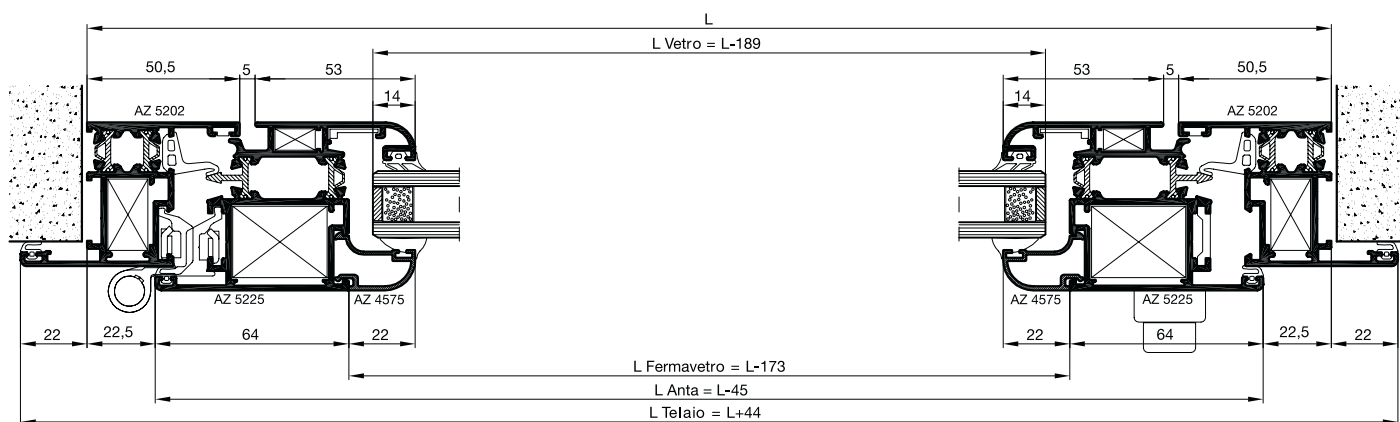
ART.	DESCRIZIONE	N° P.zzi
Ra 1427	CERNIERA FLASH BASE	4
Ra 1428	CERNIERA FLASH 3ANTA	2
Ra 1056	CREMONESE PRIMA	1
Ra 1447	BLOCCHETTO DI COLLEGAMENTO	1 CP.
Ra 1002	TERMINALE DI CHIUSURA	2
Ra 2808	INCONTRO DOPPIO IN ZAMA	2
Ra 1035	CATENACCI GIAP IN NYLON	4
Ra 1700	TAPPO PER RIPORTO CENT.	2 CP.
Ra 1437	INCONTRO SINGOLO IN ZAMA	2

Sezione B-B'



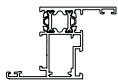
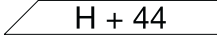
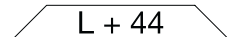

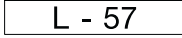
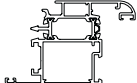
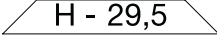
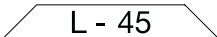

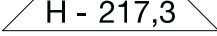
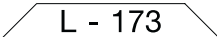
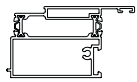
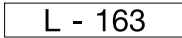

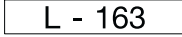


CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml <u>7,5</u> x L	
Profili Vert.	Kg/ml <u>6,3</u> x H	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L - 189	H - 233,3	1



Sezione C-C'

DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5202		TELAIO Z		2
				1
AZ 5213		TELAIO L		1
AZ 5225		ANTA		2
				2
AZ 4575		FERMAVETRO		2
				2
AZ 5203		FINTO ZOCCOLO		1
AZ 6841		COPRI FUGA		1
AZ 2035		ASTINA DI COMANDO		1

GUARNIZIONI

	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 2H
	Rg 312	G. ESTERNA VETRO	2L + 2H
	Rg 330	G. CENTRALE DI TENUTA	2L + 2H
	Rg 402	G. BATTUTA INTERNA E A MURO	3L + 4H
	Ra 1703	ANGOLO VULCANIZZATO	4
	Rg 323	G. ISOLAMENTO SOGLIA	1L

ACCESSORI

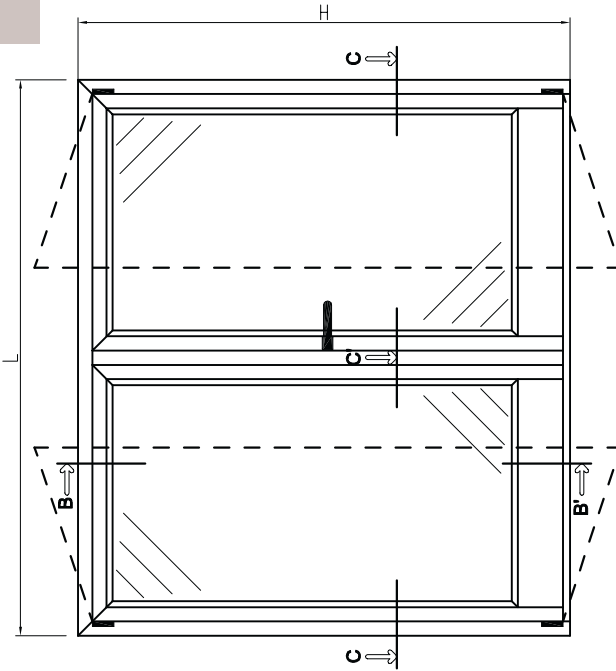
ART.	DESCRIZIONE	N° P.zzi
Ra 1702	SQUADRETTA DI ALLINEAMENTO TELAIO	2
Ra 1704	SQUADRETTA DI ALLINEAMENTO ANTA	4
Ra 1705 Ra 1706	SQUADRETTA TELAIO INTERNA	2
Ra 1707 Ra 1708	SQUADRETTA ANTA INTERNA	4
Ra 1712	SQUADRETTA ANTA ESTERNA	4
Ra 1404	REGOLATORE A MURO	8
Ra 1033	CAPPETTA DI DRENAGGIO	2

ACCESSORI ANTA RIBALTA

ART.	DESCRIZIONE	N° P.zzi
Ra 1458	MECC. BASE AR FUTURA	1
Ra 1057	CREMONESE PRIMA AR	1
Ra 1459	BRACCIO TIPO 1	1

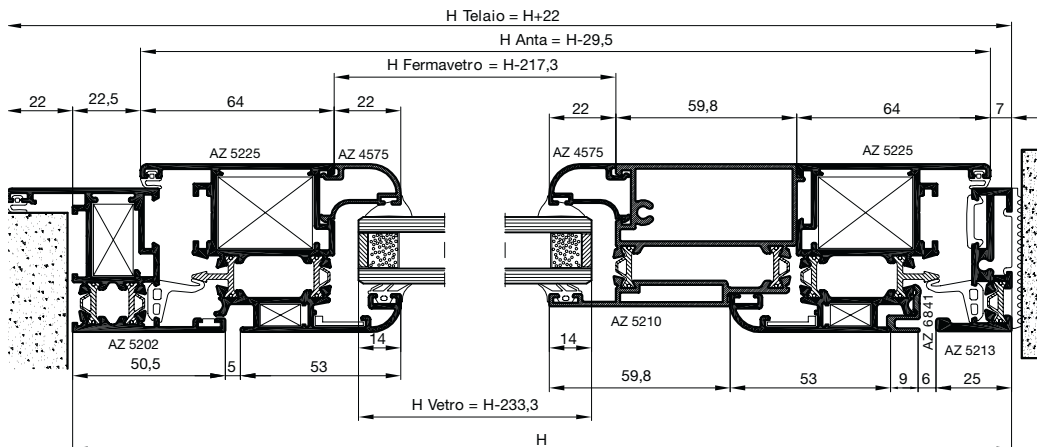
ACCESSORI ANTA BATTENTE

ART.	DESCRIZIONE	N° P.zzi
Ra 1427	CERNIERA FLASH BASE	2
Ra 1056	CREMONESE PRIMA	1
Ra 1447	BLOCCHETTO DI COLLEGAMENTO	1 CP.
Ra 1002	TERMINALE DI CHIUSURA	2
Ra 1437	INCONTRO IN ZAMA	2



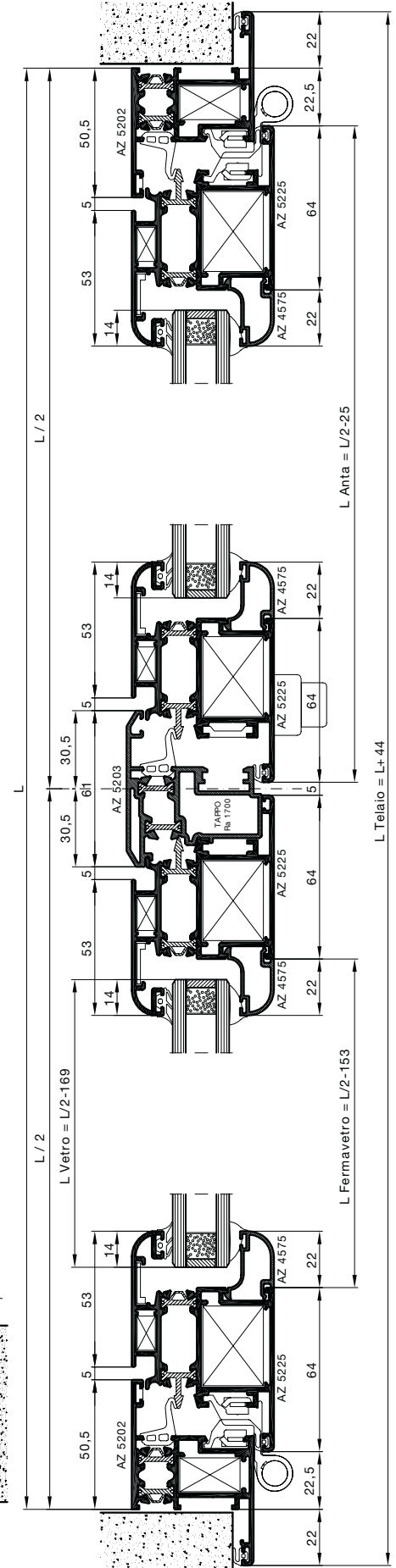
CALCOLO PESO PROFILI		TOTALE
		KG
Profili Orizz.	Kg/ml 7,5 x L	
Profili Vert.	Kg/ml 11,5 x H	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L/2 - 169	H - 233,3	3

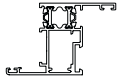
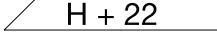
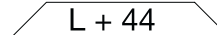

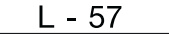
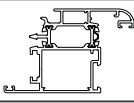
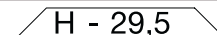

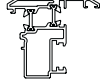
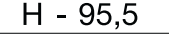

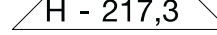
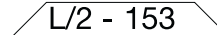
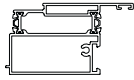
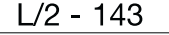

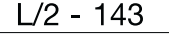

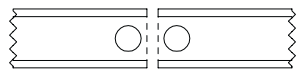


Sezione B-B'

Sezione C-C'-C



DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5202		TELAIO Z		2
				1
AZ 5213		TELAIO L		1
AZ 5225		ANTA		4
				2
AZ 5203		RIPORTO CENTRALE		1
AZ 4575		FERMAVETRO		4
				4
AZ 5203		FINTO ZOCCOLO		2
AZ 6841		COPRI FUGA		2
AZ 2035		ASTINA DI COMANDO		1

GUARNIZIONI

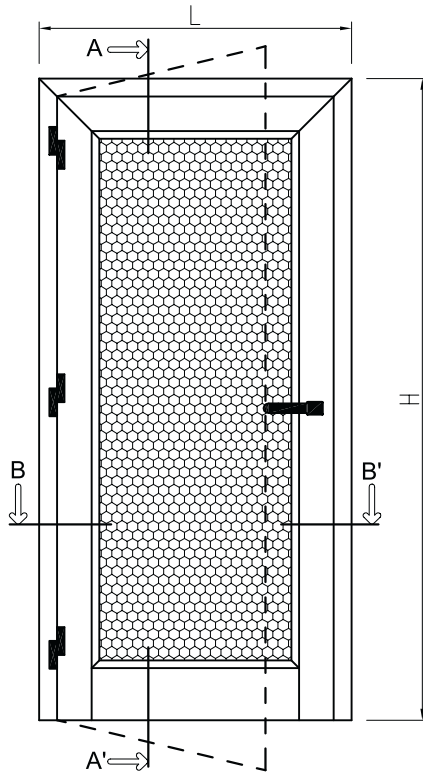
	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 4H
	Rg 312	G. ESTERNA VETRO	2L + 4H
	Rg 330	G. CENTRALE DI TENUTA	2L + 3H
	Rg 402	G. BATTUTA INTERNA E A MURO	3L + 5H
	Ra 1703	ANGOLO VULCANIZZATO	4
	Rg 323	G. ISOLAMENTO SOGLIA	1L

ACCESSORI

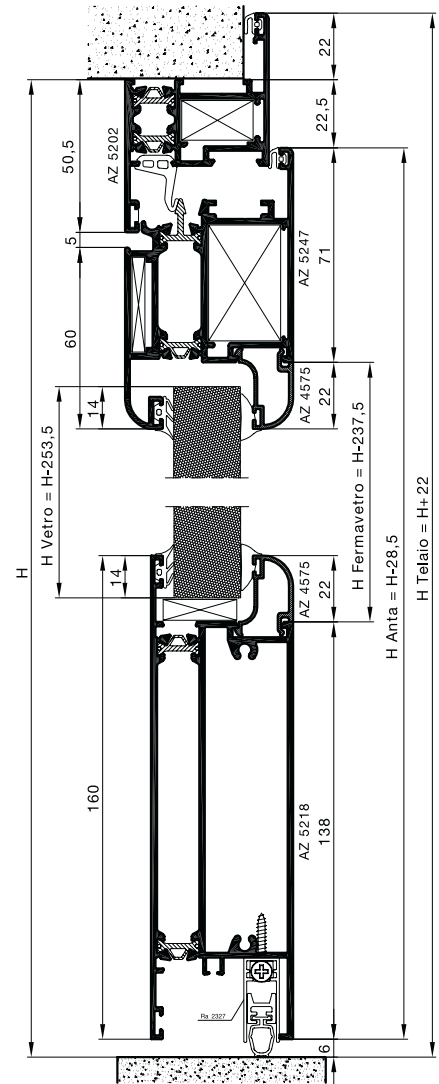
ART.	DESCRIZIONE	N° P.zzi
Ra 1702	SQUADRETTA DI ALLINEAMENTO TELAI0	2
Ra 1704	SQUADRETTA DI ALLINEAMENTO ANTA	8
Ra 1705 Ra 1706	SQUADRETTA TELAI0 INTERNA	2
Ra 1707 Ra 1708	SQUADRETTA ANTA INTERNA	8
Ra 1712	SQUADRETTA ANTA ESTERNA	8
Ra 1404	REGOLATORE A MURO	10
Ra 1033	CAPPETTA DI DRENAGGIO	3

ACCESSORI ANTA BATTENTE

ART.	DESCRIZIONE	N° P.zzi
Ra 1427	CERNIERA FLASH BASE	4
Ra 1056	CREMONESE PRIMA	1
Ra 1447	BLOCCHETTO DI COLLEGAMENTO	1 CP.
Ra 1002	TERMINALE DI CHIUSURA	2
Ra 2808	INCONTRO DOPPIO IN ZAMA	2
Ra 1035	CATENACCI GIAP IN NYLON	2
Ra 1700	TAPPO PER RIPORTO CENT.	1 CP.



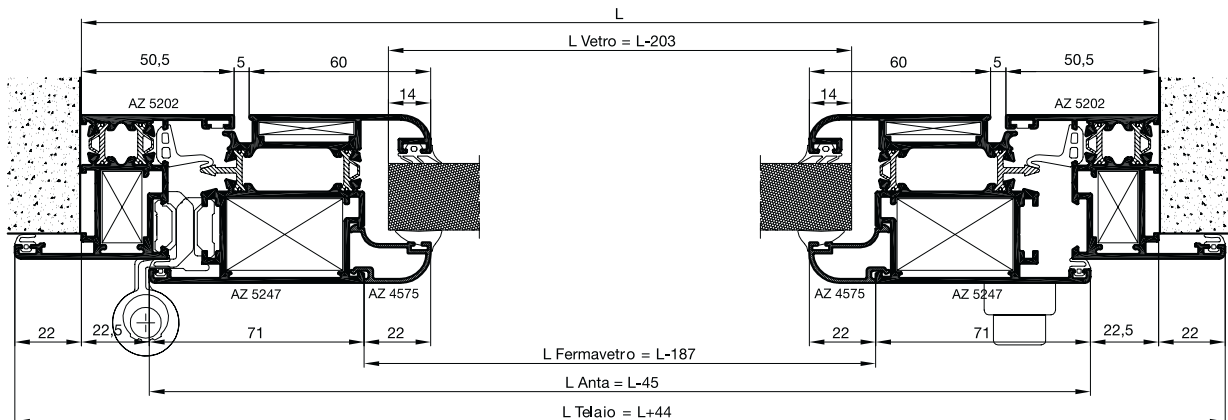
Sezione A-A'



CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml $6 \times L$	
Profili Vert.	Kg/ml $6,7 \times H$	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L - 203	H - 253,5	1

Sezione B-B'



DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5202		TELAIO Z	 H + 22	2
			 L + 44	1
AZ 5247		ANTA	 H - 28,5	2
			 L - 45	1
AZ 4575		FERMAVETRO	 H - 237,5	2
			 L - 187	2
AZ 5218		ZOCCOLO	 L - 177	1

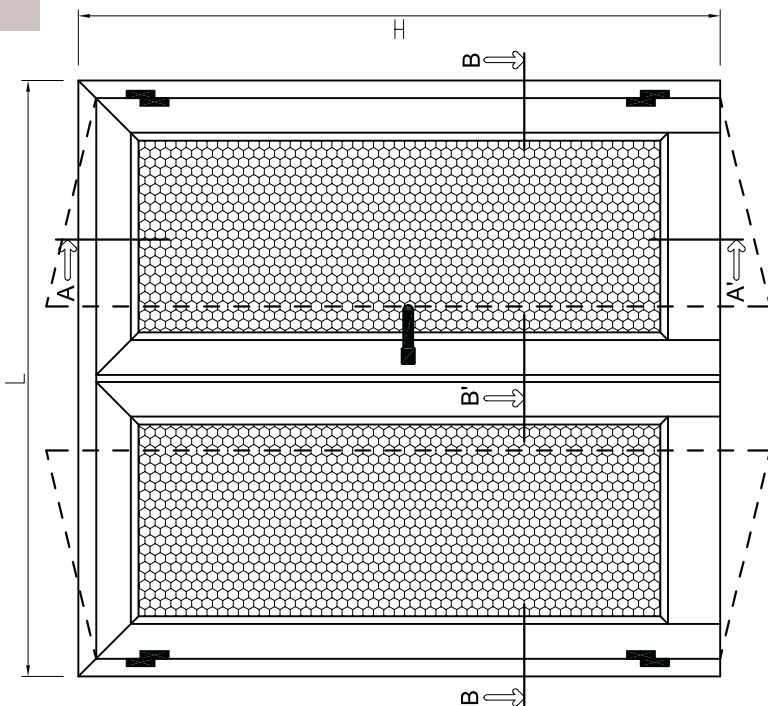
GUARNIZIONI

	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 2H
	Rg 312	G. ESTERNA VETRO	2L + 2H
	Rg 330	G. CENTRALE DI TENUTA	L + 2H
	Rg 402	G. BATTUTA INTERNA E A MURO	2L + 4H
	Ra 1703	ANGOLO VULCANIZZATO	2

ACCESSORI

ART.	DESCRIZIONE	N° P.zzi
Ra 1702	SQUADRETTA DI ALLINEAMENTO TELAIO	2
Ra 1705 Ra 1706	SQUADRETTA TELAIO INTERNA	2
Ra 1714	SQUADRETTA ANTA INTERNA	8
Ra 1713	SQUADRETTA ANTA ESTERNA	8
Ra 1404	REGOLATORE A MURO	8
Ra 1427	CERNIERA FLASH BASE	3
Ra 2327 Ra 2328	KIT DI TENUTA SOTTOZOCCOLO 1 o 2	L

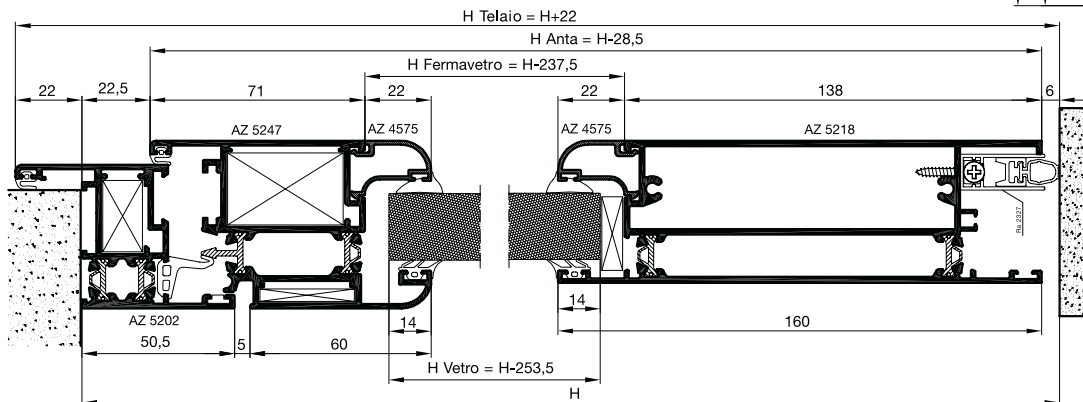
PER GLI ACCESSORI DI CHIUSURA
CONSULTARE LE TABELLE SERRATURE



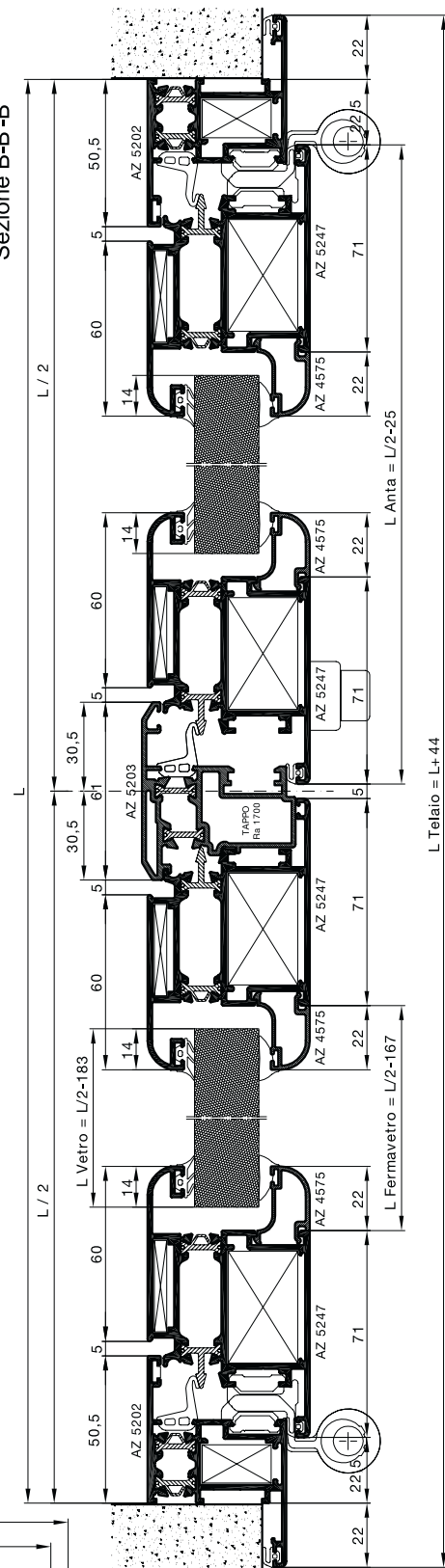
CALCOLO PESO PROFILI		TOTALE
Profili Orizz.	Kg/ml 6 x L	KG
Profili Vert.	Kg/ml 12,2 x H	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L/2 - 183	H - 253,5	2

Sezione A-A'







Sezione B-B'-B



DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5202		TELAIO Z		2
				1
AZ 5247		ANTA		4
				2
AZ 5203		RIPORTO CENTRALE		1
AZ 4575		FERMAVETRO		4
				4
AZ 5218		ZOCCOLO		2

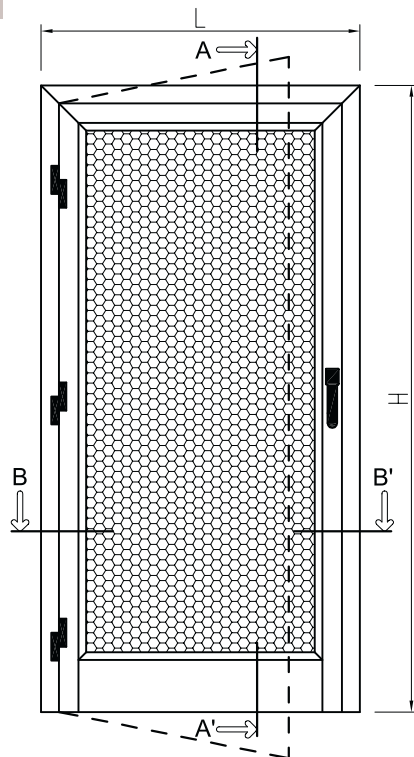
GUARNIZIONI

	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 4H
	Rg 312	G. ESTERNA VETRO	2L + 4H
	Rg 330	G. CENTRALE DI TENUTA	L + 3H
	Rg 402	G. BATTUTA INTERNA E A MURO	2L + 5H
	Ra 1703	ANGOLO VULCANIZZATO	2

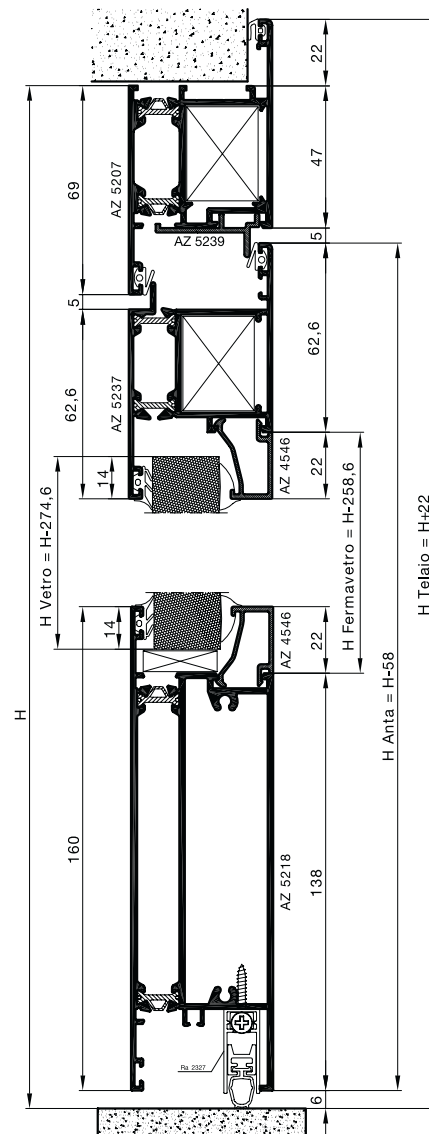
ACCESSORI

ART.	DESCRIZIONE	N° P.zzi
Ra 1702	SQUADRETTA DI ALLINEAMENTO TELAIIO	2
Ra 1705 Ra 1706	SQUADRETTA TELAIIO INTERNA	2
Ra 1714	SQUADRETTA ANTA INTERNA	4
Ra 1713	SQUADRETTA ANTA ESTERNA	4
Ra 1404	REGOLATORE A MURO	10
Ra 1427	CERNIERA FLASH BASE	3
Ra 1700	TAPPO PER RIPORTO CENT.	1 CP.
Ra 2327 Ra 2328	KIT DI TENUTA SOTTOZOCCOLO 1 o 2	L

PER GLI ACCESSORI DI CHIUSURA
CONSULTARE LA TABELLA SERRATURE



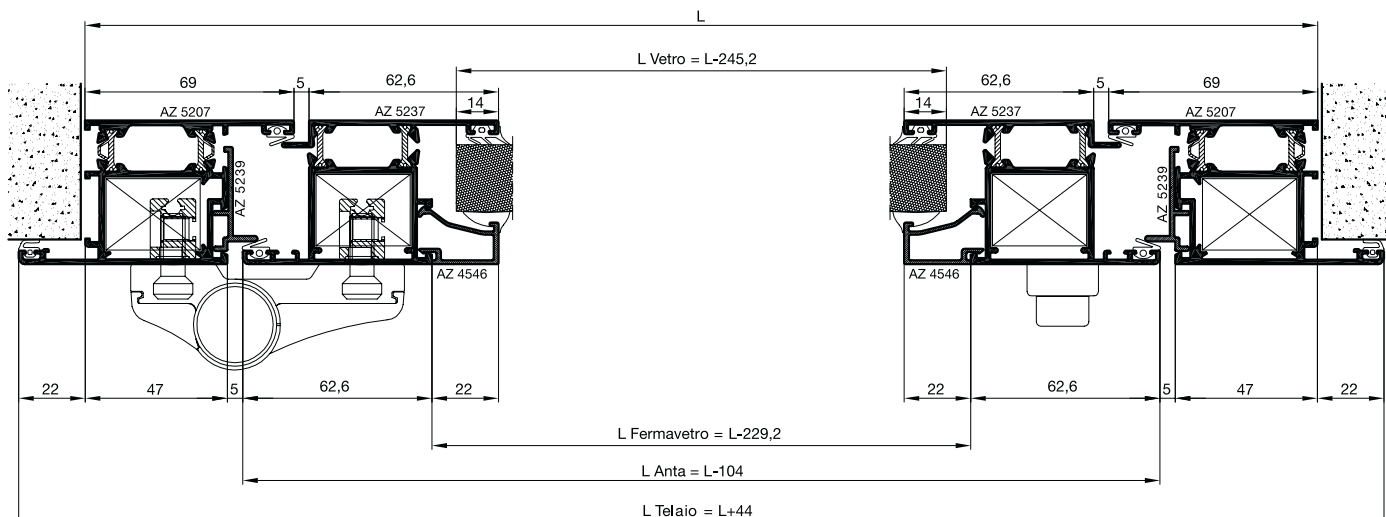
Sezione A-A'



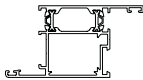
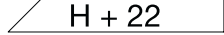
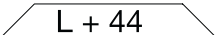
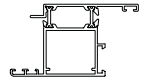
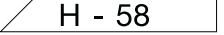
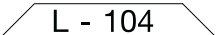

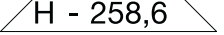
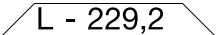



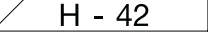
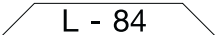
CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml <u>6</u> x L _____	_____
Profili Vert.	Kg/ml <u>6,6</u> x H _____	_____
TOTALE		_____

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L - 245,2	H - 274,6	1





Sezione B-B'



DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5207		TELAIO Z	 H + 22	2
			 L + 44	1
AZ 5237		ANTA	 H - 58	2
			 L - 104	1
AZ 4546		FERMAVETRO	 H - 258,6	2
			 L - 229,2	2
AZ 5218		ZOCCOLO	 L - 219,2	1
AZ 5239		INVERSIONE DI BATTUTA	 H - 42	2
			 L - 84	1

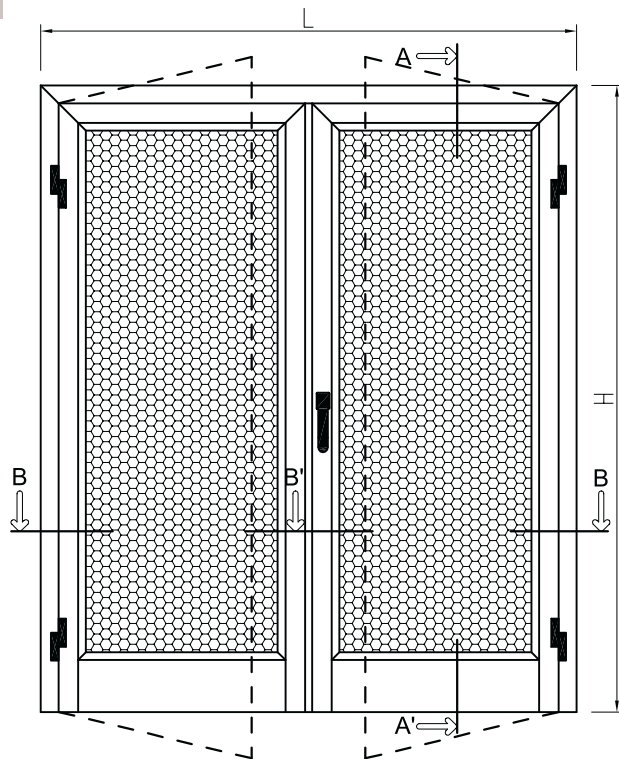
GUARNIZIONI

	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 2H
	Rg 312	G. ESTERNA VETRO	2L + 2H
	Rg 401	G. DI BATTUTA	2L + 4H
	Rg 402	G. BATTUTA A MURO	L + 2H

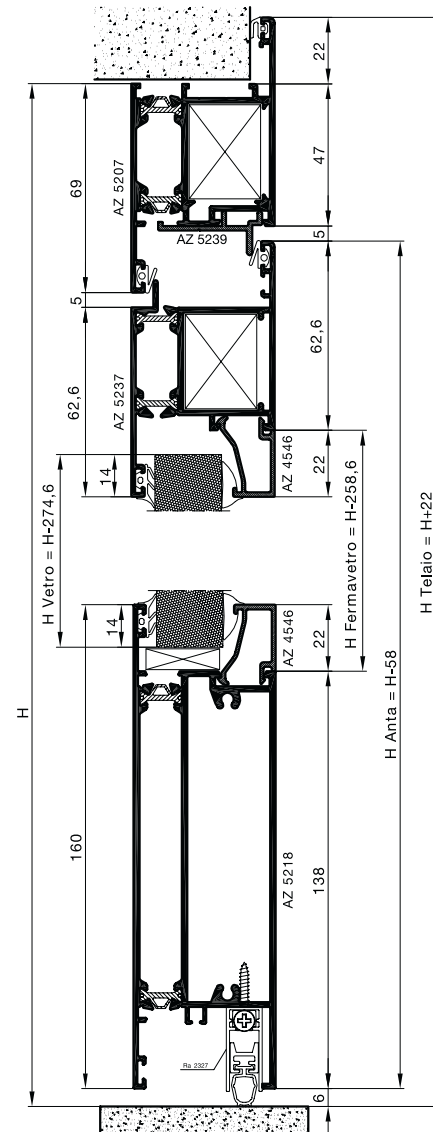
ACCESSORI

ART.	DESCRIZIONE	N° P.zzi
Ra 1707 Ra 1708	SQUADRETTA INTERNA PER TELAIO E ANTA	4
Ra 1404	REGOLATORE A MURO	8
Ra 1724 Ra 1725	CERNIERA A 2 ALI INT. 62,5 mm CERNIERA A 3 ALI INT. 62,5 mm	2
Ra 2327 Ra 2328	KIT DI TENUTA SOTTOZOCLOLO 1 o 2	L

PER GLI ACCESSORI DI CHIUSURA
CONSULTARE LA TABELLA SERRATURE



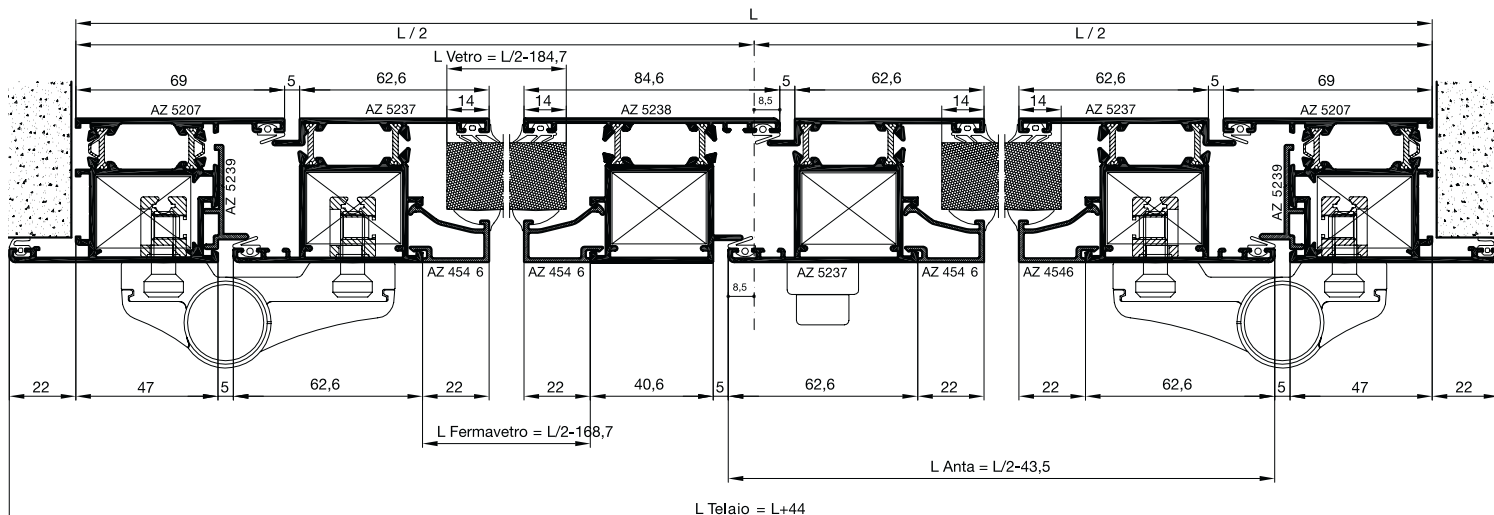
Sezione A-A'



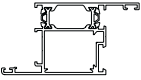
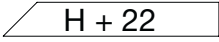
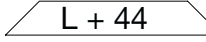
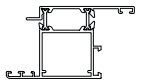
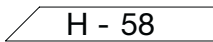
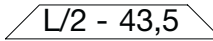
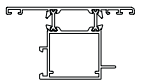
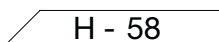

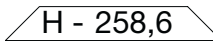
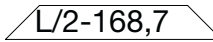

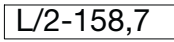
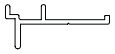
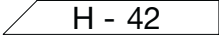

CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml <u>6</u> x L _____	_____
Profili Vert.	Kg/ml <u>9,7</u> x H _____	_____
TOTALE		_____

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L/2 - 184,7	H - 274,6	2



Sezione B-B'-B



DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5207		TELAIO Z		2
				1
AZ 5237		ANTA		3
				2
AZ 5238		MONTANTE ANTA INVERSIONE DI BATTUTA		1
AZ 4546		FERMAVETRO		4
				4
AZ 5218		ZOCCOLO		2
AZ 5239		INVERSIONE DI BATTUTA		2
				1

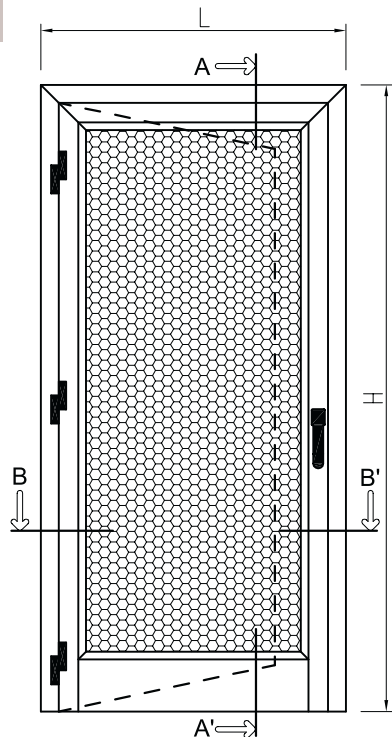
GUARNIZIONI

	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 4H
	Rg 312	G. ESTERNA VETRO	2L + 4H
	Rg 401	G. DI BATTUTA	2L + 6H
	Rg 402	G. BATTUTA A MURO	L + 2H

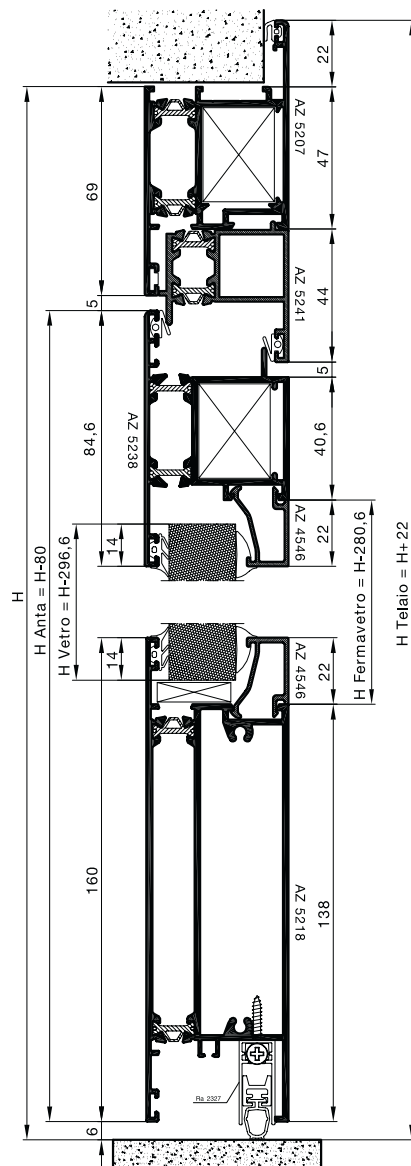
ACCESSORI

ART.	DESCRIZIONE	N° P.zzi
Ra 1707 Ra 1708	SQUADRETTA INTERNA PER TELAIO E ANTA	6
Ra 1404	REGOLATORE A MURO	10
Ra 1724 Ra 1725	CERNIERA A 2 ALI INT. 62,5 mm CERNIERA A 3 ALI INT. 62,5 mm	4
Ra 1701	TAPPO DI FINITURA PORTE	1
Ra 2323	CATENACCIO TOTEM	2
Ra 2327 Ra 2328	KIT DI TENUTA SOTTOZOCOLO 1 o 2	L

PER GLI ACCESSORI DI CHIUSURA
CONSULTARE LA TABELLA SERRATURE



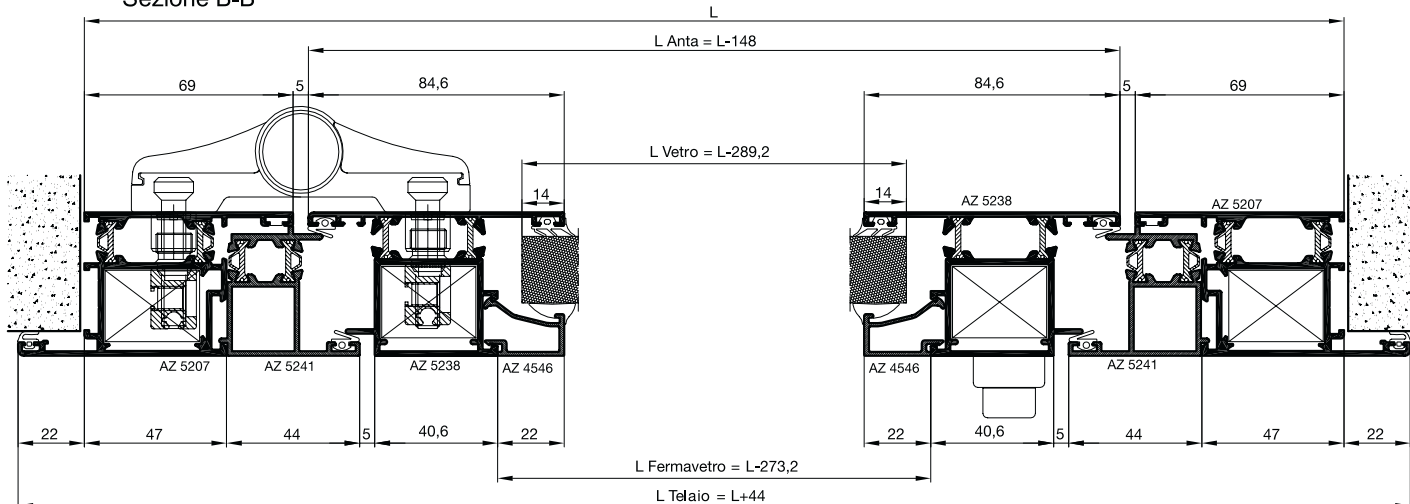
Sezione A-A'



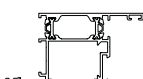
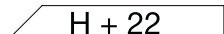
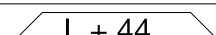
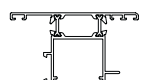
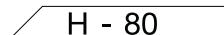
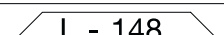

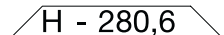
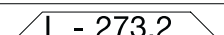

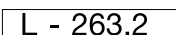



CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml $6,7 \times L$	
Profili Vert.	Kg/ml $7,9 \times H$	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L - 289,2	H - 296,6	1




Sezione B-B'



DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5207		TELAIO Z	 H + 22	2
			 L + 44	1
AZ 5238		ANTA	 H - 80	2
			 L - 148	1
AZ 4546		FERMAVETRO	 H - 280,6	2
			 L - 273,2	2
AZ 5218		ZOCCOLO	 L - 263,2	2
AZ 5241		INVERSIONE DI BATTUTA	 H - 47	2
			 L - 94	1

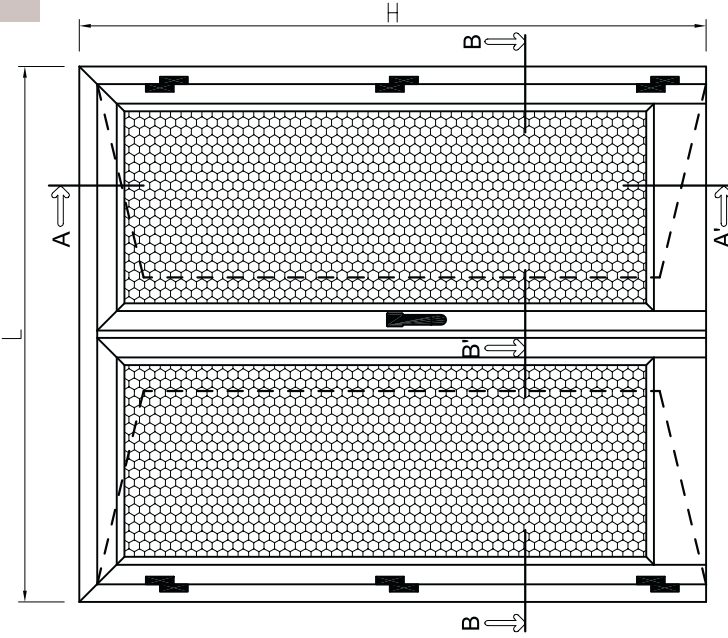
GUARNIZIONI

	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 2H
	Rg 312	G. ESTERNA VETRO	2L + 2H
	Rg 401	G. DI BATTUTA	2L + 4H
	Rg 402	G. BATTUTA A MURO	L + 2H

ACCESSORI

ART.	DESCRIZIONE	N° P.zzi
Ra 1707 Ra 1708	SQUADRETTA INTERNA PER TELAIO E ANTA	4
Ra 1404	REGOLATORE A MURO	8
Ra 1726 Ra 1727	CERNIERA A 2 ALI INT. 84 mm CERNIERA A 3 ALI INT. 84 mm	2
Ra 2318	BOCCOLE TELESCOPICHE	4
Ra 2327 Ra 2328	KIT DI TENUTA SOTTOZOCCOLO 1 o 2	L

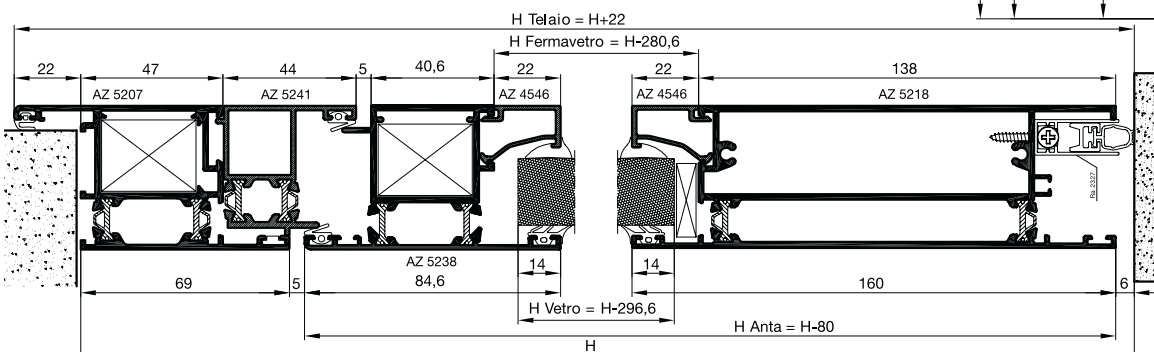
PER GLI ACCESSORI DI CHIUSURA
CONSULTARE LA TABELLA SERRATURE



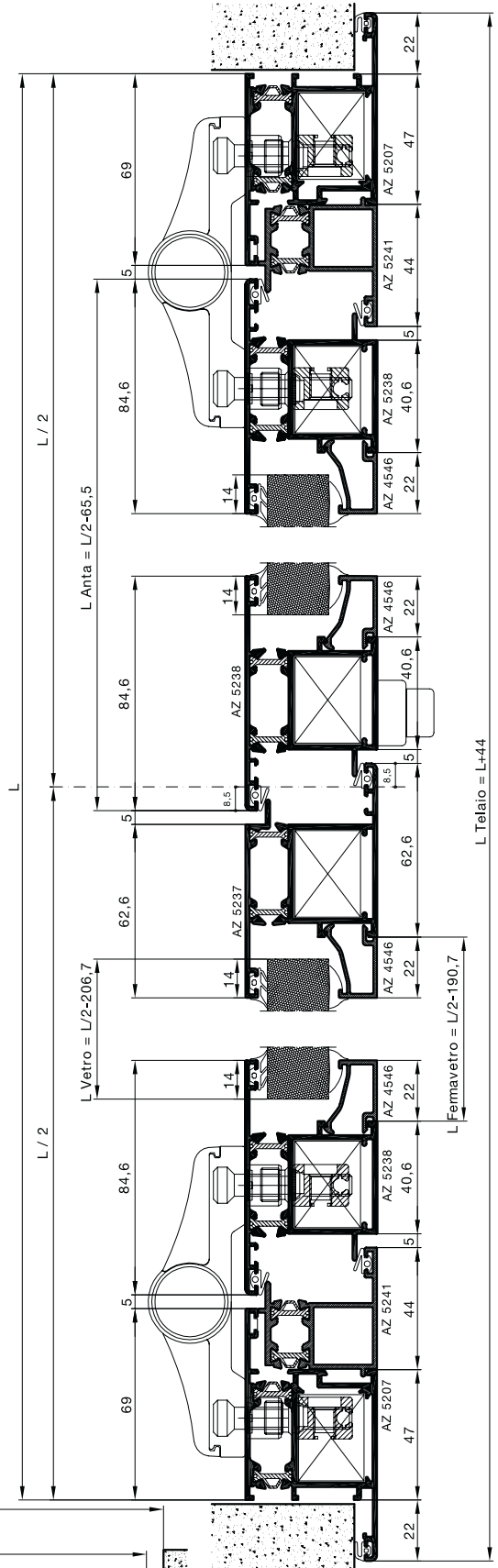
CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml <u>6,7</u> x L	
Profili Vert.	Kg/ml <u>11</u> x H	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L/2 - 206,7	H - 296,6	2

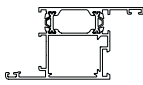
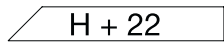
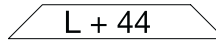
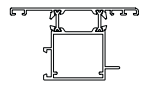
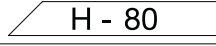
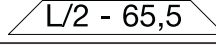
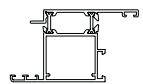
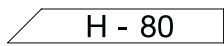

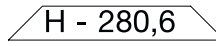
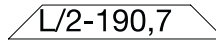
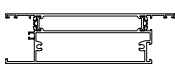
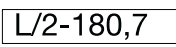

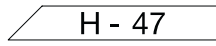
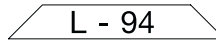
Sezione A-A'







Sezione B-B'-B



DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5207		TELAIO Z		2
				1
AZ 5238		ANTA		3
				2
AZ 5237		MONTANTE ANTA INVERSIONE DI BATTUTA		1
AZ 4546		FERMAVETRO		4
				4
AZ 5218		ZOCCOLO		2
AZ 5241		INVERSIONE DI BATTUTA		2
				1

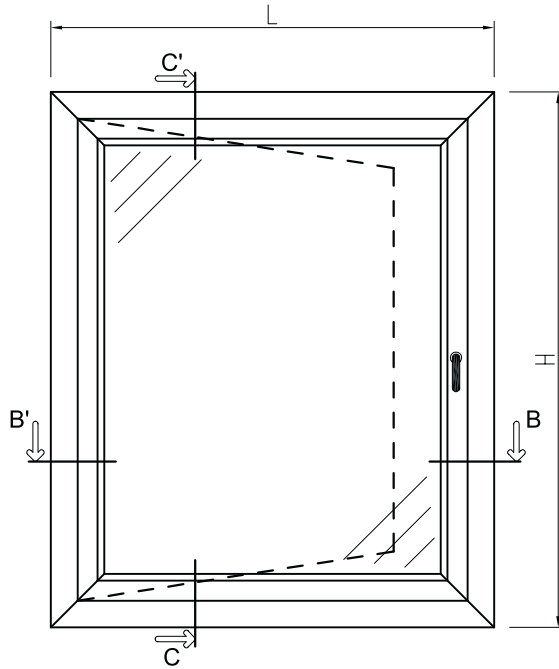
GUARNIZIONI

	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 4H
	Rg 312	G. ESTERNA VETRO	2L + 4H
	Rg 401	G. DI BATTUTA	2L + 6H
	Rg 402	G. BATTUTA A MURO	L + 2H

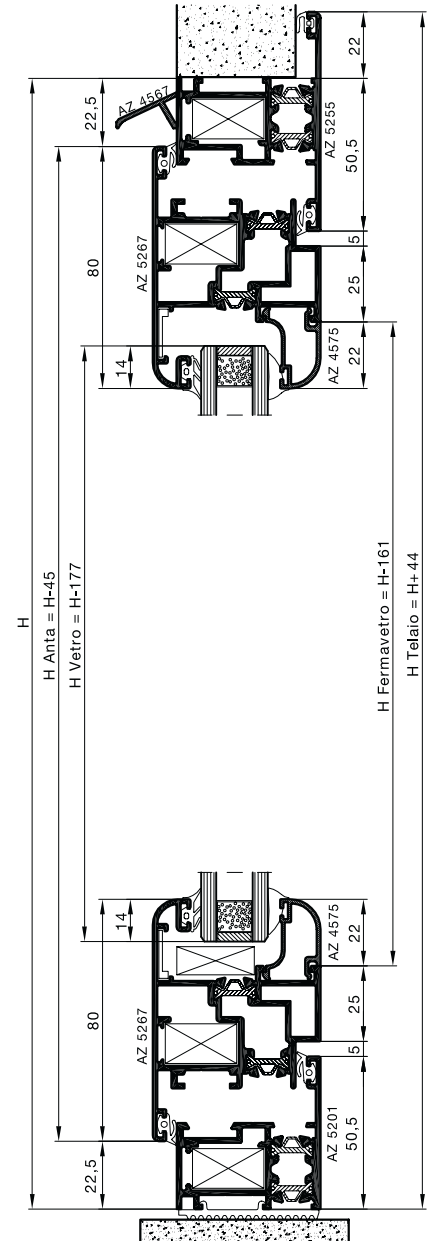
ACCESSORI

ART.	DESCRIZIONE	N° P.zzi
Ra 1707 Ra 1708	SQUADRETTA INTERNA PER TELAIO E ANTA	6
Ra 1404	REGOLATORE A MURO	10
Ra 1726 Ra 1727	CERNIERA A 2 ALI INT. 84 mm CERNIERA A 3 ALI INT. 84 mm	4
Ra 2318	BOCCOLE TELESCOPICHE	8
Ra 1701	TAPPO DI FINITURA PORTE	1
Ra 2323	CATENACCIO TOTEM	2
Ra 2327 Ra 2328	KIT DI TENUTA SOTTOZOCCOLO 1 o 2	L

PER GLI ACCESSORI DI CHIUSURA
CONSULTARE LA TABELLA SERRATURE



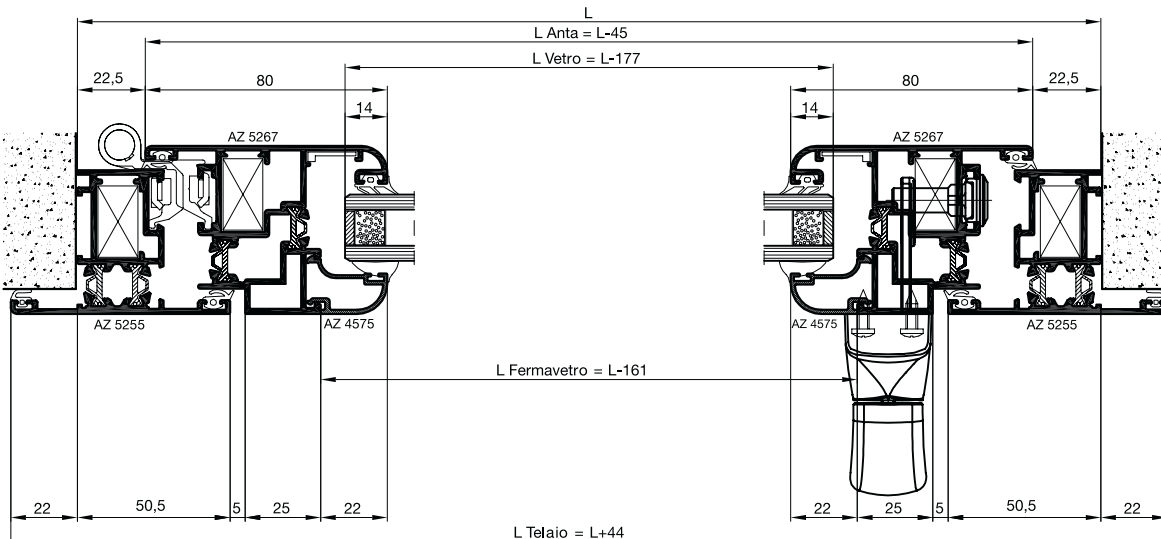
Sezione C-C'




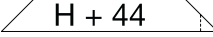
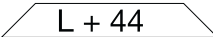


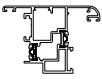
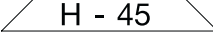
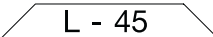

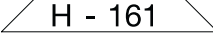
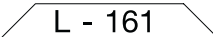

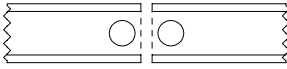

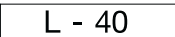
CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml $6,3 \times L$	
Profili Vert.	Kg/ml $6,5 \times H$	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L - 177	H - 177	1

Sezione B-B'



DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5255		TELAIO T	 H + 44	2
			 L + 44	1
AZ 5201		TELAIO L	 L	1
AZ 5267		ANTA	 H - 45	2
			 L - 45	2
AZ 4575		FERMAVETRO	 H - 161	2
			 L - 161	2
AZ 2035		ASTINA DI COMANDO		1
AZ 4567		GOCCIOLATOIO	 L - 40	1

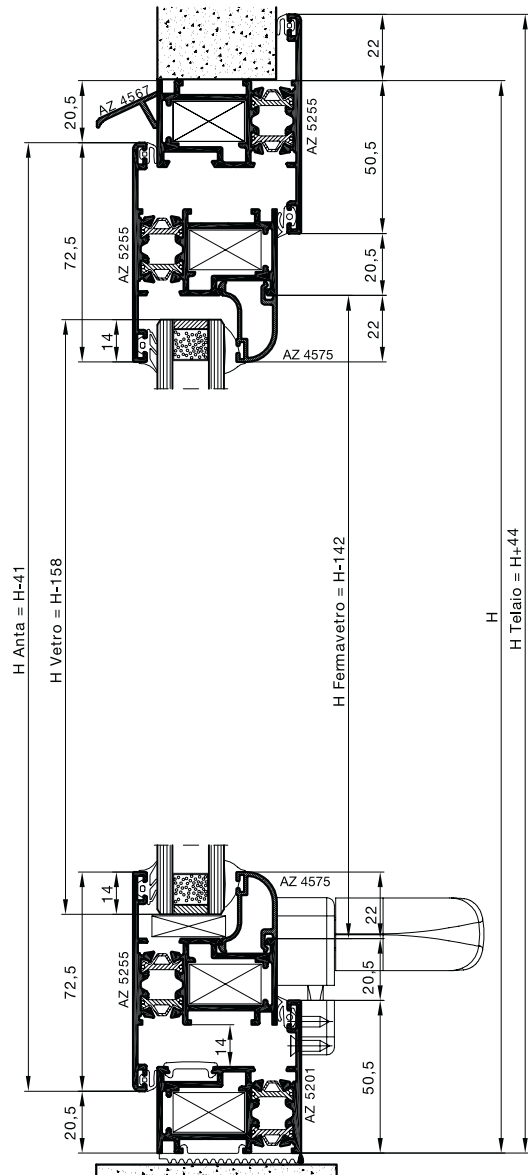
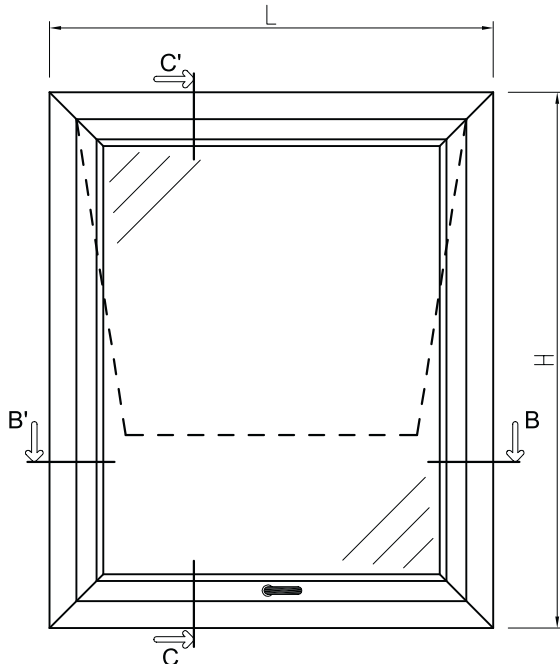
GUARNIZIONI

	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 2H
	Rg 312	G. ESTERNA VETRO	2L + 2H
	Rg 303	G. DI BATTUTA	4L + 4H
	Rg 402	G. BATTUTA A MURO	L + 2H
	Rg 323	G. ISOLAMENTO SOGLIA	1L

ACCESSORI

ART.	DESCRIZIONE	N° P.zzi
Ra 1705 Ra 1706	SQUADRETTA INTERNA PER TELAIIO E ANTA	8
Ra 1704	SQUADRETTA ALLINEAMENTO ANTA	4
Ra 1404	REGOLATORE A MURO	8
Ra 2601	BOCCOLA SCARICO ACQUA	2
Ra 1427	CERNIERA FLASH BASE	2
Ra 1031	CREMONESE UNICA	1
Ra 1731	KIT PER APERTURA ESTERNA	1
Ra 1732	TRAINO ASTINA	2
Ra 1453	RINVIO AD ANGOLO	2
Ra 2918	NOTTOLINO REGISTRABILE	4
Ra 2907	INCONTRO DI CHIUSURA PER Ra 2918	4

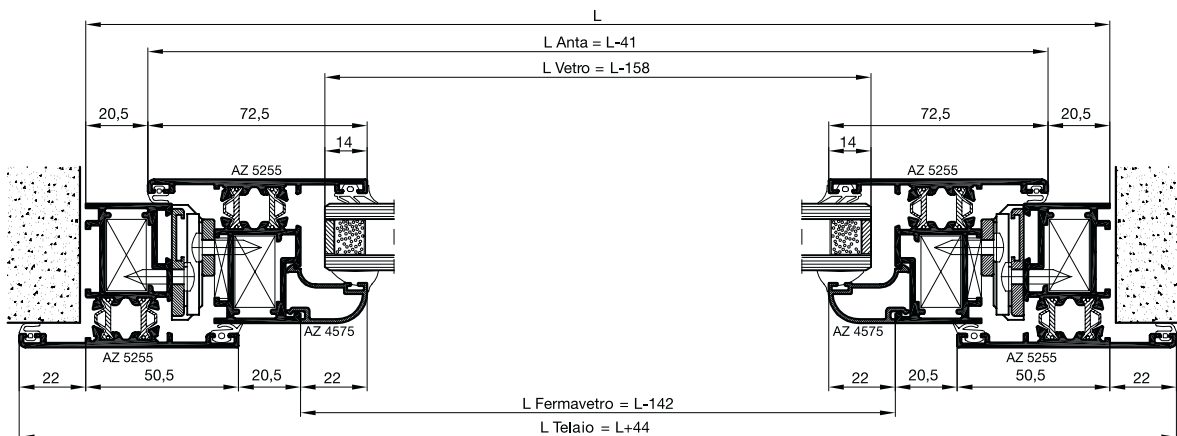
Sezione C-C'




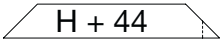
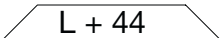



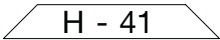
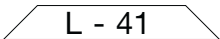

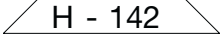
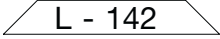

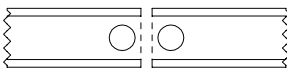

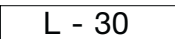
CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml 5,8 x L	
Profili Vert.	Kg/ml 5,9 x H	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L - 158	H - 158	1






Sezione B-B'



DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5255		TELAIO T		2
				1
AZ 5201		TELAIO L		1
AZ 5255		ANTA		2
				2
AZ 4575		FERMAVETRO		2
				2
AZ 2035		ASTINA DI COMANDO		1
AZ 4567		GOCCIOLATOIO		1

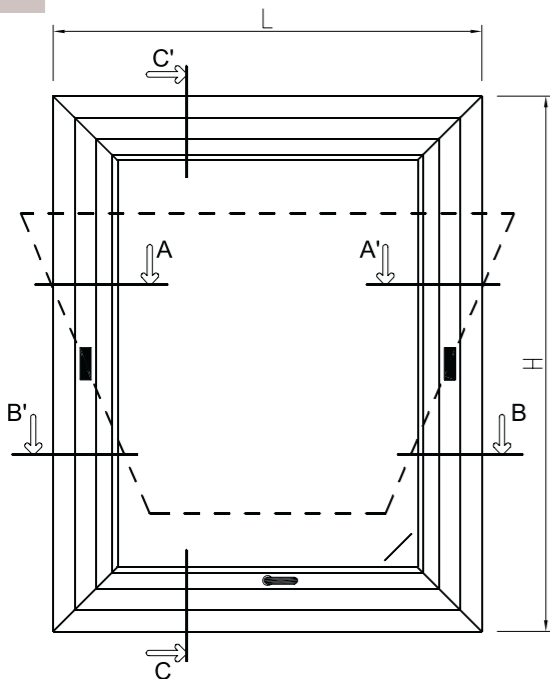
GUARNIZIONI

	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 2H
	Rg 312	G. ESTERNA VETRO	2L + 2H
	Rg 303	G. DI BATTUTA INTERNA	2L + 2H
	Rg 402	G. BATTUTA INTERNA E A MURO	3L + 4H
	Rg 323	G. ISOLAMENTO SOGLIA	1L

ACCESSORI

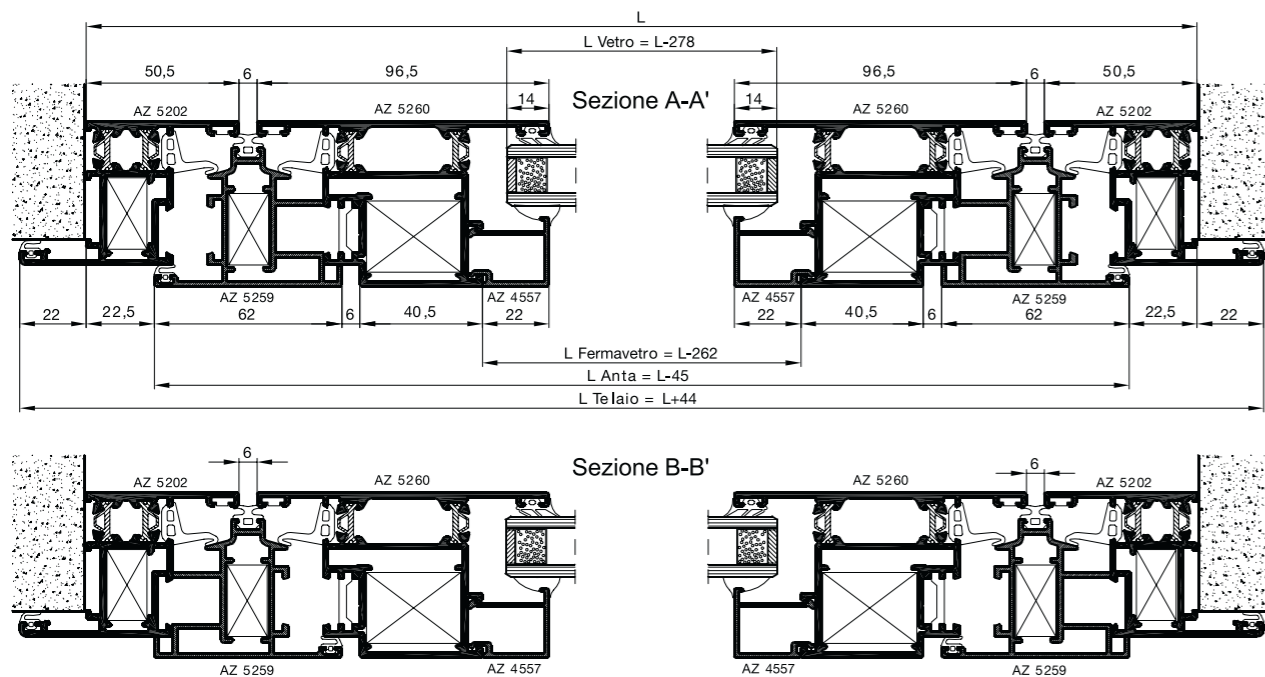
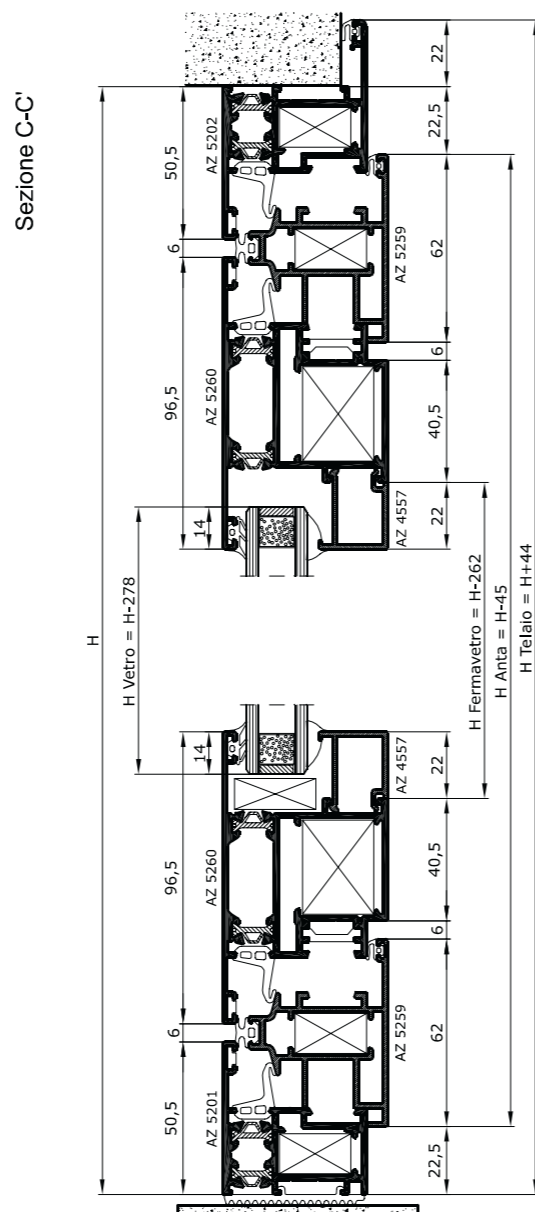
ART.	DESCRIZIONE	N° P.zzi
Ra 1705 Ra 1706	SQUADRETTA INTERNA PER TELAIO E ANTA	8
Ra 1404	REGOLATORE A MURO	10
Ra 2601	BOCCOLA SCARICO ACQUA	2
Ra 1729	BRACCIO PER SPORGERE	1
Ra 1730	MANIGLIA A TAVELLINO	1

FINESTRA A BILICO
- anta con fermavetro -



CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml 8,2 x L	
Profili Vert.	Kg/ml 8,3 x H	
TOTALE		

DISTINTA TAGLIO VETRI			
Posizione	l	h	Q.tà
	L - 278	H - 278	1



DISTINTA TAGLIO PROFILI				
ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5202		TELAIOZ		2
				1
AZ 5201		TELAIO L		1
AZ 5260		ANTA		2
				2
AZ 5259		INVERSIONE DI BATTUTA		2
				2
AZ 4557		FERMAVETRO		2
				2
AZ 2035		ASTINA DI COMANDO		1

GUARNIZIONI			
	ART.	DESCRIZIONE	N° P.zzi
	Rg 308	G. INTERNA VETRO	2L + 2H
	Rg 312	G. ESTERNA VETRO	2L + 2H
	Rg 356	G. PERIMETRALE BILICO	2L + 2H
	Rg 330	G. CENTRALE DI TENUTA	4L + 4H
	Rg 402	G. BATTUTA INTERNA E A MURO	3L + 4H
	Ra 1703	ANGOLO VULCANIZZATO	4
	Rg 323	G. ISOLAMENTO SOGLIA	1L

ACCESSORI		
ART.	DESCRIZIONE	N° P.zzi
Ra 1702	SQUADRETTA DI ALLINEAMENTO TELAIO	4
Ra 1705	SQUADRETTA INTERNA TELAIO E INVERSIONE DI BATTUTA	8
Ra 1706		
Ra 1707	SQUADRETTA ANTA INTERNA	4
Ra 1708		
Ra 1702	SQUADRETTA DI ALLINEAMENTO ANTA	4
Ra 1404	REGOLATORE A MURO	8
Ra 1033	CAPPETTA DI DRENAGGIO	2

ACCESSORI BILICO		
ART.	DESCRIZIONE	N° P.zzi
Ra 1736	FRIZIONE	1cp.
Ra 1434	COMANDO INTERNO BIDIREZIONALE	1
Ra 2916	MARTELLINA PRIMA	1
Ra 2918	NOTTOLINO DI CHIUSURA	4
Ra 2907	INCONTRO DI CHIUSURA	4
Ra 1453	RINVIO D'ANGOLO	2
Ra 1446	PERNI DI COLLEGAMENTO	6

In alternativa alla chiusura con martellina è possibile utilizzare la maniglia tavellino Ra 1439

GUARNIZIONI

ART.	DESCRIZIONE	N° P.zzi
Rg 308	G. INTERNA VETRO	2L + 4H
Rg 312	G. ESTERNA VETRO	2L + 4H
Rg 330	G. CENTRALE DI TENUTA	2L + 3H
Rg 402	G. BATTUTA INTERNA	2L + 3H
48x1200	G. A SPAZZOLINO mm5x11	L
48x900	G. A SPAZZOLINO mm5x11	4H
Ra 1703	ANGOLO VULCANIZZATO	4
Rg 323	G. ISOLAMENTO SOGLIA	L

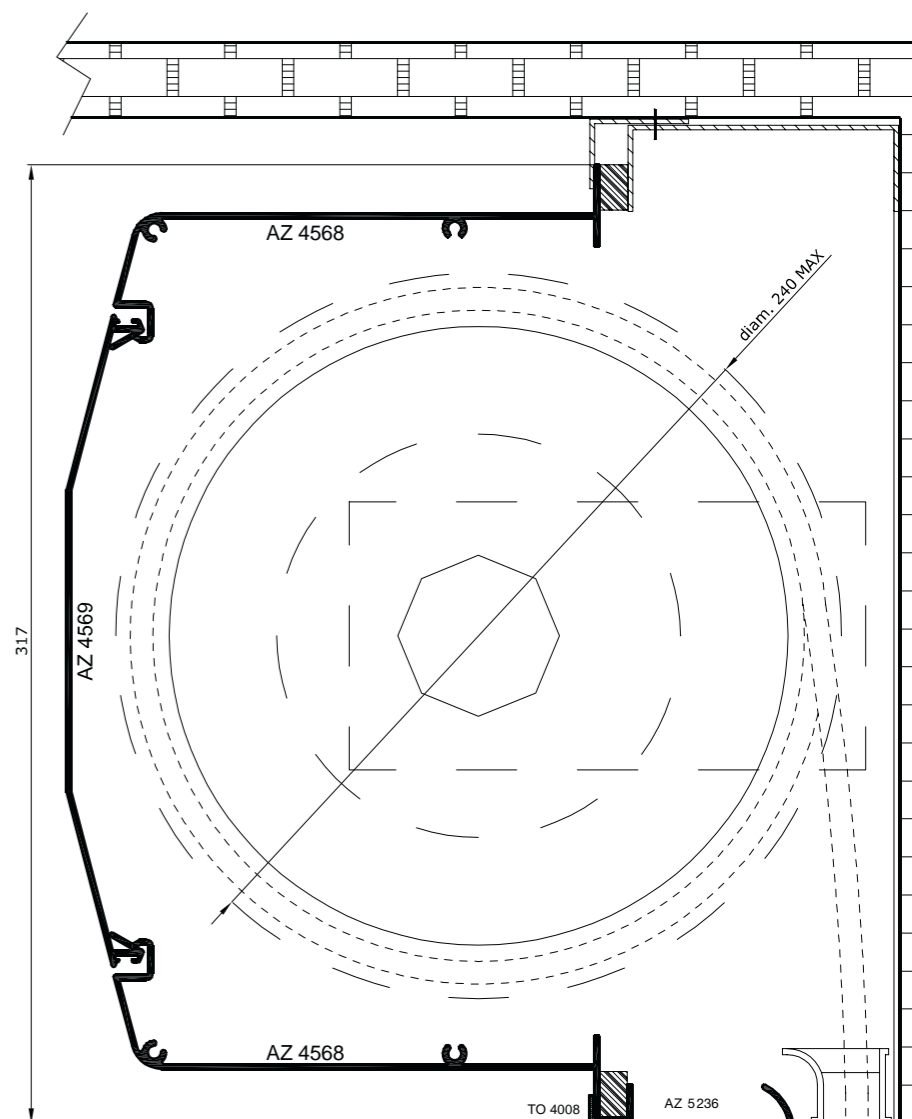
ACCESSORI PER MONOBLOCCO

ART.	DESCRIZIONE	N° P.zzi
Ra 1036	PASSACINTINO	1
Ra 1058	TAPPO RACCOGLI CONDENSA	1CP.
Ra 1073	TAPPI CASSONETTO UNIPROFIL	1CP.
Ra 1419	INVITI PER GUIDA	1CP.
Ra 1476	KIT DI MOVIMENTAZIONE PER TAPPARELLA TIPO SIMBAC	1

N.B.=IL KIT DI MOVIMENTAZIONE COMPRENDE
-1 AVVOLGITORE
-1 PULEGGIA
-1 CALOTTA
-2 SUPPORTI CON CUSCINETTO

DISTINTA TAGLIO PROFILI

ARTICOLO	PROFILO	DESCRIZIONE	TAGLIO	Nr. Pezzi
AZ 5236		TRAVERSO SUPERIORE	L - 182	1
AZ 5235		SPALLA MONOBLOCCO	H	2
AZ 5264		TRAVERSO INFERIORE	L - 182	1
AZ 5217		ANTA	H - 44	4
			L/2 - 92,5	4
AZ 5203		RIPORTO CENTRALE	H - 110	1
AZ 4569		CASSONETTO CENTRALE	H - 7	1
AZ 4568		CASSONETTO INF. e SUP.	H - 7	2
TO 4008		ANGOLARE DI SOSTEGNO	H	1
AZ 4567		GOCCIOLATOIO	L/2 - 158,5	2
AZ 2047		COPRIFILO MONOBLOCCO	H	2
AZ 2035		ASTINA DI COMANDO		1



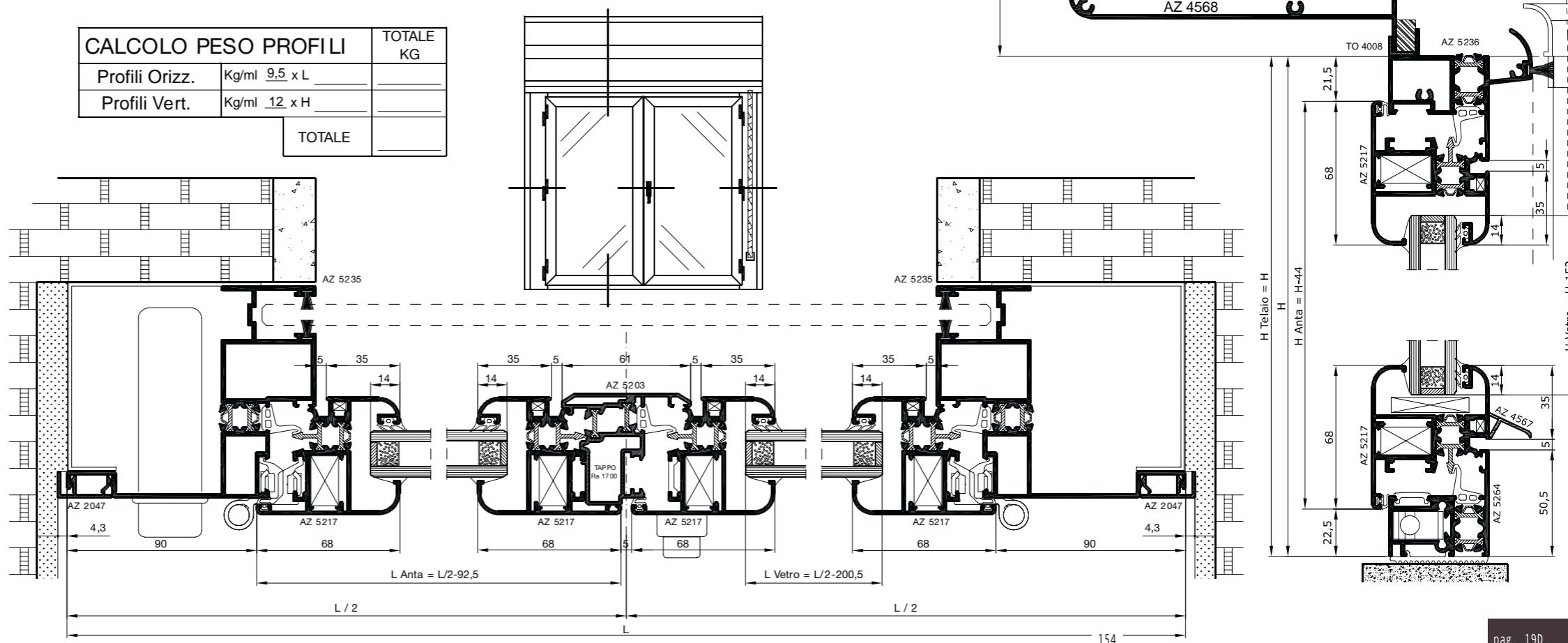
DISTINTA TAGLIO VETRI

Posizione	l	h	Q.tà
	L/2 - 200,5	H - 152	2

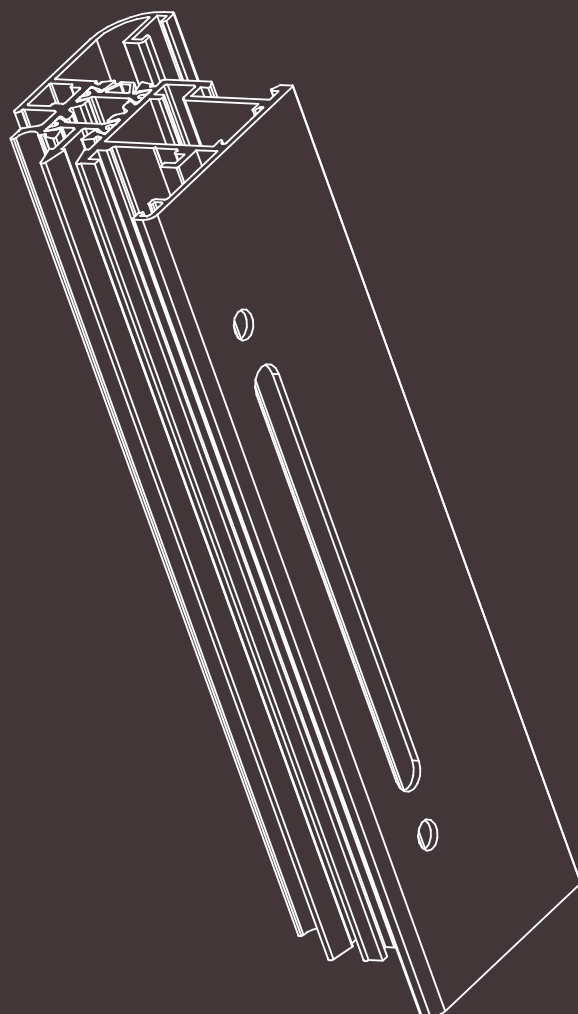
CALCOLO PESO PROFILI		TOTALE KG
Profili Orizz.	Kg/ml 9,5 x L	
Profili Vert.	Kg/ml 12 x H	
TOTALE		

ACCESSORI ANTA BATTENTE

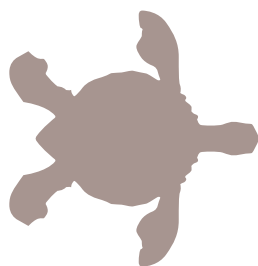
ART.	DESCRIZIONE	N° P.zzi
Ra 1427	CERNIERA FLASH BASE	4
Ra 1056	CREMONESE PRIMA	1
Ra 1447	BLOCCHETTO DI COLLEGAMENTO	1CP.
Ra 1002	TERMINALE DI CHIUSURA	2
Ra 2808	INCONTRO DOPPIO IN ZAMA	2
Ra 1035	CATENACCI GIAP IN NYLON	2
Ra 1700	TAPPO PER RISCONTRO CENTR.	1CP.
Ra 1710	SQUADRETTA ANTA ESTERNA	8
Ra 1705 Ra 1706	SQUADRETTA ANTA	8
Ra 1033	CAPPETTA DI DRENAGGIO	3
Ra 1420	CAVALLOTTI	2



atlantis
serie 55TT

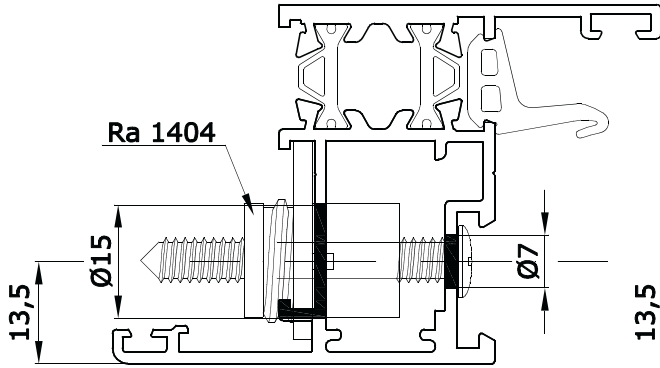


TO.MA. S.p.a.
ESTRUSIONE ALLUMINIO

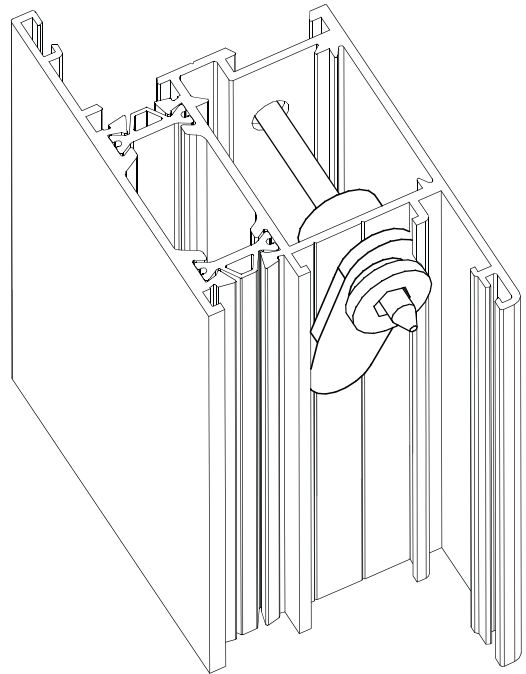
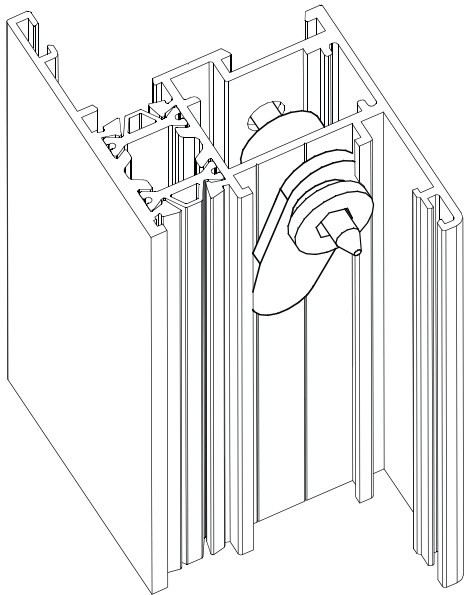
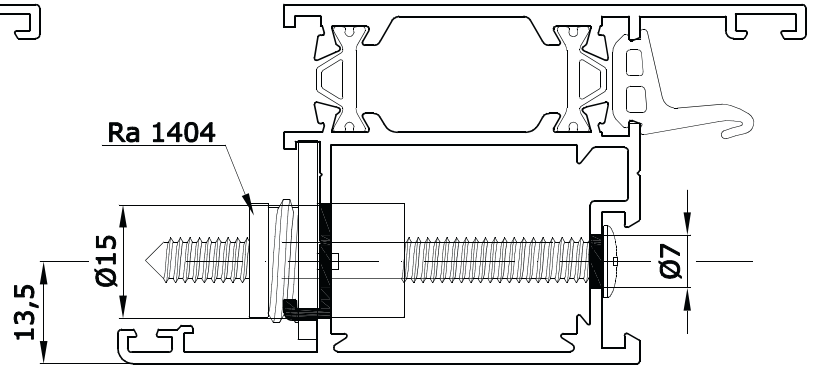


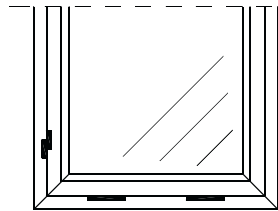
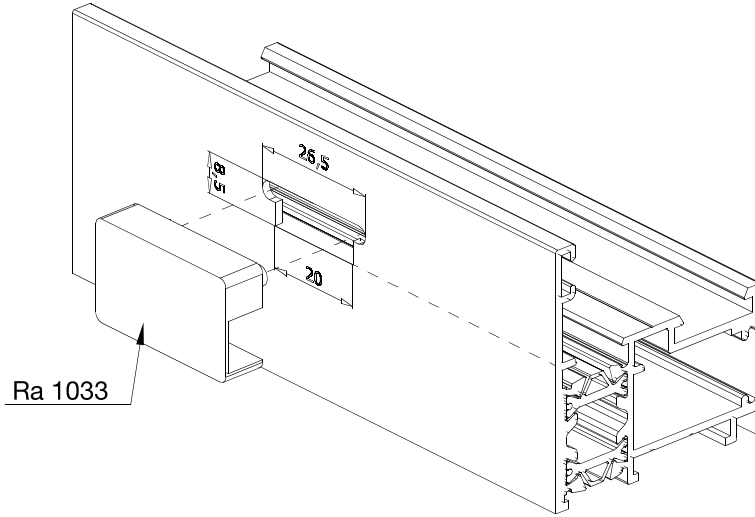


AZ 5202

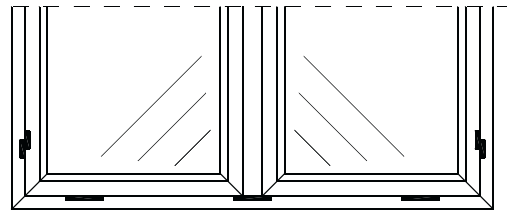


AZ 5207

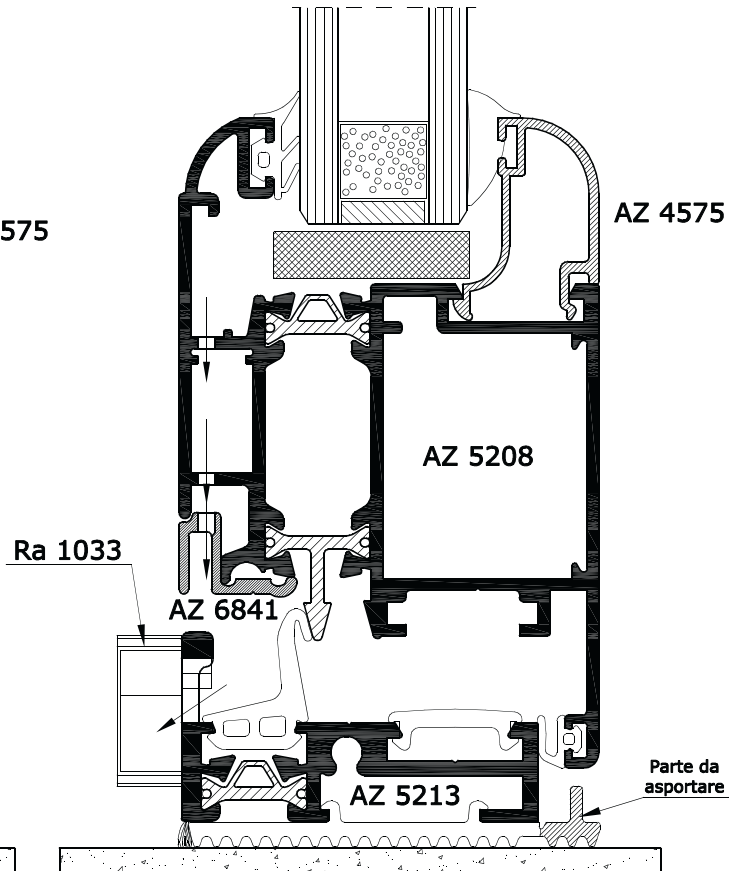
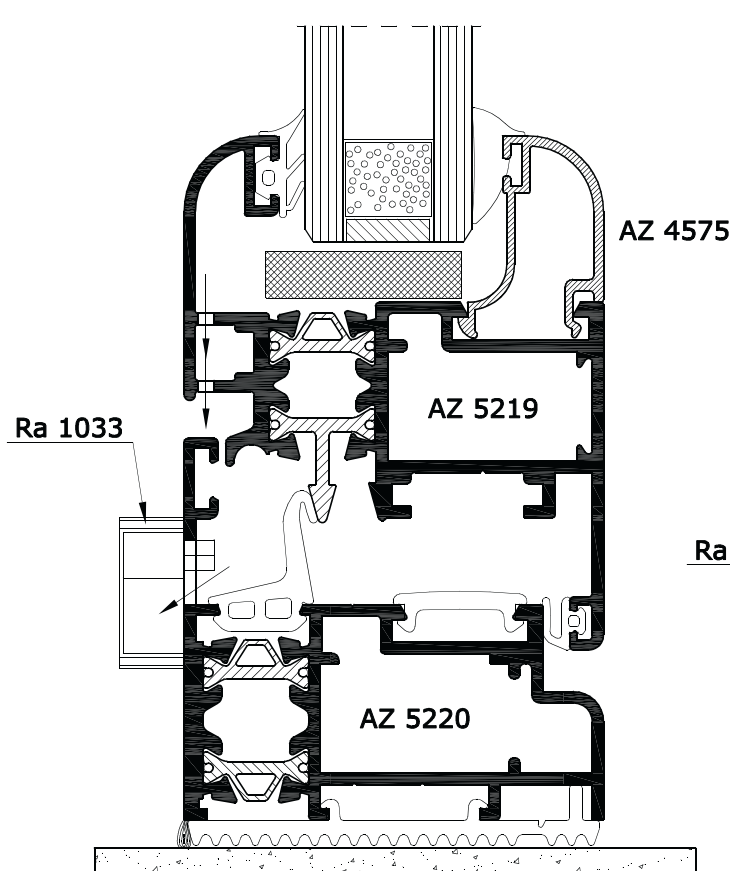


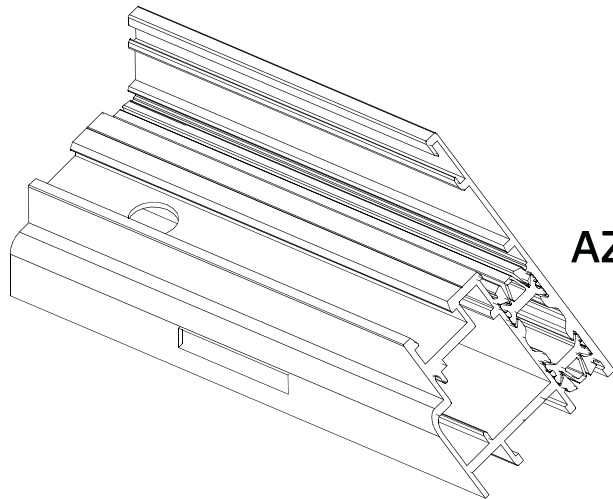
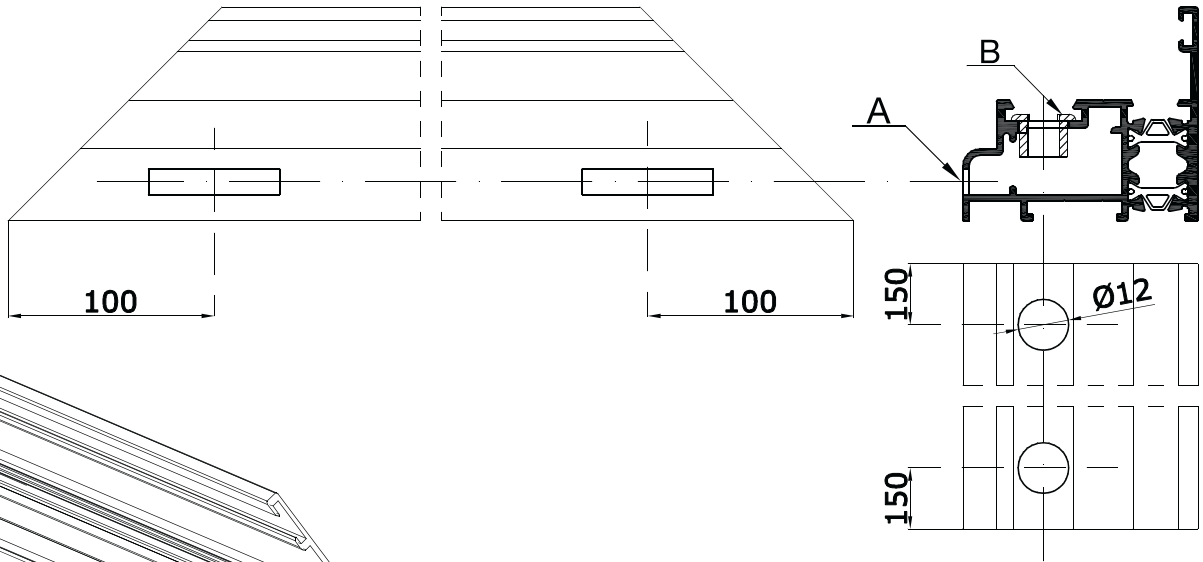


Per telai ad 1 anta
minimo 2 asole



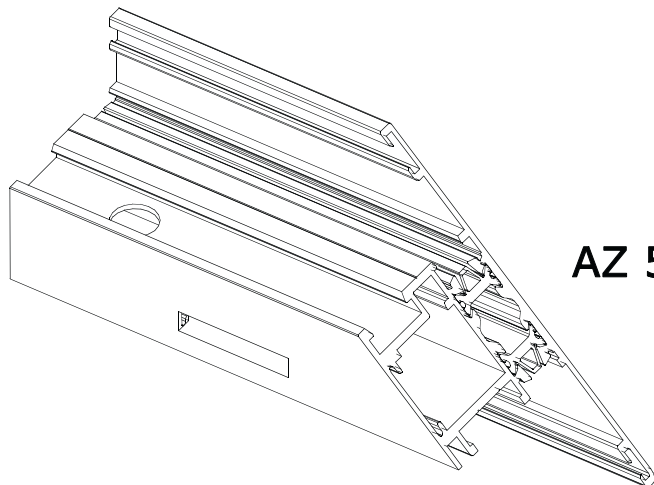
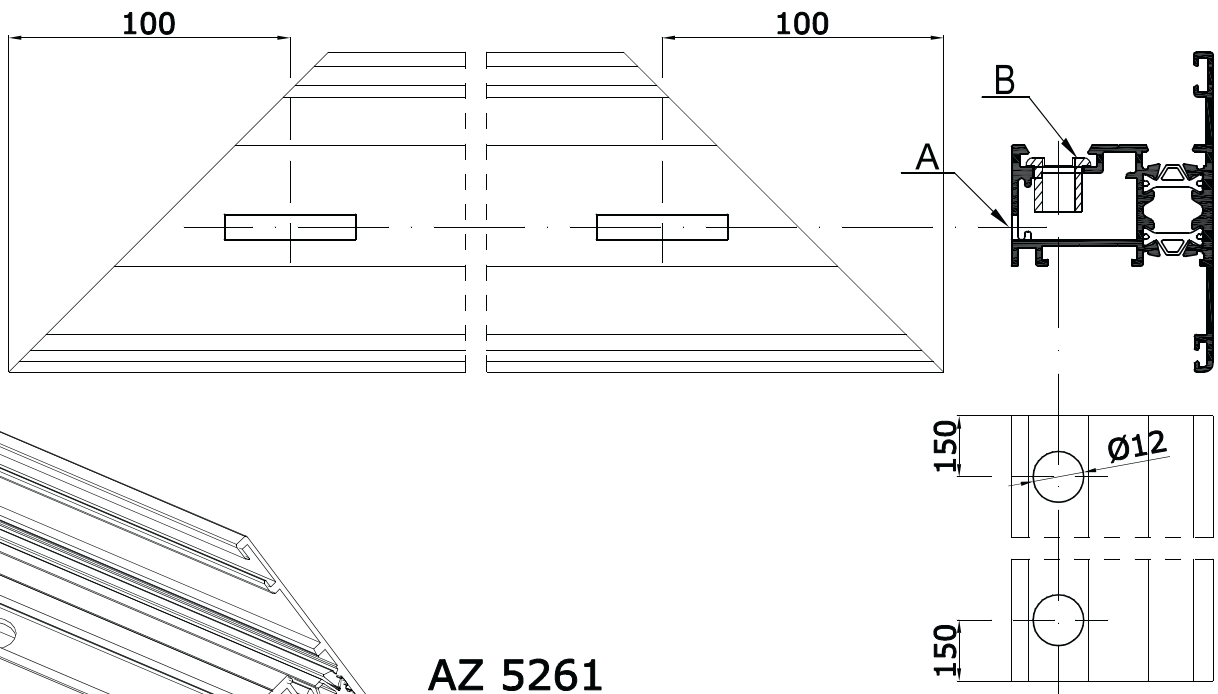
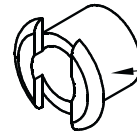
Per telai a 2 ante
minimo 3 asole



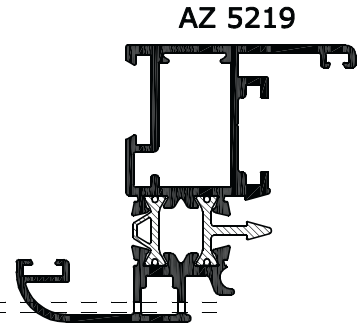
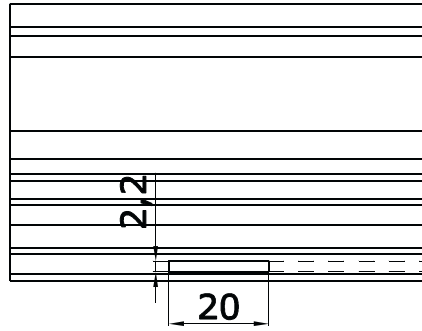
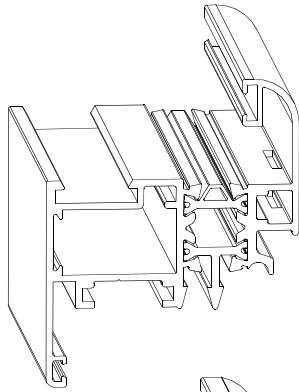


AZ 5220

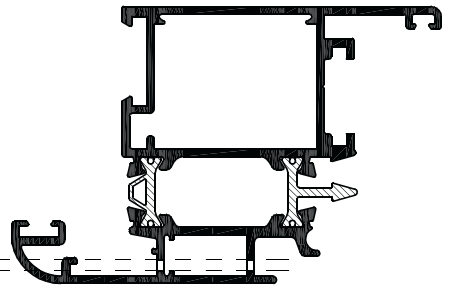
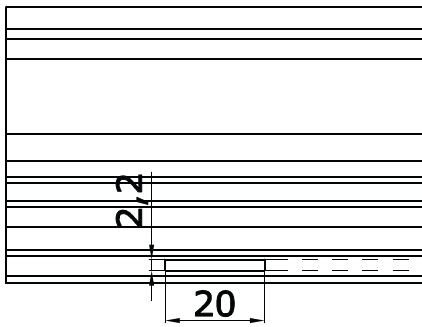
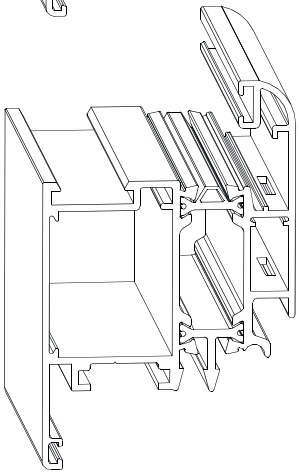
- Ⓐ Asola 31x6 n°2
- Ⓑ Foro Ø12 n°2 per inserimento boccola Ra 2601



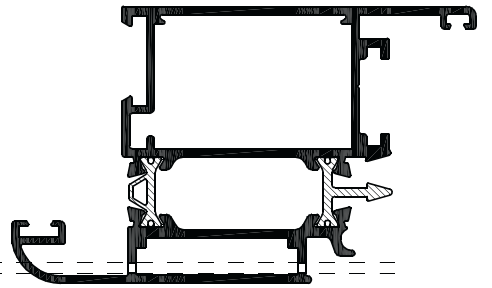
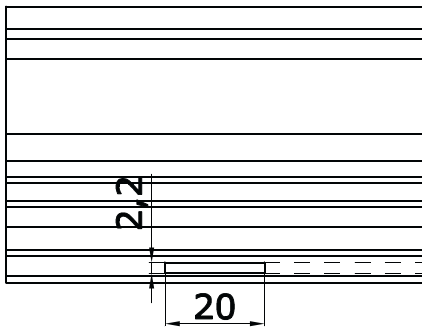
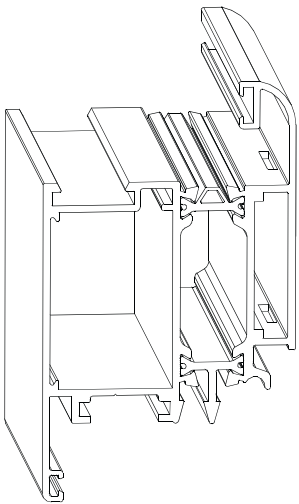
AZ 5261



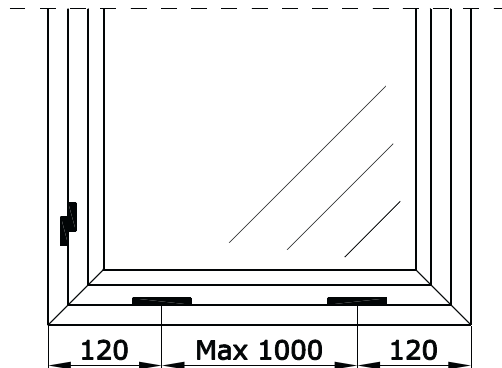
AZ 5219



AZ 5225

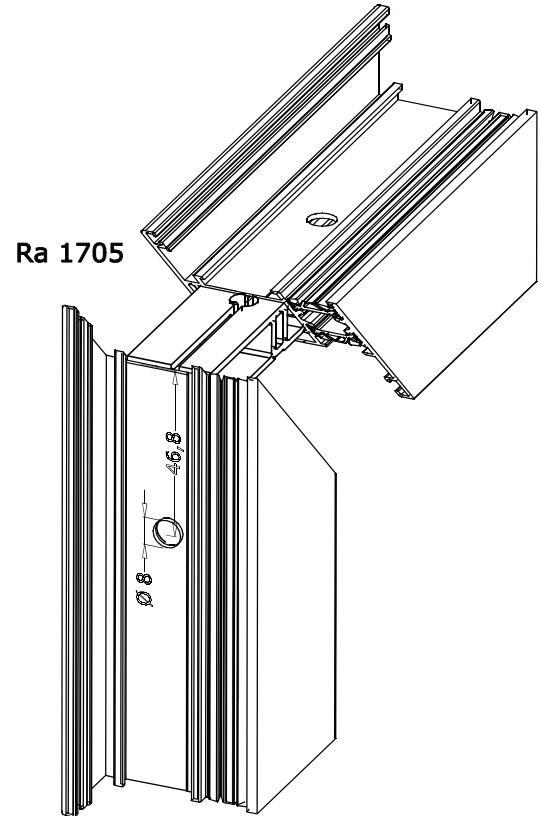
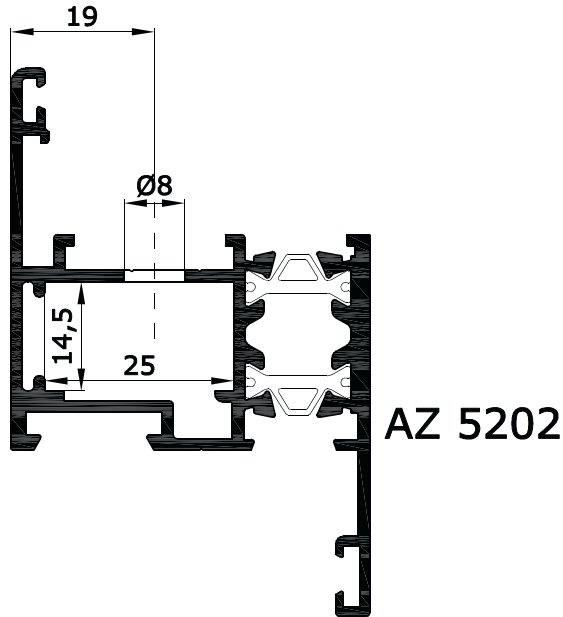


AZ 5247



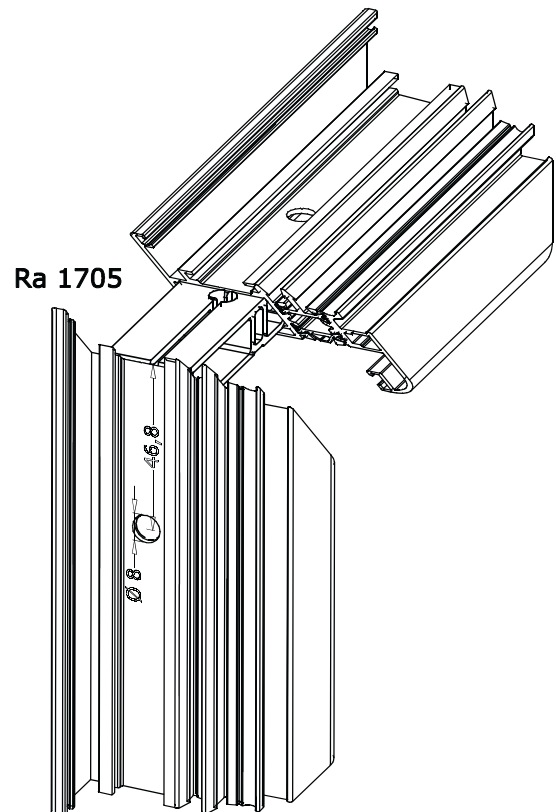
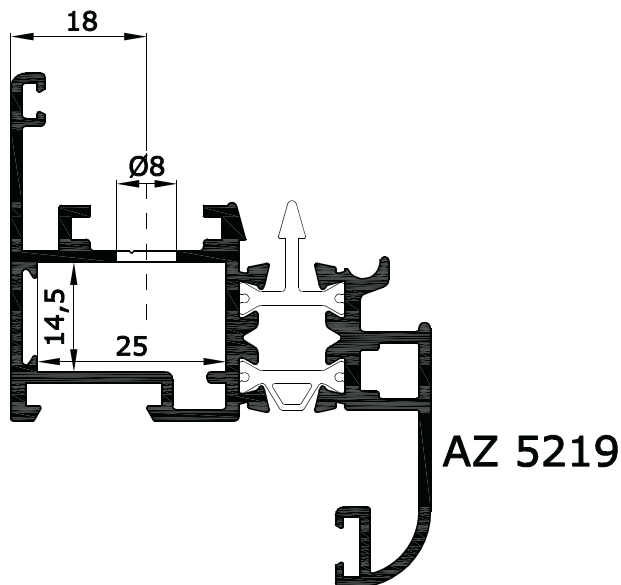
N.B. - Lavorazione eseguita con punzonatrice Ra 1074

Squadretta a spinare
Ra 1705



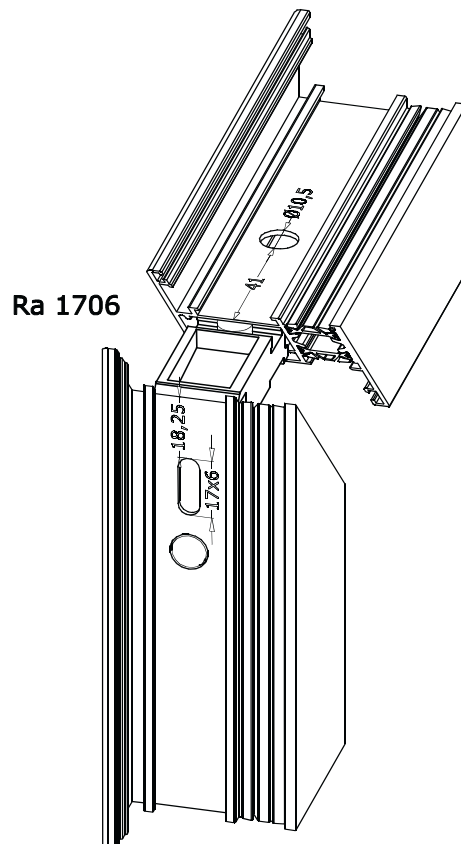
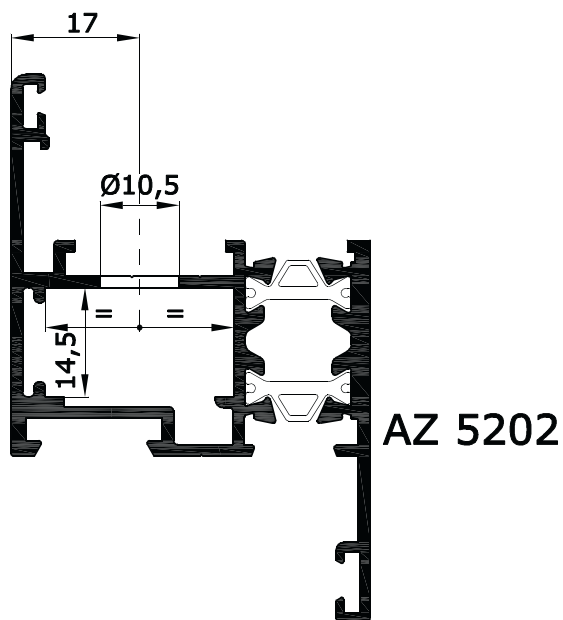
N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Lavorazione eseguita con punzonatrice Ra 1074

Squadretta a spinare
Ra 1705



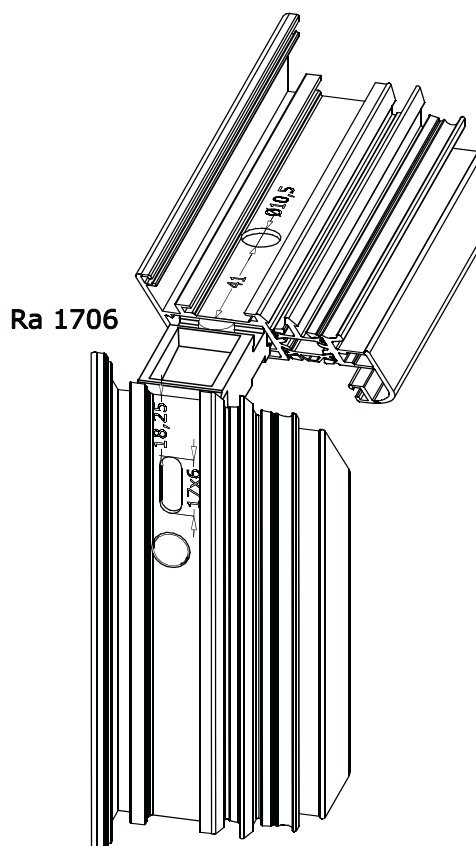
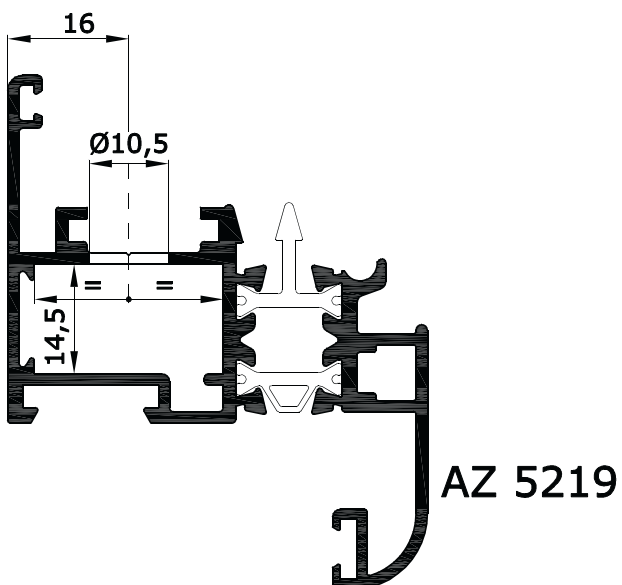
N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Lavorazione eseguita con punzonatrice Ra 1074

Squadretta a tiraggio meccanico Ra 1706



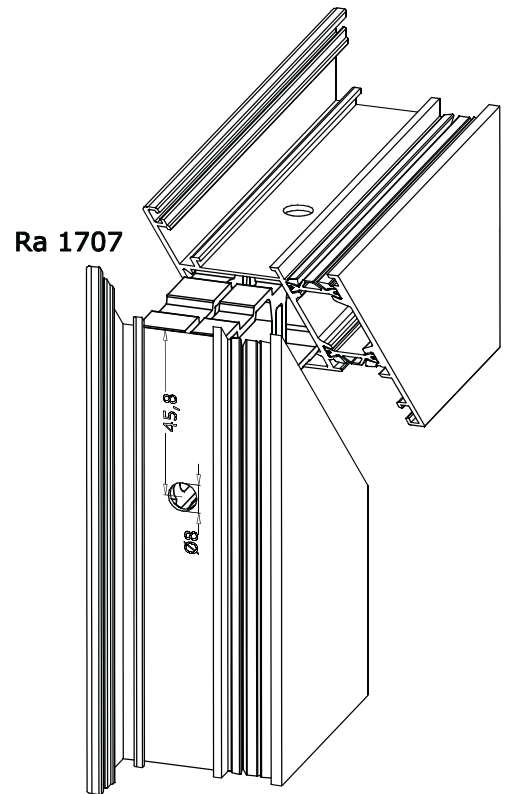
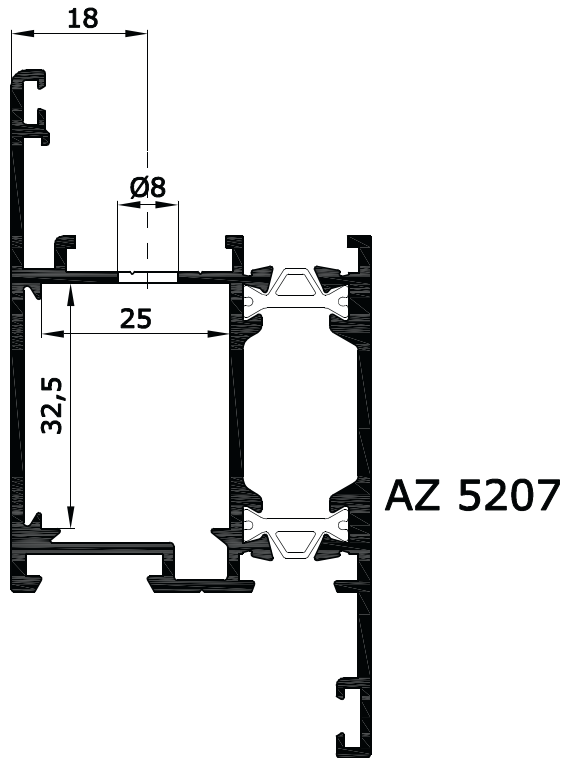
N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Lavorazione eseguita con punzonatrice Ra 1074

Squadretta a tiraggio meccanico Ra 1706



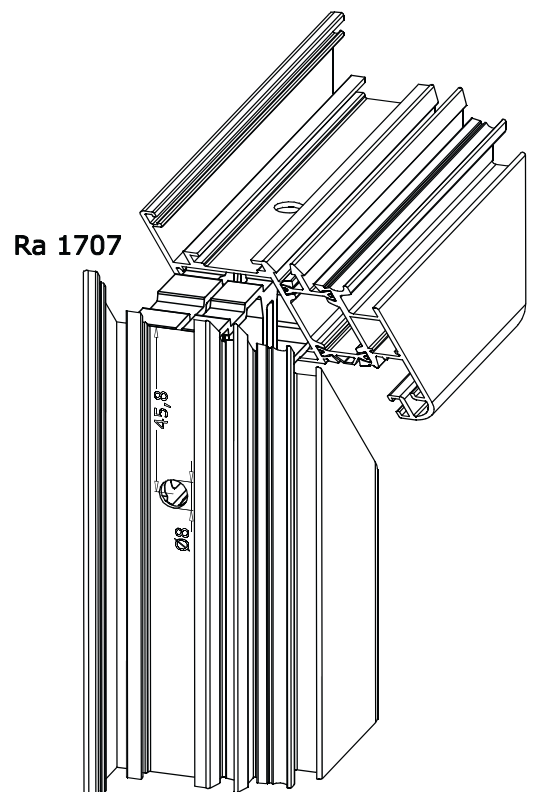
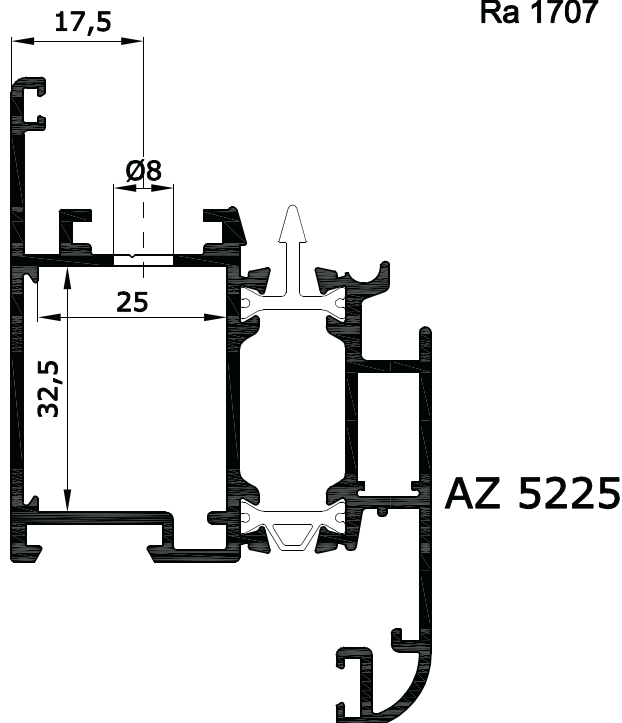
N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Lavorazione eseguita con punzonatrice Ra 1074

Squadretta a spinare
Ra 1707



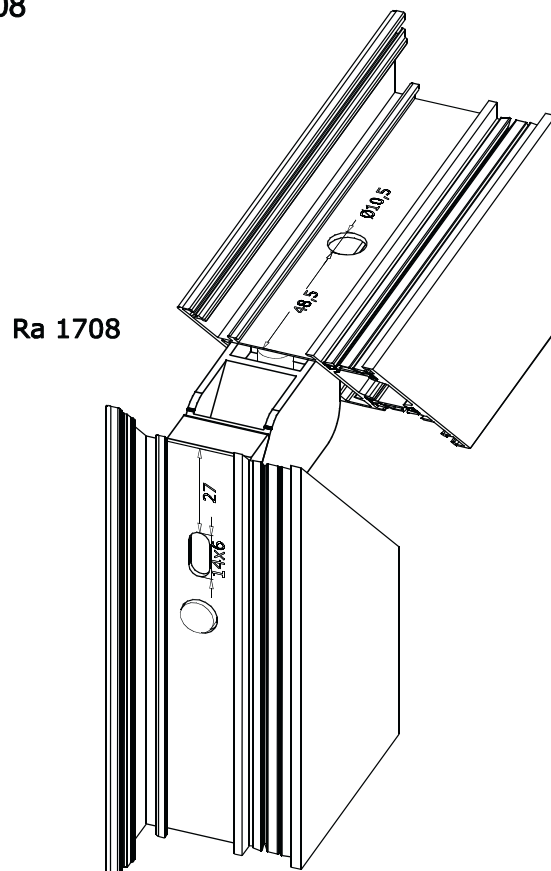
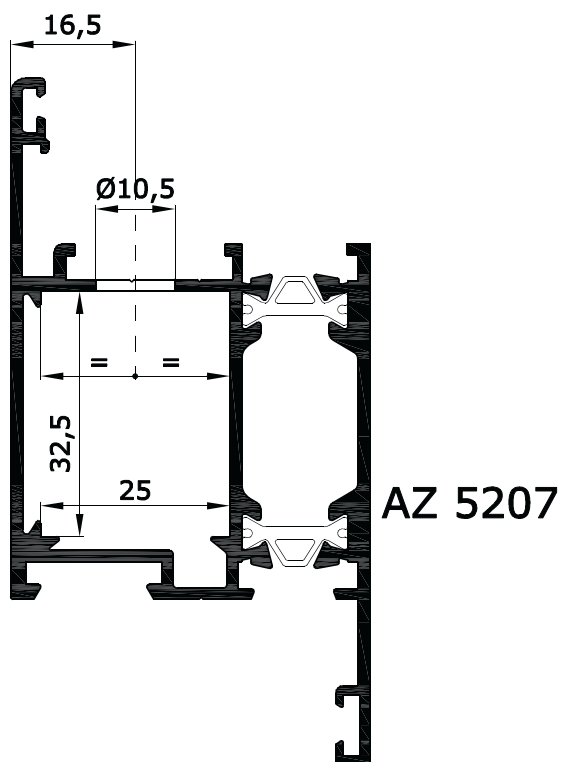
N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Lavorazione eseguita con punzonatrice Ra 1074

Squadretta a spinare
Ra 1707



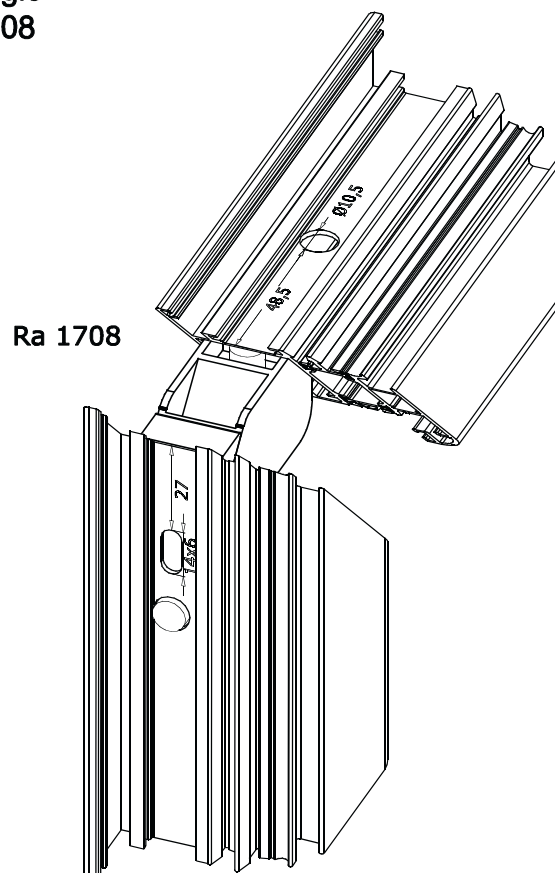
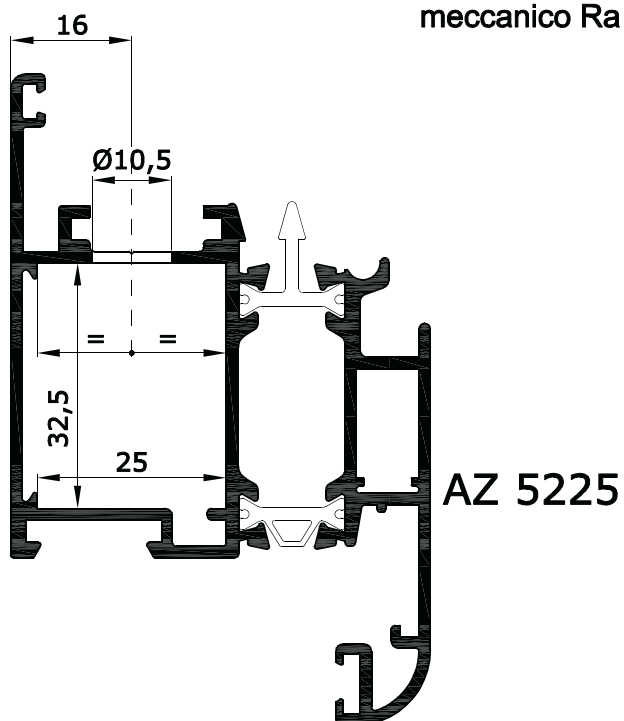
N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Lavorazione eseguita con punzonatrice Ra 1074

Squadretta a tiraggio meccanico Ra 1708



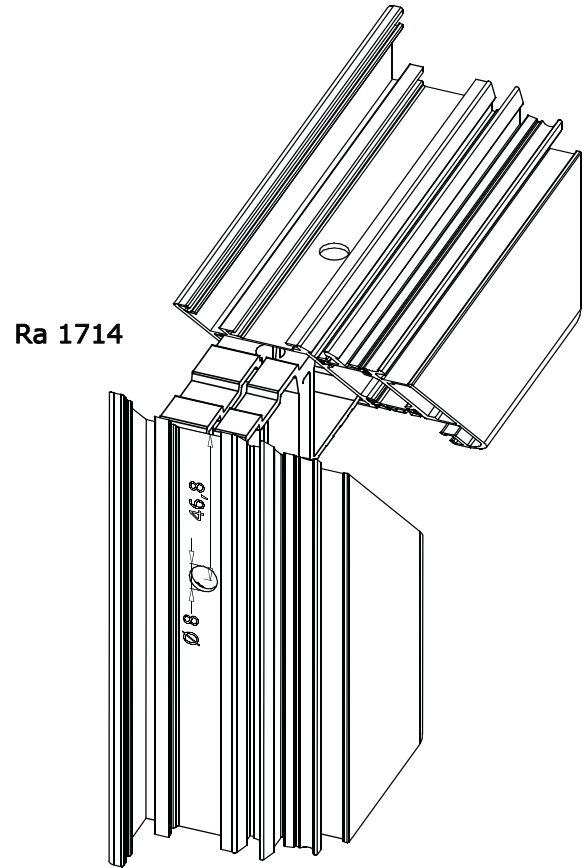
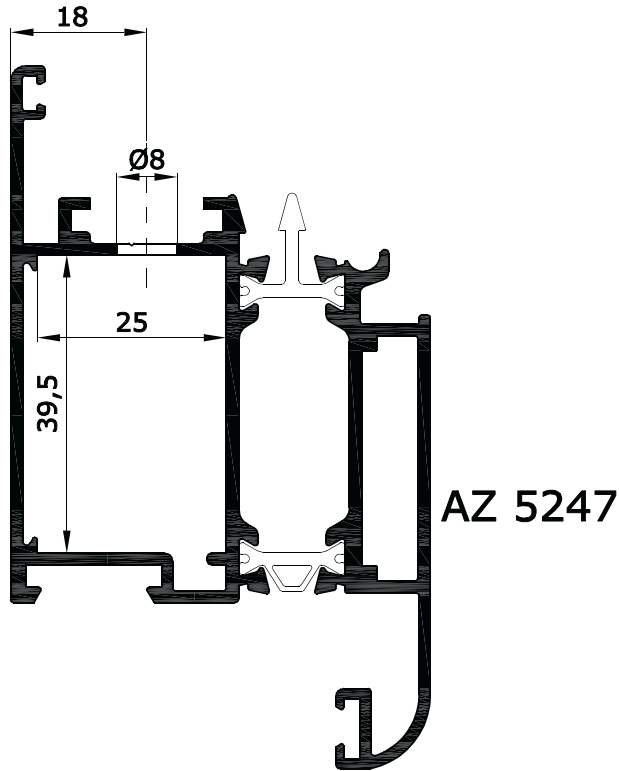
N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Lavorazione eseguita con punzonatrice Ra 1074

Squadretta a tiraggio meccanico Ra 1708



N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Lavorazione eseguita con punzonatrice Ra 1074

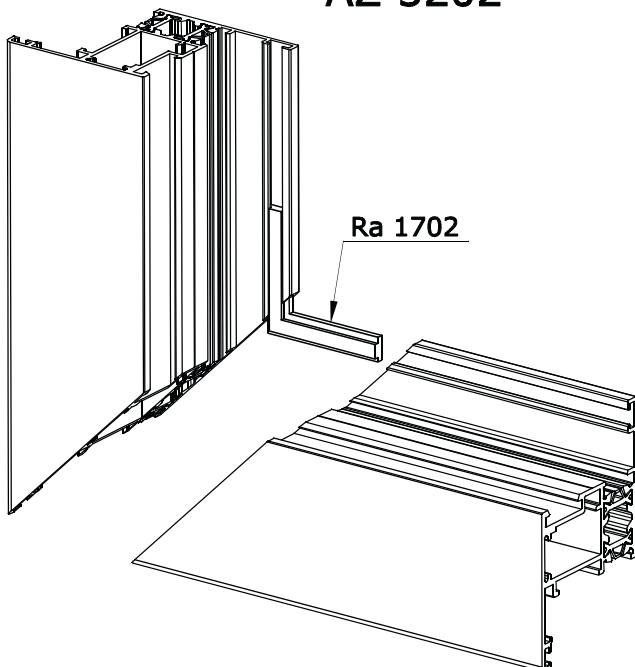
Squadretta a spinare
Ra 1714



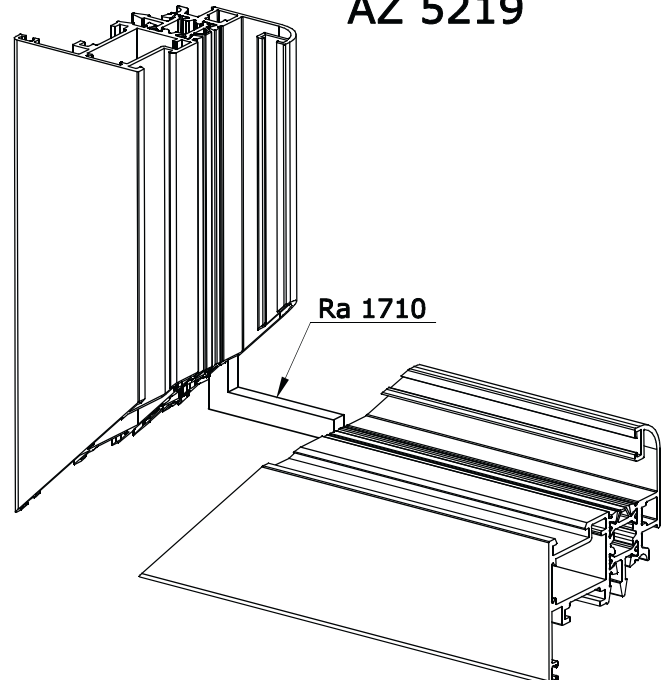
N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Lavorazione eseguita con punzonatrice Ra 1074

Squadrette di allineamento e tenuta

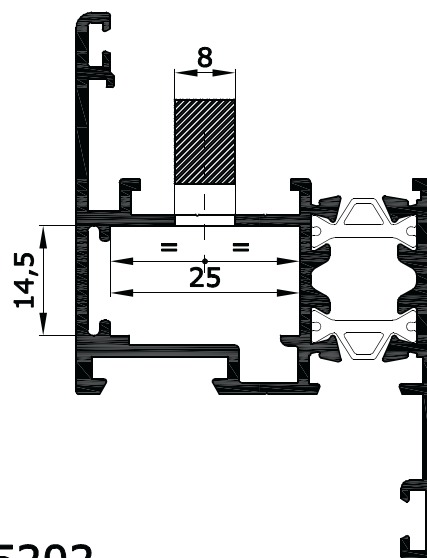
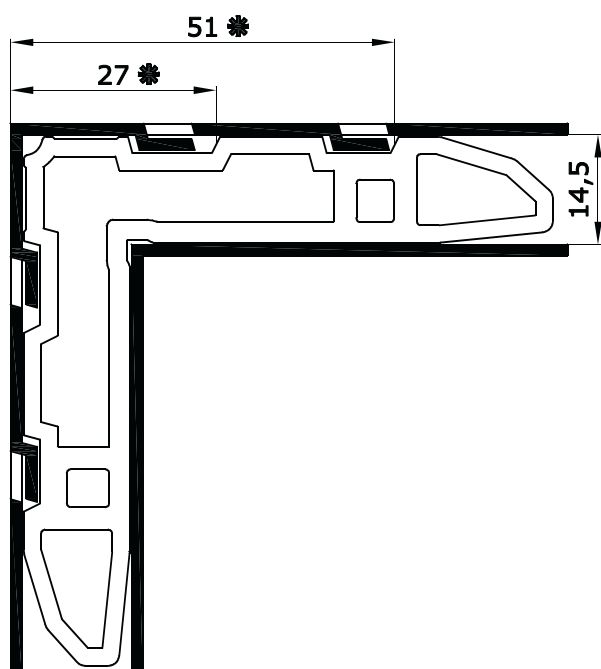
AZ 5202



AZ 5219



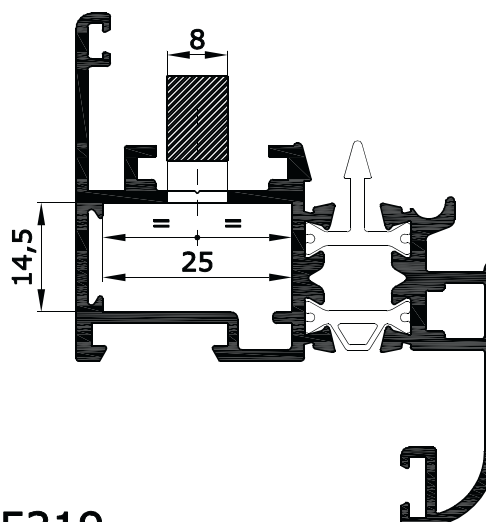
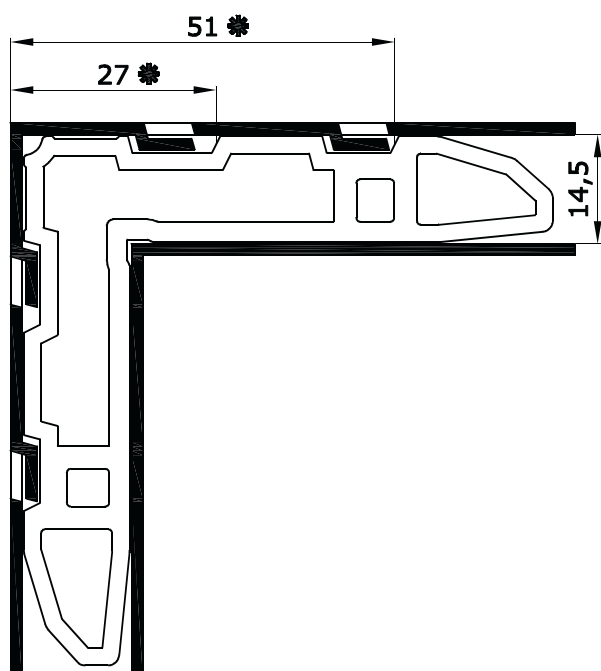
Squadretta a cianfrinare
Ra 1711



AZ 5202

N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Quota teorica da verificare in fase operativa = *

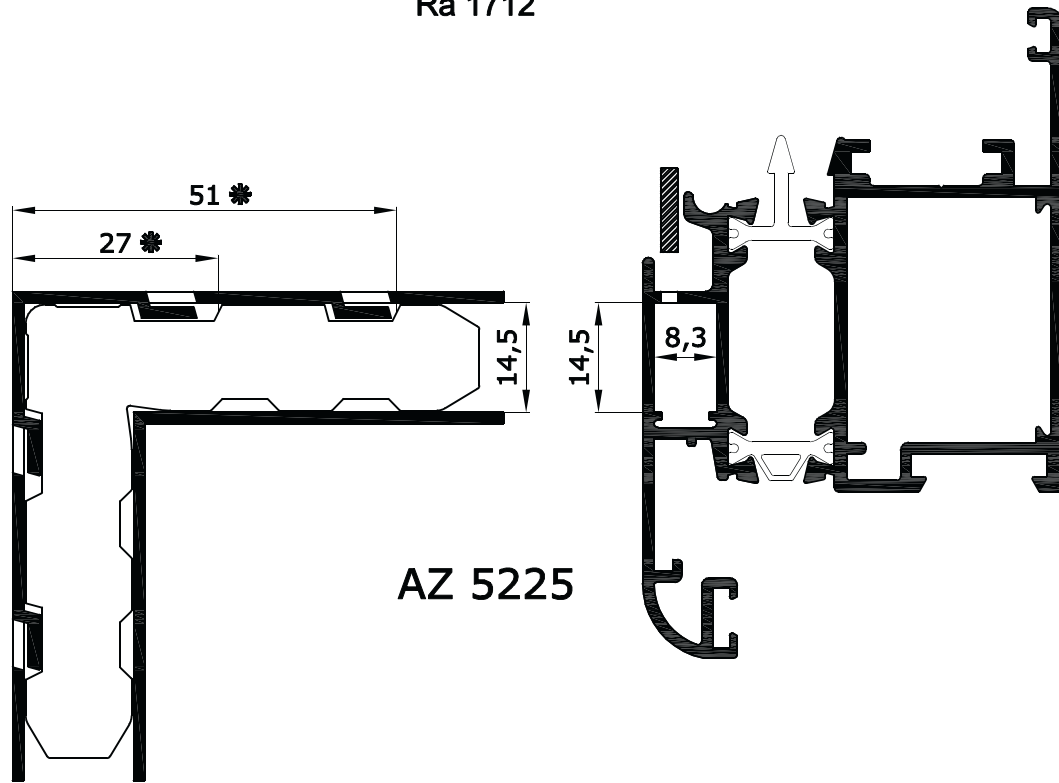
Squadretta a cianfrinare
Ra 1711



AZ 5219

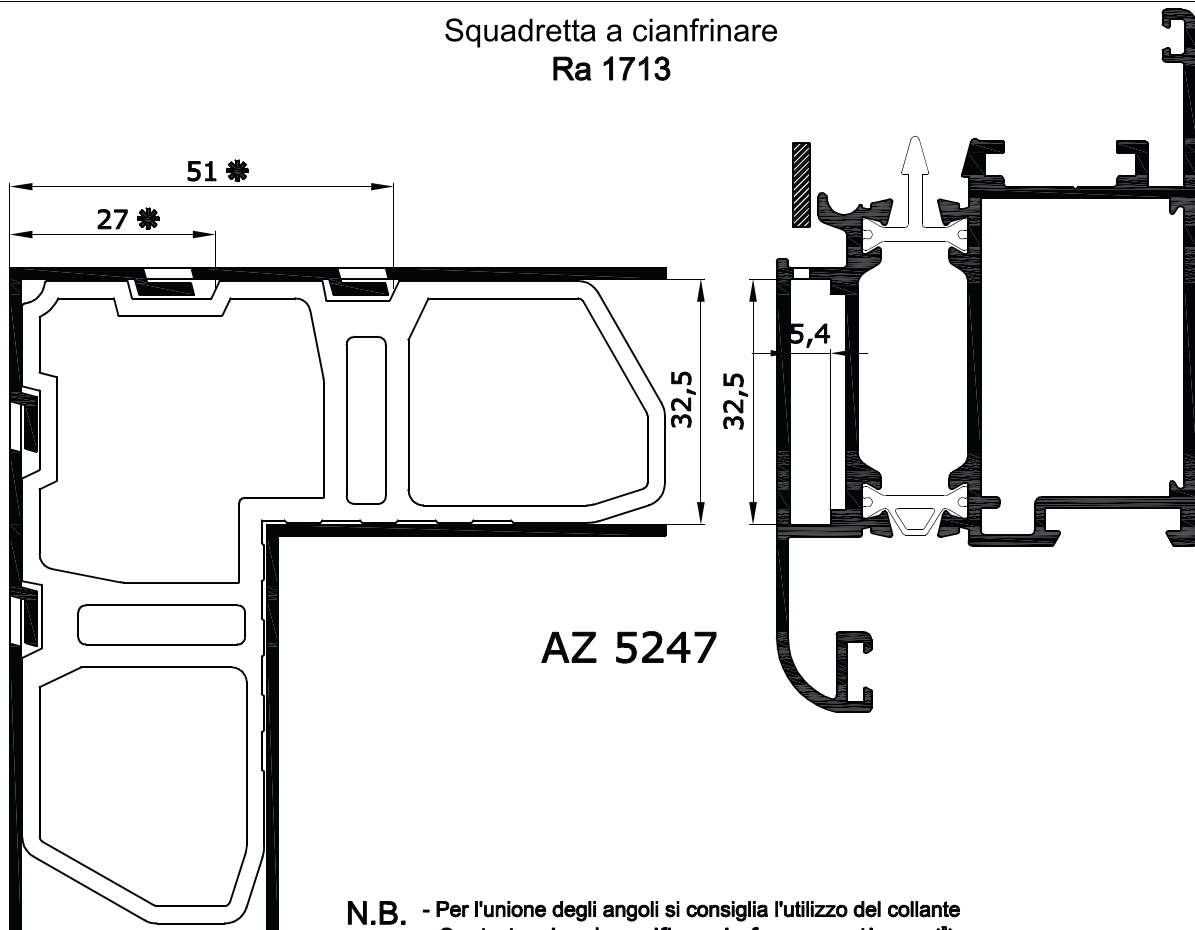
N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Quota teorica da verificare in fase operativa = *

Squadretta a cianfrinare
Ra 1712



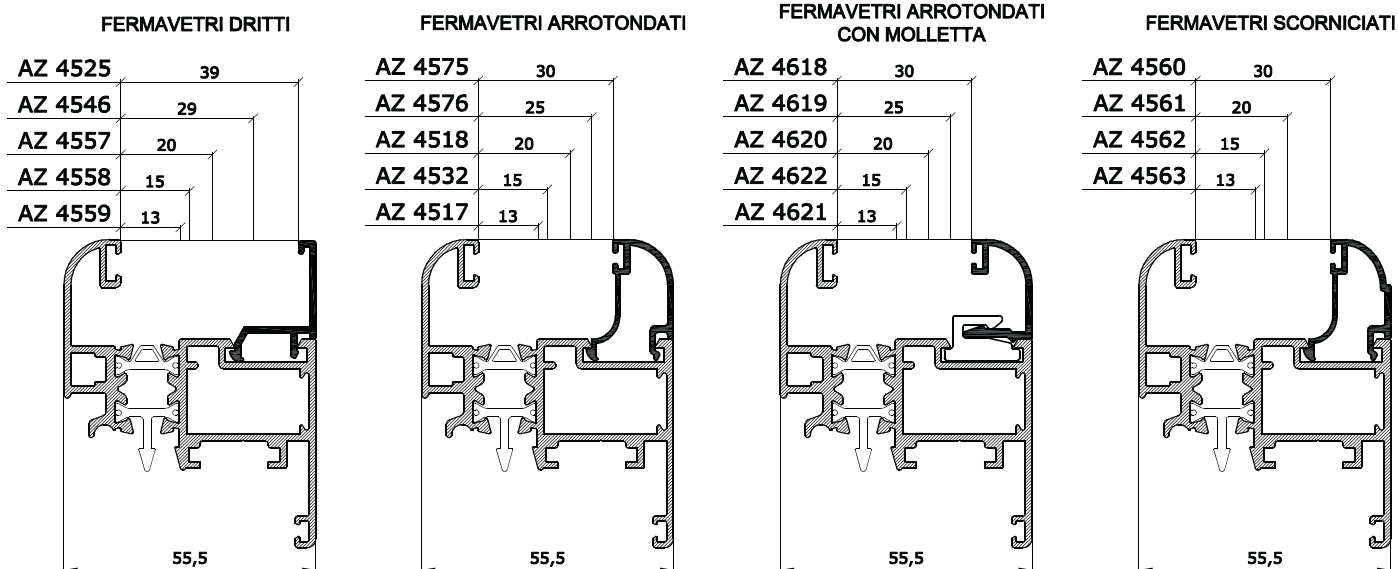
N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Quota teorica da verificare in fase operativa = *

Squadretta a cianfrinare
Ra 1713



N.B. - Per l'unione degli angoli si consiglia l'utilizzo del collante
- Quota teorica da verificare in fase operativa = *

ANTE



TELAI

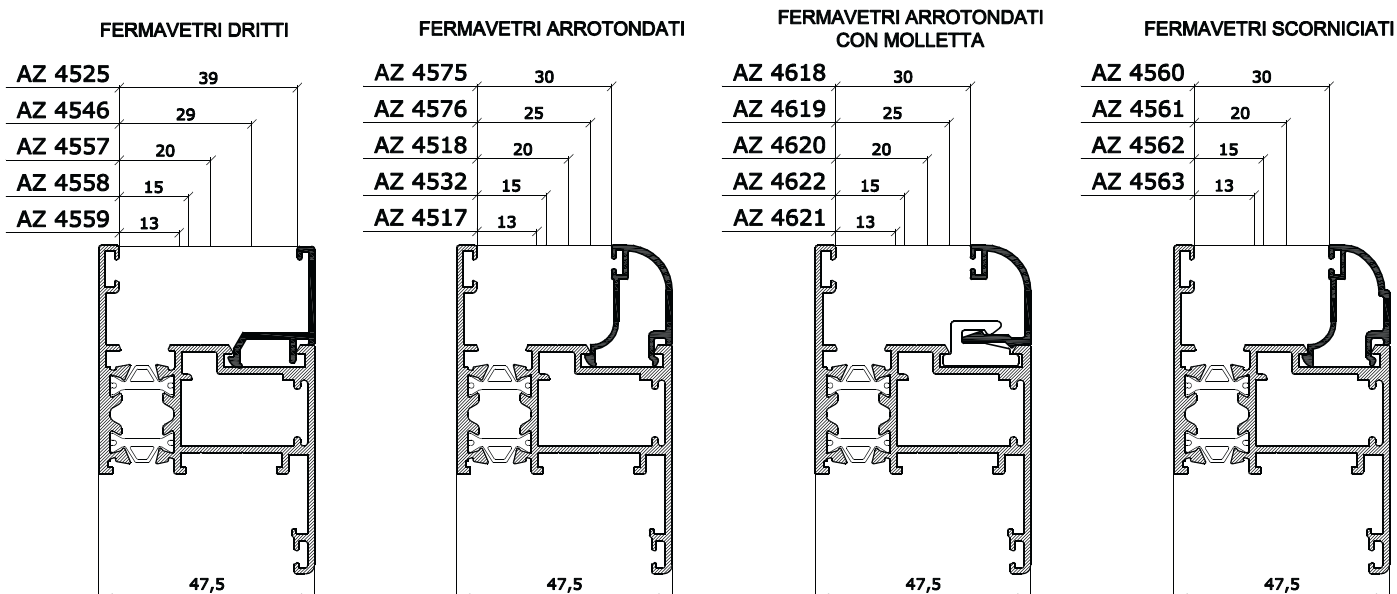







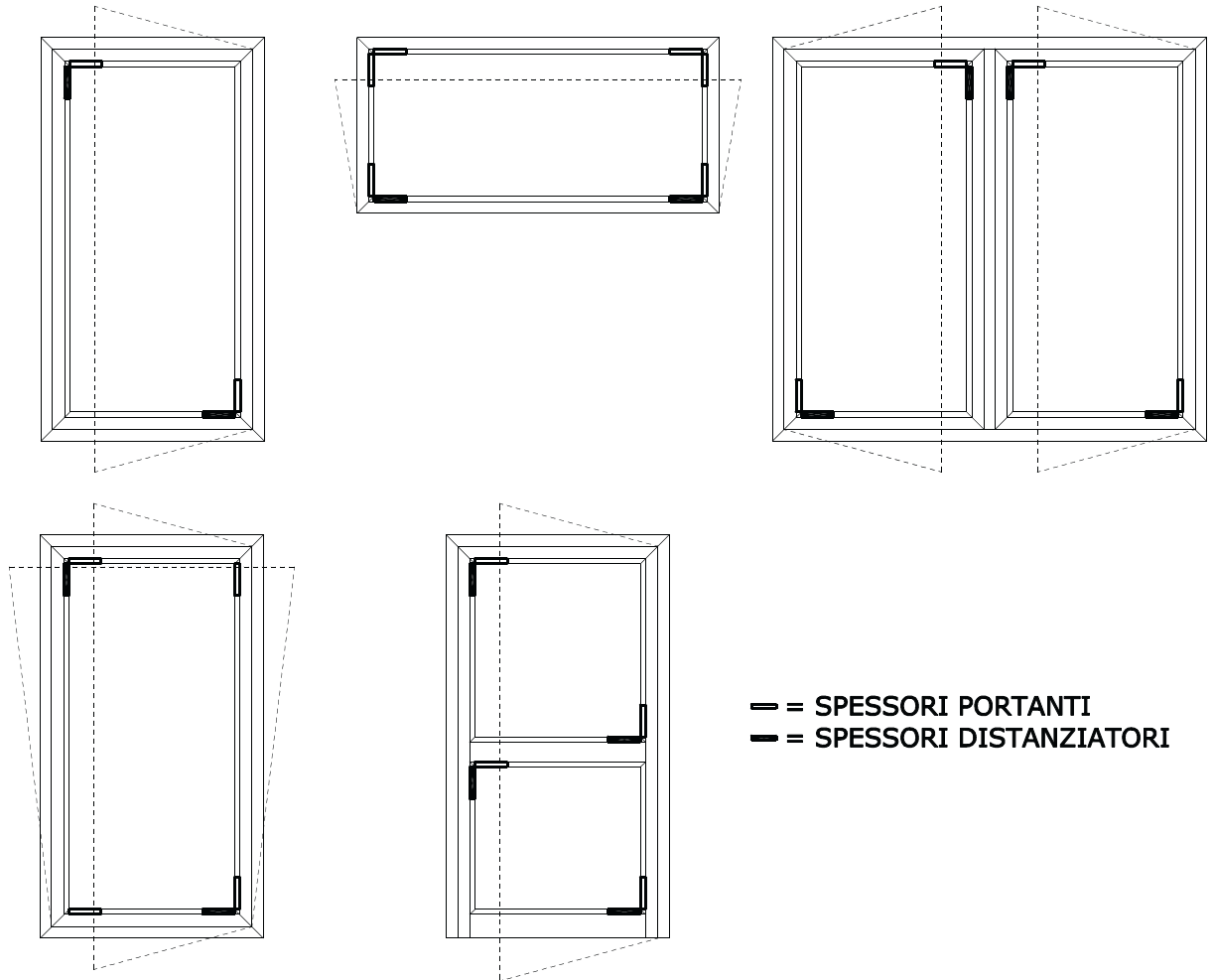


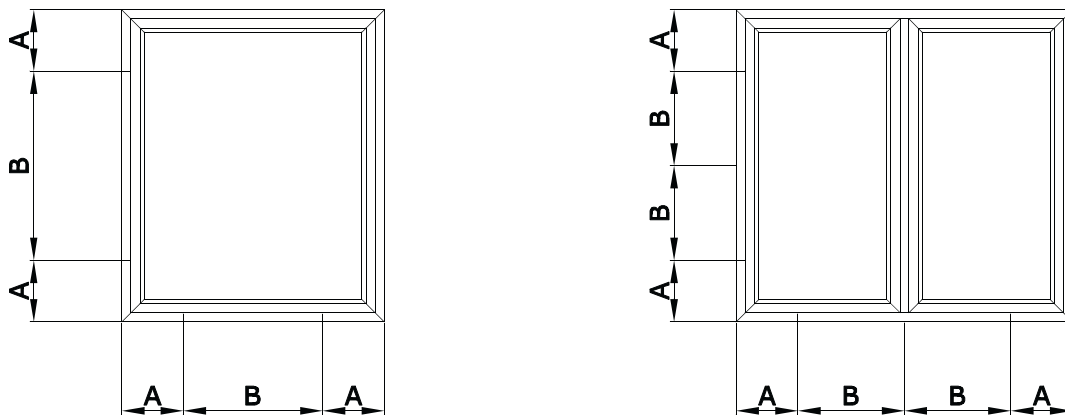
TABELLA GUARNIZIONI
(QUOTE CON GUARNIZIONI IN OPERA)

						
Rg 307 2 mm.	Rg 320 3 mm.	Rg 308 4 mm.	Rg 321 5 mm.	Rg 309 6 mm.	Rg 311 2,5 mm.	Rg 312 3,5 mm.

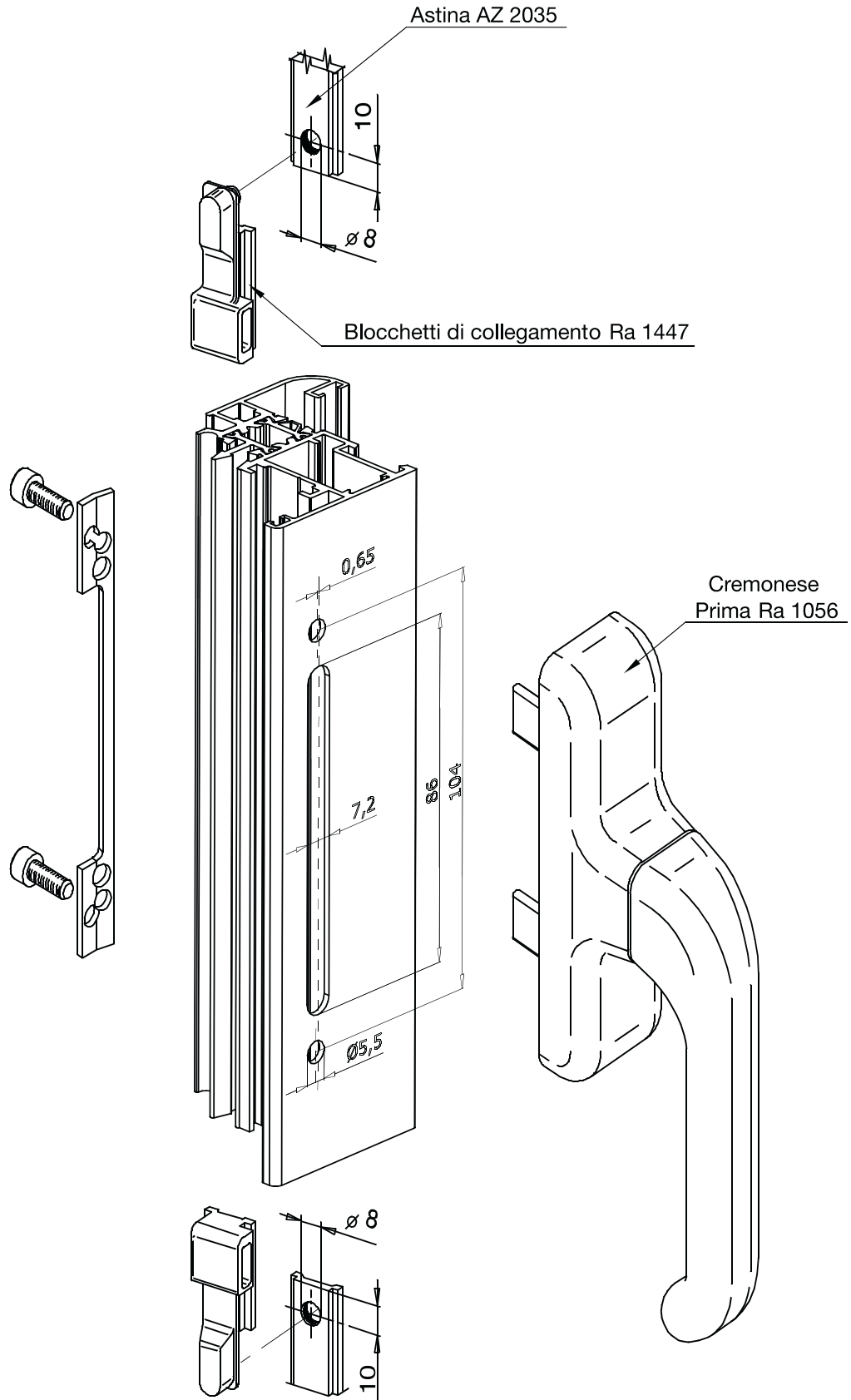
SPESSORAMENTO VETRI



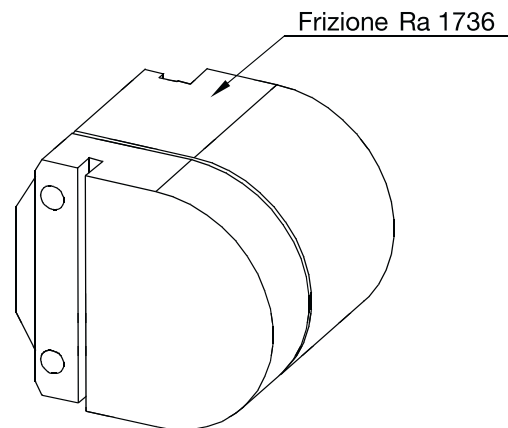
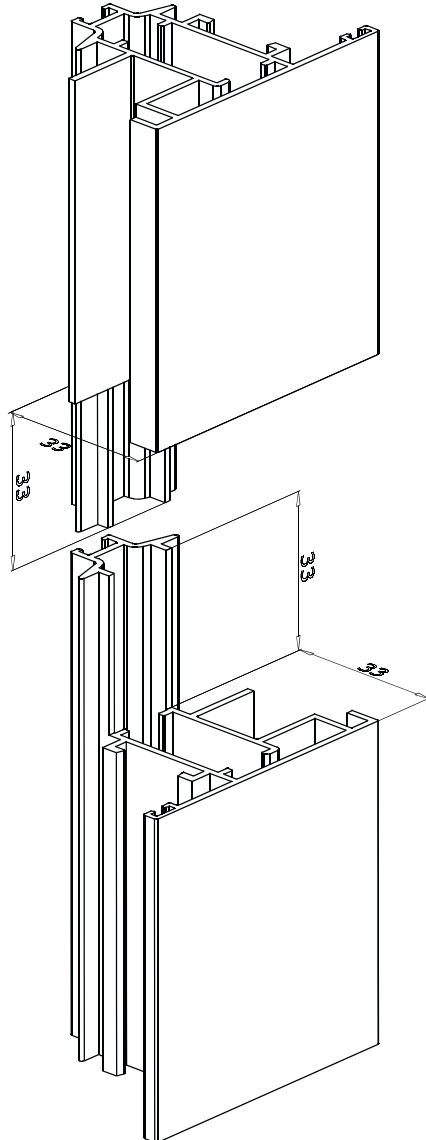
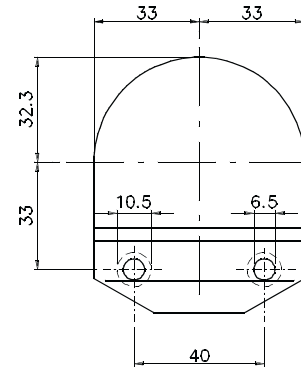
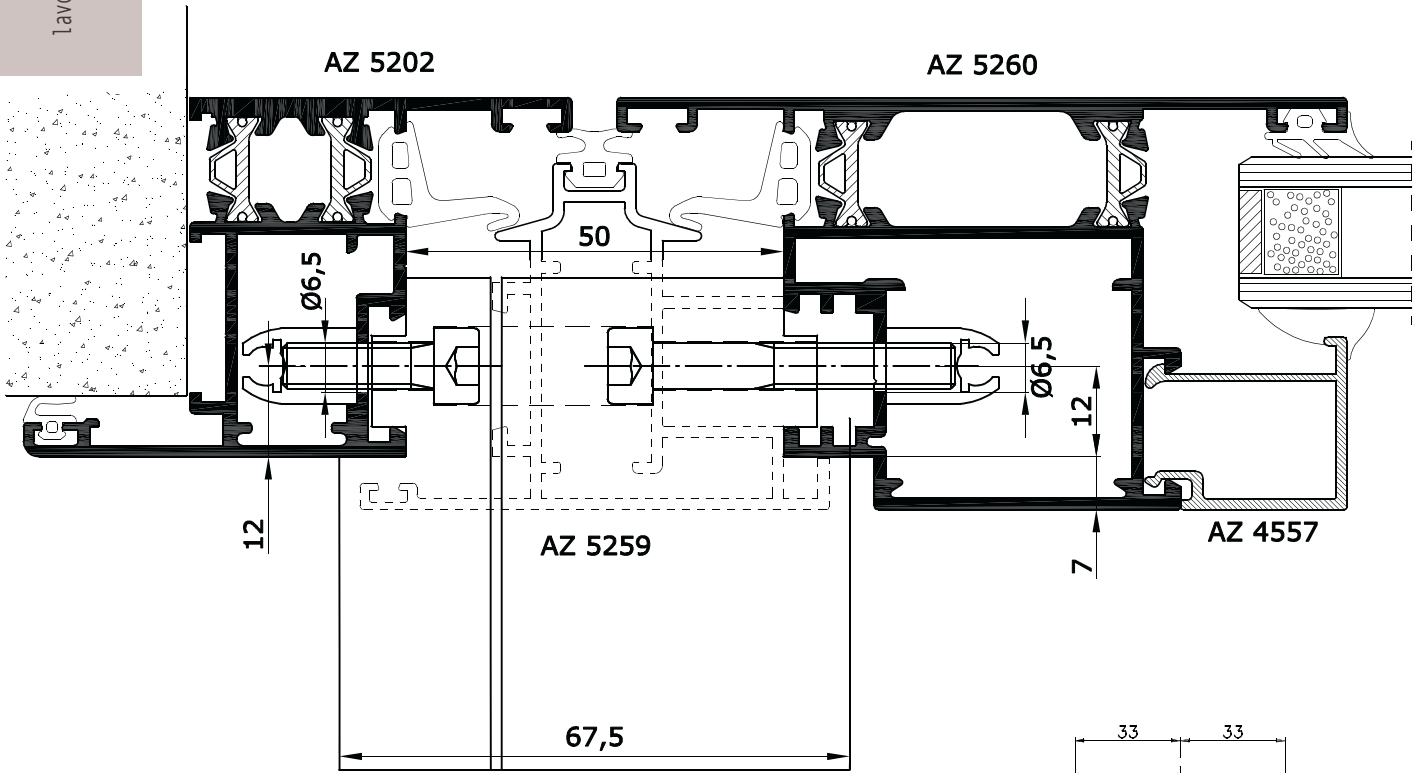
FISSAGGIO A MURO

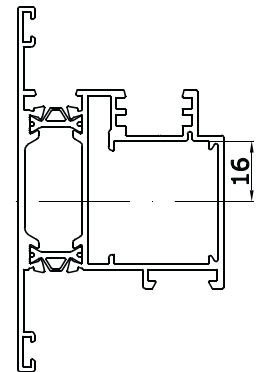
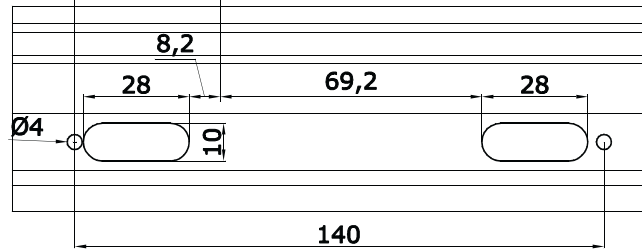
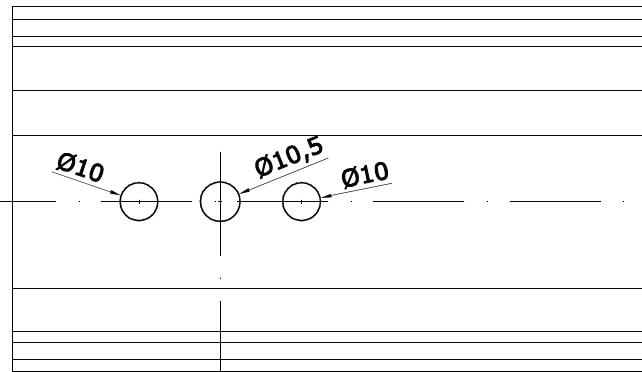
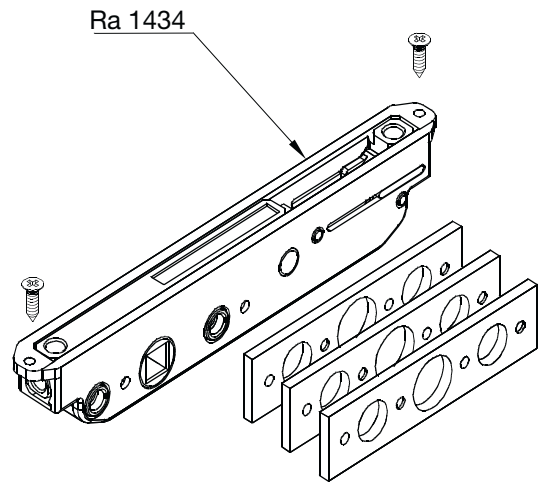
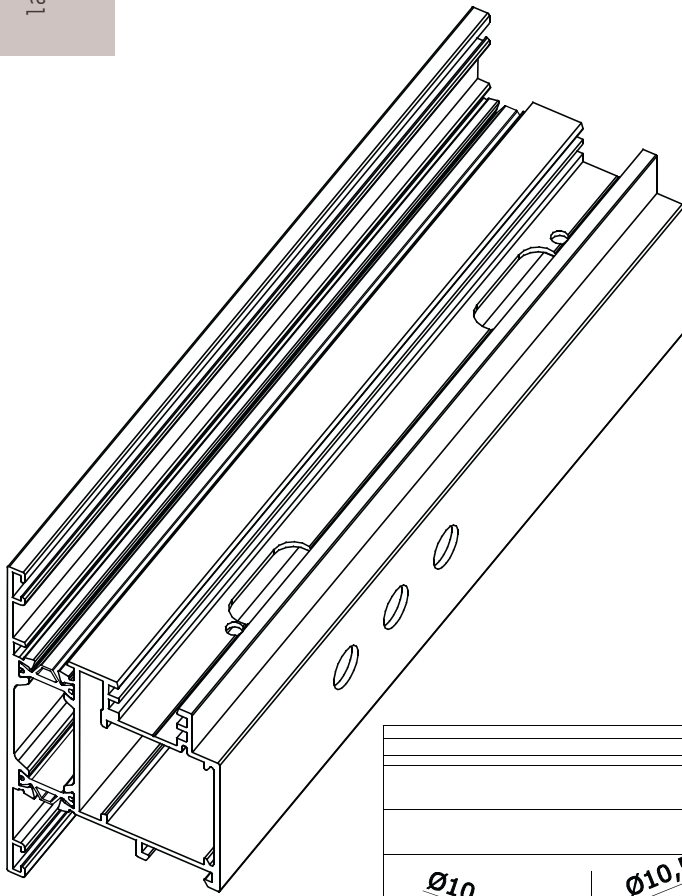


A = 100 / 150 mm.
B = 500 mm. massimo

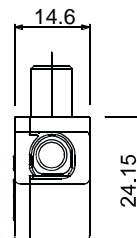
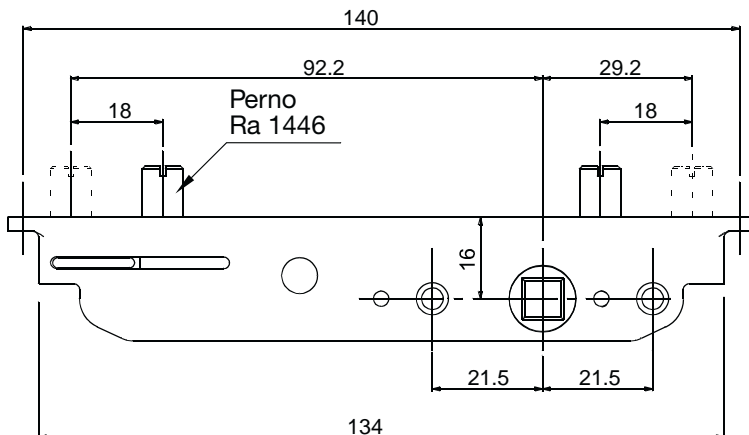


N.B.- Lavorazione eseguita con punzonatrice Ra 1074

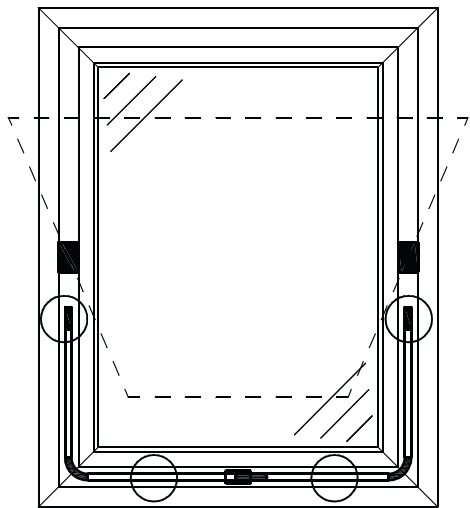








AZ 5260




Bilico verticale

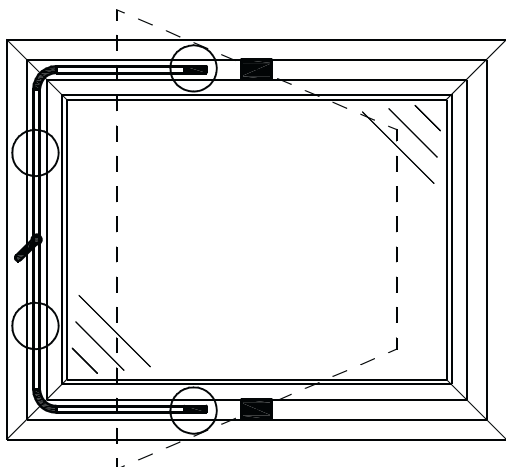






	Nottolino di chiusura Ra 2918 e incontro Ra 2907	N°4+4 pz
	Rinvio d'angolo Ra 1453 e perno di collegamento Ra 1446	N°2+2 pz
	Frizione Ra 1736 *	N°1cp
	Martellina Prima Ra 2916 e movimentazione interna Ra 1434	N°1+1 pz

*Frizione Peso MAX 75Kg
Dimensione MAX H=2000
L=1500


 Punti di chiusura

Bilico orizzontale

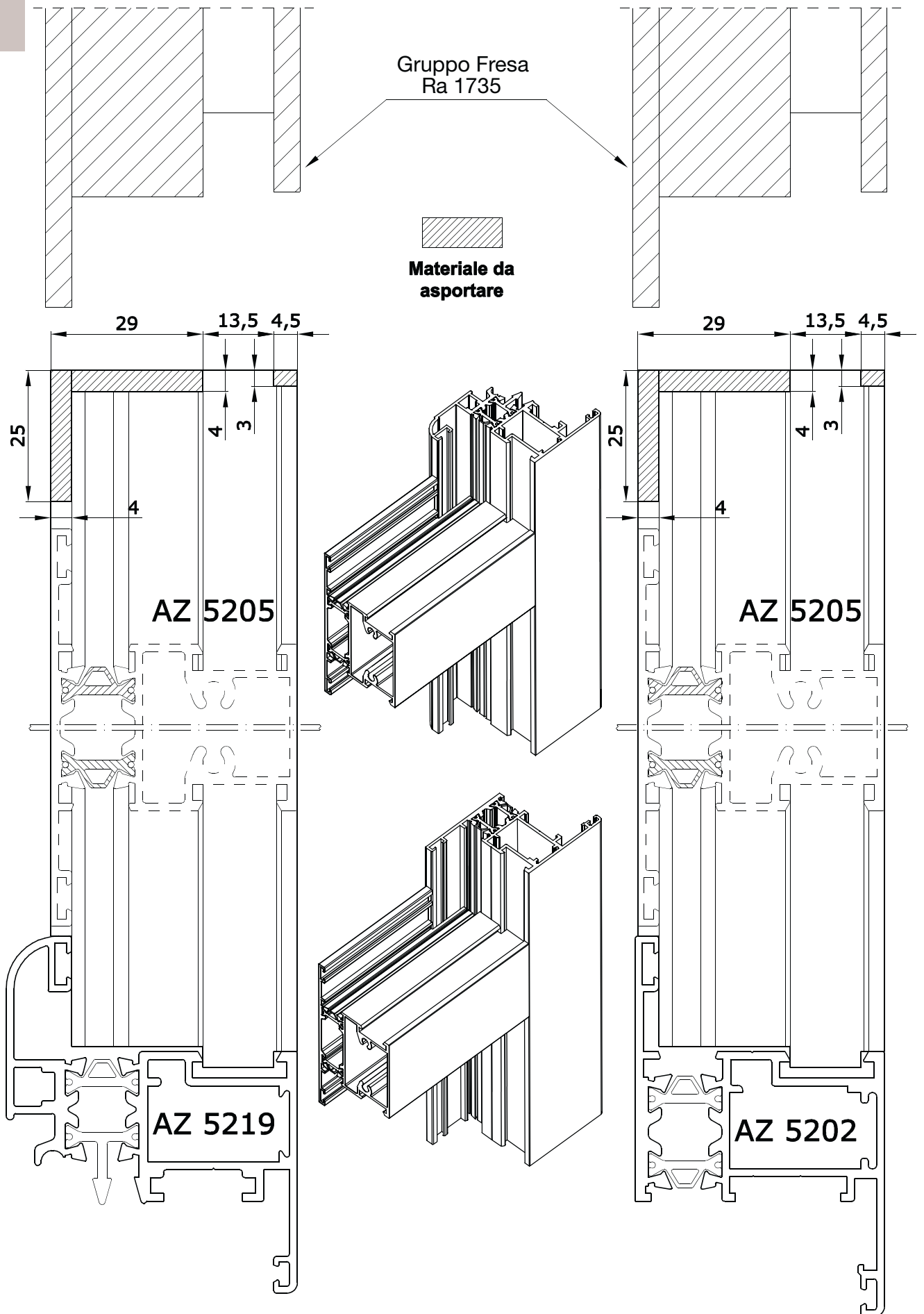


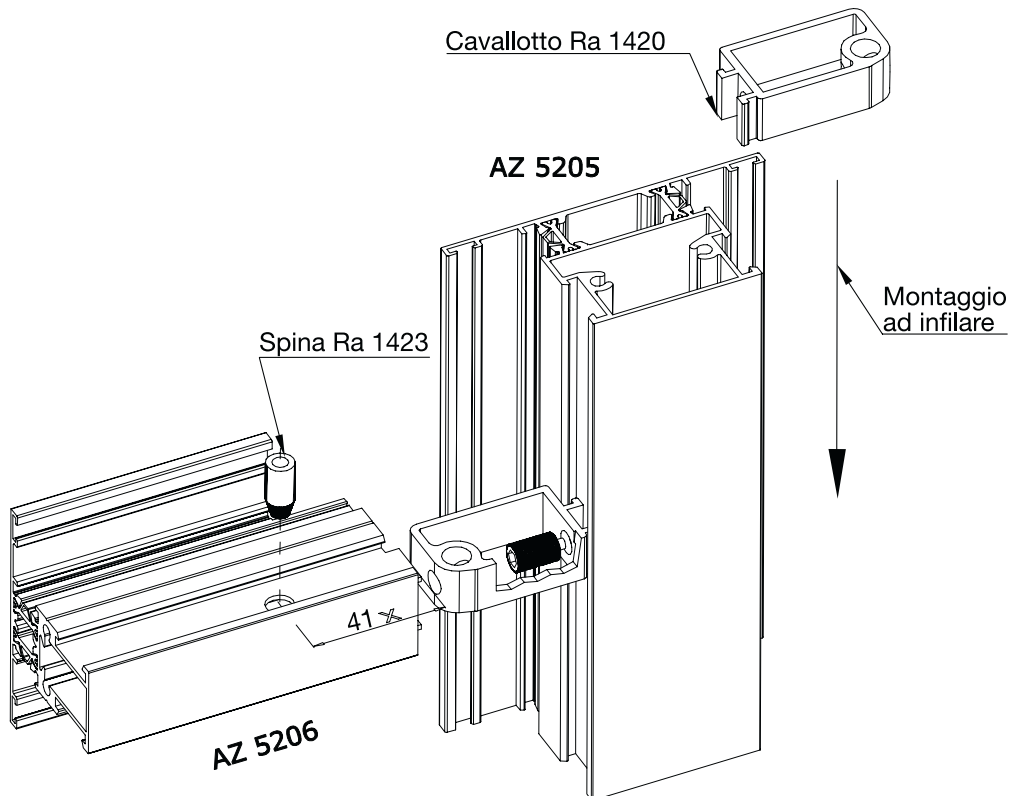
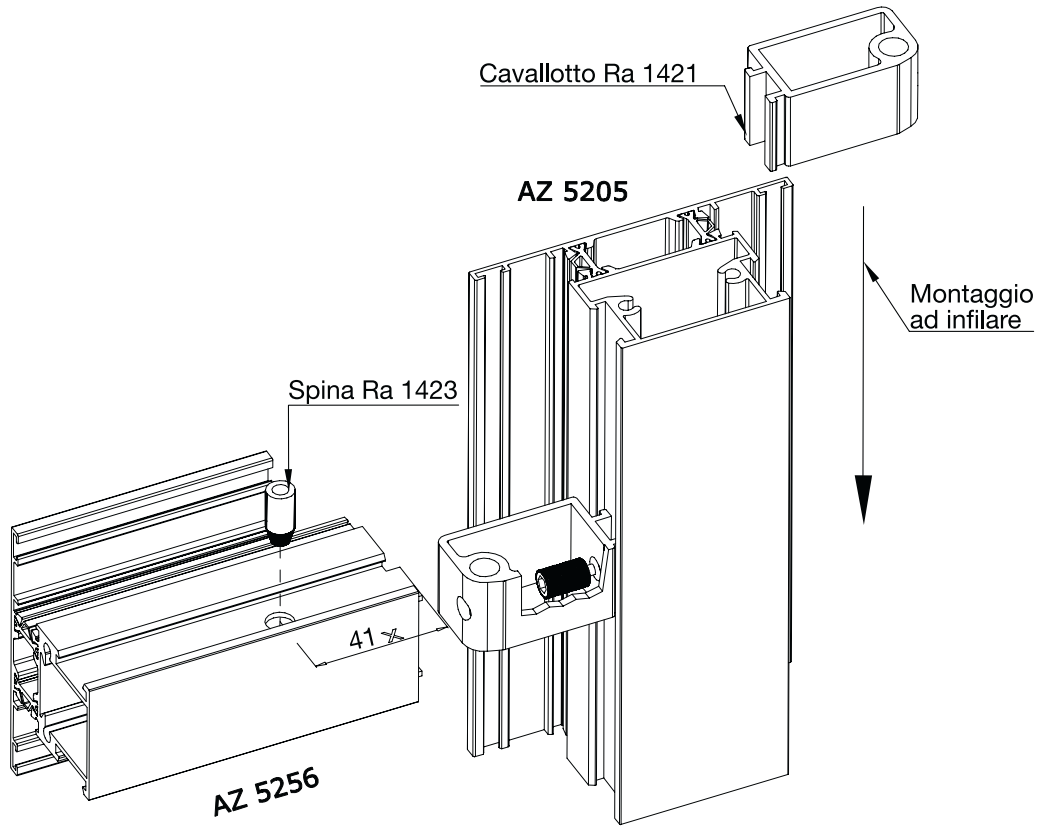
	Nottolino di chiusura Ra 2918 e incontro Ra 2907	N°4+4 pz
	Rinvio d'angolo Ra 1453 e blocchetti di collegamento Ra 1447	N°2+2 pz
	Frizione Ra 1736 *	N°1cp
	Cremonese Prima Ra 1056	N°1+1 pz

*Frizione Peso MAX 75Kg
Dimensione MAX H=2000
L=1500

 Punti di chiusura

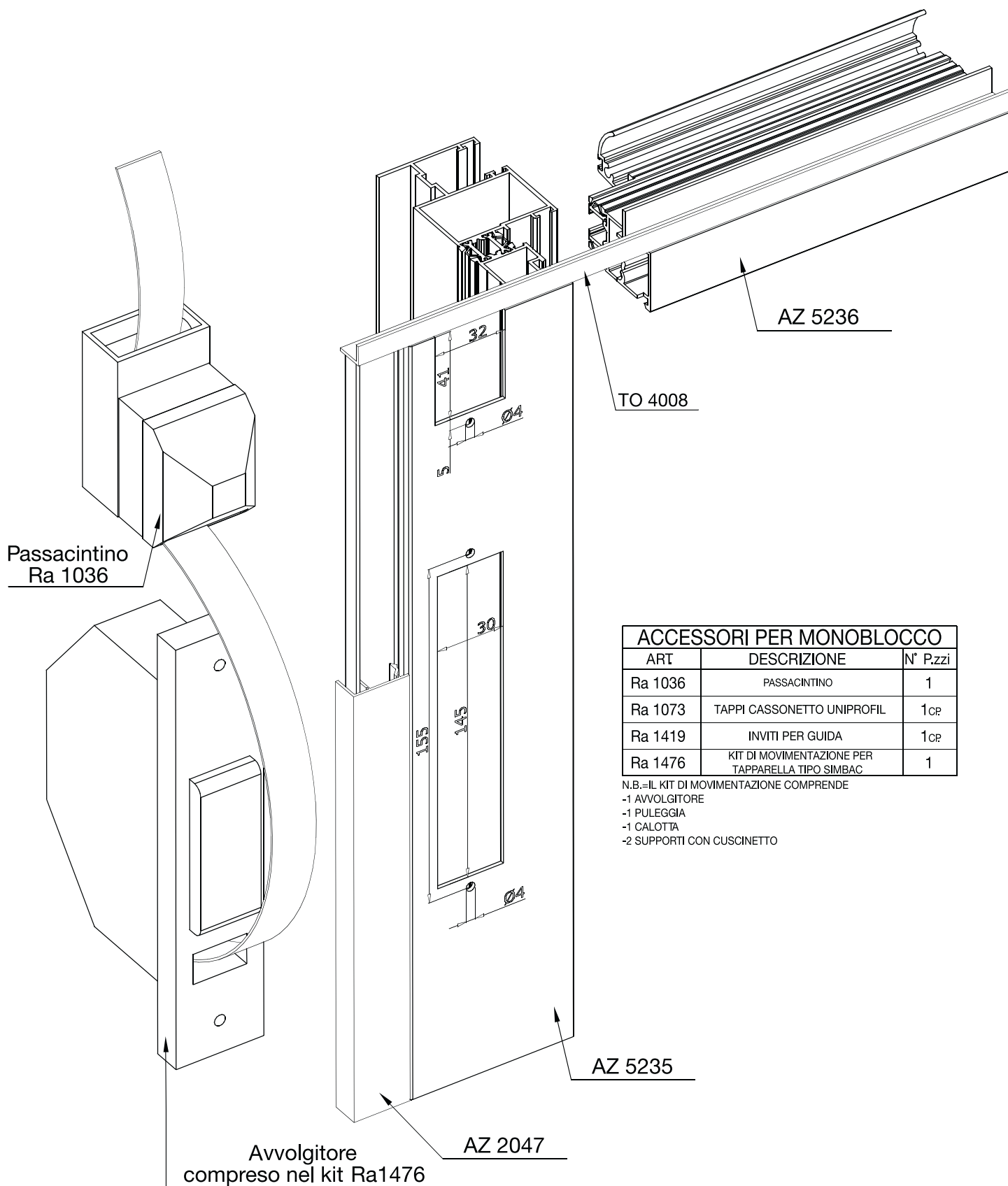
N.B. In alternativa alla chiusura con martellina è possibile utilizzare la maniglia a tavellino Ra 1439





✗ da verificare in fase di lavorazione

N.B. - Per l'unione dei traversi si consiglia l'utilizzo del collante
- Lavorazione eseguita con gruppi fresa Ra 1412

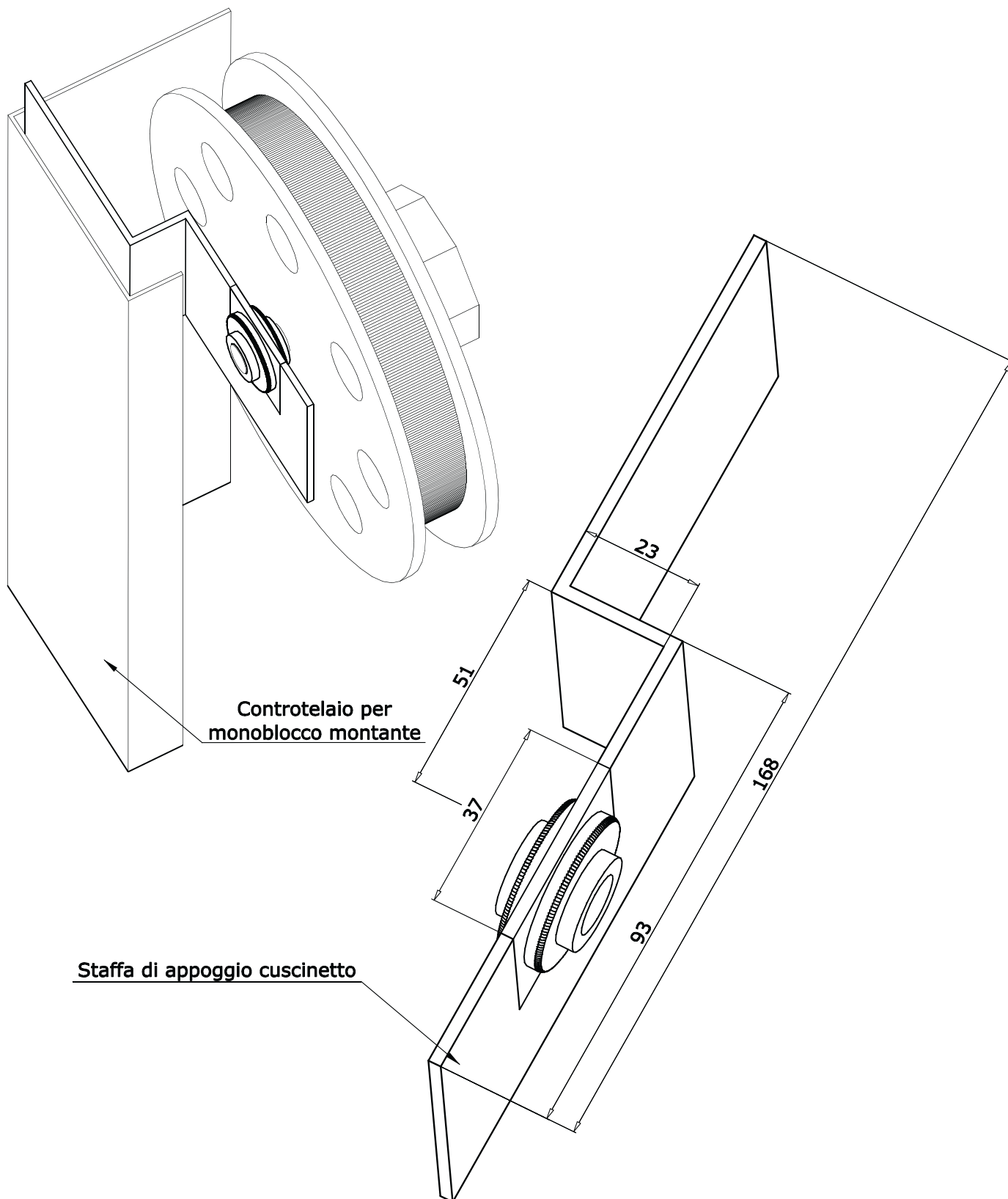


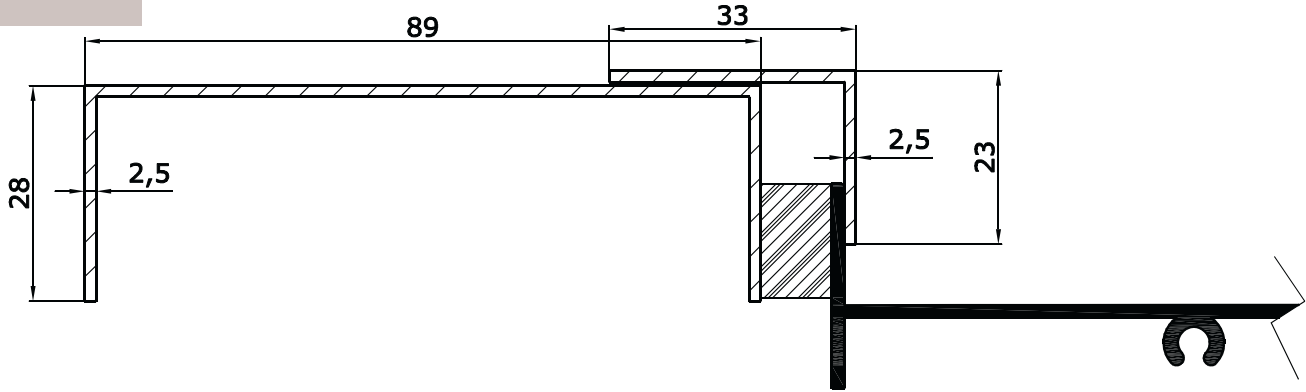
ACCESSORI PER MONOBLOCCO		
ART	DESCRIZIONE	N° P.zzi
Ra 1036	PASSACINTINO	1
Ra 1073	TAPPI CASSONETTO UNIPROFIL	1 CP
Ra 1419	INVITI PER GUIDA	1 CP
Ra 1476	KIT DI MOVIMENTAZIONE PER TAPPARELLA TIPO SIMBAC	1

N.B.=IL KIT DI MOVIMENTAZIONE COMPRENDE

- 1 AVVOLGITORE
- 1 PULEGGIA
- 1 CALOTTA
- 2 SUPPORTI CON CUSCINETTO

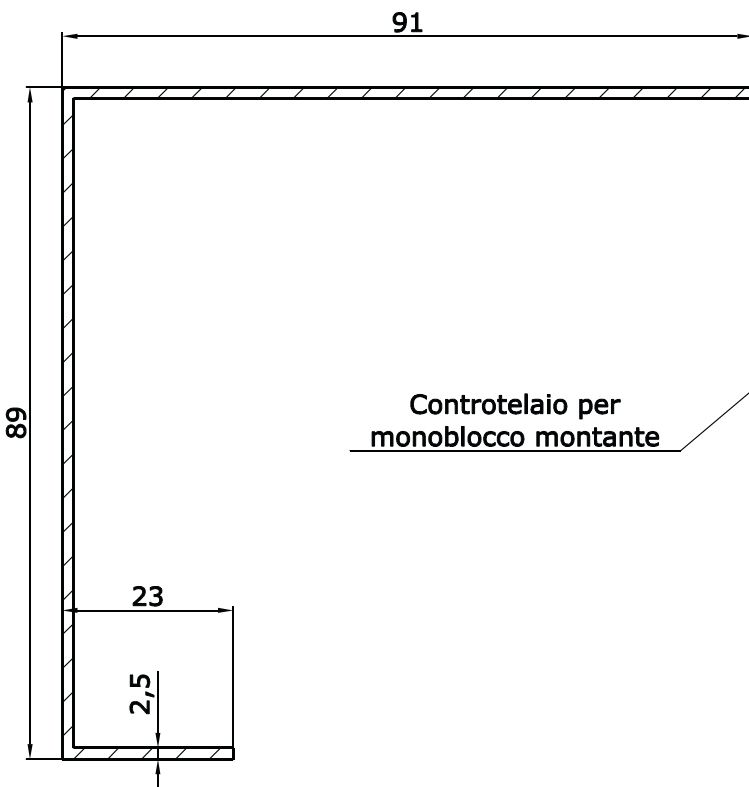
La staffa di appoggio cuscinetto va fissata sul controtelaio per monoblocco montante



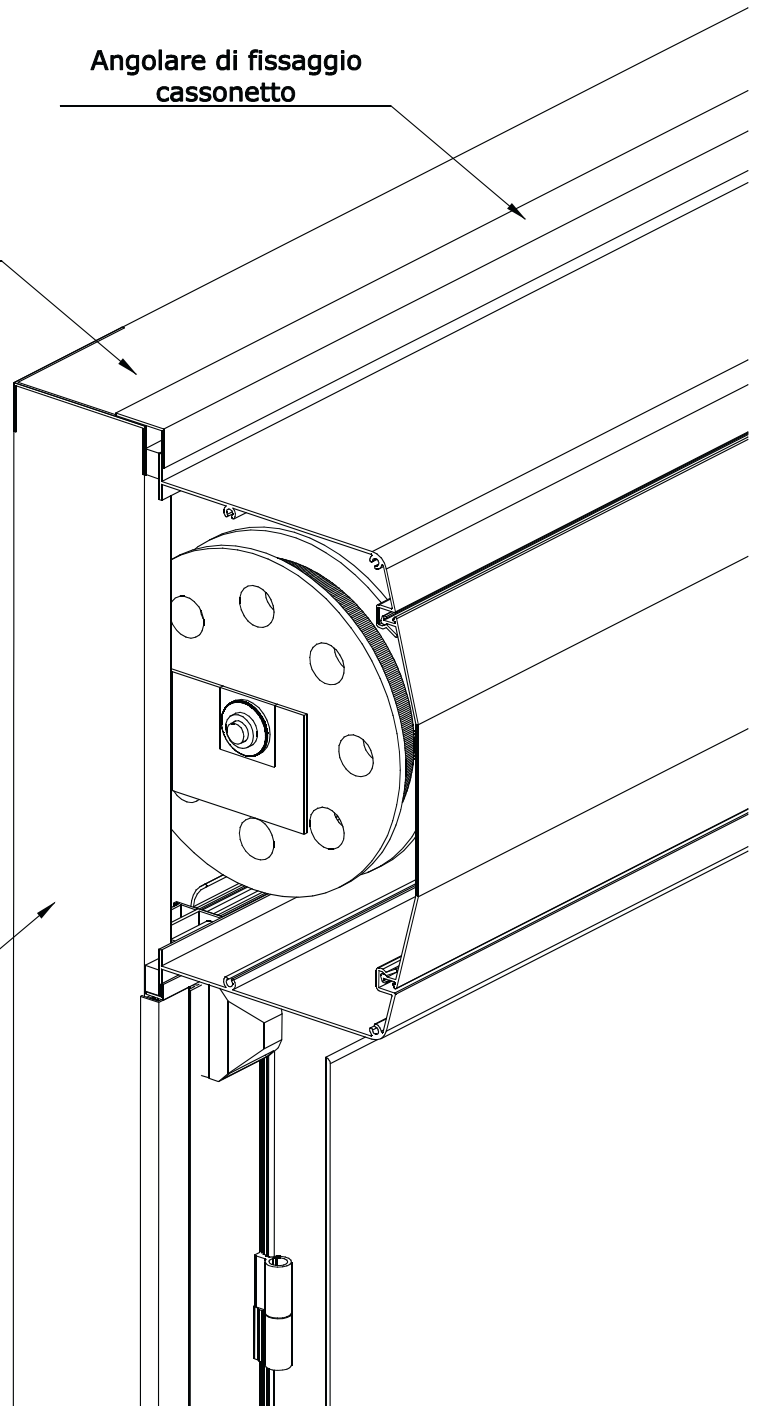


Angolare di fissaggio
cassonetto

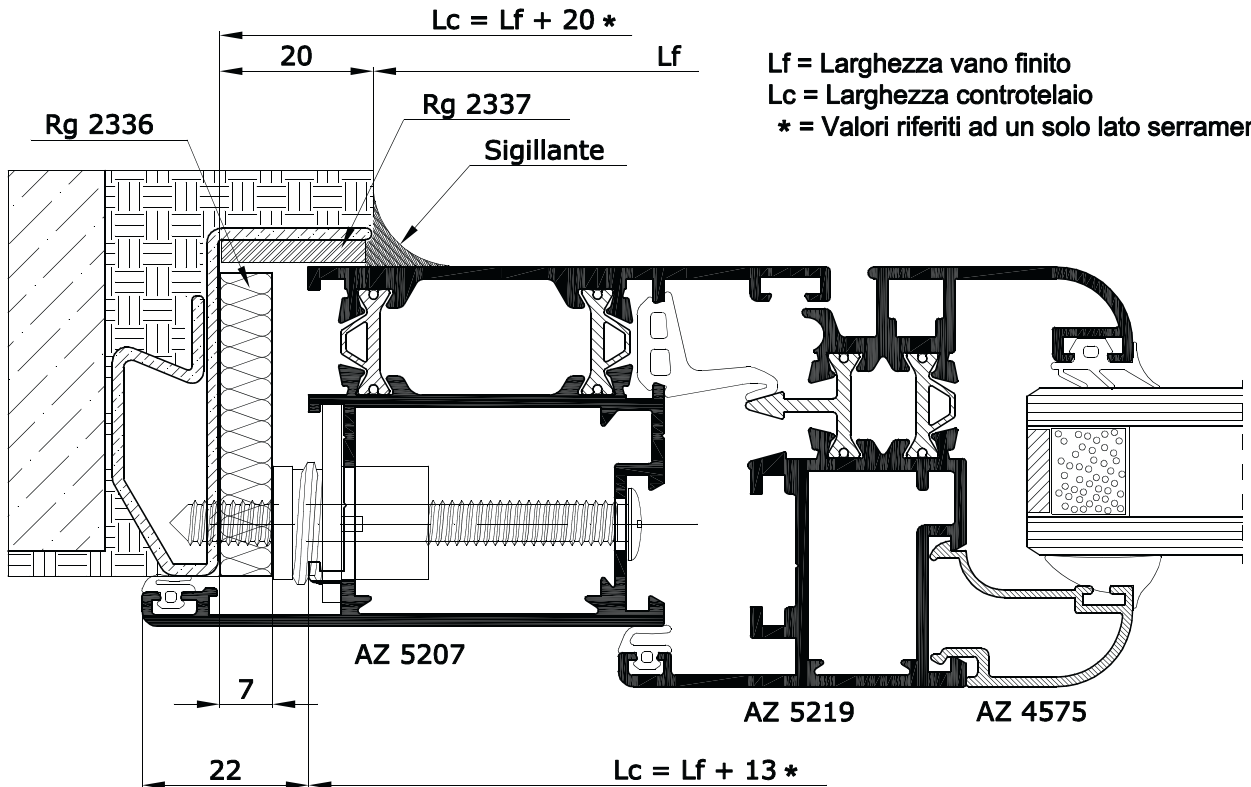
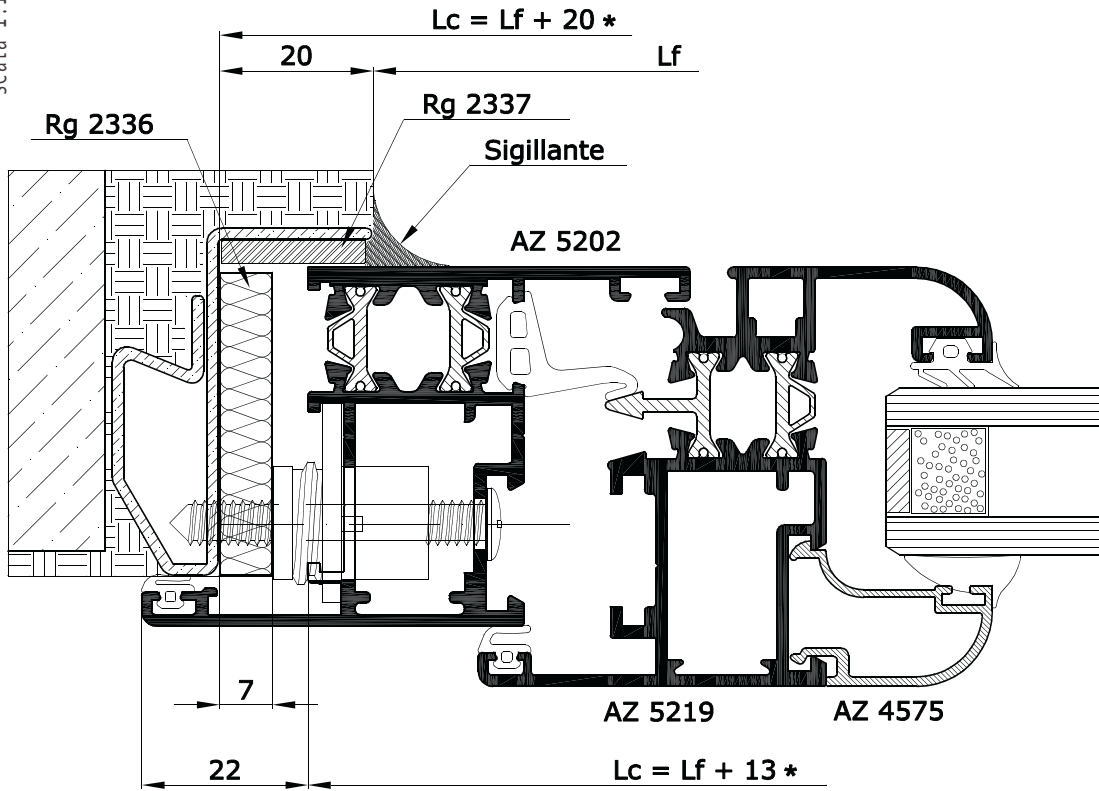
Controtelaio per
monoblocco trasverso



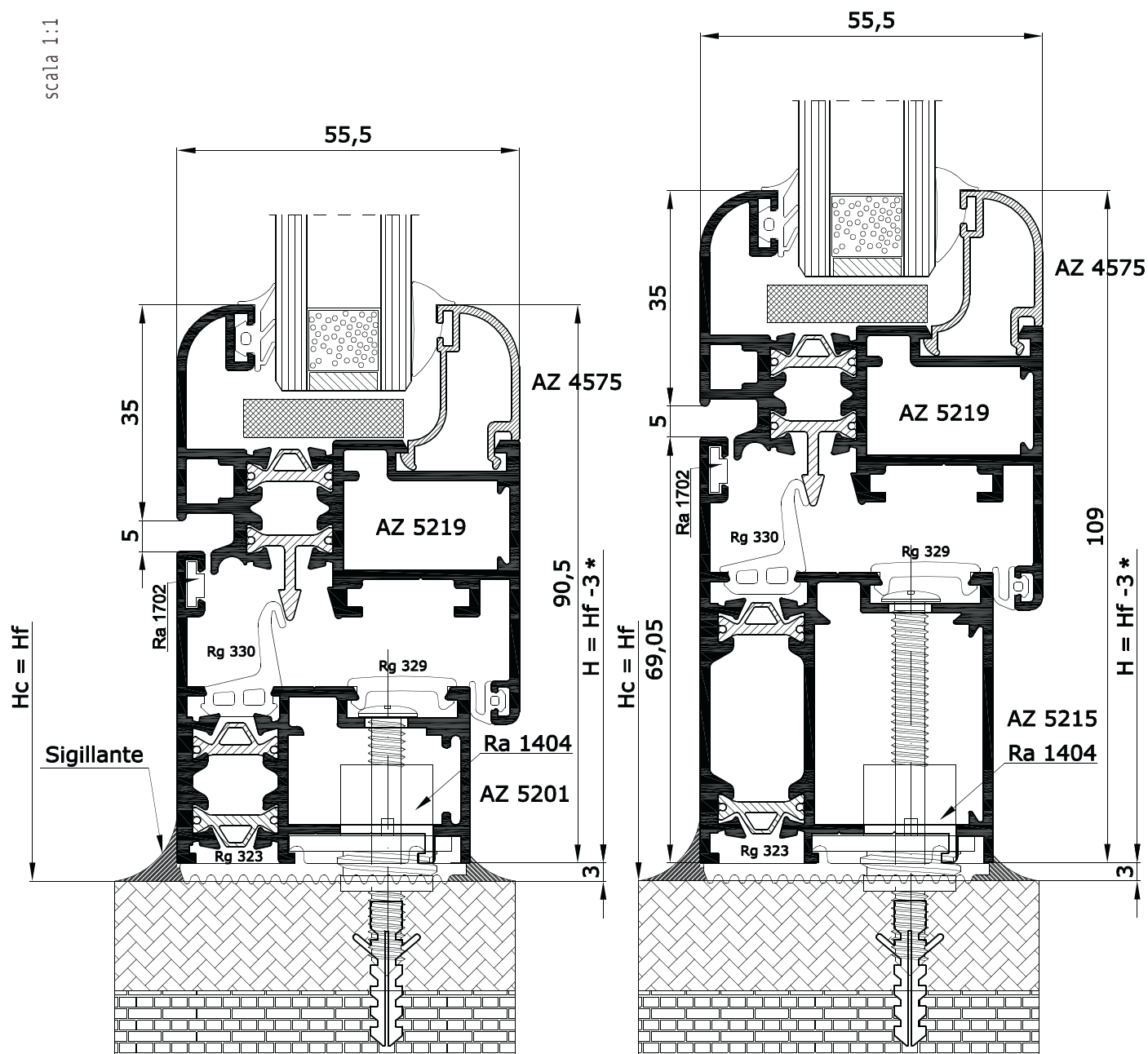
Controtelaio per
monoblocco montante



scala 1:1



scala 1:1



Hf = Altezza vano finito

Hc = Altezza controtelaio

= Valori riferiti ad un solo lato serramento



atlantis 



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