



MANUALE TECNICO TGP TH76

EDIZIONE 07/2023

TECHNICAL MANUAL TGP TH76

EDITION 07/2023

LEGENDA SIMBOLI, SIGLE e FORMULE PER FERRAMENTA



Dima per forare



Forare



Fresatura



Pantografare



Punzonare



Sigillare



Tagliare



LIBA Larghezza Interna **Battuta Anta**

HIBA Altezza Interna **Battuta Anta**

LET Larghezza **Esterna Telaio**

HET Altezza **Esterna Telaio**

LA Larghezza **Anta**

HA Altezza **Anta**

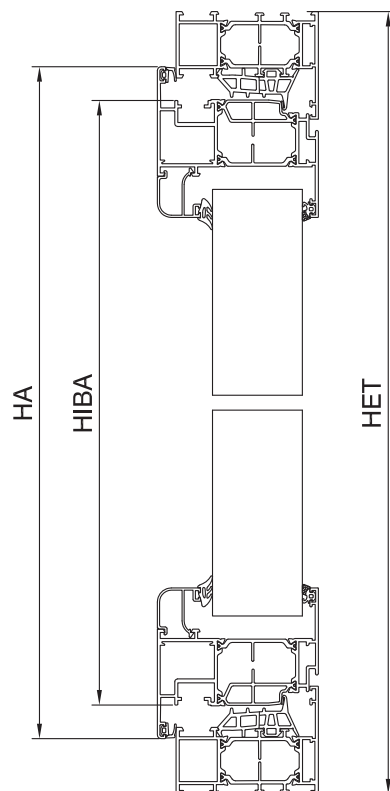
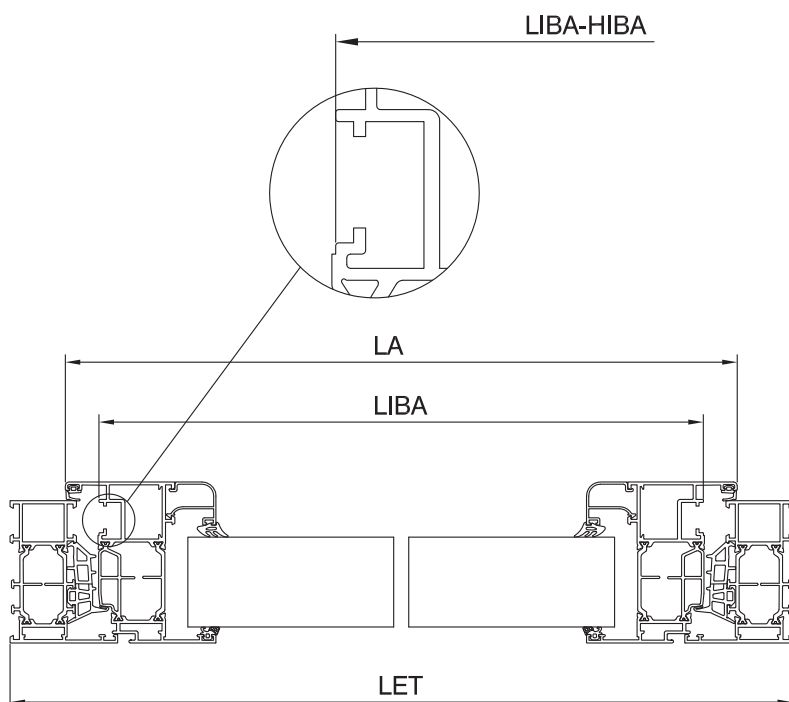
Gr Grandezza (Dimensioni riferite alle ante e/o al serramento)

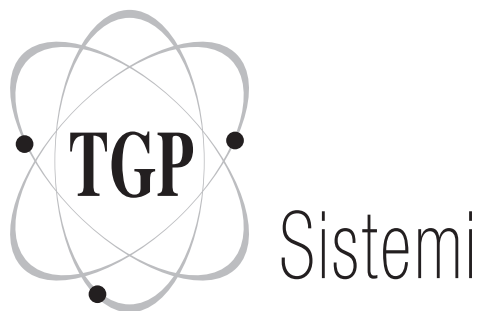
Nomi commerciali prodotti SIEGENIA-AUBI

FAVORIT / TITAN = ap. Battenti e Anta Rib.

PSK 160 LM = ap. Scorrevole-Parallelo

FS PORTAL LM = ap. Scorrevole a Libro





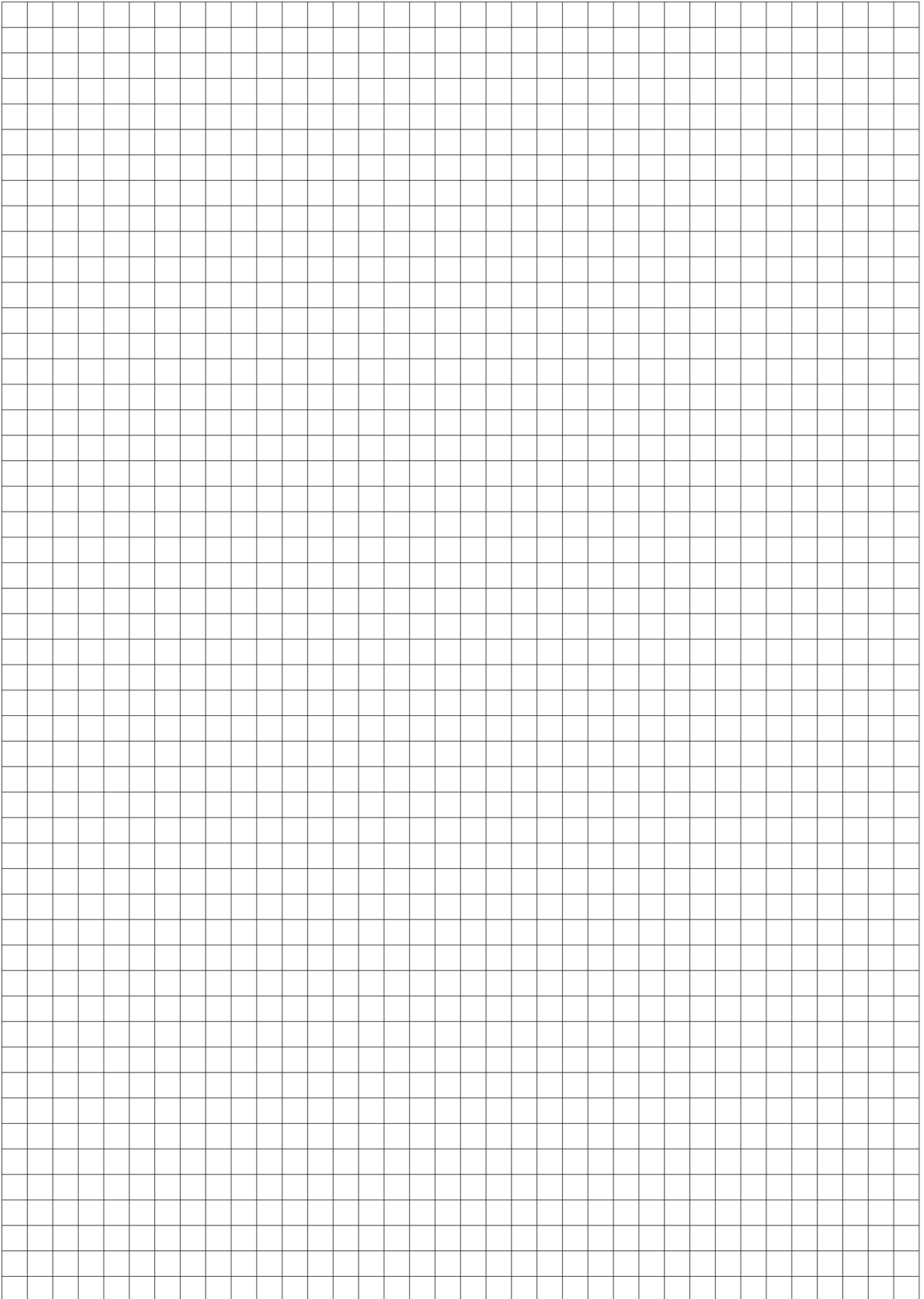
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Tecnica

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Description



Sistemi

TW76



DESCRIZIONE TECNICA DEL SISTEMA PER SERRAMENTI A BATTENTE A TAGLIO TERMICO TGP TH 76

Profilati estrusi in lega di alluminio EN AW-6060 (UNI EN 573-3)

Stato di fornitura: T5

Isolamento termico ottenuto tramite barrette in poliammide, inserite in apposite sedi tra i due profili in alluminio (guscio interno ed esterno) e successivamente bloccate mediante rullatura sulla parte esterna di alluminio.

Tolleranze dimensionali e spessori: UNI EN 12020-2

Lunghezza commerciale barre profilati: mm. 6500

I profilati a taglio termico della serie TGP TH 76 devono essere trattati superficialmente osservando i criteri previsti dalle direttive per l'ottenimento del marchio Qualanod, per l'anodizzazione e Qualicoat per la verniciatura; in ogni caso non dovrà essere superata la temperatura max di 190 °C per oltre 15 minuti, al fine di non pregiudicare le caratteristiche meccaniche e dimensionali della barretta in poliammide.

Caratteristiche principali del Sistema:

Dimensione base:	- sezione del telaio fisso	mm. 76
	- sezione dell'anta	mm. 86
	- sovrapposizione a muro dei telai fissi	mm. 22 - 35 - 45 - 65
	- altezza sede vetro	mm. 22
	- larghezza massima per vetro o pannello	mm. 70

inserimento del vetro con fermavetro a scatto;

sedi alloggiamento accessori: a dimensioni standard secondo camera europea mm. 14-18;

tenuta aria/acqua ottenuta tramite guarnizione centrale a giunto aperto, con guarnizione di tenuta parapolvere e antirumore inserita nella cava dell'aletta interna dell'anta;

possibilità d'impiego: i profilati consentono la costruzione di serramenti a superfici piane, complanari sul lato esterno e sormonto interno, con aletta di vetratura arrotondata e a vetro ad infilare; si possono fabbricare porte e finestre a battente, con apertura ad una o più ante, a wasistas, ad anta ribalta, monoblocco, vetrate fisse, vetrine per negozi, portoncini con apertura verso l'interno e/o esterno;

NOTE TECNICHE

Il peso dei profilati è quello teorico e potrà variare in funzione delle tolleranze dimensionali e di spessore previste dalla norma UNI EN 12020-2; le dimensioni di taglio indicate nelle apposite distinte inserite nel catalogo, sono calcolate in base alle dimensioni nominali: nella pratica potranno essere influenzate dalle tolleranze di estrusione, pertanto dovranno essere arrotondate secondo la precisione ed il tipo di impostazione delle misure nelle macchine impiegate. Gli schemi, le sezioni e gli attacchi a muro 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.

La posa del serramento va eseguita rispettando la normativa, le prescrizioni e le raccomandazioni specifiche esistenti in Italia.

I momenti di inerzia riportati sono teorici.

Il Sistema di profilati riportato in questo catalogo è brevettato; tutti i dati riportati nel presente catalogo sono indicativi e non impegnano il gammista che si riserva di apportare in qualsiasi momento quelle modifiche che riterrà opportune al fine di migliorare i prodotti.

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TECHNICAL DESCRIPTION OF THE TGP TH 76 SYSTEM FOR THERMAL BREAK WINDOWS AND DOORS

Aluminium alloy EN AW-6060 (UNI EN 573-3) extruded sections

Temper: T5

Thermal insulation obtained through polyamide bars, inserted in suitable seats between the two sides of the aluminium profiles and then locked by means of rolling on the external aluminium part.

Dimensional tolerances and thicknesses: UNI EN 12020-2

Commercial length of the bars: 6500 mm

The thermal break sections of the system TGP TH 76 have to be treated on the surface in compliance with the criteria set forth by the Qualanod Mark directives for anodizing and Qualicoat for varnishing.

The max. 190 °C temperature shall not be exceeded in any case for more than 15 minutes, in order not to jeopardize the mechanical and dimensional characteristics of the polyamide bars.

Main characteristics of the system:

Basic dimensions:	- fixed frame cross-section	mm. 76
	- wing cross-section	mm. 86
	- fin of rabbet for fixed frames	mm. 22 - 35 - 45 - 65
	- glass seat space	mm. 22
	- maximum width for glass or panel	mm. 70

Glass insertion with snap connection glazing bead;

Accessory housing seats: standard dimensions according to the 14-18 mm European air space;

Sealing obtained through central open joint gasket with weather strip inserted in the slot on the internal fin of the wing;

Application: the system allows for construction of plane surface fixtures, coplanar on the external side and the internal overlap, with rounded glass beading. It is possible to manufacture door and casement, or top-hung, one or more wing opening windows, fixed glazing panels, shop-windows, internal and/or external opening doors. The latter have an external/internal coplanar surface.

TECHNICAL NOTES

The weight of the sections is the theoretical and can vary according to the dimensional and thickness tolerances specified by UNI EN 12020-2 standard; The cutting dimension indicated in the appropriate forms are calculated on the basis of the nominal size. In practice these dimensions can be affected by extrusion tolerances; therefore they shall be rounded according to accuracy and type of measures set in the machines used. Diagrams, sections and wall situations which are most commonly found in practice and recommended solutions. Fixture mounting shall be in compliance with standards, requirements and specific recommendations existing in Italy.

The moments of inertia shown are theoretical.

The system of sections shown in this catalogue is patented; all data given in this catalogue are an indication and do not bind the system house which reserves the right to make any modifications deemed appropriate to improve products. All that is shown in this catalogue is property of TGP Sistemi. Any reproduction, even if partial, is forbidden by law unless expressly authorized.

DILATAZIONE TERMICA LINEARE

Qualunque corpo solido di qualsivoglia materiale, sottoposto ad una variazione di temperatura subisce una variazione di volume. Un aumento della temperatura del corpo solido comporta un corrispondente incremento di volume e viceversa una riduzione della temperatura genera un decremento di volume.

Normalmente le suddette variazioni di volume avvengono isotropicamente, ovvero il corpo solido subisce la stessa variazione percentuale di volume nelle tre dimensioni dello spazio.

Esistono comunque moltissimi casi in cui una dimensione del corpo solido prevale in maniera così evidente sulle rimanenti da rendere trascurabili, su queste ultime, gli effetti delle deformazioni conseguenti a variazioni della temperatura. Questo è proprio il caso dei profili estrusi in alluminio dove la lunghezza del profilato è notevolmente superiore alle dimensioni della sezione ortogonale alla lunghezza stessa.

In tal caso si può parlare di **dilatazione termica lineare**.

Il coefficiente di dilatazione termica lineare, indicato con il simbolo λ , in prima approssimazione può essere considerato una costante dipendente dal materiale ed esprime la variazione di lunghezza subita da una barra di un metro in seguito ad una variazione di temperatura di un grado centigrado.

L'entità della deformazione subita viene calcolata confrontando le dimensioni spaziali del corpo prima e dopo la variazione della temperatura.

L'allungamento ΔL è proporzionale all'aumento di temperatura ed alla lunghezza iniziale della barra e si calcola con la seguente equazione:

$$\Delta L = L_t - L_o = \lambda L_o (t - t_o)$$

ovvero:

$$L_t = L_o + \lambda L_o (t - t_o) = L_o [1 + \lambda (t - t_o)]$$

dove:

t_o = temperatura iniziale ;

t = temperatura finale ;

L_t = lunghezza alla temperatura t ;

L_o = lunghezza alla temperatura t_o ;

λ = coefficiente di dilatazione termica (vedi tabella seguente) ;

Tabella coefficienti di dilatazione lineare: la tabella indica per alcuni tipi di materiale, in rapporto al proprio coefficiente di dilatazione lineare, di quanti mm si allunga una sbarra lunga 1 metro in seguito all'aumento di 1°C di temperatura.

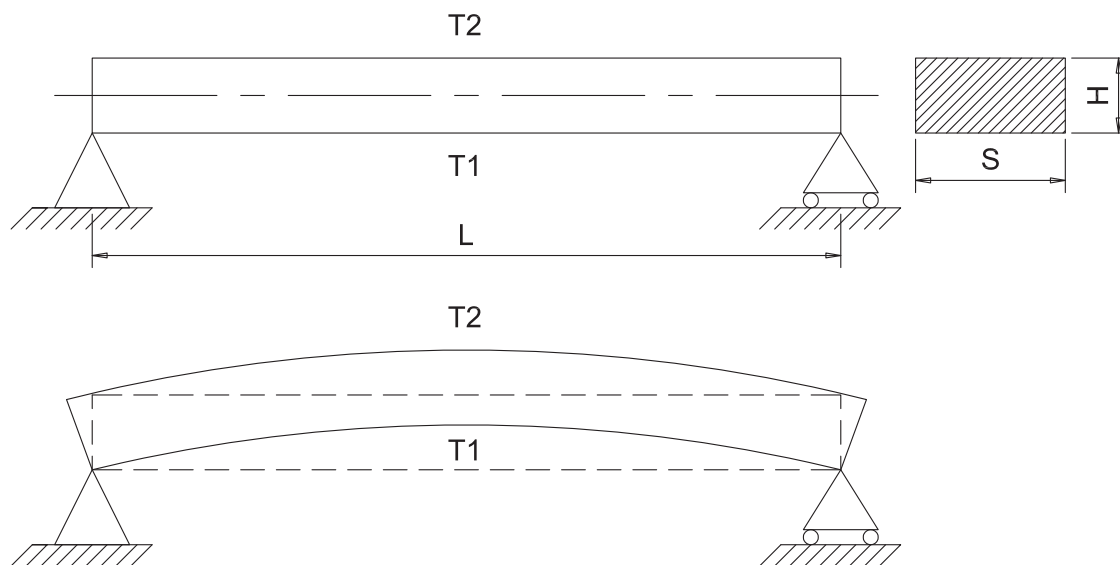
Materiale	$\lambda (^{\circ}\text{C}^{-1})$	Allungamento per aumento di 1°C per 1m di lunghezza (mm)
Acciaio	$11 \cdot 10^{-6}$	0,011
Alluminio	$24 \cdot 10^{-6}$	0,024
Ferro	$12 \cdot 10^{-6}$	0,012
P.V.C.	$70 \cdot 10^{-6}$	0,070
Vetro	$9 \cdot 10^{-6}$	0,009

DISTORSIONE TERMICA

I serramenti e le facciate continue tra le varie funzioni hanno anche quella, ben nota per il risparmio energetico, di separare ambienti aventi condizioni climatiche differenti. I profili estrusi in alluminio, siano essi a taglio termico o meno, sono quindi sottoposti a variazioni termiche notevoli. Queste variazioni sono particolarmente elevate nel periodo estivo quando la superficie esterna dei profilati è soggetta ad una elevata esposizione solare che, per il fenomeno dell'irraggiamento, genera un incremento di temperatura superficiale.

A causa di questo maggiore riscaldamento la parte esterna del profilo si dilata maggiormente rispetto a quella interna, generando una inflessione della barra, con estradosso rivolto verso l'esterno, che aumenta all'aumentare della differenza di temperatura tra le due superfici interna ed esterna del profilo stesso.

La situazione è illustrata nelle figure 1 e 2 dove il profilo è appoggiato alle estremità, è sottoposto ad una variazione termica lineare ΔT tra la superficie esterna, a temperatura T_2 esposta all'irraggiamento solare, e quella interna non esposta, a temperatura $T_1 < T_2$, e, a causa delle tensioni generate, subisce una inflessione con estradosso rivolto verso la superficie con temperatura più elevata.



Questo fenomeno, particolarmente visibile nelle aperture a nei profilati molto lunghi, è noto come **distorsione termica**, e questa deformazione, nei casi peggiori e durante le ore di maggiore irraggiamento solare, può causare difficoltà di apertura e chiusura di finestre e porte o generare altri tipi di malfunzionamento.

Il presente documento è da considerarsi di natura informativa ed ha l'unico scopo di informare i nostri clienti del fenomeno sopra descritto. La distorsione termica è sempre presente, in misura maggiore o minore, e non è completamente risolvibile con i materiali e le tecnologie attualmente disponibili per la costruzione di profilati per il settore edilizio.

La distorsione termica è ancor più evidente nei profili dotati di taglio termico che sono dotati di maggiori capacità isolanti e di conseguenza portano ad una maggiore differenza di temperatura tra le superfici interna ed esterna.

Esistono comunque alcune semplici procedure che, quando applicabili, possono considerevolmente ridurre gli effetti della deformazione termica:

- 1) la riduzione dell'esposizione diretta ai raggi solari
- 2) la riduzione della dimensione S della superficie esposta del profilo
- 3) l'utilizzo di finiture chiare del profilo
- 4) la riduzione della lunghezza L del profilo
- 5) l'utilizzo di profili aventi sezione di altezza H maggiore lungo il flusso di calore

Per ogni altra informazione o consulenza sulla correttezza di utilizzo dei profili, preghiamo di contattare l'Ufficio Tecnico TGP.

THERMAL LINEAR EXPANSION

Every solid body, irrespective of the material, when exposed to temperature variations, undergoes a change in volume. An increase in temperature of the solid body means a corresponding increase in volume, whereas a decrease in temperature creates a reduction in volume.

Normally, the variations in volume are uniformly distributed, in other words the solid body has an equal change of volume in all three dimensions.

However, many cases exist where one dimension of the solid body is particularly affected thus rendering the deformations caused by temperature variations of the other dimensions almost negligible. This is exactly the case with extruded aluminium profiles where the length of the profiles is much greater compared to the orthogonal section of the same profile. In this situation, the change in volume is referred to as **thermal linear expansion**

The coefficient of thermal linear expansion, indicated by the symbol λ , in general terms, can be considered a constant that depends on the material and represents the variation in length of a bar of one metre having undergone a temperature change of one degree.

The size of the deformation is calculated by comparing the dimensions of the bar before and after the temperature variation.

The increase in length ΔL is proportional to the increase in temperature and the initial length of the bar, it is calculated by using the following equation:

$$\Delta L = L_t - L_o = \lambda L_o (t - t_o)$$

or:

$$L_t = L_o + \lambda L_o (t - t_o) = L_o [1 + \lambda (t - t_o)]$$

where:

t_o = initial temperature ;

t = final temperature ;

L_t = length at temperature t ;

L_o = length at temperature t_o ;

λ = coefficient of thermal expansion (see following table) ;

The table below indicates for five materials the coefficient of thermal linear expansion, how many millimetres a one metre length bar expands having undergone a temperature increase of one degree.

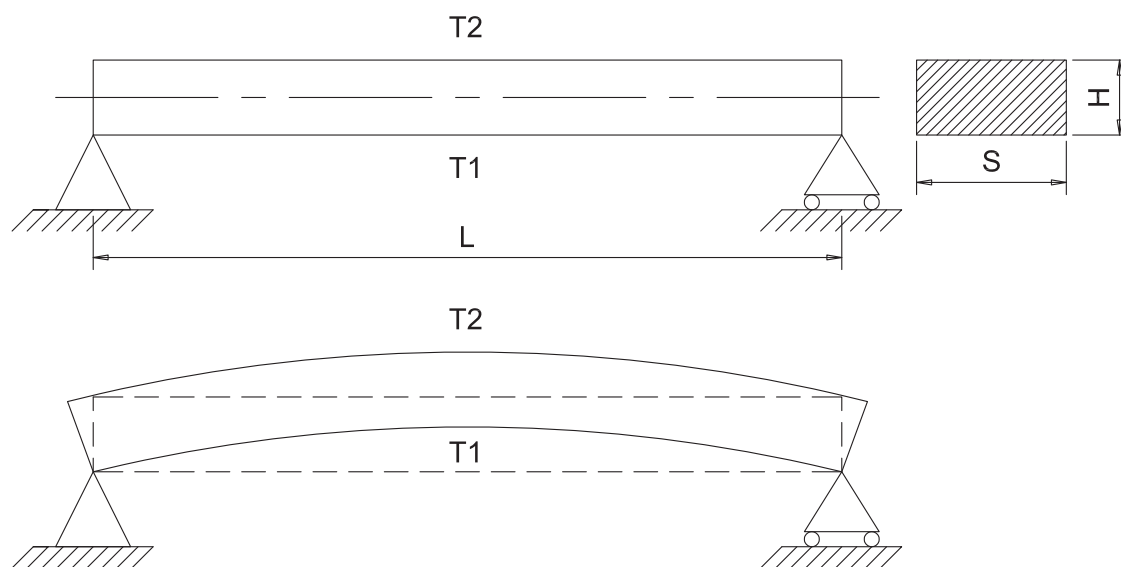
Material	$\lambda (^{\circ}\text{C}^{-1})$	Material length increase, 1 degree per 1m (mm)
Steel	$11 \cdot 10^{-6}$	0,011
Aluminium	$24 \cdot 10^{-6}$	0,024
Iron	$12 \cdot 10^{-6}$	0,012
P.V.C.	$70 \cdot 10^{-6}$	0,070
Glass	$9 \cdot 10^{-6}$	0,009

THERMAL DISTORTION

Window and door frames as well as curtain walling, among their many functions, well known for their energy-saving properties, to separate completely different environmental conditions. Extruded aluminium profiles that are used for window and door frames, either thermal break or not, are therefore exposed to large thermal variations. These variations are normally particularly extreme in the summer period, when the surface of the frames is subjected to strong sunlight that causes a substantial increase in temperature.

As a consequence of this heating, the surface exposed to the sun expands more compared to the side not exposed, thus causing an inflexion of the bar outward towards the external exposed surface, that increase with the difference of temperature between the internal and external surfaces of the profile.

The situation is illustrated in figure 1, where the profile is anchored at the ends, undergoes a temperature variation ΔT between the external exposed surface, at temperature T_2 , and the internal non-exposed surface, at temperature $T_1 < T_2$, and, because of the stress generated, an inflexion of the bar is caused, outward towards the more higher temperature surface.



This phenomenon, which is particularly visible on wing-opening and on very long transom, is known as **thermal distortion** and is the deformation that, in the worst cases and during the hours of max sunlight, can cause difficulty in opening and closing windows and doors or generate other types of malfunctioning.

The present document is intended to be only informative and has the purpose to inform all of our clients of the phenomenon described herein. The thermal distortion is always present, to a greater or lesser degree, and is not completely resolvable with the materials and technology currently available for the construction of profiles in the building sector. The thermal distortion is even more evident in thermal break profiles as they have a larger insulating capacity, and as a consequence a greater difference in temperature between the exposed and non-exposed surfaces. Nevertheless, there are some simple procedures, where it is possible to apply them, that can considerably reduce the effects of the thermal distortion:

- 1) the reduction of the exposure to direct sunlight
- 2) the reduction in size S of the exposed surfaces of the profile
- 3) the use of light colour finishing on the profile
- 4) the reduction of the length L of the profile
- 4) the use of a higher profile width H where there is the heat flow

For any further information or advice on the correctness of specific building systems, please contact the Technical Office of TGP.

DESCRIZIONE DI CAPITOLATO DEL SISTEMA TGP TH 76

I serramenti esterni da realizzare dovranno essere a Taglio Termico TGP TH 76, con tipologie composte da parti fisse e parti apribili ad anta, anta ribalta o a vasistas con le seguenti caratteristiche, requisiti ed oneri.

Profilati estrusi in lega di alluminio EN AW-6060 secondo le norme UNI EN 573/3 con stato fisico di fornitura T5.

La sezione del telaio fisso dovrà essere di mm 76, mentre l'anta a sormonto (all'interno) per finestre dovrà misurare mm 86: il sormonto dovrà essere di mm 10 e la fuga tra un profilo e l'altro di mm 6.

La tenuta per finestre e porte-finestre dovrà essere ottenuta tramite guarnizione centrale a giunto aperto.

Per quanto riguarda la tenuta all'aria, all'acqua ed al vento (UNI EN 12207 - 12208 - 12210) i serramenti dovranno garantire le seguenti classi di tenuta :

- Tenuta all' aria classe A4
- Tenuta all' acqua classe E1500
- Tenuta al vento classe C5
-

I profili, sia di telaio che di anta, dovranno essere realizzati secondo il principio delle 3 camere, costituiti da profili esterni tubolari e dalla zona di isolamento per garantire una buona resistenza meccanica e giunzioni a 45° e 90° stabili e ben allineate.

La battuta dei profili di telaio fisso dovrà essere di mm 22; i semiprofilati esterni dei profili di cassa dovranno essere dotati di una sede dal lato muratura per consentire l'eventuale inserimento di coprifili mediante clips a scatto per la finitura del raccordo alla struttura edile.

Le pareti in vista, interne ed esterne, dei profili dovranno avere spessore minimo di mm 1,6 con tolleranze previste dalla norma UNI EN 12020-2.

Il collegamento tra la parte interna e quella esterna dei profili dovrà essere realizzato in modo continuo e definitivo mediante listelli di materiale sintetico termicamente isolante (Poliammide).

La sede in alluminio destinata all'alloggiamento della barretta dovrà essere zigrinata prima dell'inserimento della stessa per aumentare la resistenza allo scorrimento del giunto dopo l'accoppiamento meccanico tramite rullatura; per i requisiti, i relativi metodi di prova e le caratteristiche dei profilati in lega di alluminio ad interruzione di ponte termico (Taglio Termico) ci si dovrà riferire alla norma UNI EN 14024:2005.

La larghezza dei listelli dovrà essere di mm 42 per tutti i profili.

Su tutti i telai, fissi ed apribili, dovranno essere eseguite le lavorazioni atte a garantire il drenaggio dell'acqua verso l'esterno nella camera del giunto aperto (i semiprofilati esterni del telaio dovranno avere le pareti trasversali posizionate più basse nella parte esterna per facilitare il drenaggio), attorno ai vetri per la rapida compensazione dell'umidità dell'anta nella camera di contenimento delle lastre; il drenaggio e la ventilazione dell'anta dovrà avvenire tramite opportune asolature.

Le asole di drenaggio dei telai dovranno essere protette esternamente con apposite conchiglie.

Le giunzioni a 45° dovranno essere effettuate per mezzo di apposite squadrette in lega di alluminio con montaggio a cianfrinare o avvitare in lega di alluminio ed inserimento di colla monocomponente; il taglio dell'alluminio dovrà essere protetto e sigillato tramite sigillante trasparente.

Le giunzioni a 90° dovranno essere realizzate attraverso appositi cavallotti o ad avvitare nelle apposite sedi dei profili.

Le sedi di alloggiamento accessori dovranno essere a dimensione standard secondo camera europea 14-18. I particolari soggetti a logorio dovranno essere montati e bloccati per contrasto onde consentire rapidamente un'eventuale regolazione o sostituzione anche da personale non specializzato e senza lavorazioni meccaniche.

I sistemi di movimentazione e chiusura dovranno essere scelti in base alle dimensioni ed al peso dell'anta. La chiusura dell'anta dovrà essere garantita da una maniglia a cremonese che comanderà, tramite un'asta più punti di chiusura.

L'accessorio dell'anta - ribalta dovrà essere dotato della sicurezza contro l'errata manovra. L'apparecchiatura di movimentazione dovrà avere una portata a seconda delle dimensioni e del peso delle ante e resistere alla corrosione a norma DIN 50021-SS.

DESCRIZIONE DI CAPITOLATO DEL SISTEMA TGP TH 76

Le finestre a wasistas potranno, a seconda delle dimensioni e del tipo di comando richiesto, essere realizzate con cricchetti posti sul traverso superiore e due braccetti di arresto (sganciabili per pulizia) .

Le finestre a due ante, in corrispondenza del profilo di riporto del nodo centrale, sopra e sotto dovranno essere impiegati particolari tappi di tenuta che si raccorderanno alla guarnizione di tenuta verticale e garantiranno continuità alla battuta orizzontale dell'anta evitando così infiltrazioni localizzate di acqua ed aria.

Tali tappi dovranno essere realizzati in gomma termoplastica.

La chiusura dell'anta principale dovrà essere eseguita con una maniglia a cremonese che azionerà due chiusure (sopra e sotto) ed eventuali punti di chiusura supplementari intermedi.

La chiusura dell'anta di servizio potrà essere effettuata , a seconda delle dimensioni e delle modalità di manovra con appositi catenacci.

Nelle finestre e nelle porte-finestre con apertura ad anta o anta-ribalta possono essere previsti i braccetti limitatori di apertura onde prevenire che l'elemento apribile interferisca con il telaio fisso deformandosi e/o provocando rotture dell'apparecchiatura.

Tutte le guarnizioni tra i profili dovranno essere incollate e sigillate con colla per metalli poliuretani a 2 componenti.

Le guarnizioni cingivetro dovranno essere in EPDM e compenseranno le sensibili differenze di spessore inevitabili nelle lastre di vetrocamera e/o stratificate garantendo contemporaneamente una corretta pressione di lavoro perimetrale.

Quella esterna dovrà distanziare il tamponamento di 4 mm dal telaio metallico.

La guarnizione complementare di tenuta, anch'essa in EPDM , dovrà adottare il principio dinamico della precamera di turbolenza di grande dimensione (a giunto aperto) .

Dovrà garantire un' accoppiamento ottimale con il profilo ed avere la battuta su un'aletta del listello isolante per la protezione totale dei semiprofilo interni.

La continuità perimetrale della giunzione dovrà essere assicurata tramite l'impiego di angoli vulcanizzati i quali, forniti di apposita spallatura, faciliteranno l'incollaggio della guarnizione stessa.

Le dilatazioni dovranno essere assorbite dal giunto con la muratura; il fissaggio del manufatto dovrà avvenire su fori asolati per consentire le variazioni dimensionali dello stesso, con l'impiego di rondelle in materiale antifrizione e isolante.

I profili fermavetro dovranno essere inseriti a scatto o tramite clips e dovranno tenere conto in tutti e due i casi delle tolleranze dimensionali dei profili e degli spessori aggiunti nel caso di verniciatura per garantire un corretto aggancio in qualsiasi situazione; dovranno essere sagomati in modo tale da supportare a tutta altezza la guarnizione cingivetro interna per consentire una pressione ottimale sulla lastra del vetro.

L' altezza della sede vetro dovrà essere di 22 mm.

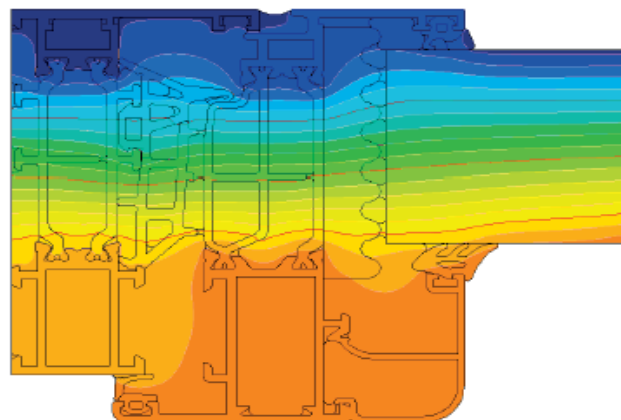
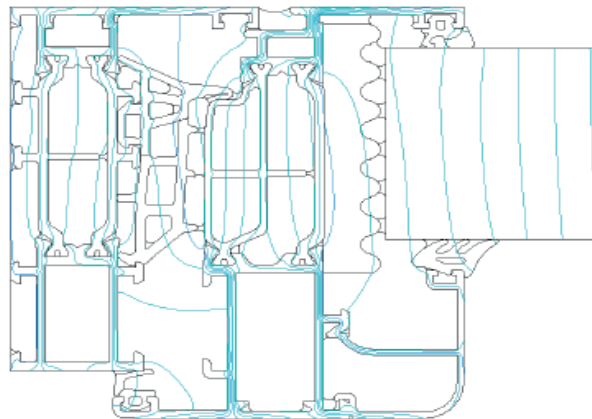
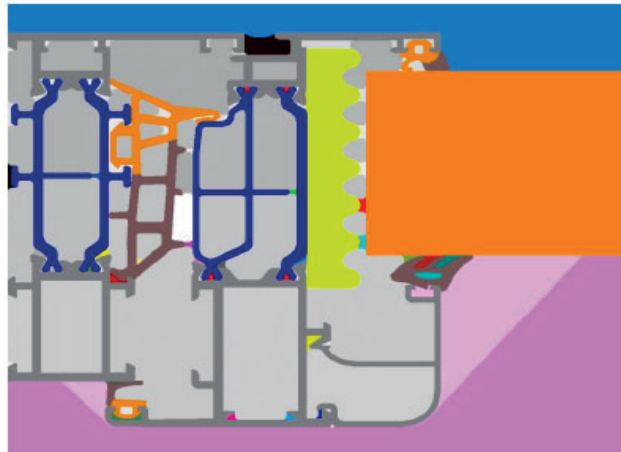
I tasselli per lo spessoramento dei vetri dovranno essere realizzati in modo da non impedire il corretto drenaggio e ventilazione della sede del vetro con una durezza compresa tra i 60 e gli 80 shore.

La finitura dei profili e di tutti gli elementi in alluminio dovrà essere realizzata mediante verniciatura con polveri termoindurenti a base di resine poliesteri TGIC , secondo la normativa UNI 9983 con colorazione RAL e tonalità a scelta della D.L.L. su campionatura fornita dall'impresa appaltatrice.

In ogni caso si dovranno esse osservare i criteri previsti per l'ottenimento del Marchio Qualanod, per l'ossidazione e Qualicoat, per la verniciatura: non dovrà essere superata la temperatura massima di 190 °C per oltre 15 minuti, al fine di non pregiudicare le caratteristiche meccaniche e dimensionali della barretta di poliammide.

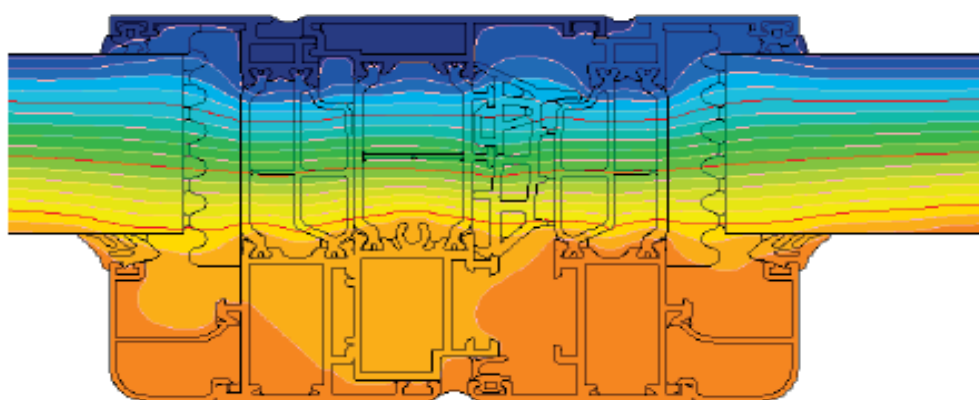
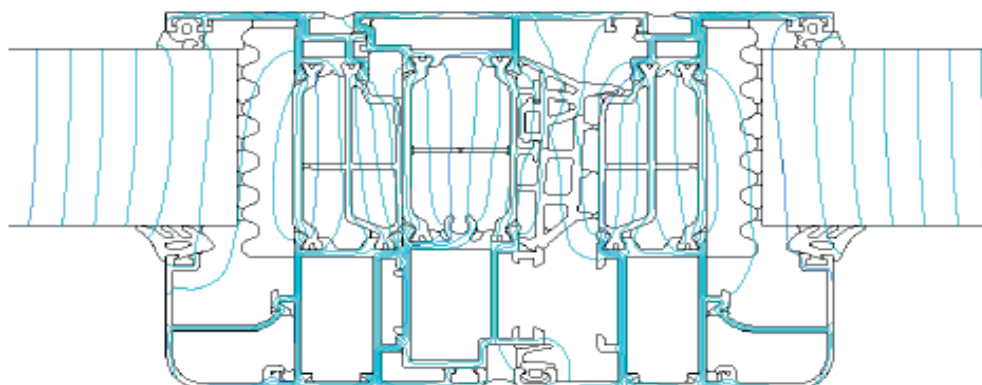
E' inoltre compresa nel presente lavoro tutta la ferramenta prevista per la corretta apertura e chiusura del serramento quali maniglie, chiavistelli, boccole e così via: i raccordi, la sigillatura a parete, a soffitto e ai davanzali nonché tutte le opere morte necessarie in tubolare di acciaio per il fissaggio dei serramenti alle murature.

Valore Uf senza low-e foil Uf value without low-e foil



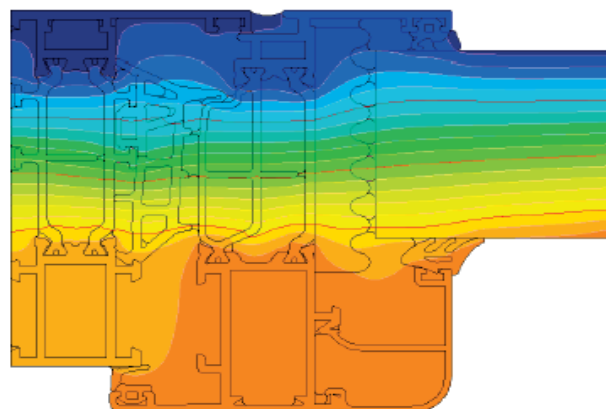
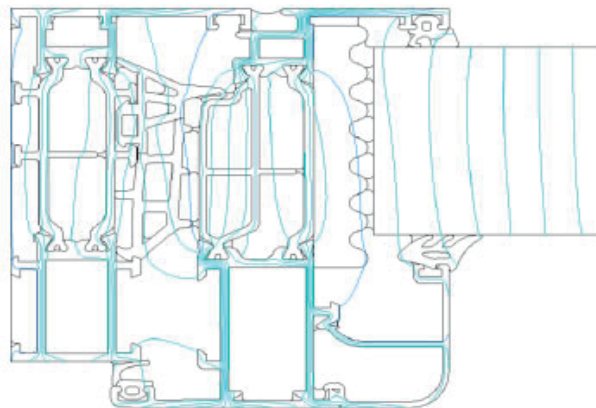
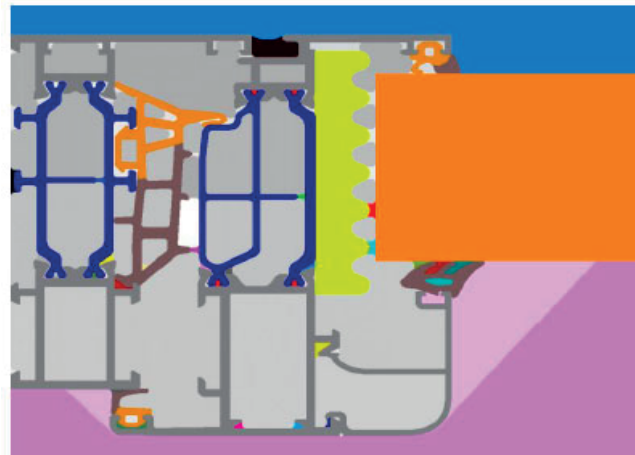
$$U_f = 1,336 \text{ W/m}^2\text{K}$$

Valore U_f senza low-e foil
 U_f value without low-e foil



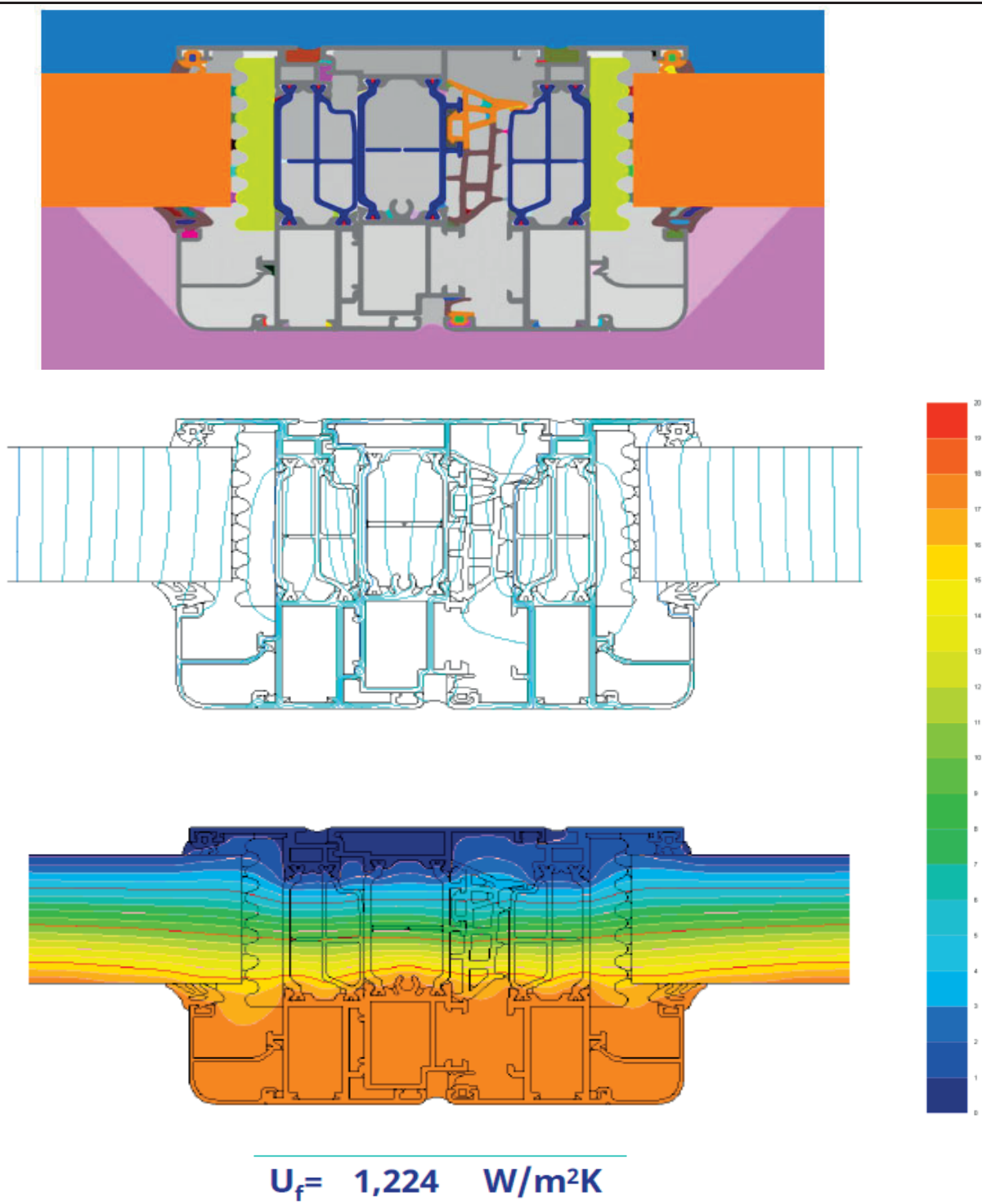
$$U_f = 1,308 \text{ W/m}^2\text{K}$$

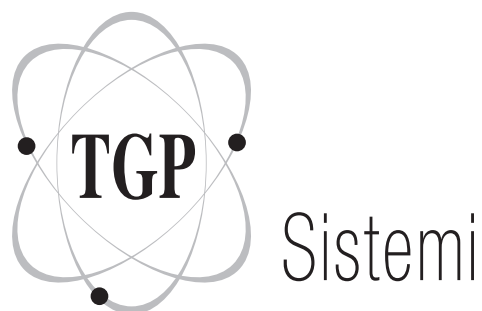
Valore Uf con low-e foil Uf value with low-e foil



$$U_f = 1,275 \text{ W/m}^2\text{K}$$

Valore Uf con low-e foil Uf value with low-e foil





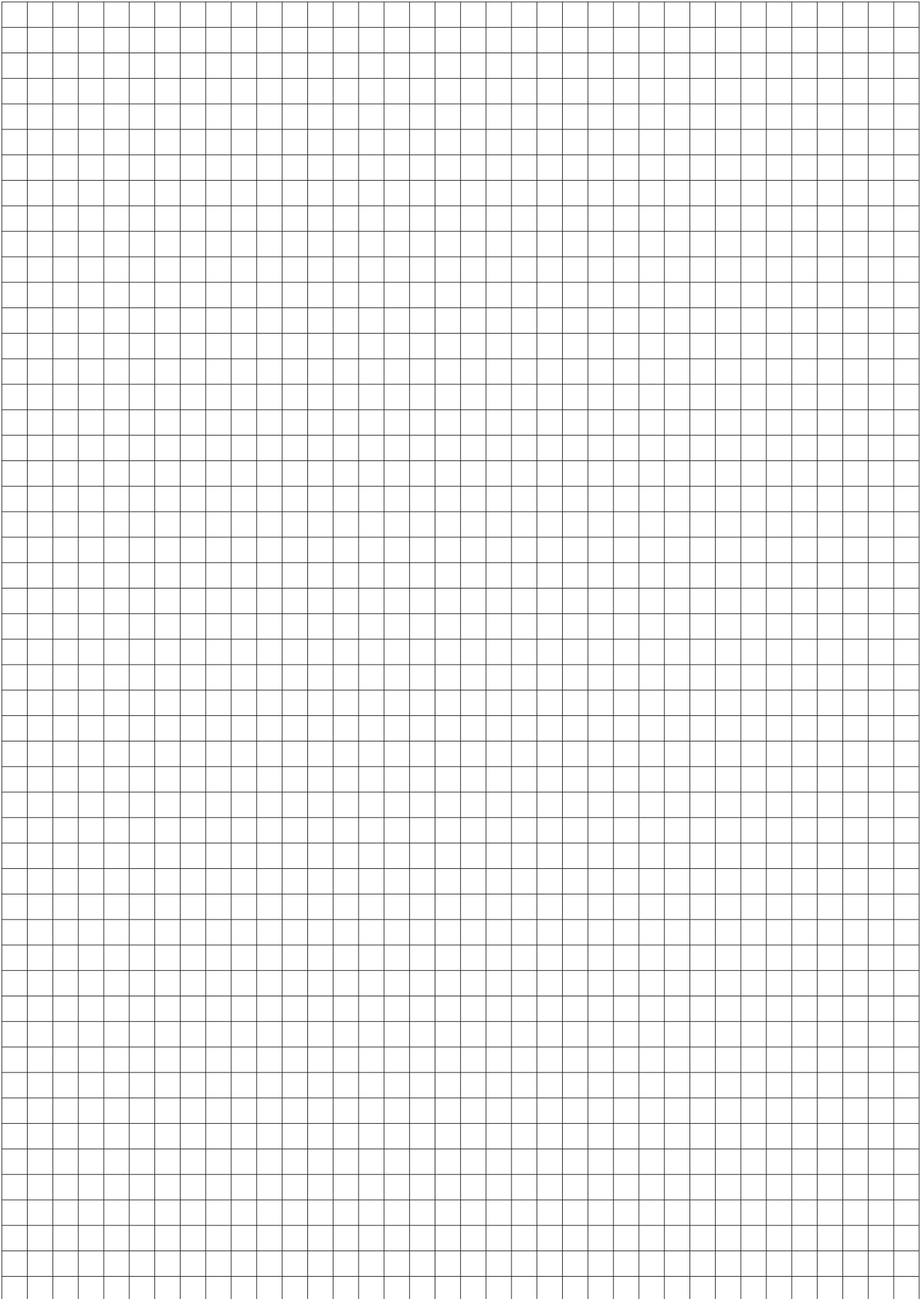
Accessori,
Guarnizioni, Attrezzature

Accessories,
Gaskets, Equipment

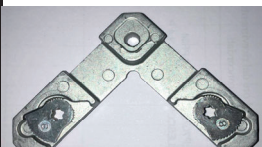
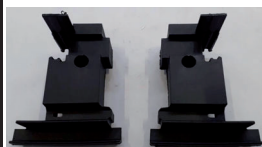


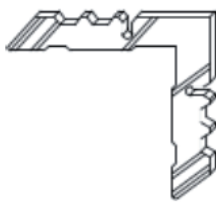
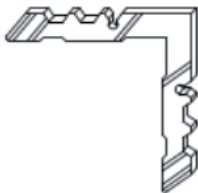
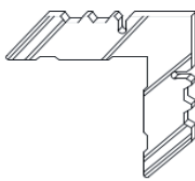
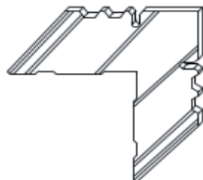
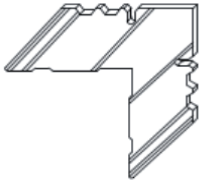
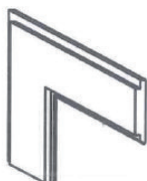
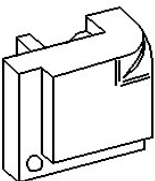
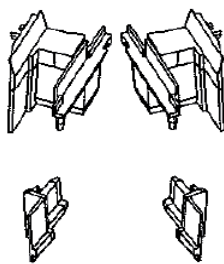
Sistemi

TW76

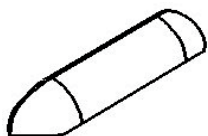
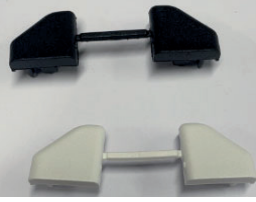
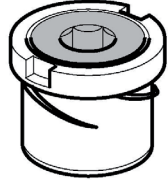
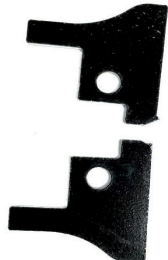
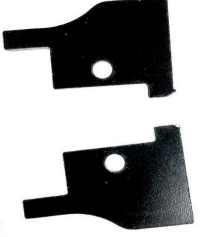


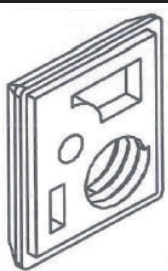
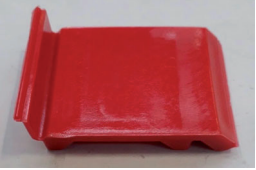
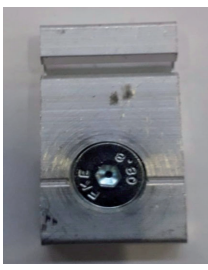
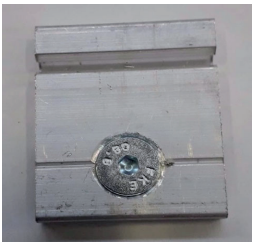
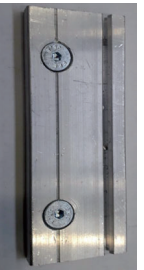
Accessori / Accessory

	art. AK.83701 Squadretta interna a cianfrinare telai piccoli Internal corner joint locked by crimping for small fixed frames		art. AK.68718 CROSS Squadretta allineamento esterna intersezione traversi External alignment corner joint
	art. AK.68704 Squadretta interna a cianfrinare ante piccole Internal corner joint locked by crimping for small wings		art. AK.68718 Squadretta allineamento esterna telai/ante External alignment corner joint
	art. AK.83702 Squadretta interna a cianfrinare telai medi Internal corner joint locked by crimping for medium fixed frames		art. AK.68725 Squadretta allineamento anta super Slim Alignment corner joint
	art. 174-1804 Squadretta interna a cianfrinare ante medie - anta maggiorata P.16 Internal corner joint locked by crimping for medium wings		art. AK.76815 Tappi di tenuta a giunto aperto per profilo di riporto C.E. Seal plug for central rabbet
	art. AK83703 Squadretta interna a cianfrinare telai maggiorati Internal corner joint locked by crimping for oversize fixed frames		art. AK.76814 Tappi di tenuta a giunto aperto per profilo di riporto P.16 Seal plug for central rabbet
	art. 174-1806 Squadretta interna a cianfrinare ante maggiorate ed esterna ante apertura esterna Internal corner joint locked by crimping for oversize wings		art. AK.76817 Tappi di tenuta per profilo di riporto Apertura esterna Seal plug for central rabbet

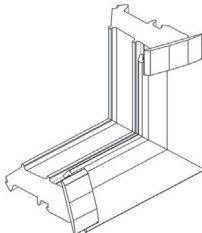
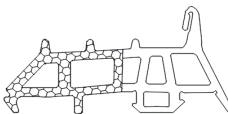
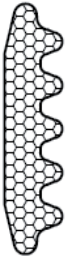
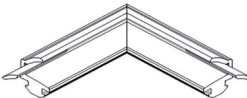
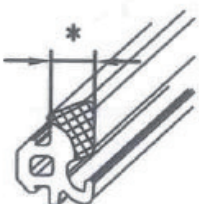
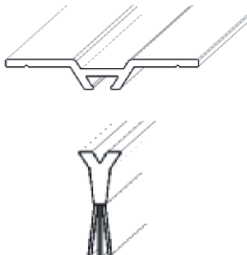
Accessori / Accessory			
	art. AK.83717 Cavallotto interno per telai piccoli Internal "T" joint for small fixed frames		art. AK.68707 Squadretta esterna a spinare telai piccoli External corner joint locked by crimping for small fixed frames
	art. AK.83719 Cavallotto interno per telai medi Internal "T" joint for medium fixed frames		art. AK.68710 Squadretta esterna a spinare ante piccole External corner joint locked by crimping for small wings
	art. AK.83721 Cavallotto interno per telai maggiorati Internal "T" joint for oversize fixed frames		art. AK.68708 Squadretta esterna a spinare ante e telai medi External corner joint locked by crimping for medium fixed frames
	art. AK.83730 Squadretta interna angolo variabile telai fissi medi		art. AK.68709 Squadretta esterna a spinare telai maggiorati External corner joint locked by crimping for oversize fixed frames
	art. AK.68712 Squadretta esterna a spinare ante maggiorate External corner joint locked by crimping for oversize wings		art. AK.94139 Squadretta in nylon di allineamento Corner joint
	art. AK.93559 Angolo in zama per fermavetro arrotondato Zamak angle for rounded glass beading		art. AK.76813 Tappi di tenuta soluzione Z T Seal plug for Z T solution

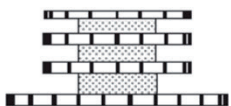
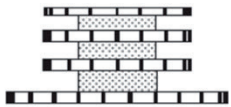
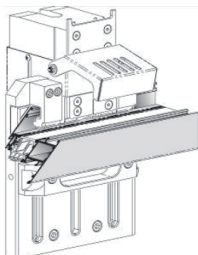
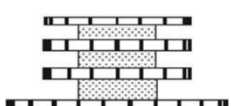
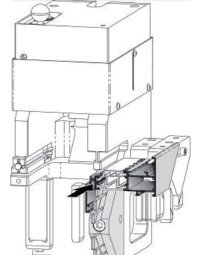
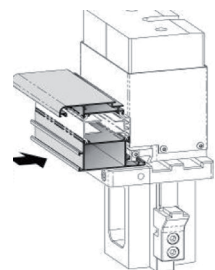
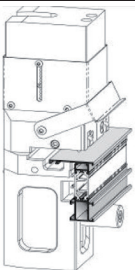
Accessori / Accessory

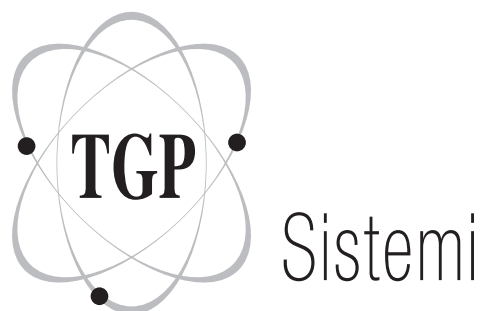
	art. AK.90733 Cappetta copri asola di drenaggio acqua Cover cup for drainage water buttonhole		art. AK.93540 Coppia tappi per gocciolatoio EK.14505 bianchi o neri (Nylon) Plugs for EK.14505 black or white(Nylon)
	art. AK.73802 Rapid block Z/P Rapid block Z/P		art. AK.93541 Coppia tappi per gocciolatoio EK.14570 Plugs for EK.14570
	art. AK.68715 Spina in zama 3 x 5,5 ante piccole e medie 3 x 5,5 zamak pin		art. AK.93542 Coppia tappi per gocciolatoio EK.14569 Plugs for EK.14569
	art. AK.73715 Spina in zama 3,3 x 8 telai ed ante maggiorate 3,3 x 8 zamak pin		art. WA10051 Sigillante trasparente per la protezione delle parti tagliate e lavorate Transparent sealant for the protection of cut and machined parts
	art. AK.73714 Viti per squadrette interne telai Confezione da 100 pz. Screw for frame corner joint		
	art. AK.73718 Viti per squadrette interne ante piccole Confezione da 100 pz. Screw for wing corner joint		

Accessori / Accessory			
	art. AK.73804 Grano mm.20 per distanziatore in alluminio		art. AK.73802 Regolo distanziatore Frame glass support
	art. AK.76803 Tassello vetro per ante Wing glass support		art. AK.93813 Regolo distanziatore Frame glass support
	art. AK.76804 Tassello vetro per ante Wing glass support		art. EG-0052 Tondino per farnavetri antieffrazione Gasket for glass beading
	art. AK.68720 Cavallotto esterno per KK.76012-76044 T joint		art. 105-7510 Squadretta di allineamento Alignment corner joint
	art. AK.68722 Cavallotto esterno per KK.76014-76050 T joint		art. 0409 Squadretta Corner joint
	art. AK.68724 Cavallotto esterno per fascie/zoccoli T joint		

Guarnizioni / Gaskets

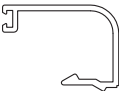
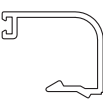
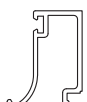
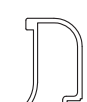
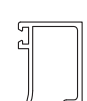
	art. GK.80157 Guarnizione di vetratura interna spessore 3/4 mm Mm 3/4 thick internal glass beading		art. GK.83553 Guarnizione di vetratura interna spessore 6/7 mm Mm 6/7 thick internal glass beading gasket
	art. GK.80158 Guarnizione di vetratura interna spessore 5/6 mm Mm 5/6 thick internal glass beading		art. GK.76556 Angolo vulcanizzato per pinna centrale art. AK.68555 Vulcanized angle for gasket art. AK.68555
	art. GK.80159 Guarnizione di vetratura interna spessore 7/8 mm Mm 7/8 thick internal glass beading		art. GK.76555 Guarnizione di tenuta centrale a giunto aperto Open joint central seal
	art. GK.68554 Guarnizione di battuta interna Internal rabbet gasket		art. GK-0023 Inserto isolante sottovetro Insulating insert under glass
	art. GK-68557 Angolo vulcanizzato per guarnizione battuta Vulcanized angle for gasket GK-68554		art. GK-83559 Guarnizione appoggio muro Frame wall insulation gasket
	art. GK.83551 Guarnizione di vetratura esterna spessore 4 mm. Mm 4 thick external glass beading		art. GK.73551 Profilo rigido sotto zoccolo ordinare con spazzolino RG44C Rigid profile low transom to order with RG44C brush

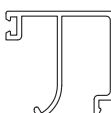
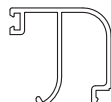
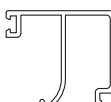
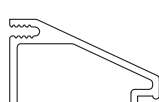
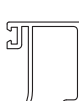
Attrezzature / Equipment			
	art. AT-76001 Gruppo frese per traversi su telai fissi Scheda 6.06 Milling cutter for transom for fixed frames Table 6.06		art.TGP-007 Punzonatrice 2990025 OEMME Punching machine OEMME
	art. AT-76002 Gruppo frese per traversi su ante geometriche Scheda 6.07 Milling cutter for transom for geometric wings Table 6.06		art. TGP-409.01.32 Tranciante aerazione ante Cutter tool for wing aeration
	art. AT-76003 Gruppo frese per intestatura ante T-Z Milling cutter for tooling T-Z wings		art. TGP-409.01.33 Tranciante squadrette ante/telai Cutter tool for corner joint wing/frame
	art. TGP-409.01.30 Tranciante: cemonese-foratura asta-pulitura alette		art. TGP-005 Punzonatrice 2990032 OEMME Punching machine OEMME
	art. TGP-409.01.31 Tranciante scarico acqua Cutter tool for water drainage		art. TGP-270 Basamento 29900223 OEMME Basement
	art.TGP-269 Basamento 29900223 OEMME Basement		

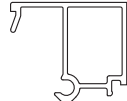
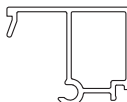
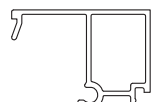
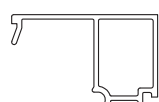
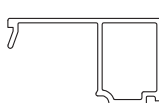


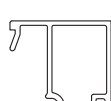
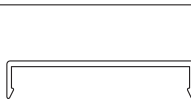
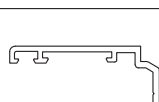
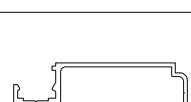
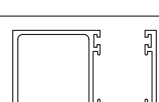
Lista Profili,
Profili scala 1:1

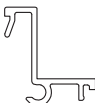
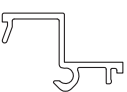
Profiles List,
Profiles 1:1

Codice	Sagoma 	Peso Kg/m.	Designazione	Perimetro esterno mm.	Perimetro in vista mm.	Scheda	Jx cm ⁴	Wx cm ³
							Jy cm ⁴	Wy cm ³
EK.06179		0,166	Fermavetro da 3 mm Glass beading 3 mm	92	26	3.49		
EK.13088		0,300	Fermavetro arrotondato da 31 mm Rounded glass beading 31 mm	148	48	3.53		
EK.13089		0,225	Fermavetro arrotondato da 13 mm Rounded glass beading 13 mm	112	30	3.53		
EK.13090		0,245	Fermavetro arrotondato da 17 mm Rounded glass beading 17 mm	120	34	3.53		
EK.13091		0,265	Fermavetro arrotondato da 23 mm Rounded glass beading 23 mm	132	40	3.53		
EK.14505		0,299	Gocciolatoio Water drainage	130	38	3.56		
EK.25105		0,280	Fermavetro arrotondato da 27 mm Rounded glass beading 27 mm	140	44	3.53		
16185		0,237	Fermavetro da 10 mm Glass beading 10 mm	150	31	3.49		
16186		0,243	Fermavetro da 13 mm Glass beading 13 mm	152	35	3.49		
16187		0,232	Fermavetro arrotondato da 13 mm Rounded glass beading 13 mm	147	31	3.51		
16188		0,233	Fermavetro arrotondato da 15 mm Rounded glass beading 15 mm	143	33	3.51		
16189		0,252	Fermavetro da 17 mm Glass beading 17 mm	159	39	3.49		

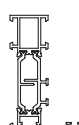
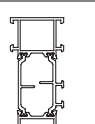
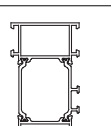
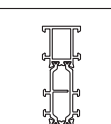
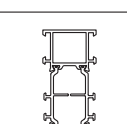
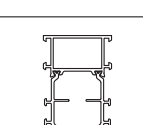
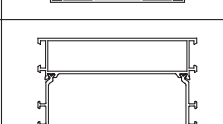
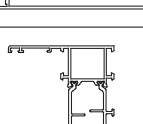
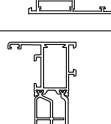
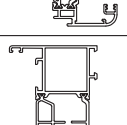
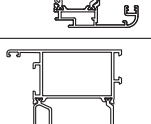
Codice	Sagoma 	Peso Kg/m.	Designazione	Perimetro esterno mm.	Perimetro in vista mm.	Scheda	Jx cm ⁴	Wx cm ³
							Jy cm ⁴	Wy cm ³
16190		0,242	Fermavetro arrotondato da 17 mm Rounded glass beading 17 mm	154	35	3.51		
16191		0,290	Fermavetro da 23 mm Glass beading 23 mm	183	44	3.50		
16192		0,280	Fermavetro arrotondato da 23 mm Rounded glass beading 23 mm	177	41	3.51		
16193		0,303	Fermavetro da 27 mm Glass beading 27 mm	190	48	3.50		
16194		0,293	Fermavetro arrotondato da 27 mm Rounded glass beading 27 mm	185	45	3.51		
16195		0,310	Fermavetro da 29 mm Glass beading 29 mm	195	50	3.50		
16196		0,300	Fermavetro arrotondato da 29 mm Rounded glass beading 29 mm	189	47	3.52		
16197		0,316	Fermavetro da 31 mm Glass beading 31 mm	199	52	3.50		
16198		0,306	Fermavetro arrotondato da 31 mm Rounded glass beading 31 mm	194	49	3.48		
EK.16588		0,470	Scivolo per soglia bassa Profile for threshold	174	50	3.56		
19712		0,242	Fermavetro da 15 mm Glass beading 15 mm	149	36	3.49		
22618		0,271	Fermavetro da 20 mm Glass beading 20 mm	170	42	3.49		

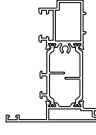
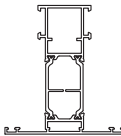
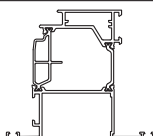
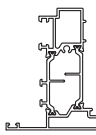
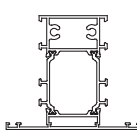
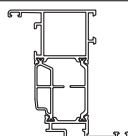
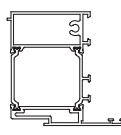
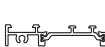
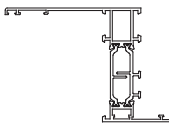
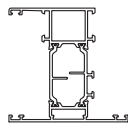
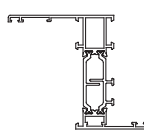
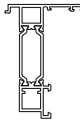
Codice	Sagoma 	Peso Kg/m.	Designazione	Perimetro esterno mm.	Perimetro in vista mm.	Scheda	Jx cm ⁴	Wx cm ³
							Jy cm ⁴	Wy cm ³
22619		0,260	Fermavetro arrotondato da 20 mm Rounded glass beading 20 mm	165	38	3.51		
24523		0,270	Copertina per rinforzo Cover for reinforced profile	123	39	3.58		
24524		1,423	Rinforzo Reinforced profile	460	162	3.58	37.64	12.6
							18.1	8.2
24528		0,366	Fermavetro da 31 mm Glass beading 31 mm	141	53	3.47		
24556		0,372	Fermavetro da 33 mm Glass beading 33 mm	145	55	3.47		
24557		0,385	Fermavetro da 37 mm Glass beading 37 mm	153	59	3.47		
24558		0,392	Fermavetro da 39 mm Glass beading 39 mm	157	61	3.48		
24559		0,399	Fermavetro da 41 mm Glass beading 41 mm	159	63	3.48		
24560		0,407	Fermavetro da 43 mm Glass beading 43 mm	161	65	3.48		
24561		0,407	Fermavetro da 45 mm Glass beading 45 mm	163	67	3.48		
24565		0,233	Fermavetro da 4 mm Glass beading 4 mm	115	26	3.46		
24566		0,255	Fermavetro da 10 mm Glass beading 10 mm	133	32	3.46		

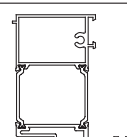
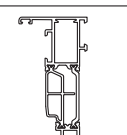
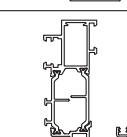
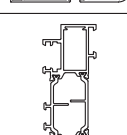
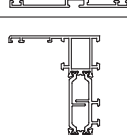
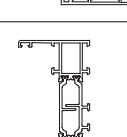
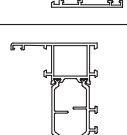
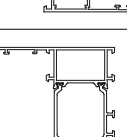
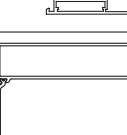
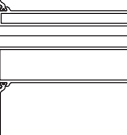
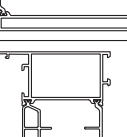
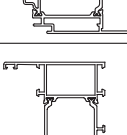
Codice	Sagoma 	Peso Kg/m.	Designazione	Perimetro esterno mm.	Perimetro in vista mm.	Scheda	Jx cm ⁴	Wx cm ³
							Jy cm ⁴	Wy cm ³
24567		0,265	Fermavetro da 13 mm Glass beading 13 mm	139	35	3.46		
24568		0,272	Fermavetro da 15 mm Glass beading 15 mm	143	37	3.46		
24569		0,279	Fermavetro da 17 mm Glass beading 17mm	147	39	3.46		
24570		0,332	Fermavetro da 20 mm Glass beading 20 mm	114	42	3.46		
24571		0,340	Fermavetro da 23 mm Glass beading 23 mm	125	45	3.47		
24572		0,352	Fermavetro da 27 mm Glass beading 27 mm	133	49	3.47		
24573		0,359	Fermavetro da 29 mm Glass beading 29 mm	137	51	3.47		
EK.76064		0,260	Coprifilo Cover	136	70	3.56		
EK.83170		0,289	Battuta riportata da 35 mm Additional rabbet 35 mm	143	40	3.58		
EK.83206		0,500	Riporto per spalla monoblocco Additional monoblock profile	177	31	3.57		
EK.83207		1,090	Guida tapparella Rolling shutter guide	449	45	3.57		
EK.83208		0,500	Celino monoblocco Upper monoblock profile	177	31	3.57		

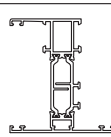
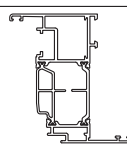
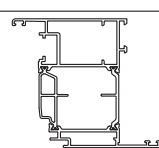
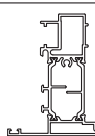
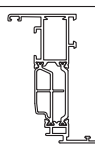
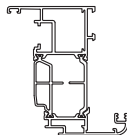
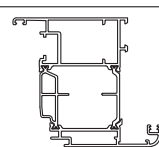
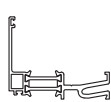
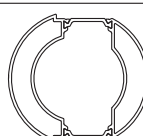
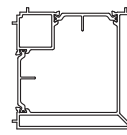
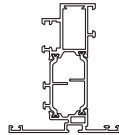
Codice	Sagoma 	Peso Kg/m.	Designazione	Perimetro esterno mm.	Perimetro in vista mm.	Scheda	Jx cm ⁴	Wx cm ³
							Jy cm ⁴	Wy cm ³
EK.83262		0,471	Battuta riportata da 70 mm Additional rabbet 70 mm	213	75	3.58		
24676		0,251	Fermavetro da 21 mm Glass beading 21 mm	118	42	3.54		
26561		0,257	Fermavetro da 25 mm Glass beading 25 mm	130	46	3.54		
26562		0,272	Fermavetro da 29 mm Glass beading 29 mm	138	51	3.54		
26563		0,227	Fermavetro da 23 mm Glass beading 23 mm	114	38	3.54		
26564		0,242	Fermavetro da 27 mm Glass beading 27 mm	122	44	3.54		
26565		0,257	Fermavetro da 31 mm Glass beading 31 mm	130	46	3.54		
26566		0,273	Fermavetro da 35 mm Glass beading 35 mm	130	50	3.54		
26567		0,287	Fermavetro da 39 mm Glass beading 39 mm	146	54	3.54		
26572		0,196	Fermavetro da 19 mm Glass beading 19 mm	94	34	3.54		
EK.14569		0,544	Profilo per trasformare anta in zoccolo Additional profile to change wing in low transom	163	42	3.56		
EK.14570		0,407	Gocciolatoio soglia Water drainage	134	31	3.56		

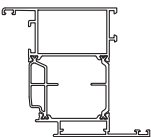
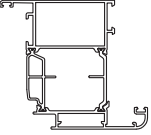
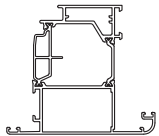
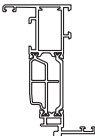
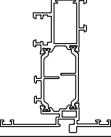
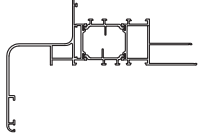
Codice	Sagoma 	Peso Kg/m.	Designazione	Perimetro esterno mm.	Perimetro in vista mm.	Scheda	Jx cm ⁴	Wy cm ³
							Jy cm ⁴	Wy cm ³
6026		0,893	Imbotte telescopico da 44,5 mm Expansion fixed frame	331	129	3.60		
6027		1,023	Imbotte telescopico da 69,5 mm Expansion fixed frame	380	154	3.60		
6028		1,138	Imbotte telescopico da 94,5 mm Expansion fixed frame	430	179	3.61		
6029		0,716	Imbotte telescopico da 75 mm Expansion fixed frame	250	73	3.61		
11059		1,650	Imbotte telescopico da 134,5 mm Expansion fixed frame	510	210	3.61		
EK.73022		0,235	Soglia Threshold	80	45	3.45		
24611		0,327	Fermavetro da 31 mm Glass beading 31 mm	129	47	3.55		
24612		0,300	Fermavetro da 23 mm Glass beading 23 mm	113	39	3.55		
32200		0,256	Fermavetro da 15 mm Glass beading 15 mm	89	31	3.55		
32201		0,346	Fermavetro da 37 mm Glass beading 37 mm	141	53	3.55		

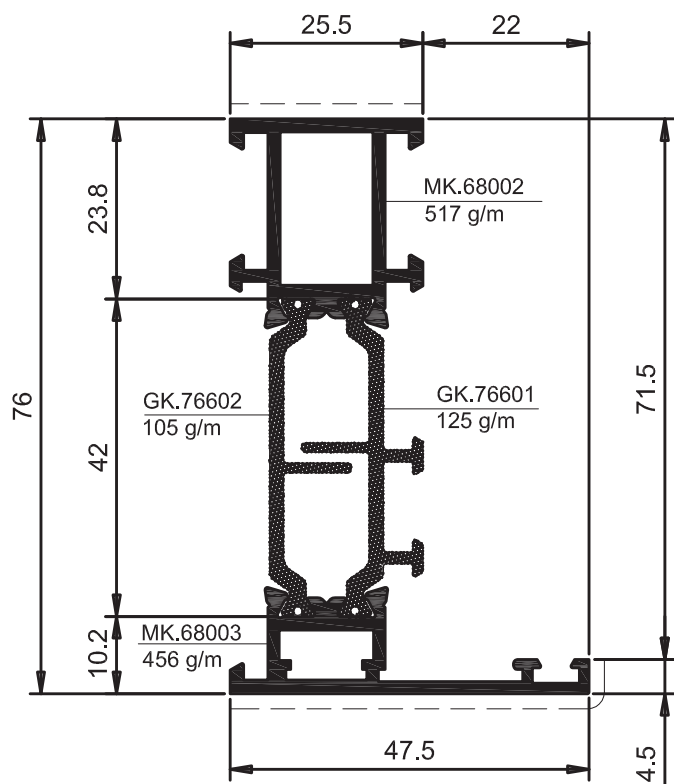
Codice	Sagoma 	Peso Kg/m.	Designazione	Perimetro esterno mm.	Perimetro in vista mm.	Scheda	Jx cm ⁴	Wy cm ³
							Jy cm ⁴	Wy cm ³
KK.76001		1,223	Telaio Fisso "L"	349	78	3.11	32.42	
							4.33	
KK.76004		1,425	Telaio Fisso "L" medio	369	98	3.11	39.16	
							8.44	
KK.76007		1,616	Telaio Fisso "L" maggiorato	389	118	3.12	45.77	
							14.77	
KK.76010		1,316	Telaio Fisso "T" 26/70 mm.	427	104	3.14	36.54	
							7.54	
KK.76012		1,530	Telaio Fisso "T" 36/80 mm.	447	124	3.14	43.29	
							12.86	
KK.76014		1,721	Telaio Fisso "T" 46/90 mm.	467	144	3.15	49.92	
							20.58	
KK.76019		2,887	Fascia da 150/106 mm. per Telaio Fisso e Mobile	588	265	3.20	89.95	
							139.28	
KK.76022		2,966	Zoccolo da 150/128 mm. per Telaio Fisso e Mobile	610	287	3.21	96.35	
							153.7	
KK.76024		1,611	Telaio Fisso "Z" 71/58 mm.	464	137	3.16	48.55	
							18.22	
KK.76026		1,527	Anta Slim Arrotondata	433	111	3.31	51.33	
							10.42	
KK.76029		1,773	Anta Media Arrotondata	458	137	3.32	61.39	
							19.7	
KK.76032		2,084	Anta Maggiorata Arrotondata	494	173	3.33	74.59	
							40.54	

Codice	Sagoma 	Peso Kg/m.	Designazione	Perimetro esterno mm.	Perimetro in vista mm.	Scheda	Jx cm ⁴	Wy cm ³
							Jy cm ⁴	Wy cm ³
KK.76035		1,447	Battuta Centrale Riportata	379	106	3.39	41.21	
							8.31	
KK.76044		1,580	Traverso Anta Geometrica	467	124	3.19	57	
							13.33	
KK.76045		2,083	Anta Apertura Esterna	468	179	3.40	77.78	
							35.95	
KK.76046		1,463	Battuta Centrale Riportata Apertura Esterna	380	106	3.39	41.79	
							8.59	
KK.76050		1,995	Traverso da 90 mm.	467	144	3.19	58.01	
							22.15	
KK.76055		1,678	Anta Media Geometrica	429	135	3.28	60.79	
							15.81	
KK.76071		1,917	Zoccolo Riportato	382	111	3.24	51.03	
							24.23	
KK.76074		0,819	Soglia Ridotta	308	44	3.44	0.99	
							23.48	
KK.76076		1,548	Telaio Fisso "Z" 91/48 mm.	474	147	3.17	46.63	
							31.15	
KK.76078		1,648	Telaio Fisso "H" 58/80	487	151	3.18	50.49	
							16.55	
KK.76080		1,411	Telaio Fisso "Z" 71/48 mm.	478	128	3.17	43.31	
							16.33	
KK.76111		1,249	Inversione Battuta Sporgere	317	62	3.40	32.81	
							4.31	

Codice	Sagoma 	Peso Kg/m.	Designazione	Perimetro esterno mm.	Perimetro in vista mm.	Scheda	Jx cm ⁴	Wx cm ³
							Jy cm ⁴	Wy cm ³
KK.76134		1,992	Zoccolo Riportato Anta Geometrica	402	111	3.24	64.55	
							26.26	
KK.76150		1,428	Anta Slim	404	109	3.25	47.30	
							7.72	
KK.76152		1,748	Anta "T" Slim Arrotondata	537	150	3.31	54.66	
							15.21	
KK.76161		1,650	Anta "T" Slim Geometrica	509	149	3.25	53.58	
							12.56	
KK.76177		1,411	Telaio Fisso "Z" 61/48 mm.	444	117	3.15	41.47	
							11.79	
KK.76194		1,341	Telaio Fisso "Z" 48/48 mm.	407	104	3.12	38.49	
							7.47	
KK.76200		1,543	Telaio Fisso "Z" 58/58 mm.	427	124	3.13	45.41	
							12.81	
KK.76216		1,803	Telaio Fisso "Z" 81/68 mm.	484	157	3.16	55.41	
							27.21	
KK.76219		2,957	Fascia da 150/106 mm. per Anta Geometrica	571	265	3.22	121.06	
							139.72	
KK.76222		3,036	Zoccolo da 150/128 mm. per Anta Geometrica	611	287	3.23	129	
							154.11	
KK.76226		1,987	Anta Maggiorata Geometrica	472	171	3.29	76.39	
							34.48	
KK.76249		1,734	Telaio Fisso "Z" 68/68 mm.	447	144	3.13	52.15	
							20.57	

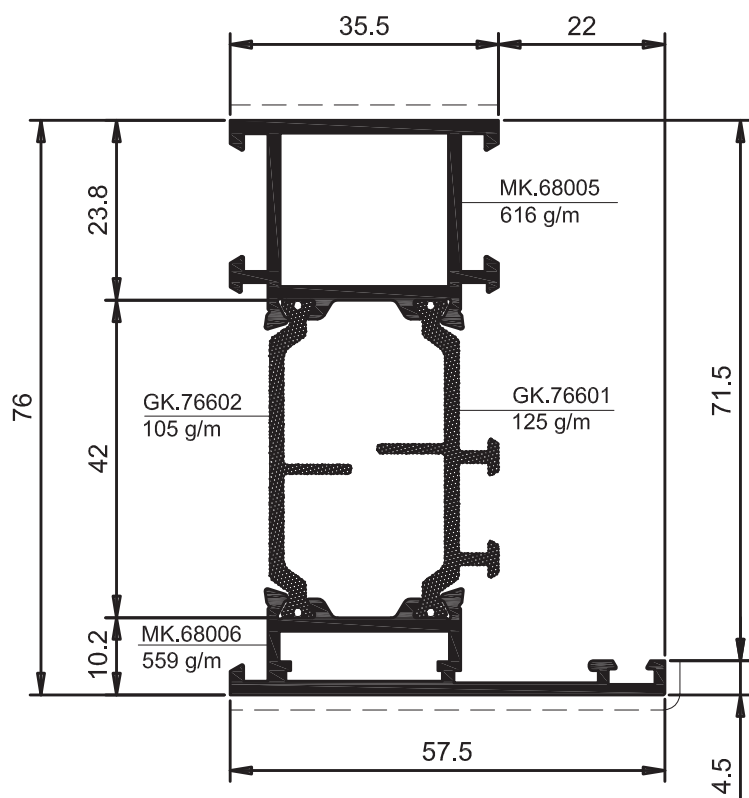
Codice	Sagoma 	Peso Kg/m.	Designazione	Perimetro esterno mm.	Perimetro in vista mm.	Scheda	Jx cm ⁴	Wx cm ³
							Jy cm ⁴	
KK.76261		1,425	Telaio Fisso "H" 48/70	467	131	3.18	43.73	
							10.09	
KK.76401		1,753	Anta Media Pista 16	454	135	3.35	61.94	
							15.50	
KK.76404		2,068	Anta Maggiorata Pista 16	497	171	3.36	77.82	
							34.33	
KK.76407		1,489	Battuta Centrale Riportata Pista 16	380	106	3.39	41.89	
							8.40	
KK.76449		1,406	Anta Slim Vetro 16	391	98	3.26	46.12	
							6.41	
KK.76501		1,848	Anta Media Pista 16 Arrotondata	483	137	3.37	63.91	
							18.52	
KK.76503		0,852	Terminale per Angolo Variabile	352	65	3.43	3.82	
							27.02	
KK.76504		2,165	Anta Maggiorata Pista 16 Arrotondata	525	173	3.38	79.63	
							39.09	
KK.68060		1,168	Compensatore Termico	349	54	3.44	6.39	
							25.6	
KK.68065		2,431	Angolo Variabile	287	206	3.43	68	
							68	
KK.76077		2,279	Profilo di Raccordo Angolo 90°	336	165	3.44	64.71	
							64.71	
KK.76649		1,628	Telaio mobile T	504	147	3.26	53.48	
							12.38	

Codice	Sagoma 	Peso Kg/m.	Designazione	Perimetro esterno mm.	Perimetro in vista mm.	Scheda	Jx cm ⁴	Wx cm ³
							Jy cm ⁴	Wy cm ³
KK.76228		1,966	Anta maggiorata geometrica doppia battuta	472	171	3.30	76.39	
							34.48	
KK.76432		2,050	Anta maggiorata arrotondata doppia battuta	472	173	3.34	76.40	
							34.49	
KK.76545		2,151	Anta apertura esterna arrotondata	468	193	3.41	77.78	
							35.95	
KK.76601		0,680	Battuta riportata	---	---	3.45	--	
							--	
KK.76604		0,942	Soglia porte	---	48	3.45	--	
							--	
EK.73022		0,235	Soglia	80	42	3.45	--	
							--	
KK.76451		1,426	Telaio mobile piccolo Z linea ferro	391	98	3.27	46.12	
							6.41	
KK.76651		1,648	Telaio mobile piccolo T linea ferro	504	147	3.27	53.48	
							12.38	
KK.76209		3,243	Imbotte industriale	907	269	3.59	298.5	
							73.6	
KK.13648		1,570	Doga 110x23,5 mm	---	220	3.64	--	
							--	
KK.13649		1,615	Doga 110x31,5 mm	---	220	3.64	--	
							--	
KK.13650		1,651	Doga 110x35,5 mm	---	220	3.64	--	
							--	



KK.76001	TELAIO FISSO L 26/48 L-FIXED FRAME 26/48		Y X—X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.223	349	78	32.42 4.33

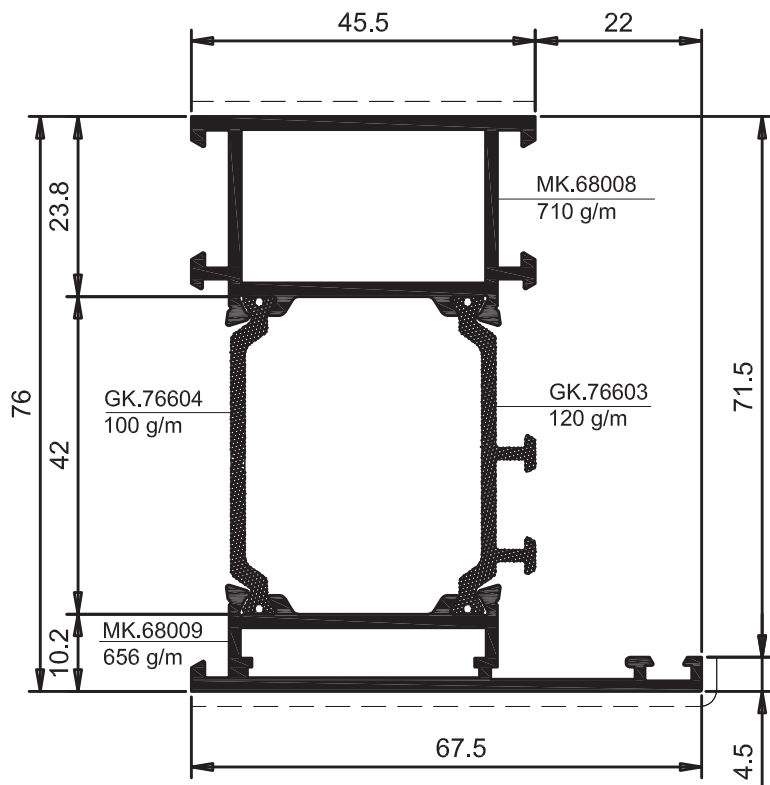
ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83701 + AK.73714	-	-	AK.68707 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



TELAIO INDICATO PER ANGOLO VARIABILE

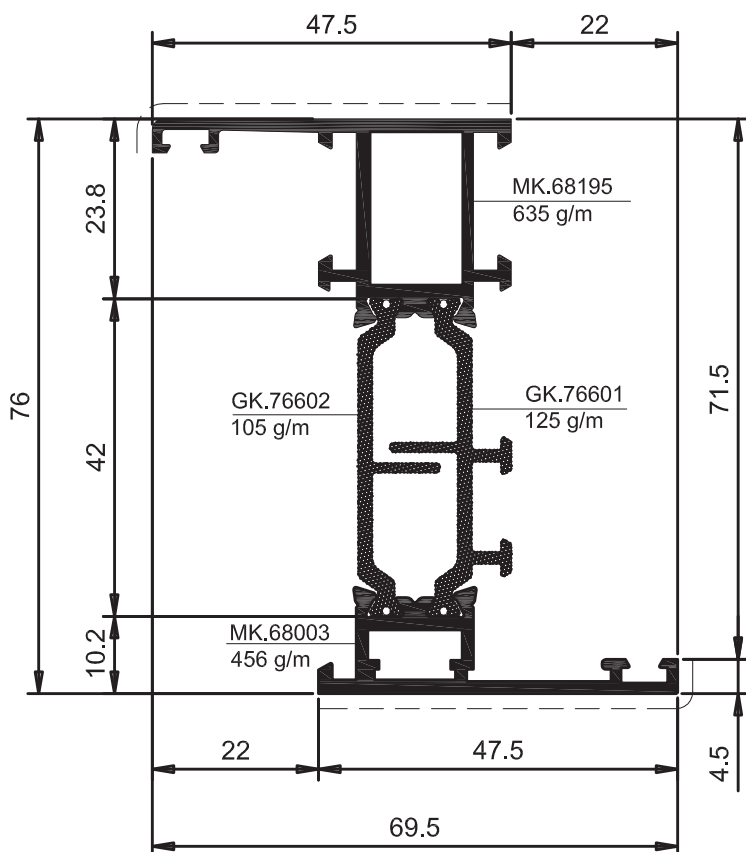
KK.76004	TELAIO FISSO L 36/58 L-FIXED FRAME 36/58		Y X—X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.425	369	98	39.16 8.44

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83702 + AK.73714	-	-	AK.68708 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	AK.83730	-



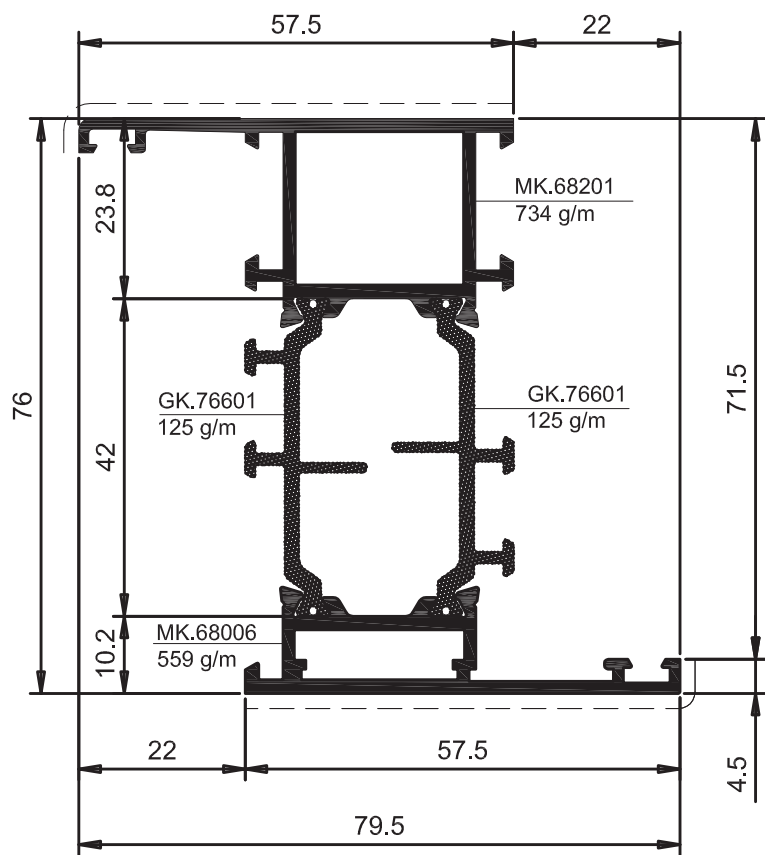
KK.76007	TELAIO FISSO L 46/68 L-FIXED FRAME 46/68		Y X — X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.616	389	118	45.77 14.77

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83703 + AK.73714	-	-	AK.68709 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



KK.76194	TELAIO FISSO Z 48/48 Z-FIXED FRAME 48/48		Y X — X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.341	407	104	38.49 7.47

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83701 + AK.73714	-	-	AK.68707 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



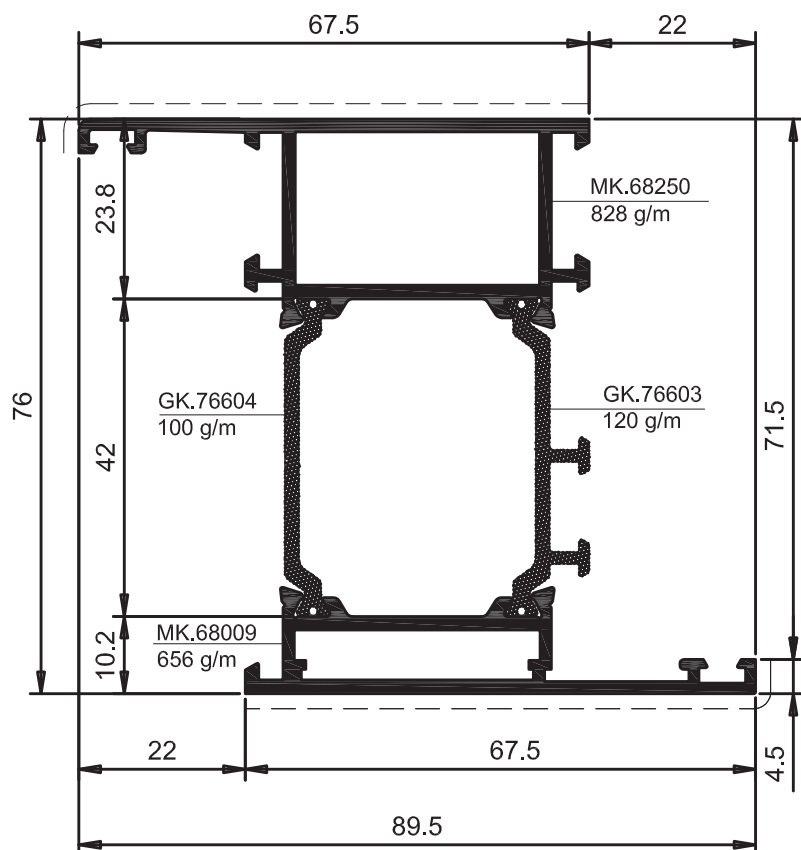
TELAIO INDICATO PER ANGOLO VARIABILE

KK.76200	TELAIO FISSO Z 58/58 Z-FIXED FRAME 58/58		Y X — X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.543	427	124	45.41 12.81

ACCESSORI / ACCESSORIES

SQUADRETTE / CORNER JOINT

INT.			EXT.
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83702 +AK.73714	-	-	AK.68708 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	AK.83730	-

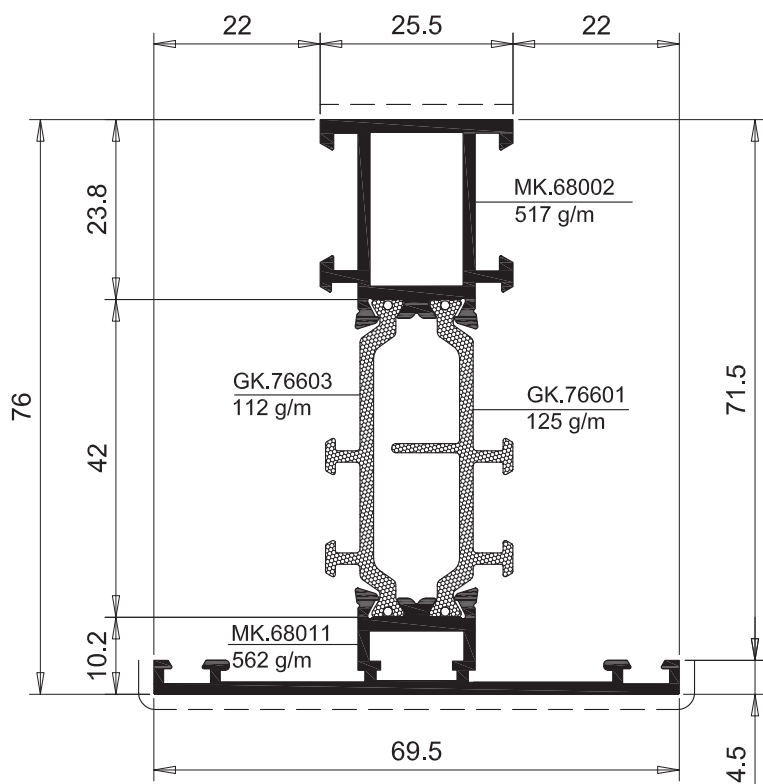


KK.76249	TELAIO FISSO Z 68/68 Z-FIXED FRAME 68/68		Y X — X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.734	447	144	52.15 20.57

ACCESSORI / ACCESSORIES

SQUADRETTE / CORNER JOINT

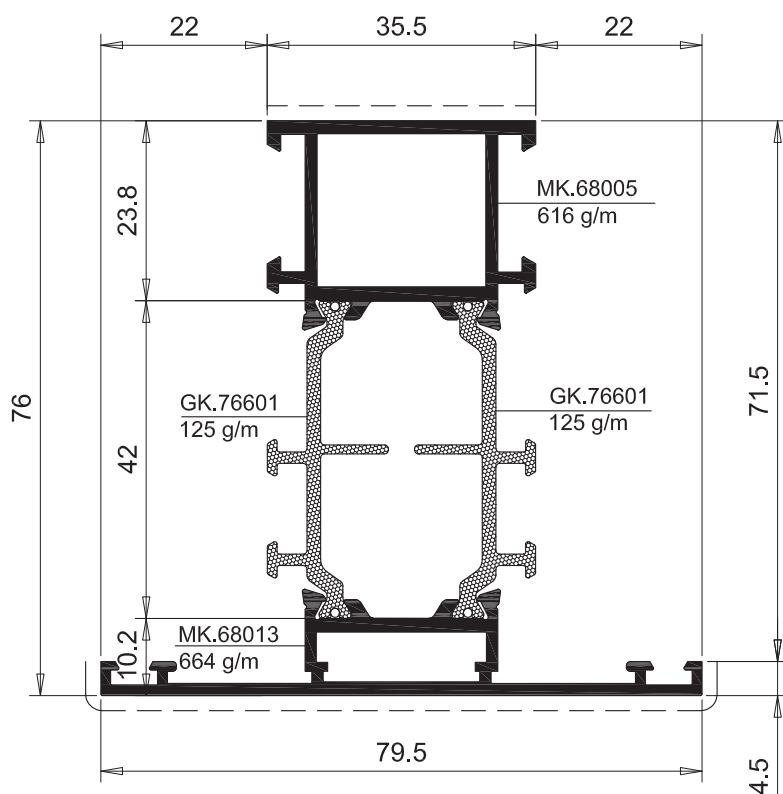
INT.			EXT.
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83703 +AK.73714	-	-	AK.68709 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	X		Y	
			J _x	J _y	W _x	W _y
1.316	427	104	36.54	7.54		

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83701 + AK.73714	-	-	AK.68707 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718 x 2	-	-

CAVALLOTTI / T-JOINT	
INT.	EXT.
AK.83717 + AK.73714	AK.68719

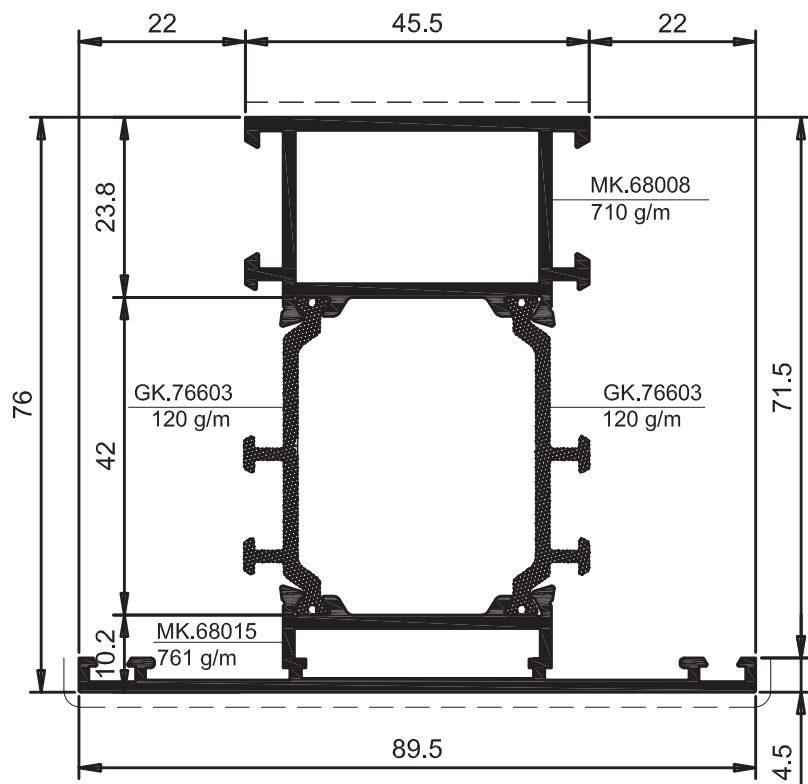


TELAIO INDICATO PER ANGOLO VARIABILE

PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	X		Y	
			J _x	J _y	W _x	W _y
1.530	447	124	43.29	12.86		

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83702 + AK.73714	-	-	AK.68708 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718 x 2	AK.83730	-

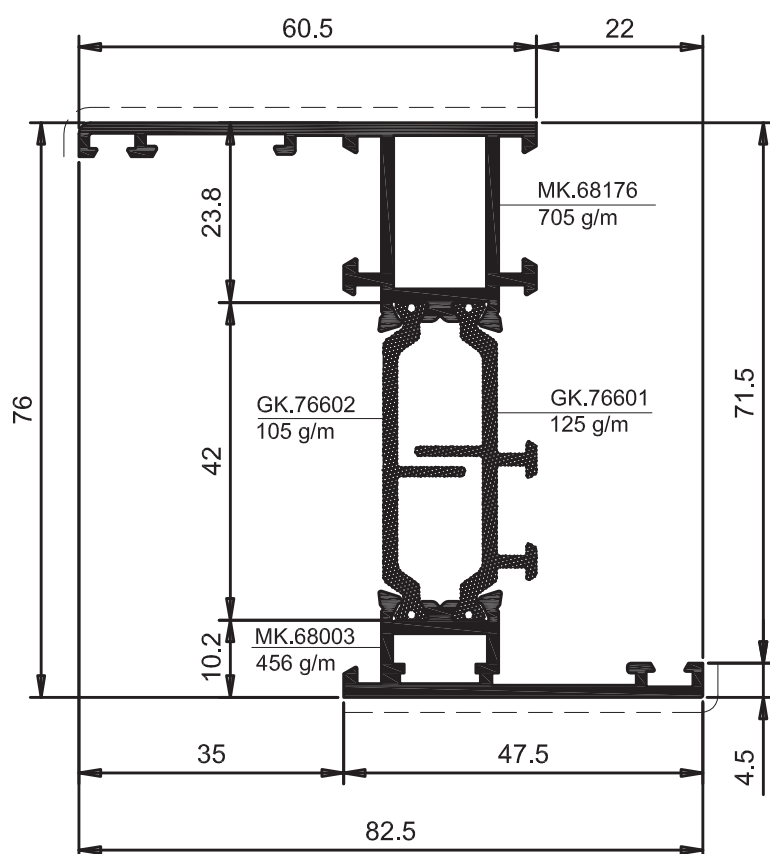
CAVALLOTTI / T-JOINT	
INT.	EXT.
AK.83719 + AK.73714	AK.68720



PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	TELAIO FISSO T 46/90 T-FIXED FRAME 46/90			
			J _x	J _y	W _x	W _y
1.721	467	144	49.92	20.58		

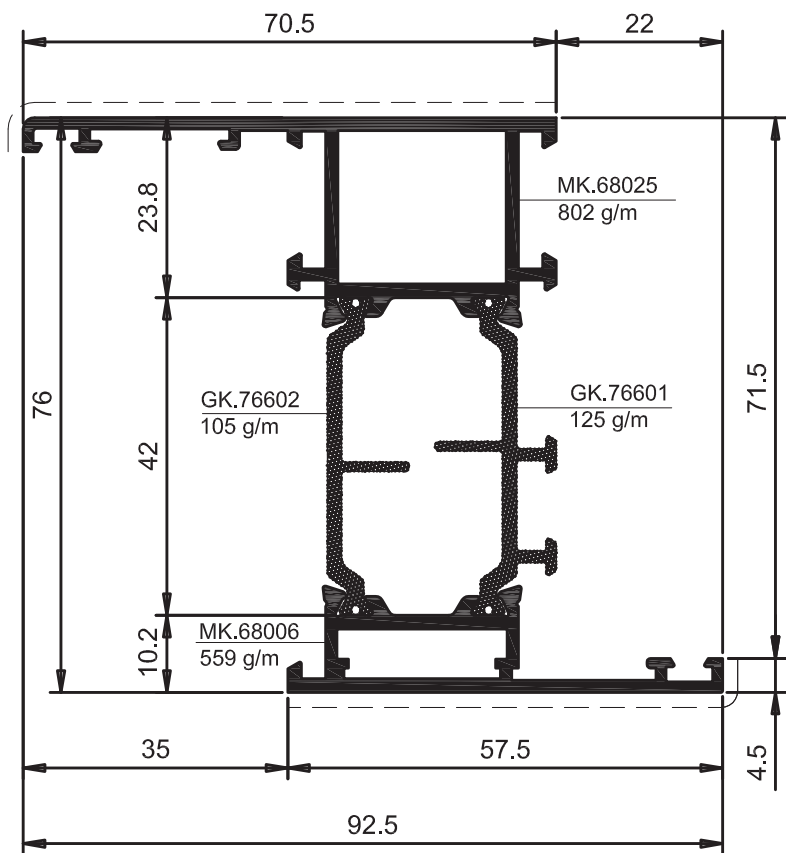
ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83703 + AK.73714	-	-	AK.68709 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718 x 2	-	-

CAVALLOTTI / T-JOINT	
INT.	EXT.
AK.83721 + AK.73714	AK.68722



PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	TELAIO FISSO Z 61/48 Z-FIXED FRAME 61/48			
			J _x	J _y	W _x	W _y
1.411	444	117	41.47	11.79		

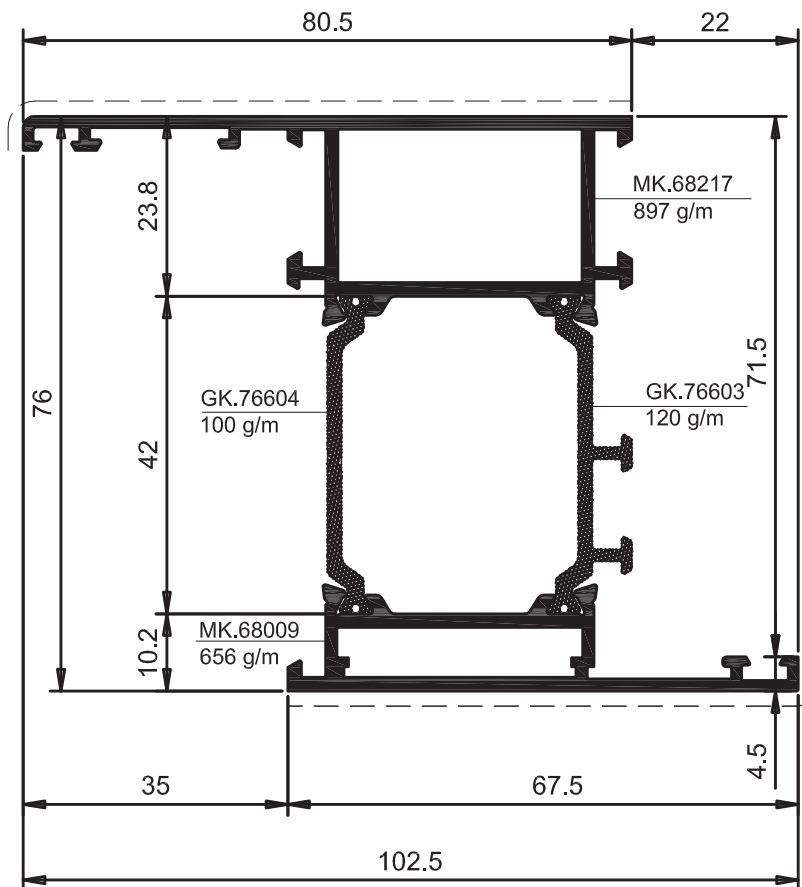
ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83701 + AK.73714	-	-	AK.68707 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
AK.94139	AK.68718	-	-



TELAIO INDICATO PER ANGOLO VARIABILE

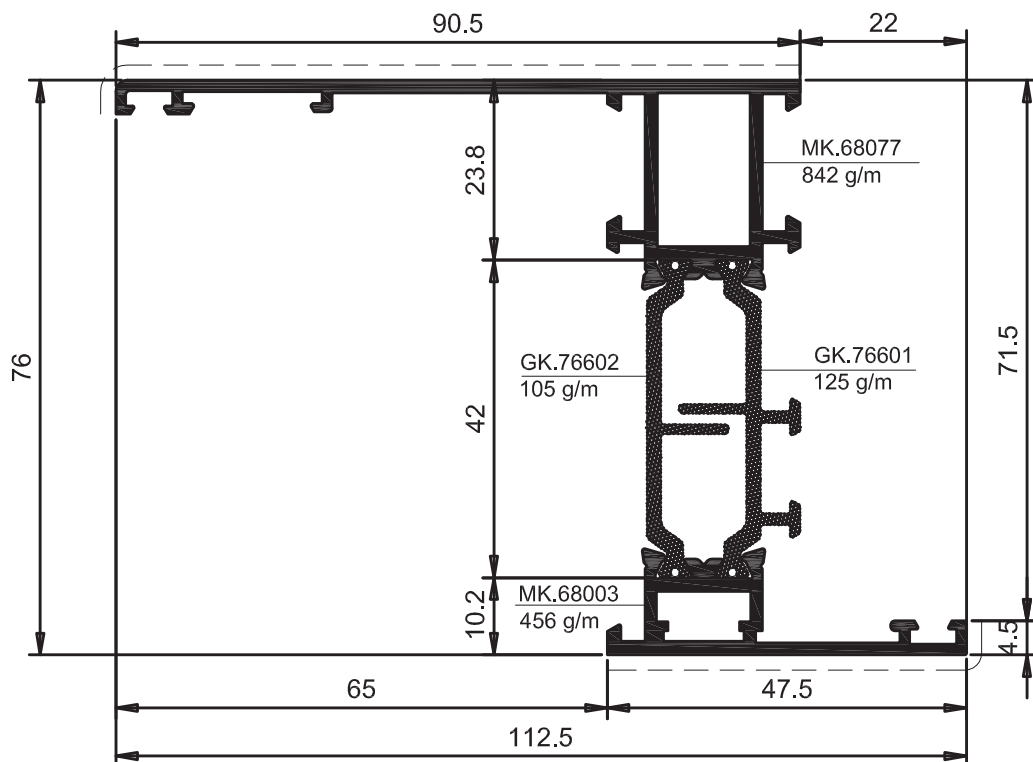
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	TELAI FISSO Z 71/58 Z-FIXED FRAME 71/58	
			J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
1.611	464	137	48.55 18.22	

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83702 + AK.73714	-	-	AK.68708 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
AK.94139	AK.68718	AK.83730	-



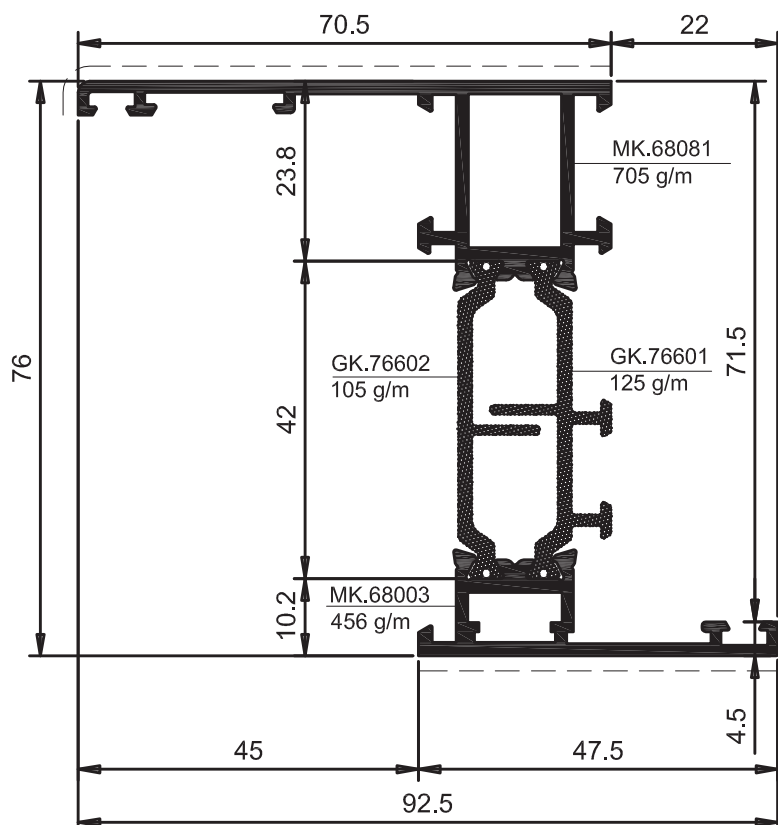
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	TELAI FISSO Z 81/68 Z-FIXED FRAME 81/68	
			J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
1.803	484	157	55.41 27.21	

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83703 + AK.73714	-	-	AK.68709 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
AK.94139	AK.68718	-	-



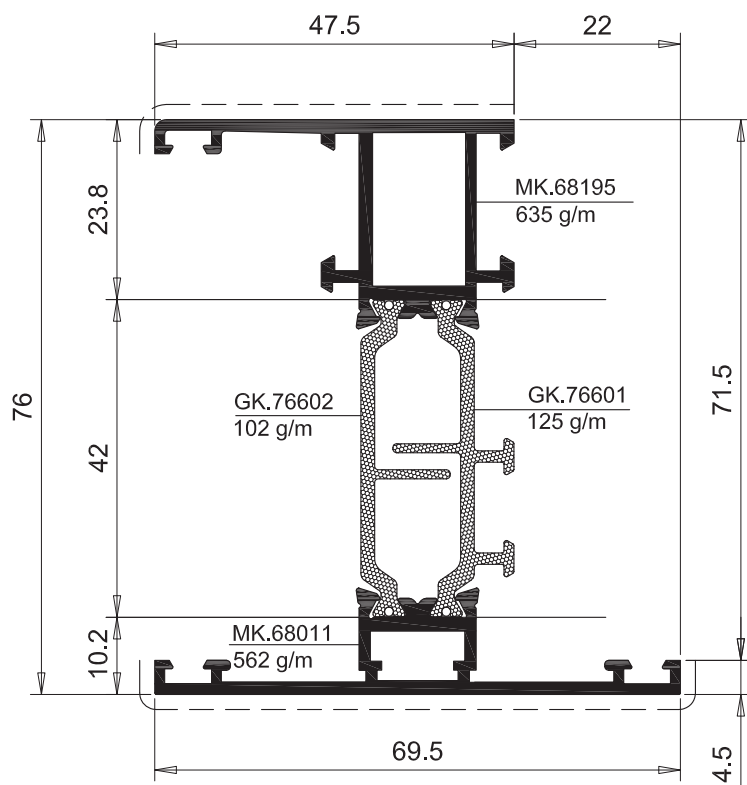
KK.76076	TELAIO FISSO Z 91/48 Z-FIXED FRAME 91/48		Y X — X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.548	474	147	46.63 / 31.15

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83701 + AK.73714	-	-	AK.68707 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
AK.94139	AK.68718	-	-



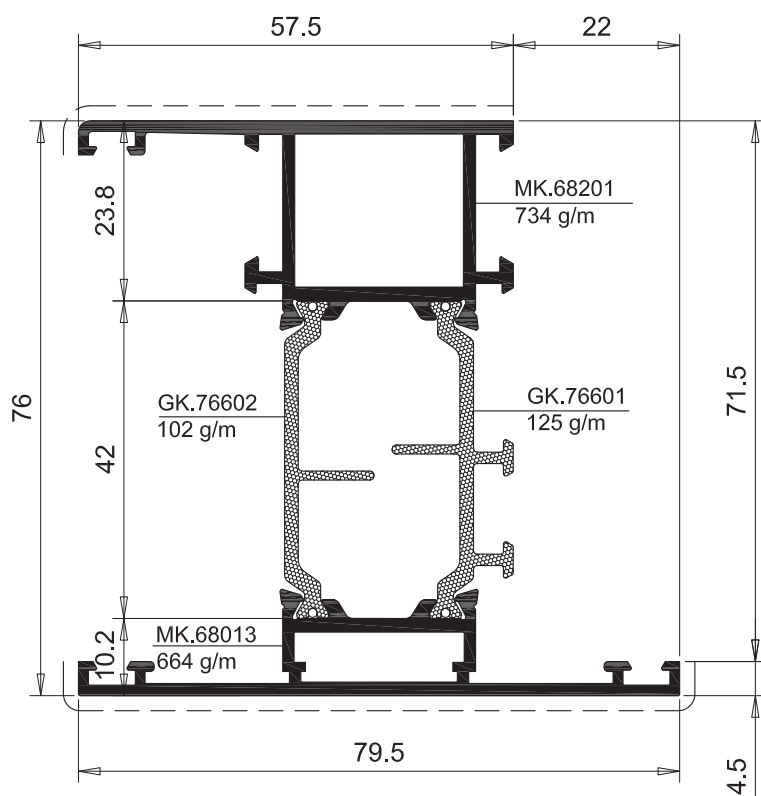
KK.76080	TELAIO FISSO Z 71/48 Z-FIXED FRAME 71/48		Y X — X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.411	478	128	43.31 / 16.63

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83701 + AK.73714	-	-	AK.68707 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
AK.94139	AK.68718	-	-



KK.76261	TELAIO FISSO H 48/70 H-FIXED FRAME 48/70		Y X—X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.425	467	131	43.73 10.09

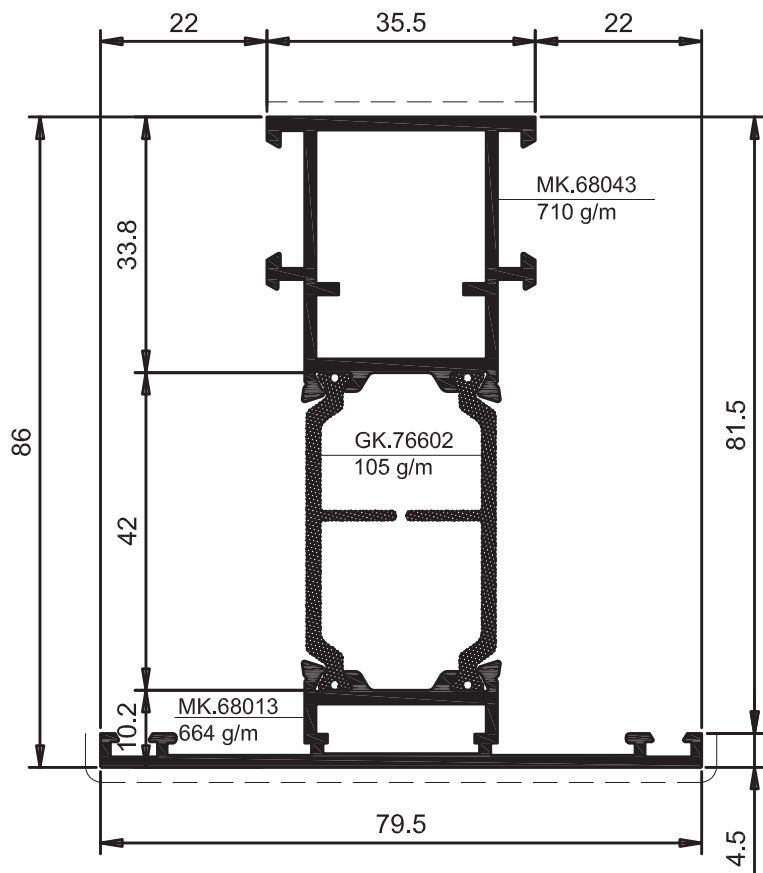
ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CAVFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83701 + AK.73714	-	-	AK.68707 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



TELAIO INDICATO PER ANGOLO VARIABILE

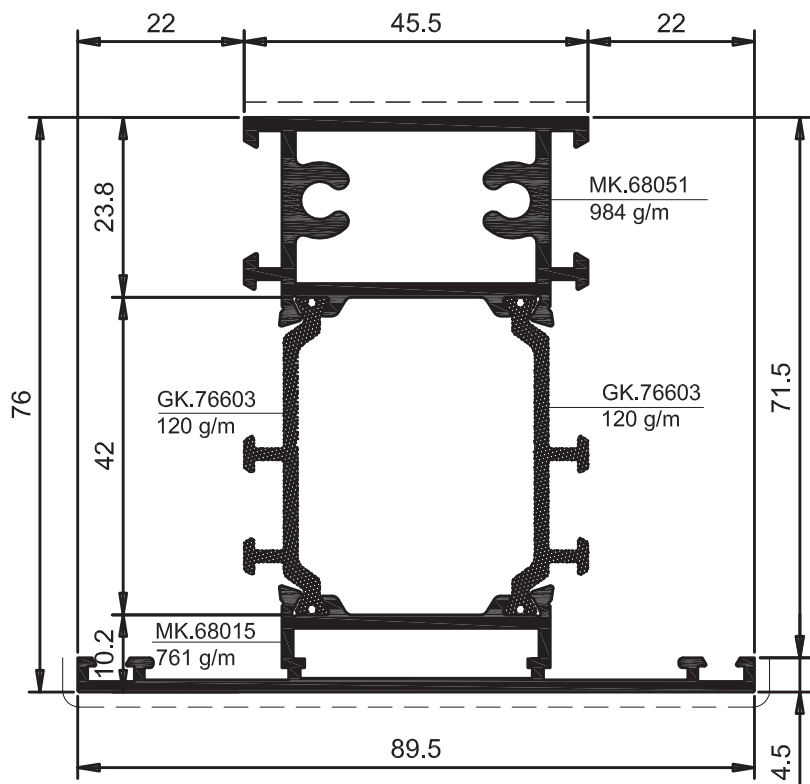
KK.76078	TELAIO FISSO H 58/80 H-FIXED FRAME 58/80		Y X—X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.626	487	151	50.49 16.55

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CAVFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83702 + AK.73714	-	-	AK.68708 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	AK.83730	-



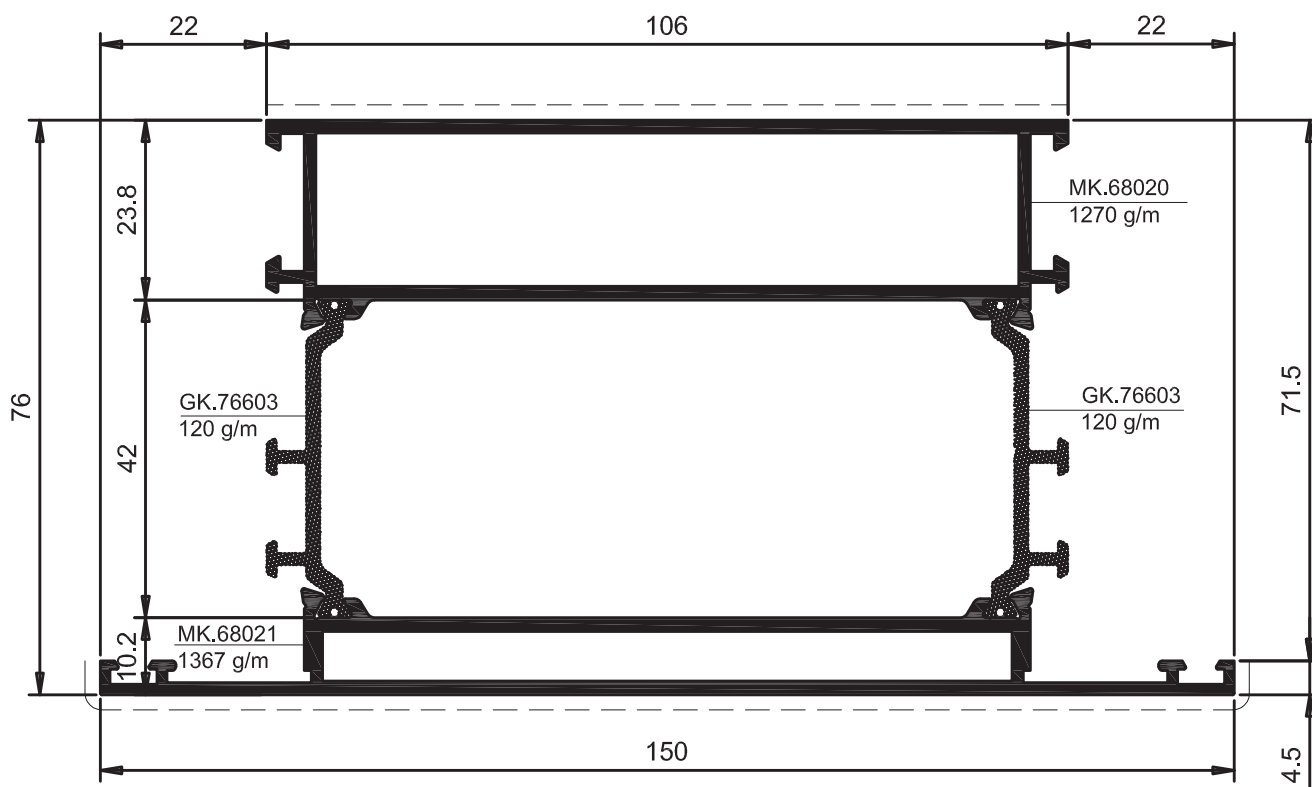
KK.76044			TRAVERSO DA 90MM PER ANTA GEOMETRICA 70MM TRANSOM FOR COPLANAR WING		Y X—X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y	W _x	W _y
Kg/m	mm	mm	cm ⁴	cm ⁴	cm ³	cm ³
1.580	467	124	57	13.33		

ACCESSORI / ACCESSORIES		
CAVALLOTTI / T-JOINT		
INT.	EXT.	
	ALLINEAMENTO	TELAIO / FIXED FRAME
AK.83719 + AK.73714	AK.68718 X 2	AK.68720



KK.76050			TRAVERSO DA 90MM 90MM TRANSOM		Y X—X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y	W _x	W _y
Kg/m	mm	mm	cm ⁴	cm ⁴	cm ³	cm ³
1.995	467	144	58.01	22.15		

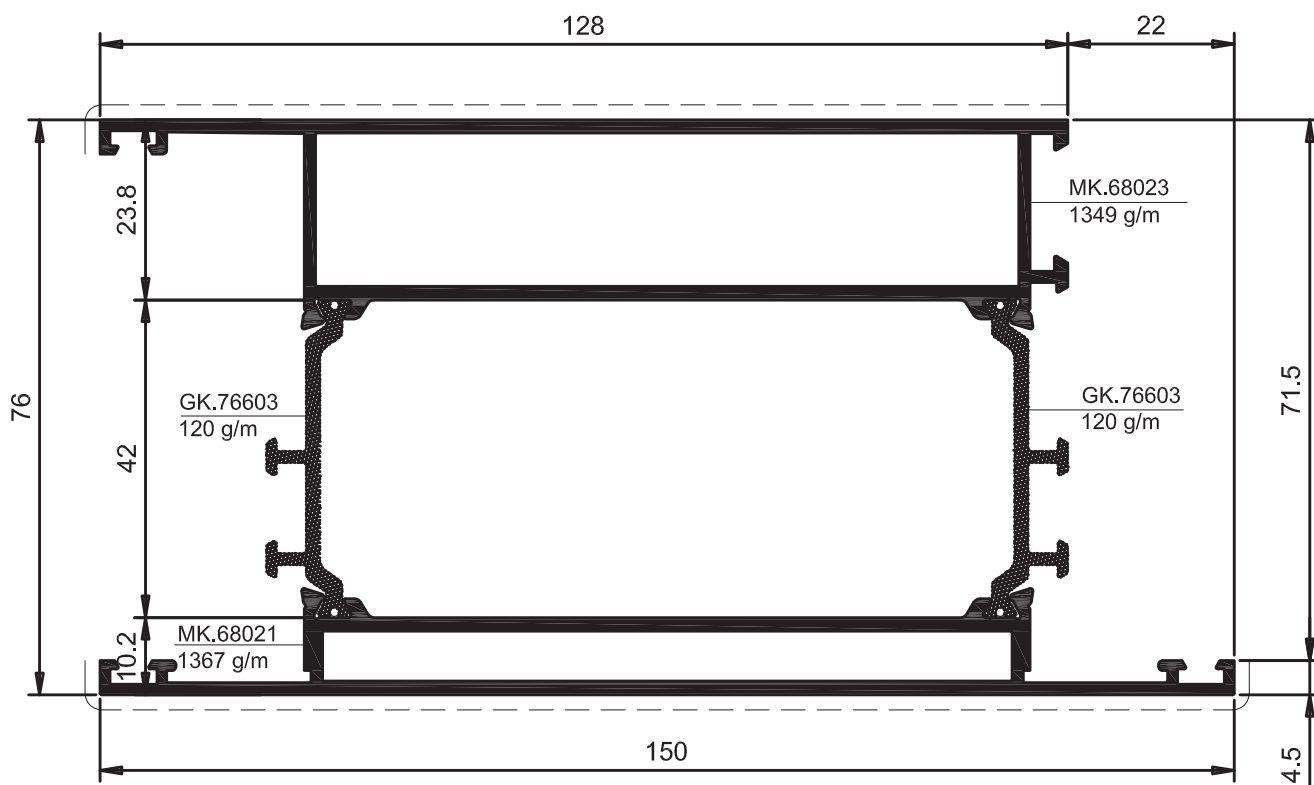
ACCESSORI / ACCESSORIES		
CAVALLOTTI / T-JOINT		
INT.	EXT.	
	ALLINEAMENTO	TELAIO / FIXED FRAME
-	AK.68718 X 2	AK.68722



LISTA PROFILI
PROFILI SCALA 1:1

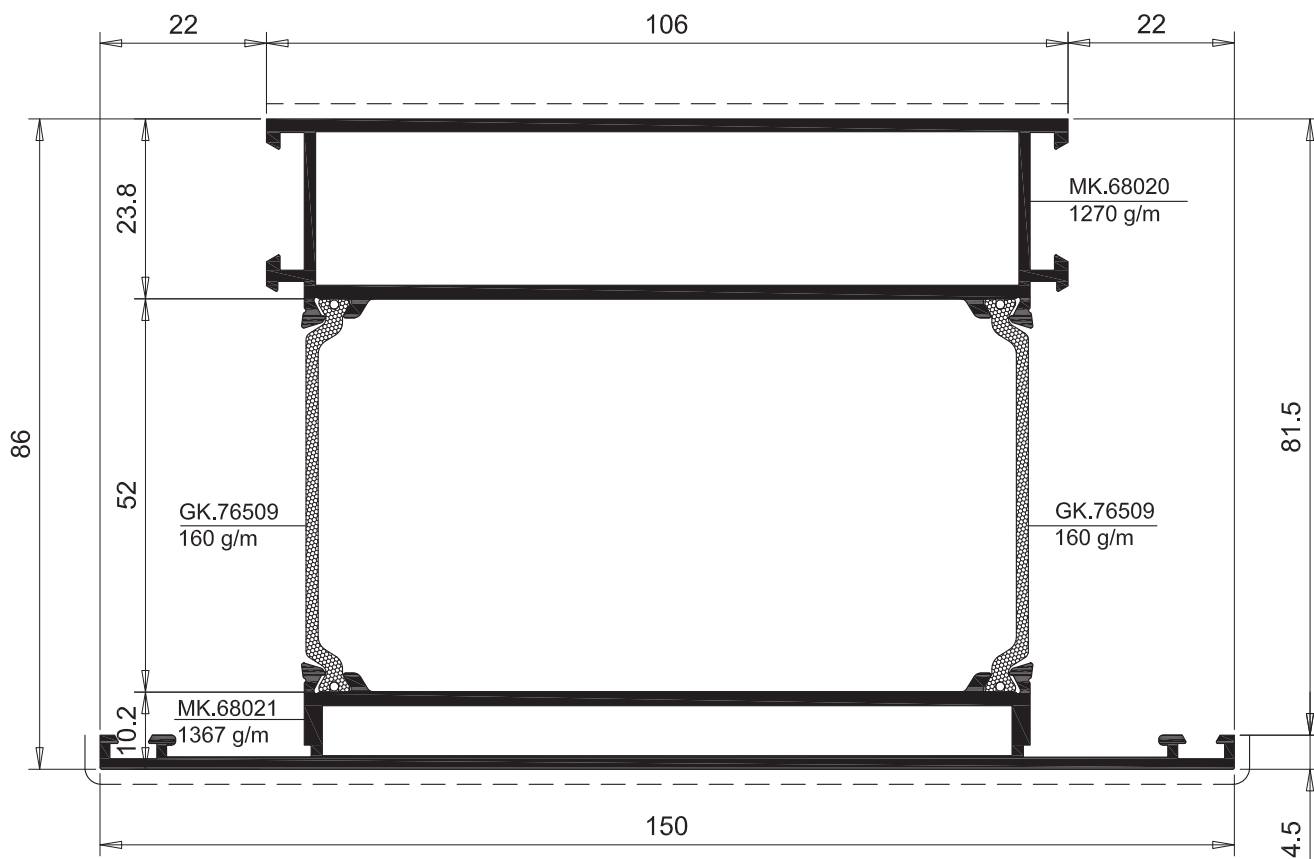
KK.76019	FASCIA 150/106MM HORIZONTAL TRANSOM 150/106MM		X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	2.887	588	265	89.95 139.28

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	-	-	-
CAVALLOTTI / T-JOINT			
INT.	EXT.		
	ALLINEAMENTO		
AK.83721 X 2 + AK.73714 X 2	AK.68718 X 2		AK.68724



KK.76022	ZOCOLO 150/128MM LOWER HORIZONTAL TRANSOM 150/128MM		Y X — X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
2.966	610	287	96.35 153.7	

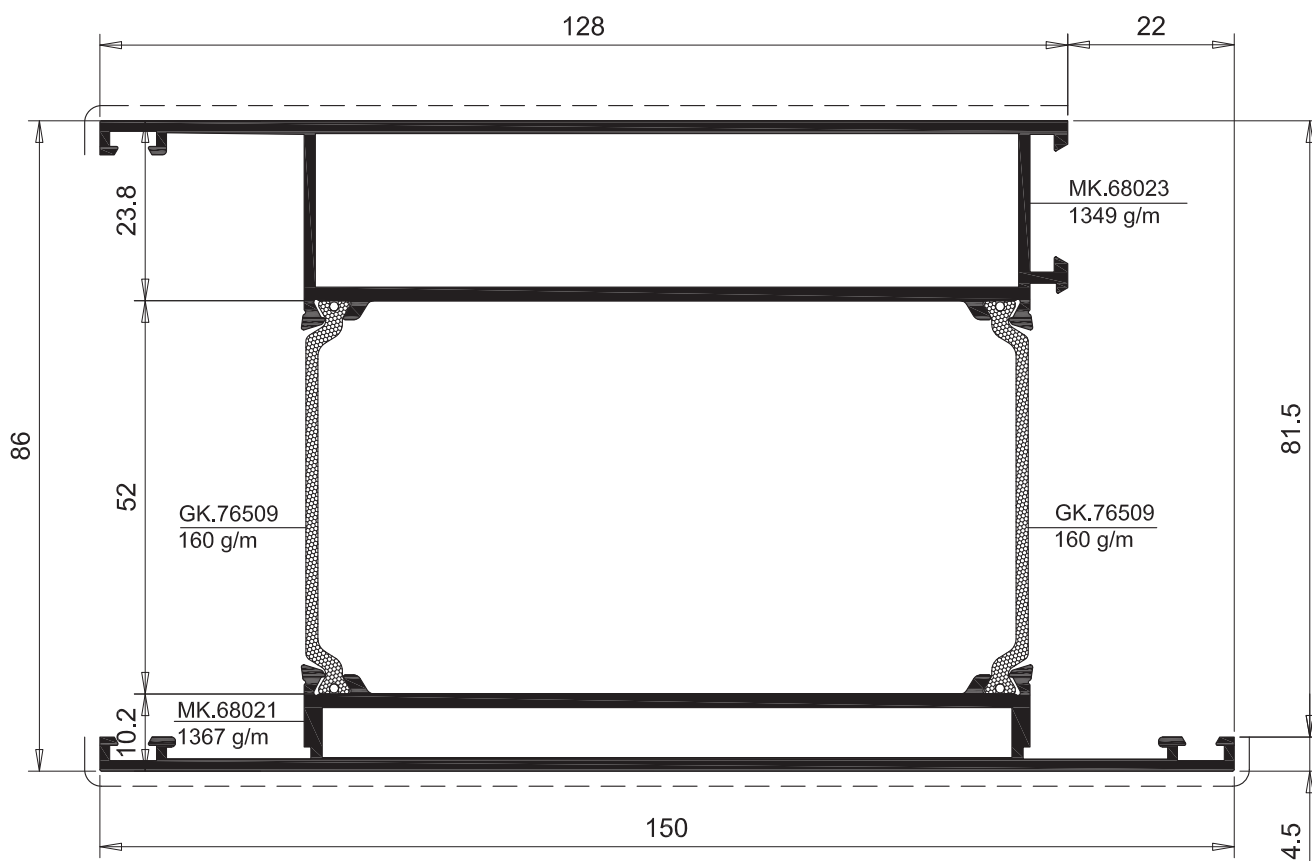
ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	-	-	-
CAVALLOTTI / T-JOINT			
INT.	EXT.		
	-	ALLINEAMENTO	
AK.83721 X 2 + AK.73714 X 2	AK.68724	AK.68718 x 2	



LISTA PROFILI
PROFILI SCALA 1:1

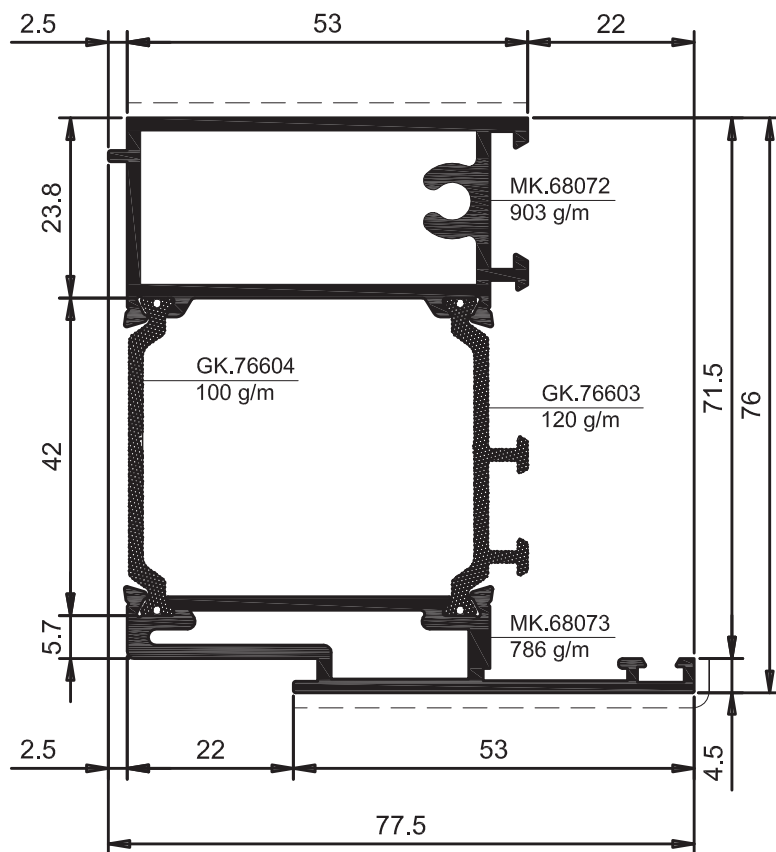
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	Y X — X Y	
			J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
2.957	571	265	121.06 139.72	

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	-	-	-
CAVALLOTTI / T-JOINT			
INT.	EXT.		
	ALLINEAMENTO	-	
AK.83721 X 2 + AK.73714 X 2	AK.68718 X 2	AK.68724	



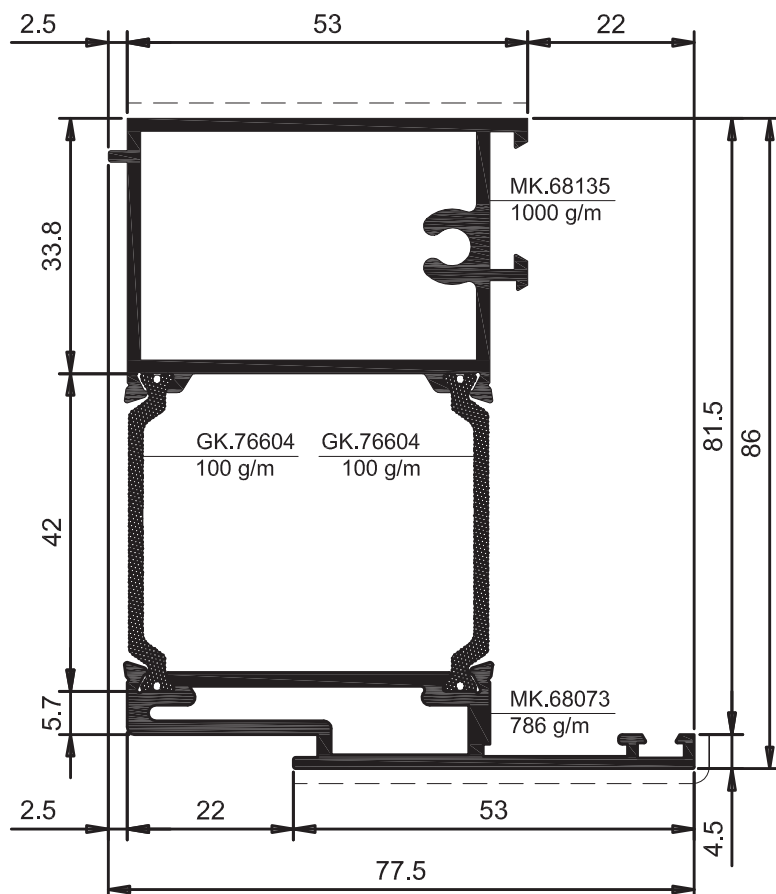
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	Y X — X Y	
			J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
3.036	611	287	129 154.11	

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	-	-	-
CAVALLOTTI / T-JOINT			
INT.	EXT.		
	-	ALLINEAMENTO	
AK.83721 X 2 + AK.73714 X 2	AK.68724	AK.68718 x 2	

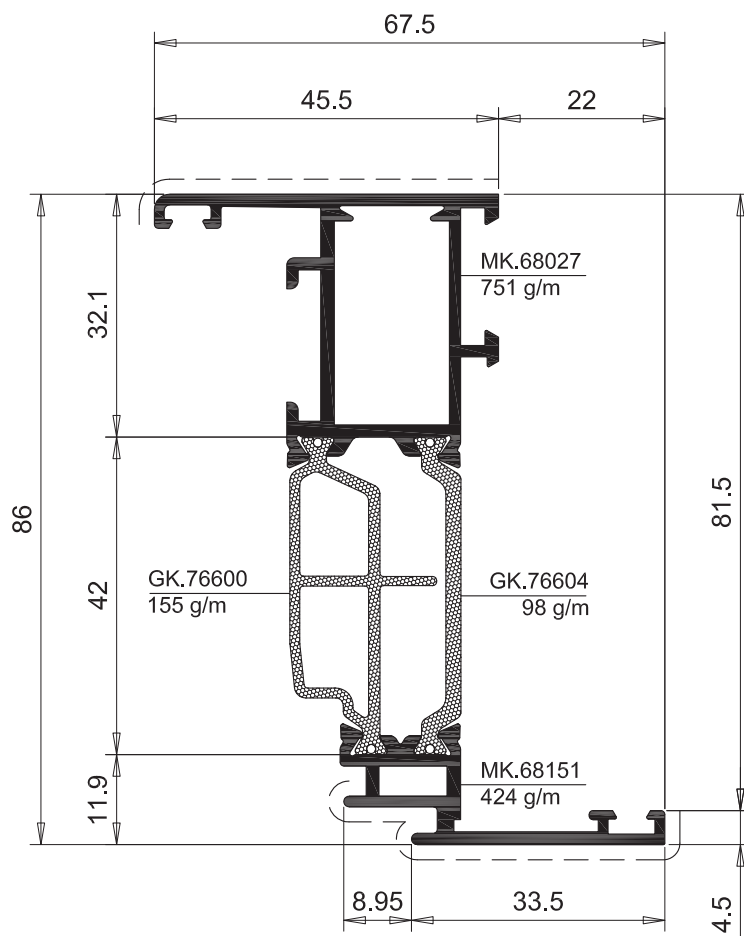


PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	X — X	
			J _x	J _y
Kg/m	mm	mm	cm ⁴	cm ³
1.917	382	111	51.03	24.23

LISTA PROFILI
PROFILI SCALA 1:1

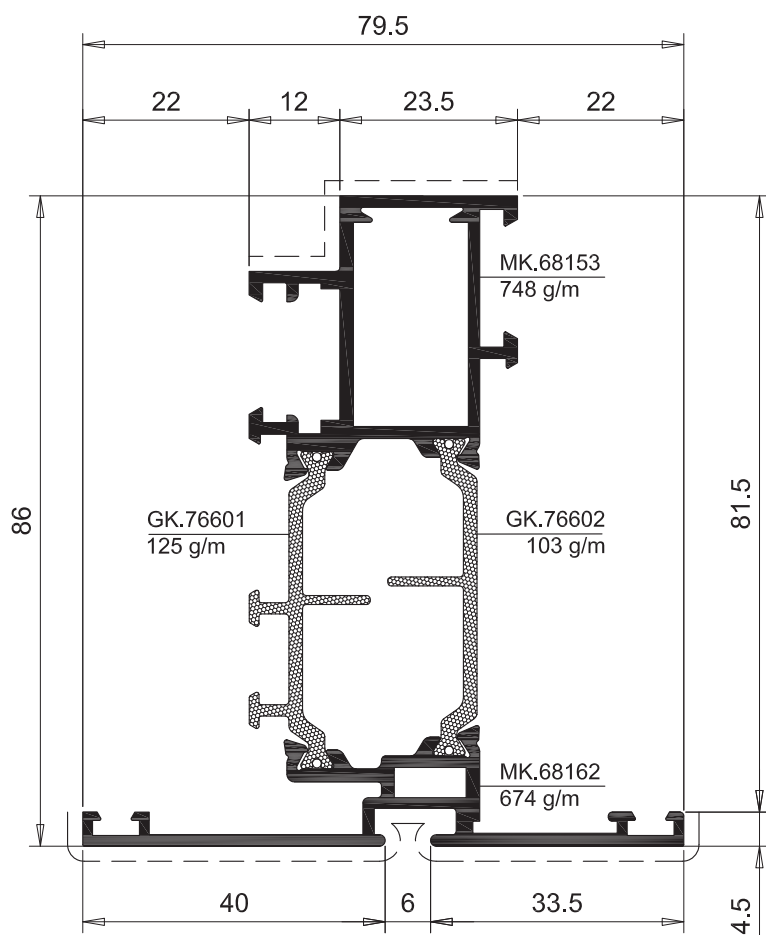


PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	X — X	
			J _x	J _y
Kg/m	mm	mm	cm ⁴	cm ³
1.992	402	111	64.55	26.26



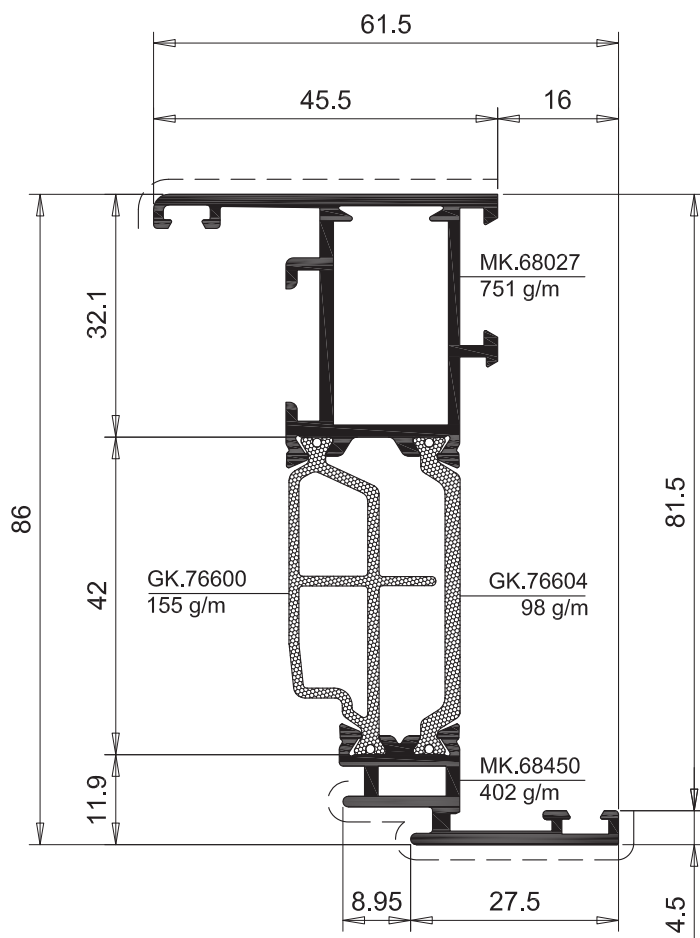
KK.76150	TELAIO MOBILE PICCOLO SMALL WING		Y X — X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.428	404	109	47.30 7.72

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CANFRINARE CALMING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	AK.68704 + AK.73718	-	AK.68710 + AK.68715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



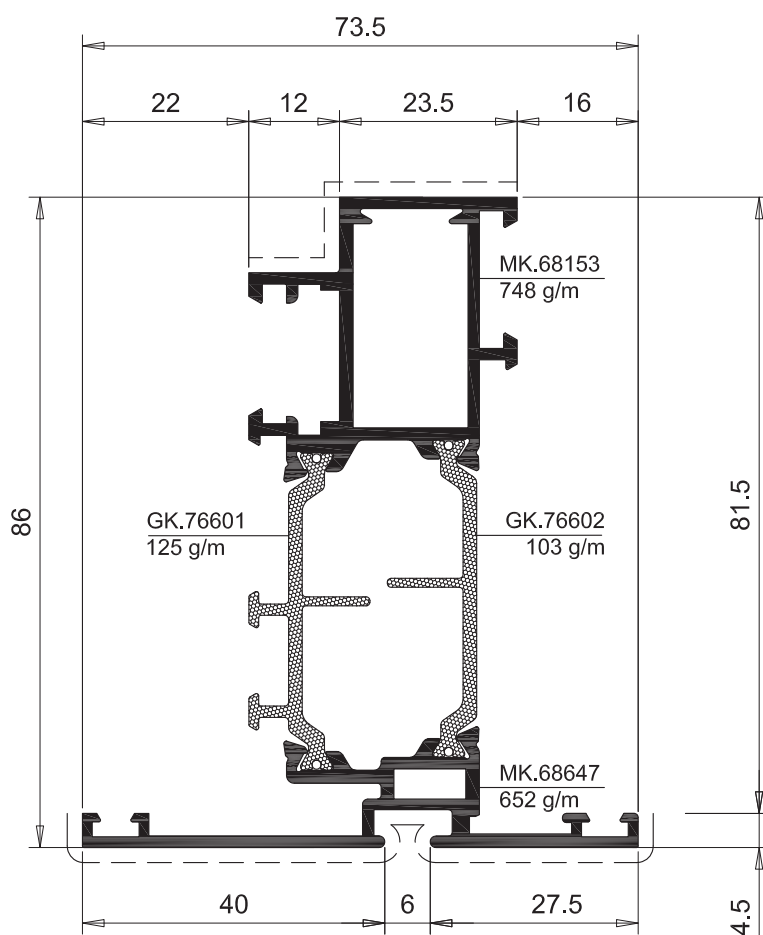
KK.76161	TELAIO MOBILE T PICCOLO SMALL T WING		Y X — X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.650	509	149	53.58 12.56

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CANFRINARE CALMING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	AK.68704 + AK.73718	-	AK.68710 + AK.68715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-
TAPPO DI TENUTA / SEAL PLUG			
AK.68813			



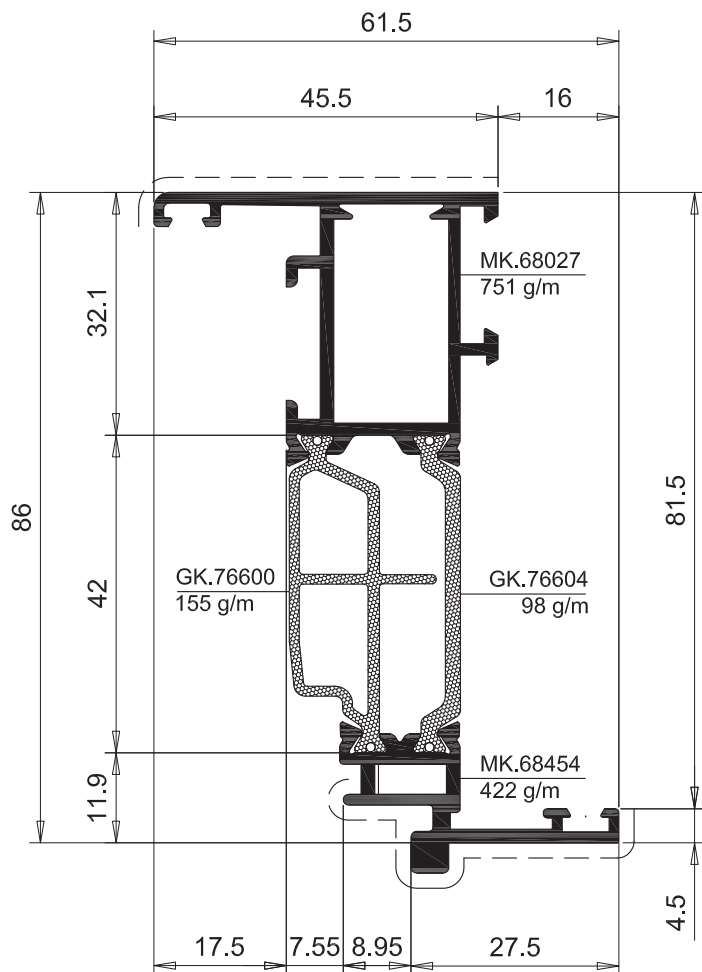
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	Y X — X Y	
			J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
1.406	391	98	46.12 6.41	

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	AK.68704 + AK.73718	-	AK.68710 + AK.68715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68725	-	-



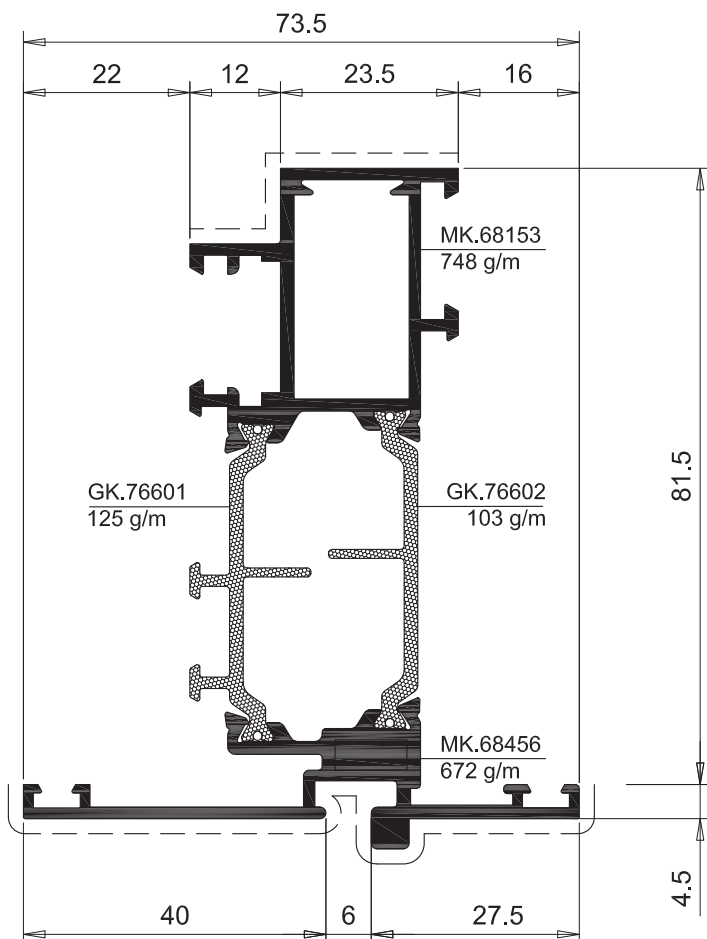
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	Y X — X Y	
			J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
1.628	504	147	53.48 12.38	

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	AK.68704 + AK.73718	-	AK.68710 + AK.68715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68725	-	-
TAPPO DI TENUTA / SEAL PLUG			
AK.68813			



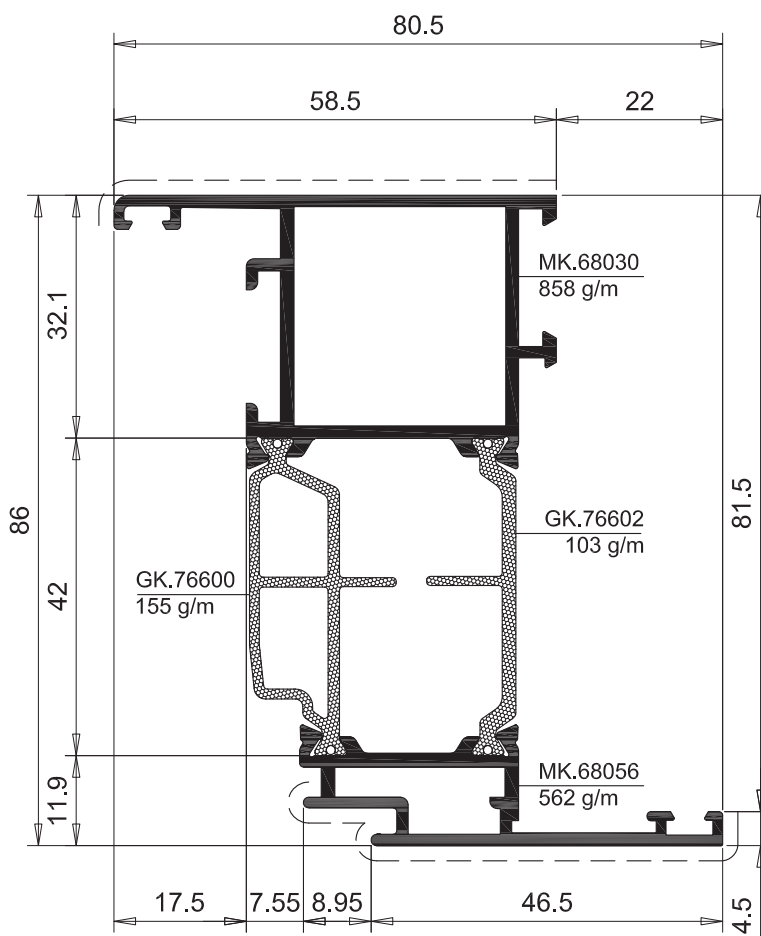
KK.76451			TELAIO MOBILE PICCOLO LINEA FERRO SMALL WING		Y X — X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y	W _x	W _y
Kg/m	mm	mm	cm ⁴	cm ⁴	cm ³	cm ³
1.426	391	98	46.12	6.41		

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	AK.68704 + AK.73718	-	AK.68710 + AK.68715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68725	-	-



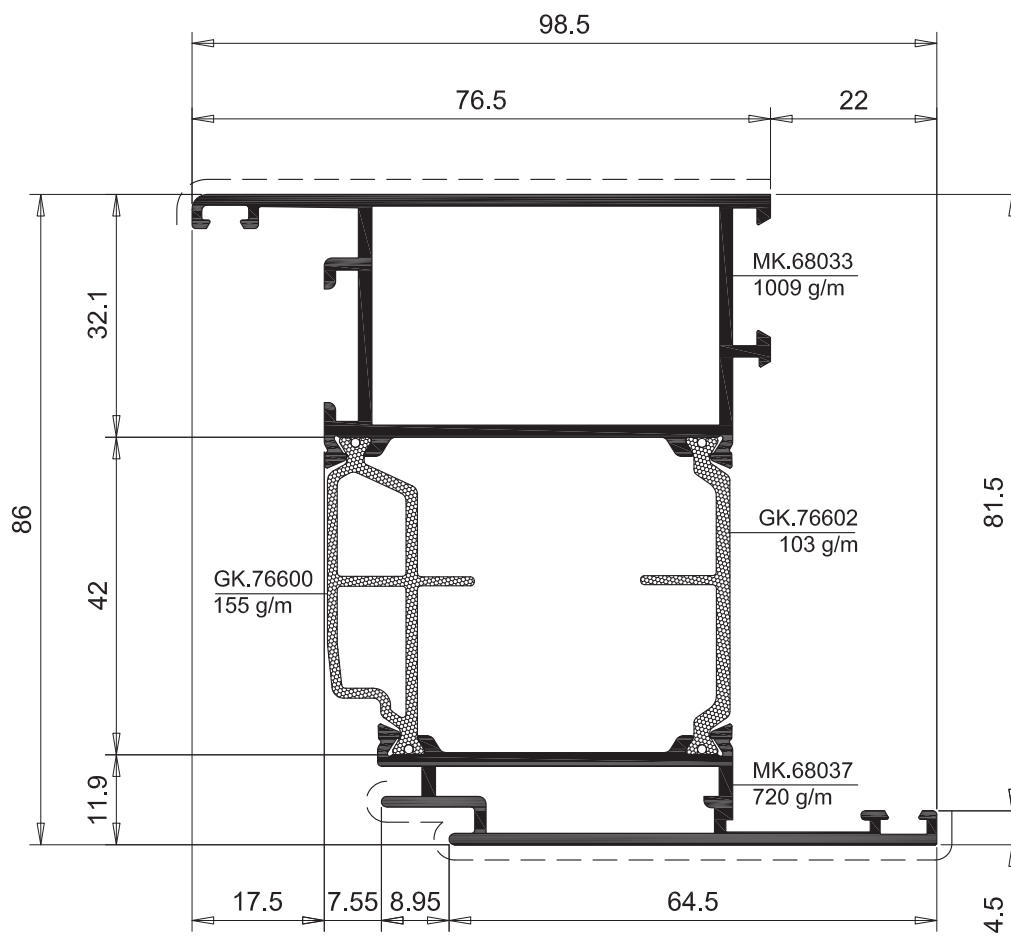
KK.76651			TELAIO MOBILE T PICCOLO LINEA FERRO SMALL T WING		Y X — X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y	W _x	W _y
Kg/m	mm	mm	cm ⁴	cm ⁴	cm ³	cm ³
1.648	504	147	53.48	12.38		

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	AK.68704 + AK.73718	-	AK.68710 + AK.68715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68725	-	-
TAPPO DI TENUTA / SEAL PLUG			
AK.68813			



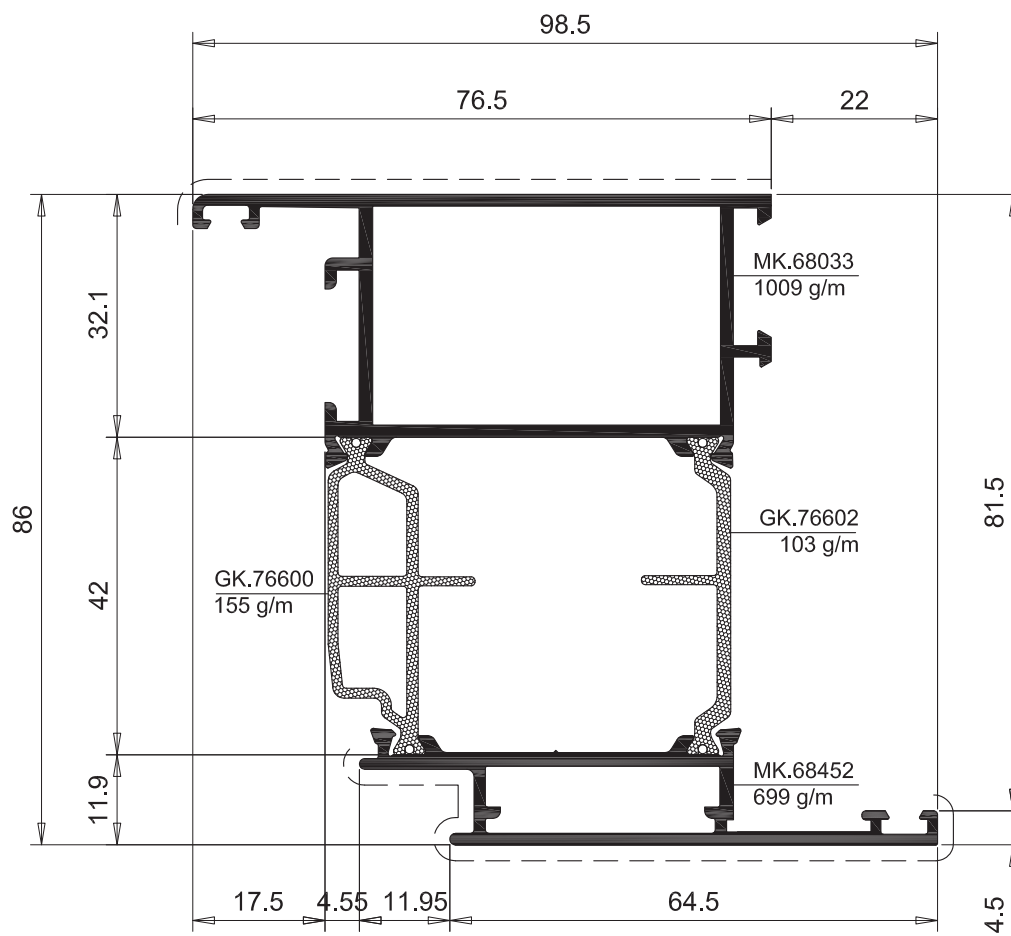
KK.76055	TELAIO MOBILE WING			
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	
	Kg/m	mm	mm	
	1.678	429	135	

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	174-1804	-	AK.68708 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



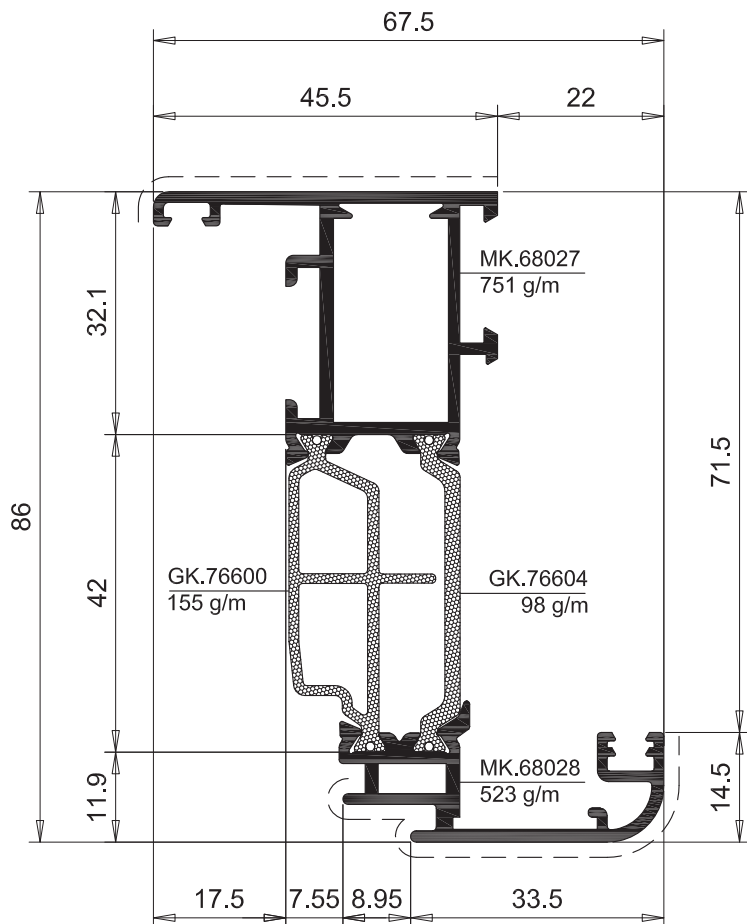
KK.76226			TELAIO MOBILE MAGGIORATO OVERSIZE WING		Y X — X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y	W _x	W _y
Kg/m	mm	mm	cm ⁴	cm ⁴	cm ³	cm ³
1.987	472	171	76.39	34.48		

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	174-1806	-	AK.68712 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



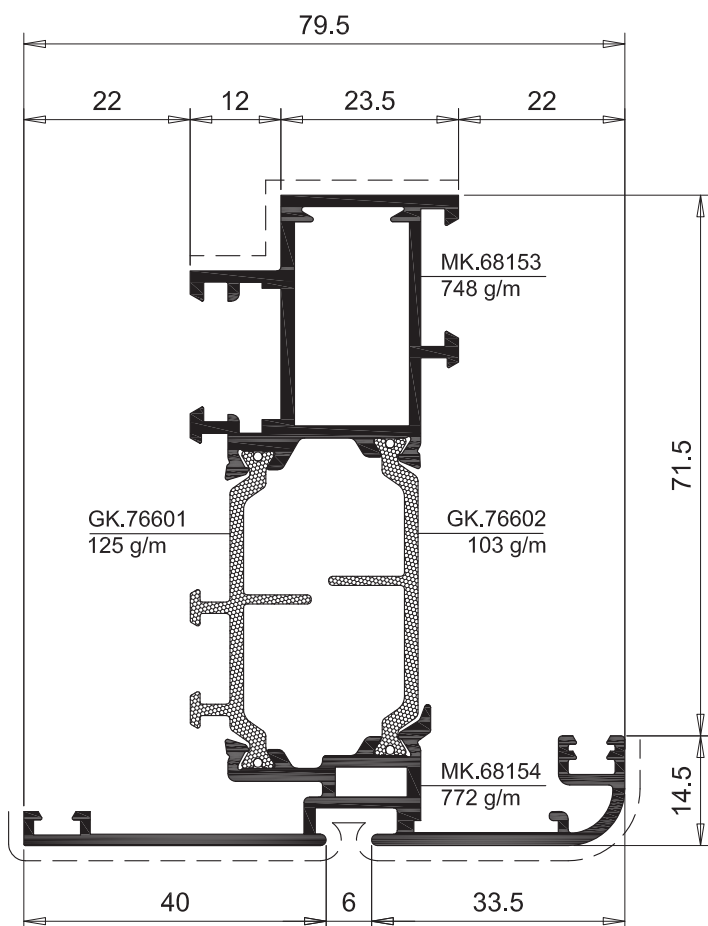
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	Y X — X Y	
			J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
1.966	472	171	76.39 34.48	

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	174-1806	-	AK.68735 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



KK.76026			TELAIO MOBILE PICCOLO SMALL WING		Y X—X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y		
Kg/m	mm	mm	cm ⁴	cm ³		
1.527	433	111	51.33 10.42			

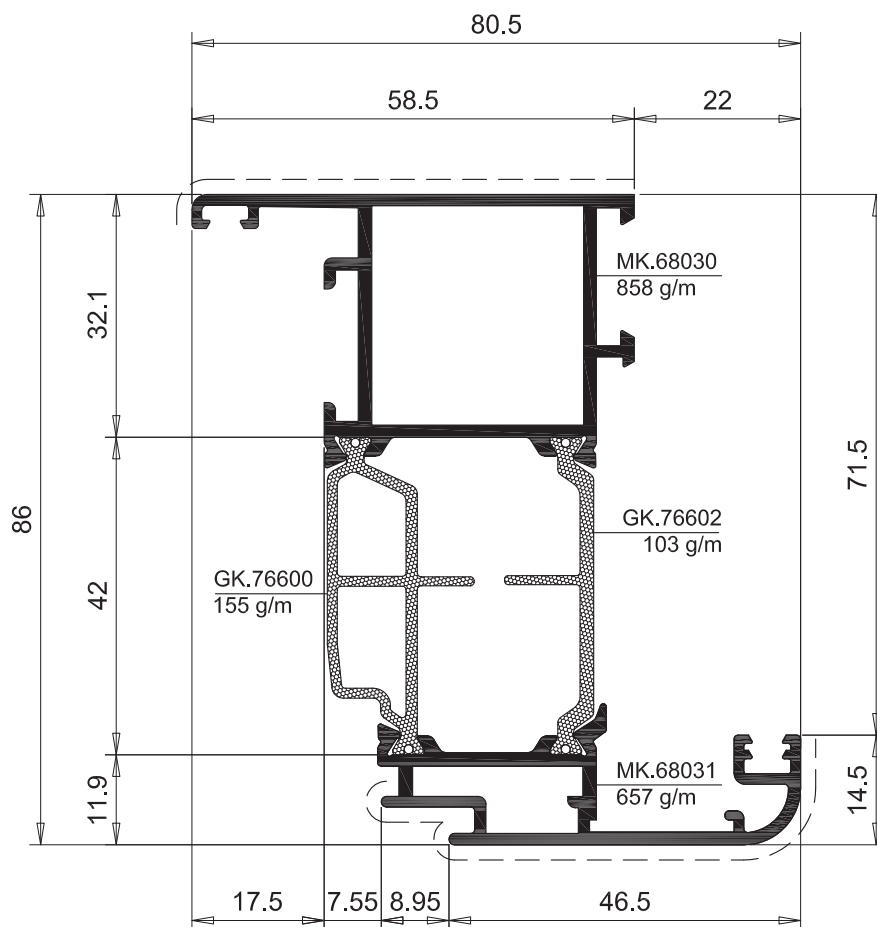
ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	AK.68704 + AK.73718	-	AK.68710 + AK.68715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



KK.76152			TELAIO MOBILE "T" PICCOLO SMALL "T" WING		Y X—X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y		
Kg/m	mm	mm	cm ⁴	cm ³		
1.748	537	150	54.66 15.21			

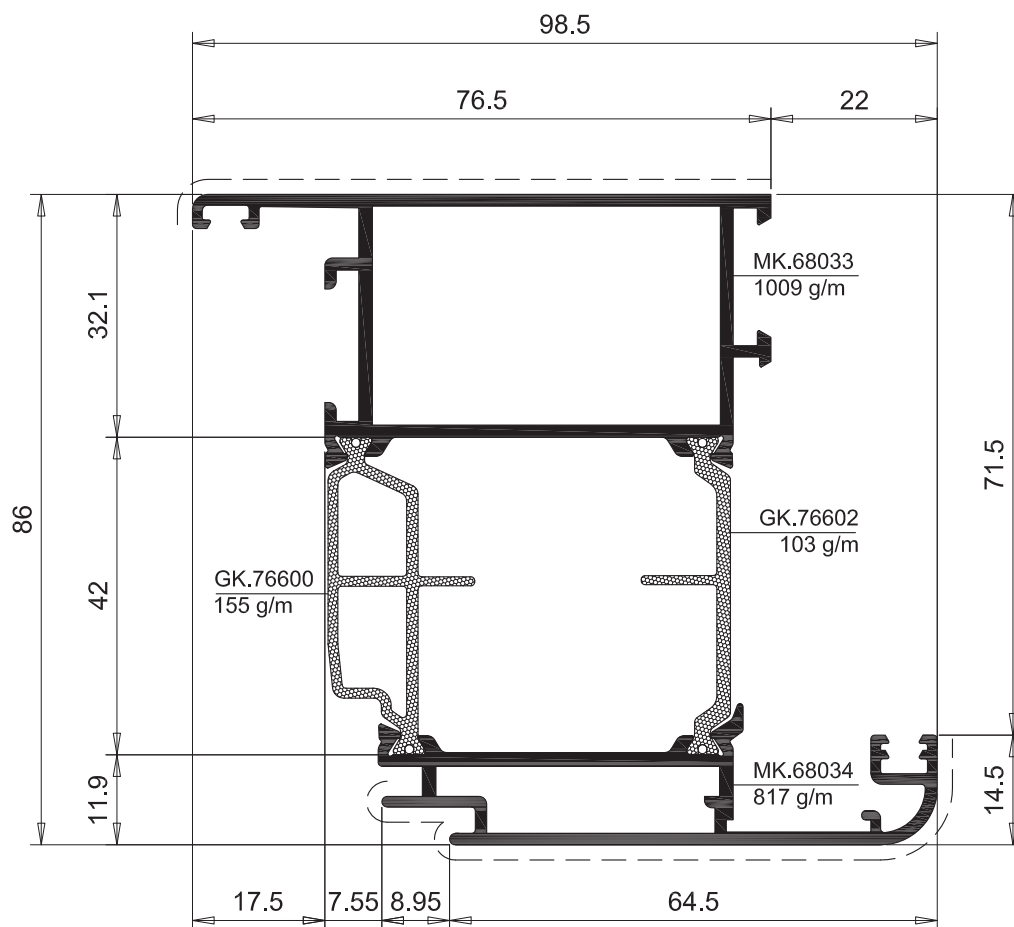
ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	AK.68704 + AK.73718	-	AK.68710 + AK.68715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-

TAPPO DI TENUTA / SEAL PLUG
AK.68813



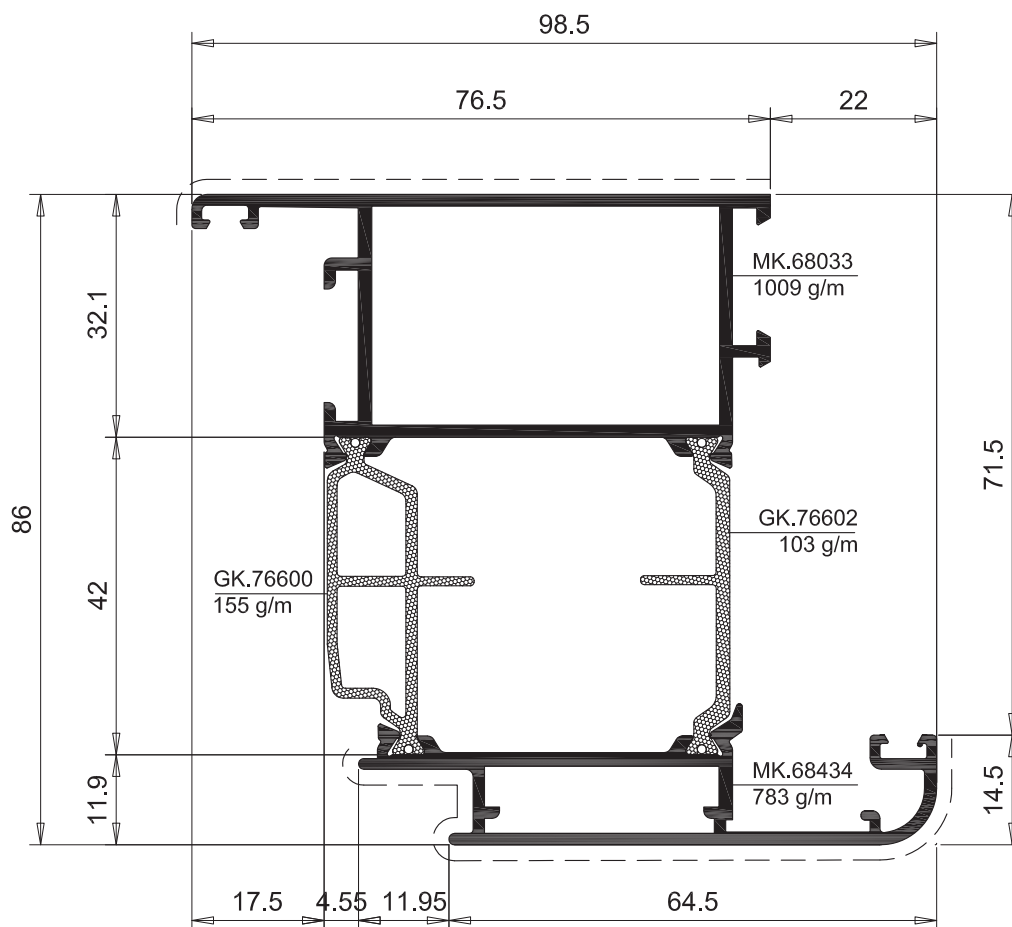
KK.76029	TELAIO MOBILE WING		Y X — X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.773	458	137	61.39 19.7

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	174-1804	-	AK.68708 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



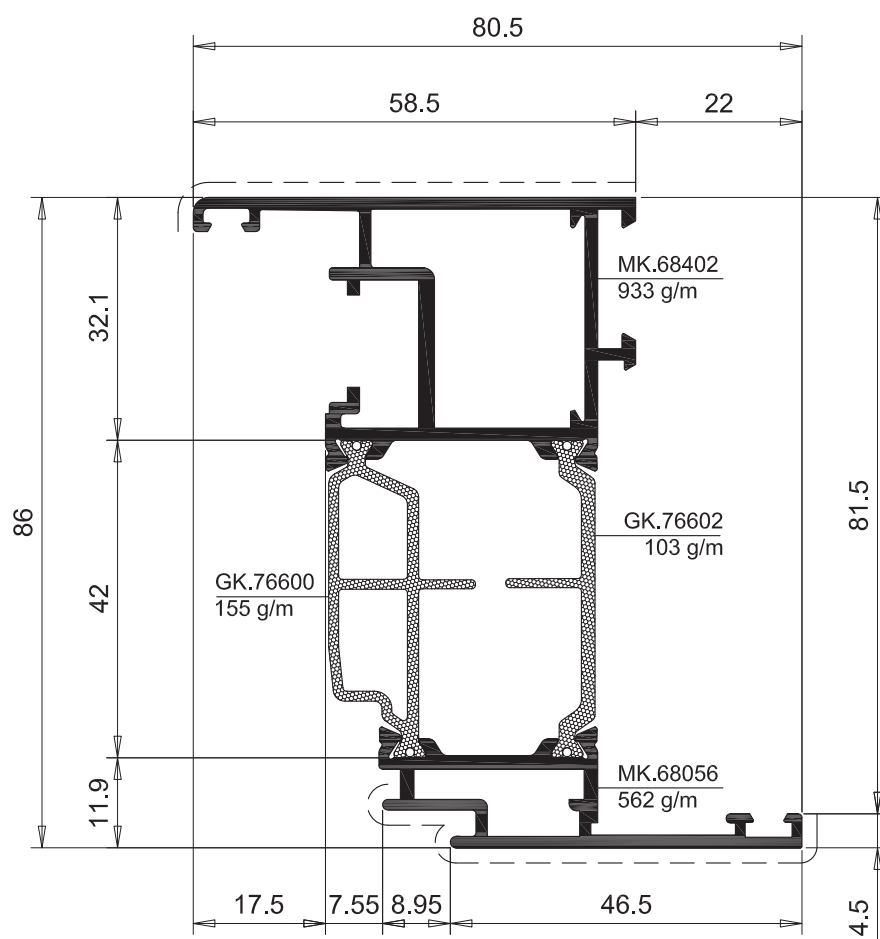
KK.76032			TELAIO MOBILE MAGGIORATO OVERSIZE WING		Y X—X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y	W _x	W _y
Kg/m	mm	mm	cm ⁴	cm ⁴	cm ³	cm ³
2.084	494	173	74.59	40.54		

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CIANFRINARE CALMING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	174-1806	-	AK.68712 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



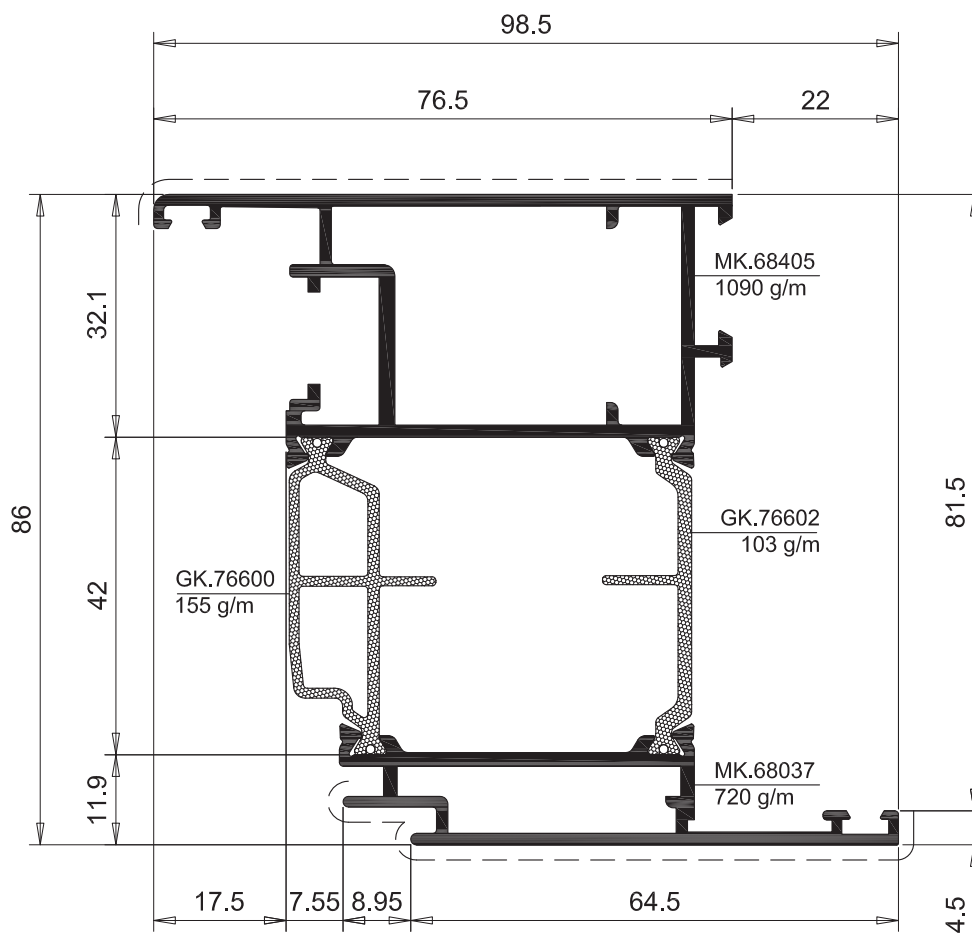
KK.76432			TELAIO MOBILE DOPPIA BATTUTA ARR. OVERSIZE WING		Y X — X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y		
Kg/m	mm	mm	cm ⁴	cm ³		
2.050	472	171	76.40 34.49			

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	174-1806	-	AK.68735 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



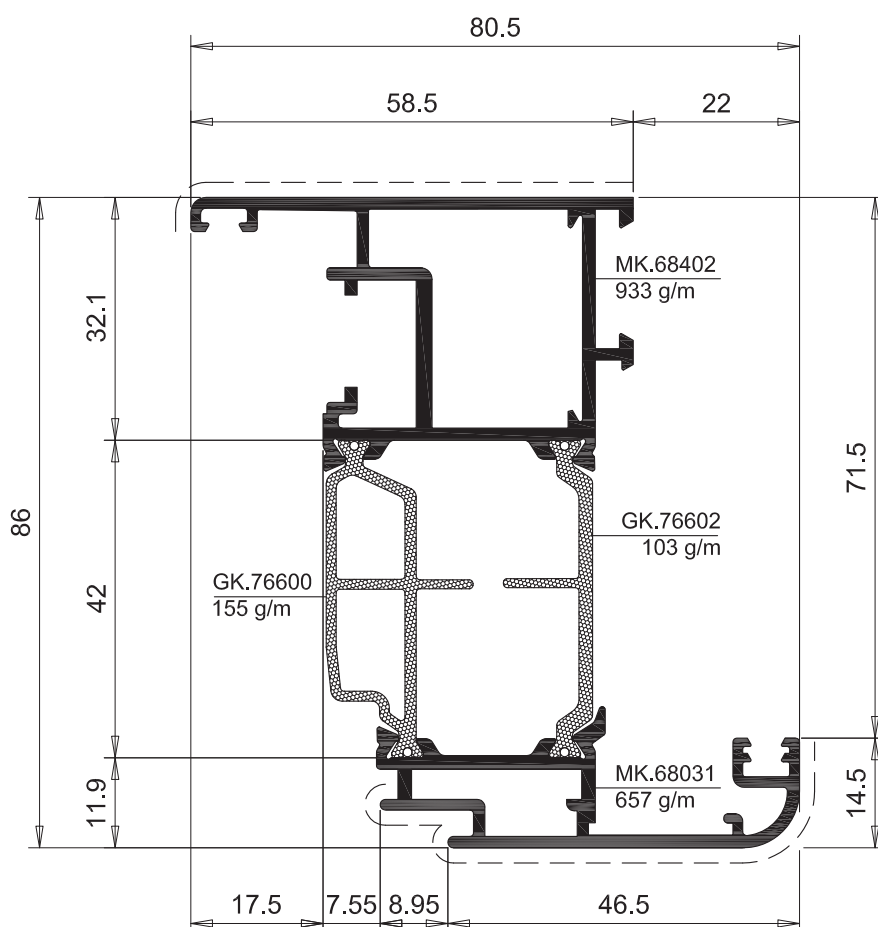
KK.76401	TELAIO MOBILE PISTA 16 EURO GROOVE 16mm WING		Y X—X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.753	454	135	61.94 15.50

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	174-1802	-	AK.68708 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



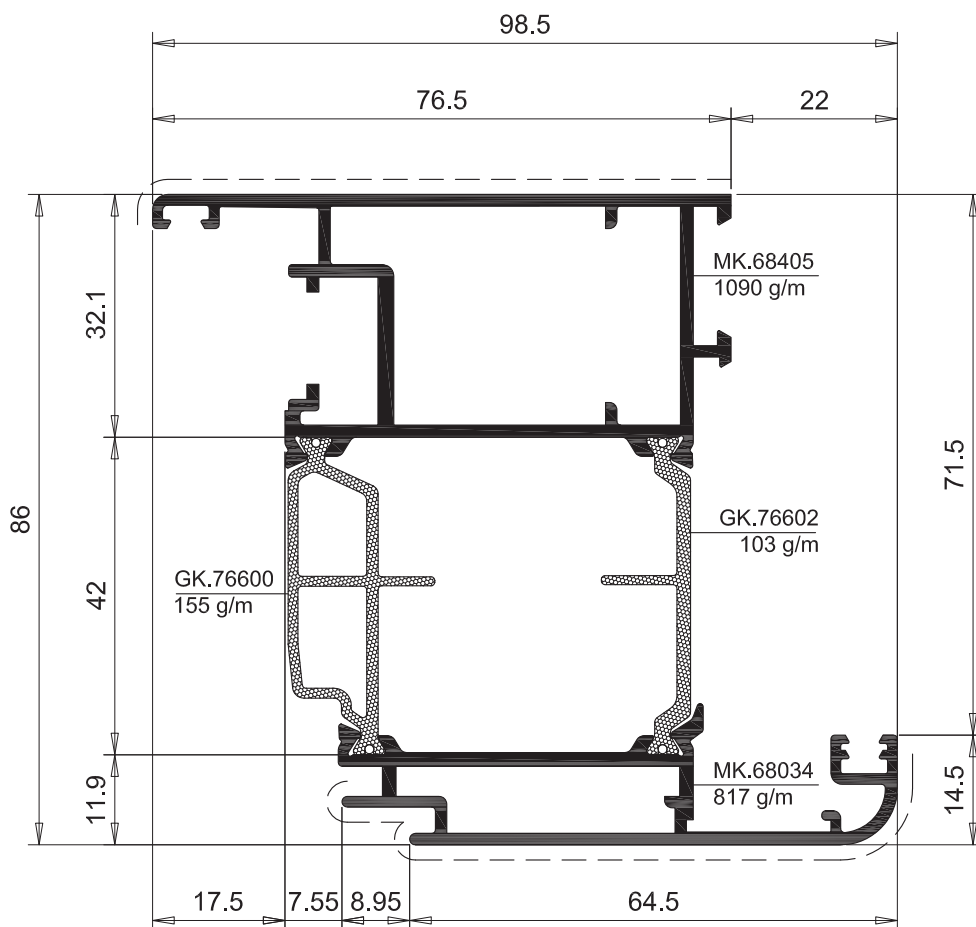
KK.76404			TELAIO MOBILE MAGGIORATO PISTA 16 EURO GROOVE 16mm OVR SIZE WING		Y X — X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y	W _x	W _y
Kg/m	mm	mm	cm ⁴	cm ⁴	cm ³	cm ³
2.068	497	171	77.82	34.33		

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	174-1804	-	AK.68712 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



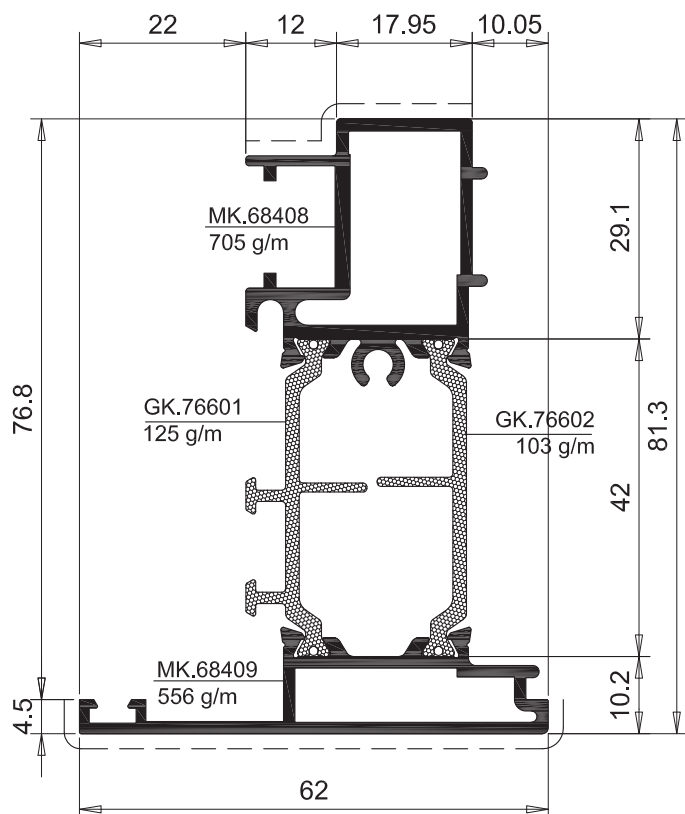
KK.76501	TELAIO MOBILE PISTA 16			
	EURO GROOVE 16mm WING			
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
1.848	483	137	63.91 18.52	

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	174-1802	-	AK.68708 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



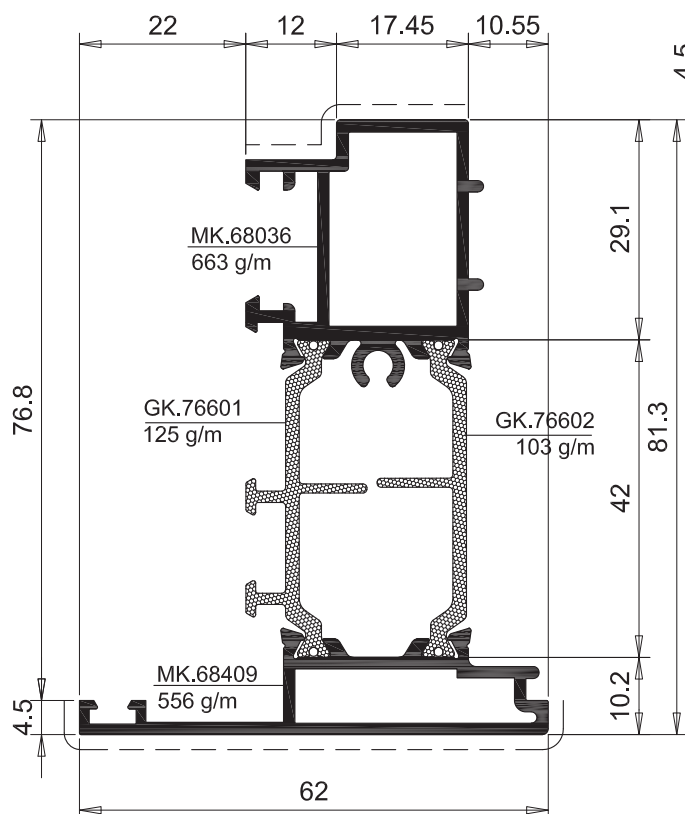
KK.76504			TELAIO MOBILE MAGGIORATO PISTA 16 EURO GROOVE 16mm OVR SIZE WING		Y X — X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y	W _x	W _y
Kg/m	mm	mm	cm ⁴	cm ⁴	cm ³	cm ³
2.165	525	173	79.63	39.09		

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
-	174-1804	-	AK.68712 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-



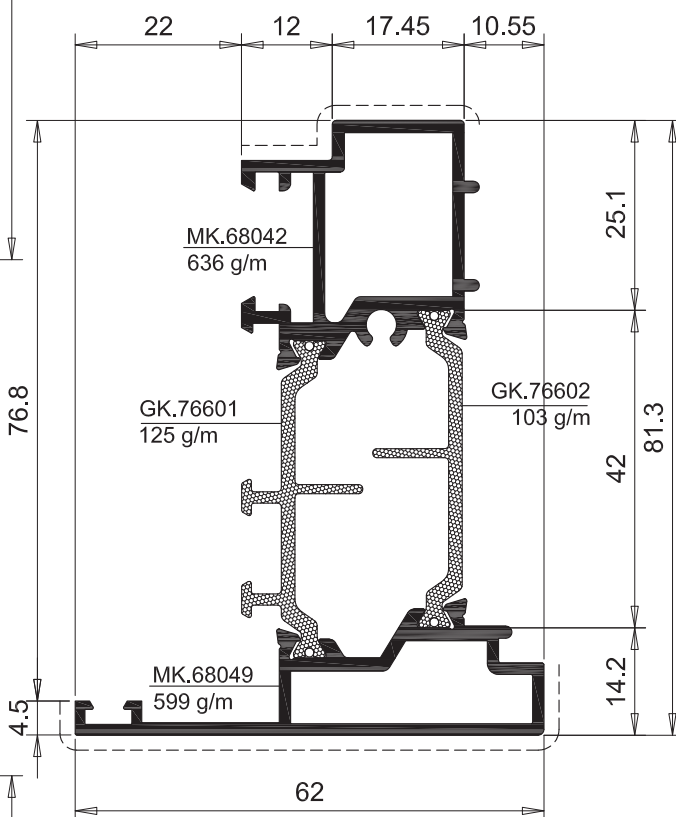
KK.76046		BATTUTA CENTRALE RIPORTATA PER APERTURA EST. E DOPPIA BATTUTA INT. EXTERNAL/INTERNAL OPENING DOUBLE RABBIT		X		Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y	W _x	W _y	
Kg/m	mm	mm	cm ⁴	cm ³			
1.463	379	106	41.79	8.59			

TAPPO DI TENUTA / SEAL PLUG	
AK.76817	



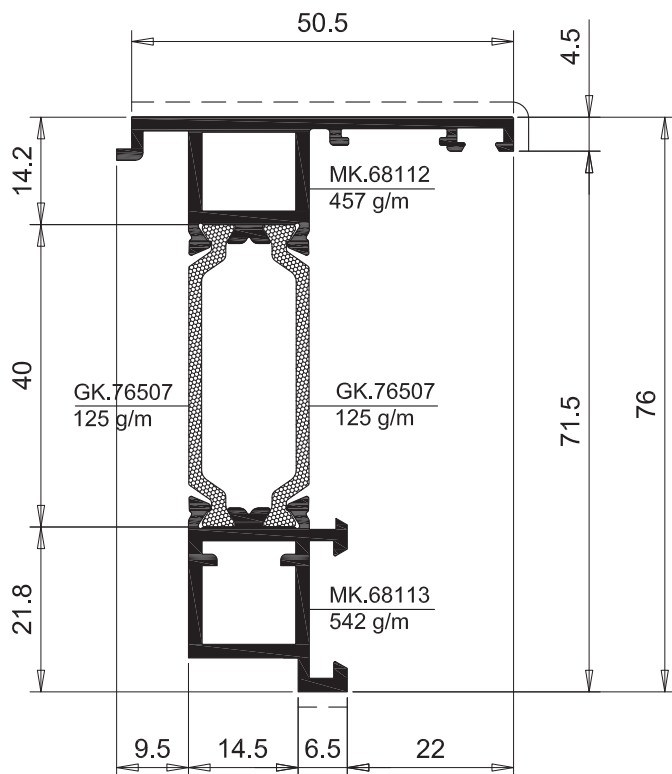
KK.76407		BATTUTA CENTRALE RIPORTATA PISTA 16 EURO GROOVE 16mm CENTRAL RABBIT		X		Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y	W _x	W _y	
Kg/m	mm	mm	cm ⁴	cm ³			
1.489	380	106	41.89	8.40			

TAPPO DI TENUTA / SEAL PLUG	
AK.76814	



KK.76035		BATTUTA CENTRALE RIPORTATA PER APERTURA INTERNA INTERNAL OPENING CENTRAL RABBIT		X		Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y	W _x	W _y	
Kg/m	mm	mm	cm ⁴	cm ³			
1.447	379	106	41.21	8.31			

TAPPO DI TENUTA / SEAL PLUG	
AK.76815	

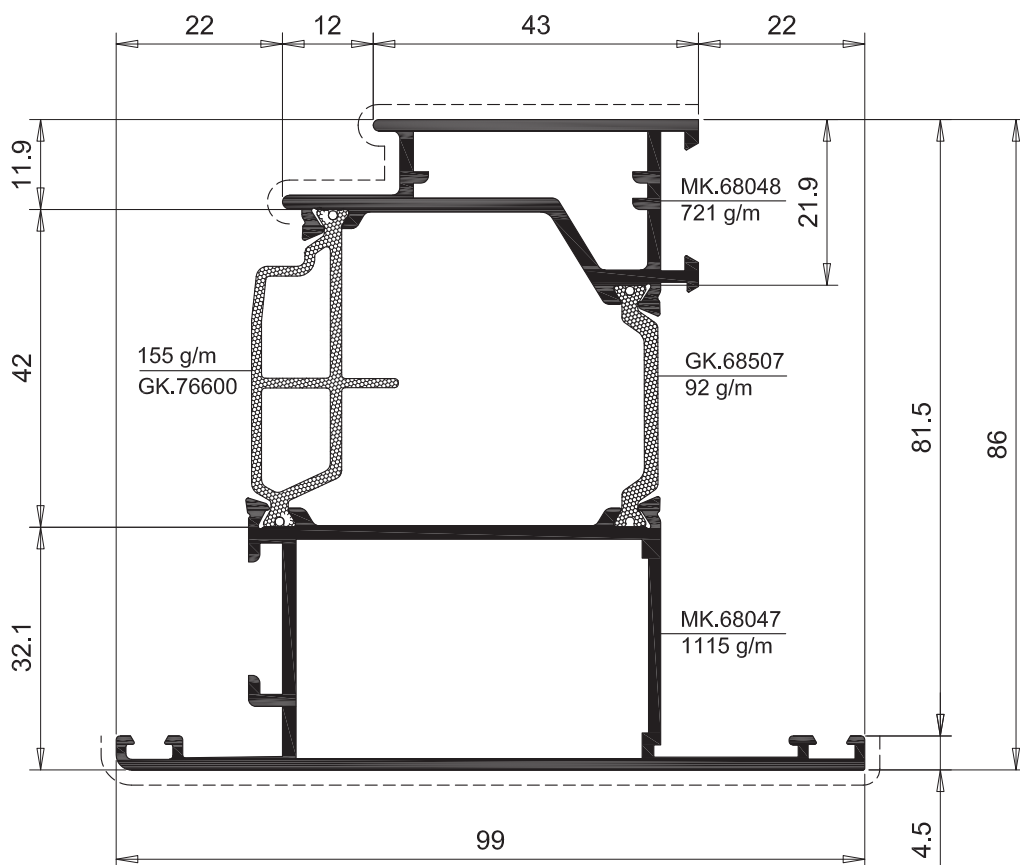


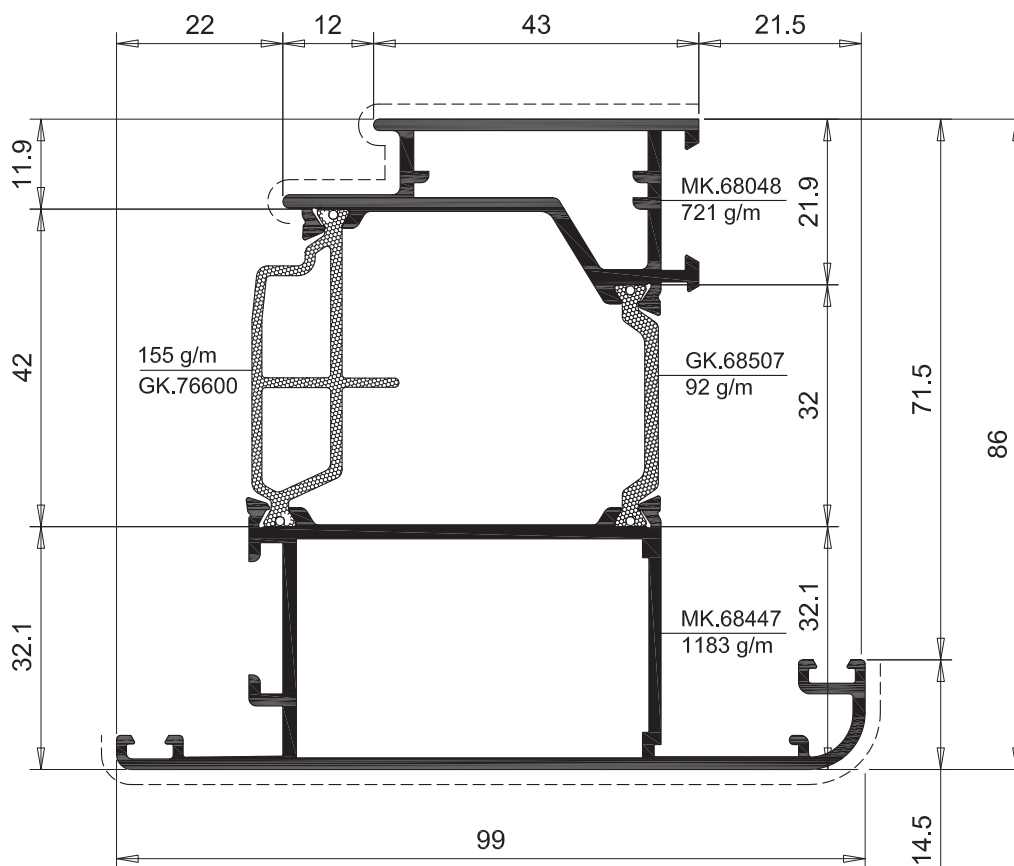
INVERSIONE DI BATTUTA SU TELAIO FRAME RABBIT INVERSION			Y X — X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
1.249	317	62	32.81 4.31	

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CIANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83707 + AK.73714	-	-	AK.83707 + AK.73714
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68725	-	-

TELAJO MOBILE APERTURA ESTERNA EXTERNAL OPENING WING			Y X — X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
2.083	468	179	77.78 35.95	

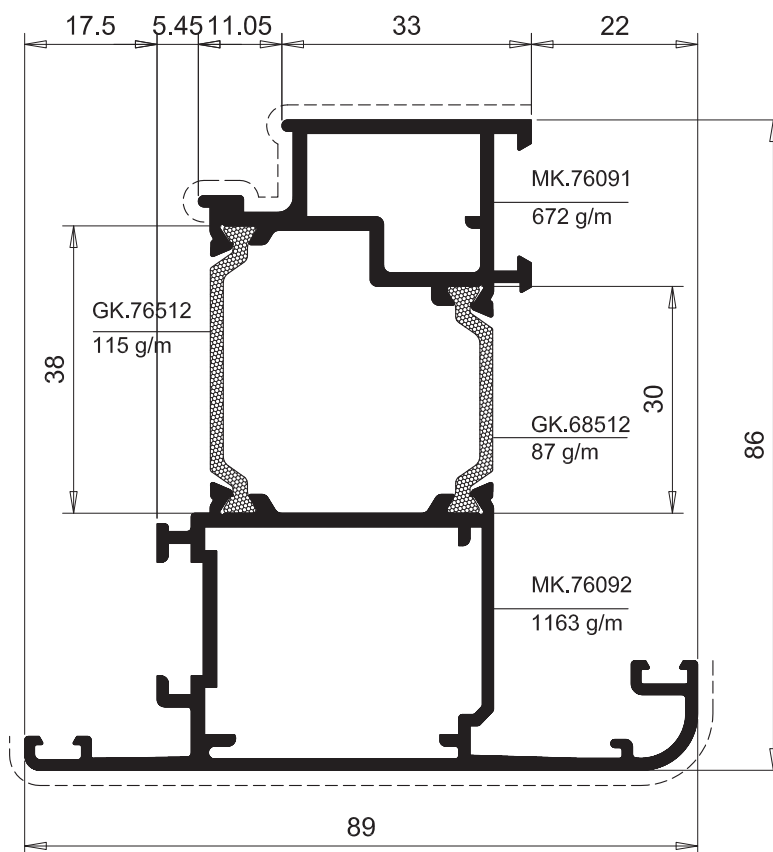
ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	SPINARE PINNING	AVVITARE SCREWING	SPINARE PINNING
	AK.68735 + AK.73715	174-1806	-
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-





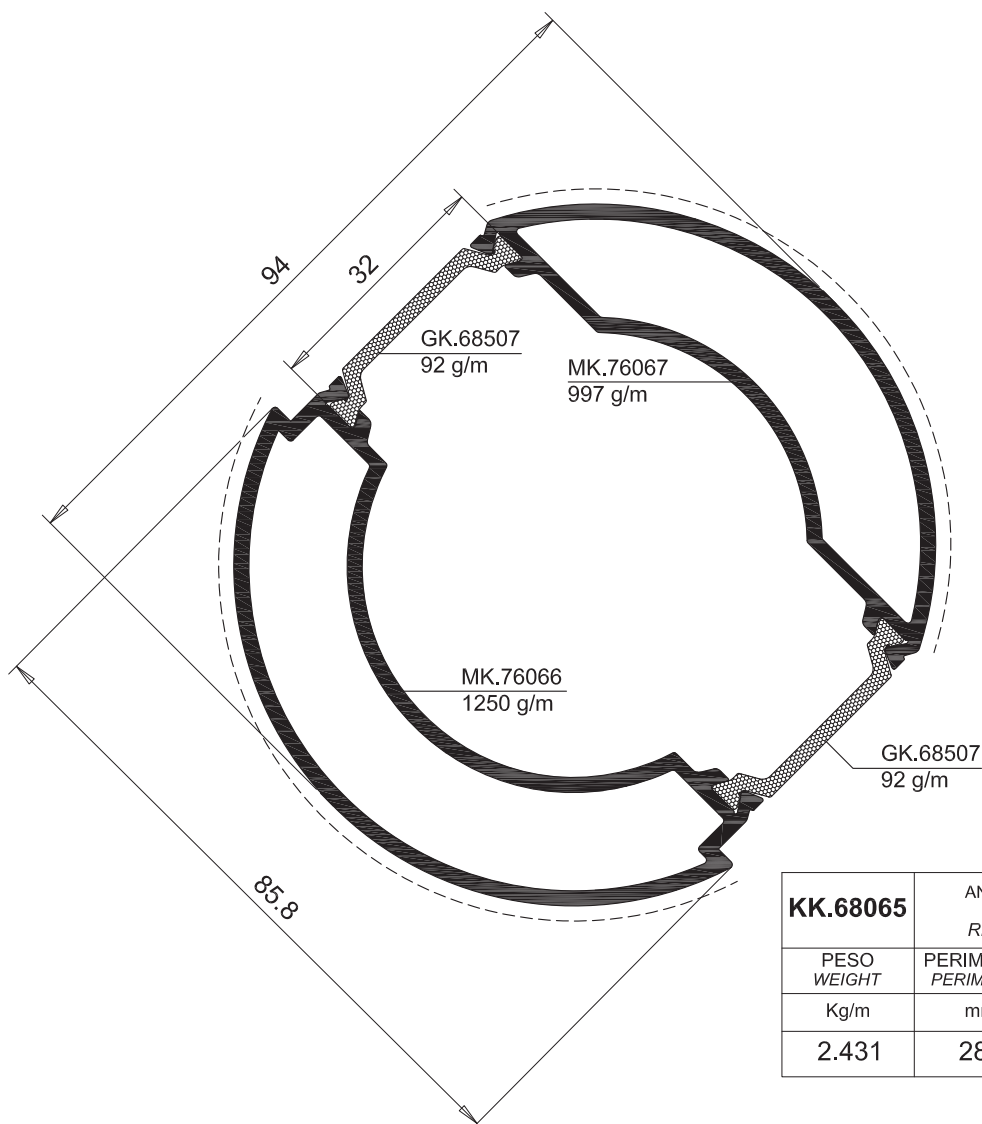
KK.76545	TELAIO MOBILE APERTURA ESTERNA ARR. EXTERNAL OPENING WING		Y X—X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
2.151	468	179	77.78 35.95	

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
CIANFRINARE CALKING	SPINARE PINNING	AVVITARE SCREWING	SPINARE PINNING
	AK.68735 + AK.73715	174-1806	-
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	AK.68718	-	-

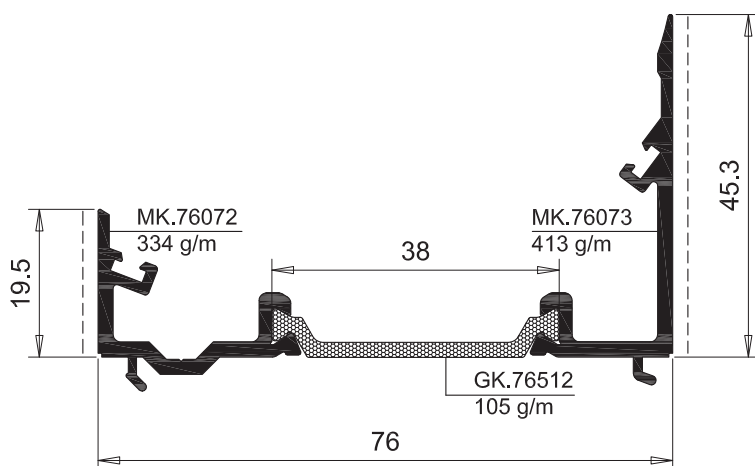


KK.76093	TELAIO MOBILE APERTURA ESTERNA EXTERNAL OPENING WING		Y X—X Y	
	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
2.037	490	165	64.1 28.4	

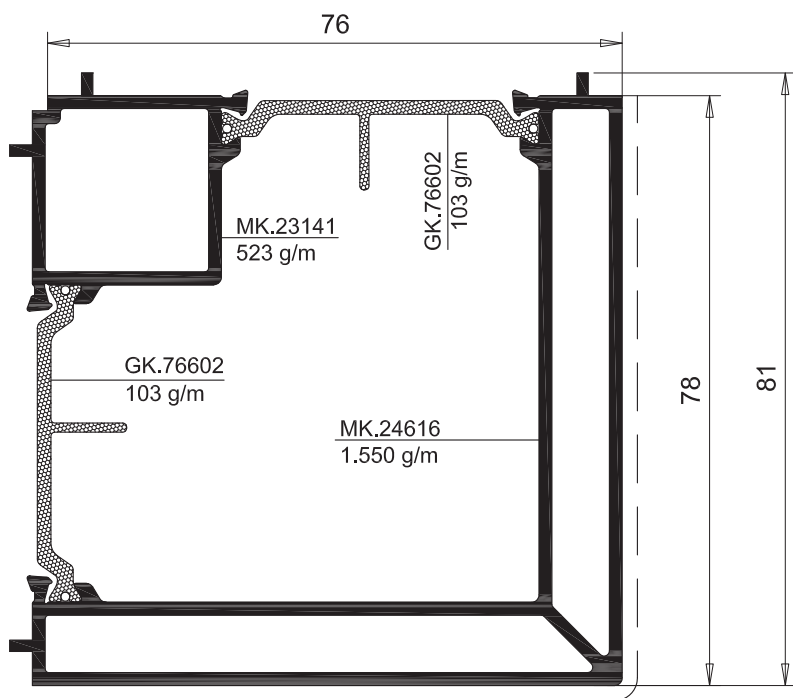
ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.		EXT.	
BOTTONE BUTTON	SPINARE PINNING	CANFRINARE CALKING	SPINARE PINNING
105-0426	105-5004	153-0059	153-0059
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	105-2000	-	-



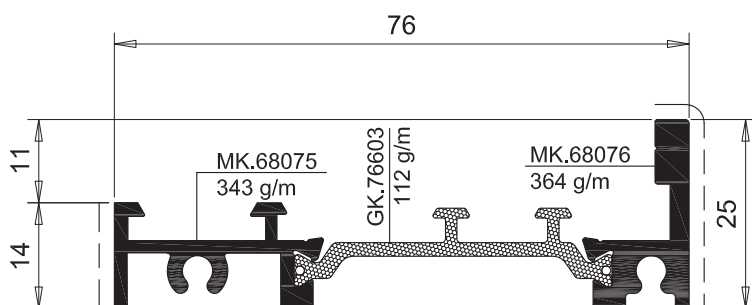
KK.68065	ANGOLO VARIABILE REVOLVIN ANGLE		Y X — X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	2.431	287	206	68 68



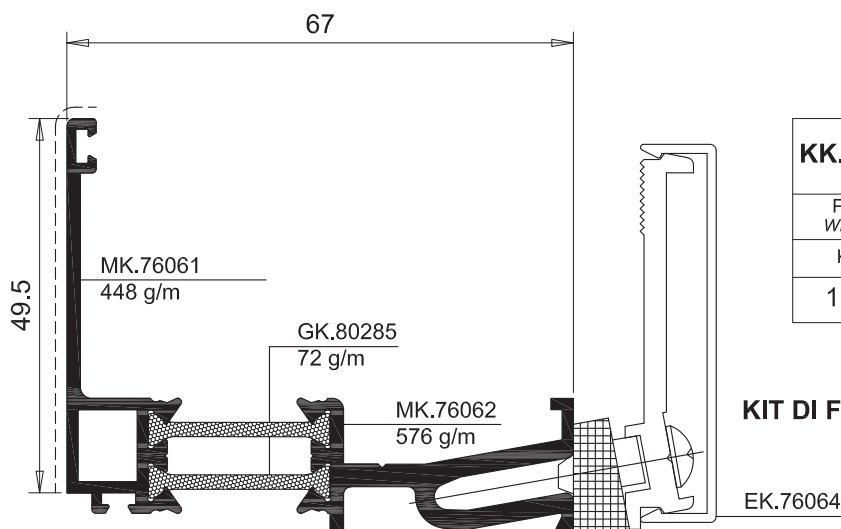
KK.76503	TERMINALE PER ANGOLO VARIABILE TERMINAL FOR REVOLVIN ANGLE		Y X — X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	0.852	352	65	3.82 27.02



PROFILO DI RACCORDO ANGOLO 90° CONNECTING PROFILE CORNER 90°			Y X—X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
2.279	336	156	64.71 64.71	



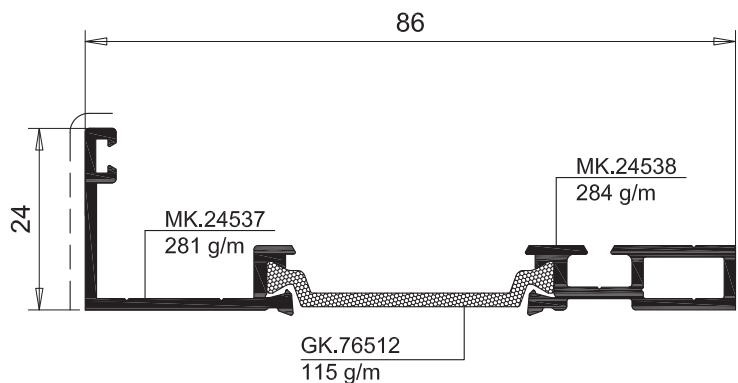
SOGLIA RIDOTTA SMALL THRESHOLD			Y X—X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
0.819	308	44	0.99 23.48	



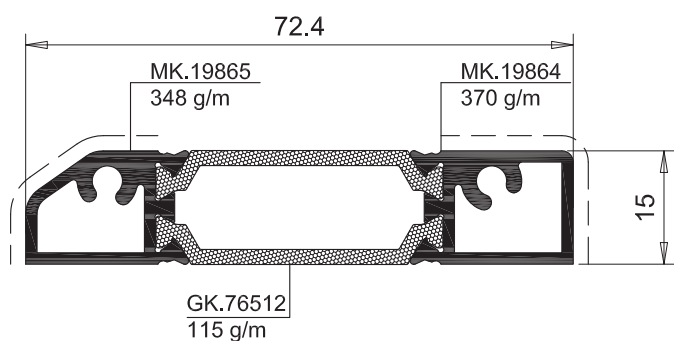
TERMINALE A MURO WALL TERMINAL			Y X—X Y	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
1.168	349	54	6.39 25.6	

**KIT DI FISSAGGIO A MURO
100-1228**

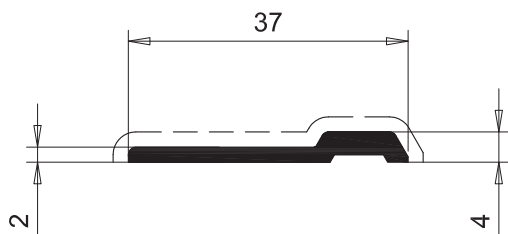
EK.76064



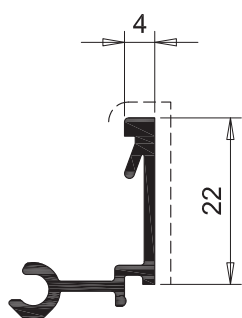
KK.76601	BATTUTA RIPORTATA		Y	
			X	X
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
0.680	-	28	-	-



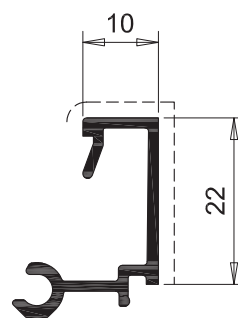
KK.76604	SOGLIA PORTA		Y	
			X	X
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
0.942	-	48	-	-



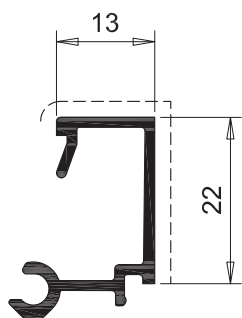
EK.73022	SOGLIA		Y	
			X	X
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
0.235	80	42	-	-



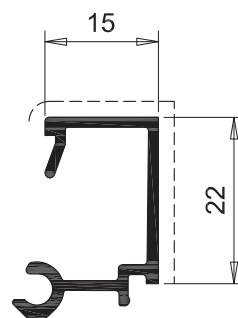
24565	FERMAVETRO DA 4 mm GLASS BEADING 4 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.233	115	26



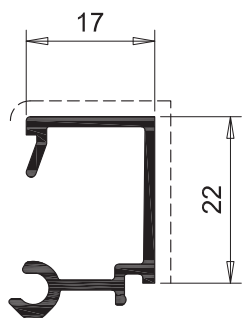
24566	FERMAVETRO DA 10 mm GLASS BEADING 10 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.255	133	32



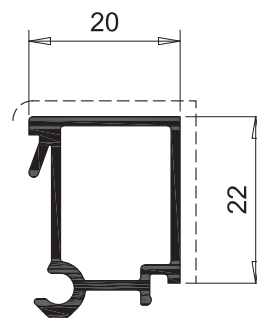
24567	FERMAVETRO DA 13 mm GLASS BEADING 13 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.265	139	35



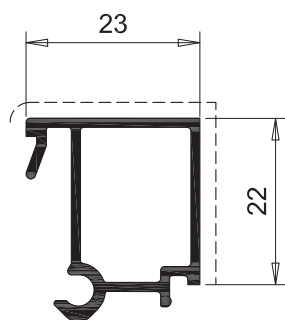
24568	FERMAVETRO DA 15 mm GLASS BEADING 15 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.272	143	37



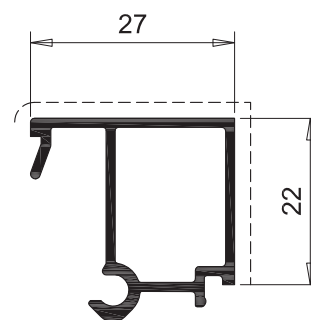
24569	FERMAVETRO DA 17 mm GLASS BEADING 17 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.279	147	39



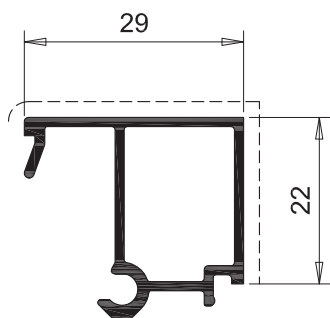
24570	FERMAVETRO DA 20 mm GLASS BEADING 20 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.332	114	42



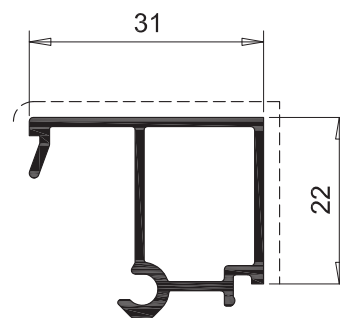
24571	FERMAVETRO DA 23 mm GLASS BEADING 23 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.340	125	45



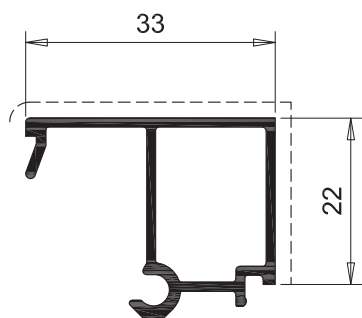
24572	FERMAVETRO DA 27 mm GLASS BEADING 27 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.352	133	49



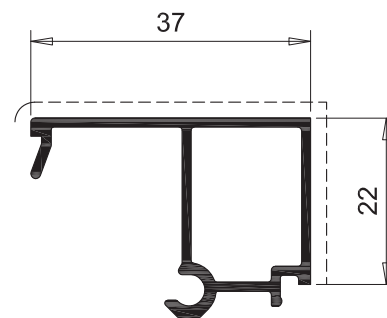
24573	FERMAVETRO DA 29 mm GLASS BEADING 29 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.359	137	51



24528	FERMAVETRO DA 31 mm GLASS BEADING 31 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.366	141	53



24556	FERMAVETRO DA 33 mm GLASS BEADING 33 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.372	145	55

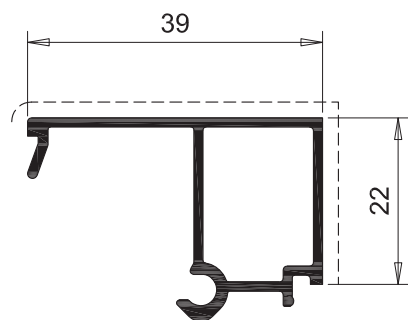


24557	FERMAVETRO DA 37 mm GLASS BEADING 37 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.385	153	59

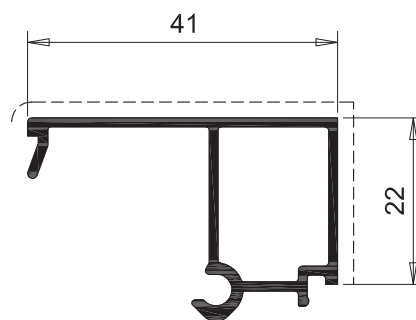


EG-0052

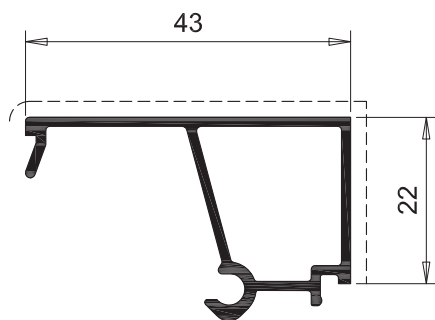
Guarnizione per fissaggio fermavetri
(a pezzi L = 50 mm.)



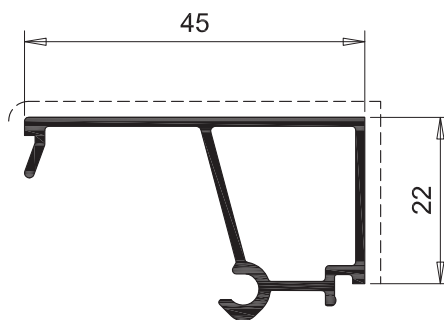
24558	FERMAVETRO DA 39 mm GLASS BEADING 39 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.392	157	61



24559	FERMAVETRO DA 41 mm GLASS BEADING 41 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.399	159	63

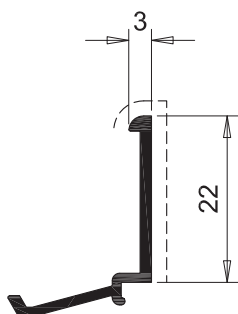


24560	FERMAVETRO DA 43 mm GLASS BEADING 43 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.407	161	65

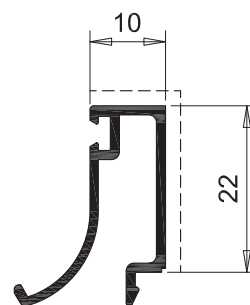


24561	FERMAVETRO DA 45 mm GLASS BEADING 45 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.407	163	67

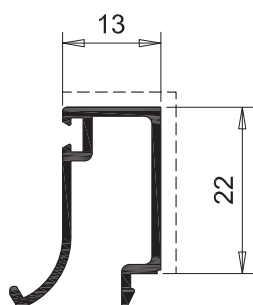




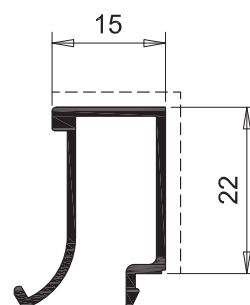
EK.6179	FERMAVETRO DA 3 mm GLASS BEADING 3 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.166	92	26



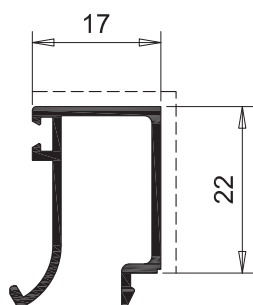
16185	FERMAVETRO DA 10 mm GLASS BEADING 10 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.237	150	31



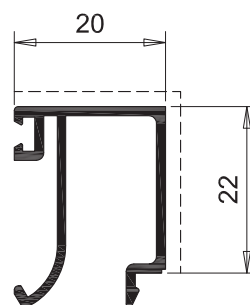
16186	FERMAVETRO DA 13 mm GLASS BEADING 13 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.243	152	35



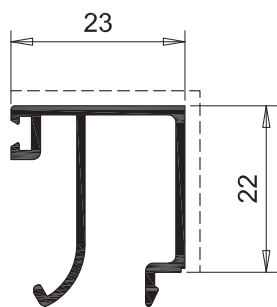
19712	FERMAVETRO DA 15 mm GLASS BEADING 15 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.242	149	36



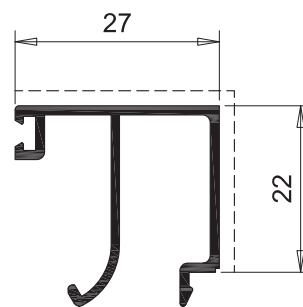
16189	FERMAVETRO DA 17 mm GLASS BEADING 17 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.252	159	39



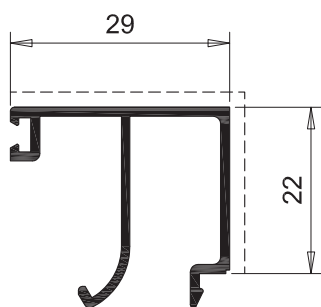
22618	FERMAVETRO DA 20 mm GLASS BEADING 20 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.271	170	42



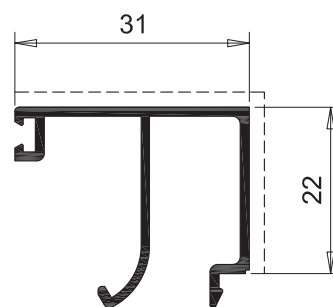
16191	FERMAVETRO DA 23 mm GLASS BEADING 23 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.290	183	44



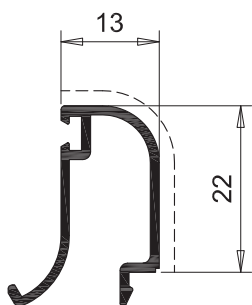
16193	FERMAVETRO DA 27 mm GLASS BEADING 27 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.303	190	48



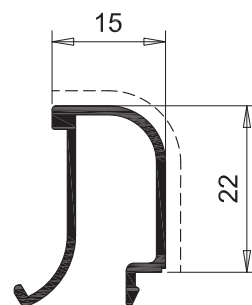
16195	FERMAVETRO DA 29 mm GLASS BEADING 29 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.310	195	50



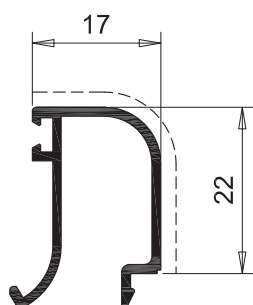
16197	FERMAVETRO DA 31 mm GLASS BEADING 31 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.316	199	52



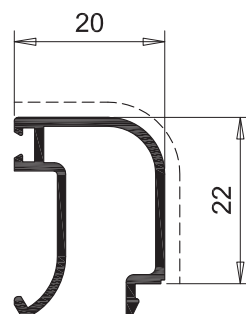
16187	FERMAVETRO DA 13 mm GLASS BEADING 13 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.232	147	31



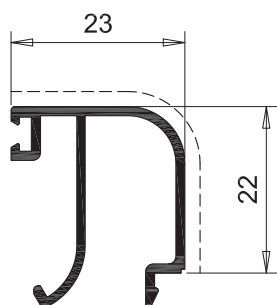
16188	FERMAVETRO DA 15 mm GLASS BEADING 15 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.233	143	33



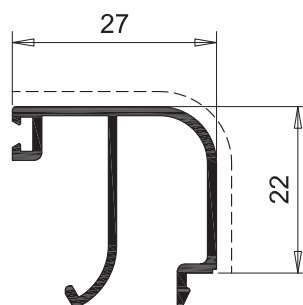
16190	FERMAVETRO DA 17 mm GLASS BEADING 17 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.242	154	35



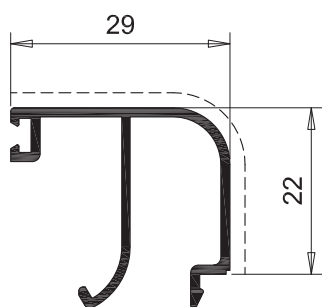
EK.22619	FERMAVETRO DA 20 mm GLASS BEADING 20 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.260	165	38



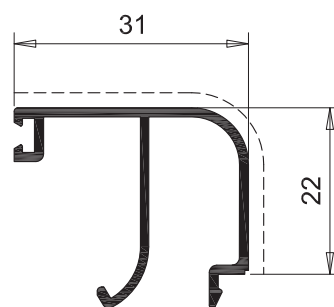
16192	FERMAVETRO DA 23 mm GLASS BEADING 23 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.280	177	41



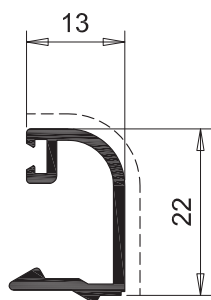
16194	FERMAVETRO DA 27 mm GLASS BEADING 27 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.293	185	45



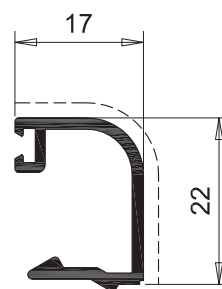
16196	FERMAVETRO DA 29 mm GLASS BEADING 29 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.300	189	47



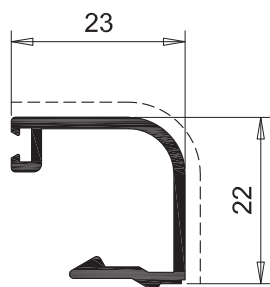
16198	FERMAVETRO DA 31 mm GLASS BEADING 31 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.306	194	49



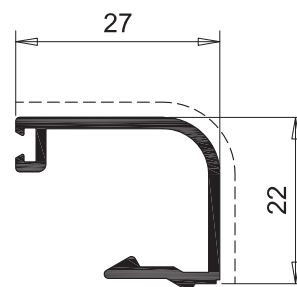
4290	FERMAVETRO DA 13 mm GLASS BEADING 13 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.225	112	30



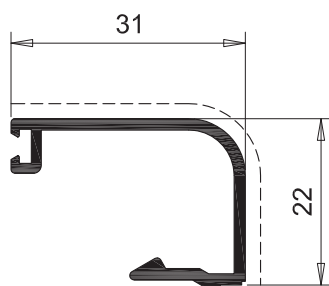
4291	FERMAVETRO DA 17 mm GLASS BEADING 17 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.245	120	34



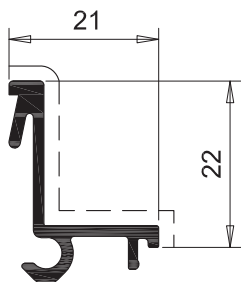
4292	FERMAVETRO DA 23 mm GLASS BEADING 23 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.265	132	40



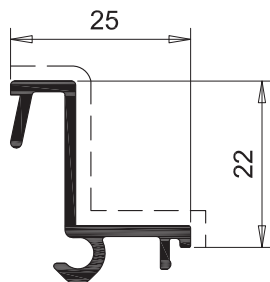
25105	FERMAVETRO DA 27 mm GLASS BEADING 27 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.280	140	44



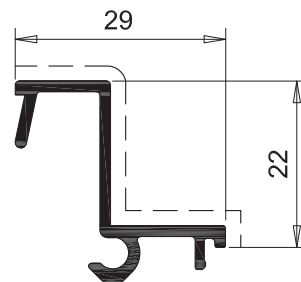
4197	FERMAVETRO DA 31 mm GLASS BEADING 31 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.300	148	48



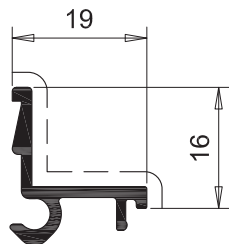
24676	FERMAVETRO DA 21 mm GLASS BEADING 21 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.251	118	42



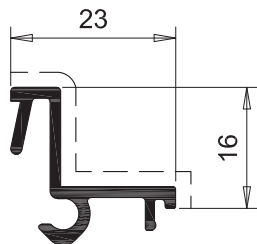
26561	FERMAVETRO DA 25 mm GLASS BEADING 25 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.257	130	46



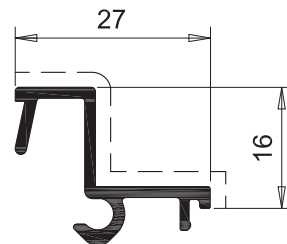
26562	FERMAVETRO DA 29 mm GLASS BEADING 29 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.272	138	51



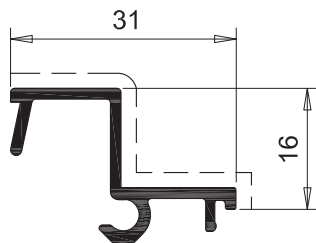
26572	FERMAVETRO DA 19 mm GLASS BEADING 19 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.196	94	34



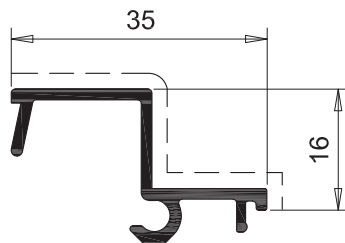
26563	FERMAVETRO DA 23 mm GLASS BEADING 23 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.227	114	38



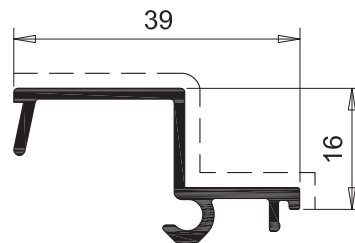
26564	FERMAVETRO DA 27 mm GLASS BEADING 27 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.242	122	42



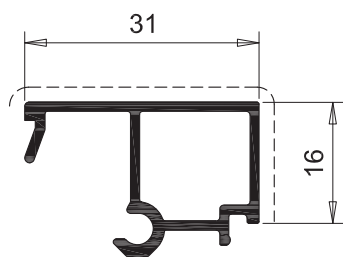
26565	FERMAVETRO DA 31 mm GLASS BEADING 31 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.257	130	46



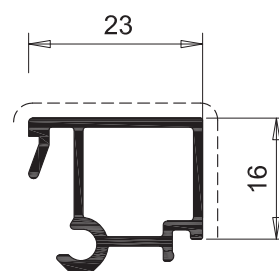
26566	FERMAVETRO DA 35 mm GLASS BEADING 35 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.273	138	50



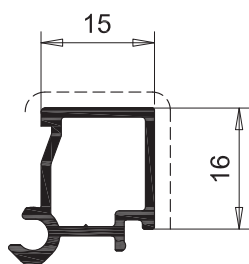
26567	FERMAVETRO DA 39 mm GLASS BEADING 39 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.287	146	54



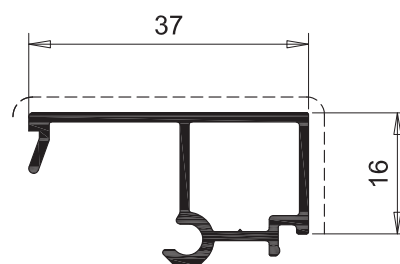
24611	FERMAVETRO DA 31 mm GLASS BEADING 31 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.327	129	47



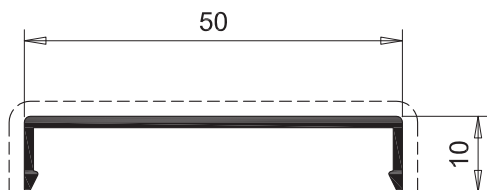
24612	FERMAVETRO DA 23 mm GLASS BEADING 23 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.300	113	39



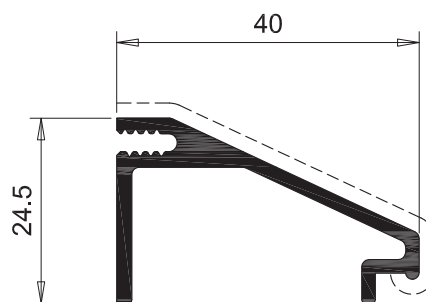
32200	FERMAVETRO DA 15 mm GLASS BEADING 15 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.256	89	31



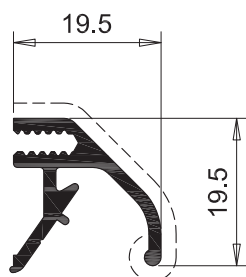
32201	FERMAVETRO DA 37 mm GLASS BEADING 37 mm	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.346	141	53



KK.76064	COPRIFILO COVER JOINT	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.260	136	70

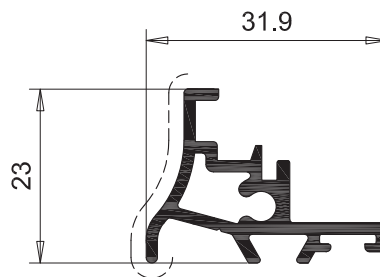


EK.16588	SCIVOLO PER SOGLIA SLIDE FOR THRESHOLD	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.470	174	50



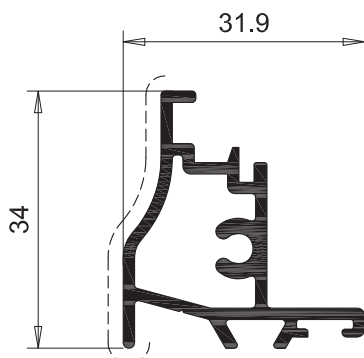
EK.14505	GOCCIOLATOIO WATER DRAINAGE	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.299	130	38

TAPPO / PLUG		
AK.93540		



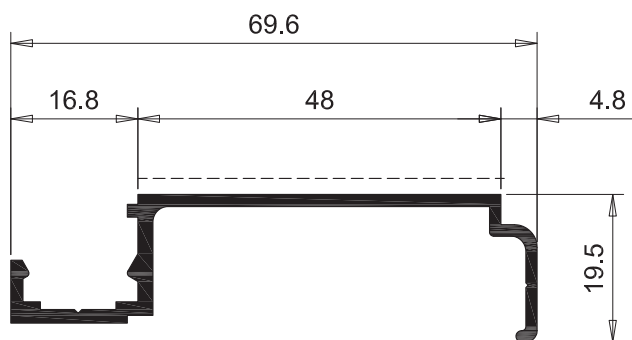
EK.14570	GOCCIOLATOIO SOGLIA WATER DRAINAGE	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.407	134	31

TAPPO / PLUG		
AK.93541		

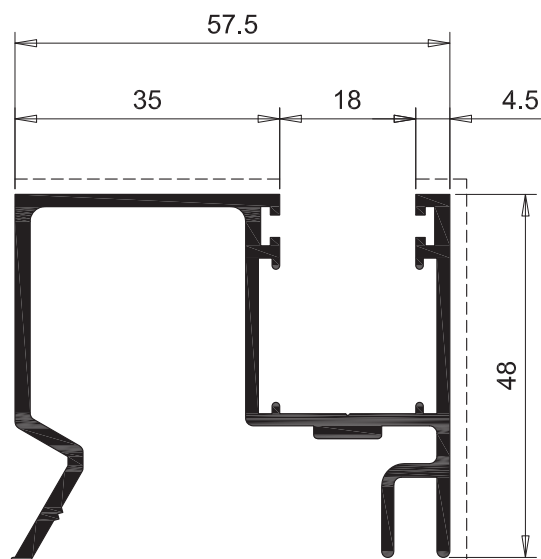


EK.14569	TRASFORMAZIONE ANTA IN ZOCCOLO	
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.
Kg/m	mm	mm
0.544	163	42

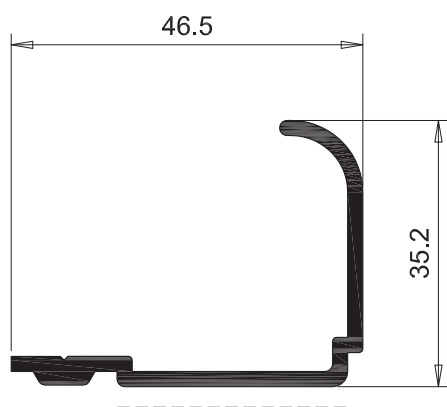
TAPPO / PLUG		
AK.93542		



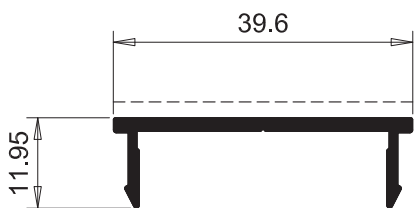
EK.83206	RIPORTO PER SPALLA MONOBLOCCO ADDITIONAL MONOBLOCK FRAME	
	PESO WEIGHT	SUP. VISTA SHOWN SURF.
	Kg/m	mm
	0.500	177



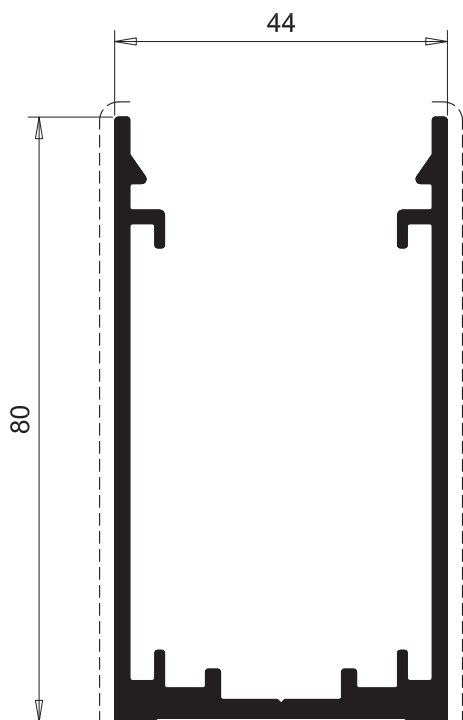
EK.83207	GUIDA PER TAPPARELLA ROLLING SHUTTER GUIDE	
	PESO WEIGHT	SUP. VISTA SHOWN SURF.
	Kg/m	mm
	1.090	449



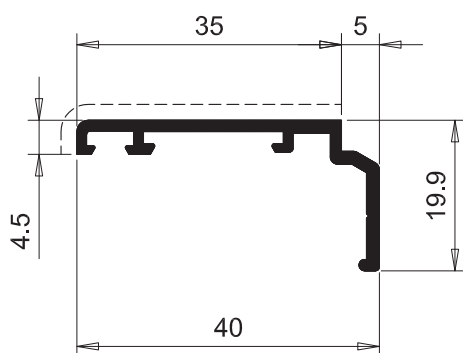
EK.83208	CELINO MONOBLOCCO MONOBLOCK ADDED UPPER	
	PESO WEIGHT	SUP. VISTA SHOWN SURF.
	Kg/m	mm
	0.500	177



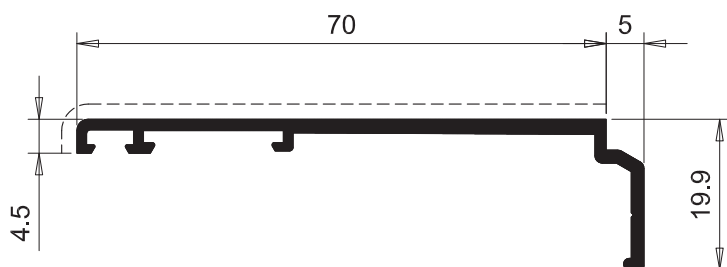
EK.24523	COPERTINA DI RINFORZO REINFORCEMENT COVER		Y X—X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	0.270	123	39	- - - -



EK.24524	RINFORZO REINFORCEMENT		Y X—X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	1.423	460	162	37.64 18.1 12.6 8.2



EK.83170	BATTUTA RIPORTATA DA 35mm ADDITIONAL RABBET 35mm		Y X—X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	0.289	143	40	- - - -



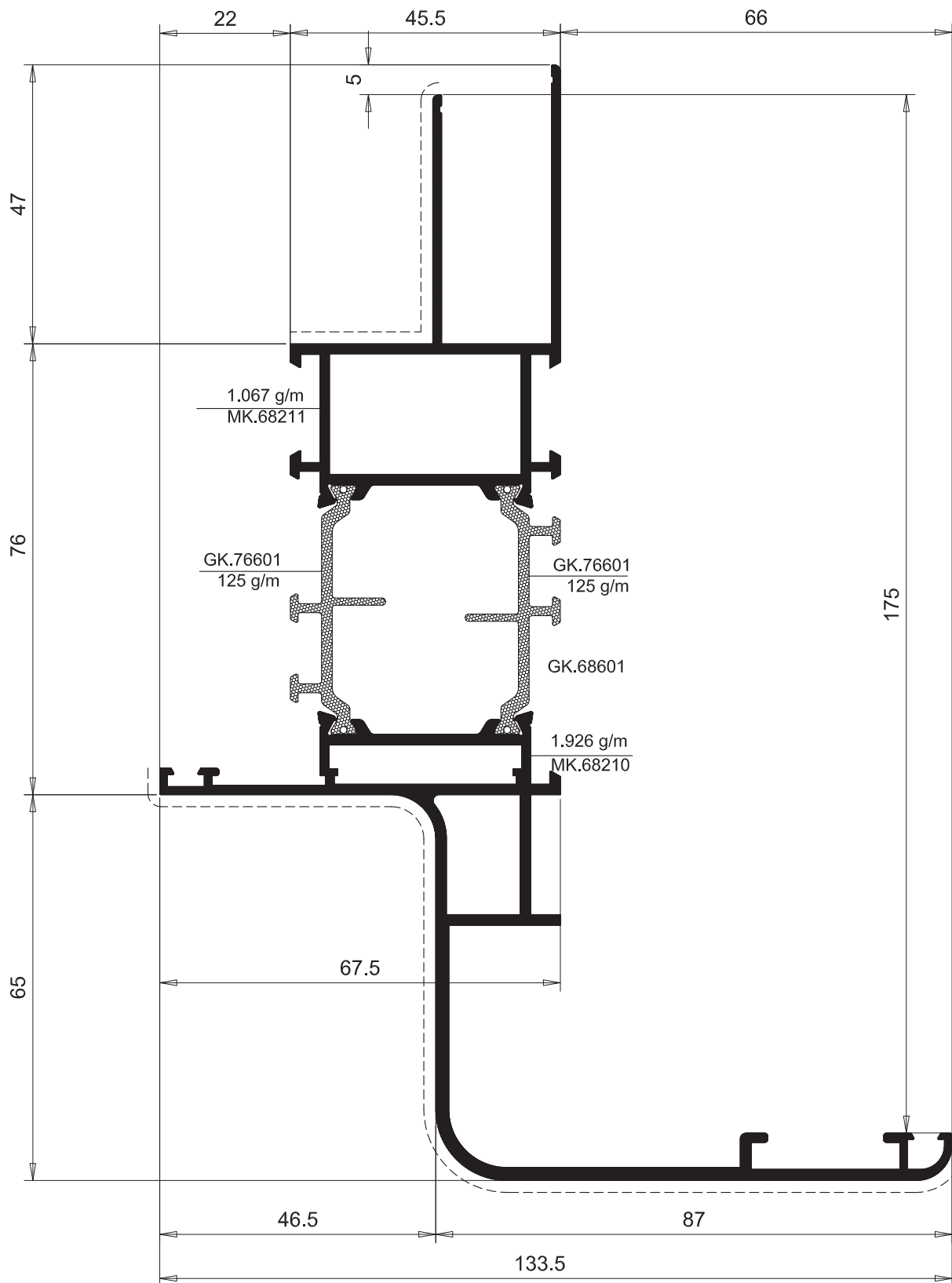
EK.83262	BATTUTA RIPORTATA DA 70mm ADDITIONAL RABBET 70mm		Y X—X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y W _x W _y
	Kg/m	mm	mm	cm ⁴ cm ³
	0.471	213	75	- - - -



Sistemi

TH76

DATA	SCHEDA
Luglio 2023	3.59



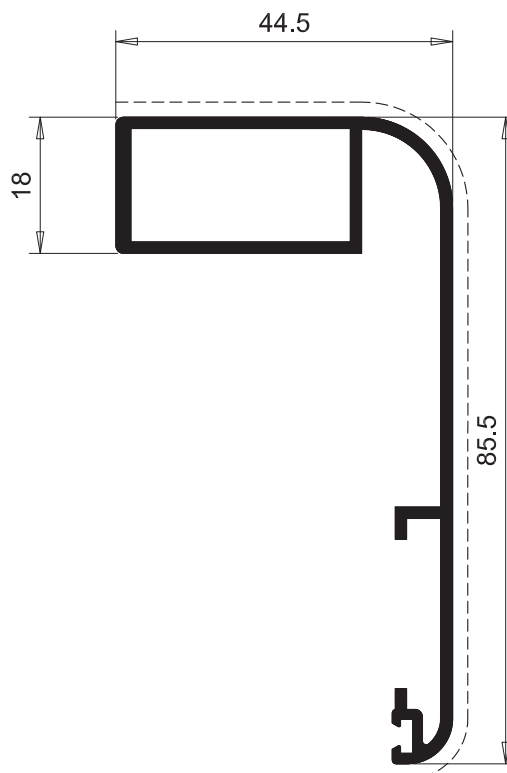
KK.76209	IMBOTTE INDUSTRIALE EXPANSION FRAME		Y X — X Y	
	PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	
	Kg/m	mm	mm	
3.243	907	269		

ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			EXT.
CANFRINARE CALKING	AVVITARE SCREWING	SPINARE PINNING	SPINARE PINNING
AK.83703 + AK.73714	-	-	AK.68709 + AK.73715
ALLINEAMENTO / ALIGNMENT		ANG. VAR. / ADJUST. CORNER	
INT.	EXT.	INT.	EXT.
-	105-7510 + AK.68718	-	-

LISTA PROFILI
PROFILI SCALA 1:1

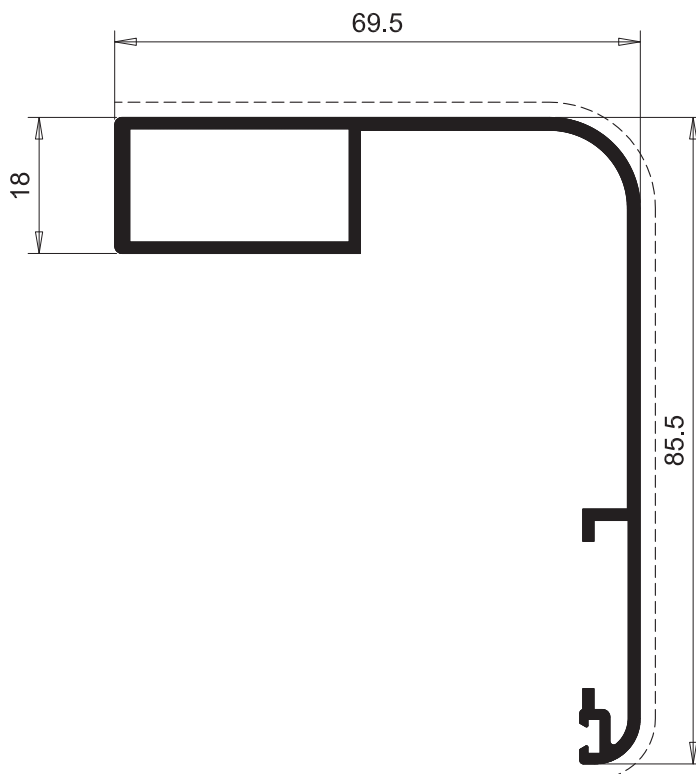
6026	IMBOTTE DA 44.5 mm FOR EXPANSION FIXED FRAME 44.5 mm			
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y
Kg/m	mm	mm	cm ⁴	cm ⁴
0.893	331	129	-	-

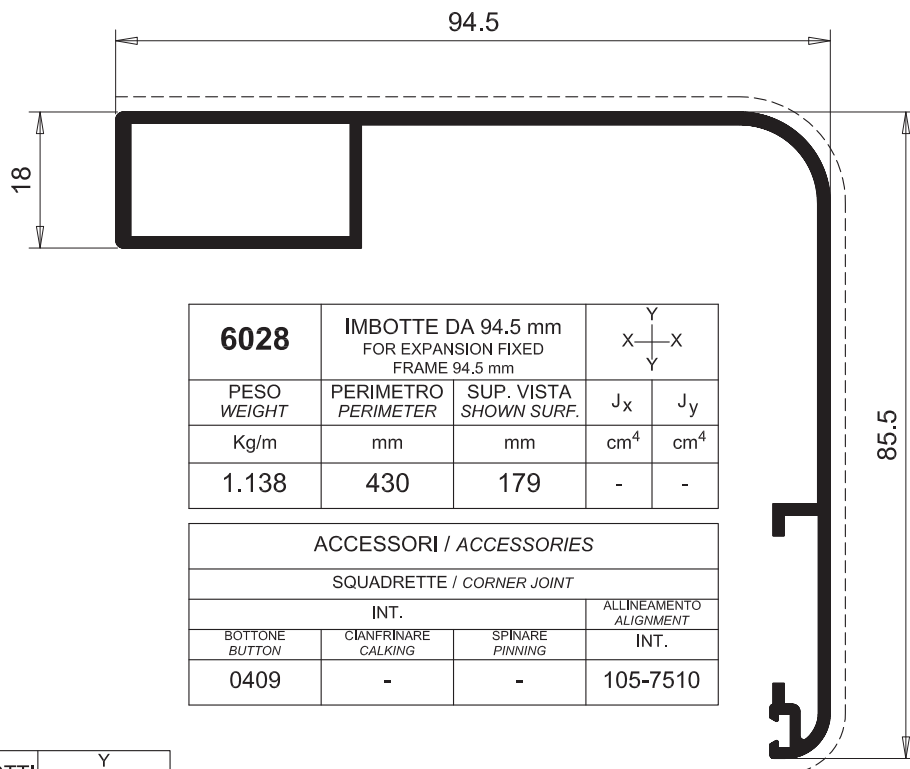
ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			ALLINEAMENTO ALIGNMENT
BOTTONE BUTTON	CIANFRINARE CALKING	SPINARE PINNING	INT.
0409	-	-	105-7510



6027	IMBOTTE DA 69.5 mm FOR EXPANSION FIXED FRAME 69.5 mm			
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y
Kg/m	mm	mm	cm ⁴	cm ⁴
1.023	380	154	-	-

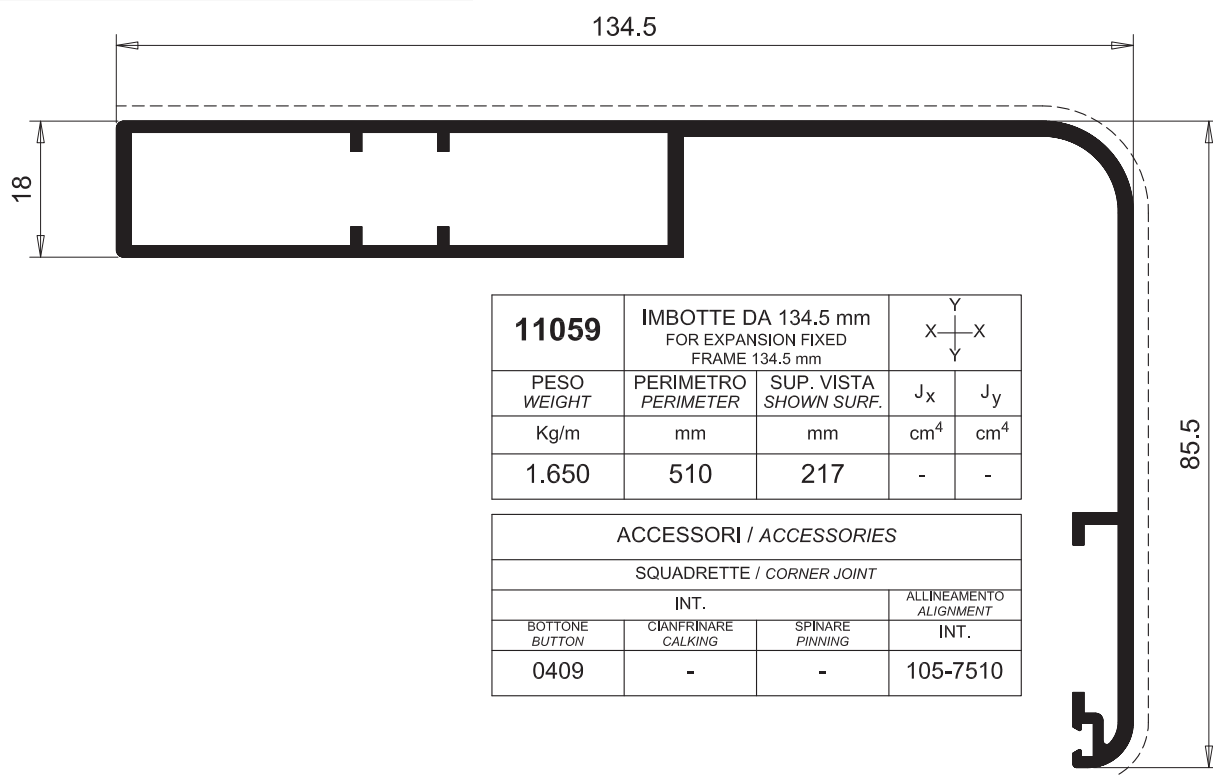
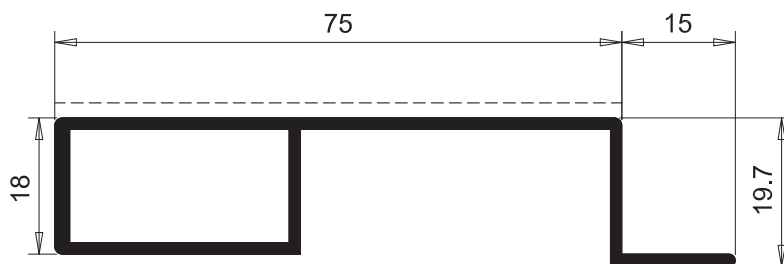
ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			ALLINEAMENTO ALIGNMENT
BOTTONE BUTTON	CIANFRINARE CALKING	SPINARE PINNING	INT.
0409	-	-	105-7510



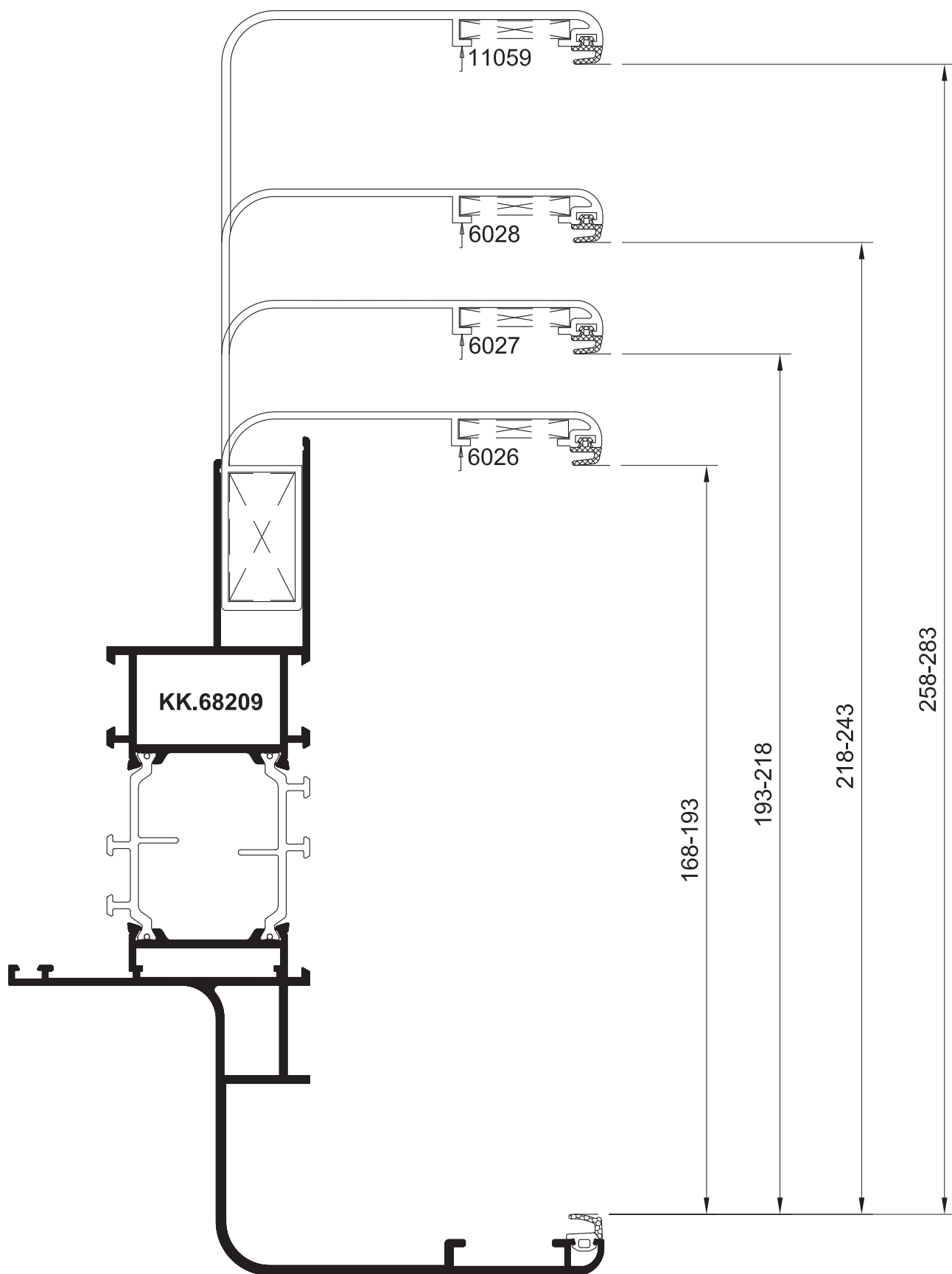


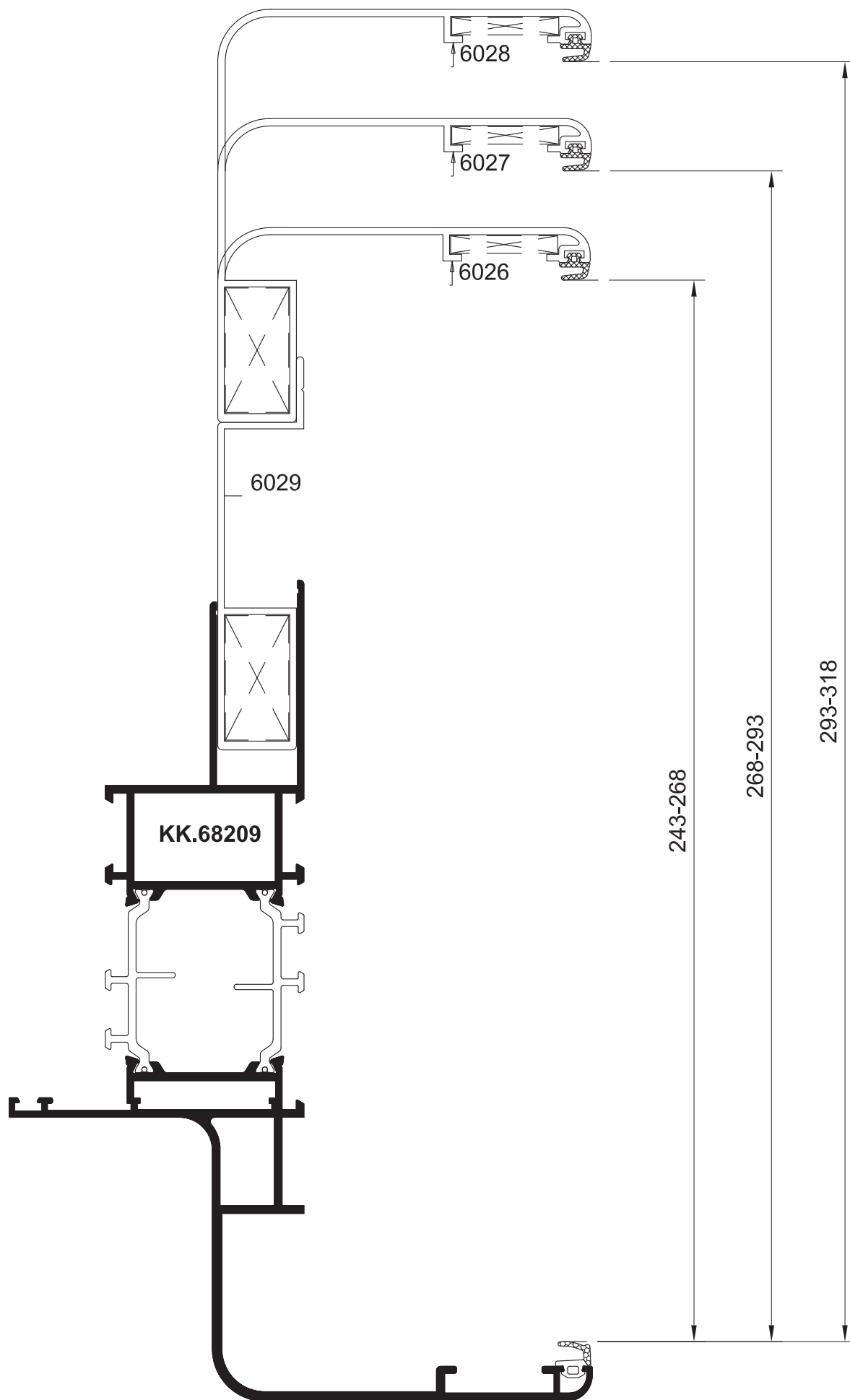
6029	PROLUNGA PER IMBOTTI ADDITIONAL EXPANSION FIXED FRAME			
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x	J _y
Kg/m	mm	mm	cm ⁴	cm ⁴
0.716	250	73	-	-

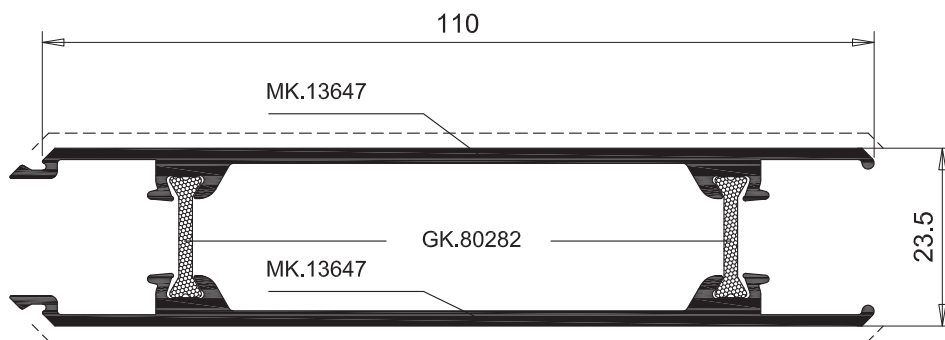
ACCESSORI / ACCESSORIES			
SQUADRETTE / CORNER JOINT			
INT.			ALLINEAMENTO ALIGNMENT
BOTTONE BUTTON	CANFRINARE CALKING	SPINARE PINNING	INT.
0409	-	-	-



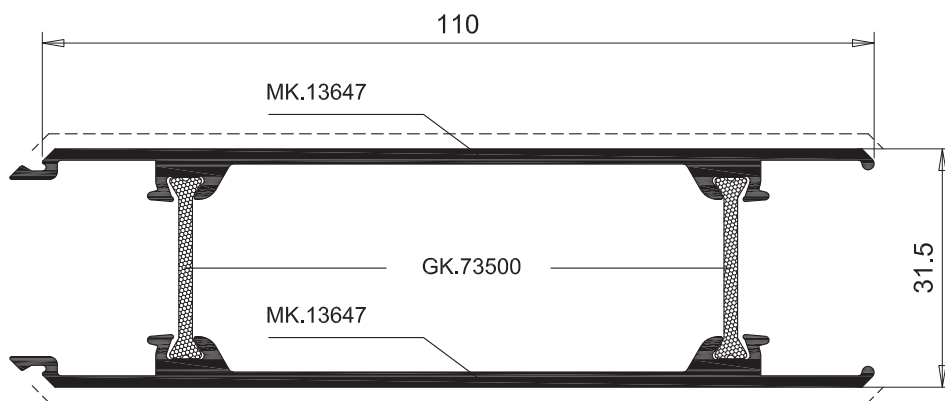
LISTA PROFILI
PROFILI SCALA 1:1



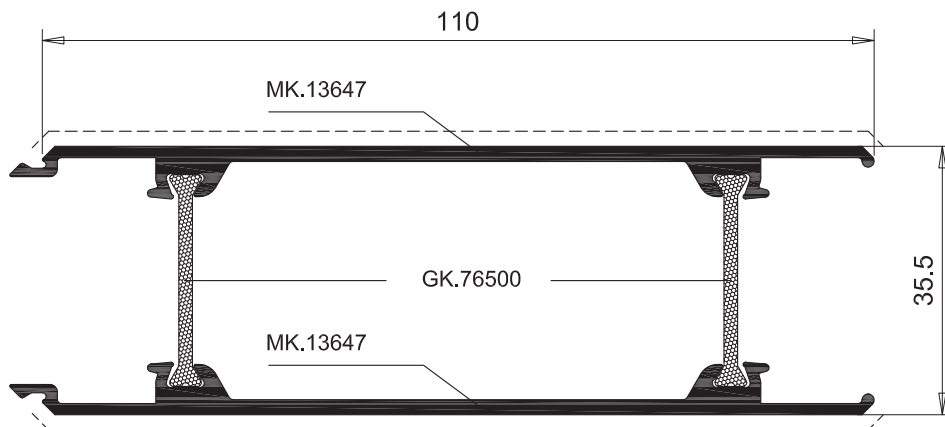




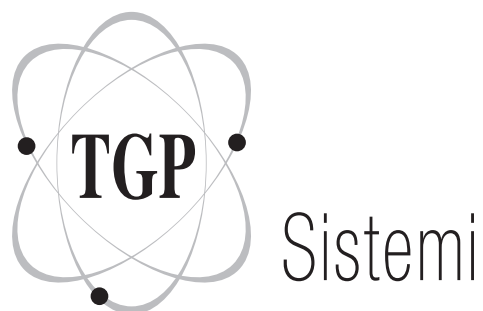
KK.13648		DOGA 110x23,5 mm STAVE 110x23,5 mm		
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
1.570	-	220	-	-



KK.13649		DOGA 110x31,5 mm STAVE 110x31,5 mm		
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
1.615	-	220	-	-



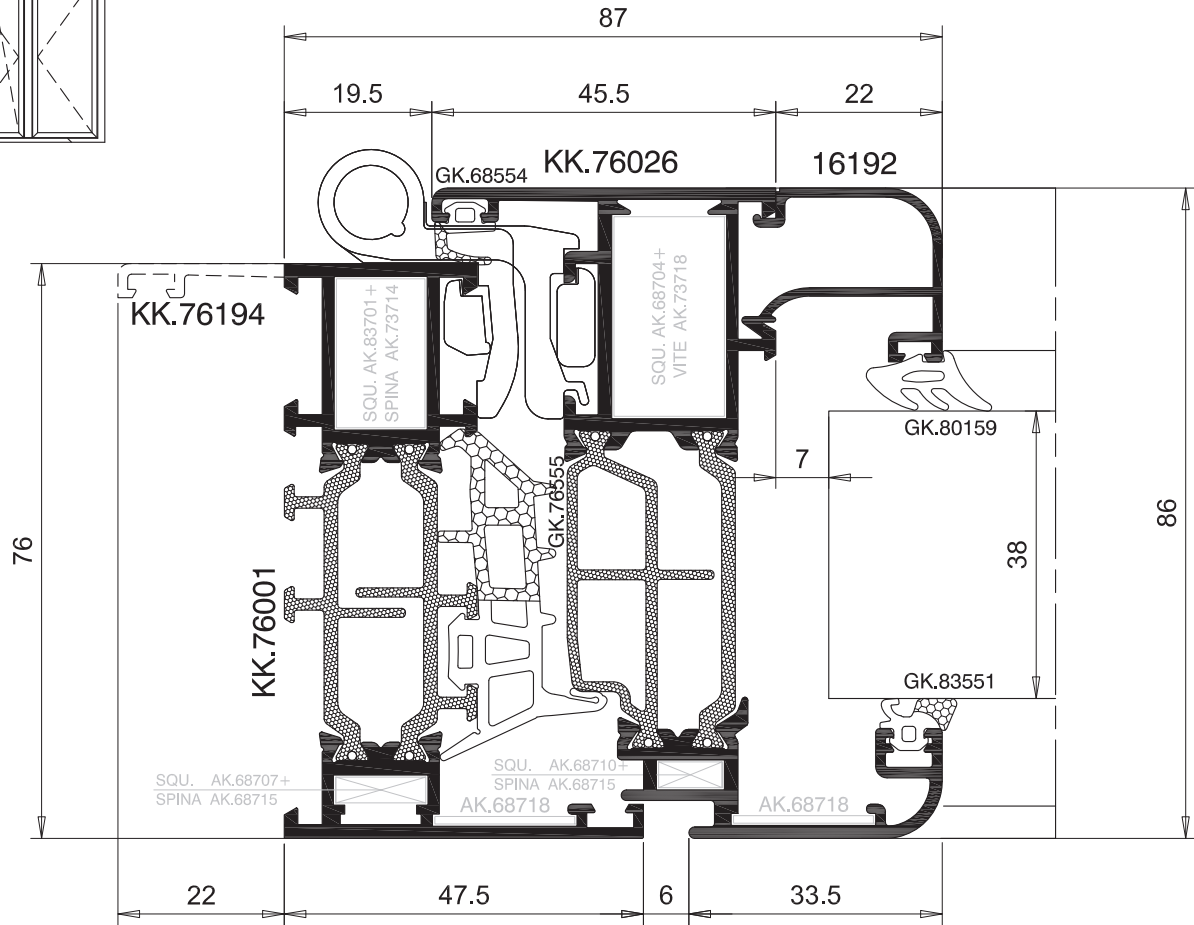
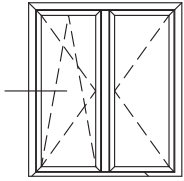
KK.13650		DOGA 110x35,5 mm STAVE 110x35,5 mm		
PESO WEIGHT	PERIMETRO PERIMETER	SUP. VISTA SHOWN SURF.	J _x J _y	W _x W _y
Kg/m	mm	mm	cm ⁴	cm ³
1.651	-	220	-	-



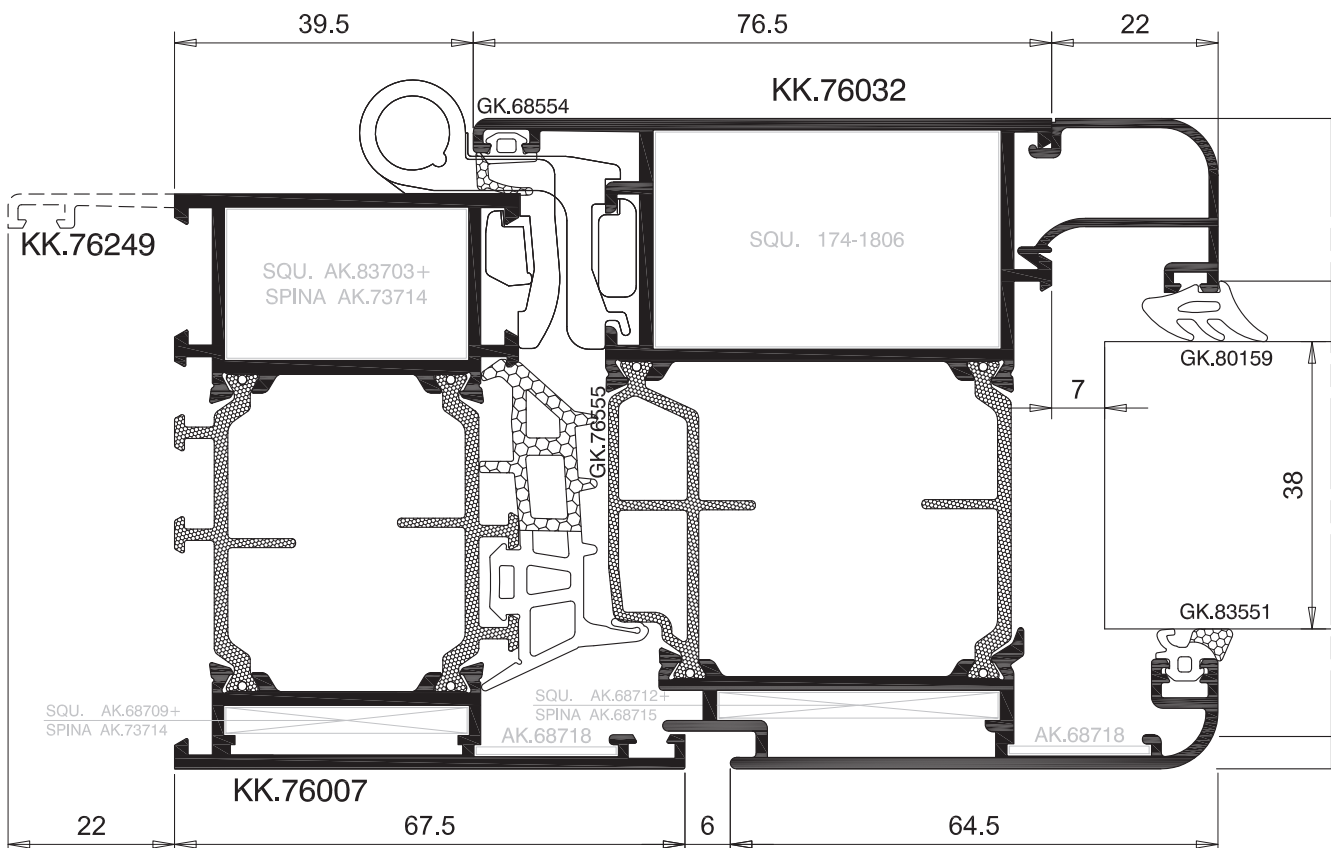
Sezioni scala 1:1,
Vetrazioni

Sections 1:1,
Glazing

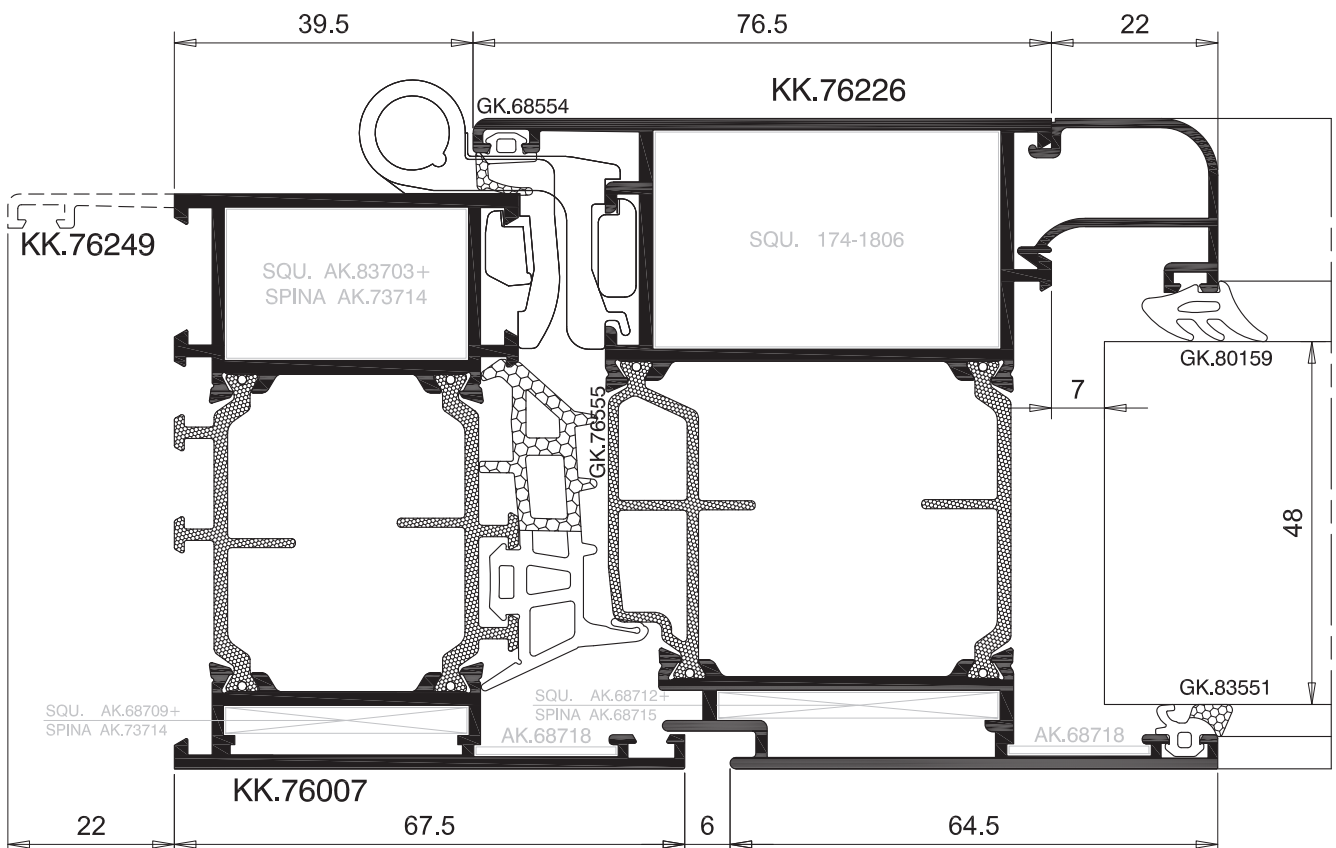
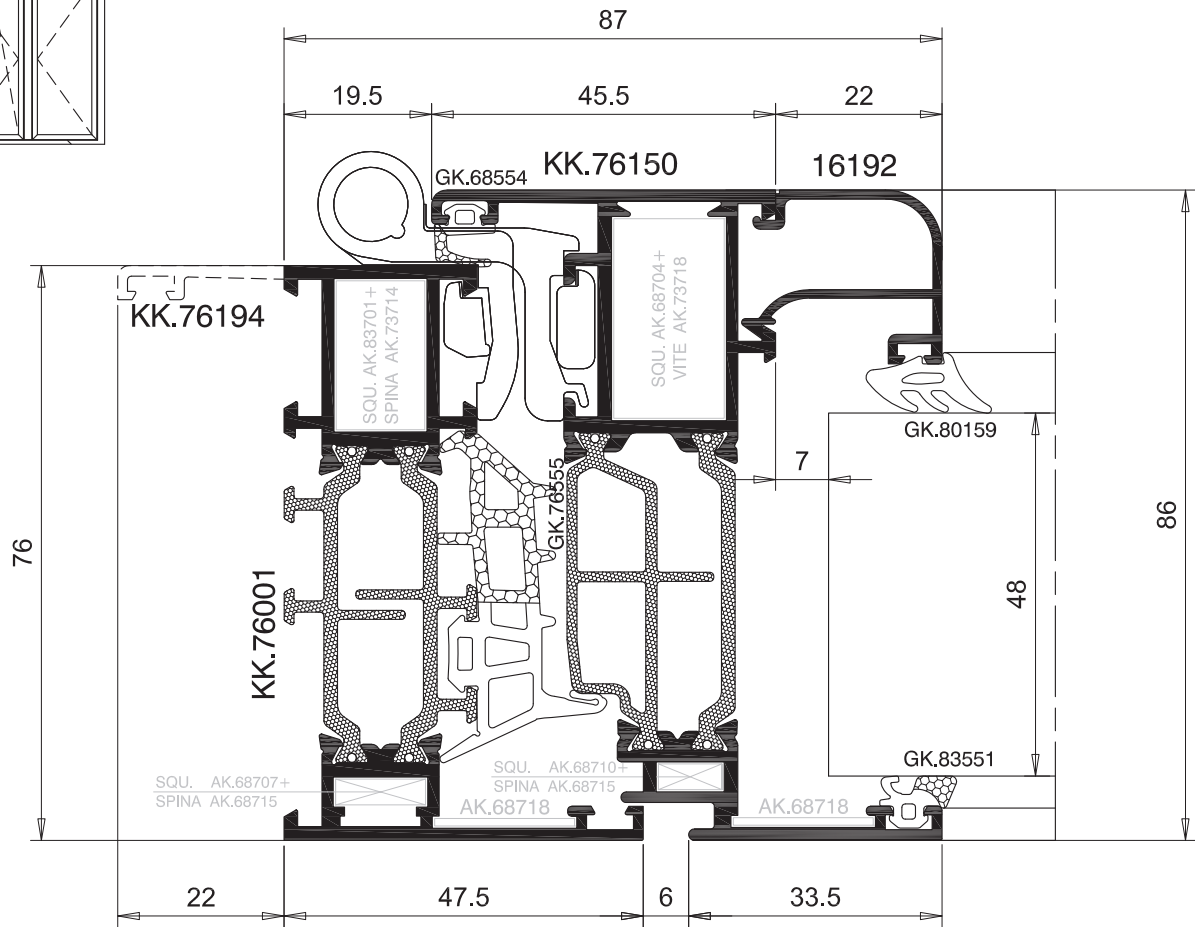
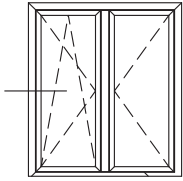
Prospetto esterno



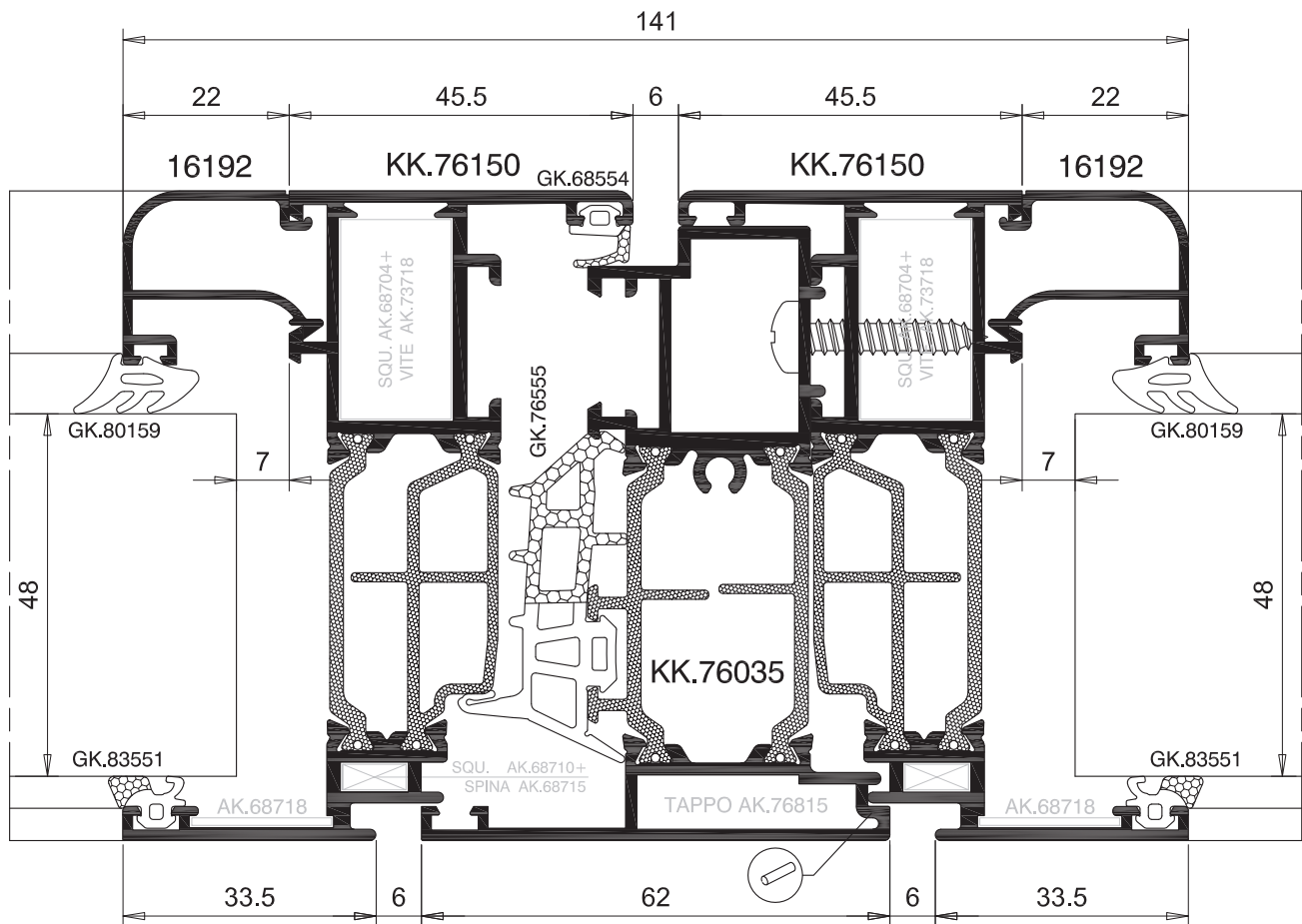
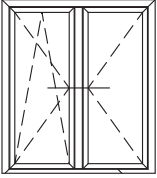
SEZIONI SCALA 1:1
VETRAZIONI



Prospetto esterno

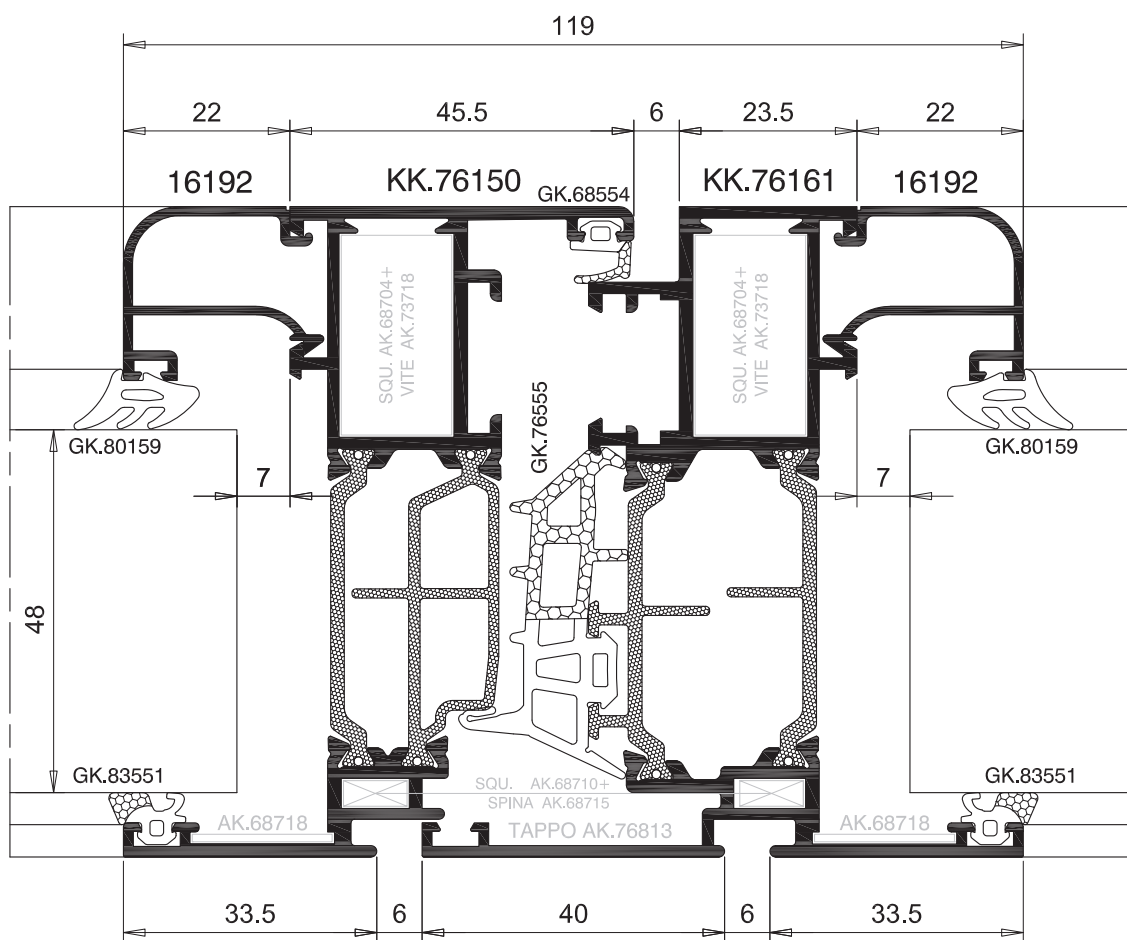
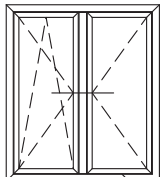


Prospetto esterno

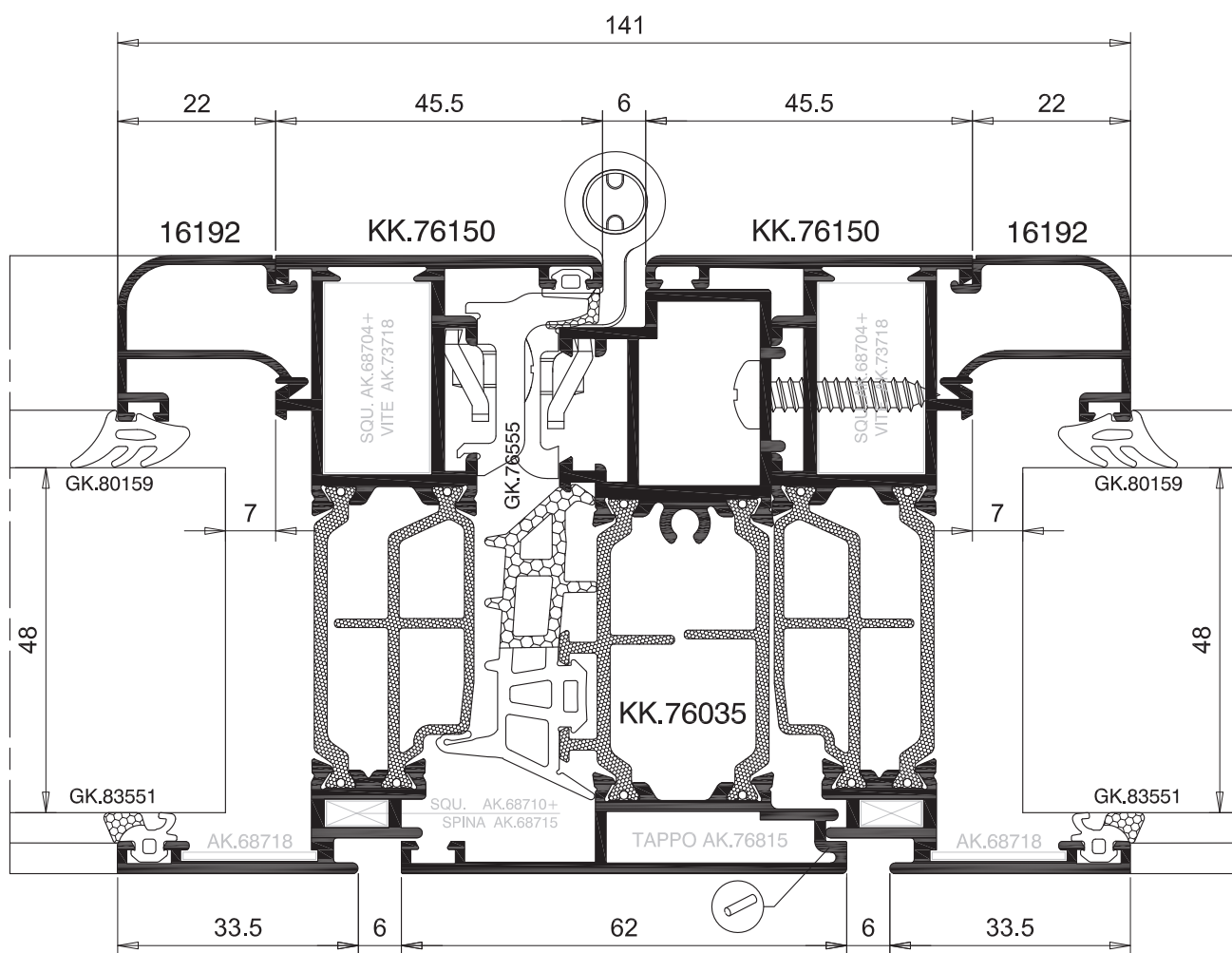
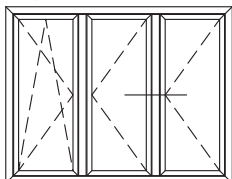


SEZIONI SCALA 1:1
VETRAZIONI

Prospetto esterno

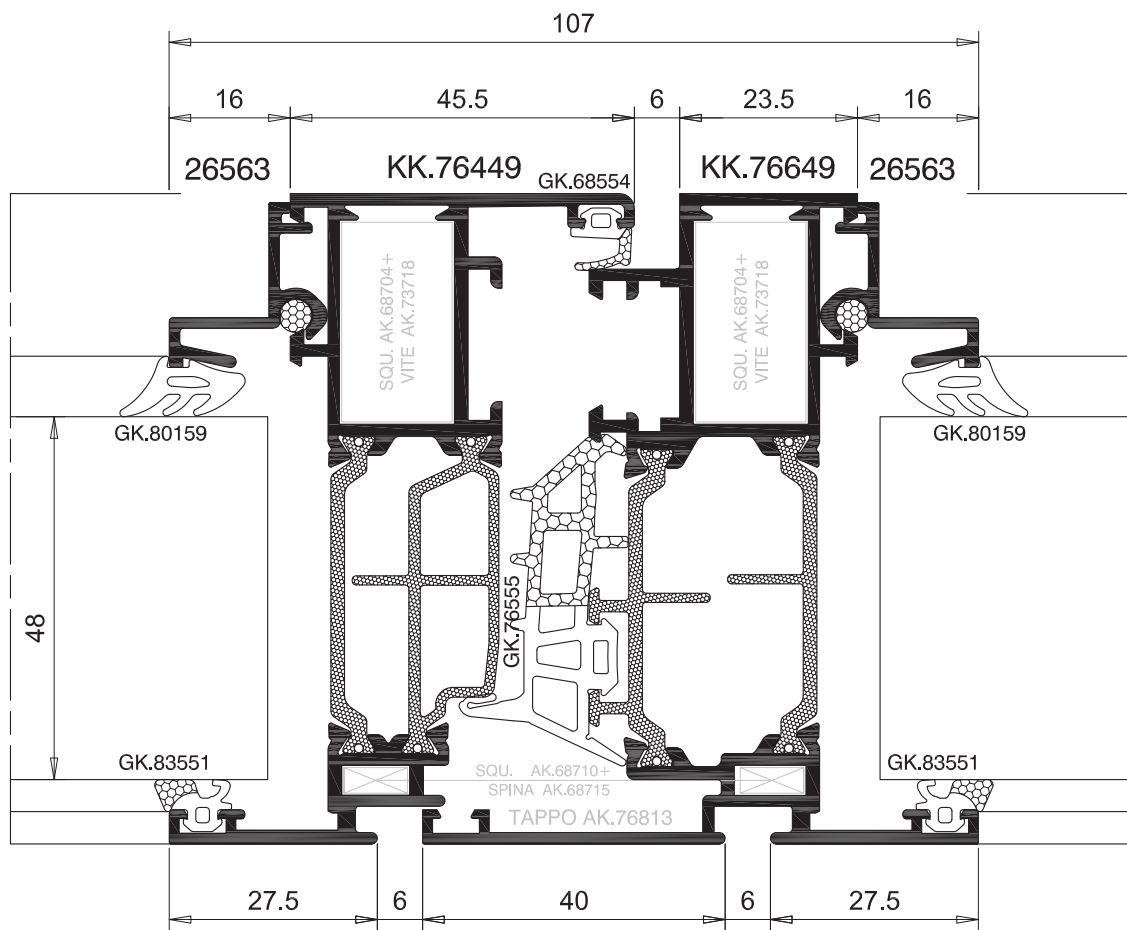
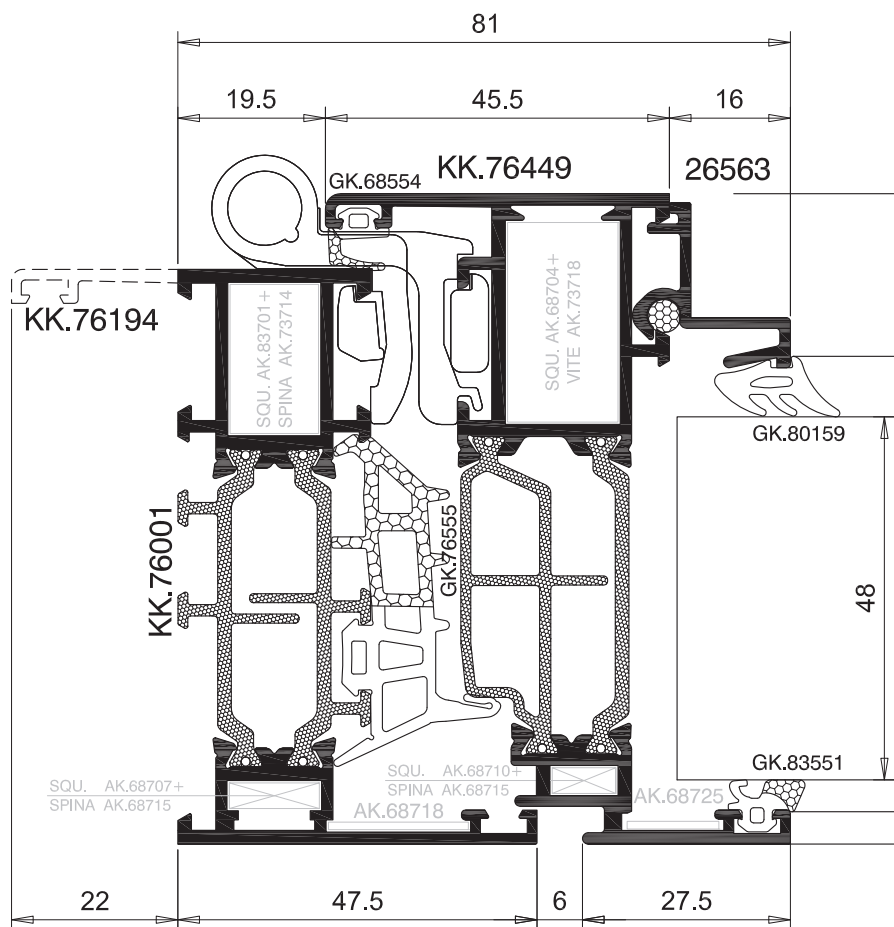
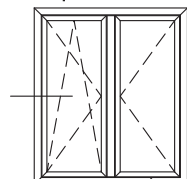


Prospetto esterno

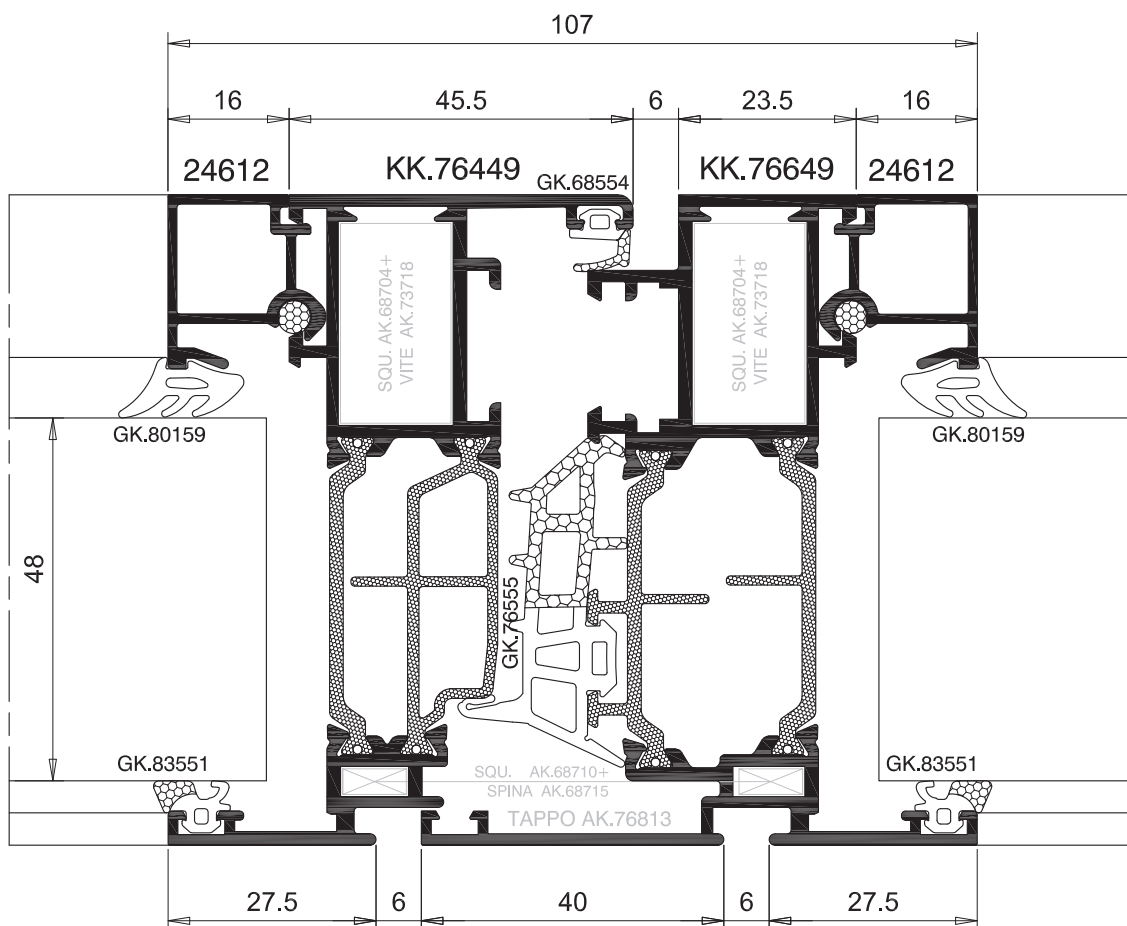
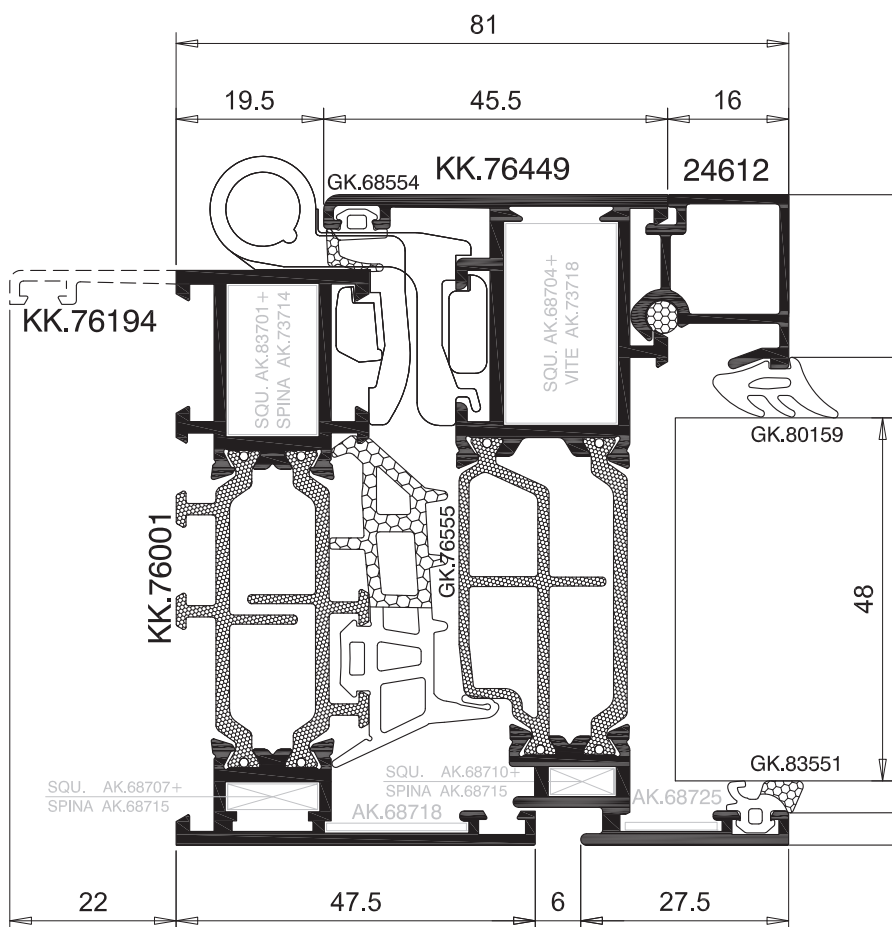
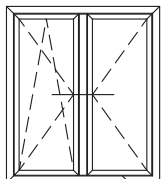


SEZIONI SCALA 1:1
VETRAZIONI

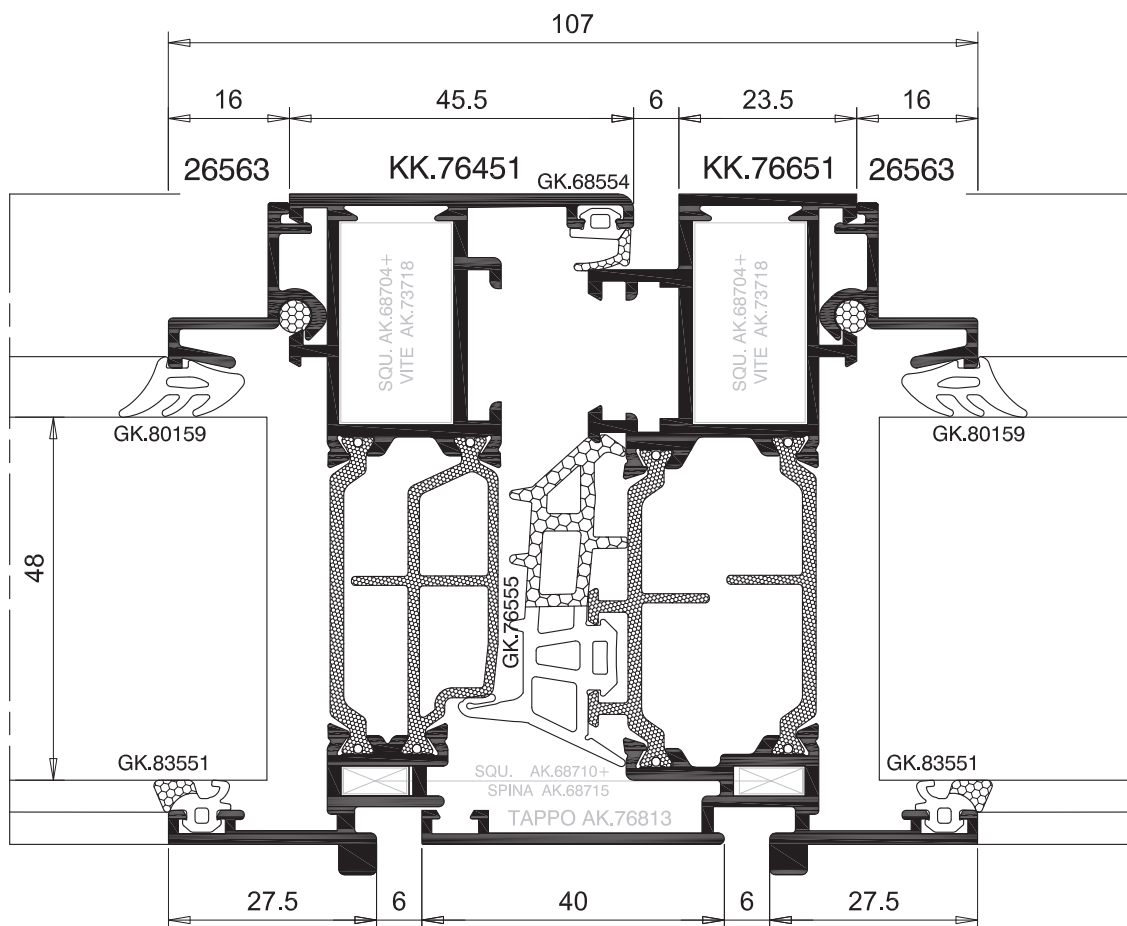
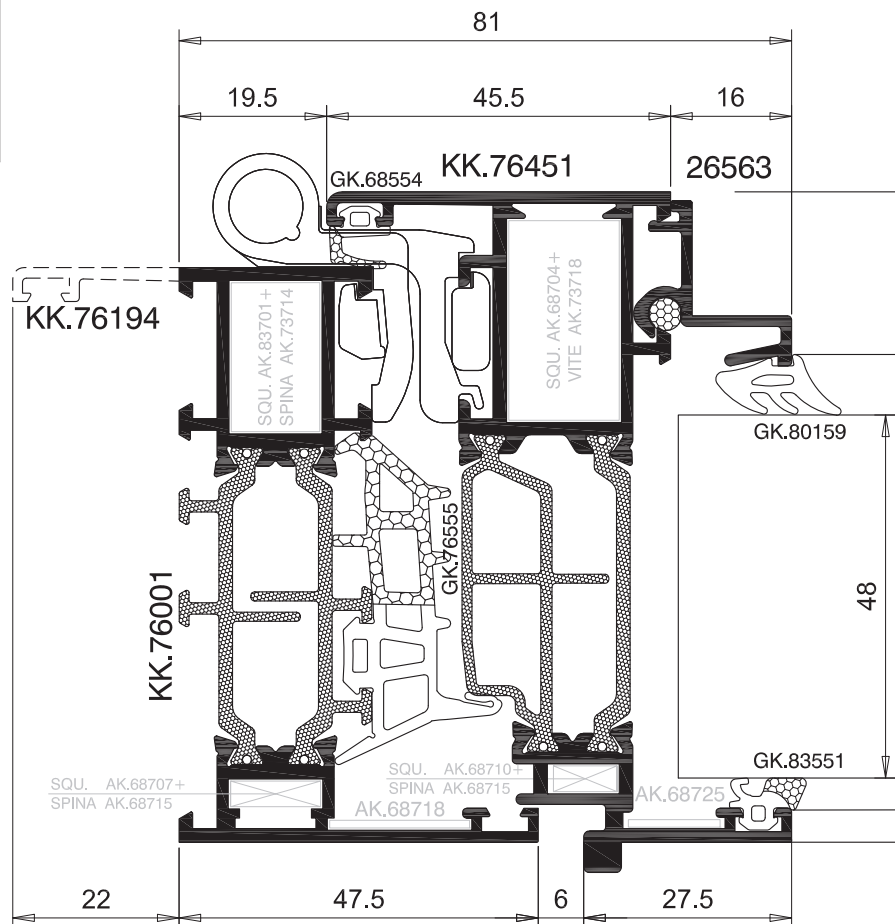
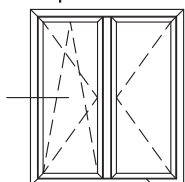
Prospetto esterno



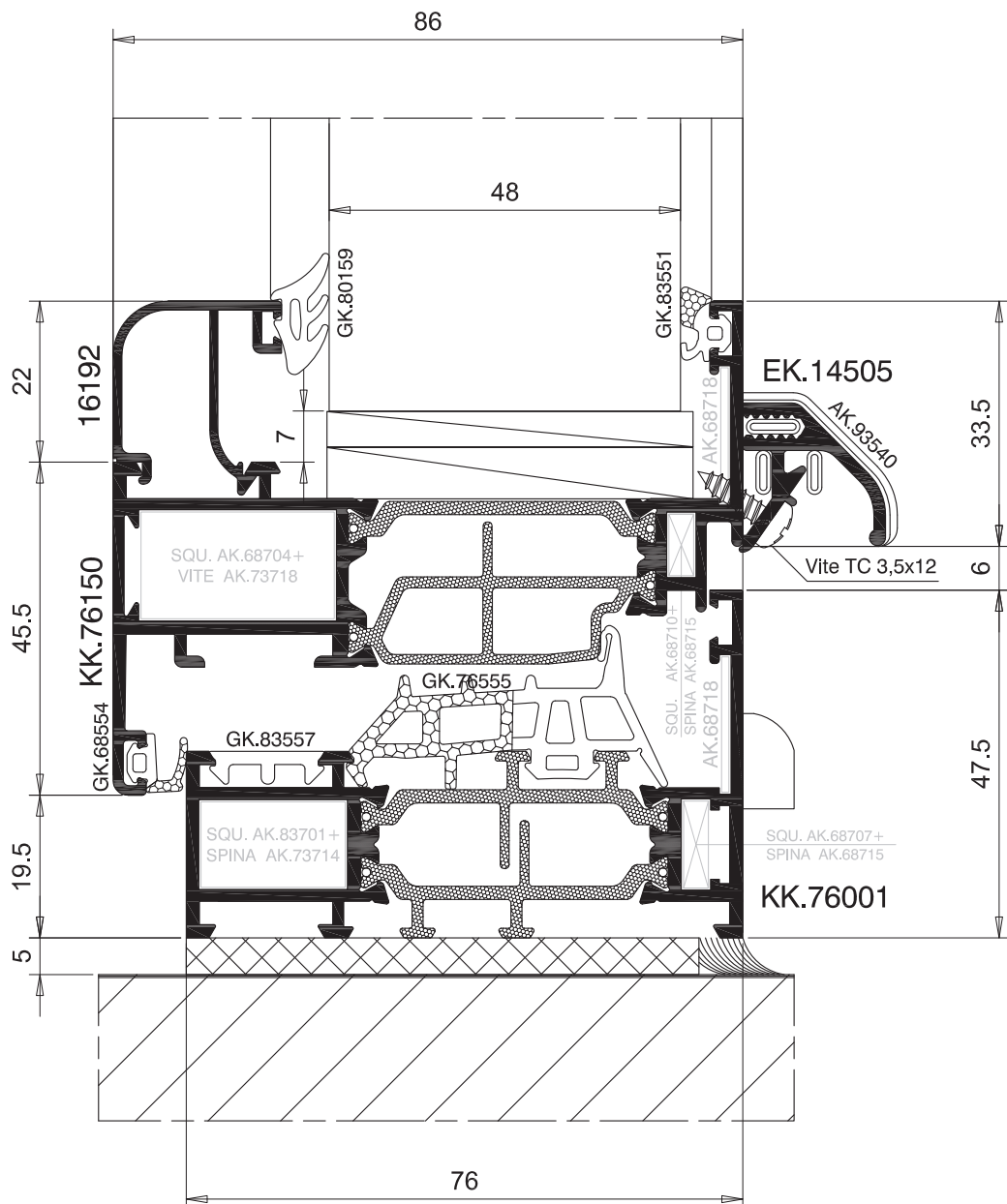
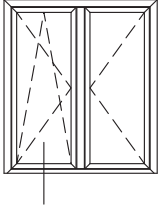
Prospetto esterno



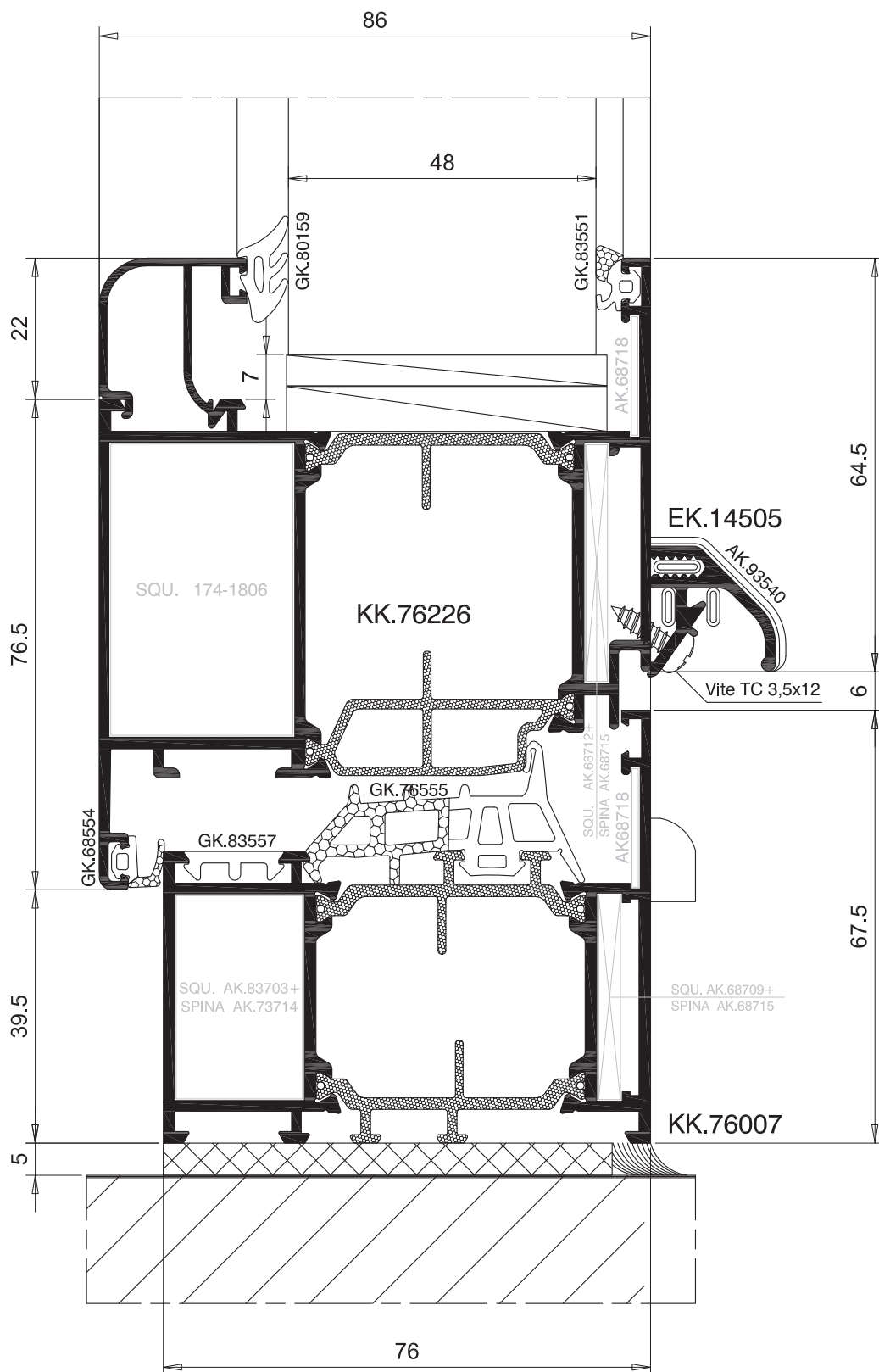
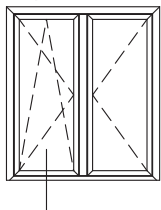
Prospetto esterno



Prospetto esterno

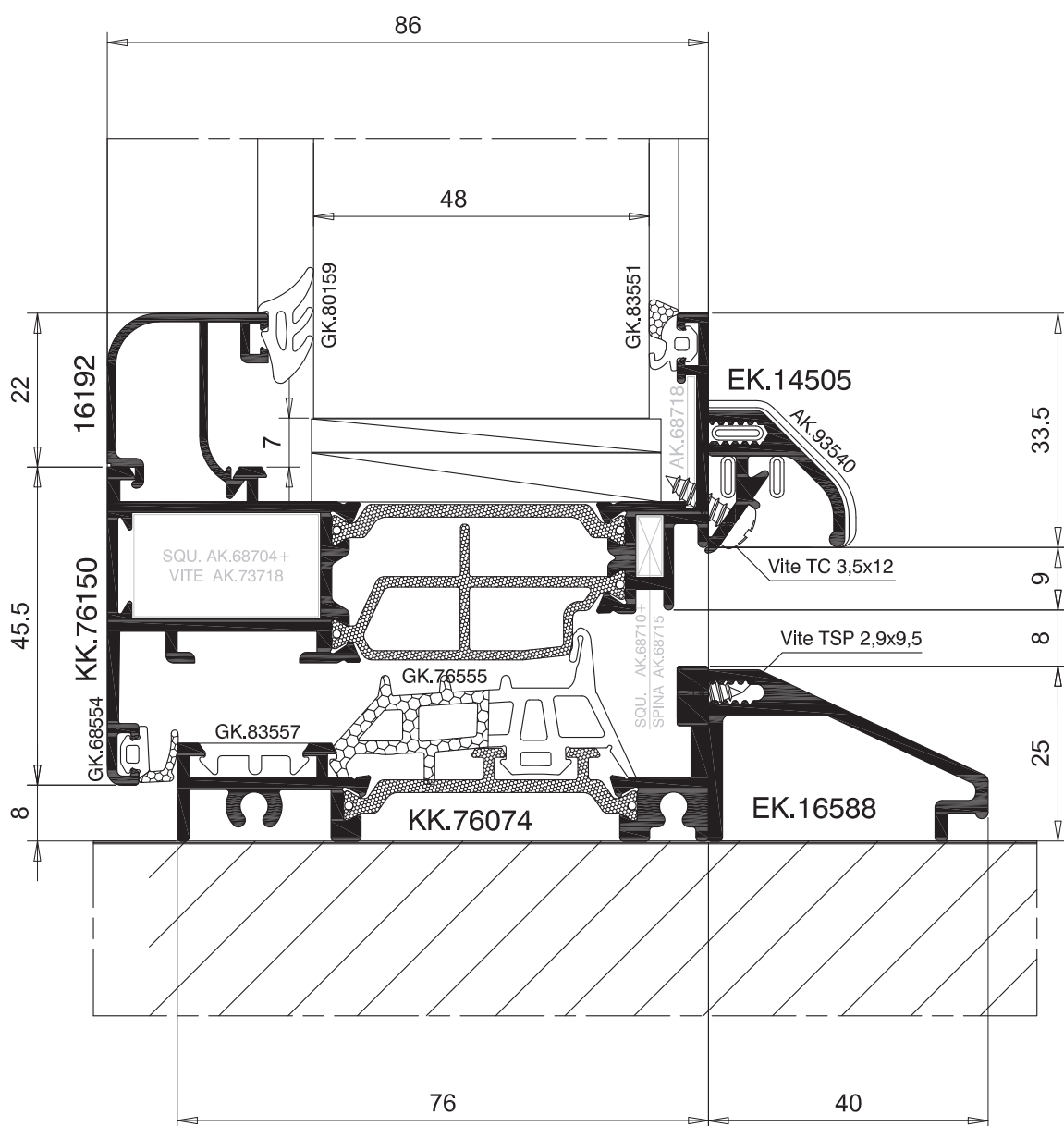
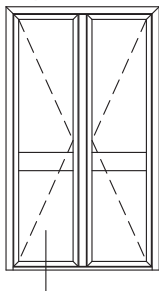


Prospetto esterno



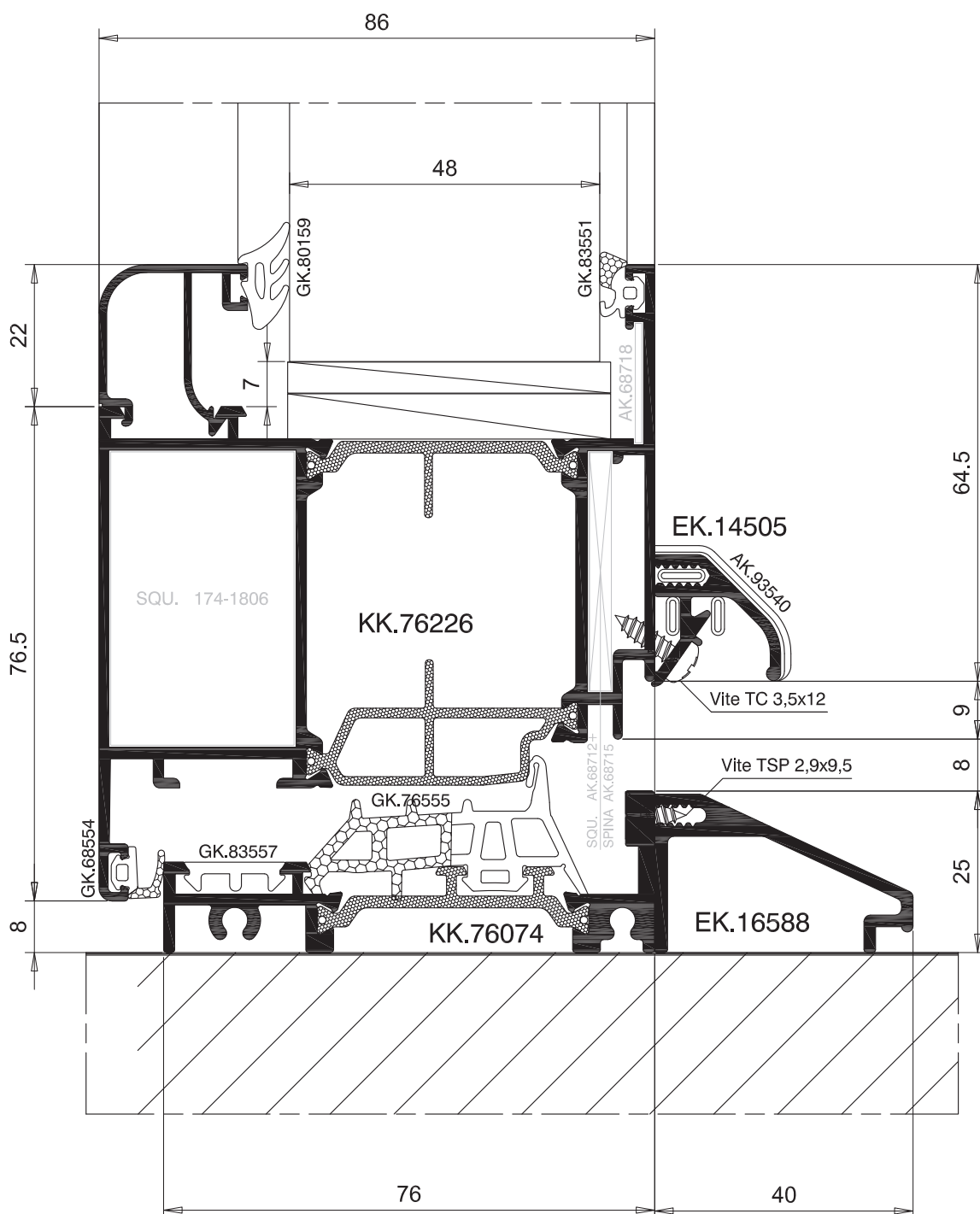
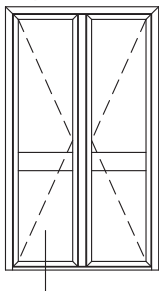
SEZIONI SCALA 1:1
VETRAZIONI

Prospetto esterno

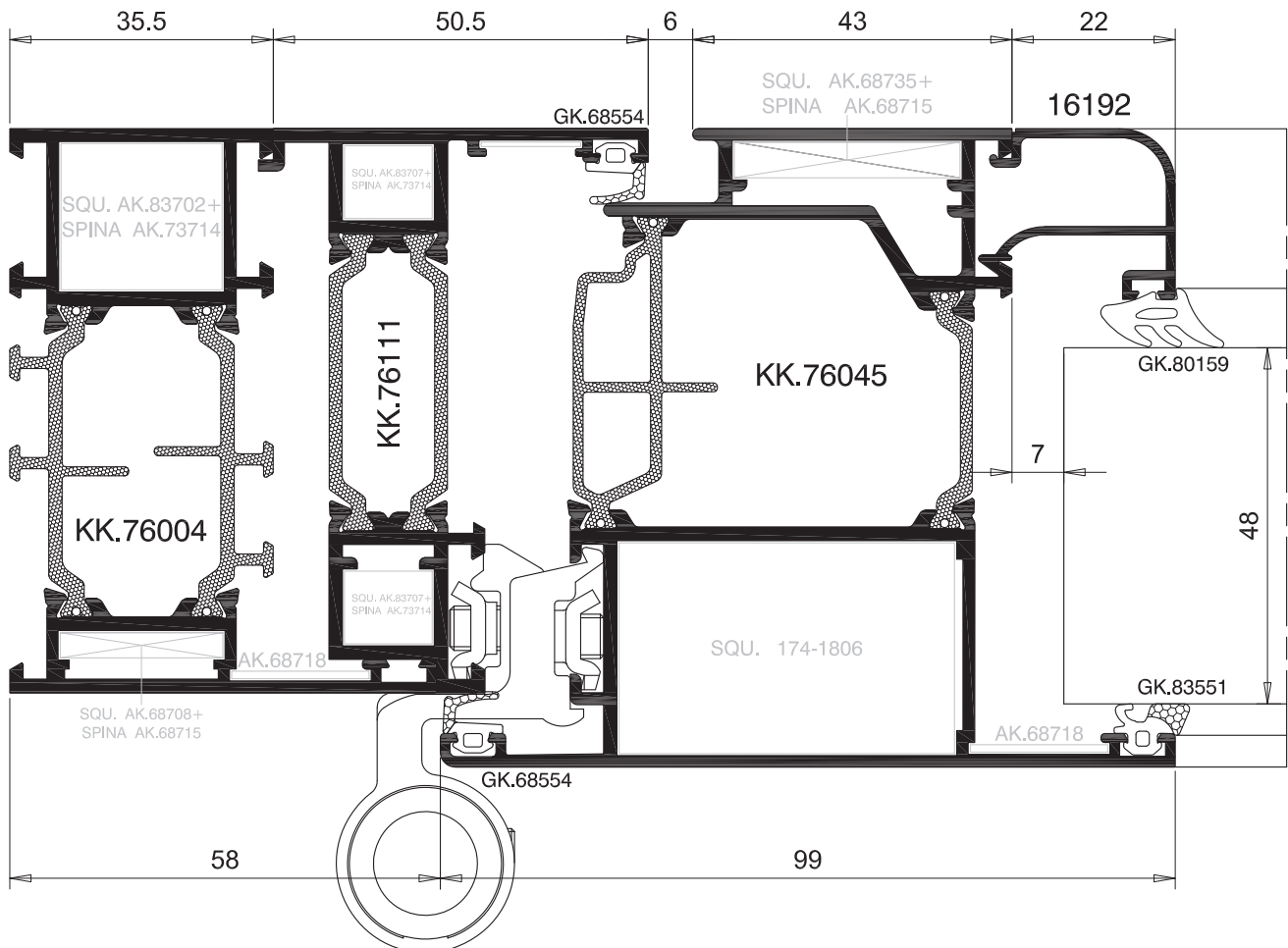
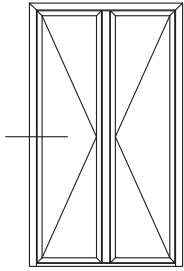


SEZIONI SCALA 1:1
VETRAZIONI

Prospetto esterno

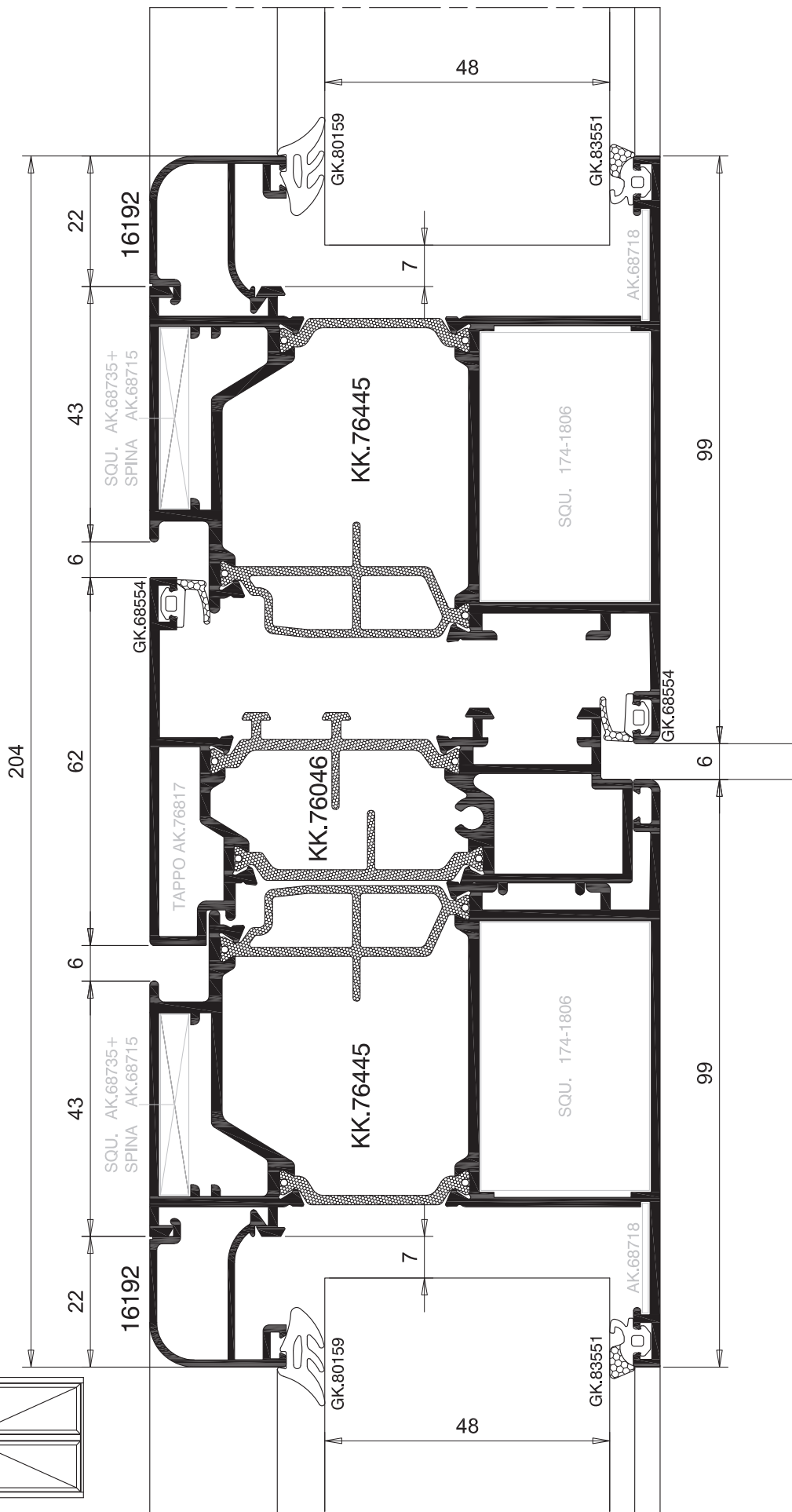
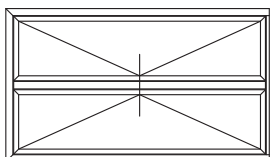


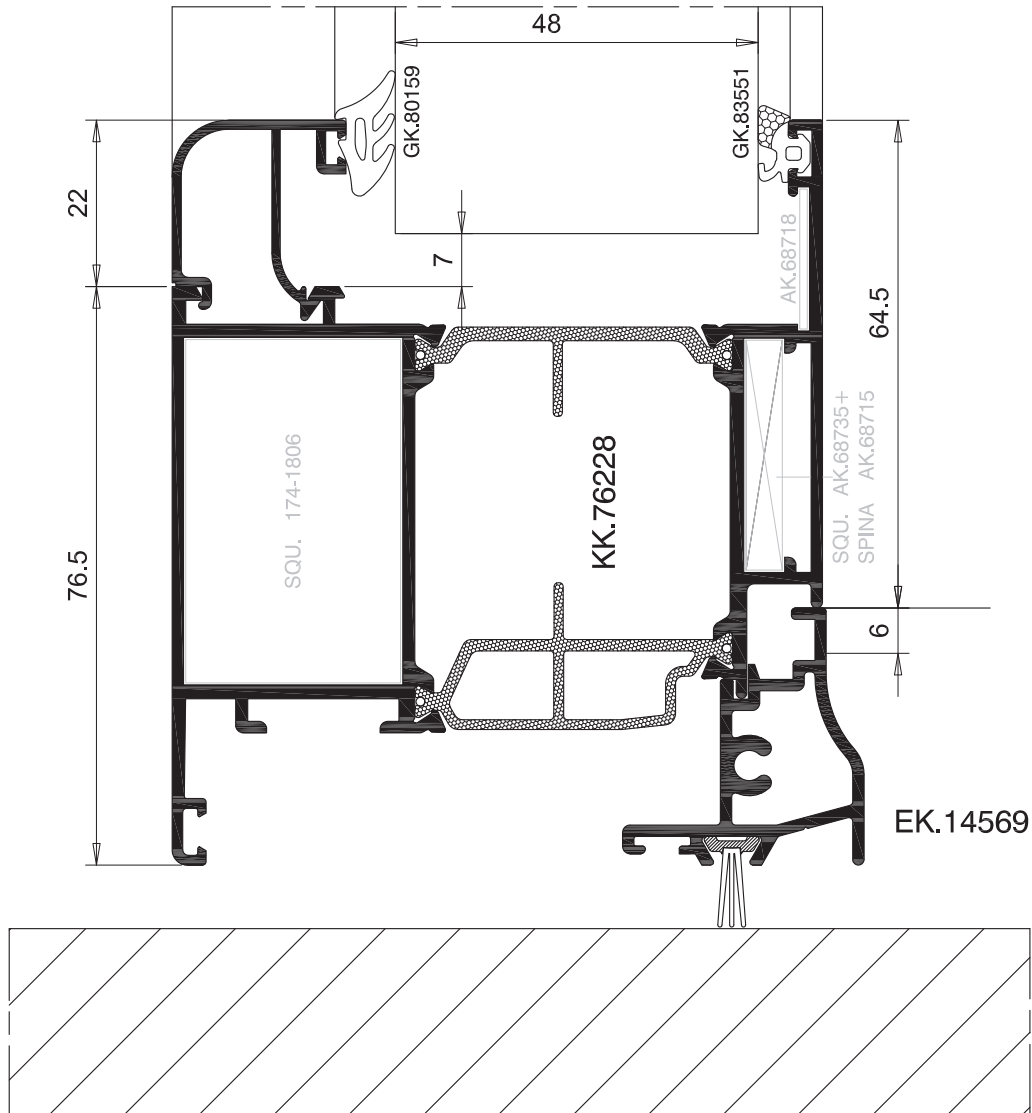
Prospetto esterno



DATA	SCHEDA
Gennaio 2023	4.13

Prospetto esterno





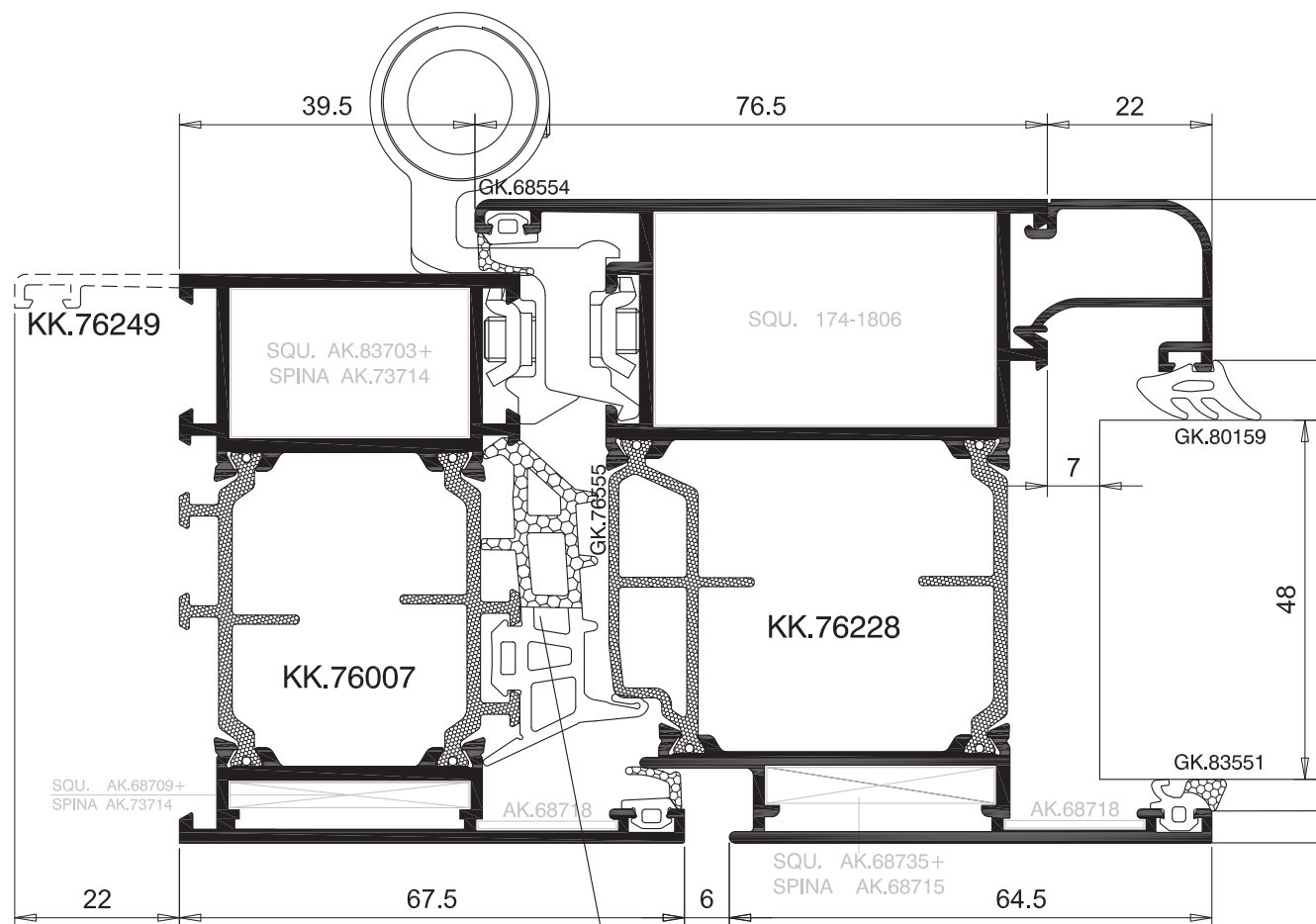
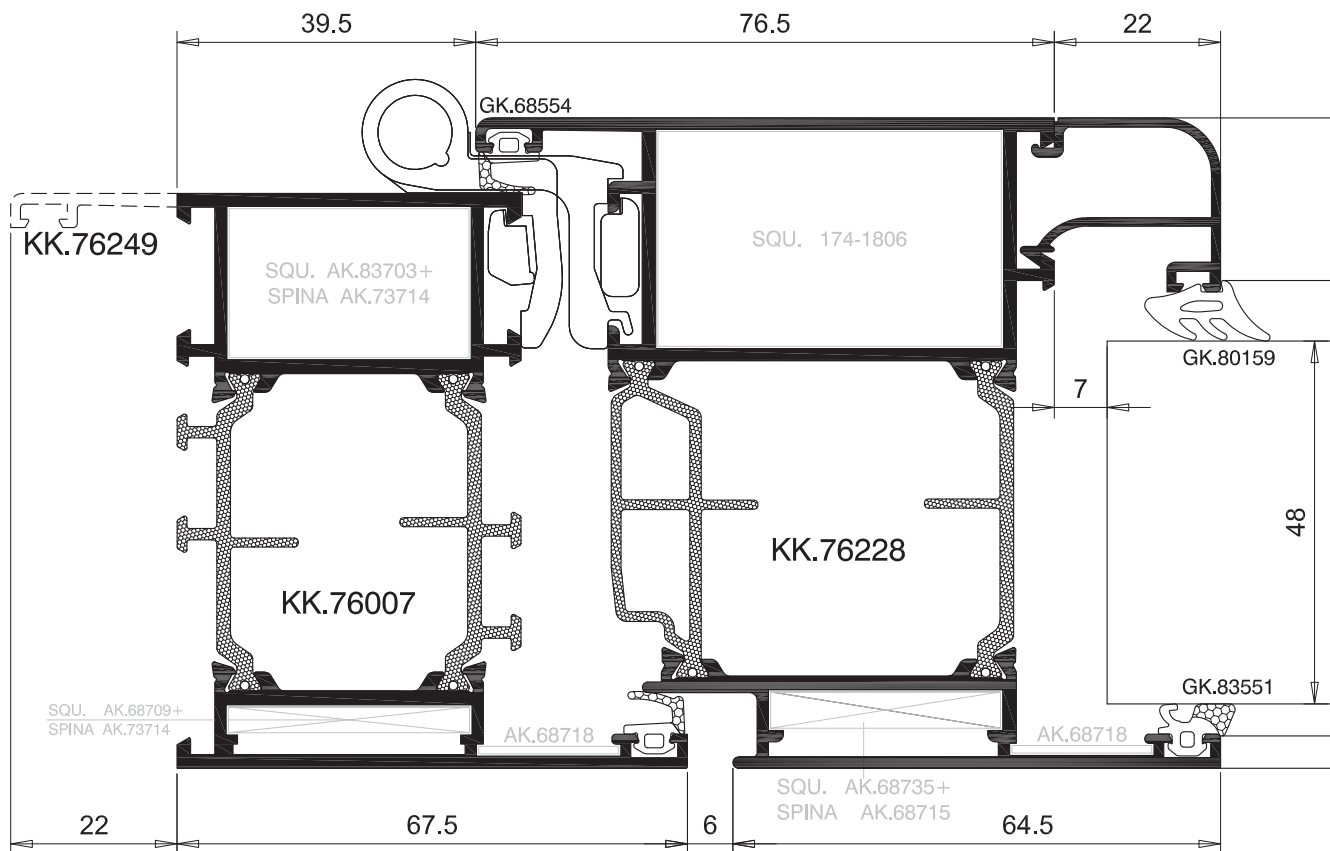
SEZIONI SCALA 1:1
VETRAZIONI



Sistemi

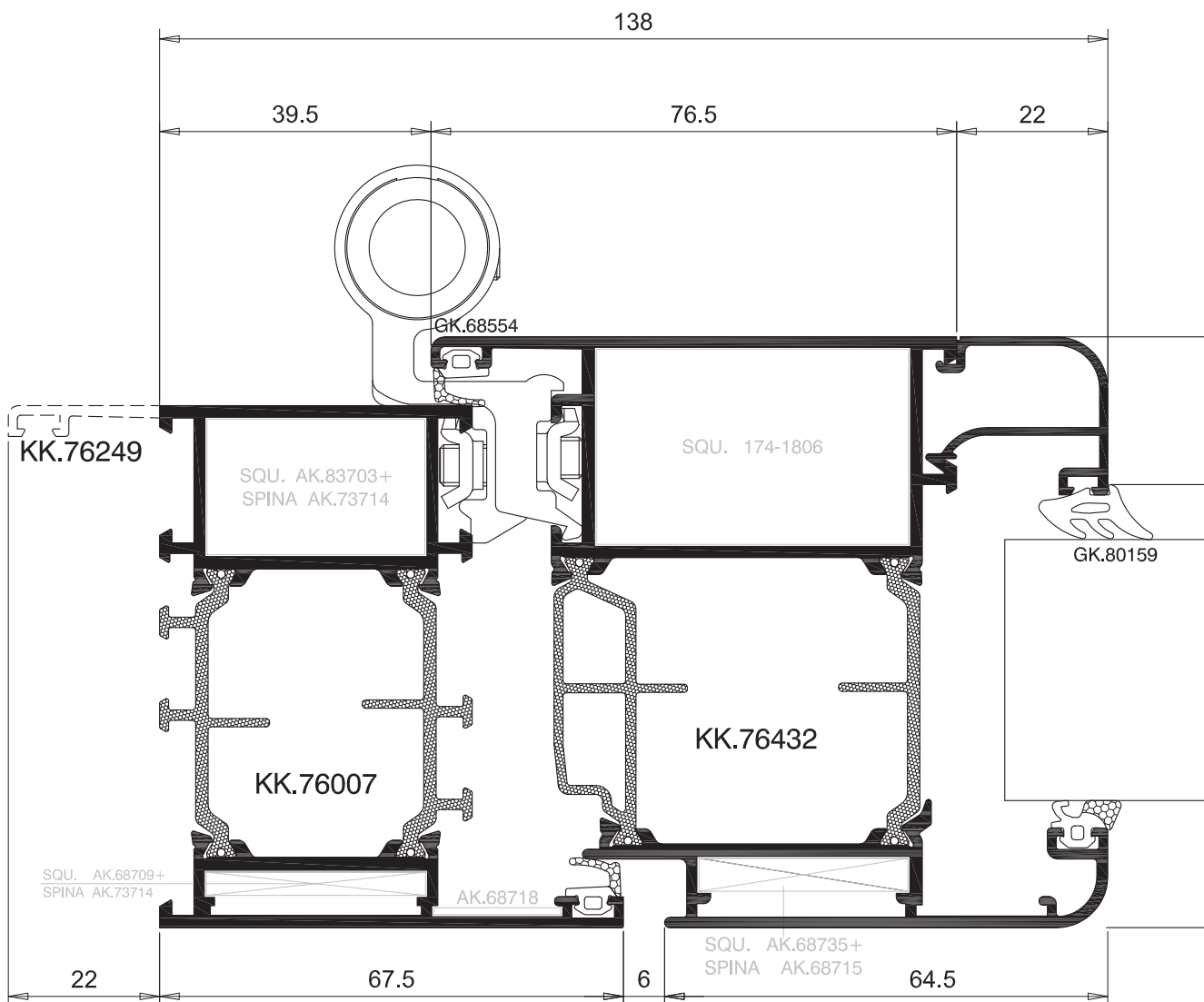
TW76

DATA	SCHEDA
Gennaio 2023	4.15

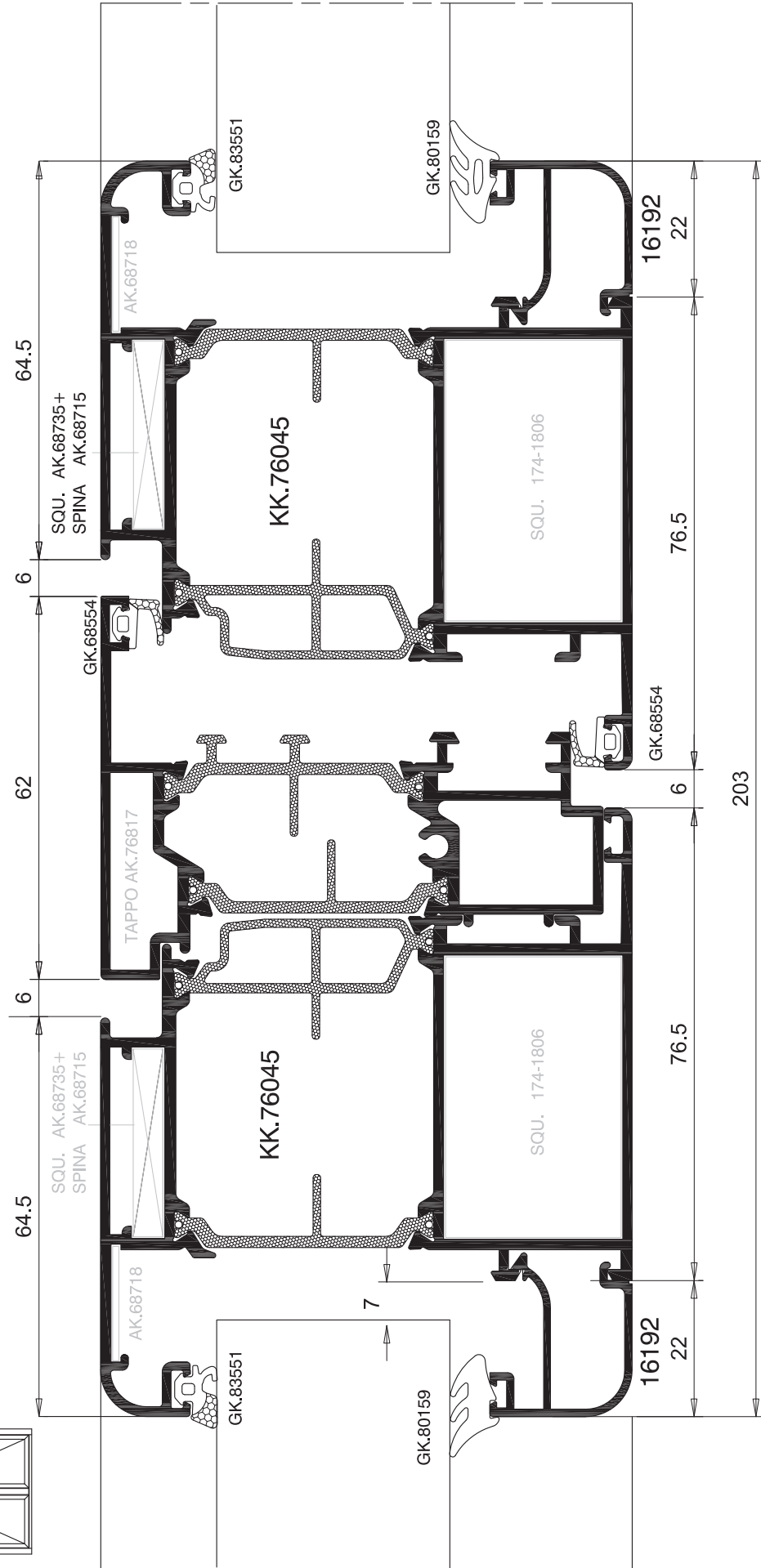
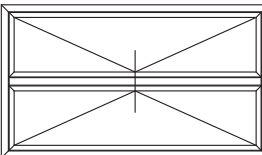


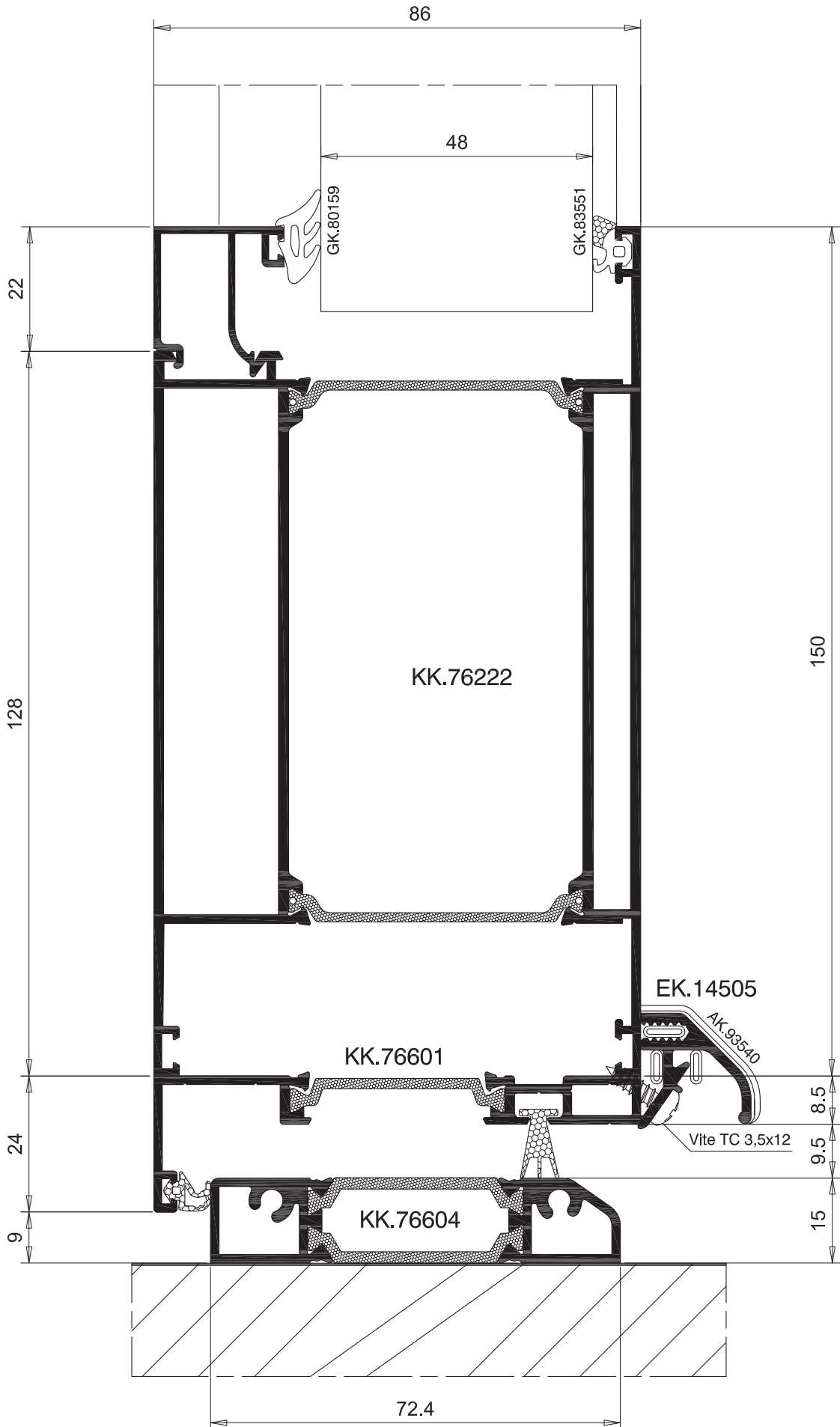
SEZIONI SCALA 1:1
VETRAZIONI

IL MONTAGGIO DELLA GUARNIZIONE DI GIUNTO APERTO E' OPZIONALE E RACCOMANDATO PER MIGLIORARE PRESTAZIONI TERMICHE E ACUSTICHE

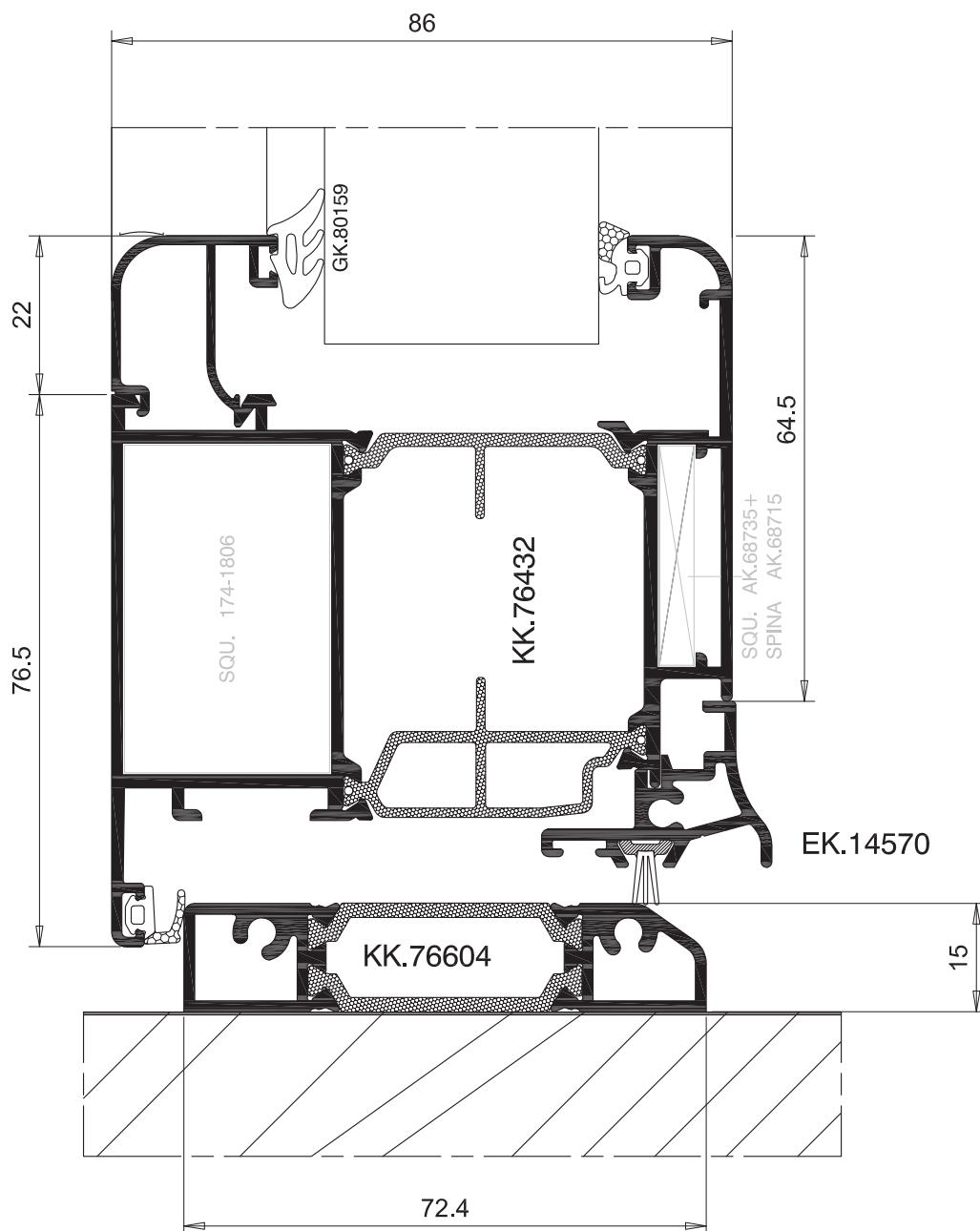


Prospetto esterno

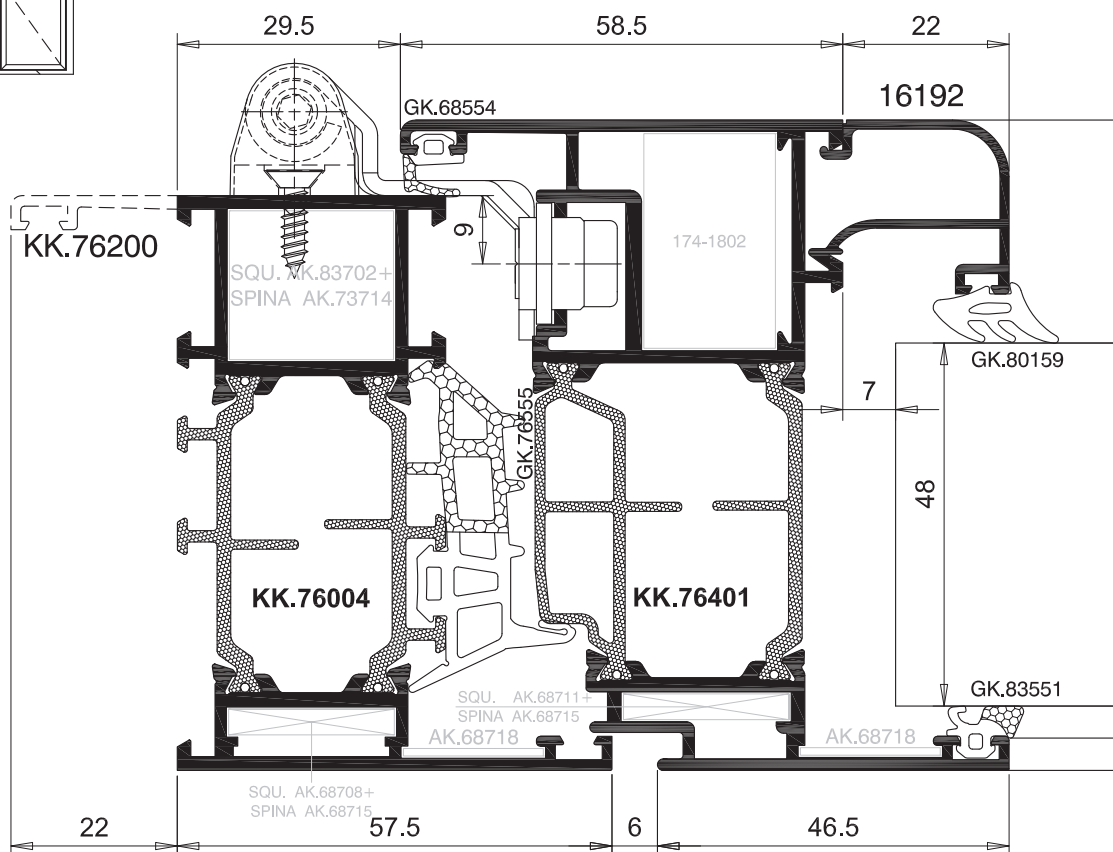
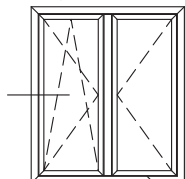




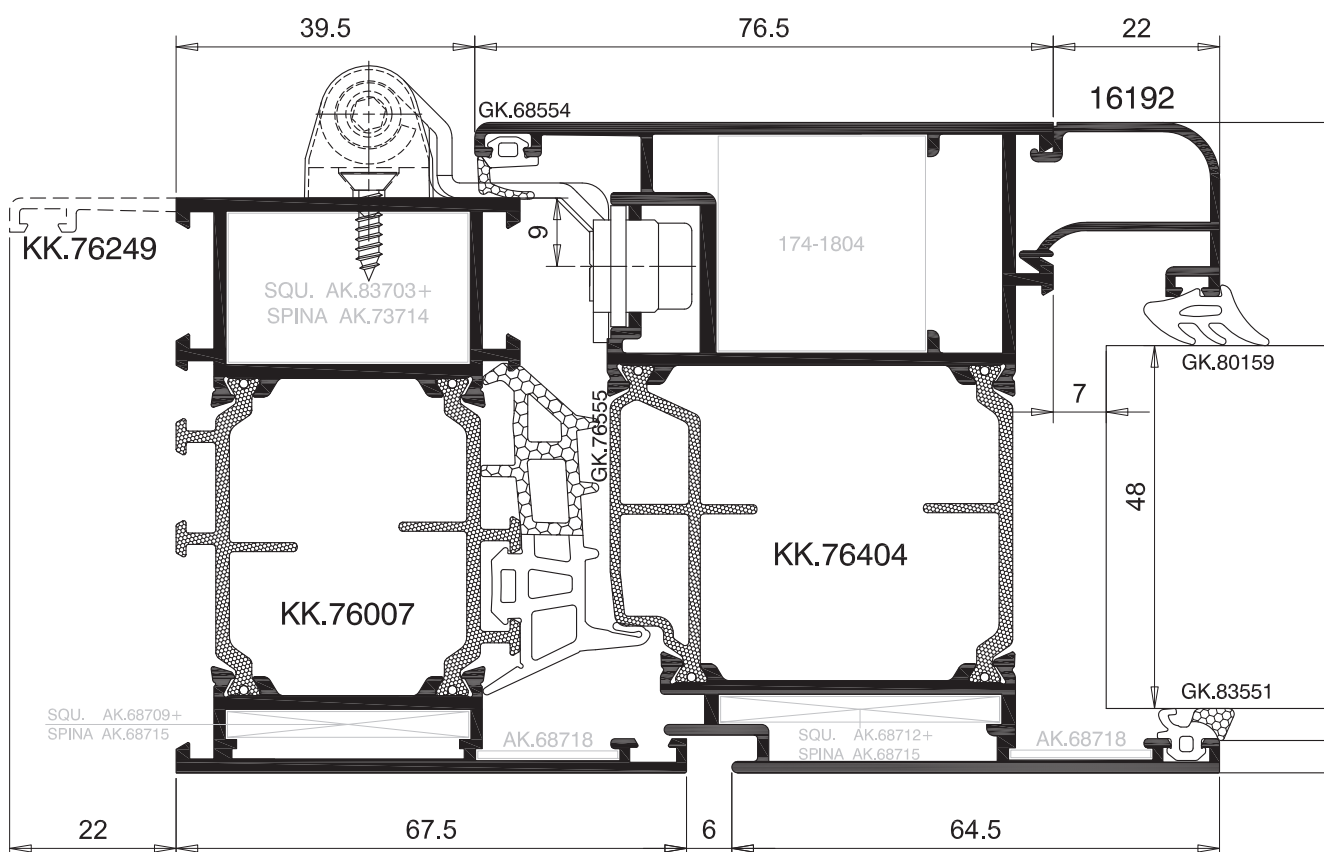
SEZIONI SCALA 1:1
VETRAZIONI



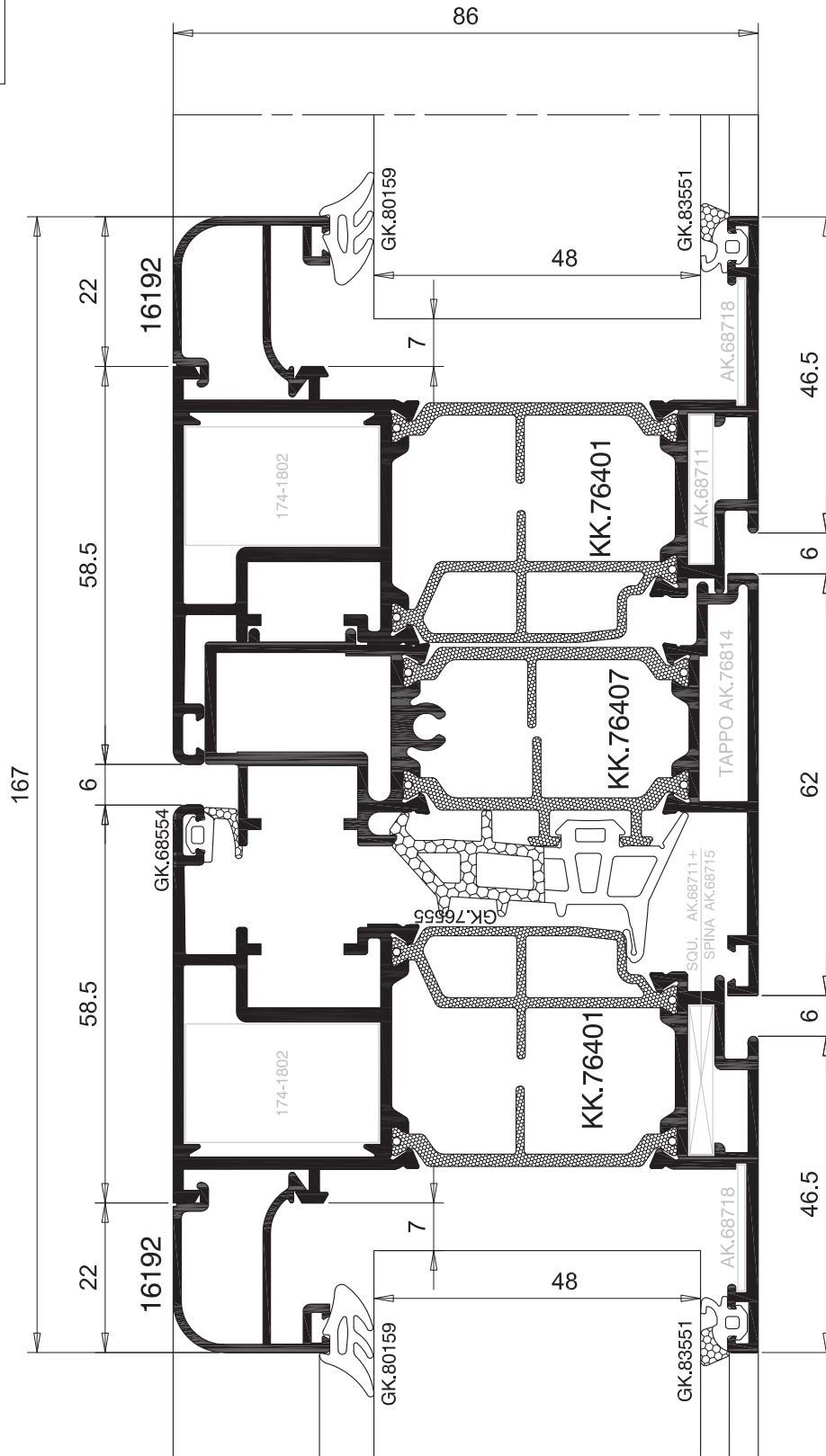
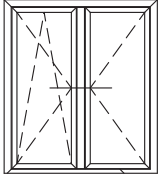
Prospetto esterno



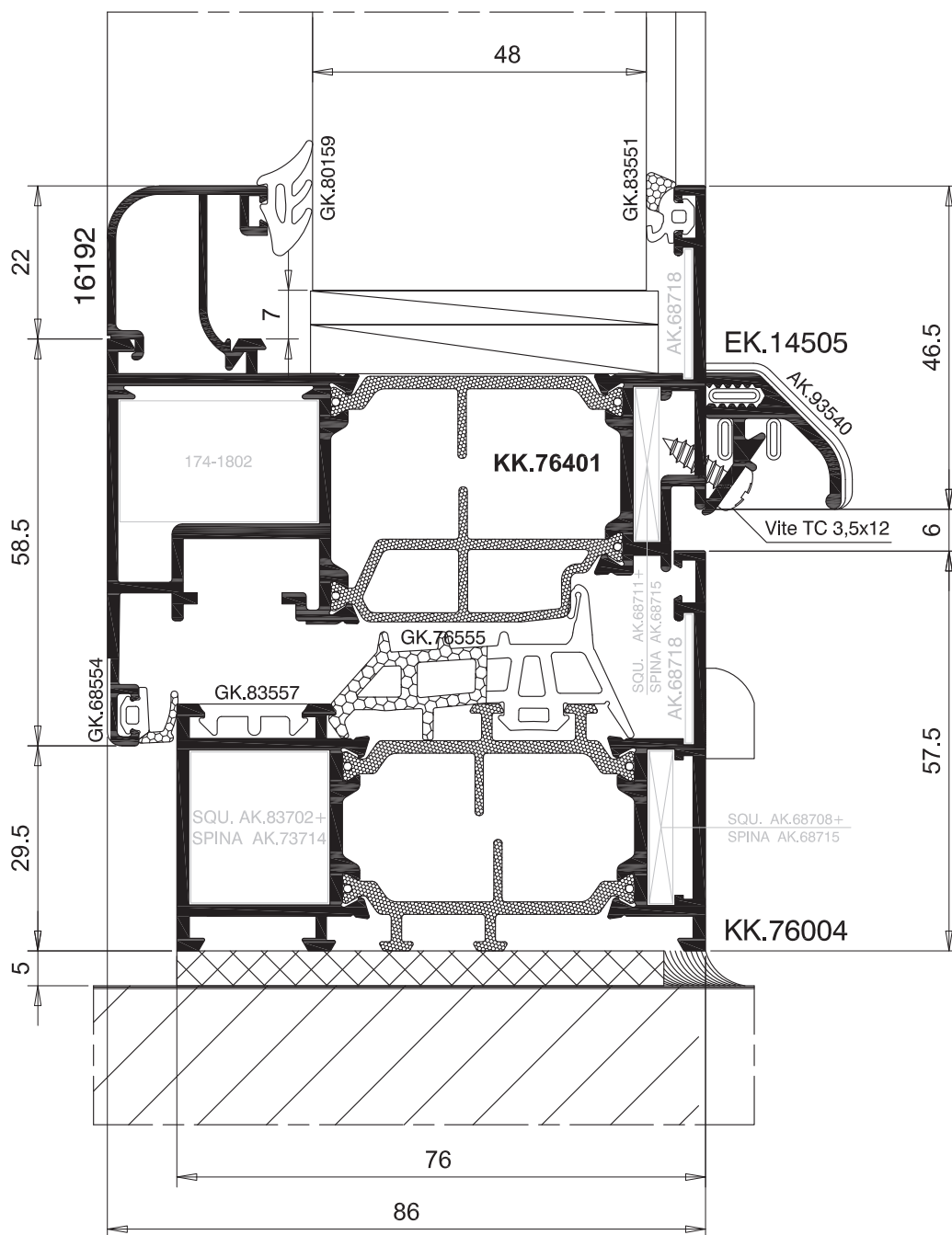
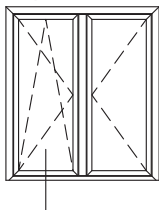
SEZIONI SCALA 1:1
VETRAZIONI



Prospetto esterno

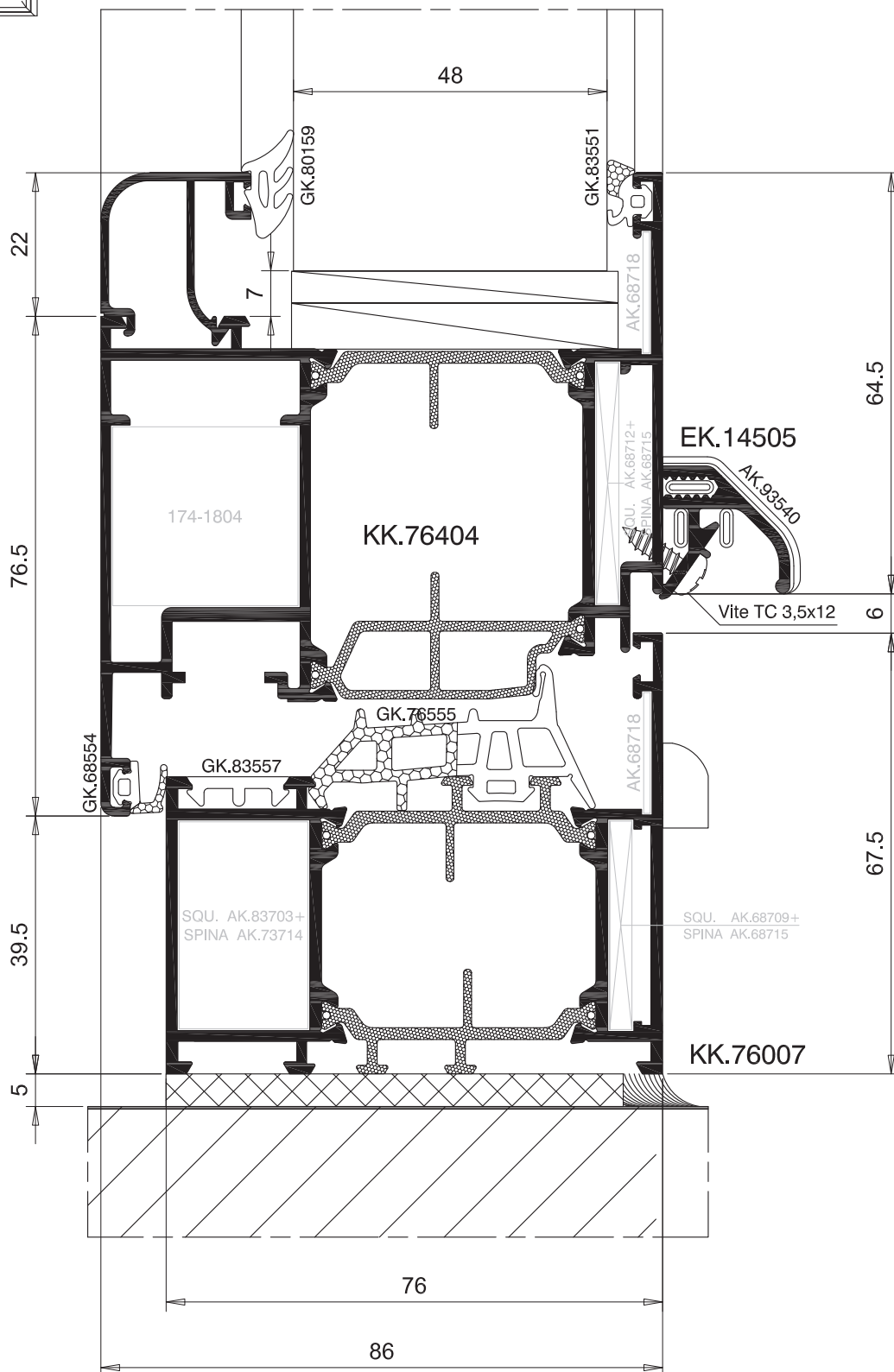
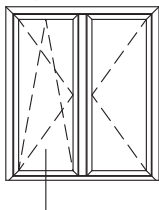


Prospetto esterno

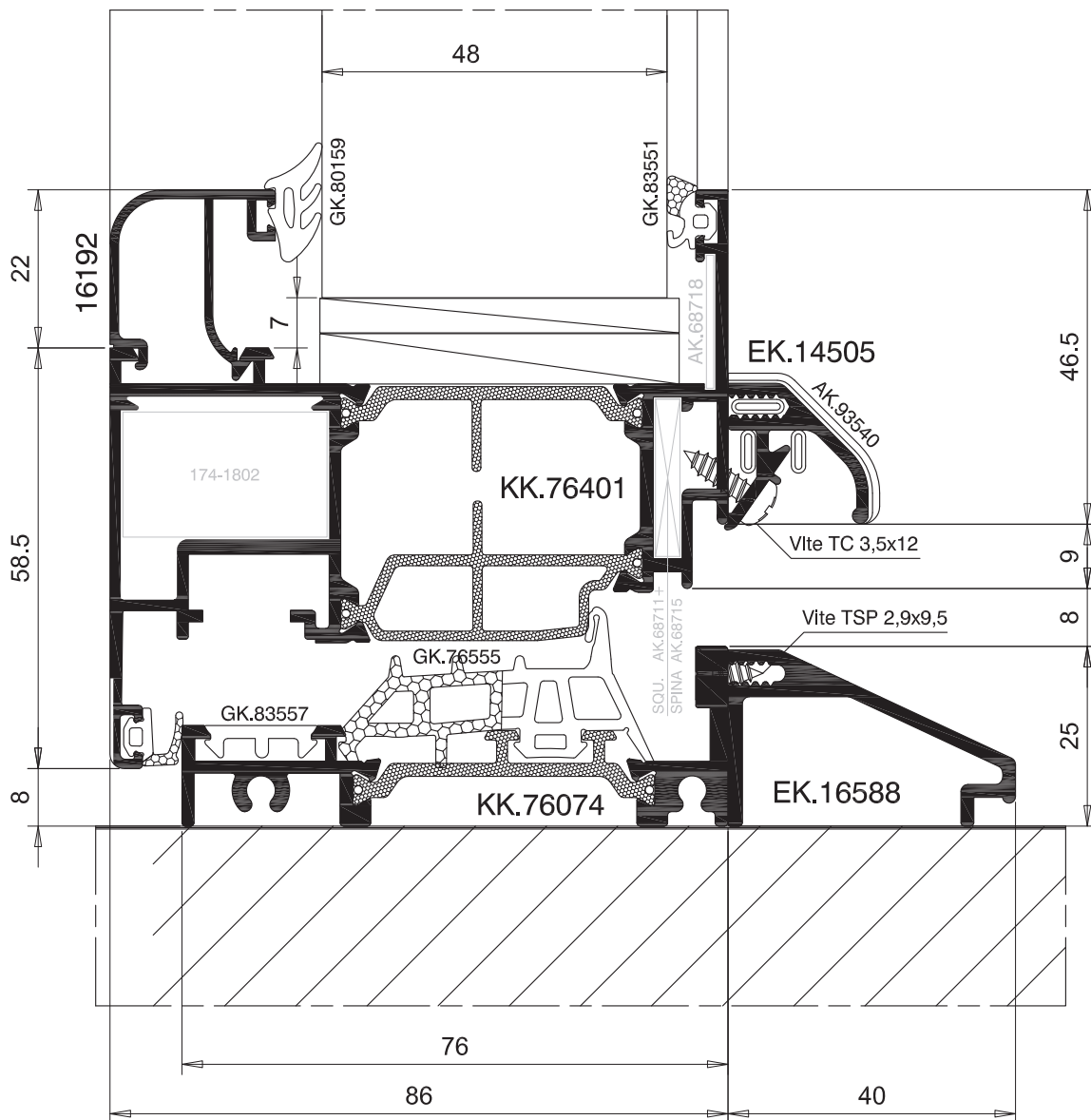
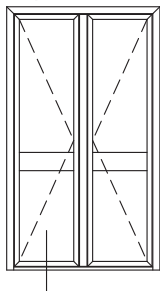


SEZIONI SCALA 1:1
VETRAZIONI

Prospetto esterno

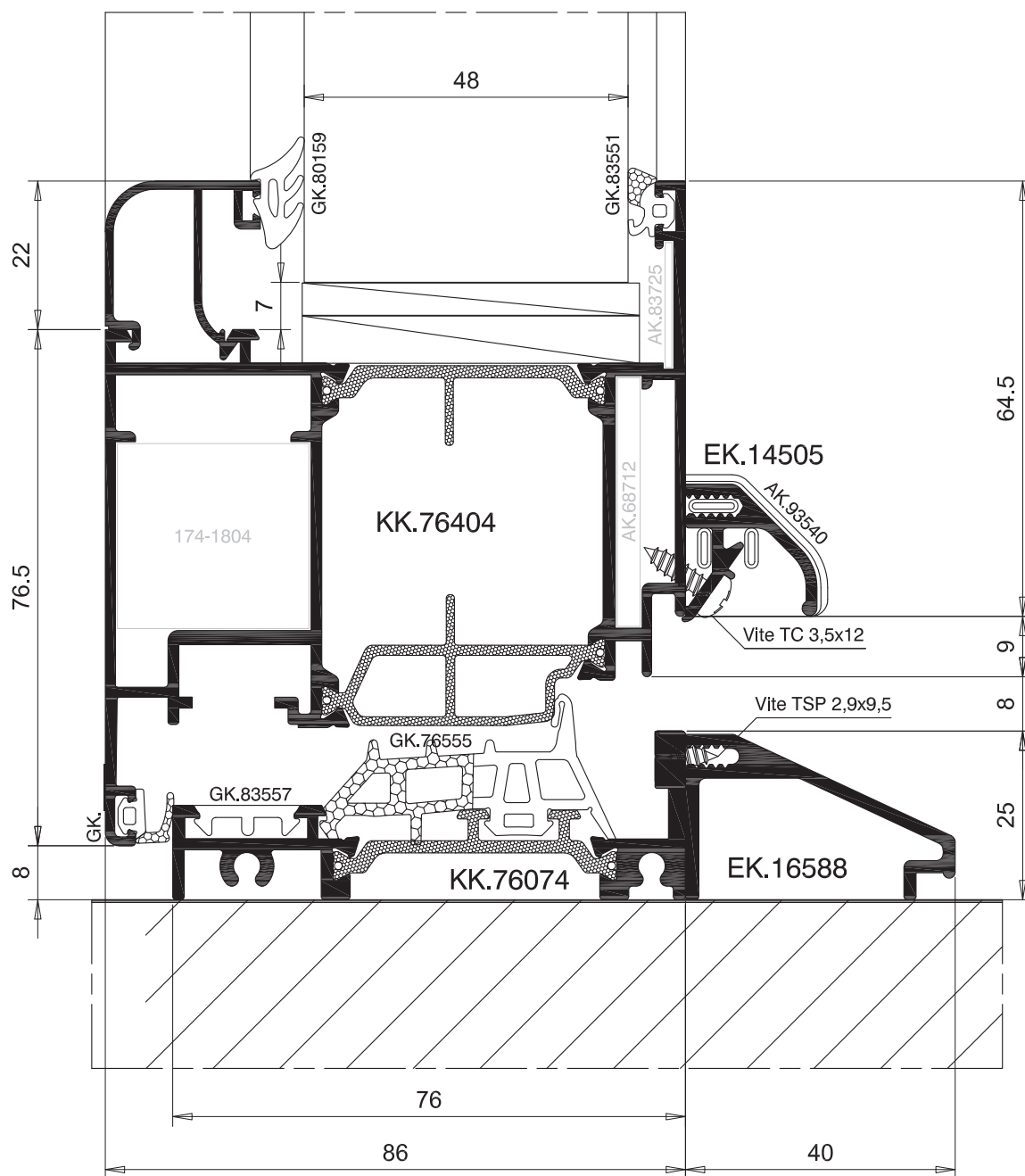
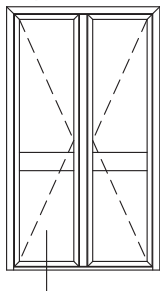


Prospetto esterno



SEZIONI SCALA 1:1
VETRAZIONI

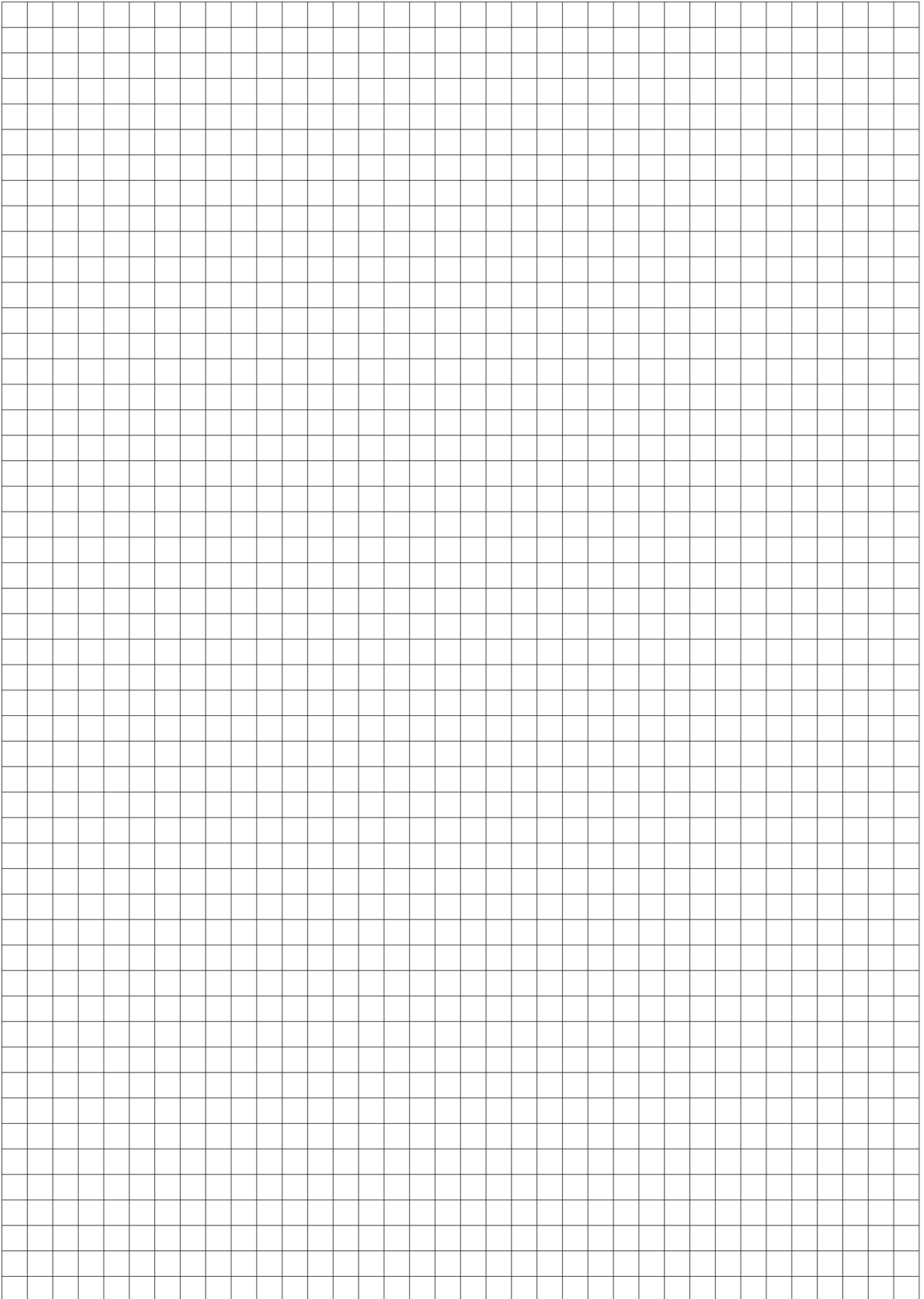
Prospetto esterno





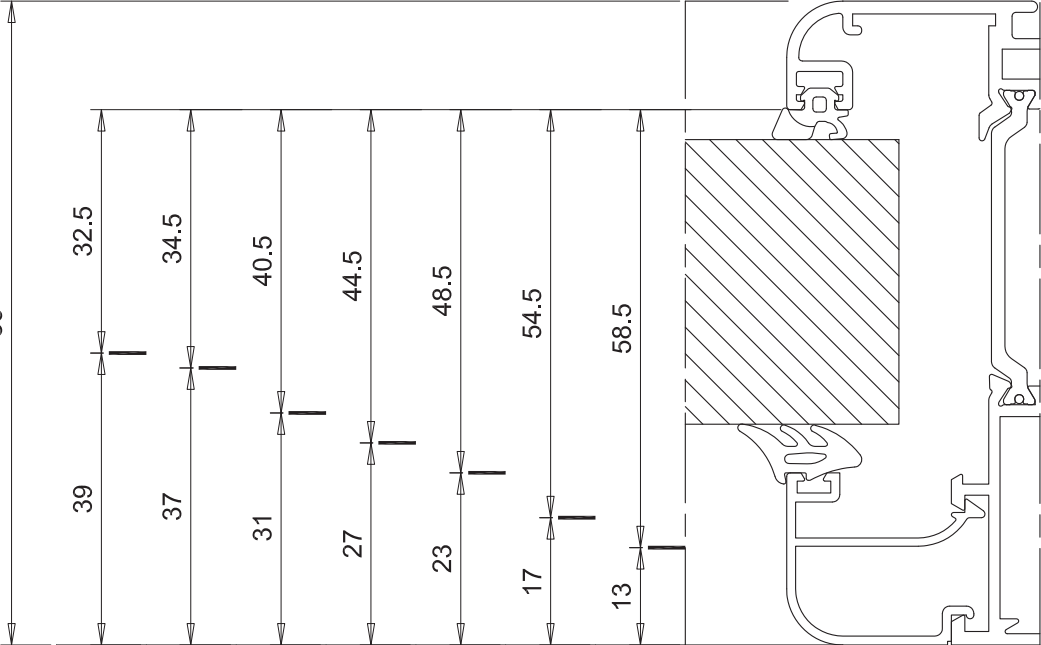
Sistemi

TW76



Guarnizioni Interne				Guarnizioni Esterne			
Spess. 3-5 mm.	Spess. 4-6mm.	Spess. 6-8mm.		Spess. 4 mm.	Spess. 1,5 mm.	Spess. 3 mm.	Spess. 5 mm.
GK.80157	GK.80158	GK.80159		GK.83551	GK.80202	GK.80144	GK.80216
VETRAZIONE TELAIO FISSO							
76							
DIMENSIONI e TIPOLOGIE FERMAVETRI	24558 g/m 392				39	32.5	
	24557 g/m 385				37	34.5	
	24528 g/m 366	16197 g/m 316	16198 g/m 306	EK.13088 g/m 300	31	40.5	
	24572 g/m 352	16193 g/m 303	16194 g/m 293	EK.16103 g/m 280	27	44.5	
	24571 g/m 340	16191 g/m 290	16192 g/m 280	EK.13091 g/m 265	23	48.5	
	24569 g/m 279	16189 g/m 252	16190 g/m 252	EK.13090 g/m 245	17	54.5	
	24567 g/m 265	16186 g/m 243	16187 g/m 232	EK.13089 g/m 225	13	58.5	

N.B.:
LO SCHEMA INDICA LE QUOTE TEORICHE, LE DIMENSIONI REALI DEVONO ESSERE SEMPRE VERIFICATE

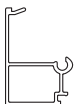
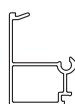
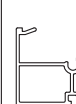
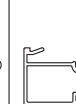
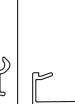
Guarnizioni Interne				Guarnizioni Esterne			
Spess. 3-5 mm.	Spess. 4-6mm.	Spess. 6-8mm.		Spess. 4 mm.	Spess. 1,5 mm.	Spess. 3 mm.	Spess. 5 mm.
GK.80157	GK.80158	GK.80159		GK.83551	GK.80202	GK.80144	GK.80216
VETRAZIONE TELAIO MOBILE							
				86			
DIMENSIONI e TIPOLOGIE FERMAVETRI	24558 g/m 392				39	32.5	
	24557 g/m 385				37	34.5	
	24528 g/m 366	16197 g/m 316	16198 g/m 306	EK.13088 g/m 300	31	40.5	
	24572 g/m 352	16193 g/m 303	16194 g/m 293	EK.16103 g/m 280	27	44.5	
	24571 g/m 340	16191 g/m 290	16192 g/m 280	EK.13091 g/m 265	23	48.5	
	24569 g/m 279	16189 g/m 252	16190 g/m 252	EK.13090 g/m 245	17	54.5	
	24567 g/m 265	16186 g/m 243	16187 g/m 232	EK.13089 g/m 225	13	58.5	
							

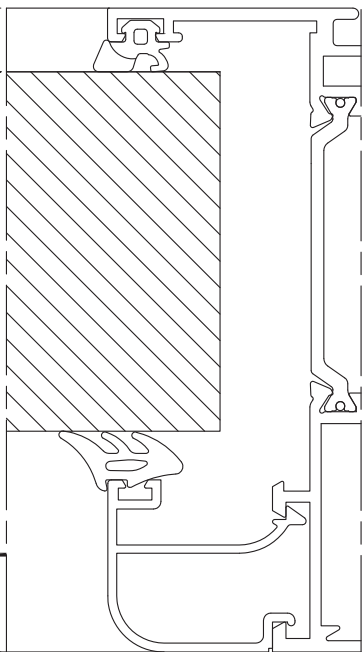
N.B.:
LO SCHEMA INDICA LE QUOTE TEORICHE, LE DIMENSIONI REALI DEVONO ESSERE SEMPRE VERIFICATE

VETRAZIONE TELAIO MOBILE

Guarnizioni Esterne			
Spess. 4 mm.		Spess. 1,5 mm.	
		Spess. 3 mm.	
		Spess. 5 mm.	

Guarnizioni Interne		
Spess. 3-5 mm.	Spess. 4-6mm.	Spess. 6-8mm.
		
GK.80157	GK.80158	GK.80159

DIMENSIONI e TIPOLOGIE FERMAVETRI				86	
	24558 g/m 392				39
	24557 g/m 385				37
	24528 g/m 366		16197 g/m 316		31
	24572 g/m 352		16193 g/m 303		27
	24571 g/m 340		16191 g/m 290		23
	24569 g/m 279		16189 g/m 252		17
	24567 g/m 265		16186 g/m 243		13
					64.5
					60.5
					54.5
					50.5
					46.5
					40.5
					38.5



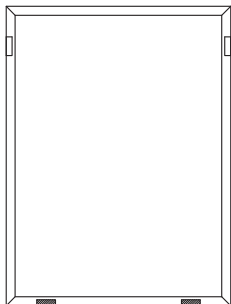
N.B.:
 IL COEFFICIENTE DI TRASMISSIONE TERMICA (K) DEVE ESSERE VERIFICATO
 IN BASE ALLE CONDIZIONI DI INSTALLAZIONE E AL TIPO DI VETRO.

N.B.:
LO SCHEMA INDICA LE QUOTE TEORICHE, LE DIMENSIONI REALI DEVONO ESSERE SEMPRE VERIFICATE

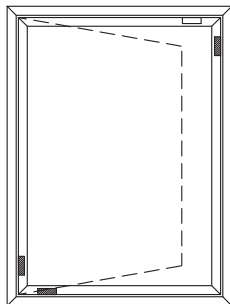
SEZIONI SCALA 1:1
VETRAZIONI

TABELLA PER SPESSORAMENTO VETRI

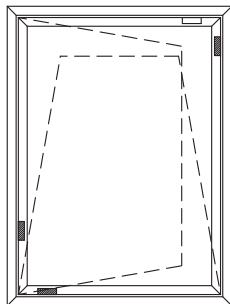
Telaio fisso



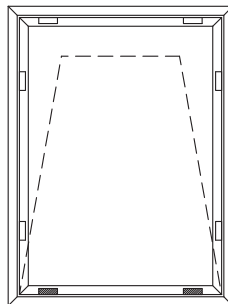
Anta battente



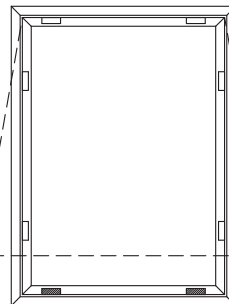
Anta ribalta



Wasistas

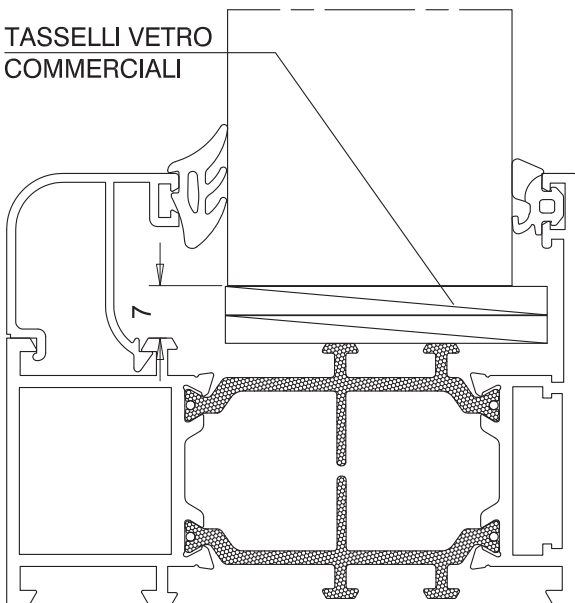


Sporgere



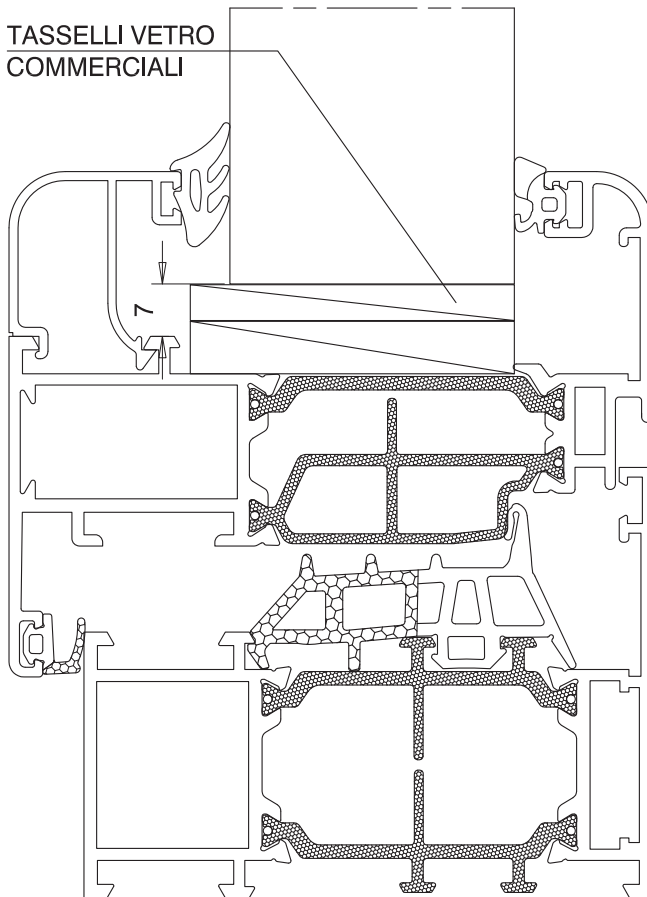
- Spessori portanti
- Spessori distanziatori

TASSELLI VETRO COMMERCIALI



TELAIO FISSO

TASSELLI VETRO COMMERCIALI

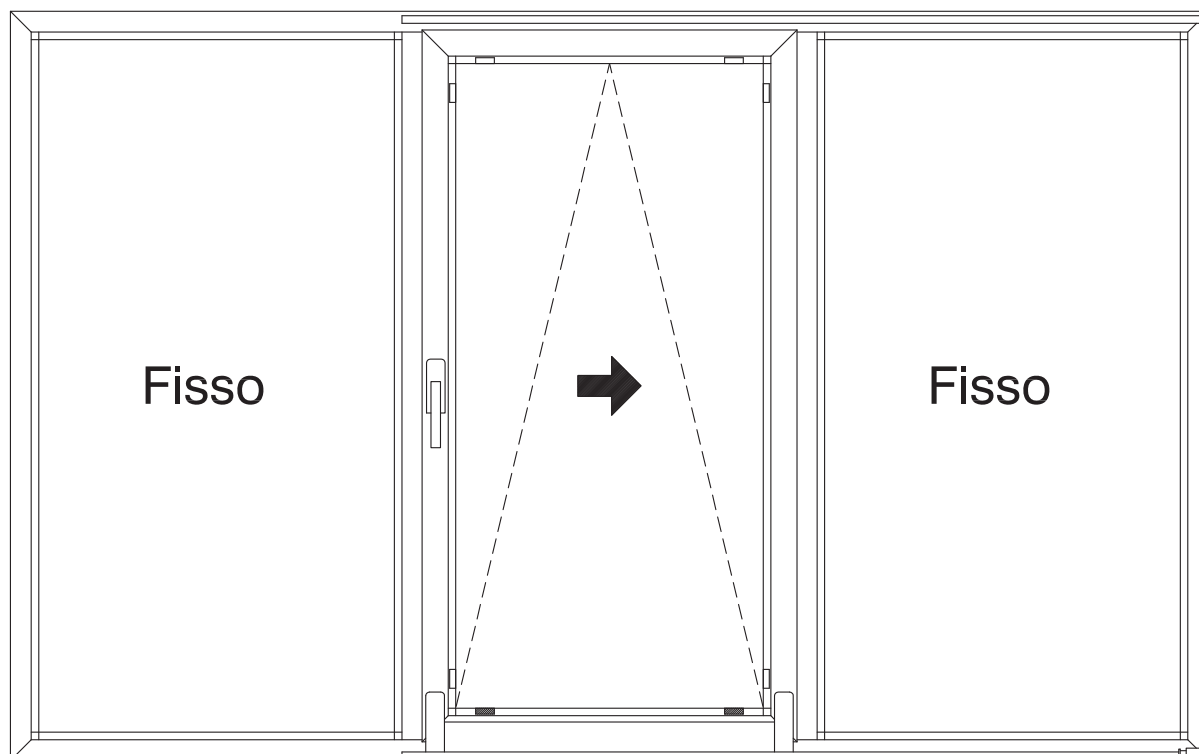


TELAIO MOBILE

Il posizionamento ed il numero dei tasselli sono ricavati dal Manuale "UX 42 - GUIDA ALLA CORRETTA POSA IN OPERA" dell' UNCSAAL. Per ulteriori dettagli farvi riferimento

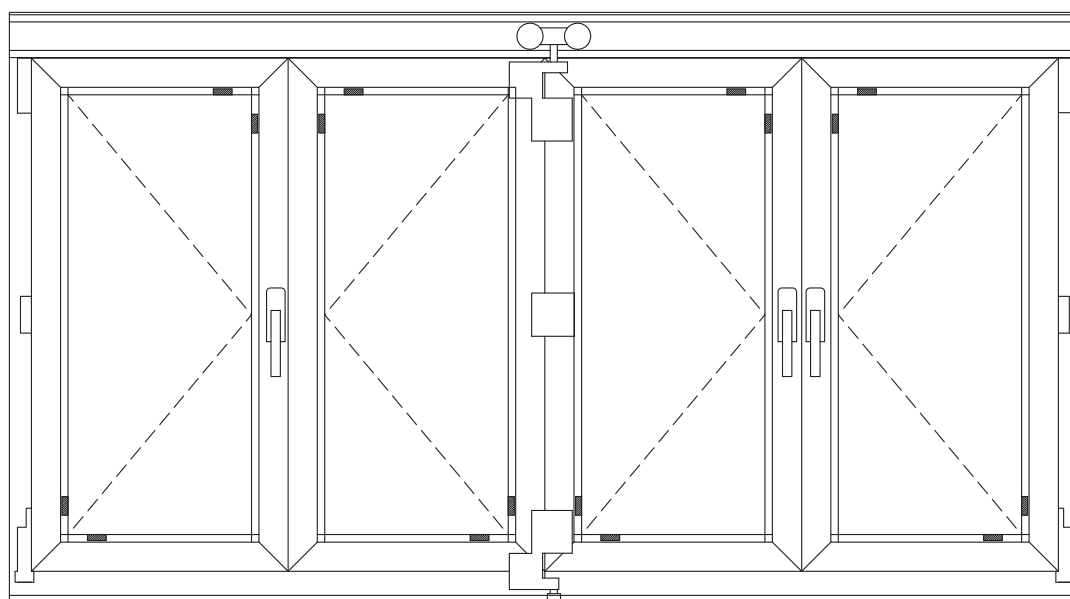
TABELLA PER SPESSORAMENTO VETRI

Scorrevole parallelo - schema G



- Spessori portanti
- Spessori distanziatori

Scorrevole a libro - schema 431



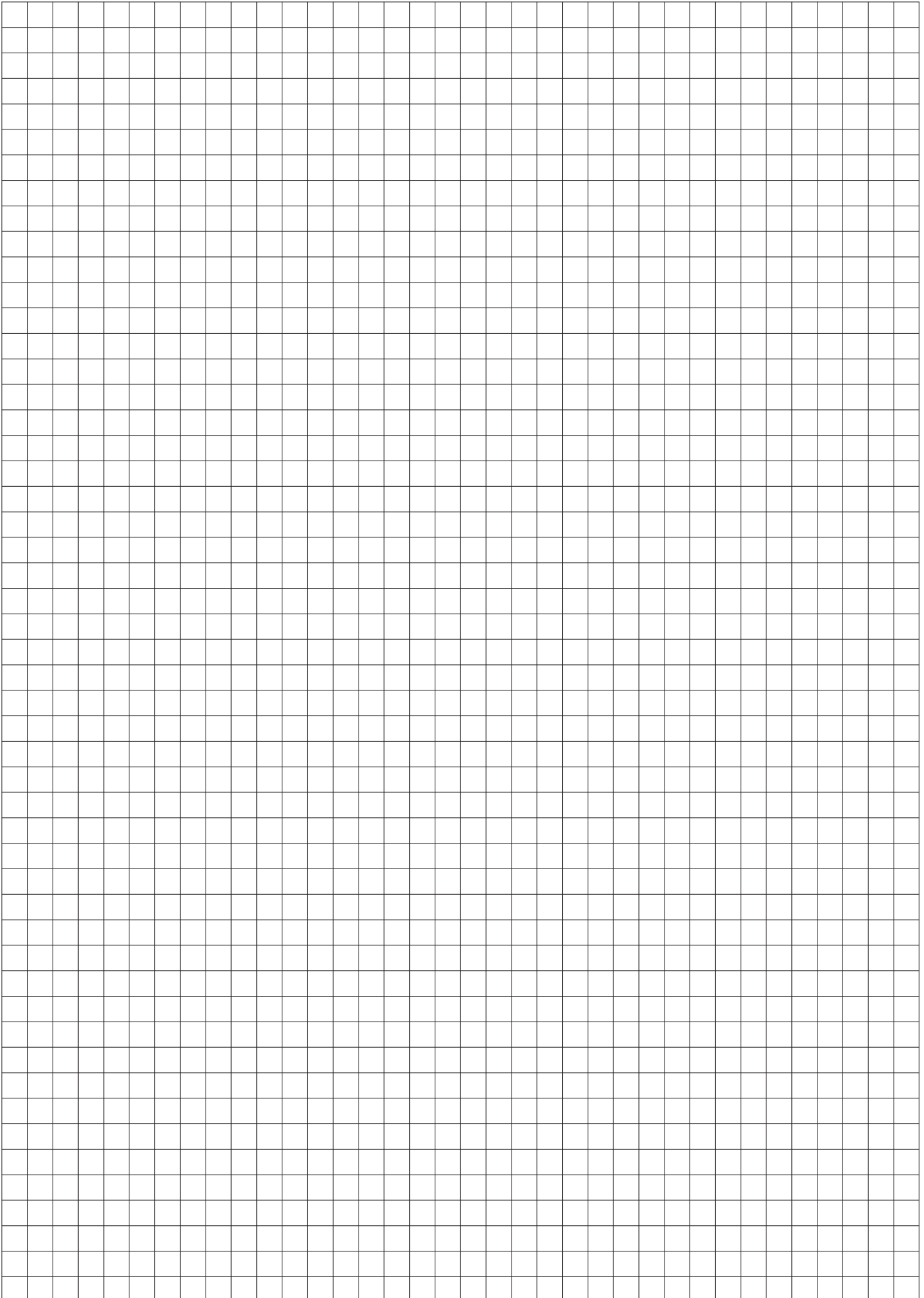
- Spessori portanti

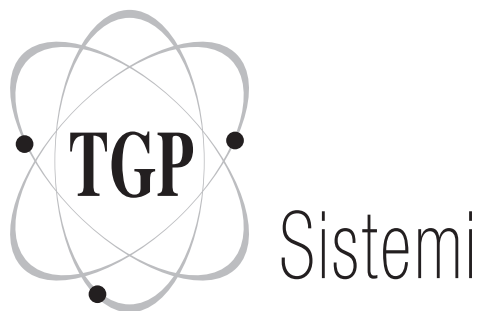
Il posizionamento ed il numero dei tasselli sono ricavati dal Manuale "UX 42 - GUIDA ALLA CORRETTA POSA IN OPERA" dell' UNCSAAL. Per ulteriori dettagli farvi riferimento



Sistemi

TW76





Schemi di apertura
Distinte di taglio

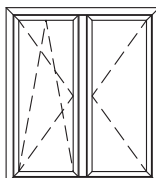
Opening schemes
Cutting lists

Aperture BATTENTI e A.R.
Prospetti esterni

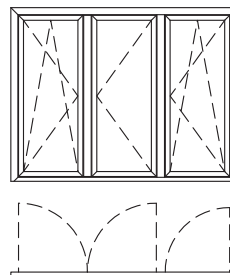
Finestra 1 anta



Finestra 2 ante



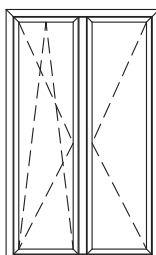
Finestra 3 ante



Porta/Fin. 1 anta



Porta/Fin. 2 ante



Porta/Fin. 3 ante

