

DESCRIZIONE TECNICA DEL SISTEMA "EKU" PER FINESTRE E PORTE A BATTENTE A TAGLIO TERMICO TECHNICAL DESCRIPTION OF THE "EKU" SYSTEM FOR THERMAL BREAK WINDOWS AND DOORS



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

Stato di fornitura: T 5

Isolamento termico ottenuto tramite barrette in poliammide, inserite in apposite sedi tra i due lati dei profili in alluminio 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 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 di poliammide.

Caratteristiche principali del Sistema:

Dimensione base:

EKU72TT

- sezione del telaio fisso	mm.	64
- sezione dell' anta	mm.	72
- sezione dell' anta per porte	mm.	64
- sovrapposizione a muro dei telai fissi	mm.	22
- altezza sede vetro	mm.	22
- larghezza massima per vetro o pannello	mm.	51

Inserimento del vetro con fermavetro a scatto o ad aggancio con clips secondo il tipo di fermavetro scelto;

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 battuta parapolvere e antirumore inserita nella cava sull'aletta interna dell' anta;

nelle porte la tenuta è prevista con doppia guarnizione di battuta;

Possibilità di impiego: i sistemi consentono la costruzione di serramenti a superfici piane, coplanari sul lato esterno e sormonto interno, con aletta di vetratura arrotondata; si possono fabbricare porte e finestre a battente, con apertura ad una o più ante, a wasistas, ad anta ribalta, vetrate fisse, vetrine per negozi, portoncini con apertura verso l'interno e/o l'esterno: questi ultimi sono a superficie coplanare esterno/interno.

NOTE TECNICHE

Il peso dei profilati e 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 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 al 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. Il sistema di profilati riportato in questo catalogo è brevettato; tutti i dati riportati nel presente catalogo sono indicativi e non impegnano la Profilati spa e la Trafilerie Emiliane Sud S.p.A. che si riservano di apportare in qualsiasi momento quelle modifiche che riterranno opportune al fine di migliorare i prodotti. Quanto illustrato nel presente catalogo è di esclusiva proprietà Profilati spa e, a termine di legge ne è vietata la riproduzione, anche parziale, se non esplicitamente autorizzata.

Profilati spa

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 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:

EKU72TT

- Fixed frame cross-section:	mm	64
- Wing cross-section:	mm	72
- Wing cross-section for doors:	mm	64
- Fin of rabbet for fixed frames:	mm	22
- Glass seat space:	mm	22
- Maximum width for glass or panel:	mm	51

Glass insertion with snap or clip connection glazing bead according to the type of glazing bead chosen;

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

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

Door seal is ensured through double weatherstrip;

Application: The systems allow for construction of plane surface fixtures, coplanar on the external side and internal overlap, with rounded glass beading. It is possible to manufacture doors 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 dimensions 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 connections show some of the catalogue are an indication and not a limitation; they simply show some of the 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 system of sections shown in this catalogue is patented; all data given in this catalogue are an indication and do not bind Profilati S.p.A. and Trafilerie Emiliane Sud S.p.A. which reserve the right to make any modifications deemed appropriate to improve products.

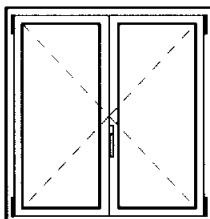
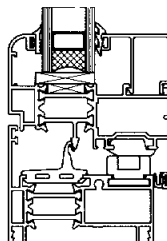
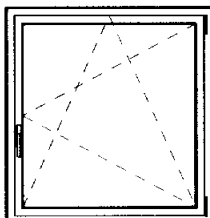
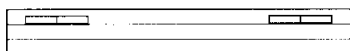
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Profilati S.p.A.

Caratteristiche meccaniche e fisiche - Typical mechanical and physical properties

Leghe in alluminio da bonifica - Estrusi - Heat treatable aluminium alloys - Extrusions

LEGA	STATO UNI EN 575	DUREZZA - SPESSORE HARDNESS - THICKNESS mm	CARATTERISTICHE MECCANICHE TYPICAL MECHANICAL PROPERTIES			CARATTERISTICHE FISICHE TYPICAL PHYSICAL PROPERTIES				
			Carico di rottura a trazione N/mm ²	Carico al limite di snervamento N/mm ²	Allungam. A %	Composiz. chimica nominale %	Peso specifico Kg/dm ³	Conducibilità termica (W/mk)	Resistività elettrica (nohmm)	Coefficiente di dilataz. termica lineare/µm/m/K
ALLOY	TEMPER	mm	Ultimate Strength N/mm ²	Yield Strength N/mm ²	Elongation A %	Nominal chemical compos. %	Specific gravity Kg/dm ³	Thermal conductivity (W/mk)	Electrical resistivity (nohmm)	Average coeff. thermal exp µm/m/K
EN	T5	≤ 5	160	120	8	Mg 0,35-0,60	2,70	209	26,55	23,4
AW-6060	T6	≤ 3	190	150	8	Si 0,30-0,60		209	26,55	

SISTEMA SYSTEM	TIPOLOGIA WINDOWS AND DOOR	DIMENSIONI DIMENSIONS	RISULTATI PROVE TEST VALUES			SEZIONI CROSS SECTIONS	CERTIFICATO N° CERTIFICATE N°
		LXH mm	Aria Air	Acqua Water	Vento Wind		
EKU 72TT		1200x1500	A3	E4	V2A		1872/95-A
		1200x1500	A3	E4	V3		1872/95
N.B.: A richiesta saranno fornite copie certificati. Complete copies of the certificates are available at request.							
EKU 72TT		"K" Termico profili			069/96 069/96A	DIN 4108 GRUPPO 2.1	

COLLAUDI PRESSO IFT DI ROSENHEIM - SISTEMA EKU 72 TT
TESTS ARE BEING CARRIED OUT BY IFT OF ROSENHEIM - EKU 72 TT

IFT 105.2	Certificazione sistema per finestre in alluminio secondo le norme DIN 18055 - DIN EN 42 - DIN EN 77 - DIN EN 86 - DIN EN 107. <i>Test of windows system in aluminium according to norms DIN 18055 - DIN EN 42 - DIN EN 77 - DIN EN 86 - DIN EN 107.</i>
IFT 402.1	Determinazione valore "K" profili telaio secondo le norme DIN 52619 parte 3. <i>Determination value "K" for frame profiles according to norms DIN 52619 - 3^a</i>
IFT 501.1	Parametri e calcoli statistici secondo le direttive dell'IFBT di Berlino (Istituto per la tecnica delle costruzioni) e secondo le norme DIN 53449. <i>Parameters and static calculations according to instructions of the IFBT Berlin (Institute for Construction Technics) and according to the norms DIN 53449.</i>

CAMPO D'IMPIEGO PROFILI - RANGE OF USE FOR PROFILES

N° profilo anta N° profile wing	Per altezza edificio 0-20 mt - For height building				Per altezza edificio 20-100 mt - For height building			
	Larghezza anta max. (mm) Width wing max.	Altezza anta max. (mm) Height wing max.	Una chiusura suppl. oltre (La-Ha) One addit. lock	Due chiusure suppl. oltre (La-Ha) Two addit. locks	Larghezza anta max. (mm) Width wing max.	Altezza anta max. (mm) Height wing max.	Una chiusura suppl. oltre (La-Ha) One addit. lock	Due chiusure suppl. oltre (La-Ha) Two addit. locks
Finestra ad un'anta e/o anta ribalta - One wing casement window or combined bottom and tilt-turn window								
TTE 55	1300	1600	1100	-	1200	1500	1000	-
TTE 62	1500	1900	1200	1600	1300	1800	1100	1600
Portabalcone ad un'anta e/o anta ribalta - Balcony door one wing or combined bottom and tilt-turn door								
TTE 55	950	2100	1100	1600	850	2000	1000	1600
TTE 62	1100	2300	1200	1700	900	2200	1100	1700
Finestra due ante - Two wings casement window								
TTE 55	1100	1600	1100	-	1000	1500	1000	-
TTE 62	1200	1900	1200	-	1100	1800	1100	-
Portabalcone due ante - Two wings balcony door								
TTE 55	800	2100	1100	1600	600	2000	1000	1500
TTE 62	900	2300	1200	1700	800	2100	1100	1600

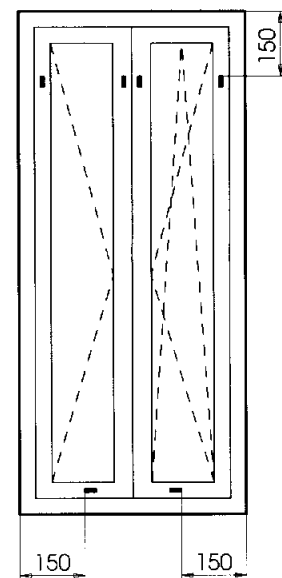
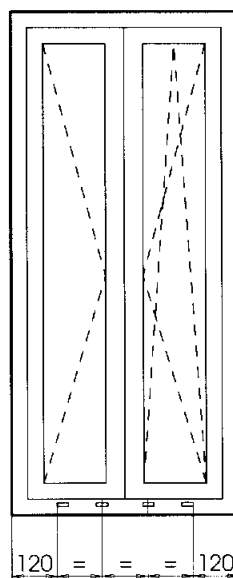
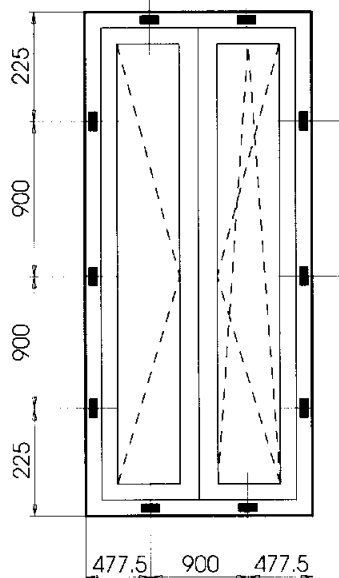
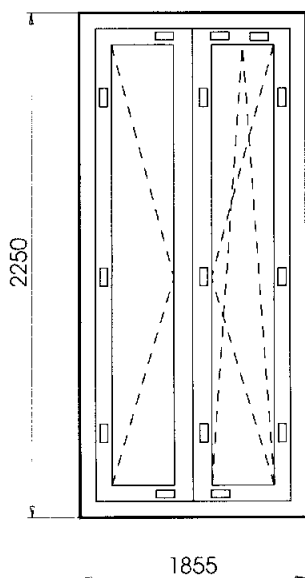
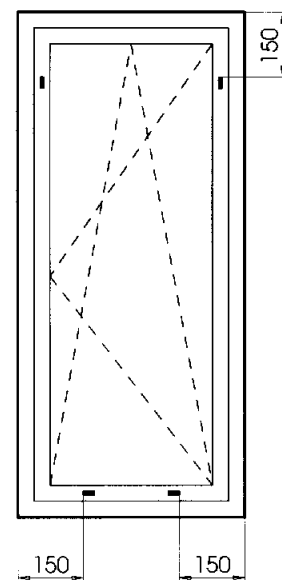
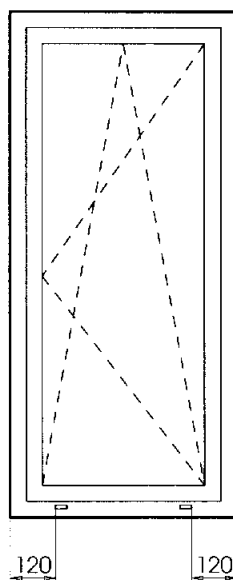
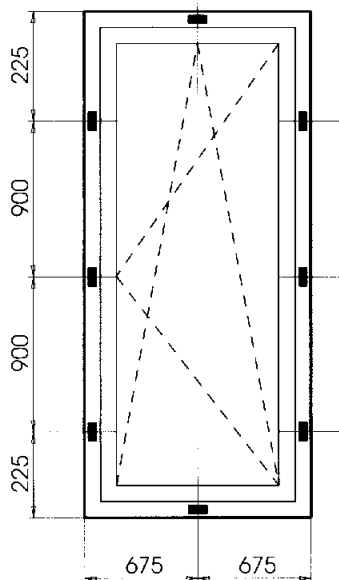
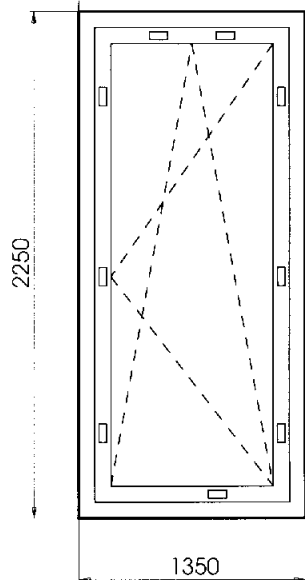
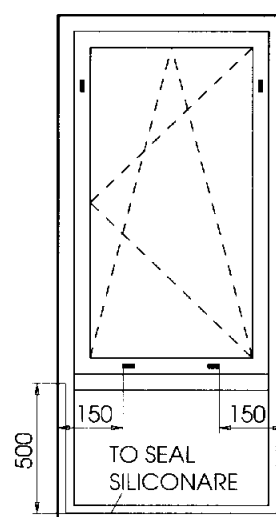
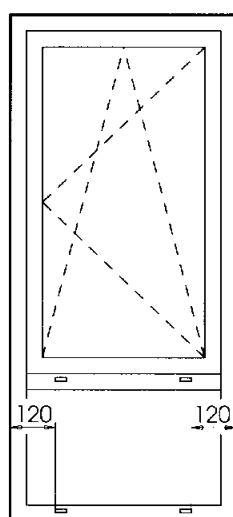
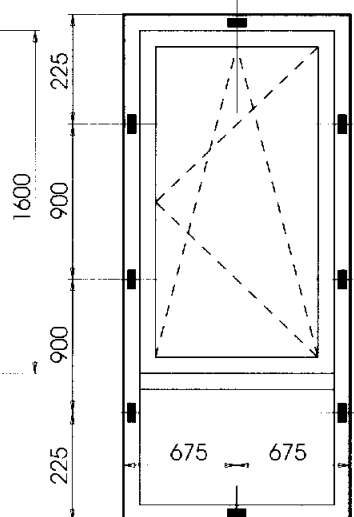
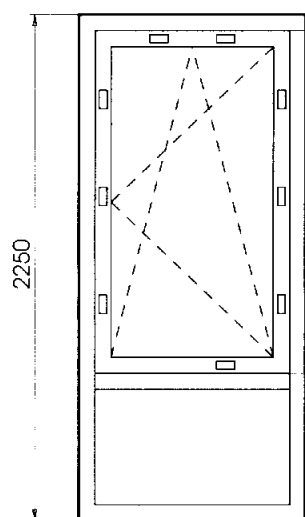
N.B. Dimensione minima anta La = 400 - Ha = 500 mm - Peso max. anta = kg 120 - Minimum wing sizes La = 400 - Ha = 500 mm - Max wing weight = kg. 120

PUNTI DI CHIUSURA
LOCKS MULTIPoint

FISSAGGIO ALLA MURATURA
FIXING TO WALL

SCARICHI ACQUA
WATER DRAINAGE

VENTILAZIONE VETRO
GLASS VENTILATION



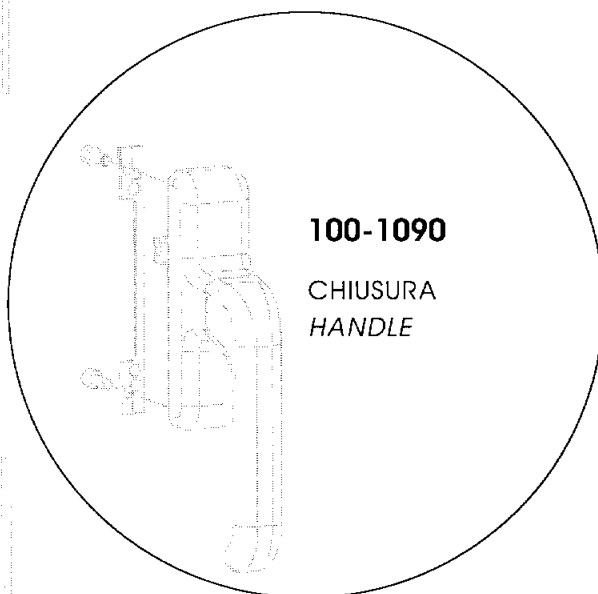
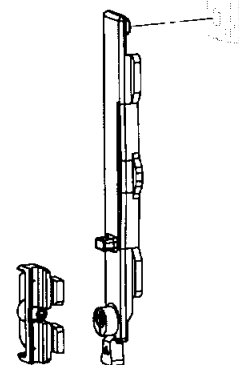
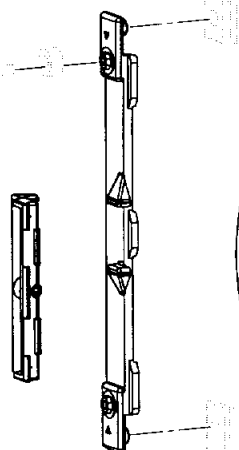
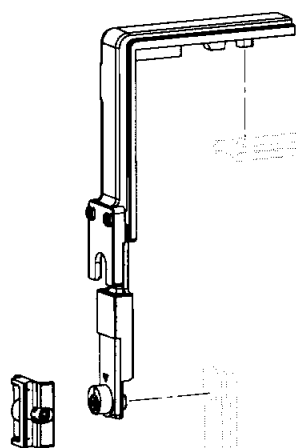
NB. PER OGNI SOLUZIONE INDICATA POSSIAMO FORNIRE I DISEGNI D'ASSEMBLE
 FOR EACH INDICATED TYPE ASSEMBLY DRAWINGS WILL BE SUPPLIED AT REQUEST

ARTICOLO ACCESSORIO ACCESSORY ITEM	APPLICAZIONE SUL SISTEMA E DESCRIZIONE DESCRIPTION AND SYSTEM APPLICATION	ARTICOLO ACCESSORIO ACCESSORY ITEM	APPLICAZIONE SUL SISTEMA E DESCRIZIONE DESCRIPTION AND SYSTEM APPLICATION
100-600X	CERNIERA A PETTINE "BRIDGE 2" "BRIDGE 2" HINGE	100-2030	BRACCIO LIMITATORE DI APERTURA FRICTION OF LIMITED OPENING ARM
100-607X	CERNIERA A PETTINE "BRIDGE 2" (per terza anta) "BRIDGE 2" HINGE (for third wing)	100-2111	CATENACCIO "GIAP" "GIAP" LATCH
100-120N	CERNIERA "FLASH" "FLASH" HINGE	100-2113	ASTA DI PROLUNGA EXTENSION ROD
100-143V	CERNIERA "FLASH" (per terza anta) "FLASH" HINGE (for third wing)	100-2114	TERMINALE PER ASTE ROD TERMINAL
100-150N	CERNIERA "FLASH" (con perno registrabile) "FLASH" HINGE (WITH ADJUSTABLE PIN)	100-2152	CATENACCIO "SUPERGIAP" CON GUIDA (coppia) "SUPERGIAP" LATCH WITH GUIDE (pair)
153-0428	GIUNTO A "T" (29x15) T-JOINT	100-2153	CATENACCIO "SUPERGIAP" "SUPERGIAP" LATCH FOR WINDOWS
153-0431	GIUNTO A "T" (27,5x32) T-JOINT	100-2157	TERMINALE PER ASTE "SUPERGIAP" "SUPERGIAP" ROD TERMINAL
100-1000	CREMONESE "EURO" "EURO" CREMONE BOLT	100-2159	BOCCOLA PER SOGLIA DOOR SILL BUSH
100-1090	CREMONESE "EURO" PER MECCANISMO ANTA-RIBALTA "EURO" CREMONE BOLT FOR TILT-TURN WINDOW	100-2160	GUIDA PER "SUPERGIAP" "SUPERGIAP" GUIDE
100-1228	KIT FISSAGGIO A MURO WALL-MOUNTING KIT	100-2170	CATENACCIO "TOTEM" PER PORTE "TOTEM" LATCH FOR DOOR
100-1314	INCONTRO ASTE E TERZA CHIUSURA REST PLATE AND 3RD STOP	100-2172	CATENACCIO "TOTEM" "TOTEM" LATCH FOR WINDOWS
100-1325	INCONTRO SUPERIORE CATENACCIO "TOTEM" UPPER REST PLATE FOR DOOR LATCH	100-2328	CAPPETTA COPRI ASOLA DRENAGGIO ACQUA COVER CAP FOR WATER DRAINAGE HOLE
100-1339	INCONTRO DOPPIO DOUBLE REST PLATE	100-2336	SOSTEGNO ANTA WING SUPPORT
100-1343	INCONTRO PER ART. 100-4030 REST PLATE FOR ITEM 100-4030	100-2387	BLOCCHETTI DI COLLEGAMENTO ALLA CREMONESE "EURO" "EURO" CREMONE BOLT CONNECTION BLOCKS
100-1350	ROSTRO DI CHIUSURA REGISTRABILE ADJUSTABLE ADDITIONAL HINGE	100-4030	NOTTOLINO DI CHIUSURA REGISTRABILE ADJUSTABLE CLOSING PIN
100-1701	CRICCHETTO "GRISBI" SPRING LATCH FOR HOPPER WINDOWS	100-4010	KIT DI CHIUSURA MULTIPLA PER ANTA MULTIPLE LOCK FOR WING
100-2040	BRACCIO LUNGO "RALLENTY" mm250 "RALLENTY" LONG ARM mm250	100-4551	KIT DI INTEGRAZIONE "DUPLEX" "DUPLEX" INTEGRATION KIT
100-2041	BRACCIO CORTO "RALLENTY" mm150 "RALLENTY" SHORT ARM mm150	100-6040	CERNIERA "LOIRA" A DUE ALI INTERASSE mm 60 CON KIT DI FISSAGGIO 60 mm CENTER DISTANCE "LOIRA" HINGE WITH FIXING KIT

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101-6045	CERNIERA "LOIRA" A TRE ALI INTERASSE mm 60 CON KIT DI FISSAGGIO <i>60 mm CENTER DISTANCE</i> <i>"LOIRA" HINGE WITH FIXING KIT</i>	105-0706	SQUADRETTA IN ACCIAIO INOX PER ALLINEAMENTO ALETTE DI BATTUTA TELAIO A MURO <i>STAINLESS STEEL CORNER JOINT</i> <i>FOR WALL SUBFRAME</i>
101-6192	CERNIERA "LOIRA" A DUE ALI INTERASSE mm 93 <i>93 mm CENTER DISTANCE</i> <i>"LOIRA" HINGE</i>	105-1909	SQUADRETTA A SCATTO AD ANGOLAZIONE VARIABILE <i>CORNER JOINT WITH VARIABLE</i> <i>ANGULATION</i>
101-6197	CERNIERA "LOIRA" A TRE ALI INTERASSE mm 93 <i>93 mm CENTER DISTANCE</i> <i>"LOIRA" HINGE</i>	105-2004	SQUADRETTA DI ALLINEAMENTO ALETTA ESTERNA ANTE "FUJI" <i>EXTERNAL CORNER JOINT</i> <i>FOR WING PROFILES "FUJI"</i>
101-6633T4	KIT FISSAGGIO PER CERNIERA art. 101-6192 <i>FIXING KIT FOR HINGE</i> <i>ITEM 101-6192</i>	105-5004/50	SQUADRETTA AD AVVITARE PER PROFILI MAGGIORATI "TONALE" <i>"TONALE" CORNER JOINT TO BE</i> <i>SCREWED FOR OVERSIZE PROFILES</i>
101-6643T4	KIT FISSAGGIO PER CERNIERA art. 101-6197 <i>FIXING KIT FOR HINGE</i> <i>ITEM 101-6197</i>	106-0349	FORBICI TAGLIA GUARNIZIONI <i>SCISSORS FOR GASKET</i>
101-6851	DIMA PER PANTOGRAFO (interasse 60 mm) <i>PANTOGRAPH TEMPLATE</i>	106-00114	ROTELLA INFILA GUARNIZIONE <i>ROLLER FOR GASKET INSERTION</i>
101-6856	DIMA PER PANTOGRAFO (interasse 93 mm) <i>PANTOGRAPH TEMPLATE</i>	153-3573	SQUADRETTA PER TUBOLARITA' ESTERNA <i>EXTERNAL CORNER JOINT</i>
104-600.01	RAPID BLOCK Z/P RAPID BLOCK Z/P	153-3574	SQUADRETTA PER TUBOLARITA' ESTERNA PROFILI A SEZIONE MAGGIORATA <i>EXTERNAL OVERSIZE CORNER JOINT</i>
104-600.98	SPESSORE/SHIM mm. 5	110-3578	SQUADRA IN ALLUMINIO A SPINARE SU PROFILI A SEZ. MAGGIORATA <i>ALLUMINIUM CORNER JOINT TO</i> <i>BE LOCKED BY A PIN ON</i> <i>OVERSIZE PROFILES</i>
104-600.99	SPESSORE/SHIM mm. 2,5	153-3579	SQUADRA IN ALLUMINIO A CIANFRINARE SU PROFILI A SEZ. MAGGIORATA <i>ALUMINIUM CORNER JOINT TO BE</i> <i>CHAMFERED ON OVERSIZE</i> <i>PROFILES</i>
105-0099	SPINA PER SQUADRETTA art 105-0110 <i>PIN FOR CORNER JOINT</i> <i>ITEM 105-0110</i>	115-CD8132	COLLA CIANOACRILICA PER INCOLLAGGIO GUARNIZIONI <i>CYANO-ACRYLIC GLUE FOR</i> <i>GASKET</i>
105-0110	SQUADRETTA CERVINO A SPINARE O CIANFRINARE <i>CORNER JOINT TO BE LOCKED BY</i> <i>A PIN OR TO BE CHAMFERED</i>	115-CDISO6M	SPUGNA ADESIVA PER COIBENTAZIONE <i>ADHESIVE SPONGE FOR</i> <i>INSULATION</i>
105-0409 164-0409	SQUADRETTA A SCATTO "MONTEBIANCO" <i>CORNER JOINT</i>	123-50729T	SIGILLANTE PROTETTIVO TRASPARENTE PER LA SIGILLATURA ANGOLI <i>TRANSPARENT PROTECTIVE</i> <i>SEALANT FOR CORNERS</i>
105-0426 164-0426	SQUADRETTA A SCATTO "MONTEBIANCO" PER PROFILI A TUBOLARITA' MAGGIORATA <i>CORNER JOINT FOR OVERSIZE</i> <i>PROFILES</i>	126-6090	TAPPI DI TENUTA SU PROFILI DI RIPORTO CENTRALE TTE56 <i>SEAL PLUG ON CENTRAL</i> <i>PROFILES-WINDOWS</i>

ARTICOLO ACCESSORIO ACCESSORY ITEM	APPLICAZIONE SUL SISTEMA E DESCRIZIONE DESCRIPTION AND SYSTEM APPLICATION	ARTICOLO ACCESSORIO ACCESSORY ITEM	APPLICAZIONE SUL SISTEMA E DESCRIZIONE DESCRIPTION AND SYSTEM APPLICATION
126-6117	TAPPO DI TENUTA SU INVERSIONE CENTRALE PORTE SEAL PLUG ON CENTRAL DOOR INVERSION	131-RA548	CASSETTA PER AVVOLGITORE WINDER HOUSING
126-6118	TAPPI SU PROFILI DI BATTUTA PORTE RABBIT PLUG ON THRESHOLD OF DOOR BASES	131-RA552	CUSCINETTO A SFERE BALL BEARING
126-6120	TAPPI DI TENUTA PER PORTE SEAL PLUG FOR DOOR SECTIONS	126-6183	CLIPS DI AGGANCIO PER FERMAVETRI ARROTONDATI CONNECTION CLIPS FOR ROUNDED GLASS BEARING
126-6122	TAPPI PER SOGLIA PORTE (6010) PLUG ON THRESHOLD DOOR SECTIONS	164-2224	ANGOLO IN ZAMA PER FERMAVETRI ARROTONDATI ANGLE FOR ROUNDED GLASS BEARINGS
126-6137	SQUADRETTA DI ALLINEAMENTO ALETTA ESTERNA TELAI CORNER JOINT FOR EXTERNAL FRAME	149-AL470	COLLANTE MONOCOMPONENTE PER INCOLLAGGIO SQUADRETTA SINGLE-COMPONENT GLUE FOR CORNER JOINT
126-6140	CLIPS DI AGGANCIO PER COPERTINE PROFILI PER ANGOLO VARIABILE CONNECTION CLIPS FOR VARIABLE ANGLE AND COVER JOINT	153-0002	SQUADRETTA A CIANFRINARE IN ALLUMINIO ESTRUSO EXTRUDED ALUMINIUM CORNER JOINT TO BE CHAMFERED
126-6312	SQUADRETTA DI ALLINEAMENTO ALETTA INTERNA ANTE CORNER JOINT FOR INTERNAL FIN WING	153-3975	SQUADRA IN ALLUMINIO A SPINARE SU PROFILI A SEZ. MAGGIORATA ALUMINIUM CORNER JOINT TO BE LOCKED BY A PIN ON OVERSIZE PROFILES
131-8973	TAPPI IN P.V.C. NERO PER CASSONETTO MONOBLOCCO BLACK, P.V.C. PLUG FOR MONOBLOCK BOX	153-3975 C	SQUADRA IN ALLUMINIO A CIANFRINARE PER PROFILI MAGGIORATI ALUMINIUM CORNER JOINT TO BE CHAMFERED FOR OVERSIZE PROFILES
131-8998	MENSOLE ORIZZONTALI IN LAMIERA ZINCATA PER MONOBLOCCO GALVANIZED STEEL HORIZONTAL SHELVES FOR MONOBLOCK	153-3976	SQUADRETTA TUBOLARITÀ ESTERNA PROFILI A SEZIONE MAGGIORATA EXTERNAL OVERSIZE CORNER JOINT
131-PR9063	CERNIERA ANGOLO VARIABILE VARIABLE ANGLE HINGE	157-0104	COPPIA COPRIBORDO PER PROFILO 10342 COVER PLUG FOR PROFILE 10342
131-PR9064	COPPI INVITI TAPPARELLA MONOBLOCCO CON PASSACINTINO COUPLING OF MONOBLOCK ROLLING SHUTTER WITH BELT PASS	210-T2974	SPINA IN ZAMA PER SQUADRA ART. 110-3578 PIN FOR CORNER JOINT ITEM 110-3578
131-RA442	COPPIA POMOLINI CON VITE COUPLE OF KNOBS WITH SCREW	153-040.4	SQUADRETTA DI ALLINEAMENTO ALETTA ESTERNA ANTE EXTERNAL CORNER JOINT ON WING
131-RA546	AVVOLGITORE CINTINO DA m 5 CON PLACCA NERA 5 mt BELT WINDER WITH BLACK PLATE	N.B.	PER ACCESSORI STANDARD, NON A STOCK, DEL MONOBLOCCO, CONSULTARE PAG. 93 FOR STANDARD MONOBLOCK, ACCESSORIES, NON IN STOCK, SEE PAG. 93
131-RA547	AVVOLGITORE CINTINO DA m 8 CON PLACCA NERA 8 mt BELT WINDER WITH BLACKPLATE		

100-4701



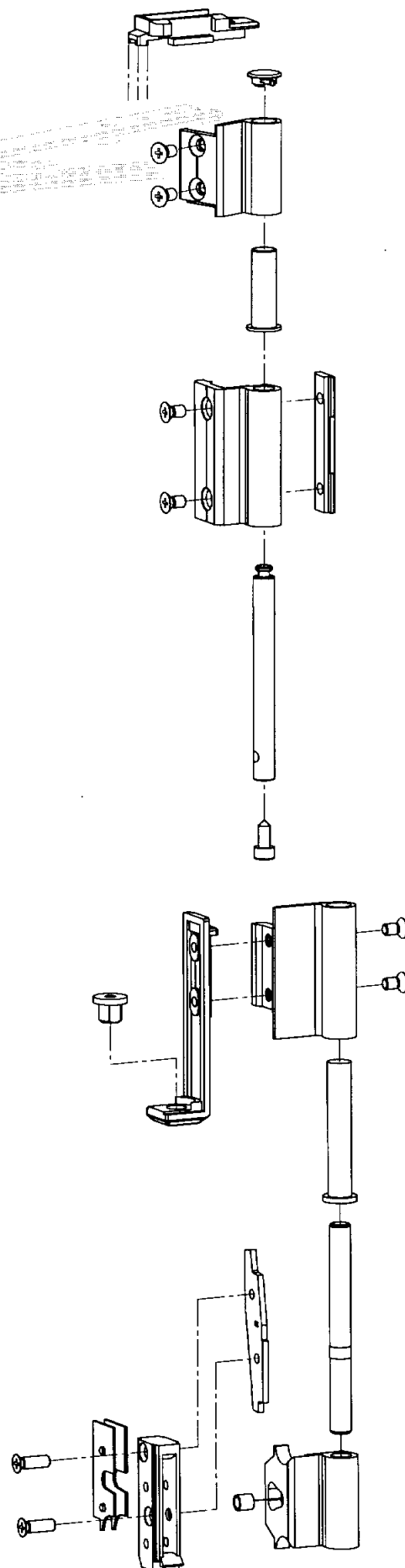
100-1090

CHIUSURA
HANDLE

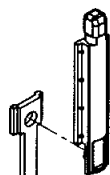
N.B.

Per lavorazioni e montaggio seguire le
istruzioni del foglio illustrativo inserito nel kit

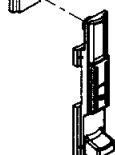
For tooling and mounting follow the
instructions leaflet in the kit



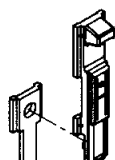
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100-4701



100-2336



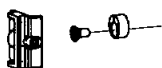
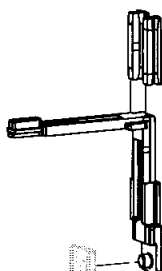
100-1339



100-4261

KIT CHIUSURA
DOPPIA ANTA

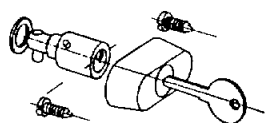
KIT LOCK FOR
DOUBLE WING



100-4641

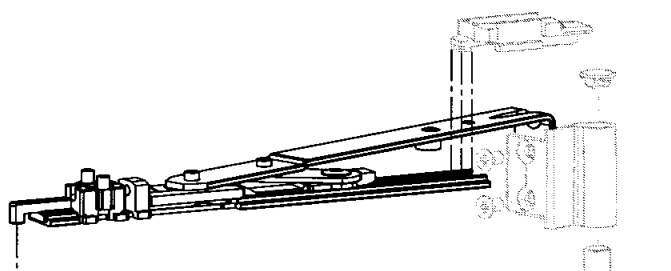
CHIUSURE
SUPPLEMENTARI
VERTICALI

ADDITIONAL
VERTICAL
LOCKS



100-4311

SERRATURA
LOCK



100-4331

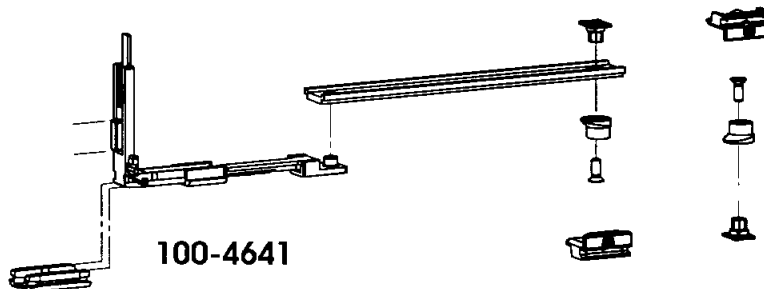
BRACCIO PICCOLO TIPO 1 - ANTA 370 : 535
SMALL ARM TYPE 1 (WING SIZE)

100-4321

BRACCIO PICCOLO TIPO 1S - ANTA 430 : 535
PER MONTAGGIO CHIUSURE SUPPLEMENTARI
SMALL ARM TYPE 1S (WING SIZE)
FOR ADDITIONAL LOCKS FITTING

100-4341

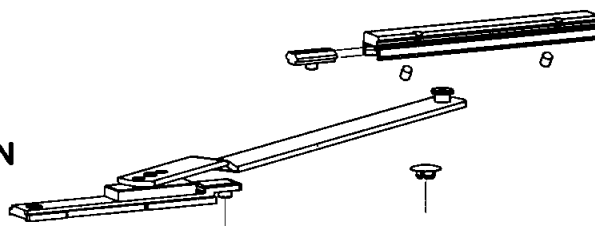
BRACCIO MEDIO TIPO 2 - ANTA 536 : 1700
MIDDLE ARM TYPE 21 (WING SIZE)



100-4641

CHIUSURE SUPPLEMENTARI ORIZZONTALI
ADDITIONAL HORIZONTAL LOCKS

100-4301N



BRACCIO SUPPLEMENTARE (da utilizzare col braccio 2)
Per larghezze anta da mm 1100 a mm 1700
ADDITIONAL ARM (to be utilized with arm 2)
(for wing width from mm 1100 to mm 1700)

ARTICOLO ITEM	MATERIALE MATERIAL	DESCRIZIONE DESCRIPTION	ARTICOLO ITEM	MATERIALE MATERIAL	DESCRIZIONE DESCRIPTION
102-6196	ALFAPRENE	GUARNIZIONE DISTANZIATRICE E SUPPORTO SIGILLATURA VETRI SPACING GASKET AND GLASS SEALING SUPPORT	126-3851	SANTOPRENE	GUARNIZIONE DI BATTUTA INTERNA INTERNAL RABBET GASKET
103-98135	EPDM	GUARNIZIONE PER GIUNTI A NASTRO RIBBON JOINT GASKET	126-1851	COPRENE COESTRUSO	
126-1074	EPDM	GUARNIZIONE FERMAVETRO INTERNA mm 2,5 INTERNAL GLASS BEADING GASKET mm 2,5	126-4123	EPDM	ANGOLO VULCANIZZATO PER GUARNIZIONE 126-2292 VULCANIZED ANGLE FOR GASKET 126-2292
126-1205	PVC COESTRUSO	GUARNIZIONE DI SUPPORTO SIGILLATURA VETRI SPESSORE mm 4 mm 4 THICK SUPPORT GLASS SEAL GASKET	126-8001	EPDM COESTRUSO	GUARNIZIONE DI VETRAZIONE ESTERNA SPESSORE mm 3 mm 3 THICK EXTERNAL GLASS BEADING GASKET
126-1845	EPDM	GUARNIZIONE FERMAVETRO INTERNA mm 1,5 INTERNAL GLASS BEADING GASKET mm 1,5	619-PB79	(7x9)	TENUTA PORTE E MONOBLOCCO DOOR AND MONOBLOCK SEAL
126-2178	EPDM	GUARNIZIONE DI VETRAZIONE ESTERNA SPESSORE mm 2,5 2,5 mm THICK EXTERNAL GLASS BEADING GASKET	619-P735	(7x3,5)	
126-2194	EPDM	GUARNIZIONE DI VETRAZIONE ESTERNA SPESSORE mm 3/4 3/4 mm THICK EXTERNAL GLASS BEADING GASKET			
126-2195	EPDM	GUARNIZIONE DI VETRAZIONE ESTERNA SPESSORE mm 5/6 5/6 mm THICK EXTERNAL GLASS BEADING GASKET			
126-2284	EPDM	GUARNIZIONE DI APPOGGIO SOGLIA SPESSORE mm 3/4 THRESHOLD BEARING GASKET			
126-2292	EPDM	GUARNIZIONE DI TENUTA CENTRALE A GIUNTO APERTO OPEN JOINT, CENTRAL SEAL.			
126-2340	EPDM	GUARNIZIONE DI GIUNZIONE PER TELAI FRAME SEAL			
126-2341	EPDM	GUARNIZIONE DI TENUTA A MURO FLOOR THRESHOLD GASKET			
126-2342	EPDM	GUARNIZIONE PER SOGLIA A PAVIMENTO INTERNAL JOINT GASKET			
126-2378	EPDM	GUARNIZIONE INTERNA PER SNODO INTERNAL RABBET GASKET			
126-2429	EPDM	GUARNIZIONE COPRI CAVA FERMAVETRO GLASS BEADING COVER CAVITY GASKET			
126-2666	EPDM	GUARNIZIONE DI BATTUTA INTERNA INTERNAL JOINT GASKET			
126-2678	EPDM	GUARNIZIONE PER BATTUTA SOGLIA (PROFILO 11018) THRESHOLD RABBET GASKET (PROFILE 11018)			
126-2800	EPDM	GUARNIZIONE DI VETRAZIONE INTERNA SPESSORE mm 2 2 mm THICK, INTERNAL GLASS BEADING GASKET			
126-2972	EPDM	GUARNIZIONE DI VETRAZIONE INTERNA SPESSORE mm 3 3 mm THICK, INTERNAL GLASS BEADING GASKET			

126-2178



A=3 mm

126-2800



B=2 mm

126-2194



C=3+4 mm

126-2195



D=5+6 mm

126-2197



E=7+8 mm

126-2972



F=3 mm

(*) VARIANTE C

SPESSORI
VETRI mm
GLASS
THICKNESS mm

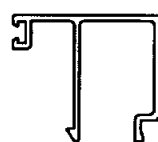
GUARNIZIONI
GASKETS

DIMENSIONI
FERMAVETRI
GLASS BEADING
DIMENSIONS mm

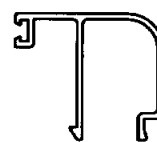
PROFILI E SEZIONI FERMAVETRI
GLASS BEADING PROFILES

18 A+E
19 A+E
20 A+D
21 A+D
22 A+C *(F)
23 A+C *(F)

31



4297



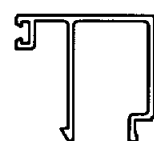
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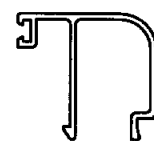
4197

24 A+C *(F)
25 A+B

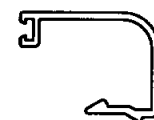
29



9040



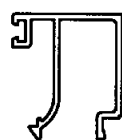
9041



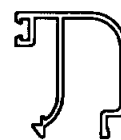
9042

27 A+E
28 A+D
29 A+D
30 A+C *(F)
31 A+C *(F)
32 A+B

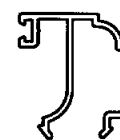
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4298



4195



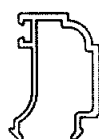
11202



4292

33 A+E
34 A+D
35 A+D
36 A+C *(F)
37 A+C *(F)
38 A+B

17



14371



4296



4299



4291

39 A+D
40 A+C *(F)
41 A+C *(F)

13



4294



4295



11203



4290

42 A+D
43 A+C *(F)
44 A+C *(F)

10



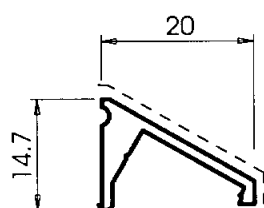
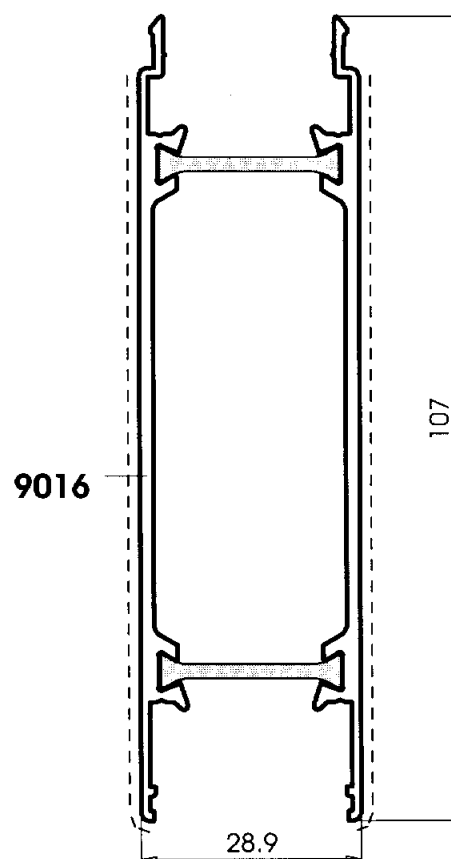
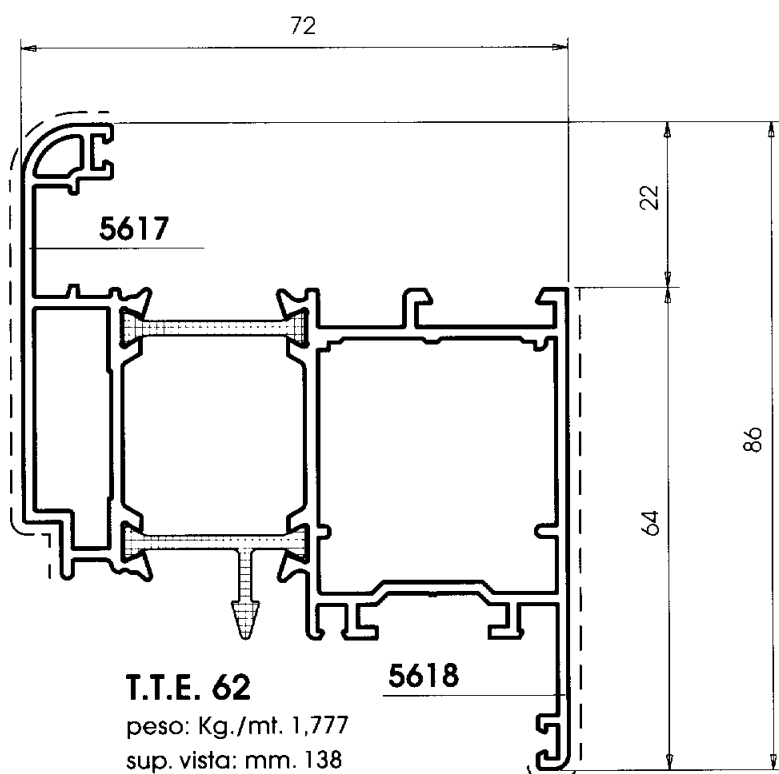
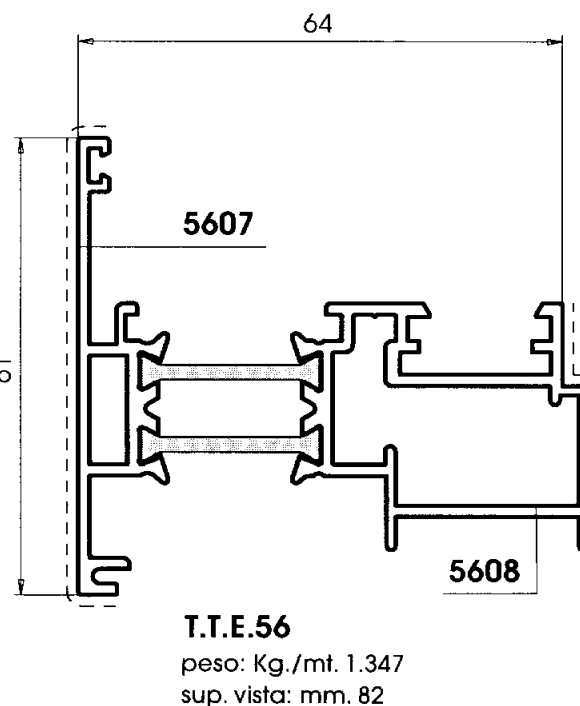
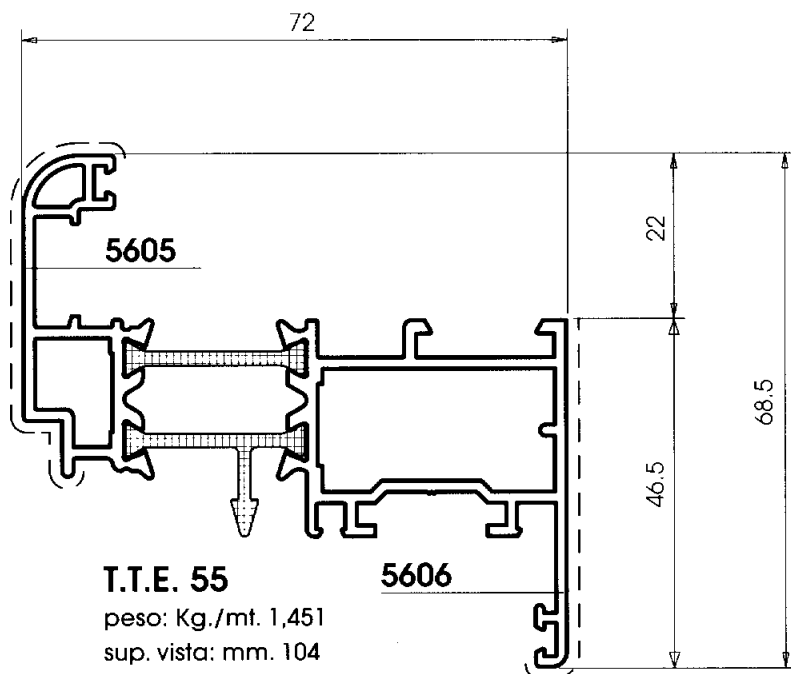
9159

45 A+E
46 A+E
47 A+D
48 A+D
49 A+C
50 A+C
51 A+B

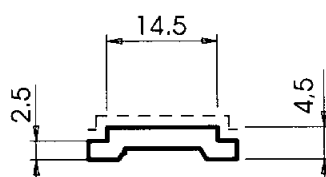
4



4293

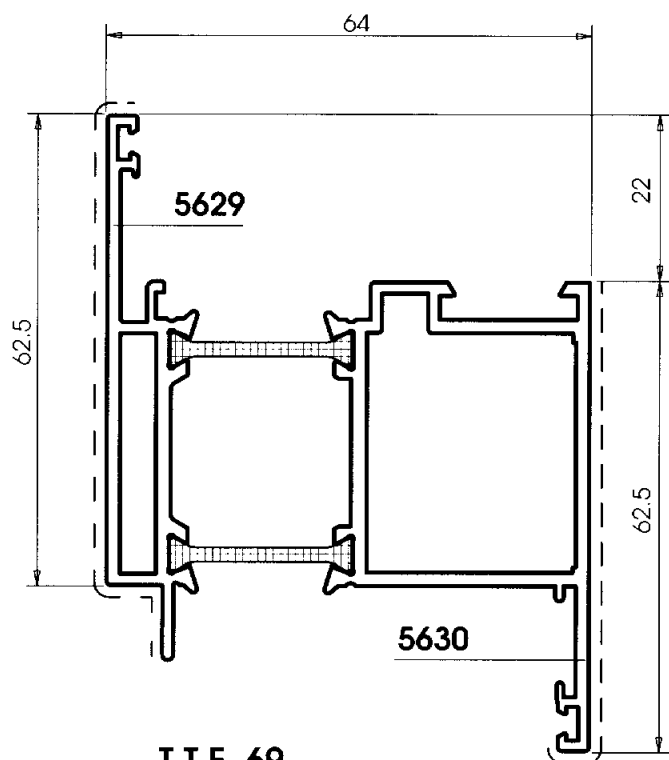


5767
 peso: Kg./mt. 0.190
 sup. vista: mm. 23



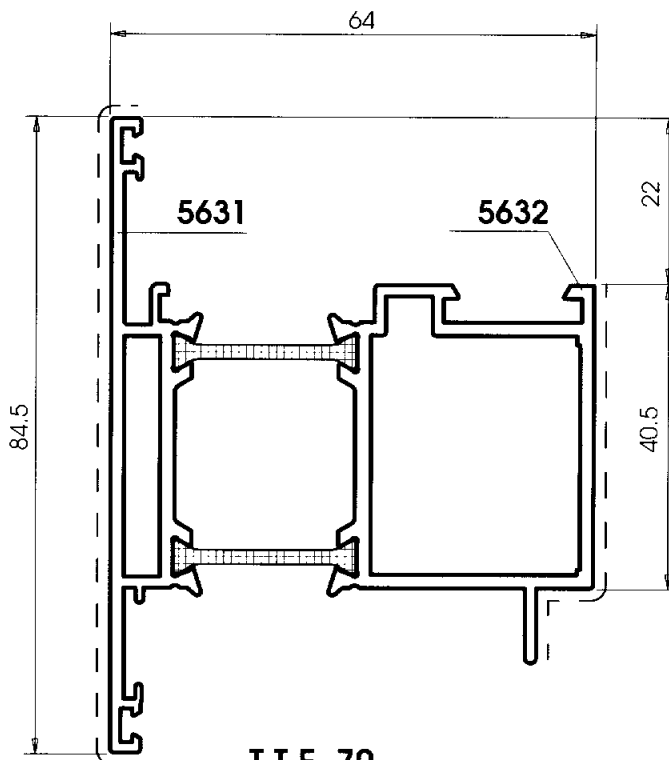
6405
 peso: Kg./mt. 0.160
 sup. vista: mm. 14.5

T.T.E.83
 peso: Kg./mt. 1.320
 sup. vista: mm. 200



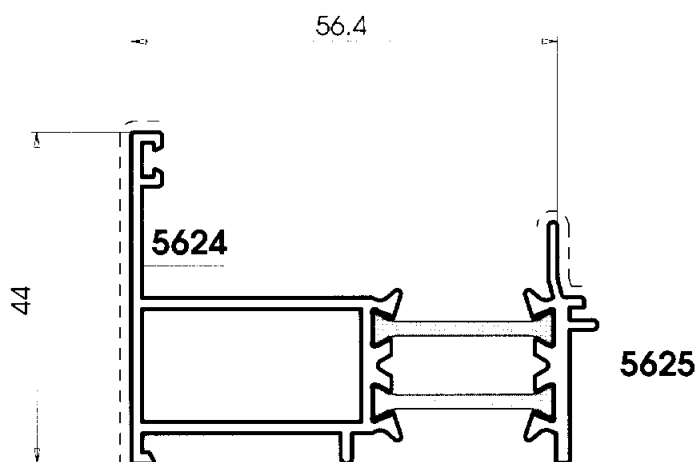
T.T.E. 69

peso: Kg./mt. 1,727
 sup. vista: mm. 150



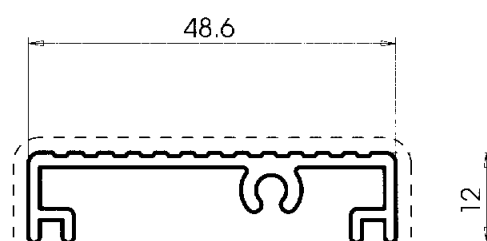
T.T.E. 70

peso: Kg./mt. 1,727
 sup. vista: mm. 150



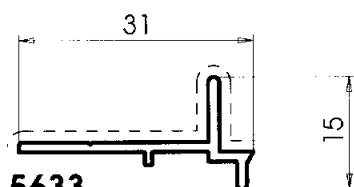
T.T.E. 66

peso: Kg./mt. 0,965
 sup. vista: mm. 62



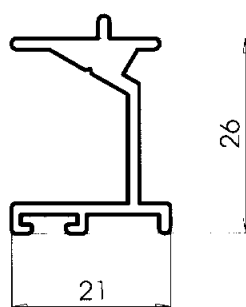
6010

peso: Kg./mt. 0,443
 sup. vista: mm. 75



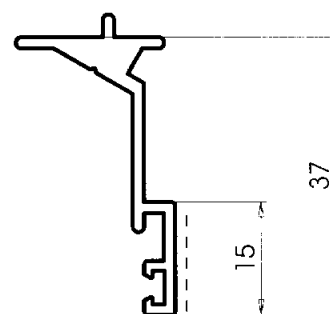
5633

peso: Kg./mt. 0,165
 sup. vista: mm. 50



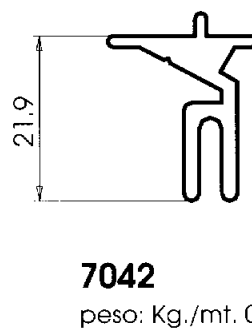
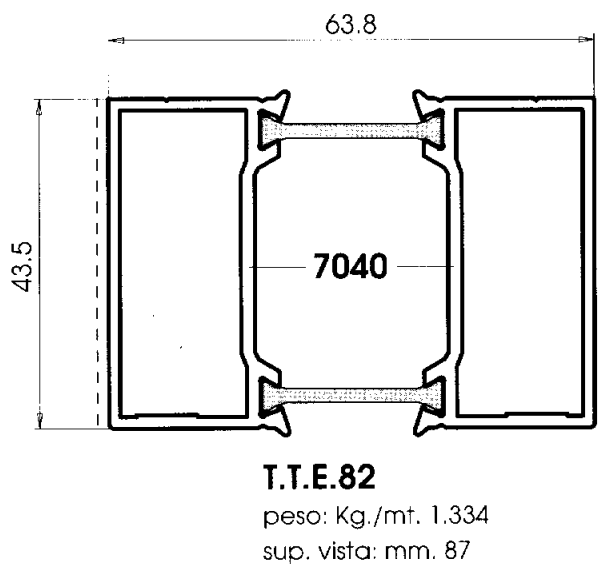
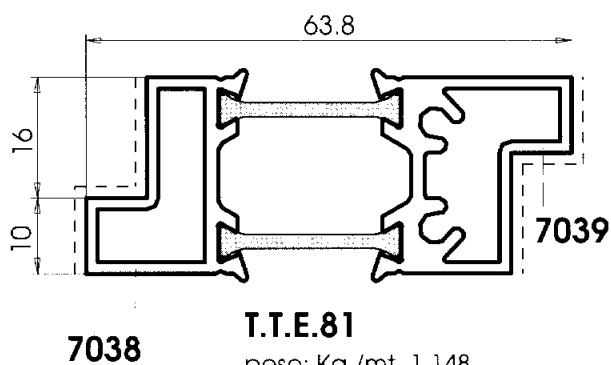
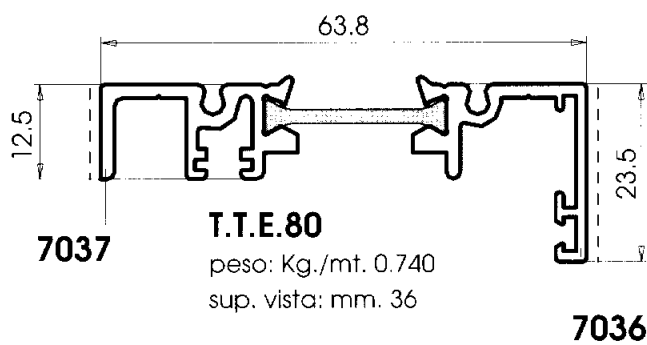
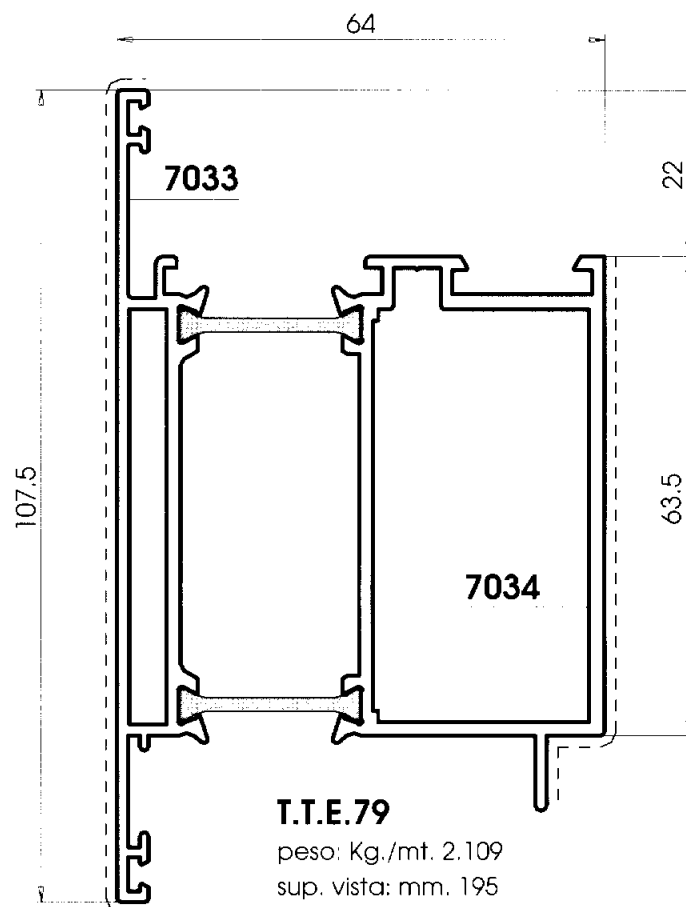
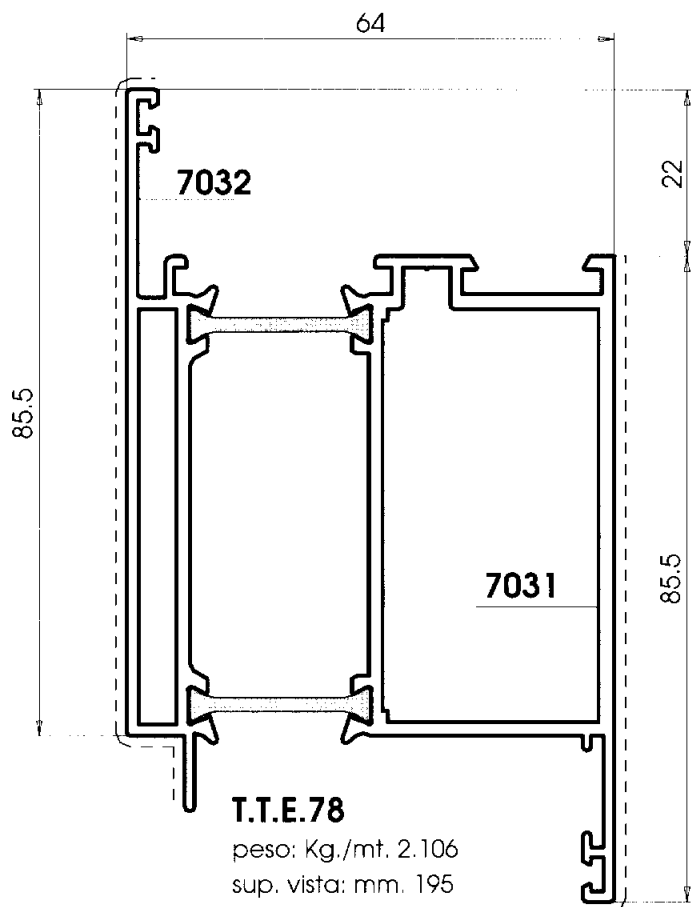
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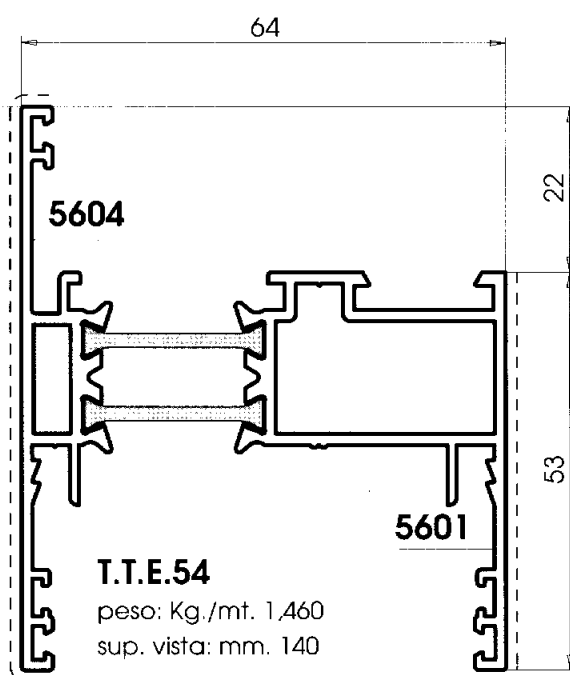
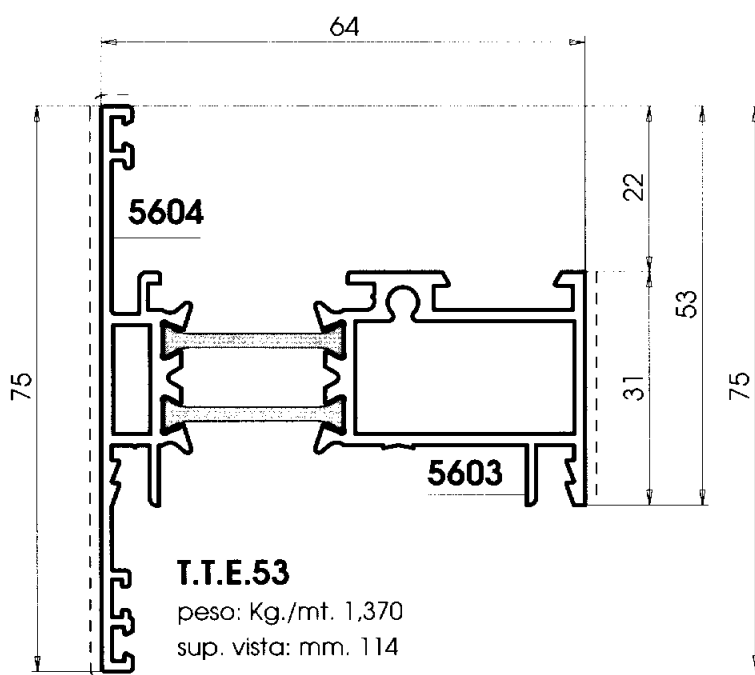
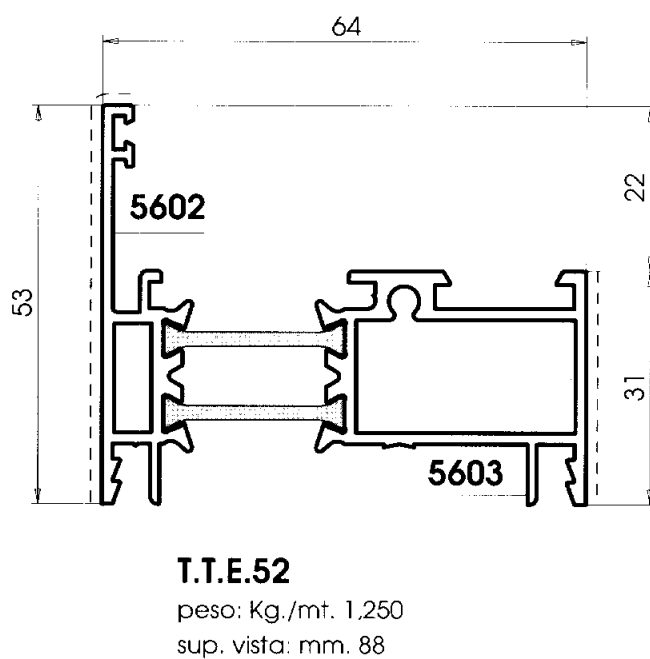
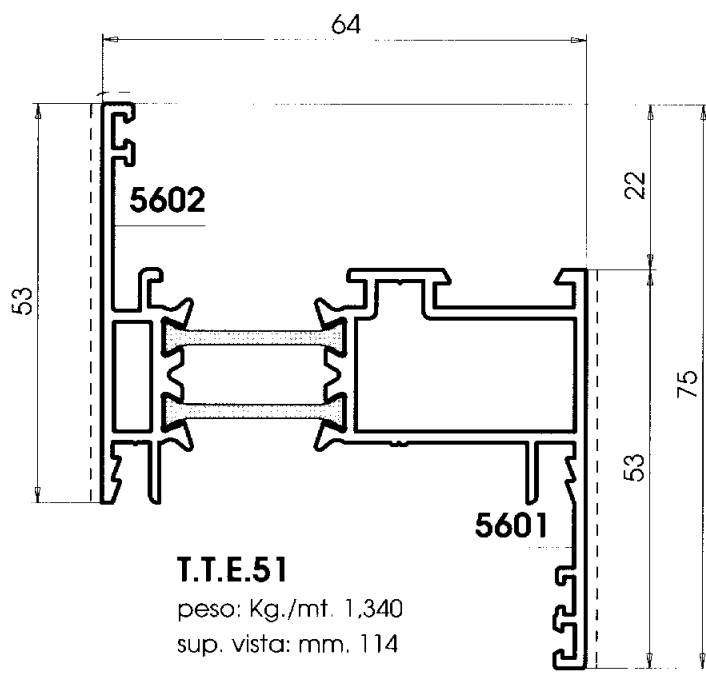
peso: Kg./mt. 0,360

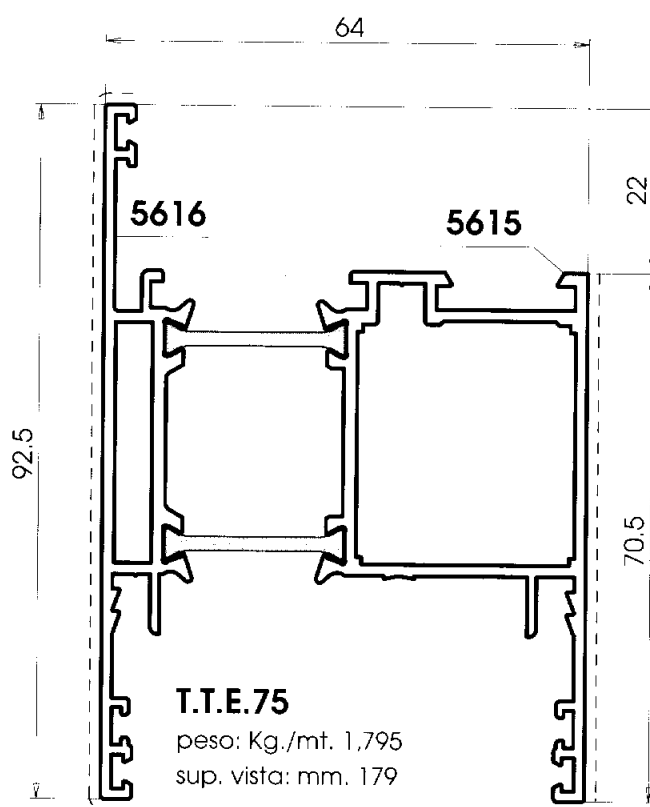
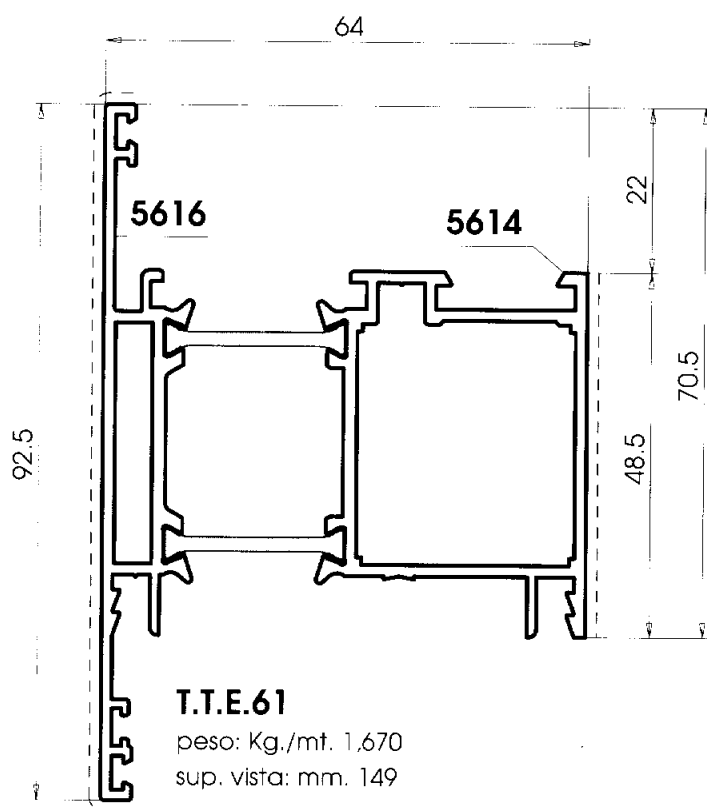
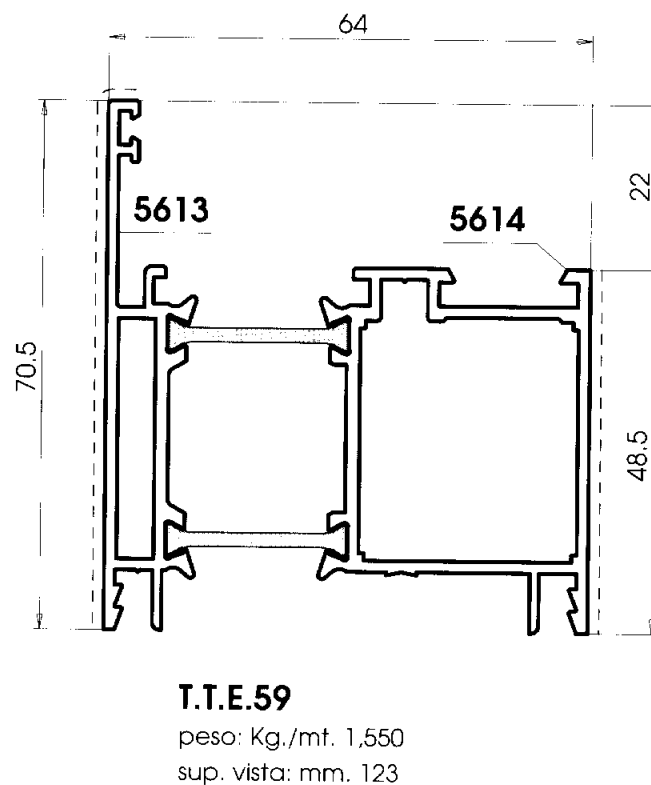
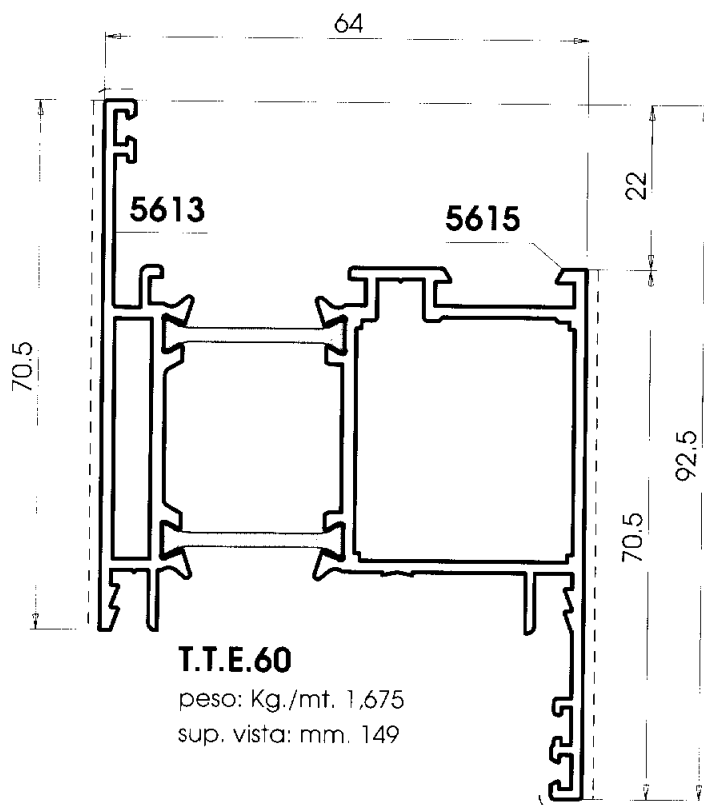


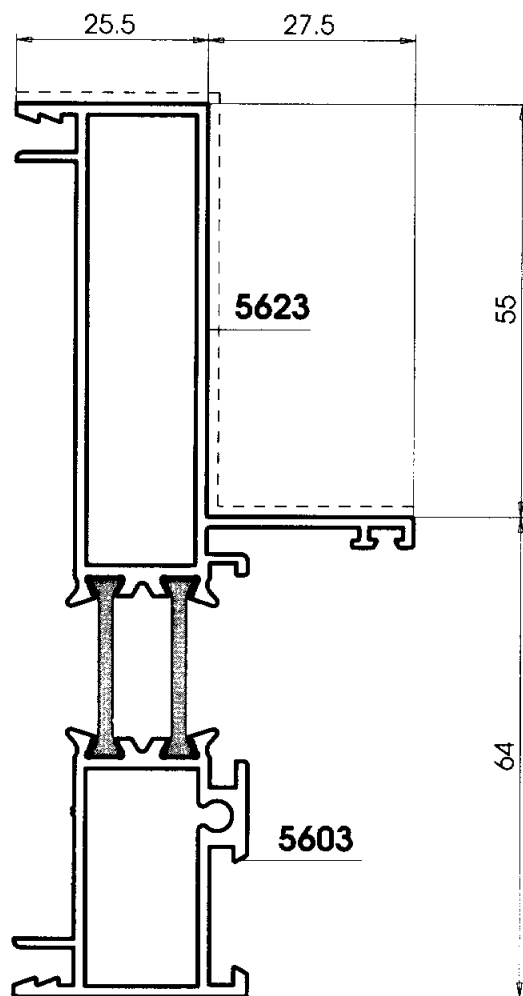
6008

peso: Kg./mt. 0,350
 sup. vista: mm. 15



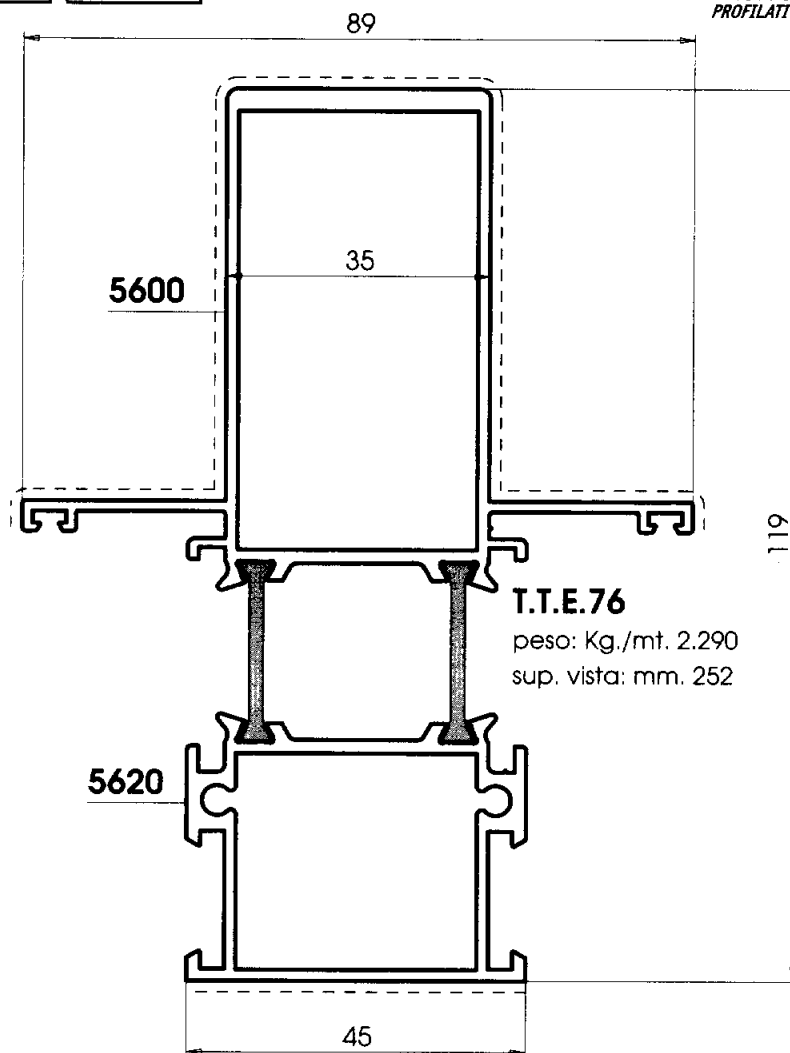






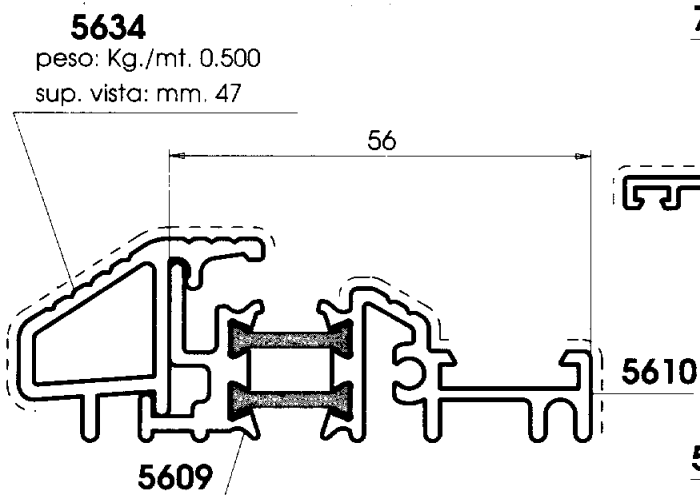
T.T.E.65

peso: Kg./mt. 1.690
 sup. vista: mm. 139



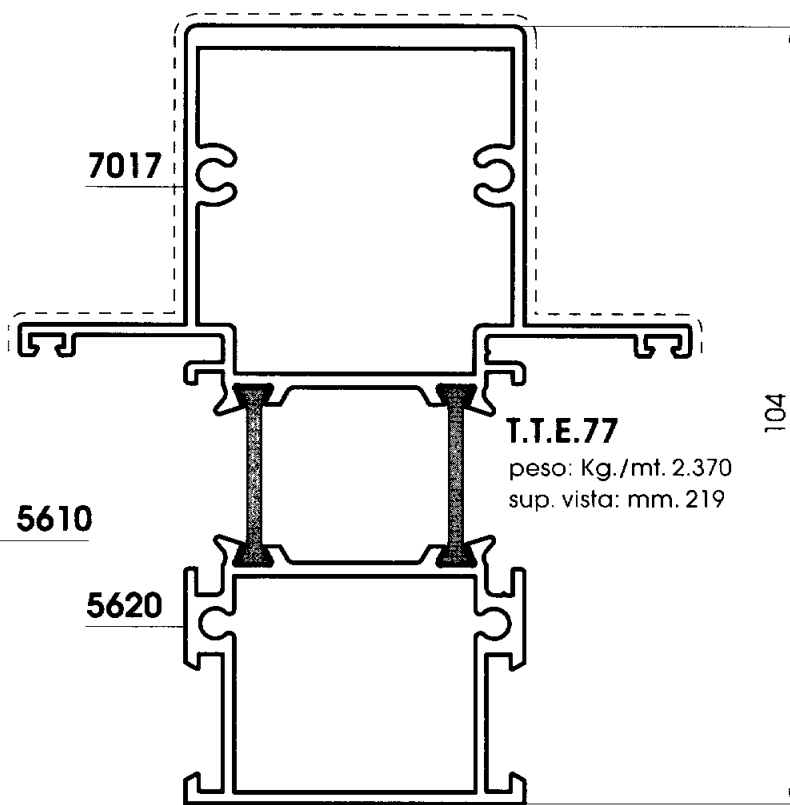
T.T.E.76

peso: Kg./mt. 2.290
 sup. vista: mm. 252



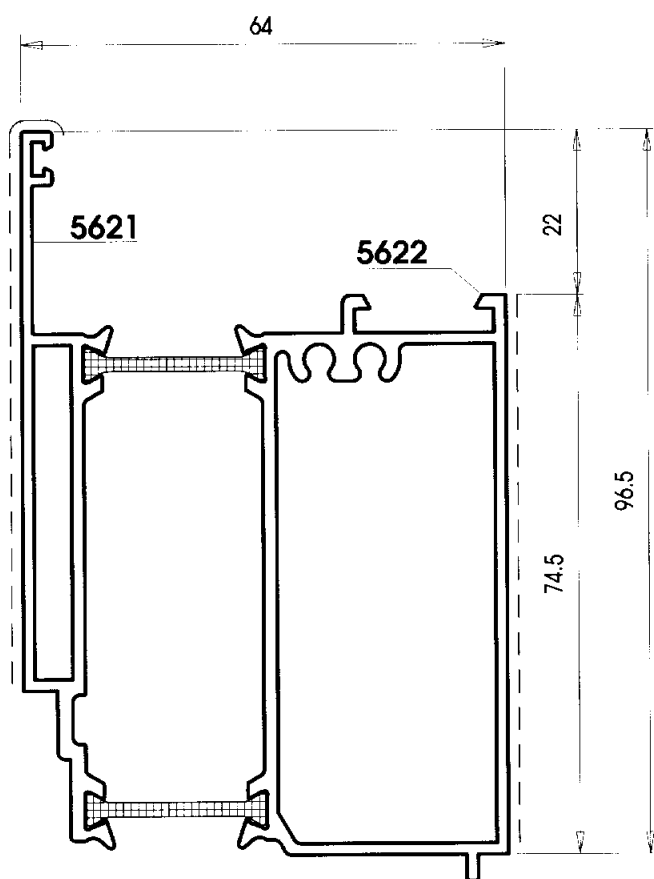
T.T.E.07

peso: Kg./mt. 0.970
 sup. vista: mm. 32



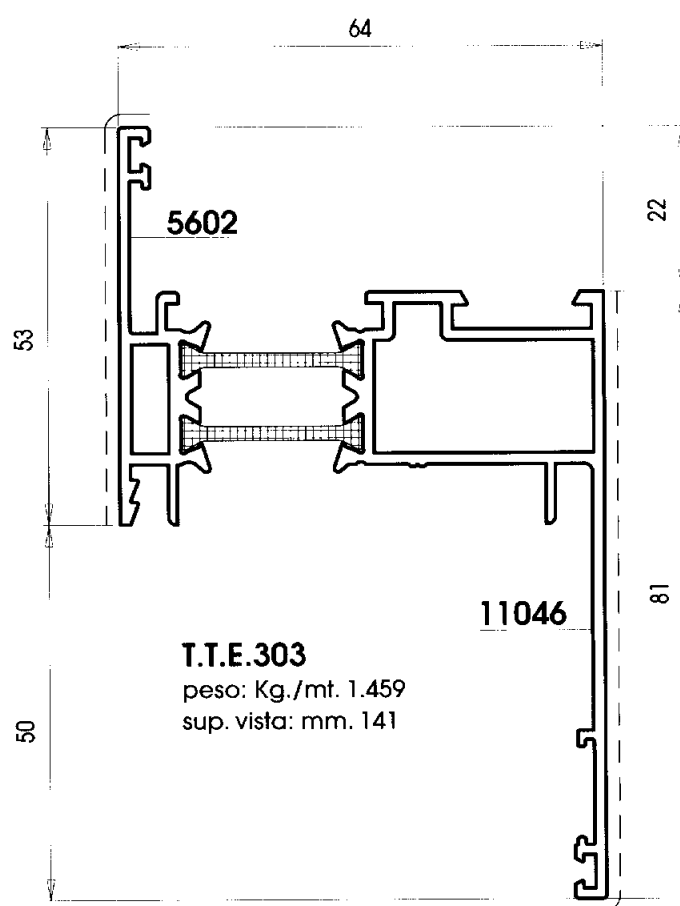
T.T.E.77

peso: Kg./mt. 2.370
 sup. vista: mm. 219



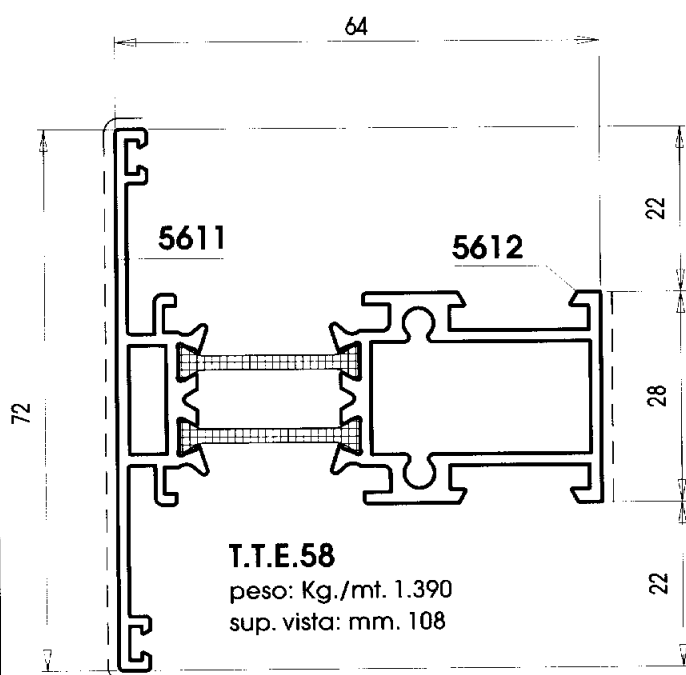
T.T.E.64

peso: Kg./mt. 1.984
sup. vista: mm. 148



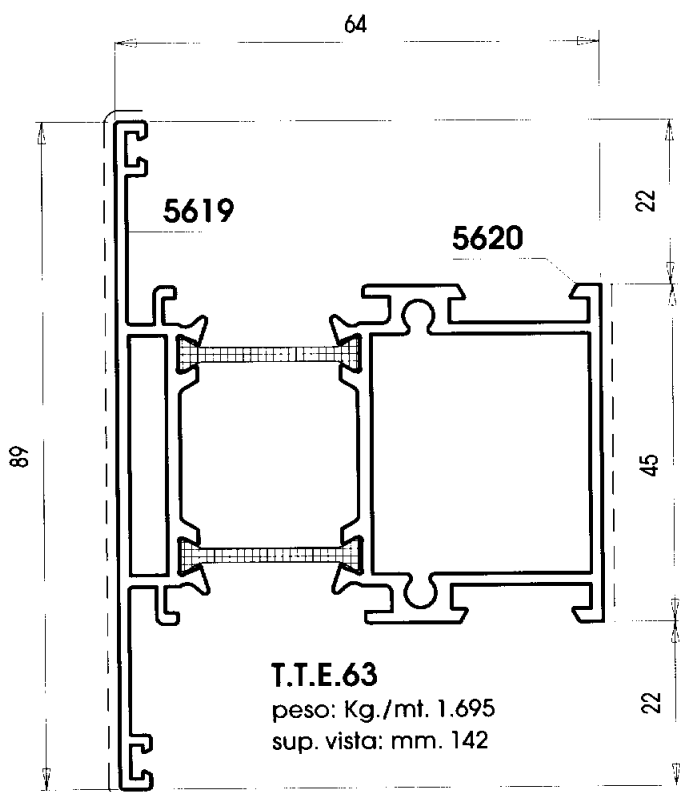
T.T.E.303

peso: Kg./mt. 1.459
sup. vista: mm. 141



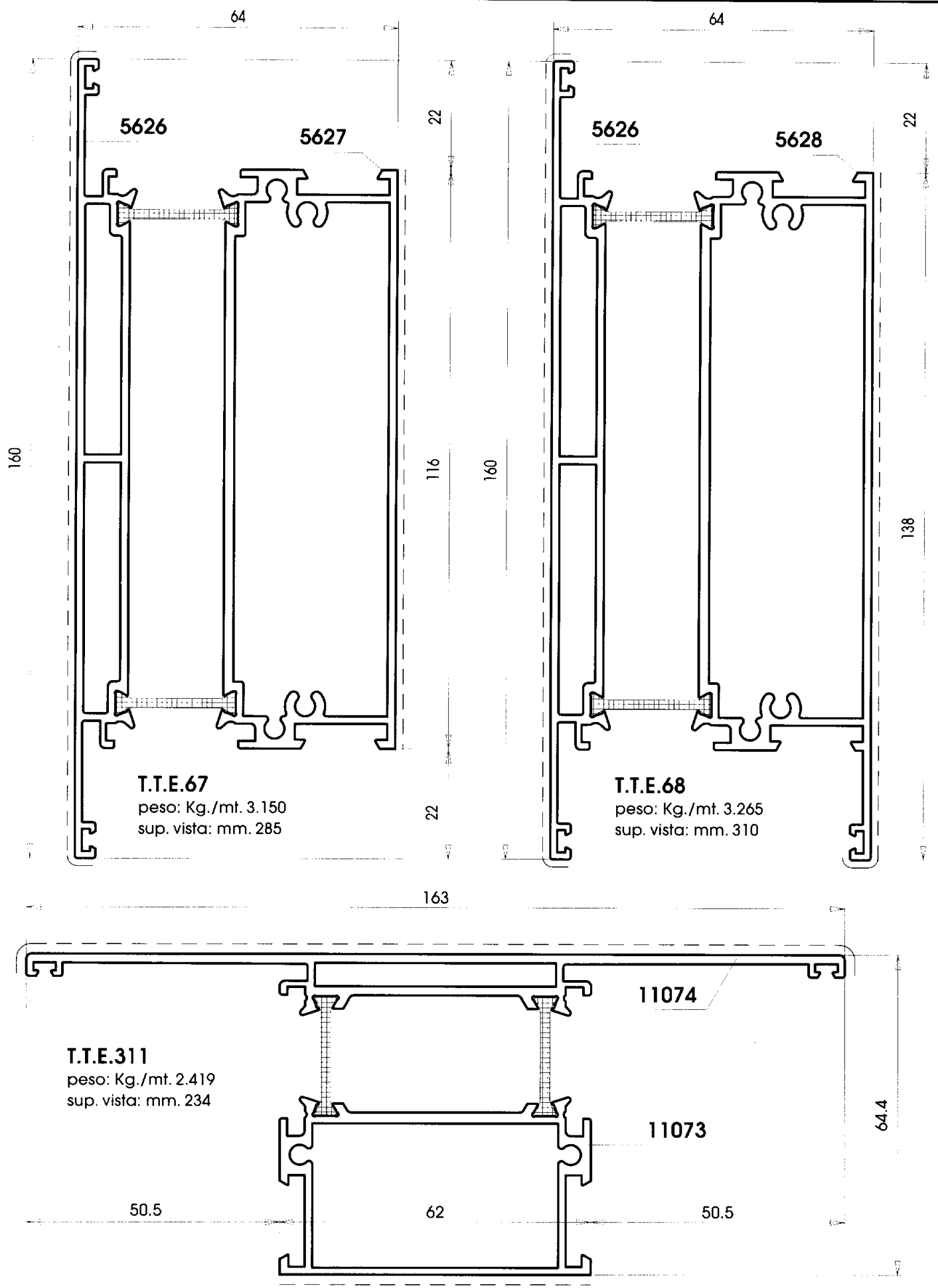
T.T.E.58

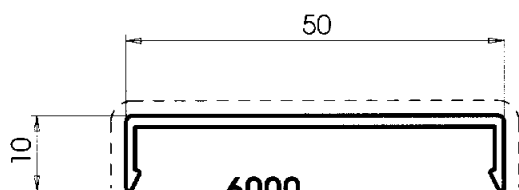
peso: Kg./mt. 1.390
sup. vista: mm. 108



T.T.E.63

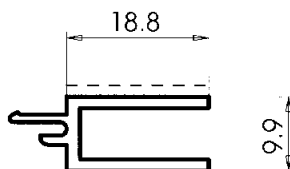
peso: Kg./mt. 1.695
sup. vista: mm. 142





6000

peso: Kg./mt. 0.260
 sup. vista: mm. 70



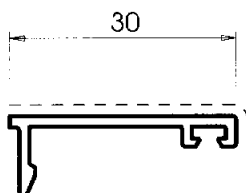
6005

peso: Kg./mt. 0.218
 sup. vista: mm. 19



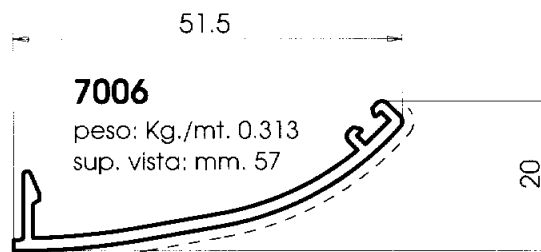
7028

peso: Kg./mt. 0.467



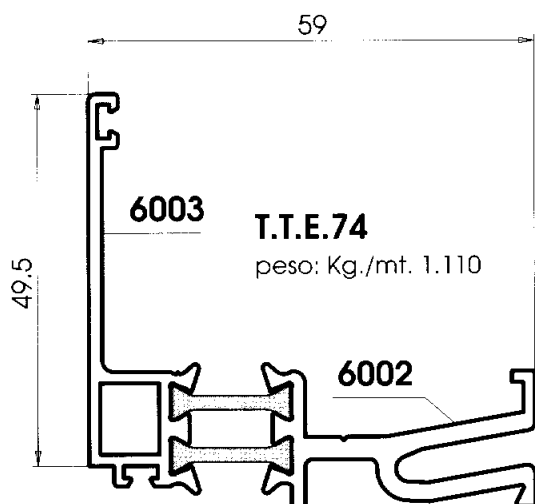
7020

peso: Kg./mt. 0.174
 sup. vista: mm. 35



7006

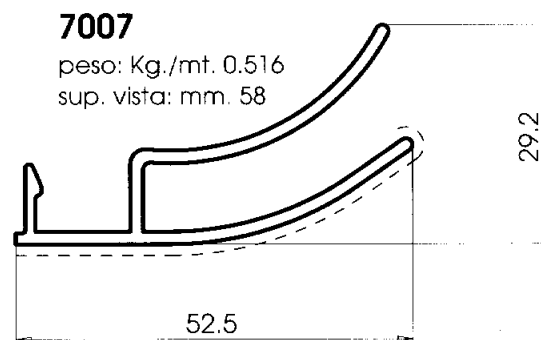
peso: Kg./mt. 0.313
 sup. vista: mm. 57



6003

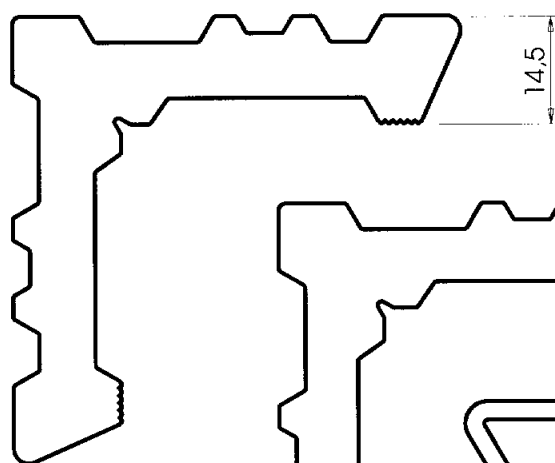
T.T.E.74

peso: Kg./mt. 1.110



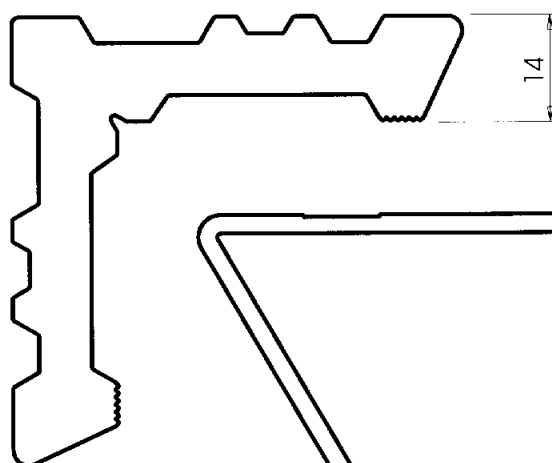
7007

peso: Kg./mt. 0.516
 sup. vista: mm. 58



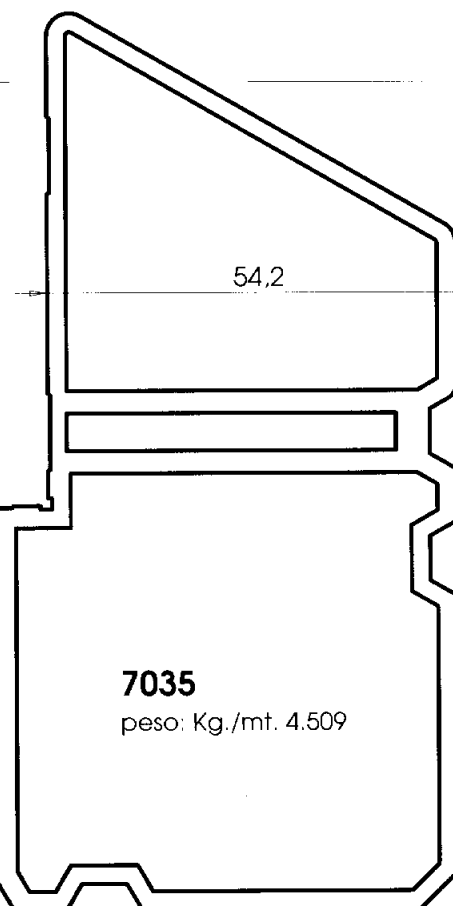
9026

peso: Kg./mt. 2.889



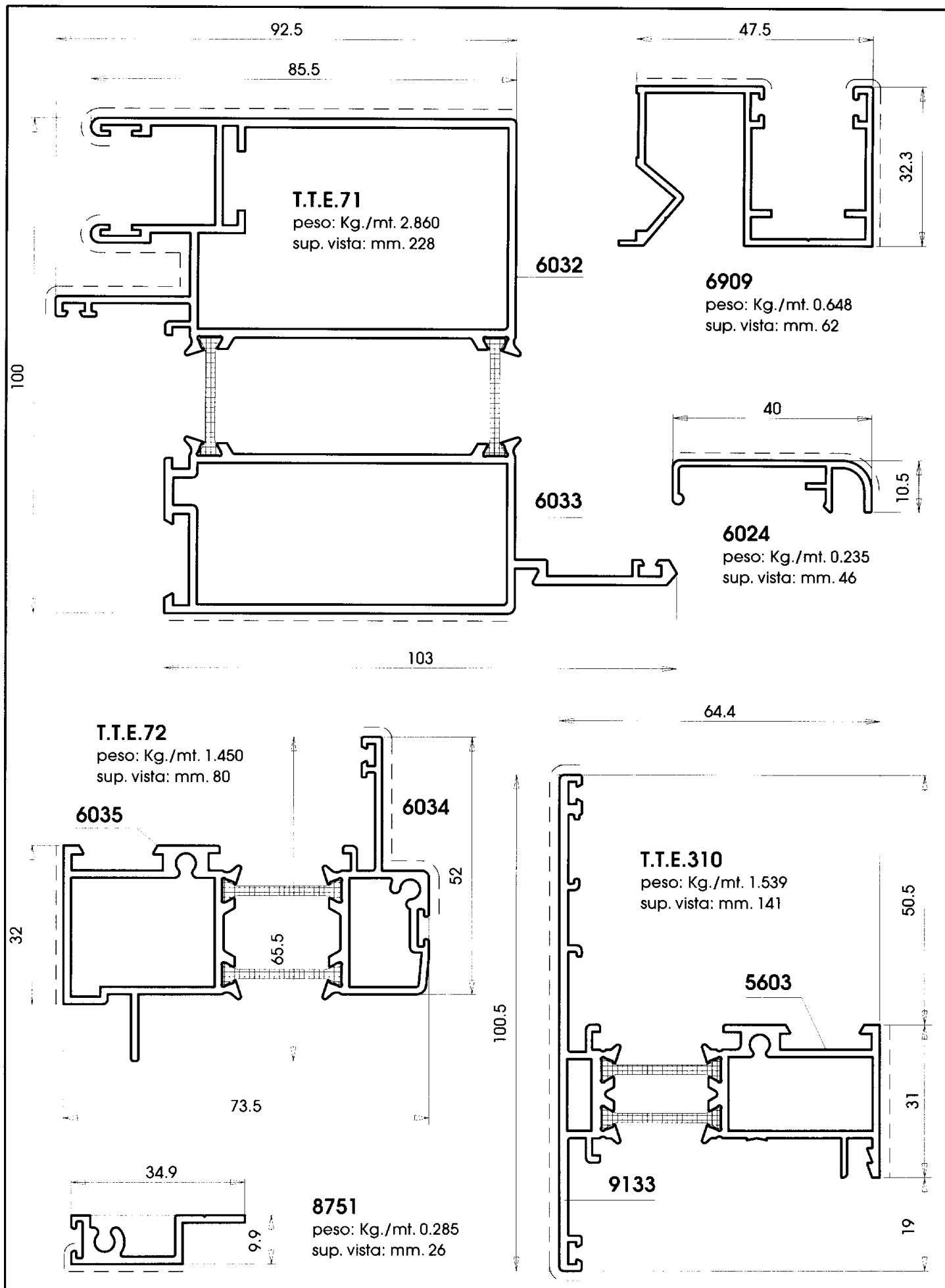
9043

peso: Kg./mt. 2.773



7035

peso: Kg./mt. 4.509



161.8

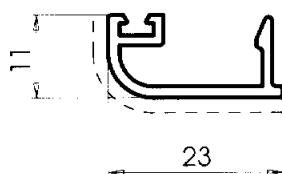
6013

peso: Kg./mt. 1.183
 sup. vista: mm. 202

6014

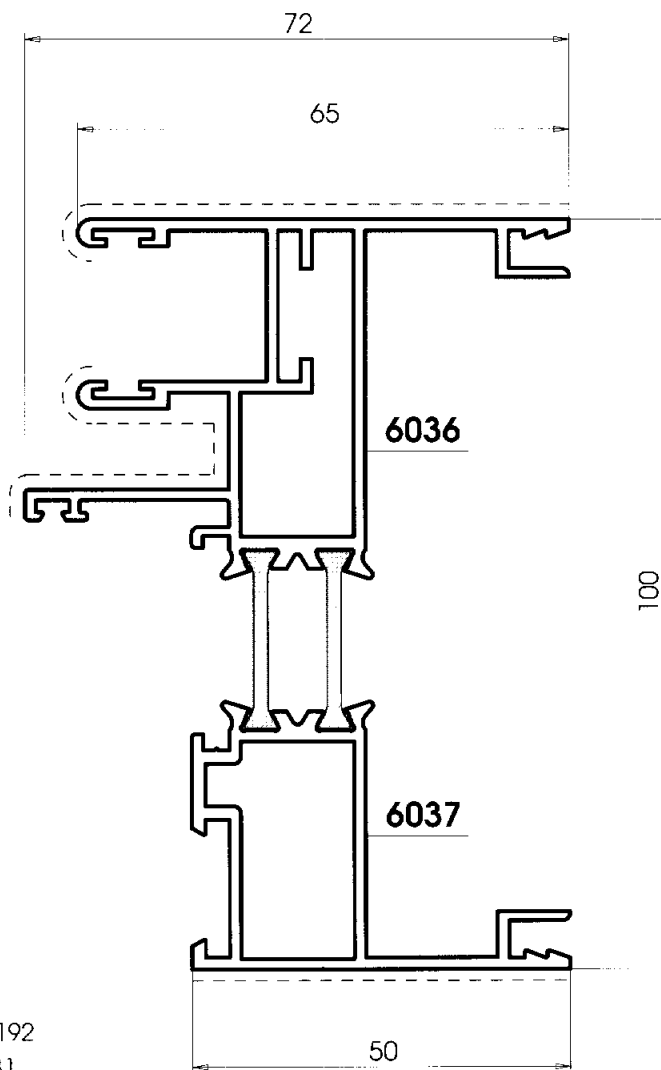
peso: Kg./mt. 1.019
 sup. vista: mm. 217

215



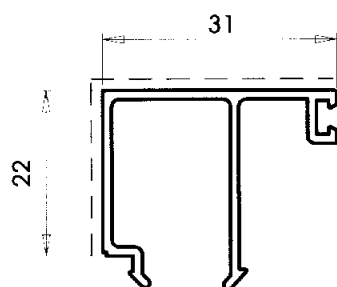
7005

peso: Kg./mt. 0.192
 sup. vista: mm. 31



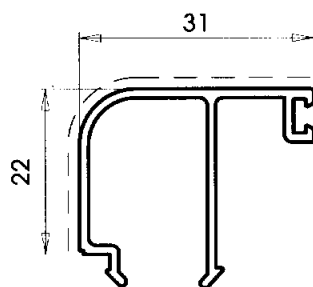
T.T.E.73

peso: Kg./mt. 2.020
 sup. vista: mm. 187



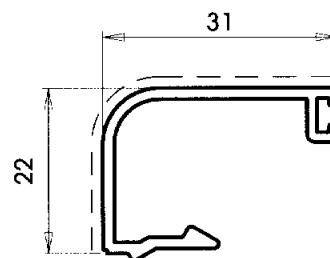
4297

peso: Kg./mt. 0.329
 sup. vista: mm. 53



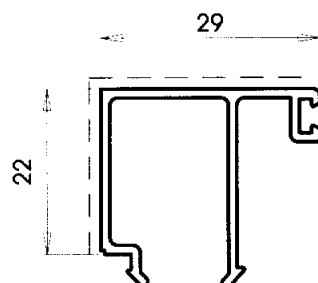
4196

peso: Kg./mt. 0.319
 sup. vista: mm. 49



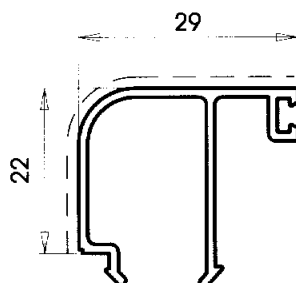
4197

peso: Kg./mt. 0.297
 sup. vista: mm. 48



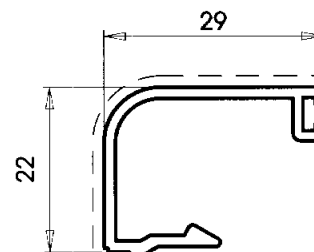
9040

peso: Kg./mt. 0.321
 sup. vista: mm. 51



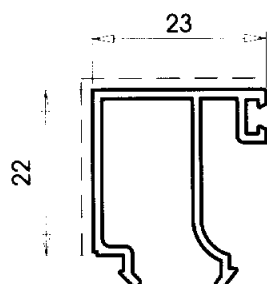
9041

peso: Kg./mt. 0.311
 sup. vista: mm. 49



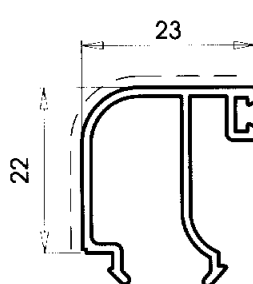
9042

peso: Kg./mt. 0.289
 sup. vista: mm. 47



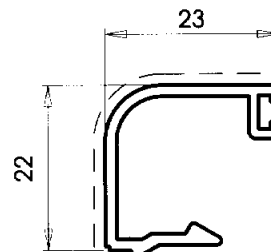
4298

peso: Kg./mt. 0.305
 sup. vista: mm. 45



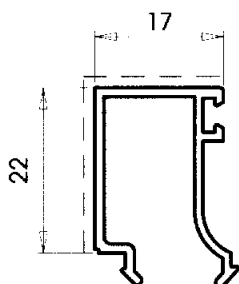
4195

peso: Kg./mt. 0.292
 sup. vista: mm. 44



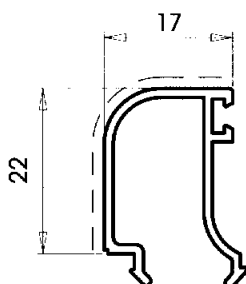
4292

peso: Kg./mt. 0.264
 sup. vista: mm. 40



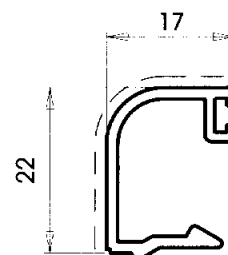
4296

peso: Kg./mt. 0.265
 sup. vista: mm. 39



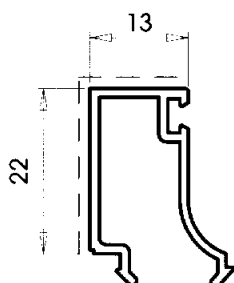
4299

peso: Kg./mt. 0.254
 sup. vista: mm. 35



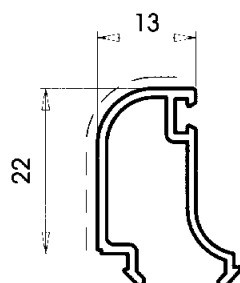
4291

peso: Kg./mt. 0.240
 sup. vista: mm. 34



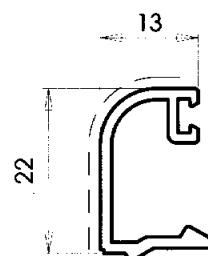
4294

peso: Kg./mt. 0.254
 sup. vista: mm. 35



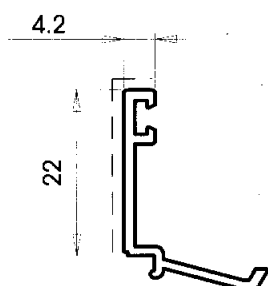
4295

peso: Kg./mt. 0.243
 sup. vista: mm. 30



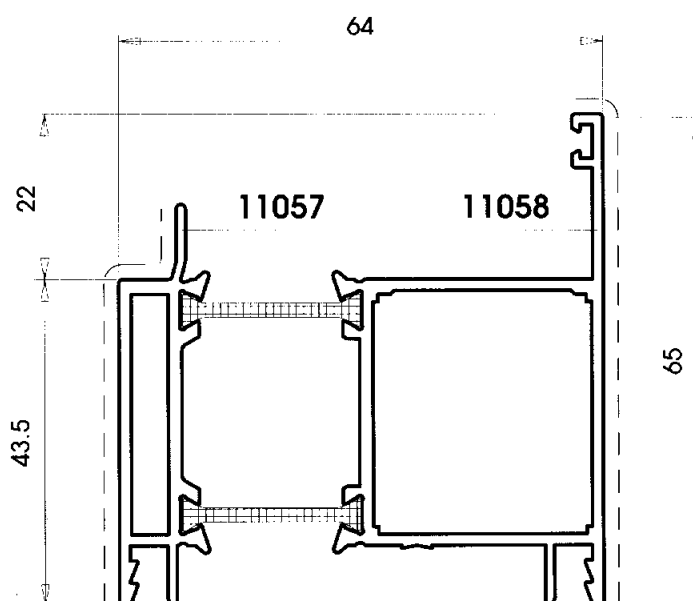
4290

peso: Kg./mt. 0.224
 sup. vista: mm. 30



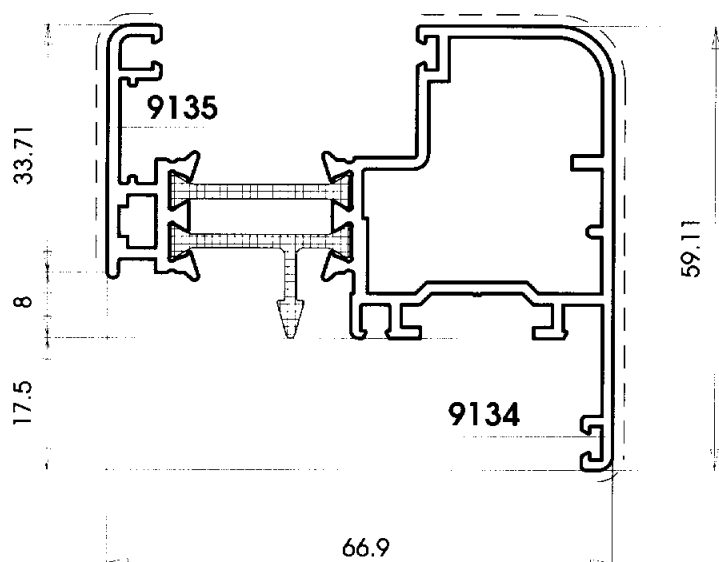
4293

peso: Kg./mt. 0.183
 sup. vista: mm. 26



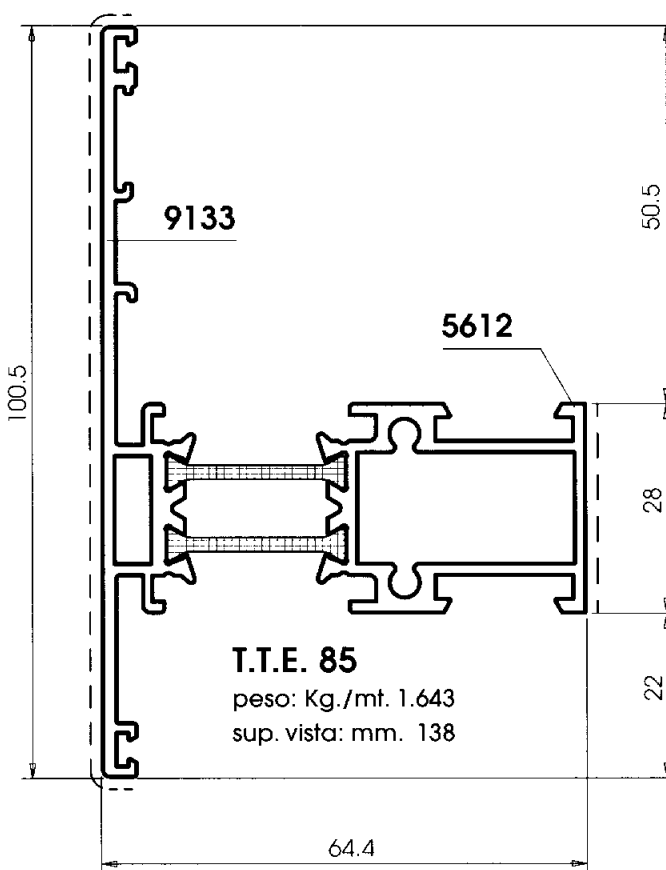
T.T.E.305

peso: Kg./mt. 1.452
 sup. vista: mm. 130



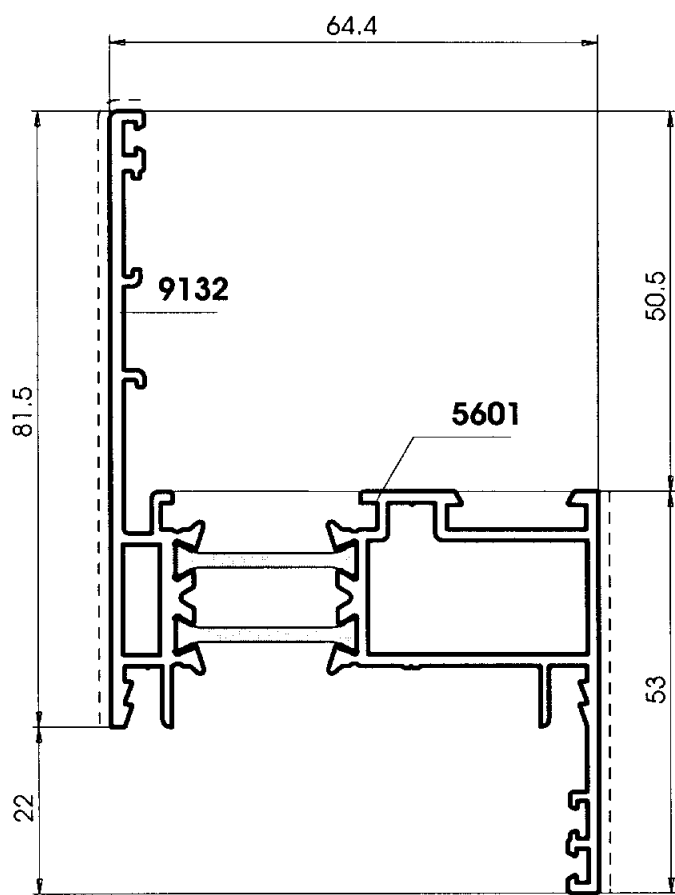
T.T.E.86

peso: Kg./mt. 1.387
sup. vista: mm. 129



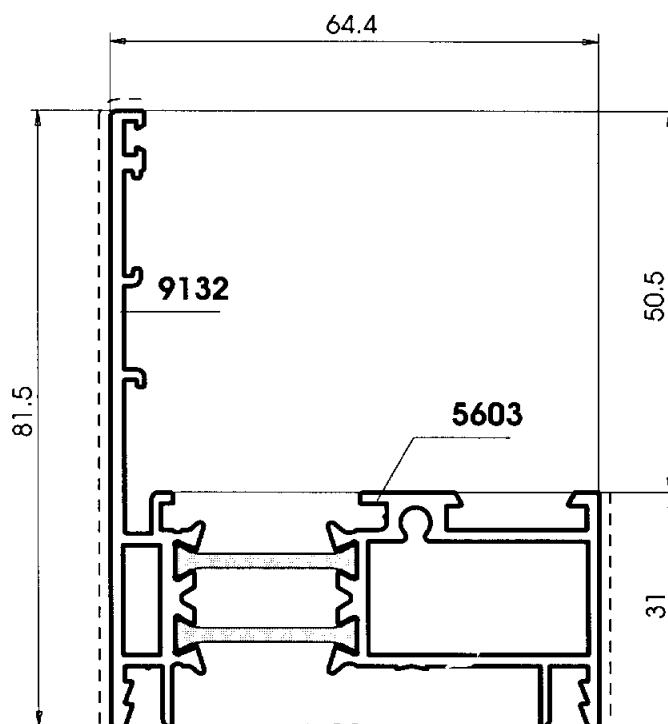
T.T.E. 85

peso: Kg./mt. 1.643
sup. vista: mm. 138



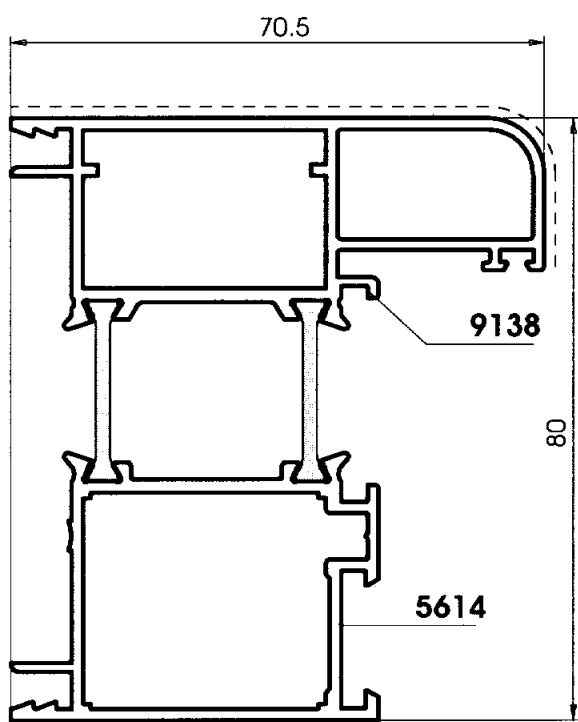
TTE87

peso: Kg./mt. 1.565
sup. vista: mm. 143



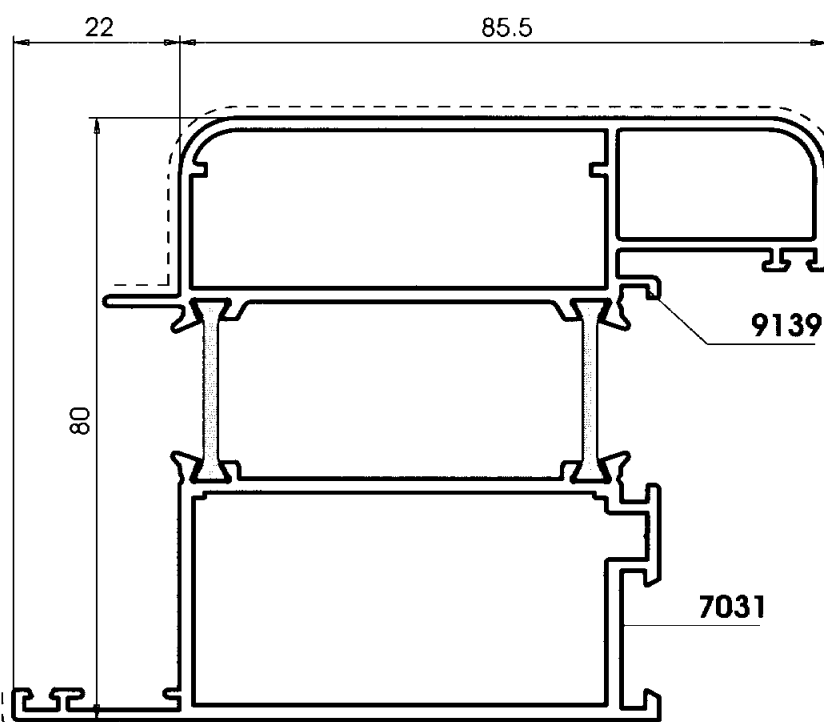
TTE88

peso: Kg./mt. 1.476
sup. vista: mm. 117



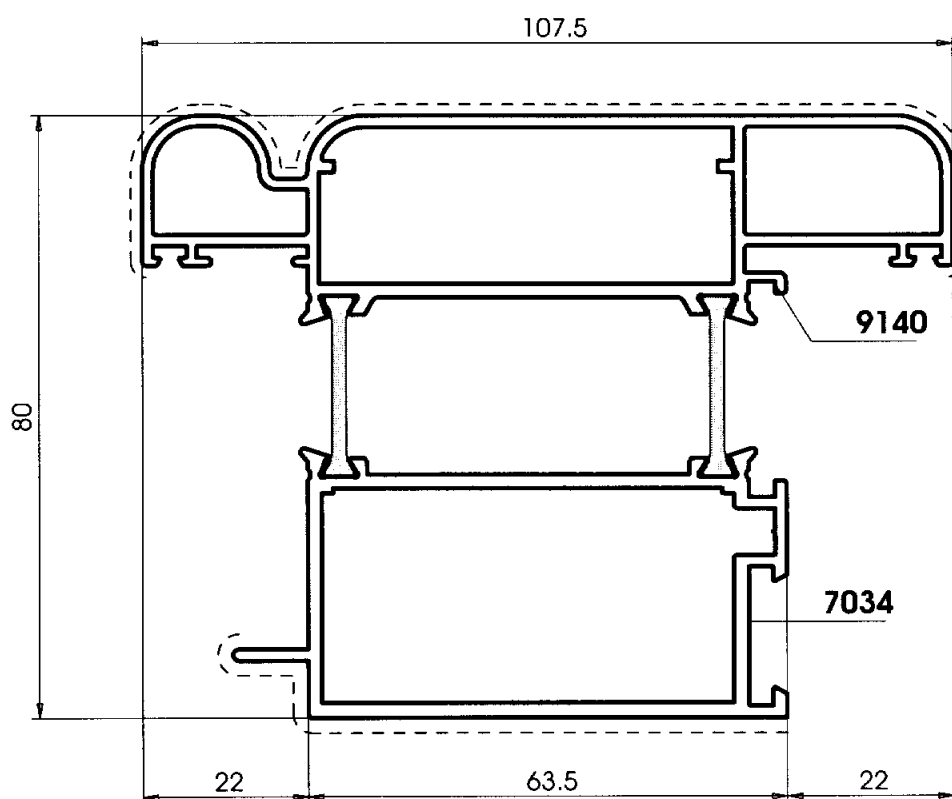
TTE89

peso: Kg./mt. 1.858
sup. vista: mm. 136



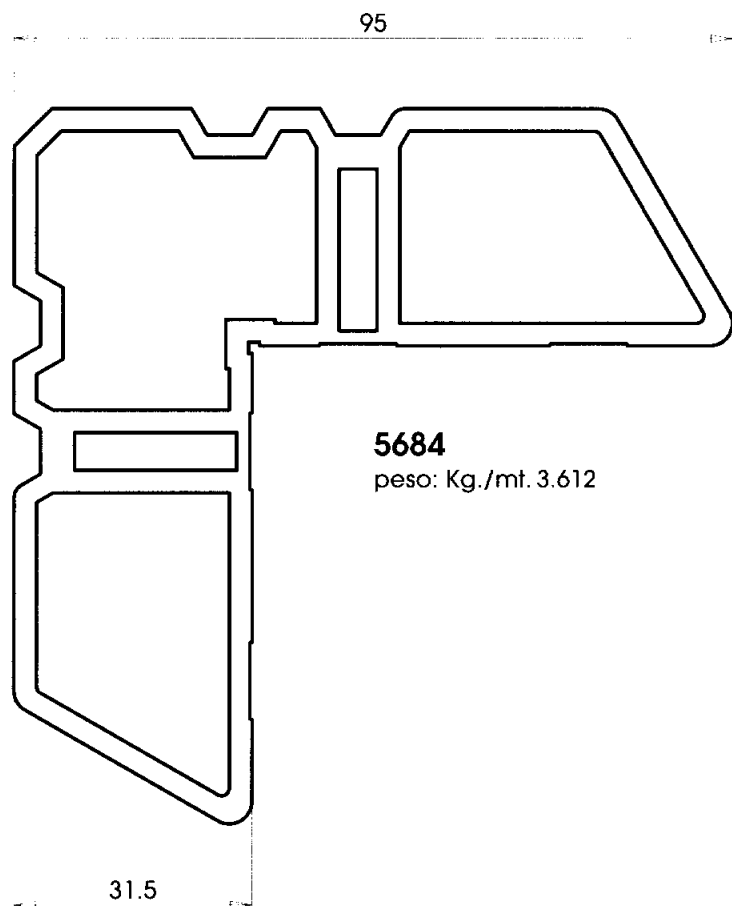
TTE90

peso: Kg./mt. 2.398
sup. vista: mm. 219

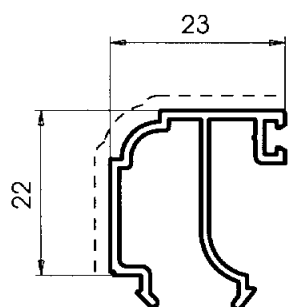


TTE91

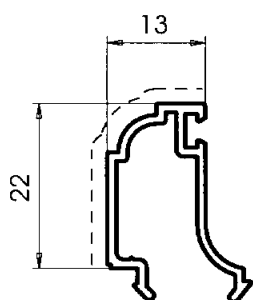
peso: Kg./mt. 2.551
sup. vista: mm. 230



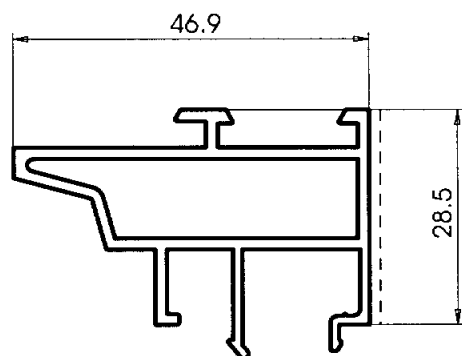
5684
 peso: Kg./mt. 3.612



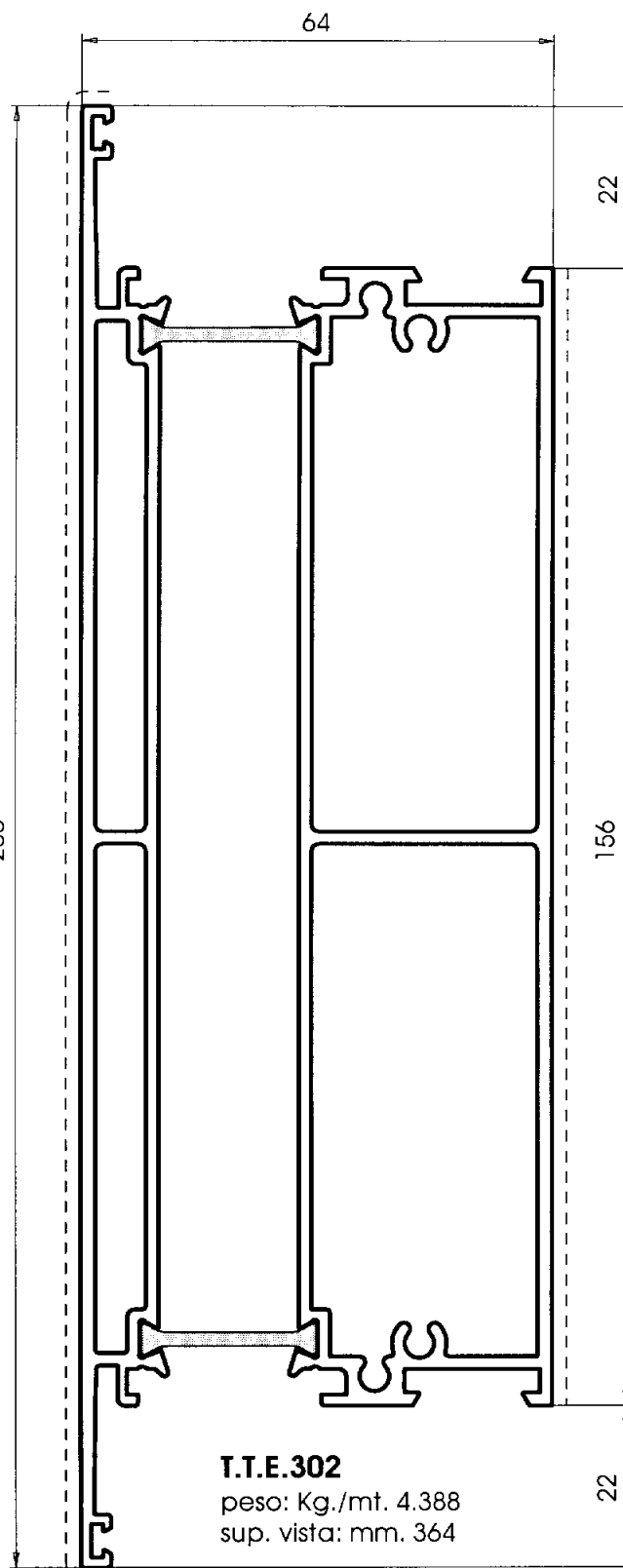
11202
 peso: Kg./mt. 0.281
 sup. vista: mm. 42



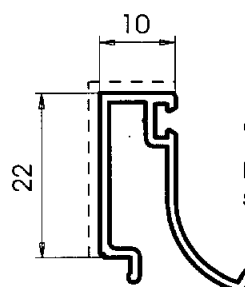
11203
 peso: Kg./mt. 0.232
 sup. vista: mm. 32



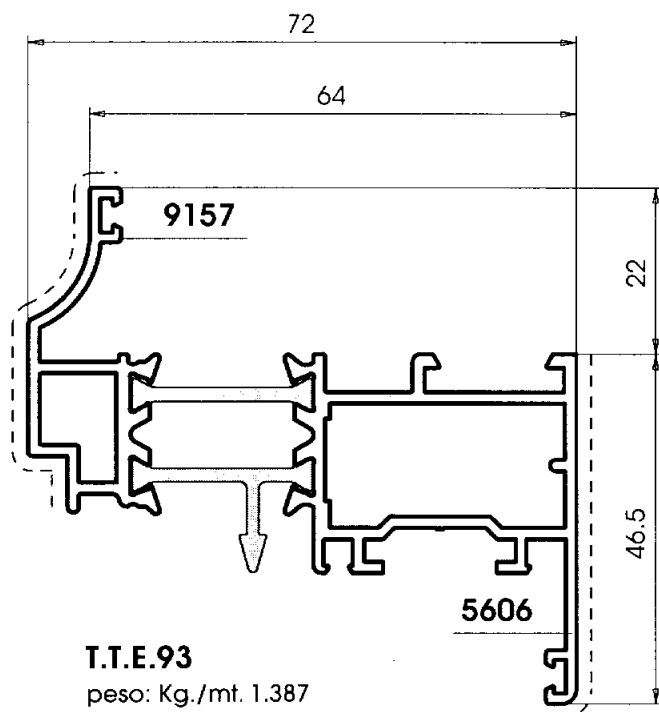
9136
 peso: Kg./mt. 0.678
 sup. vista: mm. 29



T.T.E.302
 peso: Kg./mt. 4.388
 sup. vista: mm. 364

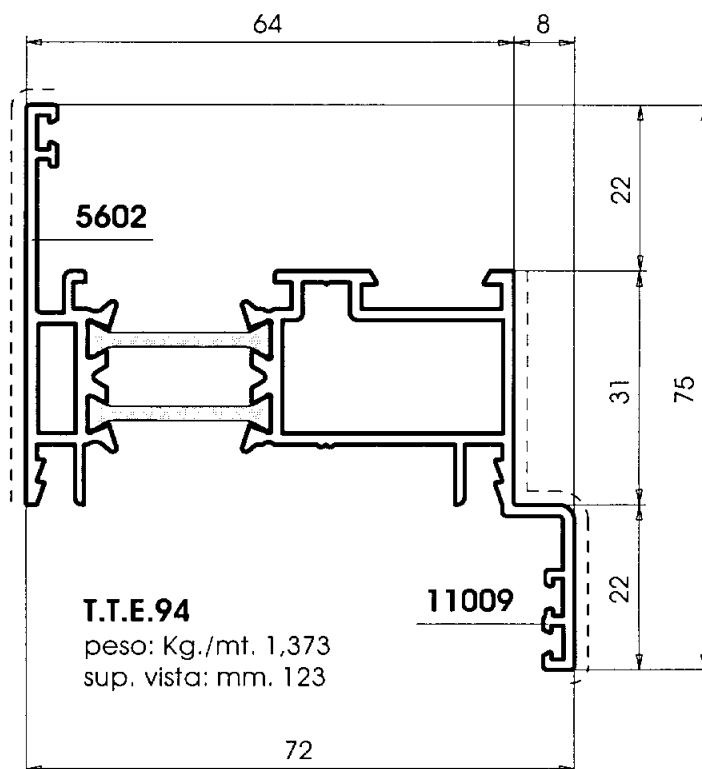


9159
 peso: Kg./mt. 0.249
 sup. vista: mm. 32



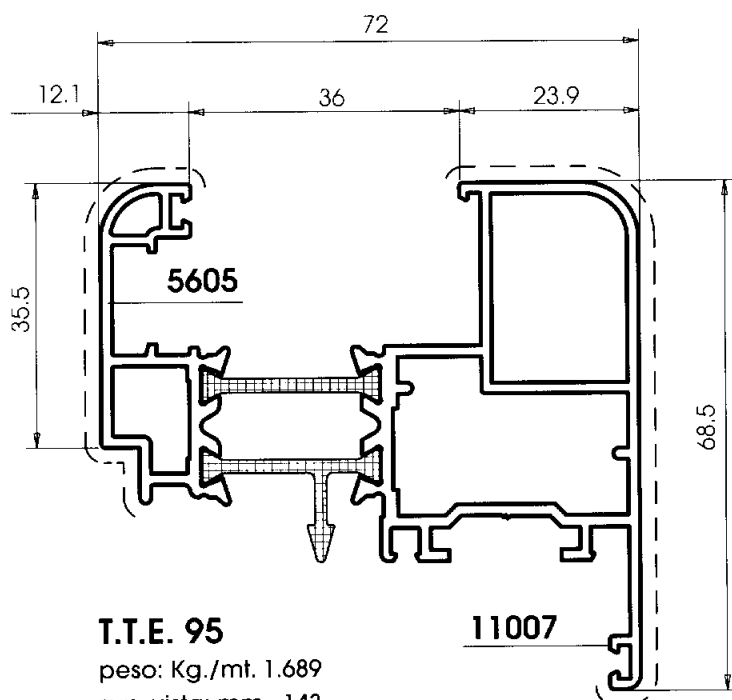
T.T.E.93

peso: Kg./mt. 1.387
sup. vista: mm. 165



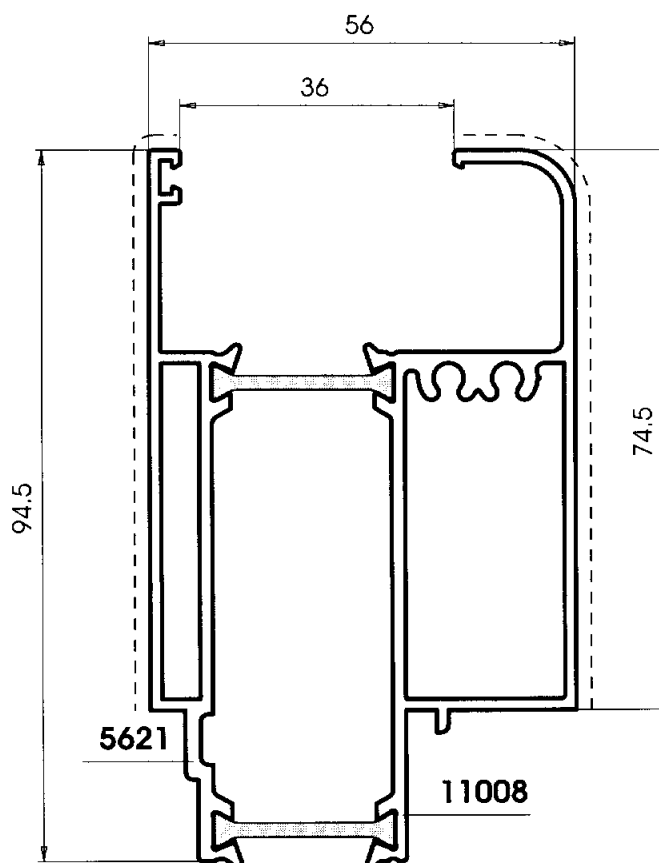
T.T.E.94

peso: Kg./mt. 1,373
sup. vista: mm. 123



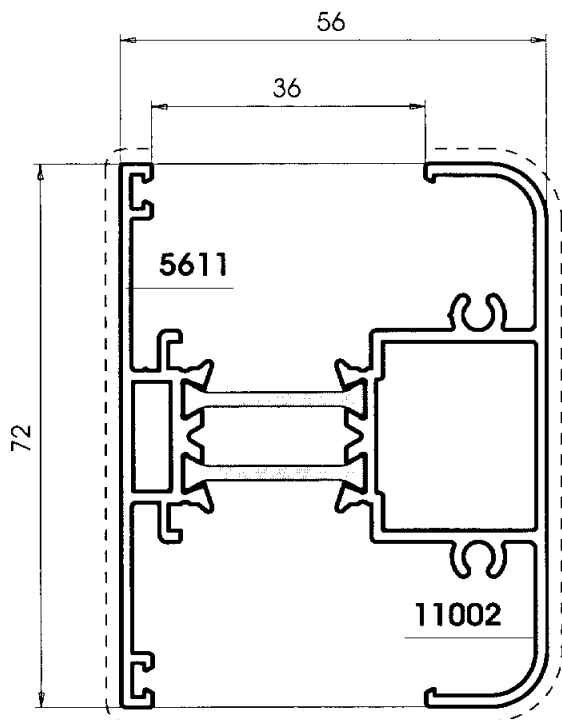
T.T.E. 95

peso: Kg./mt. 1.689
sup. vista: mm. 143



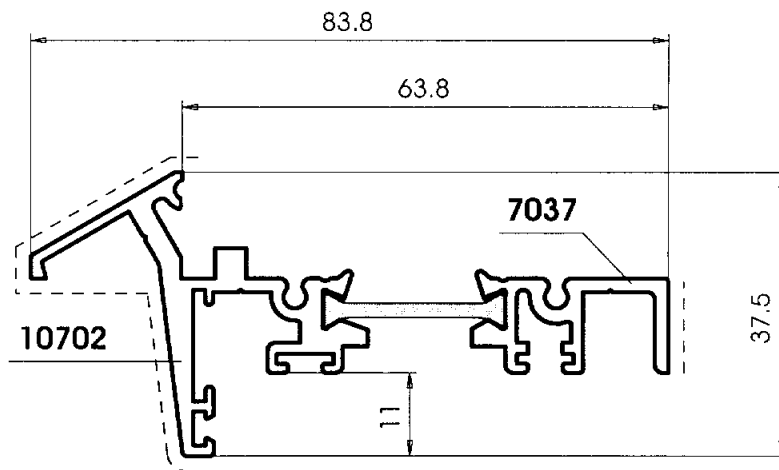
T.T.E.96

peso: Kg./mt. 1,938
sup. vista: mm. 165



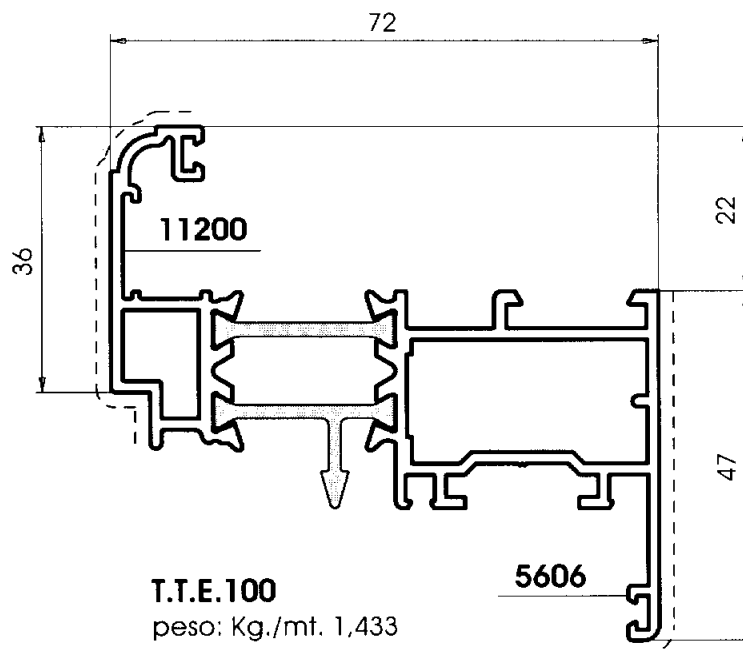
T.T.E.97

peso: Kg./mt. 1,515
sup. vista: mm. 178



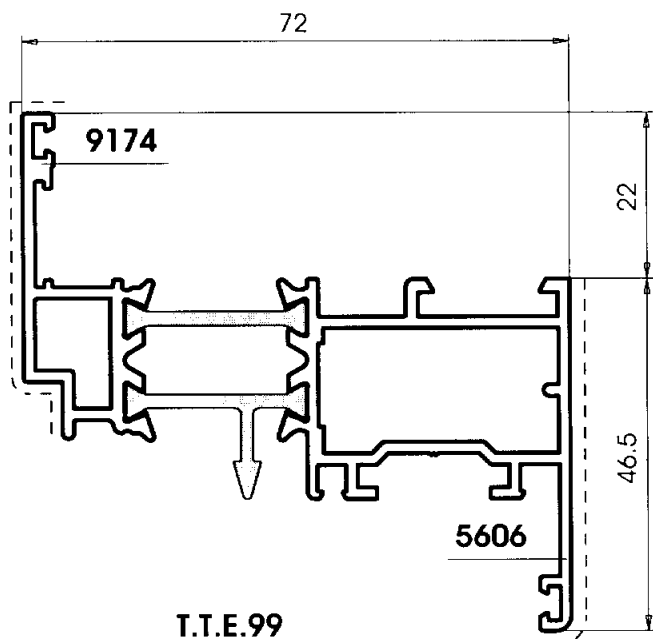
T.T.E.98

peso: Kg./mt. 1,133
sup. vista: mm. 61



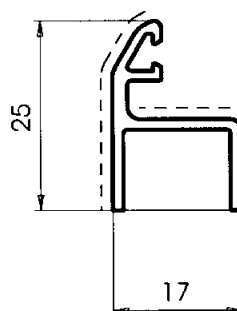
T.T.E.100

peso: Kg./mt. 1,433
sup. vista: mm. 109



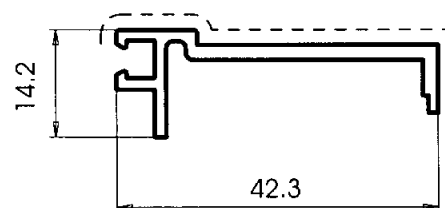
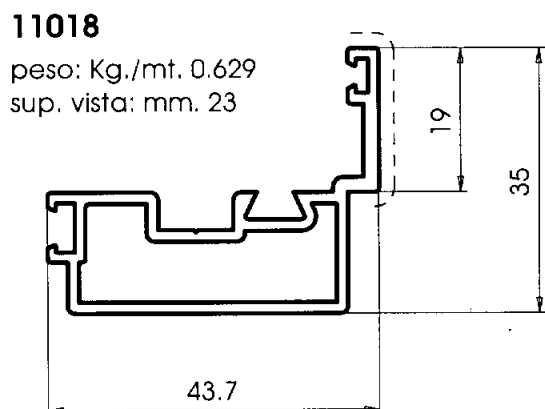
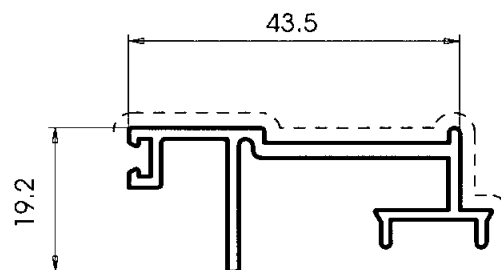
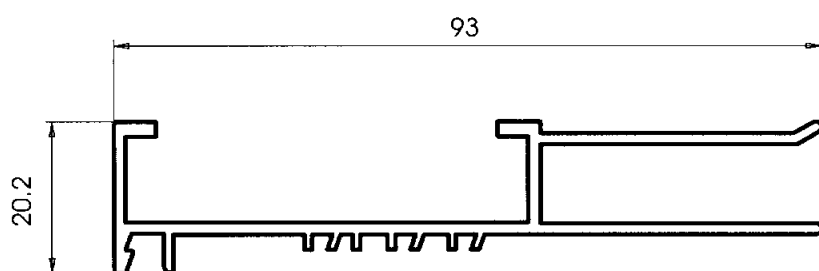
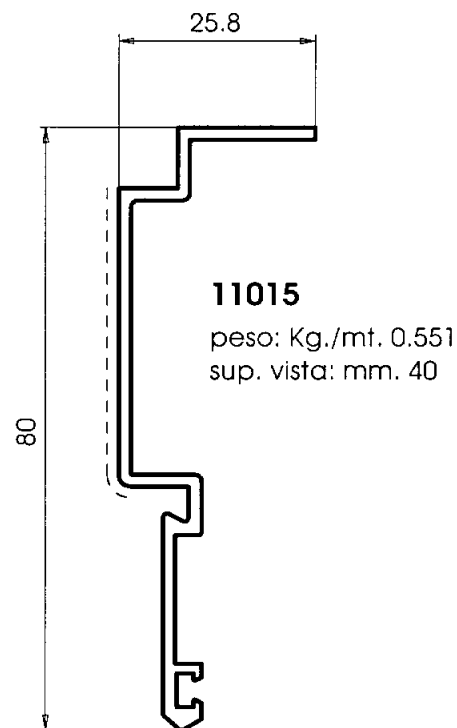
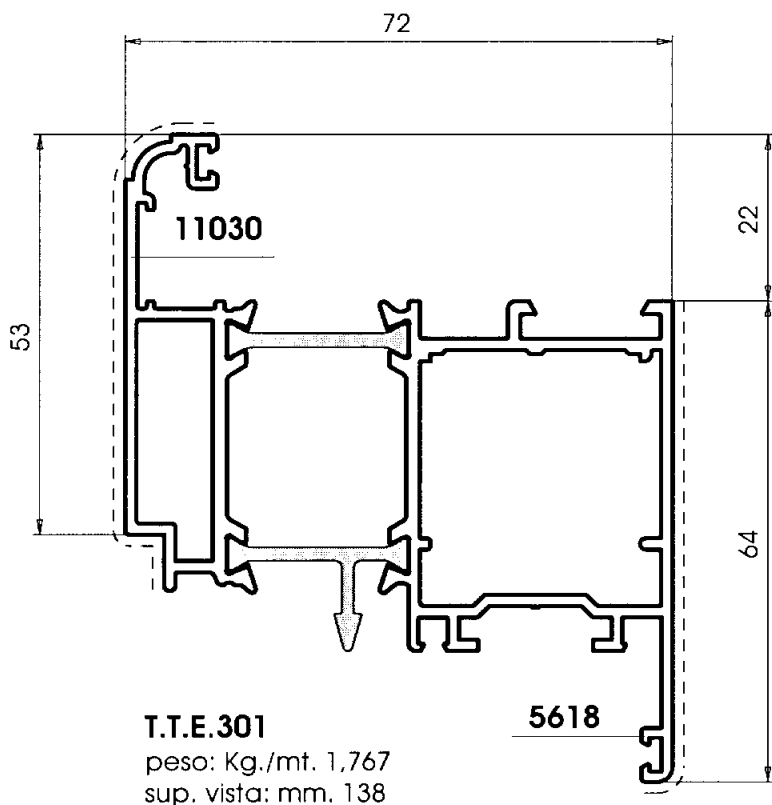
T.T.E.99

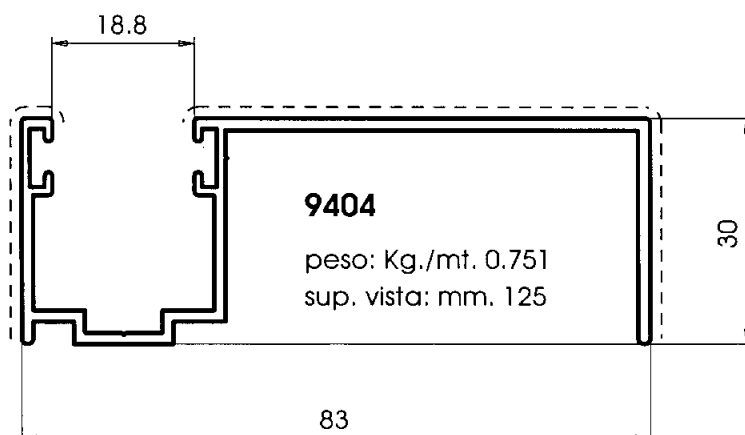
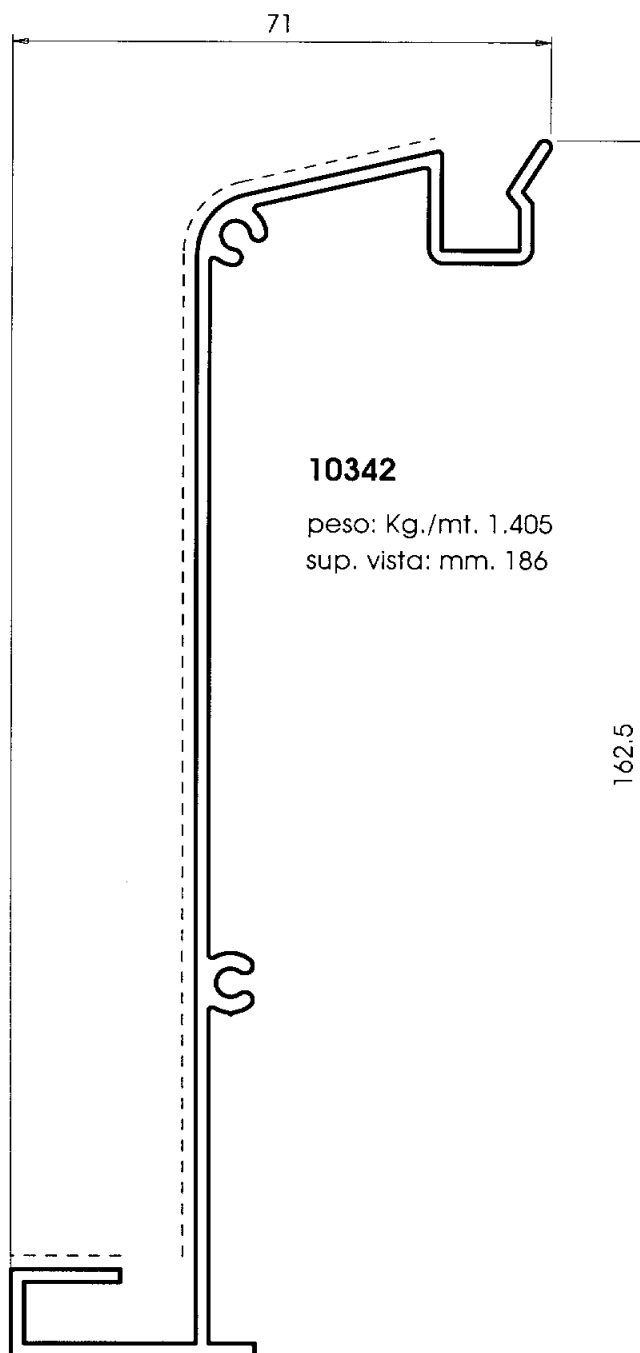
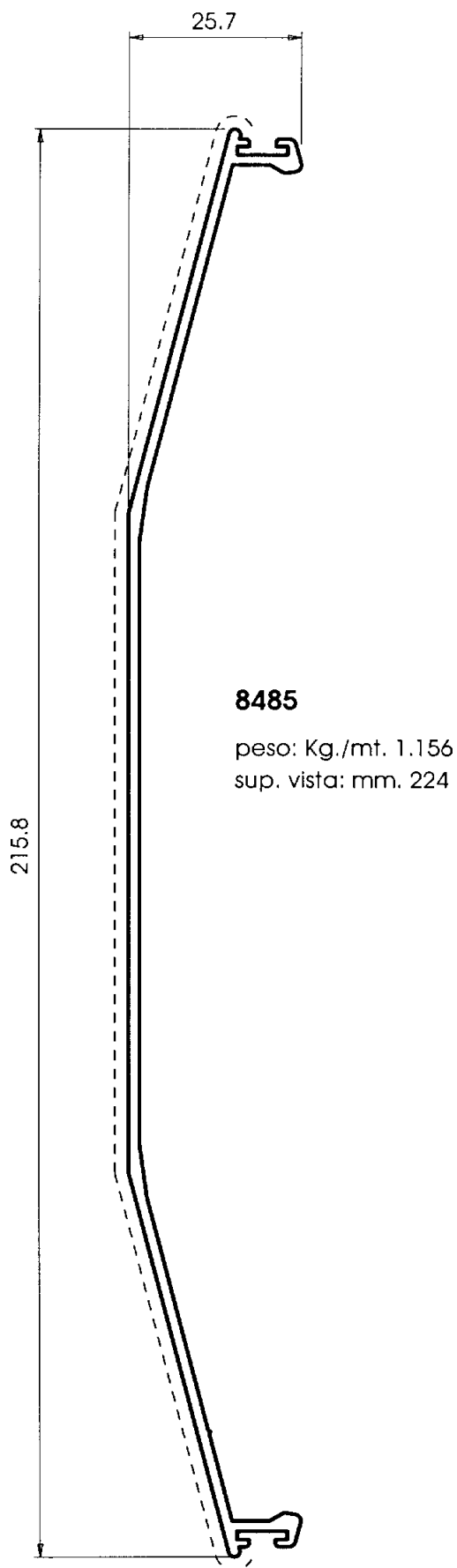
peso: Kg./mt. 1,392
sup. vista: mm. 165

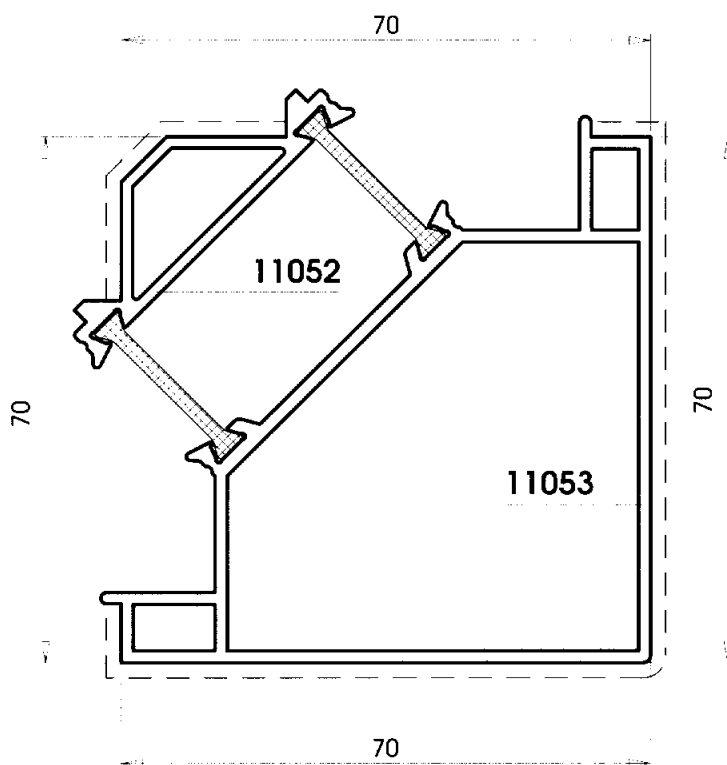


9172

peso: Kg./mt. 0,233
sup. vista: mm. 40

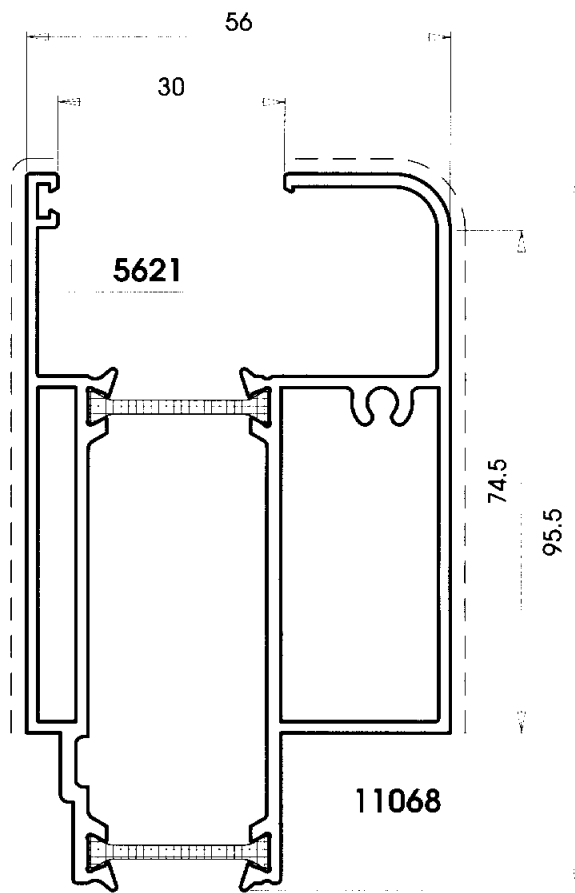






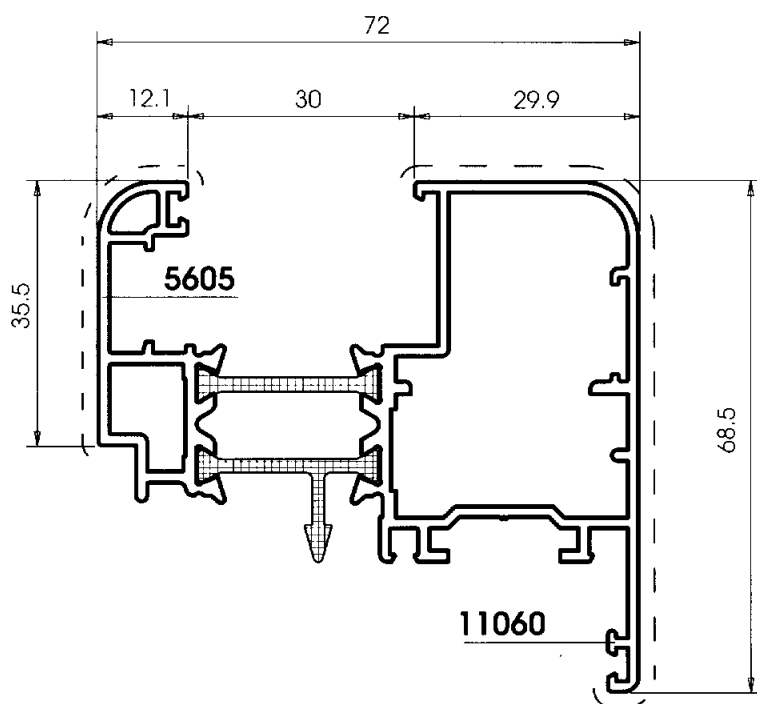
T.T.E.57

peso: Kg./mt. 1.863
 sup. vista: mm. 180



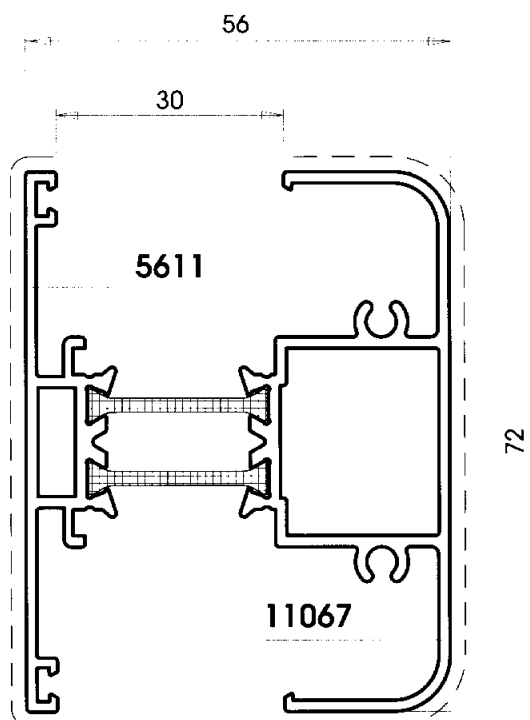
T.T.E.308

peso: Kg./mt. 1.900
 sup. vista: mm. 171



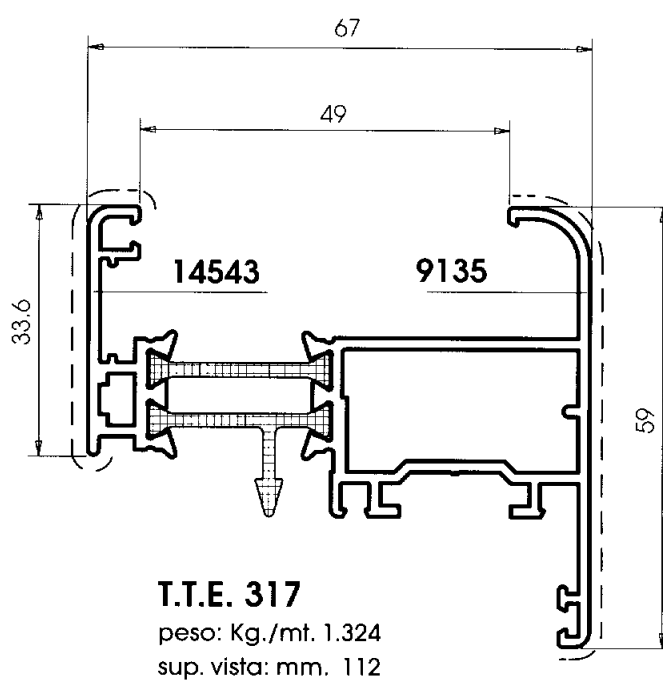
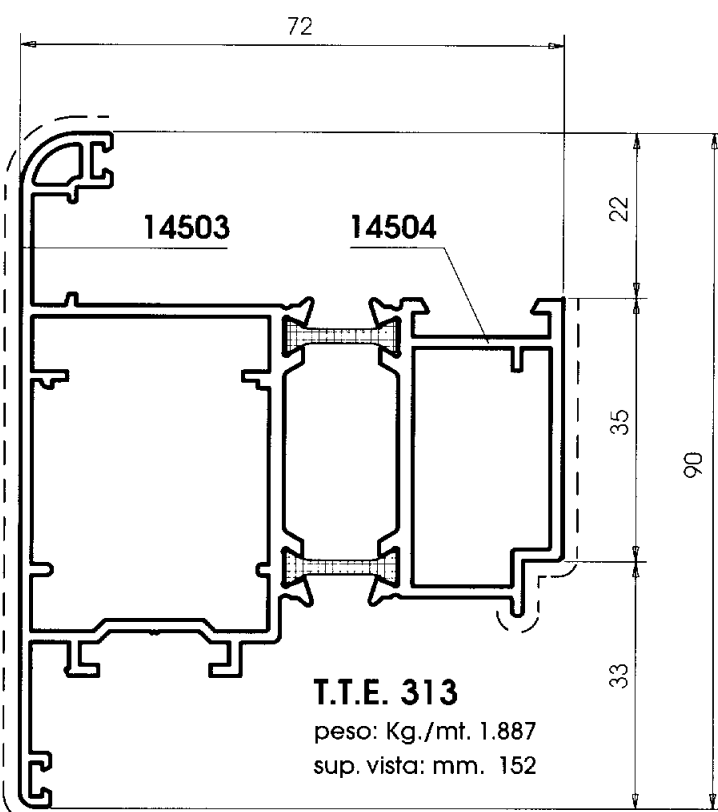
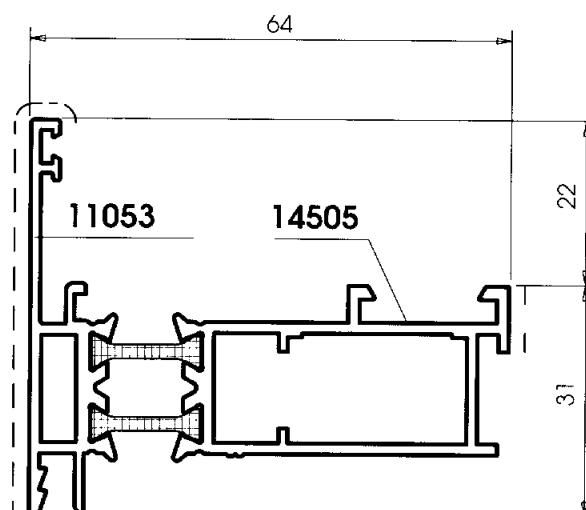
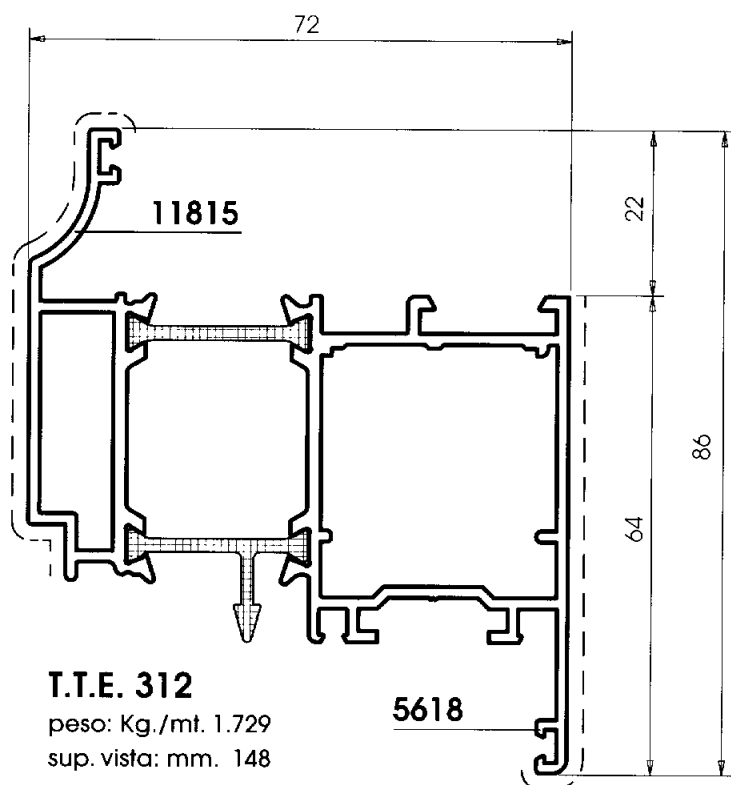
T.T.E. 306

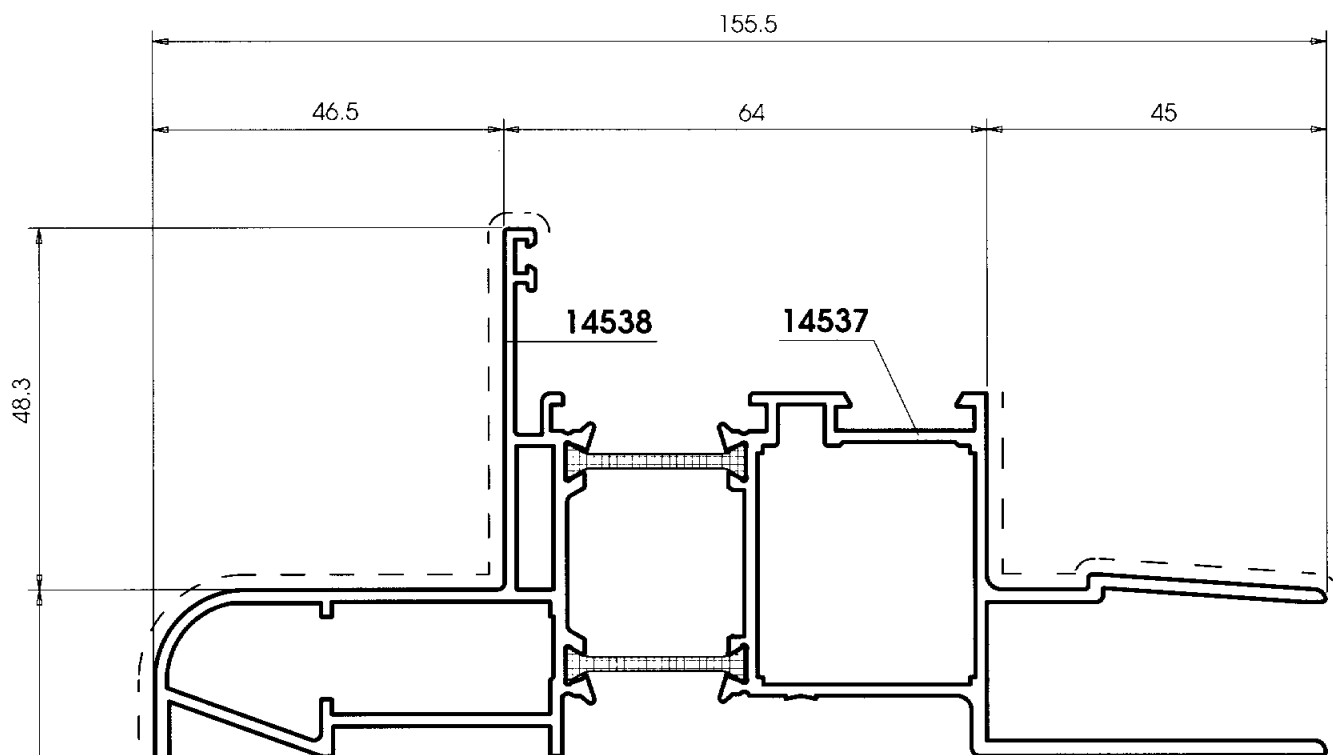
peso: Kg./mt. 1.602
 sup. vista: mm. 153



T.T.E.307

peso: Kg./mt. 1.564
 sup. vista: mm. 188

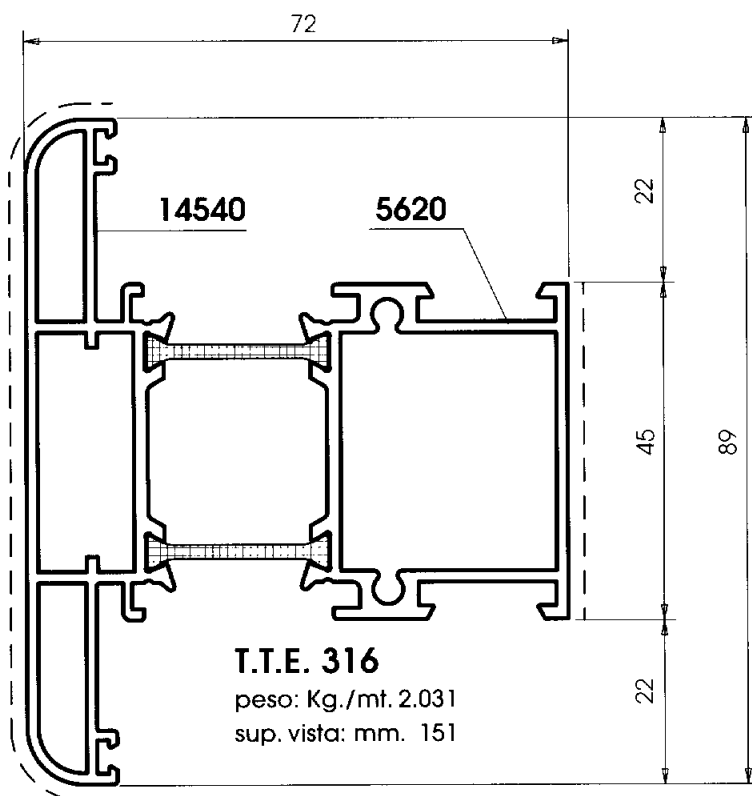




T.T.E. 315

peso: Kg./mt. 2.911

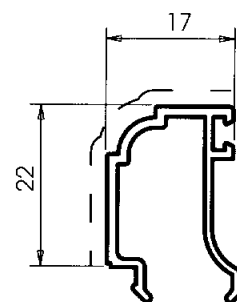
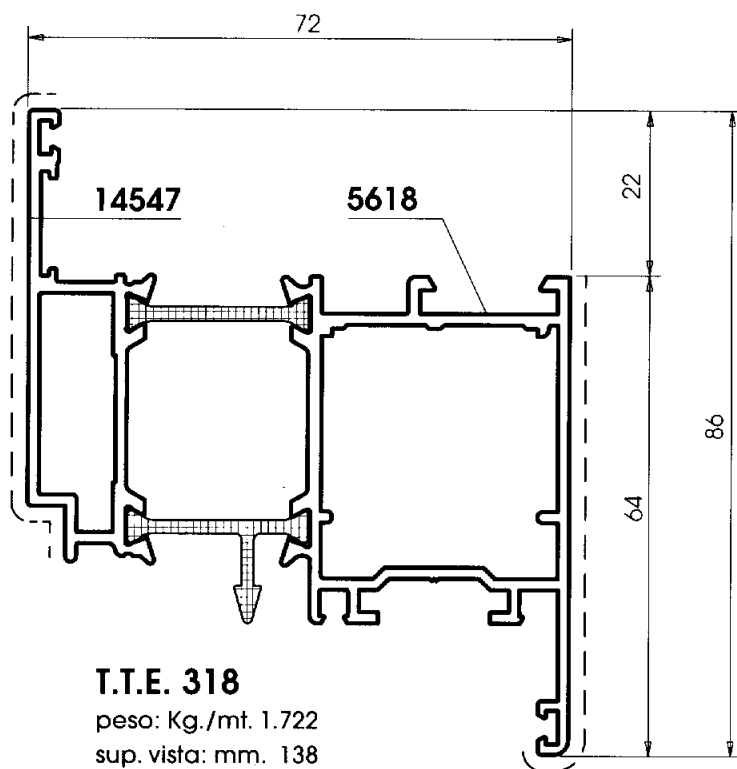
sup. vista: mm. 260



T.T.E. 316

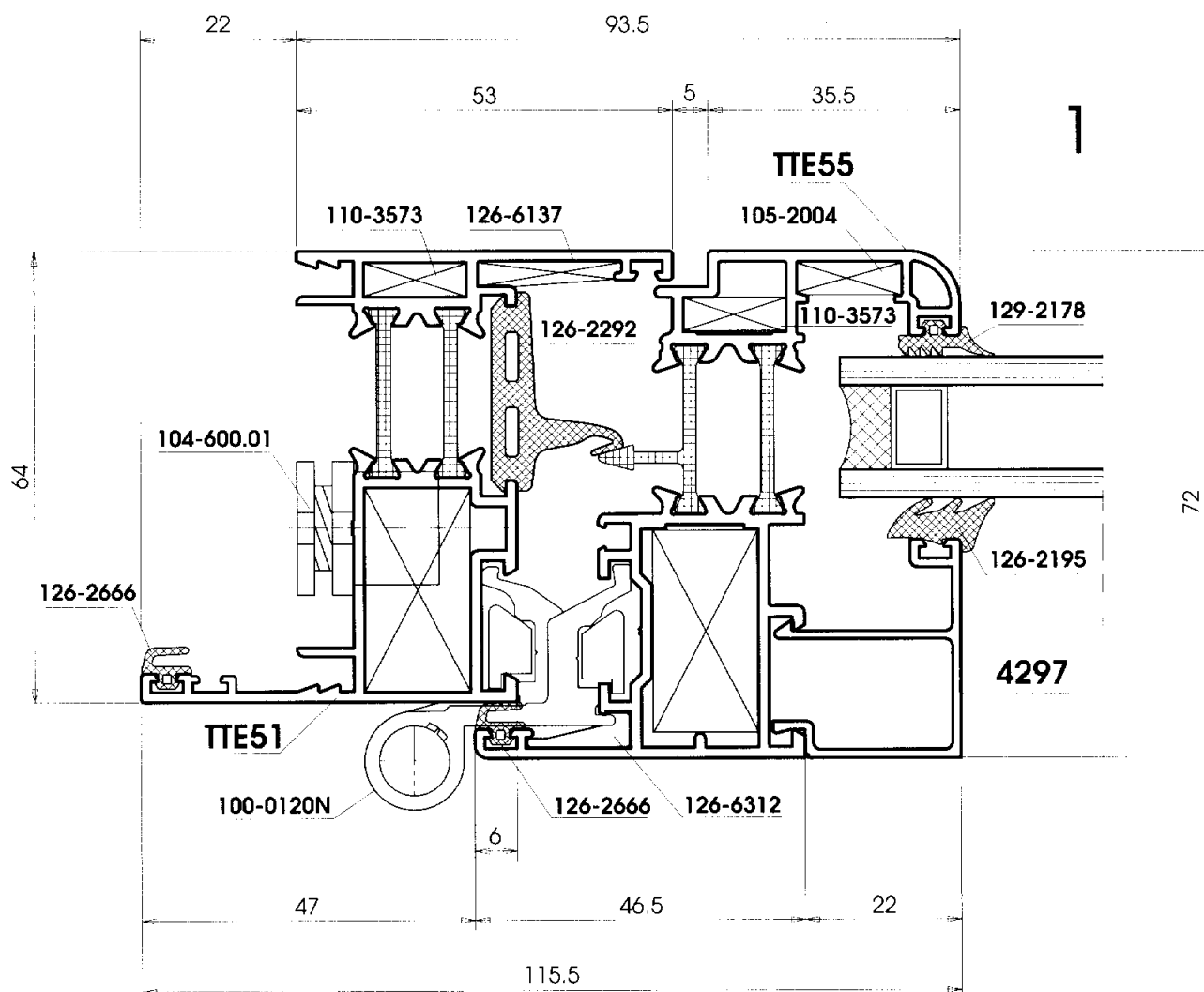
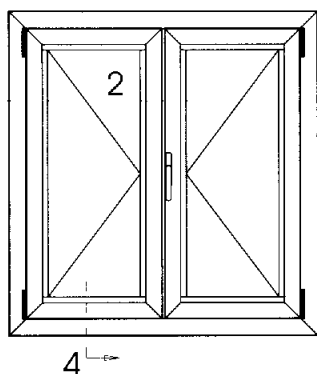
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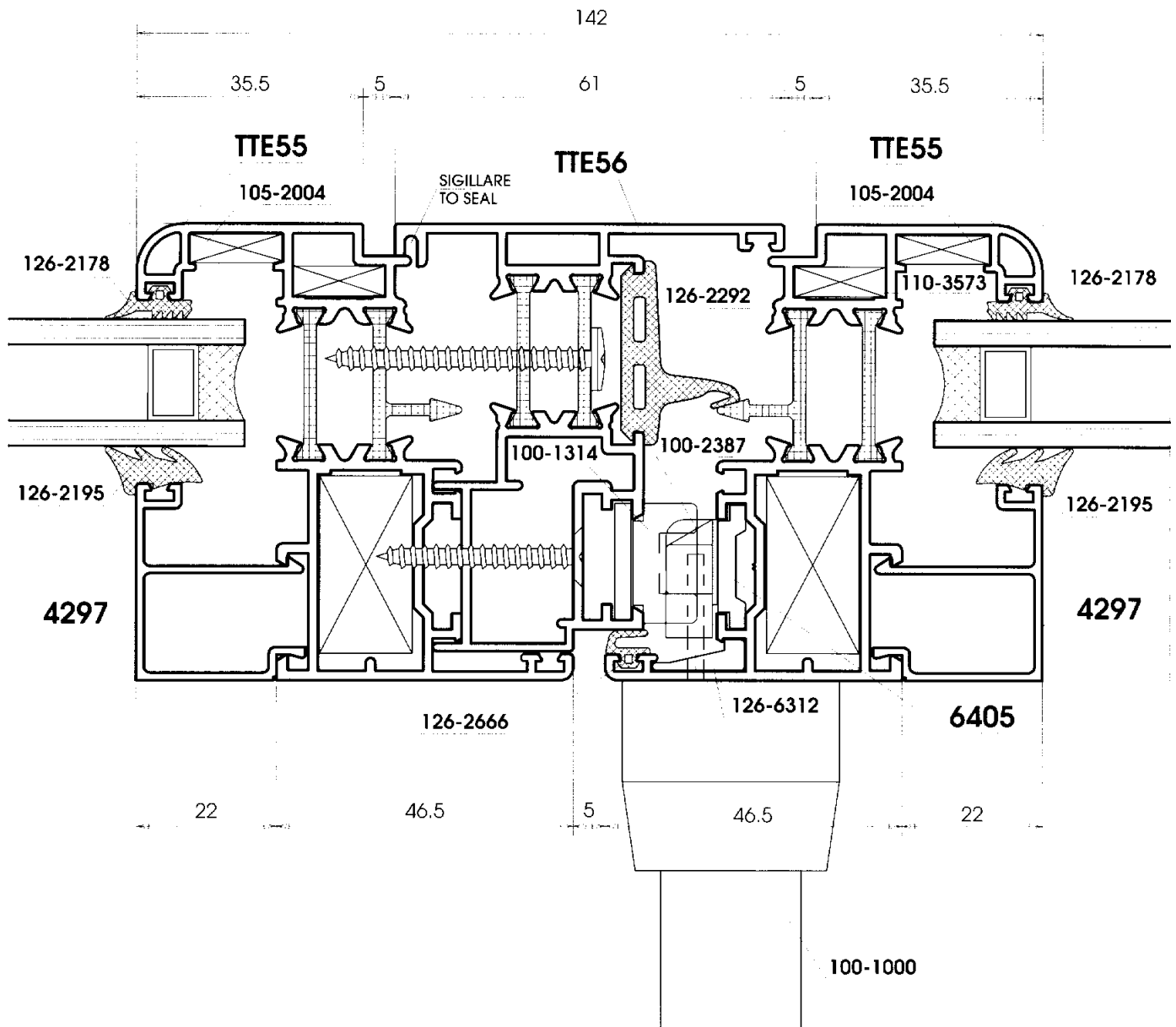
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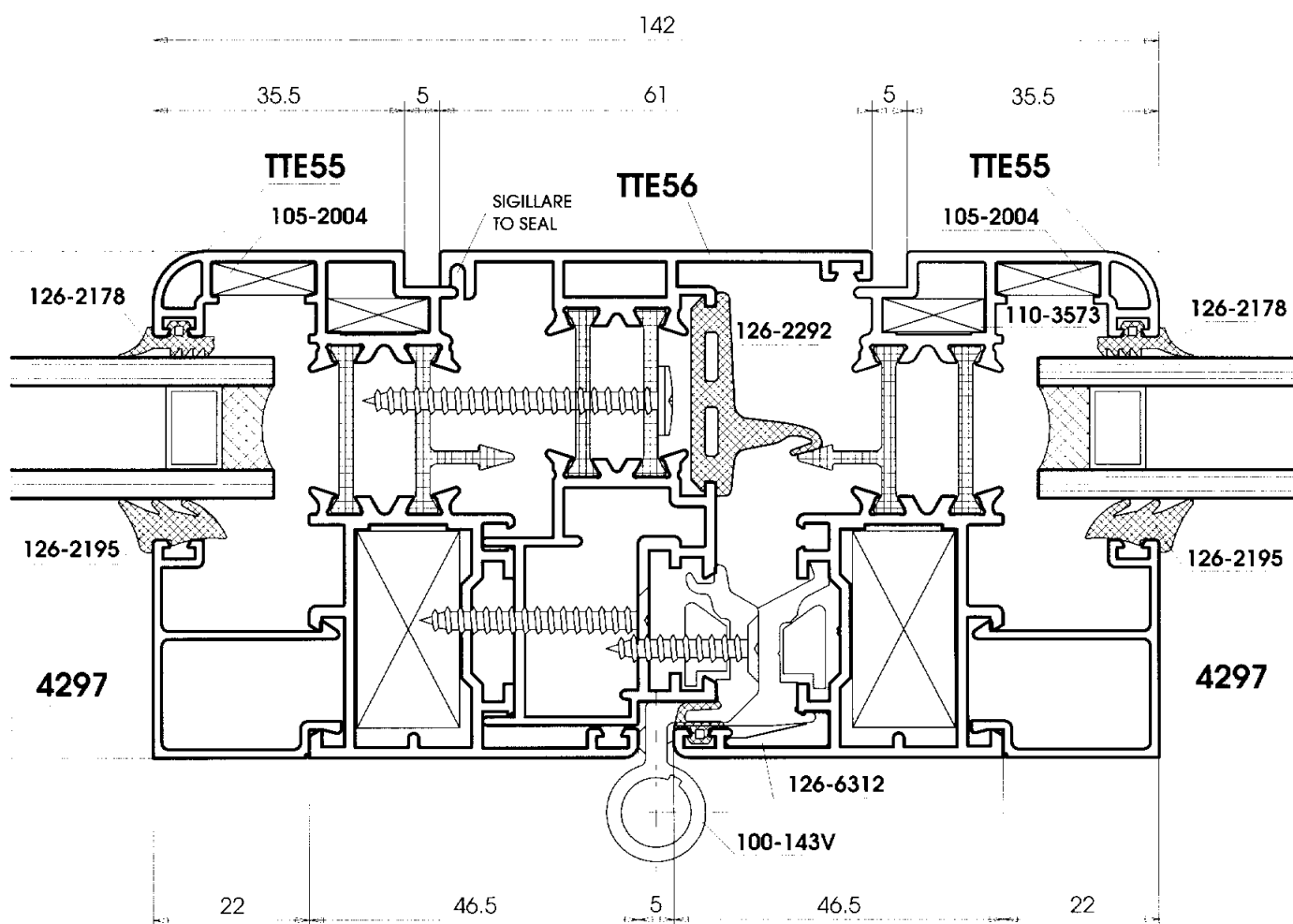
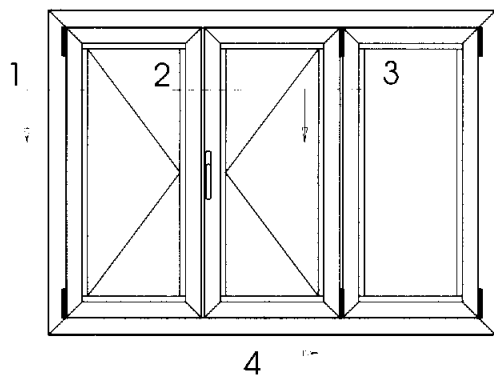


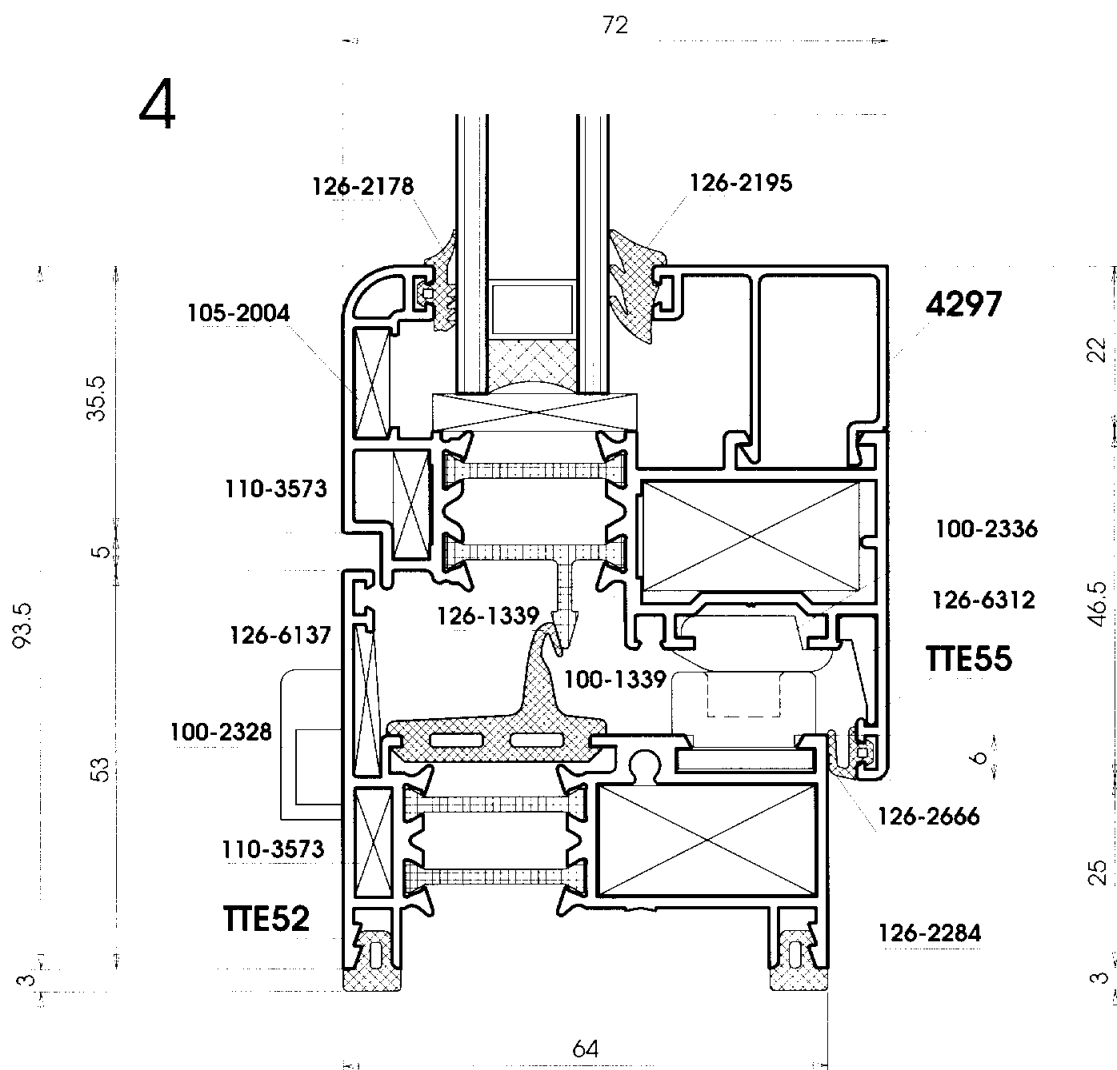
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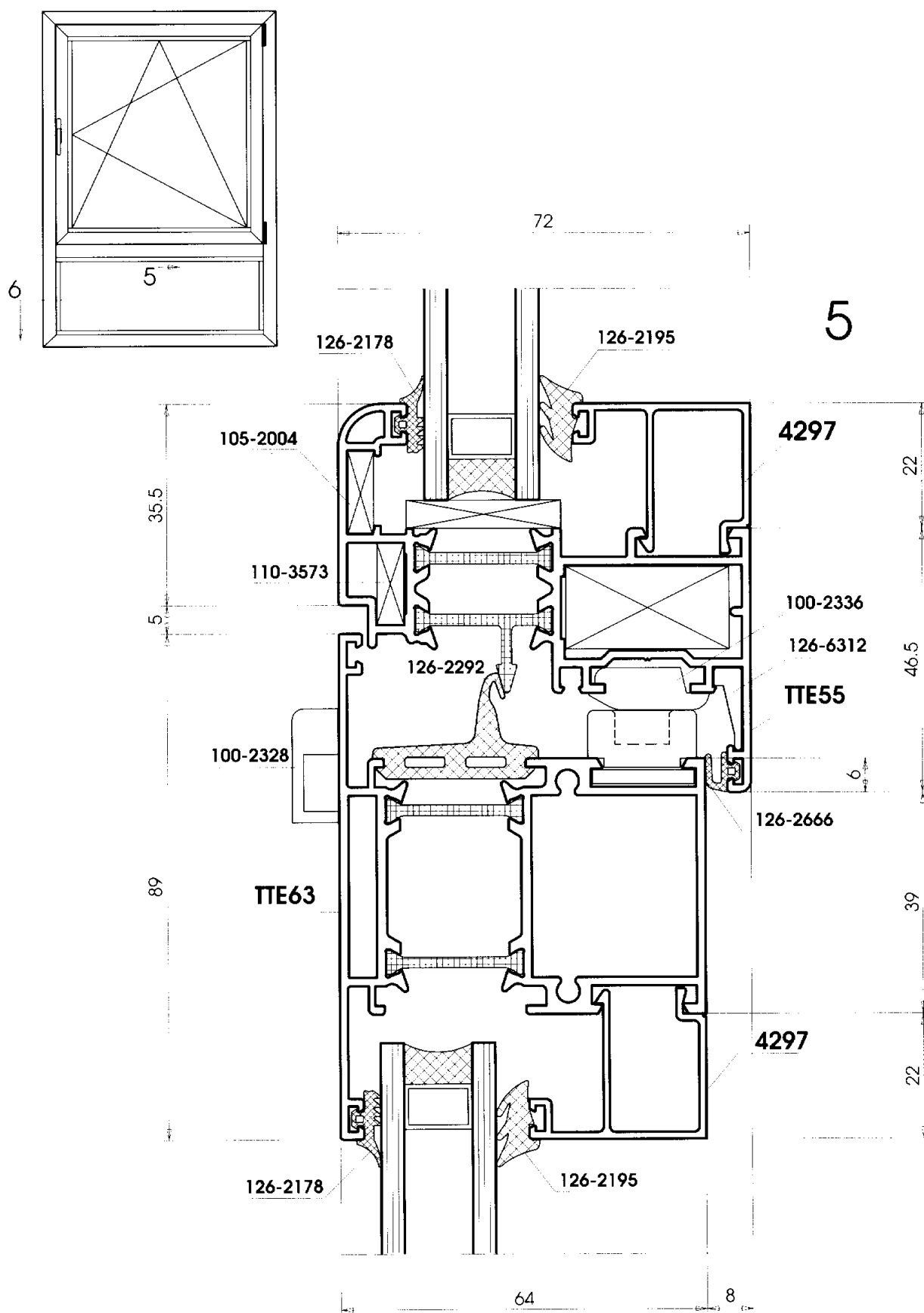
peso: Kg./mt. 0.250
sup. vista: mm. 35

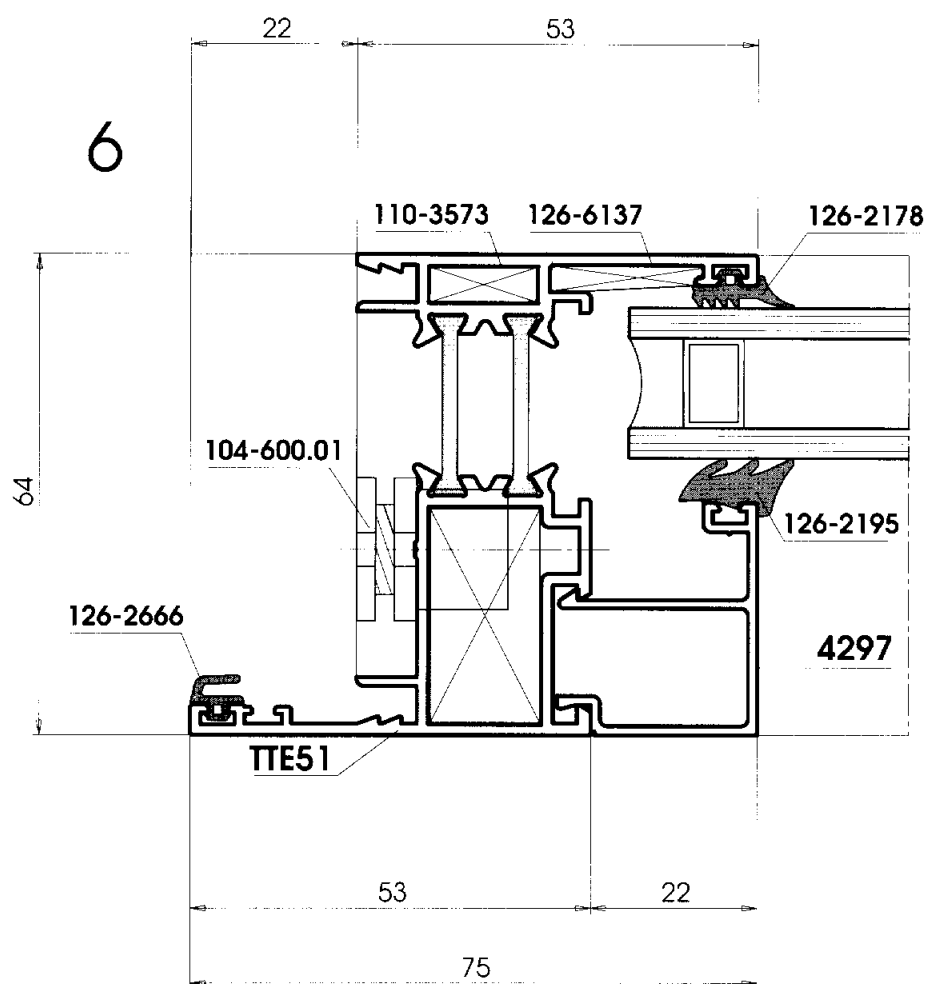


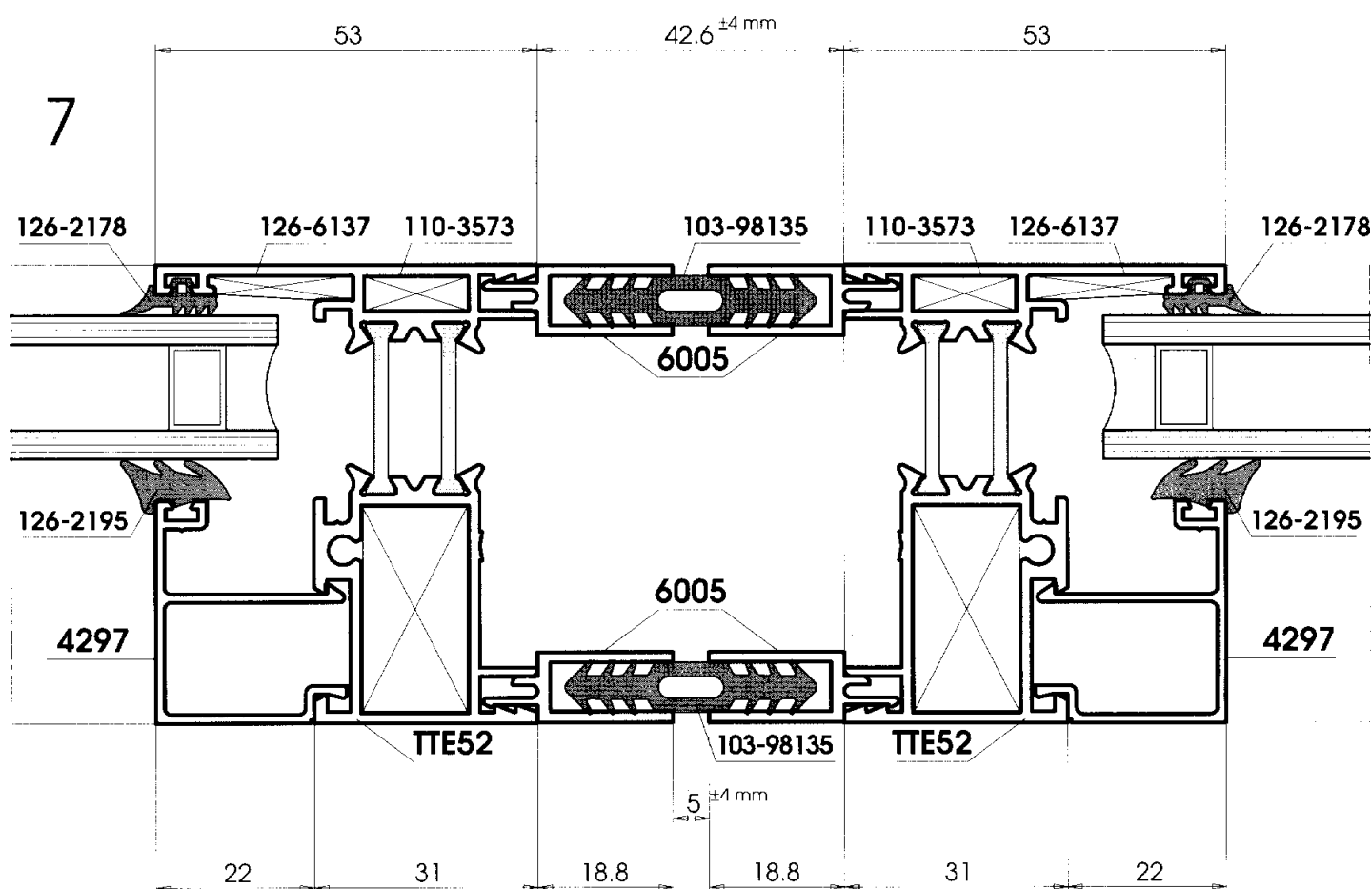
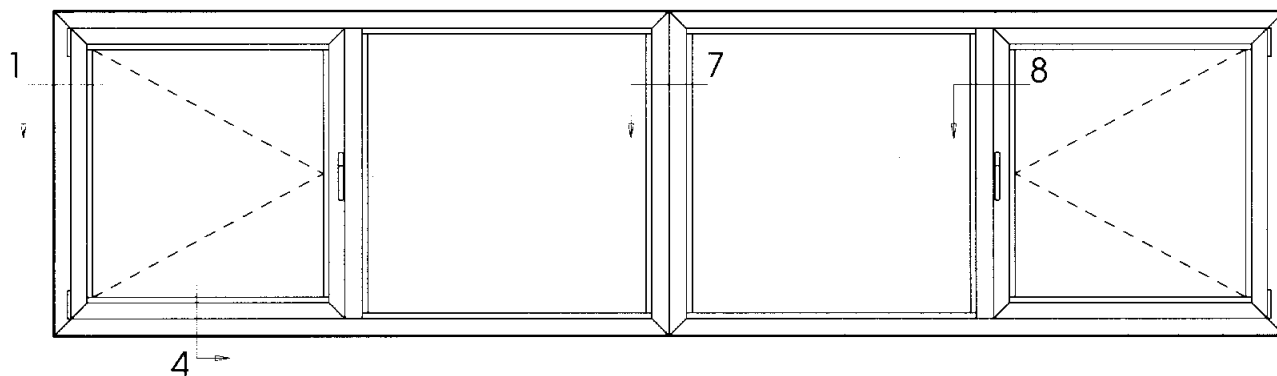


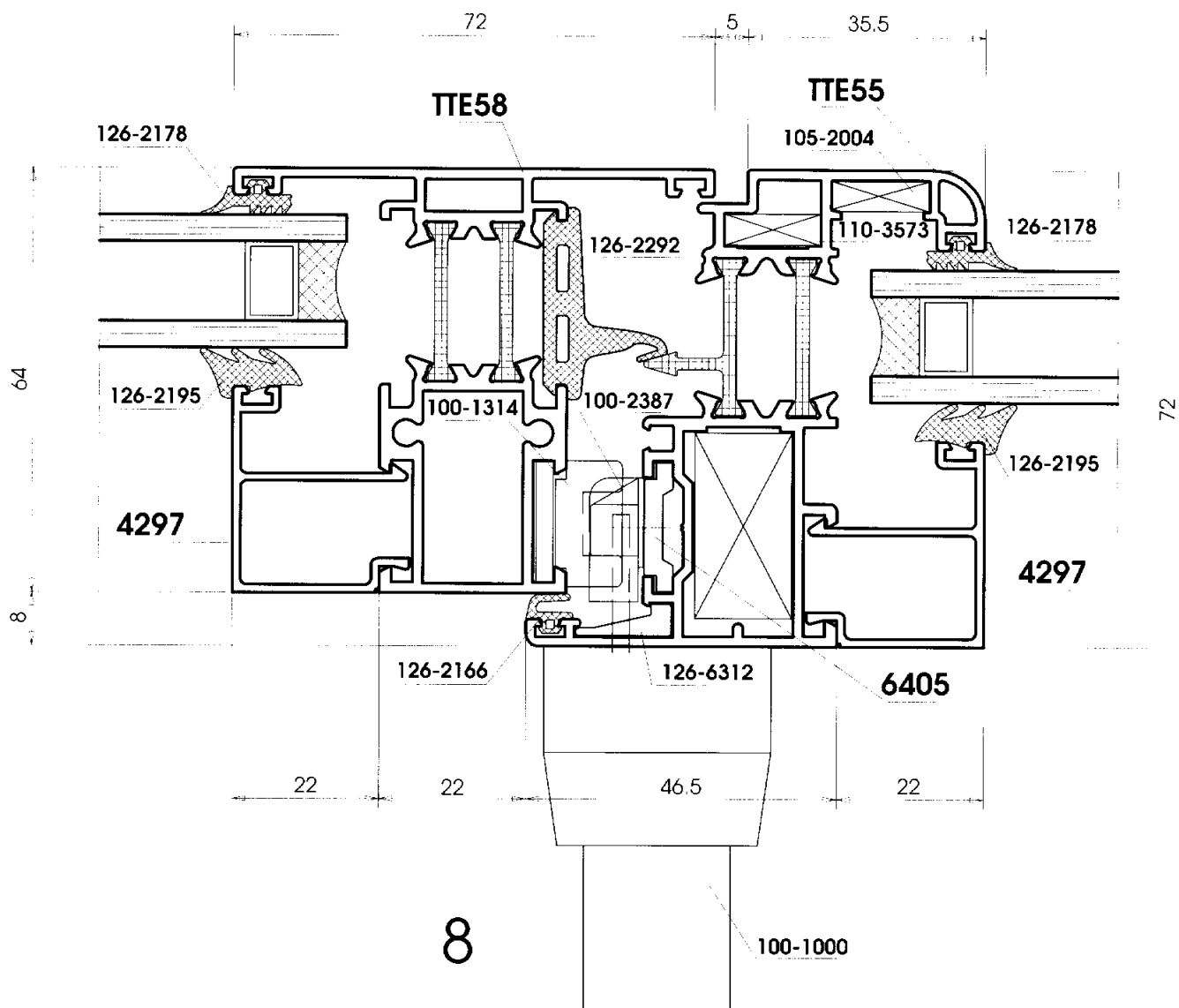


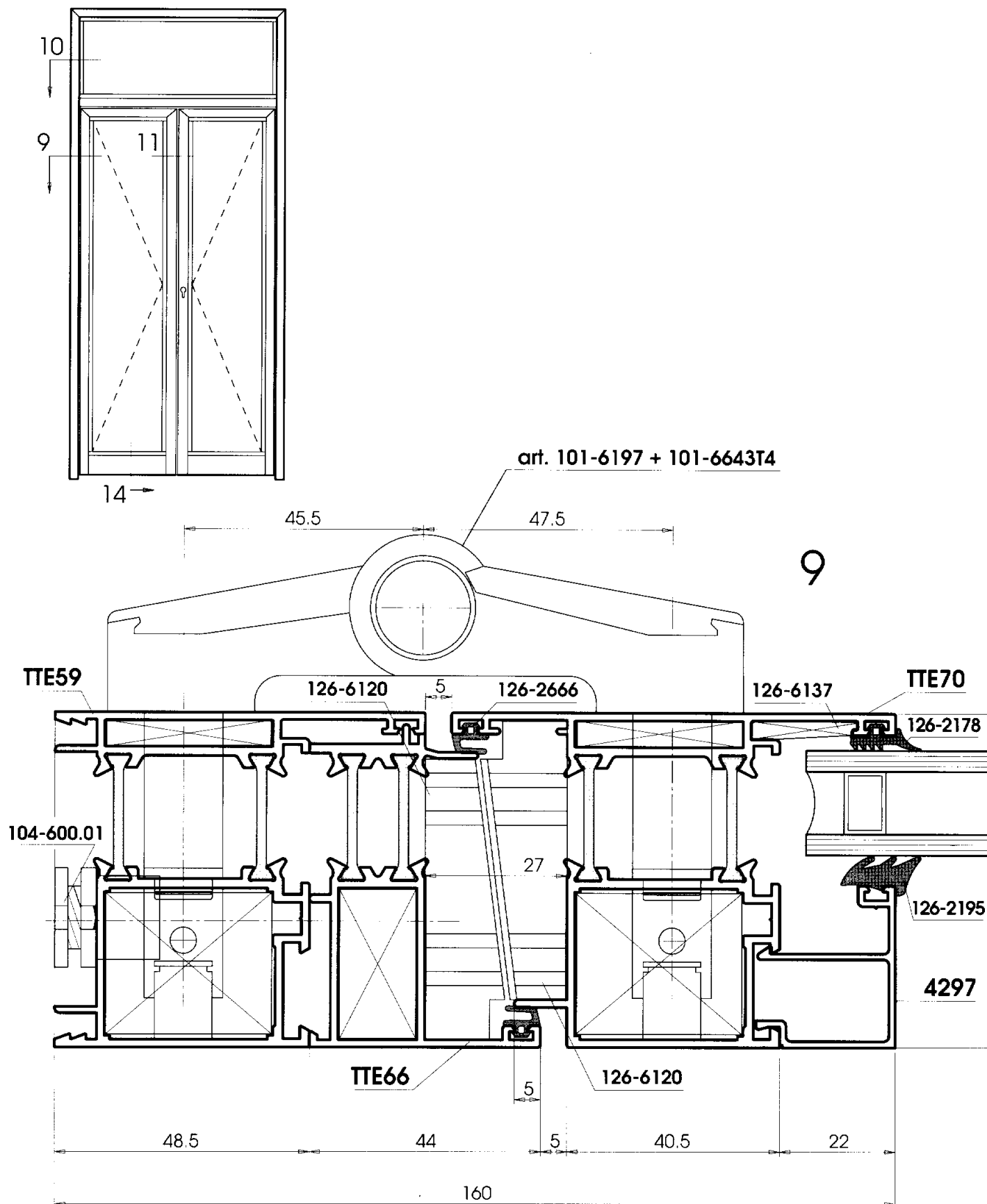


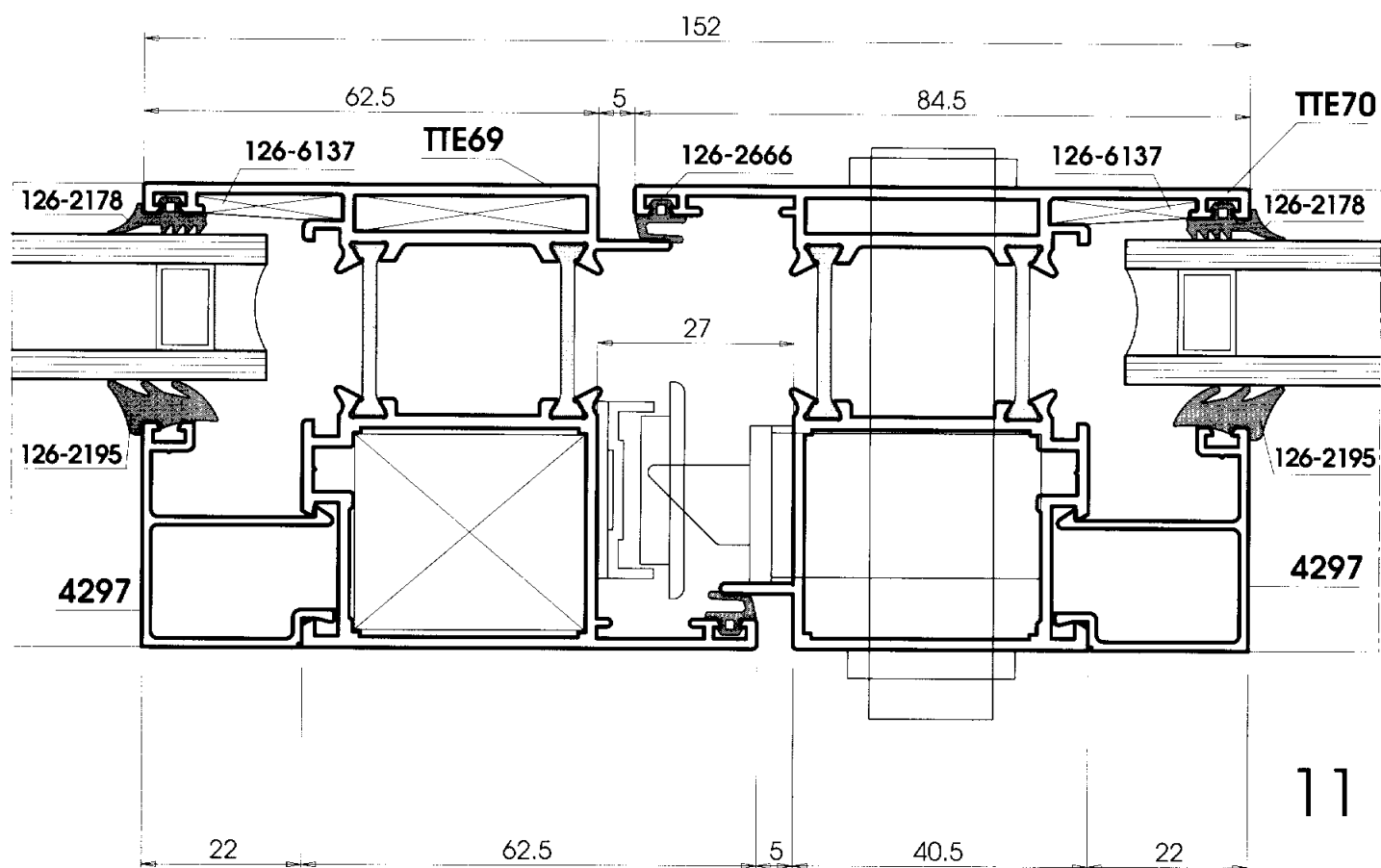
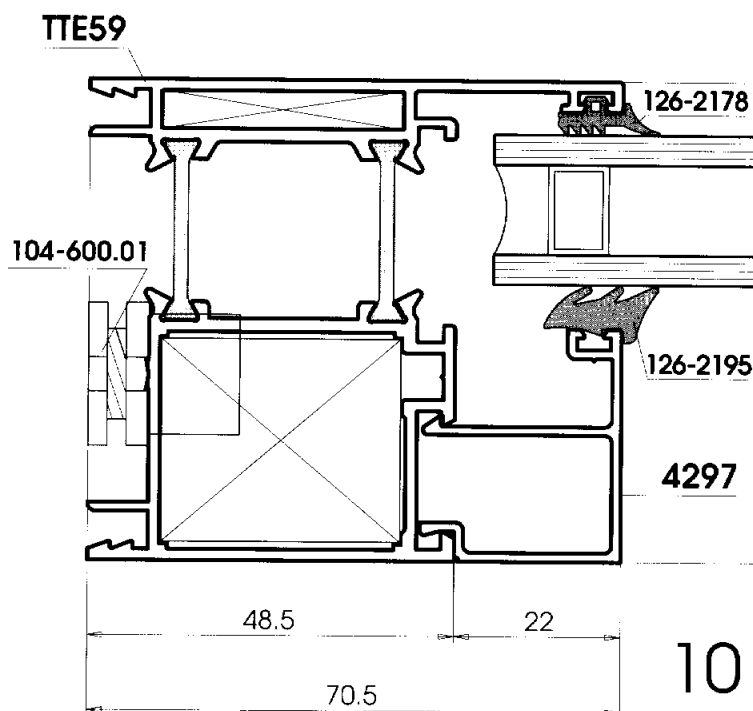


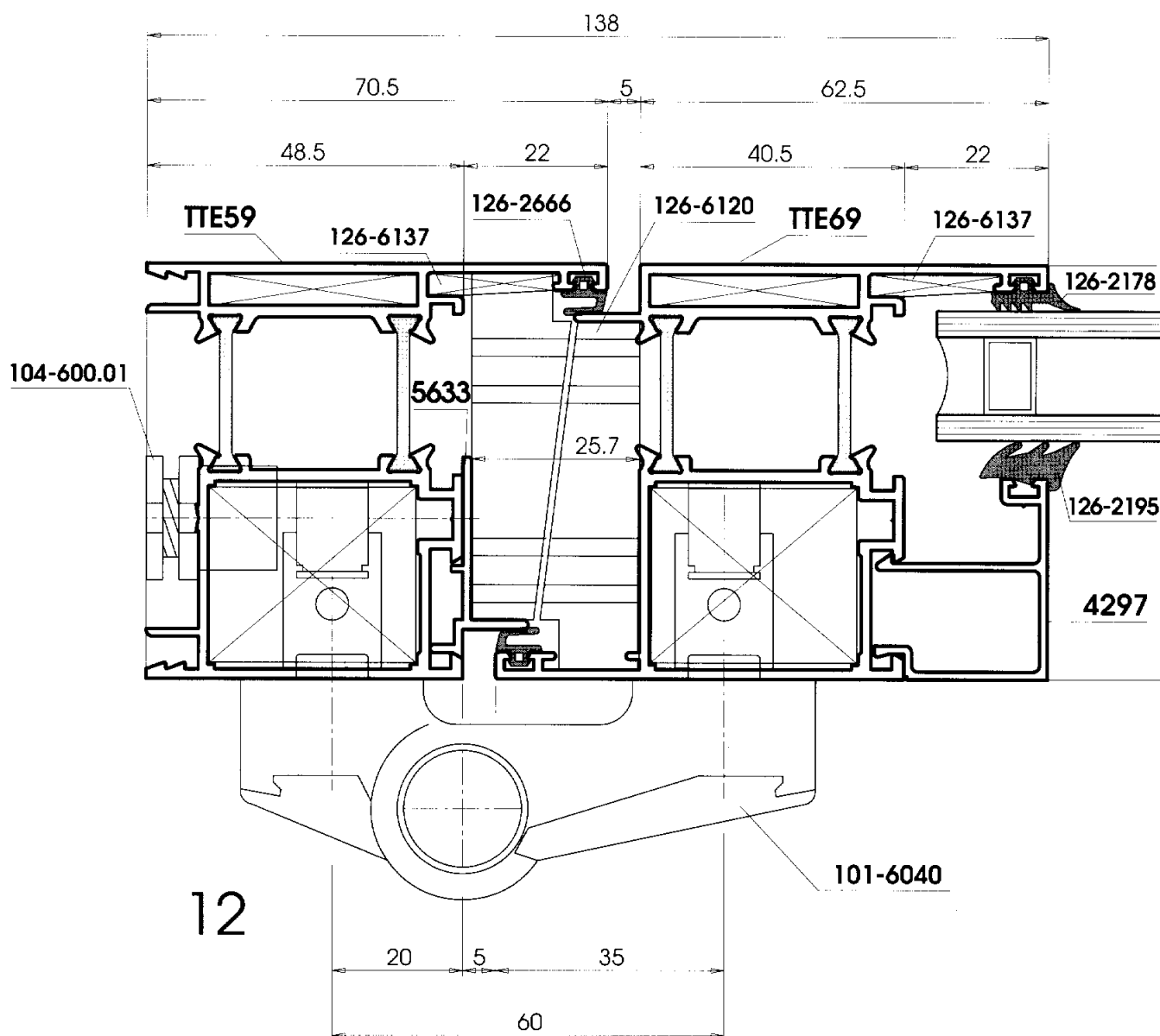
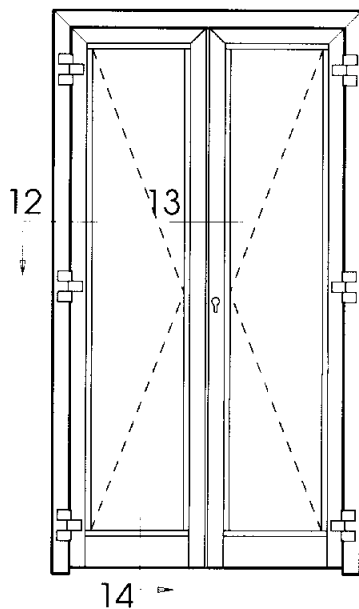


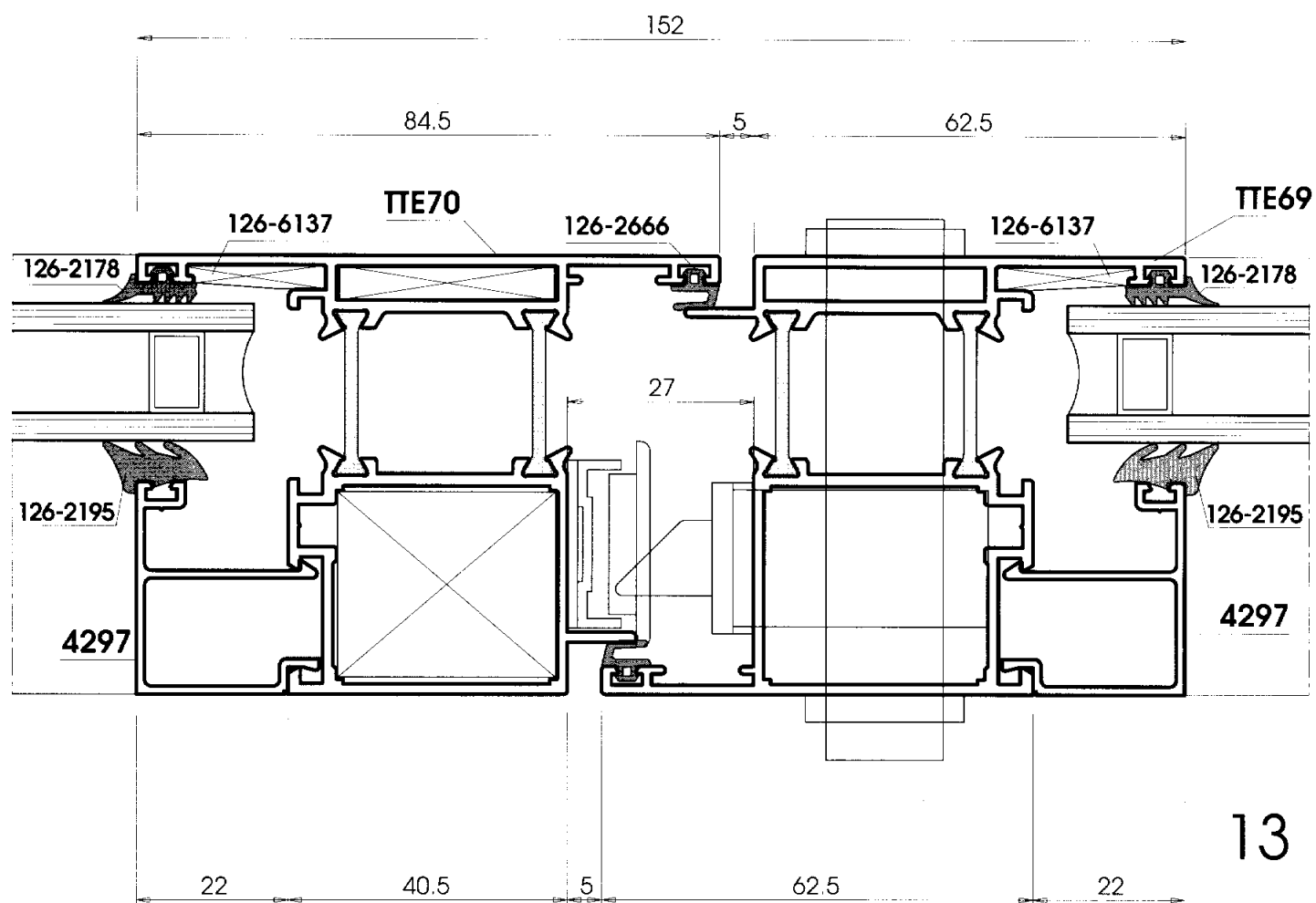










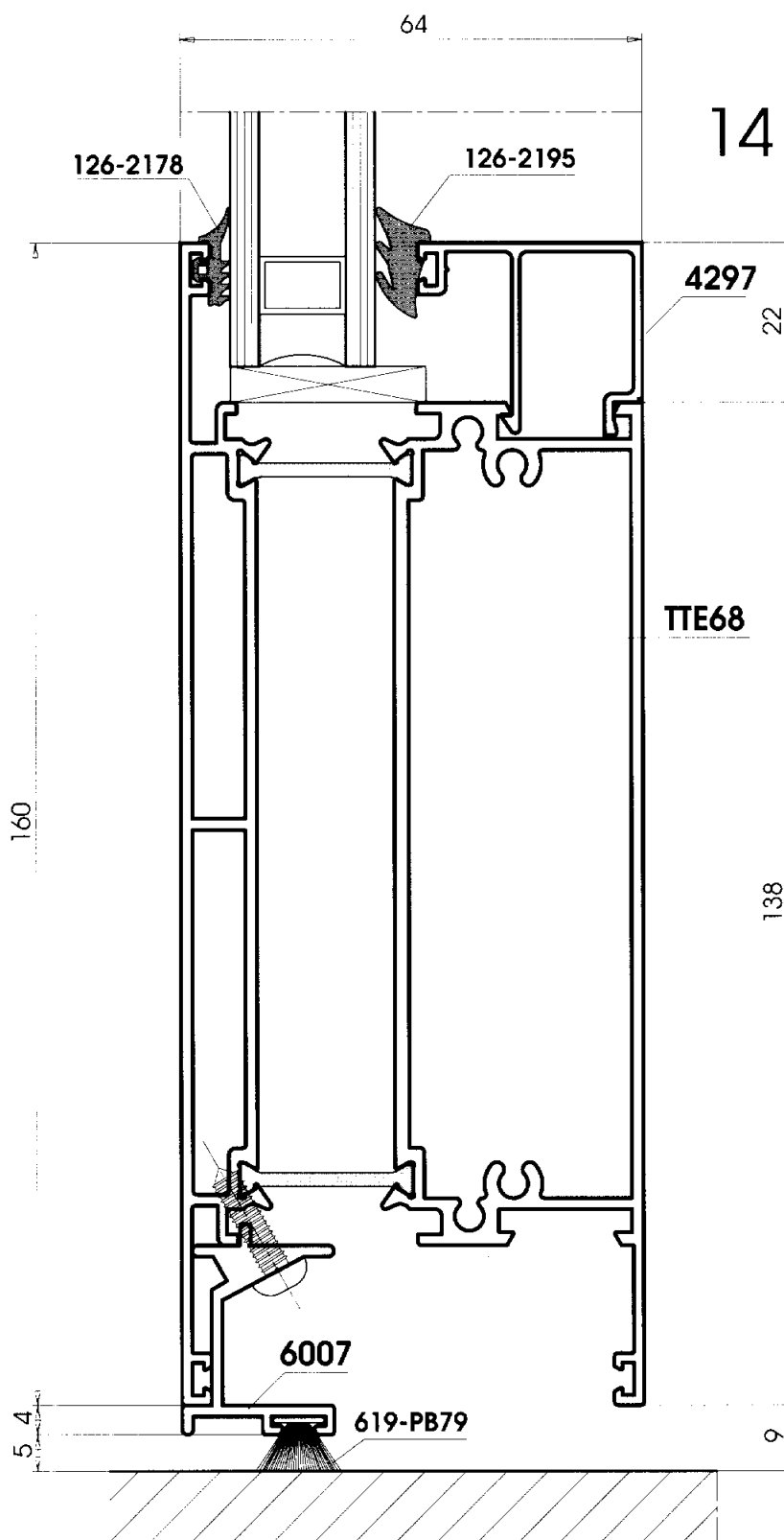


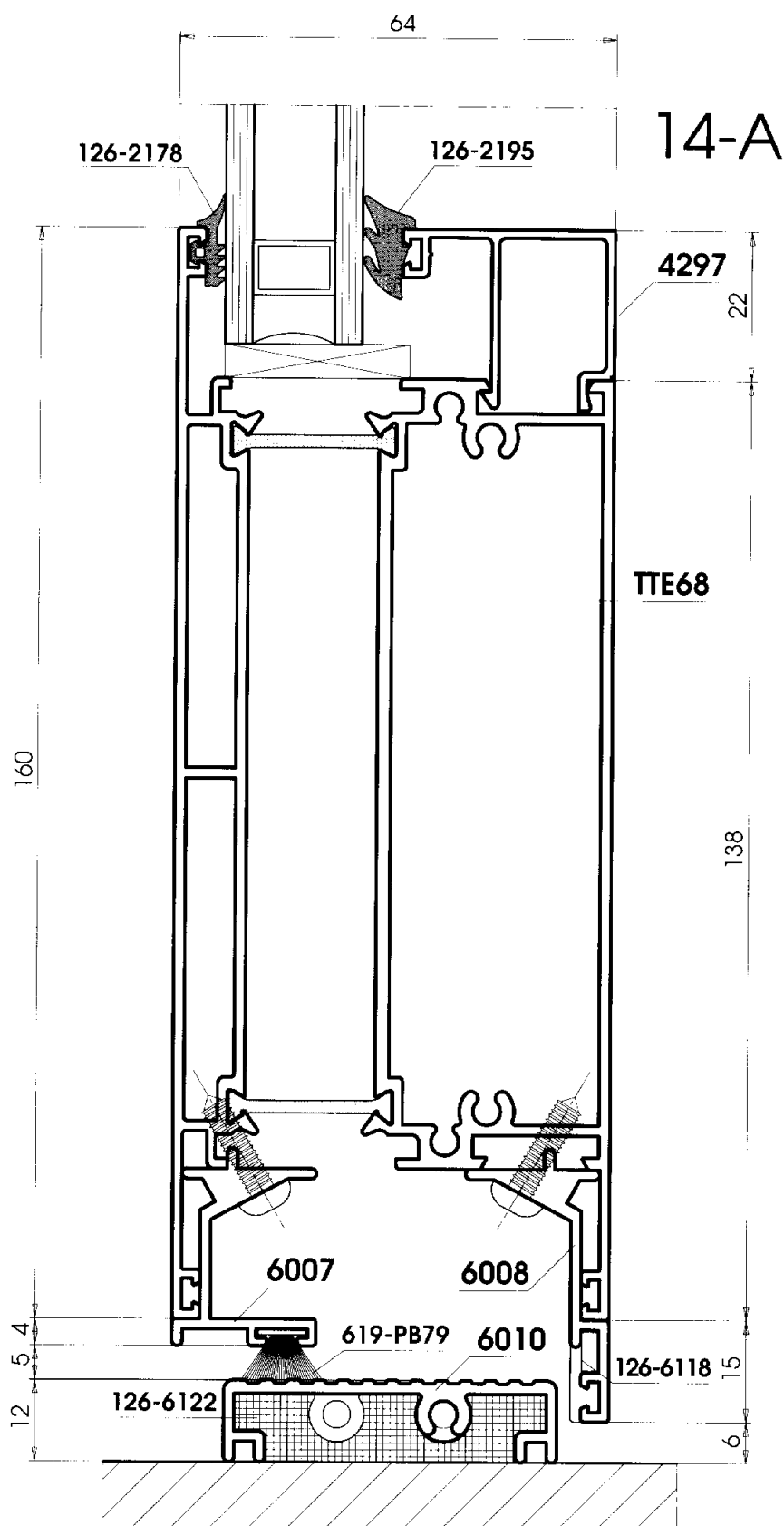
PORTA CON ZOCCOLO
DOOR WITH LOWER TRANSOM

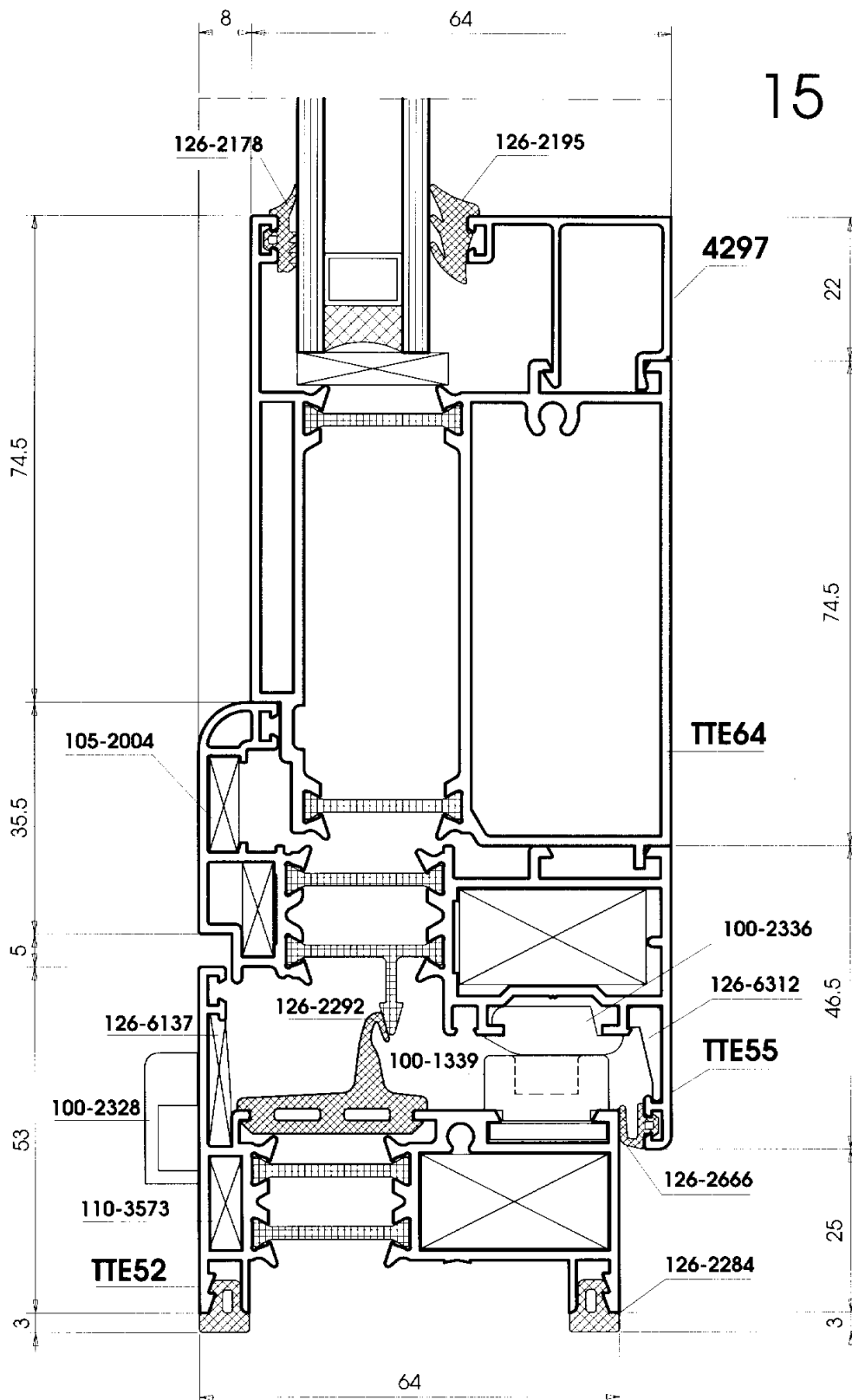
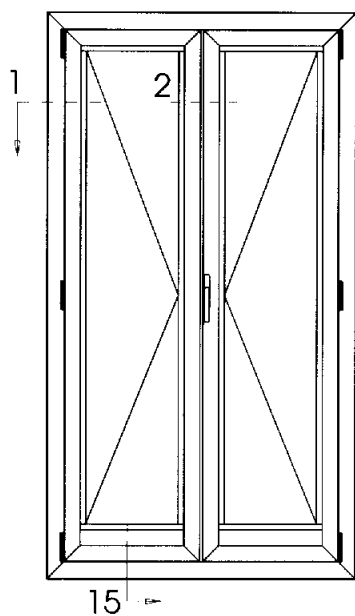
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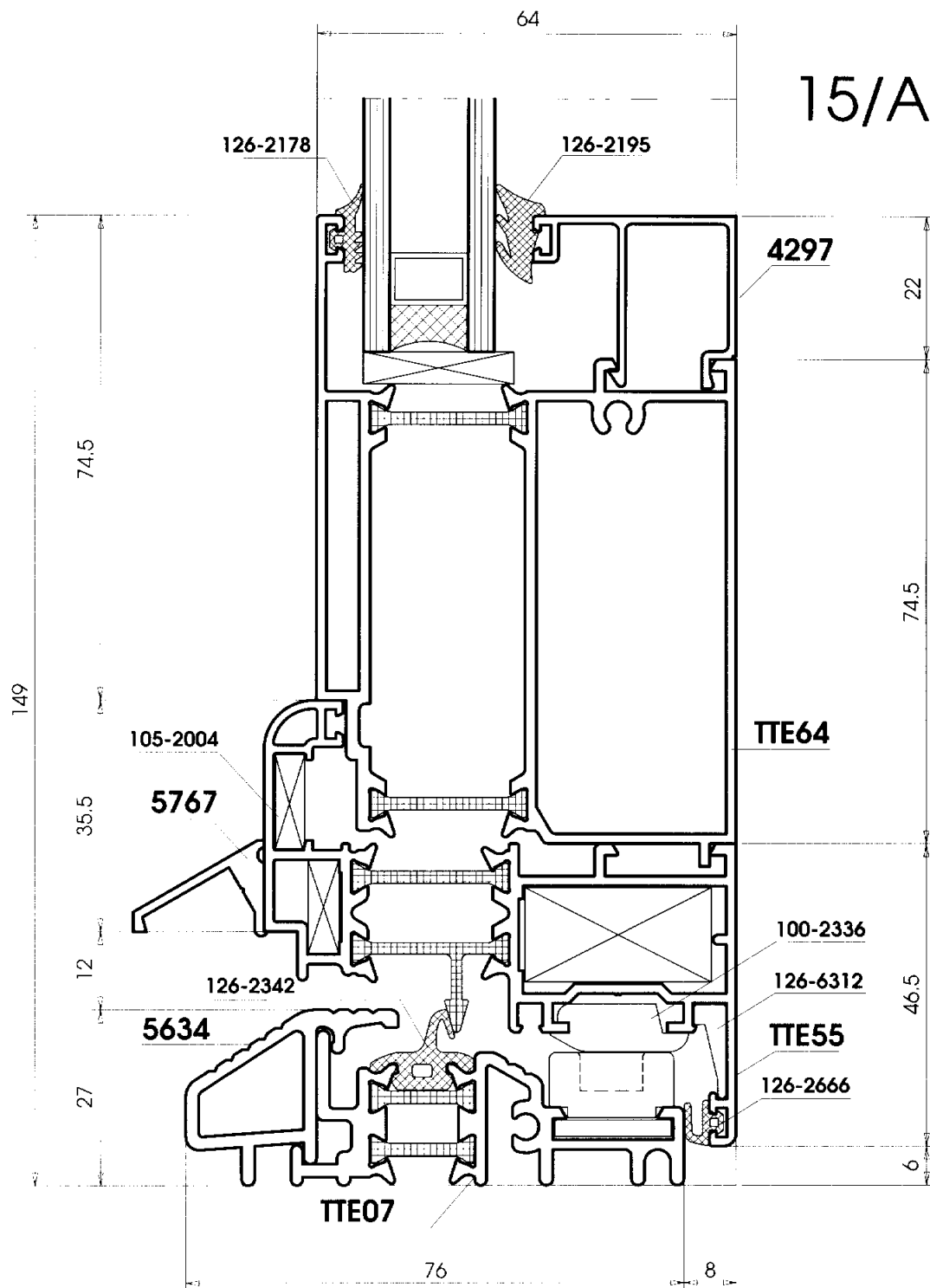
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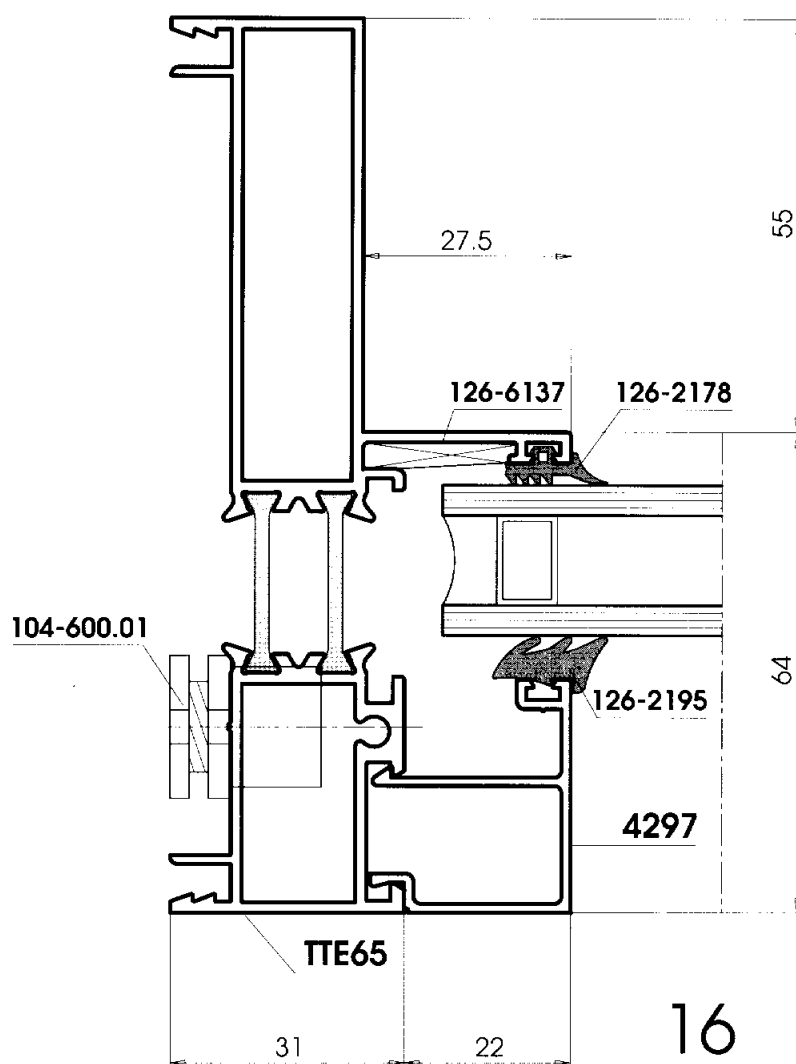
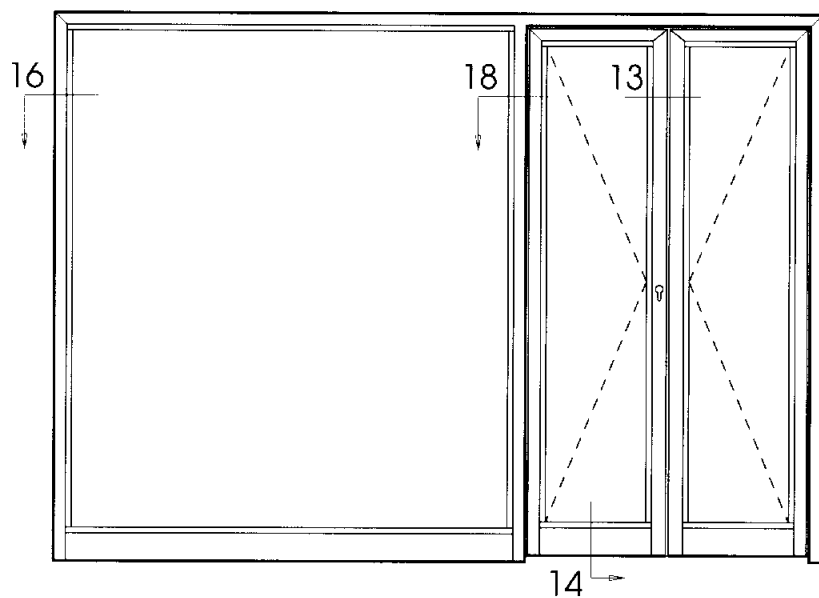
**GRUPPO
PROFILATI**

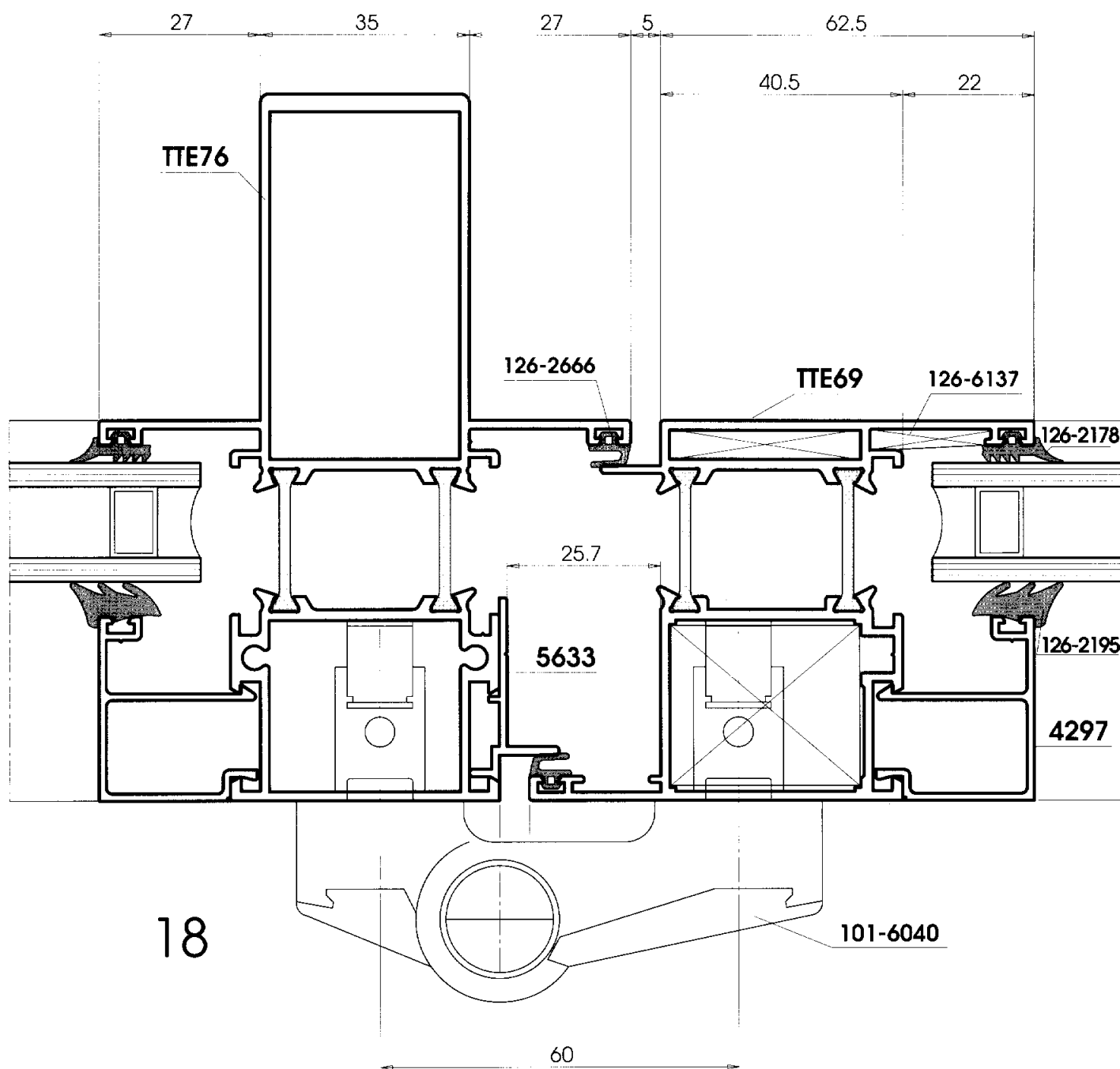


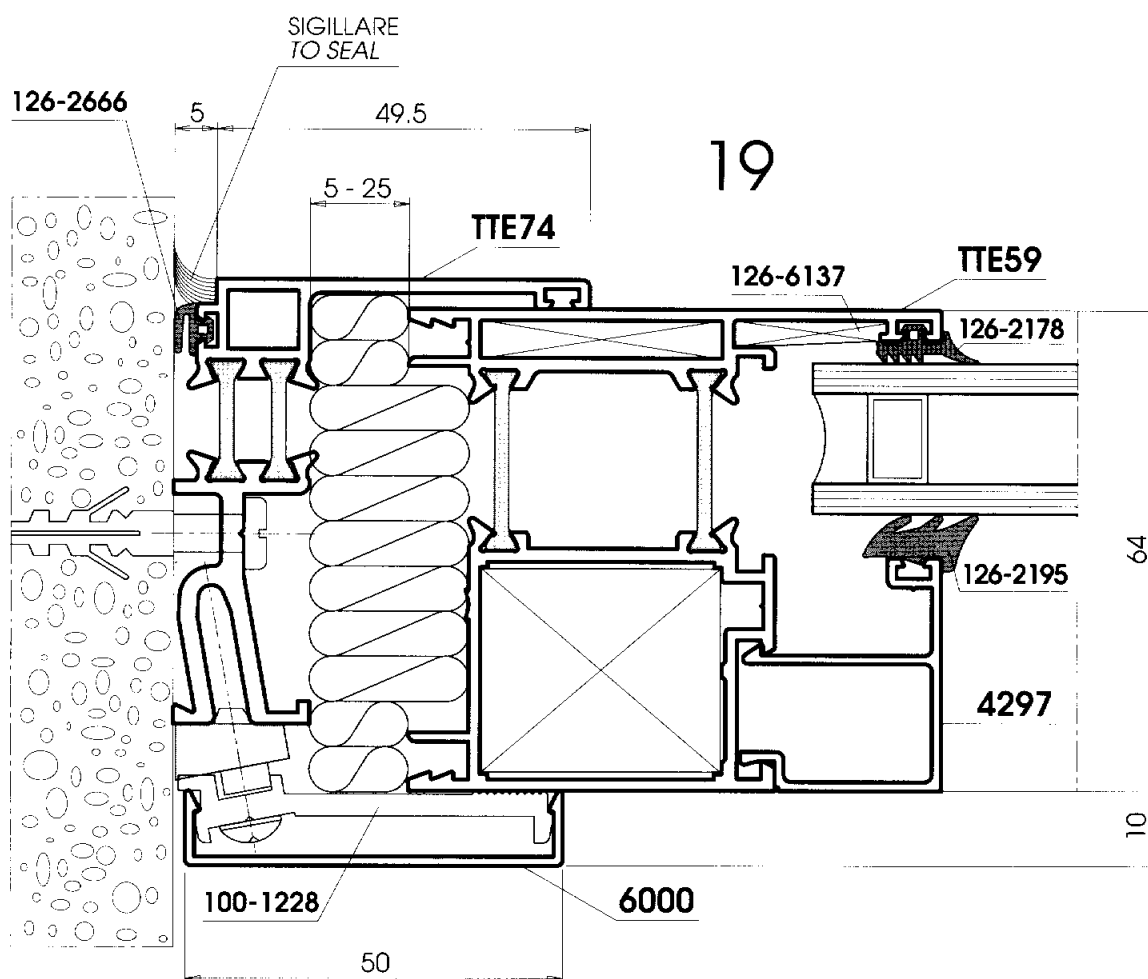
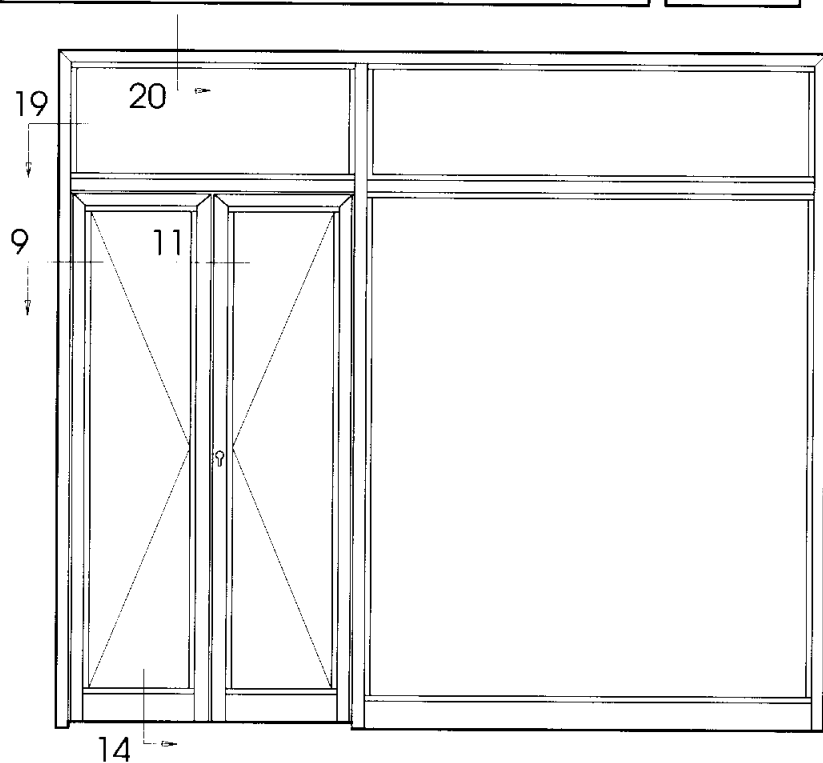


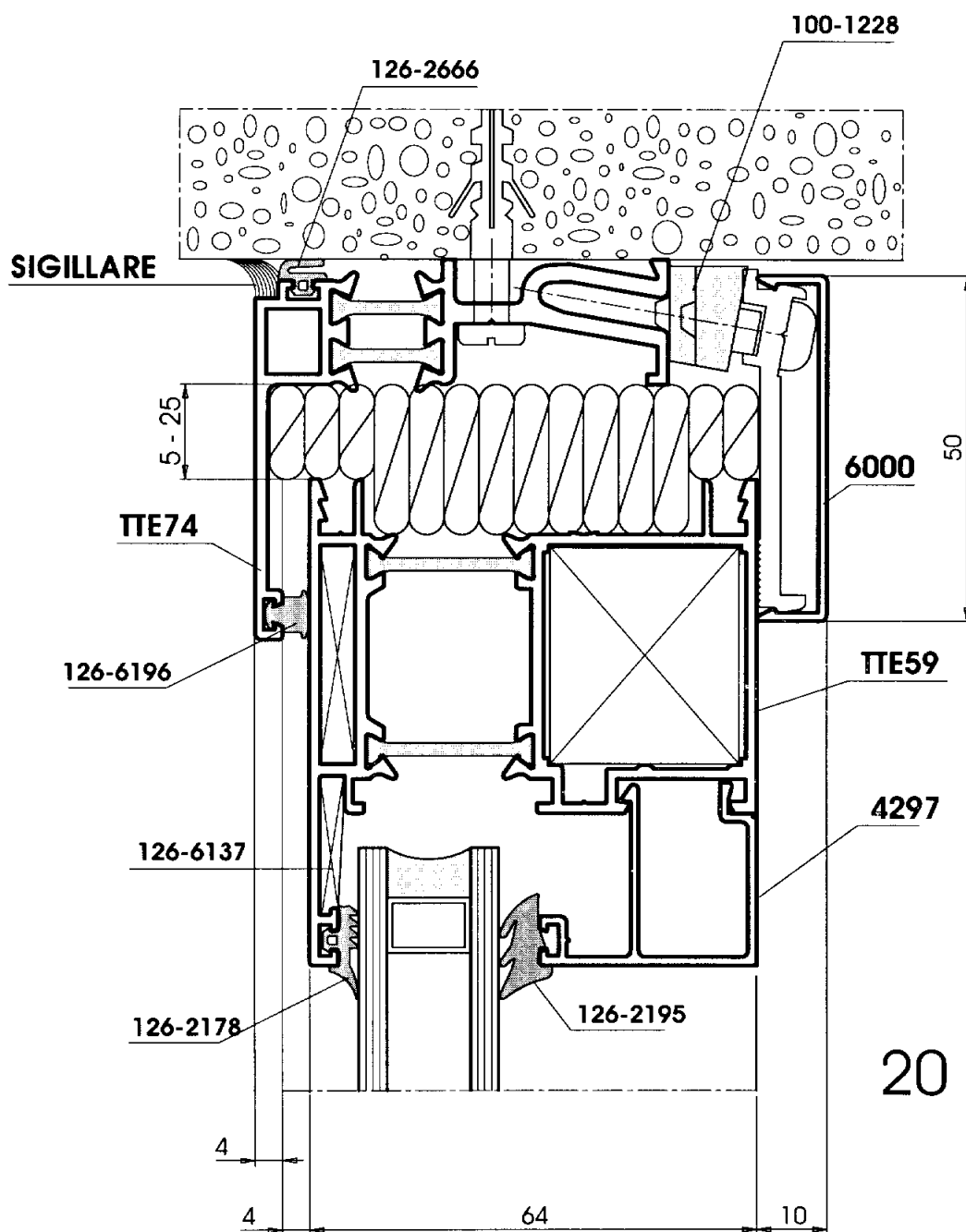


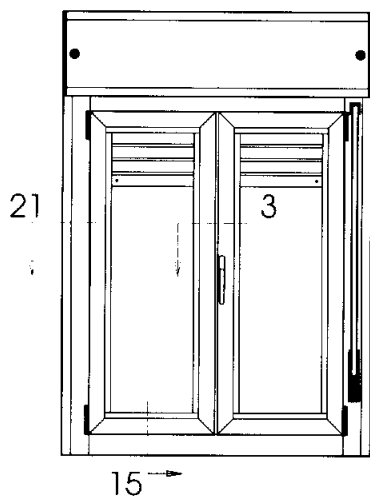




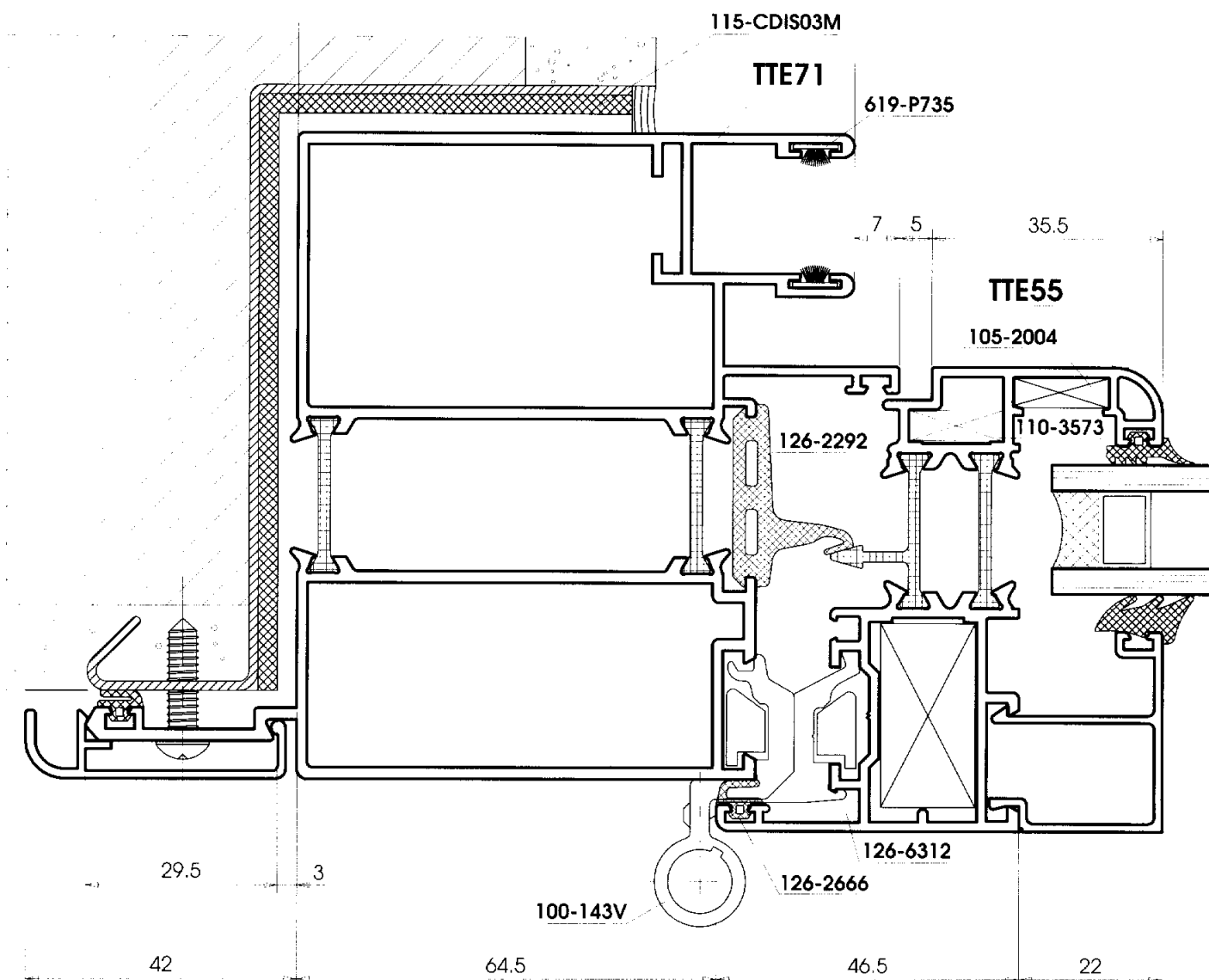


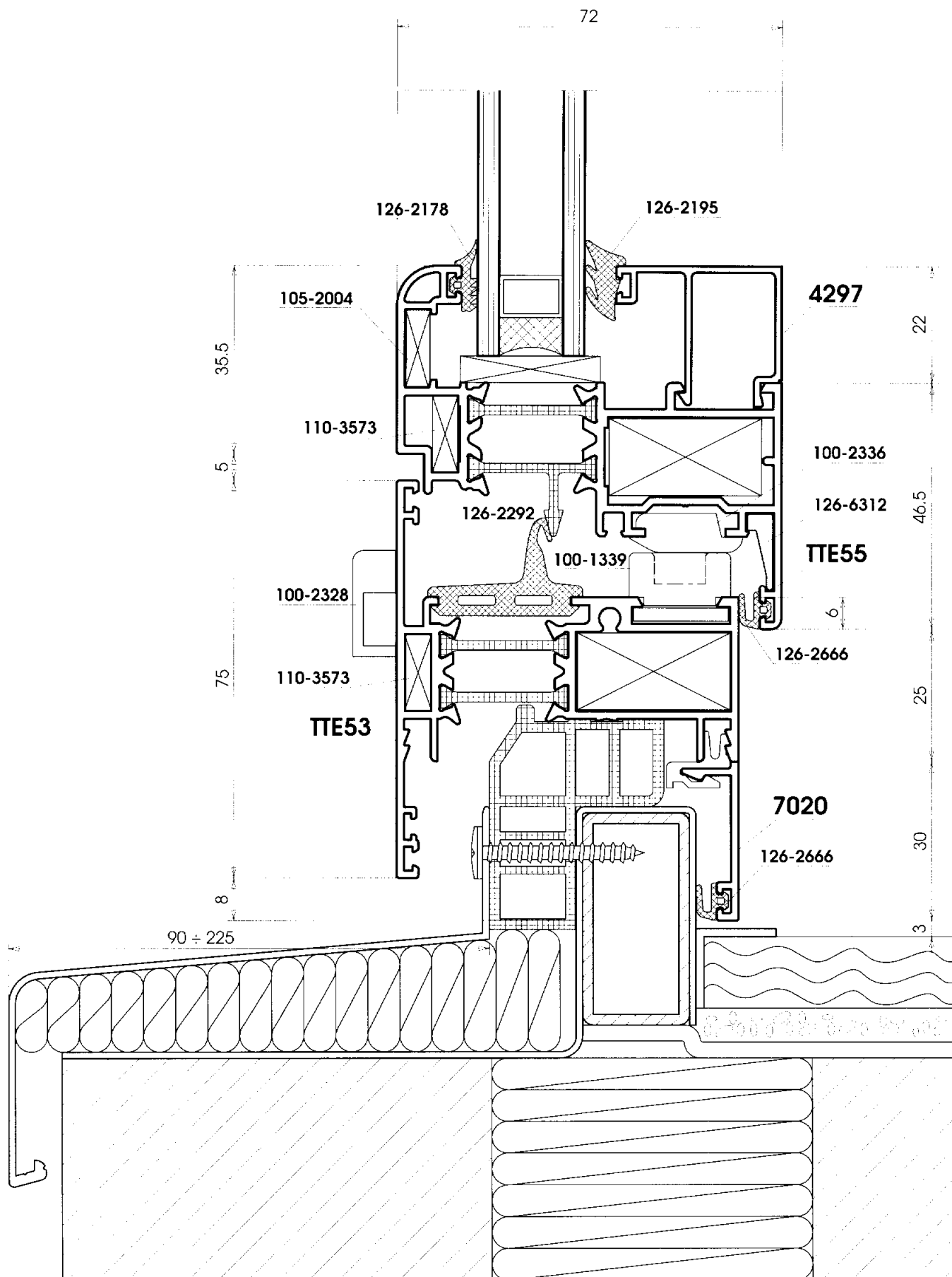


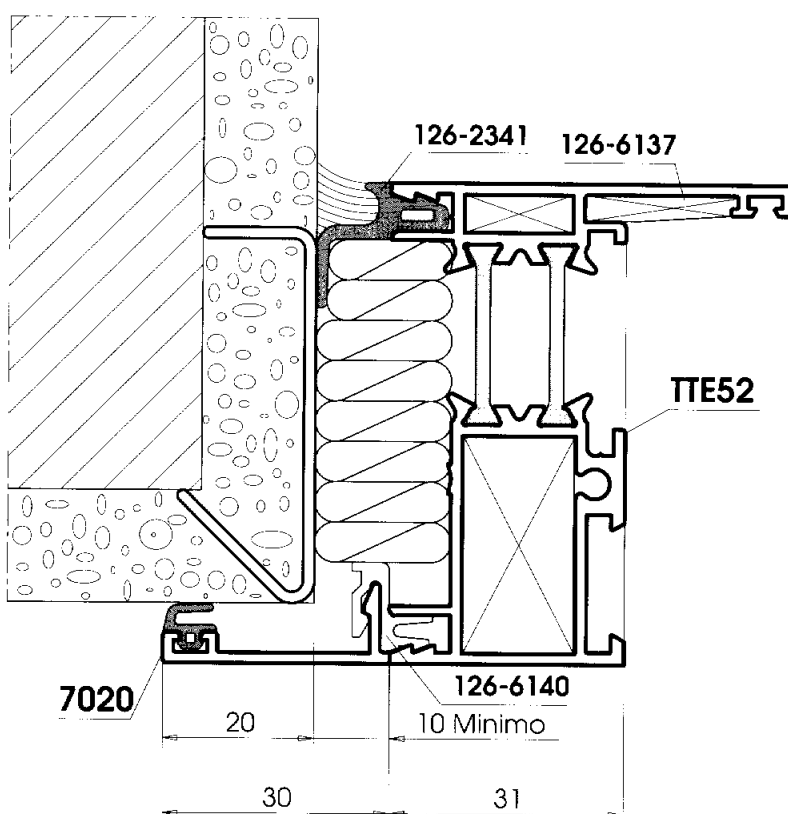
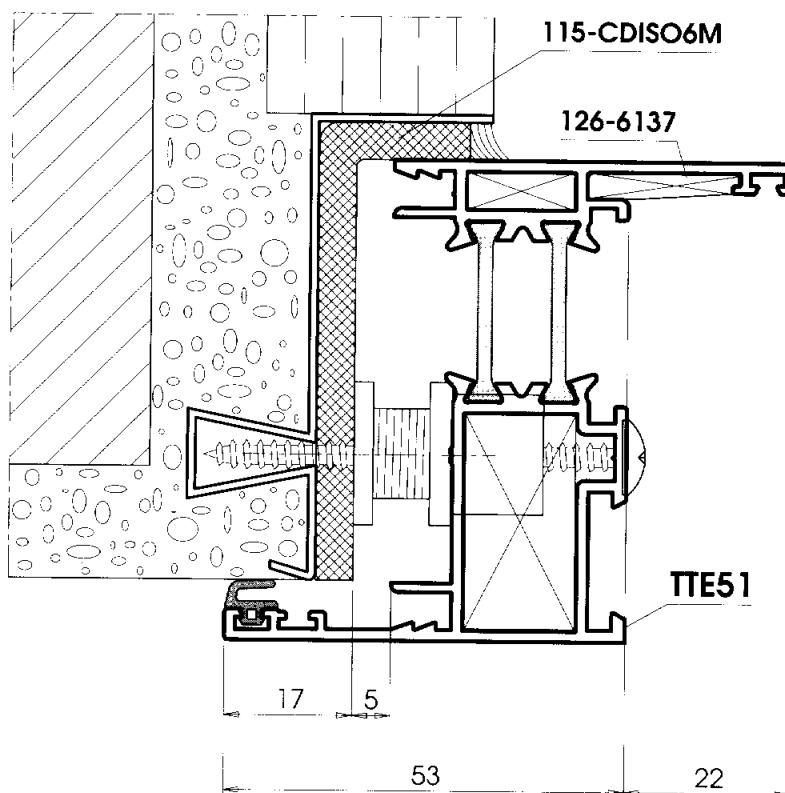


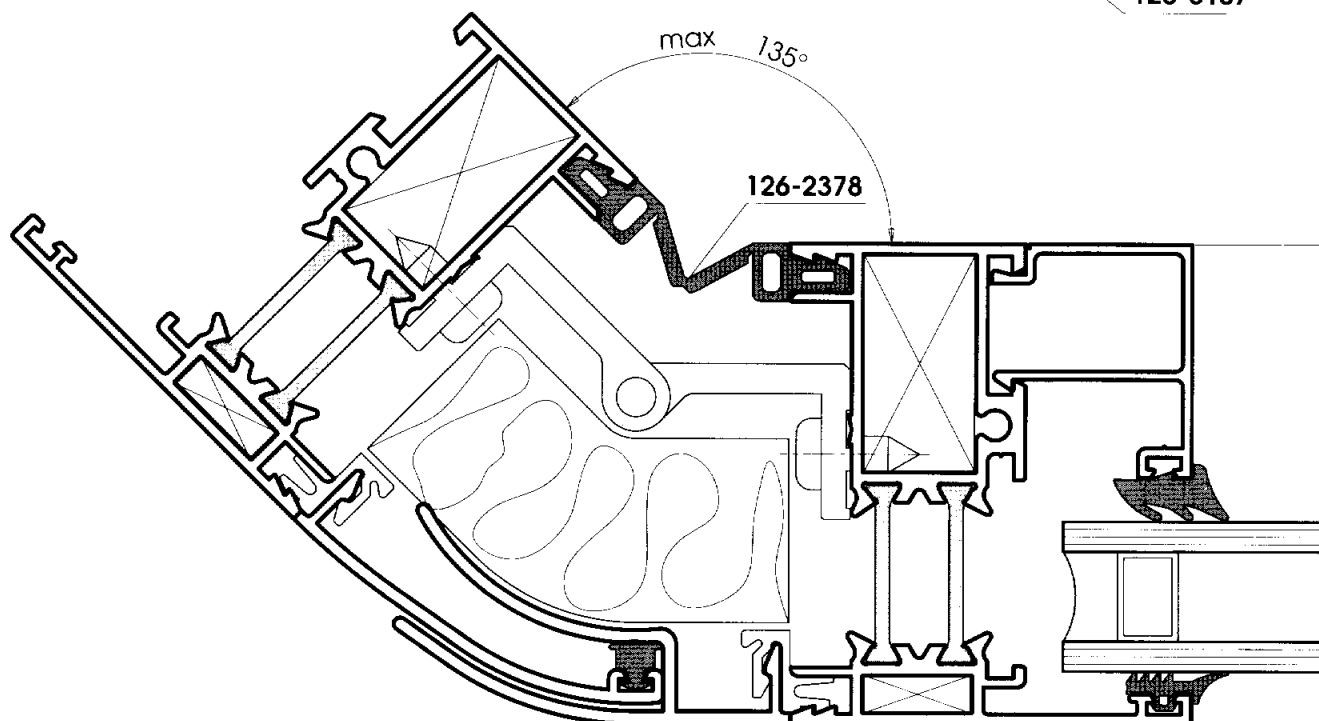
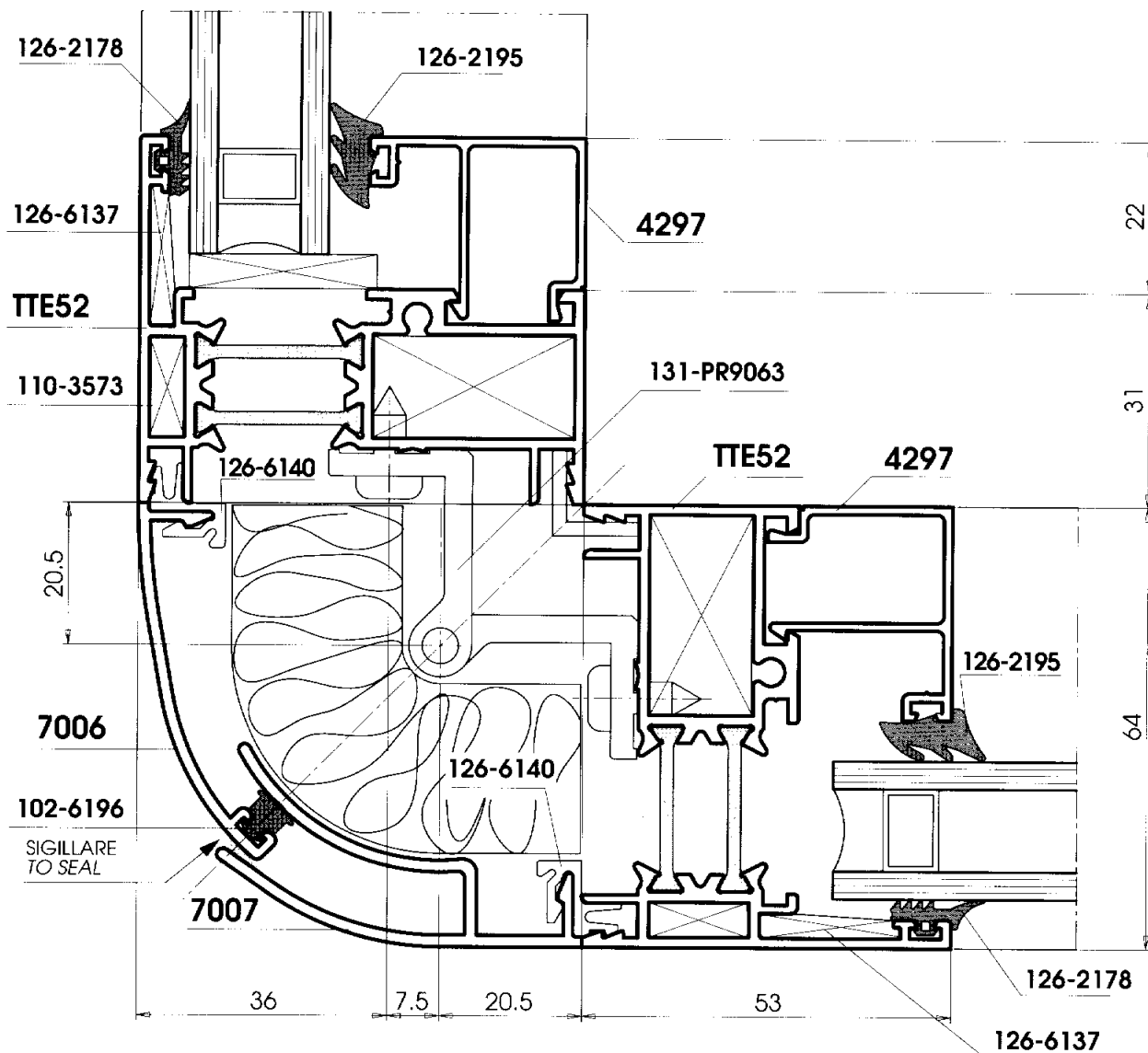


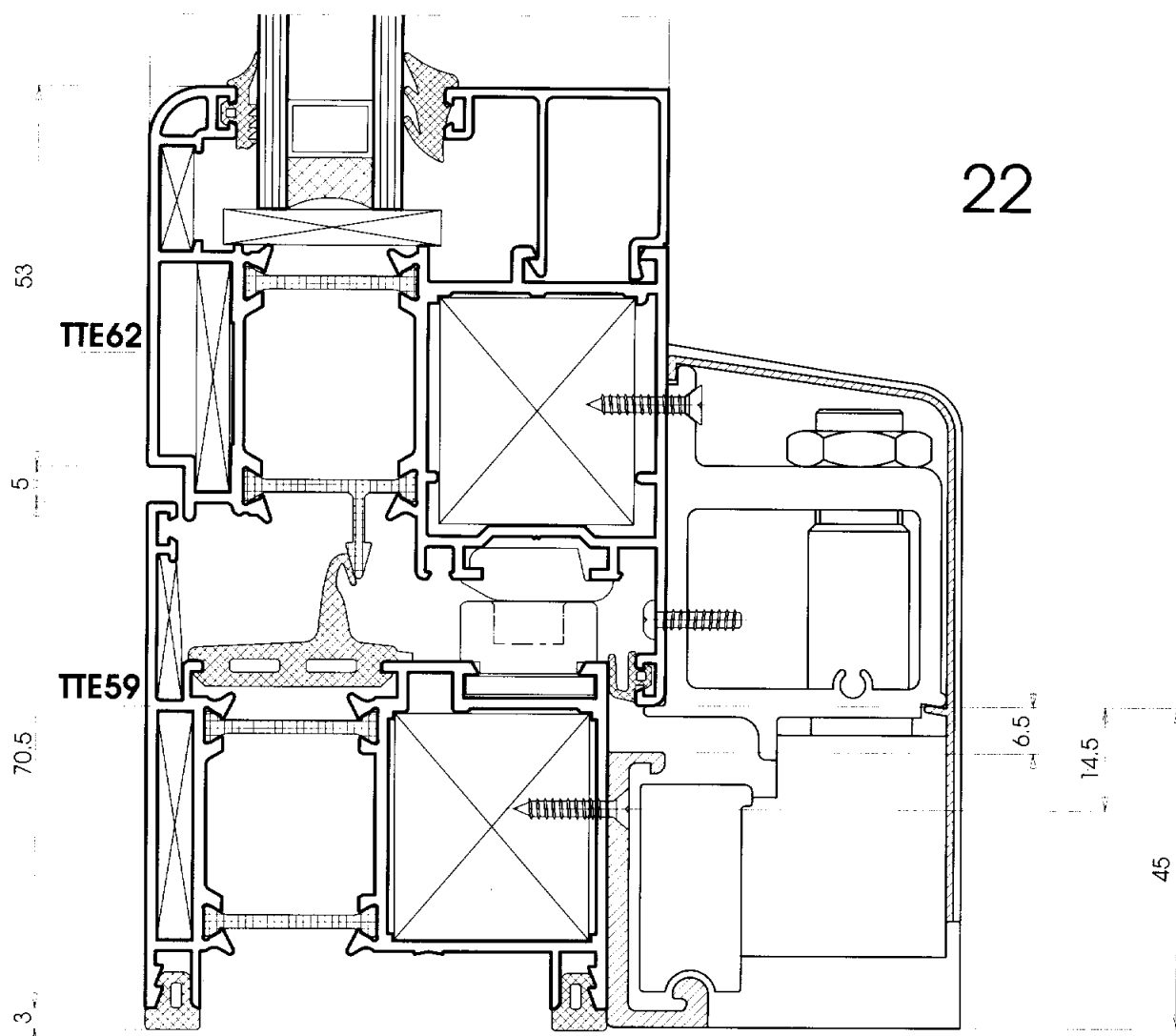
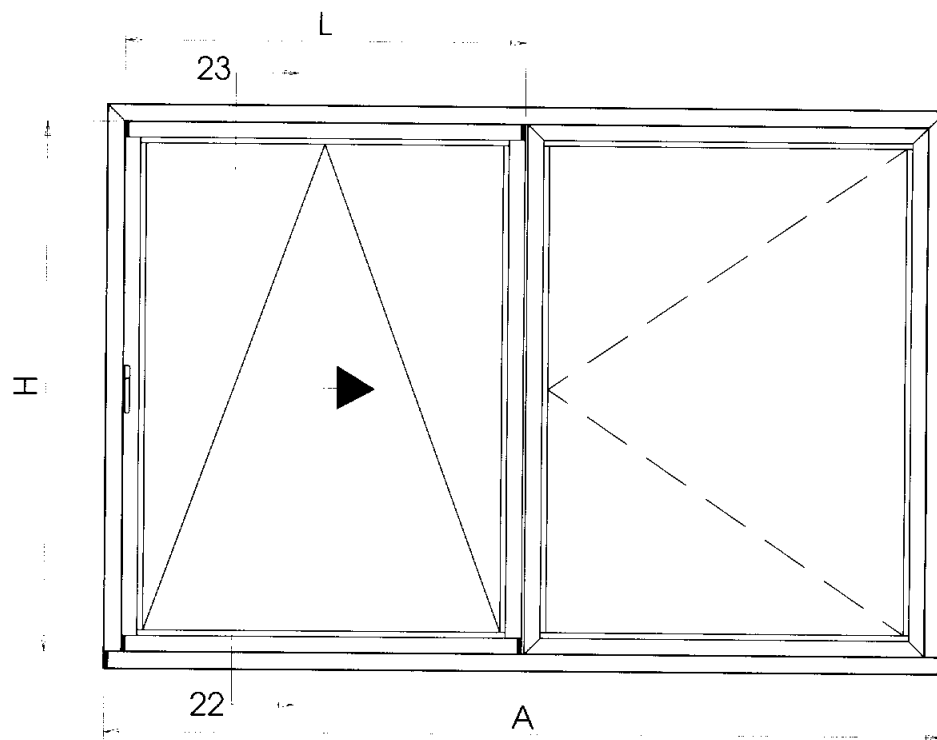
21

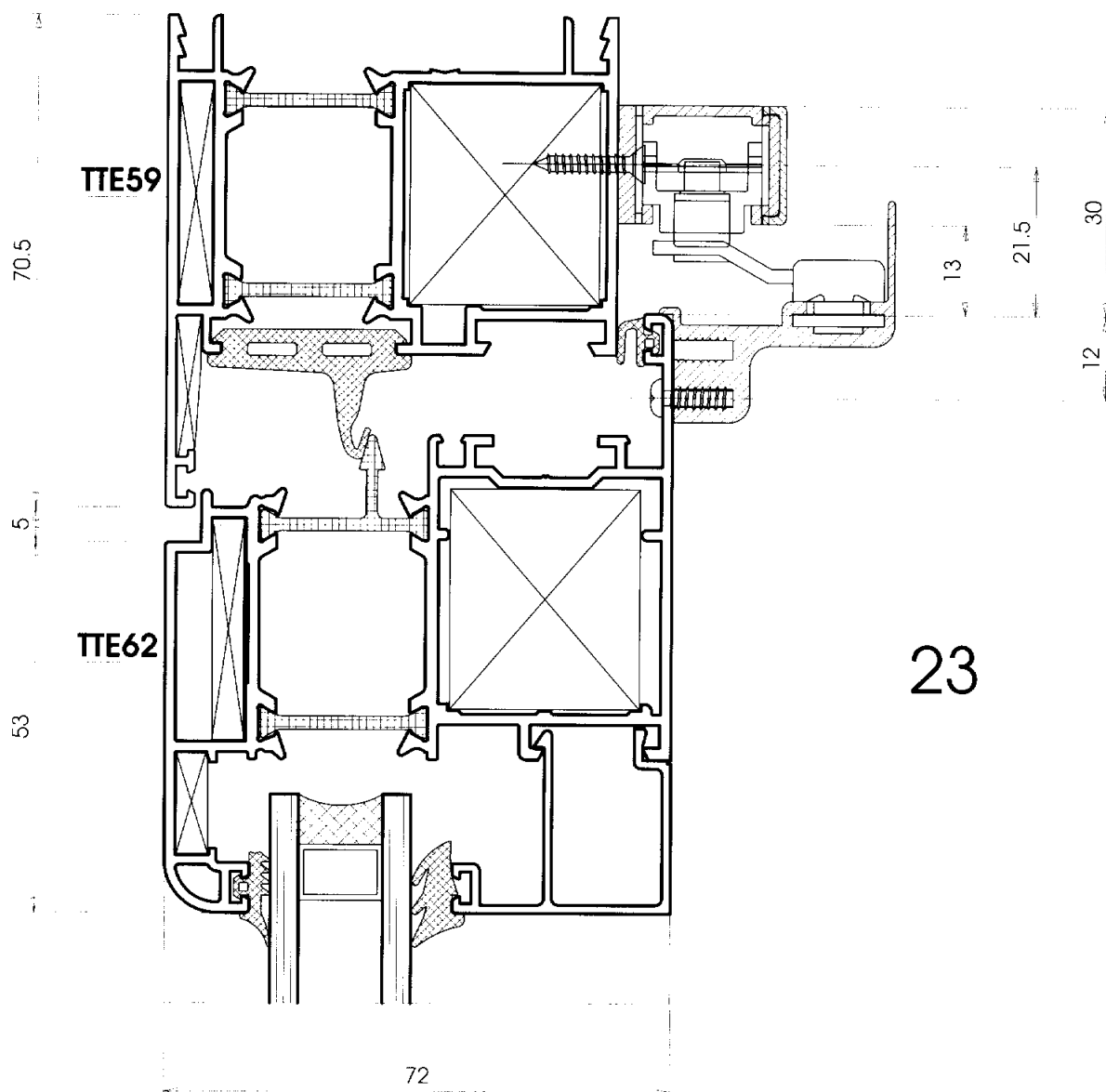






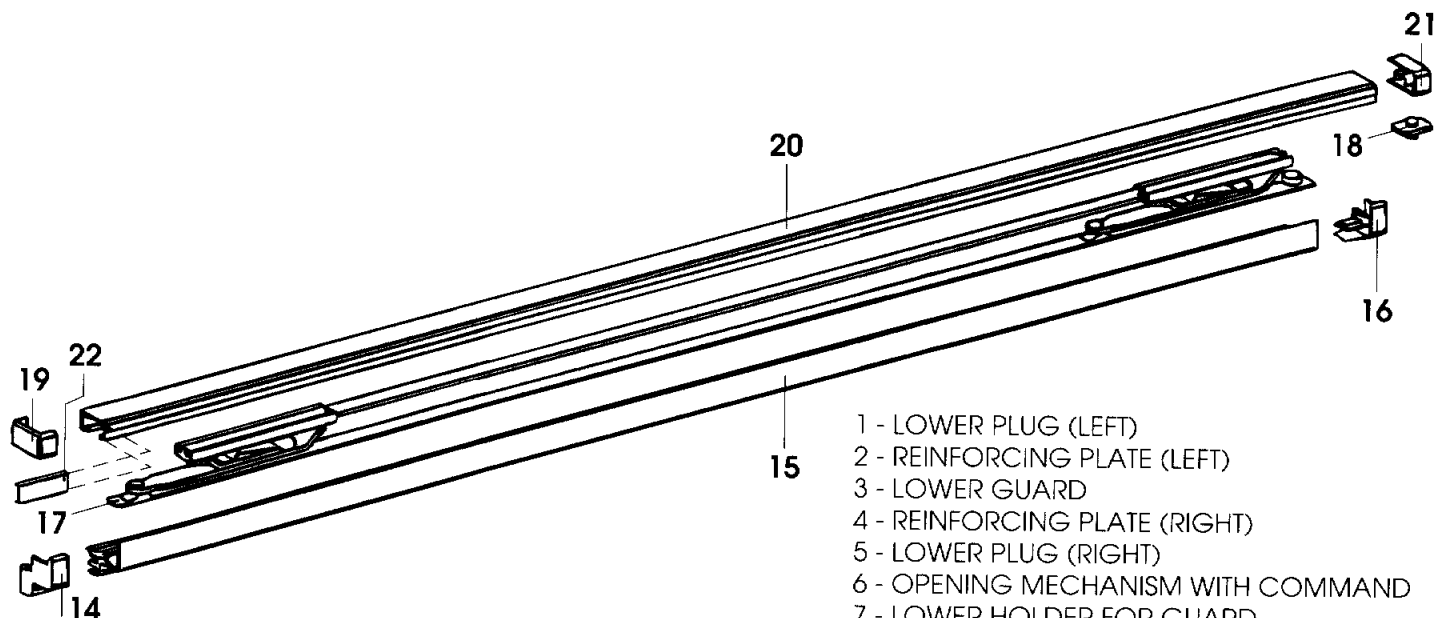






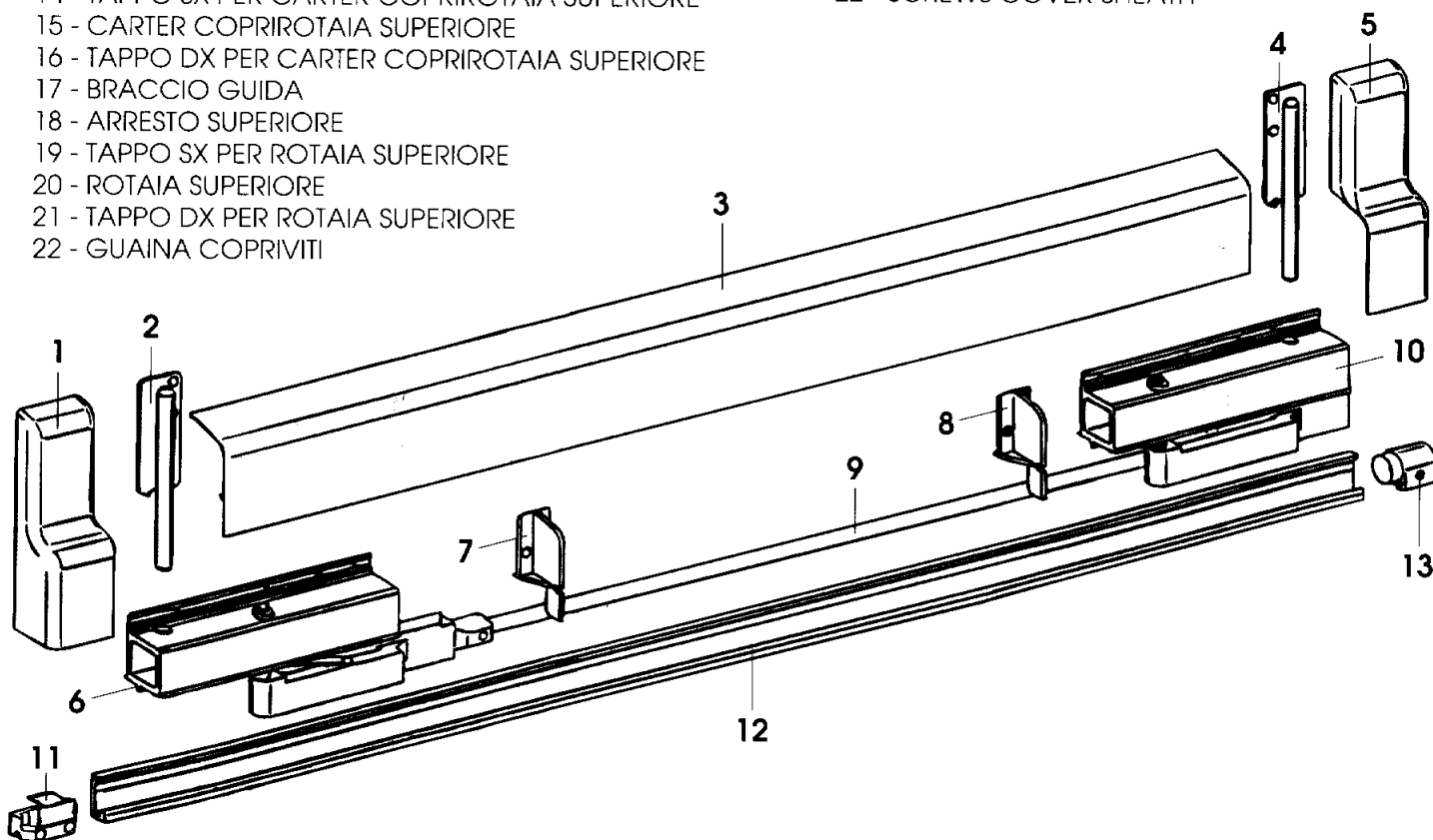
NB. PER GLI ACCESSORI, RICHIEDERE MODULO D'ORDINE E COMPILARLO
PER LA TIPOLOGIA NECESSARIA.
LE CONDIZIONI DI VENDITA VERRANNO PRECISATE SU SPECIFICA RICHIESTA.

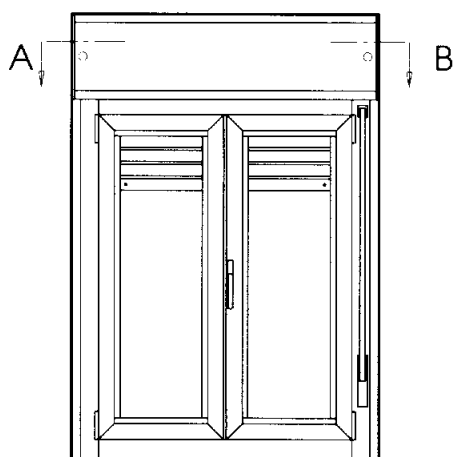
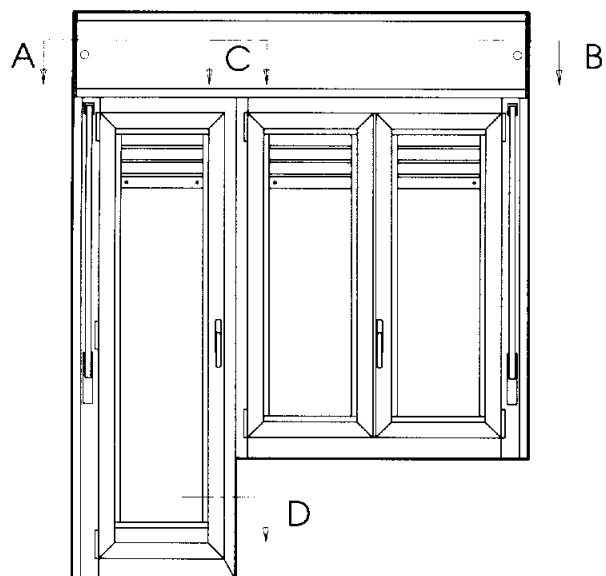
FOR THE ACCESSORIES, ORDER SCHEDULE SHOULD BE DEMANDED AND
FULLFILLED ACCORDING TO THE REQUIRED TYPOLOGY.
SALES CONDITIONS WILL BE SPECIFIED WHEN REQUIRED.



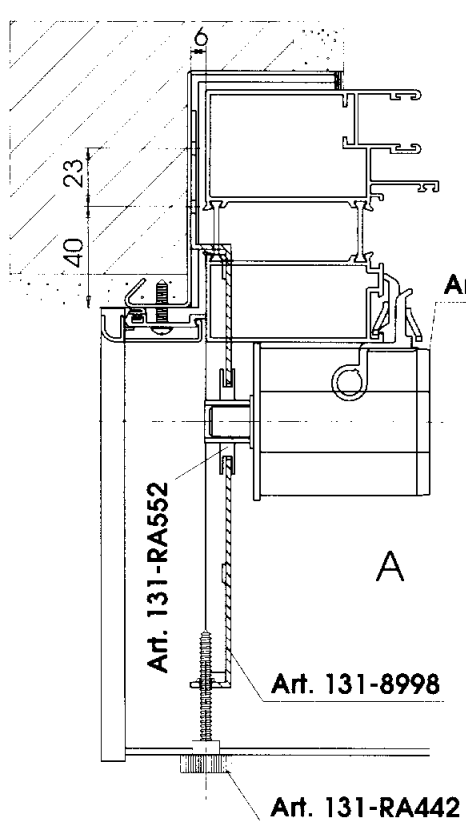
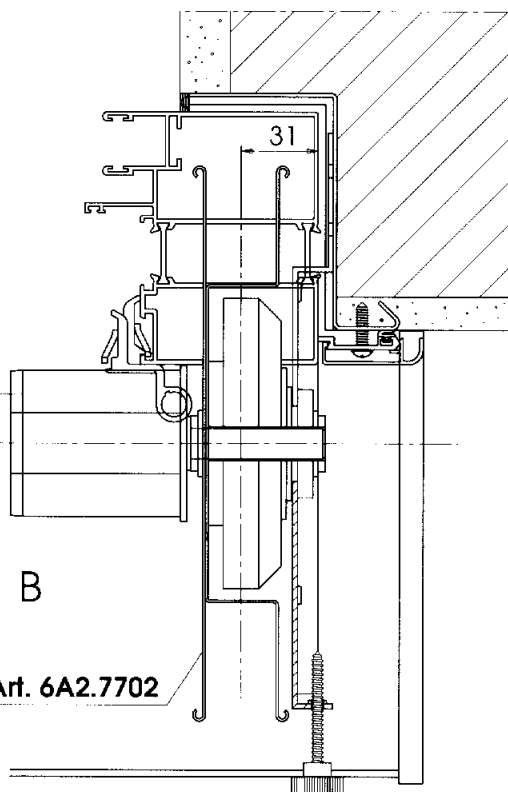
- 1 - TAPPO INFERIORE SX
- 2 - RINFORZO SX
- 3 - CARTER INFERIORE
- 4 - RINFORZO DX
- 5 - TAPPO INFERIORE DX
- 6 - CARRELLO CON COMANDO (DX o SX)
- 7 - SUPPORTO CARTER INFERIORE
- 8 - SUPPORTO CARTER INFERIORE
- 9 - ASTA DI COLLEGAMENTO
- 10 - CARRELLO SENZA COMANDO (DX o SX)
- 11 - INCONTRO DI COMANDO (DX o SX)
- 12 - ROTAIA INFERIORE
- 13 - ARRESTO INFERIORE (DX o SX)
- 14 - TAPPO SX PER CARTER COPRIROTAIA SUPERIORE
- 15 - CARTER COPRIROTAIA SUPERIORE
- 16 - TAPPO DX PER CARTER COPRIROTAIA SUPERIORE
- 17 - BRACCIO GUIDA
- 18 - ARRESTO SUPERIORE
- 19 - TAPPO SX PER ROTAIA SUPERIORE
- 20 - ROTAIA SUPERIORE
- 21 - TAPPO DX PER ROTAIA SUPERIORE
- 22 - GUAINA COPRIVITI

- 1 - LOWER PLUG (LEFT)
- 2 - REINFORCING PLATE (LEFT)
- 3 - LOWER GUARD
- 4 - REINFORCING PLATE (RIGHT)
- 5 - LOWER PLUG (RIGHT)
- 6 - OPENING MECHANISM WITH COMMAND
- 7 - LOWER HOLDER FOR GUARD
- 8 - LOWER HOLDER FOR GUARD
- 9 - CONNECTION ROD
- 10 - OPENING MECHANISM WITHOUT COMMAND
- 11 - REST PLATE FOR OPENING COMMAND
- 12 - LOWER RAIL
- 13 - LOWER STOP (LEFT OR RIGHT)
- 14 - PLUG (LEFT) FOR UPPER GUARD
- 15 - UPPER GUARD
- 16 - PLUG (RIGHT) FOR UPPER GUARD
- 17 - SCISSOR UPPER GUIDE
- 18 - UPPER STOP
- 19 - PLUGE (LEFT) FOR UPPER RAIL
- 20 - UPPER RAIL
- 21 - PLUG (RIGHT) FOR UPPER RAIL
- 22 - SCREWS COVER SHEATH





Art. 6A6.6813

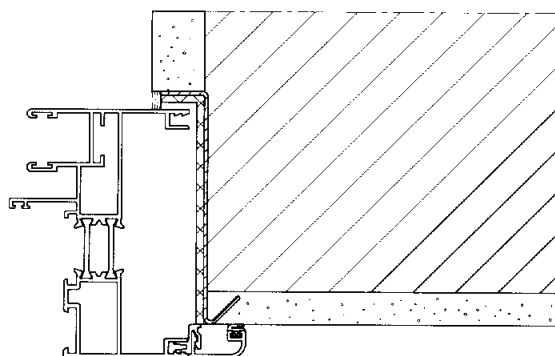
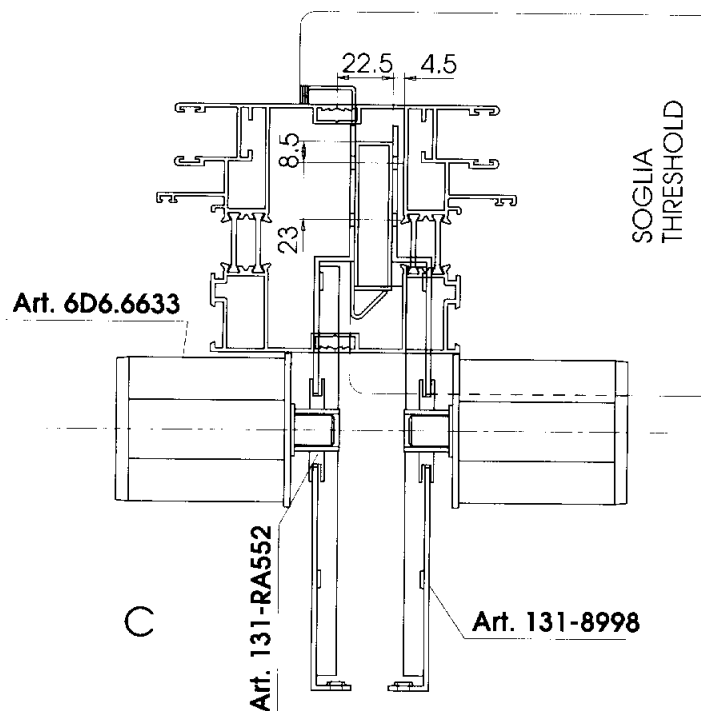


Art. 6D6.6633

Art. 136-1123

B

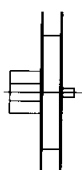
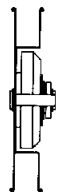
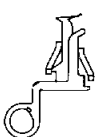
Art. 6D5.3773



D

NB. GLI ACCESSORI A FIANCO INDICATI SONO DI PRODUZIONE STANDARD E NON A STOCK. VERRANNO FORNITI A RICHIESTA.

THE SHOWN ACCESSORIES ARE OF STANDARD PRODUCTION AND ARE SUPPLIED AT REQUEST.

ARTICOLO ACCESSORI ITEM ACCESSORIES	DESCRIZIONE DESCRIPTION
6D5.3773 	PULEGGIA IN NYLON PORTATA Kg 18 NYLON PULLEY FOR 18 Kg Max
6A2.7702 	PULEGGIA CON RIDUTTORE PORTATA Kg 28 Max PULLEY WITH REDUCTION GEAR FOR 28 Kg Max
6D6.6633 	CALOTTA IN NYLON LATO OPPOSTO PULEGGE Art. 6D5.3773 E 6A2.7702 E BIFORA NYLON CAP FOR OPPOSITE OF PULLEY
6A6.6813 	CALOTTA INSERITA NELLA PULEGGIA Art. 6A2.7702 CAP TO BE INSERTED IN THE PULLEY
6B4.4260 	RULLO ROLL
6D3.1829/30	CINTINO 20x1.2 STRAP
136-1123 	CERNIERA HINGE
NB. PER PORTATE DA 28 A 32 Kg UTILIZZARE MOVIMENTAZIONE CON ARGANELLO PER PORTATE SUPERIORI A 32 Kg UTILIZZARE MOVIMENTAZIONE ARGANELLO E MOLLA DI COMPENSAZIONE FOR WEIGHTS 28-32 Kg A GEAR HAS TO BE USED. FOR WEIGHTS OVER 32 Kg A GEAR WITH A COMPENSATION SPRING HAS TO BE USED.	