

### Note tecniche

#### Destinazione d'uso

Il sistema di profilati **PBS78TH PLUS** consente la realizzazione di serramenti a battente ad elevate prestazioni di isolamento termico, destinati all'impiego in edilizia ed industriale. L'isolamento termico è ottenuto mediante barrette di poliammide, inserite mediante infilaggio e rullatura meccanica in apposite sedi, che collegano tra loro i singoli profilati estrusi di lega di alluminio costituenti, rispettivamente, le parti interne ed esterne del serramento.

#### Caratteristiche generali

I serramenti sono realizzati utilizzando i suddetti profilati, assemblati con taglio a 45° mediante squadrette in lega di alluminio inserite all'interno delle tubolarità dei profilati.

Le tipologie dei serramenti che si possono ottenere con i profilati della serie **PBS78TH PLUS** sono innumerevoli. Tra le più tipiche applicazioni citiamo a titolo d'esempio le seguenti: finestra ad una o più ante apribili mediante rotazione intorno ad assi verticali laterali, finestra ad anta a "vasistas", apribile mediante rotazione attorno ad asse orizzontale, finestra ad anta ribalta, apribile mediante rotazione attorno ad asse verticale e orizzontale (oscillo-battente), portoncini complanari con apertura interna o esterna, bilici orizzontali e verticali, specchiature fisse, vetrine, etc.

Le principali caratteristiche dimensionali delle sezioni costituenti il sistema **PBS78TH PLUS** sono le seguenti:

• Telaio fisso	mm 70
• Anta finestra	mm 78
• Anta portoncino	mm 70
• Sovrapposizione del telaio fisso alla muratura	mm 27
• Altezza parete d'appoggio vetro	mm 22
• Massimo spessore vetro (o pannellatura)	mm 50

I vetri vengono bloccati con fermavetro a scatto.

Le sedi di alloggiamento degli accessori hanno dimensioni standard conformi a quelle previste per la camera Europea.

La tenuta all'aria e all'acqua è ottenuta mediante guarnizione centrale a giunto aperto. La guarnizione di battuta parapolvere e antirumure è inserita nell'apposita cava dell'aletta interna dell'anta.

#### Caratteristiche dei profilati

I profilati sono estrusi in lega EN AW-6060 allo stato di fornitura T5. Il peso specifico di ciascun articolo della serie, espresso in g/m, è quello teorico e potrà variare in funzione delle tolleranze dimensionali, conformi a quanto previsto dalla norma EN 12020 – 2.

#### Taglio dei profilati

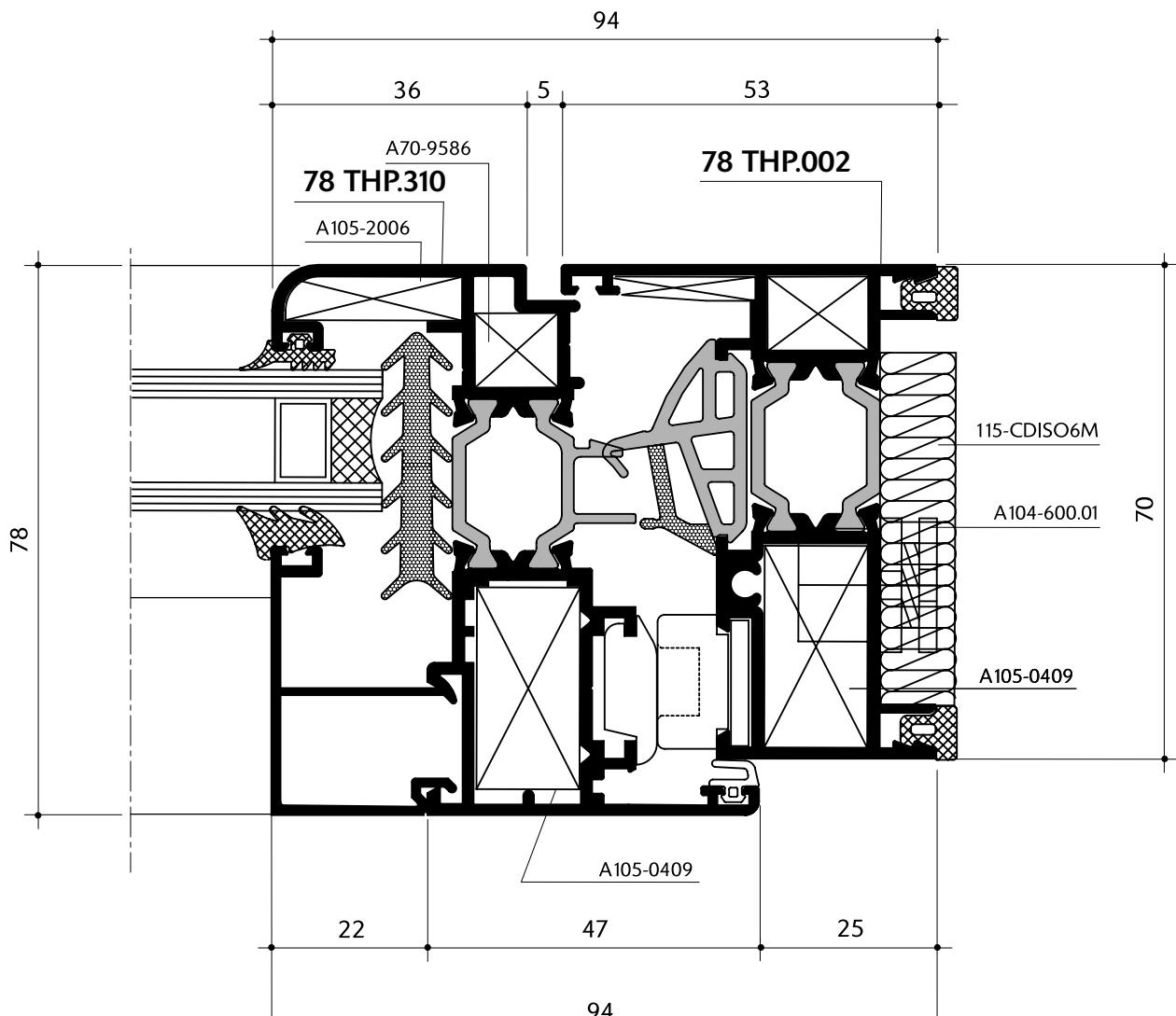
Il presente catalogo riporta le distinte di taglio e gli schemi di lavorazione dei profilati. Le dimensioni riportate sono quelle teoriche; nella buona pratica devono essere effettuati idonei arrotondamenti conseguenti alla tecnica ed alle attrezzature di officina utilizzate per il taglio dei profilati.

**Si raccomanda in ogni caso, prima di procedere con la produzione di serie è necessario effettuare delle campionature di prova.**

#### Finiture superficiali

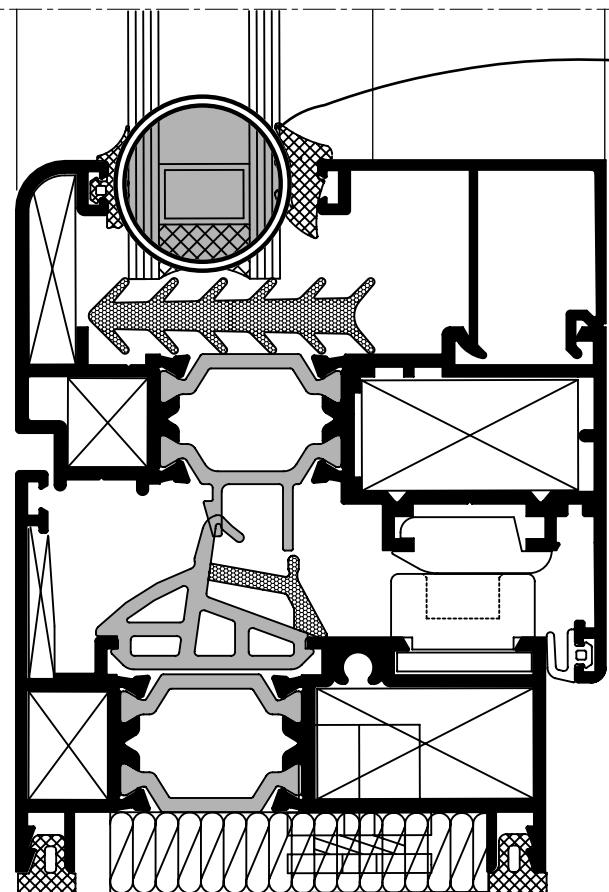
A garanzia di maggiore qualità estetica e di resistenza agli agenti esterni, i profilati devono essere trattati superficialmente presso aziende di ossidazione anodica e/o di verniciatura, rispettivamente a marchio QUALANOD e QUALICOAT.

**Misura trasmittanza termica**

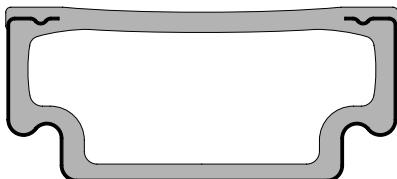


Norme di riferimento	Prova n°
<b>UNI EN ISO 10077-2:2004</b>	<b>IRcCOS/MI 0047BIS/RP/09 del 26.05.2009</b>
<b>Uf 2,27 W/m<sup>2</sup>K.</b>	

**Valori  $\Psi$  bordo vetro certificati da IRcCOS**



**particolare ingrandito distanziale vetro  
(bordo caldo)  
della Technoform Glass Insulation GmbH**



■ polipropilene  $\lambda$  0,22 W/m K

■ acciaio inox  $\lambda$  25 W/m K

**IRcCos N° rapporto: 0029/RP/09 del 12/02/2009**

Vetro	3-16-3	4-16-4	4/4-16-4	4/4-16-3/3
Ug	1,1	1,1	1,1	1,1
$\Psi$	0,05	0,06	0,07	0,06

### Riepilogo limiti di trasmittanza termica dei serramenti

D.Lgs. n° 311 del 29/12/2006 e successive modifiche*	
Zona climatica	Uw dal 1 gennaio 2008
A	4,6
B	3
C	2,6
D	2,4
E	2,2
F	2

### Limiti di trasmittanza termica per accedere alle detrazioni del 55%\*

Uw fino al 31 dicembre 2009	Uw dal 1 gennaio 2010
4,6	3,7
3	2,4
2,6	2,1
2,4	2
2,2	1,8
2	1,6

\*dati aggiornati al febbraio 2010

con la serie **PBS 78TH PLUS** è possibile accedere alla **detrazione del 55% dal 1° gennaio 2010** nella fascia E utilizzando vetri con **Ug 1,1** come dimostrato dal seguente calcolo:



Profilati Brescia Sistemi s.r.l.  
Via F. Petrarca, 26 - 25020 Flero (BS) - Tel. 030 3583285 - Fax 030 3583590  
www.profilatibrescia.it - E-Mail: info@profilatibrescia.it

**TECHNOFORM BAUTEC** 

**VERIFICA RISPETTO DECRETO LEGISLATIVO 311 DEL 29 DICEMBRE 2006**

**battente e libro**

Selezione il comune		Brescia (BS)		Gradi giorno		Zona climatica				
Alt (mm)	Largh (mm)	N°ante	Uf <sub>i</sub>	Uf <sub>c</sub>	Uf <sub>medio</sub>	Ug	Dimensione nodo anta / telaio (mm)	Dimensione nodo centrale (mm)	Combinazione vetro telaio	Intercalare del vetro isolante
1480	1230	2	2,27	2,31	2,28	1,10	94,0	143,0	Telaio in all. Taglio Termico + vetro basso emissivo	Intercalare caldo (warm edge): es. TGI

PSI immesso manualmente 0,06

Ag 1,16  
Af 0,66  
Ψ immesso 0,06      Valori di PSI secondo ISO 10077-1: 2006 allegato E  
Ig 6,966  
Af centrale 0,18

dato da inserire
Periodo da verificare gen 2008 - giugno 2008
Uw = 1,76

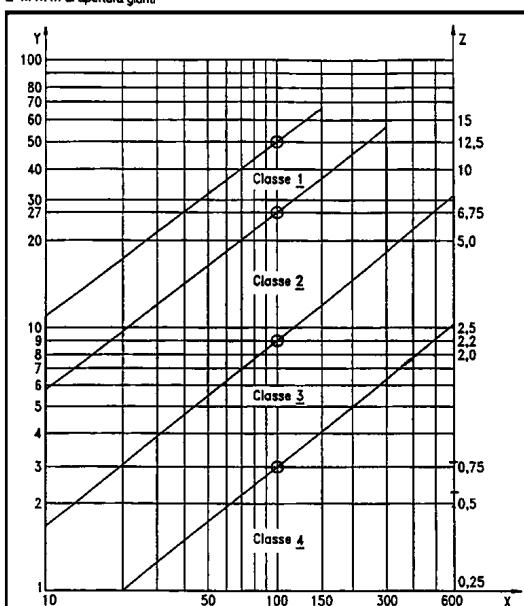
Le prove di permeabilità all'aria, tenuta all'acqua e resistenza al vento sono state effettuate secondo la metodologia prevista rispettivamente dalle norme UNI EN 1026, UNI EN 1027 e UNI EN 12211.

I risultati delle prove hanno consentito di classificare i serramenti testati in conformità con le norme UNI EN citate nella tabella seguente.

### RIEPILOGO NORME

Permeabilità all'aria secondo UNI EN 12207 (classificazione)			Tenuta all'acqua secondo UNI EN 12208 (classificazione)			Resistenza al vento secondo UNI EN 12210 (classificazione)		
Pressione (Pa)	Metodo di prova A	Metodo di prova B	Classificazione al carico del vento	P1 (Pa)	P2 (Pa)	P3 (Pa)		
0	1A	1B	0					
50	2A	2B	1	400	200	600		
100	3A	3B	2	800	400	1200		
150	4A	4B	3	1200	600	1800		
200	5A	5B	4	1600	800	2400		
250	6A	6B	5	2000	1000	3000		
300	7A	7B	Exxxx	xxxx				
450	8A							
600	9A							
>600	Exxx							

**Classificazione**  
**Legenda**  
X Pressione in Pa  
Y m<sup>3</sup>/h m<sup>2</sup> dell'area totale  
Z m<sup>3</sup>/h m di apertura giunti



Per pressioni superiori a 600 Pa step successivi con cadenza di 150 Pa  
A – prodotti pienamente esposti  
B – prodotti parzialmente protetti

I campioni sottoposti a prova con un carico di vento superiore a classe 5, vengono classificati Exxxx dove xxx è la pressione di prova

**Classificazione della freccia relativa frontale**

La freccia relativa frontale dell'elemento più deformato del telaio, misurata ad una pressione di prova P1, deve essere classificata come indicato nella tabella seguente

Classe	Freccia relativa frontale
A	< 1/150
B	< 1/200
C	< 1/300

La classe finale è data dalla combinazione delle due tabelle come risulta nel seguito

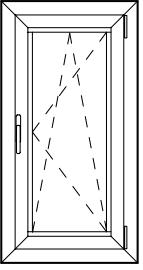
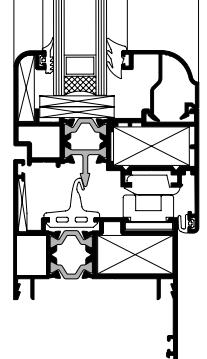
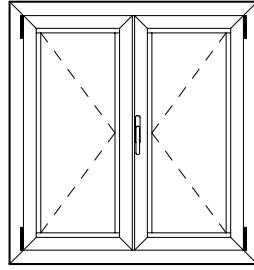
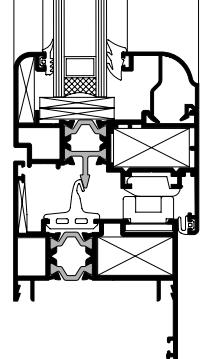
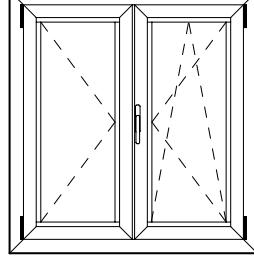
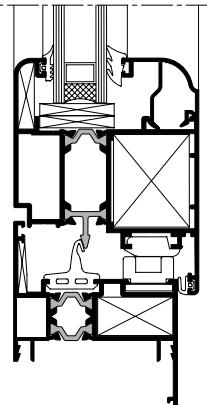
Classe di pressione vento	A	B	C
1	A1	B1	C1
2	A2	B2	C2
3	A3	B3	C3
4	A4	B4	C4
5	A5	B5	C5
Exxxx	AExxxx	BExxxx	CExxxx

**RIEPILOGO NORME**

Per il concetto di "similar design" riportato nella norma di prodotto UNI EN 14351-1, i risultati delle prove effettuate sulla serie PBS 70 TH possono essere estese anche alla serie PBS 78 TH PLUS, poiché migliorativa.

Pertanto riportiamo di seguito i valori dei certificati relativi alla tenuta aria, acqua e vento della serie PBS 70 TH

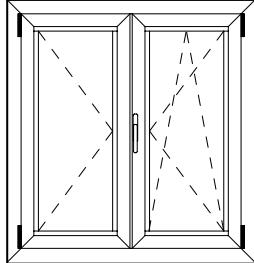
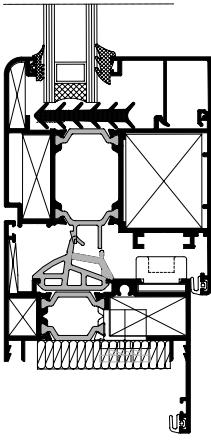
**RIEPILOGO PROVE SERIE PBS70TH**

Permeabilità all'aria	Tenuta all'acqua	Resistenza al vento	ITC (MI) N° rapporto
<b>CLASSE 4</b>	<b>E1050</b>	<b>C5</b>	3657/RP/03 08.09.2003
			
<b>CLASSE 4</b>	<b>E750</b>	<b>C5</b>	4297/RP/06 21.12.2006
			
<b>CLASSE 4</b>	<b>9A</b>	<b>C4</b>	4298/RP/06 21.12.2006
			

Per ulteriore verifica e conferma di quanto affermato circa l'estendibilità delle prove effettuate sulla serie PBS 70 TH alla serie PBS 78 TH PLUS, abbiamo sottoposto a prova il campione a 2 ante con anta a ribalta delle dimensioni L (larghezza) = 1785 mm e H (altezza) 2185 mm realizzato con profilati della nuova serie; i risultati ottenuti sono quelli esposti di seguito.

Pertanto quanto affermato è avallato dai risultati ottenuti.

### RIEPILOGO PROVE SERIE PBS 78 TH PLUS

  L (larghezza) = 1785 mm H (altezza) = 2185 mm	Permeabilità all'aria	Tenuta all'acqua	Resistenza al vento	IRcCos Nº rapporto  1994-CPD RP0151 del 23/04/09
	<b>CLASSE 4</b>	<b>E750</b>	<b>C4</b>	

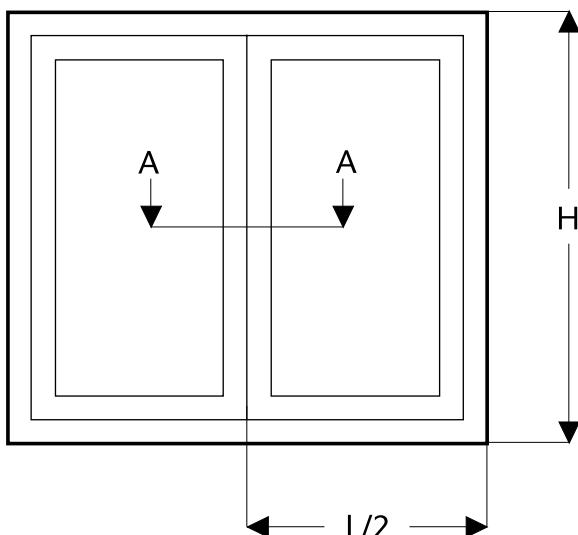
### Note informative

Tutti i dati riportati in questo catalogo sono puramente indicativi, e non impegnativi, per la PROFILATI BRESCIA SISTEMI S.r.l. che ha altresì la facoltà di apportare sullo stesso qualsiasi modifica e aggiornamento che riterrà necessari.

I profilati della serie **PBS78TH PLUS** sono stati brevettati; come tali potranno essere realizzati e/o fatti realizzare solo ed esclusivamente dalla stessa società detentrice del brevetto.

A termini di legge è perciò vietata la riproduzione, anche parziale, se non esplicitamente autorizzata.

Per la costruzione e la posa dei serramenti, realizzati con i profilati della serie **PBS78TH PLUS**, devono essere rispettate le normative specifiche vigenti nelle varie nazioni di utilizzo.



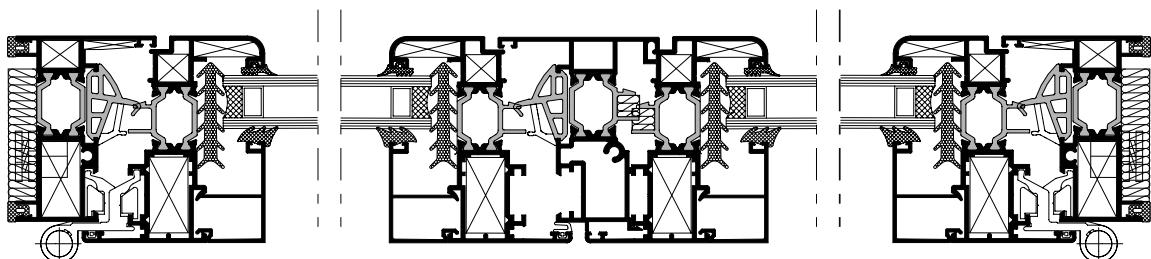
### Grafici dei limiti di impiego

Dai grafici seguenti è possibile stabilire la quota  $L/2$ , vale a dire la larghezza dell'anta di un serramento a battente a due ante di uguali dimensioni, una volta che sia fissata l'altezza  $H$  e verificando che la freccia massima sia compatibile con la deformazione ammessa per il vetro impiegato.

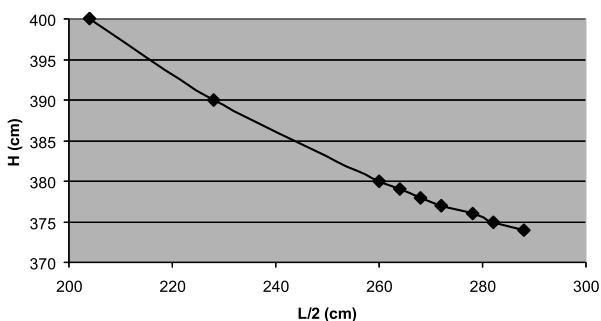
Sezione A-A

NODO CENTRALE

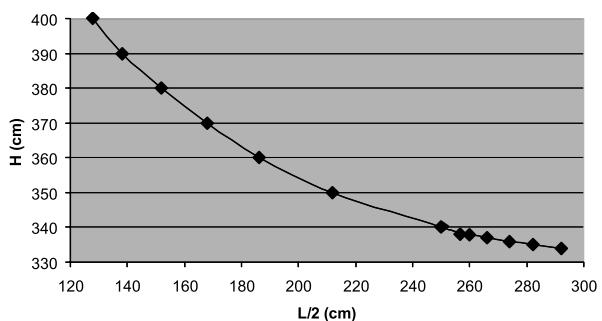
Momento d'inerzia totale rispetto all'asse neutro orizzontale della sezione = 1.089.000 mm<sup>4</sup>



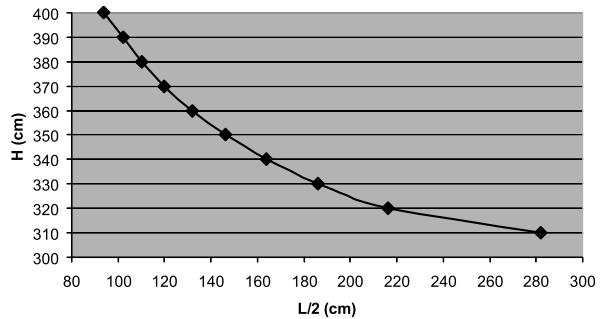
**Freccia massima = 1/200 H**  
**Pressione del vento 500 Pa**



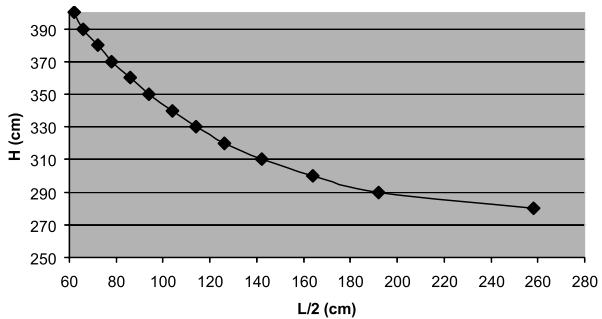
**Freccia massima = 1/300 H**  
**Pressione del vento 500 Pa**

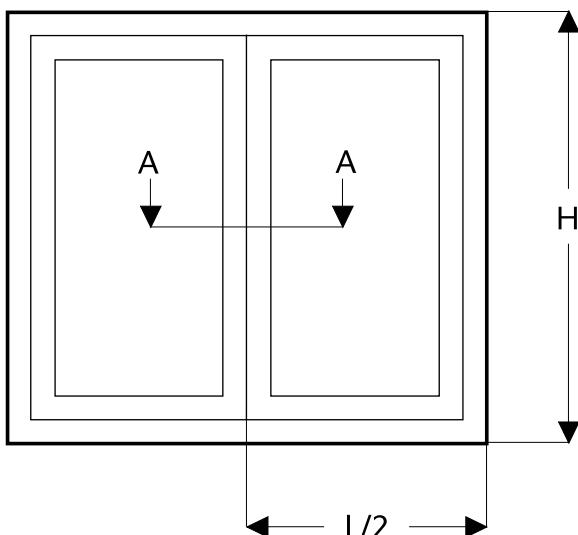


**Freccia massima = 1/200 H**  
**Pressione del vento 1000 Pa**



**Freccia massima = 1/300 H**  
**Pressione del vento 1000 Pa**

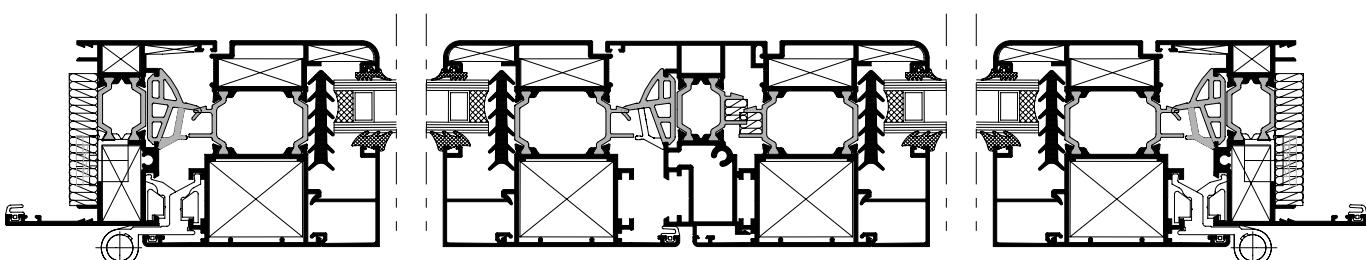




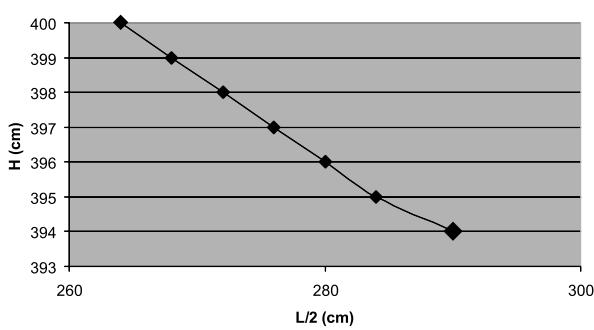
### Sezione A-A

#### NODO CENTRALE

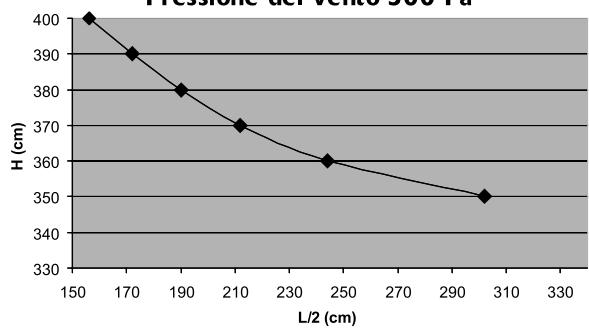
Momento d'inerzia totale rispetto all'asse neutro orizzontale della sezione = 1.309.500 mm<sup>4</sup>



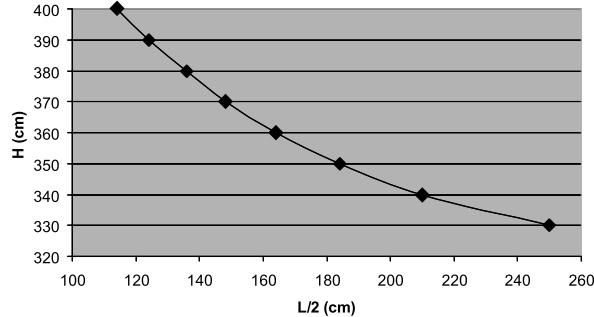
**Freccia massima = 1/200 H**  
**Pressione del vento 500 Pa**



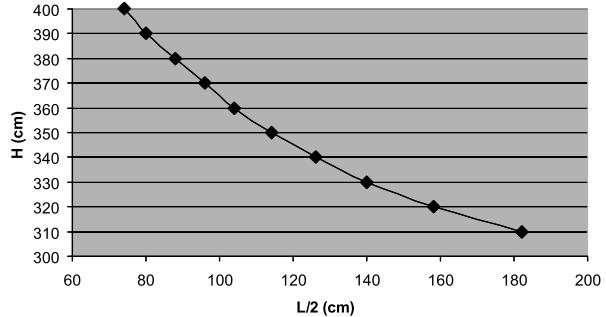
**Freccia massima = 1/300 H**  
**Pressione del vento 500 Pa**



**Freccia massima = 1/200 H**  
**Pressione del vento 1000 Pa**



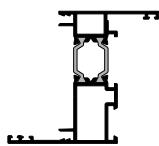
**Freccia massima = 1/300 H**  
**Pressione del vento 1000 Pa**



**78 THP.001**

Peso 1466 gr/m  
Jx 120565 mm<sup>4</sup>  
Jy 344488 mm<sup>4</sup>

**Telaio fisso "Z"**



**78 THP.009**

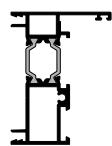
Peso 1973 gr/m  
Jx 394123 mm<sup>4</sup>  
Jy 492189 mm<sup>4</sup>

**Telaio soglia maggiorato**

**78 THP.002**

Peso 1363 gr/m  
Jx 60482 mm<sup>4</sup>  
Jy 278835 mm<sup>4</sup>

**Telaio fisso "L"**



**78 THP.310**

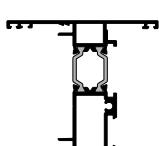
Peso 1530 gr/m  
Jx 99370 mm<sup>4</sup>  
Jy 392973 mm<sup>4</sup>

**Anta**

**78 THP.003**

Peso 1508 gr/m  
Jx 122710 mm<sup>4</sup>  
Jy 324233 mm<sup>4</sup>

**Telaio fisso "T"**



**78 THP.311**

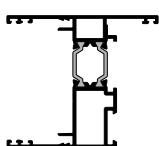
Peso 1869 gr/m  
Jx 266576 mm<sup>4</sup>  
Jy 503228 mm<sup>4</sup>

**Anta maggiorata**

**78 THP.004**

Peso 1611 gr/m  
Jx 170520 mm<sup>4</sup>  
Jy 401876 mm<sup>4</sup>

**Telaio "soglia"**



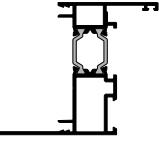
**78 THP.350**

Peso 1505 gr/m  
**Anta sgusciata**

**78 THP.005**

Peso 1565 gr/m  
Jx 239681 mm<sup>4</sup>  
Jy 383443 mm<sup>4</sup>

**Telaio fisso "Z" con aletta 50 mm**



**78 THP.314**

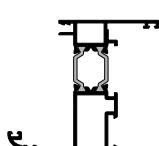
Peso 1467 gr/m  
Jx 76212 mm<sup>4</sup>  
Jy 303056 mm<sup>4</sup>

**Riporto centrale**

**78 THP.062**

Peso 1473 gr/m  
Jx 1338836 mm<sup>4</sup>  
Jy 34085 mm<sup>4</sup>

**Telio "Z" per falso da 60**



**78 THP.345**

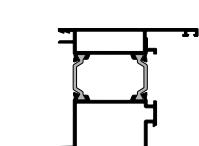
Peso 1482 gr/m  
Jx 85596 mm<sup>4</sup>  
Jy 248577 mm<sup>4</sup>

**Riporto centrale arrotondato**

**78 THP.006**

Peso 1830 gr/m  
Jx 305791 mm<sup>4</sup>  
Jy 439308 mm<sup>4</sup>

**Telaio fisso maggiorato "Z"**



**78 THP.015**

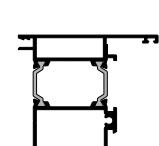
Peso 1506 gr/m  
Jx 94679 mm<sup>4</sup>  
Jy 296804 mm<sup>4</sup>

**"T" piccolo**

**78 THP.007**

Peso 1730 gr/m  
Jx 207348 mm<sup>4</sup>  
Jy 372988 mm<sup>4</sup>

**Telaio fisso maggiorato "L"**



**78 THP.016**

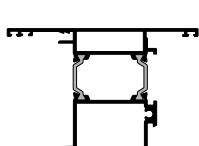
Peso 2115 gr/m  
Jx 309115 mm<sup>4</sup>  
Jy 441231 mm<sup>4</sup>

**"T" maggiorato con doppi naselli**

**78 THP.008**

Peso 1873 gr/m  
Jx 313901 mm<sup>4</sup>  
Jy 417069 mm<sup>4</sup>

**Telaio fisso maggiorato "T"**



**78 THP.017**

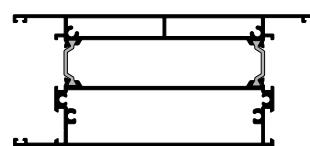
Peso 3327 gr/m  
Jx 2152931 mm<sup>4</sup>  
Jy 749001 mm<sup>4</sup>

**Fascia**

### 78 THP.018

Peso 3440 gr/m  
Jx 2359309 mm<sup>4</sup>  
Jy 808566 mm<sup>4</sup>

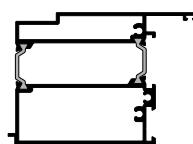
**Zoccolo**



### 78 THP.019

Peso 2272 gr/m  
Jx 475826 mm<sup>4</sup>  
Jy 590693 mm<sup>4</sup>

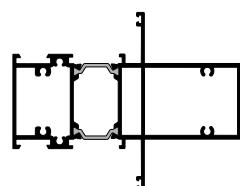
**Zoccolo riportato**



### 78 THP.020

Peso 3109 gr/m  
Jx 1700374 mm<sup>4</sup>  
Jy 405999 mm<sup>4</sup>

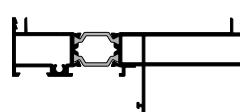
**Pilastrino**



### 78 THP.021

Peso 1905 gr/m  
Jx 966692 mm<sup>4</sup>  
Jy 74536 mm<sup>4</sup>

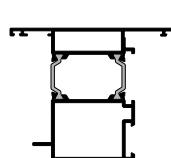
**Mezzo pilastrino**



### 78 THP.031

Peso 1696 gr/m  
Jx 232853 mm<sup>4</sup>  
Jy 369821 mm<sup>4</sup>

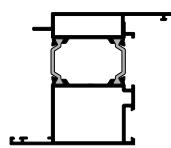
**Portoncino apertura esterna**



### 78 THP.032

Peso 1710 gr/m  
Jx 233034 mm<sup>4</sup>  
Jy 387707 mm<sup>4</sup>

**Portoncino apertura interna**



### 70.034

Peso 186 gr/m  
Jx 478 mm<sup>4</sup>  
Jy 4901 mm<sup>4</sup>

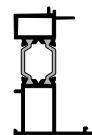
**Battuta riportata per portoncini**



### 78 THP.035

Peso 1108 gr/m  
Jx 39006 mm<sup>4</sup>  
Jy 194874 mm<sup>4</sup>

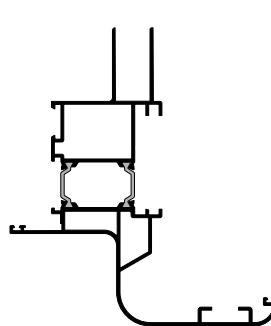
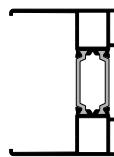
**Inversione di battuta per portoncini**



### 78 THP.037

Peso 1380 gr/m  
Jx 102356 mm<sup>4</sup>  
Jy 321928 mm<sup>4</sup>

**"U" di compensazione**



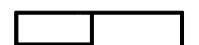
### 78 THP.049

Peso 3092 gr/m  
Jx 1008532 mm<sup>4</sup>  
Jy 2231379 mm<sup>4</sup>

**Profilo per capannoni**

## Articoli SERIE PBS 60

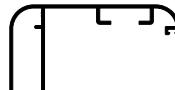
### 60.023



Peso 740 gr/m  
Jx 14639 mm<sup>4</sup>  
Jy 237532 mm<sup>4</sup>

**Prolunga imbotte**

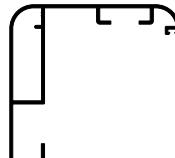
### 60.024



Peso 1004 gr/m  
Jx 100608 mm<sup>4</sup>  
Jy 296260 mm<sup>4</sup>

**Imbotte da 50 mm**

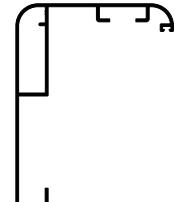
### 60.025



Peso 1226 gr/m  
Jx 314539 mm<sup>4</sup>  
Jy 346025 mm<sup>4</sup>

**Imbotte da 80 mm**

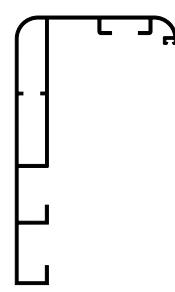
### 60.026



Peso 1347 gr/m  
Jx 651141 mm<sup>4</sup>  
Jy 375515 mm<sup>4</sup>

**Imbotte da 110 mm**

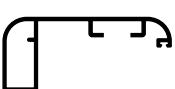
### 60.042



Peso 1922 gr/m  
Jx 438939 mm<sup>4</sup>  
Jy 1649050 mm<sup>4</sup>

**Imbotte da 142 mm**

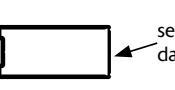
### 60.067



Peso 901 gr/m  
Jx 100608 mm<sup>4</sup>

**Imbotte da 37,5 mm**

### 60.071



Peso 488 gr/m  
Jx 100608 mm<sup>4</sup>

**Profilo porta imbotte**

**78 THP.046**

Peso 1065 gr/m

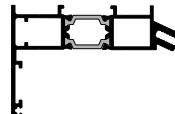
**Soglia ribassata**



**78 THP.048**

Peso 1594 gr/m

**"U" di compensazione**



**70.9757**

Peso 526 gr/m

**Finitura esterna  
per soglia ribassata**



**70.9816**

Peso 513 gr/m

**Profilo chiusura**

**"U" di compensazione 78 THP.048**



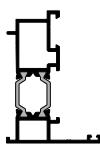
**78 THP.039**

Peso 1189 gr/m

Jx 48641 mm<sup>4</sup>

Jy 219558 mm<sup>4</sup>

**Inversione per anta  
apertura esterna 78 THP.313**



**20.592**

Peso 246 gr/m

**Scattino chiudigola per 70.9816**



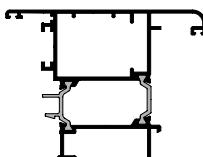
**78 THP.313**

Peso 2035 gr/m

Jx 374320 mm<sup>4</sup>

Jy 520503 mm<sup>4</sup>

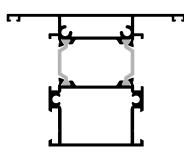
**Anta maggiorata apertura esterna**



**78 THP.081**

Peso 2015 gr/m

**"T" maggiorato**



**70.10521**

Peso 180 gr/m

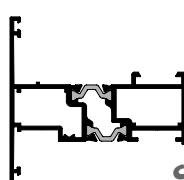
**Gocciolatoio**



**78 TH.082**

Peso 1460 gr/m

**Apertura per anta  
a sporgere**



SOLO A RICHIESTA

**70.6007**

Peso 369 gr/m

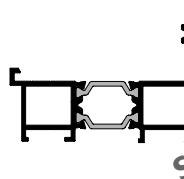
**Tenuta con spazzolino per porte**



**78 THP.083**

Peso 1216 gr/m

**Inversione per  
apertura sporgere**



SOLO A RICHIESTA

**70.6008**

Peso 358 gr/m

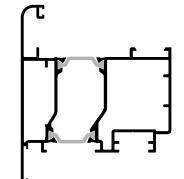
**Tenuta a battuta per porte**



**78 TH.055**

Peso 2089 gr/m

**Anta per bilico**



**70.6010**

Peso 443 gr/m

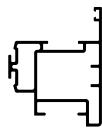
**Soglia porta**



**78.9861**

Peso 1066 gr/m

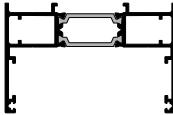
**Riporto per bilico**



**78 THP.047**

Peso 1689 gr/m

**"U" di compensazione**



**78 TH.033**

Peso 1320 gr/m

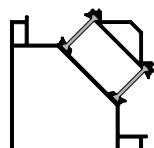
**Doga a taglio termico  
spessore 29 mm**



**78 THP.057**

Peso 1863 gr/m

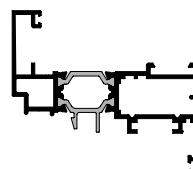
**Angolo**



**78 THP.351**

Peso 1533 gr/m

**Anta squadrata**



**100.009**

Peso 234 gr/m

**Gocciolatoio**



**60.040**

Peso 148 gr/m

**Astina di comando**



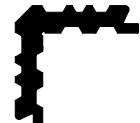
**60.9631**

Peso 3445 gr/m<sup>4</sup>

Jx 222816 mm<sup>4</sup>

Jy 696099 mm<sup>4</sup>

**Squadretta principale  
telaio e anta tubolartà normale**



**60.043**

Peso 3310 gr/m<sup>4</sup>

Jx 152253 mm<sup>4</sup>

Jy 550648 mm<sup>4</sup>

**Squadretta allineamento telaio  
esterna tubolartà normale**



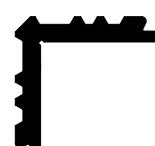
**60.9586**

Peso 3110 gr/m<sup>4</sup>

Jx 197914 mm<sup>4</sup>

Jy 682665 mm<sup>4</sup>

**Squadretta allineamento  
esterna anta 78 THP.310**



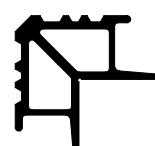
**60.044**

Peso 3480 gr/m<sup>4</sup>

Jx 479333 mm<sup>4</sup>

Jy 514726 mm<sup>4</sup>

**Squadretta principale  
tubolartà maggiorata**



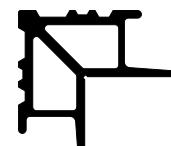
**60.9585**

Peso 3763 gr/m<sup>4</sup>

Jx 1146477 mm<sup>4</sup>

Jy 1279412 mm<sup>4</sup>

**Squadretta allineamento  
esterna tubolartà maggiorata**



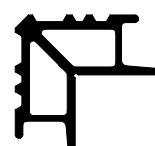
**60.9587**

Peso 3650 gr/m<sup>4</sup>

Jx 478857 mm<sup>4</sup>

Jy 635681 mm<sup>4</sup>

**Squadretta allineamento  
esterna anta maggiorata 78 THP.311**



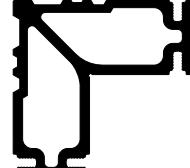
**60.9742**

Peso 6269 gr/m<sup>4</sup>

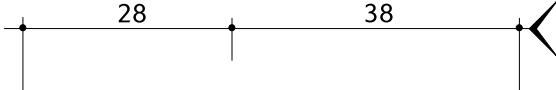
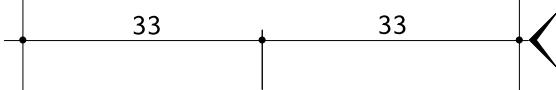
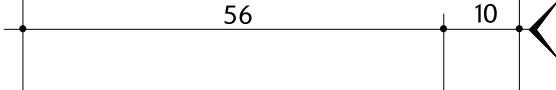
Jx 2172376 mm<sup>4</sup>

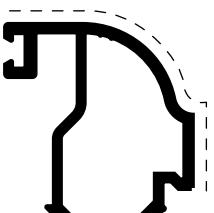
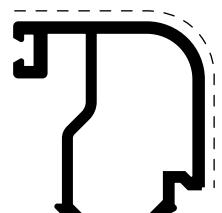
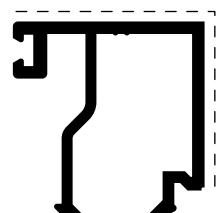
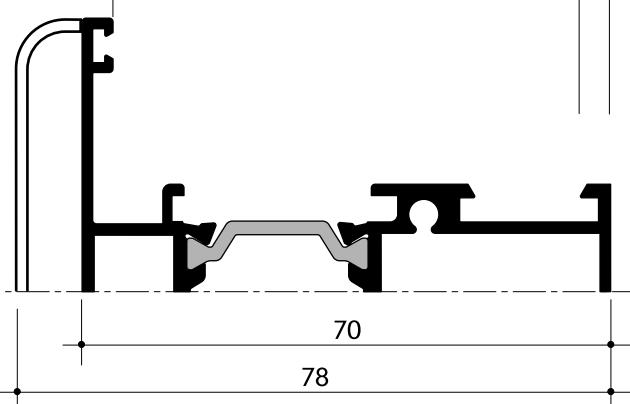
Jy 2172376 mm<sup>4</sup>

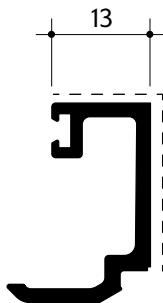
**Squadretta allineamento  
interna anta maggiorata 78 THP.313**



Fermavetri

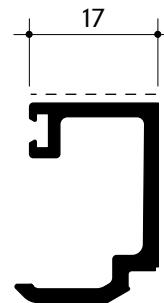
	60.110 Peso 379 gr/m sup. vista: mm 60	-----	60.123 Peso 353 gr/m sup. vista: mm 53
	60.109 Peso 360 gr/m sup. vista: mm 56	60.117 Peso 350 gr/m sup. vista: mm 50	60.122 Peso 334 gr/m sup. vista: mm 48
	60.108 Peso 352 gr/m sup. vista: mm 53	60.116 Peso 340 gr/m sup. vista: mm 48	60.134 Peso 326 gr/m sup. vista: mm 46
	60.107 Peso 343 gr/m sup. vista: mm 51	60.115 Peso 330 gr/m sup. vista: mm 46	60.133 Peso 318 gr/m sup. vista: mm 44
	60.106 Peso 334 gr/m sup. vista: mm 47	60.114 Peso 320 gr/m sup. vista: mm 42	60.121 Peso 304 gr/m sup. vista: mm 40
	60.105 Peso 322 gr/m sup. vista: mm 45	60.113 Peso 290 gr/m sup. vista: mm 40	60.132 Peso 300 gr/m sup. vista: mm 38
	60.104 Peso 314 gr/m sup. vista: mm 42	-----	60.120 Peso 287 gr/m sup. vista: mm 35
	60.103 Peso 256 gr/m sup. vista: mm 39	60.112 Peso 252 gr/m sup. vista: mm 34	60.131 Peso 221 gr/m sup. vista: mm 32
	60.102 Peso 234 gr/m sup. vista: mm 35	60.111 Peso 242 gr/m sup. vista: mm 30	60.124 Peso 264 gr/m sup. vista: mm 28
	60.101 Peso 224 gr/m sup. vista: mm 32	-----	-----
	60.100 Peso 180 gr/m sup. vista: mm 26	-----	-----





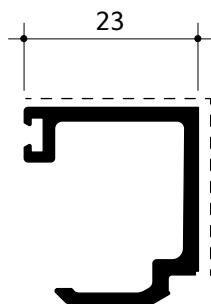
60.135

Peso 302 gr/m



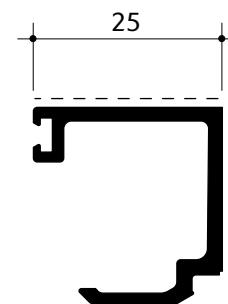
60.137

Peso 321 gr/m



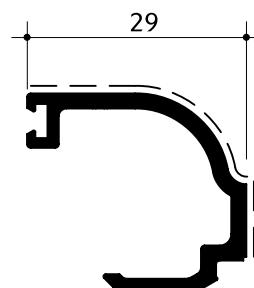
60.136

Peso 351 gr/m



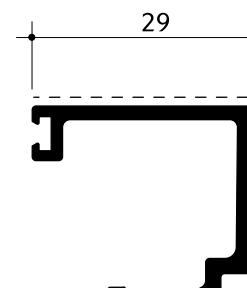
60.138

Peso 359 gr/m



60.153

Peso 364 gr/m



60.139

Peso 378 gr/m

## CODIFICA ACCESSORI

**N.B.:** LA CODIFICA RIFERITA AD ALCUNI ARTICOLI OSSIDATI O VERNICIATI PRE-VEDE DUE LETTERE " X " CHE ALL'ATTO DELL'ORDINE DOVRANNO ESSERE SOSTITUITE CON:

IL NUMERO	01	per articoli	GREZZI
" "	02	per articoli	OSSIDATI ARGENTO
" "	03	per articoli	OSSIDATI BRONZO
" "	04	per articoli	ELETTROCOLORE
" "	05	per articoli	OSSIDATI NERO
" "	06	per articoli	RAL 1013
" "	07	per articoli	RAL 9010
" "	08	per articoli	RAL 9005 (Nero)
" "	09	per articoli	COLORI VARI

ESEMPIO ARTICOLO

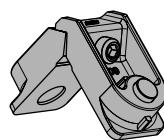
**A100 - 0120N - XX** (CERNIERA FLASH)

SE POSTO NELLA FORMA **A100 - 0120N - 07** VIENE RIFERITO AD UNA CERNIERA FLASH VERNICIATA RAL 9010

**A105-0409**

Squadretta

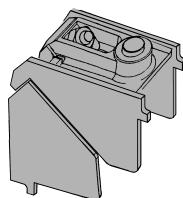
Conf. da 250 pz.



**A105-0496**

Squadretta per profili maggiorati

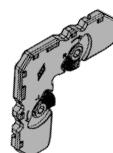
Conf. da 200 pz.



**A105-2006**

Squadretta di allineamento  
ante e imbotti porte

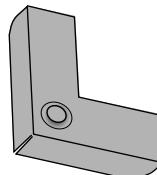
Conf. da 250 pz.



**A621-7316**

Squadretta di allineamento  
aletta esterna telaio

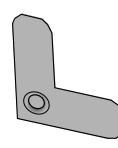
Conf. da 100 pz.



**A621-2136**

Squadretta di allineamento  
aletta interna anta

Conf. da 100 pz.



**A105-0706**

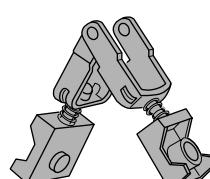
Squadretta in acciaio  
allineamento aletta  
interno telaio

Conf. da 500 pz.



**A105-0909**

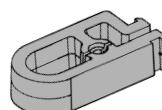
Squadretta per  
angolazione variabile



**A105-0575**

Cavallotto

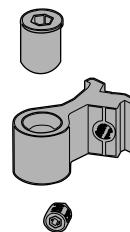
Conf. da 250 pz.



**A100-0428**

Cavallotto

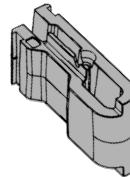
Conf. da 100 pz.



**A105-0574**

Cavallotto per T maggiorato

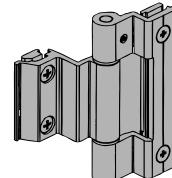
Conf. da 250 pz.



**A100-0600X-XX**

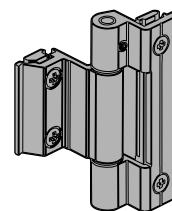
Cerniera a pettine "Bridge"

per 3a anta



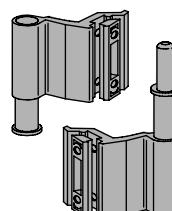
**A100-0607X-XX**

Cerniera a pettine "Bridge"  
per 3a anta



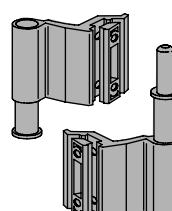
**A100-0120N-XX**

Cerniera "Flash"

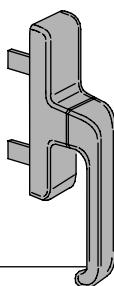


**A100-0143V-XX**

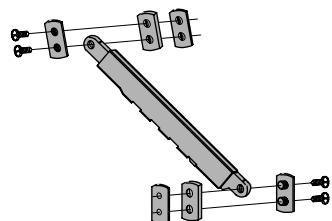
Cerniera "Flash" per 3a anta



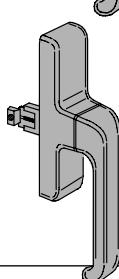
**A100-1000-XX**  
Cremonese "Euro"



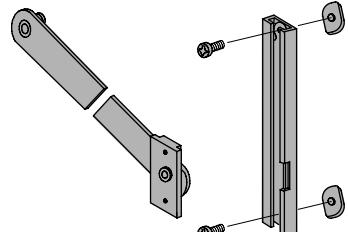
**A100-1954**  
Asta telescopica "Laser"



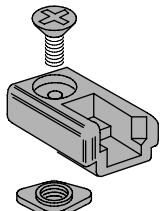
**A100-1090-XX**  
Cremonese "Euro" per  
anta-ribalta



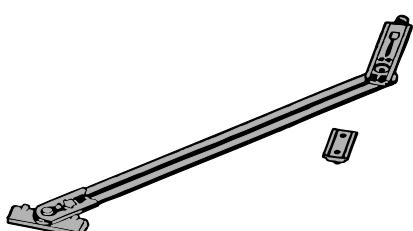
**A100-2014**  
Braccio sganciabile  
"Domus"



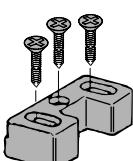
**A100-1348**  
Incontro aste e terza chiusura



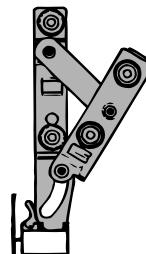
**A100-2030**  
Braccio limitatore  
di apertura



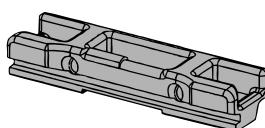
**A100-1325**  
Incontro superiore  
catenaccio "Totem"



**A100-2051**  
Cerniera per  
wasistas "Olimpia"



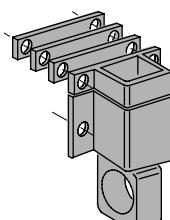
**A100-1349**  
Incontro doppio in zama



**A100-2168N**  
Catenaccio registrabile



**A100-1701**  
Cricchetto "Grisbi"

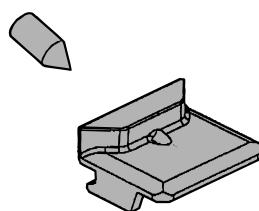


**A100-2188**  
Terminale per aste



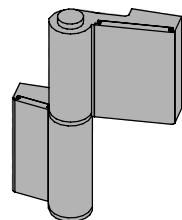
**A100-1343**

Incontro per Art. A100-4030



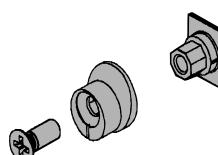
**A101-6040-XX**

Cerniera "Loira" a due ali interasse mm 60



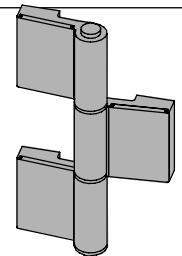
**A100-4030**

Nottolino di chiusura registrabile



**A101-6045-XX**

Cerniera "Loira" a tre ali interasse mm 60



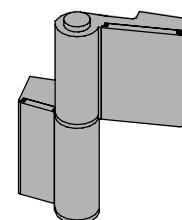
**A100-2159**

Boccola per soglia



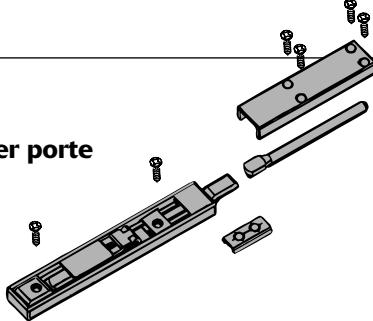
**A101-6192-XX**

Cerniera "Loira" a due ali interasse mm 93



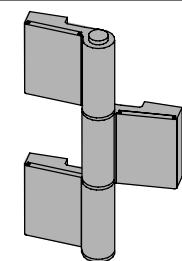
**A100-2170**

Catenaccio "Totem" per porte



**A101-6197-XX**

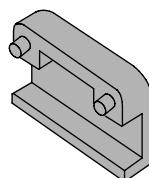
Cerniera "Loira" a tre ali interasse mm 93



**A100-2328**

Cappetta coprirosa drenaggio acqua

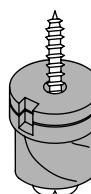
Conf. da 200 pz.



**A104-600.01**

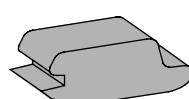
Rapid Block

Conf. da 200 pz.



**A100-2336**

Sostegno anta



**AS023/1**

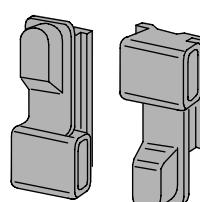
Cassa per regolo in metallo



Conf. da 100 pz.

**A100-2387**

Bloccetti di collegamento alla cremonese "Euro"



**AS017 mm 30**

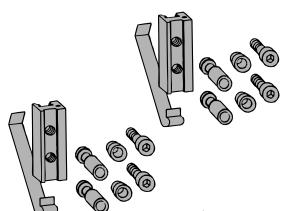
**AS022 mm 60**

Vite in alluminio per regolo



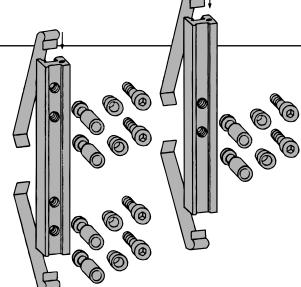
**A101-6633T4**

Kit di fissaggio per cerniera A101-6192



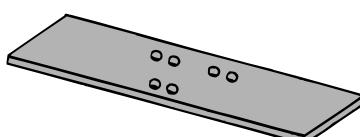
**A101-6643T4**

Kit di fissaggio per cerniera A101-6197



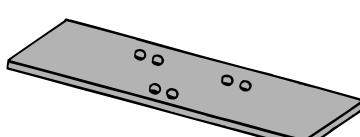
**A101-6851**

Dima per pantografo (cerniere int. mm 60)



**A101-6856**

Dima per pantografo (cerniere int. mm 93)



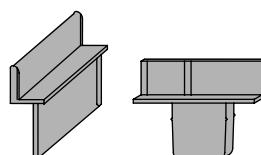
**A126-6183**

Clips per femavetro arrotondato



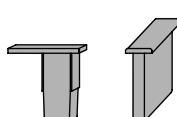
**A126-6117**

Tappi di battuta su inversione centrale porte



**A126-6118**

Tappi su profili di battuta porte



**A126-06401**

Tappo per riporto centrale anta apertura interna



Conf. da 15 cp.

**A126-06404**

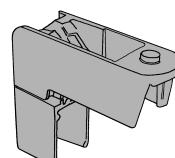
Tappo per riporto centrale arrotondato anta apertura interna



Conf. da 15 cp.

**A105-1007**

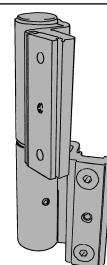
Squadretta maggiorata in alternativa alla A105-0496



Conf. da 50 pz.

**A5601-08**

Cerniera rinforzata



Conf. da 50 pz.

**A104-600.04**

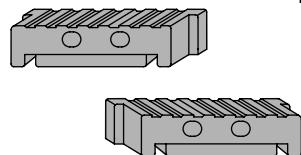
Rapid Block per profilati 70TH.049



Conf. da 200 pz.

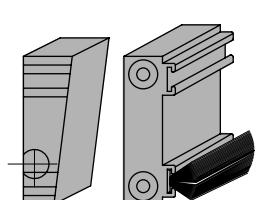
**A126-6122**

Tappi per soglia porte 70.6010



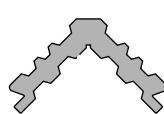
**A126-6120**

Tappi di tenuta aria per porte



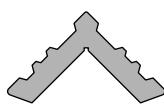
**A70-9631**

Squadretta principale telaio e anta tubolartà normale a cianfrinare in alternativa a A105-0409



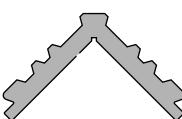
**A70-7219**

Squadretta allineamento esterna tubolartà normale a cianfrinare telaio



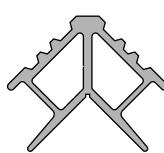
**A70-9586**

Squadretta allineamento esterna anta 78 TH.010 a cianfrinare



**A70-7218**

Squadretta principale tubolartà maggiorata a cianfrinare in alternativa a A105-0496



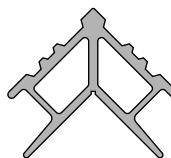
**A70-9585**

Squadretta allineamento esterna tubolartà maggiorata a cianfrinare



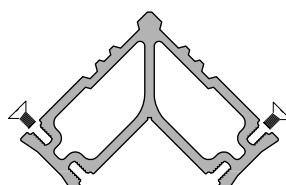
**A70-9587**

Squadretta allineamento esterna anta maggiorata 78 TH.011 a cianfrinare



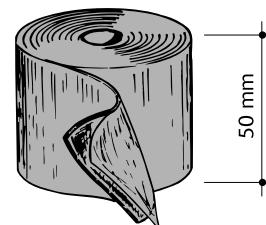
**A70-9742**

Squadretta allineamento interna anta maggiorata 78 TH.013 a cianfrinare



**A70-1516**  
Inserto per sostegno tubolartà esterna traversi e zoccoli

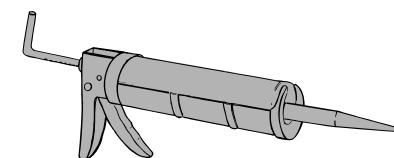
Conf. da 50 pz.



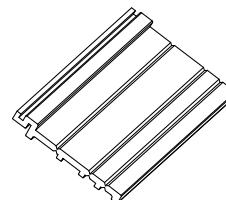
**115-CDISO7M**  
Spugna adesiva per coibentazione H 50 mm



**A6141-79-0**  
Salvaprofilo portoncino aperture esterna



**A105-6500**  
Collante per incollaggio squadretta



**ANW-090**  
Base appoggio spessori vetro

Conf. da 250 pz.

Per istruzioni di montaggio  
vedi pag. 73

**A56-46455.XX**  
Cremonese per sporgere



**A56-939D**  
Cardini autoportanti  
portata Kg 75  
(la coppia)



**A56-939E**  
Cardini autoportanti  
portata Kg 100  
(la coppia)

**A56-939F**  
Cardini autoportanti  
portata Kg 150  
(la coppia)

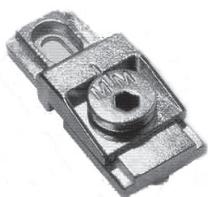


**A605-0427**  
Squadretta per  
78TH.082 e 78TH.083

**A100-01974**  
N° 1 Kit spessoramento  
cardini autoportanti



**A56-939**  
Coppia blocchetto  
regolazione altezza  
optional su A56-939D  
e A56-939H  
di serie su A56-939E



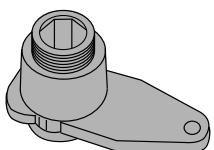
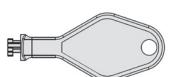
**A56-940A**  
Braccio limitatore  
di apertura sporgere



**A70-2812**  
Incontro per chiusura



**A56-941**  
Chiave di sblocco  
braccio limitatore

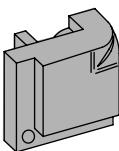


**A003**  
Espansore

**A56-1204**  
Rinvio d'angolo



**A142-2224-XX**  
Angolo in zama  
per fermavetri arrotondati

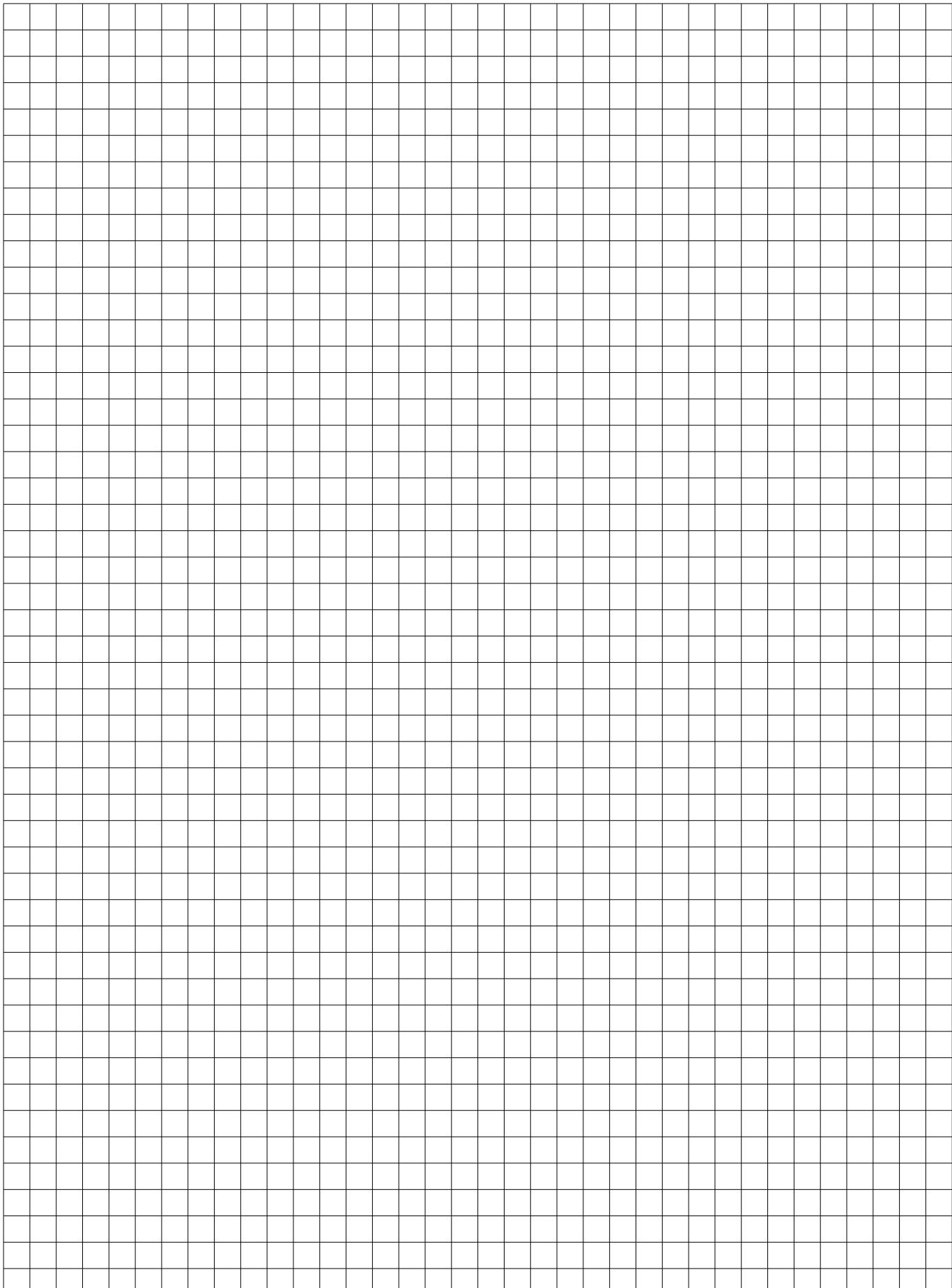




## **Serie PBS78TH PLUS**

## Elenco accessori

gennaio 2011



**A6-27212-XX**

Frizione per bilico orizzontale  
portata coppia 170 Kg



**AG-11071-00**

Riscontro per  
chiusura supplementare



**A6-27337-XX**

Frizione per bilico verticale  
portata coppia 170 Kg



**AK-13393-00**

Limitatore di apertura



**A6-29189-30-XX**

Maniglia



**A6-25948-35**

Meccanismo per chiusura



**A105-4123**

Squadretta per profilo 78.9861



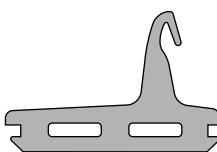
**A9-13133-40**

Viti (ordine minimo 2 pezzi)



**A126-2292H**

Guarnizione di tenuta  
centrale a giunto aperto per bilico



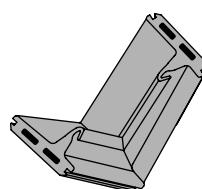
**A6-24529-00**

Rinvio d'angolo



**A126-4123**

Angolo vulcanizzato per  
guarnizione A126-2292H



**A6-24539**

Chiusura supplementare



**A126-20139**

Guarnizione per bilico



### A102-6197

Guarnizione di battuta  
per porte interne



Conf. da 300 ml.

### A126-2340

Guarnizione di giunzione per telai



Conf. da 160 ml.

### A126-2178

Guarnizione di vetrazione  
esterna spessore mm 2,5



Conf. da 250 ml.

### A126-2666

Guarnizione di battuta interna



Conf. da 250 ml.

### A126-2800

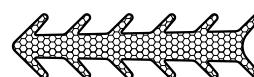
Guarnizione di vetrazione interna  
spessore mm 2



Conf. da 350 ml.

### A126-20212

Guarnizione sottovetro



Conf. da 50 ml.

### A126-2194

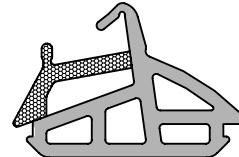
Guarnizione di vetrazione  
interna spessore mm 3/4



Conf. da 180 ml.

### A126-08175

Guarnizione di tenuta  
centrale a giunto aperto  
serie PBS78 TH PLUS



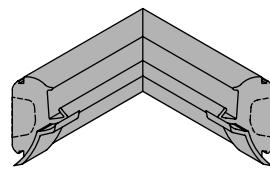
Conf. da 60 ml.

### A126-2195

Guarnizione di vetrazione  
interna spessore mm 5/6



Conf. da 120 ml.



Conf. da 50 pz.

### A126-2197

Guarnizione di vetrazione  
**interna spessore mm 7/8**



Conf. da 90 ml.

### 619-PB790

Spazzolino



Conf. da 100 ml.

### A126-2284

Guarnizione di appoggio soglia



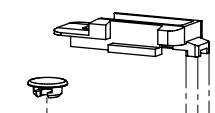
Conf. da 200 ml.

### G204D

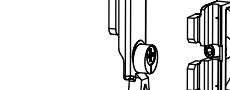
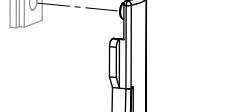
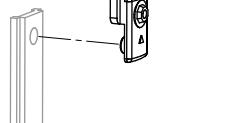
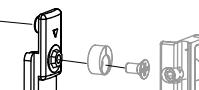
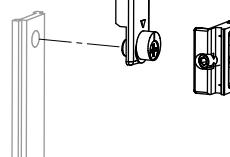
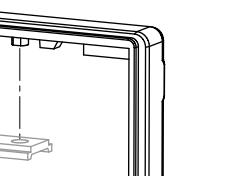
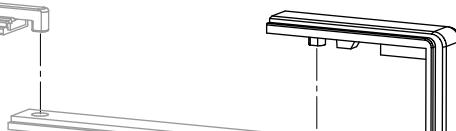
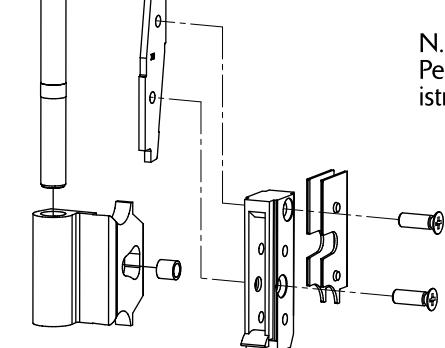
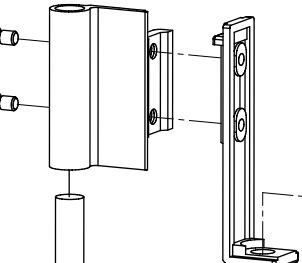
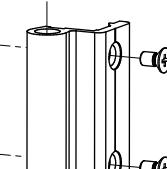
Guarnizione chiusura  
cava aggancio f.v.



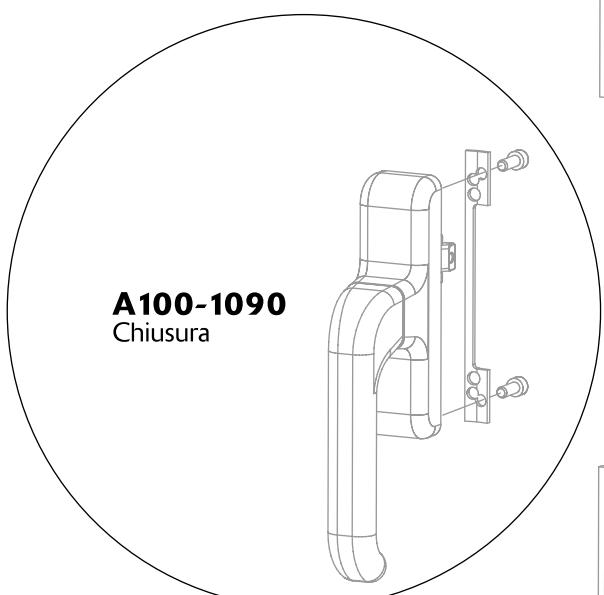
Conf. da 150 ml.



**A100-4751N** Accessori base per anta ribalta

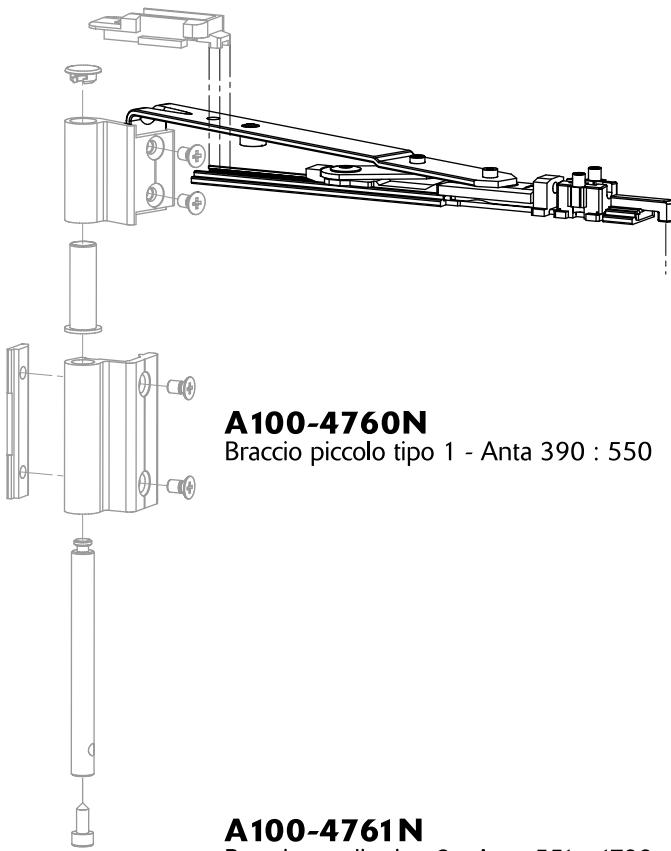


**A100-1090**  
Chiusura



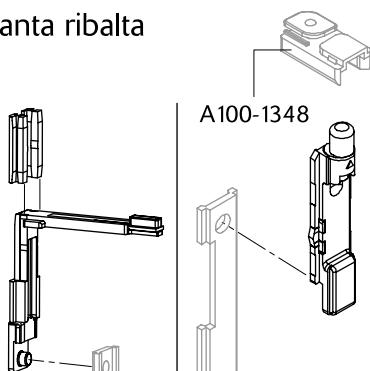
N.B.  
Per lavorazioni e montaggio seguire le  
istruzioni del foglio illustrativo inserito nel kit

Accessori base per anta ribalta



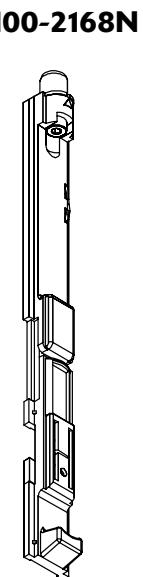
**A100-4760N**

Braccio piccolo tipo 1 - Anta 390 : 550



**A100-4770**

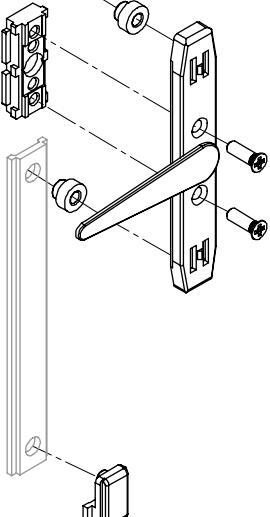
Chiusure  
supplementari  
orizzontali



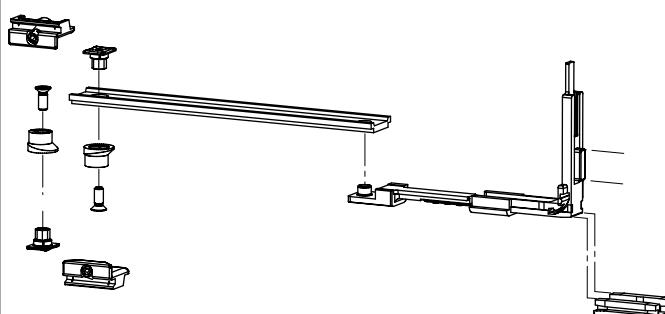
**A100-2168N**

**A100-4761N**

Braccio medio tipo 2 - Anta 551 : 1700

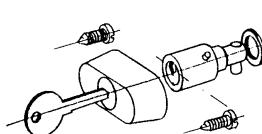


in alternativa  
all'art.  
A100-2191



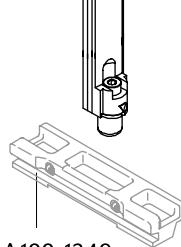
**A100-4770**

Chiusure supplementari orizzontali



**A100-4311**

Serratura



**A100-2191**

Kit chiusura  
doppia anta  
bidirezionale a leva



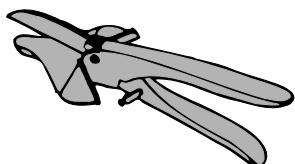
**A100-2168N**

**A100-4301N**

Braccio supplementare (da utilizzare col braccio 2)  
Per larghezze anta da mm 1100 a mm 1700

**A106-0349**

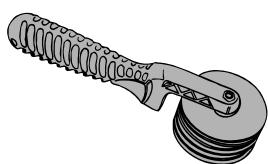
Forbici taglia quarnizioni



**ATTREZZATURE**

**A106-00114**

Rotella infila guarnizioni



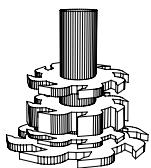
**A115-CD8132**

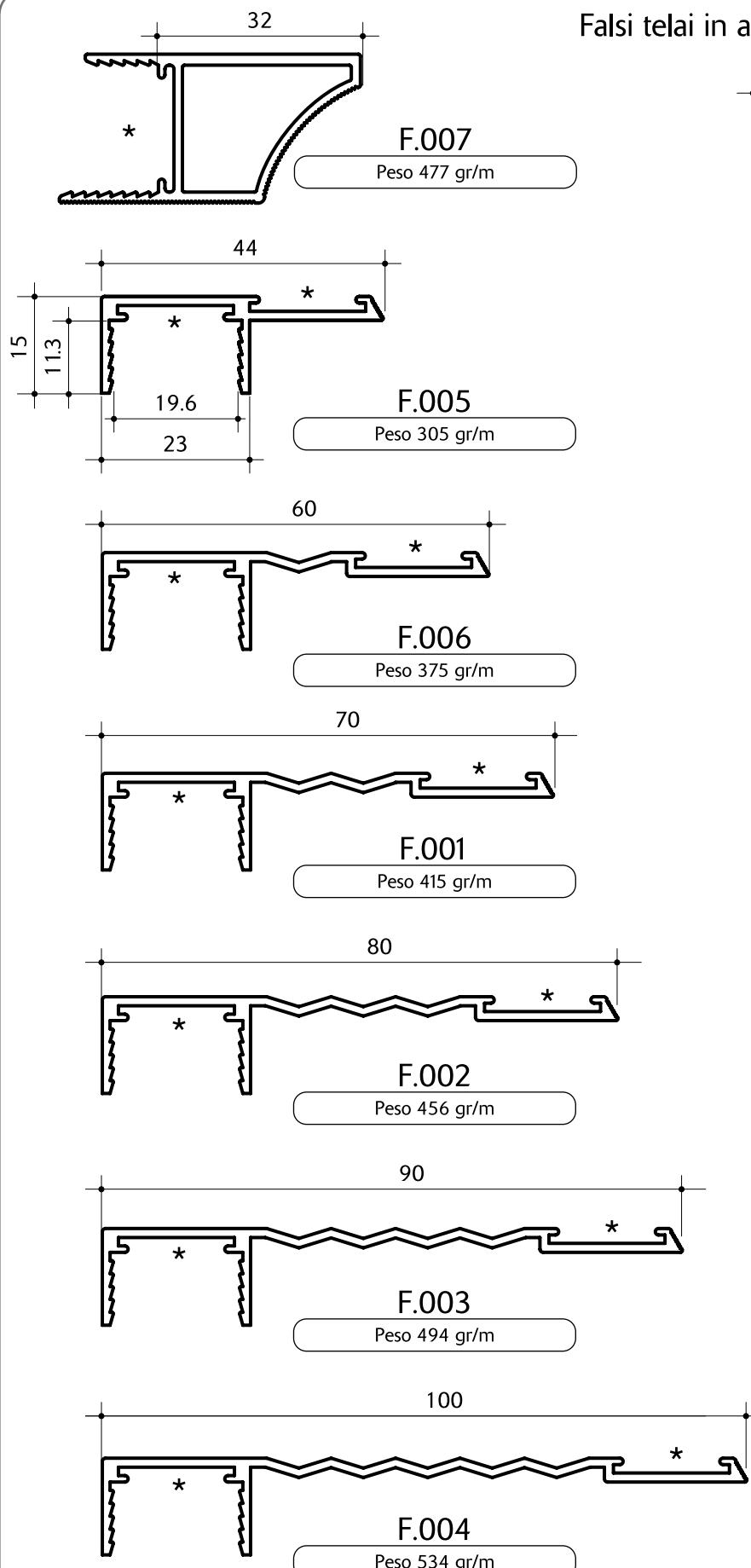
Colla cianoacrilica



**A401-160-78**

Gruppo fresa

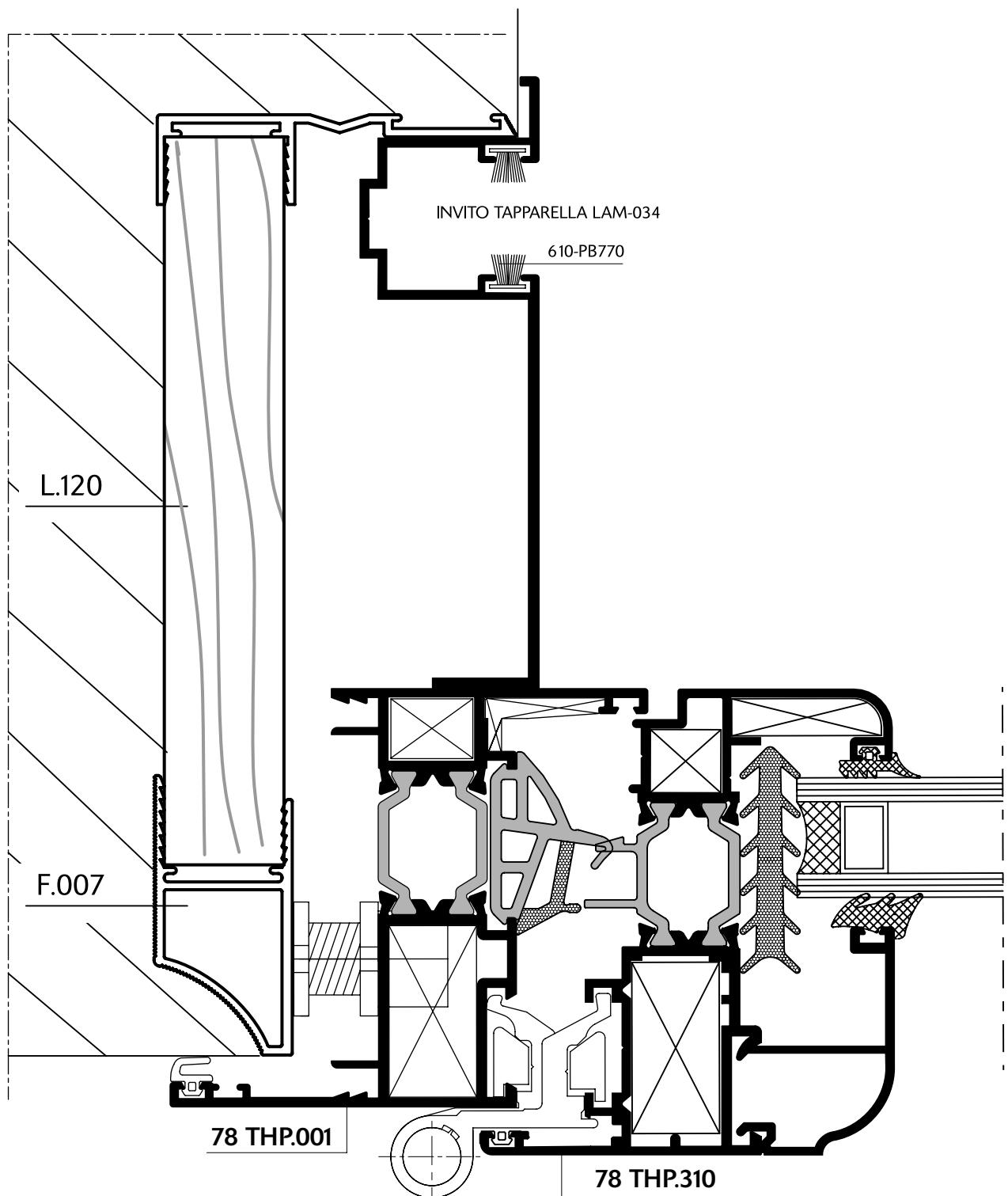




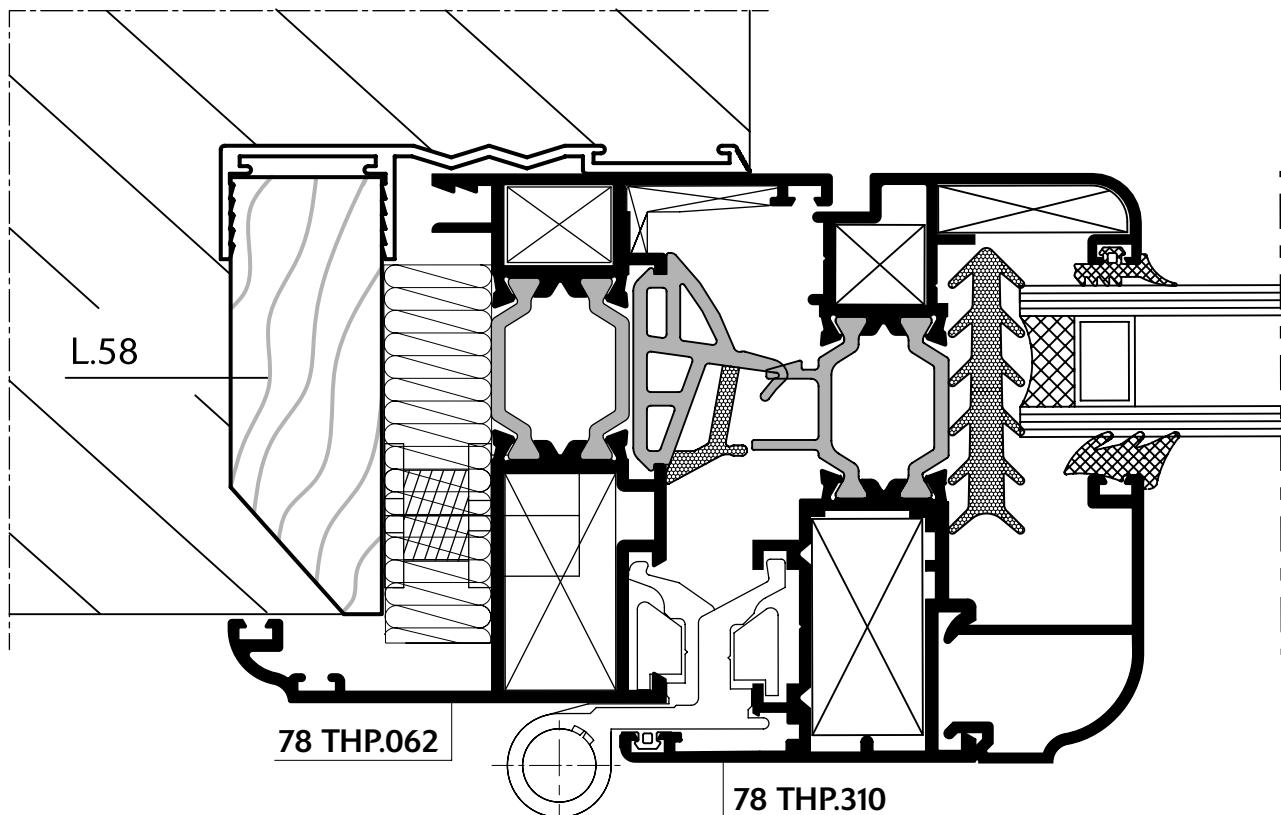
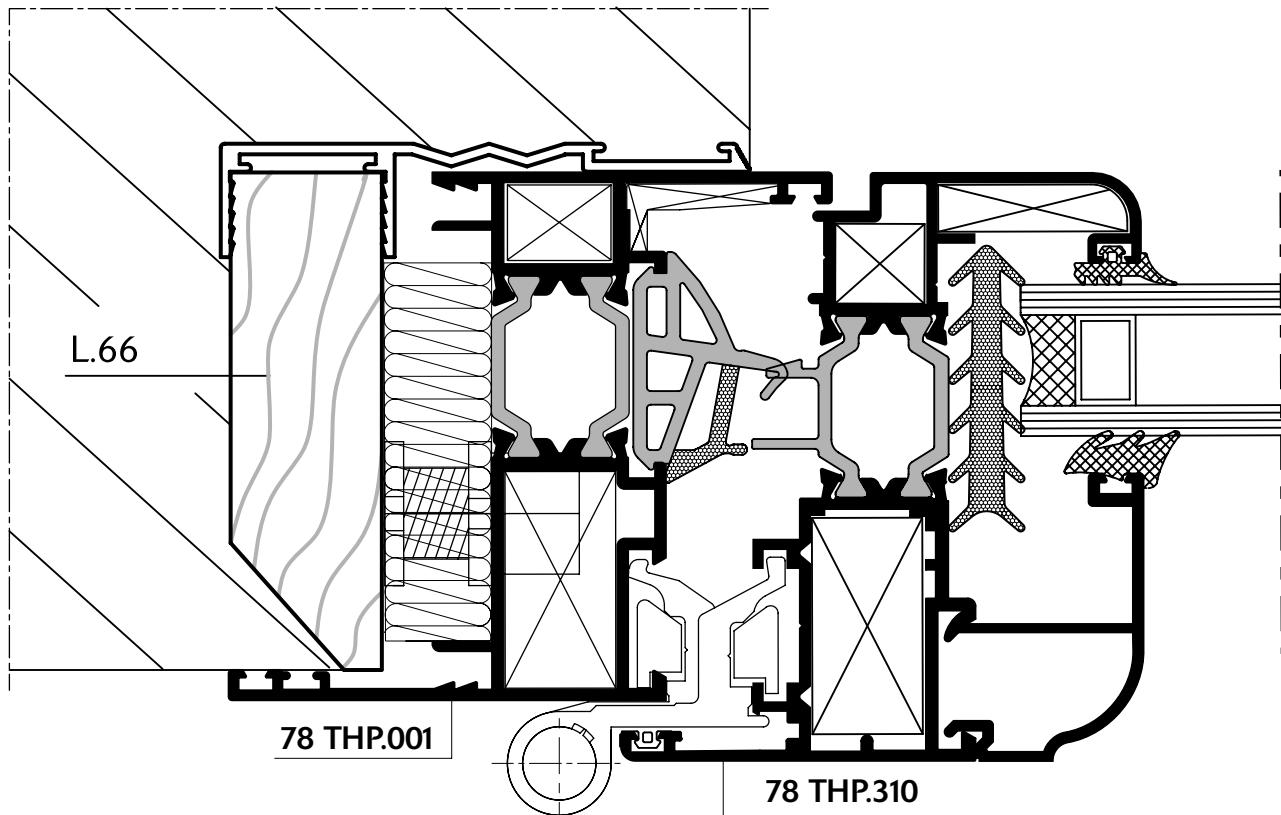
\* Sedi per squadrette di allineamento Art. 6HY 43

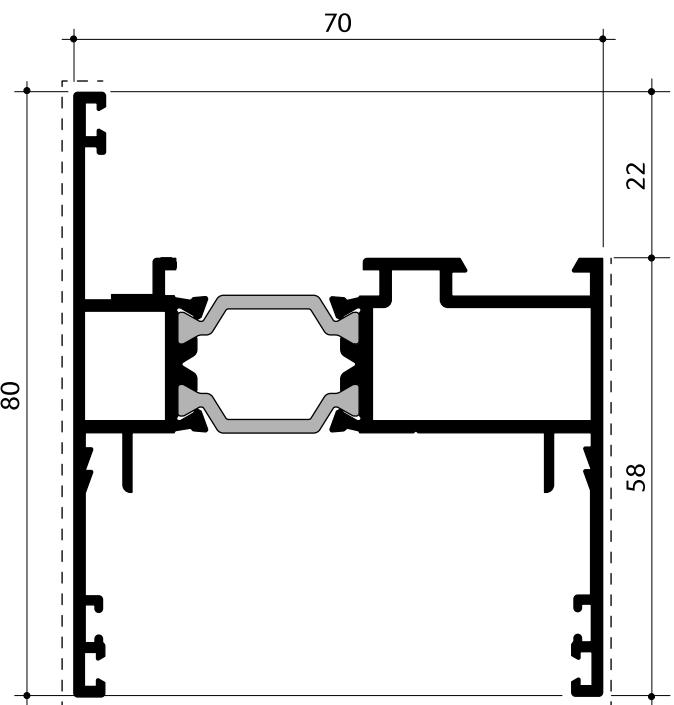
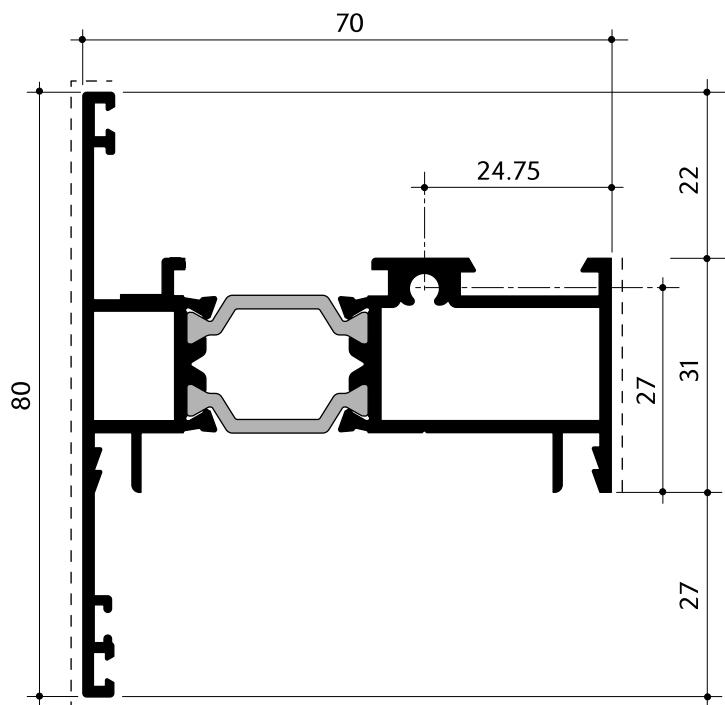
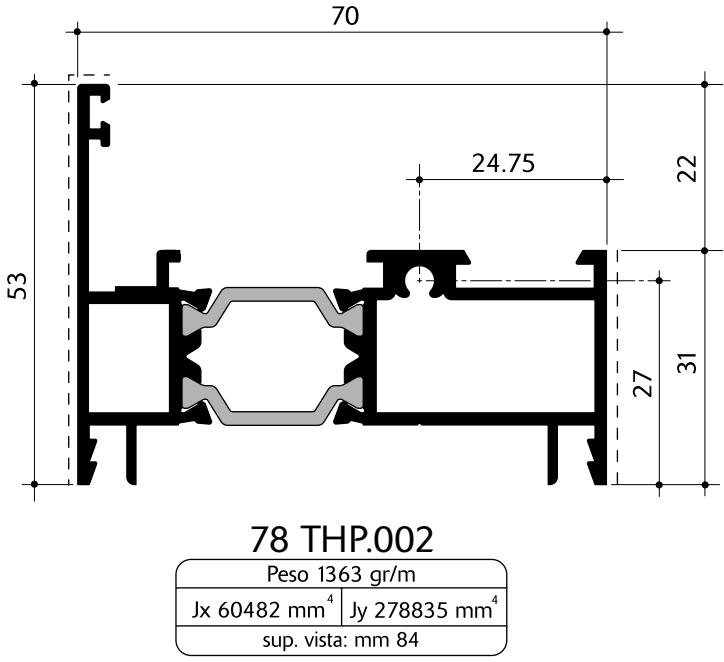
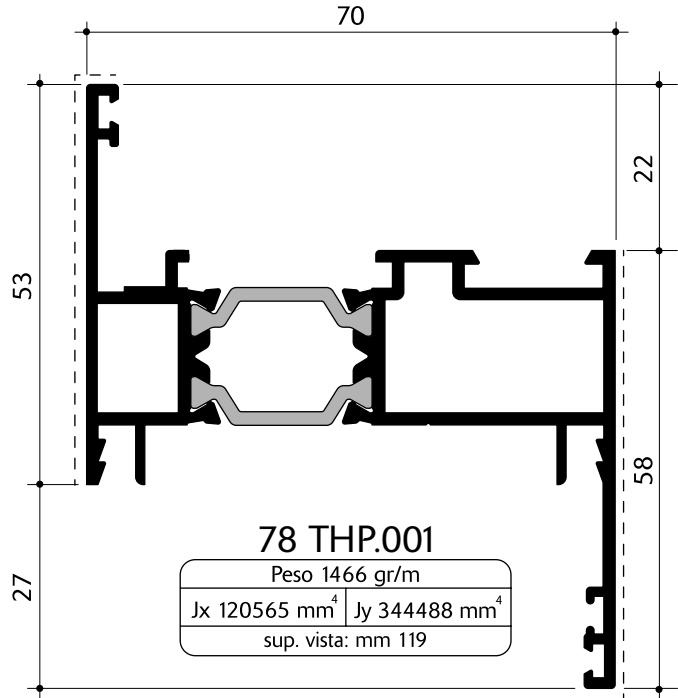
Zanche da ordinare a parte Art. L.603

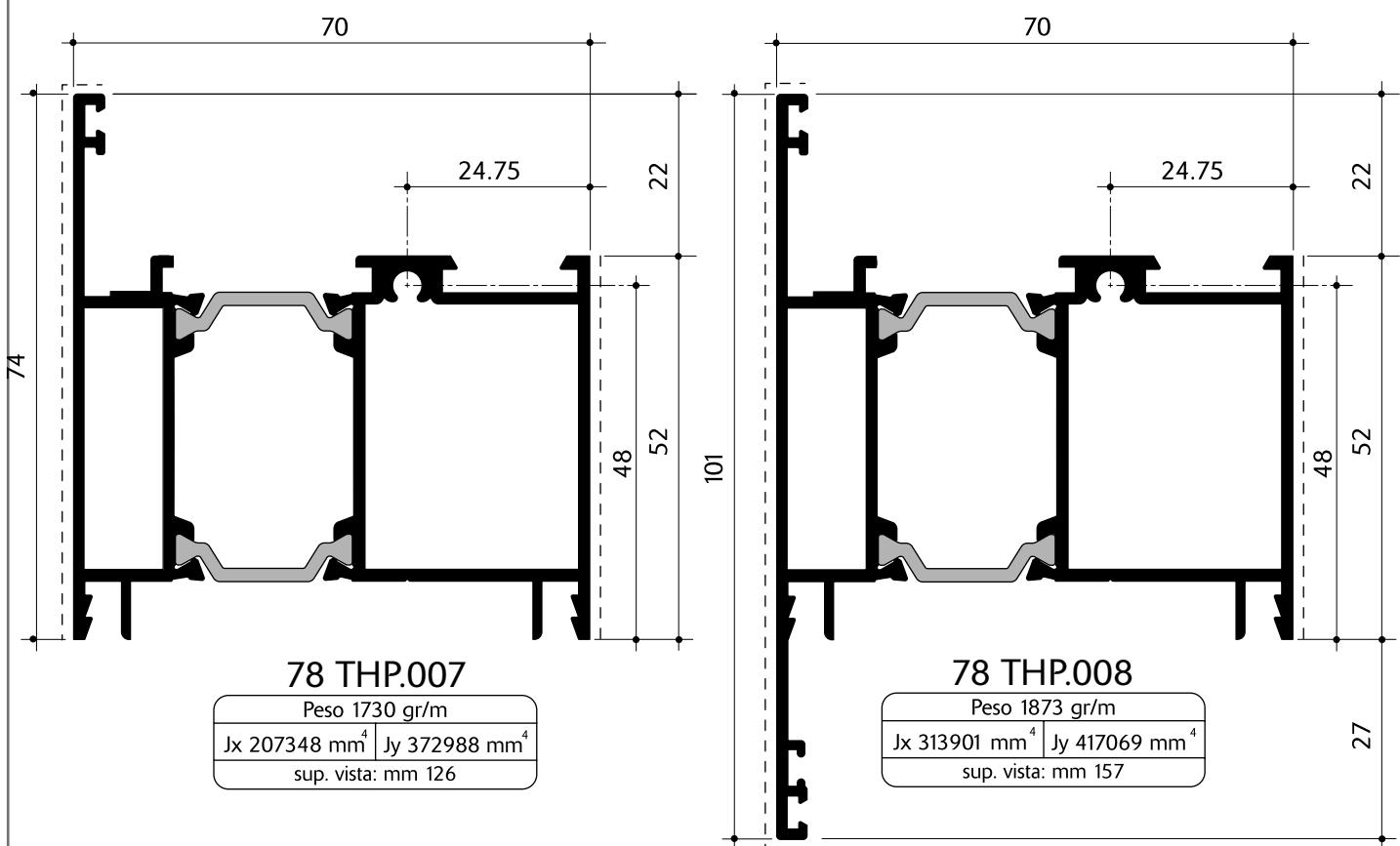
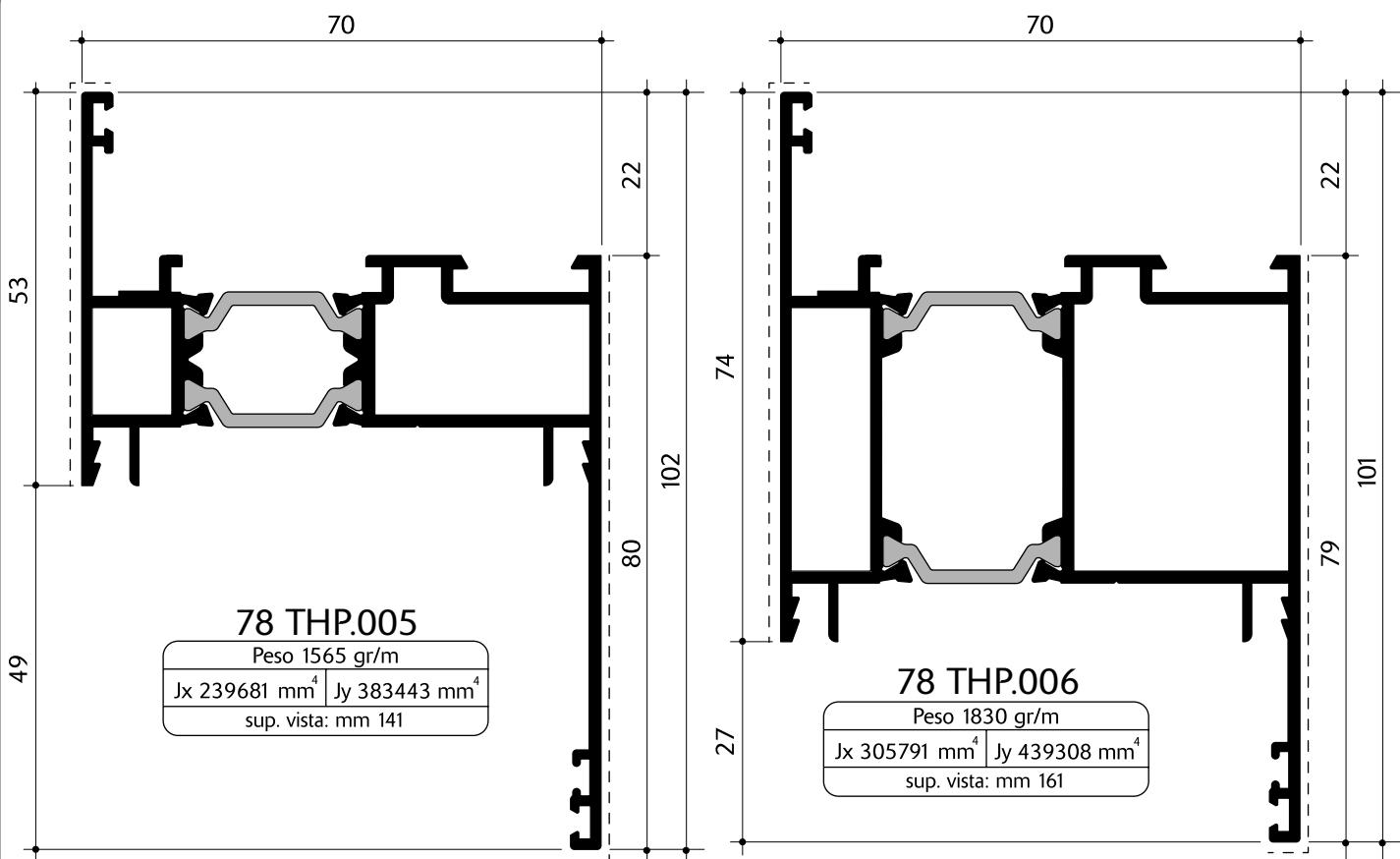
Falsi telai in alluminio con interruzione termica

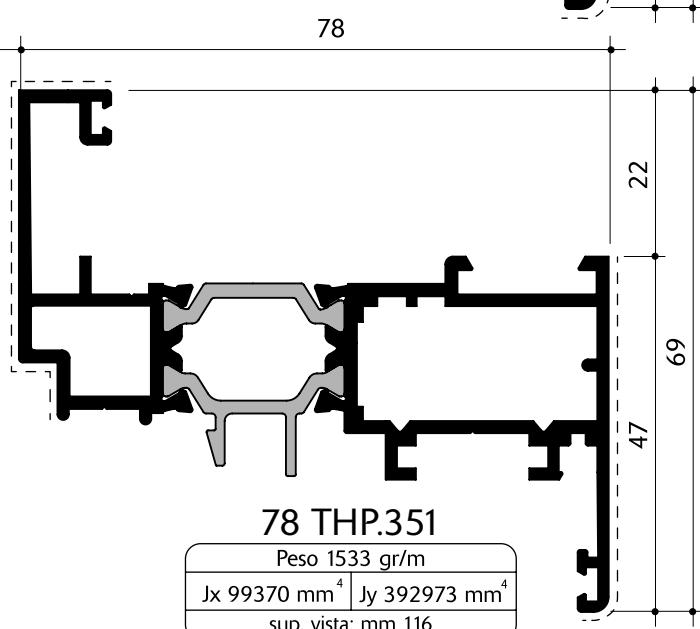
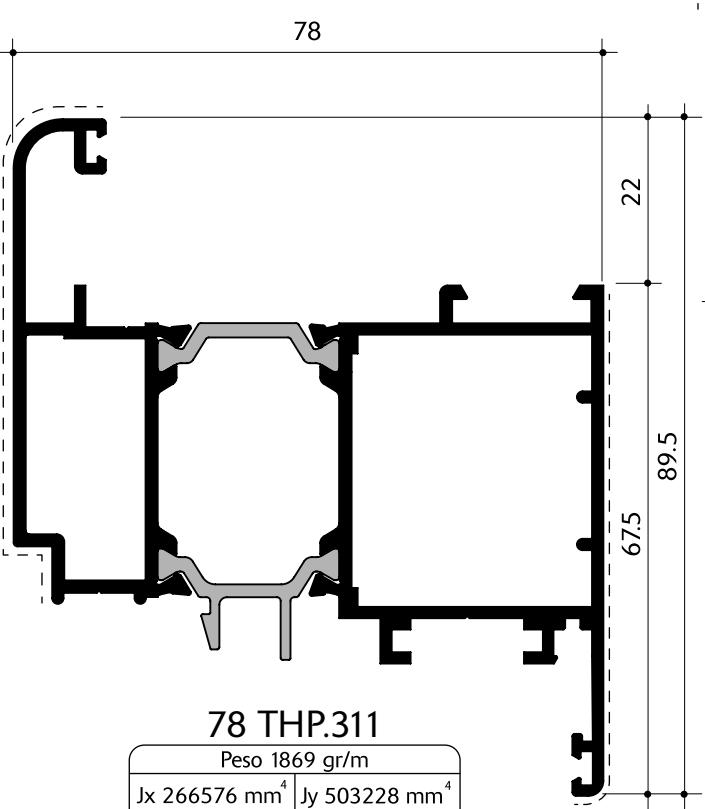
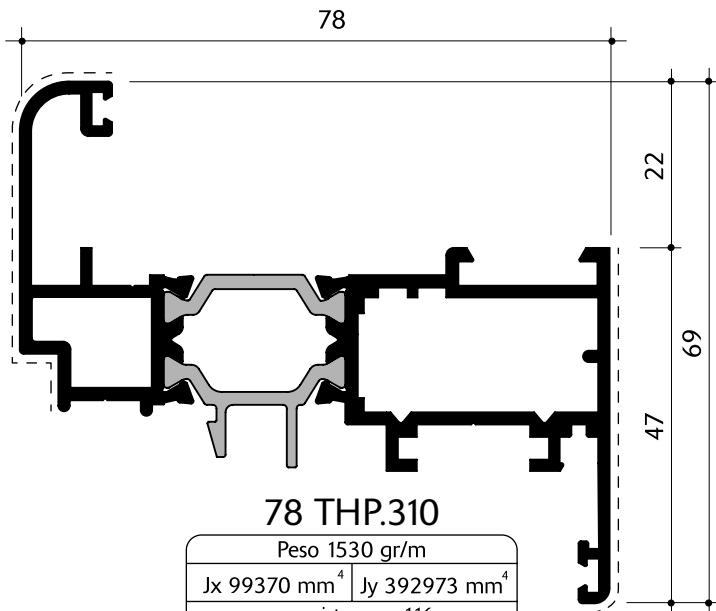
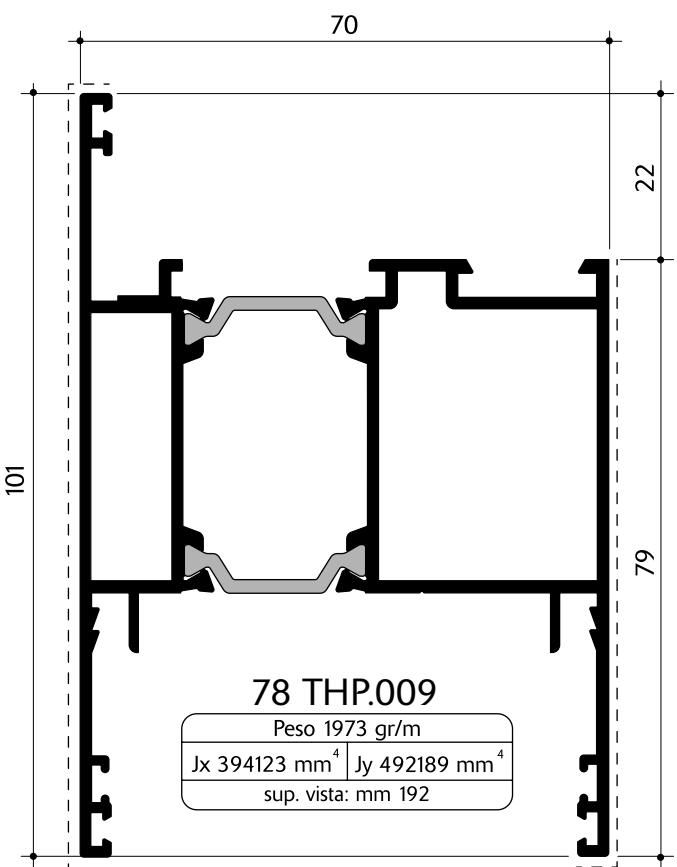


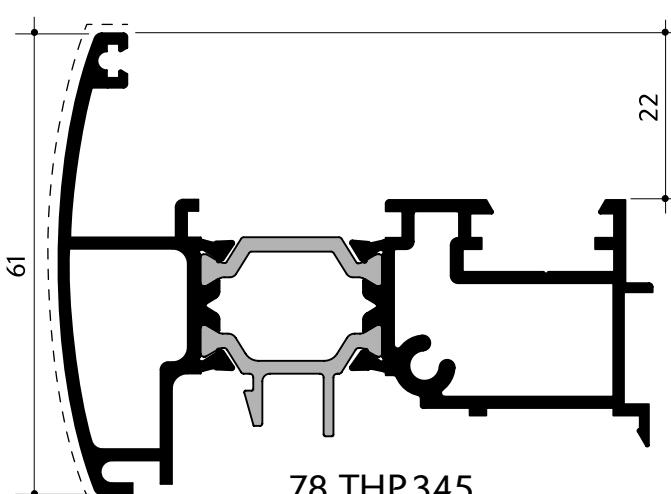
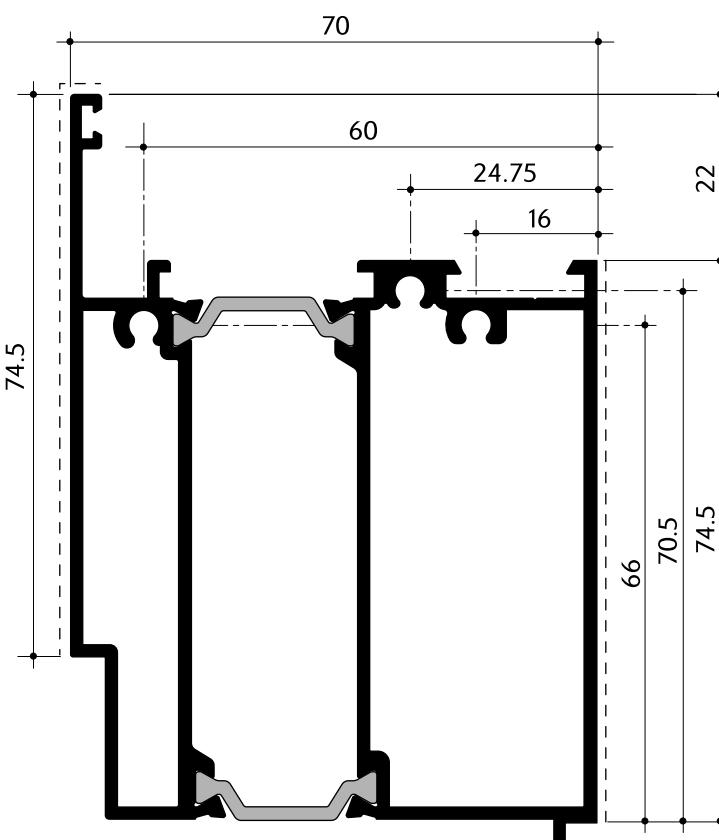
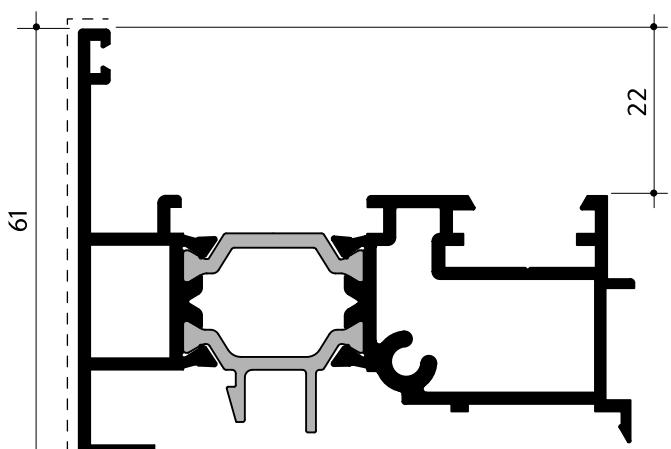
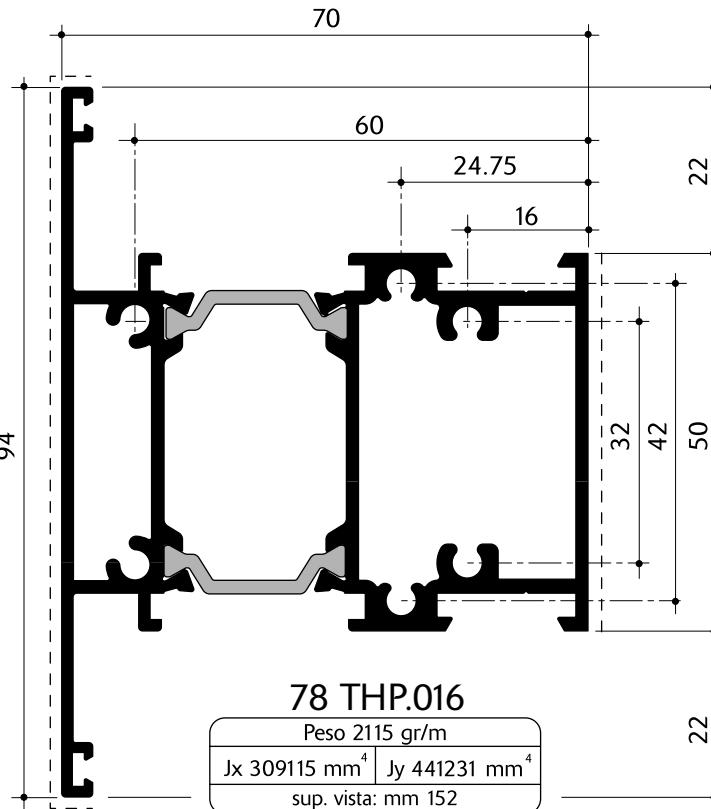
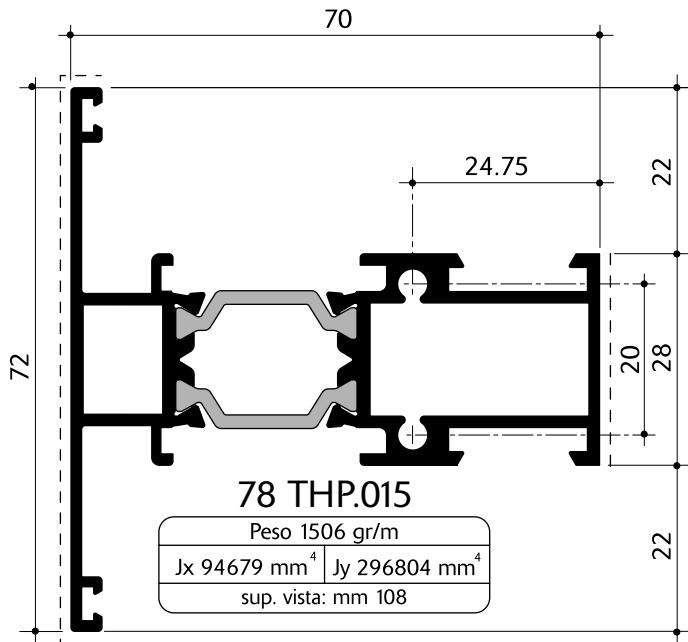
Falsi telai in alluminio con interruzione termica

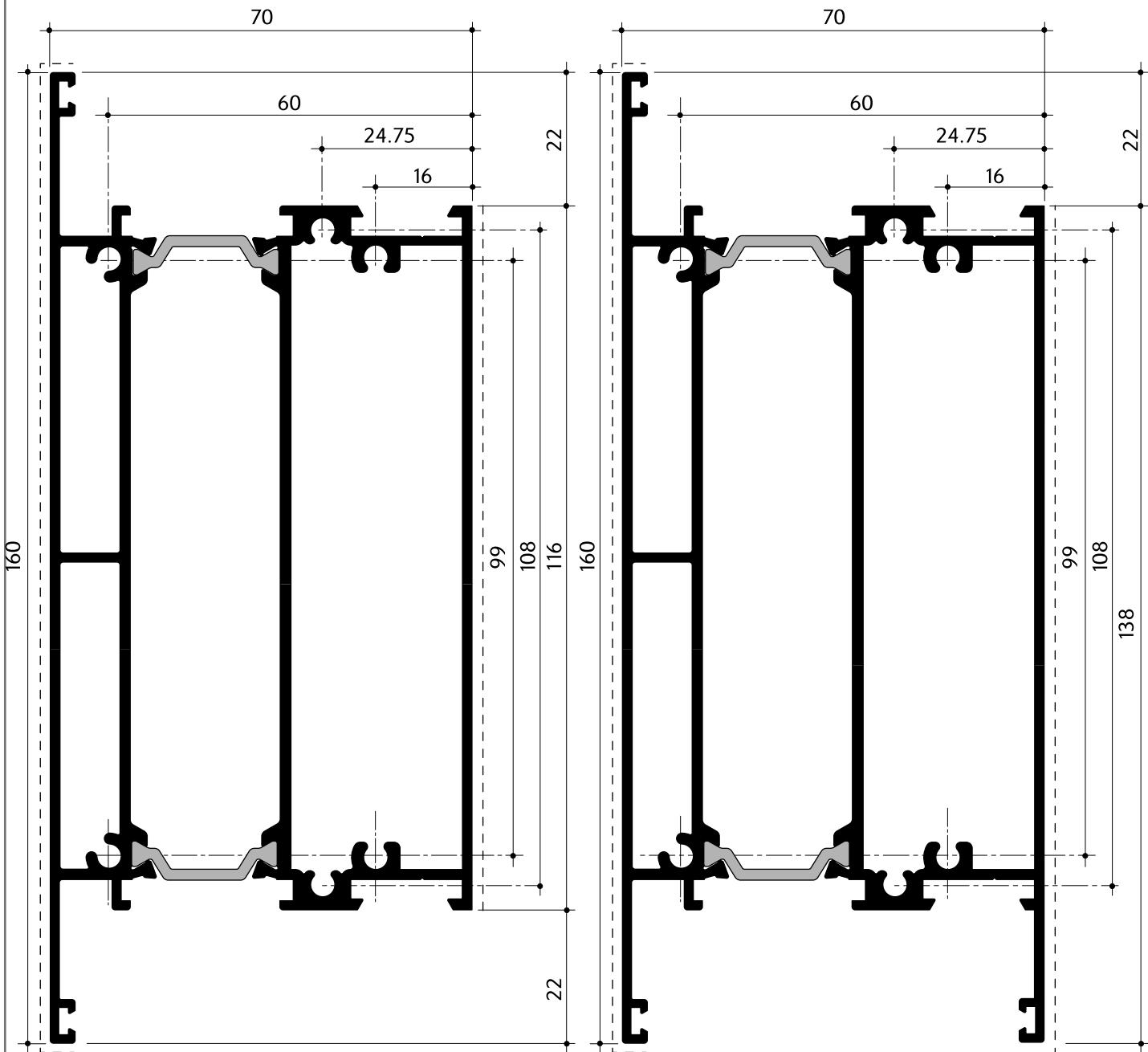










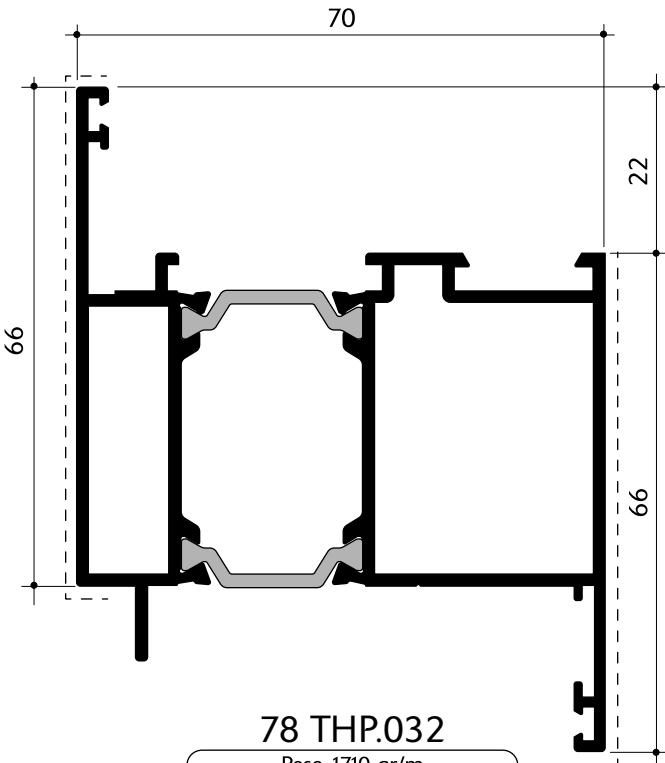


78 THP.017

Peso 3327 gr/m	
Jx 2152931 mm <sup>4</sup>	Jy 749001 mm <sup>4</sup>
sup. vista: mm 284	

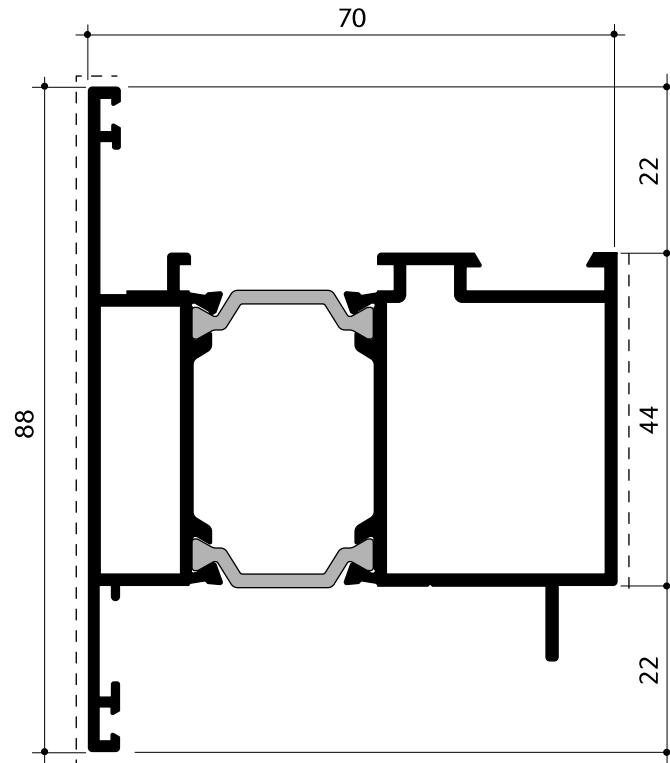
78 THP.018

Peso 3440 gr/m	
Jx 2359309 mm <sup>4</sup>	Jy 808566 mm <sup>4</sup>
sup. vista: mm 314	



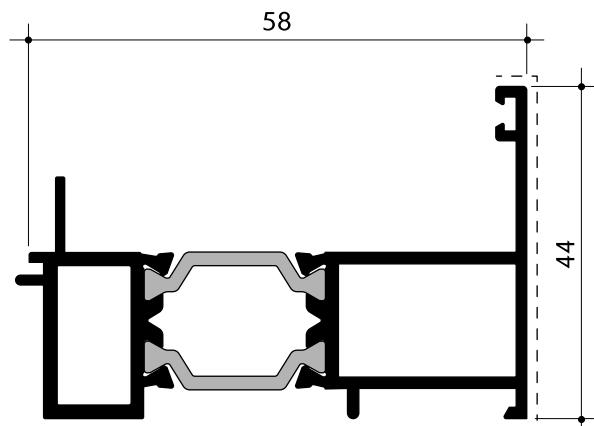
**78 THP.032**

Peso 1710 gr/m  
 $J_x 233034 \text{ mm}^4$   $J_y 387707 \text{ mm}^4$   
 sup. vista: mm 144



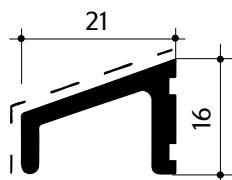
**78 THP.031**

Peso 1696 gr/m  
 $J_x 232853 \text{ mm}^4$   $J_y 369821 \text{ mm}^4$   
 sup. vista: mm 140



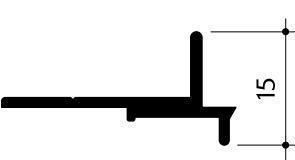
**78 THP.035**

Peso 1108 gr/m  
 $J_x 39006 \text{ mm}^4$   $J_y 194874 \text{ mm}^4$   
 sup. vista: mm 48



**100.009**

Peso 234 gr/m



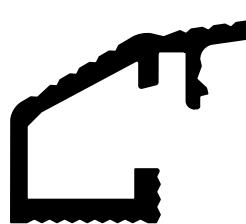
**70.034**

Peso 186 gr/m



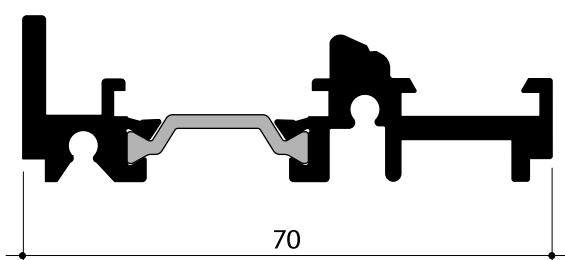
**70.10521**

Peso 180 gr/m



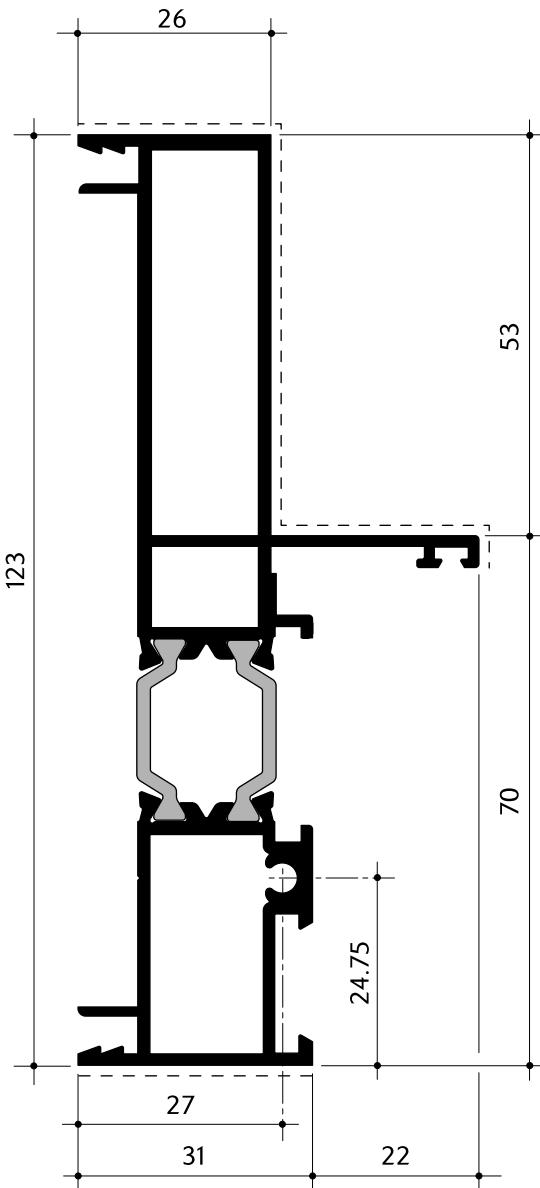
**70.9757**

Peso 526 gr/m



**78 THP.046**

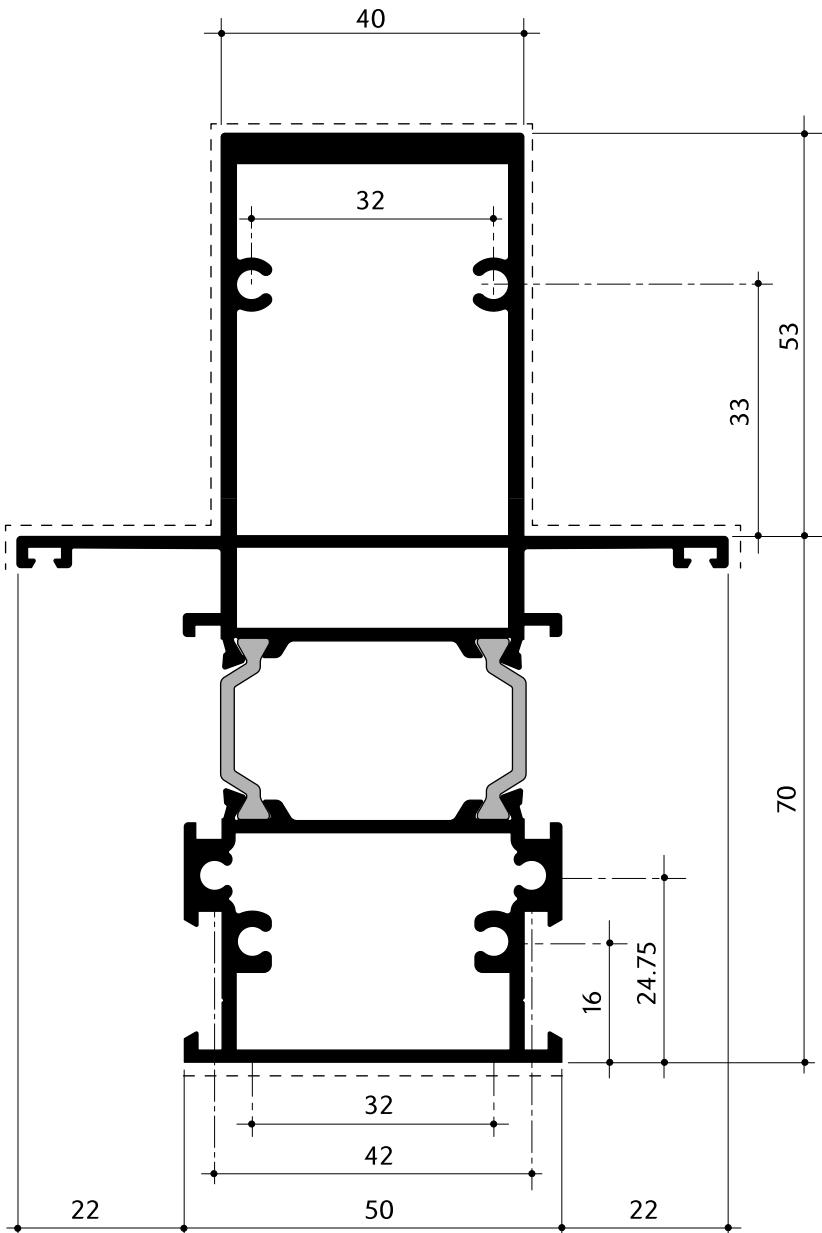
Peso 1065 gr/m



78 THP.021

Peso 1905 gr/m

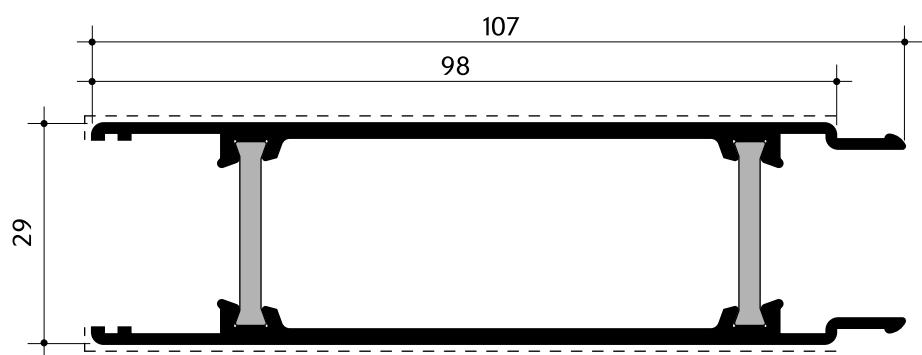
Jx 966692 mm <sup>4</sup>	Jy 74536 mm <sup>4</sup>
sup. vista: mm 163	



78 THP.020

Peso 3109 gr/m

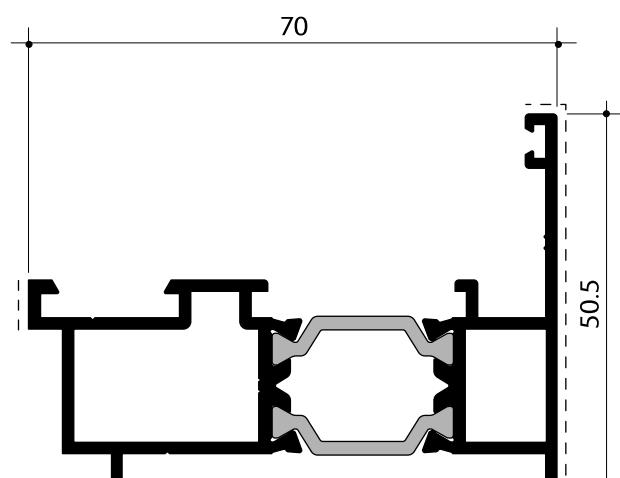
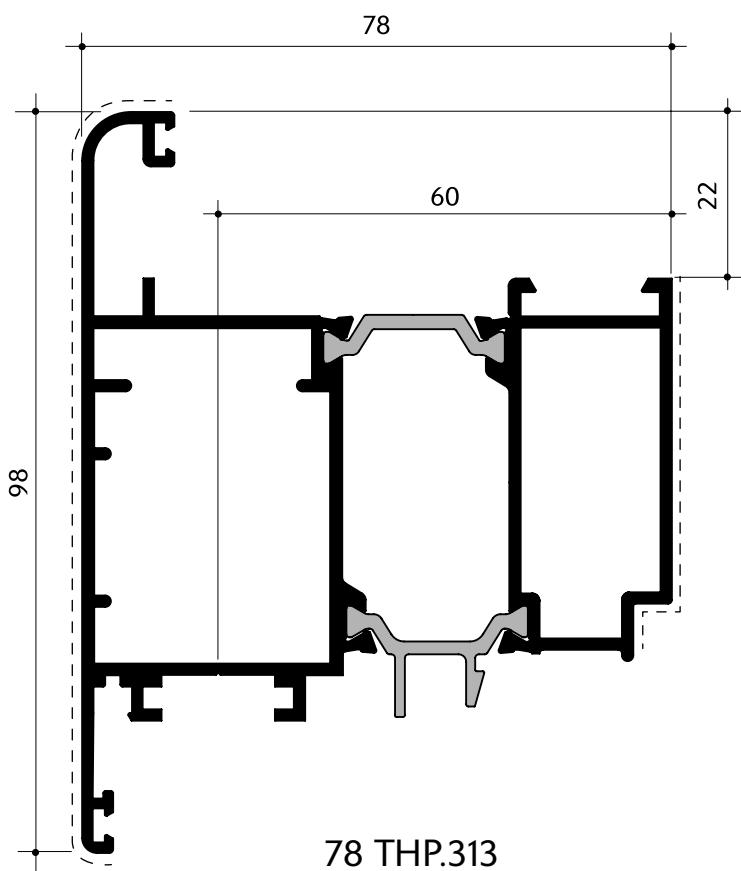
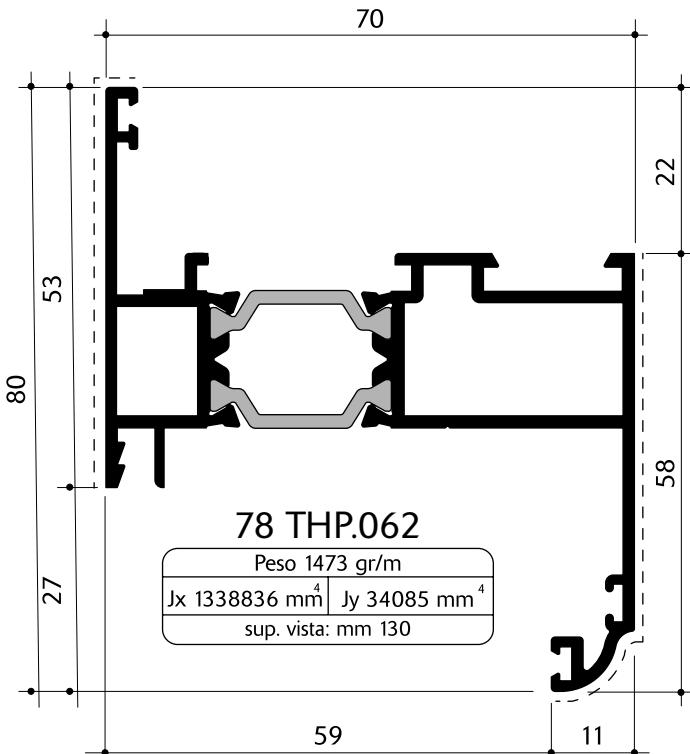
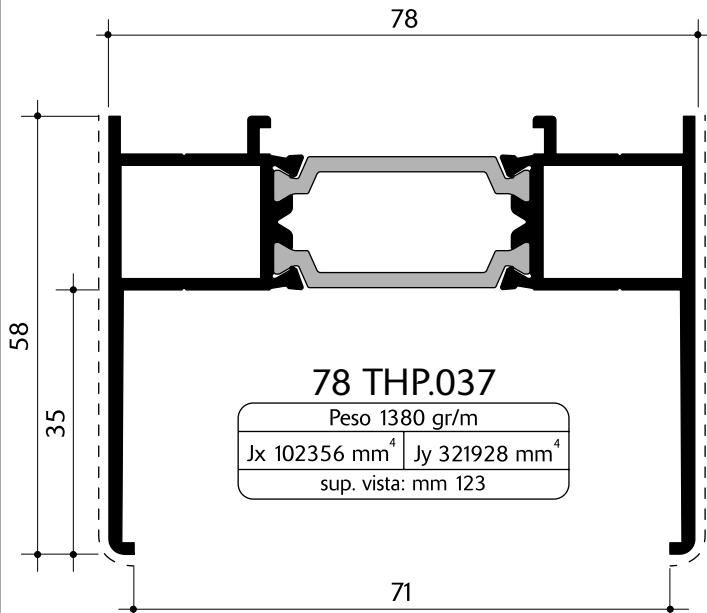
Jx 1700374 mm <sup>4</sup>	Jy 405999 mm <sup>4</sup>
sup. vista: mm 250	

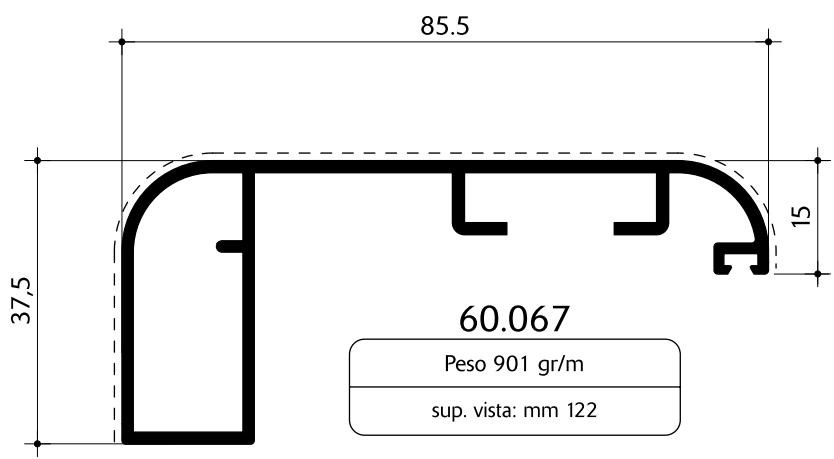
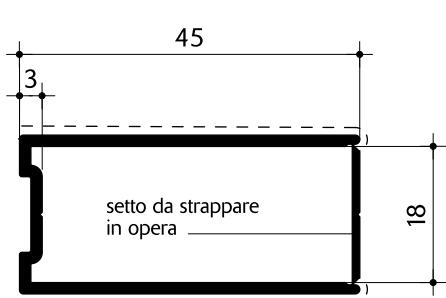
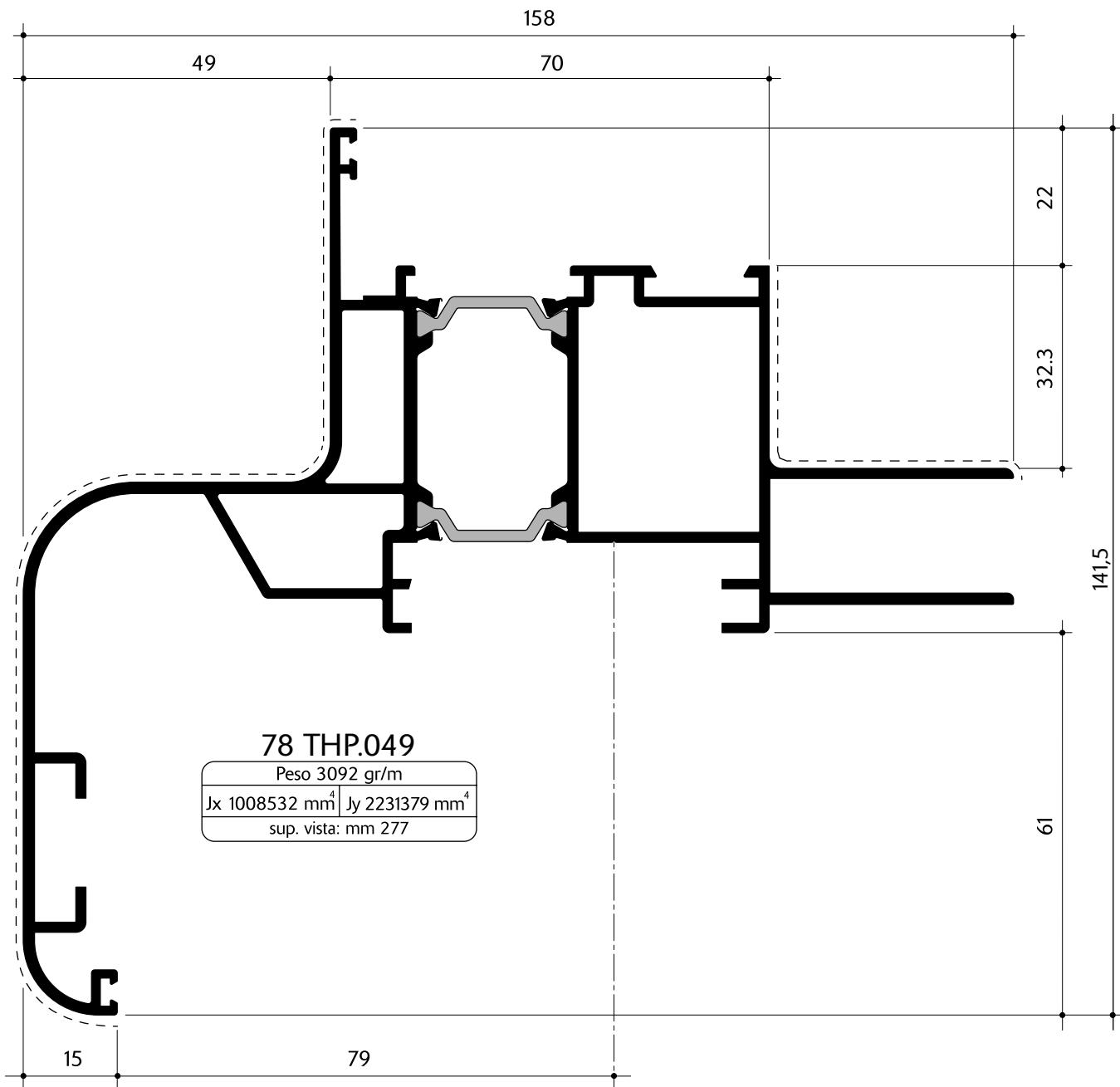


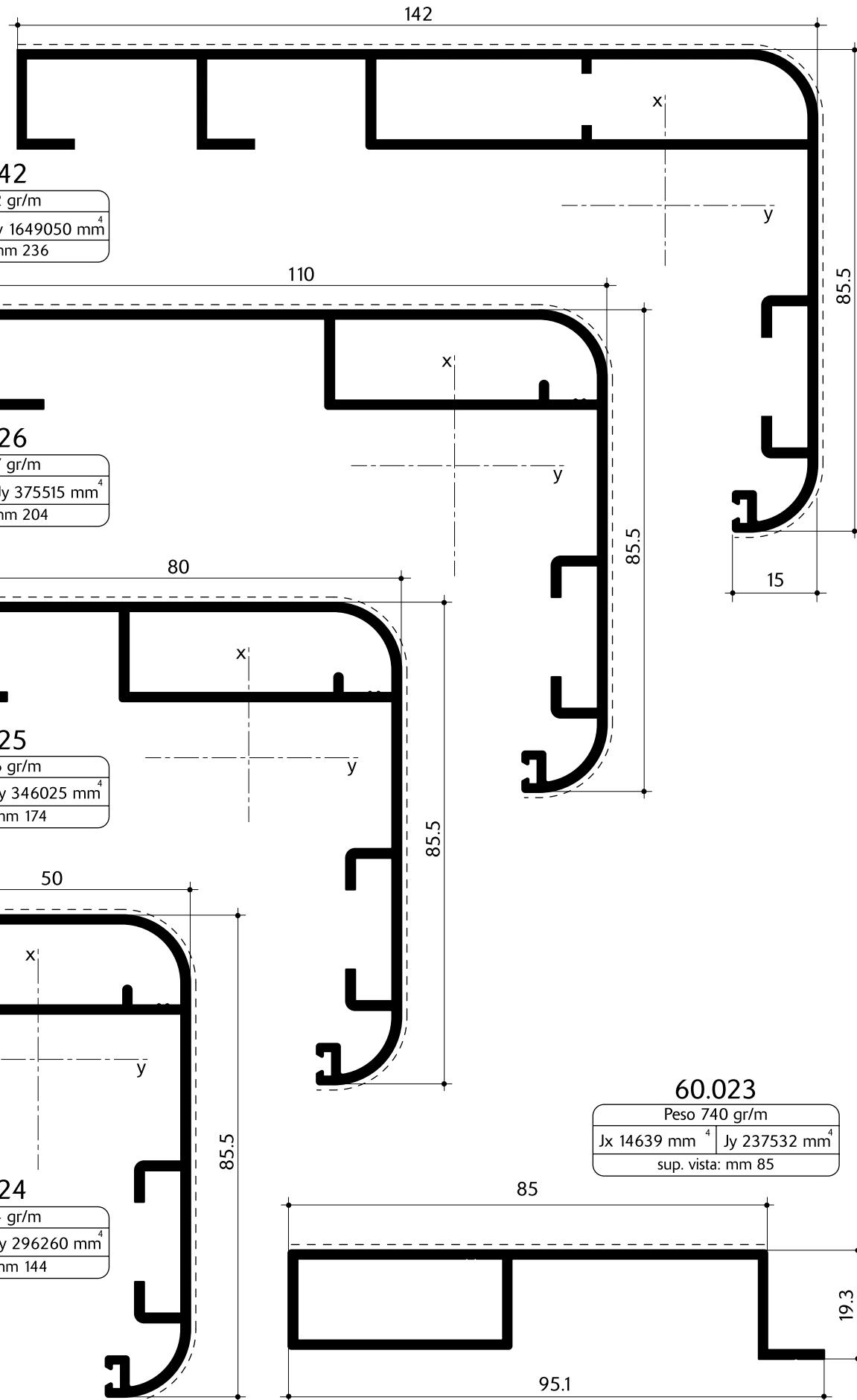
78 TH.033

Peso 1320 gr/m

sup. vista: mm 200
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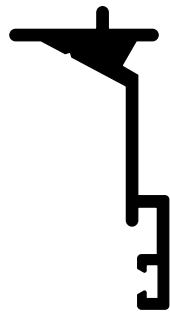






**70.6007**

Peso 369 gr/m



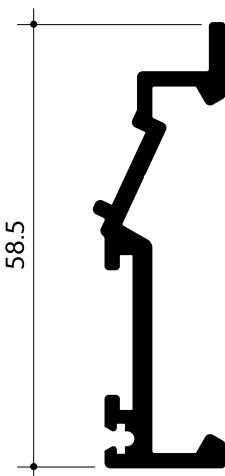
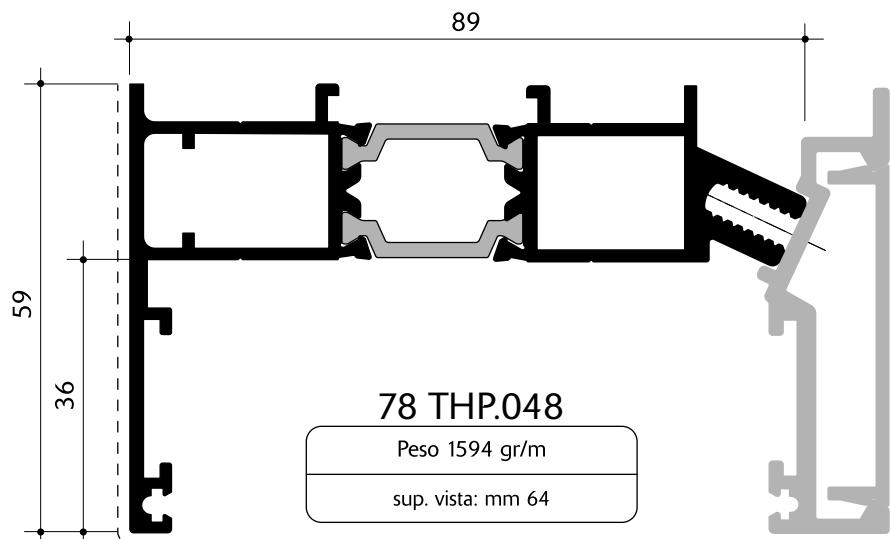
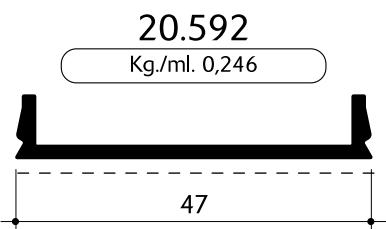
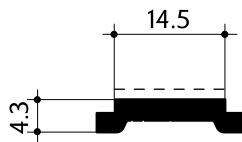
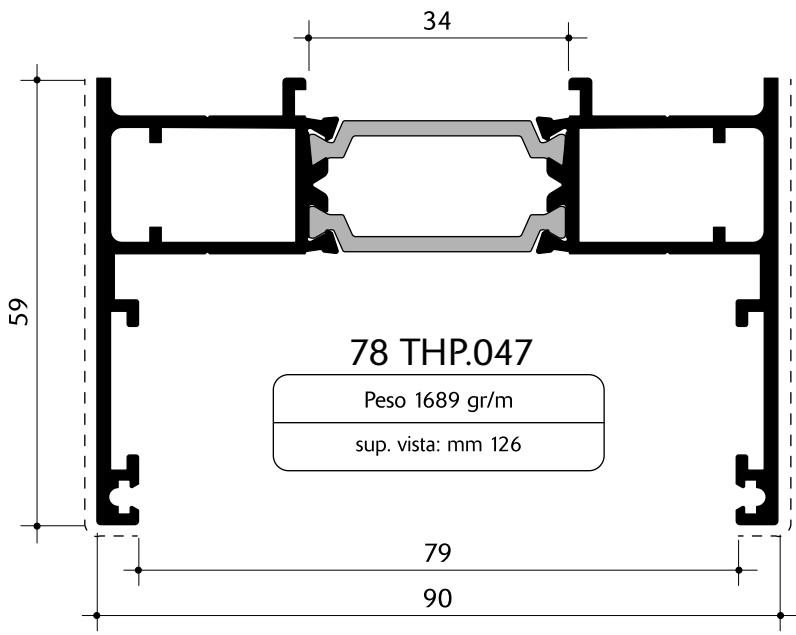
**70.6008**

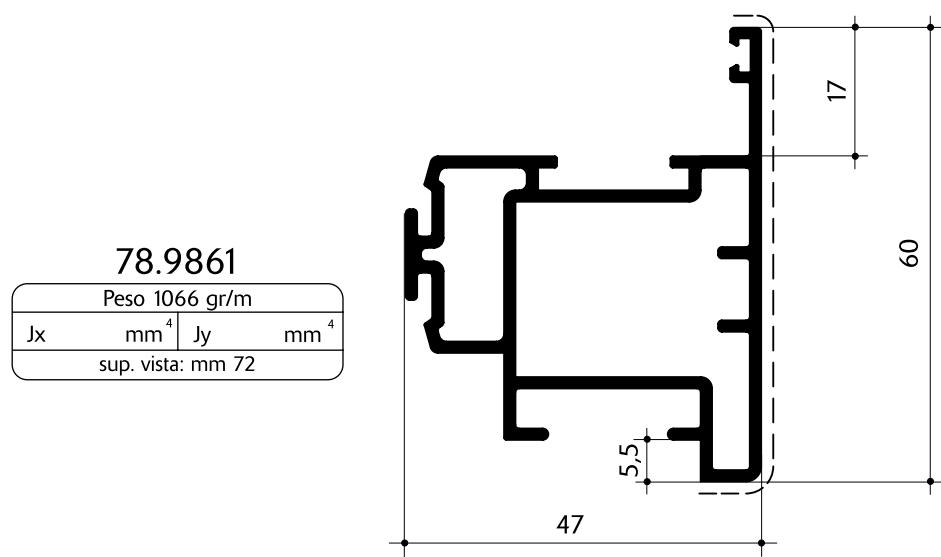
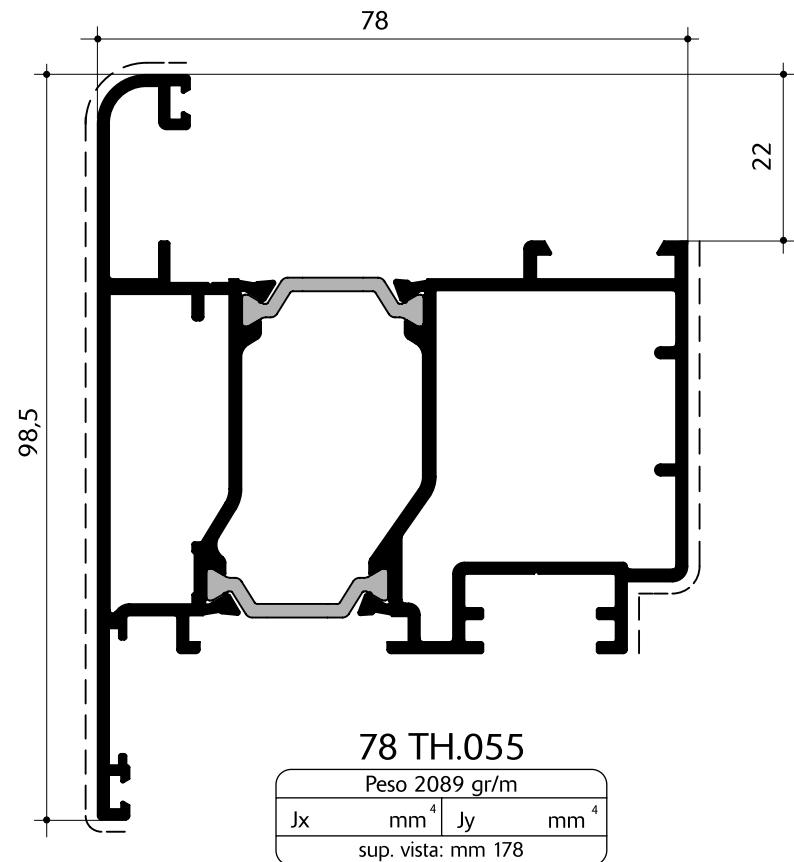
Peso 358 gr/m

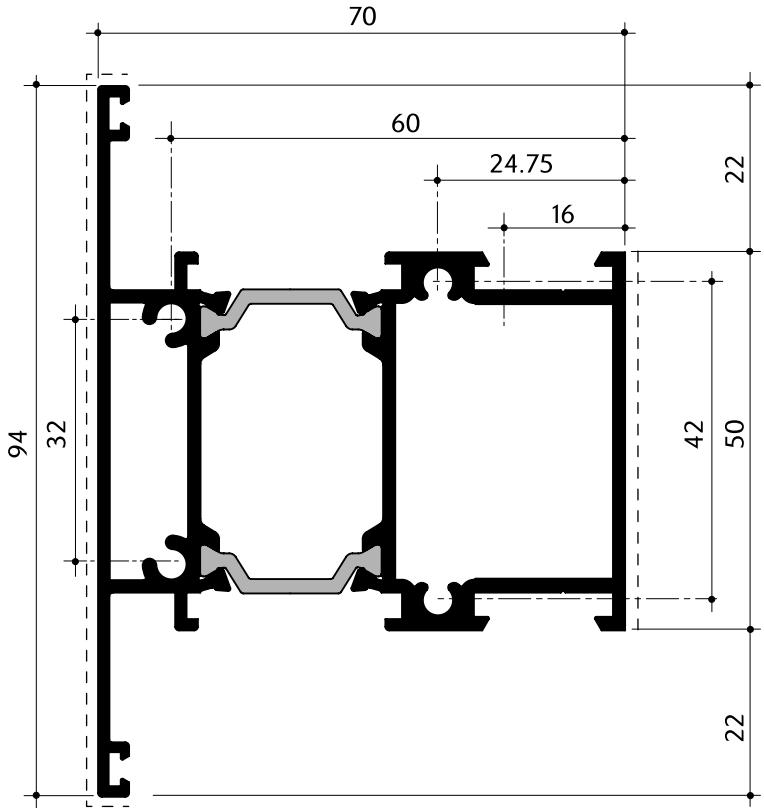


**70.6010**

Peso 443 gr/m



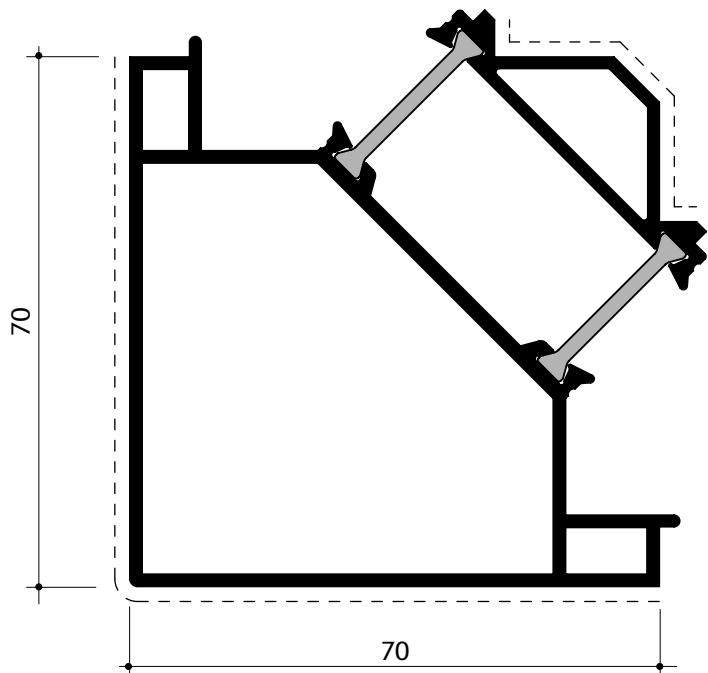




78 THP.081

Peso 2015 gr/m

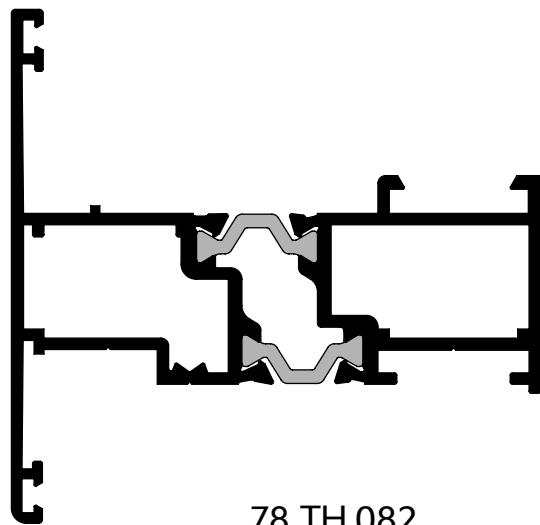
Jx 309115 mm <sup>4</sup>	Jy 441231 mm <sup>4</sup>
sup. vista: mm 152	



78 THP.057

Peso 1863 gr/m

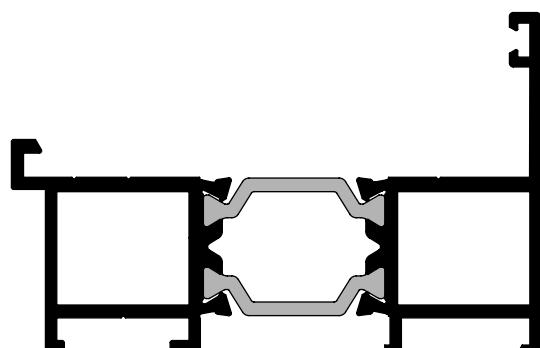
sup. vista: mm 180



78 TH.082

Peso 1460 gr/m

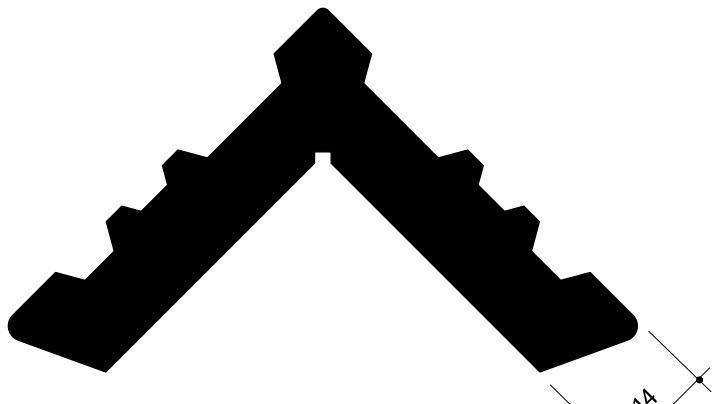
SOLO A RICHIESTA



78 TH.083

Peso 1216 gr/m

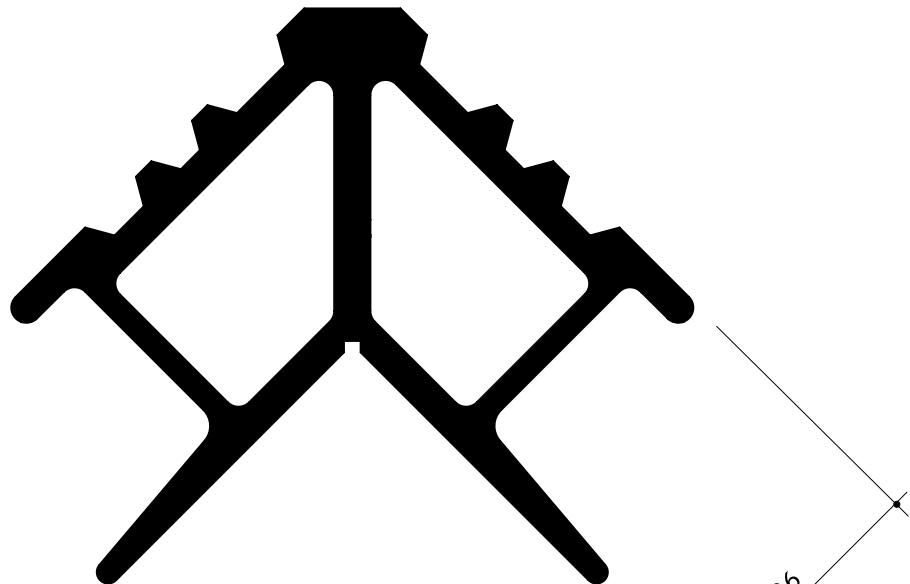
SOLO A RICHIESTA



60.043

Peso 3310 gr/m

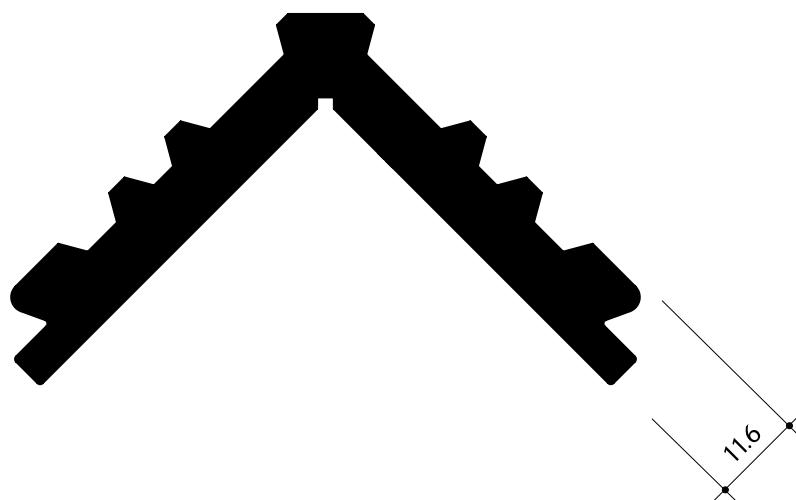
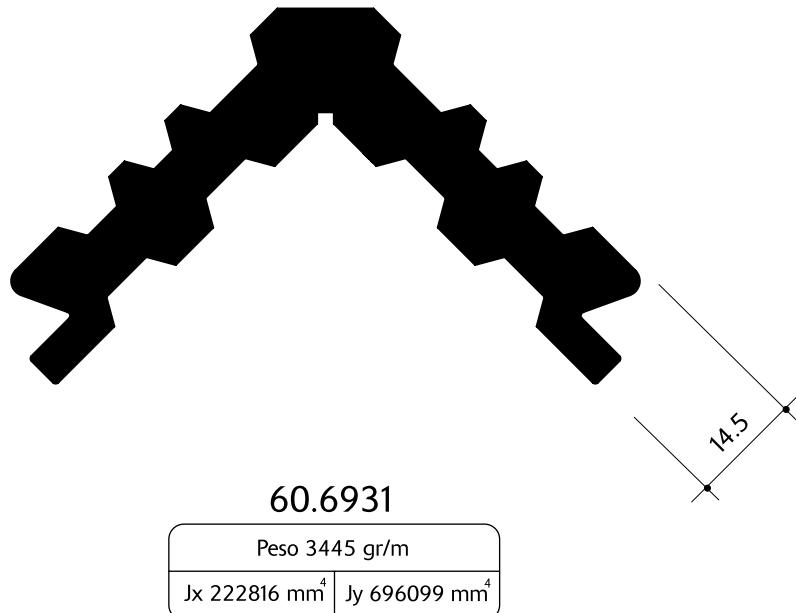
Jx 152253 mm <sup>4</sup>	Jy 550648 mm <sup>4</sup>
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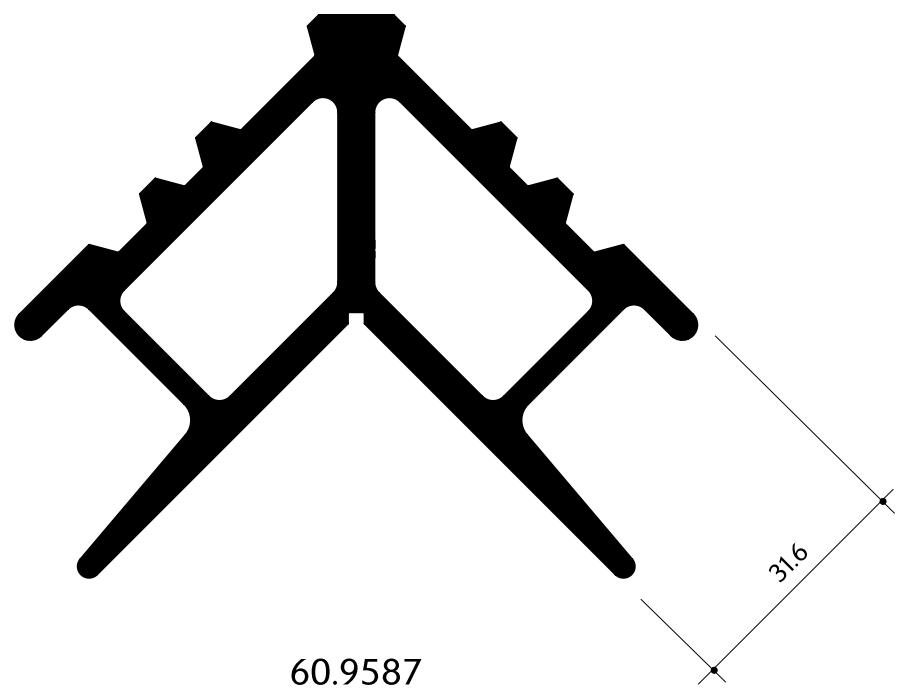
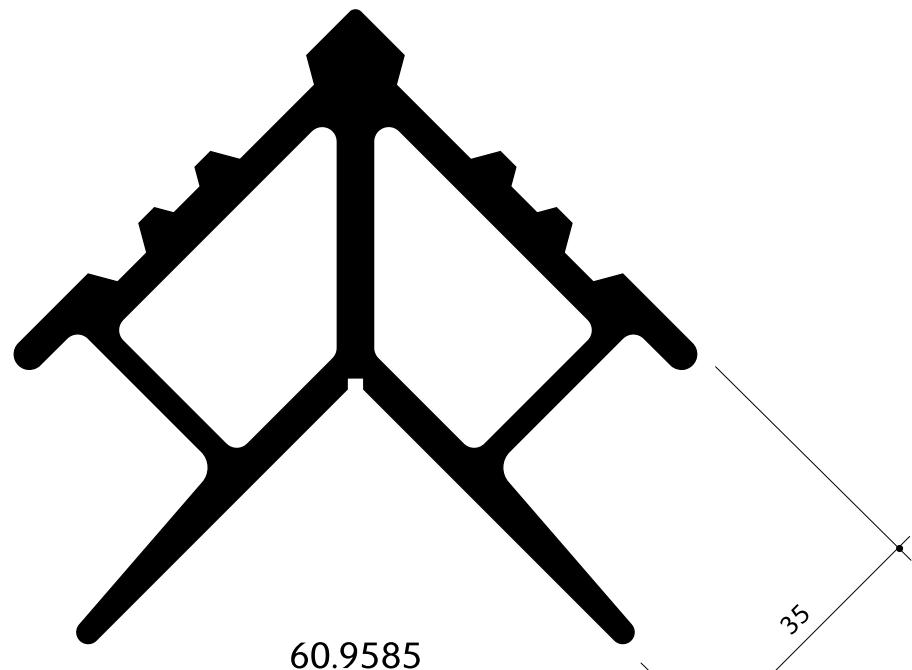


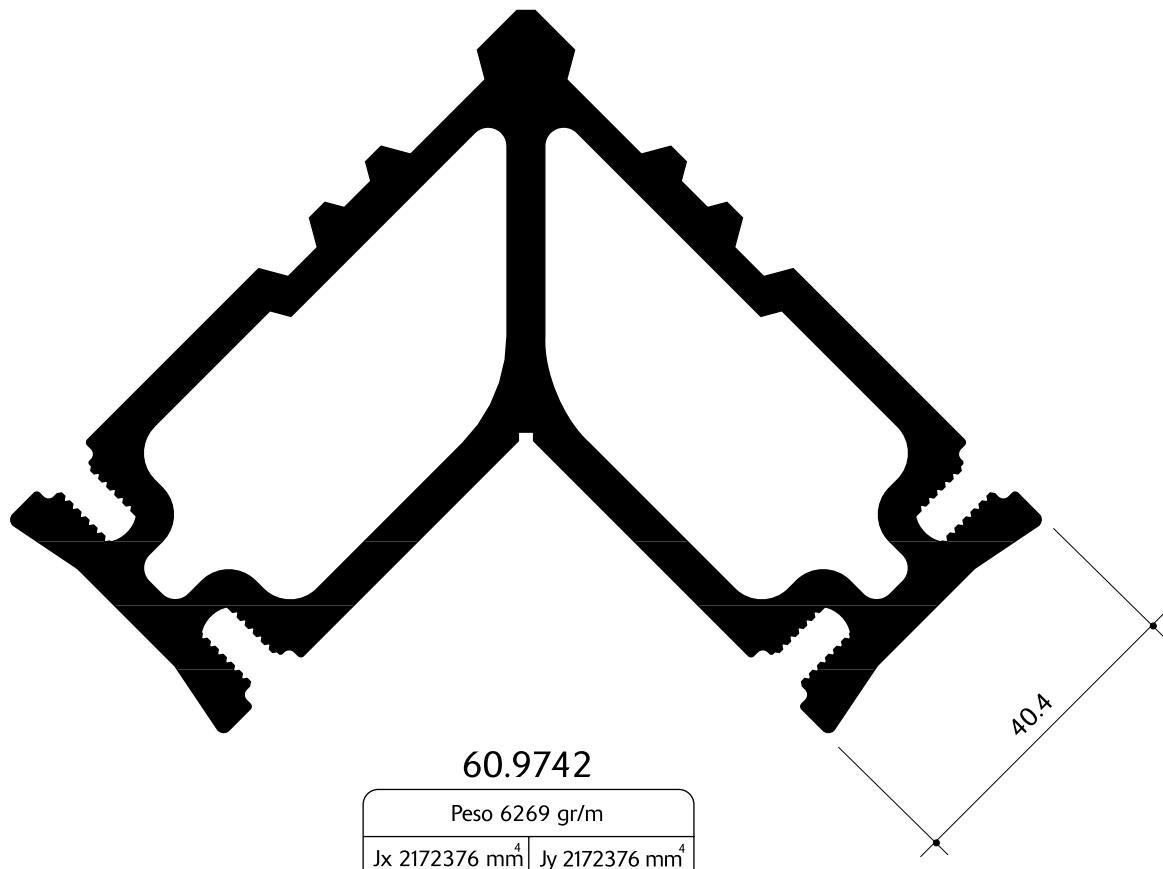
60.044

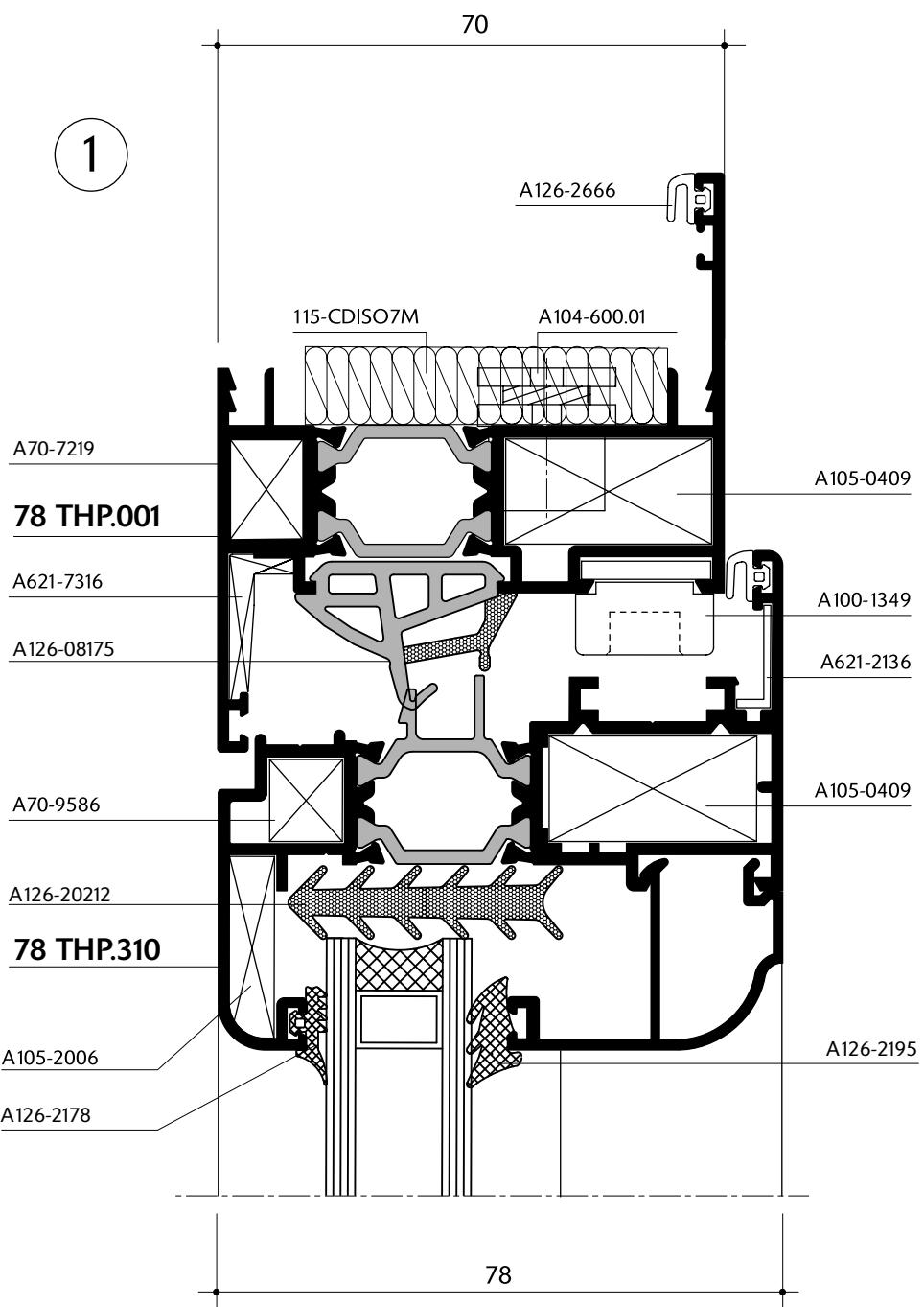
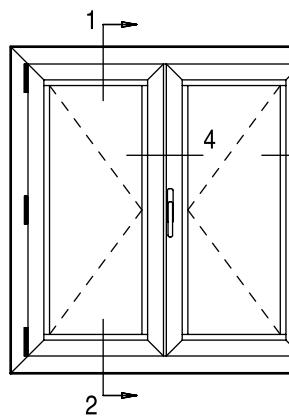
Peso 3480 gr/m

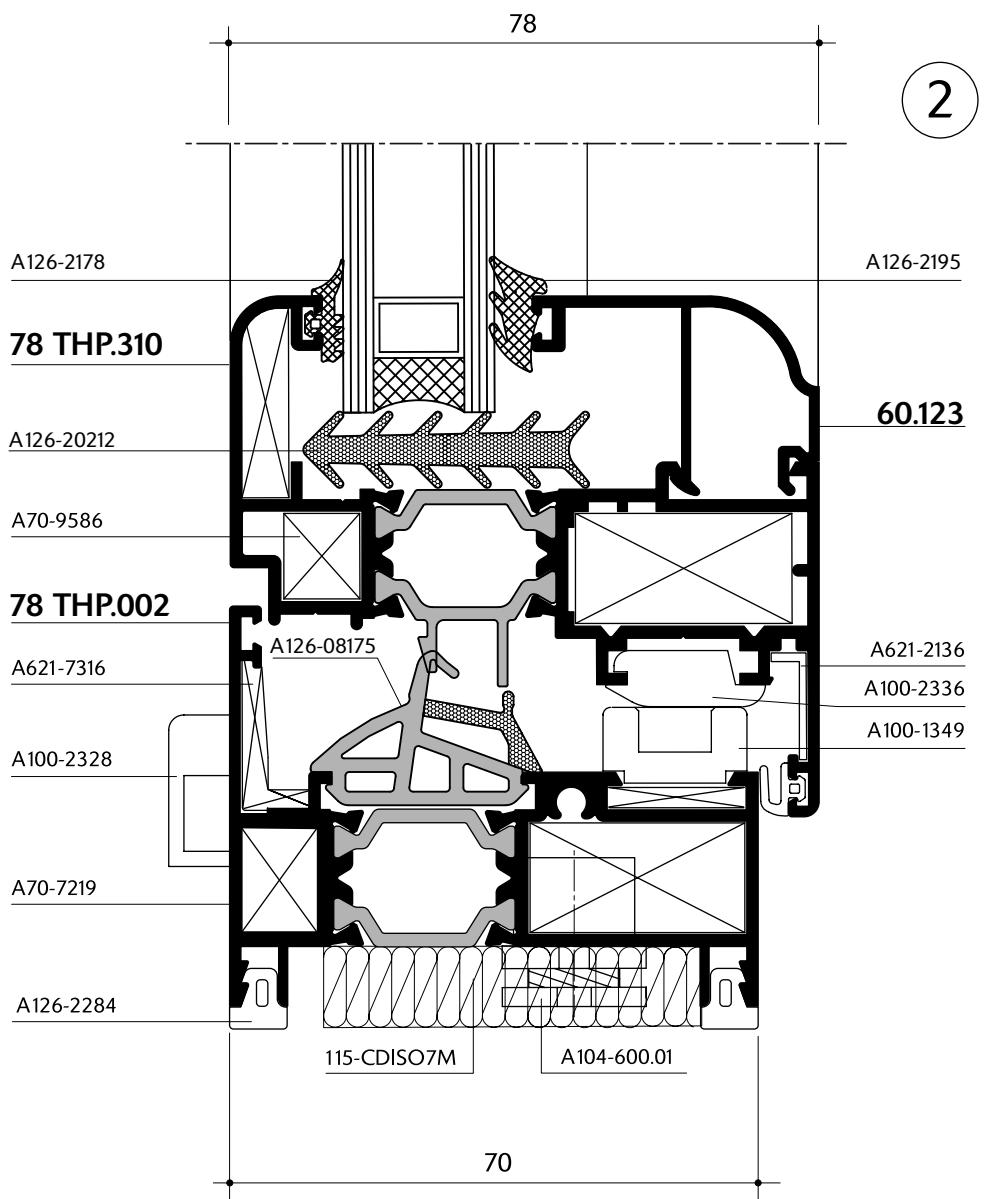
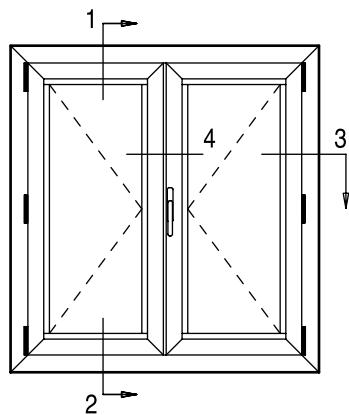
Jx 479333 mm <sup>4</sup>	Jy 514726 mm <sup>4</sup>
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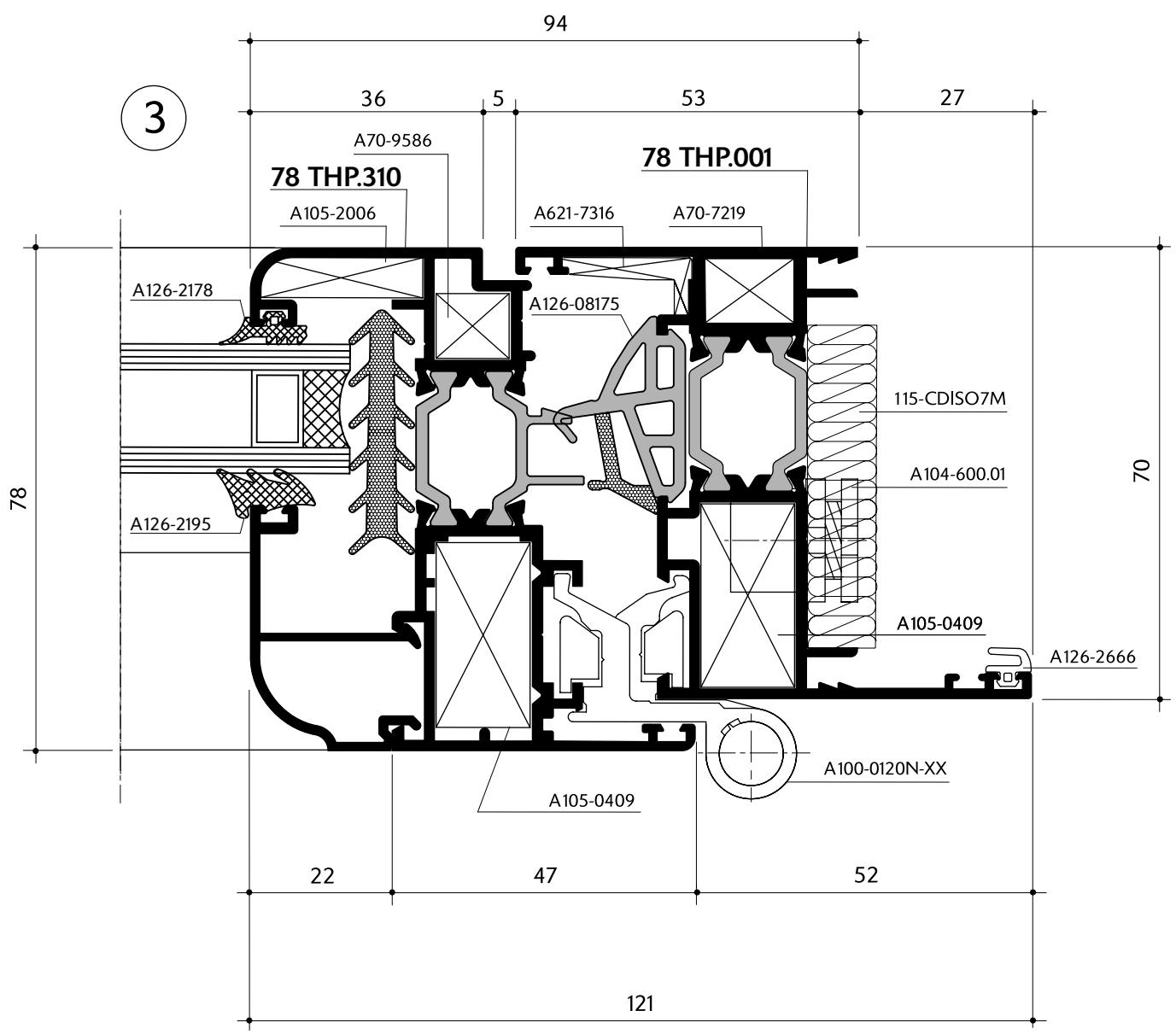
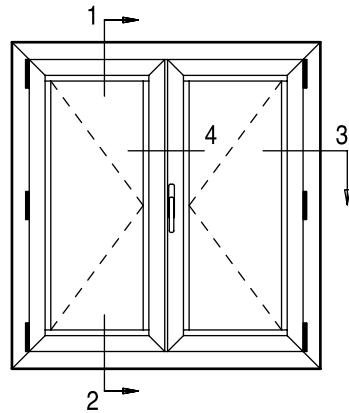


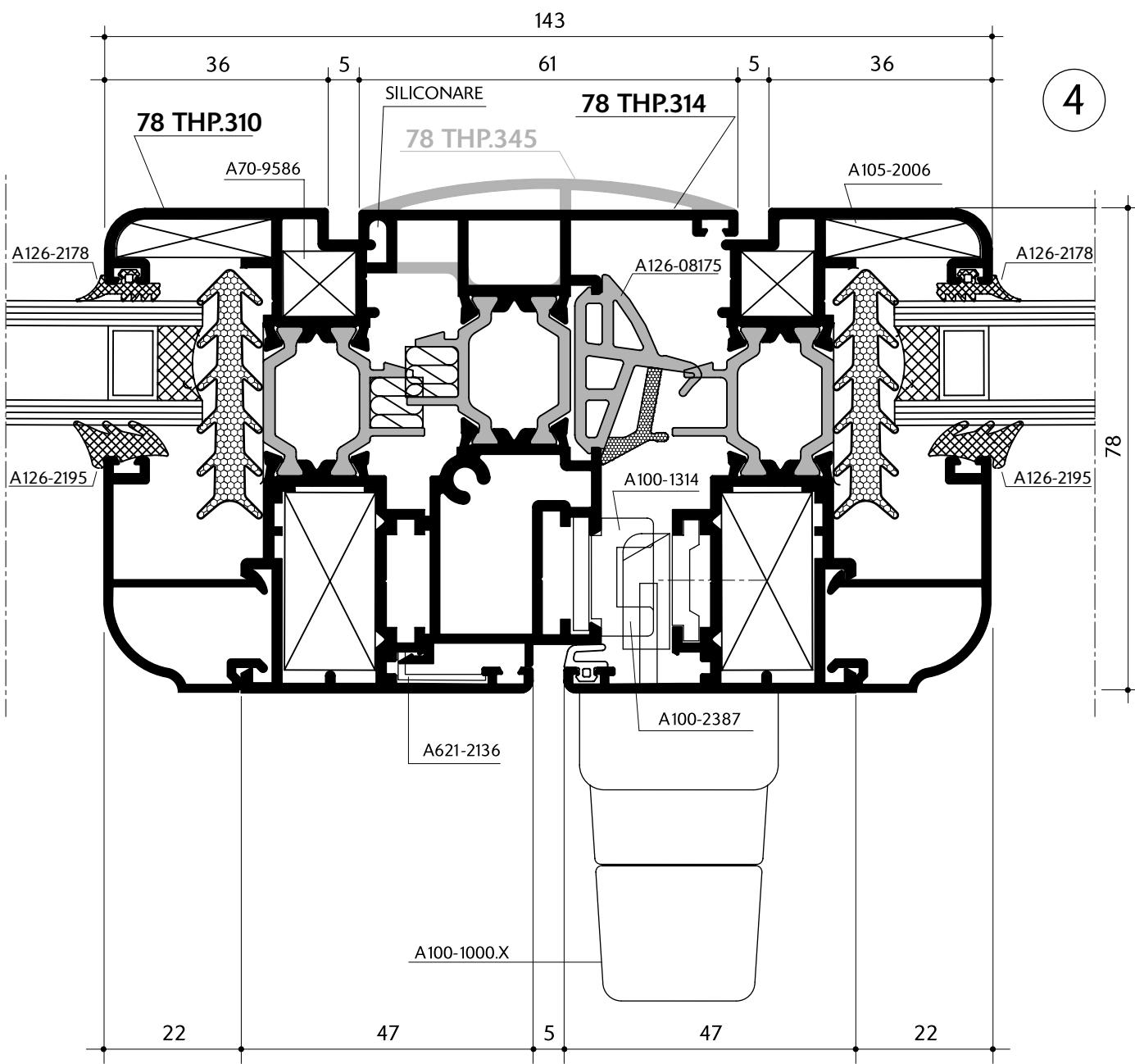
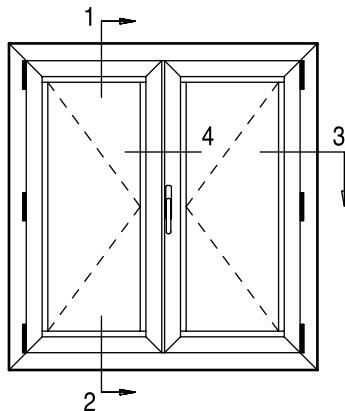


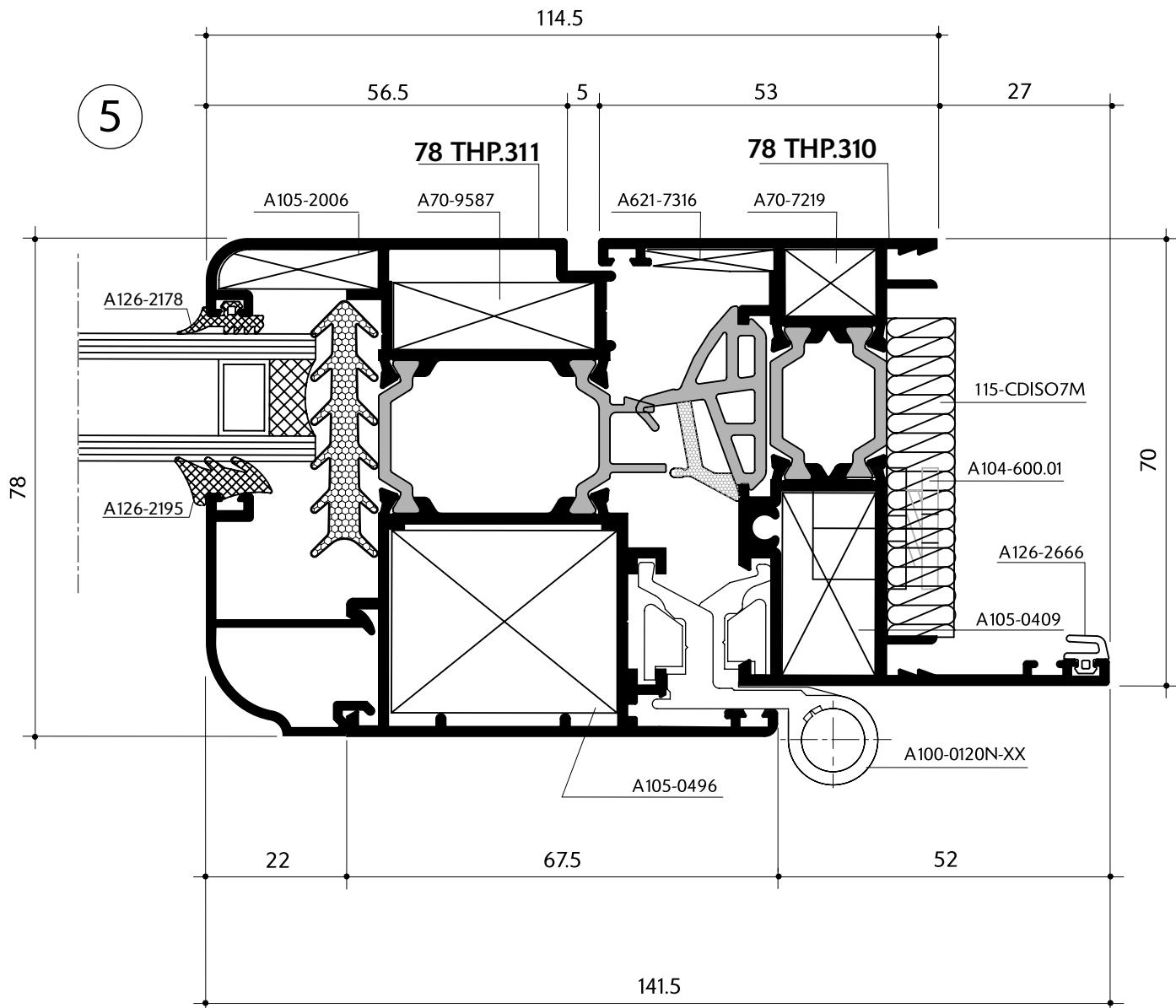
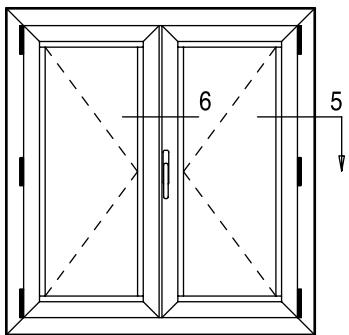


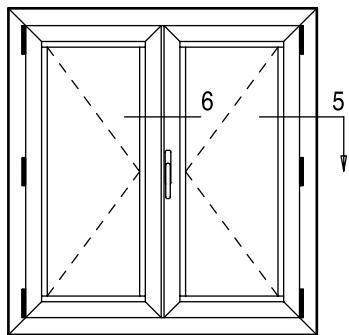




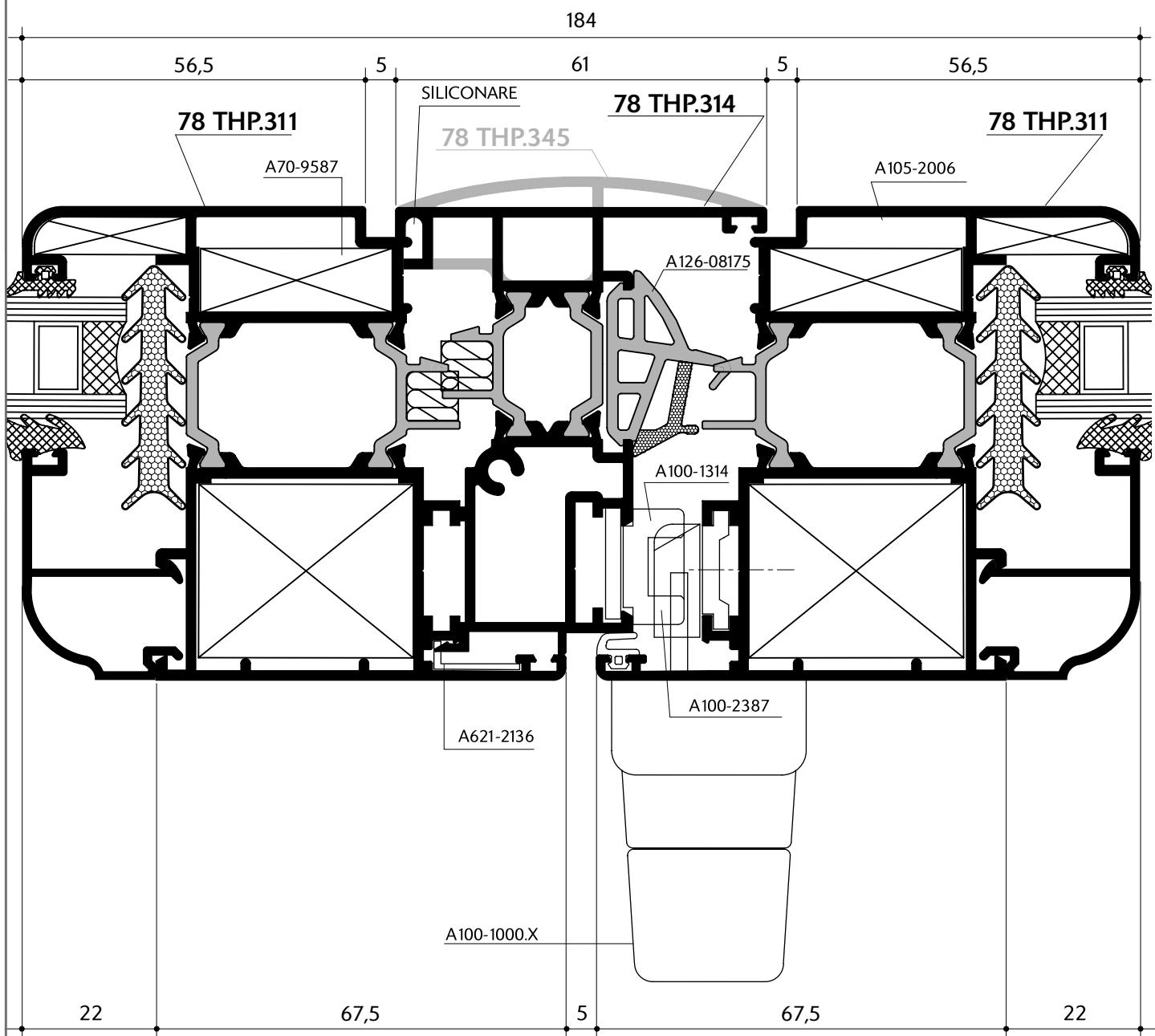


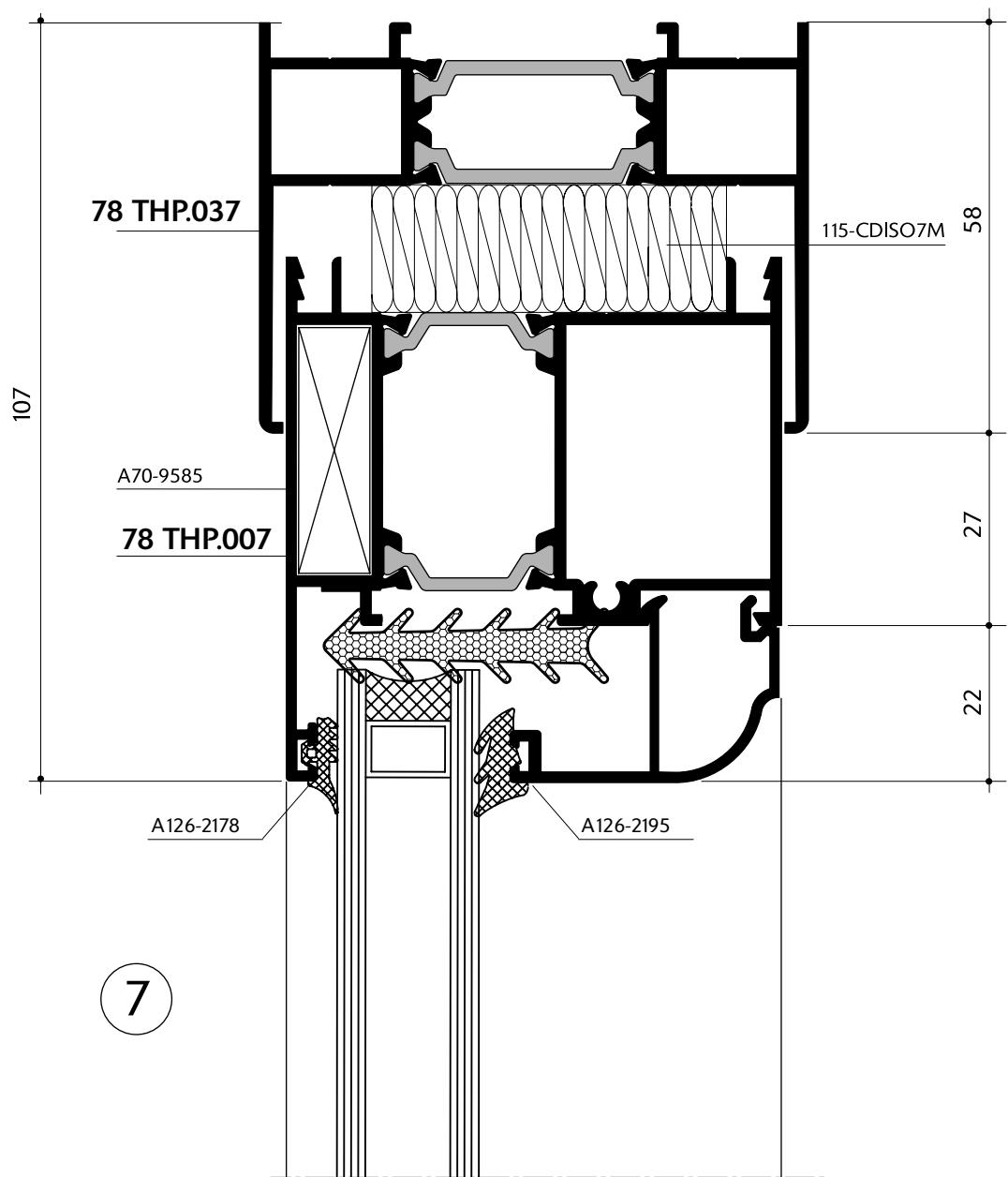
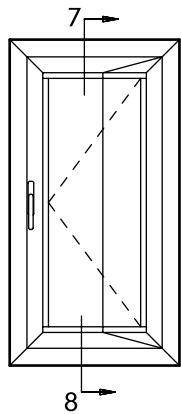


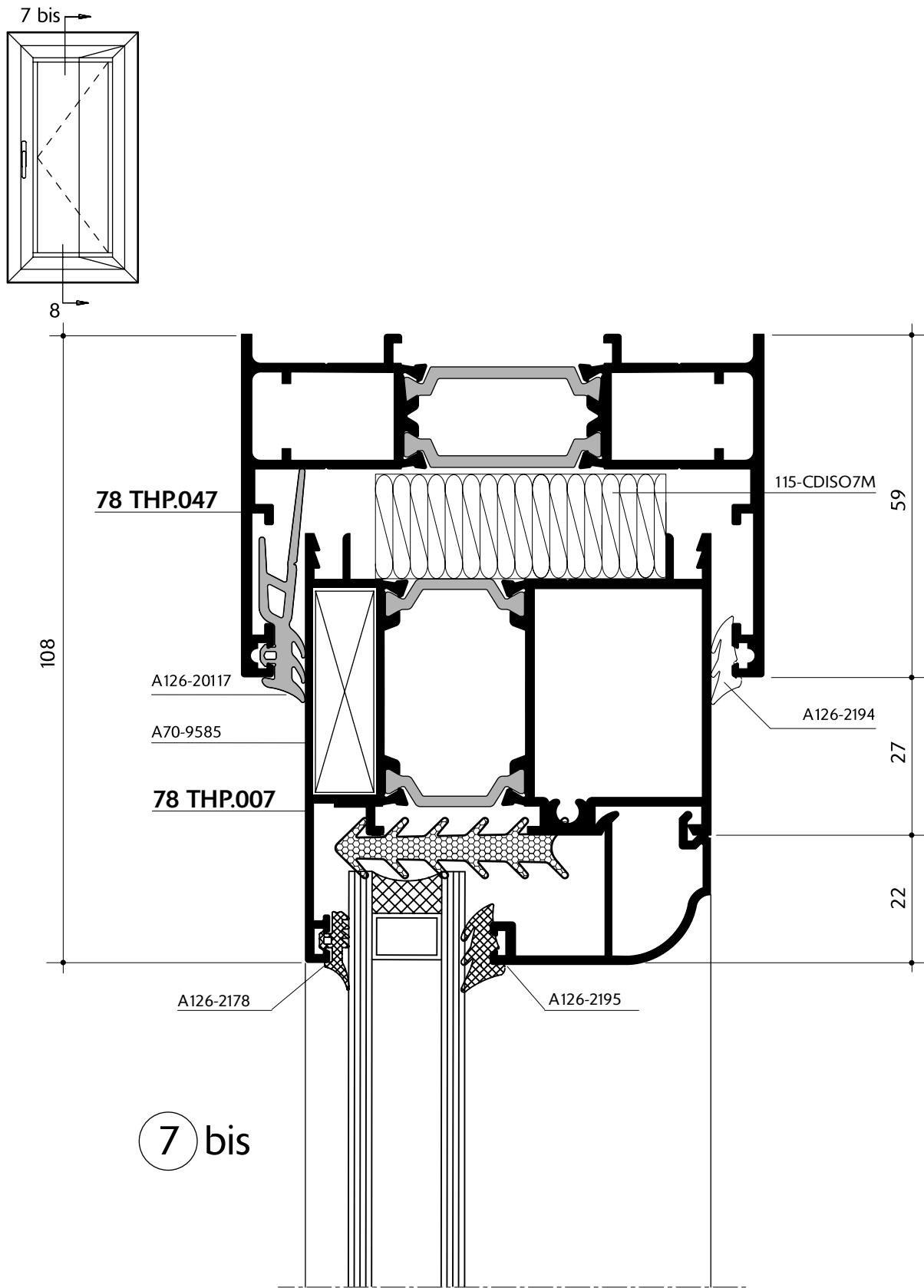


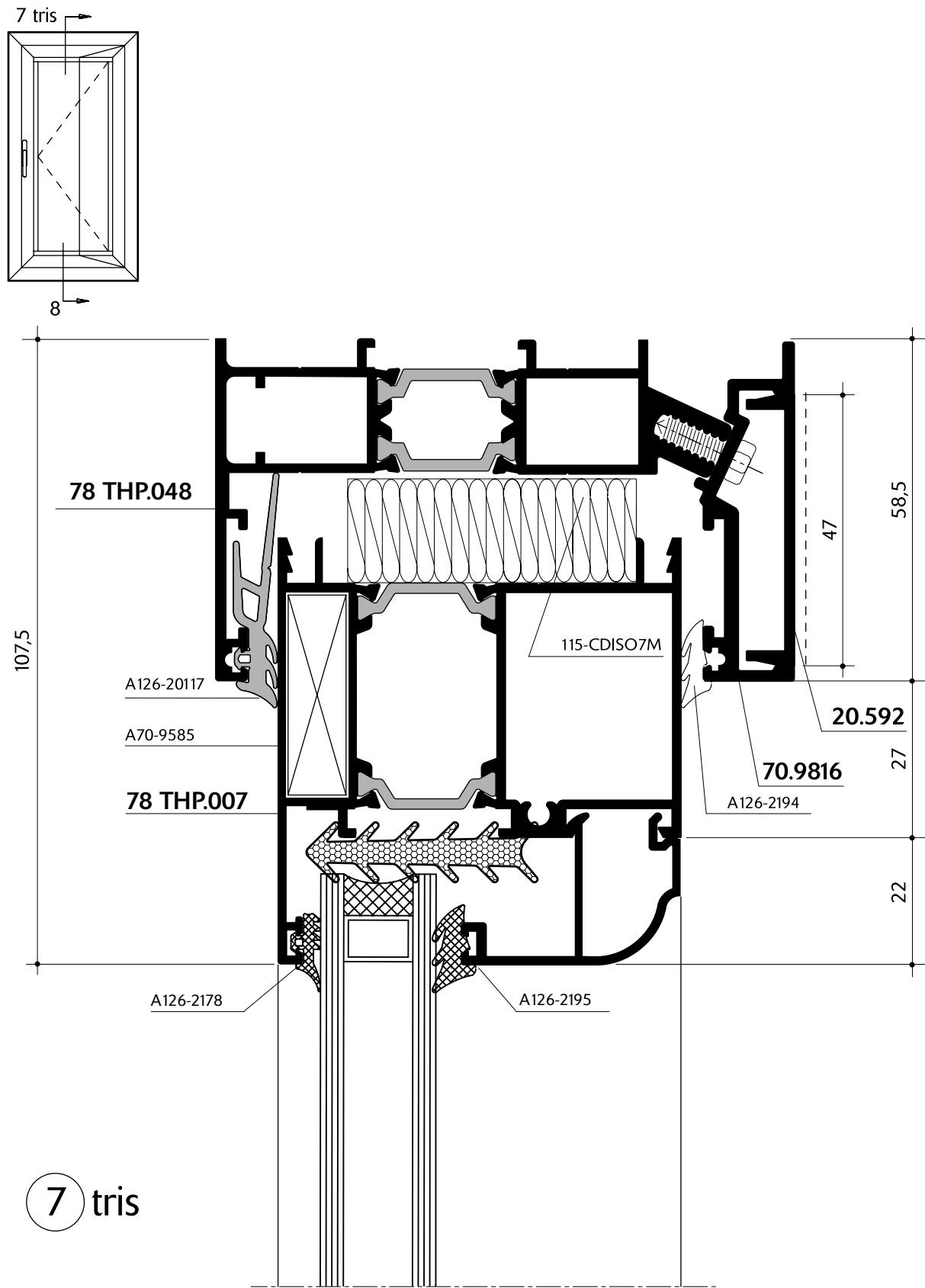


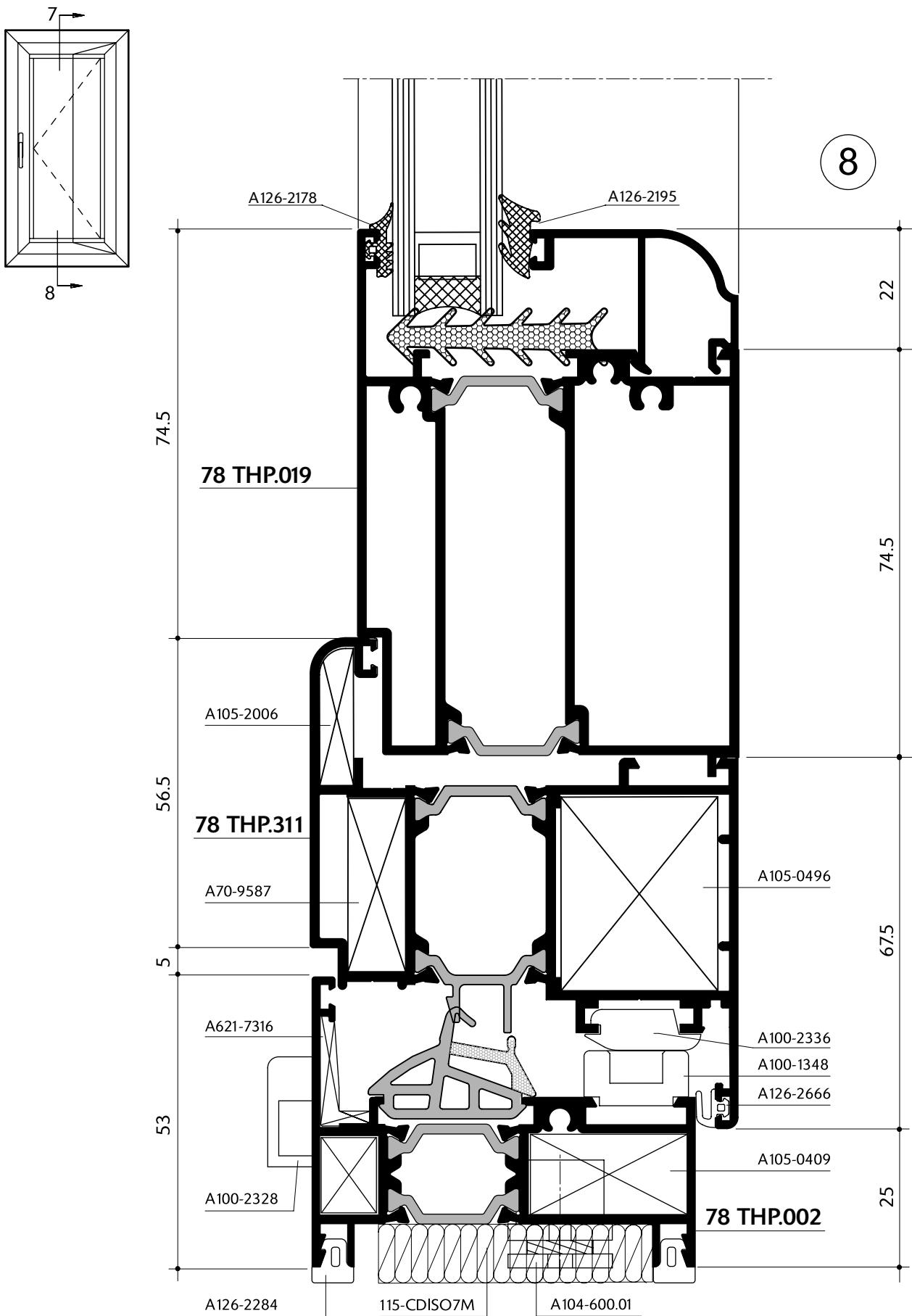
6

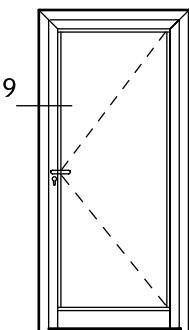




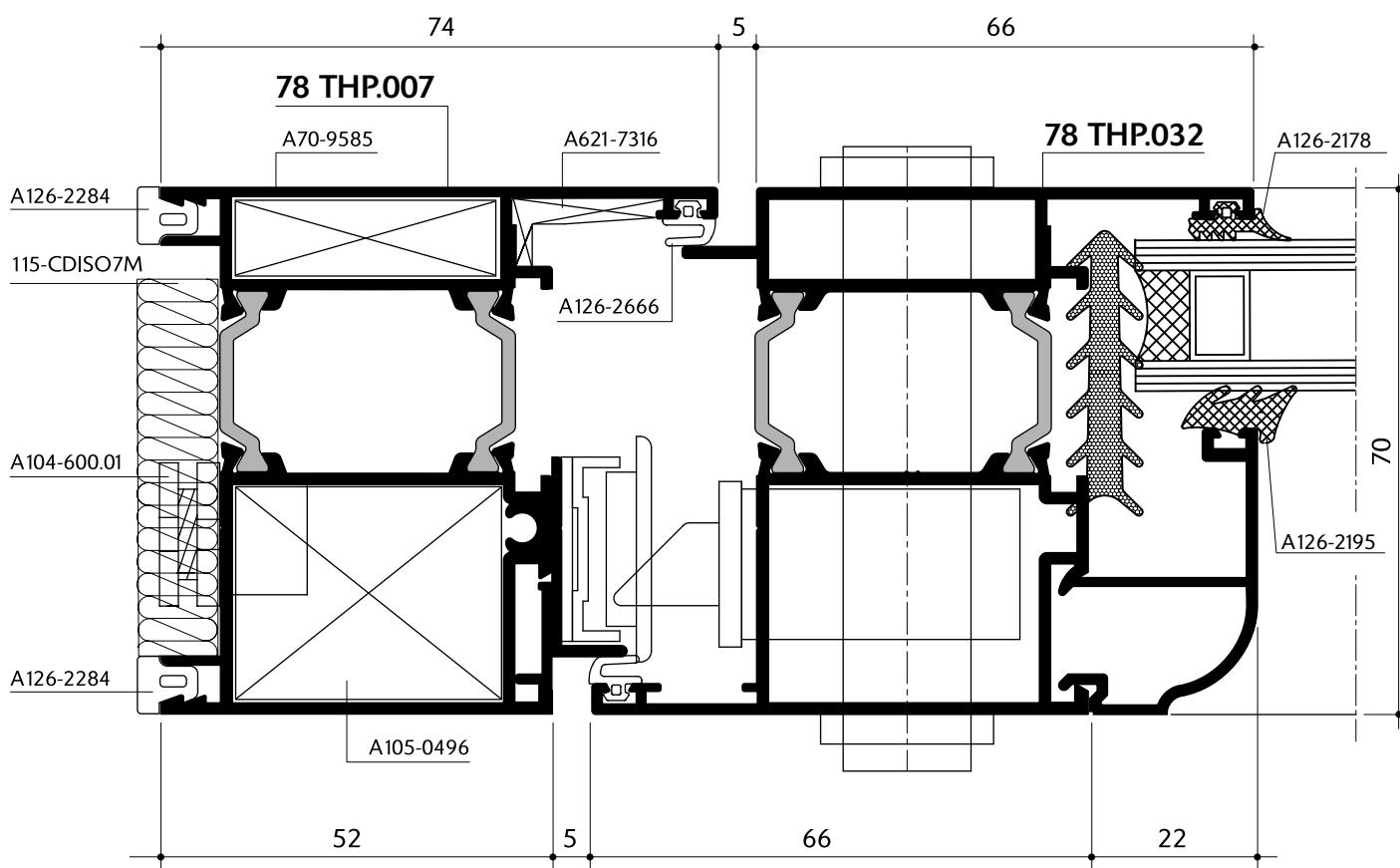


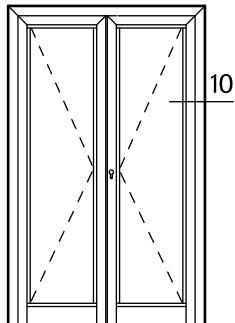






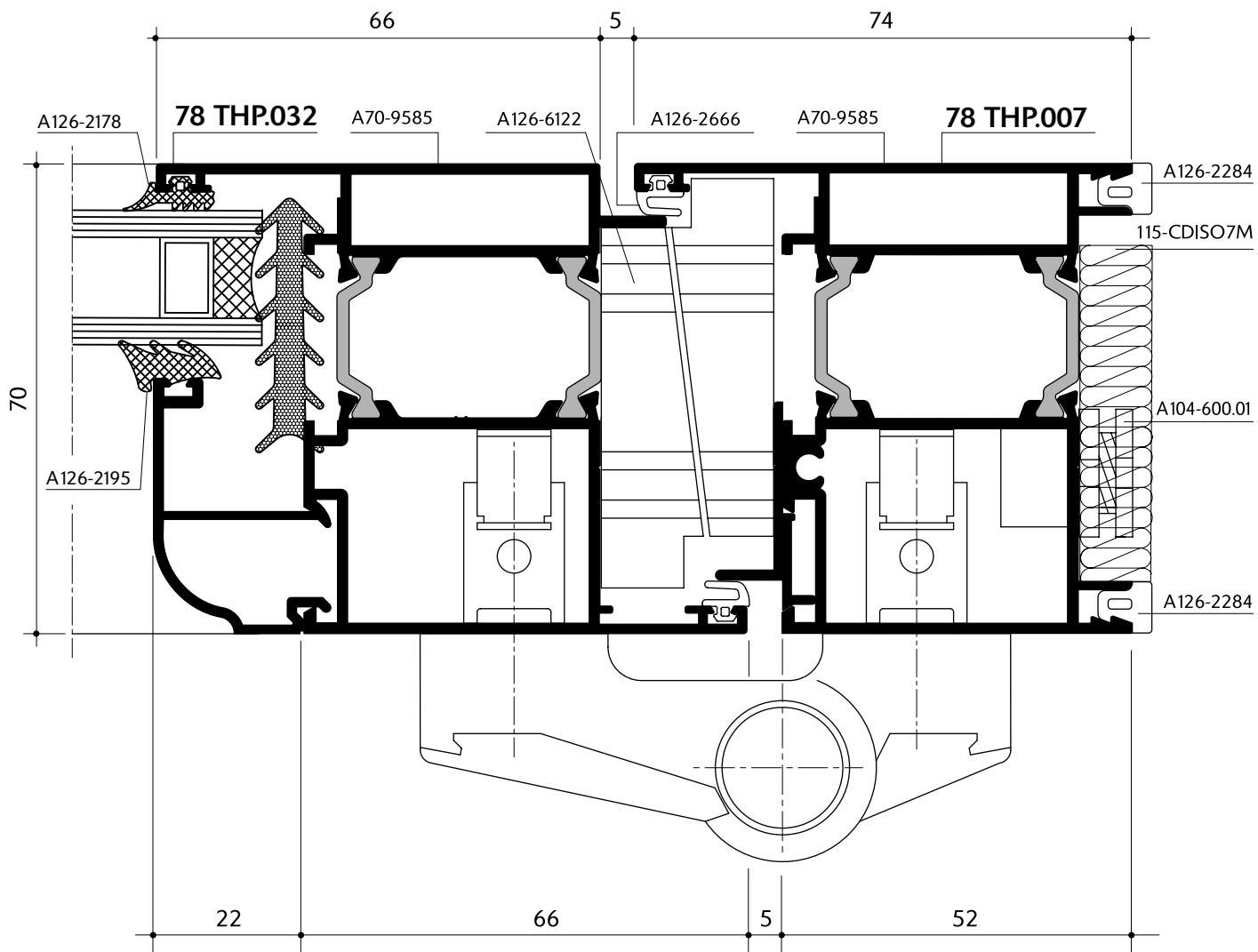
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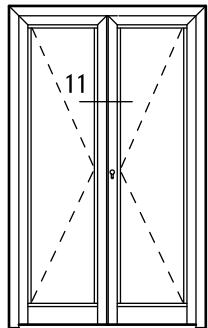




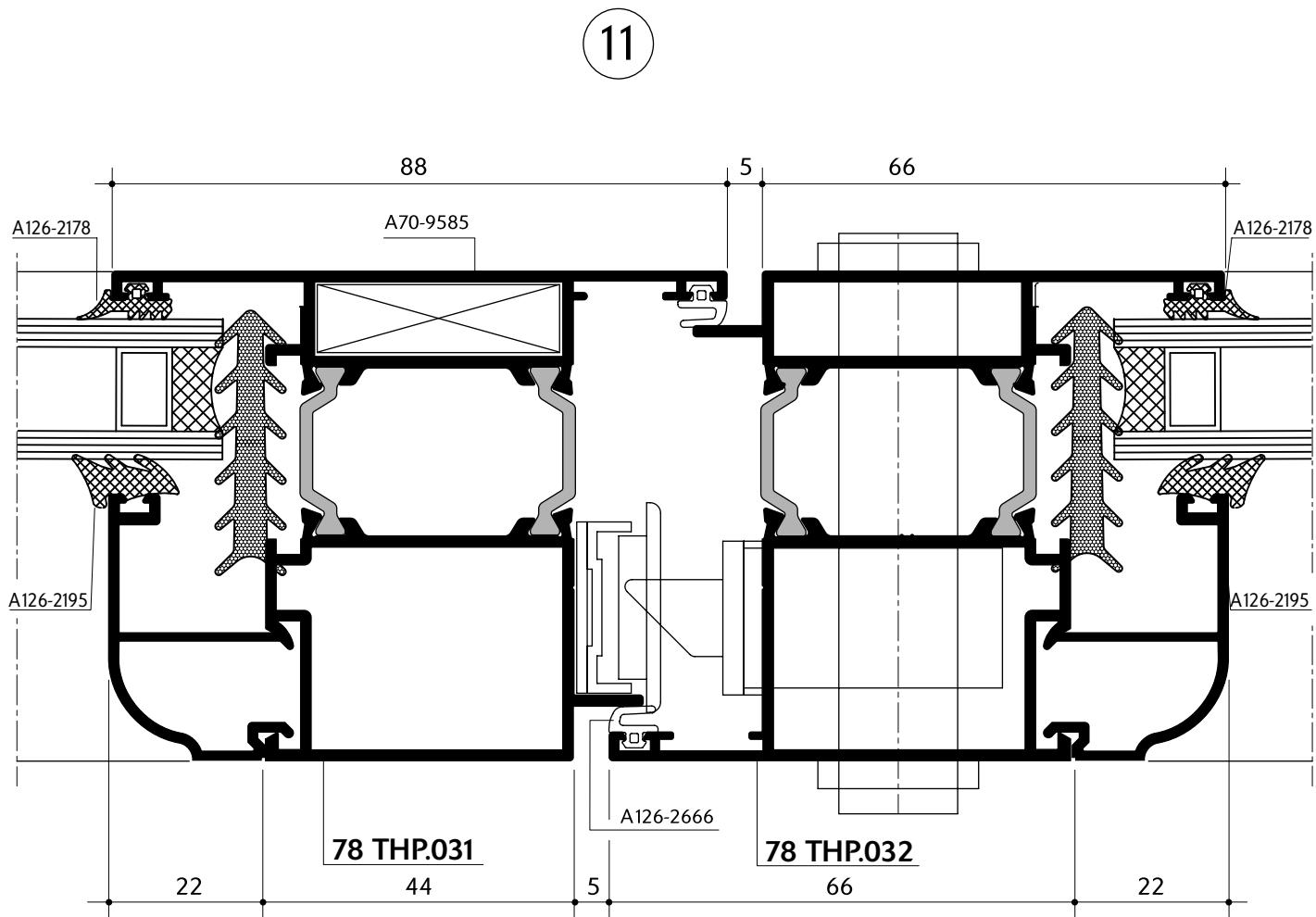
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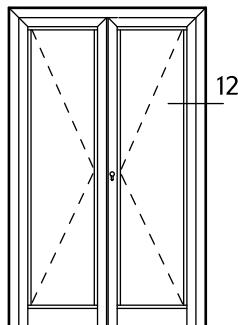
APERTURA INTERNA



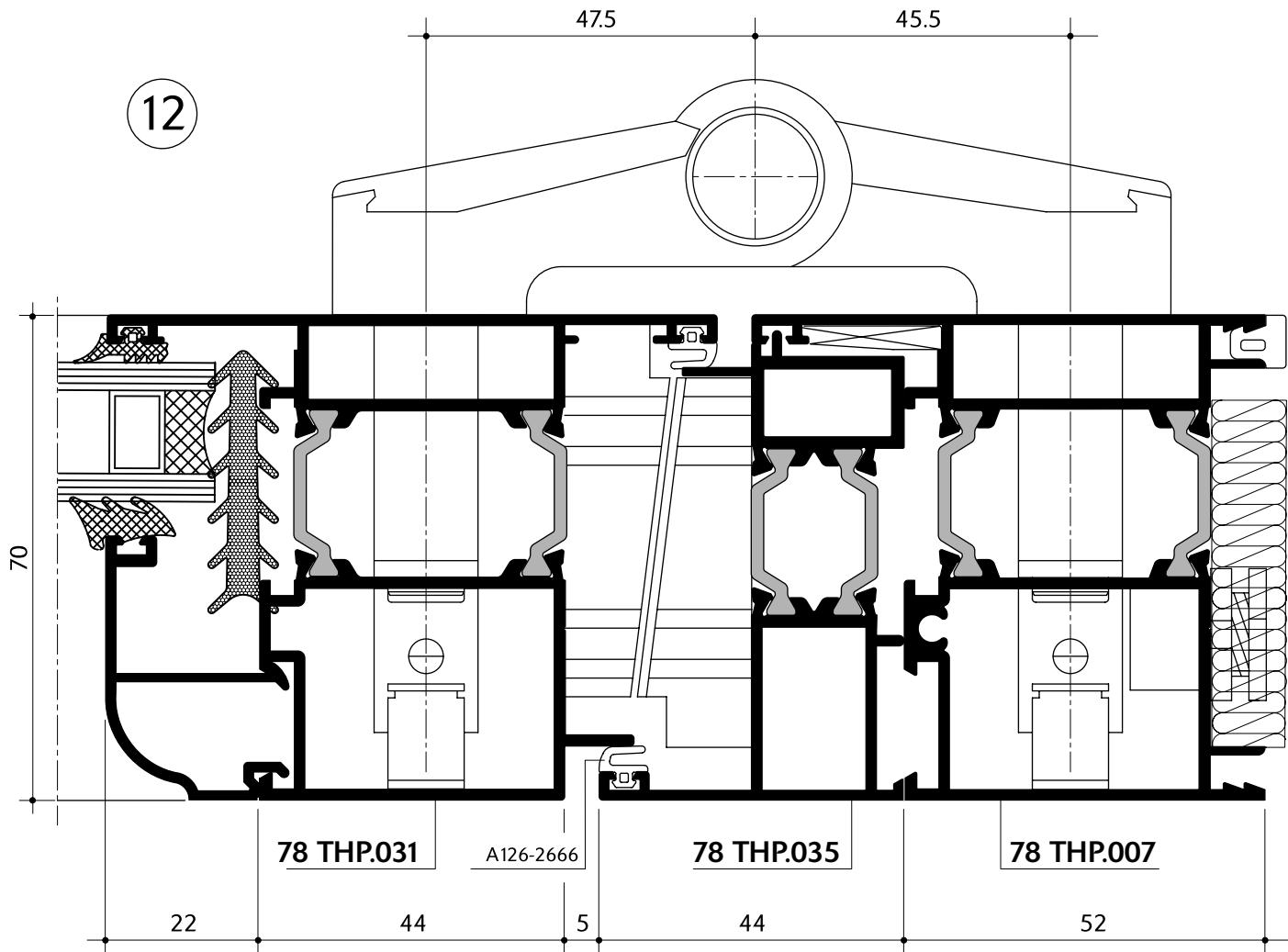


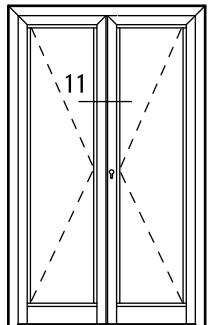
APERTURA INTERNA





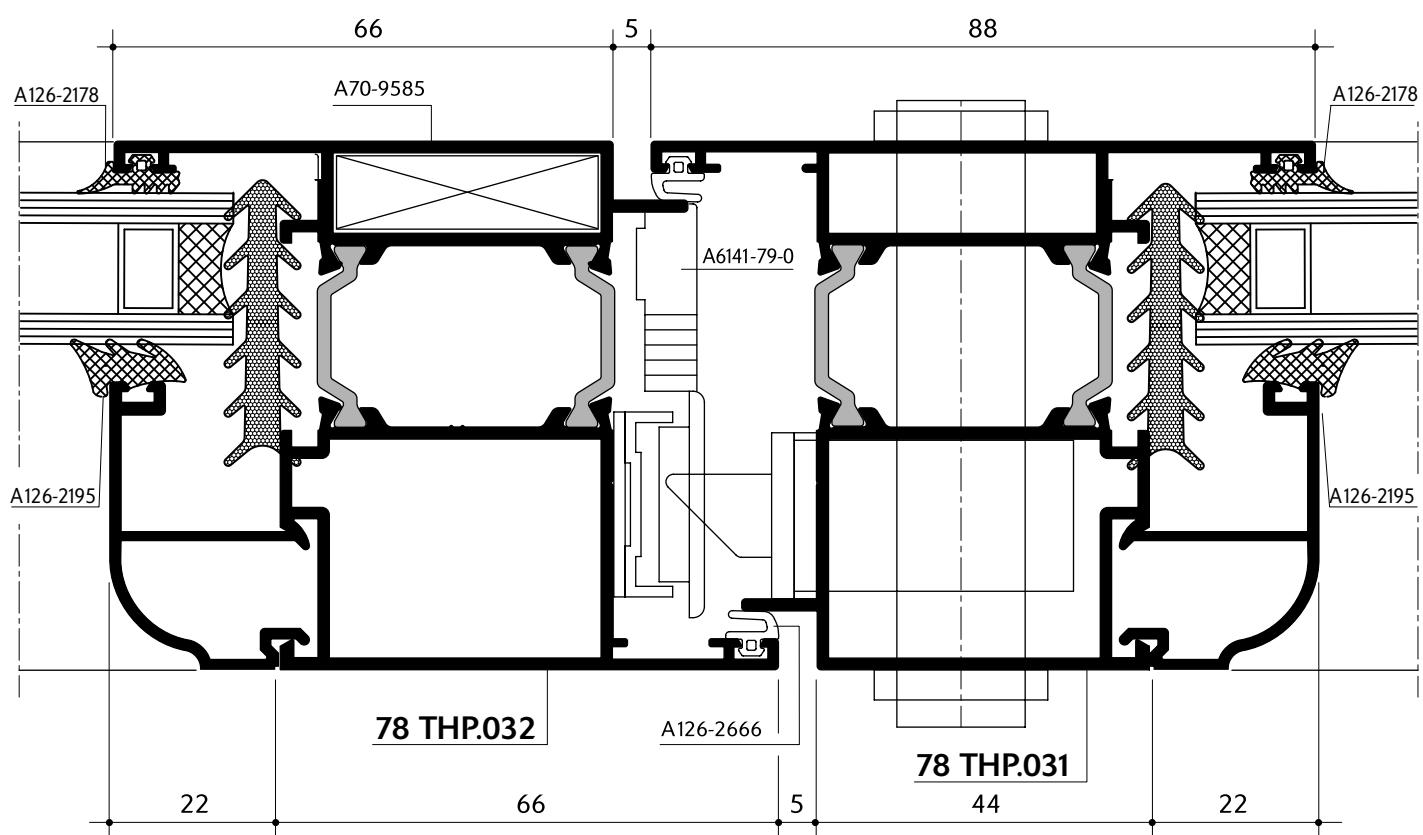
APERTURA ESTERNA



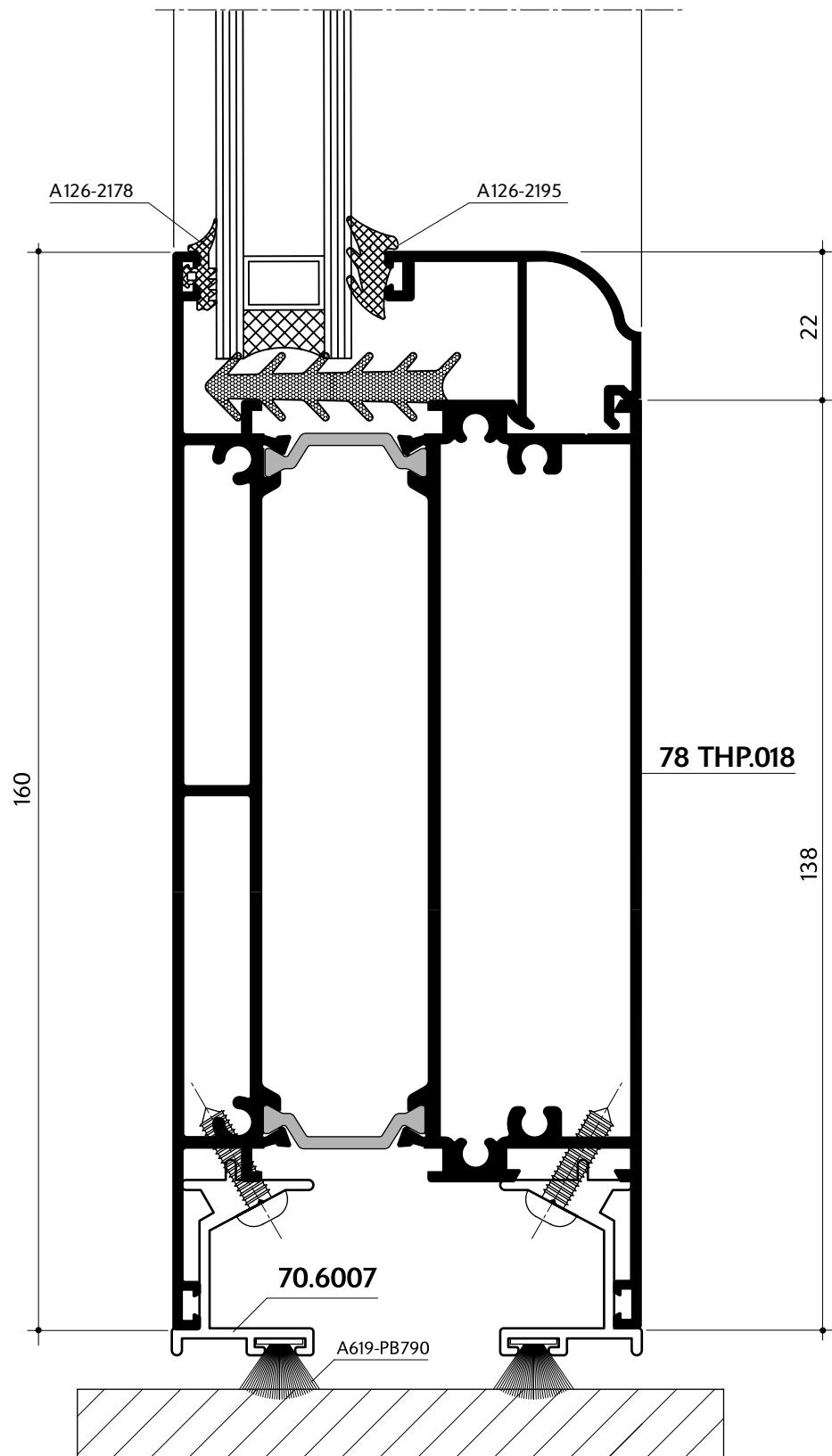


APERTURA ESTERNA

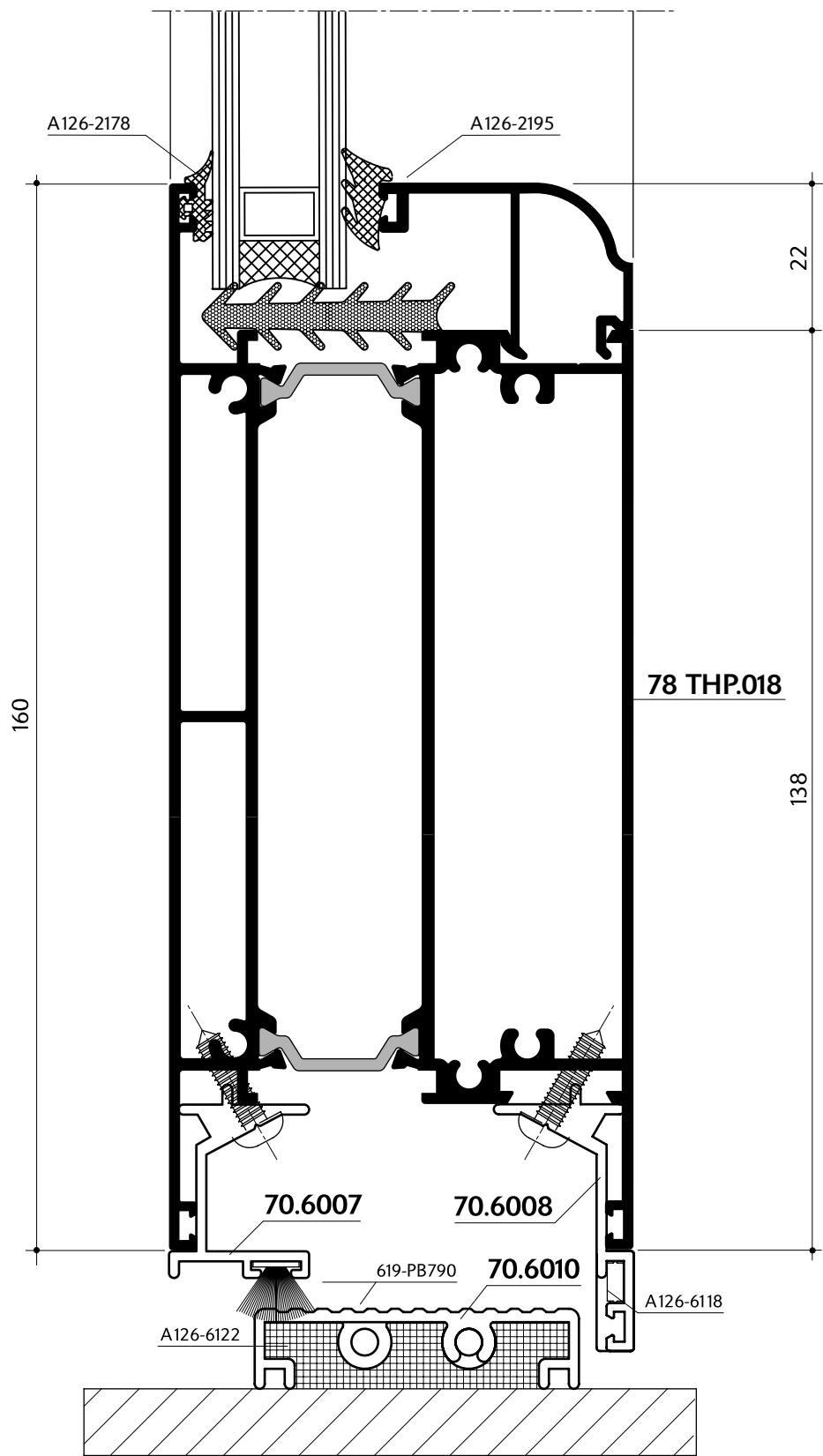
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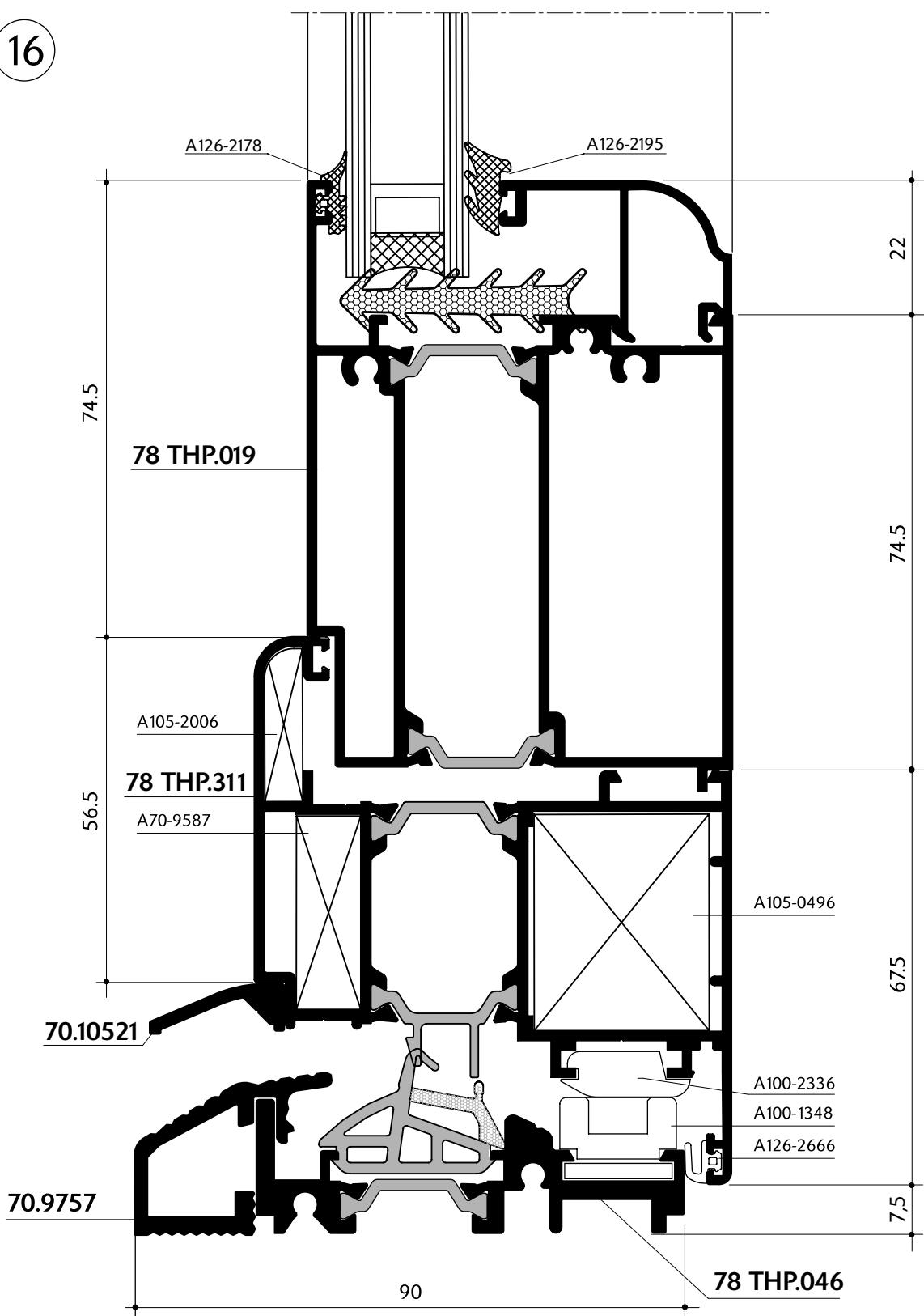
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15

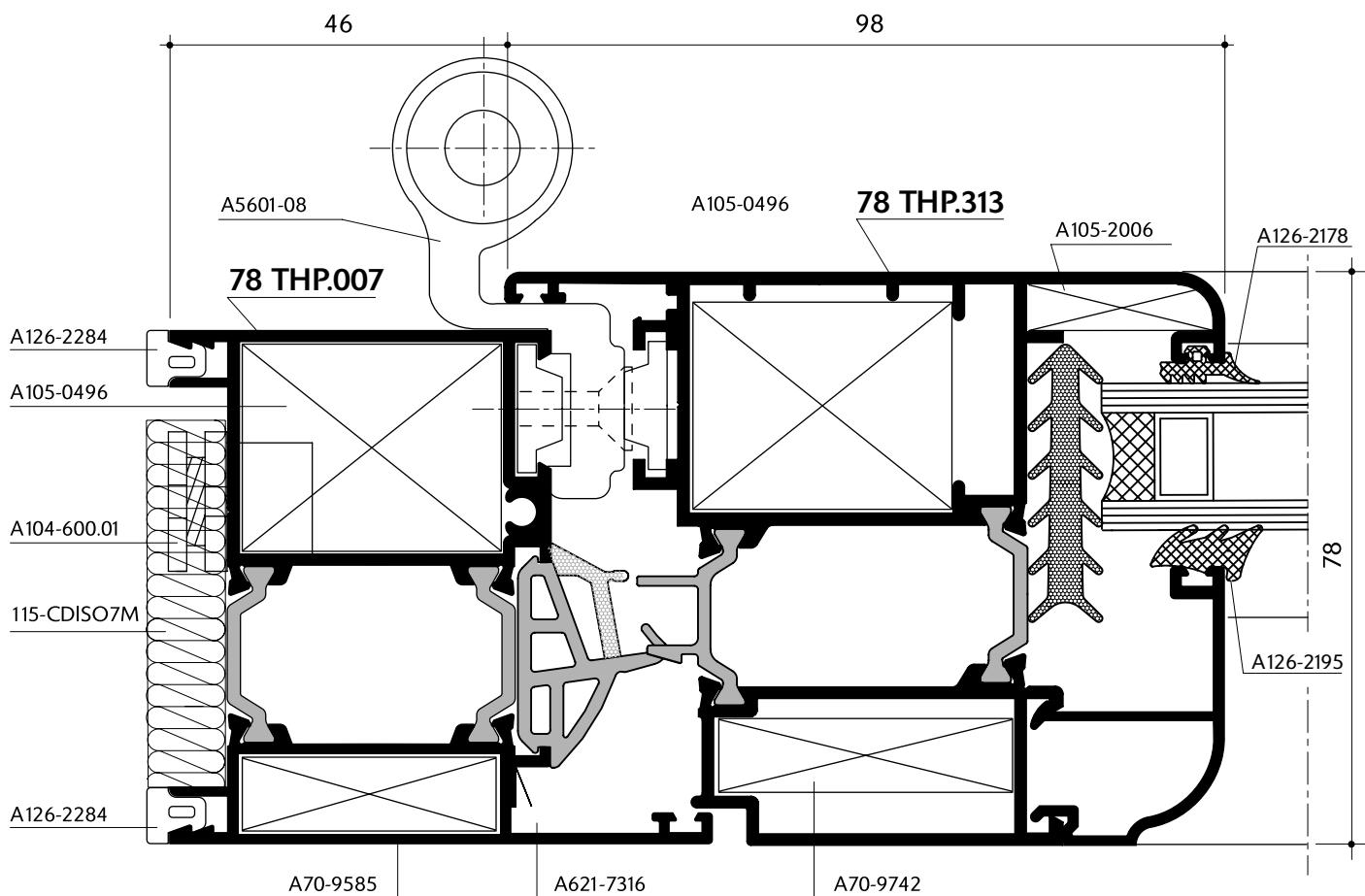


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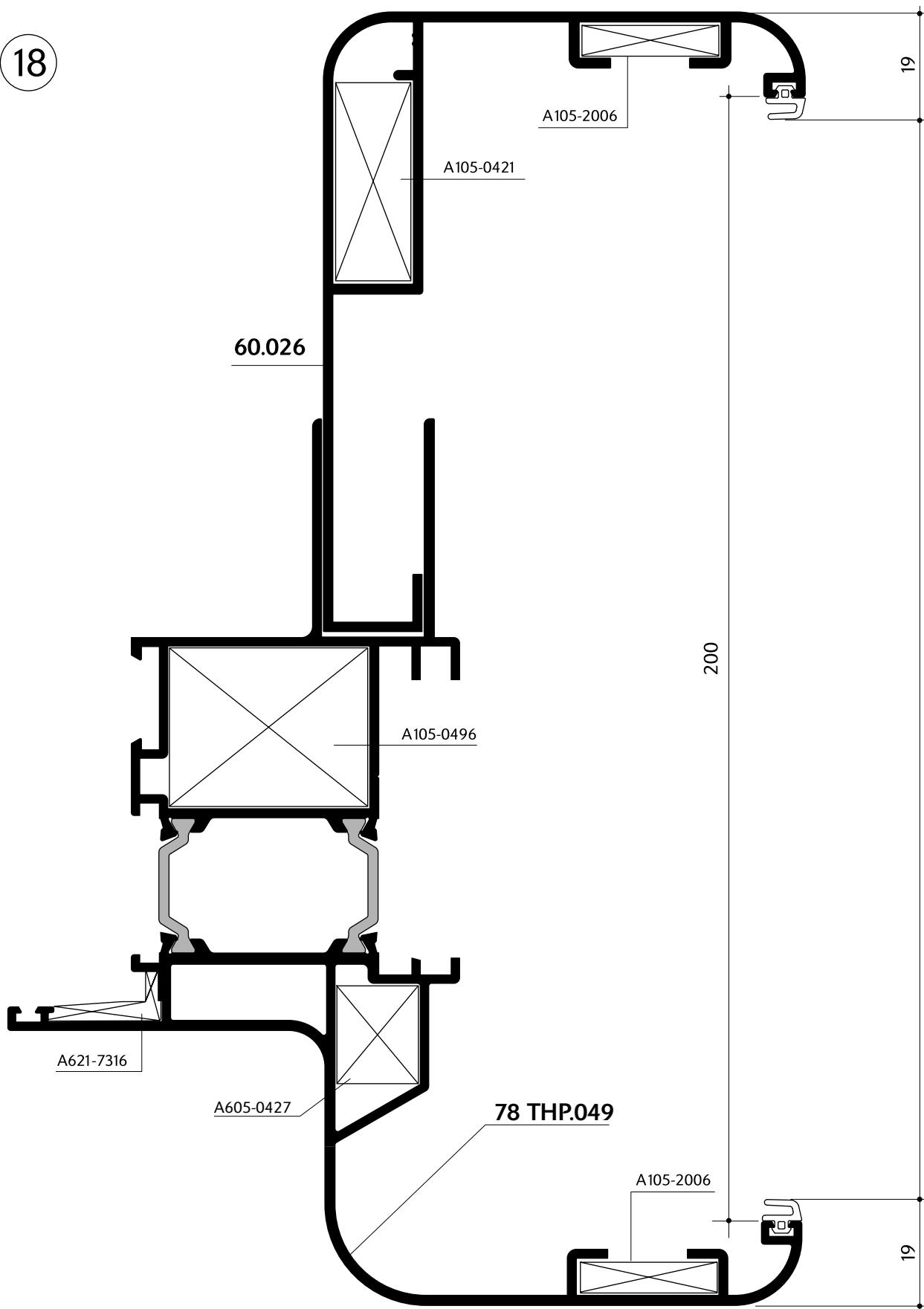


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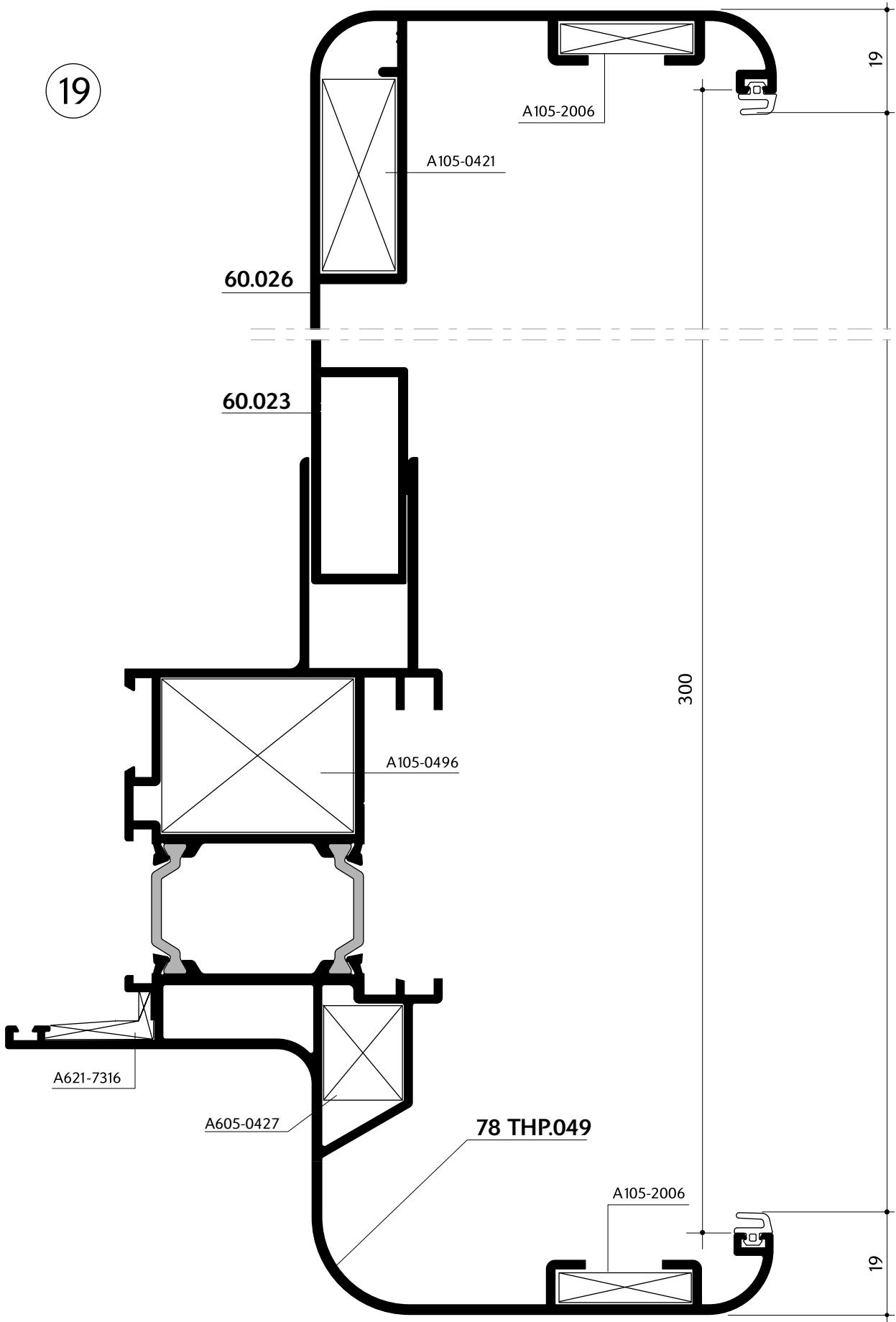
APERTURA ESTERNA



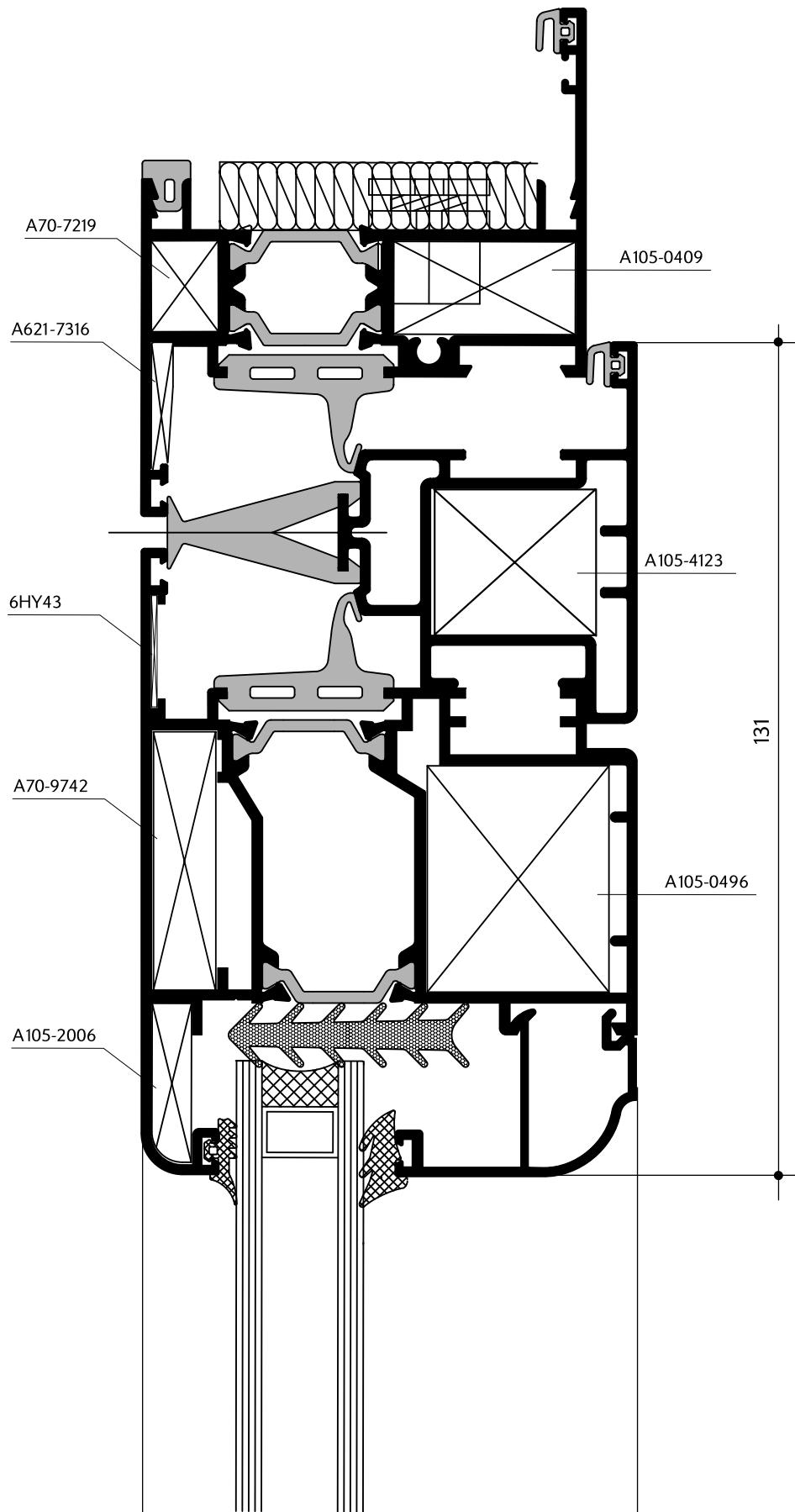
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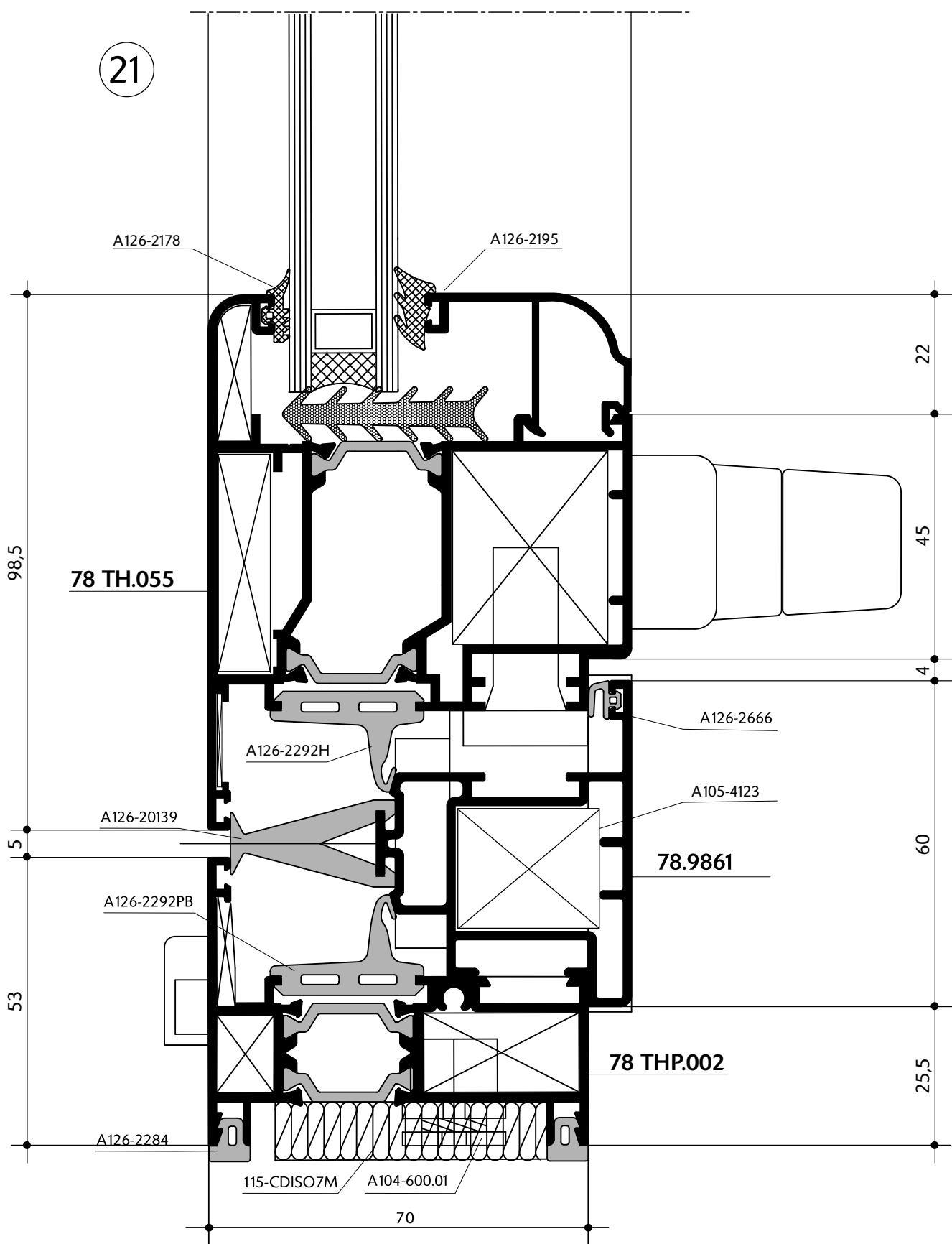
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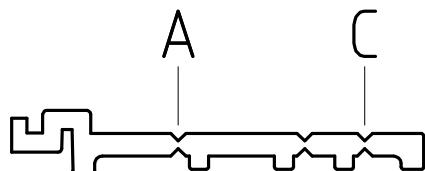
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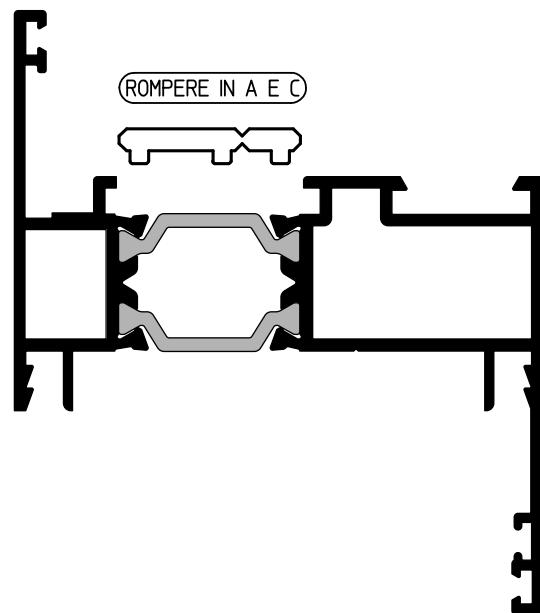
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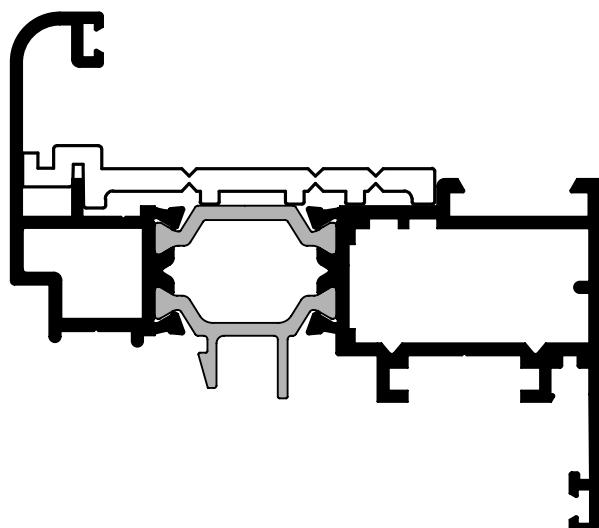
## ISTRUZIONI DI MONTAGGIO ANW-090

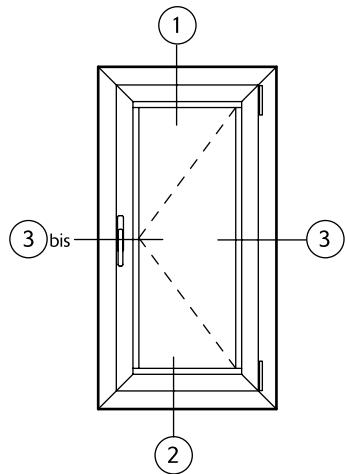


**SOLUZIONE VALIDA PER TUTTI I PROFILI  
TELAIO, FASCE, ZOCCOLI, TRAVERSI E PORTONCINI**



**SOLUZIONE VALIDA PER TUTTI I PROFILI ANTA,  
78THP.310, 78THP.311, 78THP.313 ecc.**





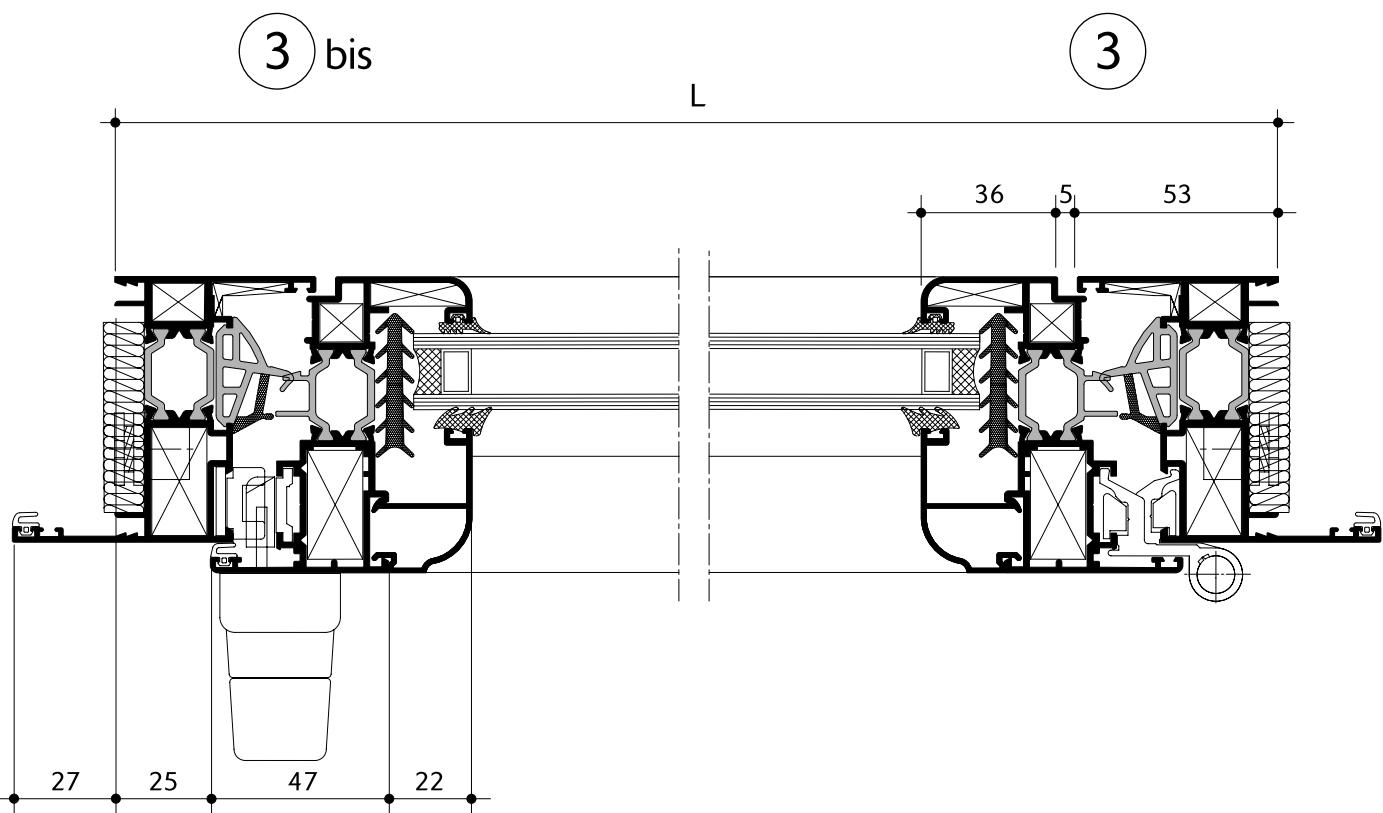
**Note:**

Spessore vetro considerato mm 20  
Gioco perimetrale tra profilo e vetro mm 6 minimo  
Vetri N° 1 pezzo per anta (L-156) (H-156)

### FINESTRA AD 1 ANTA

#### PROFILATI

Sagoma	N. pezzi	Sigla/Descrizione	Schema di taglio
	1	78 THP.001 Traverso telaio	
	2	78 THP.001 Montanti telaio	
	1	78 THP.002 Traversi anta	
	2	78 THP.310 Montanti anta	
	1	60.123 Fermavetri	
	2		
	1	60.040 Asta cremonese per anta battente (per anta ribalta vedi kit)	
	1		



ACCESSORI BASE PER 1 ANTA BATTENTE / ANTA RIBALTA / VASISTAS

ART.	DESCRIZIONE	N. PZ
A104-600.01	Espansore/Rapid Block	7
A105-0409	Squadretta a scatto	8
A621-7316	Squadretta allineamento telaio	4
A70-7219	Squadretta tubolarità esterno telaio	4
A70-9586	Squadretta tubolarità esterno anta	4
A105-2006	Squadretta allineamento anta	4
A621-2136	Squadretta allineamento int. anta	4
A105-0706	Squadretta inox telaio	2
A100-2328	Cappetta drenaggio acqua	2
A126-2666	Guarnizione di battuta	3L+4H
A126-2178	Guarnizione esterna vetro	2L+2H
A126-2195	Guarnizione interna vetro	2L+2H
A126-08175	Guarnizione G.A.	2L+2H
A126-04400	Angoli vulcanizzati	4
A126-20212	Guarnizione sotto vetro	2L+2H

ACCESSORI ANTA BATTENTE

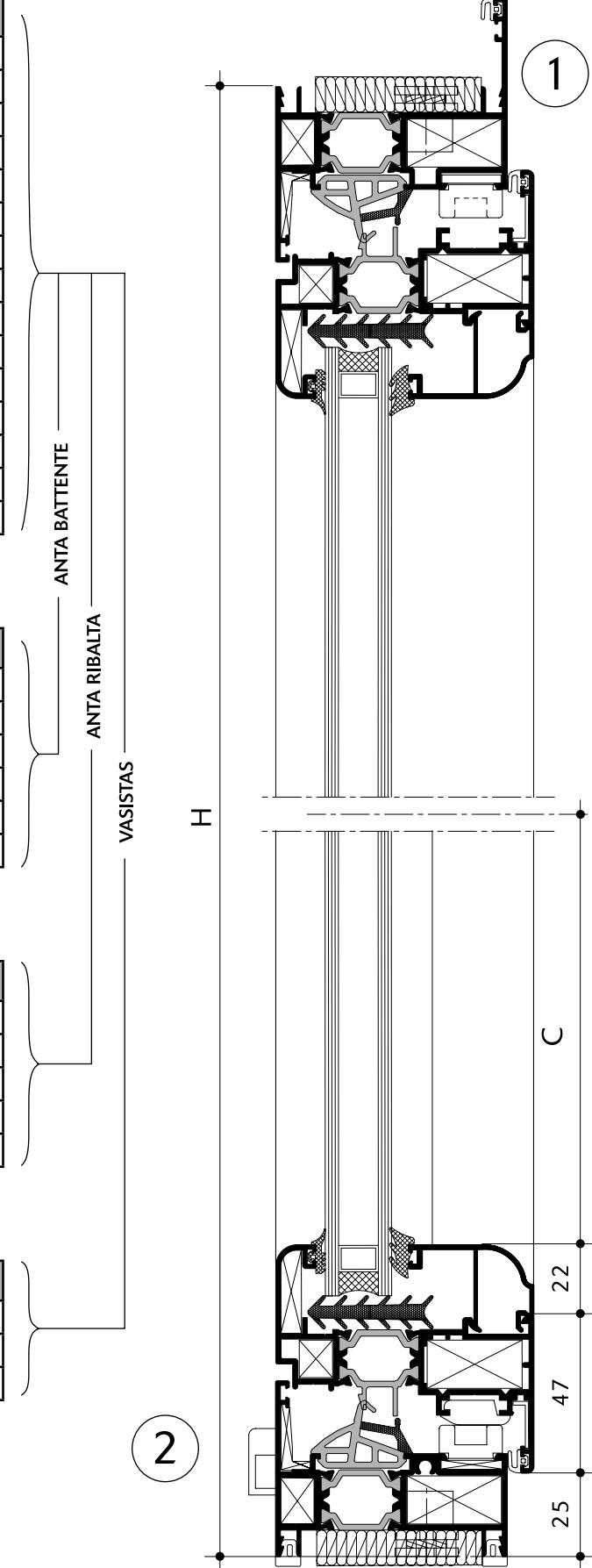
ART.	DESCRIZIONE	N. PZ
A100-0120N-XX	Cerniera "Flash"	2
A100-1000-XX	Cremonese "Euro"	1
A100-2387	Blocchetto di collegamento	1
A100-1348	Incontro	3
A100-2336	Sostegno anta	1
A100-2188	Terminale aste	2

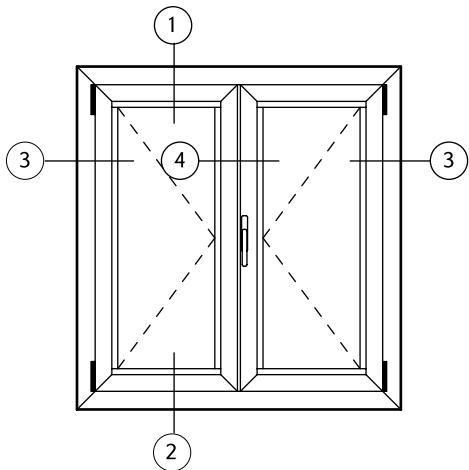
ACCESSORI ANTA RIBALTA

ART.	DESCRIZIONE	N. PZ
A100-4751N	Kit base anta/ribalta	1
A100-1090-XX	Cremonese "Euro" per A/R	1
A100-4761N	Braccio medio	1
A100-4770	Chiusura supplementare verticale	1
A100-4770	Chiusura supplementare orizzontale	1

ACCESSORI PER VASISTAS

ART.	DESCRIZIONE	N. PZ
A100-0120N-XX	Cerniera "Flash"	2
A100-2014	Braccio "Domus"	1
A100-1701	Cricchetto "Grisbi"	1



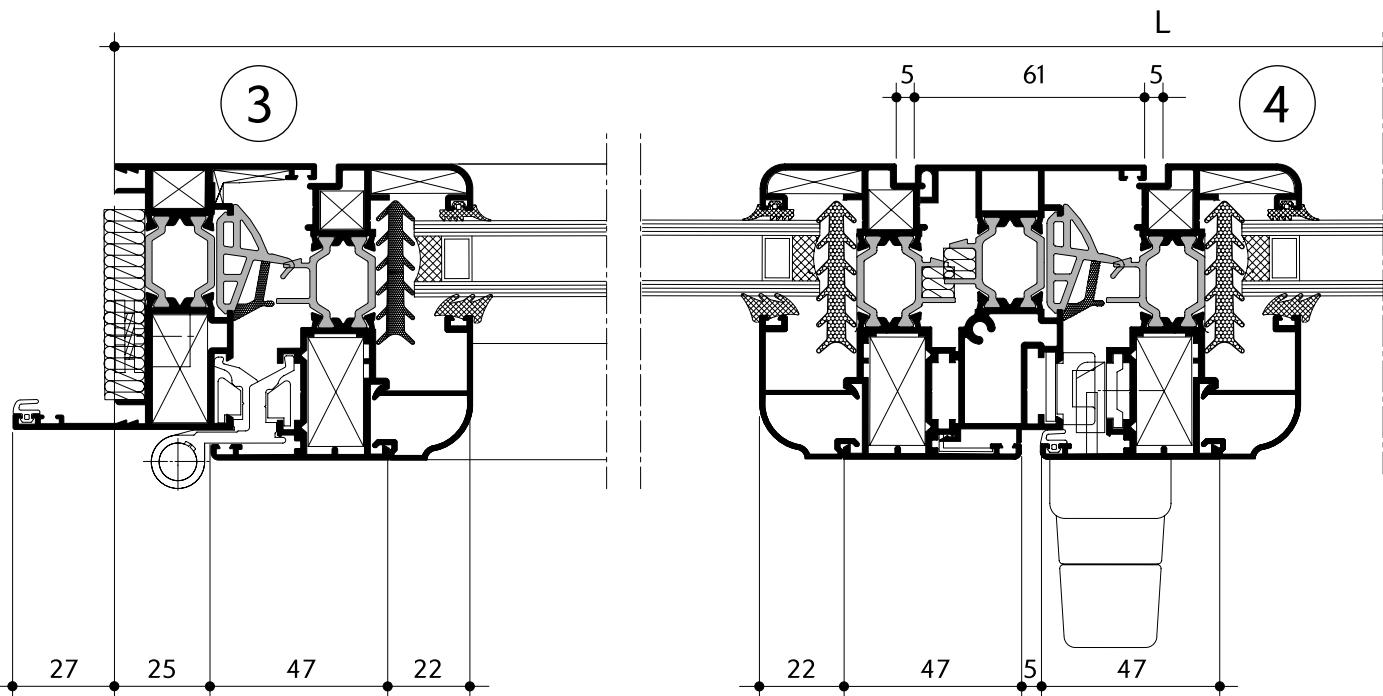


Note:  
Spessore vetro considerato mm 20  
Gioco perimetrale tra profilo e vetro mm 6 minimo  
Vetri N° 2 pezzi  $[(L-267)/2] (H-156)$

FINESTRA A 2 ANTE

### PROFILATI

Sagoma	N. pezzi	Sigla/Descrizione	Schema di taglio
	1	78 THP.001 Traverso telaio	
	2	78 THP.001 Montanti telaio	
	1	78 THP.002 Traversi telaio	
	4	78 THP.310 Traversi anta	
	4	78 THP.310 Montanti anta	
	1	78 THP.314 Riporto centrale	
	4	60.123 Fermavetri	
	4		
	1	60.040 Asta cremonese per anta battente (per anta ribalta vedi kit)	
	1		



ACCESSORI BASE 2 ANTE A BATTENTE / 2 ANTE CON ANTA - RIBALTA

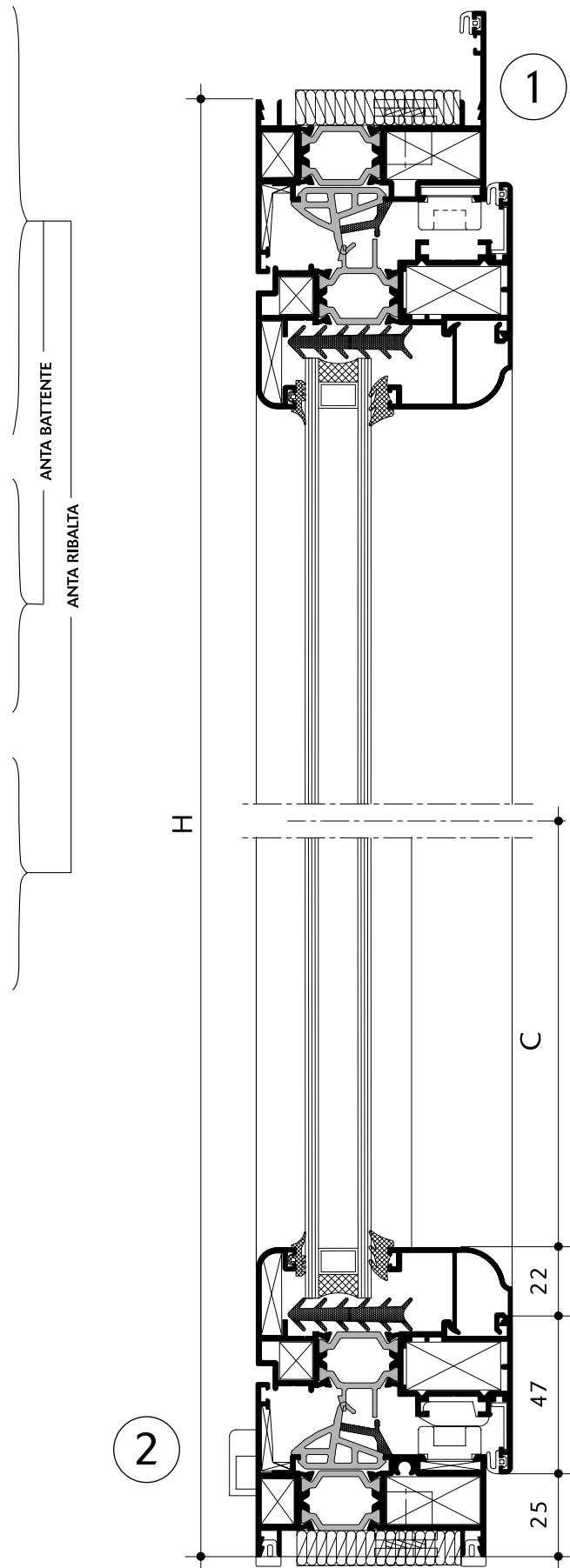
ART.	DESCRIZIONE	N. PZ
A104-600.01	Espansore/Rapid Block	8
A105-0409	Squadretta a scatto	12
A621-7316	Squadretta allineamento telaio	4
A70-7219	Squadretta tubolarità esterno telaio	4
A70-9586	Squadretta tubolarità esterno anta	8
A105-2006	Squadretta allineamento anta	8
A621-2136	Squadretta allineamento int. anta	8
A105-0706	Squadretta inox telaio	2
A126-06401	Tappo riporto centrale	1
A100-2328	Cappetta drenaggio acqua	3
A126-2666	Guarnizione di battuta	3L+5H
A126-2178	Guarnizione esterna vetro	2L+4H
A126-2195	Guarnizione interna vetro	2L+4H
A126-08175	Guarnizione G.A.	2L+3H
A126-04400	Angoli vulcanizzati	4
A126-20212	Guarnizione sotto vetro	2L+4H

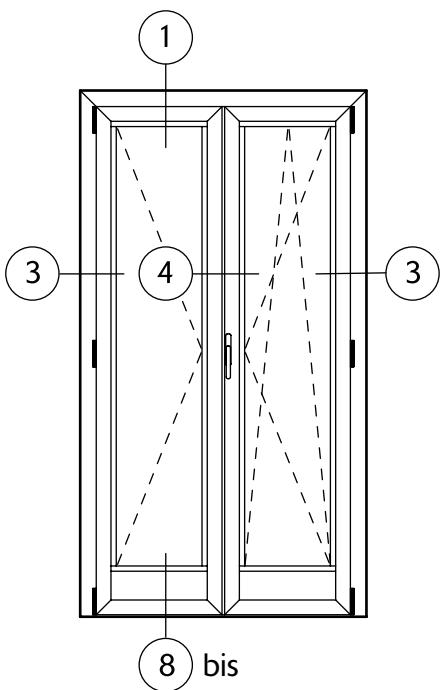
ACCESSORI 2 ANTE A BATTENTE

ART.	DESCRIZIONE	N. PZ
A100-0120N-XX	Cerniera "Flash"	4
A100-1000-XX	Cremonese "Euro"	1
A100-2387	Blocchetto di collegamento	1
A100-1348	Incontro	1
A100-2336	Sostegno anta	2
A100-1349	Incontro doppio	2
A100-2188	Terminale aste	2
A100-2168N	Catenaccio registrabile	2

ACCESSORI FINESTRA 2 ANTE CON ANTA A RIBALTA

ART.	DESCRIZIONE	N. PZ
A100-4751N	Kit base anta/ribalta	1
A100-1090-XX	Cremonese "Euro" per A/R	1
A100-4761N	Braccio medio	1
A100-2168N	Catenaccio chiusura anta abbinata	2
A100-2336	Sostegno anta	1
A100-1349	Incontro doppio	1
A100-1348	Incontro aste e terza chiusura	1
A100-0120N-XX	Cerniera Flash	2



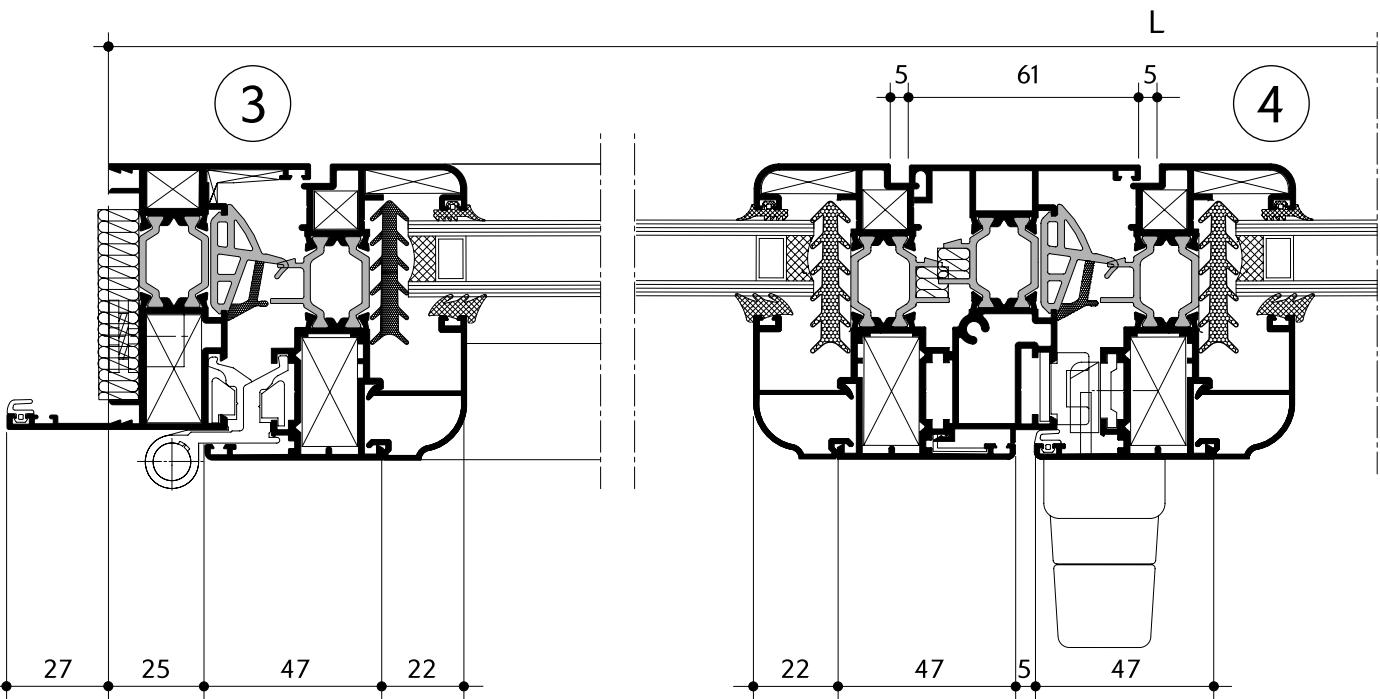


### PORTA BALCONE A 2 ANTE CON ANTA A RIBALTA

#### PROFILATI

Sagoma	N. pezzi	Sigla/Descrizione	Schema di taglio
	1	78 THP.001 Traverso telaio	
	2	78 THP.001 Montanti telaio	
	1	78 THP.002 Traversi telaio	
	4	78 THP.310 Traversi anta	
	4	78 THP.310 Montanti anta	
	2	78 THP.019 Zoccolo riportato	
	1	78 THP.314 Riporto centrale	
	4	60.123 Fermavetri	
	4		
		60.040 Asta cremonese	Vedi istruzioni nel kit

**Note:**  
Spessore vetro considerato mm 23  
Gioco perimetrale tra profilo e vetro mm 6 minimo  
Vetri N° 2 pezzi [(L-267)/2] (H-232.5)

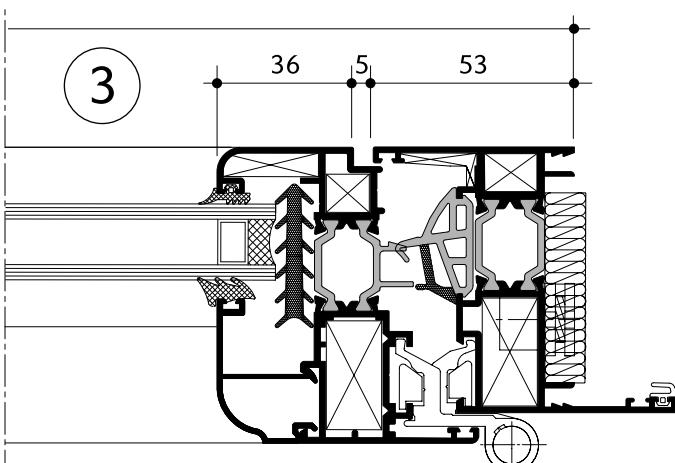


**PORTA BALCONE A 2 ANTE CON ANTA A RIBALTA**

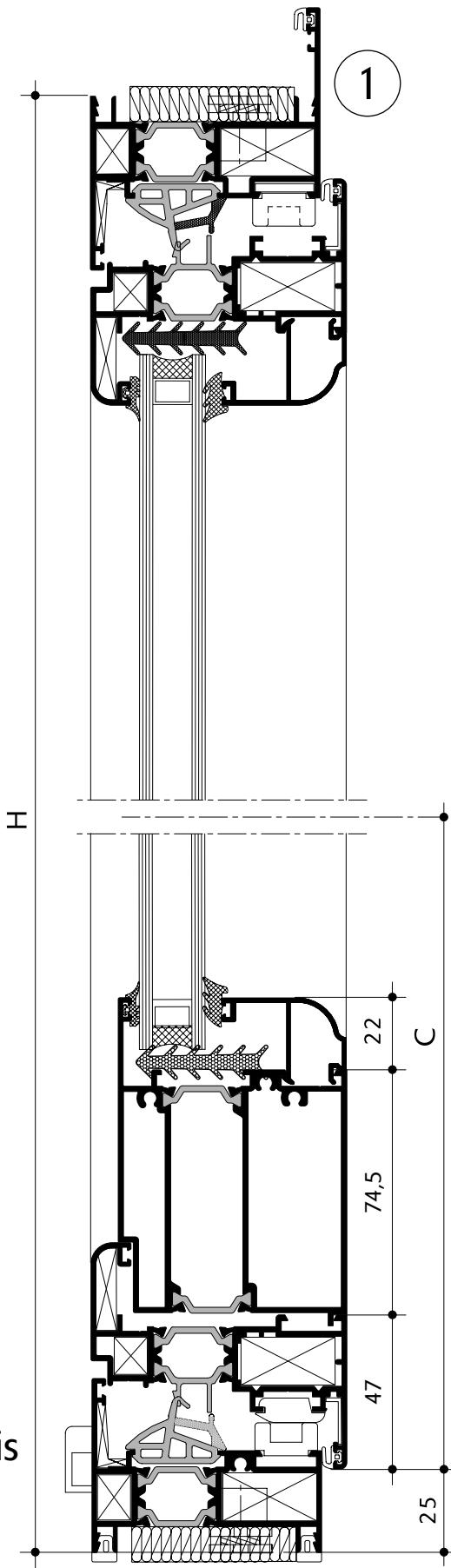
ART.	DESCRIZIONE	N. PZ
A104-600.01	Espansore/Rapid Block	10
A105-0409	Squadretta a scatto	12
A621-7316	Squadretta allineamento telaio	4
A70-7219	Squadretta tubolarità esterno telaio	4
A70-9586	Squadretta tubolarità esterno anta	8
A105-2006	Squadretta allineamento anta	8
A621-2136	Squadretta allineamento int. anta	8
A105-0706	Squadretta inox telaio	2
A126-06401	Tappo riporto centrale	1
A100-0120N-XX	Cerniera Flash	3
A100-4751N	Kit base anta/ribalta	1
A100-1090-XX	Cremonese "Euro" per A/R	1
A100-4761N	Braccio medio	1
A100-4770	Chiusura supplementare verticale	1
A100-2168N	Catenaccio chiusura anta abbinata	2
A100-2336	Sostegno anta	1
A100-1349	Incontro doppio	1
A100-1348	Incontro aste e terza chiusura	1
A100-2328	Cappetta drenaggio acqua	3
A100-4030	Nottolino di chiusura	6
A100-1343	Incontro per nottolino	6

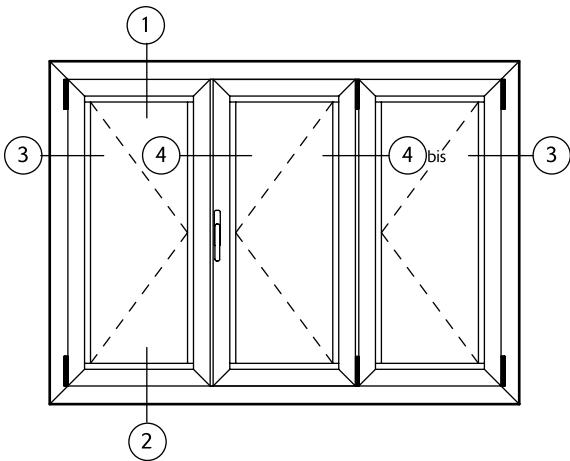
**GUARNIZIONI**

ART.	DESCRIZIONE	N. PZ
A126-2666	Guarnizione di battuta	3L+5H
A126-2178	Guarnizione esterna vetro	2L+4H
A126-2195	Guarnizione interna vetro	2L+4H
A126-08175	Guarnizione G.A.	2L+3H
A126-04400	Angoli vulcanizzati	4
A126-20212	Guarnizione sotto vetro	2L+4H



8 bis





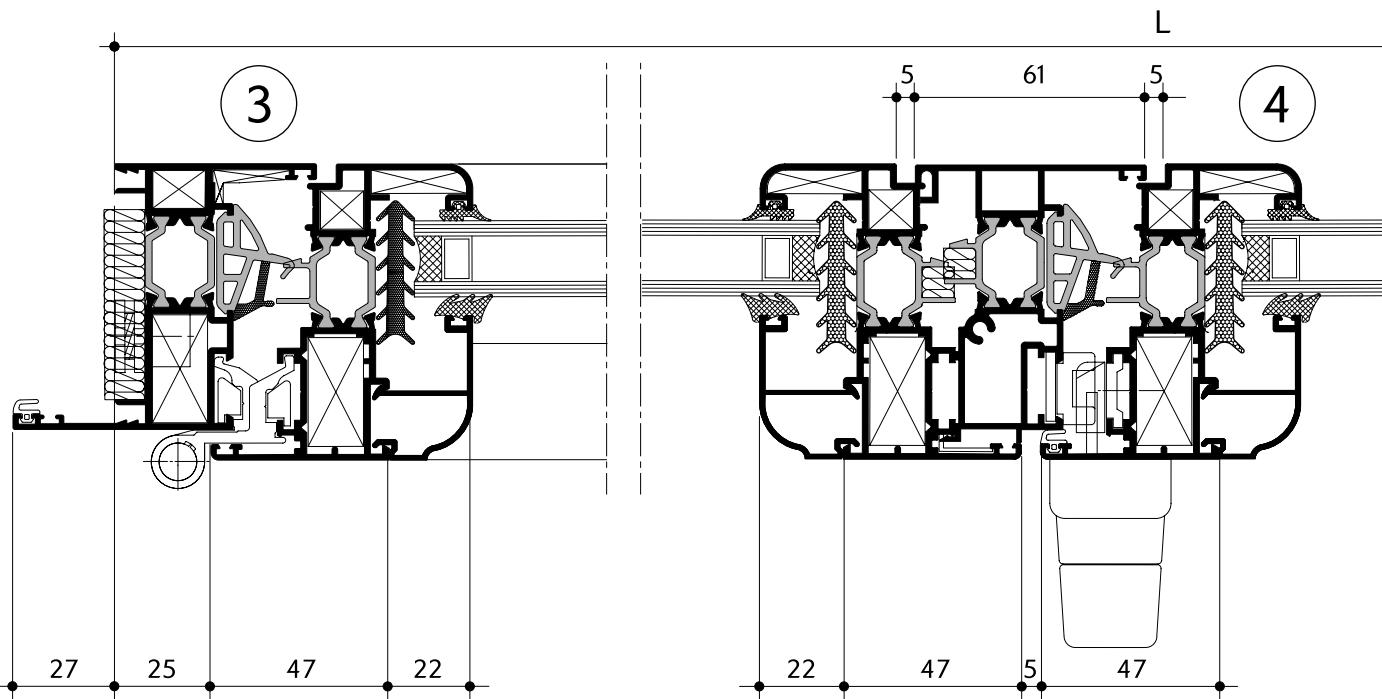
**Note:**

Spessore vetro considerato mm 20  
Gioco perimetrale tra profilo e vetro mm 6 minimo  
Vetri N° 3 pezzi [(L-380)/3] (H-156)

### FINESTRA A 3 ANTE

#### PROFILATI

Sagoma	N. pezzi	Sigla/Descrizione	Schema di taglio
	1	78 THP.001 Traverso telaio	
	2	78 THP.001 Montanti telaio	
	1	78 THP.002 Traversi telaio	
	6	78 THP.310 Traversi anta	
	6	78 THP.310 Montanti anta	
	2	78 THP.314 Riporto centrale	
	6	60.123 Fermavetri	
	6		
	1	60.040 Asta cremonese per anta battente (per anta ribalta vedi kit)	
	1		

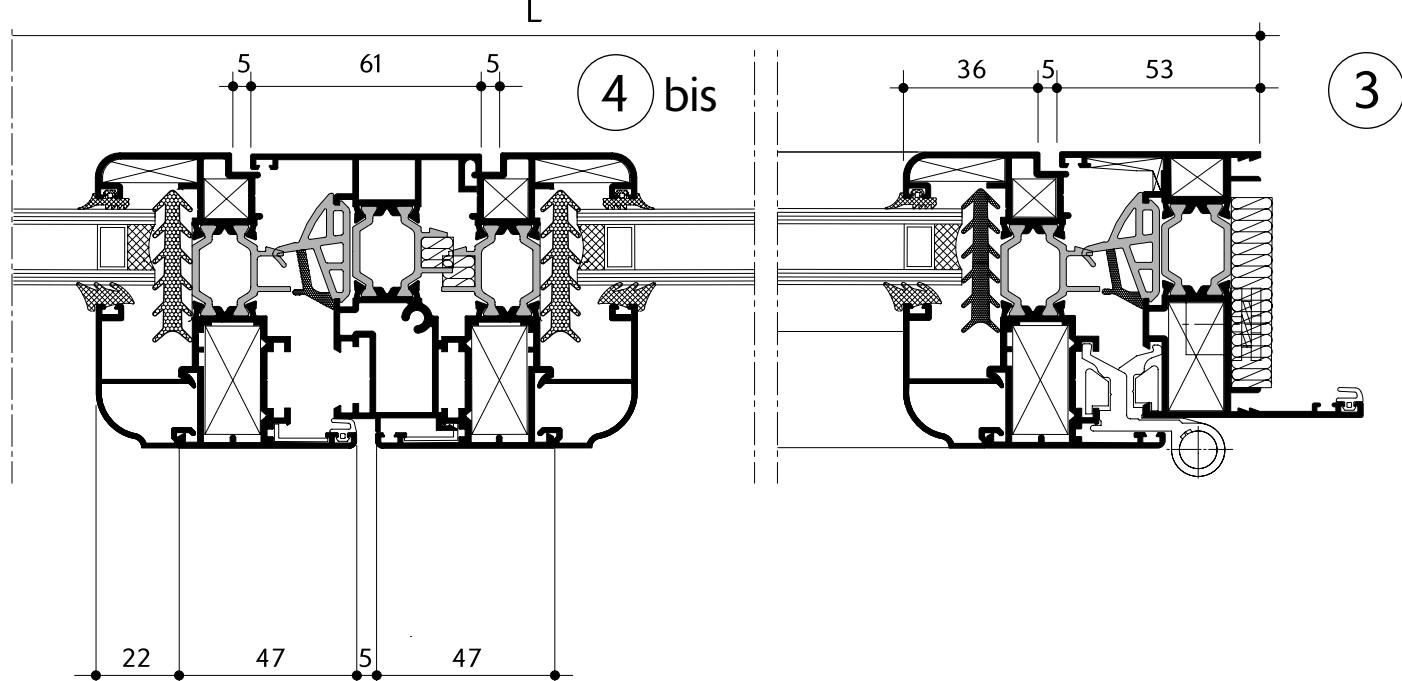
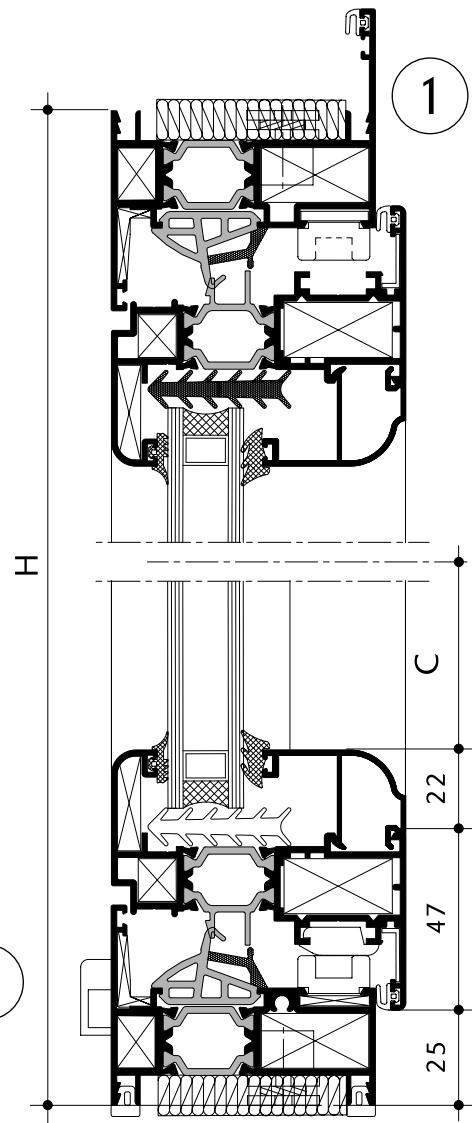


**FINESTRA A 3 ANTE**

ART.	DESCRIZIONE	N. PZ
A104-600.01	Espansore/Rapid Block	10
A105-0409	Squadretta a scatto	16
A621-7316	Squadretta allineamento telaio	4
A70-7219	Squadretta tubolarità esterno telaio	4
A70-9586	Squadretta tubolarità esterno anta	12
A105-2006	Squadretta allineamento anta	12
A621-2136	Squadretta allineamento int. anta	12
A105-0706	Squadretta inox telaio	2
A126-06401	Tappo riporto centrale	2
A100-0120N-XX	Cerniera Flash	4
A100-0143V-XX	Cerniera Flash per terza anta	2
A100-1000-XX	Cremonese "Euro"	1
A100-2387	Blocchetto di collegamento	1
A100-1348	Incontro	1
A100-2336	Sostegno anta	3
A100-1349	Incontro doppio	4
A100-2188	Terminale aste	2
A100-2168N	Catenaccio registrabile	4
A100-2328	Cappetta copriasola drenaggio acqua	4

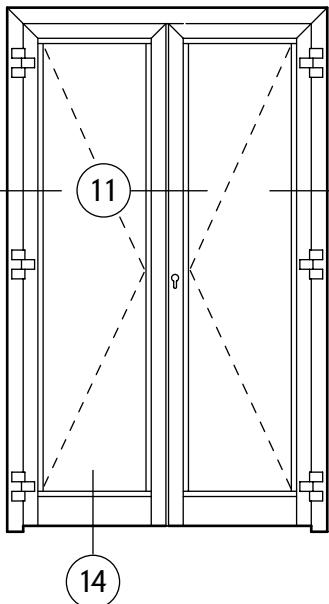
**GUARNIZIONI**

ART.	DESCRIZIONE	N. PZ
A126-2666	Guarnizione di battuta	3L+6H
A126-2178	Guarnizione esterna vetro	2L+6H
A126-2195	Guarnizione interna vetro	2L+6H
A126-08175	Guarnizione G.A.	2L+4H
A126-04400	Angoli vulcanizzati	4
A126-20212	Guarnizione sotto vetro	2L+6H



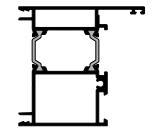
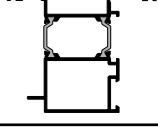
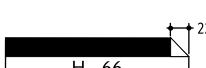
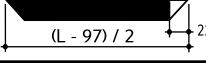
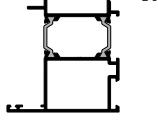
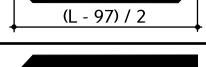
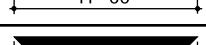
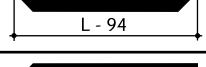
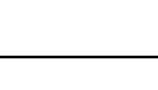
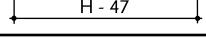
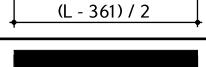
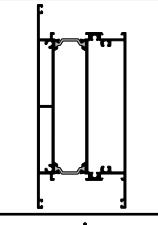
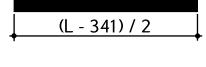
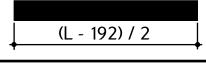
**PORTE A 2 ANTE - APERTURA INTERNA**

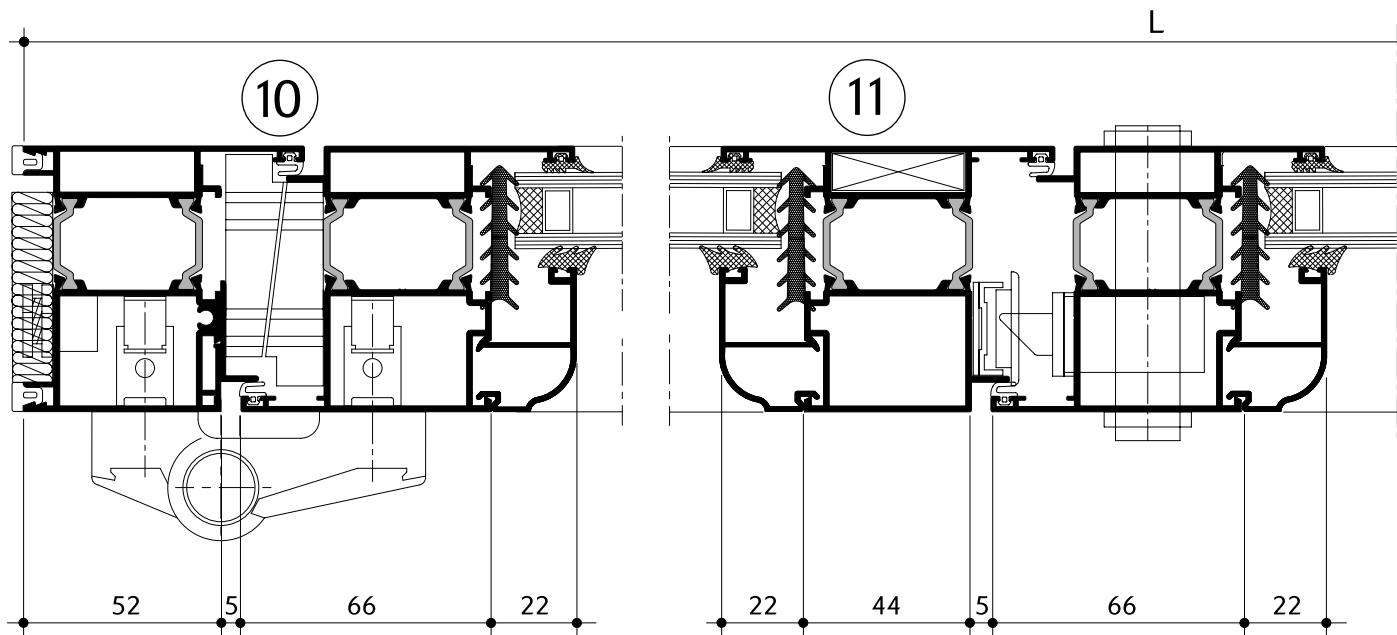
**PROFILATI**



**Note:**

Spessore vetro considerato mm 23  
Gioco perimetrale tra profilo e vetro mm 6 minimo  
Vetri N° 2 pezzi (L-385)/21 (H-282)

Sagoma	N. pezzi	Sigla/Descrizione	Schema di taglio
	1	78 THP.007 Traverso telaio	
	2	78 THP.007 Montanti telaio	
	1	78 THP.031 Montante anta portoncino	
	1	78 THP.032 Traverso anta portoncino	
	1	78 THP.032 Traverso anta portoncino	
	3	78 THP.032 Montante anta portoncino	
	1	70.034 Traverso battuta riportata	
	2	70.034 Montante battuta riportata	
	2	60.123 Fermavetri	
	2	78 THP.018 Zoccolo	
	2	70.6007 Tenuta per spazzolino	

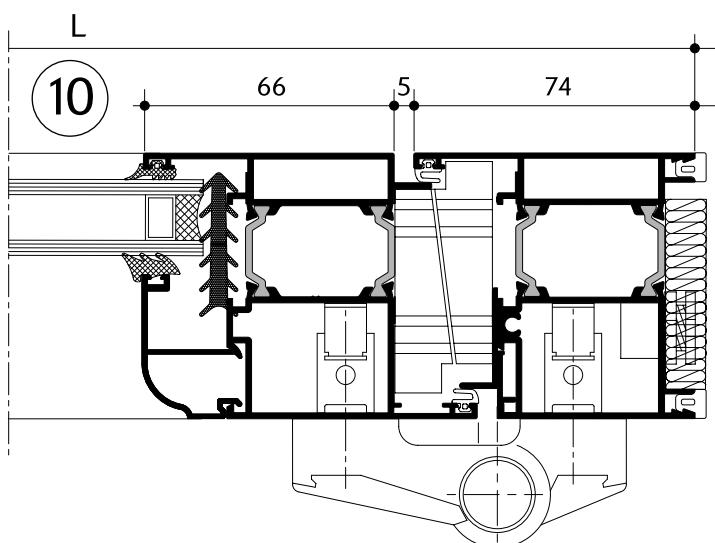
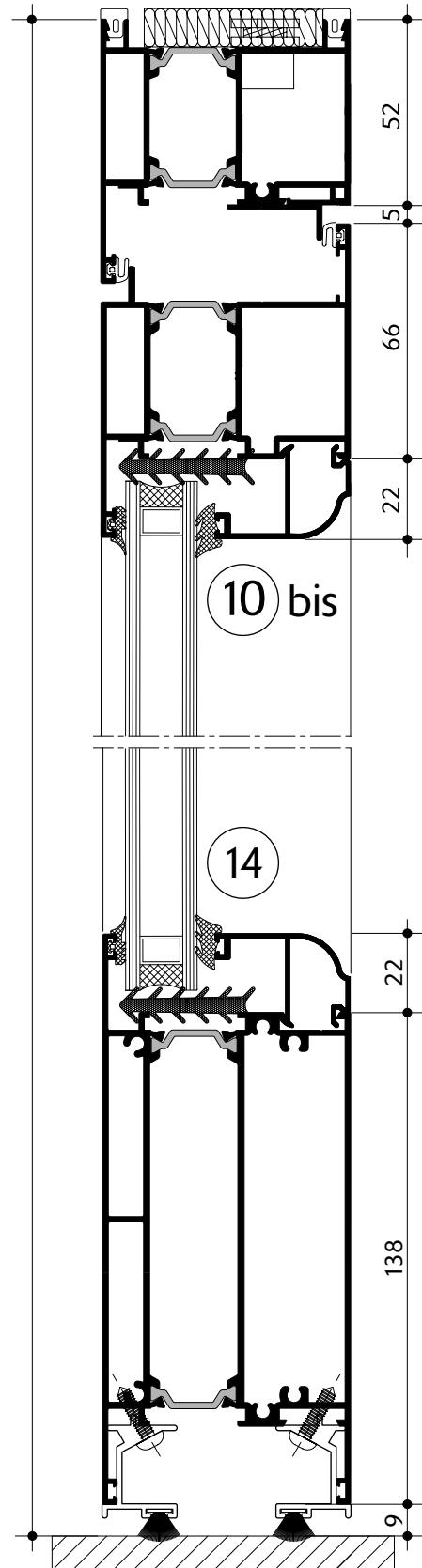


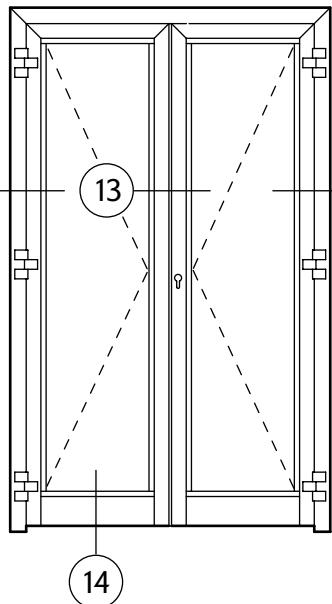
**PORTE A 2 ANTE - APERTURA INTERNA**

ART.	DESCRIZIONE	N. PZ
A104-600.01	Espansione/Rapid Block	8
A105-0496	Squadretta per profili maggiorati	6
A621-7316	Squadretta allineamento telaio	6
A70-9585	Squadretta tubo esterno anta	6
A126-6117	Tappi di battuta su inver. centr. porte	1
A101-6045	Cerniera Loira	6
A100-1325	Incontro superiore catenaccio Totem	1
A100-2170	Catenaccio Totem per porte	2
A100-2159	Boccola per soglia	1
A121-6120	Tappi di tenuta aria	2

**GUARNIZIONI**

ART.	DESCRIZIONE	N. PZ
A126-2666	Guarnizione di battuta	2L+6H
A126-2178	Guarnizione esterna vetro	2L+4H
A126-2195	Guarnizione interna vetro	2L+4H
619-PB790	Sazzolino	2 L
A126-20212	Guarnizione sotto vetro	2L+4H





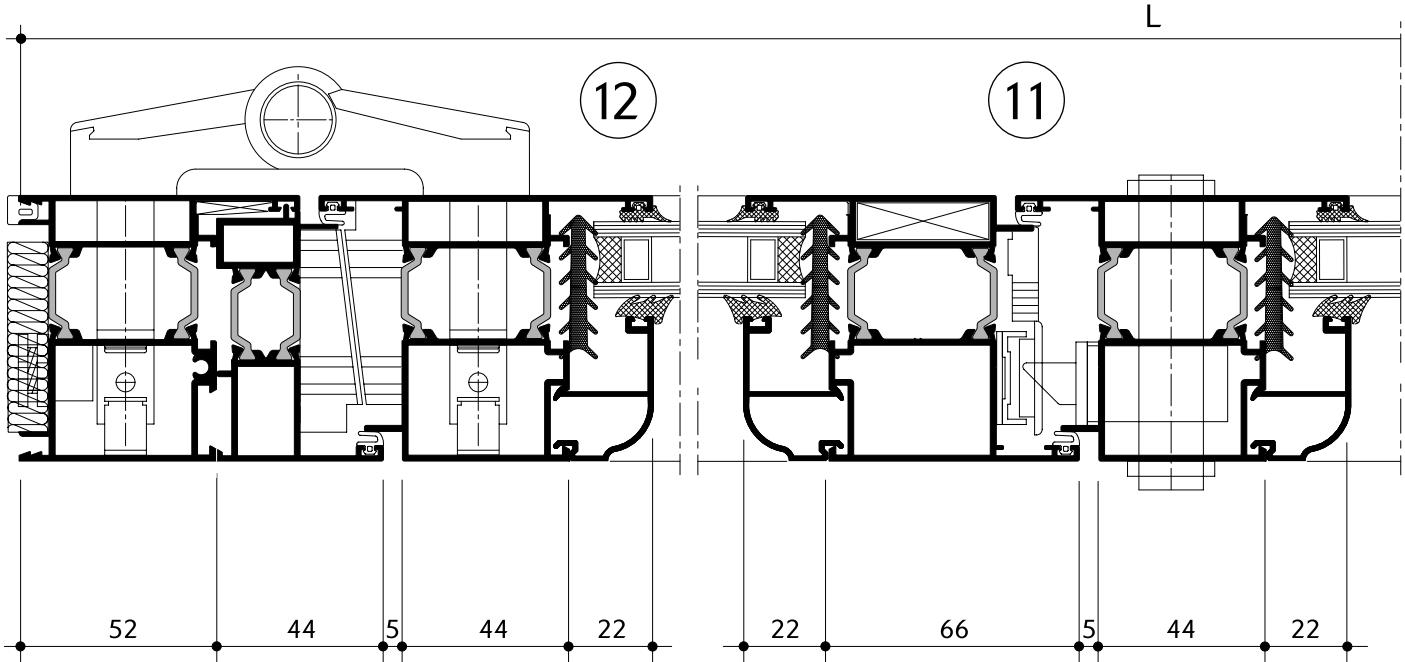
### PORTE A 2 ANTE - APERTURA ESTERNA

#### PROFILATI

Sagoma	N. pezzi	Sigla/Descrizione	Schema di taglio
	1	78 THP.007 Traverso telaio	
	2	78 THP.007 Montanti telaio	
	1	78 THP.032 Montante anta portoncino	
	1	78 THP.031 Traverso anta portoncino	
	1	78 THP.031 Traverso anta portoncino	
	3	78 THP.031 Montante anta portoncino	
	1	78 THP.035 Traverso battuta riportata	
	2	78 THP.035 Montante battuta riportata	
	2	60.123 Fermavetri	
	2	78 THP.018 Zoccolo	
	2	70.6007 Tenuta per spazzolino	

#### Note:

Spessore vetro considerato mm 23  
Gioco perimetrale tra profilo e vetro mm 6 minimo  
Vetri N° 2 pezzi (L-429)/21 (H-304)

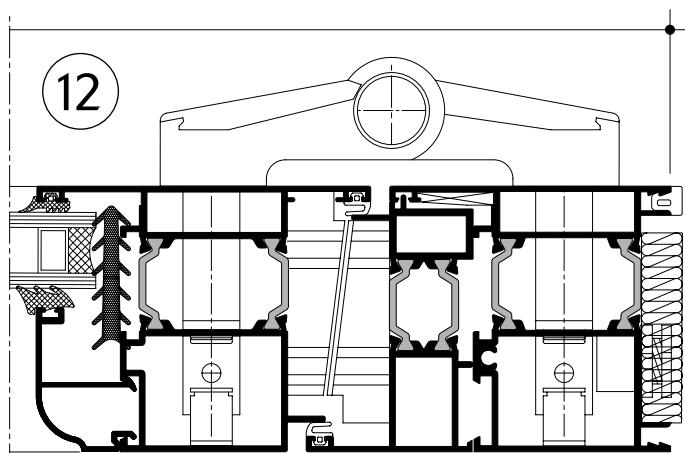
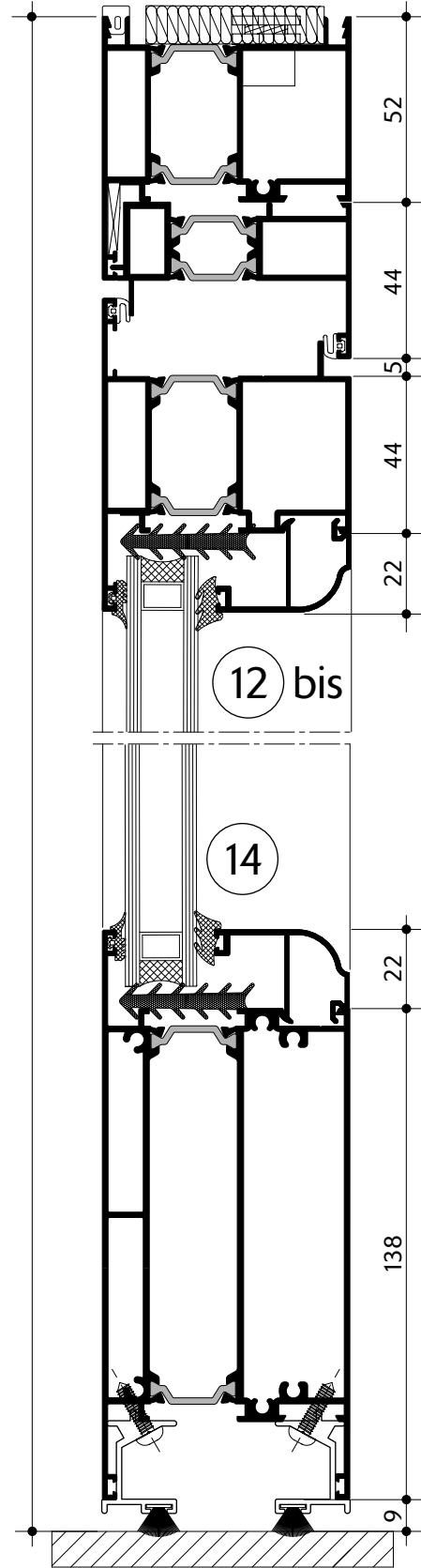


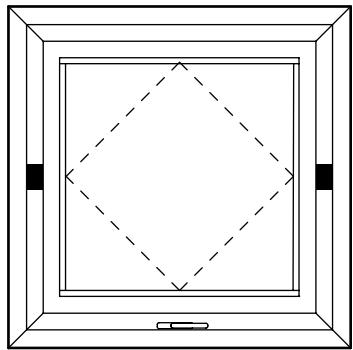
**PORTE A 2 ANTE - APERTURA ESTERNA**

ART.	DESCRIZIONE	N. PZ
A104-600.01	Espansione/Rapid Block	10
A105-0496	Squadretta per profili maggiorati	6
A105-0410	Squadretta per 78 THP.035	2
A621-7316	Squadretta allineamento telaio	6
A70-9585	Squadretta tubo esterno anta	6
A126-6117	Tappi di battuta su inver. centr. porte	1
A101-6197	Cerniera Loira a 3 ali inter. mm 93	6
A101-6643T4	Kit di fissaggio per cerniera A101-6197	6
A100-1325	Incontro superiore catenaccio Totem	1
A100-2170	Catenaccio Totem per porte	2
A100-2159	Boccola per soglia	1
A121-6120	Tappi di tenuta aria	2

**GUARNIZIONI**

ART.	DESCRIZIONE	N. PZ
A126-2666	Guarnizione di battuta	2L+6H
A126-2178	Guarnizione esterna vetro	2L+4H
A126-2195	Guarnizione interna vetro	2L+4H
619-PB790	Sazzolino	2 L
A126-20212	Guarnizione sotto vetro	2L+4H



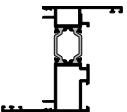
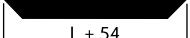
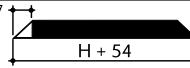
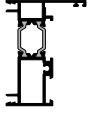
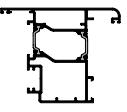
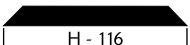
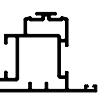
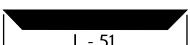
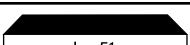
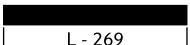
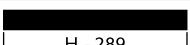


**Note:**

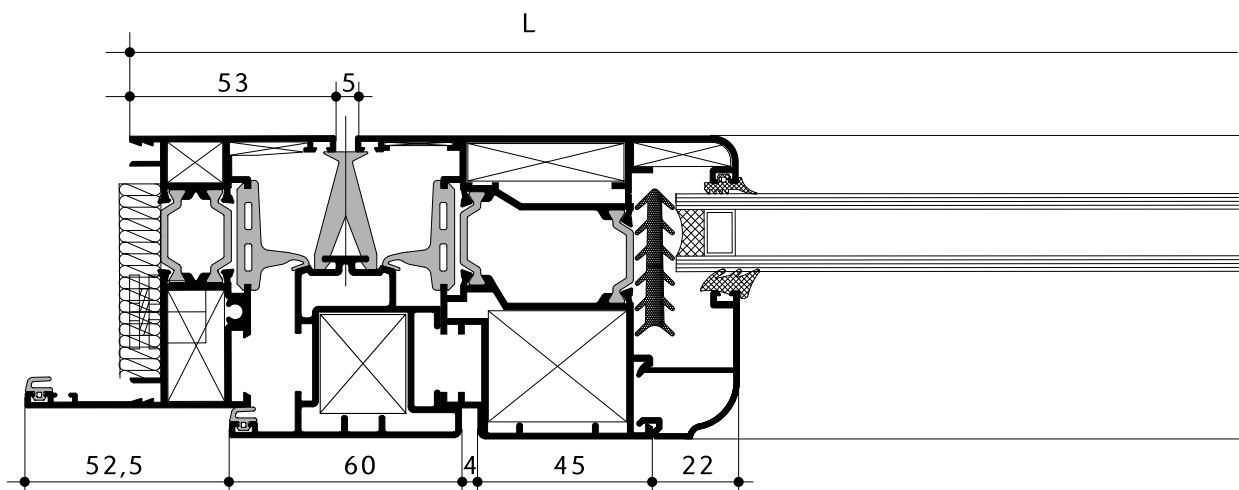
Spessore vetro considerato mm 23  
Gioco perimetrale tra profilo e vetro mm 6 minimo  
Vetri N° 1 pezzo (L-281) (H-281)

### FINESTRA AD 1 ANTA A BILICO

#### PROFILATI

Sagoma	N. pezzi	Sigla/Descrizione	Schema di taglio
	1	78 THP.001 Traverso telaio	
	2	78 THP.001 Montanti telaio	
	1	78 THP.002 Traversi anta bilico	
	2	78 THP.055 Traversi anta bilico	
	2	78 THP.055 Montanti anta bilico	
	1	78.9861 Riporto per bilico	
	1	78.9861 Riporto per bilico	
	2	78.9861 Riporto per bilico	
	2	78.9861 Riporto per bilico	
	2	60.123 Fermavetri	
	2	60.123 Fermavetri	
		60.040 Asta di comando (per misure di taglio vedi schema allegato)	

**N.B.: per schemi montaggio accessori vedi pagine 90-91**

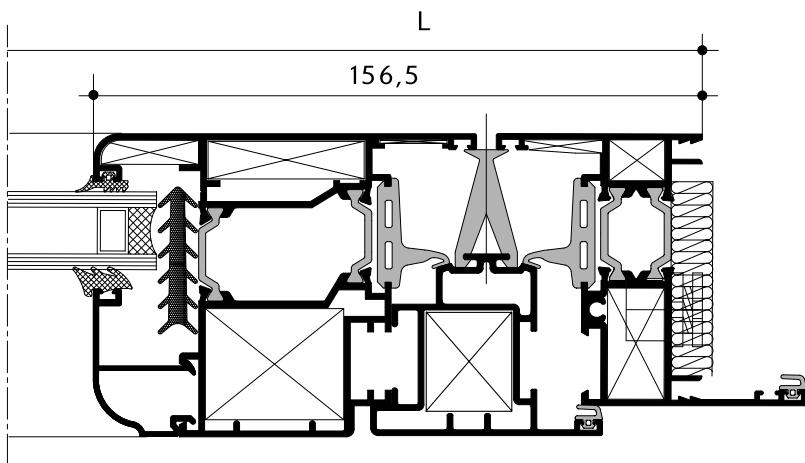
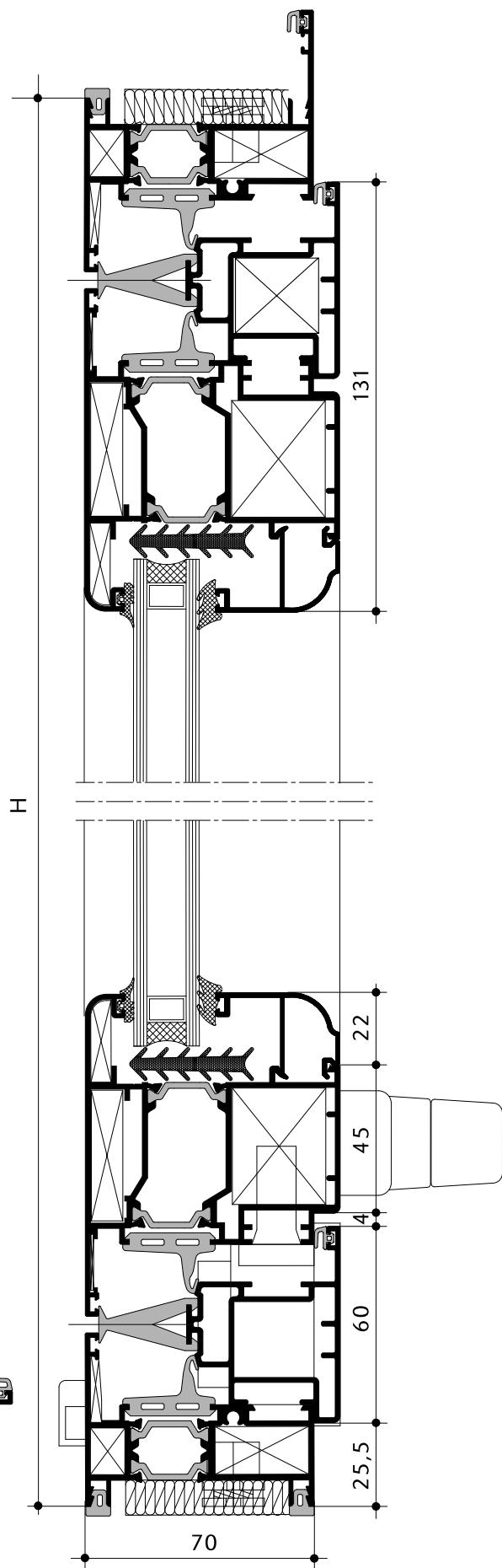


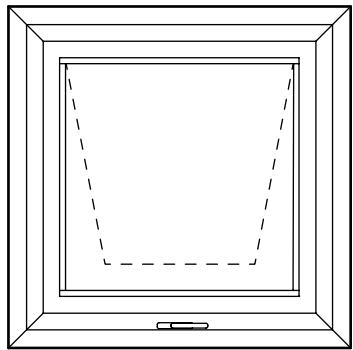
ACCESSORI BASE PER 1 ANTA A BILICO

ART.	DESCRIZIONE	N. PZ
A104-600.01	Espansore/Rapid Block	7
A105-0409	Squadretta a scatto	4
A621-7316	Squadretta allineamento telaio	4
A70-7219	Squadretta tubolarità esterno telaio	4
A105-0496	Squadretta anta	4
A70-9742	Squadretta tubolarità esterna anta	4
A105-2006	Squadretta allineamento anta	4
6HY-43	Squadretta allineam. aletta int. anta bilico	4
A105-4123	Squadretta per 78.9861	4
A100-2328	Cappetta drenaggio accqua	2
A6-27212-XX	Frizione per bilico orizz. con rinforzi	1
A6-29189-30-XX	Maniglia	1
A6-25948-35	Meccanismo per chiusura	1
A9-13133-40	Vite	2
A6-24529-00	Rinvio d'angolo	2
A6-24539-00	Chiusura supplementare	4
AG-11071-00	Riscontro per chiusure supplementari	6
AK-13393-00	Limitatore d'apertura	1
115-CDISO7M	Spugna adesiva per coibentazione	2L+2H

GUARNIZIONI

ART.	DESCRIZIONE	N. PZ
A126-2666	Guarnizione di battuta	2L+2H
A126-2178	Guarnizione esterna vetro	2L+2H
A126-2195	Guarnizione interna vetro	2L+2H
A126-2292H	Guarnizione G.A.	4L+4H
A126-4123	Angoli vulcanizzati	4
A126-20139	Guarnizione per bilico	2L+2H
A126-20212	Guarnizione sotto vetro	2L+2H



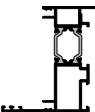
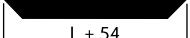
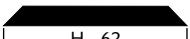
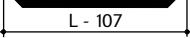
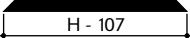
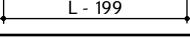
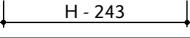
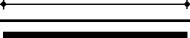
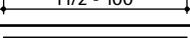
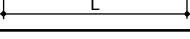


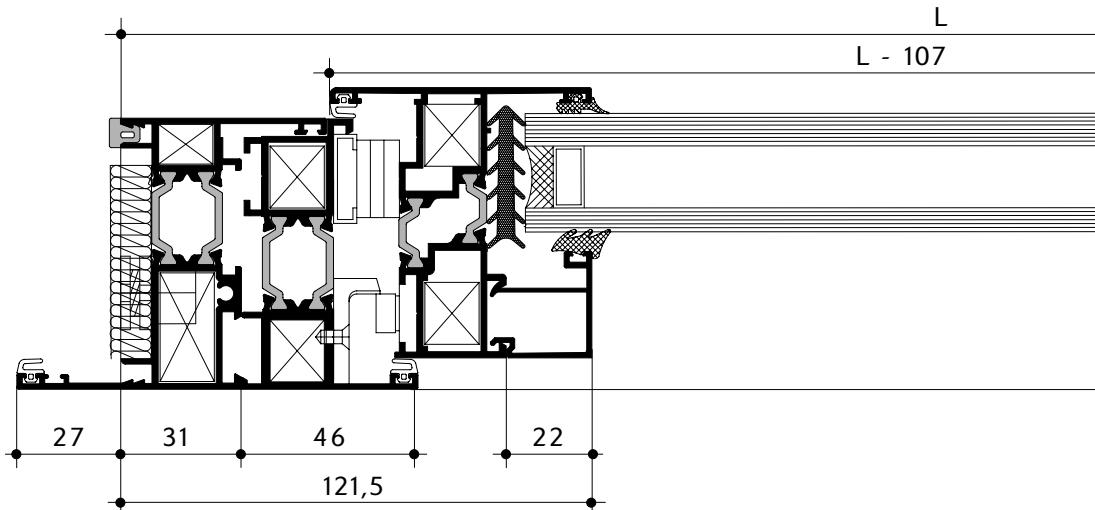
**Note:**

Spessore vetro considerato mm 30  
Gioco perimetrale tra profilo e vetro mm 7 minimo  
Vetri N° 1 pezzo (L-213) (H-213)

### FINESTRA AD 1 ANTA A SPORGERE

#### PROFILATI

Sagoma	N. pezzi	Sigla/Descrizione	Schema di taglio
	1	78 THP.001 Traverso telaio	
	2	78 THP.001 Montanti telaio	
	1	78 THP.002 Traversi telaio	
	2	78 THP.083 Traversi int. battuta	
	2	78 THP.083 Montanti int. battuta	
	2	78 THP.082 Traversi anta sporg.	
	2	78 THP.082 Montanti anta sporg.	
	2	60.107 Fermavetri	
	2	60.107 Fermavetri	
	2	60.040 Asta di comando	
	2	60.040 Asta di comando	
	1	Gocciolatoio	

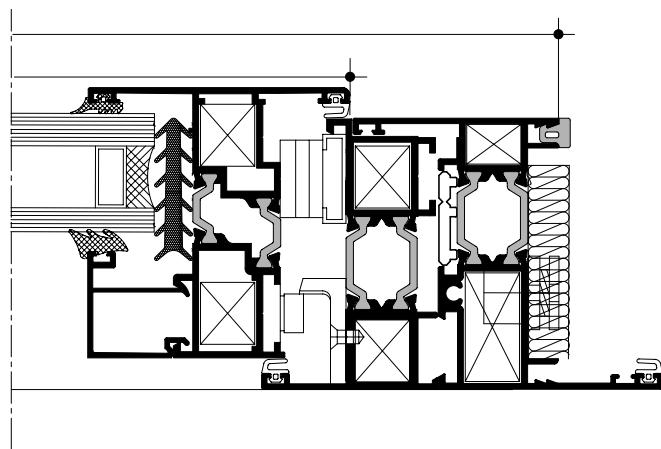
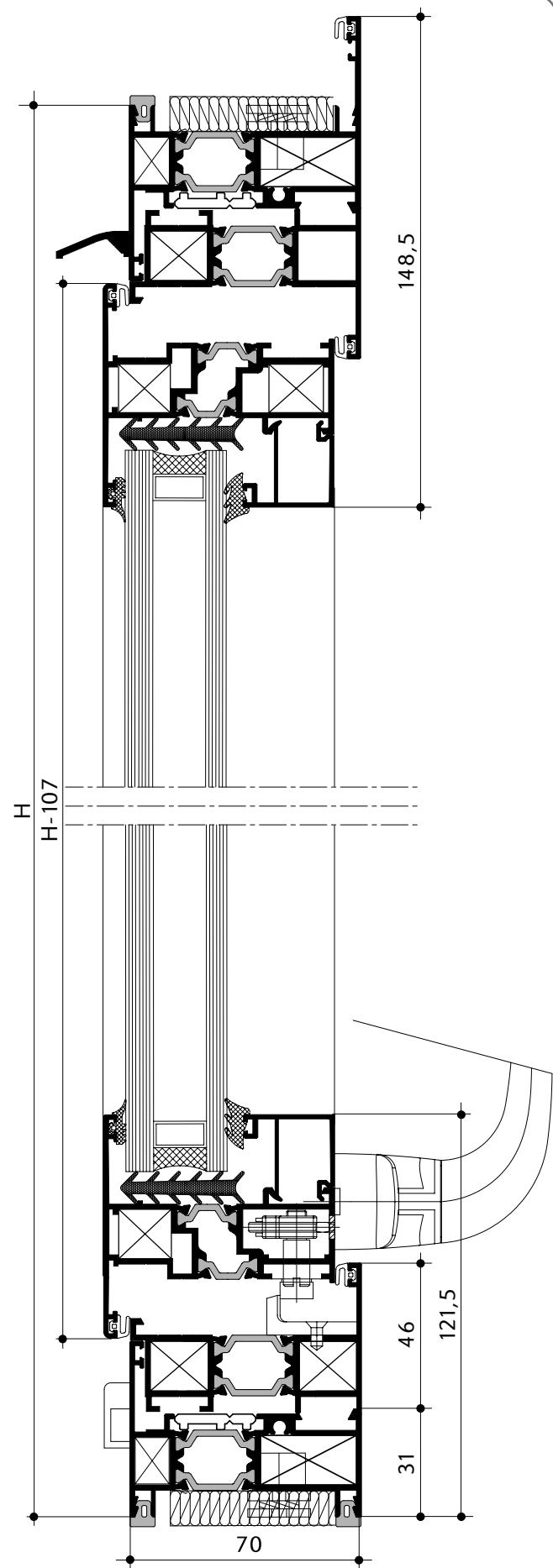


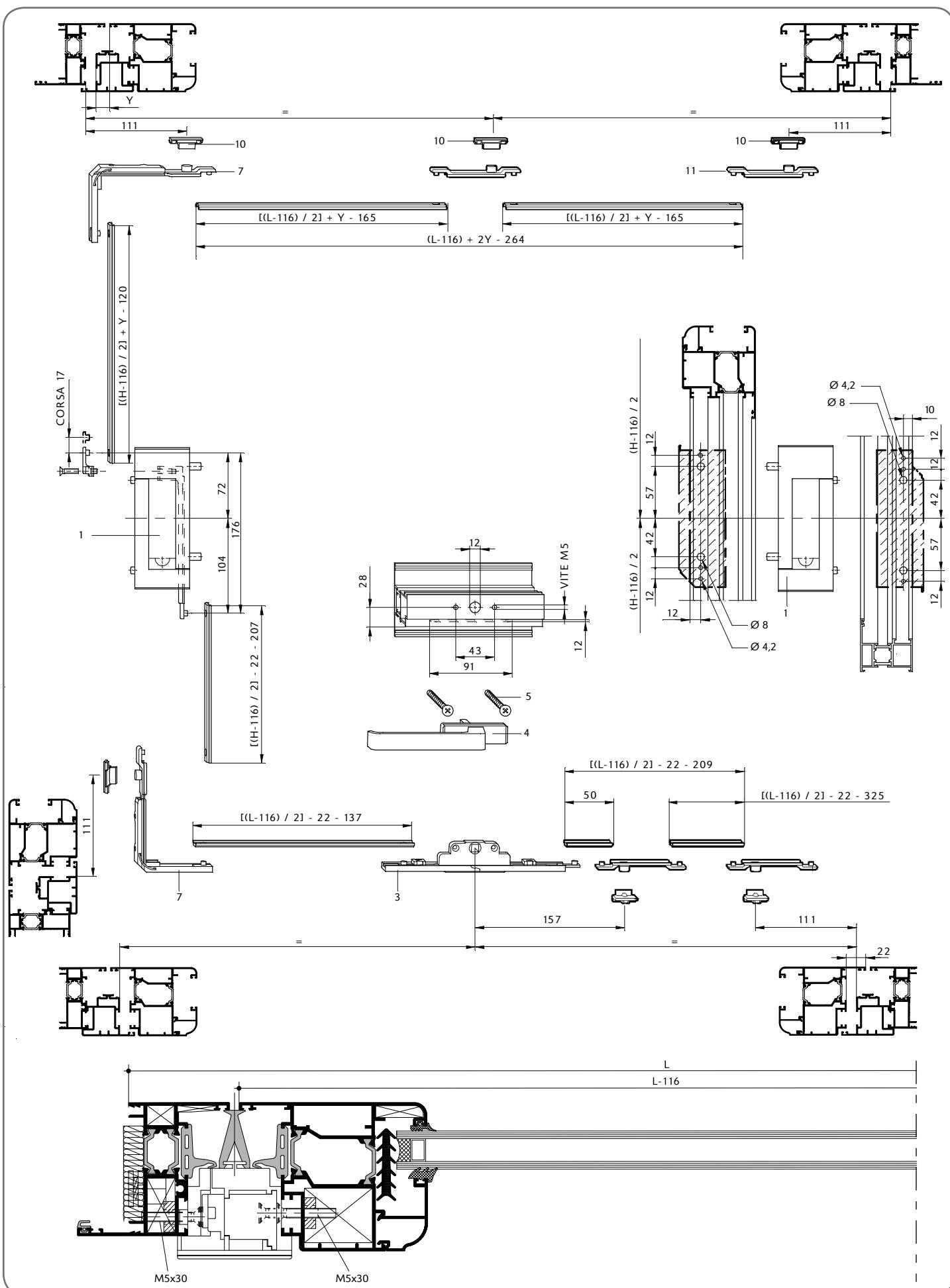
ACCESSORI BASE PER 1 ANTA A SPORGERE

ART.	DESCRIZIONE	N. PZ
A104-600.01	Espansore/Rapid Block	8
A105-0409	Squadretta a scatto	4
A621-7316	Squadretta allineamento telaio e anta	8
A70-7219	Squadretta tubolarità esterno telaio	4
A605-0427	Squadretta per inversione batt. e anta	16
A621-2136	Squadretta allineamento anta	4
A105-0706	Squadretta inxo telaio	2
A100-2328	Cappetta drenaggio acqua	3
A56-46455.XX	Maniglia	1
A70-2812	Riscontro per chiusura	4
A100-4030	Nottolino di chiusura registrabile	4
A56-1204	Rinvio d'angolo	2
A100-01974	Kit spessoramento A50-939E	1
A100-01374	Rostri chiusura traverso superiore	2
A56-939E	Braccetti per sporgere cp.	1
A56-940A	Limitatore di apertura	1
A56-941	Chiave per sblocco A56-940A	1

GUARNIZIONI

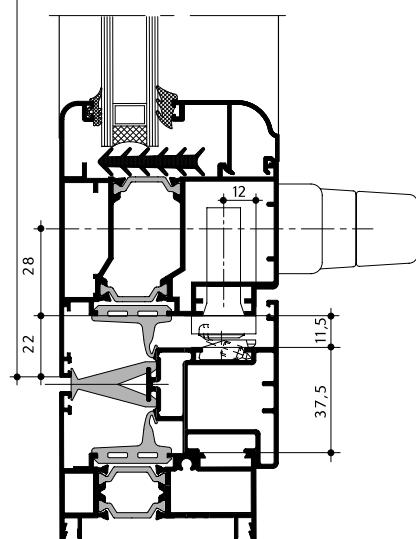
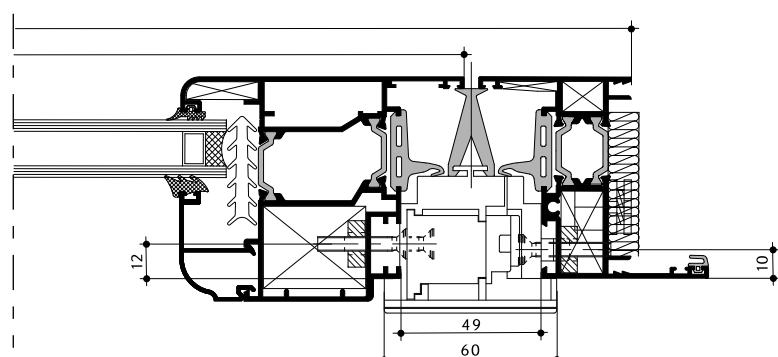
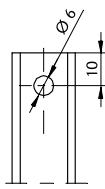
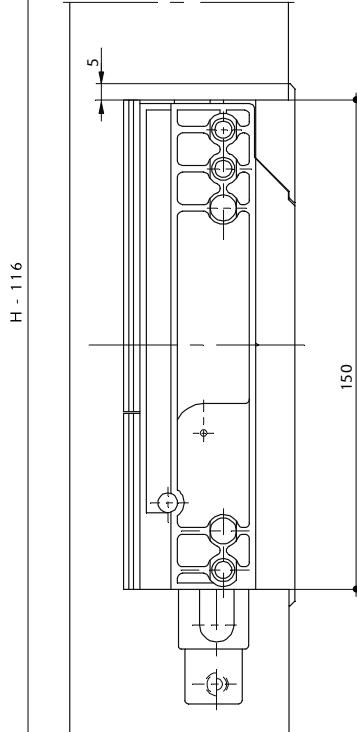
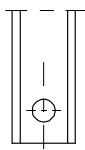
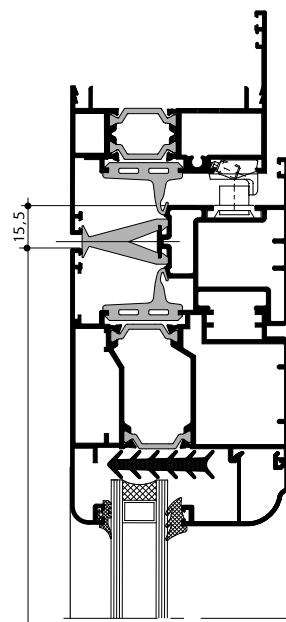
ART.	DESCRIZIONE	N. PZ
A126-2666	Guarnizione di battuta	5L+6H





**LEGENDA ACCESSORI DI MOVIMENTAZIONE ANTA BILICO**

POS.	ART.	DESCRIZIONE	N. PZ
1	A6-27212-XX	Frizione per bilico orizz. con rinforzi	1
4	A6-29189-30-XX	Maniglia	1
3	A6-25948-35	Meccanismo per chiusura	1
5	A9-13133-40	Vite	2
7	A6-24529-00	Rinvio d'angolo	2
11	A6-24539-00	Chiusura supplementare	4
10	AG-11071-00	Riscontro per chiusure supplementari	6
	AK-13393-00	Limitatore d'apertura	1





## Serie PBS78TH PLUS

