

# OS2 75

# bilico | pivot

## CATALOGO

## TECNICO

## TECHNICAL

## CATALOGUE



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|                                                                             |                |
|-----------------------------------------------------------------------------|----------------|
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|                                                                    |               |
|--------------------------------------------------------------------|---------------|
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**Sistema integrato di profili, accessori e guarnizioni a taglio termico** con profili aventi sezione in vista di 62 mm, dedicato alla realizzazione di serramenti con aperutra a bilico verticale e orizzontale

**I profili in metallo** componenti il sistema sono dello spessore di 15/10 mm e sono ottenuti tramite profilatura a freddo di nastri nei vari materiali previsti dal sistema.

**Il taglio termico** dei profili è realizzato tramite un estruso in poliammide rinforzato con fibra di vetro reso solidale alle parti in metallo esterne da una resina poliuretana ad alta densità, iniettata ad alta pressione. Il collegamento che si ottiene è continuo, privo di interruzioni e garantisce la massima resistenza torsionale e flettente.

**La costruzione dei telai** prevede l'unione tra i profili tramite saldatura in continuo delle sezioni in contatto e la successiva ripresa delle superfici in vista, o l'utilizzo di un sistema misto ad assiemaggio meccanico a saldatura interna che non necessita di riprese di finitura.

Il sistema prevede al possibilità di alloggiare **vetri stratificati** (di sicurezza) a una o più camere.

#### Caratteristiche del sistema:

Sormonto interno ed esterno delle ante;

Sistema a 3 livelli di tenuta per apertura interna, con guarnizione di giunto aperto e guarnizione interna ed esterna di battuta per le migliori prestazioni di tenuta all'aria e all'acqua e di isolamento acustico;

Doppia guarnizione di battuta per l'apertura esterna;

Sistema integrato completo di accessori per lo scarico acqua nello stesso materiale del profilo;

Kit completo per l'apertura a bilico con ferramenta integrata al profilo; per bilico orizzontale soluzione con ferramenta perimetrale continua movimentata da cremonese posizionata sul lato inferiore; Accessori di movimentazione negli stessi materiali del profilo.

**System of thermally broken profiles, accessories and gaskets** with visible section of 62 mm suitable for vertical and horizontal pivoting windows.

**The metal profiles** that make up the system are 15/10 mm thick and are obtained from the cold-forming of the coils in the various materials available.

**The profile thermal break** is connected by means of a glass-fibre reinforced, extruded polyamide that becomes one with the external metal parts with the use of a high density polyurethane resin, injected at high pressure. The connection is continuous, without interruptions, guaranteeing maximum resilience to torsional and bending stress.

**The assembly of the frames** requires that the profiles be connected by welding together the sections in contact and then that the visible welds must be ground down neatly and finished, or by combining mechanical assembly and internal welding that does not require the retouching of the finish.

The system permits to use double or triple thermal insulated glazing with **stratified glass** (security glass).

#### Features of the system:

Surmounted internal and external design of the sections ;

System with 3 barriers of tightness for inward opening, with central gasket and internal and external rebate gasket and for the best water and air tightness and acoustic performances;

Double rebate gasket for outwards opening leaf;

Integrated system complete of accessories for water drain in the material of profile; for horizontal pivot solution with continuous perimeter hardware moved by cremone bolt positioned on the lower side;

Full set of accessories for vertical pivoting windows with integrated ironmongery;

Pivot bearing in the same material of profile.

#### **PRESTAZIONI**

##### **Sistema**

Trasmittanza termica ( EN ISO 10077-2)

- Nodo tipo:  $U_f = 2,50 \text{ W/m}^2\text{K}$

##### **Bilico verticale**

Resistenza all'aria (DIN EN 12207)

- Fino a Classe 4

Resistenza all'acqua (DIN EN 12208)

- Fino a Classe 6A

Resistenza al vento (DIN EN 12210)

- Fino a Classe C5

Prova di durata a cicli di apertura (DIN EN 1197-12400)

- Fino a Classe 2 - 10.000 cicli

##### **Bilico orizzontale**

Resistenza all'aria (DIN EN 12207)

- Fino a Classe 4

Resistenza all'acqua (DIN EN 12208)

- Fino a Classe 7A

Resistenza al vento (DIN EN 12210)

- Fino a Classe C4

#### **PERFORMANCES**

##### **System**

Thermal transmittance (EN ISO 10077-2)

- Typical section:  $U_f = 2,50 \text{ W/m}^2\text{K}$

##### **Vertical pivot**

Air permeability (DIN EN 12207)

- Up to Class 4

Watertightness (DIN EN 12208)

- Up to Class 6A

Resistance to wind load (DIN EN 12210)

- Up to Class C5

Resistance to repeated opening and closing (DIN EN 1197-12400)

- Up to Class 2 - 10 000 opening and closing

##### **Horizontal pivot**

Air permeability (DIN EN 12207)

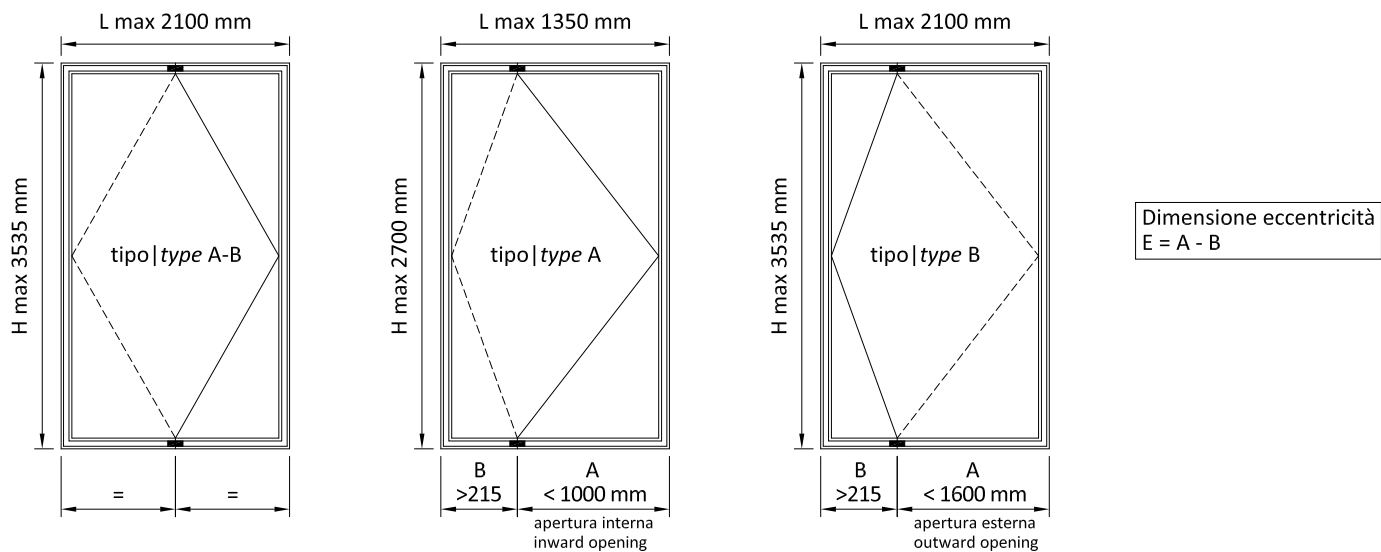
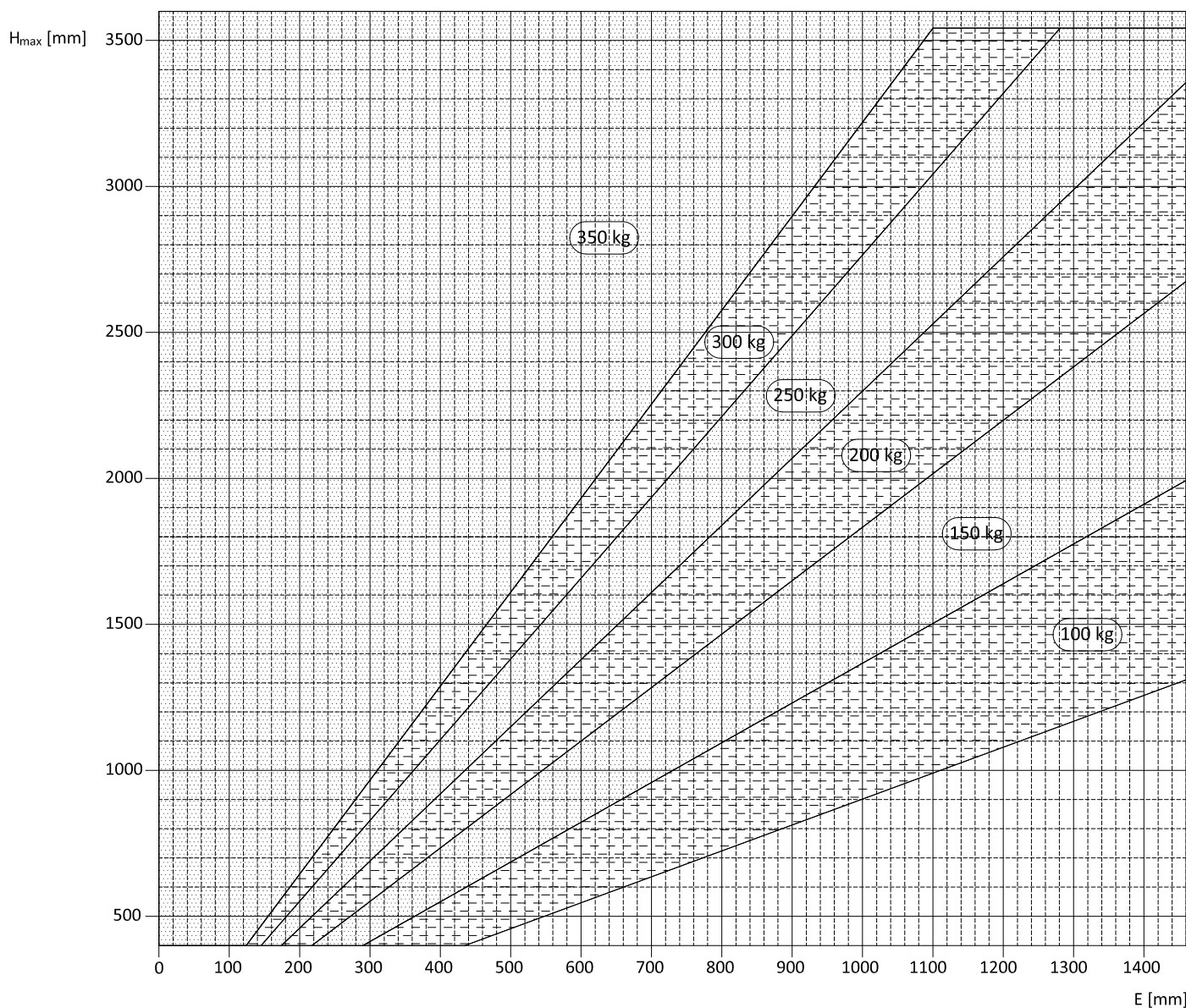
- Up to Class 4

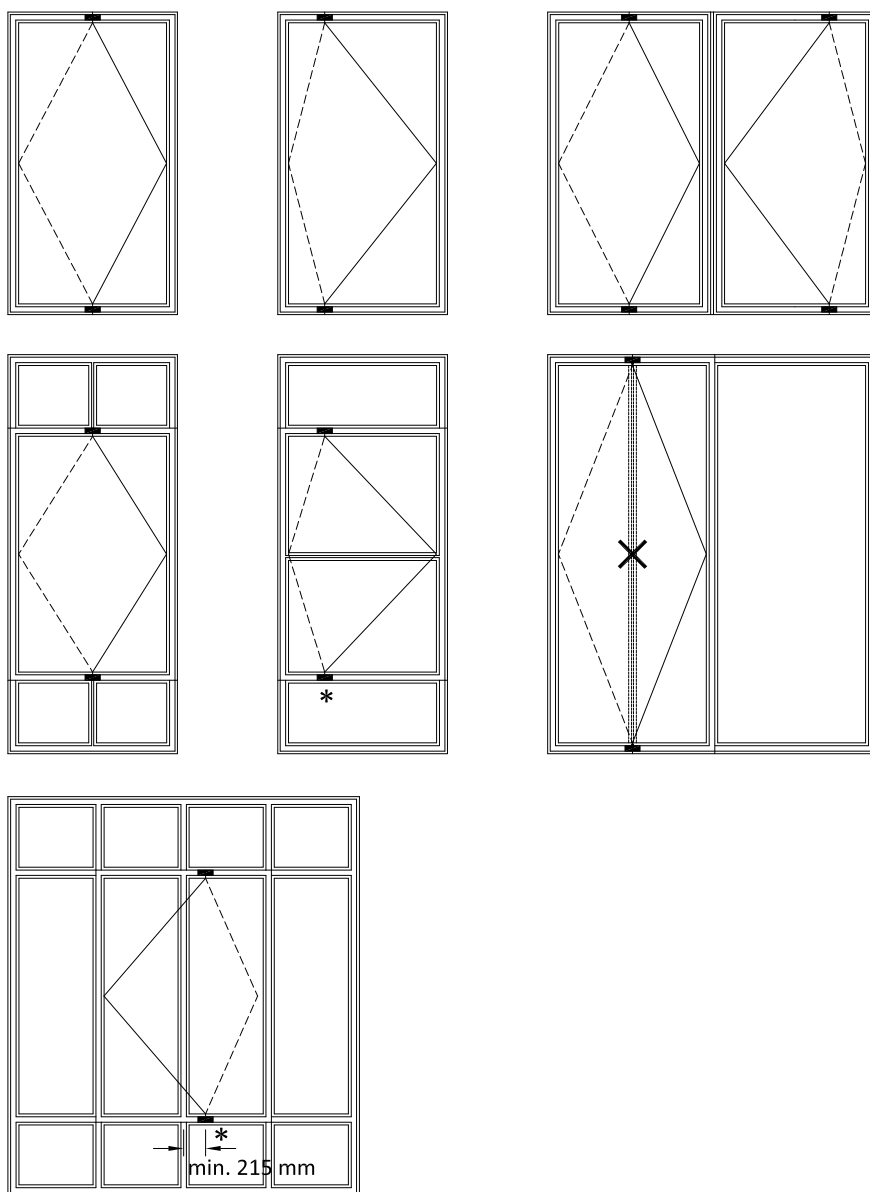
Watertightness (DIN EN 12208)

- Up to Class 7A

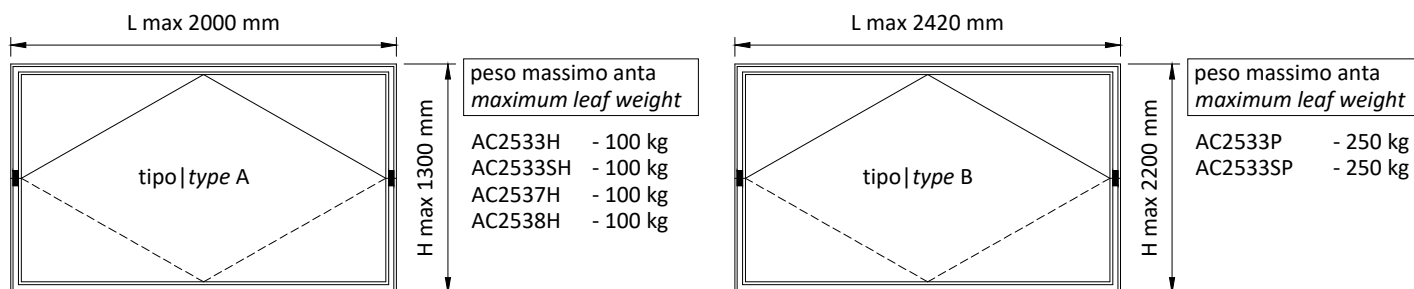
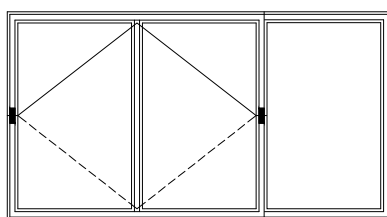
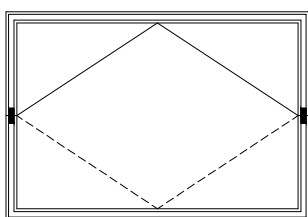
Resistance to wind load (DIN EN 12210)

- Up to Class C4

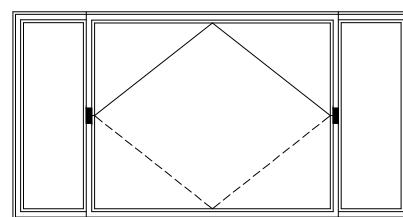
**Limiti dimensionali - Maximum dimension****Peso massimo anta - Maximum leaf weight**

Esempi tipologie realizzabili - *Types of windows*

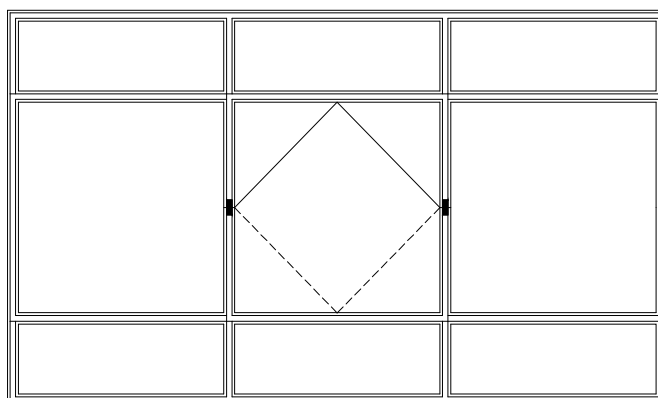
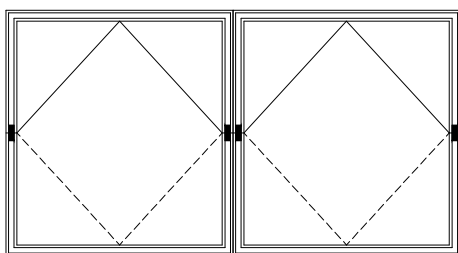
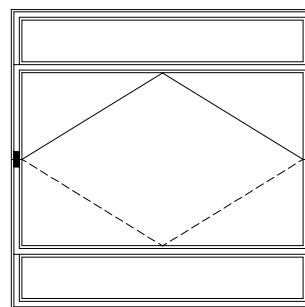
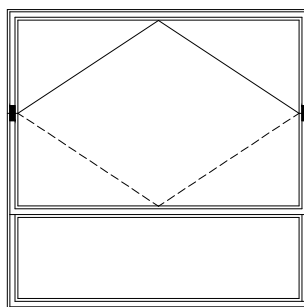
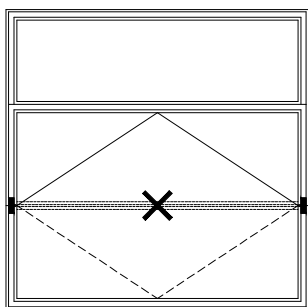
\* peso anta &lt; 100 kg; sash weight &lt; 100 kg

**Limiti dimensionali - Maximum dimension****Esempi tipologie realizzabili - Types of windows**

non realizzabile con tipo B  
not possible with type B

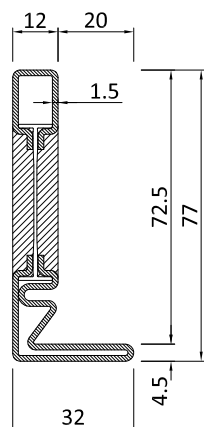


non realizzabile con tipo B  
not possible with type B

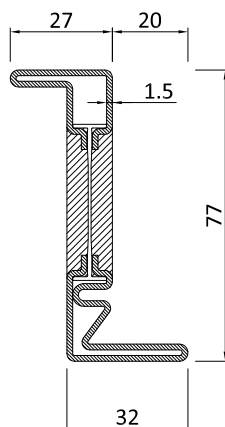


non realizzabile con tipo B  
not possible with type B

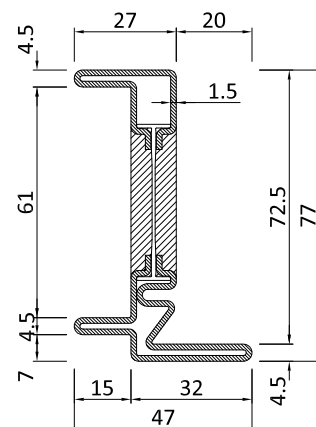




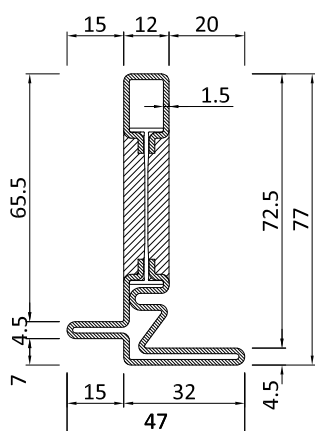
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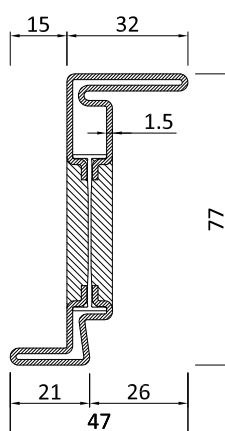
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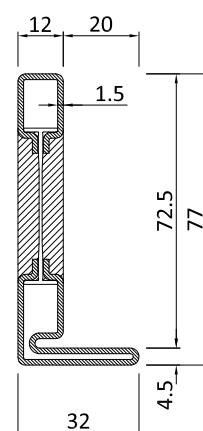
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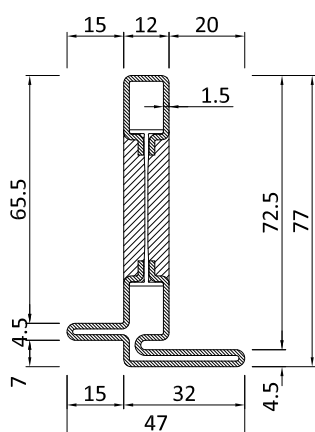
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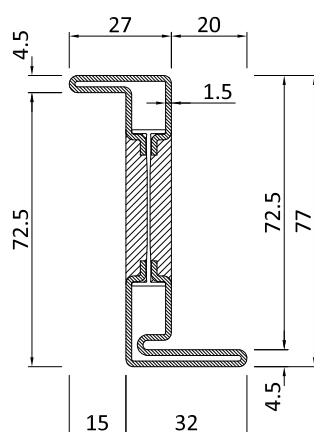
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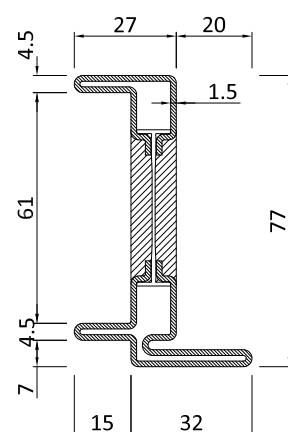
PR2961



PR2962

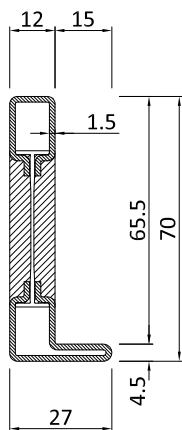


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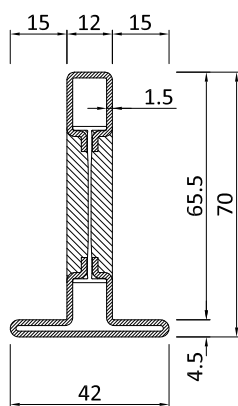


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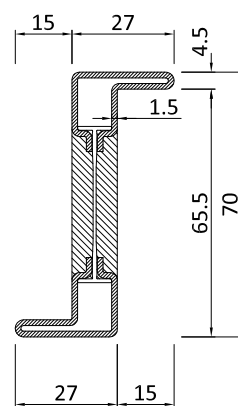
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|-------------------------|-------------|------|-----------|-----------|-----------|--------|-------------------------|-------------|------|-----------|-----------|-----------|--------|
|                         | Kg/m        |      |           |           |           |        |                         | Kg/m        |      |           |           |           |        |
|                         | ZN / I - CT | OT   |           |           |           |        |                         | ZN / I - CT | OT   |           |           |           |        |
| PR2901                  | 2,53        | 2,70 | 0,23      | 17,03     | 1,78      | 6,0    | PR2961                  | 2,46        | 2,62 | 0,22      | 17,16     | 1,74      | 6,0    |
| PR2903                  | 2,87        | 3,07 | 0,25      | 22,40     | 2,80      | 6,0    | PR2962                  | 2,73        | 2,92 | 0,25      | 17,89     | 2,97      | 6,0    |
| PR2915                  | 3,15        | 3,38 | 0,29      | 23,60     | 3,70      | 6,0    | PR2963                  | 2,80        | 2,9  | 0,25      | 22,53     | 2,79      | 6,0    |
| PR2942                  | 2,81        | 3,01 | 0,26      | 17,75     | 2,87      | 6,0    | PR2965                  | 3,07        | 3,29 | 0,28      | 23,73     | 3,82      | 6,0    |
| PR2943                  | 2,79        | 2,96 | 0,25      | 21,93     | 2,3       | 6,0    |                         |             |      |           |           |           |        |



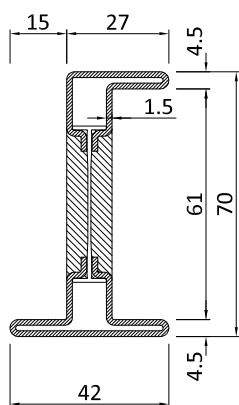
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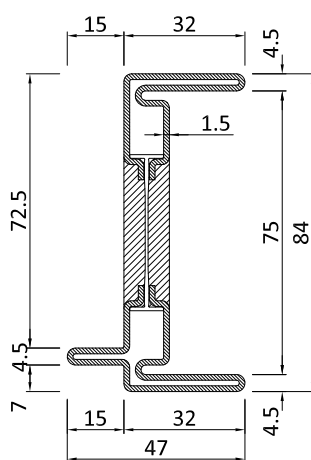
PR2972



PR2973



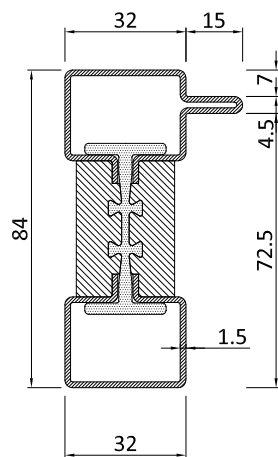
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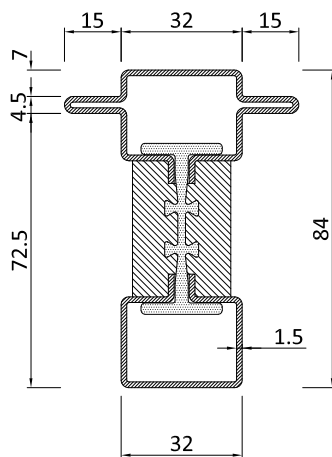
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|-------------------------|-------------|------|------------------------|-----------------------|-----------------------|--------|
|                         | ZN / I - CT | OT   |                        |                       |                       |        |
| PR2971                  | 2,01        | 2,14 | 0,19                   | 12,45                 | 1,02                  | 6,0    |
| PR2972                  | 2,34        | 2,50 | 0,21                   | 14,17                 | 2,13                  | 6,0    |
| PR2973                  | 2,35        | 2,51 | 0,21                   | 16,29                 | 3,32                  | 6,0    |
| PR2974                  | 2,68        | 2,87 | 0,22                   | 18,81                 | 2,87                  | 6,0    |
| PR2975                  | 3,52        | 3,77 | 0,32                   | 32,75                 | 4,36                  | 6,0    |

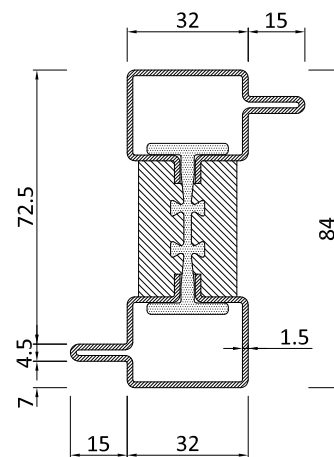
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|                         | ZN / I - CT | OT |                        |                       |                       |        |
|                         |             |    |                        |                       |                       |        |
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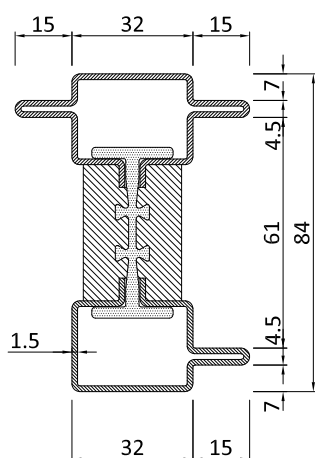
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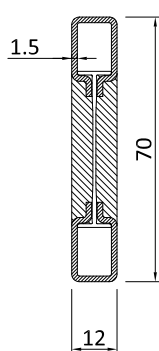
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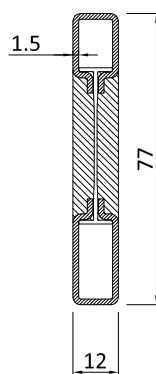
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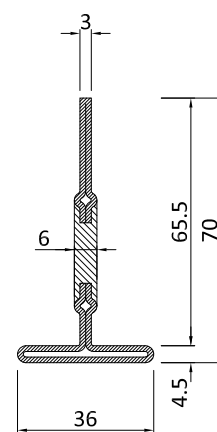
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PR2930



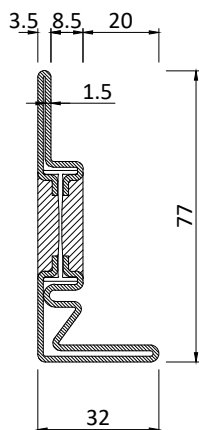
PR2931

PR2964 Non fornito in Inox  
Not in Inox

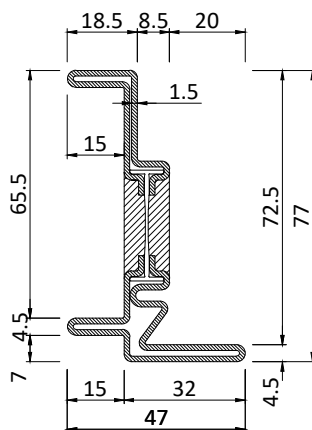
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|-------------------------|-------------|------|------------------------|-----------------------|-----------------------|--------|
|                         | ZN / I - CT | OT   |                        |                       |                       |        |
| PR2991                  | 3,81        | 4,06 | 0,24                   | 25,62                 | 6,58                  | 3,0    |
| PR2992                  | 4,42        | 4,70 | 0,26                   | 27,30                 | 9,45                  | 3,0    |
| PR2993                  | 4,49        | 4,78 | 0,26                   | 28,62                 | 9,12                  | 3,0    |
| PR2995                  | 4,80        | 5,11 | 0,29                   | 30,19                 | 11,62                 | 3,0    |
| PR2930                  | 1,67        | 1,77 | 0,16                   | 9,70                  | 031                   | 6,0    |

| Profilo / Profile<br>n° | P<br>Kg/m   |      | A<br>m <sup>2</sup> /m | Jx<br>cm <sup>4</sup> | Jy<br>cm <sup>4</sup> | L<br>m |
|-------------------------|-------------|------|------------------------|-----------------------|-----------------------|--------|
|                         | ZN / I - CT | OT   |                        |                       |                       |        |
| PR2931                  | 1,84        | 1,95 | 0,17                   | 12,37                 | 0,36                  | 6,0    |
| PR2964                  | 2,22        | 2,40 | 0,21                   | 14,87                 | 1,20                  | 6,0    |
|                         |             |      |                        |                       |                       |        |
|                         |             |      |                        |                       |                       |        |

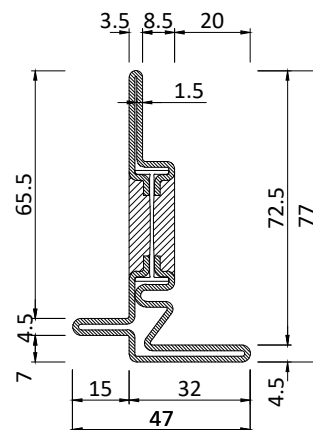




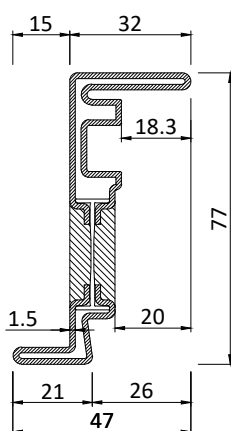
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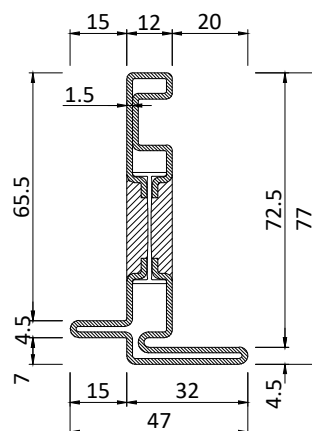
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PR2542

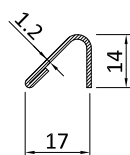


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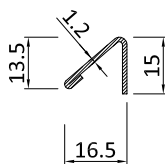


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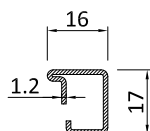
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|-------------------------|-------------|------|------------------------|-----------------------|-----------------------|--------|-------------------------|-------------|----|------------------------|-----------------------|-----------------------|--------|
|                         | ZN / I - CT | OT   |                        |                       |                       |        |                         | ZN / I - CT | OT |                        |                       |                       |        |
| PR2511                  | 2,66        | 2,86 | 0,23                   | 15,34                 | 1,94                  | 6,0    |                         |             |    |                        |                       |                       |        |
| PR2515                  | 3,26        | 3,51 | 0,29                   | 22,20                 | 3,61                  | 6,0    |                         |             |    |                        |                       |                       |        |
| PR2542                  | 2,94        | 3,17 | 0,26                   | 16,03                 | 2,91                  | 6,0    |                         |             |    |                        |                       |                       |        |
| PR2543                  | 3,08        | 3,29 | 0,30                   | 22,52                 | 2,87                  | 6,0    |                         |             |    |                        |                       |                       |        |
| PR2562                  | 3,19        | 3,52 | 0,26                   | 20,26                 | 1,60                  | 3,0    |                         |             |    |                        |                       |                       |        |



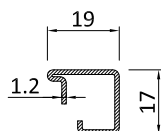
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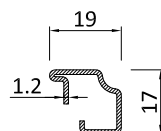
PR2670



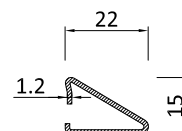
PR2606



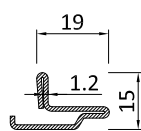
PR2607



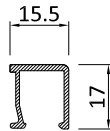
PR2627



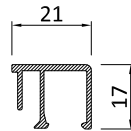
PR2629



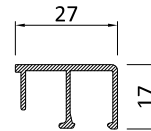
PR2638



PA2606



PA2607

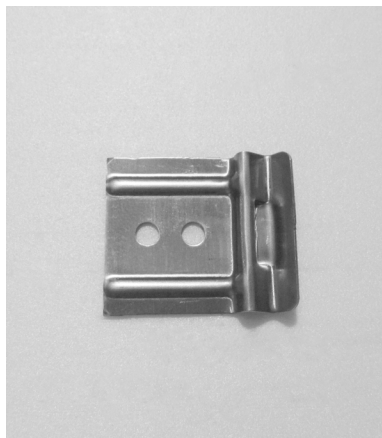


PA2608

## MATERIALE | MATERIAL

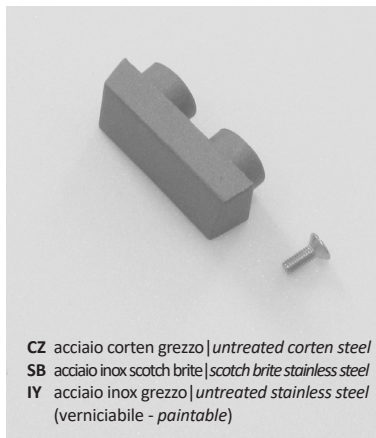
PR \_ \_ \_ \_ ZN acciaio zincato | *galvanized steel*PR \_ \_ \_ \_ CZ acciaio corten grezzo | *untreated corten steel*PR \_ \_ \_ \_ SB acciaio inox scotch brite | *stainless steel scotch brite*PR \_ \_ \_ \_ BR ottone grezzo | *untreated brass*PA \_ \_ \_ \_ alluminio | *aluminium*

| Profilo / Profile<br>n° | P<br>Kg/m   |      | A<br>m <sup>2</sup> /m | Jx<br>cm <sup>4</sup> | Jy<br>cm <sup>4</sup> | L<br>m | Profilo / Profile<br>n° | P<br>Kg/m   |           | A<br>m <sup>2</sup> /m | Jx<br>cm <sup>4</sup> | Jy<br>cm <sup>4</sup> | L<br>m |
|-------------------------|-------------|------|------------------------|-----------------------|-----------------------|--------|-------------------------|-------------|-----------|------------------------|-----------------------|-----------------------|--------|
|                         | ZN / 1 - CT | OT   |                        |                       |                       |        |                         | ZN / 1 - CT | OT        |                        |                       |                       |        |
| PR2620                  | 0,24        | 0,27 |                        |                       |                       | 4,0    | PA2606                  | 0,17        | Alluminio |                        |                       |                       | 6,0    |
| PR2670                  | 0,40        | 0,43 |                        |                       |                       | 4,0    | PA2607                  | 0,23        | Alluminio |                        |                       |                       | 6,0    |
| PR2606                  | 0,48        | 0,52 |                        |                       |                       | 6,0    | PA2608                  | 0,26        | Alluminio |                        |                       |                       | 6,0    |
| PR2607                  | 0,51        | 0,55 |                        |                       |                       | 6,0    |                         |             |           |                        |                       |                       |        |
| PR2627                  | 0,47        | 0,51 |                        |                       |                       | 6,0    |                         |             |           |                        |                       |                       |        |
| PR2629                  | 0,49        | 0,53 |                        |                       |                       | 6,0    |                         |             |           |                        |                       |                       |        |
| PR2638                  | 0,60        | 0,65 |                        |                       |                       | 6,0    |                         |             |           |                        |                       |                       |        |

**AC 2608**

Clips per fissaggio fermavetri  
PR2606 - PR2607 - PR2627  
PR2629 - PR2638

*Clips for securing  
PR2606 - PR2607 - PR2627  
PR2629 - PR2638  
glazing beads*

**AC 2618.xx**

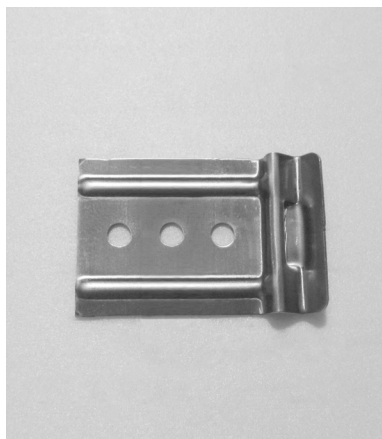
Scarico acqua per aperture  
interne in metallo

*Metal drip for inward openings*

**AC 2618.NE**

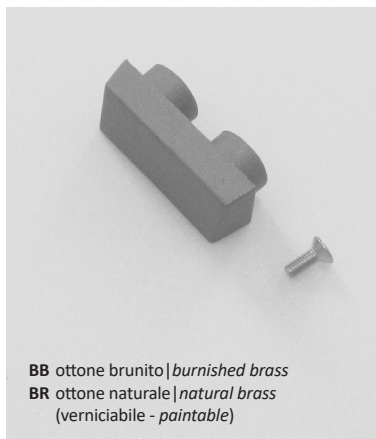
Scarico acqua per aperture  
interne in plastica nera  
Non verniciabile

*Black plastic drip for inward  
openings  
Non paintable*

**AC 2608AR**

Clips per fissaggio fermavetri  
PR2606 - PR2607 - PR2627  
PR2629  
su profilo PR2542 - PR2543 -  
PR2562

*Clips for securing  
PR2606 - PR2607 - PR2627  
PR2629 glazing beads  
on PR2542 - PR2543 - PR2562  
profile*

**ACB 219.xx**

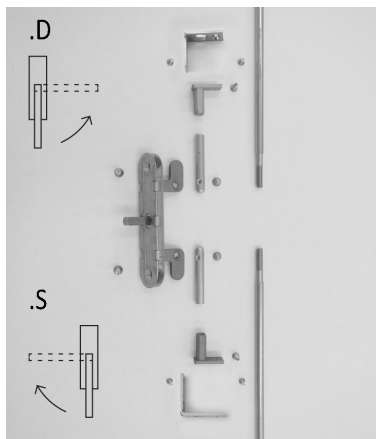
Scarico acqua per aperture  
interne in ottone

*Brass drip for inward openings*

**AC 2609AR**

Clips per fissaggio fermavetri  
su profilo PR2954 - PR2964

*Clips for securing glazing beads  
on PR2954 - PR2964 profile*

**AC 2625.D**

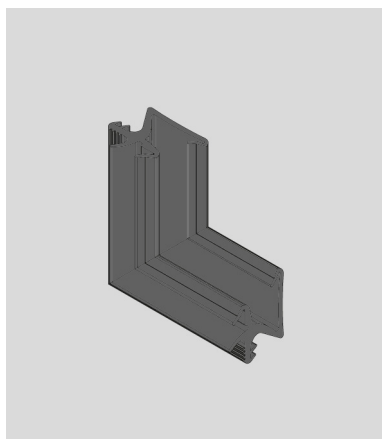
Kit cremonese dx per apertura  
interna bilico verticale

*RH cremonese bolt set for vertical  
pivot inward opening*

**AC 2625.S**

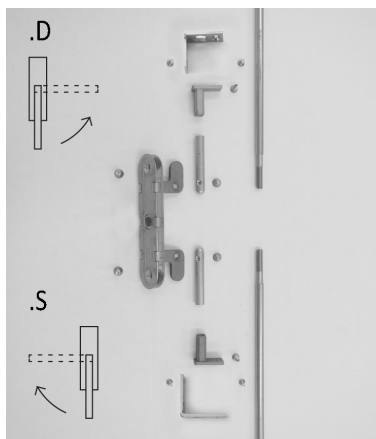
Kit cremonese sx per apertura  
interna bilico verticale

*LH cremonese bolt set for vertical  
pivot inward opening*

**AC 2617NG**

Guarnizione d'angolo  
vulcanizzata per GE2603

*Vulcanised corner gasket  
for GE2603*

**AC 2625E.D**

Kit cremonese dx per apertura  
interna bilico verticale

Gratz con maniglia removibile  
*RH cremonese bolt set for vertical  
pivot inward opening  
Gratz mechanism with removable handle*

**AC 2625E.S**

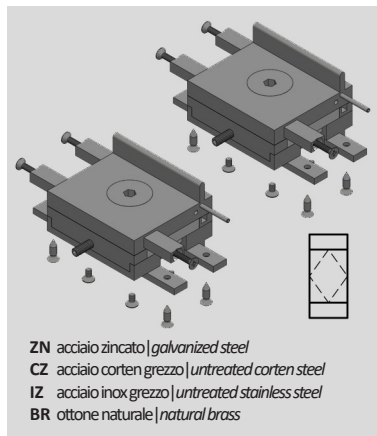
Kit cremonese sx per apertura  
interna bilico verticale

Gratz con maniglia removibile  
*LH cremonese bolt set for vertical  
pivot inward opening  
Gratz mechanism with removable handle*

**AC 2626R**

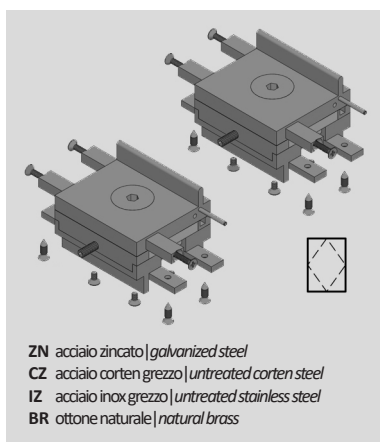
Punto di chiusura aggiuntivo  
per finestra

*Additional locking point  
for windows*

**AC 2538V.xx**

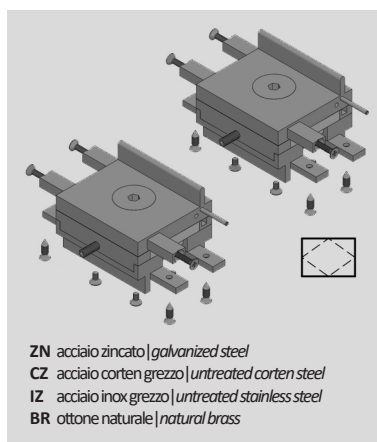
Coppia cerniere per bilico  
verticale con sopra luce  
superiore e sottoluce inferiore  
Telaio PR2942 | PR2963

*Couple hinges for vertical pivot  
with top light and bottom light  
Frame PR2942 | PR2963*

**AC 2533V.xx**

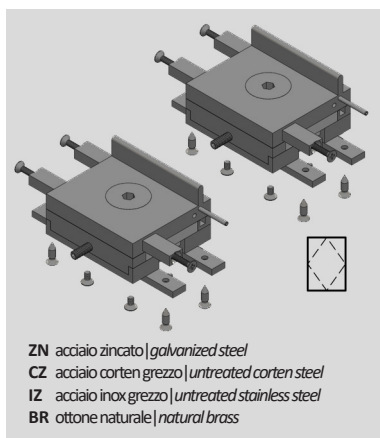
Coppia cerniere per bilico  
verticale senza sopra luce  
superiore o sottoluce inferiore  
Telaio PR2915 | PR2965

*Couple hinges for vertical pivot  
without top light or bottom light  
Frame PR2915 | PR2965*

**AC 2533H.xx**

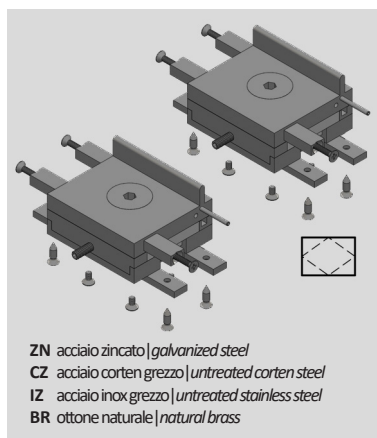
Coppia cerniere per bilico  
orizzontale senza laterali fissi  
Telaio PR2915 | PR2965

*Couple hinges for horizontal pivot  
without side light  
Frame PR2915 | PR2965*

**AC 2533SV.xx**

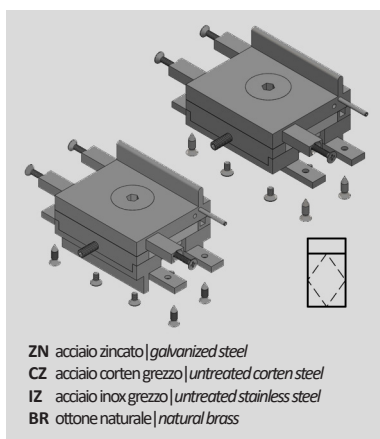
Coppia cerniere per bilico  
verticale senza sopra luce  
superiore o sottoluce inferiore  
Telaio PR2901 | PR2961

*Couple hinges for vertical pivot  
without top light or bottom light  
Frame PR2901 | PR2961*

**AC 2533SH.xx**

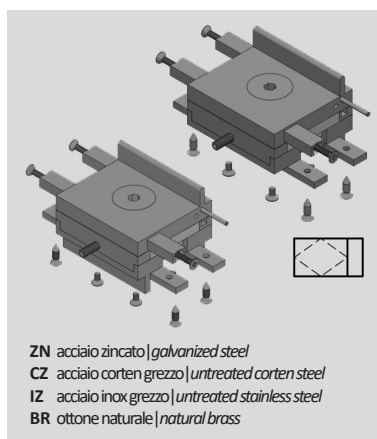
Coppia cerniere per bilico  
orizzontale senza laterali fissi  
Telaio PR2901 | PR2961

*Couple hinges for horizontal pivot  
without side light  
Frame PR2901 | PR2961*

**AC 2537V.xx**

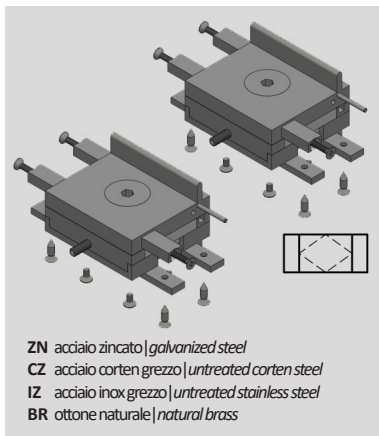
Coppia cerniere per bilico  
verticale con sopra luce  
superiore o sottoluce inferiore  
Telaio PR2915 | PR2965  
Telaio PR2942 | PR2963

*Couple hinges for vertical pivot  
with top light or bottom light  
Frame PR2915 | PR2965  
Frame PR2942 | PR2963*

**AC 2537H.xx**

Coppia cerniere per bilico  
orizzontale con un laterale fisso  
Telaio PR2915 | PR2965  
Telaio PR2942 | PR2963

*Couple hinges for horizontal pivot  
with one side light  
Frame PR2915 | PR2965  
Frame PR2942 | PR2963*



**ZN** acciaio zincato | galvanized steel  
**CZ** acciaio corten grezzo | untreated corten steel  
**IZ** acciaio inox grezzo | untreated stainless steel  
**BR** ottone naturale | natural brass

**AC 2538H.xx**

Coppia cerniere per bilico  
orizzontale con due laterali fissi  
Telaio PR2942 | PR2963

*Couple hinges for horizontal pivot  
with two side light  
Frame PR2942 | PR2963*

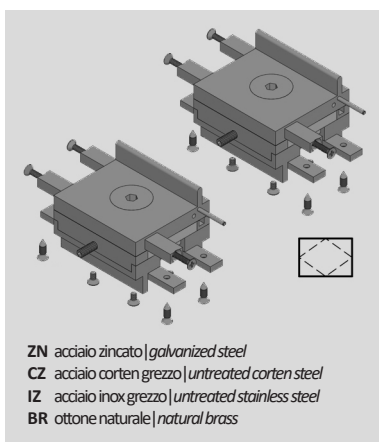


**ZN** acciaio zincato | galvanized steel  
**CZ** acciaio corten | corten steel  
**IZ** acciaio inox | stainless steel  
**BR** ottone naturale | natural brass

**AC 2659.xx**

Fondino per profili  
PR2975 | PR2991 | PR2992  
PR2993 | PR2995  
(apertura esterna)

*Fittings for profiles  
PR2975 | PR2991 | PR2992  
PR2993 | PR2995  
(outward opening)*



**ZN** acciaio zincato | galvanized steel  
**CZ** acciaio corten grezzo | untreated corten steel  
**IZ** acciaio inox grezzo | untreated stainless steel  
**BR** ottone naturale | natural brass

**AC 2533P.xx**

Coppia cerniere per bilico  
orizzontale senza laterali fissi  
Telaio PR2515 | PR2965

*Couple hinges for horizontal pivot  
without side light  
Frame PR2515 | PR2965*

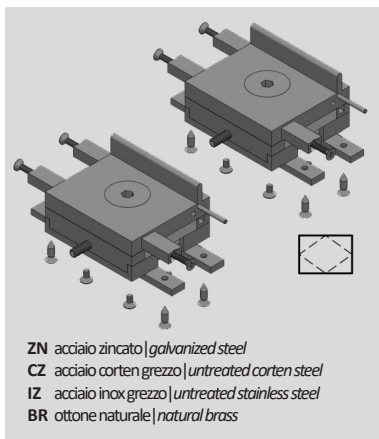


**BR** ottone grezzo verniciabile | paintable untreated brass  
**BB** ottone brunito | burnished brass  
**CZ** acciaio corten grezzo | untreated corten steel  
**SB** acciaio inox scotch brite | scotch-brite stainless steel

**AC 2680.xx**

Maniglia di trascinamento  
per aperture esterne  
con profilo PR2962

*Pulling handle for outward  
opening with PR2962 profile*

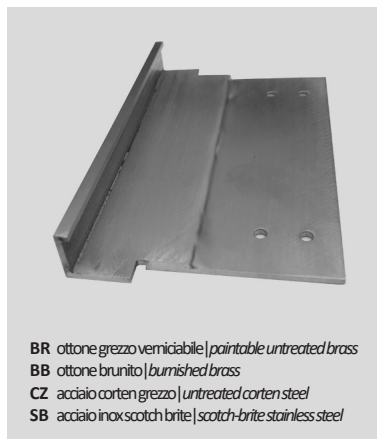


**ZN** acciaio zincato | galvanized steel  
**CZ** acciaio corten grezzo | untreated corten steel  
**IZ** acciaio inox grezzo | untreated stainless steel  
**BR** ottone naturale | natural brass

**AC 2533SP.xx**

Coppia cerniere per bilico  
orizzontale senza laterali fissi  
Telaio PR2511 | PR2961

*Couple hinges for horizontal pivot  
without side light  
Frame PR2511 | PR2961*



**BR** ottone grezzo verniciabile | paintable untreated brass  
**BB** ottone brunito | burnished brass  
**CZ** acciaio corten grezzo | untreated corten steel  
**SB** acciaio inox scotch brite | scotch-brite stainless steel

**AC 2680E.xx**

Maniglia di trascinamento  
per aperture esterne  
con profilo PR2562

*Pulling handle for outward  
opening with PR2562 profile*

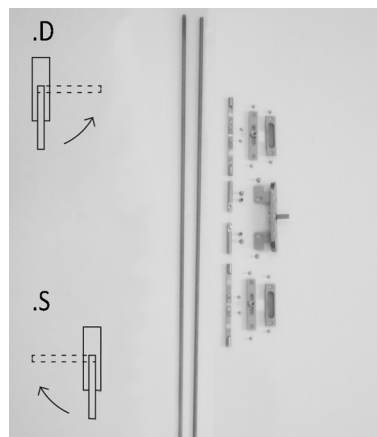


**ZN** acciaio zincato | galvanized steel  
**CZ** acciaio corten | corten steel  
**IZ** acciaio inox | stainless steel  
**BR** ottone naturale | natural brass

**AC 2658.xx**

Fondino per profili  
PR2975 | PR2991 | PR2992  
PR2993 | PR2995  
(apertura interna)

*Fittings for profiles  
PR2975 | PR2991 | PR2992  
PR2993 | PR2995  
(inward opening)*

**AC 2683.D**

Kit cremone dx per apertura  
esterna bilico verticale

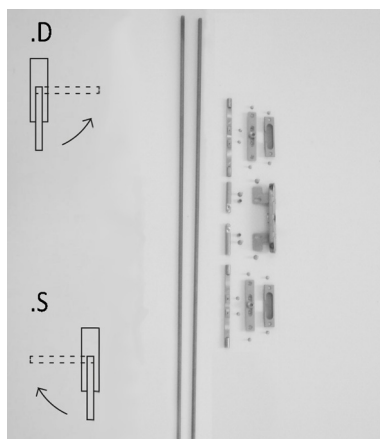
*RH cremone bolt set for vertical  
pivot outward opening*

**AC 2683.S**

Kit cremone sx per apertura  
esterna bilico verticale

*LH cremone bolt set for vertical  
pivot outward opening*



**AC 2683E.D**

Kit cremonese dx per apertura  
esterna bilico verticale  
Gratz con maniglia removibile  
*RH cremone bolt set for vertical  
pivot outward opening  
Gratz mechanism with removable handle*

**AC 2683E.S**

Kit cremonese sx per apertura  
esterna bilico verticale  
Gratz con maniglia removibile  
*LH cremone bolt set for vertical  
pivot outward opening  
Gratz mechanism with removable handle*



**CV2683**  
**CV2683I**

acciaio zincato | *galvanized steel*  
acciaio inox | *stainless steel*

**CV2683.**

Vite trilobata  
TPS M4x14

*Thread cutting machine screw  
TPS M4x14*

**AC 2686**

Braccetto limitatore di apertura  
senza blocco

*Window restrictor*



**CV1271**  
**CV1271I**

acciaio zincato | *galvanized steel*  
acciaio inox | *stainless steel*

**CV1271.**

Vite trilobata  
TPS M4x16

*Thread cutting machine screw  
TPS M4x16*



**CV1023**  
**CV1023I**

acciaio zincato | *galvanized steel*  
acciaio inox | *stainless steel*

**CV 1023.**

Vite per boccia fermavetri  
in alluminio, TPS 4.2x13

*Screw for aluminium glazing  
bead bushing, TPS 4.2x13*



**CV5012**  
**CV5012I**

acciaio zincato | *galvanized steel*  
acciaio inox | *stainless steel*

**CV 5012.**

Boccia per fermavetri in  
alluminio

*Bushing for aluminium  
glazing bead*



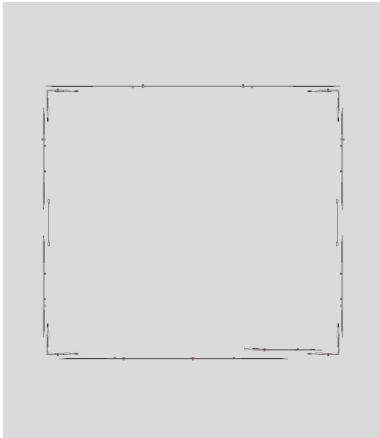
**CV1243**  
**CV1243I**

acciaio zincato | *galvanized steel*  
acciaio inox | *stainless steel*

**CV 1243.**

Vite trilobata per boccia ferma-  
vetri in alluminio, TPS M4x8

*Thread cutting machine screw  
for aluminium glazing  
bead bushing, TPS M4x8*



AGP 580.xx

Meccanismo di chiusura per bilico orizzontale con profili anta PR2543-PR2562

Locking mechanism for horizontal pivot with PR2543-PR2562 sash profiles

|                    |           | altezza - height |             |              |              |              |
|--------------------|-----------|------------------|-------------|--------------|--------------|--------------|
|                    |           | 590<br>720       | 721<br>1030 | 1031<br>1300 | 1301<br>1500 | 1501<br>2300 |
| larghezza<br>width | 950-1090  | Y1               | Z1          | A1           | B1           | C1           |
|                    | 1091-1220 | Y2               | Z2          | A2           | B2           | C2           |
|                    | 1221-1420 |                  | Z3          | A3           | B3           | C3           |
|                    | 1421-1780 |                  | Z4          | A4           | B4           | C4           |
|                    | 1781-2010 |                  | Z5          | A5           | B5           | C5           |
|                    | 2011-2180 |                  | Z6          | A6           | B6           | C6           |
| 2181-2500          |           |                  |             | A7           | B7           | C7           |

Per i range non coperti da questa tabella o dimensioni inferiori contattare Secco Sistemi  
For ranges not included in this table or smaller sizes, contact Secco Sistemi

Istruzioni di montaggio disponibili sul sito nell'area download - "ferramenta bilico orizzontale AGP580"  
Assembly instructions available on the website in the download area - "horizontal pivot hardware AGP580"

**AC 2801I**

Kit squadrette allineamento

*Alignment bracket set*

Profili | Profiles  
 PR2901  
 PR2901 - PR2903  
 PR2901 - PR2942  
 PR2903 - PR2942  
 PR2942 | PR2915 - P2942  
 PR2961 | PR2961 - PR2963  
 PR2962 - PR2963 telaio | frame

**AC 2815IR**

Kit squadrette allineamento

*Alignment bracket set*

Profili | Profiles  
 PR2515

**AC 2803I**

Kit squadrette allineamento

*Alignment bracket set*

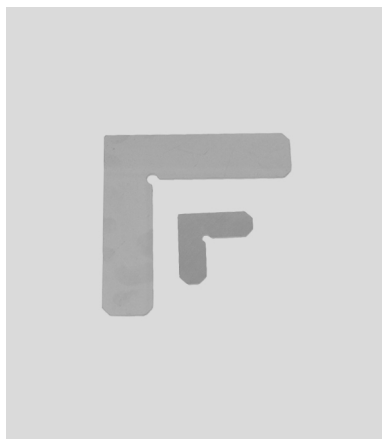
Profili | Profiles  
 PR2903  
 PR2915  
 PR2963  
 PR2965 - PR2963

**AC 2843I**

Kit squadrette allineamento

*Alignment bracket set*

Profili | Profiles  
 PR2943

**AC 2803IR**

Kit squadrette allineamento

*Alignment bracket set*

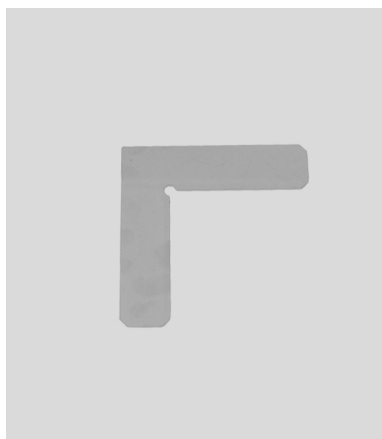
Profili | Profiles  
 PR2542

**AC 2843IR**

Kit squadrette allineamento

*Alignment bracket set*

Profili | Profiles  
 PR2543

**AC 2811IR**

Kit squadrette allineamento

*Alignment bracket set*

Profili | Profiles  
 PR2511

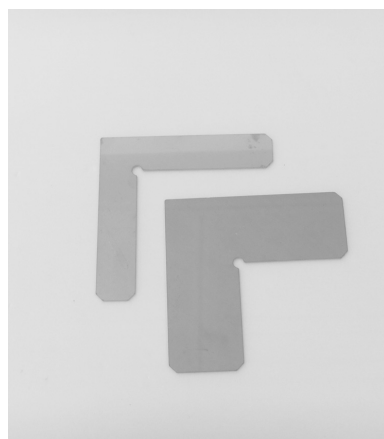
**AC 2853I**

Kit squadrette allineamento

*Alignment bracket set*

Profili | Profiles  
 PR2973



**AC 2855I**

Kit squadrette allineamento

*Alignment bracket set*Profili | Profiles  
PR2974**AC 2871I**

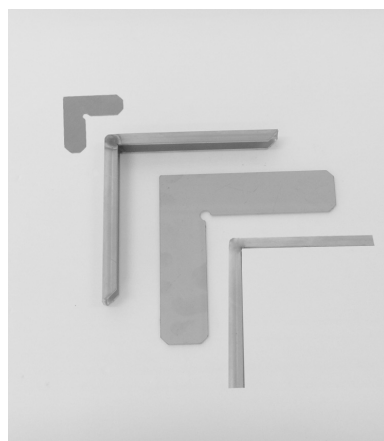
Kit squadrette allineamento

*Alignment bracket set*Profili | Profiles  
PR2971**AC 2862I**

Kit squadrette allineamento

*Alignment bracket set*Profili | Profiles  
PR2962**AC 2872I**

Kit squadrette allineamento

*Alignment bracket set*Profili | Profiles  
PR2972**AC 2862IR**

Kit squadrette allineamento

*Alignment bracket set*Profili | Profiles  
PR2562**AC 2875I**

Kit squadrette allineamento

*Alignment bracket set*Profili | Profiles  
PR2975**AC 2865I**

Kit squadrette allineamento

*Alignment bracket set*Profili | Profiles  
PR2965**AC 2891I**

Kit squadrette allineamento

*Alignment bracket set*Profili | Profiles  
PR2991

**AC 2892I**

Kit squadrette allineamento

*Alignment bracket set*

Profili | Profiles

PR2992

PR2993

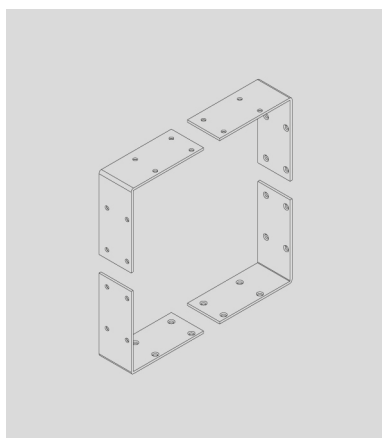
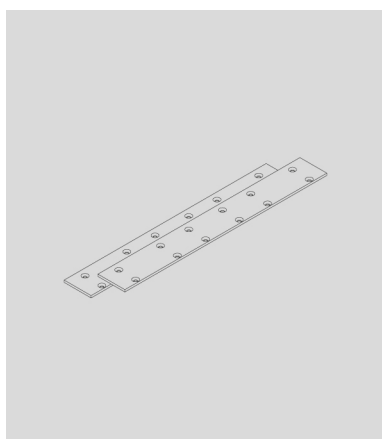
**AC 2895I**

Kit squadrette allineamento

*Alignment bracket set*

Profili | Profiles

PR2995

**AC 2986P**Kit squadrette rinforzo angoli  
per ante con peso >100 kg*Corner joint kit for leaf with  
weight >100 kg***AC 2986PX**Kit piatti di rinforzo su snodo  
bilico orizzontale per profili in  
ottone su ante con peso >100 kg*Kit of reinforcement plates on  
horizontal pivot joint for brass  
profiles on leaf with weight  
>100 kg*

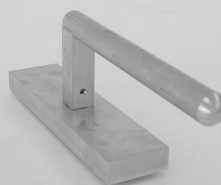


BR ottone grezzo verniciabile | paintable untreated brass  
BB ottone brunito | burnished brass  
CZ acciaio corten grezzo | untreated corten steel  
SB acciaio inox scotch brite | scotch-brite stainless steel

**ACV 673.xx**

Copertina per gratz con maniglia  
removibile su kit  
AC2624E | AC2625E  
AC2683E | AC2684E

*Cover for gratz mechanism  
on kit  
AC2624E | AC2625E  
AC2683E | AC2684E*



BR ottone grezzo verniciabile | paintable untreated brass  
BB ottone brunito | burnished brass  
CL ottone cromo lucido | polished and chromed brass  
OL ottone lucido | polished brass

**ACV 774.xx**

Martellina cremonese  
"VITRUVIO" small su kit  
AC2624 | AC2625  
AC2683 | AC2684  
L | tonda | sfera

*Cremone handle  
small "VITRUVIO" on kit  
AC2624 | AC2625  
AC2683 | AC2684  
L | sphere | round*



BR ottone grezzo verniciabile | paintable untreated brass  
BB ottone brunito | burnished brass  
CL ottone cromo lucido | polished and chromed brass  
OL ottone lucido | polished brass  
SB acciaio inox scotch brite | scotch-brite stainless steel

**ACV 771.xx**

Martellina cremonese  
"VITRUVIO" small su kit  
AC2624 | AC2625  
AC2683 | AC2684  
T | tonda | tronca

*Cremone handle  
small "VITRUVIO" on kit  
AC2624 | AC2625  
AC2683 | AC2684  
T | cut | round*

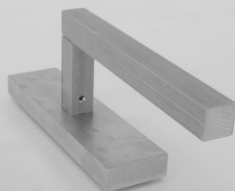


BR ottone grezzo verniciabile | paintable untreated brass  
BB ottone brunito | burnished brass  
CL ottone cromo lucido | polished and chromed brass  
OL ottone lucido | polished brass

**ACV 776.xx**

Martellina cremonese  
"VITRUVIO" su kit  
AC2624 | AC2625  
AC2683 | AC2684  
KIDS

*Cremone handle  
small "VITRUVIO" on kit  
AC2624 | AC2625  
AC2683 | AC2684  
KIDS*



BR ottone grezzo verniciabile | paintable untreated brass  
BB ottone brunito | burnished brass  
CZ acciaio corten grezzo | untreated corten steel  
SB acciaio inox scotch brite | scotch-brite stainless steel

**ACV 772.xx**

Martellina cremonese  
"VITRUVIO" small su kit  
AC2624 | AC2625  
AC2683 | AC2684  
L | quadra | tronca

*Cremone handle  
small "VITRUVIO" on kit  
AC2624 | AC2625  
AC2683 | AC2684  
L | cut | square*

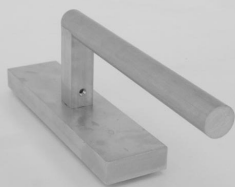


BR ottone grezzo verniciabile | paintable untreated brass  
BB ottone brunito | burnished brass  
CL ottone cromo lucido | polished and chromed brass  
OL ottone lucido | polished brass

**ACV 777.xx**

Martellina cremonese  
"VITRUVIO" su kit  
AC2624 | AC2625  
AC2683 | AC2684  
OVALE

*Cremone handle  
small "VITRUVIO" on kit  
AC2624 | AC2625  
AC2683 | AC2684  
OVAL*



BR ottone grezzo verniciabile | paintable untreated brass  
BB ottone brunito | burnished brass  
CL ottone cromo lucido | polished and chromed brass  
OL ottone lucido | polished brass  
SB acciaio inox scotch brite | scotch-brite stainless steel

**ACV 773.xx**

Martellina cremonese  
"VITRUVIO" small su kit  
AC2624 | AC2625  
AC2683 | AC2684  
L | tonda | tronca

*Cremone handle  
small "VITRUVIO" on kit  
AC2624 | AC2625  
AC2683 | AC2684  
L | cut | round*

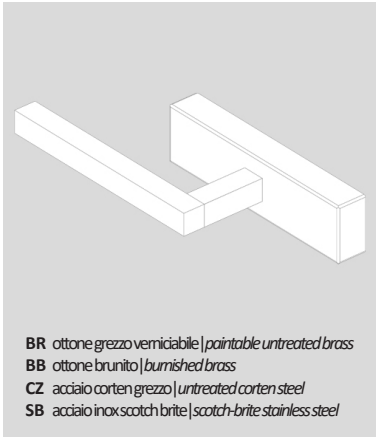


BR ottone grezzo verniciabile | paintable untreated brass  
BB ottone brunito | burnished brass  
CL ottone cromo lucido | polished and chromed brass  
OL ottone lucido | polished brass

**ACV 779.xx**

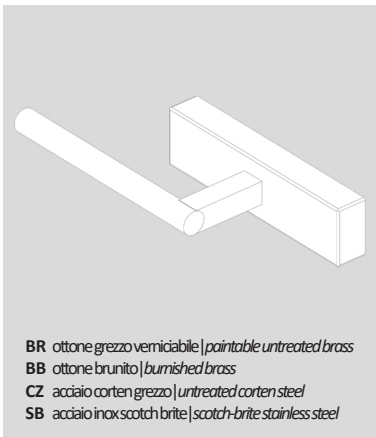
Martellina cremonese  
"VITRUVIO" small su kit  
AC2624 | AC2625  
AC2683 | AC2684  
T | tonda | sfera

*Cremone handle  
small "VITRUVIO" on kit  
AC2624 | AC2625  
AC2683 | AC2684  
T | sphere | round*

**ACV 872P.xx**

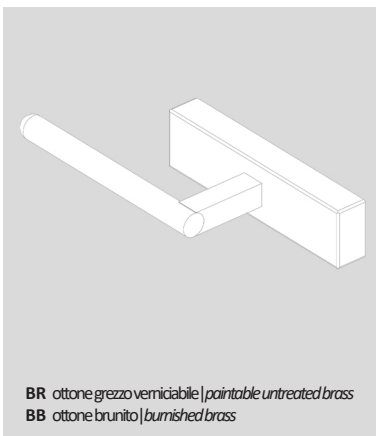
Martellina cremonese  
 "VITRUVIO" medium su kit  
 AGP580  
 L | quadra | tronca

*Cremone handle  
 medium "VITRUVIO" on kit  
 AGP580  
 L | cut | square*

**ACV 873P.xx**

Martellina cremonese  
 "VITRUVIO" medium su kit  
 AGP580  
 L | tonda | tronca

*Cremone handle  
 medium "VITRUVIO" on kit  
 AGP580  
 L | cut | round*

**ACV 874P.xx**

Martellina cremonese  
 "VITRUVIO" medium su kit  
 AGP580  
 L | tonda | sfera

*Cremone handle  
 medium "VITRUVIO" on kit  
 AGP580  
 L | sphere | round*

**GE 1011**

Guarnizione interna vetro  
spessore 4 mm

*Internal weather strip for  
glazing bead  
4 mm thick*

**GE 2645TT**

Guarnizione di battuta  
esterna su profili  
PR2562 | PR2962

*External weather strip  
on profiles  
PR2562 | PR2962*

**GE 2543TT**

Guarnizione di battuta  
interna su profili  
PR2943 | PR2963  
PR2543 | PR2962

*Internal weather strip  
on profiles  
PR2943 | PR2963  
PR2543 | PR2962*

**GP 0095**

Guarnizione interna vetro  
spessore 3mm

*Internal weather strip for  
glazing bead  
3 mm thick*

**GE 2603**

Guarnizione per giunto aperto  
Apertura interna

*Weather strip for open joint  
Inward opening*

**GU 2036**

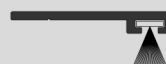
Piattina adesiva morbida  
per fondo giunto esterno vetro  
12x4 mm

*Soft adhesive shim for  
external window joint  
12x4 mm*

**GE 2606**

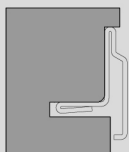
Guarnizione adesiva esterno  
vetro  
vedi pg. 5.1.1

*Adhesive weather strip outer  
window  
see pg. 5.1.2*

**GU 2865**

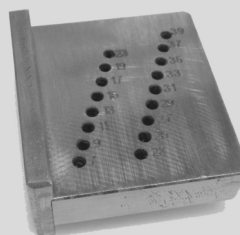
Spazzolino superiore per  
apertura esterna

*Upper brush window seal for  
outward opening*

**AT 2038**

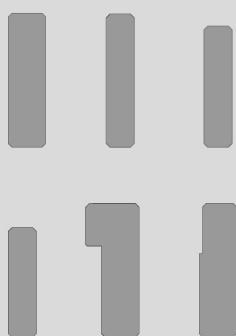
Ganasce di taglio per  
PR2638

*Cutting jaws for  
PR2638*

**AT 2828**

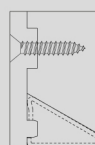
Maschera per esecuzione fori  
fissaggio fermavetri

*Drill jig for glazing beads  
securing*

**AT 2900**

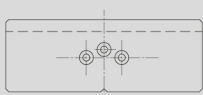
Kit ganasce di taglio

*Kit of cutting jaws for profiles*

**AT 2829**

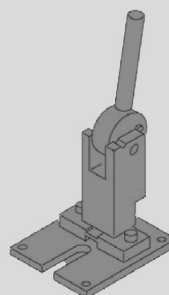
Ganasce di taglio per  
fermavetro PR2629

*Kit of cutting jaws  
for glazing bead PR2629*

**AT 2818**

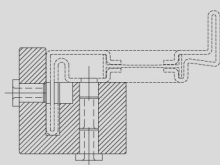
Maschera per esecuzione fori  
per applicazione scarico acqua  
AC2618 - AC2618NE

*Drill jig for AC2618 - AC2618NE  
water drip installation*

**ATG 311**

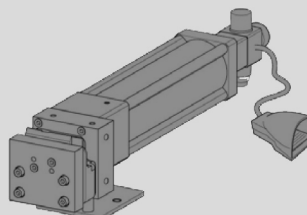
Trancia manuale

*Manual punching machine*

**AT 2825**

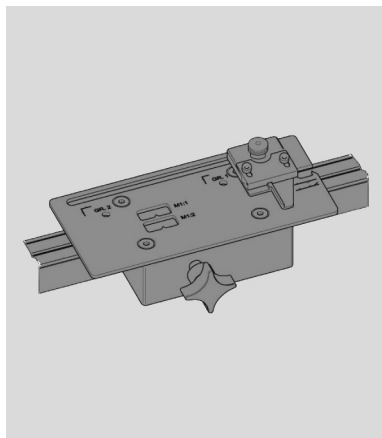
Maschera per applicazione  
cremonese AC2625 e AC2683

*Jig for AC2625 and AC2683  
cremonese bolt installation*

**ATG 312**

Trancia oleopneumatica

*Oil-pneumatic punching  
machine*



### ATG 313

Asta millimetrata per trancia  
oleopneumatica

*Rod divided into millimetres for  
oil-pneumatic punching machine*

**SA 0005.01**

Liquido neritore per brunitura  
1 Kg

*Burnishing liquid*  
1 Kg

**SA 0005.10**

Liquido neritore per brunitura  
10 Kg

*Burnishing liquid*  
10 Kg

**SA 2001**

Spray detergente antimpronta  
per superfici in acciaio inox

*Anti-fingerprint detergent spray*  
for stainless steel surfaces

**SA 0070.10**

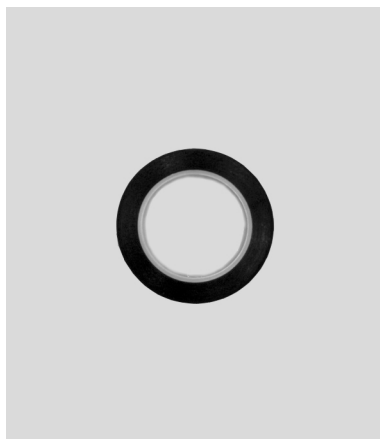
Brunitore per acciaio inox  
1 l

*Burnisher for stainless steel*  
1 l

**SA 2002**

Spray solvente per rimozione  
collanti su superfici in acciaio  
inox

*Solvent adhesive remover spray*  
for stainless steel surfaces

**SA 1024**

Nastro adesivo protettivo per  
verniciatura  
24 mm

*Adhesive tape for painting*  
24 mm

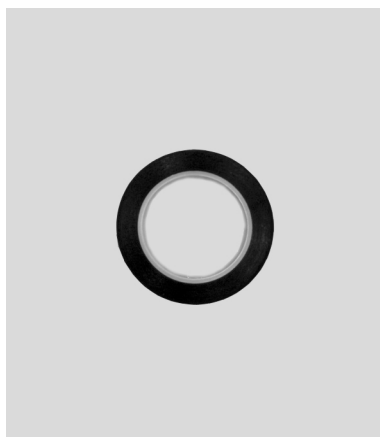
PR25xx

PR2964

**SA 2031**

Liquido deumidificante vetri

*Glass dehumidifying liquid*

**SA 1033**

Nastro adesivo protettivo per  
verniciatura  
33 mm

*Adhesive tape for painting*  
33 mm

PR29xx

**SA 2032**

Primer di adesione per profili  
verniciati

*Adhesion primer for painted  
profiles*



**SA 2033**

Liquido di adesione per  
materiale plastico

*Adhesion liquid for plastic*

**SA 3004**

Cera d'api liquida per finitura  
brunita di ottone e acciaio inox  
5 l

*Liquid beeswax for burnished  
brass and stainless steel  
finishing  
5 l*

**SA 3001**

Acido per ossidazione corten

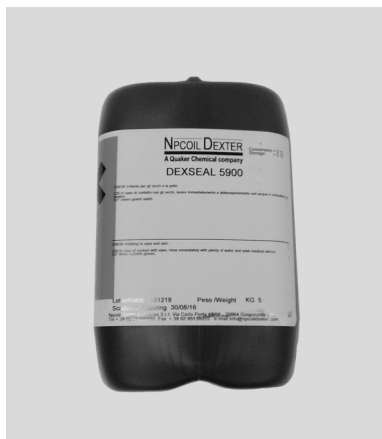
*Oxidising acid for corten*

**SL 0019**

Sigillante a freddo per giunzione  
angoli e traversi

*Cold sealant for corner and  
transom joints*

1 kg

**SA 3002.05**

Passivante per ossidazione corten  
5 kg

*Passivating agent for corten  
5 kg*

**SA 3002.25**

Passivante per ossidazione corten  
25 kg

*Passivating agent for corten  
25 kg*

**SL 0021**

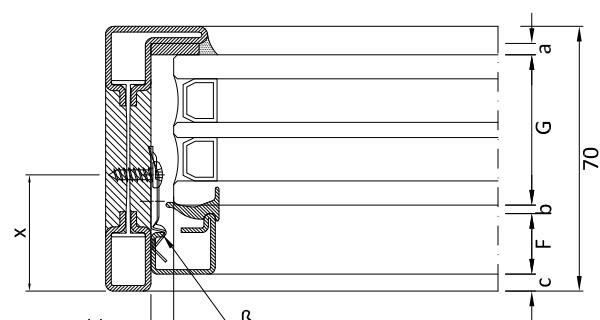
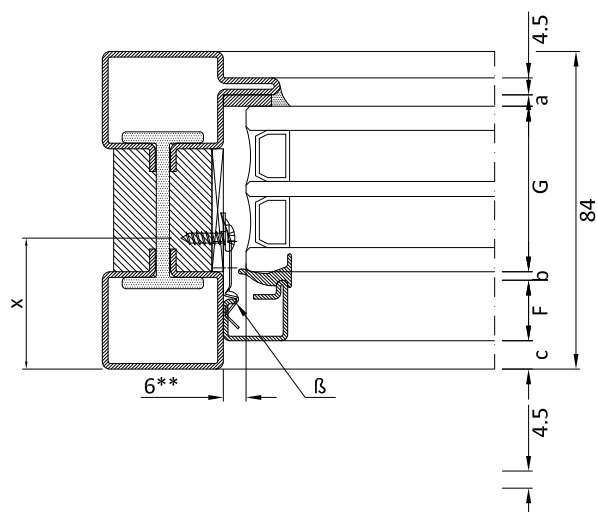
Silicone nero per guarnizioni

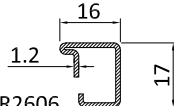
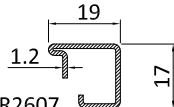
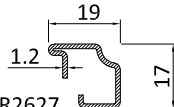
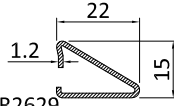
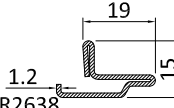
*Black silicone for gaskets*

**SA 3003**

Cera d'api per finitura corten

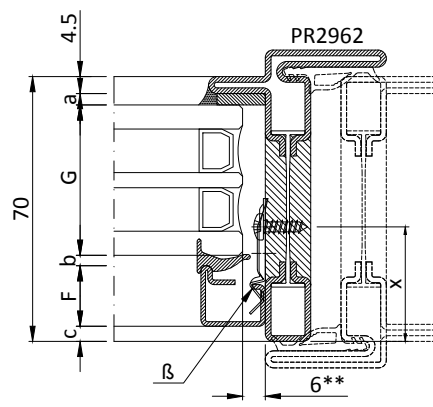
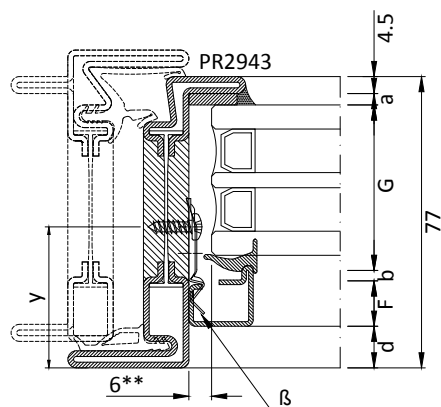
*Beeswax for Corten finishing*



| F                                                                                             | G                                        |                           | Guarnizioni - <i>gasket</i>                                                                                                                 |                                                                                                               |                                                                                   |                                                             |                                                                                |                           |        |
|-----------------------------------------------------------------------------------------------|------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------|--------|
| fermavetro<br><i>glazing beads</i>                                                            | spessore vetro<br><i>glass thickness</i> |                           | GU2036<br><br>3 mm<br><br>+ sigillatura<br>+ <i>seal</i> | GP0095<br><br>2 / 3 mm<br> | asse fissaggio viti<br>fermavetro<br><i>glazing beads</i><br><i>securing axis</i> | rientro<br>fermavetro<br><i>glazing beads</i><br><i>gap</i> | clips fissaggio<br>fermavetro<br><i>glazing beads</i><br><i>securing clips</i> |                           |        |
| codice <i>code</i>                                                                            | mm                                       |                           | a                                                                                                                                           | b                                                                                                             | x                                                                                 |                                                             | c                                                                              |                           | β      |
|                                                                                               | Fisso 84<br><i>Fix 84</i>                | Fisso 70<br><i>Fix 70</i> |                                                                                                                                             |                                                                                                               | Fisso 84<br><i>Fix 84</i>                                                         | Fisso 70<br><i>Fix 70</i>                                   | Fisso 84<br><i>Fix 84</i>                                                      | Fisso 70<br><i>Fix 70</i> |        |
| <br>PR2606 | 35<br>-<br>50                            | 35<br>-<br>43             | 3                                                                                                                                           | 3                                                                                                             | 41<br>-<br>19 *                                                                   | 34<br>-<br>26                                               | 15<br>-<br>0                                                                   | 8<br>-<br>0               | AC2608 |
| <br>PR2607 | 34<br>-<br>47                            | 34<br>-<br>40             |                                                                                                                                             |                                                                                                               | 39<br>-<br>19 *                                                                   | 32<br>-<br>26                                               | 13<br>-<br>0                                                                   | 6<br>-<br>0               | AC2608 |
| <br>PR2627 | 34<br>-<br>47                            | 34<br>-<br>40             |                                                                                                                                             |                                                                                                               | 39<br>-<br>19 *                                                                   | 32<br>-<br>26                                               | 13<br>-<br>0                                                                   | 6<br>-<br>0               | AC2608 |
| <br>PR2629 | 34<br>-<br>44                            | 34<br>-<br>37             |                                                                                                                                             |                                                                                                               | 40 *<br>-<br>37                                                                   | 33 *<br>-<br>37                                             | 10<br>-<br>0                                                                   | 3<br>-<br>0               | AC2608 |
| <br>PR2638 | 35<br>-<br>47                            | 35<br>-<br>40             |                                                                                                                                             |                                                                                                               | 46 *<br>-<br>41                                                                   | 39 *<br>-<br>34 *                                           | 12<br>-<br>0                                                                   | 5<br>-<br>0               | AC2608 |

\* fissare tramite il primo foro della clip  
\* screw in the first hole of the clip

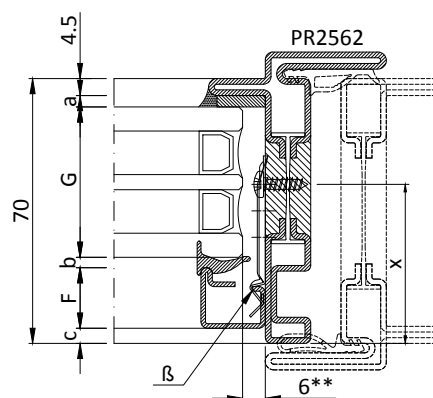
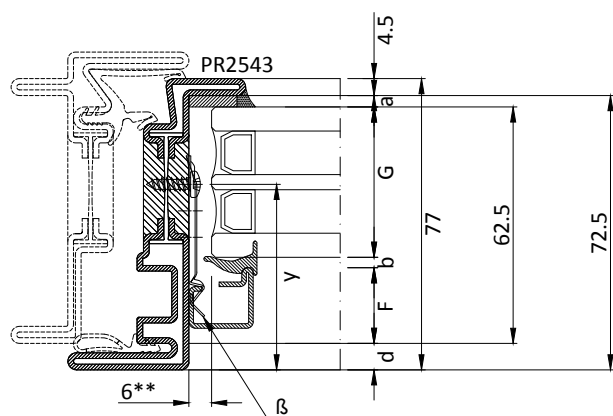
\*\* 7 mm per PR2638  
\*\* 7 mm for PR2638

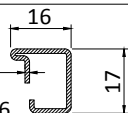
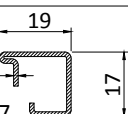
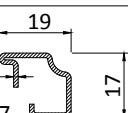
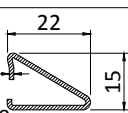
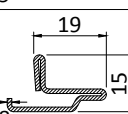


| F                           | G                                 | Guarnizioni - gasket                      |                    |                                                                     |               |                                               |              |                                                                                             |
|-----------------------------|-----------------------------------|-------------------------------------------|--------------------|---------------------------------------------------------------------|---------------|-----------------------------------------------|--------------|---------------------------------------------------------------------------------------------|
| fermavetro<br>glazing beads | spessore vetro<br>glass thickness | GU2036<br>3 mm<br>+ sigillatura<br>+ seal | GP0095<br>2 / 3 mm | asse fissaggio viti<br>fermavetro<br>glazing beads<br>securing axis |               | rientro<br>fermavetro<br>glazing beads<br>gap |              | boccole e viti<br>fissaggio fermavetro<br>Bushings and screws for<br>fixing of glazing bead |
| codice code                 | mm                                | a                                         | b                  | x                                                                   | y             | c                                             | d            | β                                                                                           |
| PR2606<br>                  | 34<br>-<br>43                     | 3                                         | 3                  | 35<br>-<br>26                                                       | 42<br>-<br>33 | 9<br>-<br>0                                   | 16<br>-<br>7 | AC2608                                                                                      |
| PR2607<br>                  | 34<br>-<br>40                     |                                           |                    | 32<br>-<br>26                                                       | 39<br>-<br>33 | 6<br>-<br>0                                   | 13<br>-<br>7 | AC2608                                                                                      |
| PR2627<br>                  | 34<br>-<br>40                     |                                           |                    | 32<br>-<br>26                                                       | 39<br>-<br>33 | 6<br>-<br>0                                   | 13<br>-<br>7 | AC2608                                                                                      |
| PR2629<br>                  | 34<br>-<br>37                     |                                           |                    | 40<br>-<br>37                                                       | 47<br>-<br>44 | 3<br>-<br>0                                   | 10<br>-<br>7 | AC2608                                                                                      |
| PR2638<br>                  | 38<br>-<br>40                     |                                           |                    | 39<br>-<br>41                                                       | 46<br>-<br>48 | 2<br>-<br>0                                   | 9<br>-<br>7  | AC2608                                                                                      |

\*\* 7 mm per PR2638

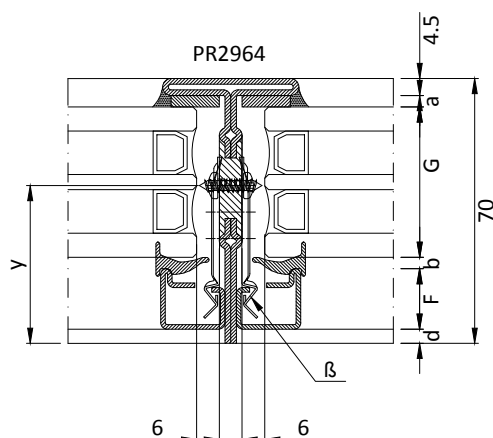
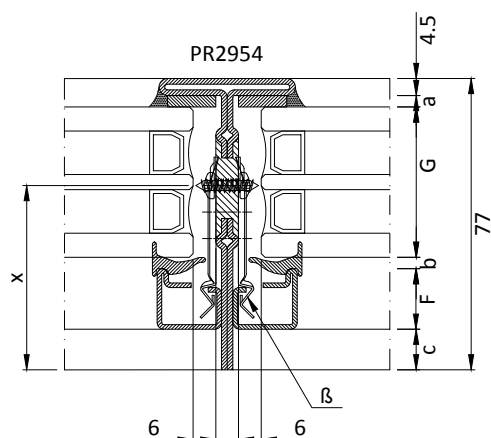
\*\* 7 mm for PR2638

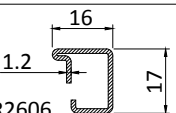
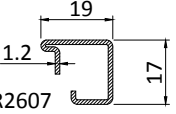
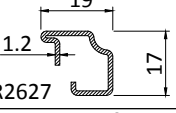
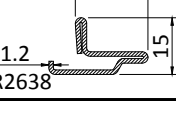


| F                                                                                             | G                                 | Guarnizioni - gasket                      |                    |                                                                     |                |                                               |              |                                                                  |
|-----------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------|--------------------|---------------------------------------------------------------------|----------------|-----------------------------------------------|--------------|------------------------------------------------------------------|
| fermavetro<br>glazing beads                                                                   | spessore vetro<br>glass thickness | GU2036<br>3 mm<br>+ sigillatura<br>+ seal | GP0095<br>2 / 3 mm | asse fissaggio viti<br>fermavetro<br>glazing beads<br>securing axis |                | rientro<br>fermavetro<br>glazing beads<br>gap |              | clips fissaggio<br>fermavetro<br>glazing beads<br>securing clips |
| codice code                                                                                   | mm                                | a                                         | b                  | x                                                                   | y              | c                                             | d            | β                                                                |
| PR2606<br> | 38<br>-<br>43                     | 3                                         | 3                  | 43<br>-<br>38                                                       | 50<br>-<br>45  | 5<br>-<br>0                                   | 12<br>-<br>7 | AC2608AR                                                         |
| PR2607<br> | 35<br>-<br>40                     |                                           |                    | 43<br>-<br>38                                                       | 50<br>-<br>45  | 5<br>-<br>0                                   | 12<br>-<br>7 | AC2608AR                                                         |
| PR2627<br> | 35<br>-<br>40                     |                                           |                    | 43<br>-<br>38                                                       | 50<br>-<br>45  | 5<br>-<br>0                                   | 12<br>-<br>7 | AC2608AR                                                         |
| PR2629<br> | 34<br>-<br>37                     |                                           |                    | 41<br>-<br>38                                                       | 48<br>-<br>45  | 3<br>-<br>0                                   | 10<br>-<br>7 | AC2608                                                           |
| PR2638<br> | 34<br>-<br>40                     |                                           |                    | 41*<br>-<br>42                                                      | 48*<br>-<br>49 | 6<br>-<br>0                                   | 13<br>-<br>7 | AC2608                                                           |

\* fissare tramite il primo foro della clip  
\* screw in the first hole of the clip

\*\* 7 mm per PR2638  
\*\* 7 mm for PR2638



| F                                                                                             | G                                 |                    | Guarnizioni - gasket                      |                    |                                                                     |                 |                                               |              |                                                                                             |
|-----------------------------------------------------------------------------------------------|-----------------------------------|--------------------|-------------------------------------------|--------------------|---------------------------------------------------------------------|-----------------|-----------------------------------------------|--------------|---------------------------------------------------------------------------------------------|
| fermavetro<br>glazing beads                                                                   | spessore vetro<br>glass thickness |                    | GU2036<br>3 mm<br>+ sigillatura<br>+ seal | GP0095<br>2 / 3 mm | asse fissaggio viti<br>fermavetro<br>glazing beads<br>securing axis |                 | rientro<br>fermavetro<br>glazing beads<br>gap |              | boccole e viti<br>fissaggio fermavetro<br>Bushings and screws for<br>fixing of glazing bead |
| codice code                                                                                   | Fisso 77<br>Fix 77                | Fisso 70<br>Fix 70 | a                                         | b                  | x                                                                   | y               | c                                             | d            | β                                                                                           |
| <br>PR2606 | 34<br>-<br>50***                  | 34<br>-<br>43      | 3                                         | 3                  | 54<br>-<br>24                                                       | 48<br>-<br>38   | 16<br>-<br>0                                  | 10<br>-<br>0 | AC2609AR                                                                                    |
| <br>PR2607 | 31<br>-<br>47                     | 31<br>-<br>40      |                                           |                    | 54<br>-<br>24                                                       | 48<br>-<br>38   | 16<br>-<br>0                                  | 10<br>-<br>0 | AC2609AR                                                                                    |
| <br>PR2627 | 31<br>-<br>47                     | 31<br>-<br>40      |                                           |                    | 54<br>-<br>24                                                       | 48<br>-<br>38   | 16<br>-<br>0                                  | 10<br>-<br>0 | AC2609AR                                                                                    |
| <br>PR2638 | 37<br>-<br>47                     | 37<br>-<br>41      |                                           |                    | 50*<br>-<br>47**                                                    | 43*<br>-<br>39* | 10<br>-<br>0                                  | 3<br>-<br>-  | AC2609AR                                                                                    |

\* fissare tramite il primo foro della clip

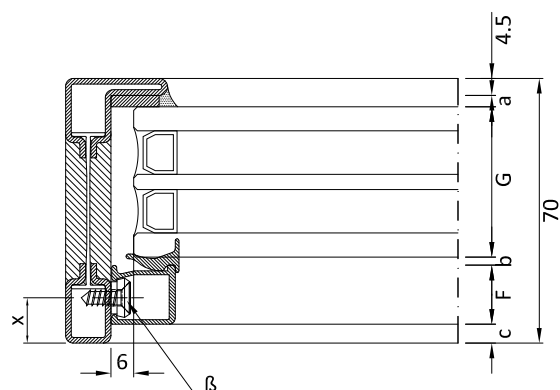
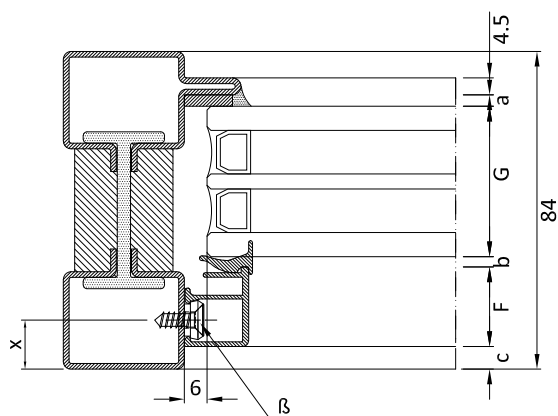
\* screw in the first hole of the clip

\*\* fissare tramite il secondo foro della clip

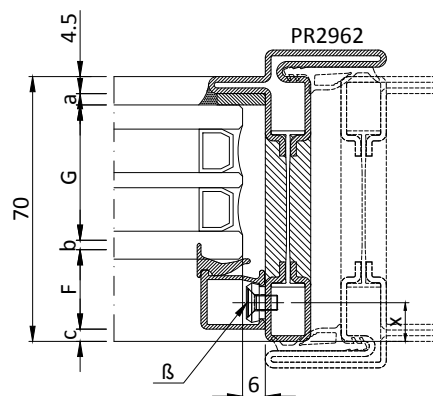
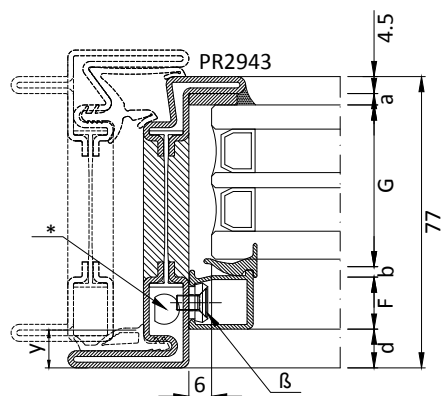
\*\* screw in the second hole of the clip

\*\*\* da 47 a 50 mm fissare tramite il primo foro della clip con rondella di spessoramento da 1 mm

\*\*\* from 47 to 50 mm fix through the first hole of the clip with shim washer of 1 mm



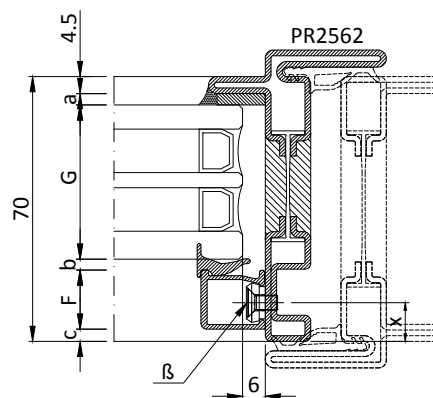
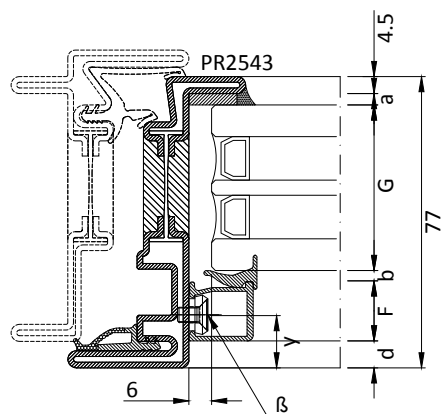
| F                           | G                                 |                    | Guarnizioni - gasket                      |                    |                                                                     |                                               |                    |                                                                                             |
|-----------------------------|-----------------------------------|--------------------|-------------------------------------------|--------------------|---------------------------------------------------------------------|-----------------------------------------------|--------------------|---------------------------------------------------------------------------------------------|
| fermavetro<br>glazing beads | spessore vetro<br>glass thickness |                    | GU2036<br>3 mm<br>+ sigillatura<br>+ seal | GP0095<br>2 / 3 mm | asse fissaggio viti<br>fermavetro<br>glazing beads<br>securing axis | rientro<br>fermavetro<br>glazing beads<br>gap |                    | boccole e viti<br>fissaggio fermavetro<br>Bushings and screws for<br>fixing of glazing bead |
| codice code                 | mm                                |                    | a                                         | b                  | x                                                                   |                                               | c                  |                                                                                             |
|                             | Fisso 84<br>Fix 84                | Fisso 70<br>Fix 70 |                                           |                    | Fisso 84<br>Fix 84                                                  | Fisso 70<br>Fix 70                            | Fisso 84<br>Fix 84 | Fisso 70<br>Fix 70                                                                          |
| PA2606<br>                  | 38<br>-<br>51                     | 38<br>-<br>44      | 3                                         | 3                  | 20<br>-<br>7                                                        | 13<br>-<br>7                                  | 13<br>-<br>0       | 6<br>-<br>0                                                                                 |
| PA2607<br>                  | 34<br>-<br>45                     | 32<br>-<br>38      |                                           |                    | 18<br>-<br>7                                                        | 13<br>-<br>7                                  | 11<br>-<br>0       | 6<br>-<br>0                                                                                 |
| PA2608<br>                  | 28<br>-<br>39                     | --                 |                                           |                    | 18<br>-<br>7                                                        | --                                            | 11<br>-<br>0       | --                                                                                          |
|                             |                                   |                    |                                           |                    |                                                                     |                                               |                    | CV1023(i)<br>CV5012(i)                                                                      |
|                             |                                   |                    |                                           |                    |                                                                     |                                               |                    | CV1023(i)<br>CV5012(i)                                                                      |
|                             |                                   |                    |                                           |                    |                                                                     |                                               |                    | CV1023(i)<br>CV5012(i)                                                                      |



| F                           | G                                 | Guarnizioni - gasket                      |                    |                                                                     |               |                                               |              |                                                                                             |
|-----------------------------|-----------------------------------|-------------------------------------------|--------------------|---------------------------------------------------------------------|---------------|-----------------------------------------------|--------------|---------------------------------------------------------------------------------------------|
| fermavetro<br>glazing beads | spessore vetro<br>glass thickness | GU2036<br>3 mm<br>+ sigillatura<br>+ seal | GP0095<br>2 / 3 mm | asse fissaggio viti<br>fermavetro<br>glazing beads<br>securing axis |               | rientro<br>fermavetro<br>glazing beads<br>gap |              | boccole e viti<br>fissaggio fermavetro<br>Bushings and screws for<br>fixing of glazing bead |
| codice code                 | mm                                | a                                         | b                  | x                                                                   | y             | c                                             | d            | β                                                                                           |
| PA2606<br>                  | 40<br>-<br>44                     | 3                                         | 3                  | 11<br>-<br>7                                                        | 18<br>-<br>14 | 4<br>-<br>0                                   | 11<br>-<br>7 | CV1243(i)<br>CV5012(i)                                                                      |
| PA2607<br>                  | 34<br>-<br>38                     |                                           |                    | 11<br>-<br>7                                                        | 18<br>-<br>14 | 4<br>-<br>0                                   | 11<br>-<br>7 | CV1243(i)<br>CV5012(i)                                                                      |
| PA2608<br>                  | 32                                |                                           |                    | 7                                                                   | 14            | 0                                             | 7            | CV1243(i)<br>CV5012(i)                                                                      |

\* Fare attenzione al fissaggio fermavetro in prossimità kit cremonese - vedi pg. 2.9.9

\* Pay attention fixing the screw near cremonese set - see pg. 2.9.9



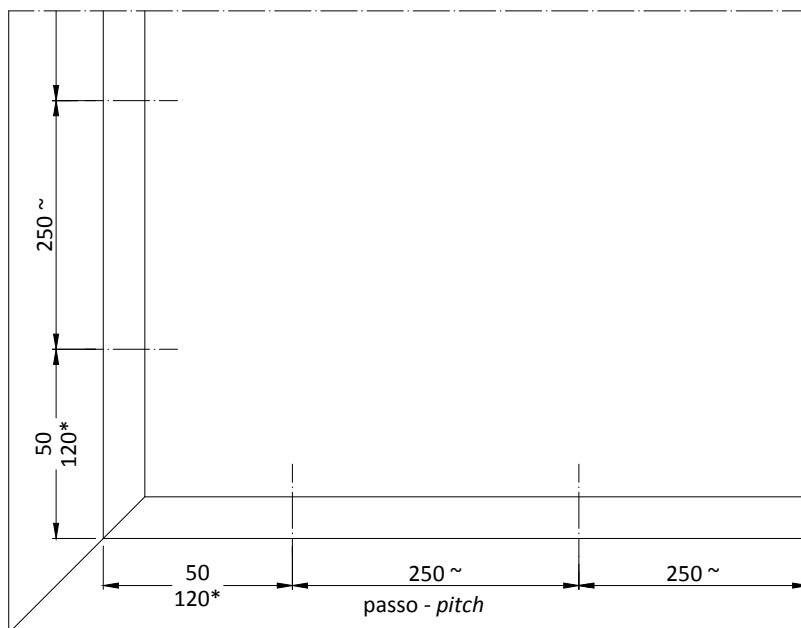
| F                           | G                                 | Guarnizioni - gasket                      |                    |                                                                     |                 |                                               |                |                                                                  |
|-----------------------------|-----------------------------------|-------------------------------------------|--------------------|---------------------------------------------------------------------|-----------------|-----------------------------------------------|----------------|------------------------------------------------------------------|
| fermavetro<br>glazing beads | spessore vetro<br>glass thickness | GU2036<br>3 mm<br>+ sigillatura<br>+ seal | GP0095<br>2 / 3 mm | asse fissaggio viti<br>fermavetro<br>glazing beads<br>securing axis |                 | rientro<br>fermavetro<br>glazing beads<br>gap |                | clips fissaggio<br>fermavetro<br>glazing beads<br>securing clips |
| codice code                 | mm                                | a                                         | b                  | x                                                                   | y               | c                                             | d              | β                                                                |
| PA2606<br>                  | 39<br>-<br>44                     | 3                                         | 3                  | 12<br>-<br>7                                                        | 18.5<br>-<br>14 | 4.5<br>-<br>0                                 | 11.5<br>-<br>7 | CV1243(i)<br>CV5012(i)                                           |
| PA2607<br>                  | 34<br>-<br>38                     |                                           |                    | 11.5<br>-<br>7,5                                                    | 18.5<br>-<br>14 | 4.5<br>-<br>0                                 | 11.5<br>-<br>7 | CV1243(i)<br>CV5012(i)                                           |
| PA2608<br>                  | 28<br>-<br>32                     |                                           |                    | 11.5<br>-<br>7,5                                                    | 18.5<br>-<br>14 | 4.5<br>-<br>0                                 | 11.5<br>-<br>7 | CV1243(i)<br>CV5012(i)                                           |

\* Fare attenzione al fissaggio fermavetro in prossimità kit cremonese - vedi pg. 2.9.9

\* Pay attention fixing the screw near cremone set - see pg. 2.9.9

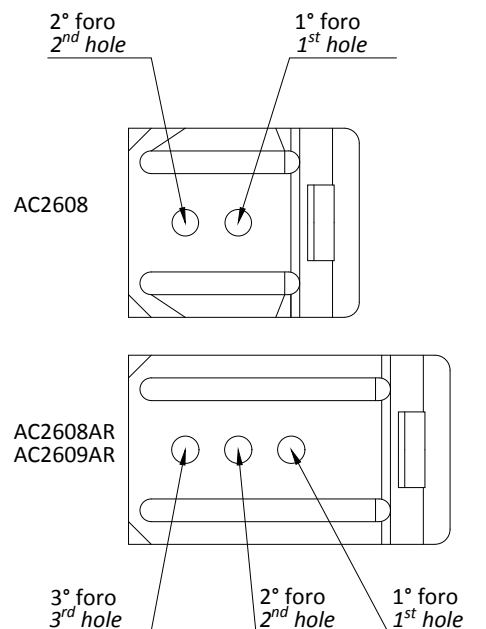


Fissaggio fermavetri PR2606 - PR2607 - PR2627 - PR2629: clip AC2608/AC2609 con vite TC 3.5 x 9.5 (non fornite)  
*Glazing beads fixing PR2606 - PR2607 - PR2627 - PR2629: clip AC2608 /AC2609 with screw TC 3.5 x 9.5 (not included)*

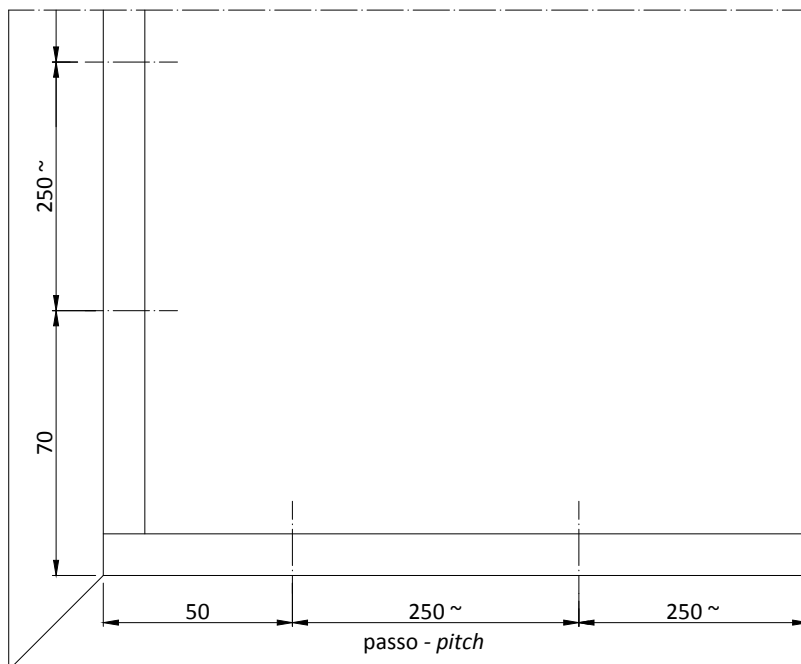


Passo clips fissaggio fermavetri  
*Clip pitch for glazing beads securing*

\*Per serramenti tipo B - pivot orizzontale  
*\*for windows type B - horizontal pivot*

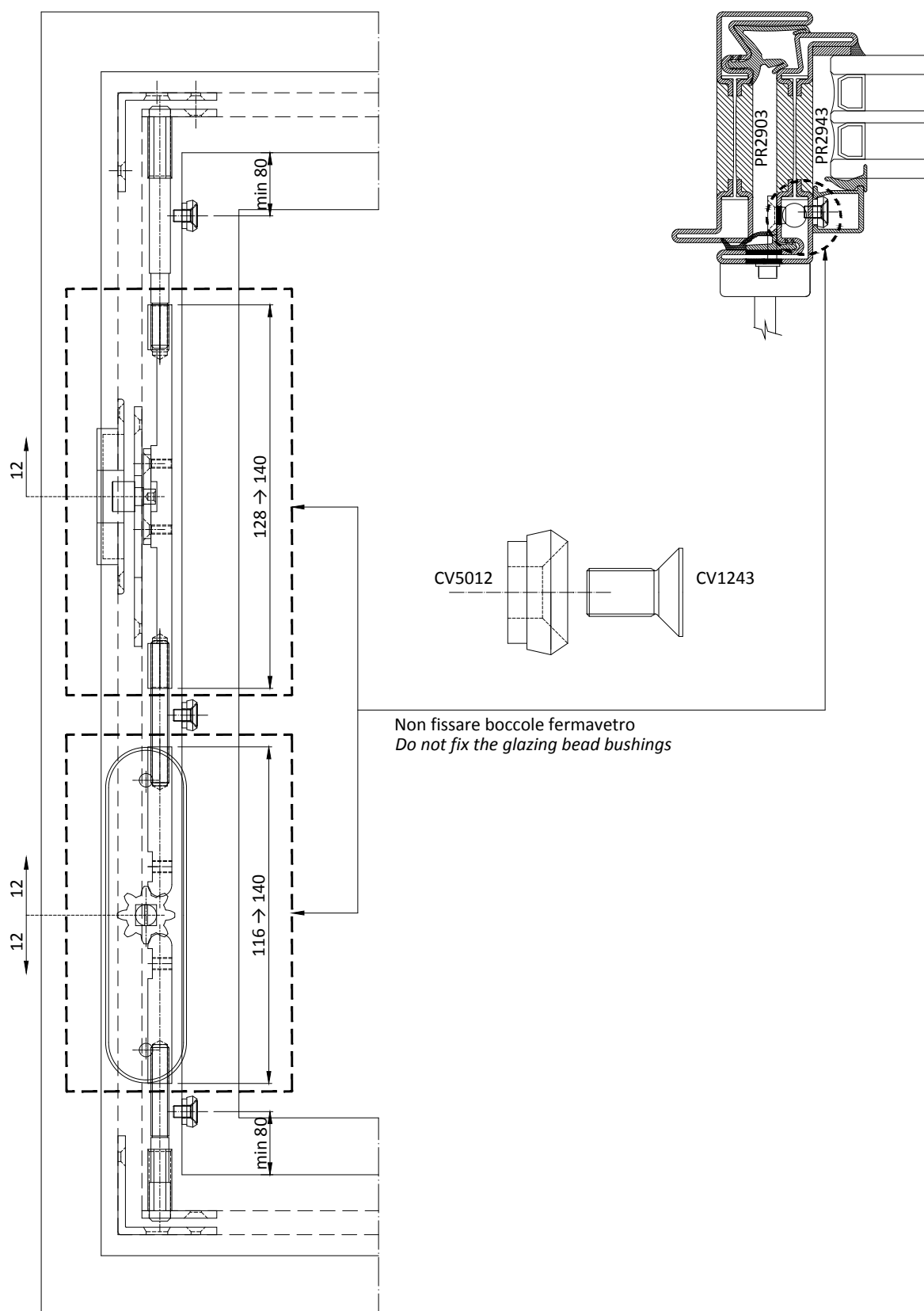


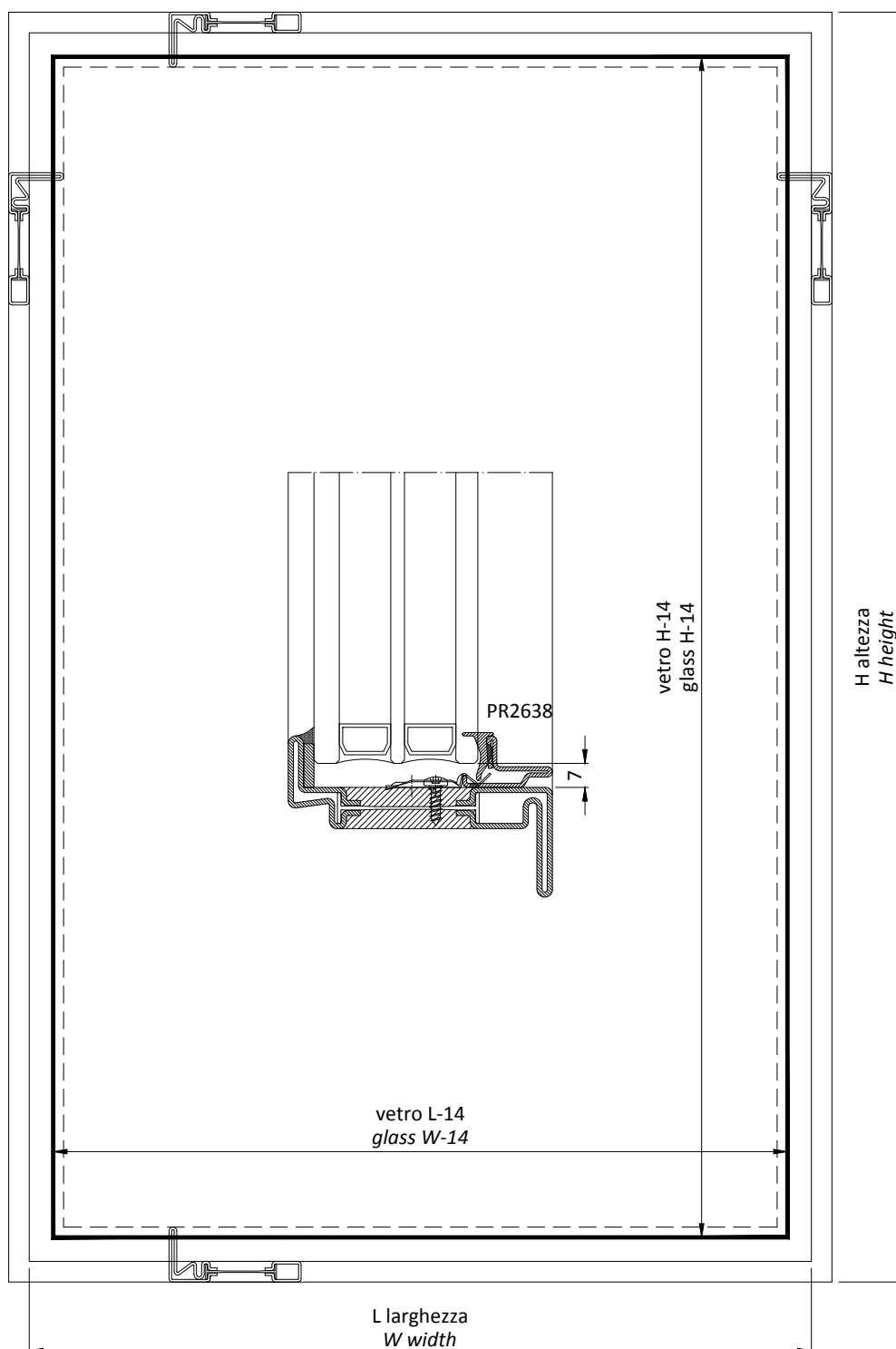
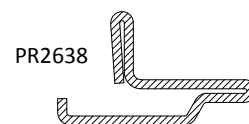
Fissaggio fermavetri PA2607 - PA2608: profili telaio vite CV1023(I) TPS 4,2 x 13 e boccola CV5012(I)  
 Profili anta vite CV1243(I) TPS M4 x 8 e boccola CV5012(I).  
*Glazing bead fixing PA2607 - PA2608: frame profile screw CV1023(I) TPS 4,2 x 13 and bushing CV5012(I)*  
*Leaf profile screw CV1243(I) TPS M4 x 8 M4 x 8 and bushing CV5012(I).*

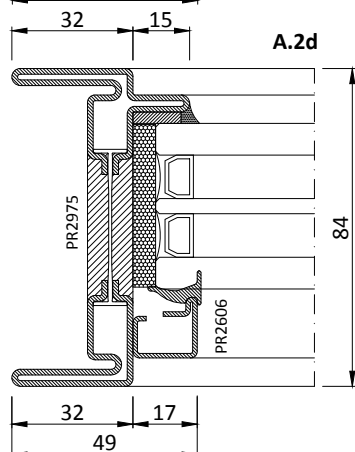
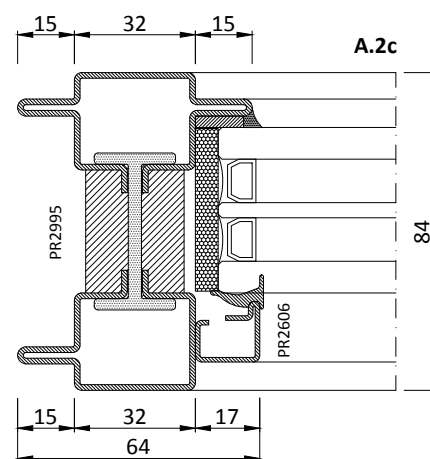
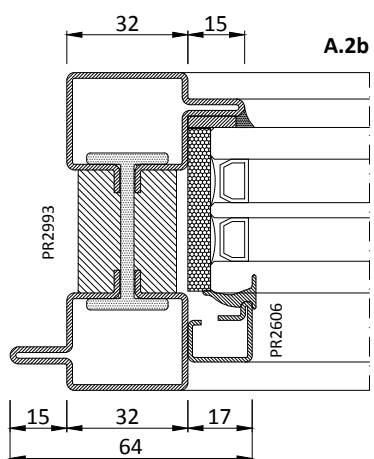
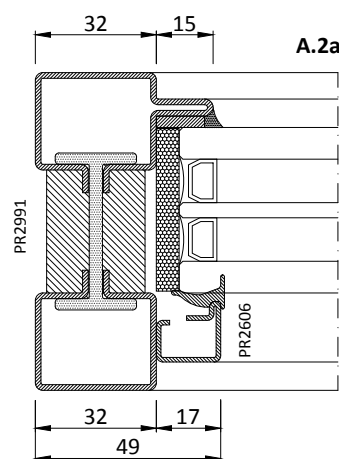
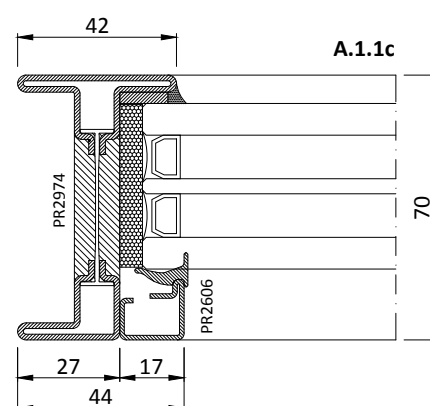
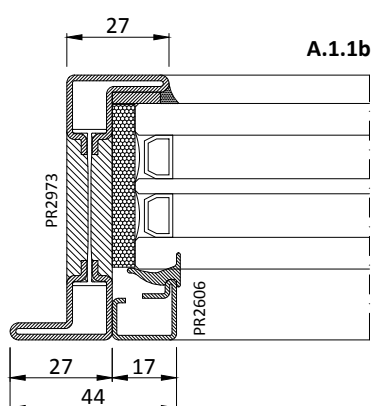
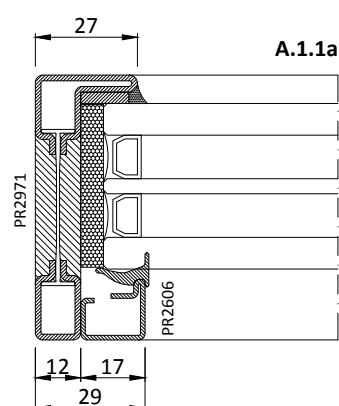
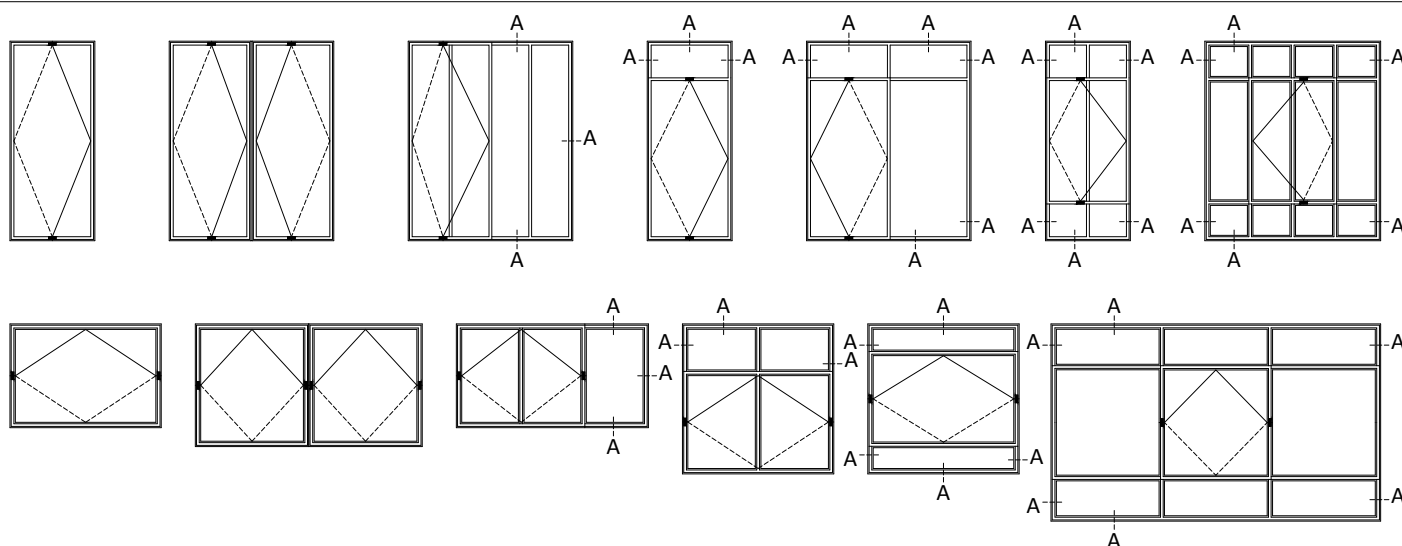


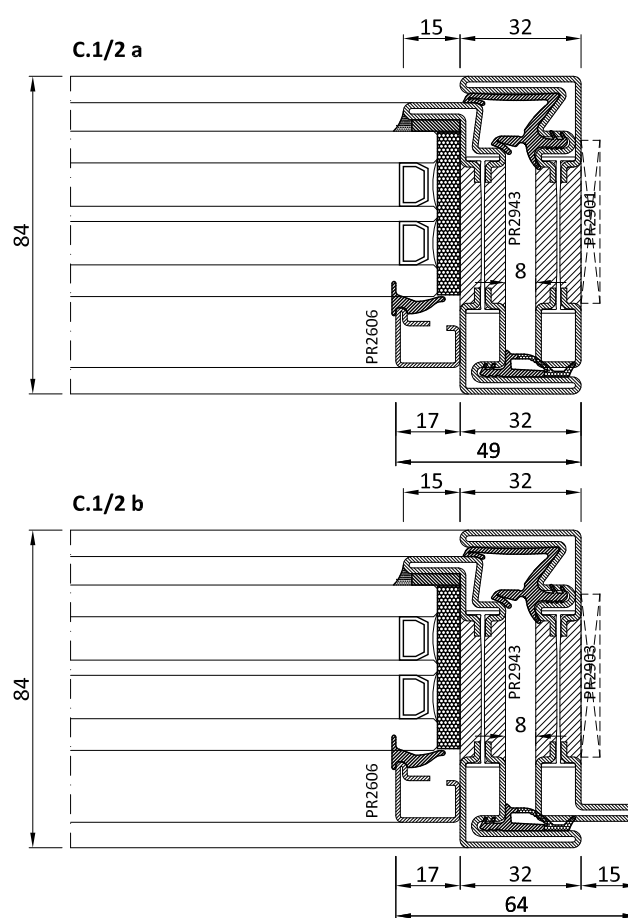
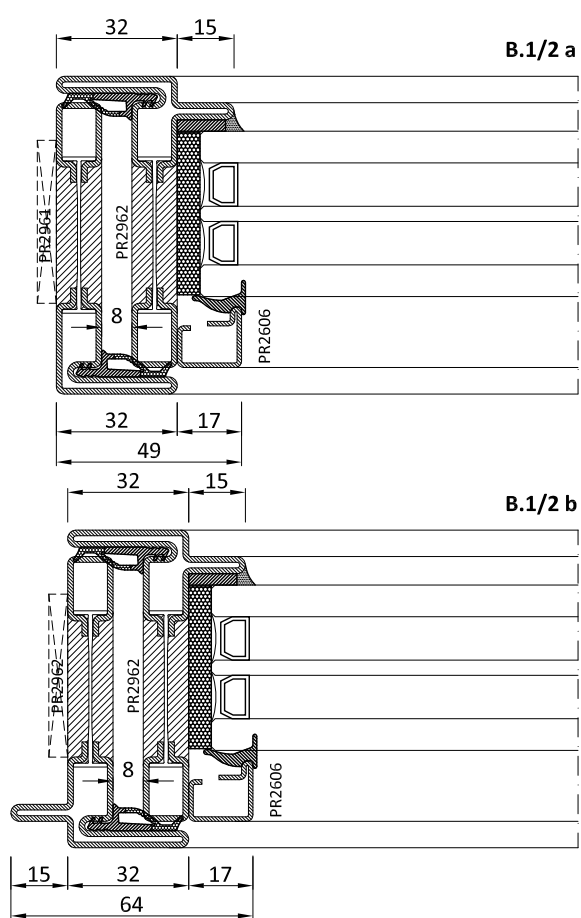
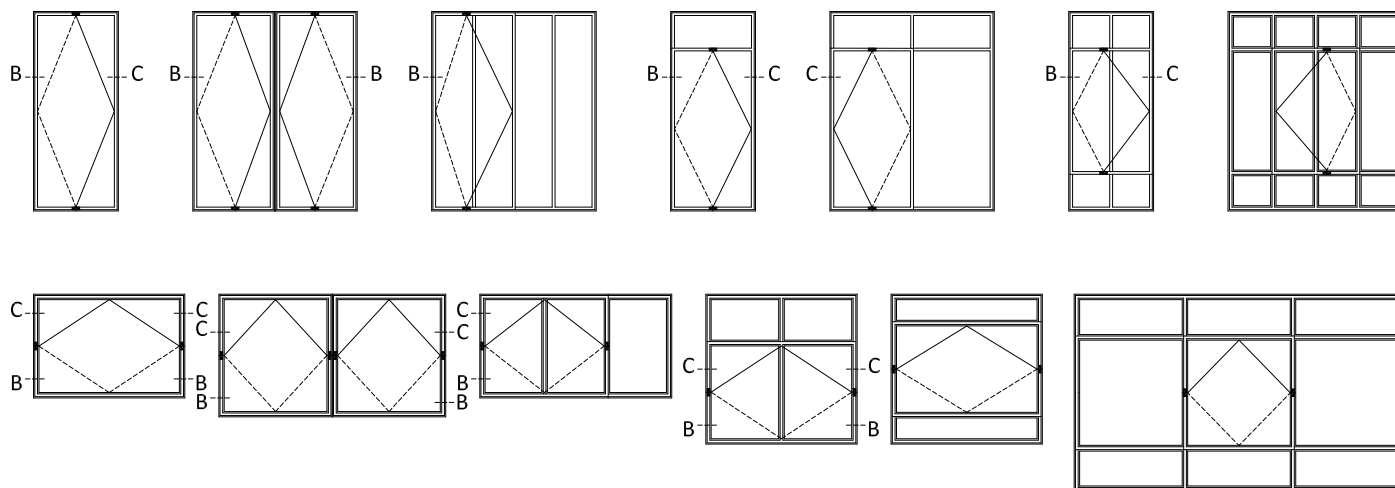
Passo vite e boccola fissaggio fermavetri  
*Screw and bushing pitch for glazing beads fixing*

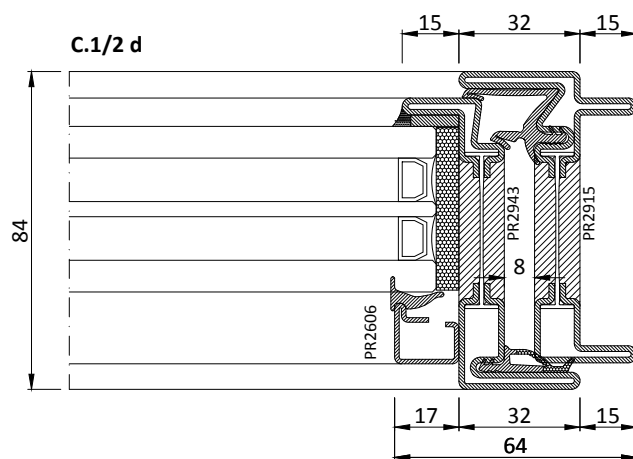
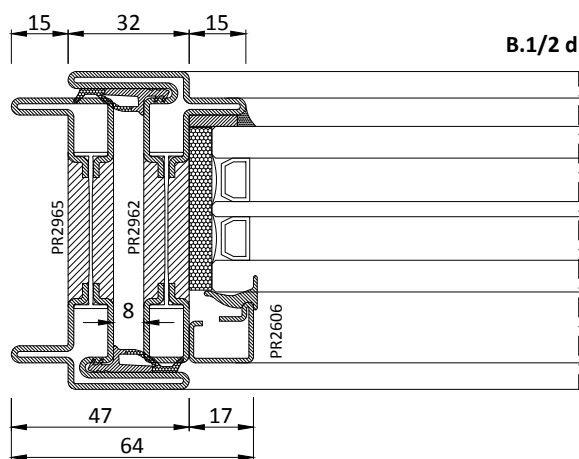
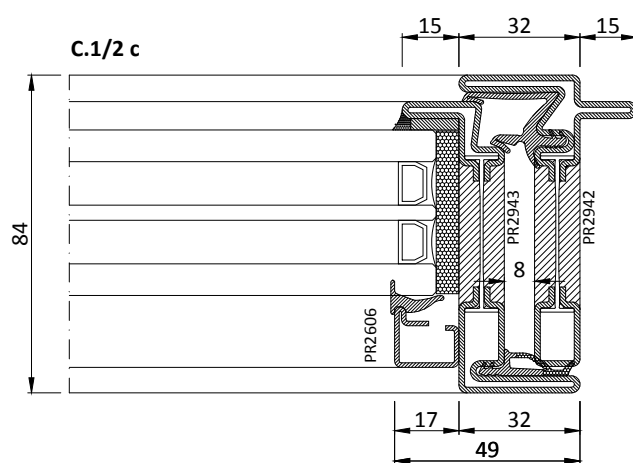
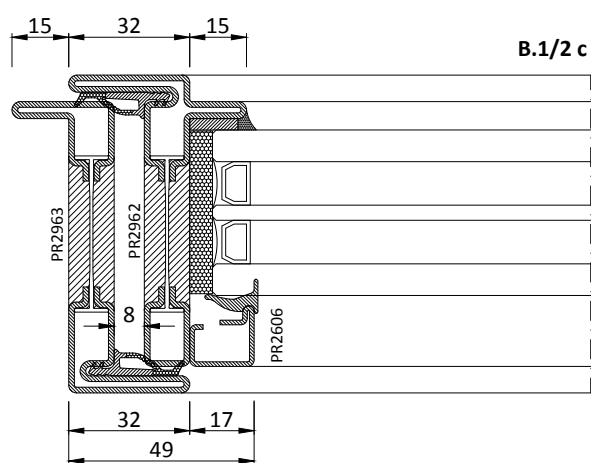
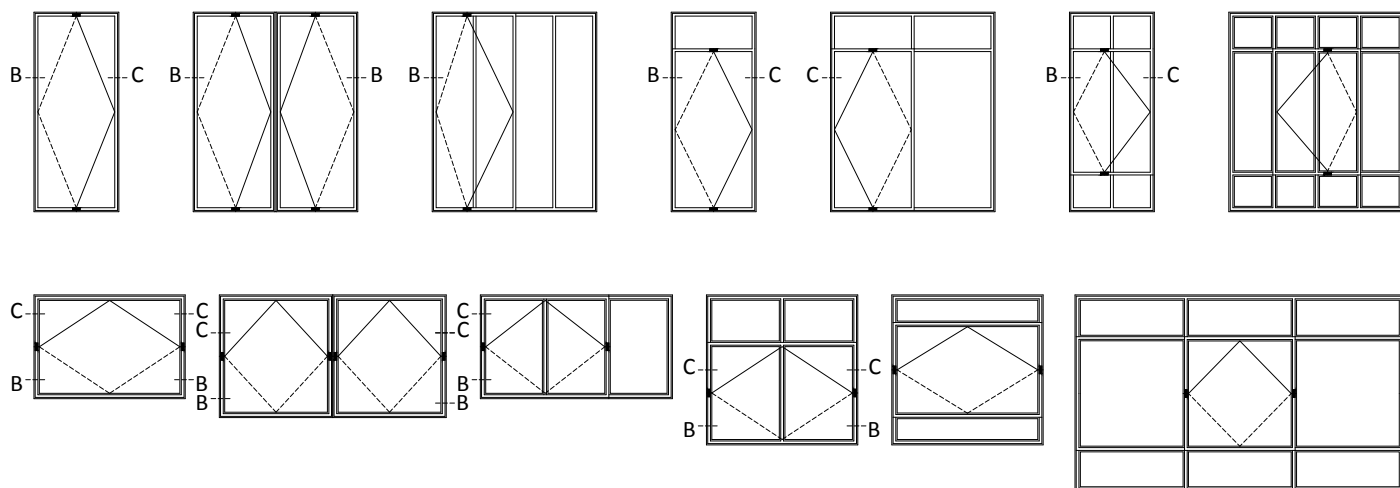
Boccole fissaggio fermavetri in alluminio  
Bushing fixing for aluminium glazing beads

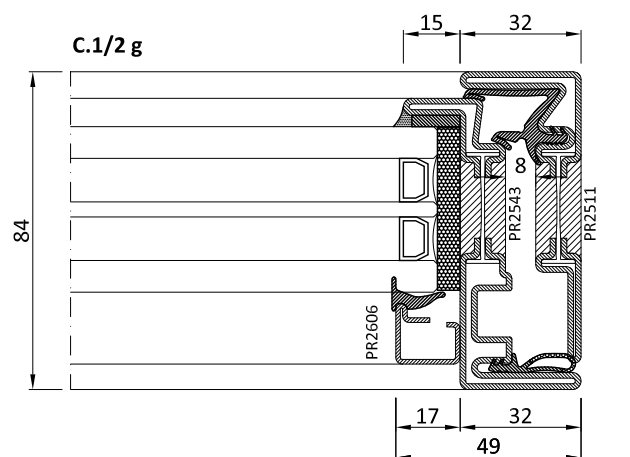
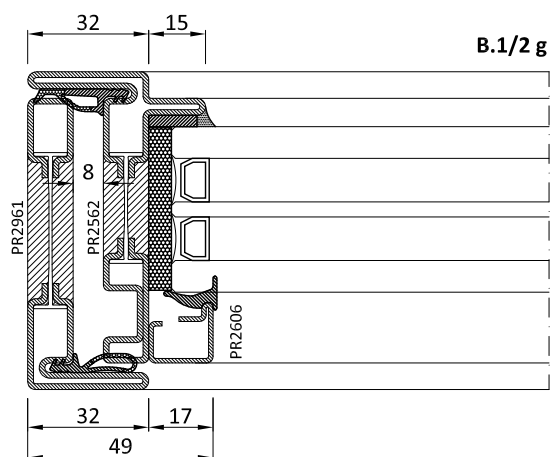
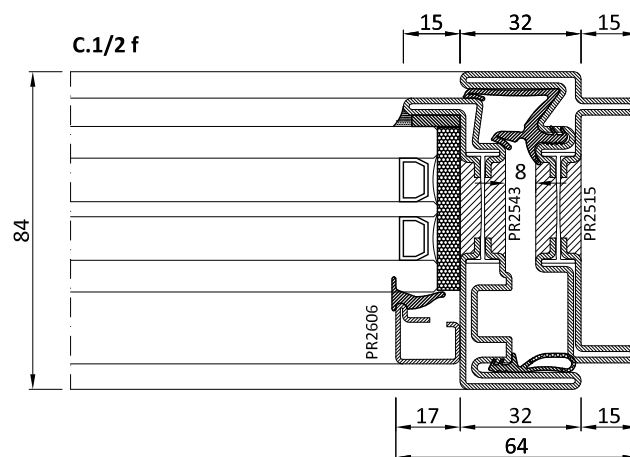
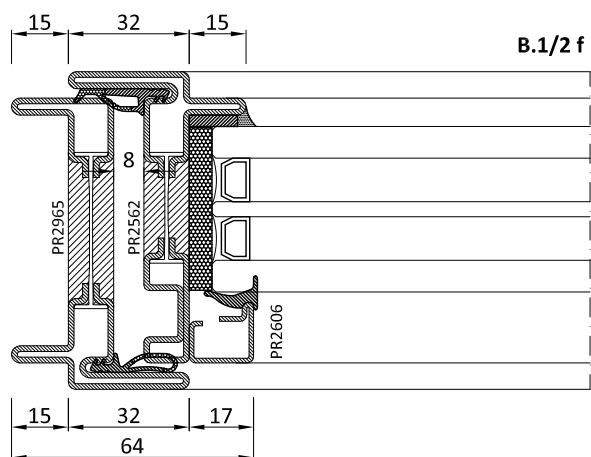
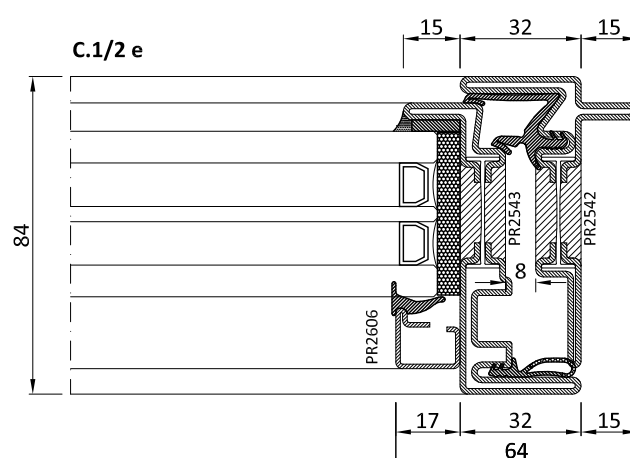
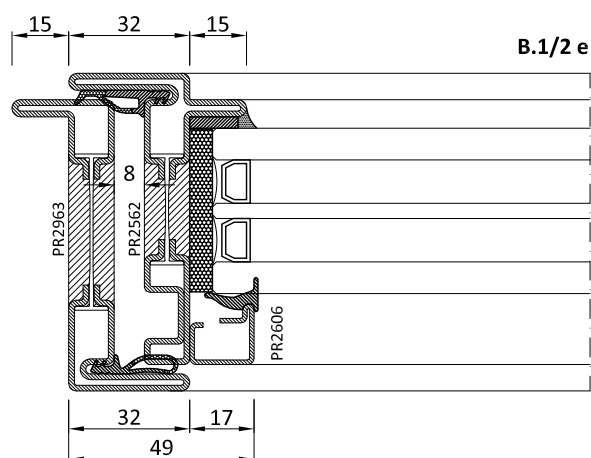
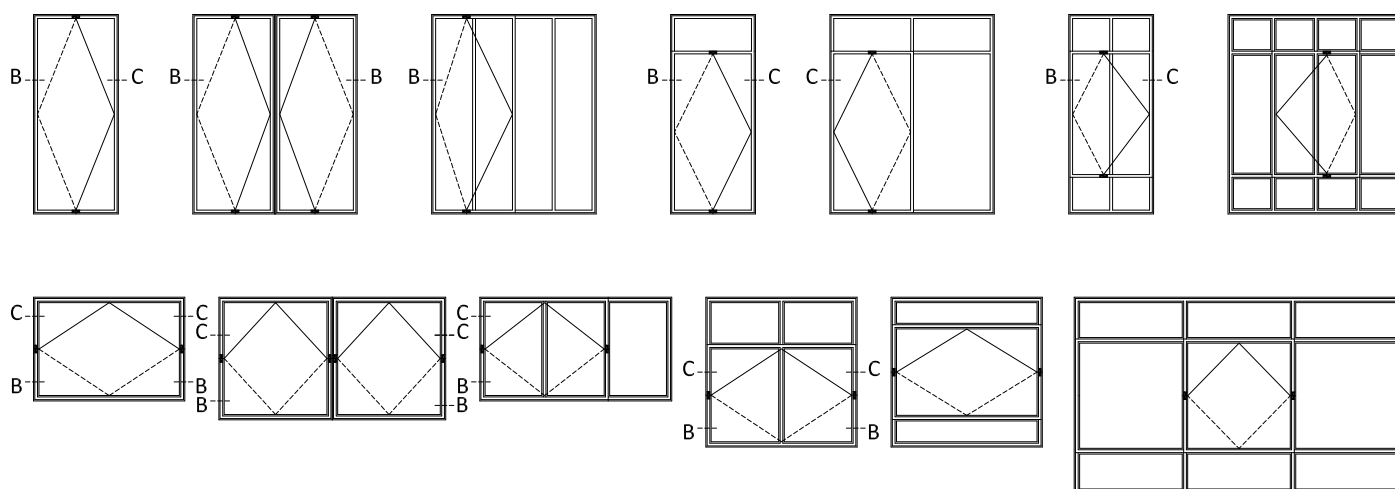


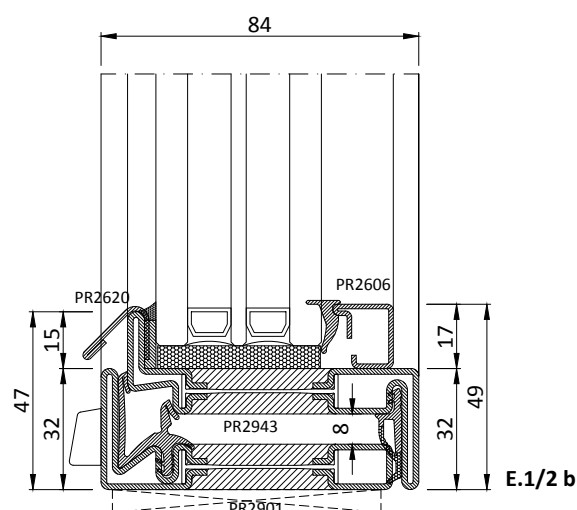
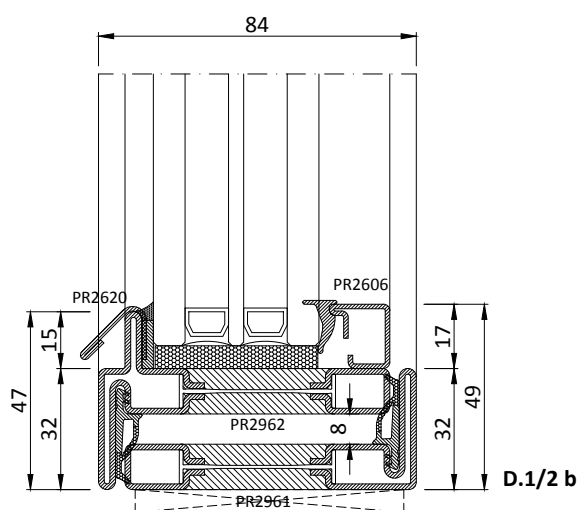
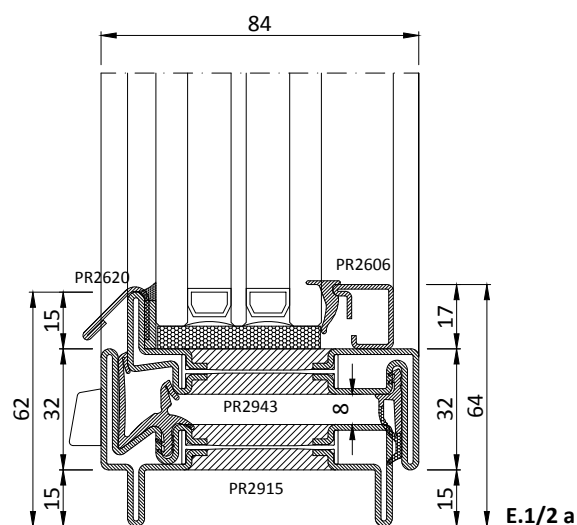
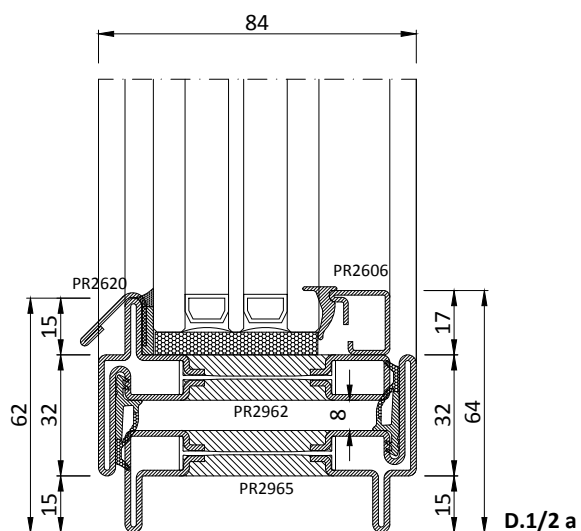
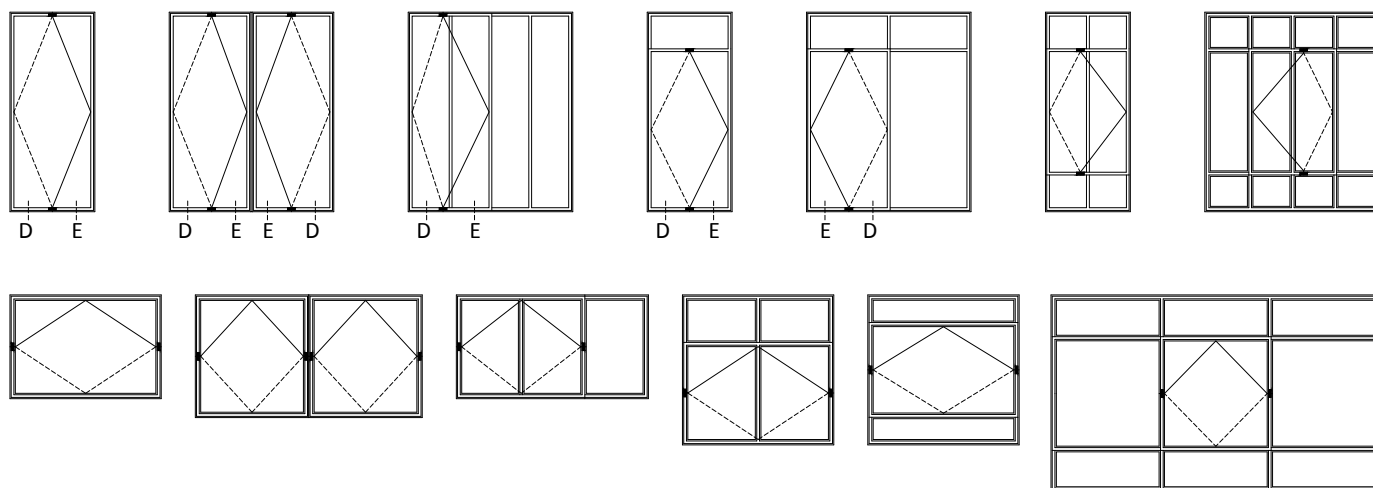




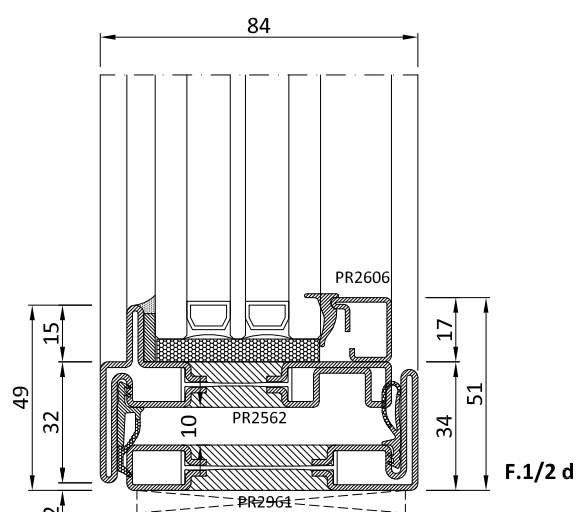
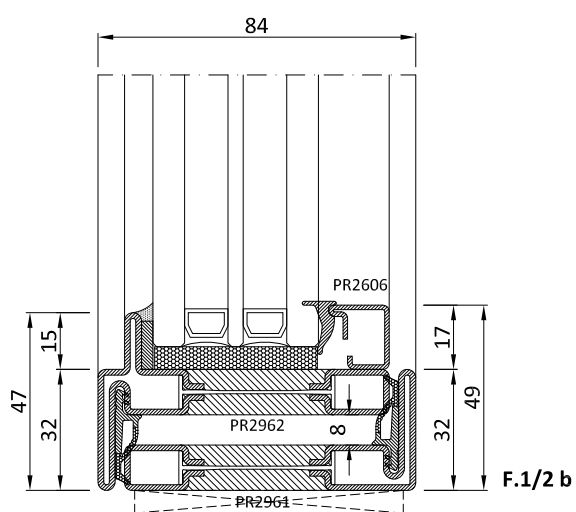
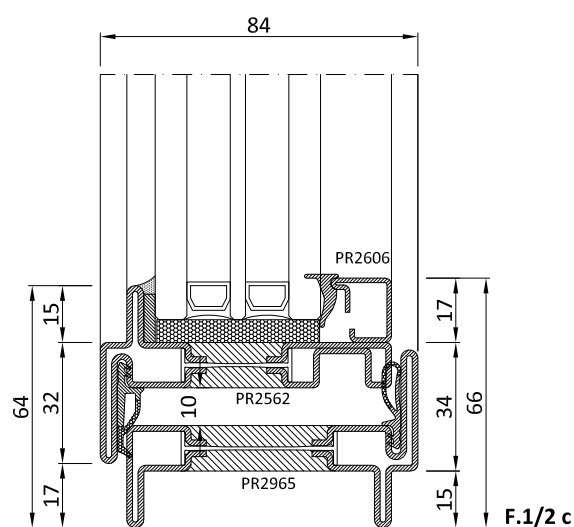
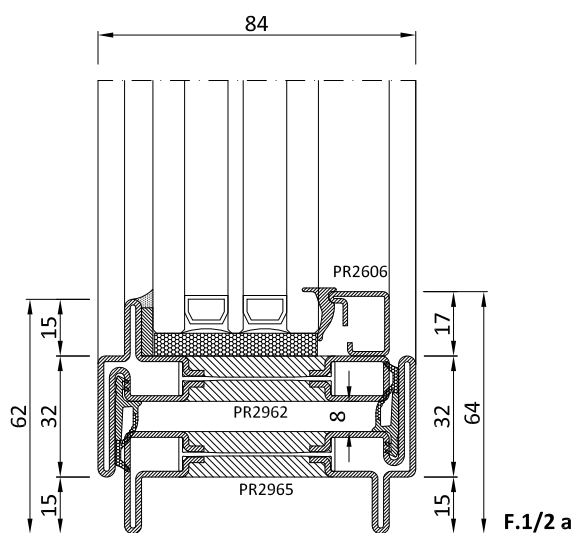
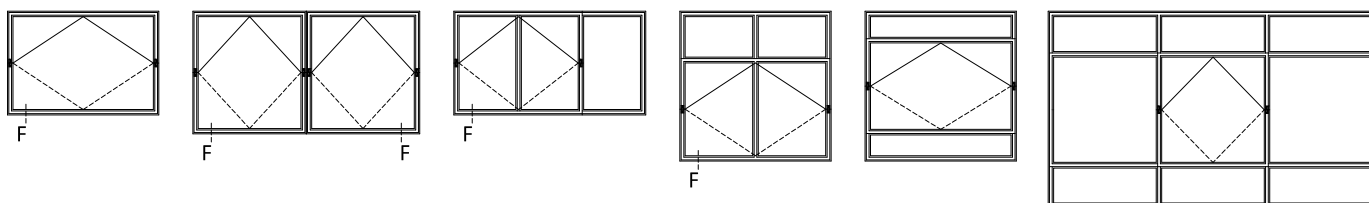
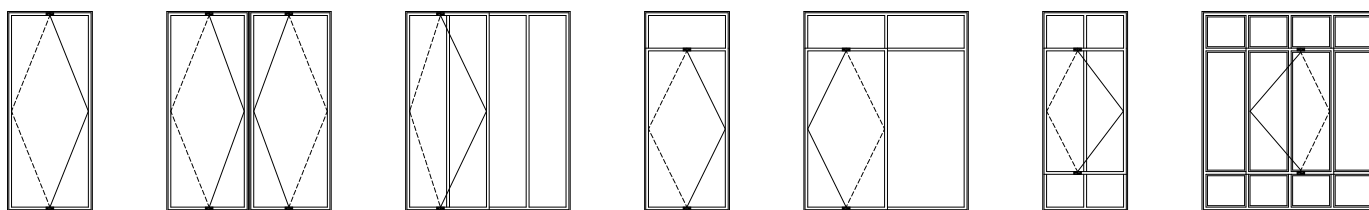


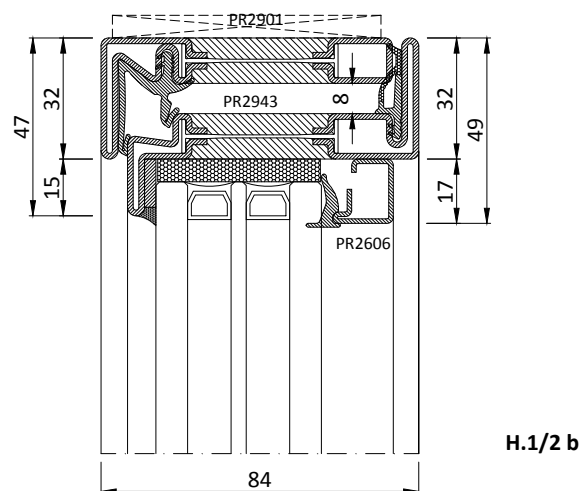
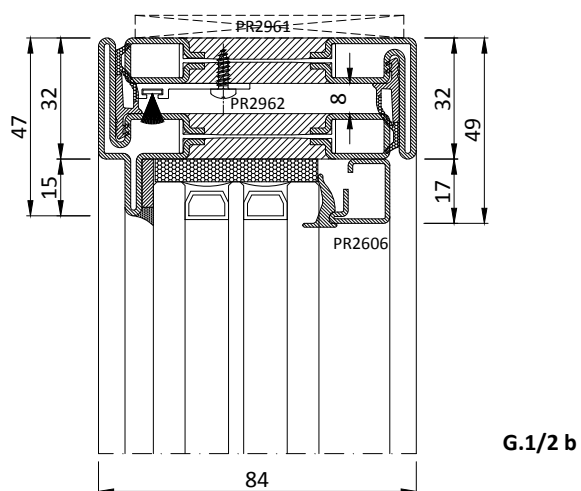
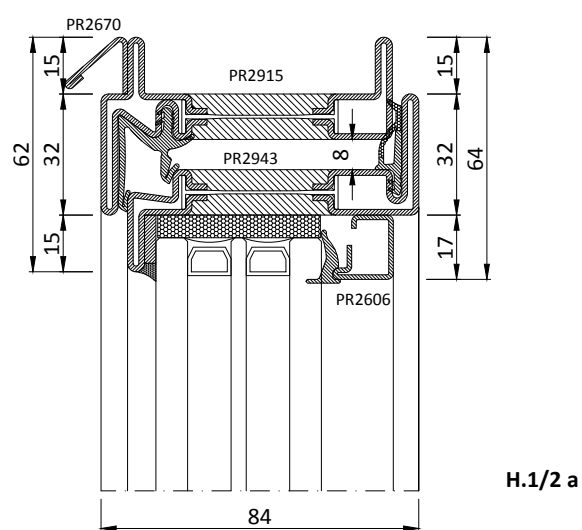
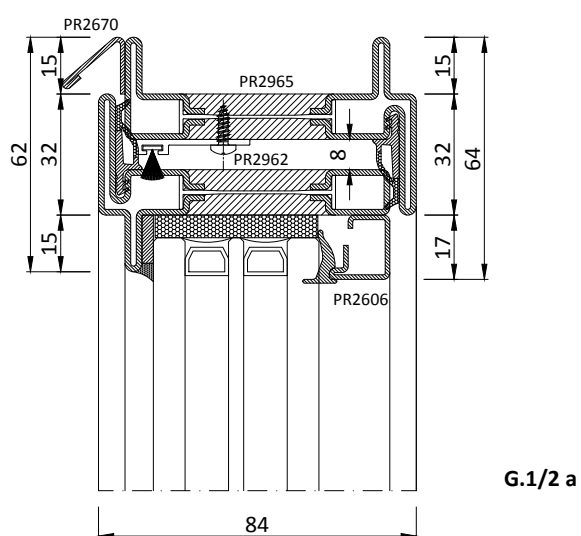
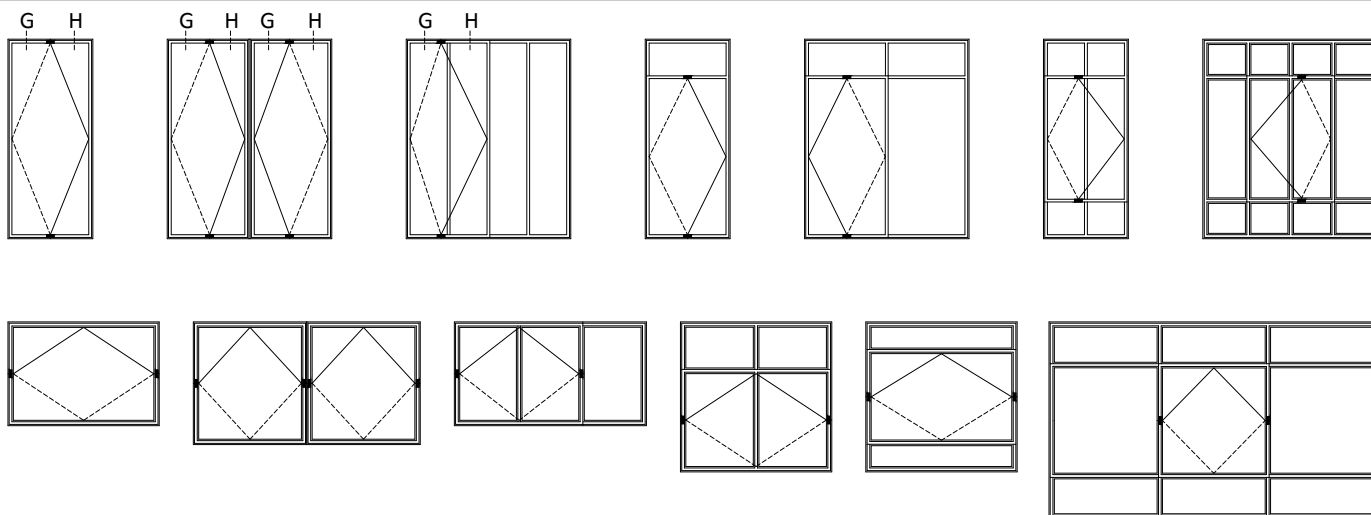


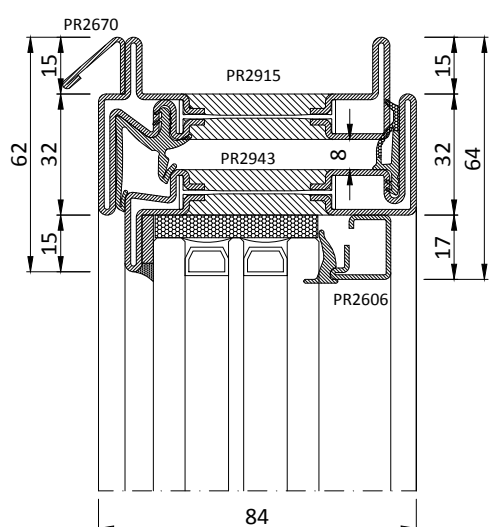
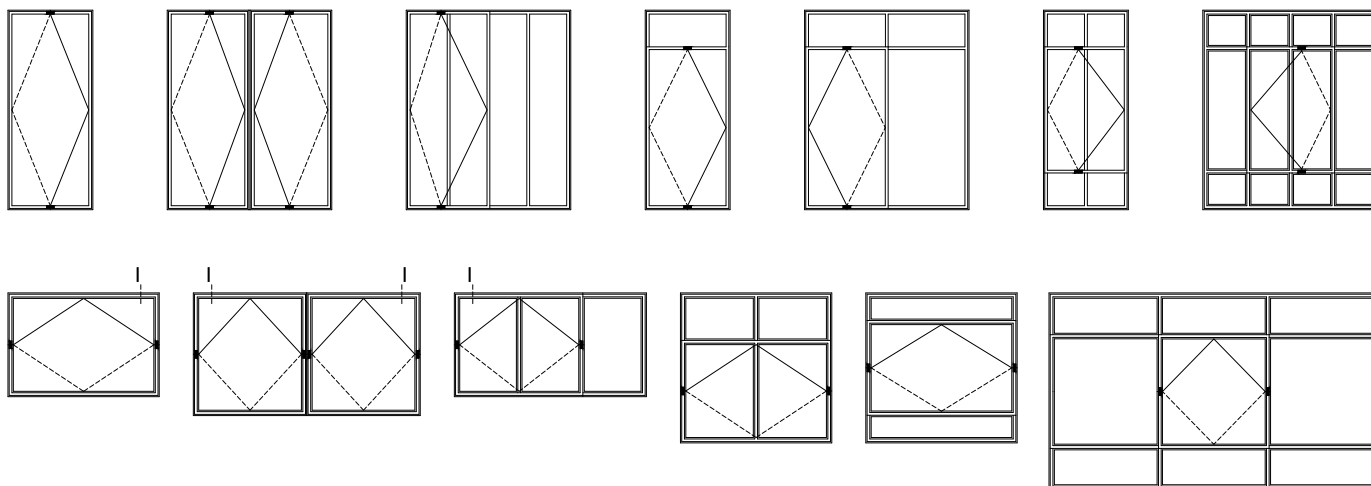




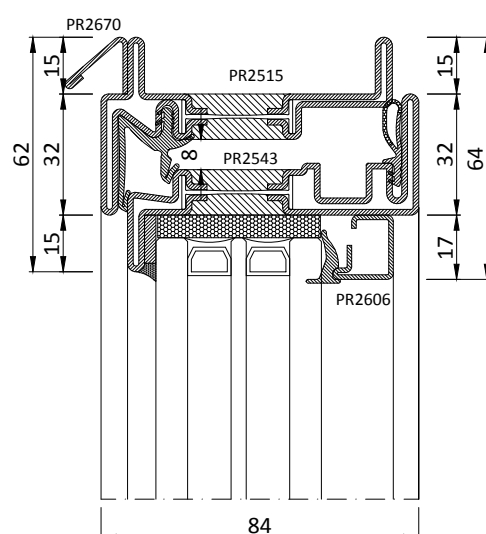




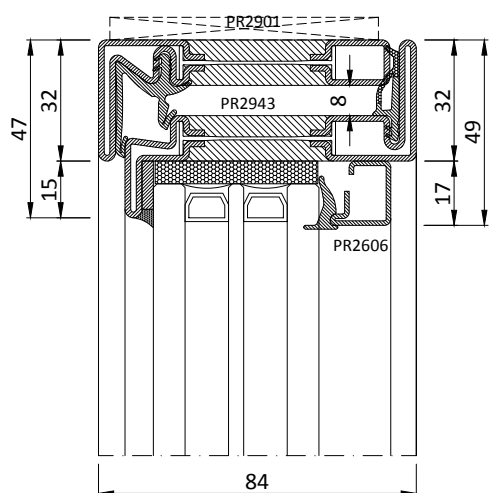




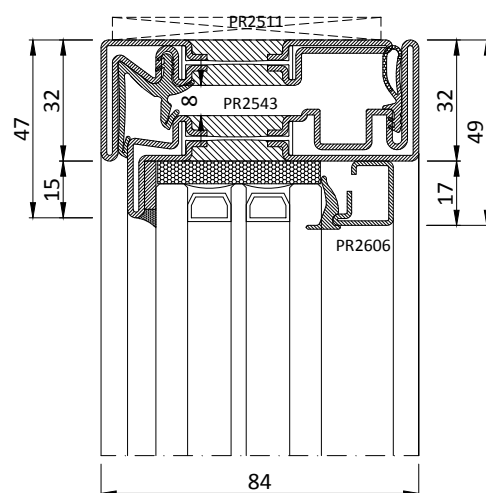
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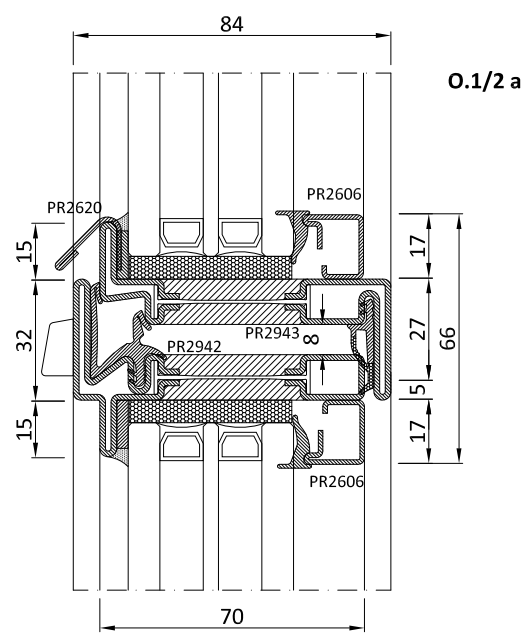
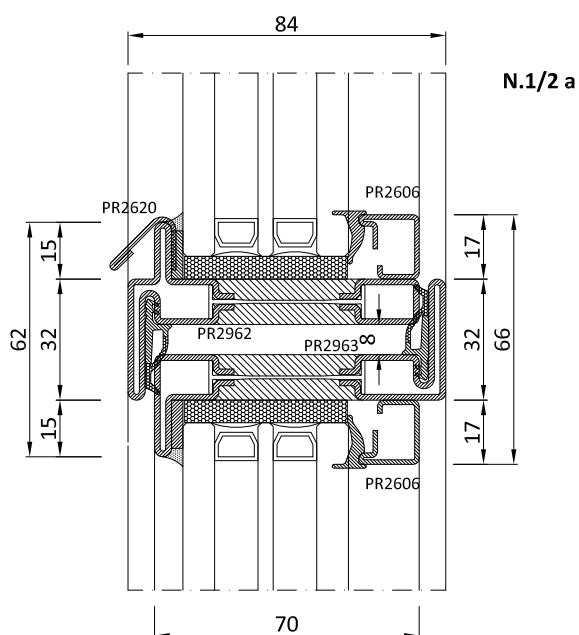
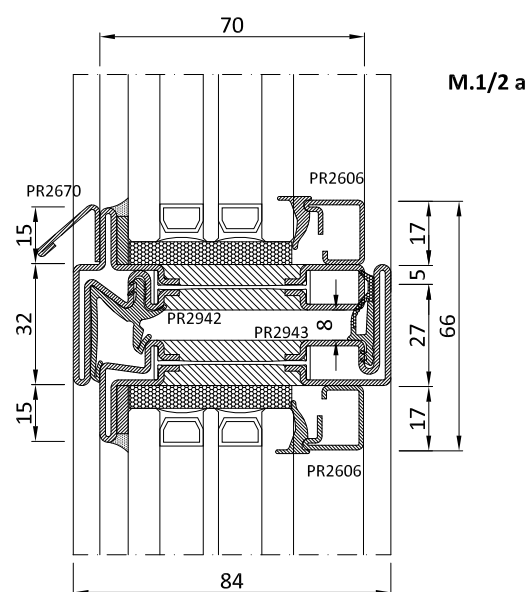
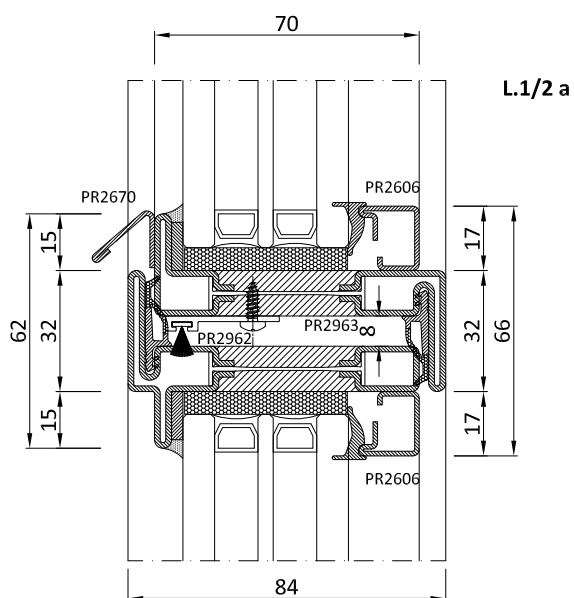
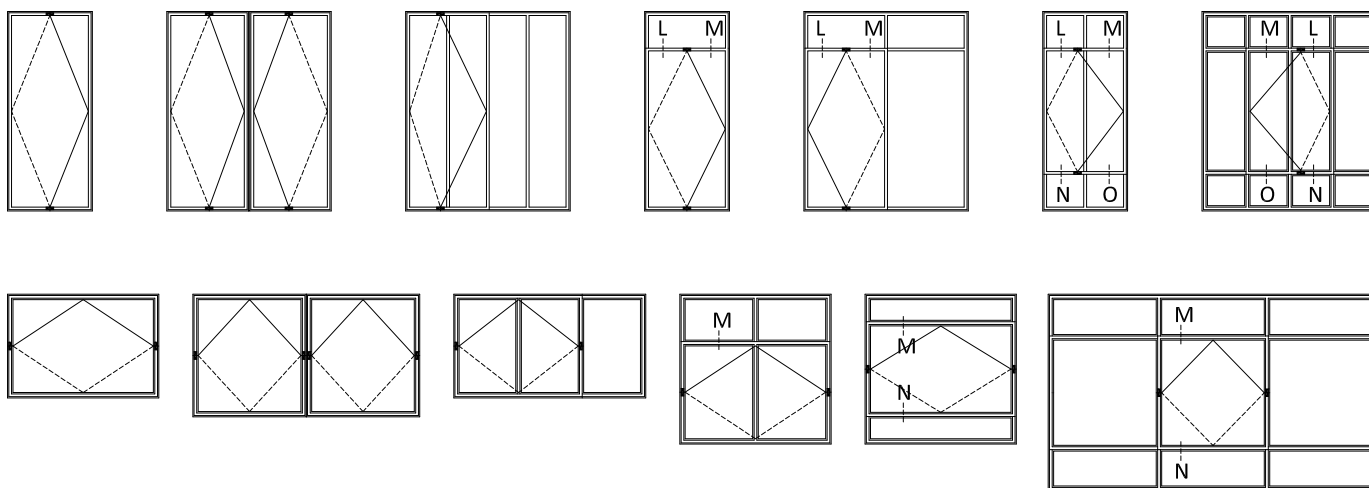
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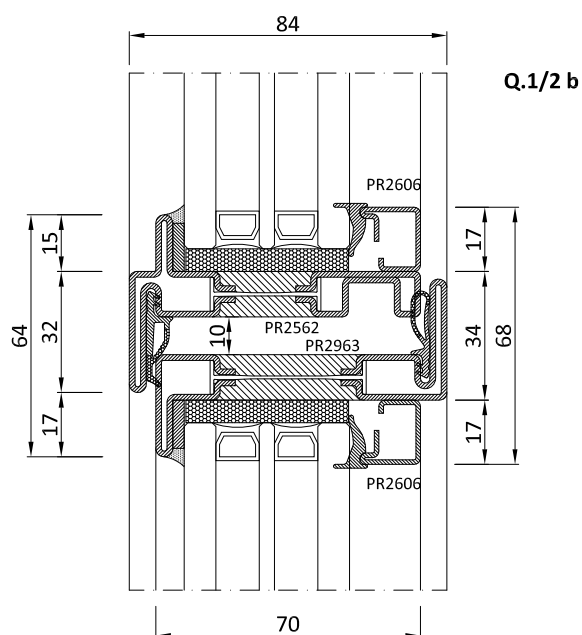
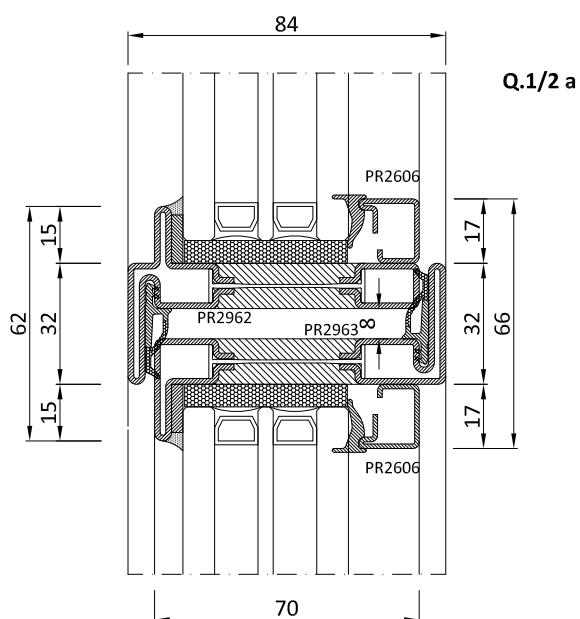
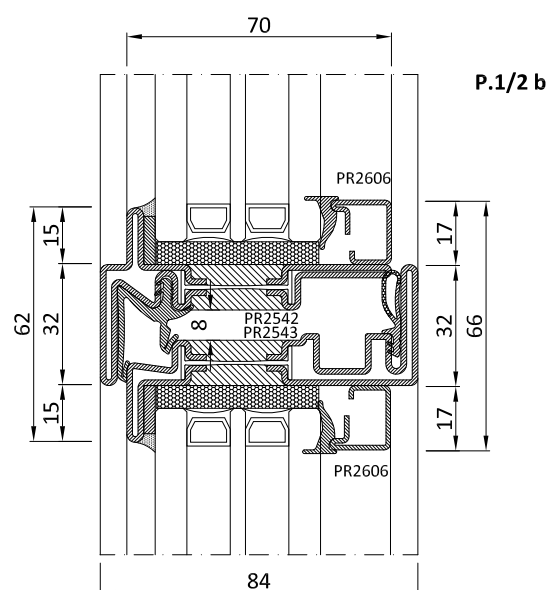
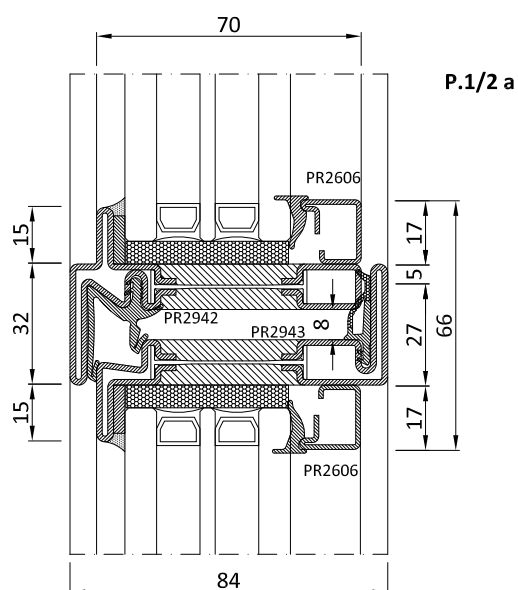
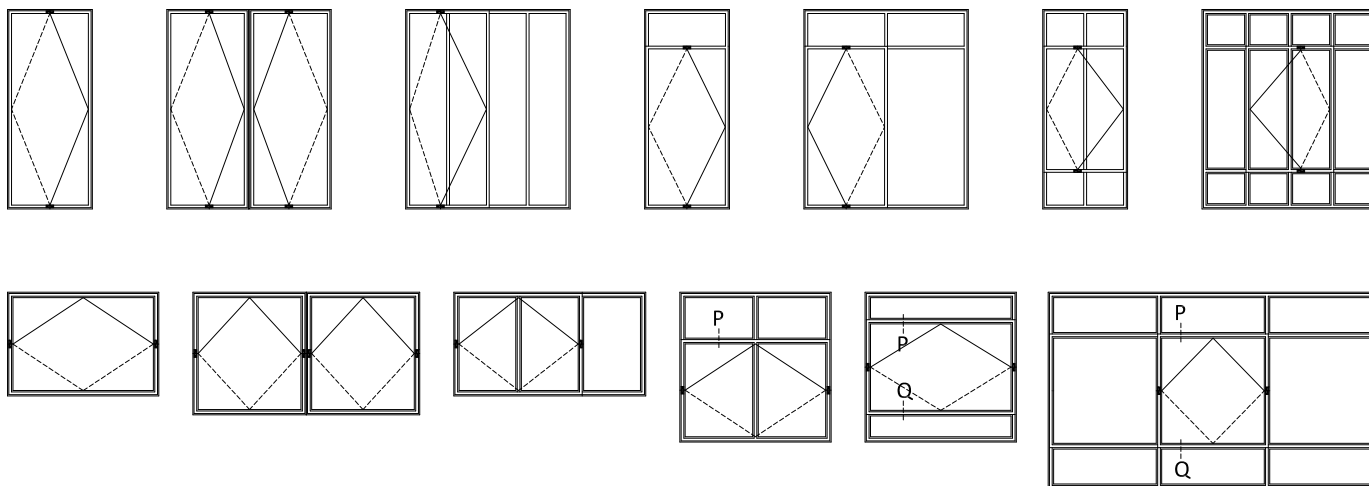


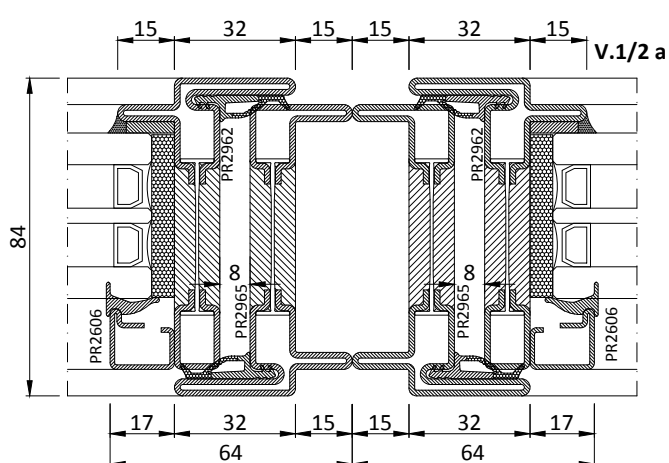
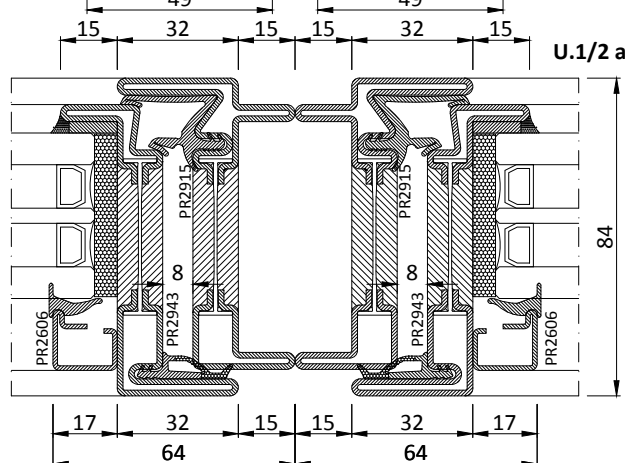
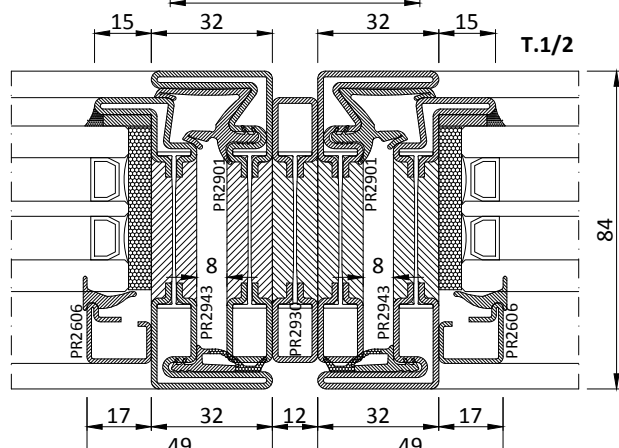
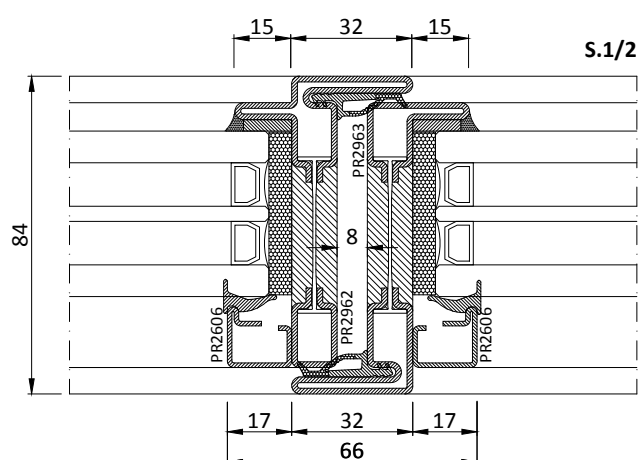
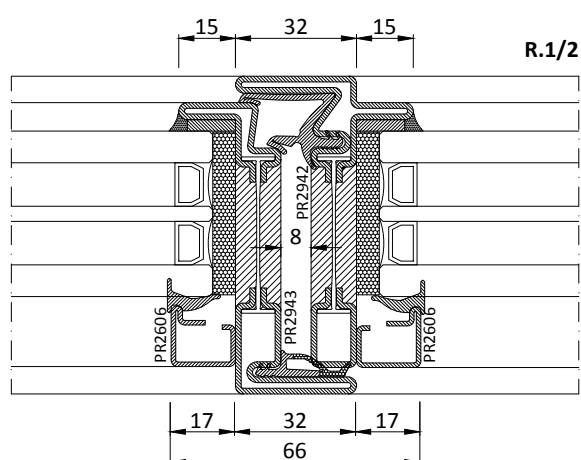
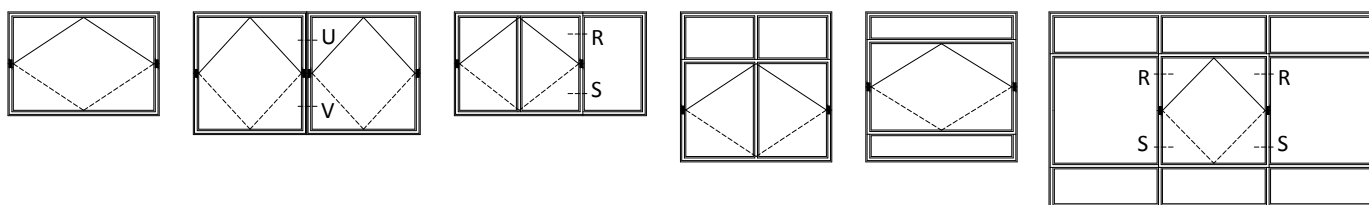
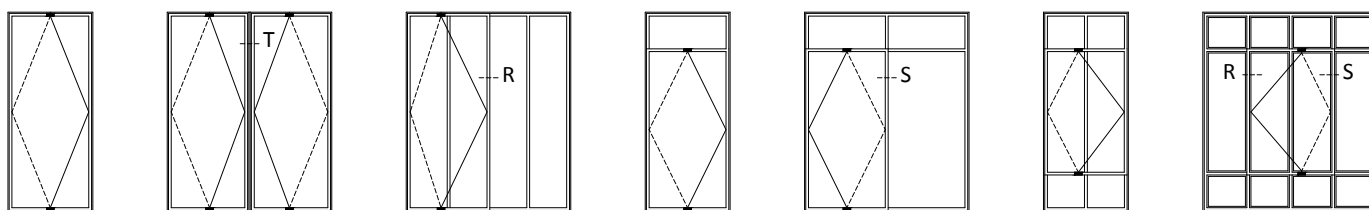
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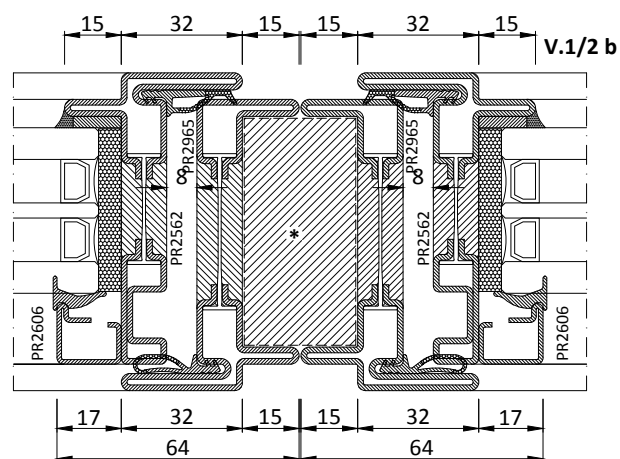
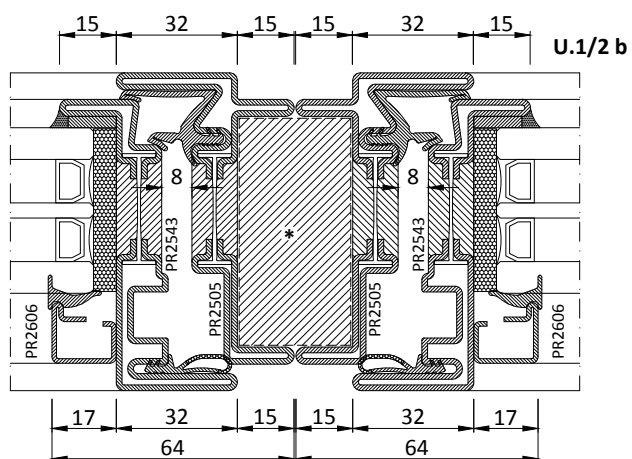
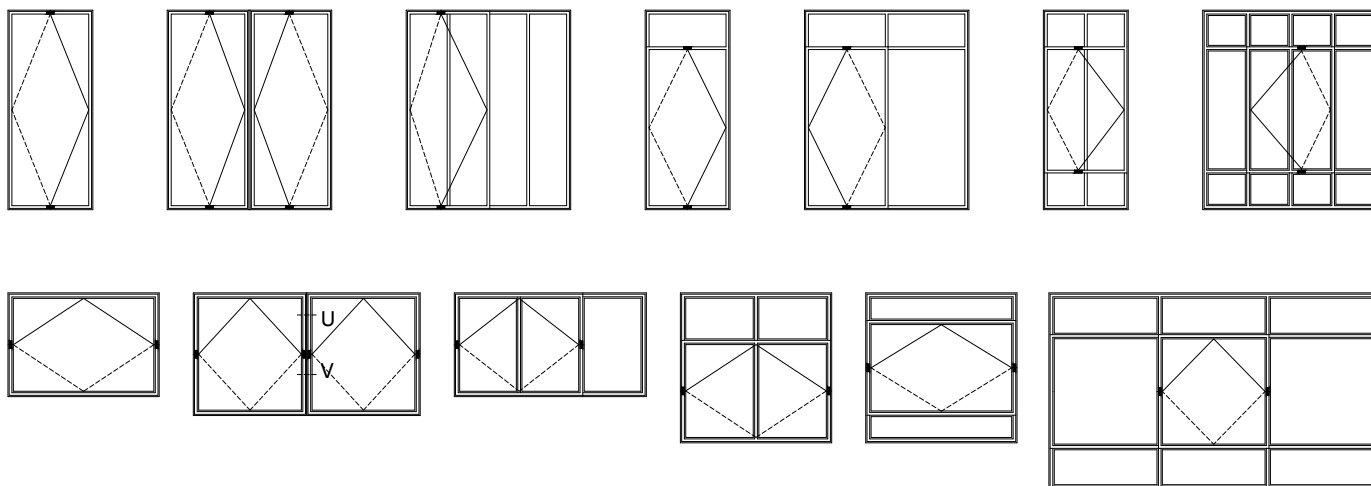


I.1/2 d

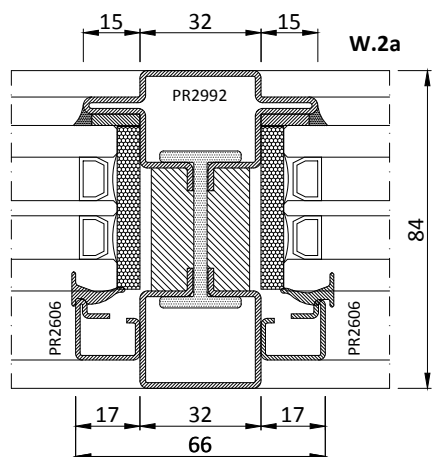
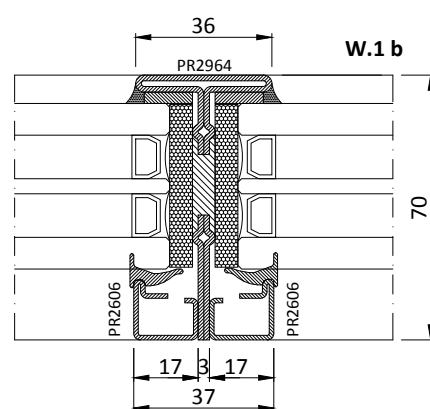
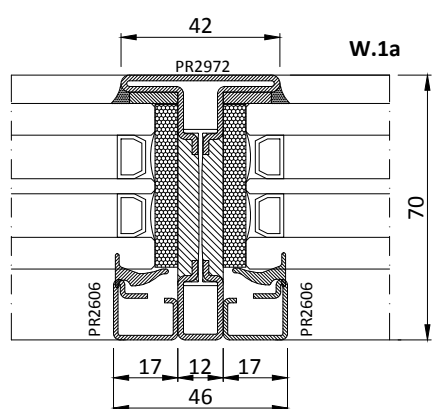
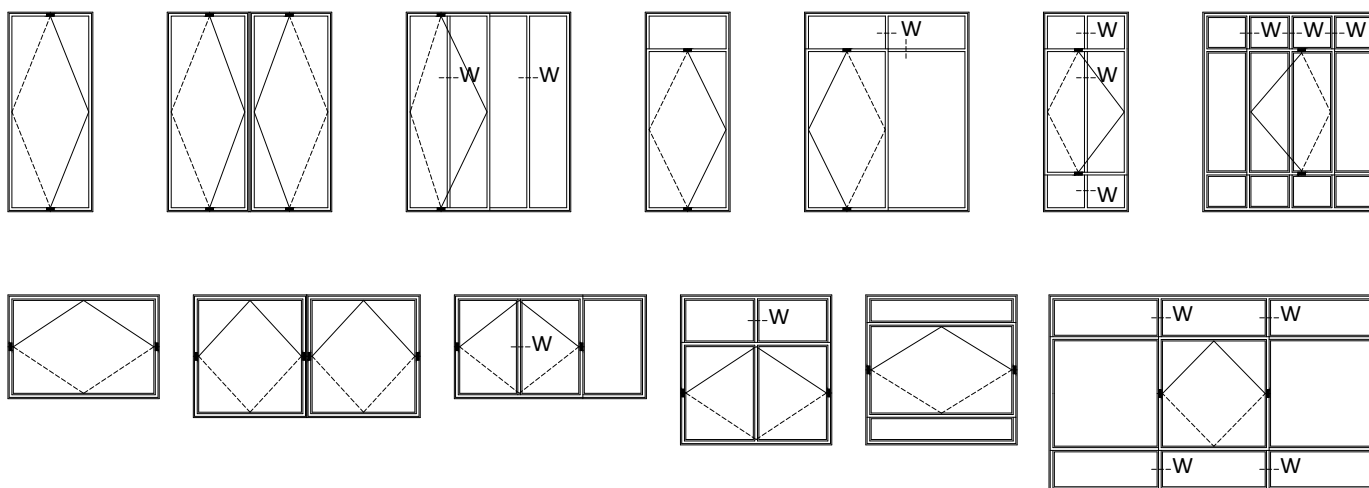




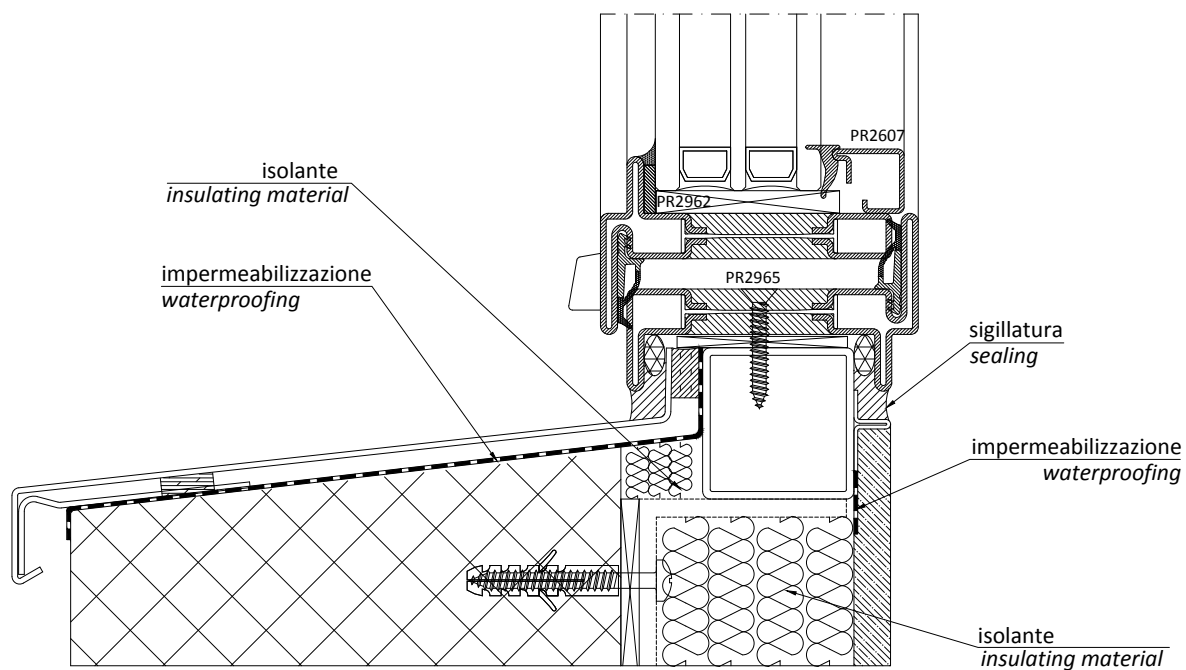
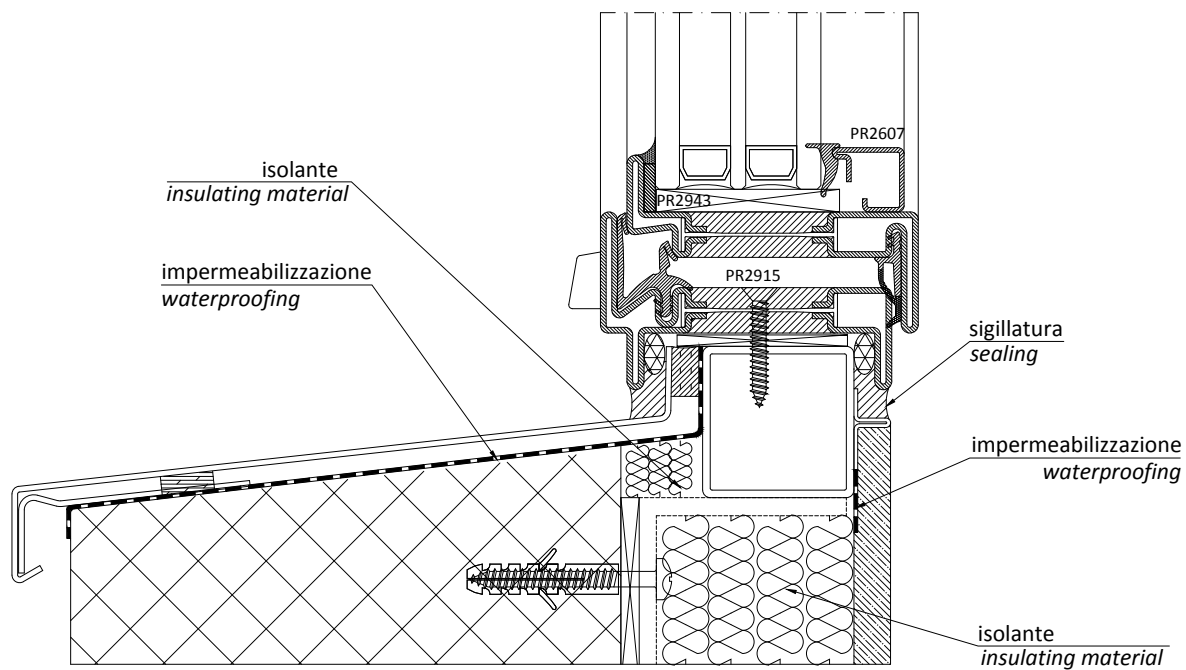


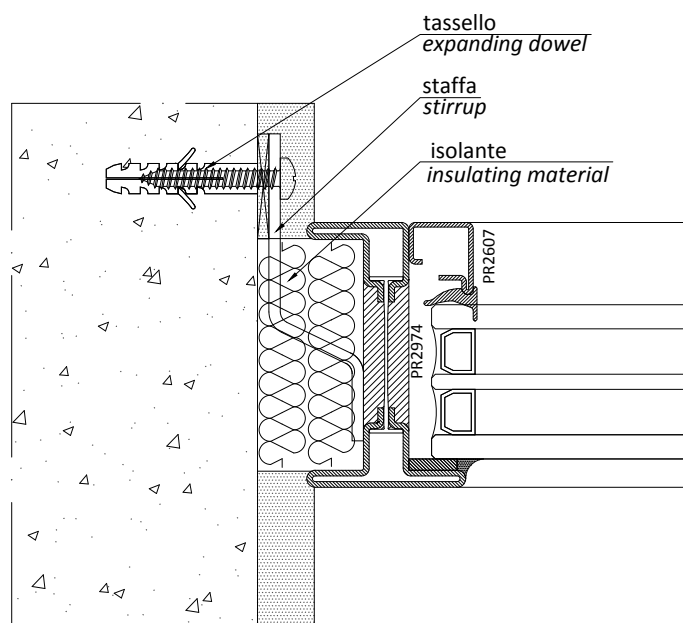
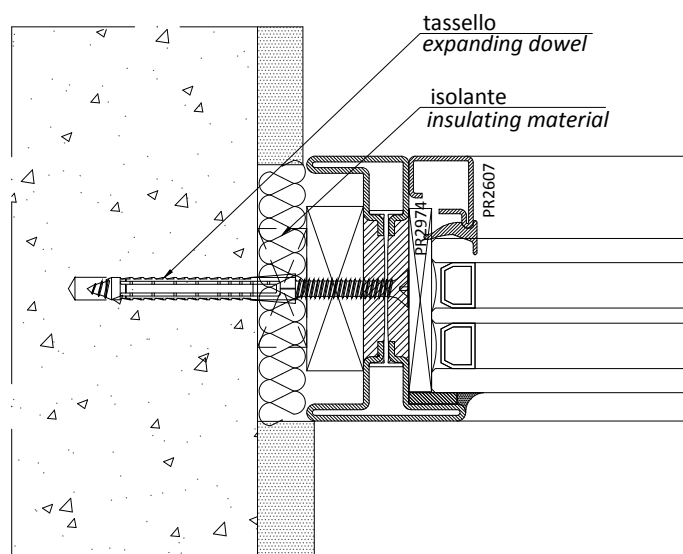


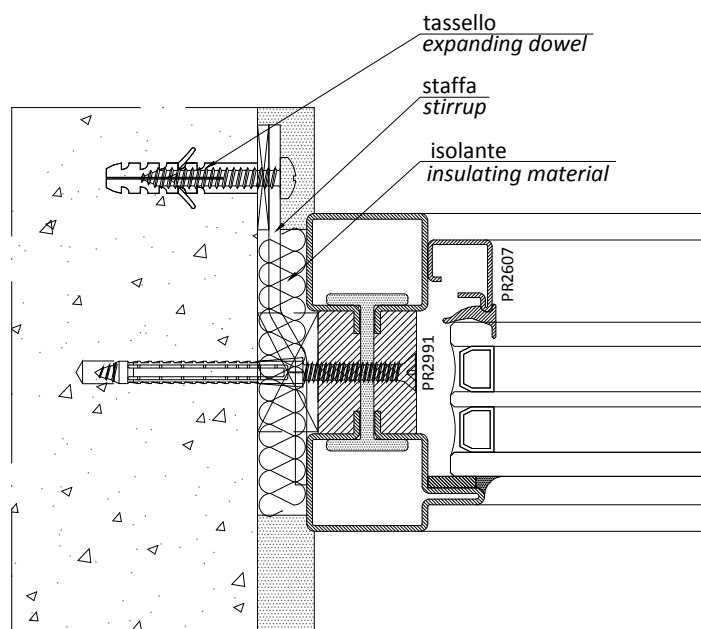
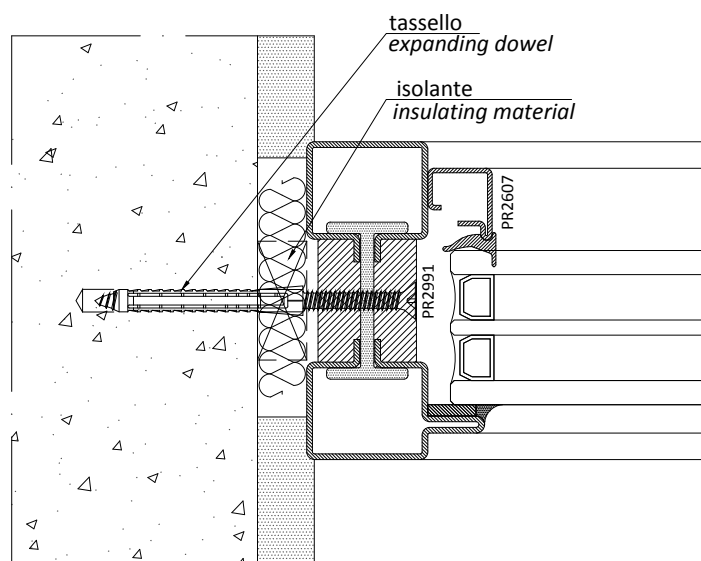
\* profilo rigidi di compensazione a cura del cliente  
 \* rigid compensation profile by the client

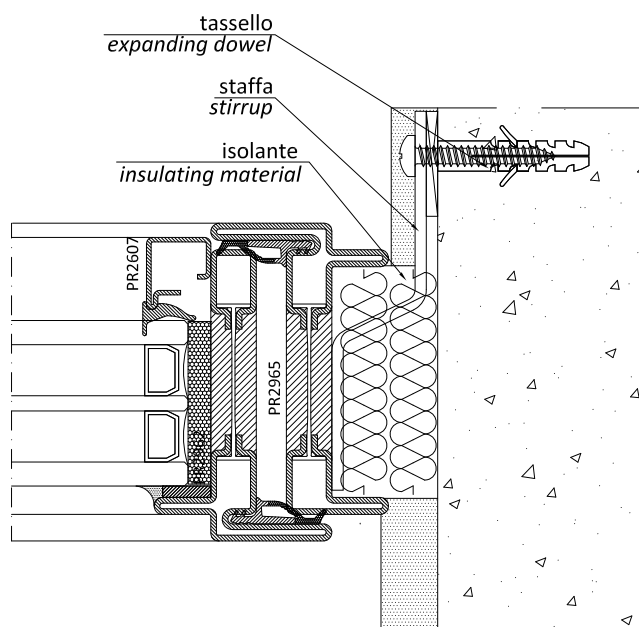
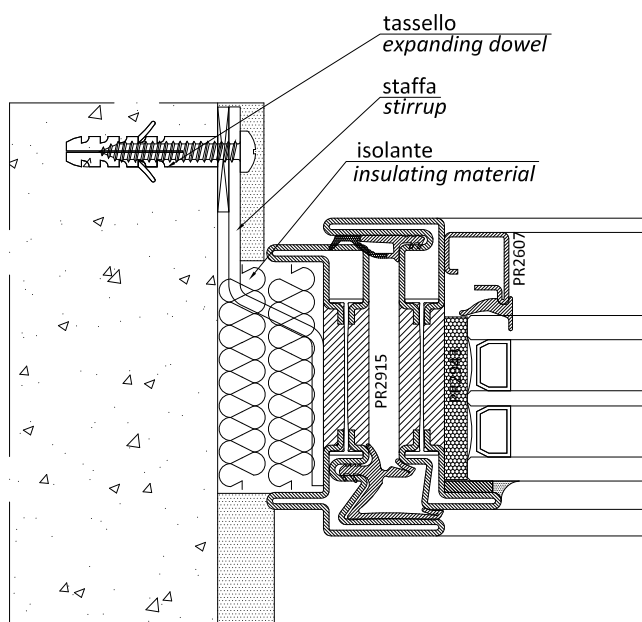
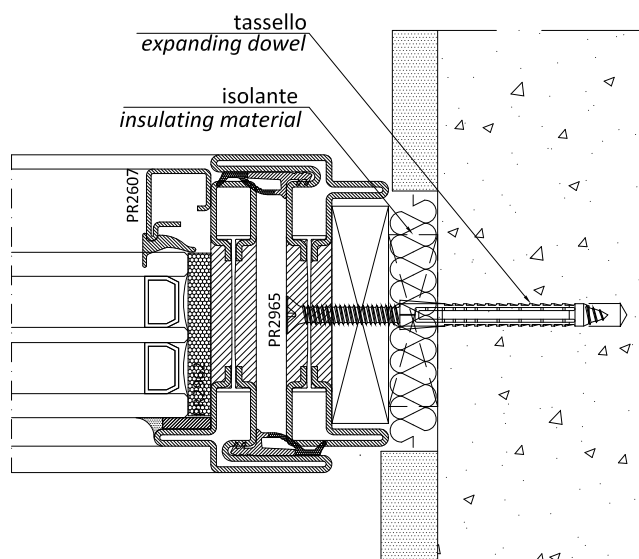
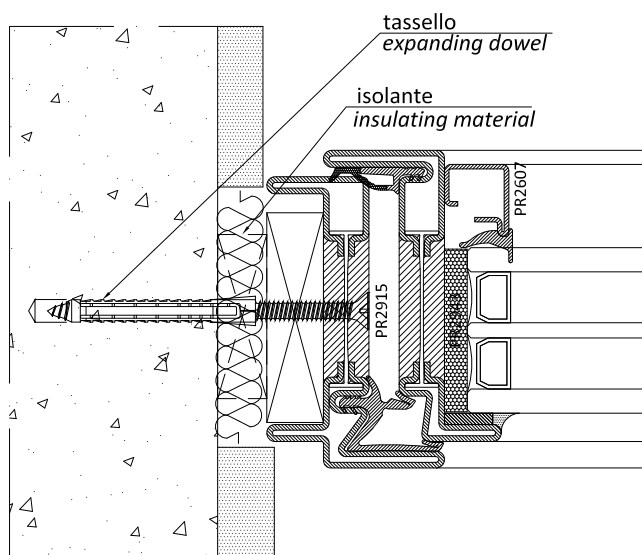












**Lavorazioni su barra / Section working**

|                                                                                     |                   |
|-------------------------------------------------------------------------------------|-------------------|
| Taglio / Cut                                                                        | 5.1.1-2   5.2.1-2 |
| Fori e asole per cremonese / Cremonese bolt holes and slots                         | 4.3.7-9 4.3.12    |
| Fori e asole per chiusura supplementare / Additional locking points slots and holes | 4.3.10-11         |
| Fori per scarico acqua / Water drip holes                                           | 4.3.4             |
| Lavorazione inserimento snodo bilico / Working for pivot bearing                    | 4.3.13-16         |
| Lavorazione gocciolatoio / Water drip section workink                               | 4.3.5-6           |
| Fori fissaggio a muro / Wall mounting holes                                         | 3.2.1-4           |

**Assiemaggio / Assembly**Costruzione telai / Frame assembly

|                                                                              |          |
|------------------------------------------------------------------------------|----------|
| Saldatura / Welding                                                          | 4.4.2-5  |
| Inserimento squadrette (profili ottone) / Brackets insertion (brass section) | 4.4.1-2  |
| <u>Applicazione accessori / Accessories installation</u>                     |          |
| Assiemaggio snodo bilico / Pivot bearing assembling                          | 4.4.6-25 |
| Sequenza di assiemaggio / Assembling sequence                                | 4.4.26   |

**Preparazione per verniciatura e ossidazione / Preparation for the powder coating - burnishing**

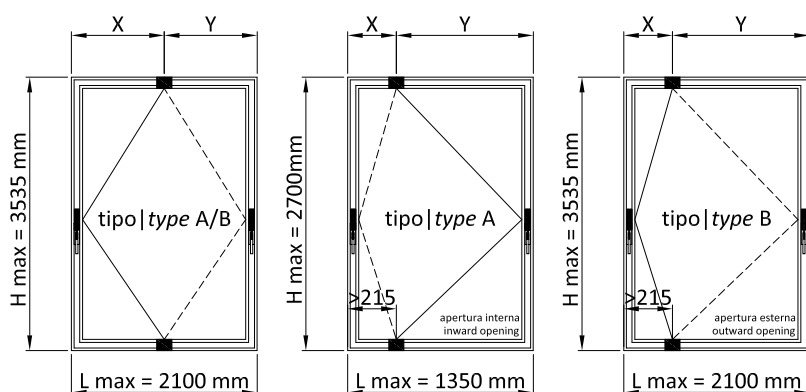
|                                                                                                             |         |
|-------------------------------------------------------------------------------------------------------------|---------|
| Fori su telaio per scarichi liquidi pretrattamento / Holes on frame for the drainage of pretreatment liquid | 5.1.4   |
| Pulitura della superficie (ottone) / Cleaning of the surface                                                | 5.1.4-5 |

**Montaggio accessori / Accessories installation**

|                                                                                  |         |
|----------------------------------------------------------------------------------|---------|
| Applicazione e sigillatura guarnizioni giunto aperto / Sealing of central gasket | 4.5.1   |
| Applicazione scarichi acqua / Water drip installation                            | 4.5.1   |
| Montaggio cremonese e incontri / Cremonese bolt installion                       | 4.5.2-6 |
| Sigillatura angolo nel TT / Corner joint sealing                                 | 4.5.1   |

**Vetrazione / Glazing**

|                                                                            |          |
|----------------------------------------------------------------------------|----------|
| Applicazione clips fermavetro / Glazing bead clips installation            | 2.9.1-10 |
| Applicazione vetro (spessoramento) / Glazing installation (setting blocks) | 4.6.1    |



peso massimo anta  
maximum leaf weight

350 kg

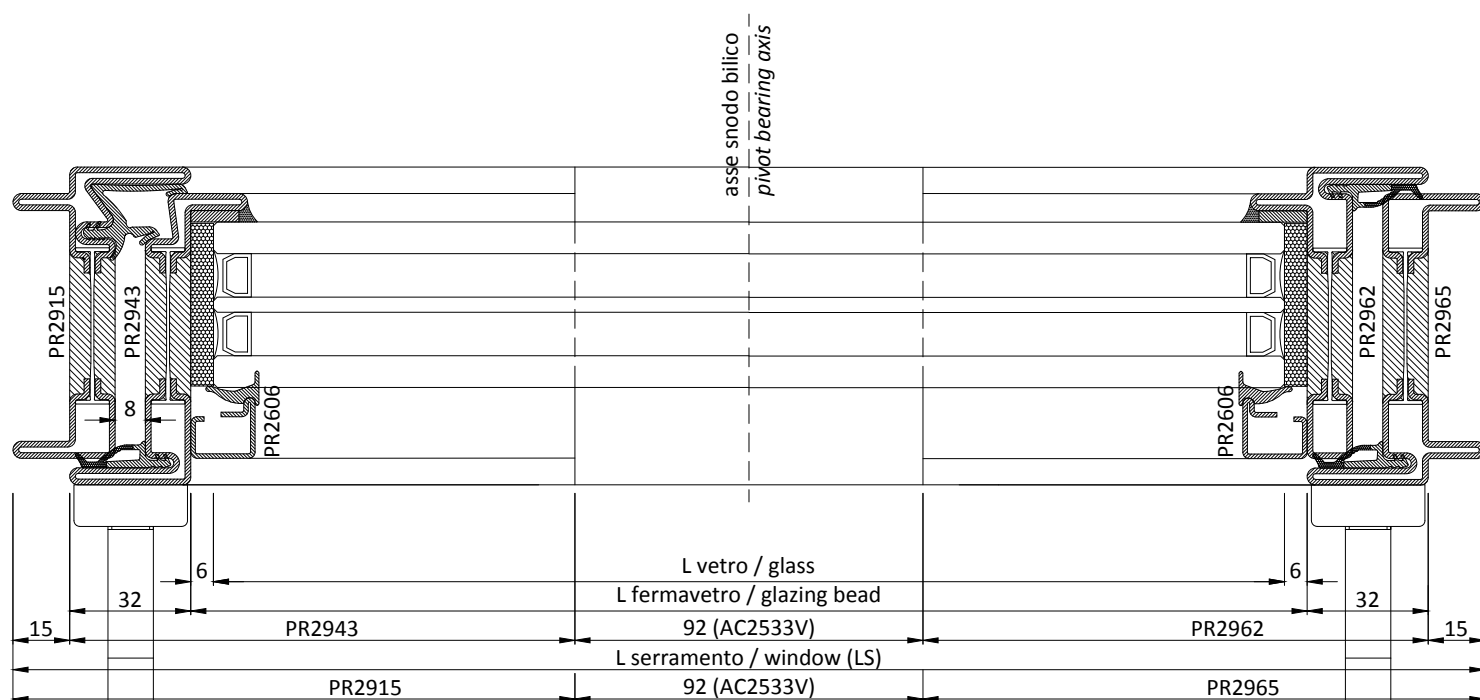
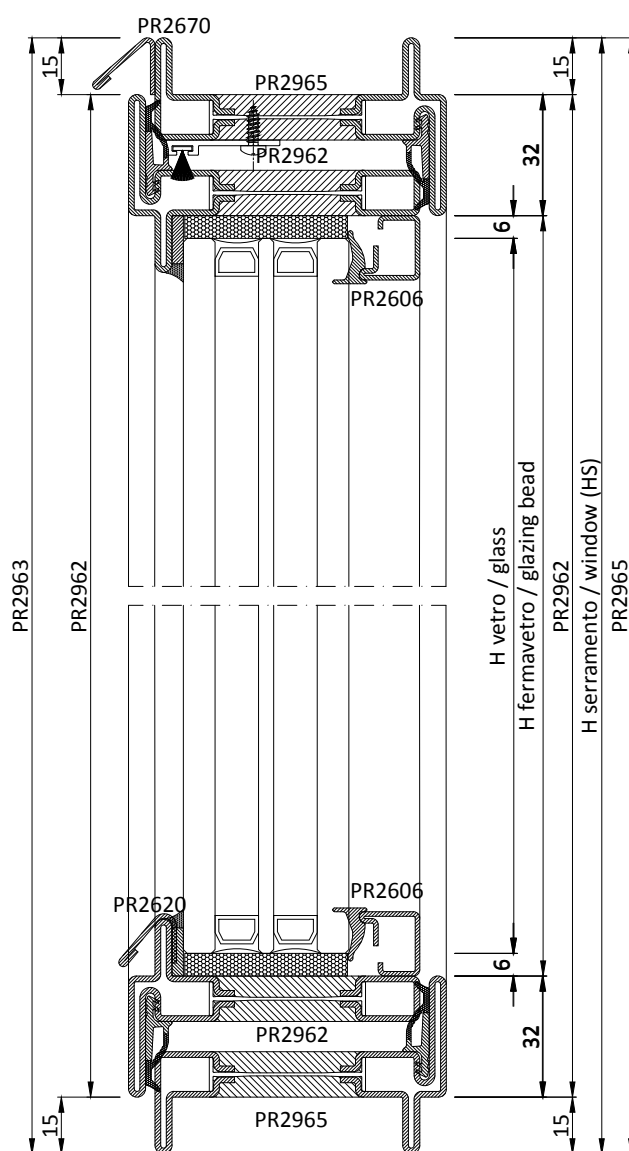
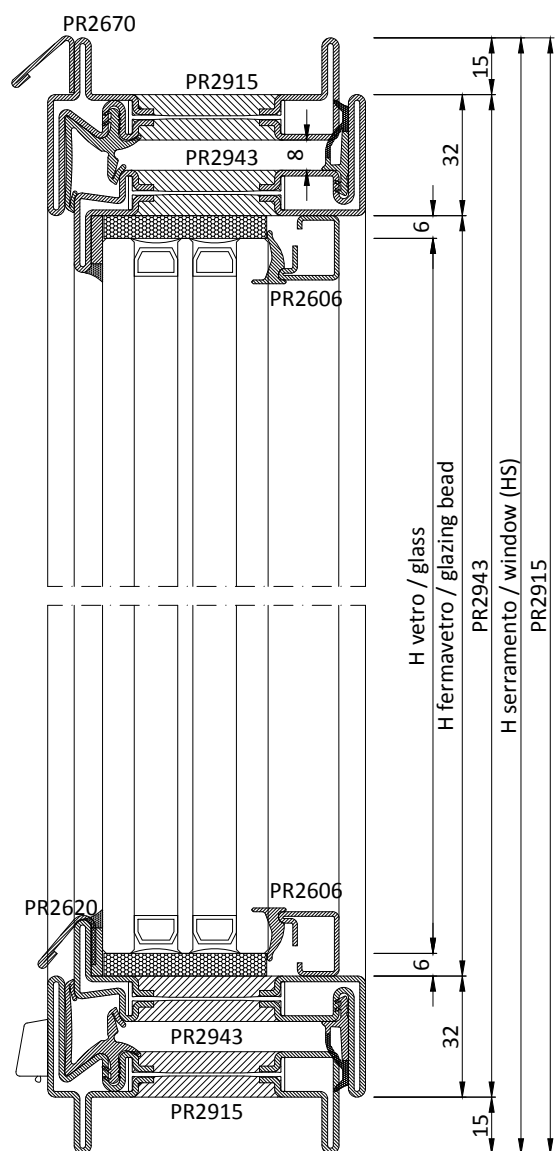
| PROFILI <i>PROFILES</i>          |                                       |                                          |      |                       |      |      |
|----------------------------------|---------------------------------------|------------------------------------------|------|-----------------------|------|------|
| Codice <i>Code</i>               | Descrizione <i>Description</i>        |                                          | Dim. | Taglio <i>Cutting</i> |      |      |
| Telaio <i>Frame</i>              |                                       |                                          |      |                       |      |      |
| PR2915                           | Profilo telaio                        | <i>Profile frame</i>                     | 1    | (LS-92)/2             | 45°  | 90°  |
| PR2915                           | Profilo telaio                        | <i>Profile frame</i>                     | 1    | (LS-92)/2             | 90°  | 45°  |
| PR2915                           | Profilo telaio                        | <i>Profile frame</i>                     | 1    | HS                    | 45°  | 45°  |
| PR2965                           | Profilo telaio                        | <i>Profile frame</i>                     | 1    | (LS-92)/2             | 90°  | 45°  |
| PR2965                           | Profilo telaio                        | <i>Profile frame</i>                     | 1    | (LS-92)/2             | 45°  | 90°  |
| PR2965                           | Profilo telaio                        | <i>Profile frame</i>                     | 1    | HS                    | 45°  | 45°  |
| Anta <i>Leaf</i>                 |                                       |                                          |      |                       |      |      |
| PR2943                           | Profilo anta                          | <i>Profile leaf</i>                      | 1    | (LS-122)/2            | 45°  | 90°  |
| PR2943                           | Profilo anta                          | <i>Profile leaf</i>                      | 1    | (LS-122)/2            | 90°  | 45°  |
| PR2943                           | Profilo anta                          | <i>Profile leaf</i>                      | 1    | HS-30                 | 45°  | 45°  |
| PR2962                           | Profilo anta                          | <i>Profile leaf</i>                      | 1    | (LS-122)/2            | 90°  | 45°  |
| PR2962                           | Profilo anta                          | <i>Profile leaf</i>                      | 1    | (LS-122)/2            | 45°  | 90°  |
| PR2962                           | Profilo anta                          | <i>Profile leaf</i>                      | 1    | HS-30                 | 45°  | 45°  |
| PR2620                           | Profilo battiacqua                    | <i>Water drip profile</i>                | 1    | LS-99                 | 90°  | 90°  |
| PR2670                           | Profilo battiacqua                    | <i>Water drip profile</i>                | 1    | LS-5                  | 90°  | 90°  |
| Fermavetri <i>Glazing beads</i>  |                                       |                                          |      |                       |      |      |
| PR2606                           | Profilo fermavetro                    | <i>Glazing beads profile</i>             | 2    | LS-94                 | 45°  | 45°  |
| PR2606                           | Profilo fermavetro                    | <i>Glazing beads profile</i>             | 2    | HS-94                 | 45°  | 45°  |
| Vetri <i>Glass</i>               |                                       |                                          |      |                       |      |      |
|                                  | Vetro camera                          | <i>Double Glazing</i>                    | 1    | LS-106 x HS-106       |      |      |
| ACCESSORI <i>HARDWARE</i>        |                                       |                                          |      |                       |      |      |
| Codice <i>Code</i>               | Descrizione <i>Description</i>        |                                          |      |                       | Dim. |      |
| AC2608                           | Clips fissaggio fermavetri            | <i>Clips to secure glazing beads</i>     |      |                       |      | var. |
| AC2617NG                         | Guarnizione d'angolo                  | <i>Vulcanised corner gasket</i>          | 2    |                       |      |      |
| AC2618                           | Scarico acqua                         | <i>Water drip</i>                        |      |                       |      | var. |
| AC2533V                          | Coppia snodi bilico                   | <i>Pivot bearing</i>                     | 1    |                       |      |      |
| AC2625 D/S                       | Kit cremonese apertura interna        | <i>Inwards opening cremone bolt set</i>  | 1    |                       |      |      |
| AC2680..                         | Maniglia di trascinamento             | <i>Dragging leaf handle</i>              | 1    |                       |      |      |
| AC2683 D/S                       | Kit cremonese apertura esterna        | <i>Outwards opening cremone bolt set</i> | 1    |                       |      |      |
| AC2626R                          | Kit per terza chiusura                | <i>Three-point lock system kit</i>       |      |                       |      | var. |
| AC2686                           | Braccetto limitatore apertura         | <i>Casement opening stays</i>            | 1    |                       |      |      |
| ACV 77..                         | Maniglie "Vitruvio"                   | <i>Handle " Vitruvio"</i>                | 2    |                       |      |      |
| AC2803I*                         | Kit squadrette per PR2915             | <i>Corner brackets kit for PR2915</i>    | 2    |                       |      |      |
| AC2843I*                         | Kit squadrette per PR2943             | <i>Corner brackets kit for PR2943</i>    | 2    |                       |      |      |
| AC2862I*                         | Kit squadrette per PR2962             | <i>Corner brackets kit for PR2962</i>    | 2    |                       |      |      |
| AC2865I*                         | Kit squadrette per PR2965             | <i>Corner brackets kit for PR2965</i>    | 2    |                       |      |      |
| AC2986P #                        | Kit squadrette per rinforzo angoli    | <i>Corner brackets kit</i>               | 1    |                       |      |      |
| AC2986PX*   #                    | Rinforzo per anta                     | <i>Brackets kit for sash</i>             | 1    |                       |      |      |
| GUARNIZIONI <i>WEATHER STRIP</i> |                                       |                                          |      |                       |      |      |
| GE2645TT                         | Guarnizione di battuta                | <i>Internal weather strip</i>            | 1    | 3xLS+3xHS             |      |      |
| GE2603                           | Guarnizione giunto aperto             | <i>Weather strip for open joint</i>      | 1    | LS-110+HS             |      |      |
| GU2036                           | Piattina adesiva fondo giunto         | <i>Adhesive shim for joint</i>           | 1    | 2xLS+2xHS             |      |      |
| GU2865                           | Spazzolino superiore apertura esterna | <i>Upper brush seal outwards opening</i> | 1    | (LS-X)-67             |      |      |
| GP0095                           | Guarnizione interna vetro             | <i>Internal weather strip</i>            | 1    | 2xLS+2xHS             |      |      |

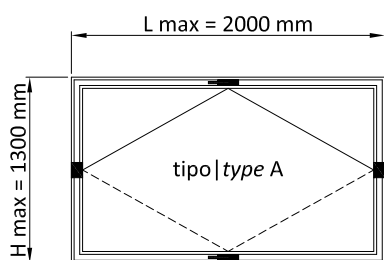
\* solo con profili ottone | only with brass profiles

# ante > 100kg | sashes > 100kg

N.B.: le dimensioni delle guarnizioni sono indicative e devono essere aumentate del 10% per adattamenti e ritiri del materiale nel tempo

Attention: the gasket dimensions are indicative and have to be increased by 10% owing to adaptation and contractions of the material over time





peso massimo anta  
maximum leaf weight

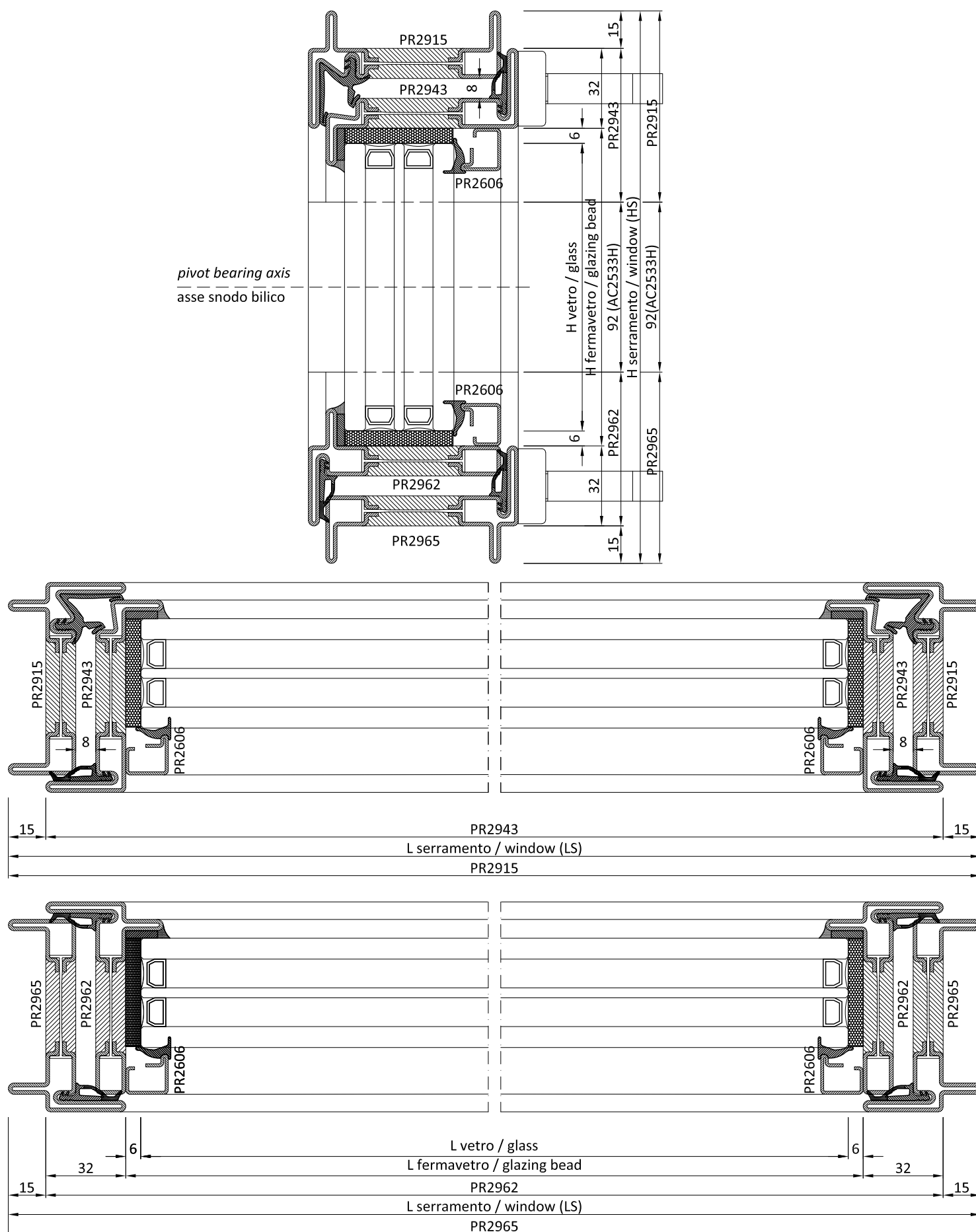
tipo | type A 100 kg

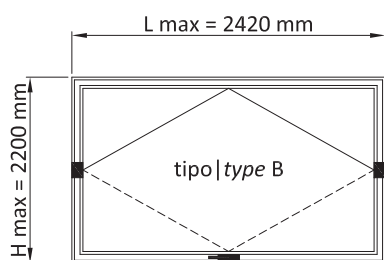
| PROFILI                   |                                | PROFILES                          |      |                 |      |     |  |
|---------------------------|--------------------------------|-----------------------------------|------|-----------------|------|-----|--|
| Codice Code               | Descrizione Description        |                                   | Dim. | Taglio Cutting  |      |     |  |
| Telaio Frame              |                                |                                   |      |                 |      |     |  |
| PR2915                    | Profilo telaio                 | Profile frame                     | 1    | LS              | 90°  | 90° |  |
| PR2915                    | Profilo telaio                 | Profile frame                     | 1    | (HS-92)/2       | 90°  | 45° |  |
| PR2915                    | Profilo telaio                 | Profile frame                     | 1    | (HS-92)/2       | 45°  | 90° |  |
| PR2965                    | Profilo telaio                 | Profile frame                     | 1    | LS              | 90°  | 90° |  |
| PR2965                    | Profilo telaio                 | Profile frame                     | 1    | (HS-92)/2       | 45°  | 90° |  |
| PR2965                    | Profilo telaio                 | Profile frame                     | 1    | (HS-92)/2       | 90°  | 45° |  |
| Anta Leaf                 |                                |                                   |      |                 |      |     |  |
| PR2943                    | Profilo anta                   | Profile leaf                      | 1    | LS-30           | 45°  | 45° |  |
| PR2943                    | Profilo anta                   | Profile leaf                      | 1    | (HS-122)/2      | 90°  | 45° |  |
| PR2943                    | Profilo anta                   | Profile leaf                      | 1    | (HS-122)/2      | 45°  | 90° |  |
| PR2962                    | Profilo anta                   | Profile leaf                      | 1    | LS-30           | 45°  | 45° |  |
| PR2962                    | Profilo anta                   | Profile leaf                      | 1    | (HS-122)/2      | 45°  | 90° |  |
| PR2962                    | Profilo anta                   | Profile leaf                      | 1    | (HS-122)/2      | 90°  | 45° |  |
| Fermavetri Glazing beads  |                                |                                   |      |                 |      |     |  |
| PR2606                    | Profilo fermavetro             | Glazing beads profile             | 2    | LS-94           | 45°  | 45° |  |
| PR2606                    | Profilo fermavetro             | Glazing beads profile             | 2    | HS-94           | 45°  | 45° |  |
| Vetri Glass               |                                |                                   |      |                 |      |     |  |
|                           | Vetro camera                   | Double Glazing                    | 1    | LS-106 x HS-106 |      |     |  |
| ACCESSORI HARDWARE        |                                |                                   |      |                 |      |     |  |
| Codice Code               | Descrizione Description        |                                   |      |                 | Dim. |     |  |
| AC2608                    | Clips fissaggio fermavetri     | Clips to secure glazing beads     |      |                 | var. |     |  |
| AC2617NG                  | Guarnizione d'angolo           | Vulcanised corner gasket          | 2    |                 |      |     |  |
| AC2533H                   | Coppia snodi bilico            | Pivot bearing                     | 1    |                 |      |     |  |
| AC2625 D/S                | Kit cremonese apertura interna | Inwards opening cremone bolt set  | 1    |                 |      |     |  |
| AC2680..                  | Maniglia di trascinamento      | Dragging leaf handle              | 2    |                 |      |     |  |
| AC2683 D/S                | Kit cremonese apertura esterna | Outwards opening cremone bolt set | 1    |                 |      |     |  |
| AC2626R                   | Kit per terza chiusura         | Three-point lock system kit       |      |                 | var. |     |  |
| AC2686                    | Braccetto limitatore apertura  | Casement opening stays            | 1    |                 |      |     |  |
| ACV 77..                  | Maniglie "Vitruvio"            | Handle " Vitruvio"                | 2    |                 |      |     |  |
| AC2803I*                  | Kit squadrette per PR2915      | Corner brackets kit for PR2915    | 2    |                 |      |     |  |
| AC2843I*                  | Kit squadrette per PR2943      | Corner brackets kit for PR2943    | 2    |                 |      |     |  |
| AC2862I*                  | Kit squadrette per PR2962      | Corner brackets kit for PR2962    | 2    |                 |      |     |  |
| AC2865I*                  | Kit squadrette per PR2965      | Corner brackets kit for PR2965    | 2    |                 |      |     |  |
| GUARNIZIONI WEATHER STRIP |                                |                                   |      |                 |      |     |  |
| GE2645TT                  | Guarnizione di battuta         | Internal weather strip            | 1    | 3xLS+3xHS       |      |     |  |
| GE2603                    | Guarnizione giunto aperto      | Weather strip for open joint      | 1    | LS+HS           |      |     |  |
| GU2036                    | Piattina adesiva fondo giunto  | Adhesive shim for joint           | 1    | 2xLS+2xHS       |      |     |  |
| GP0095                    | Guarnizione interna vetro      | Internal weather strip            | 1    | 2xLS+2xHS       |      |     |  |

\* solo con profili ottone | only with brass profiles

N.B.: le dimensioni delle guarnizioni sono indicative e devono essere aumentate del 10% per adattamenti e ritiri del materiale nel tempo  
Attention: the gasket dimensions are indicative and have to be increased by 10% owing to adaptation and contractions of the material over time







peso massimo anta  
maximum leaf weight

tipo | type B 250 kg

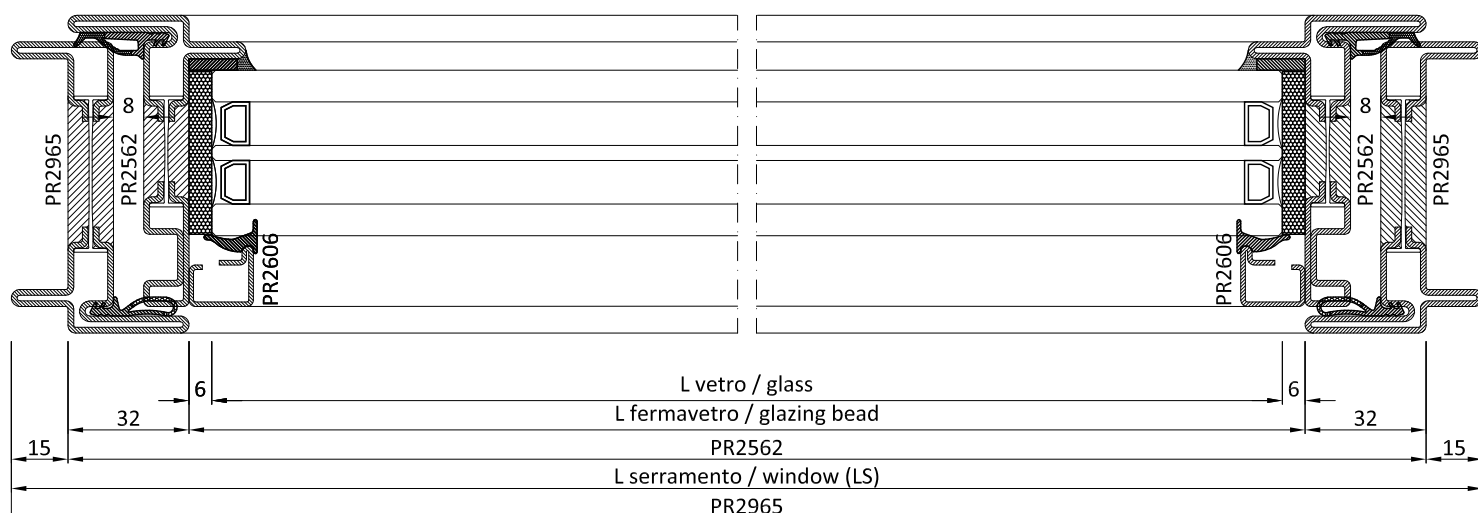
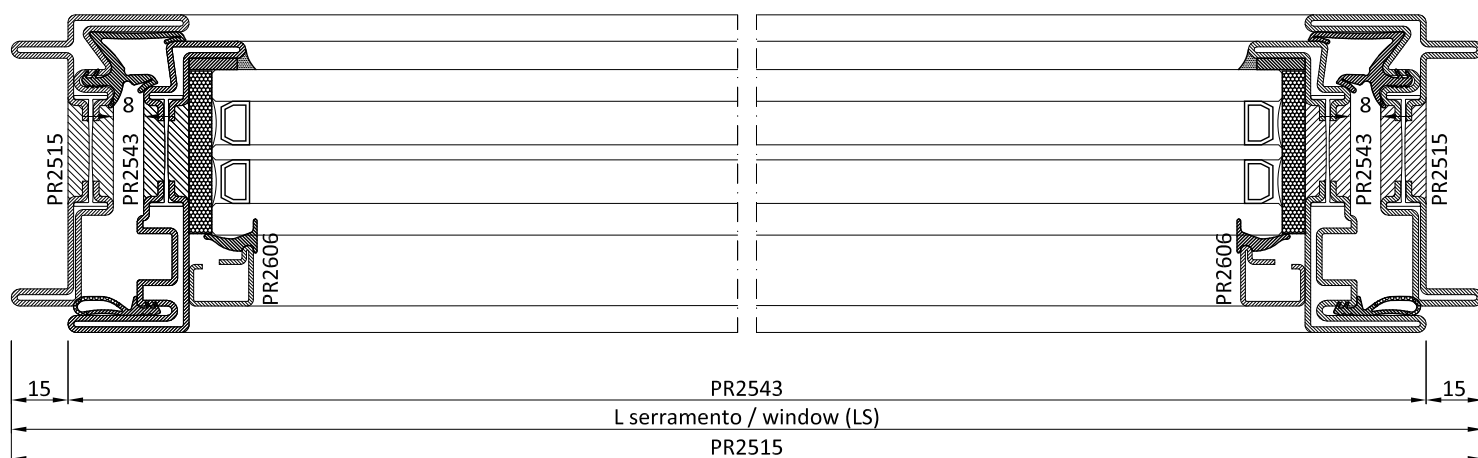
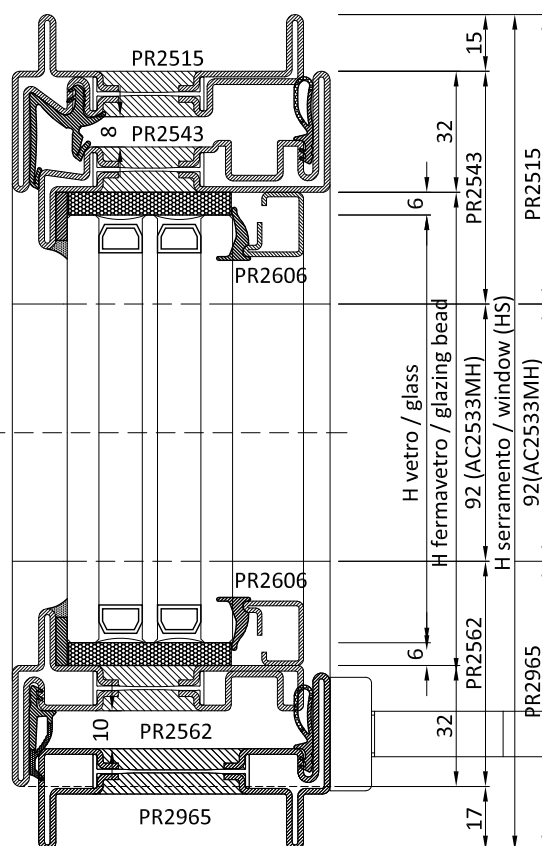
| PROFILI <i>PROFILES</i>          |                                            |                                                  |      |                       |      |     |
|----------------------------------|--------------------------------------------|--------------------------------------------------|------|-----------------------|------|-----|
| Codice <i>Code</i>               | Descrizione <i>Description</i>             |                                                  | Dim. | Taglio <i>Cutting</i> |      |     |
| Telaio <i>Frame</i>              |                                            |                                                  |      |                       |      |     |
| PR2515                           | Profilo telaio                             | <i>Profile frame</i>                             | 1    | LS                    | 45°  | 45° |
| PR2515                           | Profilo telaio                             | <i>Profile frame</i>                             | 1    | (HS-92)/2             | 90°  | 45° |
| PR2515                           | Profilo telaio                             | <i>Profile frame</i>                             | 1    | (HS-92)/2             | 45°  | 90° |
| PR2965                           | Profilo telaio                             | <i>Profile frame</i>                             | 1    | LS                    | 45°  | 45° |
| PR2965                           | Profilo telaio                             | <i>Profile frame</i>                             | 1    | (HS-92)/2             | 45°  | 90° |
| PR2965                           | Profilo telaio                             | <i>Profile frame</i>                             | 1    | (HS-92)/2             | 90°  | 45° |
| Anta <i>Leaf</i>                 |                                            |                                                  |      |                       |      |     |
| PR2543                           | Profilo anta                               | <i>Profile leaf</i>                              | 1    | LS-30                 | 45°  | 45° |
| PR2543                           | Profilo anta                               | <i>Profile leaf</i>                              | 1    | (HS-122)/2            | 90°  | 45° |
| PR2543                           | Profilo anta                               | <i>Profile leaf</i>                              | 1    | (HS-122)/2            | 45°  | 90° |
| PR2562                           | Profilo anta                               | <i>Profile leaf</i>                              | 1    | LS-30                 | 45°  | 45° |
| PR2562                           | Profilo anta                               | <i>Profile leaf</i>                              | 1    | (HS-124)/2            | 45°  | 90° |
| PR2562                           | Profilo anta                               | <i>Profile leaf</i>                              | 1    | (HS-124)/2            | 90°  | 45° |
| Fermavetri <i>Glazing beads</i>  |                                            |                                                  |      |                       |      |     |
| PR2606                           | Profilo fermavetro                         | <i>Glazing beads profile</i>                     | 1    | LS-94                 | 45°  | 45° |
| PR2606                           | Profilo fermavetro                         | <i>Glazing beads profile</i>                     | 1    | LS-96                 | 45°  | 45° |
| Vetri <i>Glass</i>               |                                            |                                                  |      |                       |      |     |
|                                  | Vetro camera                               | <i>Double Glazing</i>                            | 1    | LS-106 x HS-108       |      |     |
| ACCESSORI <i>HARDWARE</i>        |                                            |                                                  |      |                       |      |     |
| Codice <i>Code</i>               | Descrizione <i>Description</i>             |                                                  |      |                       | Dim. |     |
| AC2608AR                         | Clips fissaggio fermavetri                 | <i>Clips to secure glazing beads</i>             |      |                       | var. |     |
| AC2617NG                         | Guarnizione d'angolo                       | <i>Vulcanised corner gasket</i>                  |      |                       | 2    |     |
| AC2533P-SP                       | Coppia snodi bilico per bilico orizzontale | <i>Pivot bearing for horizontal window</i>       |      |                       | 1    |     |
| AGP580                           | Kit cremonese apertura                     | <i>Opening cremone bolt set</i>                  |      |                       | 1    |     |
| ACV87_P                          | Maniglie "Vitruvio"                        | <i>Handle " Vitruvio"</i>                        |      |                       | 1    |     |
| AC2680E                          | Maniglie di trascinamento                  | <i>Handle</i>                                    |      |                       | 2    |     |
| AC2815IR*                        | Kit squadrette per PR2515                  | <i>Corner brackets kit for PR2515</i>            |      |                       | 2    |     |
| AC2843IR*                        | Kit squadrette per PR2543                  | <i>Corner brackets kit for PR2543</i>            |      |                       | 2    |     |
| AC2862IR*                        | Kit squadrette per PR2562                  | <i>Corner brackets kit for PR2562</i>            |      |                       | 2    |     |
| AC2865I*                         | Kit squadrette per PR2965                  | <i>Corner brackets kit for PR2965</i>            |      |                       | 2    |     |
| AC2986P* <sup>I</sup> #          | Kit squadrette per rinforzo angoli         | <i>Corner brackets kit</i>                       |      |                       | 1    |     |
| AC2986PX* <sup>I</sup> #         | Kit piatti di rinforzo snodo bilico        | <i>Kit reinforcement plate for pivot bearing</i> |      |                       | 1    |     |
| GUARNIZIONI <i>WEATHER STRIP</i> |                                            |                                                  |      |                       |      |     |
| GE2645TT                         | Guarnizione di battuta                     | <i>External weather strip</i>                    | 1    | LS+HS                 |      |     |
| GE2543TT                         | Guarnizione di battuta                     | <i>Internal weather strip</i>                    | 1    | 2xLS+2xHS             |      |     |
| GE2603                           | Guarnizione giunto aperto                  | <i>Weather strip for open joint</i>              | 1    | LS+HS                 |      |     |
| GU2036                           | Piattina adesiva fondo giunto              | <i>Adhesive shim for joint</i>                   | 1    | 2xLS+2xHS             |      |     |
| GP0095                           | Guarnizione interna vetro                  | <i>Internal weather strip</i>                    | 1    | 2xLS+2xHS             |      |     |

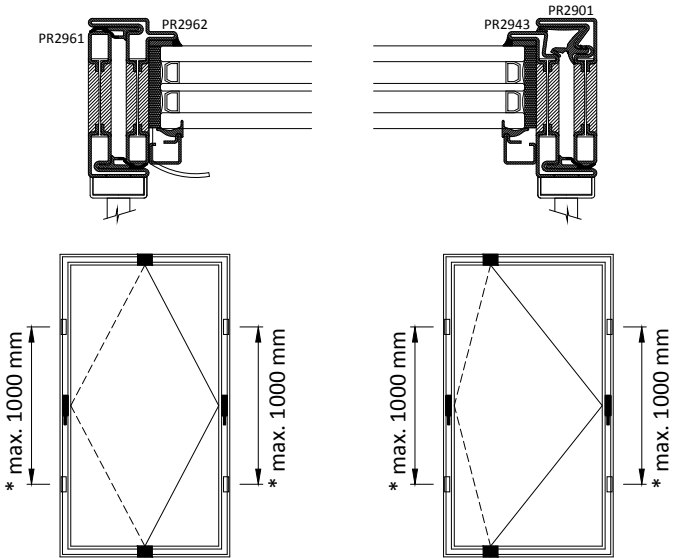
\* solo con profili ottone | only with brass profiles

<sup>#</sup> ante>100kg | sashes >100kg

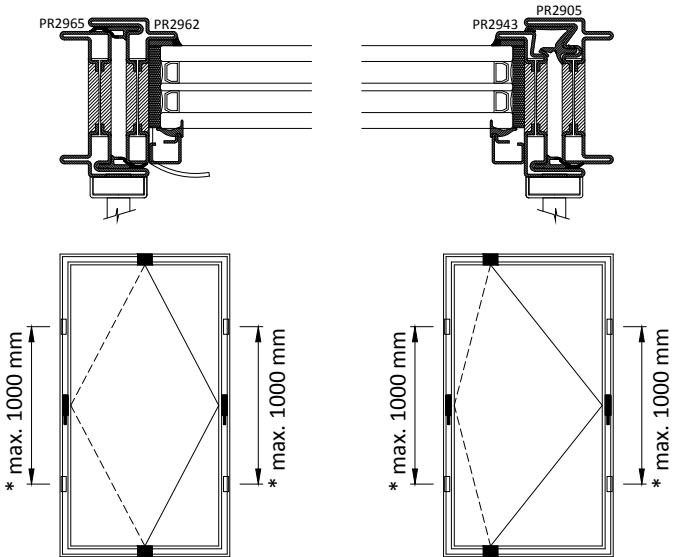
N.B.: le dimensioni delle guarnizioni sono indicative e devono essere aumentate del 10% per adattamenti e ritiri del materiale nel tempo  
Attention: the gasket dimensions are indicative and have to be increased by 10% owing to adaptation and contractions of the material over time

pivot bearing axis  
asse snodo bilico

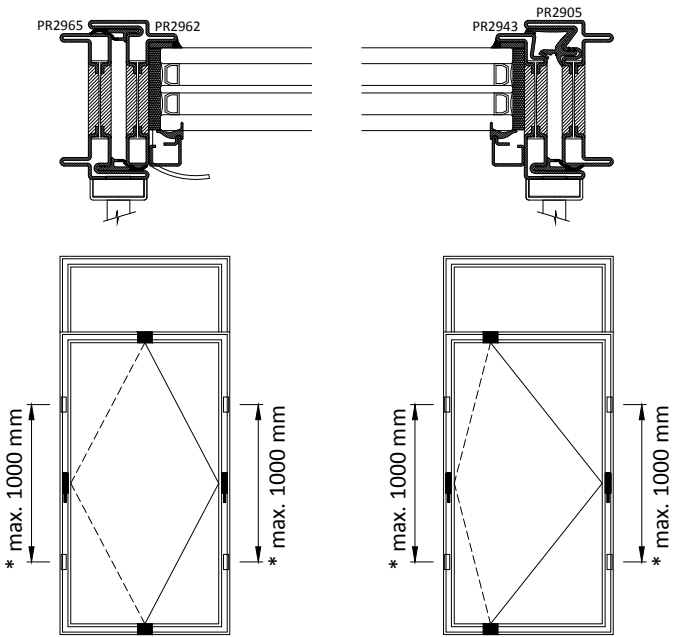




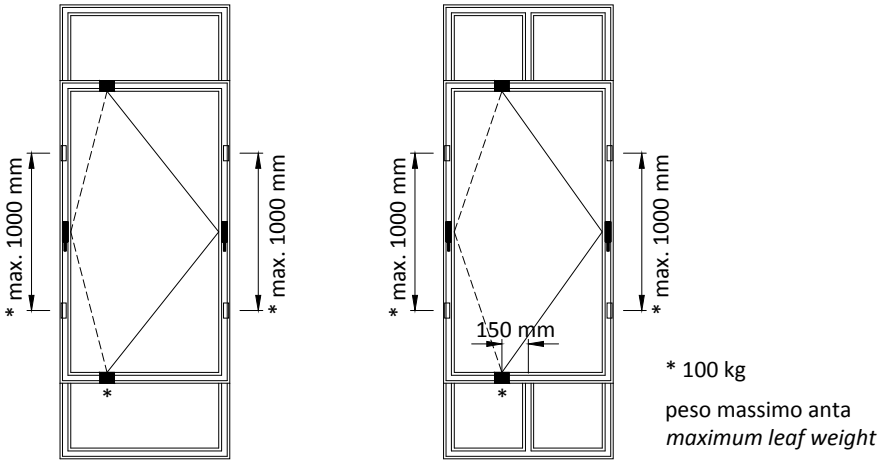
| Art.       | Code | Descrizione Description                                                             | Pag.                         |
|------------|------|-------------------------------------------------------------------------------------|------------------------------|
| AC2625 D/S |      | Kit cremonese chiusura apertura interna<br><i>Cremone bolt set inwards opening</i>  | 4.3.7<br>4.5.2-3             |
| AC2683 D/S |      | Kit cremonese chiusura apertura esterna<br><i>Cremone bolt set outwards opening</i> | 4.3.8-9<br>4.5.4-5           |
| AC2533SV   |      | Snodo bilico<br><i>Pivot bearing</i>                                                | 4.3.13 16<br>4.4.8 9 - 5.1.5 |
| AC2626R*   |      | Chiusura supplementare<br><i>Additional lock</i>                                    | 4.3.10 11<br>4.5.6           |



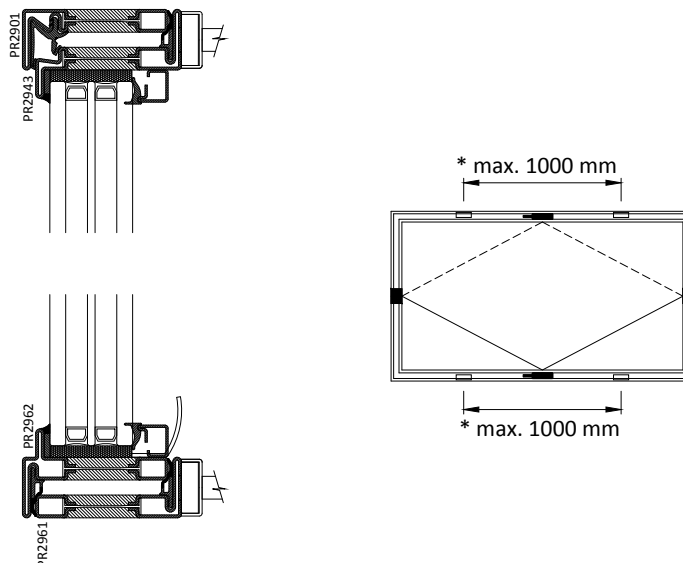
| Art.       | Code | Descrizione Description                                                             | Pag.                         |
|------------|------|-------------------------------------------------------------------------------------|------------------------------|
| AC2625 D/S |      | Kit cremonese chiusura apertura interna<br><i>Cremone bolt set inwards opening</i>  | 4.3.7<br>4.5.2-3             |
| AC2683 D/S |      | Kit cremonese chiusura apertura esterna<br><i>Cremone bolt set outwards opening</i> | 4.3.8-9<br>4.5.4-5           |
| AC2533V    |      | Snodo bilico<br><i>Pivot bearing</i>                                                | 4.3.13 16<br>4.4.6 7 - 5.1.5 |
| AC2626R*   |      | Chiusura supplementare<br><i>Additional lock</i>                                    | 4.3.10 11<br>4.5.6           |



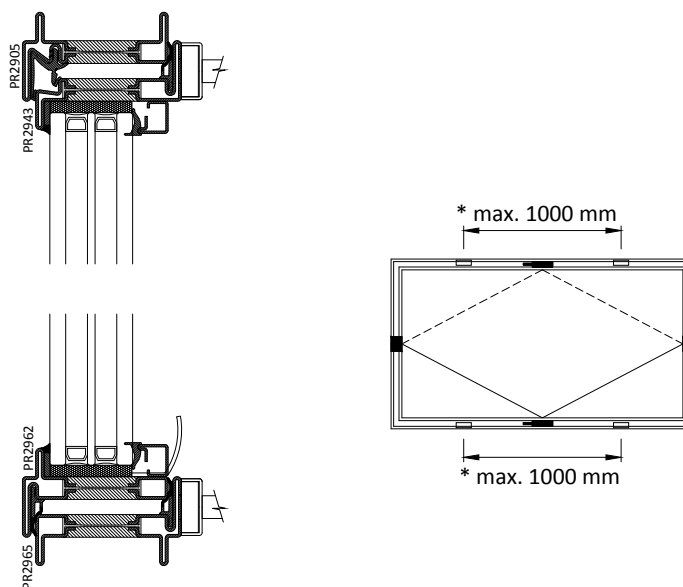
| Art.       | Code | Descrizione Description                                                             | Pag.                           |
|------------|------|-------------------------------------------------------------------------------------|--------------------------------|
| AC2625 D/S |      | Kit cremonese chiusura apertura interna<br><i>Cremone bolt set inwards opening</i>  | 4.3.7<br>4.5.2-3               |
| AC2683 D/S |      | Kit cremonese chiusura apertura esterna<br><i>Cremone bolt set outwards opening</i> | 4.3.8-9<br>4.5.4-5             |
| AC2537V    |      | Snodo bilico<br><i>Pivot bearing</i>                                                | 4.3.13 16<br>4.4.10 11 - 5.1.5 |
| AC2626R*   |      | Chiusura supplementare<br><i>Additional lock</i>                                    | 4.3.10 11<br>4.5.6             |



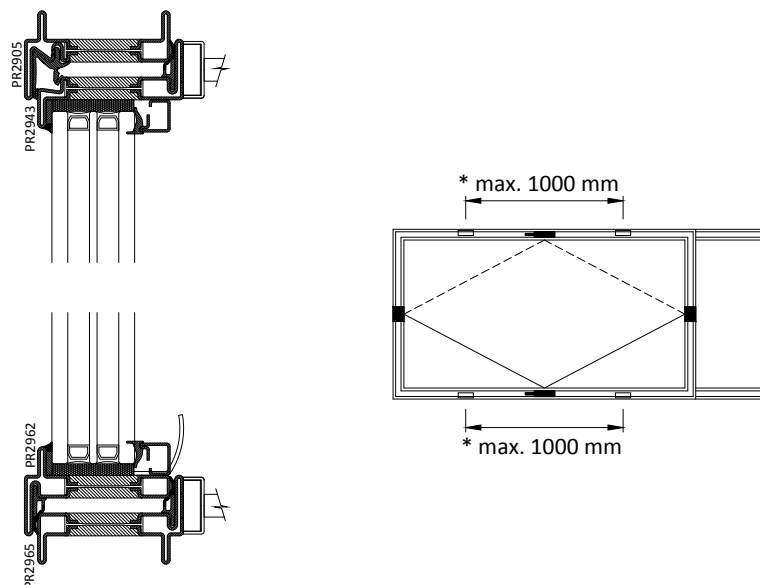
| Art.       | Code | Descrizione Description                                                             | Pag.                           |
|------------|------|-------------------------------------------------------------------------------------|--------------------------------|
| AC2625 D/S |      | Kit cremonese chiusura apertura interna<br><i>Cremone bolt set inwards opening</i>  | 4.3.7<br>4.5.2-3               |
| AC2683 D/S |      | Kit cremonese chiusura apertura esterna<br><i>Cremone bolt set outwards opening</i> | 4.3.8-9<br>4.5.4-5             |
| AC2538V    |      | Snodo bilico<br><i>Pivot bearing</i>                                                | 4.3.13 16<br>4.4.12 13 - 5.1.5 |
| AC2626R*   |      | Chiusura supplementare<br><i>Additional lock</i>                                    | 4.3.10 11<br>4.5.6             |



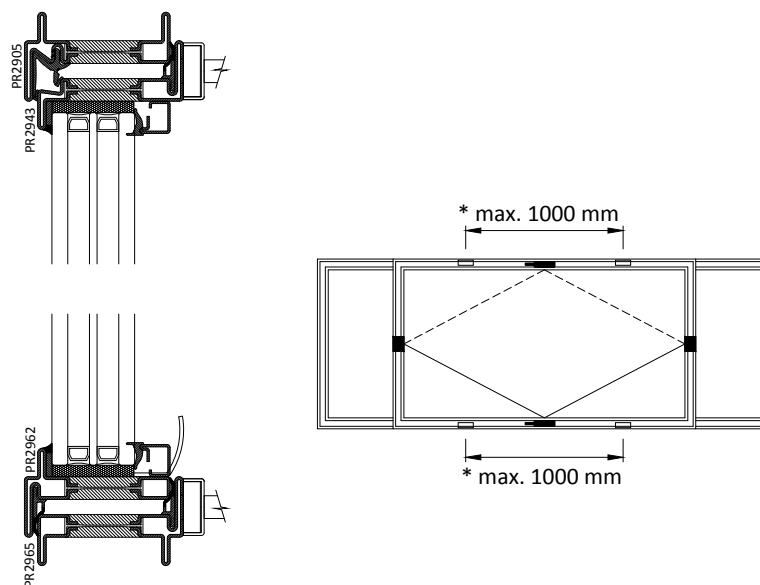
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|------------|------|-------------------------------------------------------------------------------------|------------------------------|
| AC2625 D/S |      | Kit cremonese chiusura apertura interna<br><i>Cremone bolt set inwards opening</i>  | 4.3.7<br>4.5.2-3             |
| AC2683 D/S |      | Kit cremonese chiusura apertura esterna<br><i>Cremone bolt set outwards opening</i> | 4.3.8-9<br>4.5.4-5           |
| AC2533SH   |      | Snodo bilico<br><i>Pivot bearing</i>                                                | 4.3.13 16<br>4.4.8 9 - 5.1.5 |
| AC2626R*   |      | Chiusura supplementare<br><i>Additional lock</i>                                    | 4.3.10 11<br>4.5.6           |



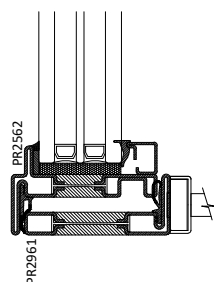
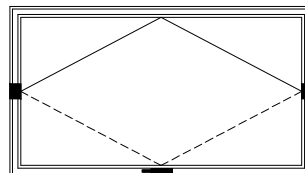
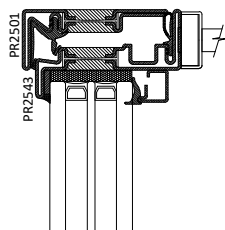
| Art.       | Code | Descrizione Description                                                             | Pag.                         |
|------------|------|-------------------------------------------------------------------------------------|------------------------------|
| AC2625 D/S |      | Kit cremonese chiusura apertura interna<br><i>Cremone bolt set inwards opening</i>  | 4.3.7<br>4.5.2-3             |
| AC2683 D/S |      | Kit cremonese chiusura apertura esterna<br><i>Cremone bolt set outwards opening</i> | 4.3.8-9<br>4.5.4-5           |
| AC2533H    |      | Snodo bilico<br><i>Pivot bearing</i>                                                | 4.3.13 16<br>4.4.6 7 - 5.1.5 |
| AC2626R*   |      | Chiusura supplementare<br><i>Additional lock</i>                                    | 4.3.10 11<br>4.5.6           |



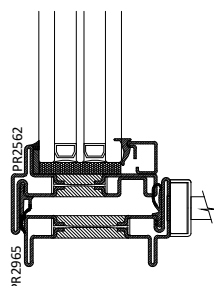
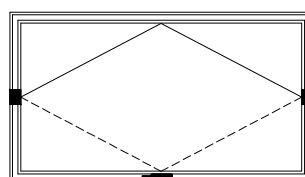
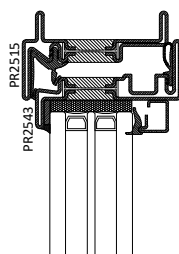
| Art.     | Code | Descrizione Description                                                             | Pag.                               |
|----------|------|-------------------------------------------------------------------------------------|------------------------------------|
| AC2625   | D/S  | Kit cremonese chiusura apertura interna<br><i>Cremone bolt set inwards opening</i>  | 4.3.7<br>4.5.2-3                   |
| AC2683   | D/S  | Kit cremonese chiusura apertura esterna<br><i>Cremone bolt set outwards opening</i> | 4.3.8-9<br>4.5.4-5                 |
| AC2537H  |      | Snodo bilico<br><i>Pivot bearing</i>                                                | 4.3.13   16<br>4.4.10   11 - 5.1.5 |
| AC2626R* |      | Chiusura supplementare<br><i>Additional lock</i>                                    | 4.3.10   11<br>4.5.6               |



| Art.     | Code | Descrizione Description                                                             | Pag.                               |
|----------|------|-------------------------------------------------------------------------------------|------------------------------------|
| AC2625   | D/S  | Kit cremonese chiusura apertura interna<br><i>Cremone bolt set inwards opening</i>  | 4.3.7<br>4.5.2-3                   |
| AC2683   | D/S  | Kit cremonese chiusura apertura esterna<br><i>Cremone bolt set outwards opening</i> | 4.3.8-9<br>4.5.4-5                 |
| AC2538H  |      | Snodo bilico<br><i>Pivot bearing</i>                                                | 4.3.13   16<br>4.4.12   13 - 5.1.5 |
| AC2626R* |      | Chiusura supplementare<br><i>Additional lock</i>                                    | 4.3.10   11<br>4.5.6               |

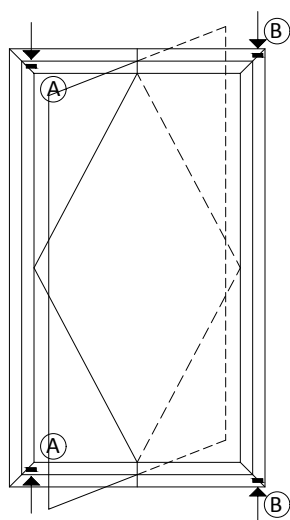
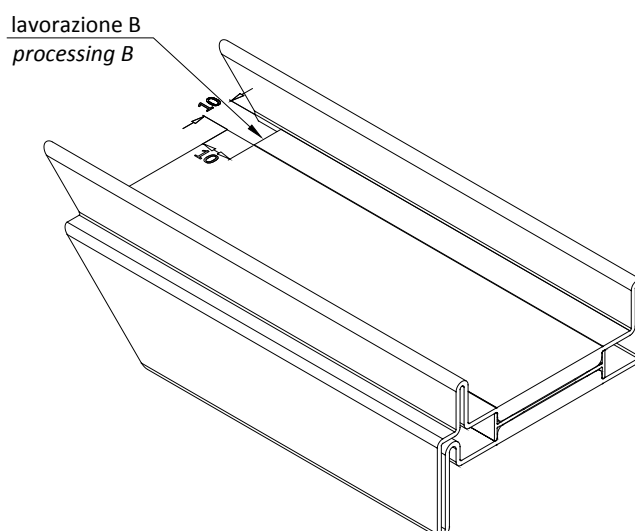
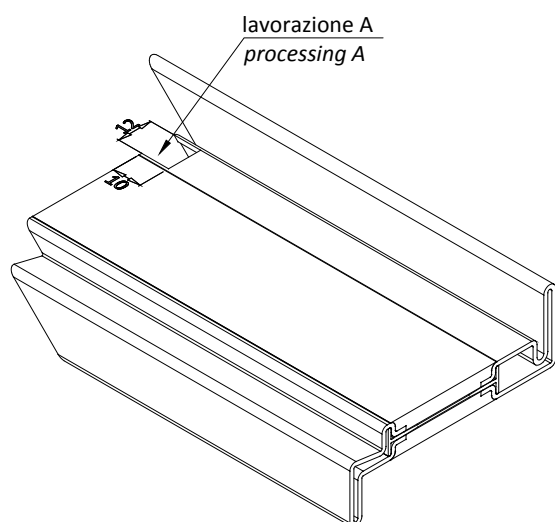
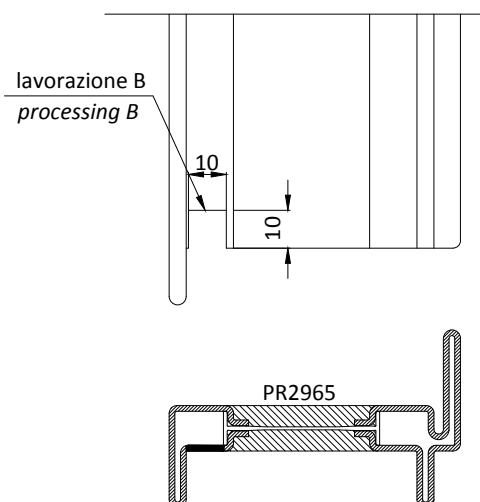
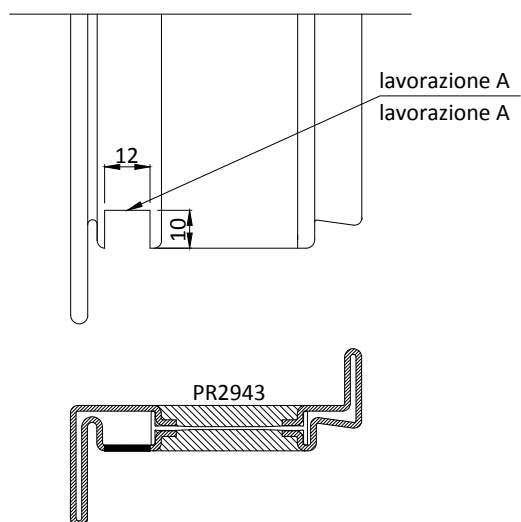


| Art.     | Code | Descrizione Description                            | Pag.                          |
|----------|------|----------------------------------------------------|-------------------------------|
| AGP580   |      | Kit cremonese chiusura<br><i>Cremone bolt set</i>  | 4.5.10<br>4.5.11              |
| AC2533SP |      | Snodo bilico 250 kg<br><i>Pivot bearing 250 kg</i> | 4.3.13   14-16<br>4.4.16   17 |

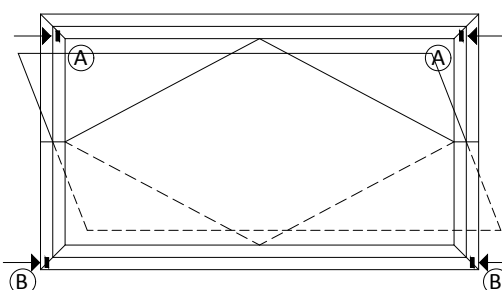


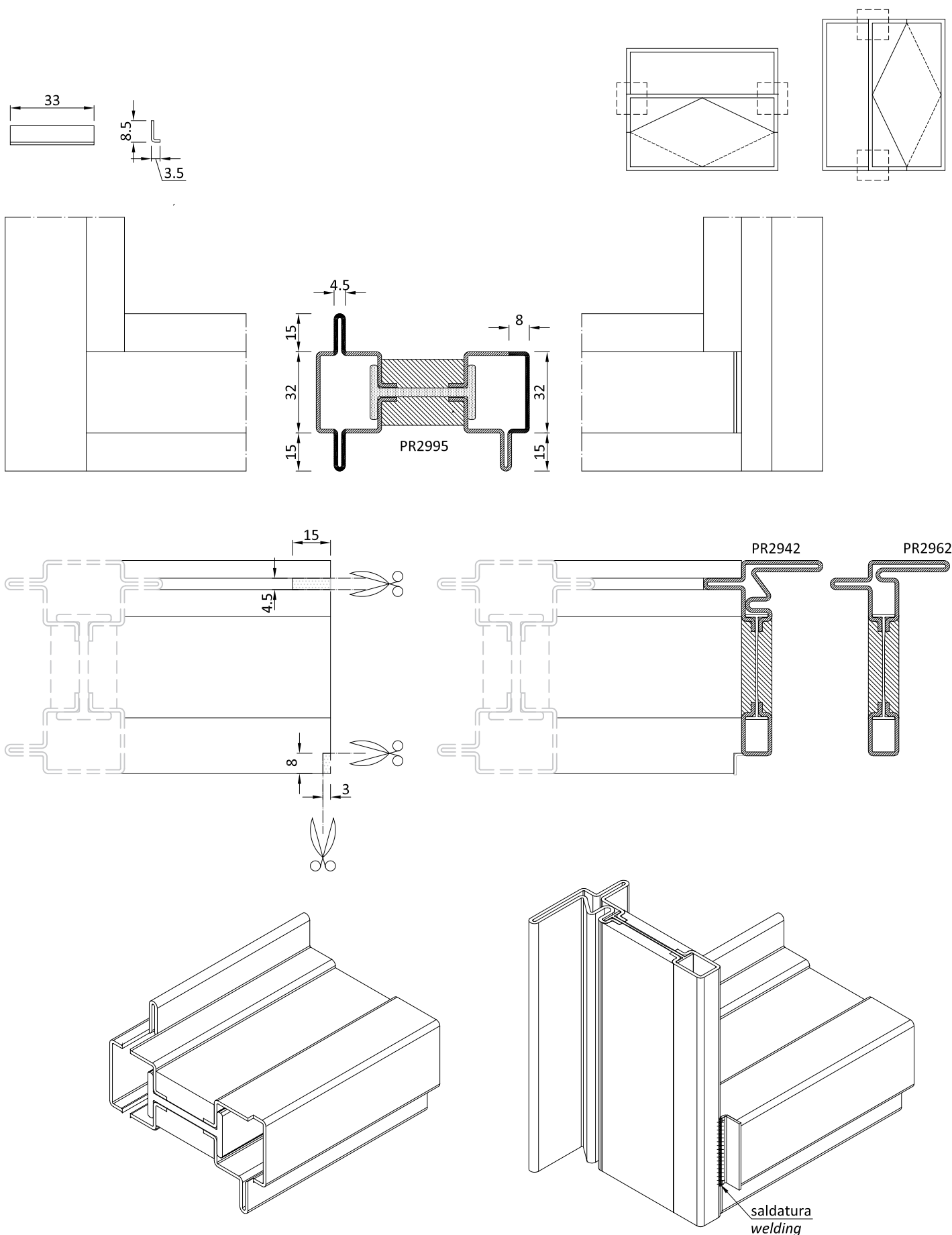
| Art.    | Code | Descrizione Description                            | Pag.                       |
|---------|------|----------------------------------------------------|----------------------------|
| AGP580  |      | Kit cremonese chiusura<br><i>Cremone bolt set</i>  | 4.5.10<br>4.5.11           |
| AC2533P |      | Snodo bilico 250 kg<br><i>Pivot bearing 250 kg</i> | 4.3.13   15<br>4.4.14   15 |



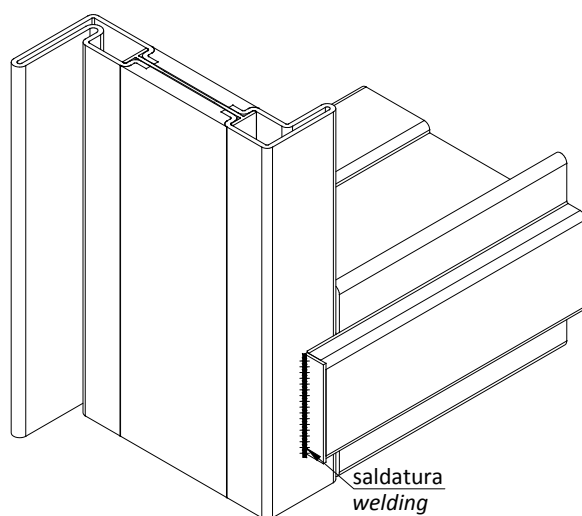
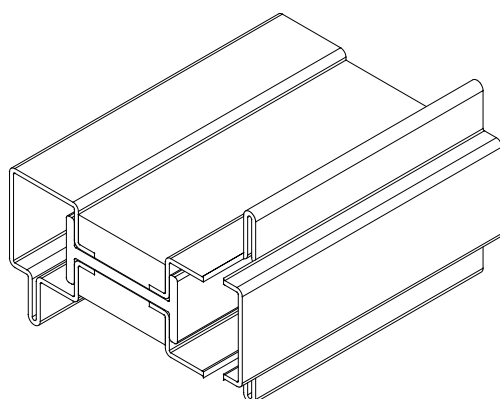
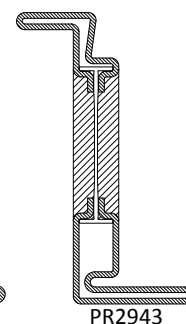
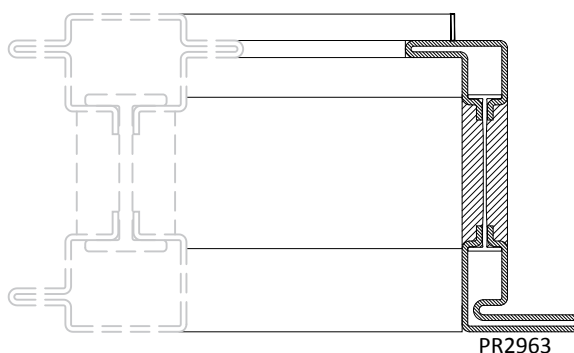
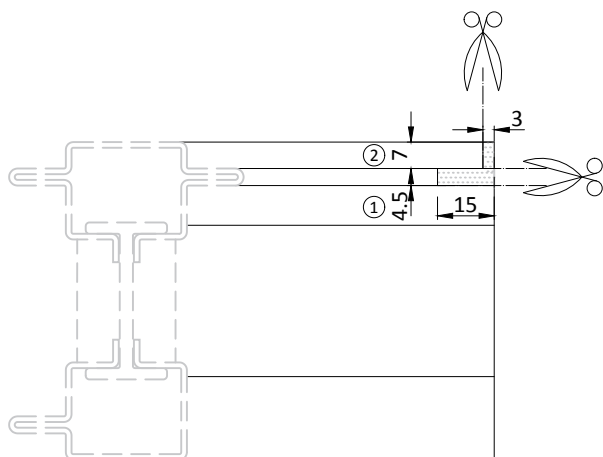
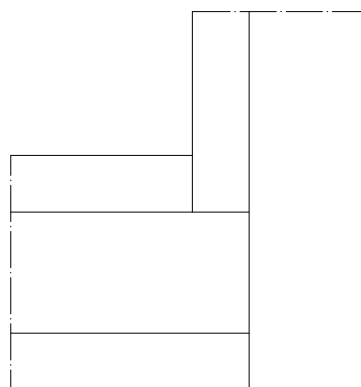
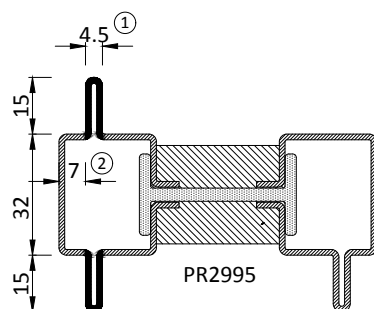
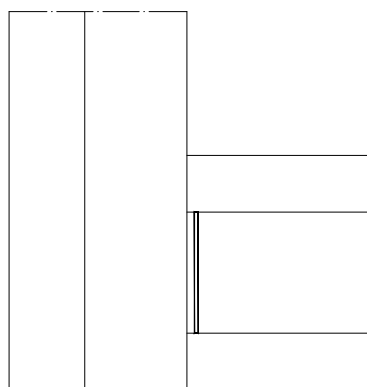
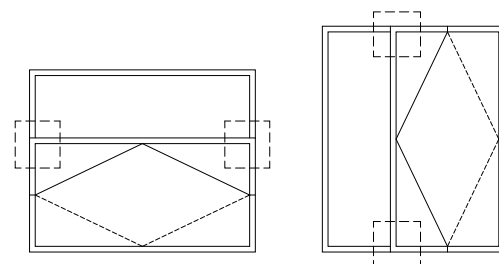
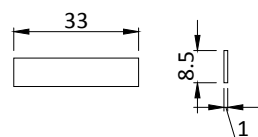


lavorazione per inserimento aste cremone  
processing for inserting cremone bolt rod

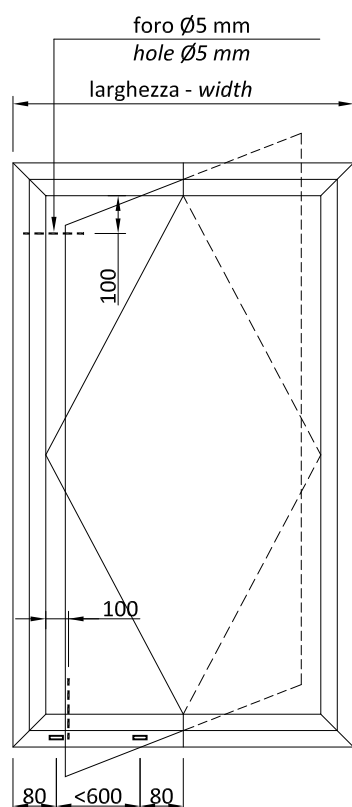
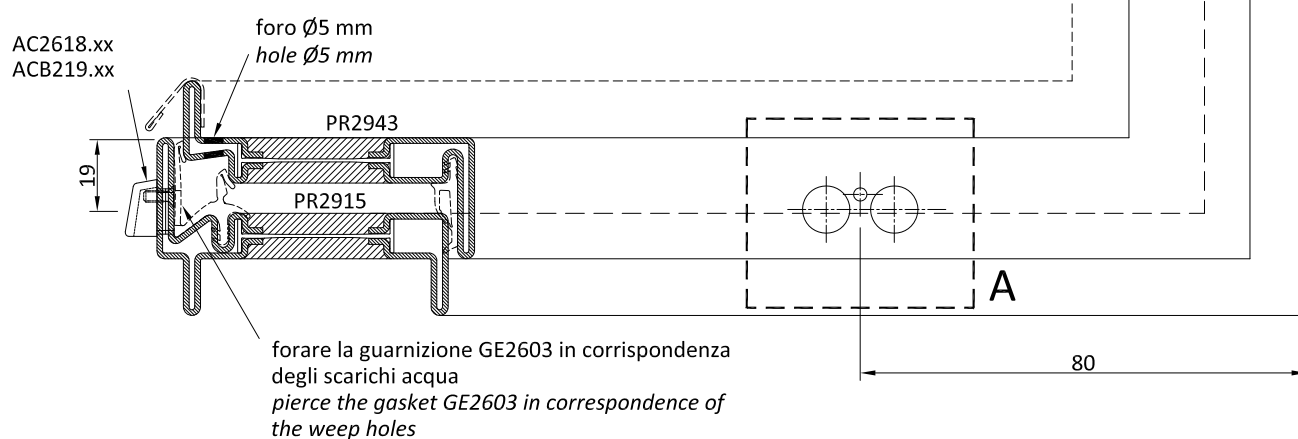
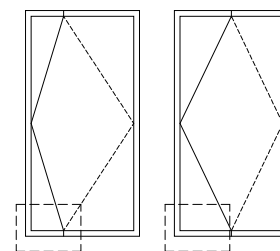
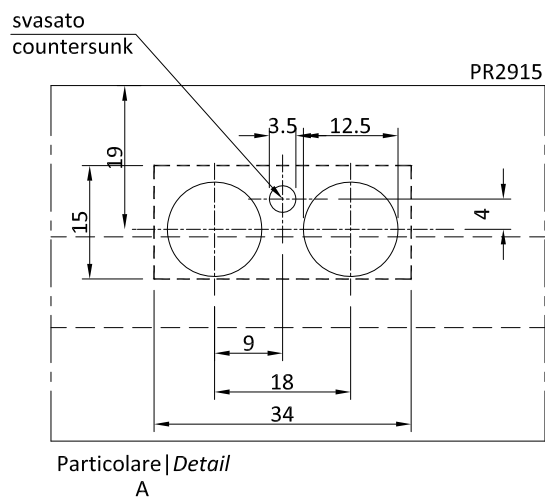


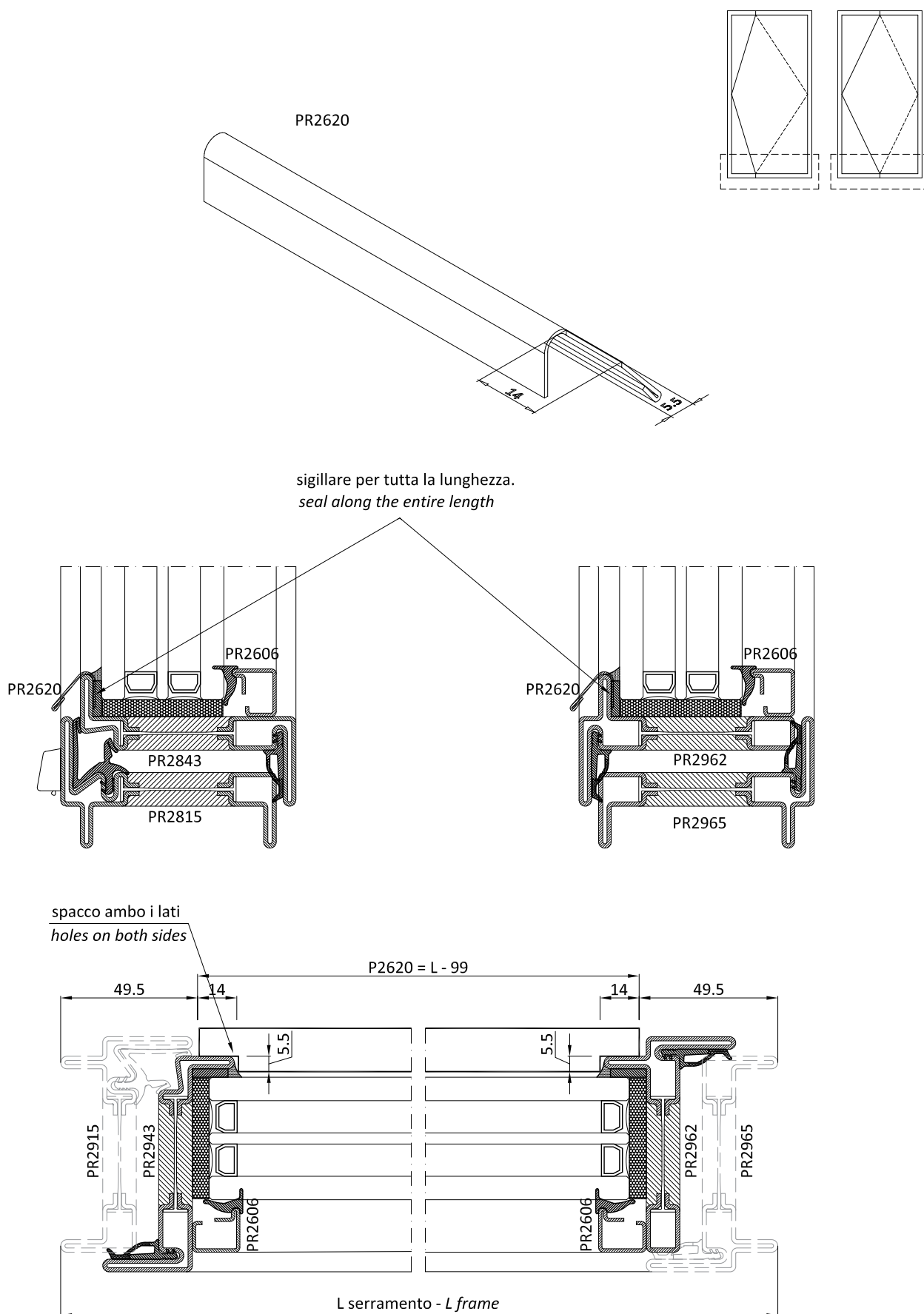


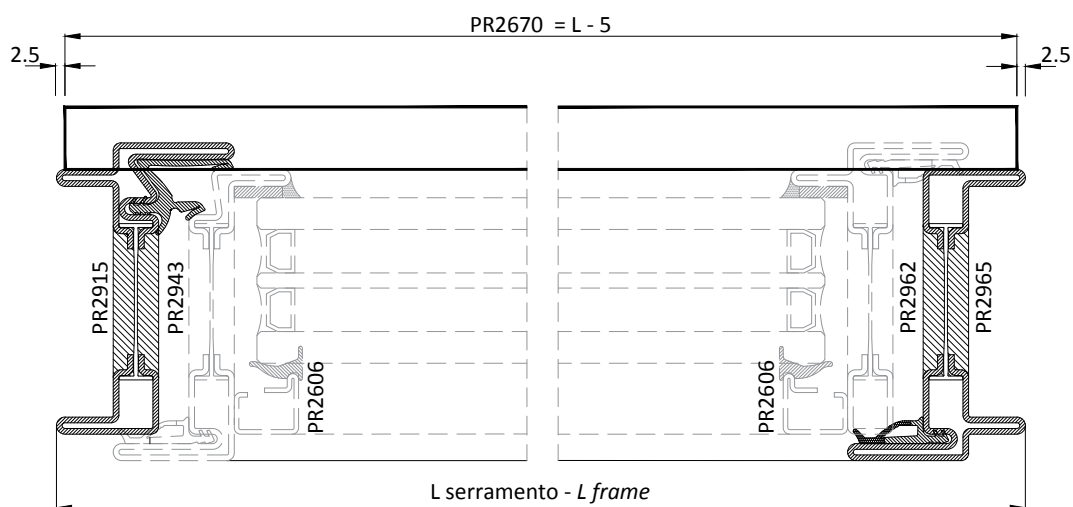
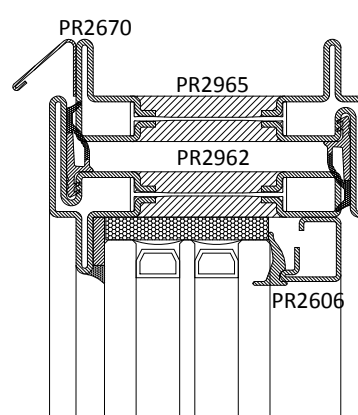
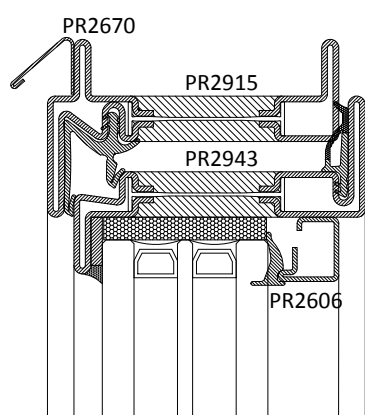
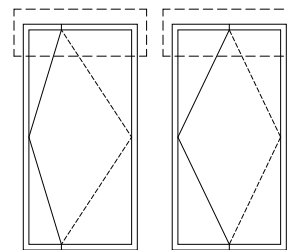
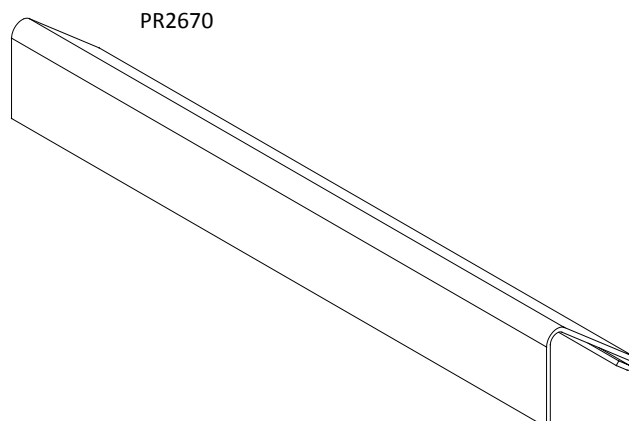
Nota: i fondini sono forniti di dimensioni maggiori da rifilare dopo la saldatura  
 Note: the fitting are provided larger by trimming after welding

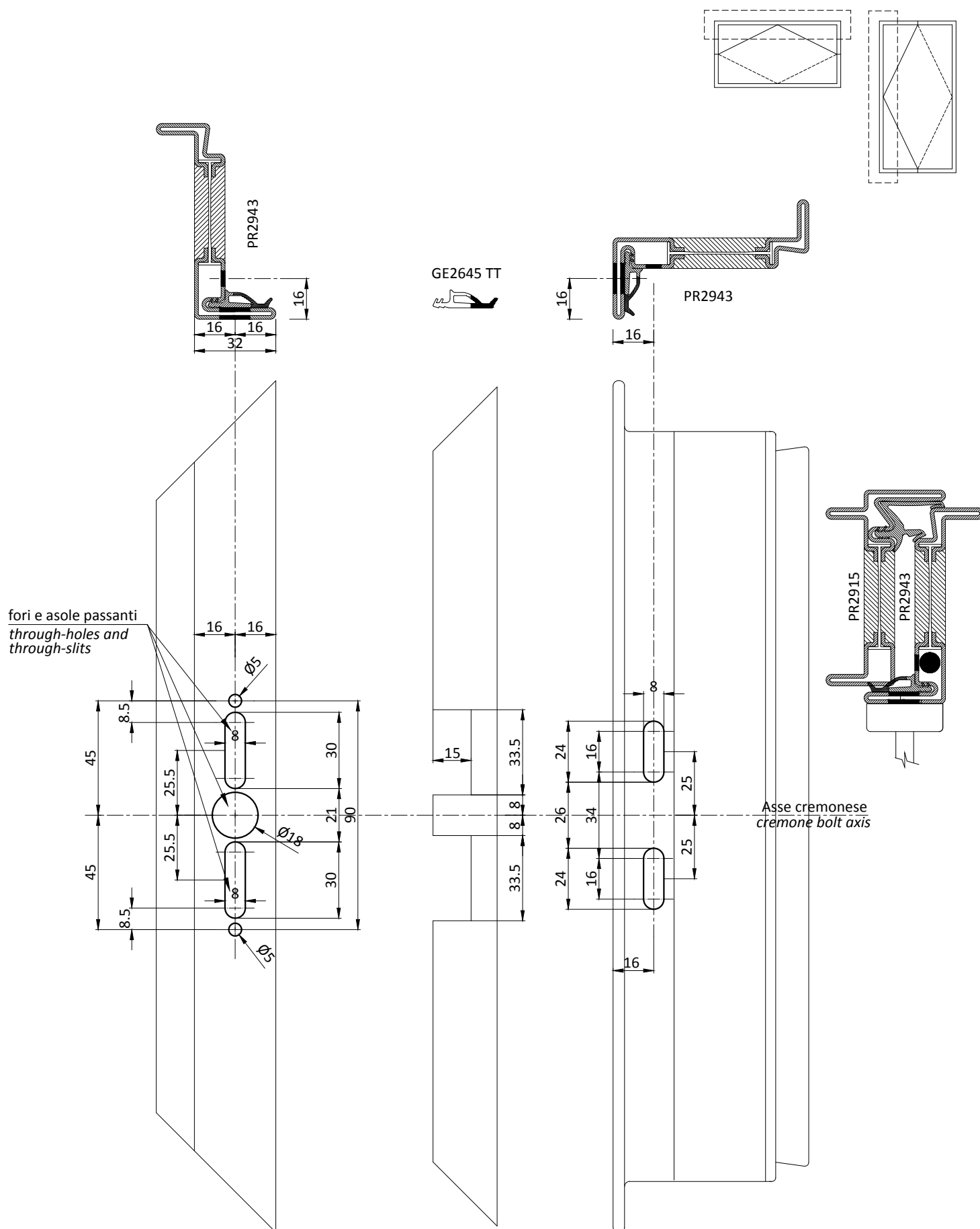


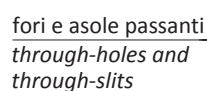
Nota: i fondini sono forniti di dimensioni maggiori da rifilare dopo la saldatura  
Note: the fitting are provided larger by trimming after welding



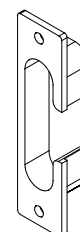
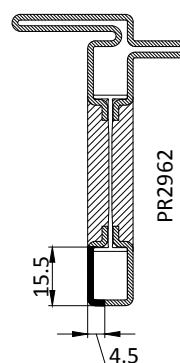
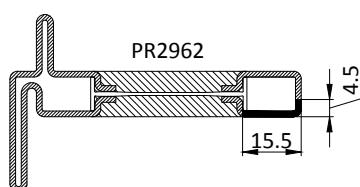
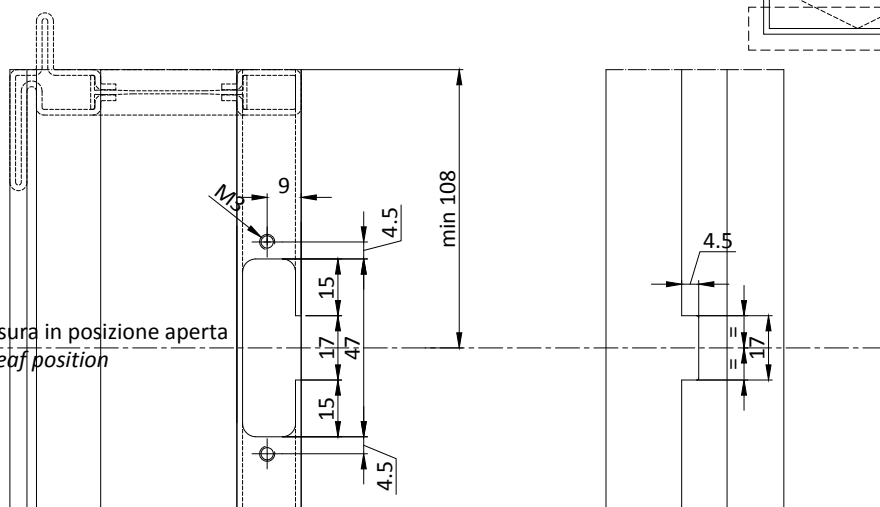
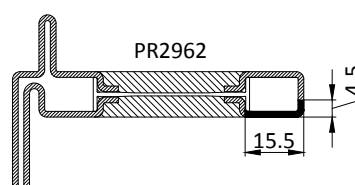
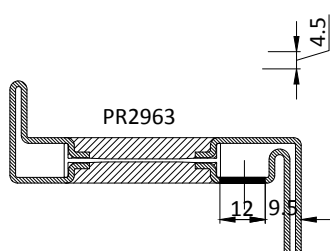
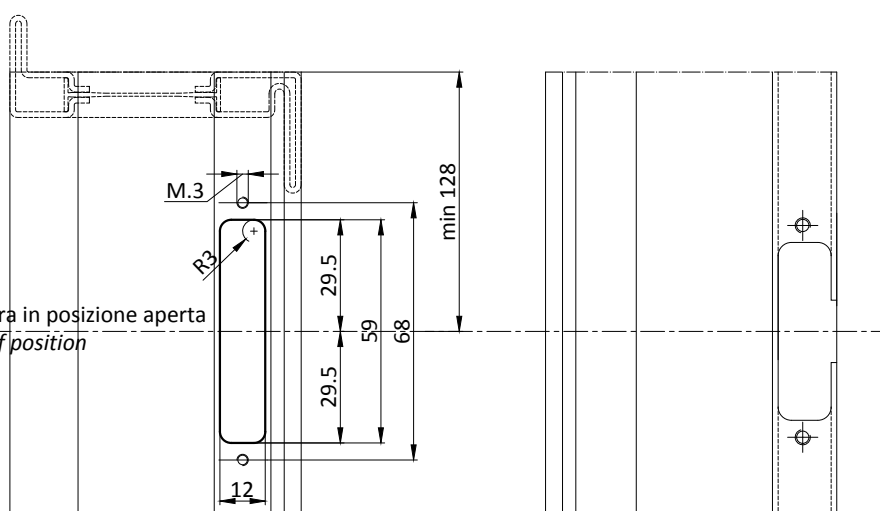


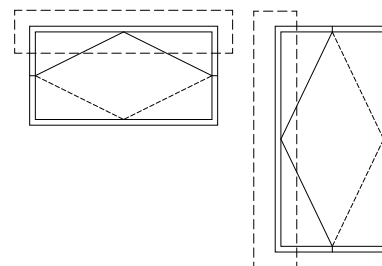






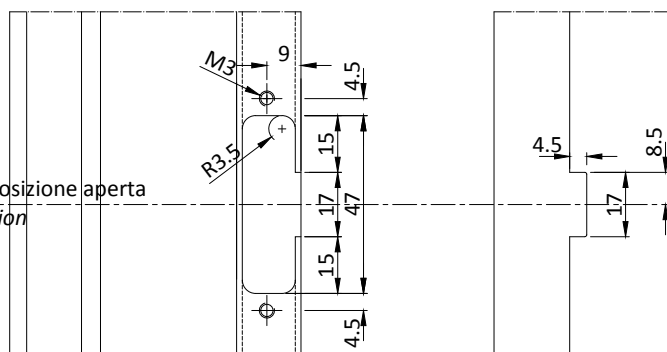


lavorazione applicazione incontro  
Processing for strike plate installationasse nottolino 3<sup>a</sup> chiusura in posizione aperta  
3rd plug axis in open leaf positionIncontro 3<sup>a</sup> chiusura  
3rd lock strike platelavorazione applicazione nottolino  
Processing for plug installationasse nottolino 3<sup>a</sup> chiusura in posizione aperta  
3rd plug axis in open leaf position



lavorazione applicazione incontro  
Processing for the installation of the strike plate

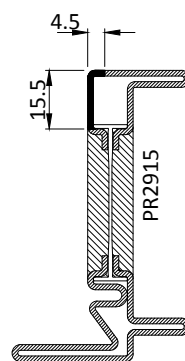
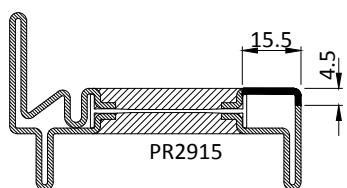
asse nottolino 3<sup>a</sup> chiusura in posizione aperta  
3rd plug axis in open leaf position



Incontro 3<sup>a</sup> chiusura  
3rd lock strike plate

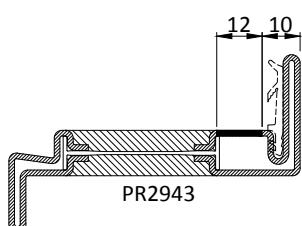
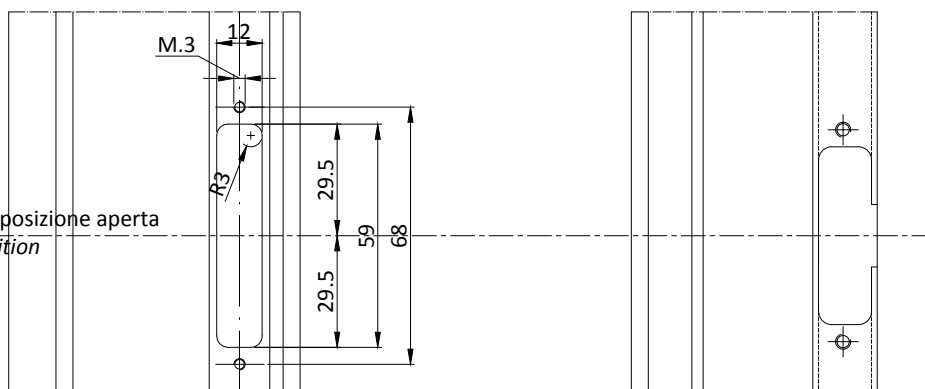
N.B.: Distanza massima tra i punti  
di chiusura 1000 mm

N.B.: Distance between the closing  
points max. 1000 mm

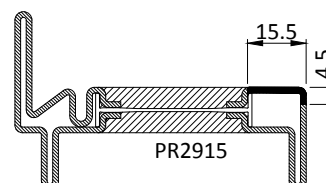


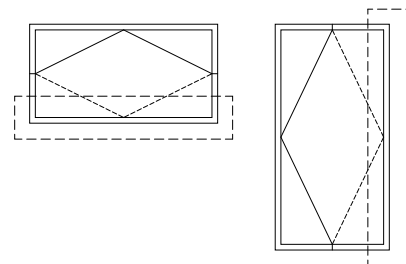
lavorazione applicazione nottolino  
Processing for plug installation

asse nottolino 3<sup>a</sup> chiusura in posizione aperta  
3rd plug axis in open leaf position



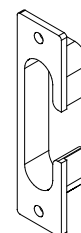
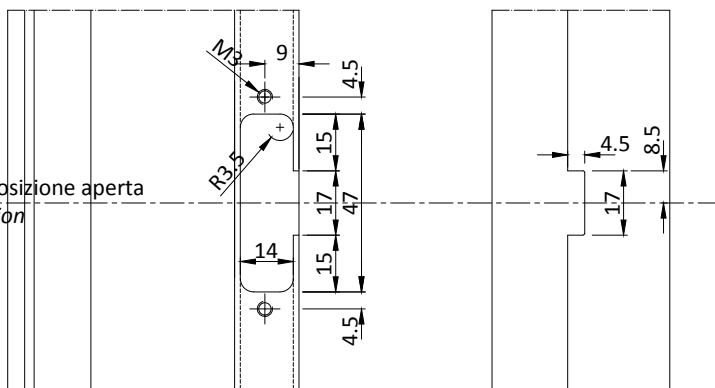
tagliare la  
guarnizione  
dove interseca  
la chiusura  
cut the gasket  
in correspondence  
of closure





lavorazione applicazione incontro  
Processing for the installation of the strike plate

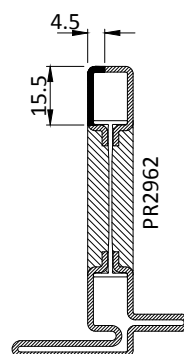
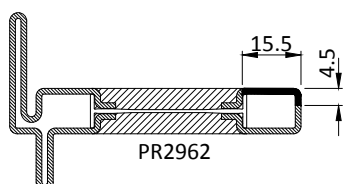
asse nottolino 3<sup>a</sup> chiusura in posizione aperta  
3rd plug axis in open leaf position



Incontro 3<sup>a</sup> chiusura  
3rd lock strike plate

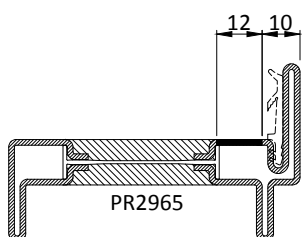
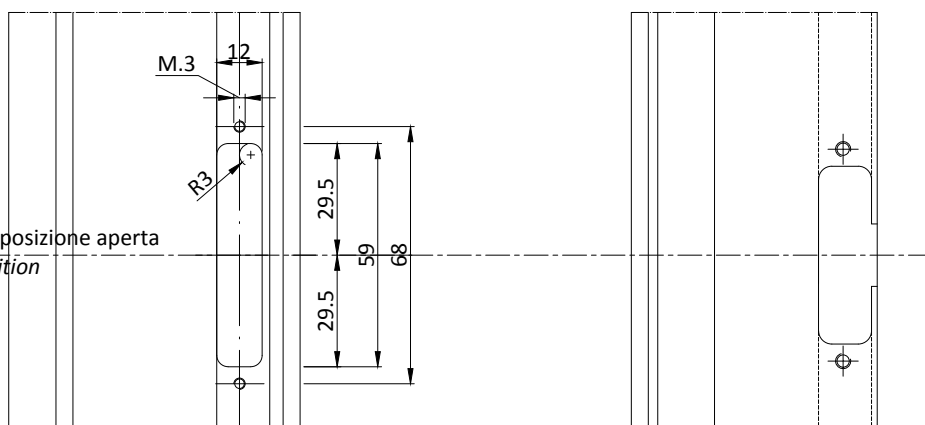
N.B.: Distanza massima tra i punti  
di chiusura 1000 mm

N.B.: Distance between the closing  
points max. 1000 mm

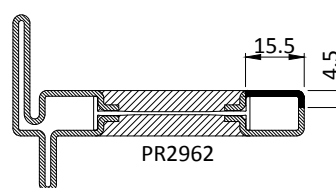


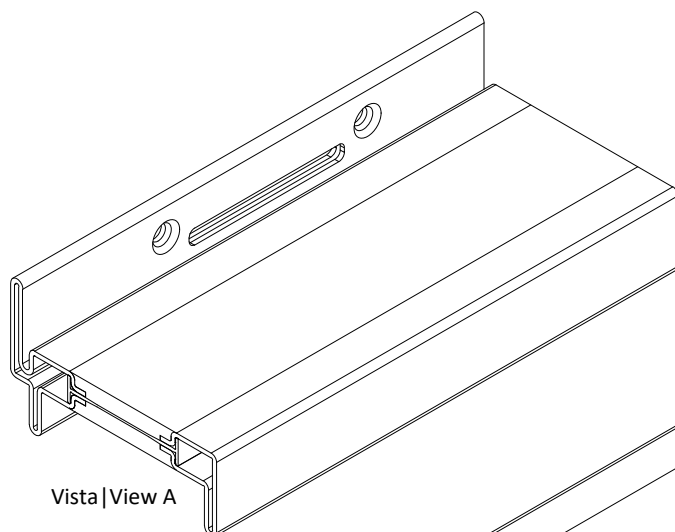
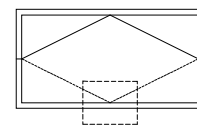
lavorazione applicazione nottolino  
Processing for plug installation

asse nottolino 3<sup>a</sup> chiusura in posizione aperta  
3rd plug axis in open leaf position

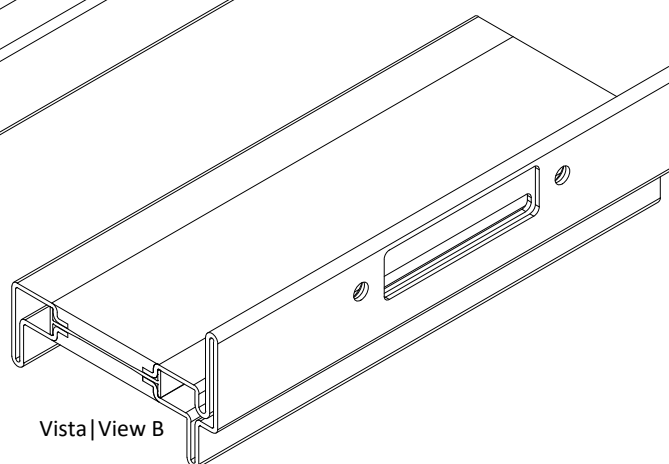


tagliare la  
guarnizione  
dove interseca  
la chiusura  
cut the gasket  
in correspondence  
of closure

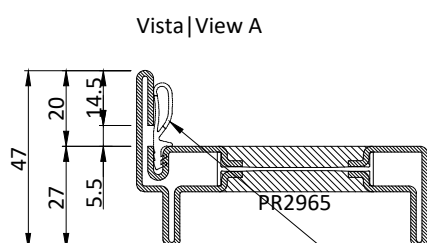




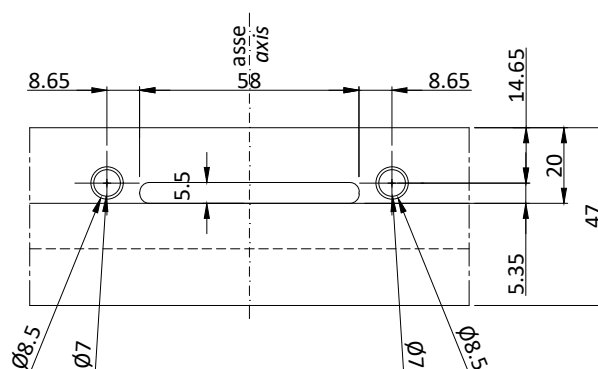
Vista | View A



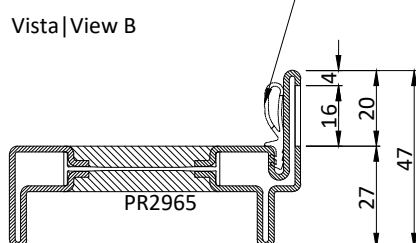
Vista | View B



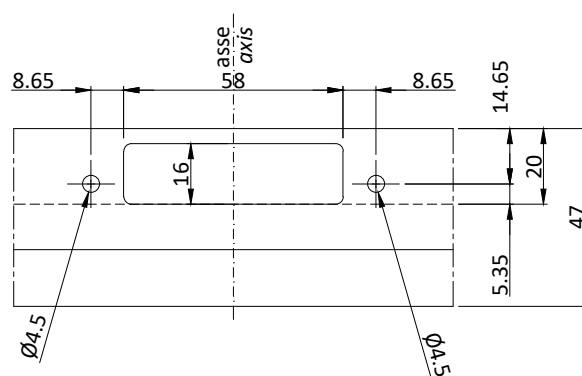
Vista | View A

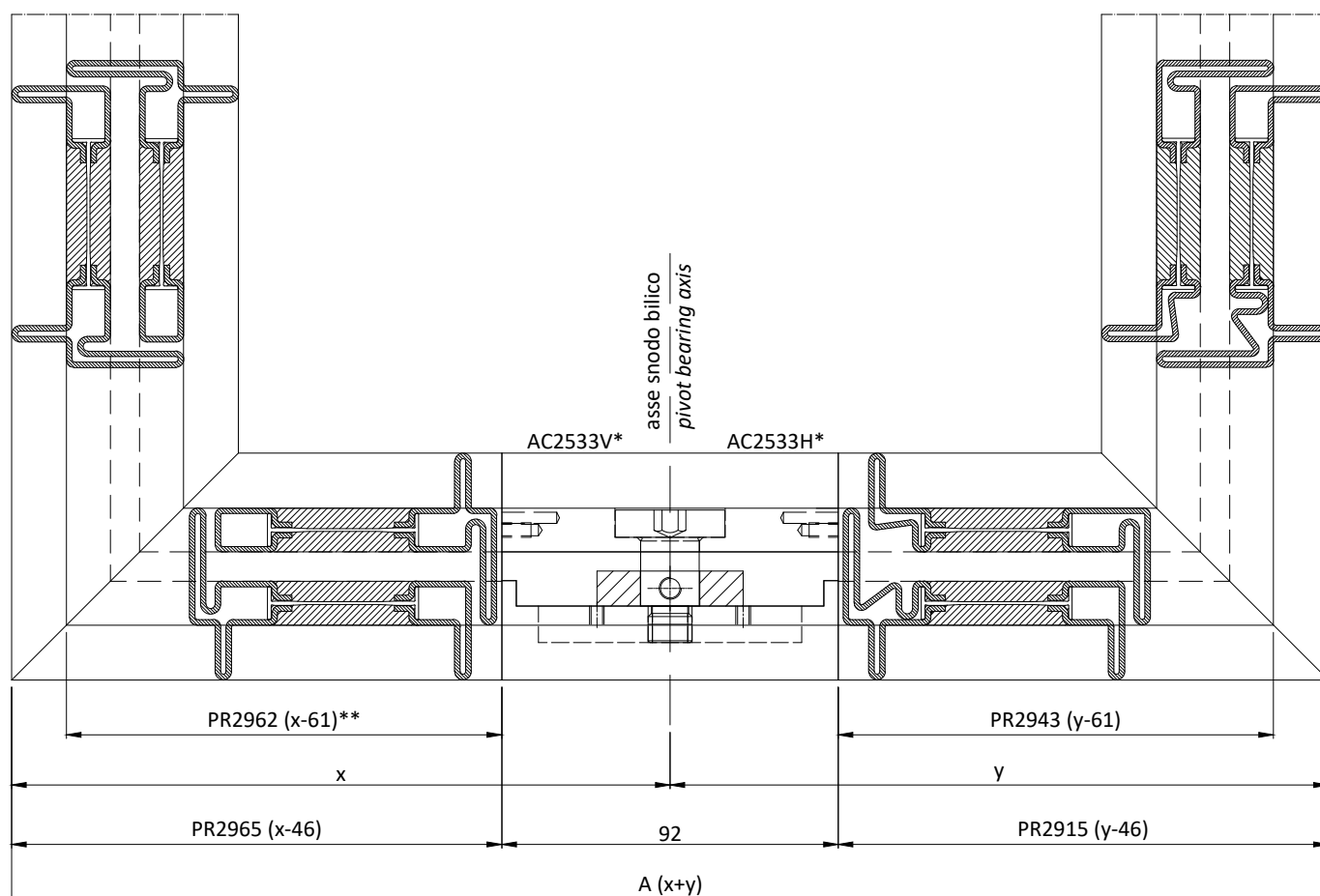
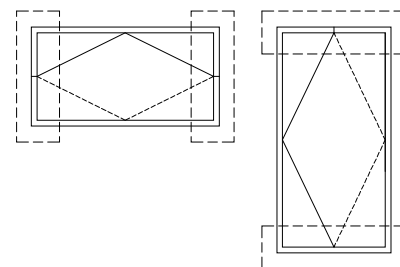


forare la guarnizione GE2543 in corrispondenza del foro maniglia  
Pierce the gasket GE2543 in correspondence of the handle hole



Vista | View B



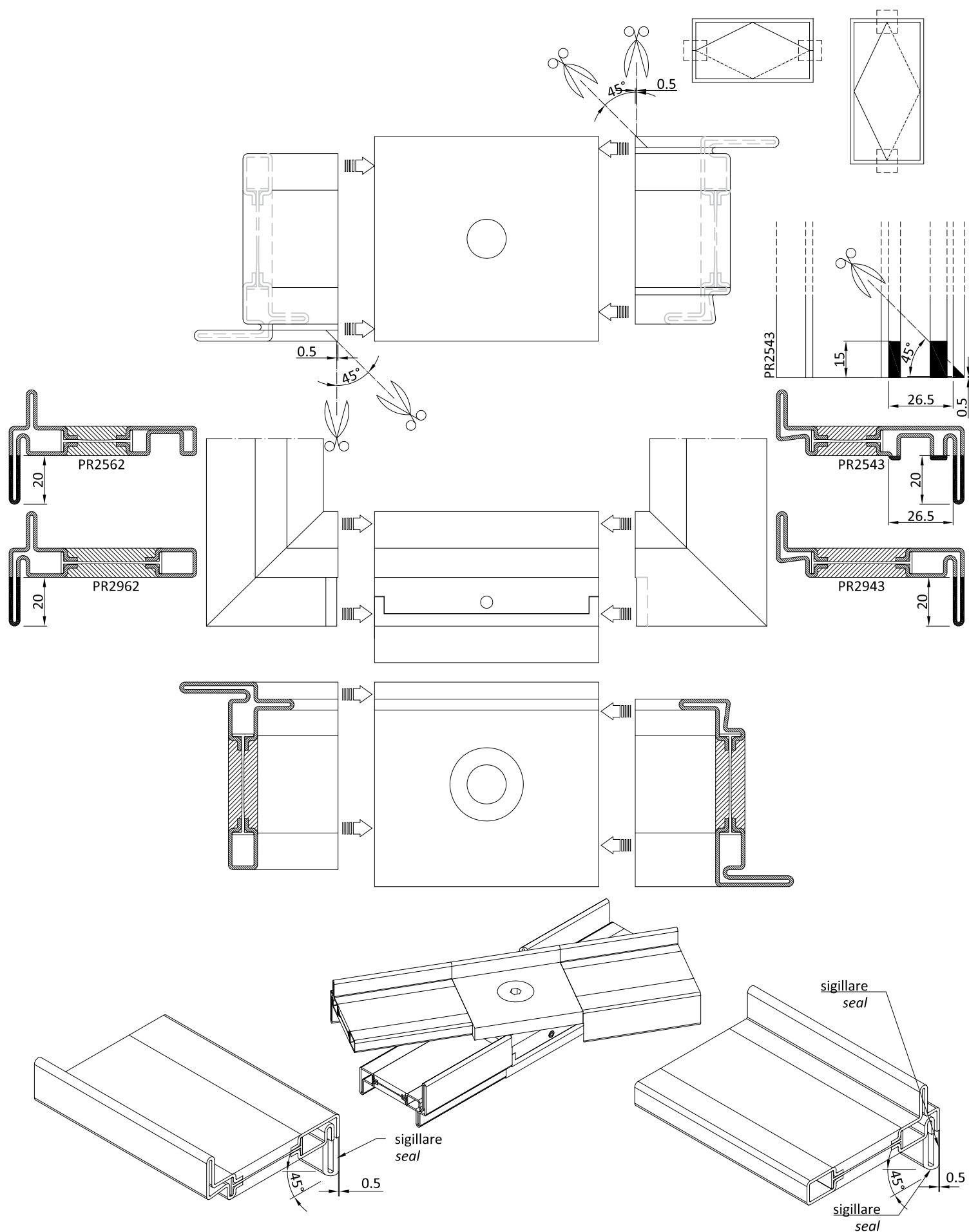


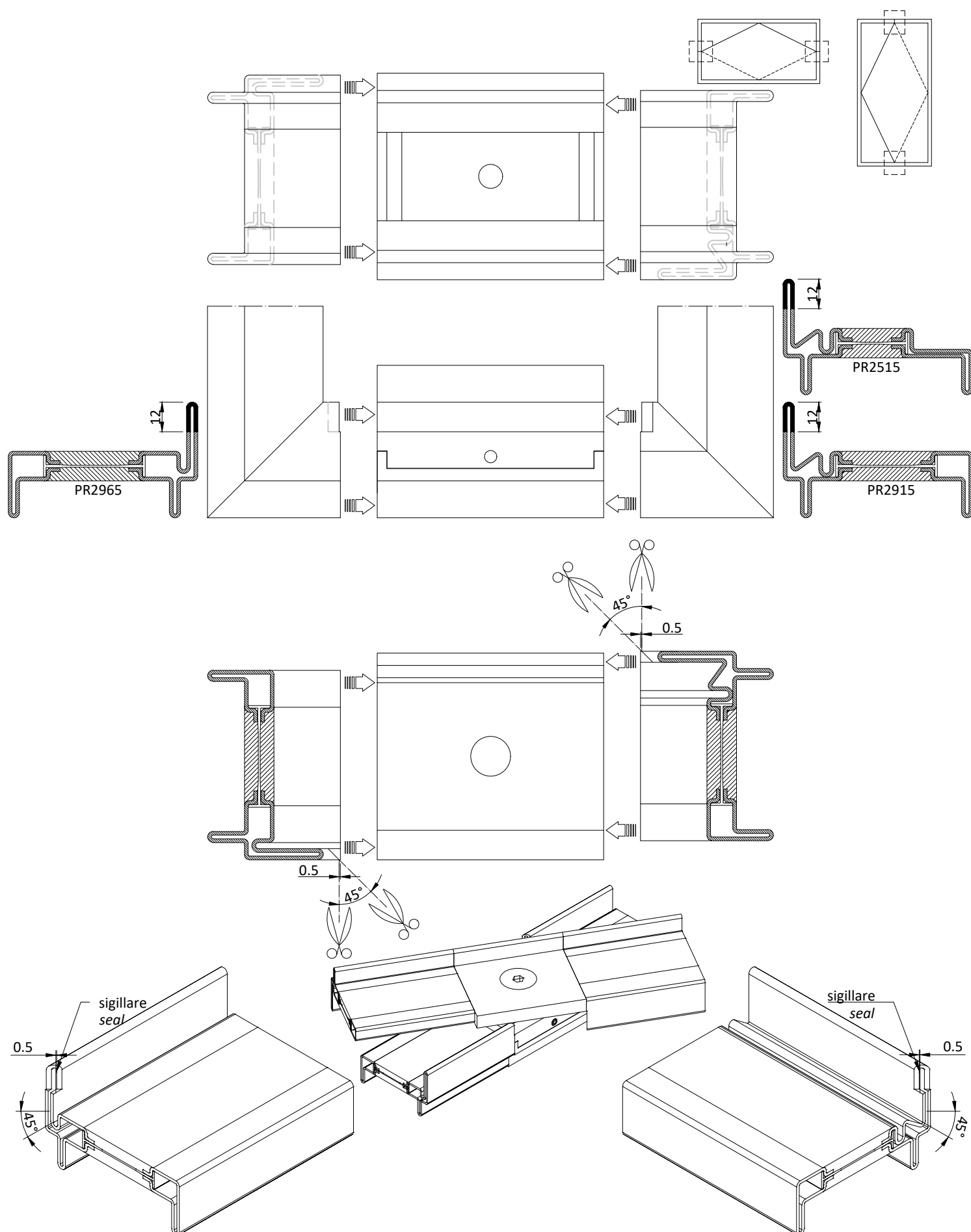
\* Indicazioni valide anche per soluzione con partizioni fisse superiori e inferiori  
(AC2533SV - AC2537V - AC2538V - AC2533SH - AC2537SH - AC2538H)

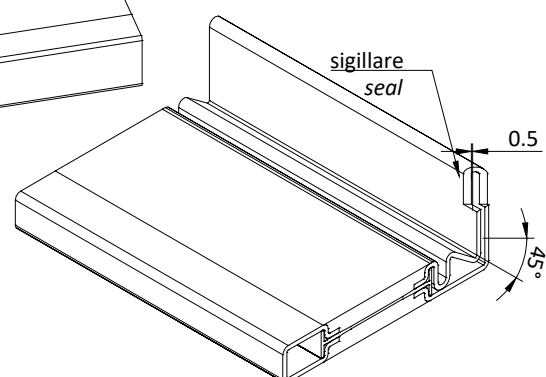
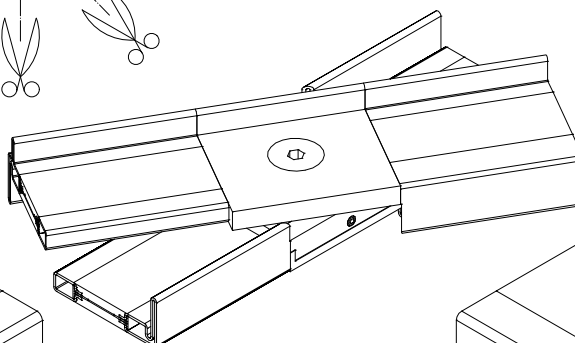
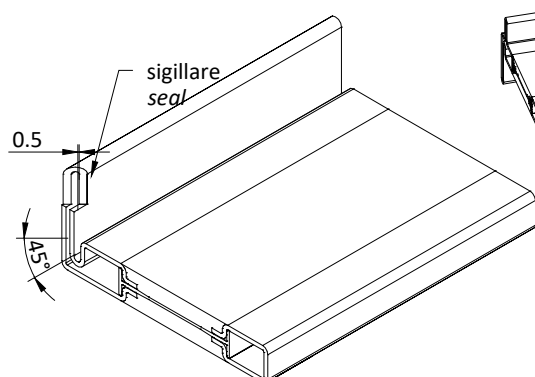
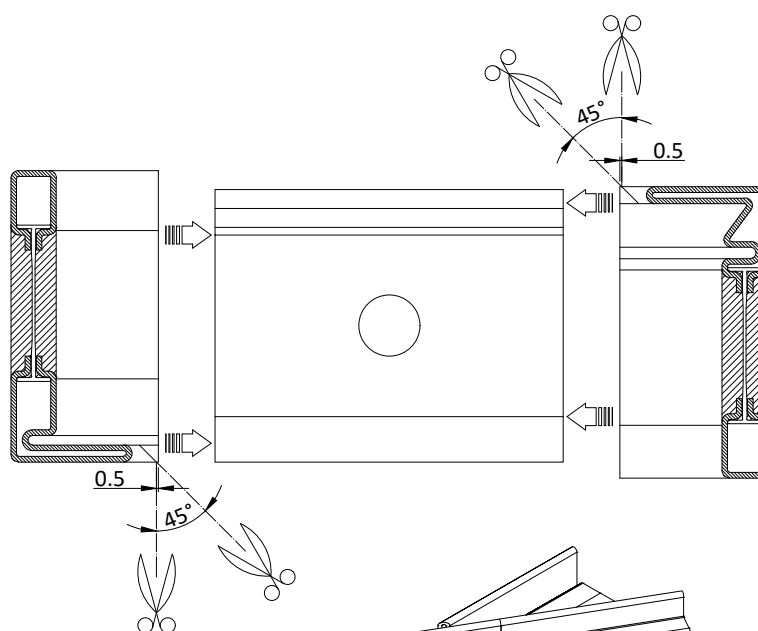
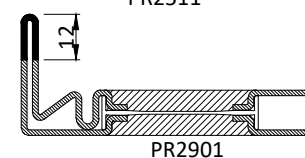
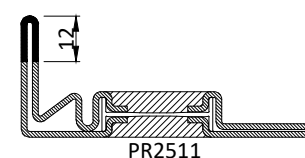
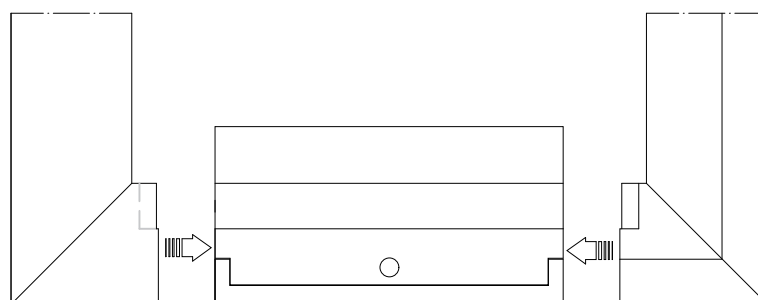
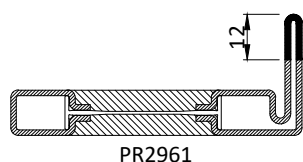
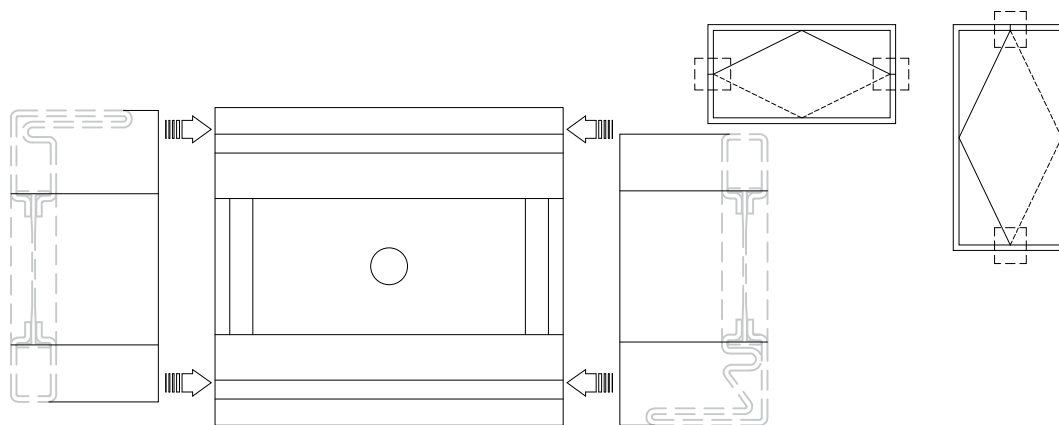
\* Instruction valid also for the solution with upper and bottom fixed frames  
(AC2533SV - AC2537V - AC2538V - AC2533SH - AC2537H - AC2538H)

\*\* per soluzioni con cerniera AC2533P - AC2533SP, altezza profilo PR2962 (x-63 → Lista di taglio pg.4.2.5)

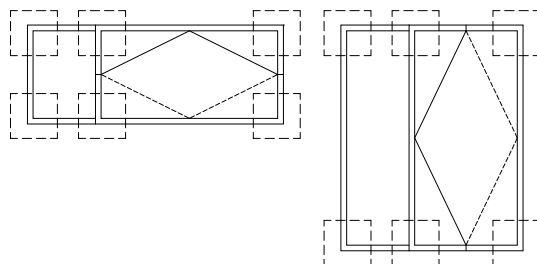
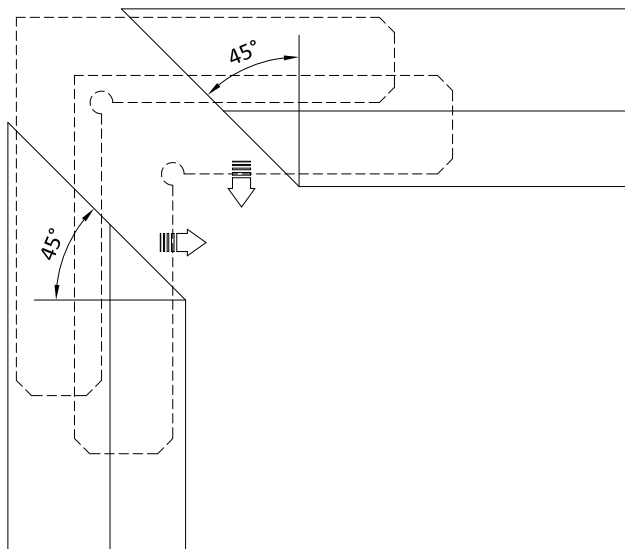
\*\*for the pivot hinges AC2533P - AC2533SP, height PR2962 (x-63 → Cut list pg.4.2.5)





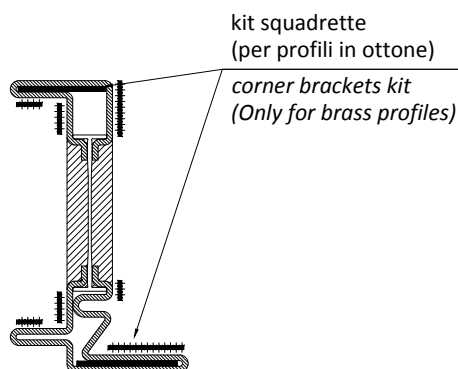
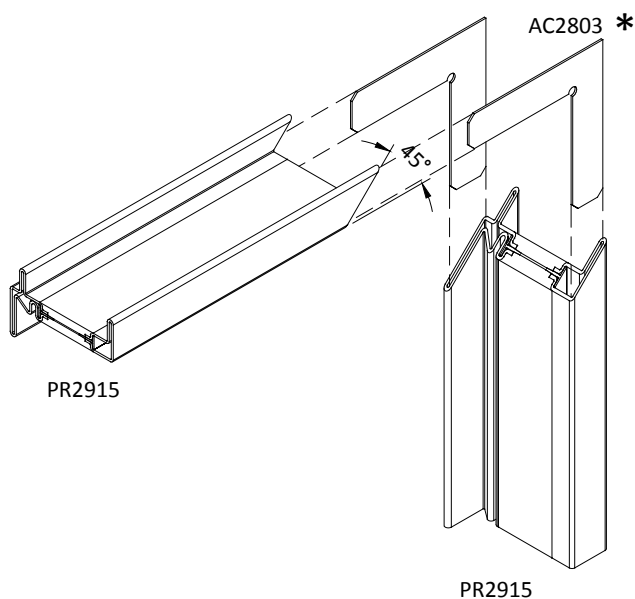






| Profilo       | Profile | Kit squadrette | Corner brackets set |
|---------------|---------|----------------|---------------------|
| Codice        | Code    | Codice         | Code                |
| PR2901-PR2901 |         | AC 2801I       |                     |
| PR2903-PR2903 |         | AC 2803I       |                     |
| PR2915-PR2915 |         | AC 2803I       |                     |
| PR2942-PR2942 |         | AC 2801I       |                     |
| PR2943-PR2943 |         | AC 2843I       |                     |
| PR2901-PR2942 |         | AC 2801I       |                     |
| PR2903-PR2942 |         | AC 2801I       |                     |
| PR2915-PR2942 |         | AC 2801I       |                     |
| PR2961-PR2961 |         | AC 2801I       |                     |
| PR2962-PR2962 |         | AC 2862I       |                     |
| PR2963-PR2963 |         | AC 2803I       |                     |
| PR2965-PR2965 |         | AC 2865I       |                     |
| PR2962-PR2963 |         | AC 2801I       |                     |
| PR2965-PR2963 |         | AC 2803I       |                     |

| Profilo       | Profile | Kit squadrette | Corner brackets set |
|---------------|---------|----------------|---------------------|
| Codice        | Code    | Codice         | Code                |
| PR2971-PR2971 |         | AC 2871I       |                     |
| PR2972-PR2972 |         | AC 2872I       |                     |
| PR2973-PR2973 |         | AC 2853I       |                     |
| PR2974-PR2974 |         | AC 2855I       |                     |
| PR2975-PR2975 |         | AC 2875I       |                     |
| PR2991-PR2991 |         | AC 2891I       |                     |
| PR2992-PR2992 |         | AC 2892I       |                     |
| PR2993-PR2993 |         | AC 2892I       |                     |
| PR2995-PR2995 |         | AC 2895I       |                     |
| PR2503-PR2503 |         | AC 2803IR      |                     |
| PR2542-PR2542 |         | AC 2803IR      |                     |
| PR2505-PR2505 |         | AC 2805IR      |                     |
| PR2511-PR2511 |         | AC 2811IR      |                     |
| PR2515-PR2515 |         | AC 2815IR      |                     |
| PR2522-PR2522 |         | AC 2822IR      |                     |
| PR2543-PR2543 |         | AC 2843IR      |                     |
| PR2562-PR2562 |         | AC 2862IR      |                     |

**Ottone**

Utilizzare le squadrette di allineamento, sigillare tutte le superfici di contatto tra i profili che non vanno saldate.

Saldare a TIG con materiale di riporto nelle zone indicate con

**Brass**

Use corner brackets, seal all surfaces in touch with profiles that are not to be seam-welded.

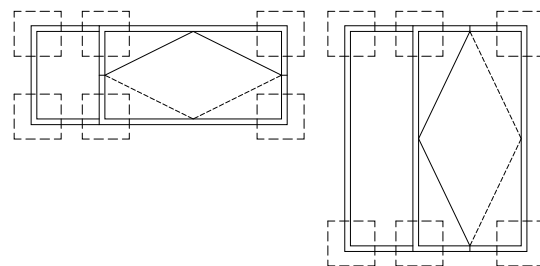
TIG welding with filler material in the areas indicated with

**Acciaio zincato - Acciaio Corten - Acciaio inox**

Saldare in continuo le superfici di contatto.

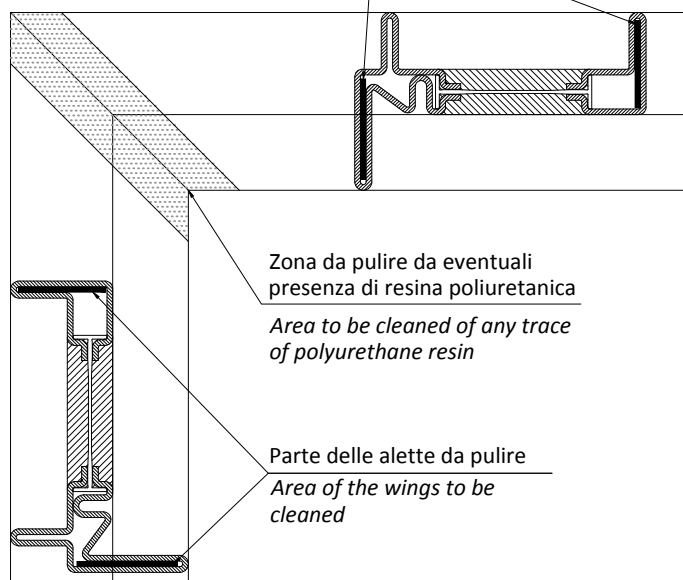
**Galvanised steel - Cor-ten steel - Stainless steel**

Seam-weld all contact surfaces.



Parte delle alette da pulire

Area of the wings to be cleaned

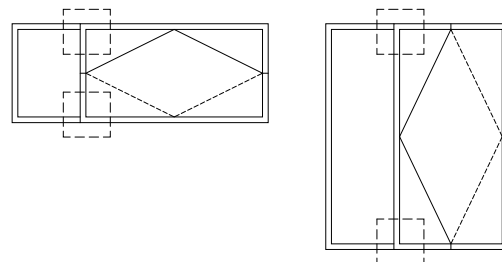
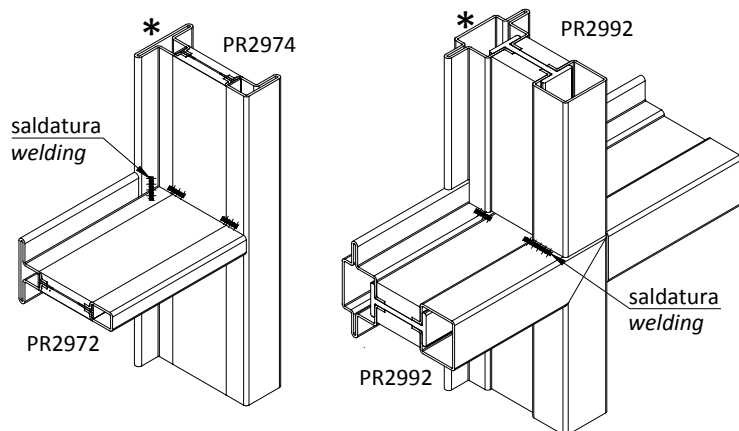


N.B. Prima di saldare l'angolo del profilo eliminare l'eventuale resina poliuretanica presente all'interno dell'aletta scaldando leggermente il profilo stesso per circa 20 mm in modo da sciogliere la resina ed eliminare le impurità presenti

ATTN. Before welding the corner please remove any trace of polyurethane resin in the internal side of casin, heating the profile for ca. 20 mm to melt the resin and remove in this way all other impurities.

\* Esempio "tipo" di giunzione angolare OS2 in OT67 indicativa per tutte le unioni angolari a 45°  
Per scelta squadrette vedi tabella a pag. 4.4.1

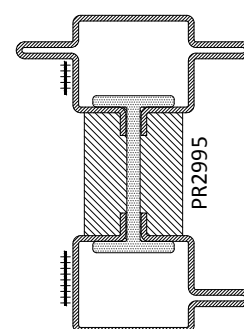
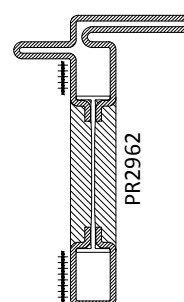
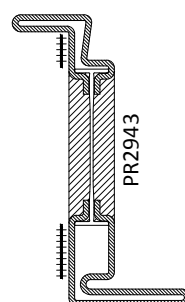
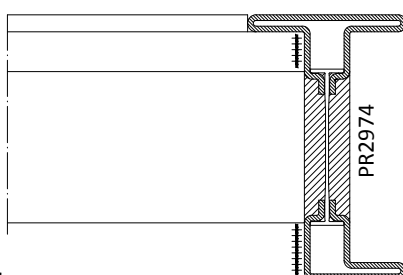
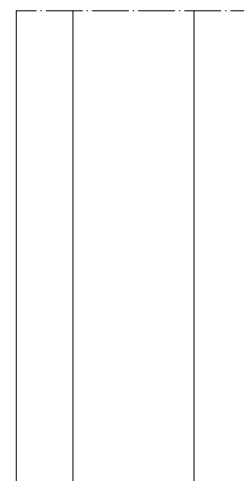
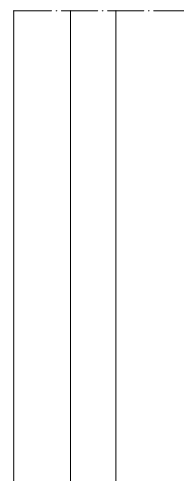
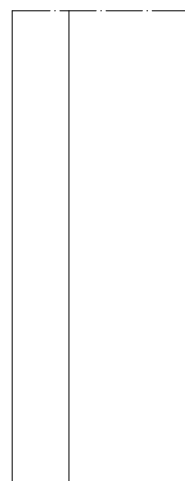
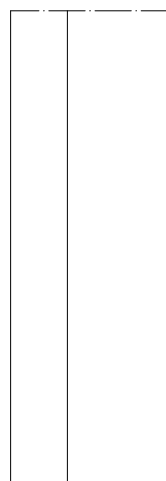
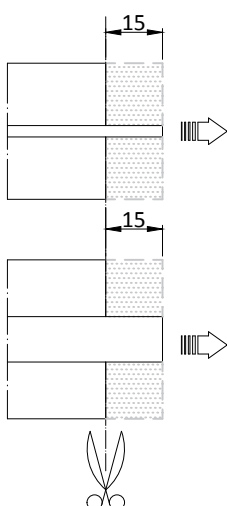
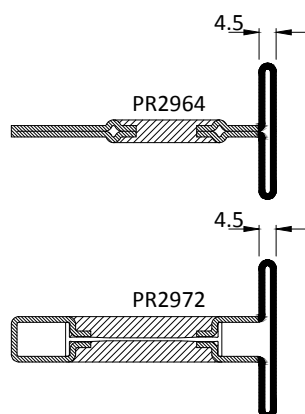
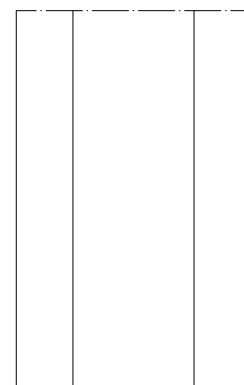
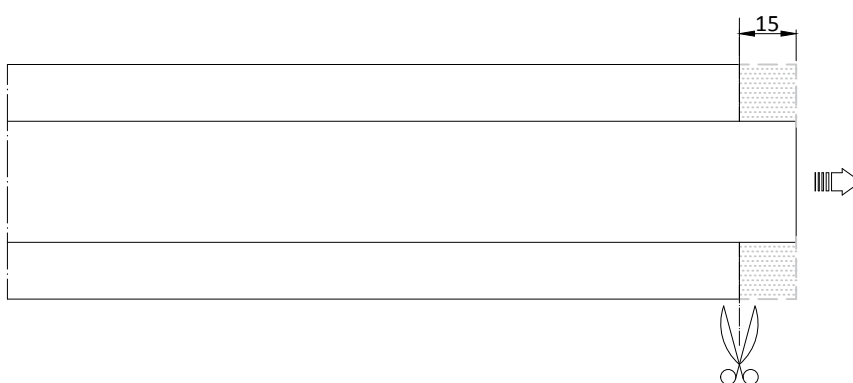
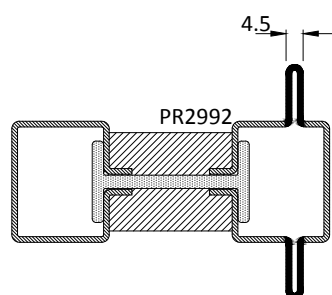
\* Example of corner connection for OS2 element in brass OT67 applicable to all 45° corner connection.  
To choose the right corner bracket see table at page 4.4.1.

**Ottone**Saldare a TIG con materiale di riporto nelle zone indicate con **Brass**TIG welding with filler material in the areas indicated with **Acciaio zincato - Acciaio Corten - Acciaio inox**

Saldare in continuo le superfici di contatto.

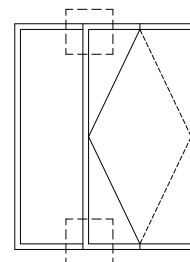
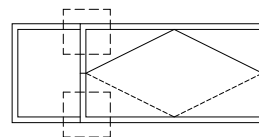
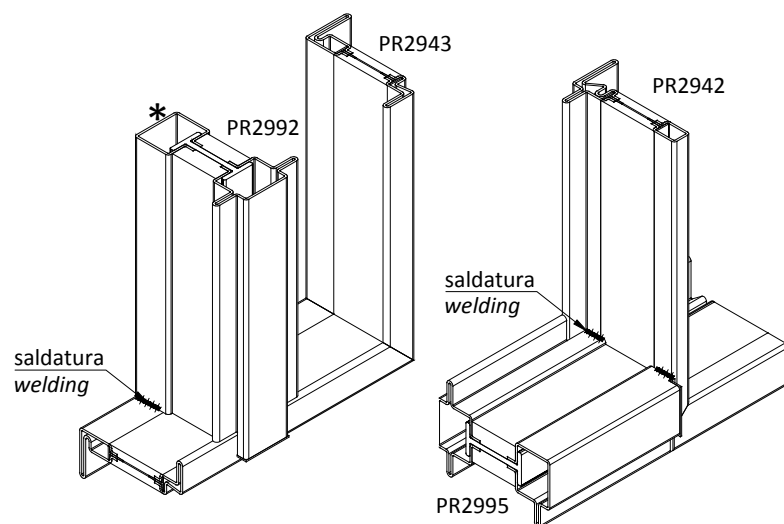
**Galvanised steel - Cor-ten steel - Stainless steel**

Seam-weld all contact surfaces.



\* Esempi "tipo" di giunzione a "T"

\* Example of "T" connection for OS2

Ottone

Saldare a TIG con materiale di riporto nelle zone indicate con +++++

Brass

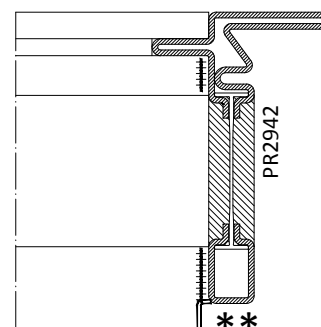
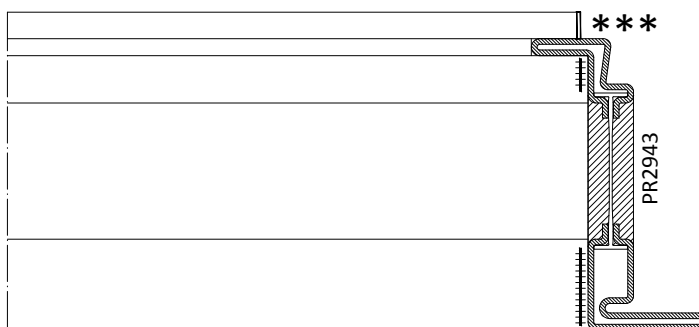
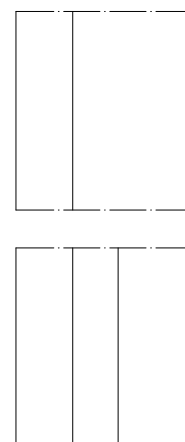
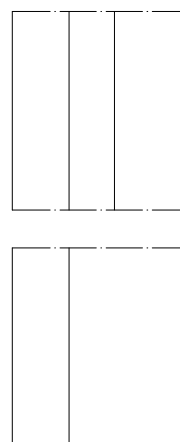
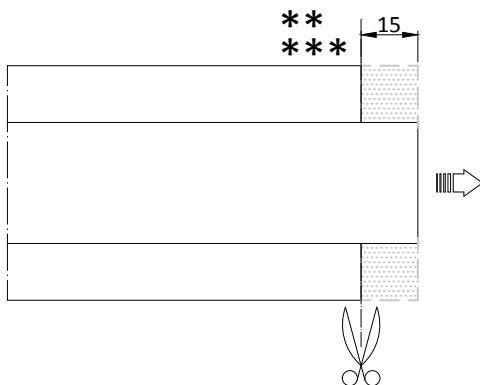
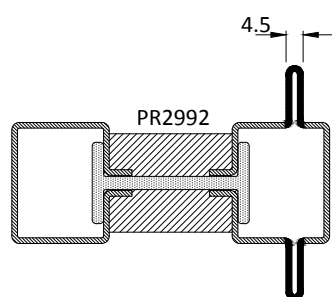
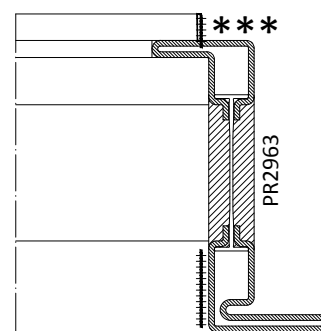
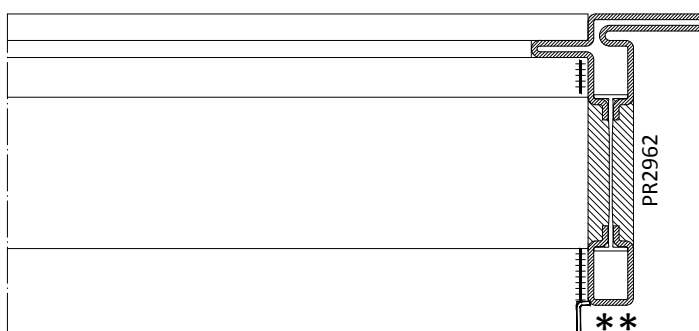
TIG welding with filler material in the areas indicated with +++++

Acciaio zincato - Acciaio Corten - Acciaio inox

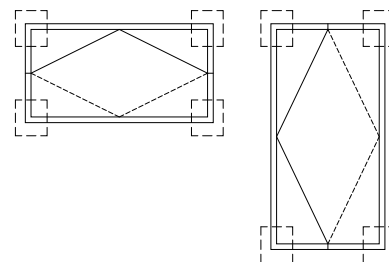
Saldare in continuo le superfici di contatto.

Galvanised steel - Cor-ten steel - Stainless steel

Seam-weld all contact surfaces.



- \* Esempi "tipo" di giunzione a "T"
- \* Example of "T" connection for OS2
- \*\* Lavorazione pag. 4.3.2
- \*\* Processing pg. 4.3.2
- \*\*\* Lavorazione pag. 4.3.3

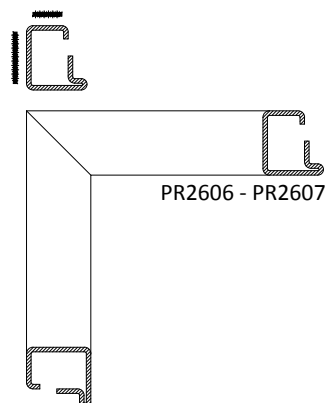


Acciaio zincato - Acciaio Corten - Acciaio inox

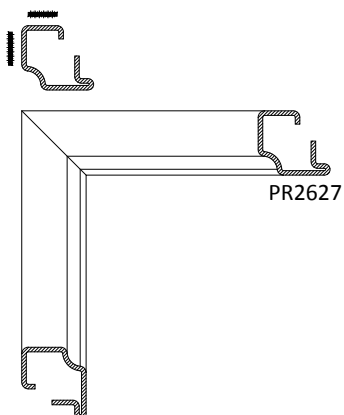
Saldare in continuo le superfici di contatto indicate con 

*Galvanised steel - Cor-ten steel - Stainless steel*

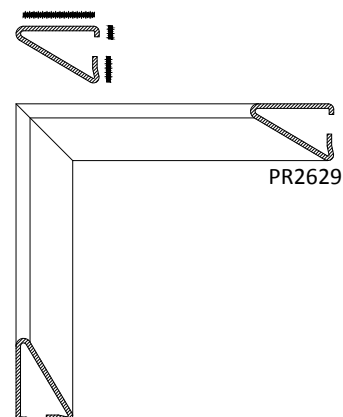
*Seam-weld the shown areas with *



PR2606 - PR2607



PR2627



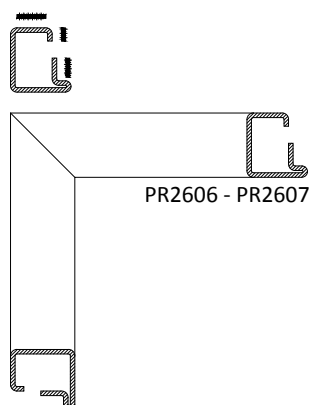
PR2629

Ottone:

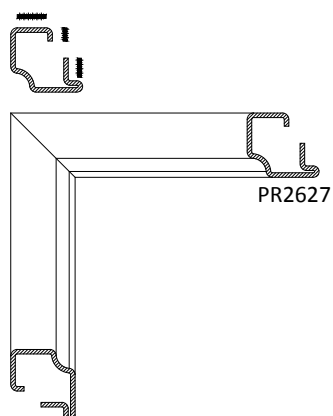
Saldare a TIG con materiale di riporto nelle zone indicate con 

*Brass:*

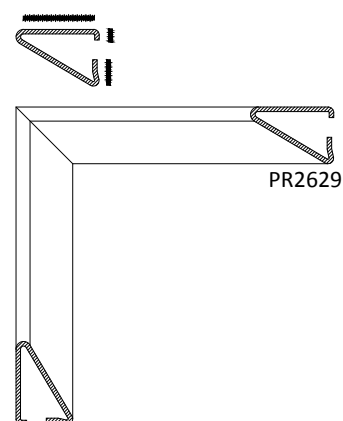
*TIG welding with filler material in the areas indicated with *



PR2606 - PR2607



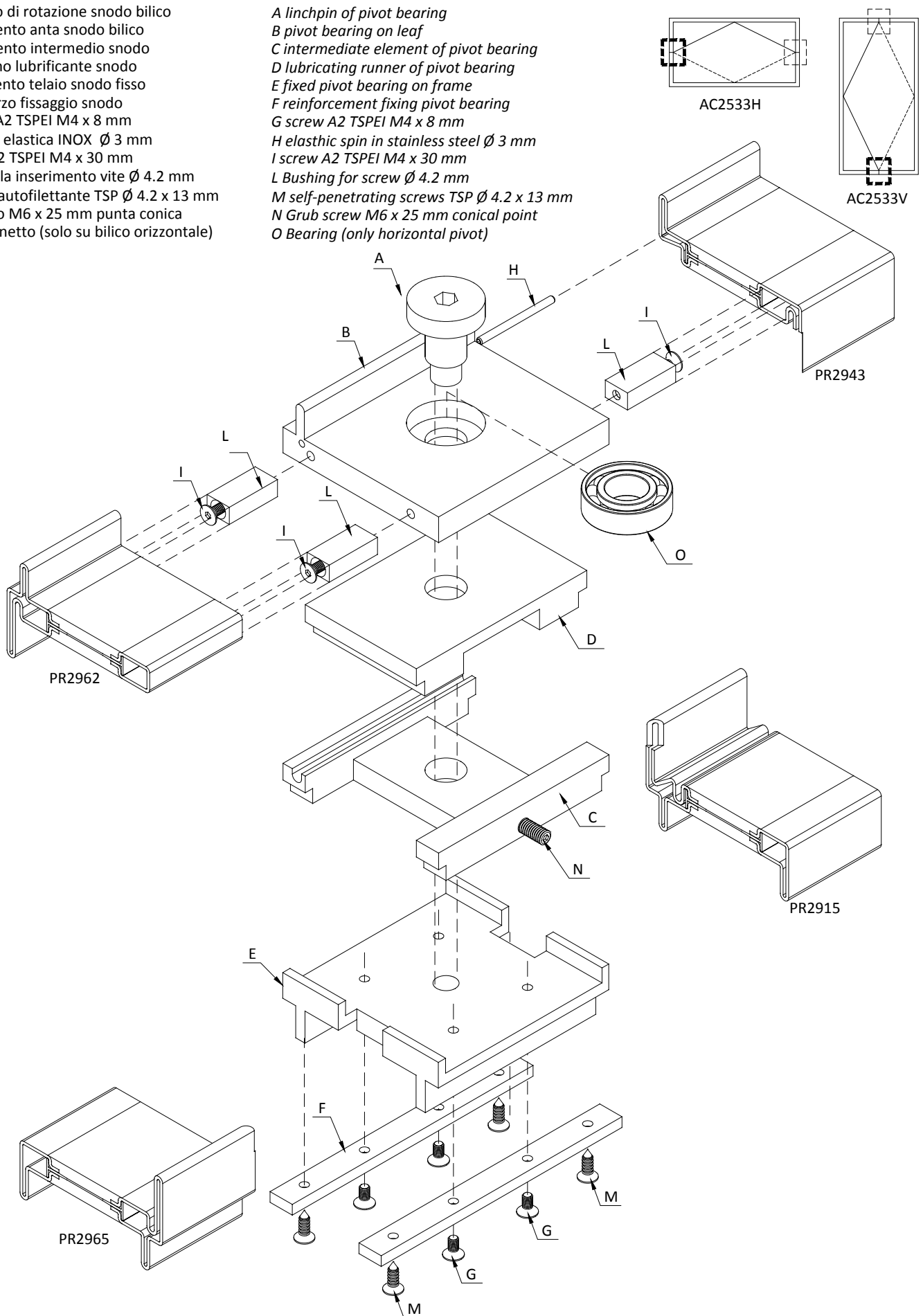
PR2627

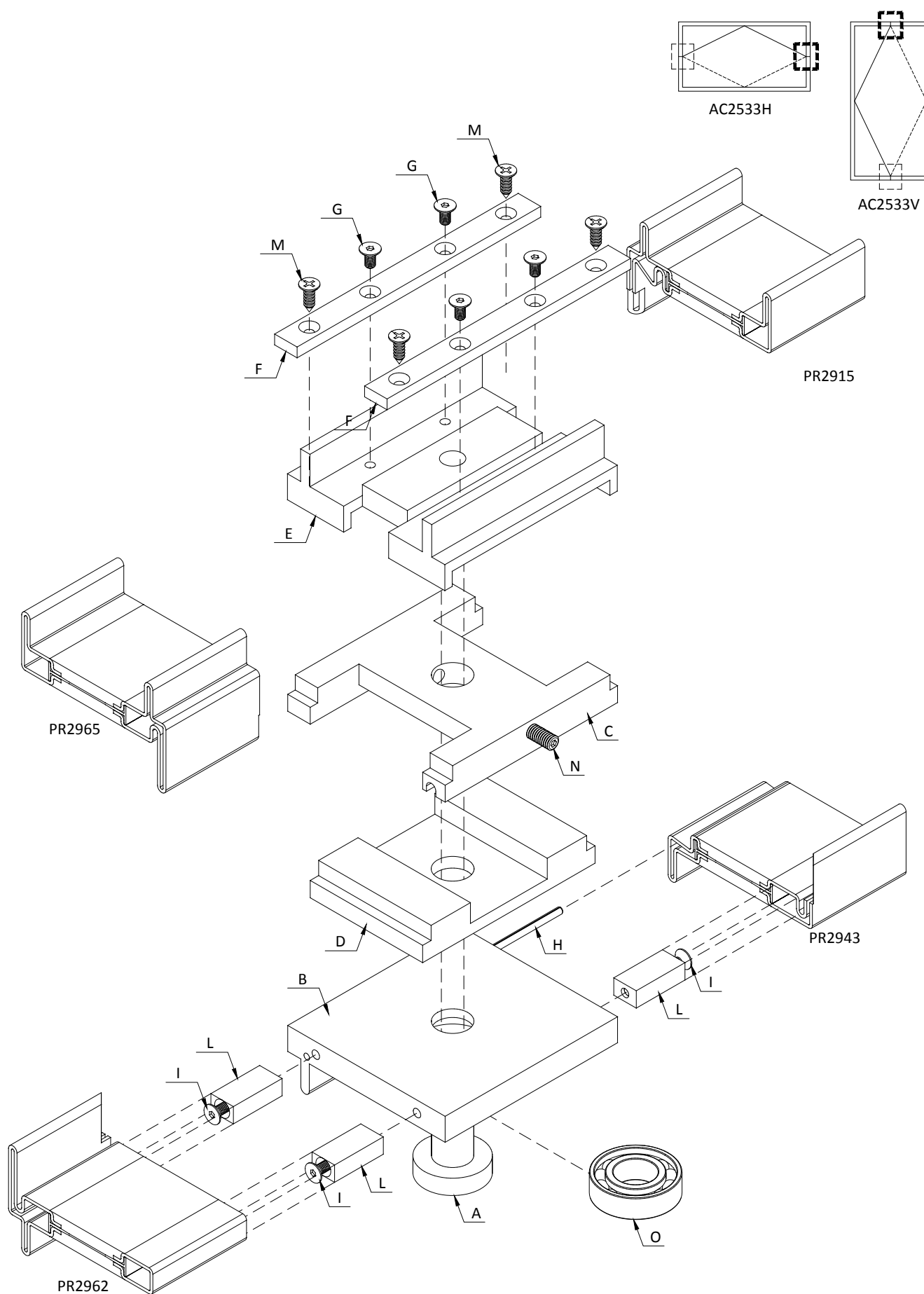


PR2629

A Perno di rotazione snodo bilico  
 B Elemento anta snodo bilico  
 C Elemento intermedio snodo  
 D Pattino lubrificante snodo  
 E Elemento telaio snodo fisso  
 F Rinforzo fissaggio snodo  
 G Vite A2 TSPEI M4 x 8 mm  
 H Spina elastica INOX Ø 3 mm  
 I Vite A2 TSPEI M4 x 30 mm  
 L Boccia inserimento vite Ø 4.2 mm  
 M Vite autofilettante TSP Ø 4.2 x 13 mm  
 N Grano M6 x 25 mm punta conica  
 O Cuscinetto (solo su bilico orizzontale)

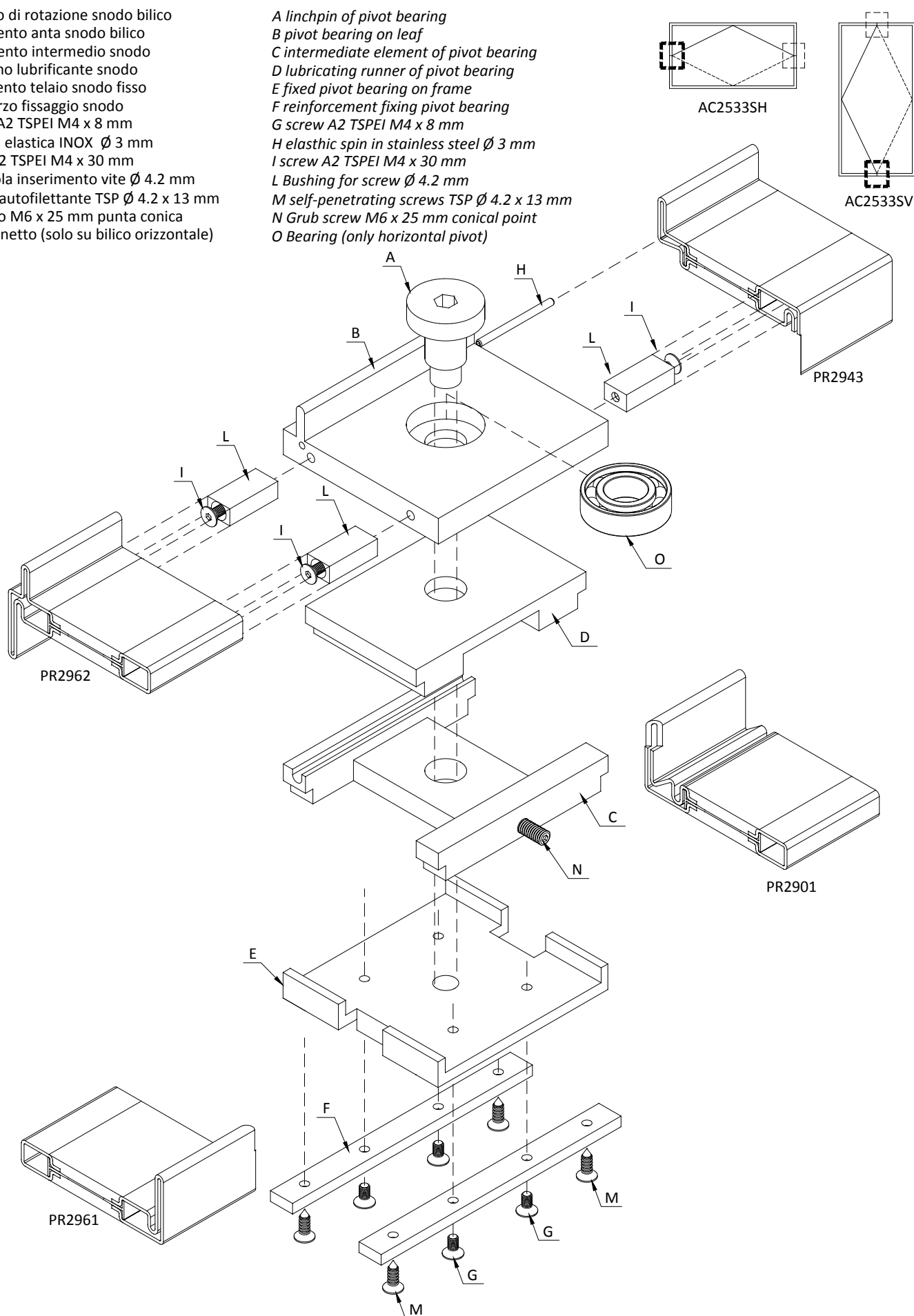
*A linchpin of pivot bearing*  
*B pivot bearing on leaf*  
*C intermediate element of pivot bearing*  
*D lubricating runner of pivot bearing*  
*E fixed pivot bearing on frame*  
*F reinforcement fixing pivot bearing*  
*G screw A2 TSPEI M4 x 8 mm*  
*H elastic spin in stainless steel Ø 3 mm*  
*I screw A2 TSPEI M4 x 30 mm*  
*L Bushing for screw Ø 4.2 mm*  
*M self-penetrating screws TSP Ø 4.2 x 13 mm*  
*N Grub screw M6 x 25 mm conical point*  
*O Bearing (only horizontal pivot)*



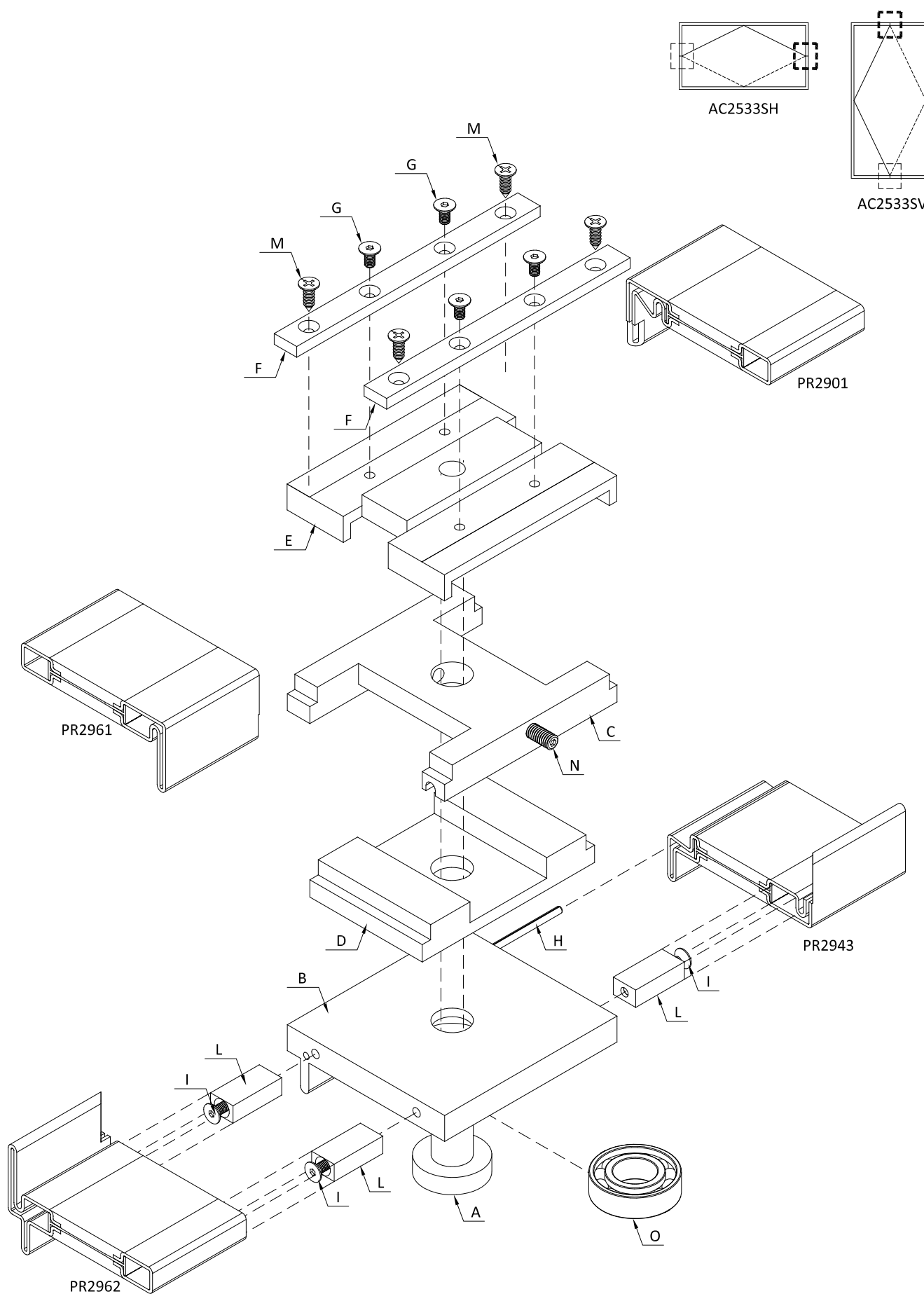


- A Perno di rotazione snodo bilico
- B Elemento anta snodo bilico
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- D Pattino lubrificante snodo
- E Elemento telaio snodo fisso
- F Rinforzo fissaggio snodo
- G Vite A2 TSPEI M4 x 8 mm
- H Spina elastica INOX Ø 3 mm
- I Vite A2 TSPEI M4 x 30 mm
- L Boccola inserimento vite Ø 4.2 mm
- M Vite autofillettante TSP Ø 4.2 x 13 mm
- N Grano M6 x 25 mm punta conica
- O Cuscinetto (solo su bilico orizzontale)

- A* *linchpin of pivot bearing*
- B* *pivot bearing on leaf*
- C* *intermediate element of pivot bearing*
- D* *lubricating runner of pivot bearing*
- E* *fixed pivot bearing on frame*
- F* *reinforcement fixing pivot bearing*
- G* *screw A2 TSPEI M4 x 8 mm*
- H* *elastic spin in stainless steel  $\varnothing$  3 mm*
- I* *screw A2 TSPEI M4 x 30 mm*
- L* *Bushing for screw  $\varnothing$  4.2 mm*
- M* *self-penetrating screws TSP  $\varnothing$  4.2 x 13 mm*
- N* *Grub screw M6 x 25 mm conical point*
- O* *Bearing (only horizontal pivot)*

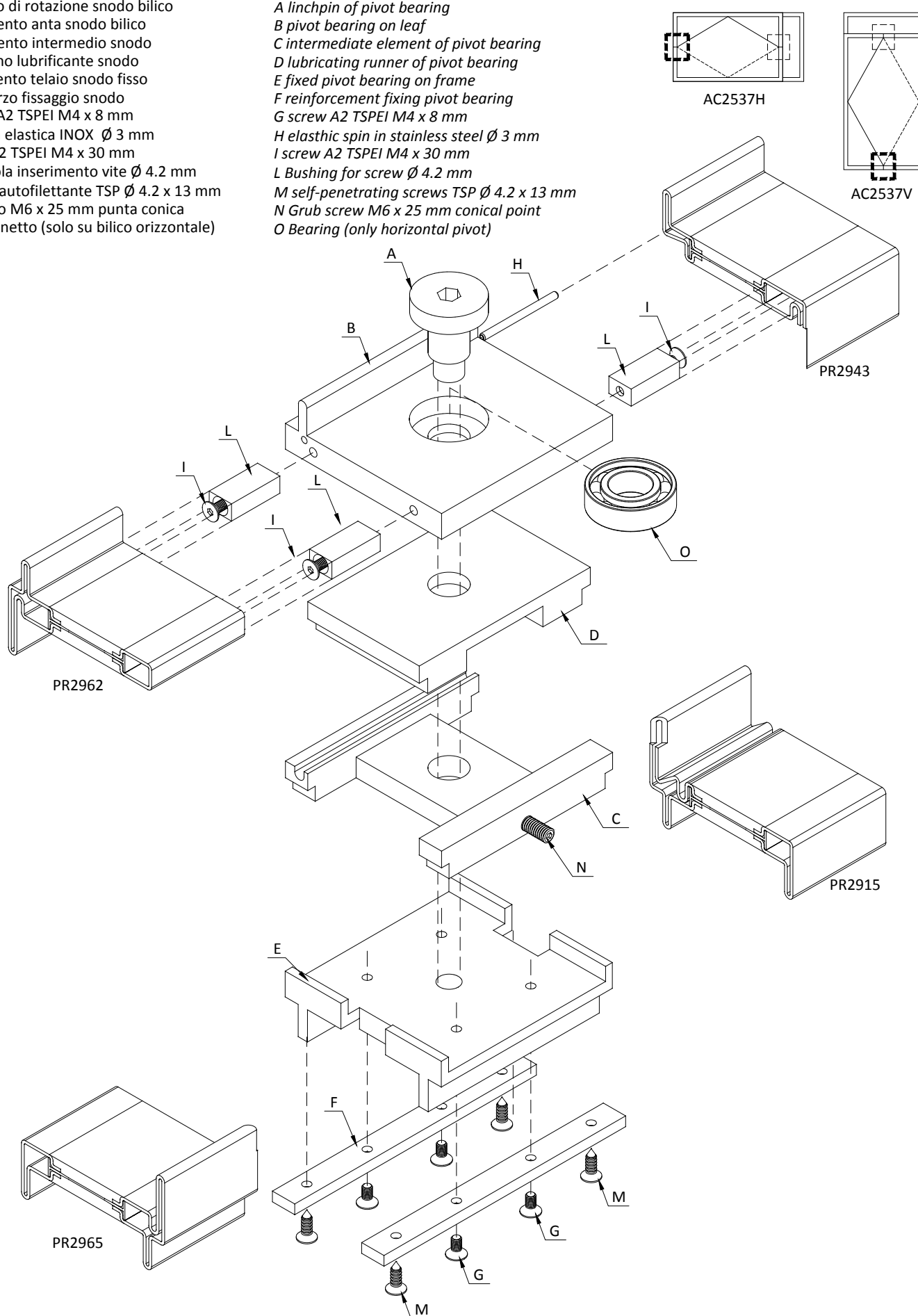


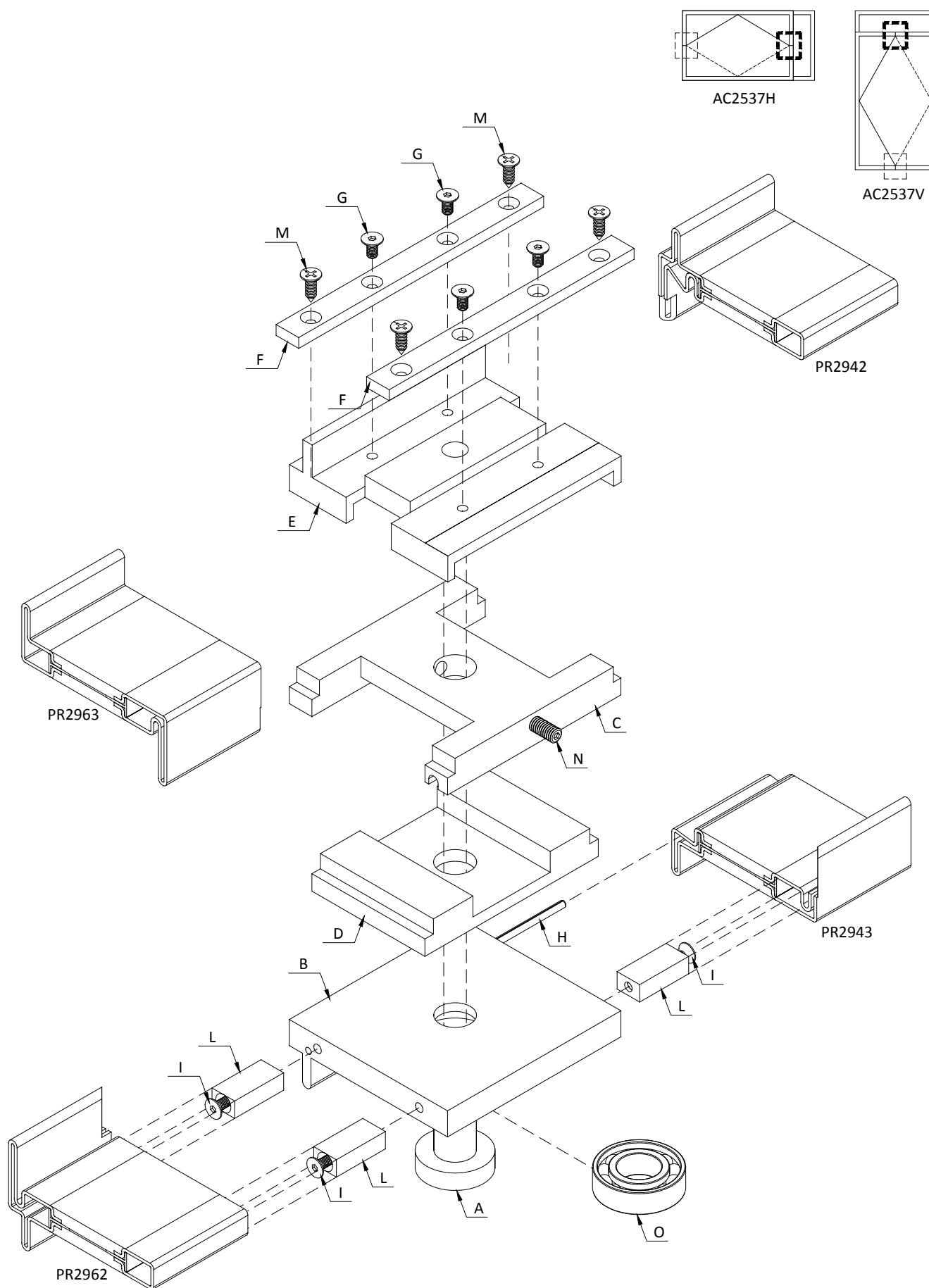




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 M Vite autofilettante TSP Ø 4.2 x 13 mm  
 N Grano M6 x 25 mm punta conica  
 O Cuscinetto (solo su bilico orizzontale)

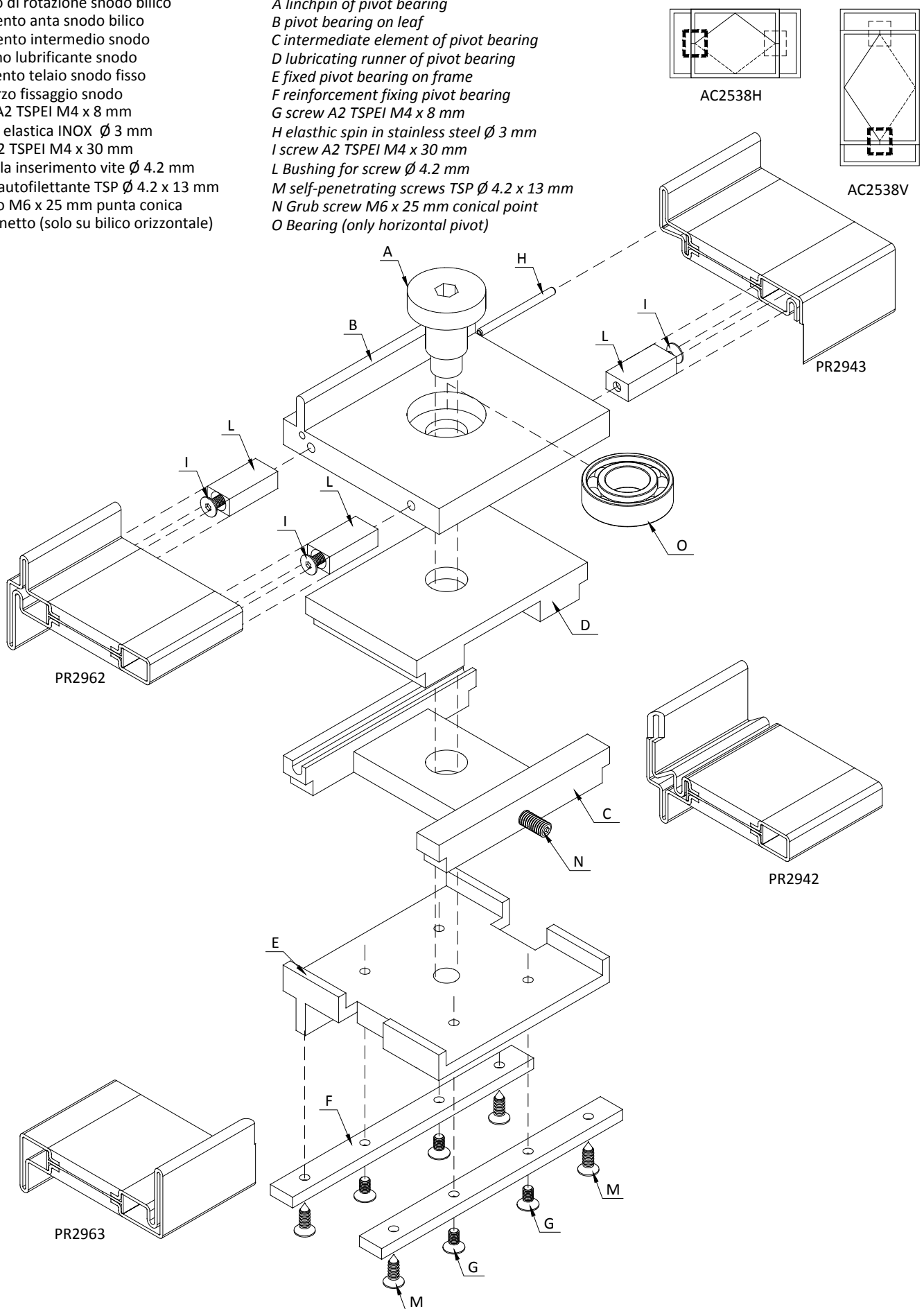
*A linchpin of pivot bearing*  
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*M self-penetrating screws TSP Ø 4.2 x 13 mm*  
*N Grub screw M6 x 25 mm conical point*  
*O Bearing (only horizontal pivot)*

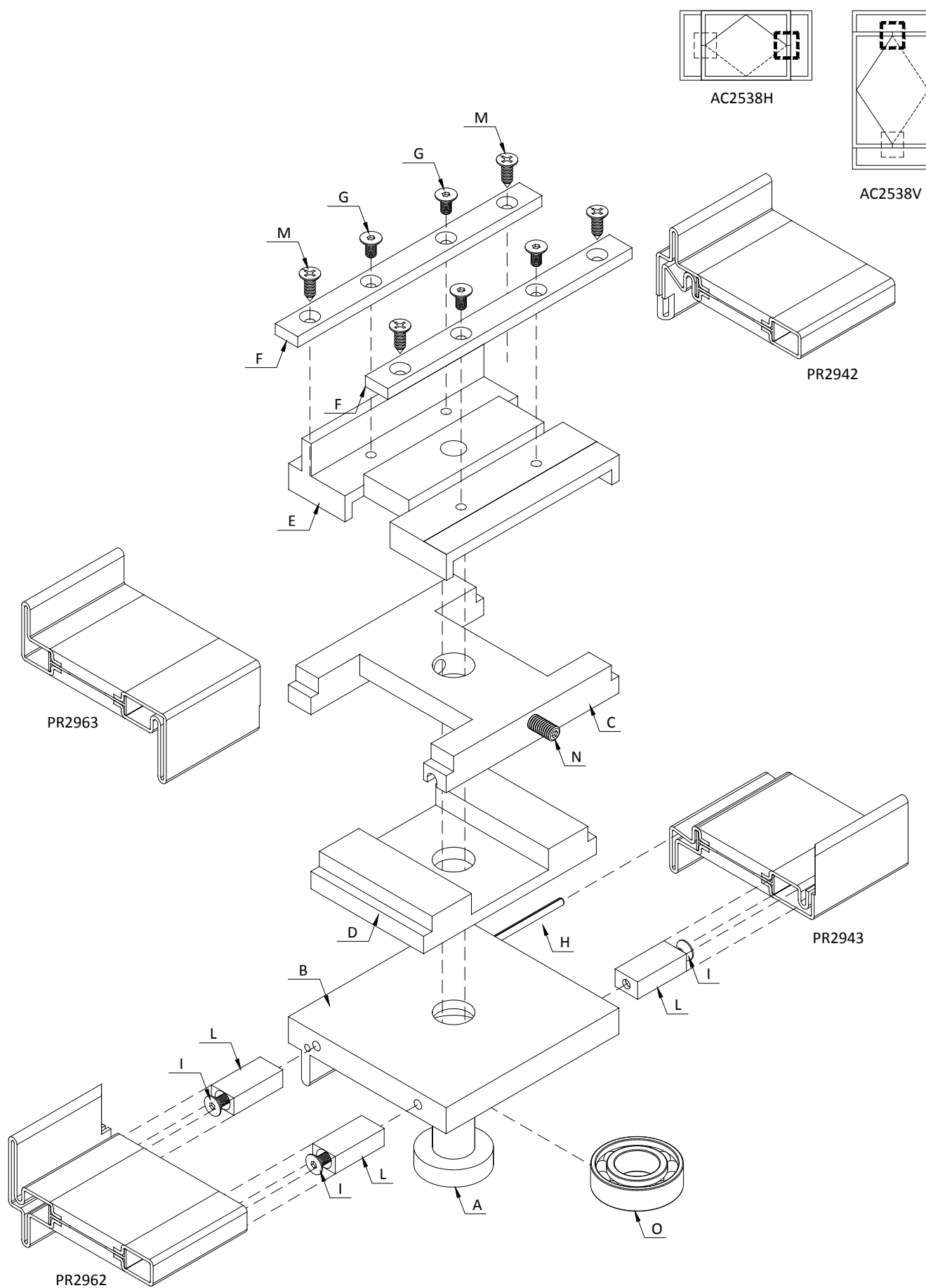




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 N Grano M6 x 25 mm punta conica  
 O Cuscinetto (solo su bilico orizzontale)

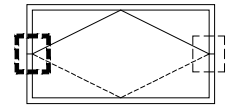
*A linchpin of pivot bearing*  
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*M self-penetrating screws TSP Ø 4.2 x 13 mm*  
*N Grub screw M6 x 25 mm conical point*  
*O Bearing (only horizontal pivot)*



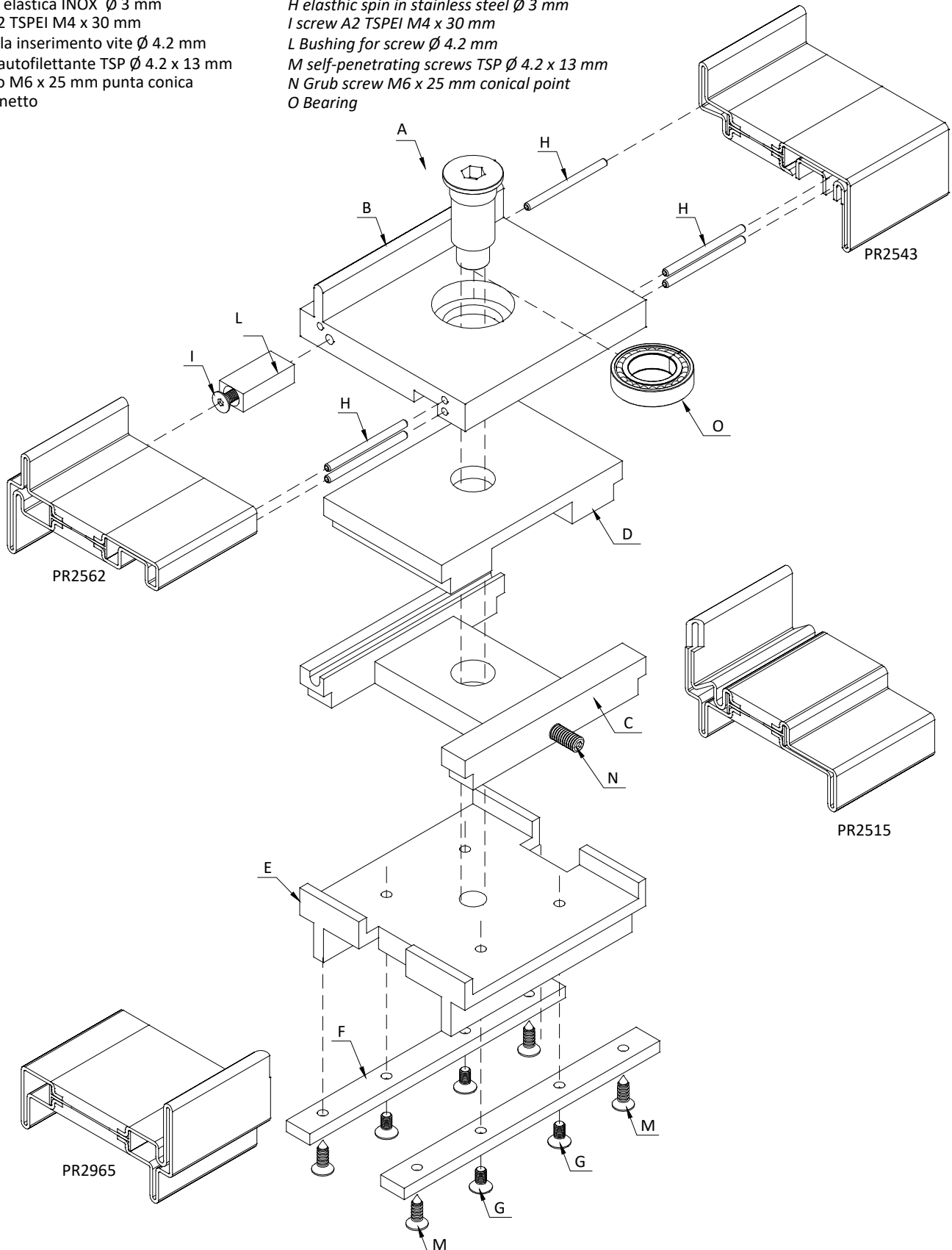


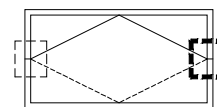
A Perno di rotazione snodo bilico  
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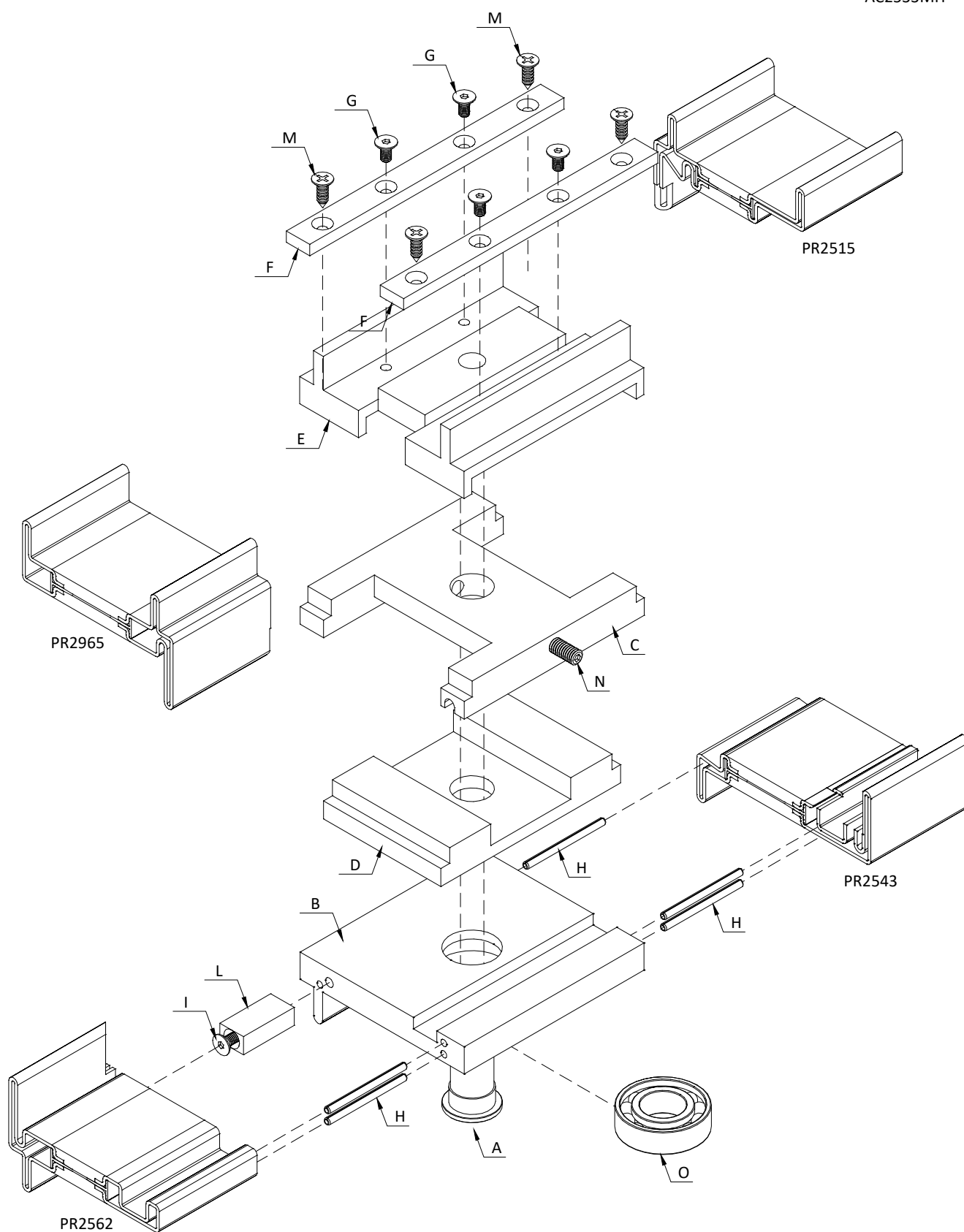


AC2533MH



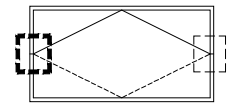


AC2533MH

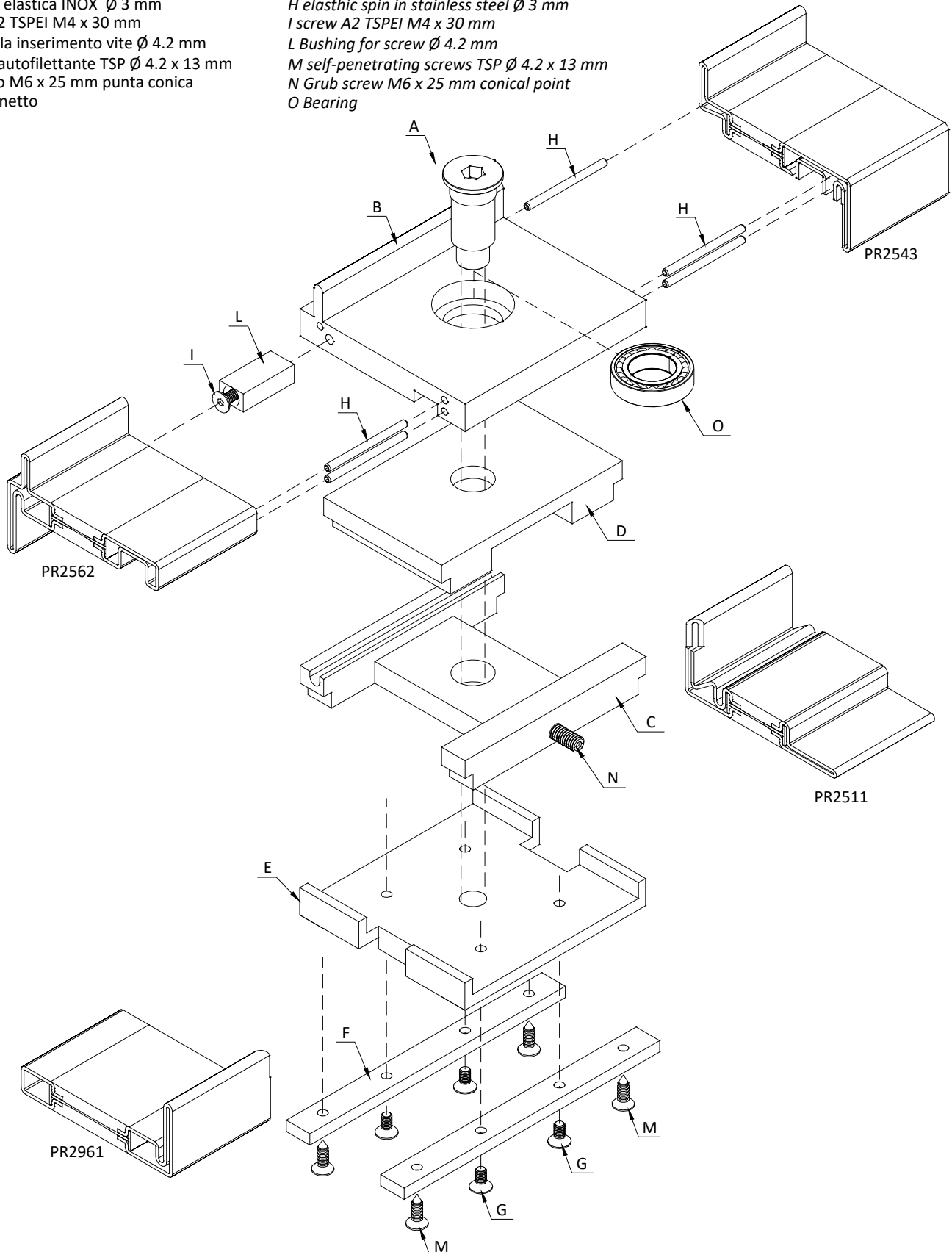


**A** Perno di rotazione snodo bilico  
**B** Elemento anta snodo bilico  
**C** Elemento intermedio snodo  
**D** Pattino lubrificante snodo  
**E** Elemento telaio snodo fisso  
**F** Rinforzo fissaggio snodo  
**G** Vite A2 TSPEI M4 x 8 mm  
**H** Spina elastica INOX Ø 3 mm  
**I** Vite A2 TSPEI M4 x 30 mm  
**L** Boccia inserimento vite Ø 4.2 mm  
**M** Vite autofilettante TSP Ø 4.2 x 13 mm  
**N** Grano M6 x 25 mm punta conica  
**O** Cuscinetto

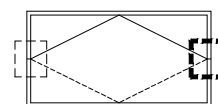
**A** linchpin of pivot bearing  
**B** pivot bearing on leaf  
**C** intermediate element of pivot bearing  
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**E** fixed pivot bearing on frame  
**F** reinforcement fixing pivot bearing  
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**L** Bushing for screw Ø 4.2 mm  
**M** self-penetrating screws TSP Ø 4.2 x 13 mm  
**N** Grub screw M6 x 25 mm conical point  
**O** Bearing



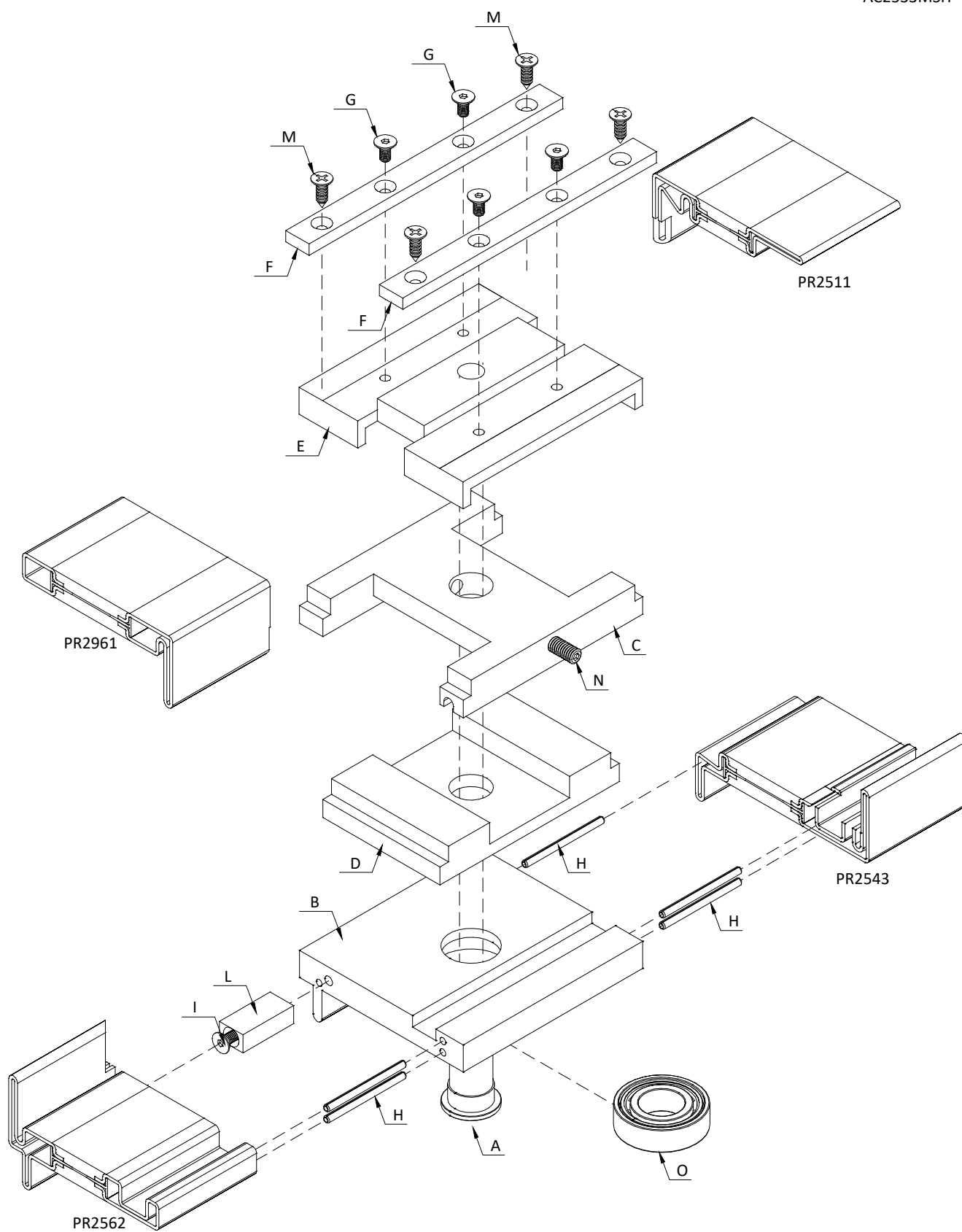
AC2533MSH

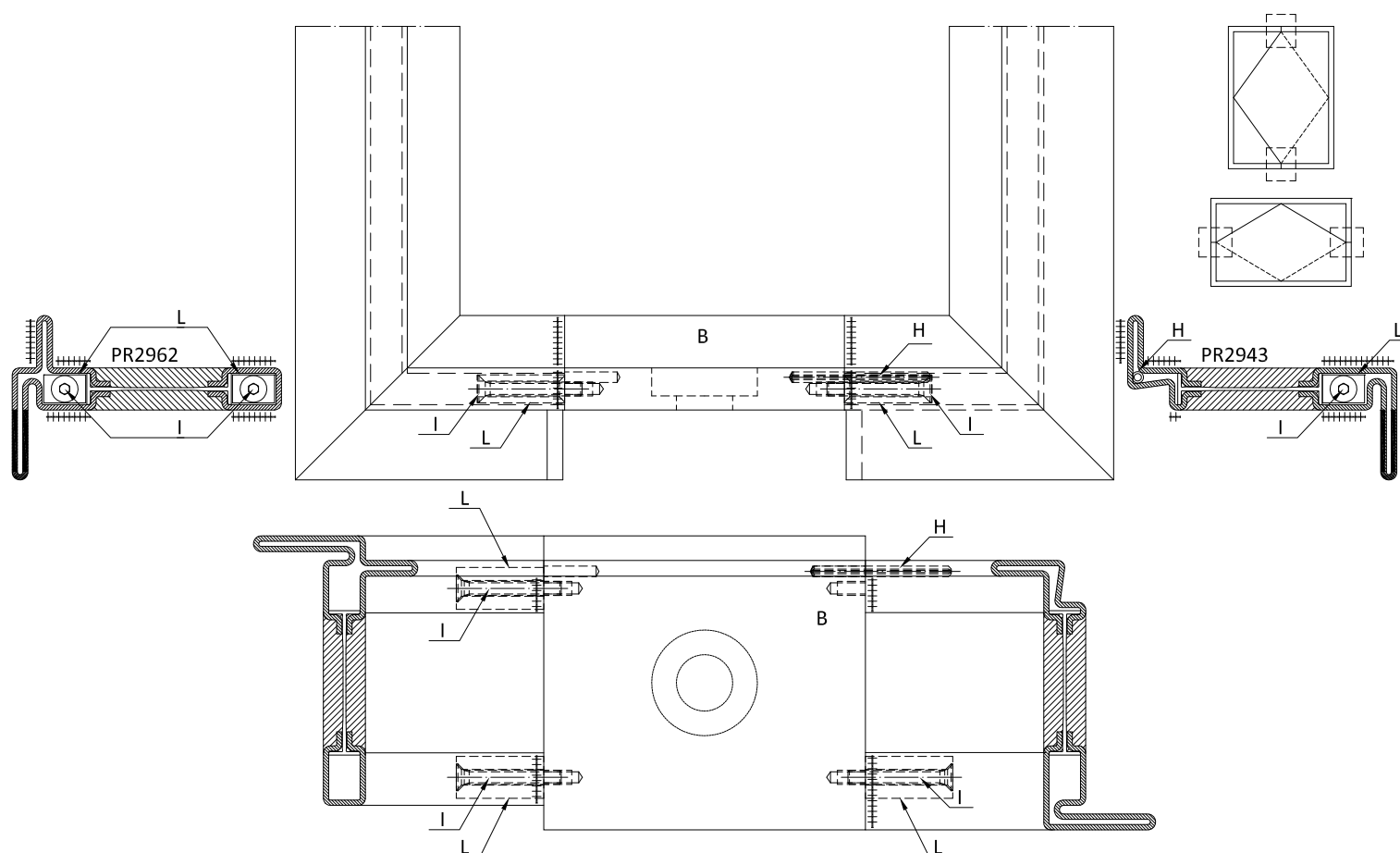






AC2533MSH



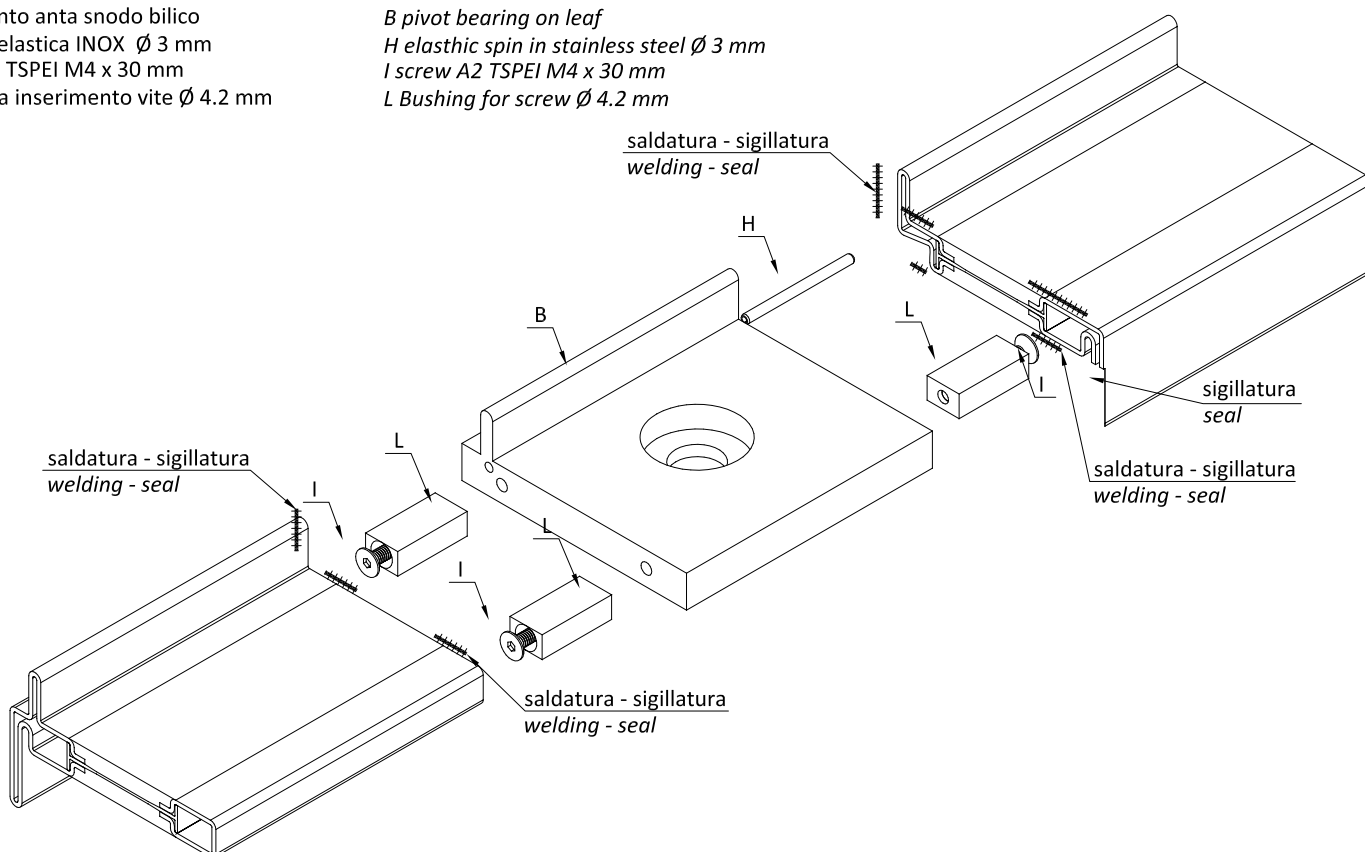


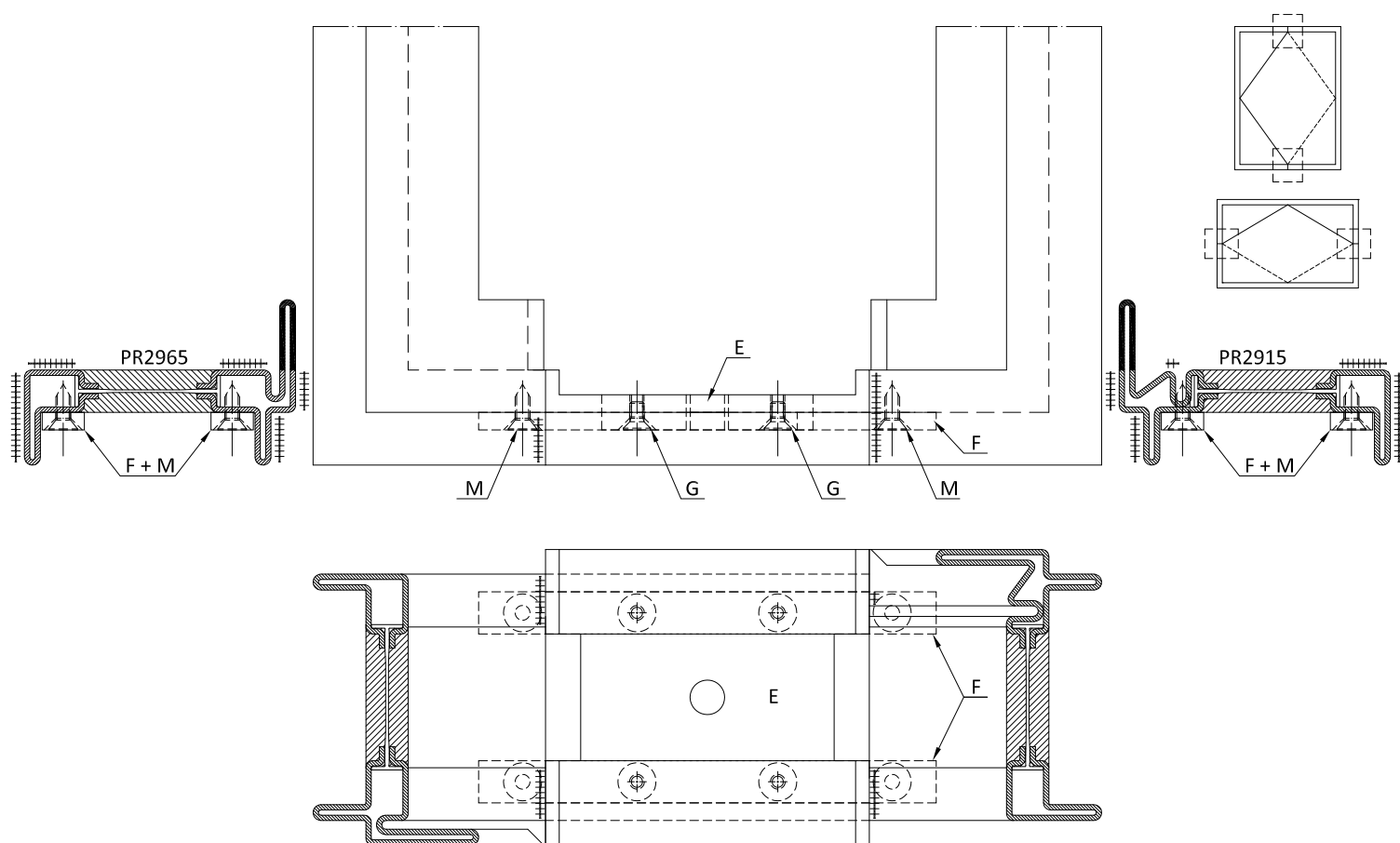
Saldare a TIG con materiale di riporto  
nelle zone indicate con +++++

*TIG welding with filler material in the  
areas indicated with +++++*

B Elemento anta snodo bilico  
H Spina elastica INOX Ø 3 mm  
I Vite A2 TSPEI M4 x 30 mm  
L Boccola inserimento vite Ø 4.2 mm

*B pivot bearing on leaf  
H elastic spin in stainless steel Ø 3 mm  
I screw A2 TSPEI M4 x 30 mm  
L Bushing for screw Ø 4.2 mm*



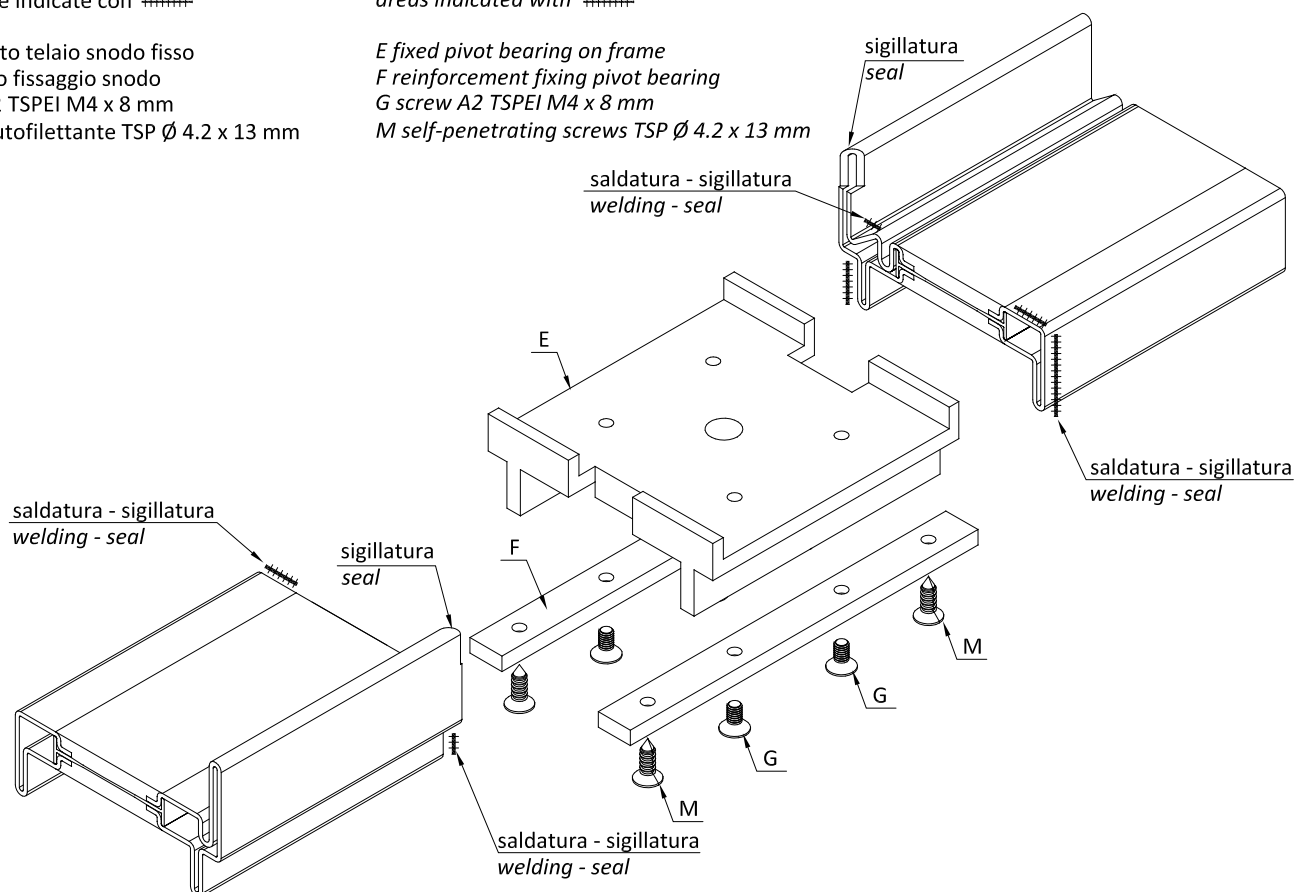


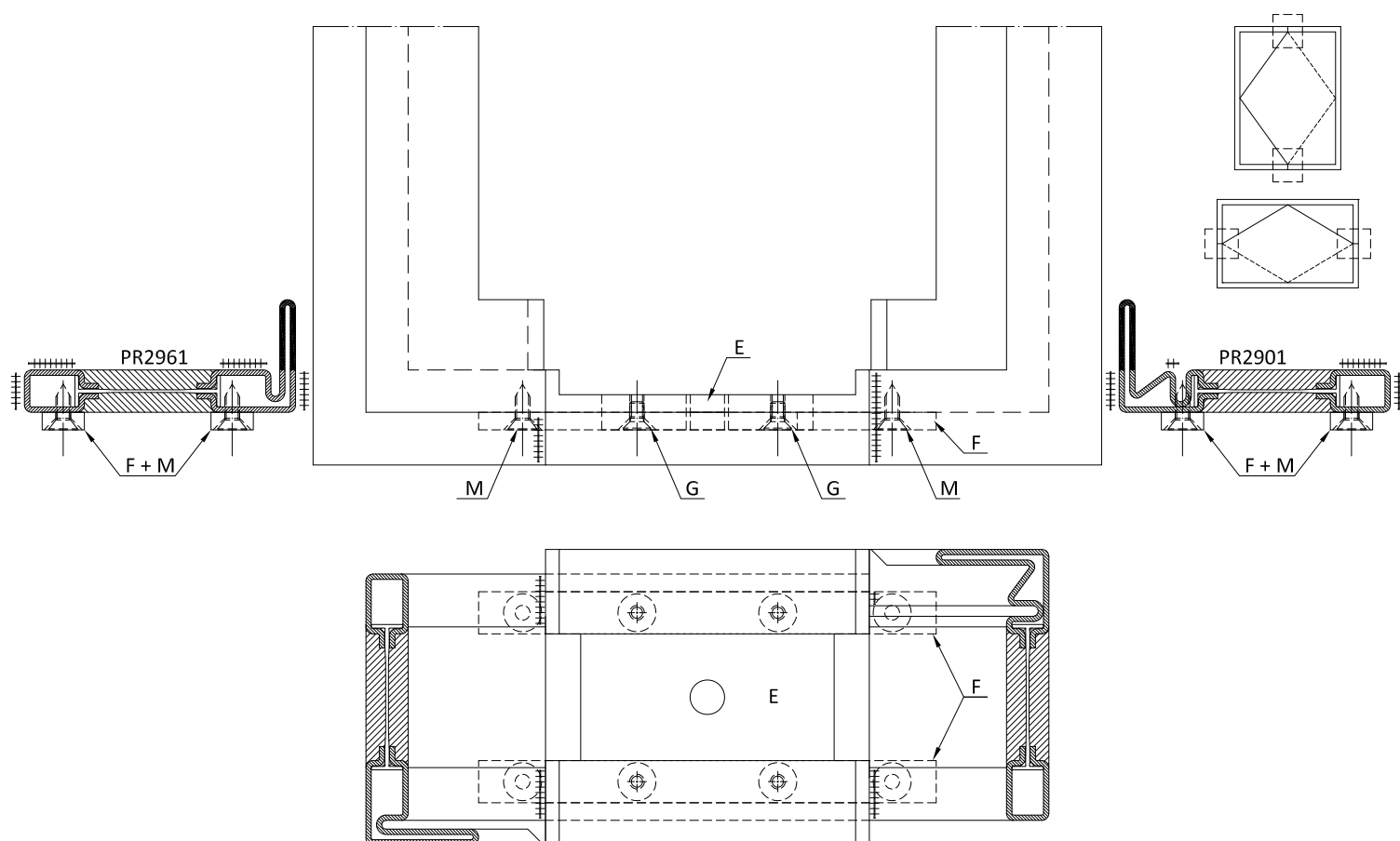
Saldare a TIG con materiale di riporto  
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*TIG welding with filler material in the  
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E Elemento telaio snodo fisso  
F Rinforzo fissaggio snodo  
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M Vite autofilettante TSP Ø 4.2 x 13 mm

*E fixed pivot bearing on frame  
F reinforcement fixing pivot bearing  
G screw A2 TSPEI M4 x 8 mm  
M self-penetrating screws TSP Ø 4.2 x 13 mm*



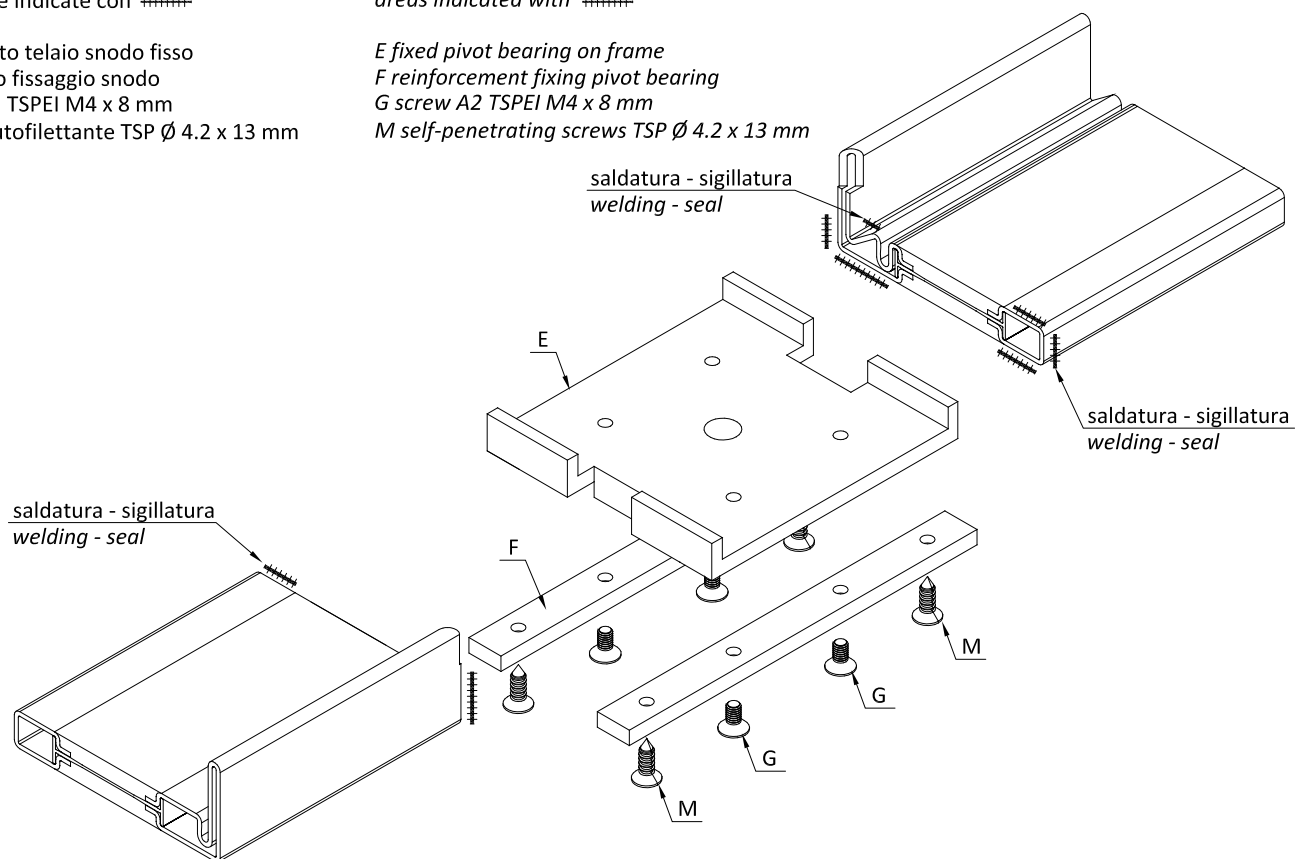


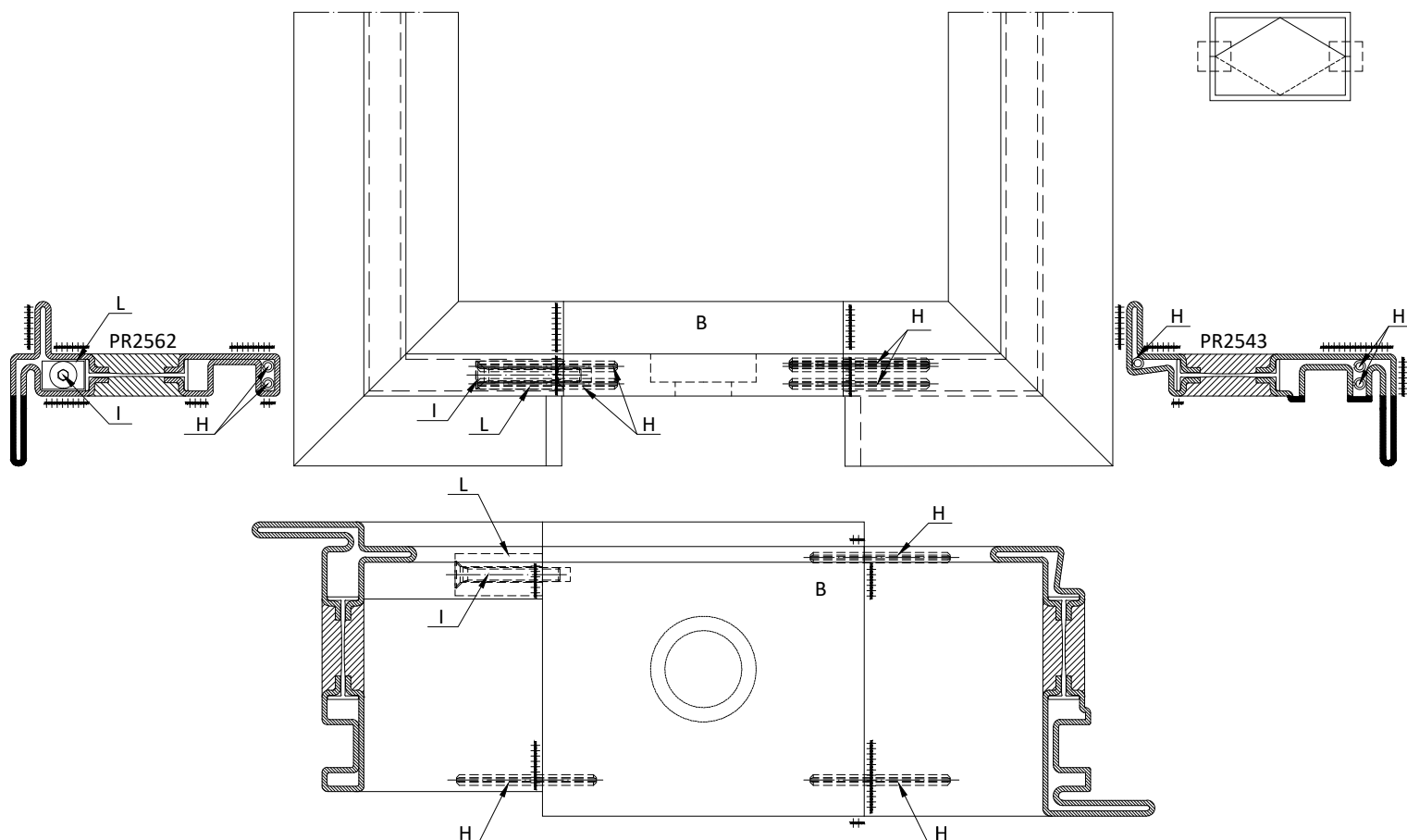
Saldare a TIG con materiale di riporto  
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TIG welding with filler material in the  
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E Elemento telaio snodo fisso  
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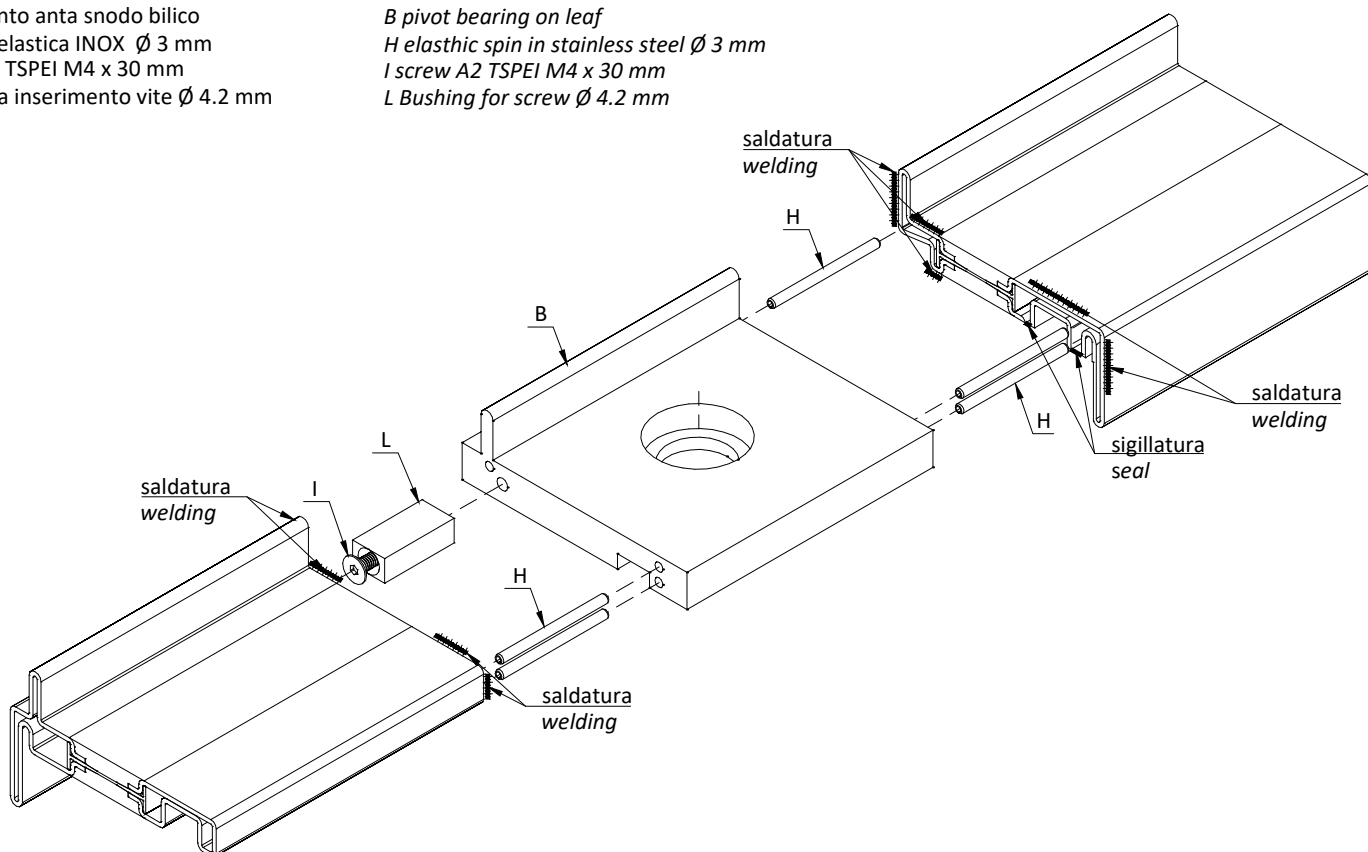


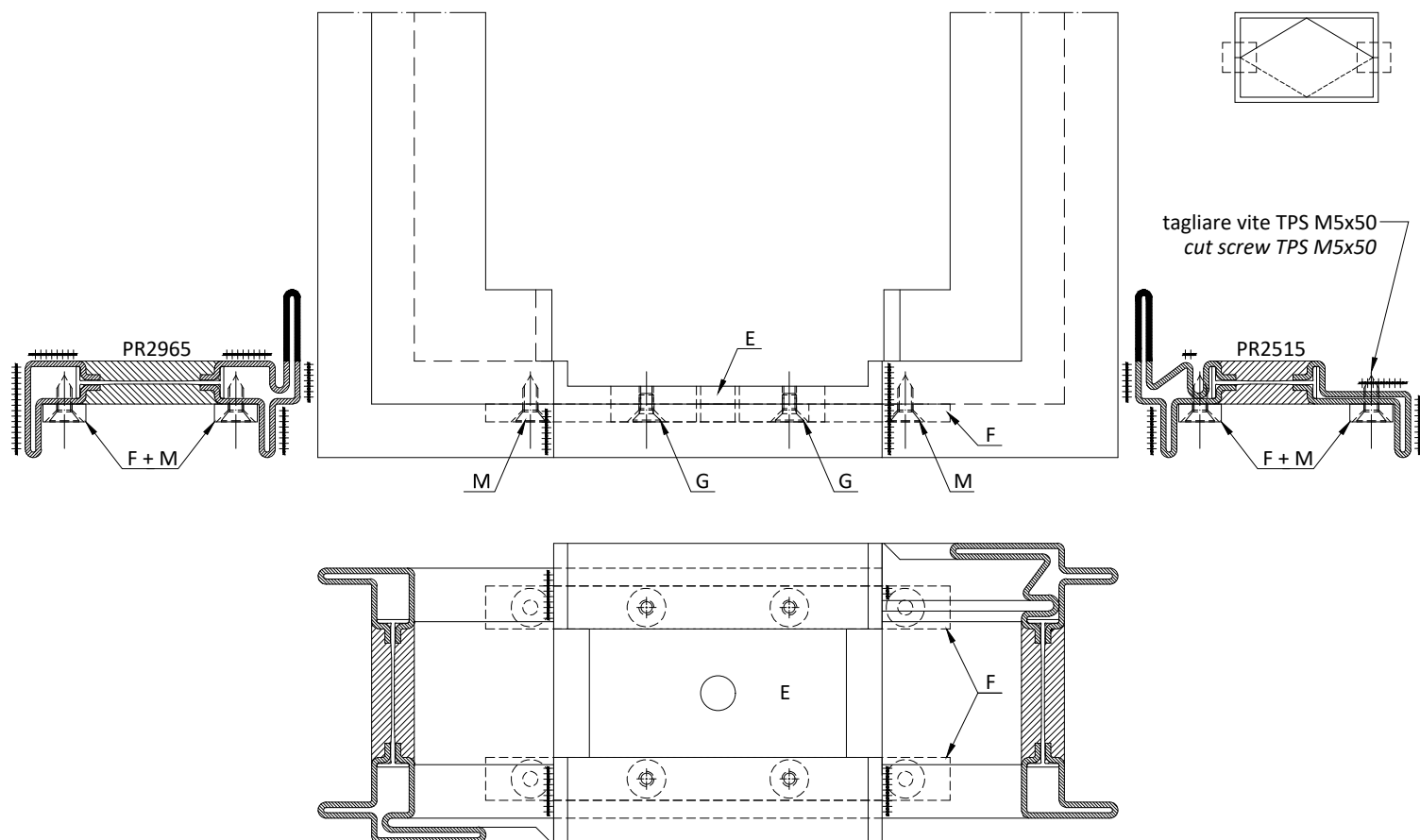
Saldare a TIG con materiale di riporto  
nelle zone indicate con +++++

*TIG welding with filler material in the  
areas indicated with +++++*

B Elemento anta snodo bilico  
H Spina elastica INOX Ø 3 mm  
I Vite A2 TSPEI M4 x 30 mm  
L Boccola inserimento vite Ø 4.2 mm

*B pivot bearing on leaf  
H elastic spin in stainless steel Ø 3 mm  
I screw A2 TSPEI M4 x 30 mm  
L Bushing for screw Ø 4.2 mm*



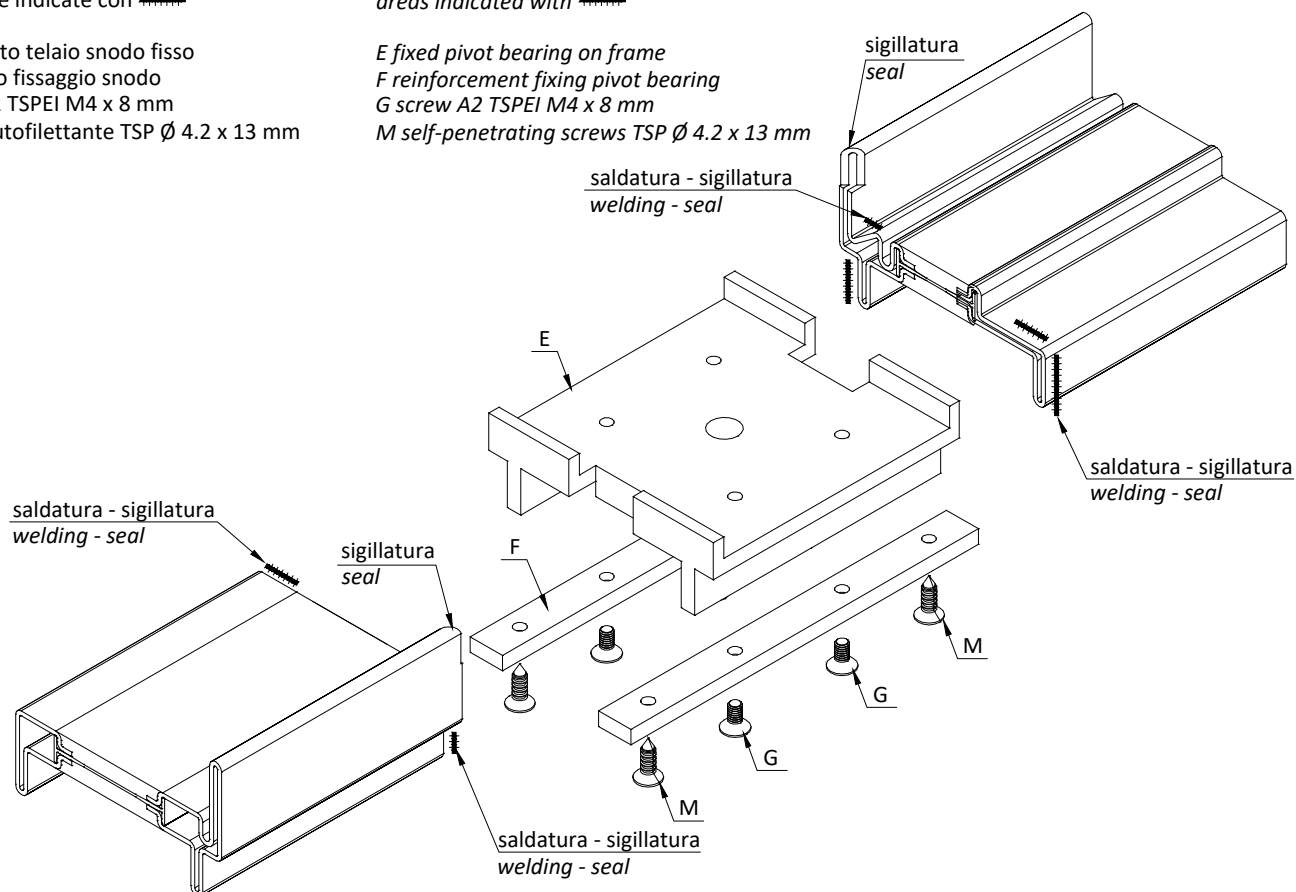


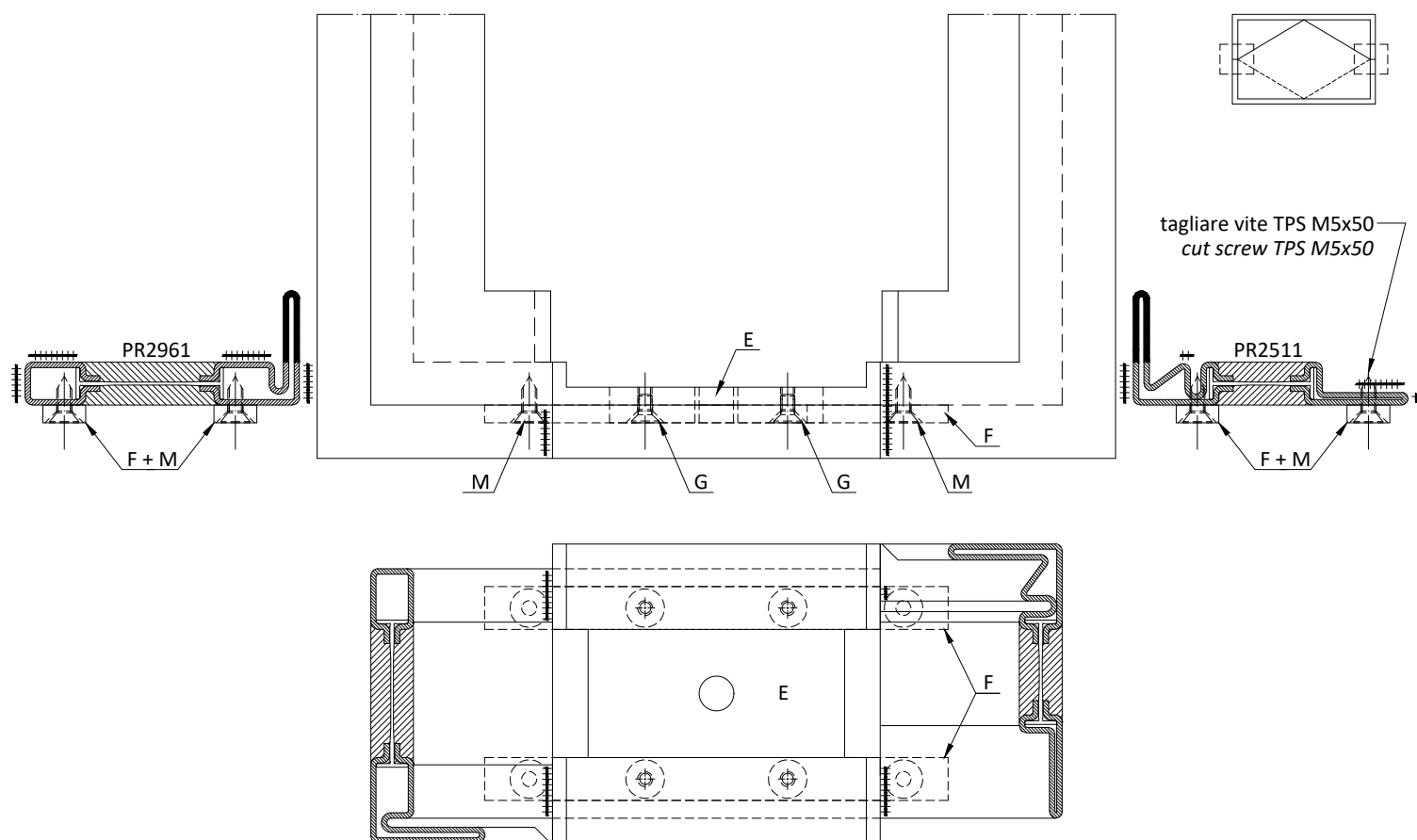
Saldare a TIG con materiale di riporto  
nelle zone indicate con

*TIG welding with filler material in the  
areas indicated with*

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F Rinforzo fissaggio snodo  
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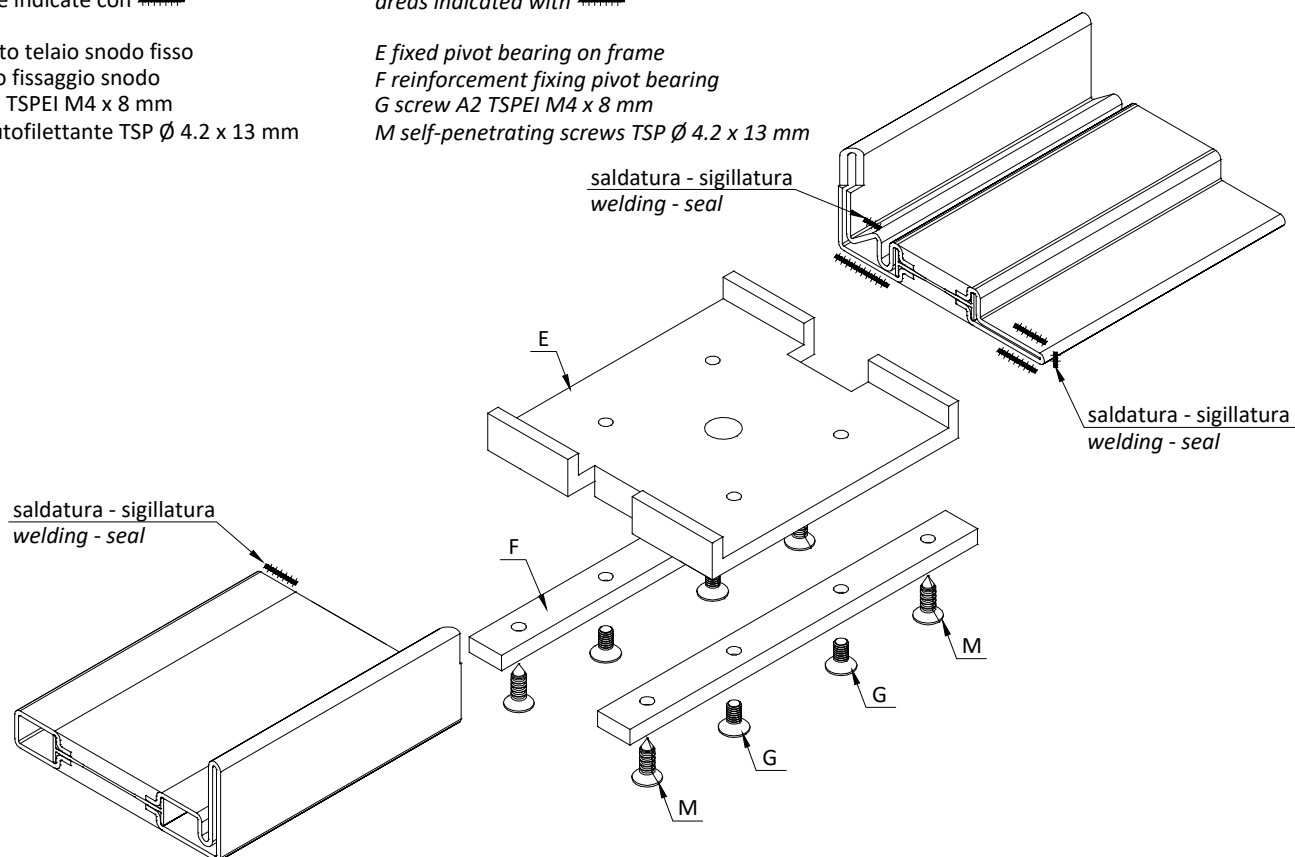


Saldare a TIG con materiale di riporto  
nelle zone indicate con

*TIG welding with filler material in the  
areas indicated with*

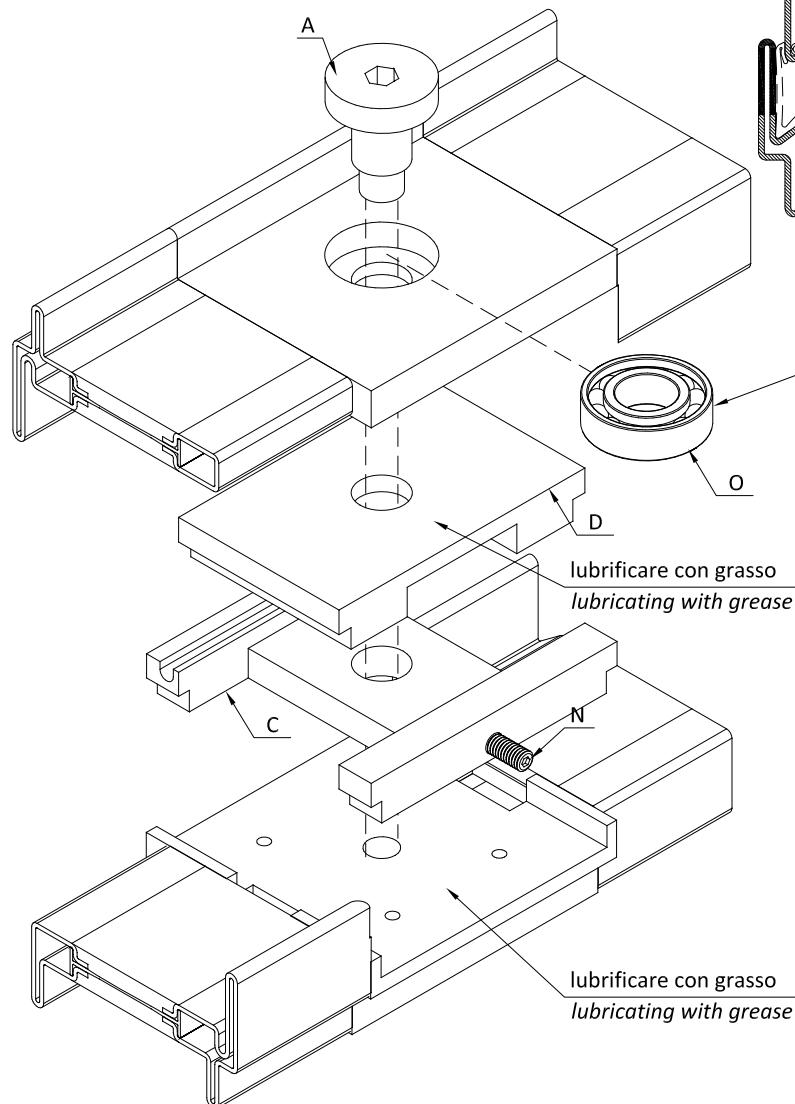
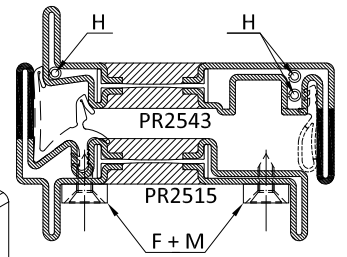
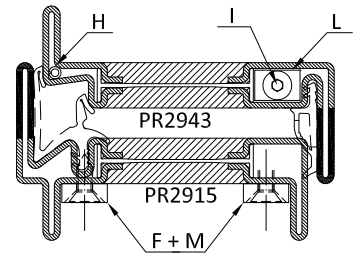
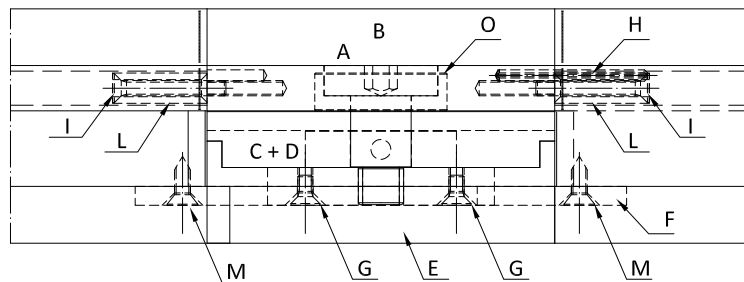
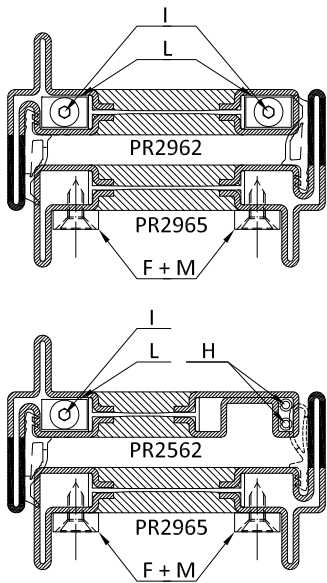
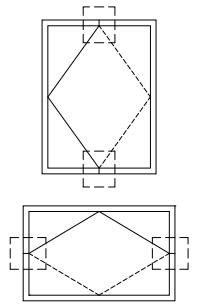
E Elemento telaio snodo fisso  
F Rinforzo fissaggio snodo  
G Vite A2 TSPEI M4 x 8 mm  
M Vite autofilettante TSP Ø 4.2 x 13 mm

*E fixed pivot bearing on frame  
F reinforcement fixing pivot bearing  
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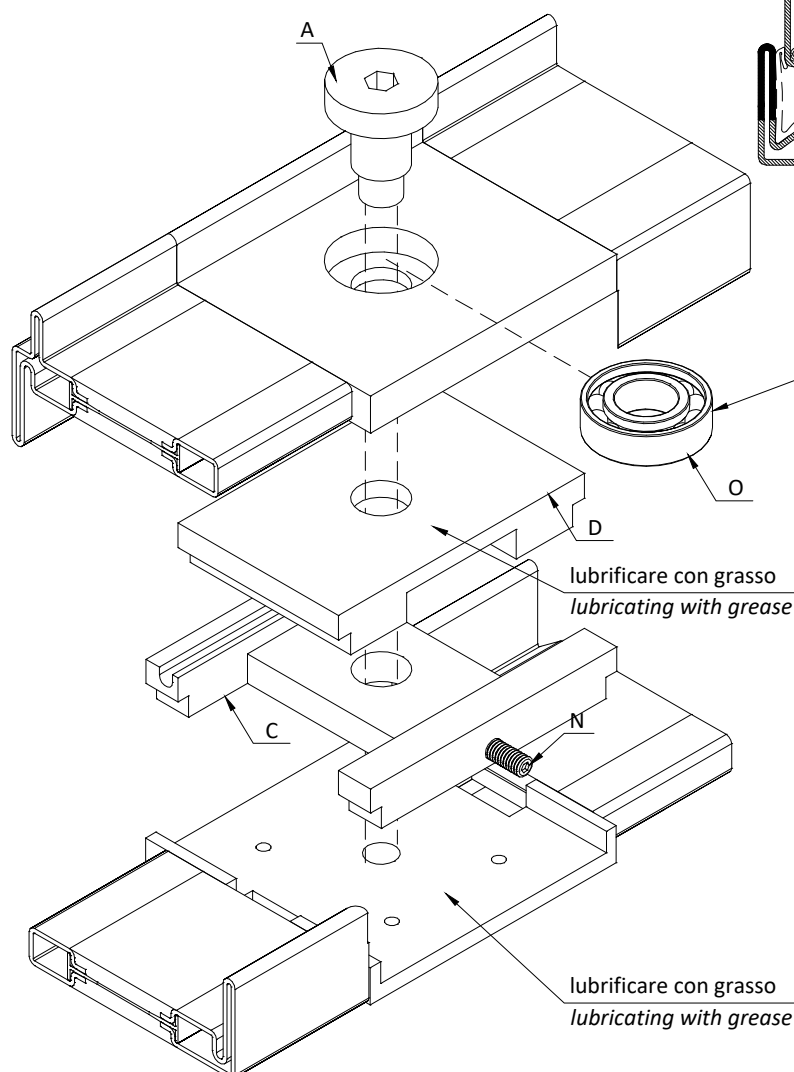
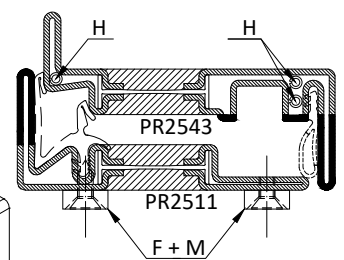
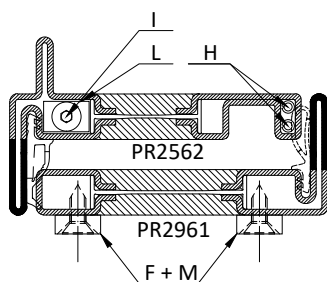
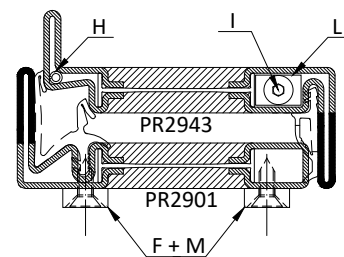
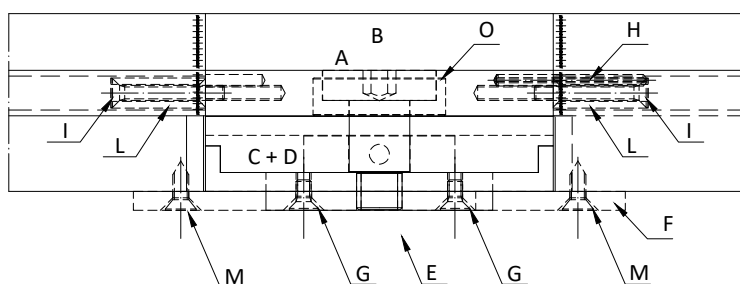
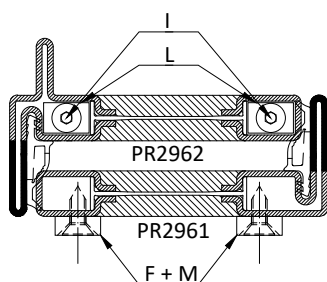
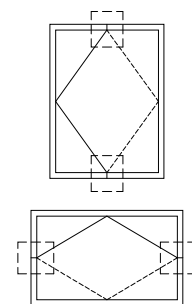
*A linchpin of pivot bearing*  
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*O Bearing (only horizontal pivot)*





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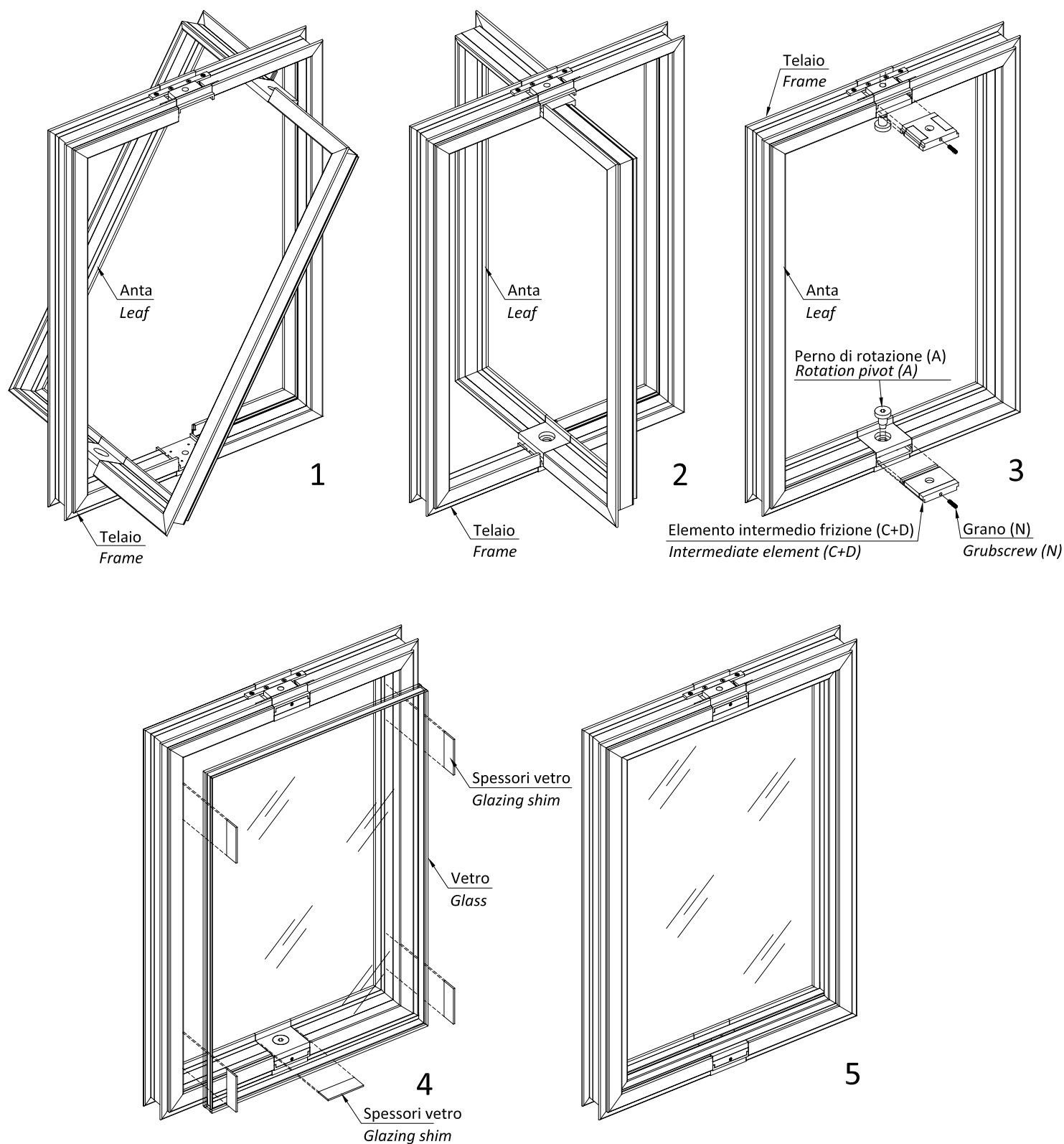
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*O Bearing (only horizontal pivot)*



cuscinetto da installare  
dopo la verniciatura  
bearing to be installed  
after painting

lubrificare con grasso  
lubricating with grease

lubrificare con grasso  
lubricating with grease



1 Inserire l'anta inclinata all'interno del telaio.

2 allineare verticalmente l'anta rispetto all'asse dello snodo bilico.

3 chiudere l'anta; inserire l'elemento intermedio (C+D) lubrificando con grasso della frizione e il perno (A) fissandolo con il grano (N) in dotazione.

4 Inserire il vetro avendo cura del corretto posizionamento degli spessori.

5 inserire il fermavetro.

1 Insert the leaf (inclined) in the frame

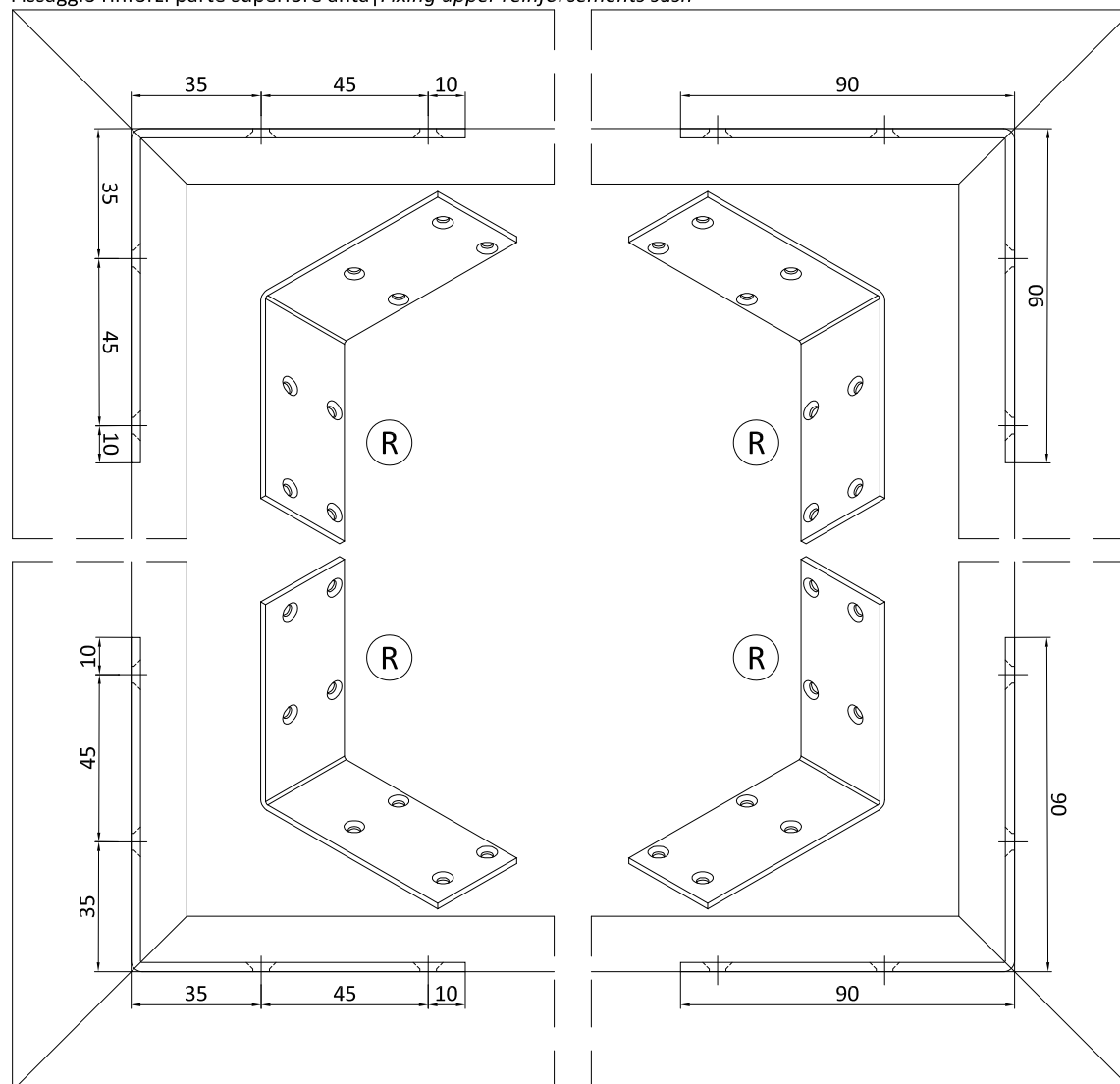
2 align vertically the leaf with the pivot bearing's axis

3 close the leaf; insert the intermediate element (C+D) lubricating with grease of pivot bearing and the linchpin (A) fixing it with the grub screw (N)

4 install the glass looking at the correct position of glass shims

5 install the glazing bead

Fissaggio rinforzi parte superiore anta | Fixing upper reinforcements sash



tipo | type B

tipo | type B

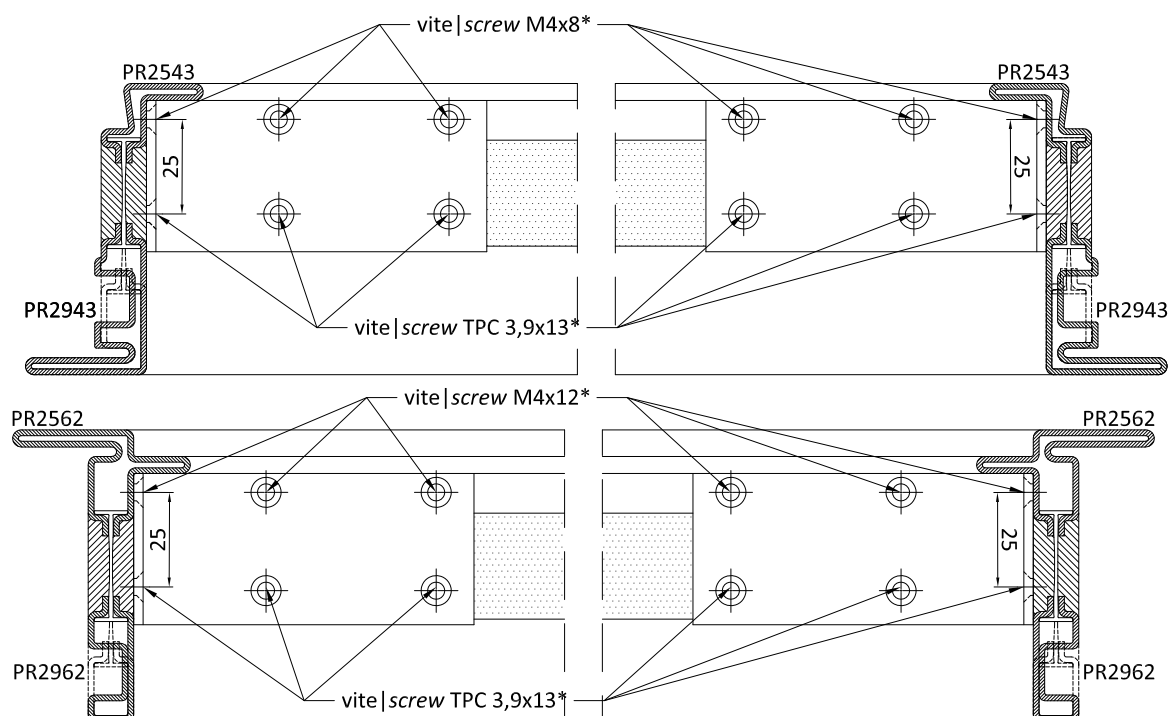
Installare i rinforzi dopo  
l'assemblaggio delle  
ante

**Rinforzo R**  
Fissare i rinforzi in  
corrispondenza degli  
angoli interni superiori  
e inferiori dell'anta

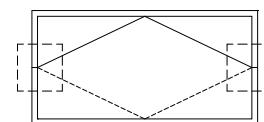
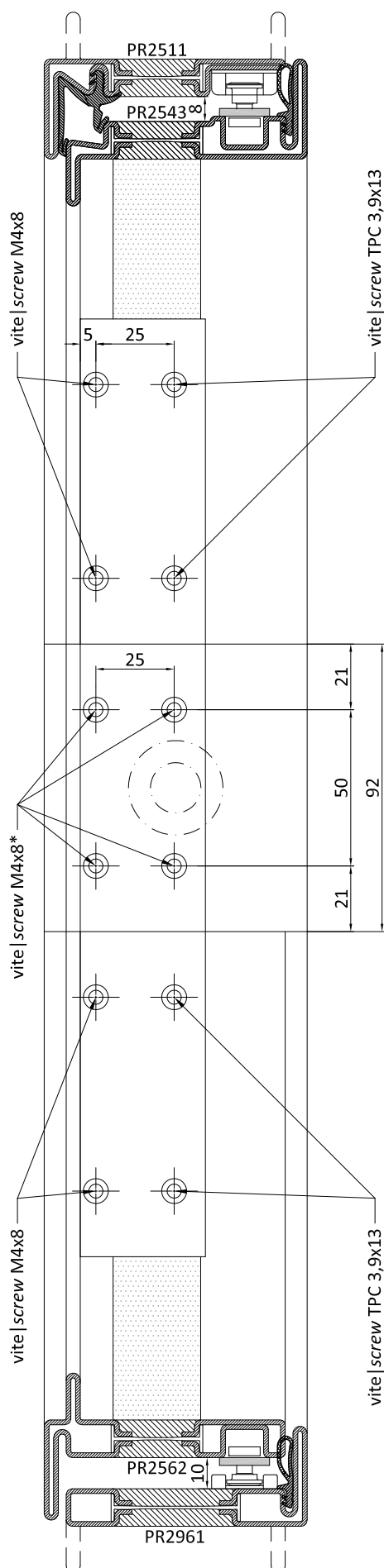
*To install reinforcement  
after the assembly of the  
sash assembly*

**Reinforcement R**  
*To fix the reinforcement  
on the internal side of  
the corner on the upper  
and lower part of the  
sash*

Fissaggio rinforzi parte inferiore anta | Fixing lower reinforcements sash

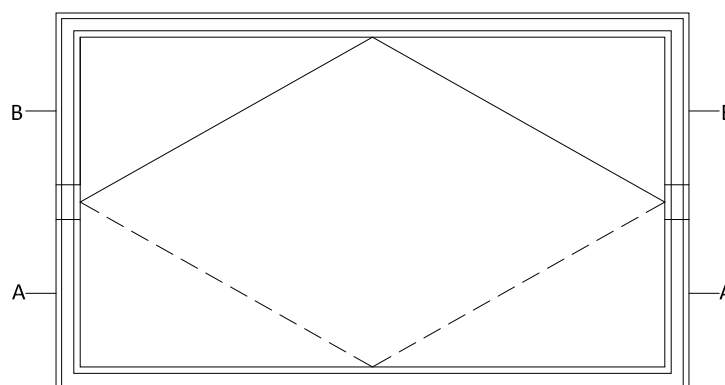
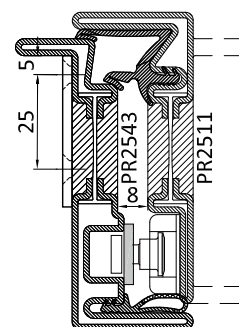
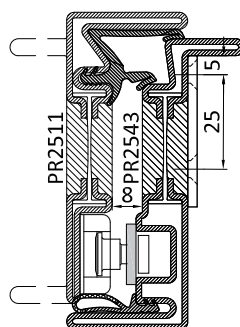


\* viti non comprese  
\* screws not supplied

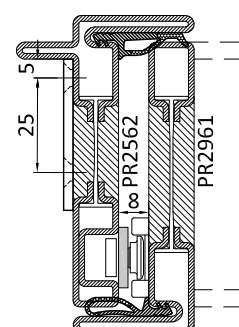
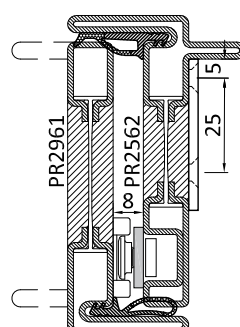


tipo | type B

Sezione | Section B



Sezione | Section A



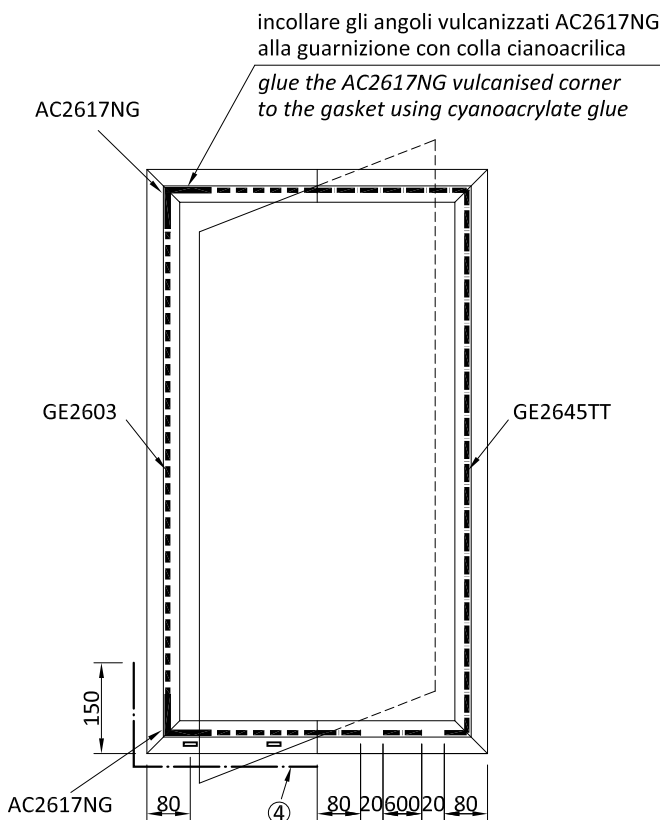
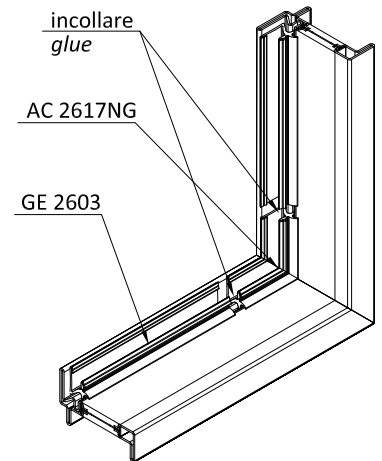
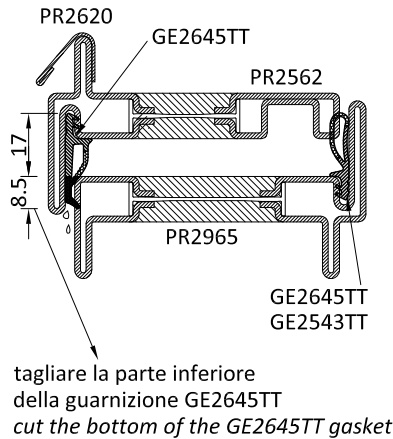
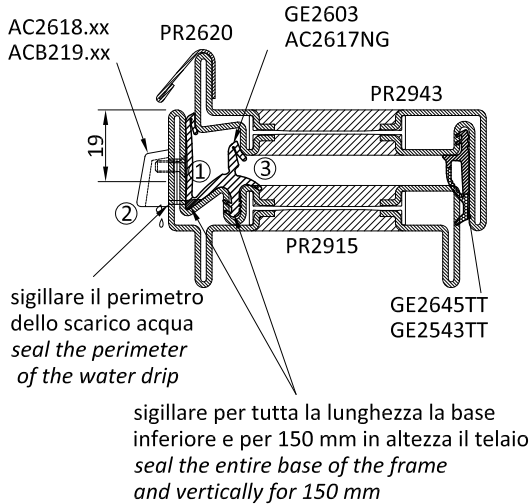
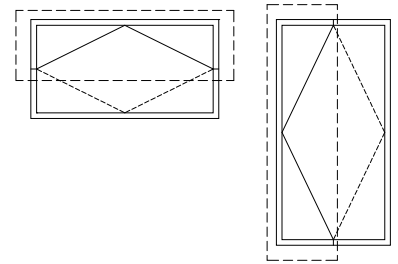
Installare i rinforzi dopo l'assemblaggio delle ante  
To install reinforcement after the assembly of the sash assembly

\*forare e filettare lo snodo bilico per le 4 vite M4x8  
\*drill and thread the pivot joint for the 4 M4x8 screws

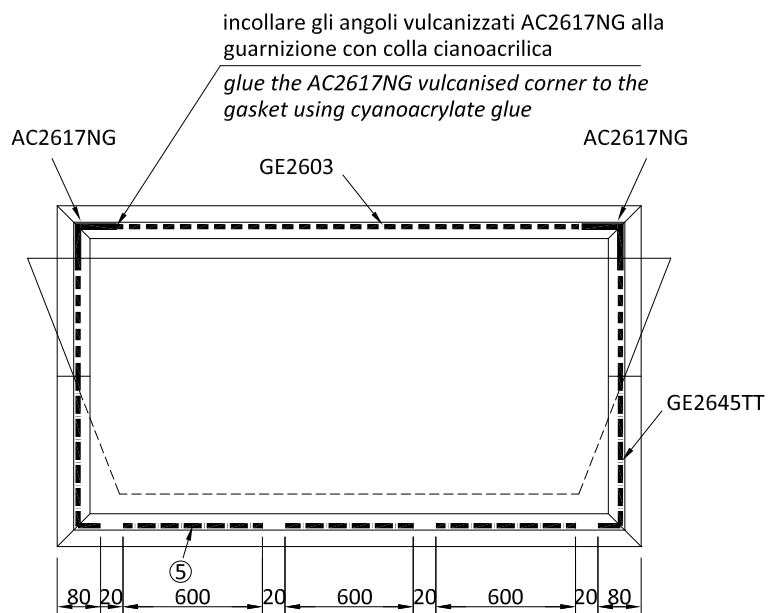
solo con profili in ottone con peso anta >100kg  
only with brass profiles with sash >100kg

- 1) Eseguire i fori come da disegno (lavorazione effettuabile con maschera AT2618).
- 2) Posizionare lo scarico acqua e sigillare fissare con viti in dotazione Inox A2.
- 3) Posizionare la guarnizione di giunto centrale e gli angoli vulcanizzati, incollare gli angoli alla guarnizione a mezzo di colla ciano-acrilica.
- 4) Sigillare per tutta la lunghezza la base inferiore e per 150 mm in altezza il telaio.

- 1) Drill the holes as shown in the diagram (using jig AT2618).
- 2) Position the water drain, seal and secure with the supplied A2 stainless screw.
- 3) Position the central weather strip and vulcanised corner, glue the corners to the weathers strip using cyanoacrylate glue.
- 4) Seal the entire lower base of the frame and vertically for 150 mm.

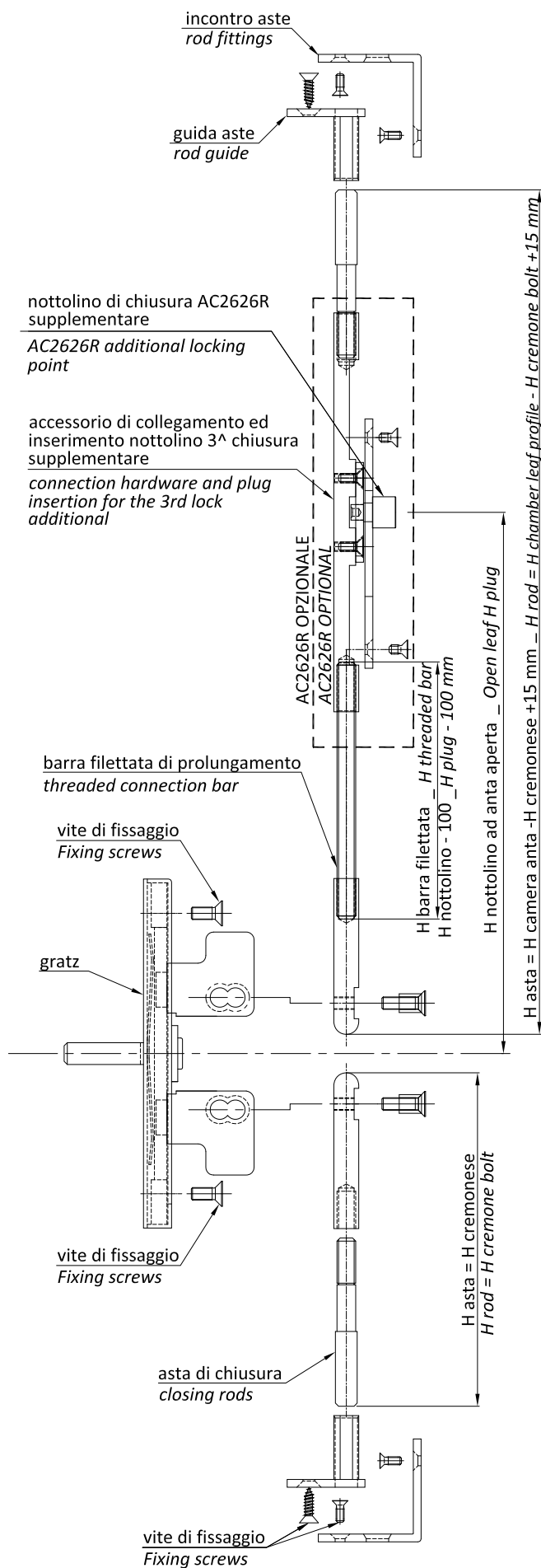


----- GE2603  
----- GE2645TT

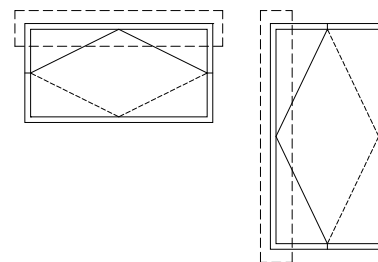


- ④ sigillare per tutta la lunghezza la base inferiore e per 150 mm in altezza il telaio  
seal the entire base of the frame and vertically for 150 mm

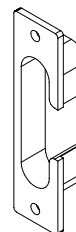
- ⑤ tagliare la parte inferiore della guarnizione GE2645TT  
cut the bottom of the GE2645TT gasket



- 1) Avvitare le aste di chiusura agli accessori di collegamento
- 2) Inserire le aste negli spacchi predisposti agli angoli dell'anta
- 3) Inserire e fissare il GRATZ all'anta
- 4) Fissare le aste di chiusura al GRATZ con viti M4 in dotazione
- 5) Inserire gli accessori guida aste negli spacchi predisposti e fissati all'anta
- 6) Fissare gli incontri al telaio



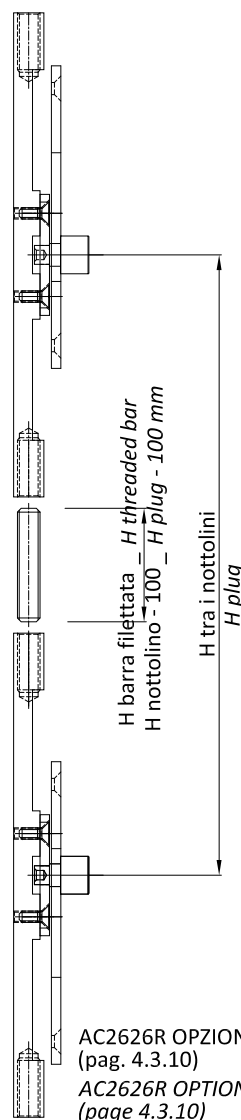
- 1) Screw the closing rods to the connection fittings
- 2) Insert the rods into the slits on the leaf corners
- 3) Insert the "GRATZ" mechanism into the leaf and secure
- 4) Secure the closing rods to the "GRATZ" mechanism using the M4 screws
- 5) Insert the rod guides into the slits and fix them to the leaf
- 6) Secure the fittings to the frame



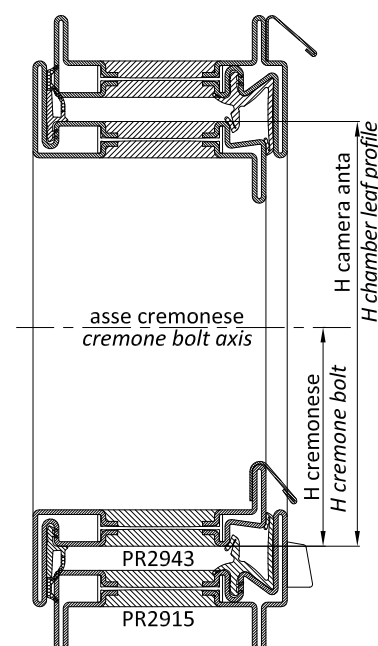
AC2626R incontro 3^ chiusura  
OPZIONALE  
AC2626R 3rd lock strike plate  
OPTIONAL

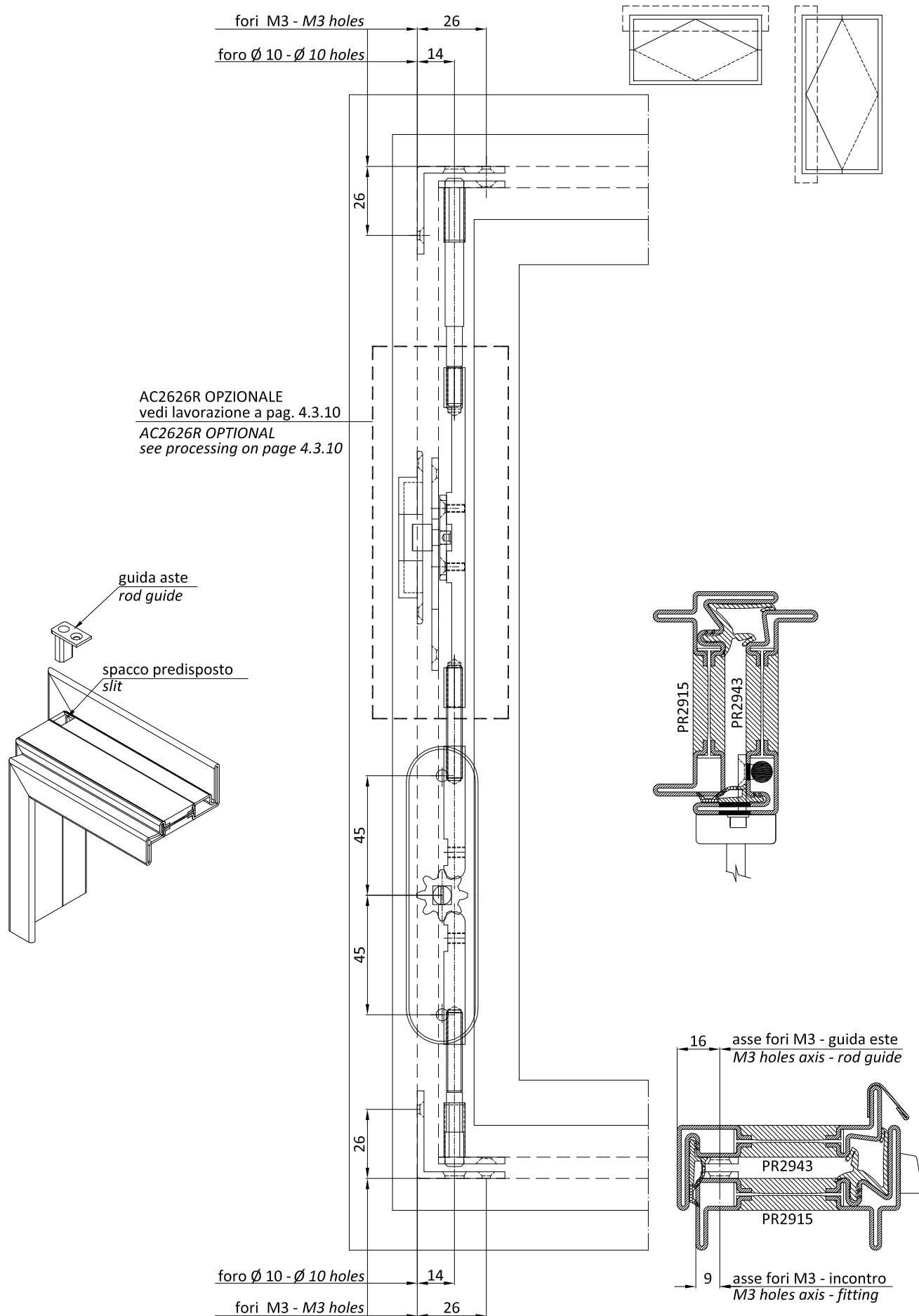
N.B. prevedere un punto di chiusura  
ogni 1000 mm max

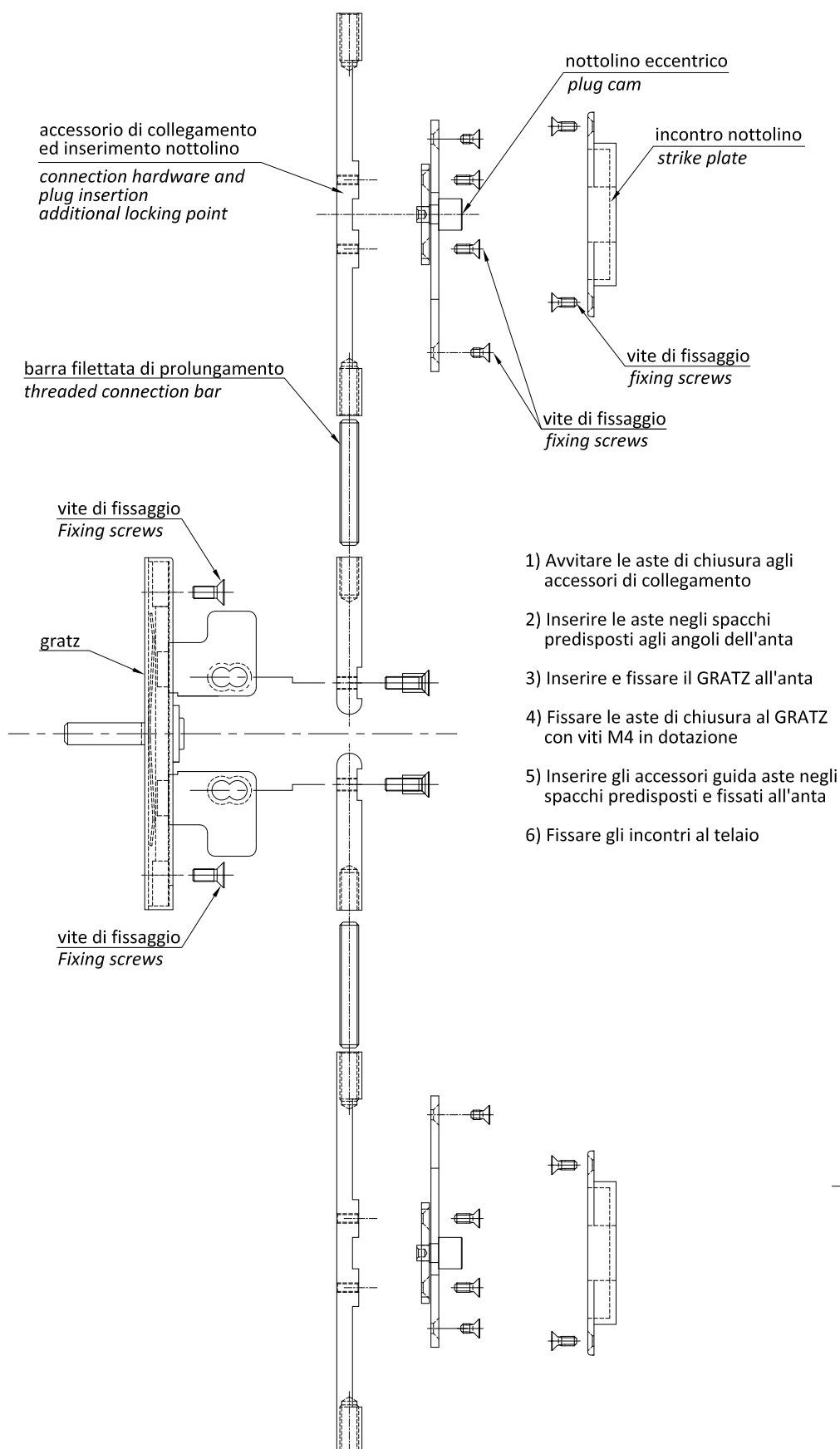
Attn. Consider one locking point every  
1000 mm max



AC2626R OPZIONALE  
(pag. 4.3.10)  
AC2626R OPTIONAL  
(page 4.3.10)

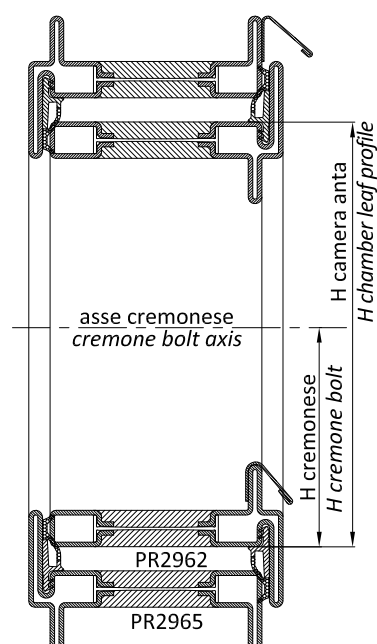






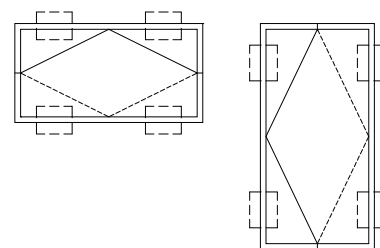
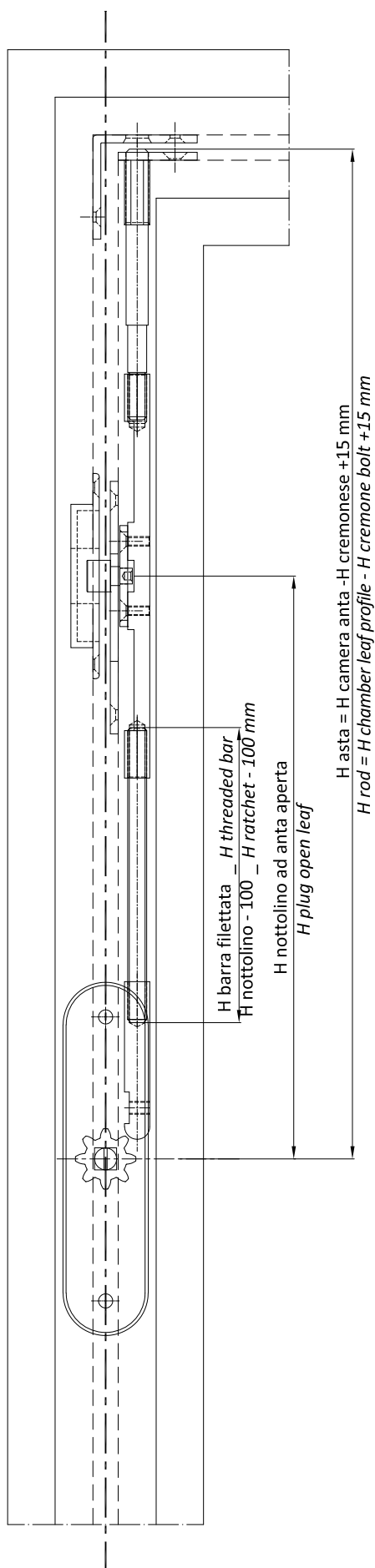
- 1) Avvitare le aste di chiusura agli accessori di collegamento
- 2) Inserire le aste negli spacchi predisposti agli angoli dell'anta
- 3) Inserire e fissare il GRATZ all'anta
- 4) Fissare le aste di chiusura al GRATZ con viti M4 in dotazione
- 5) Inserire gli accessori guida aste negli spacchi predisposti e fissati all'anta
- 6) Fissare gli incontri al telaio

- 1) Screw the closing rods to the connection fittings
- 2) Insert the rods into the slits on the leaf corners
- 3) Insert the "GRATZ" mechanism into the leaf and secure
- 4) Secure the closing rods to the "GRATZ" mechanism using the M4 screws
- 5) Insert the rod guides into the slits and fix them to the leaf
- 6) Secure the fittings to the frame



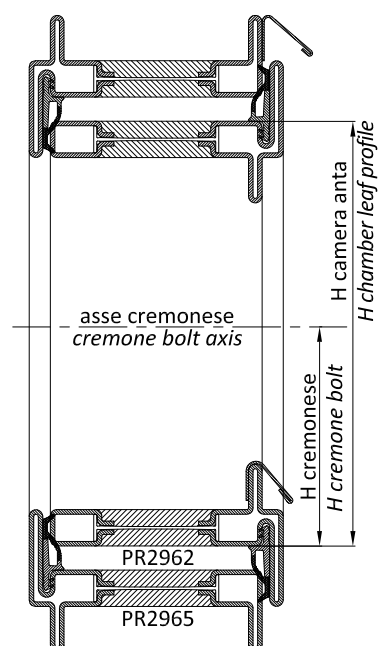
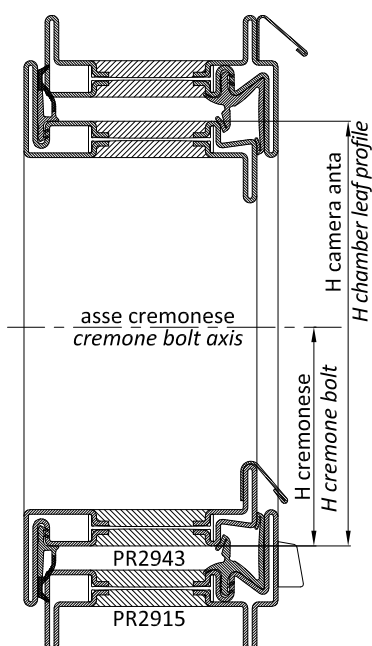
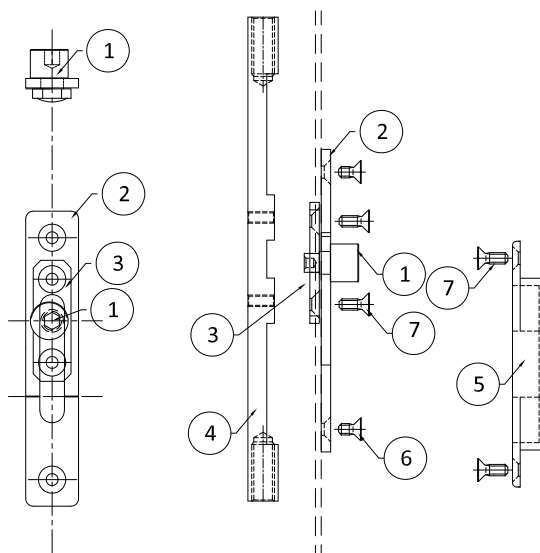


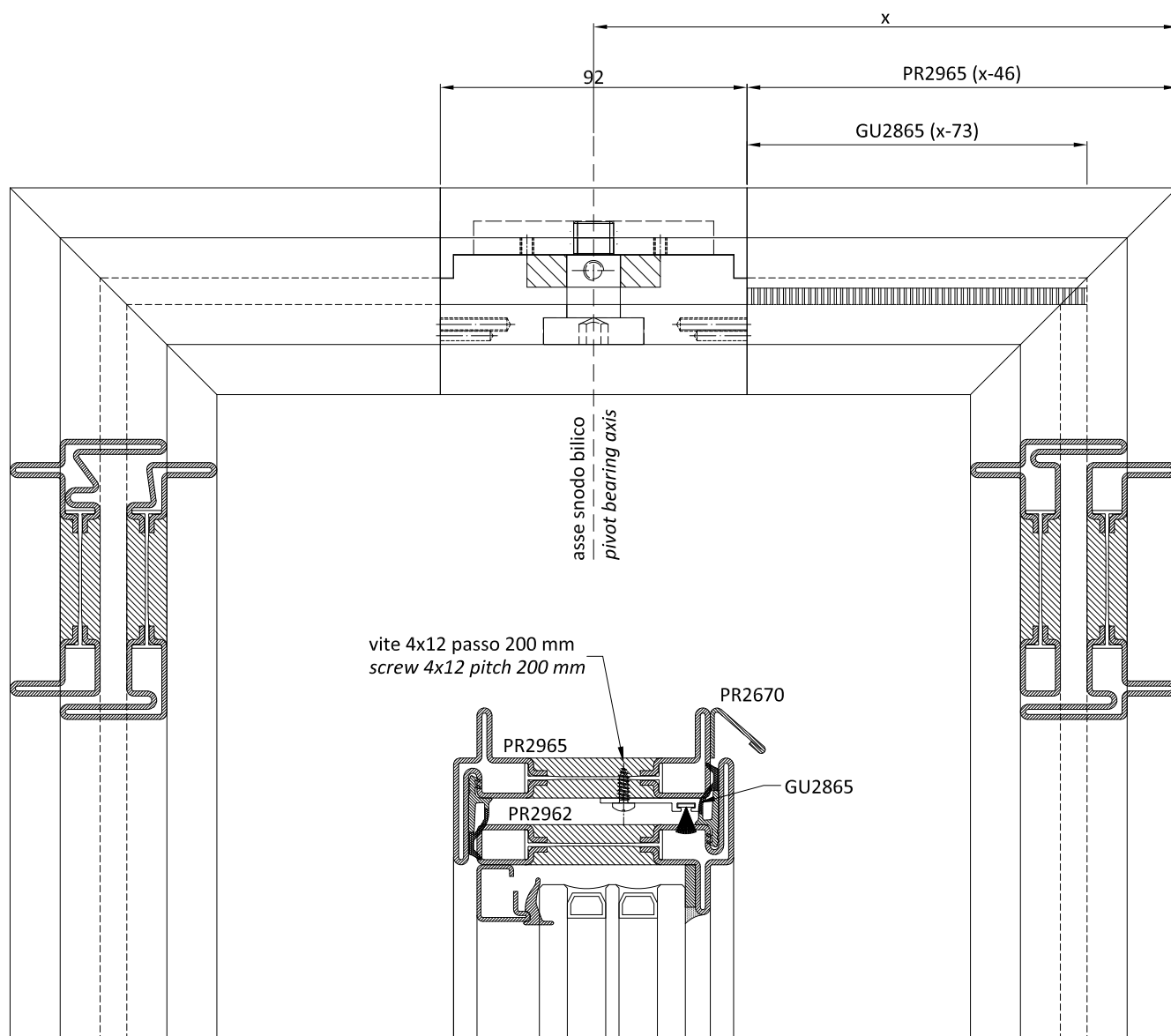
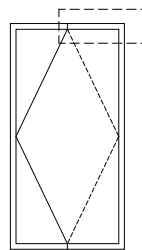




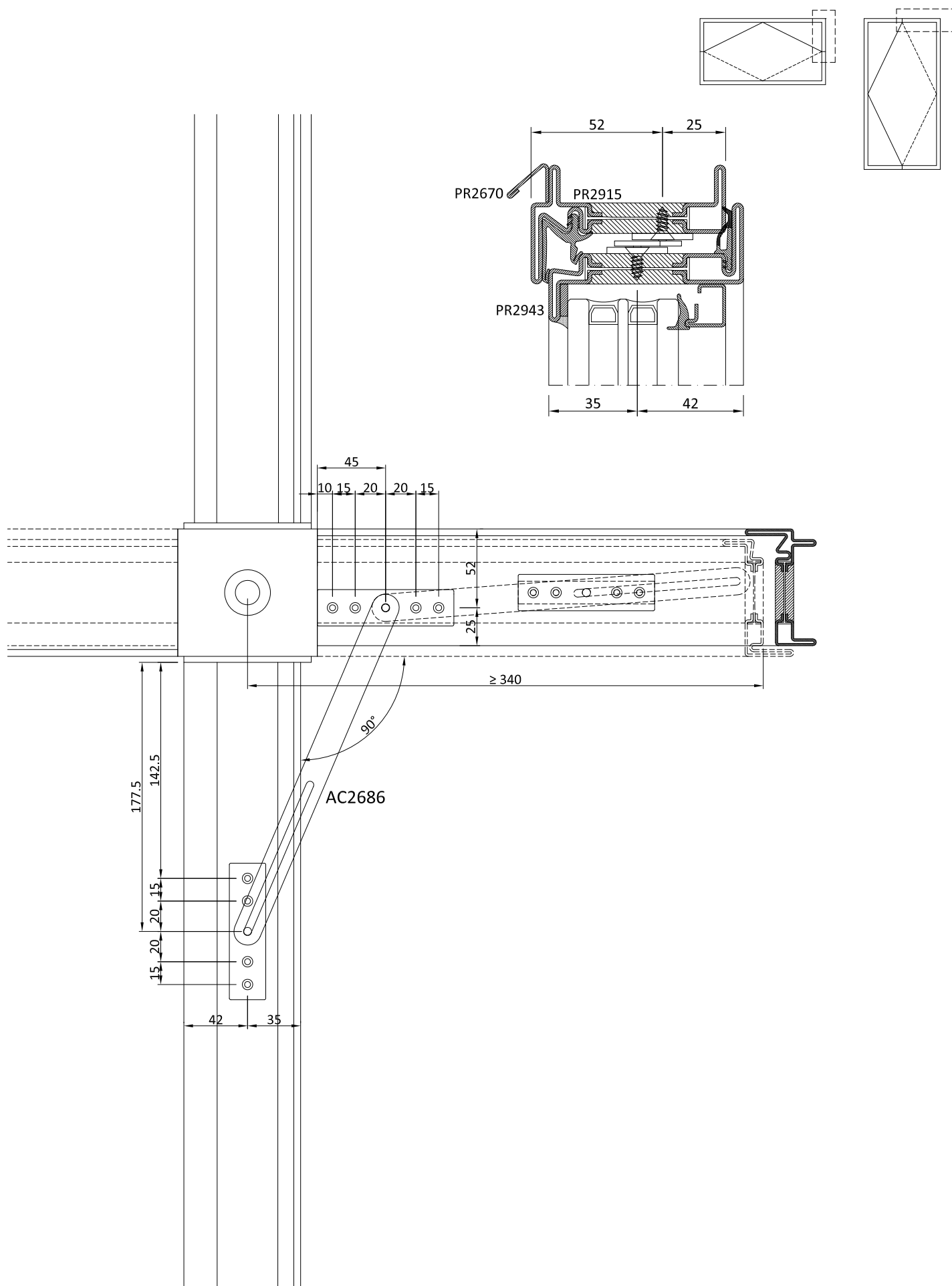
- 1) Rullino eccentrico
- 2) Piastra di fissaggio
- 3) Piastra di collegamento
- 4) Accessorio aggancio aste
- 5) Incontro 3<sup>a</sup> chiusura
- 6) viti M3 x 6
- 7) viti M3 x 8

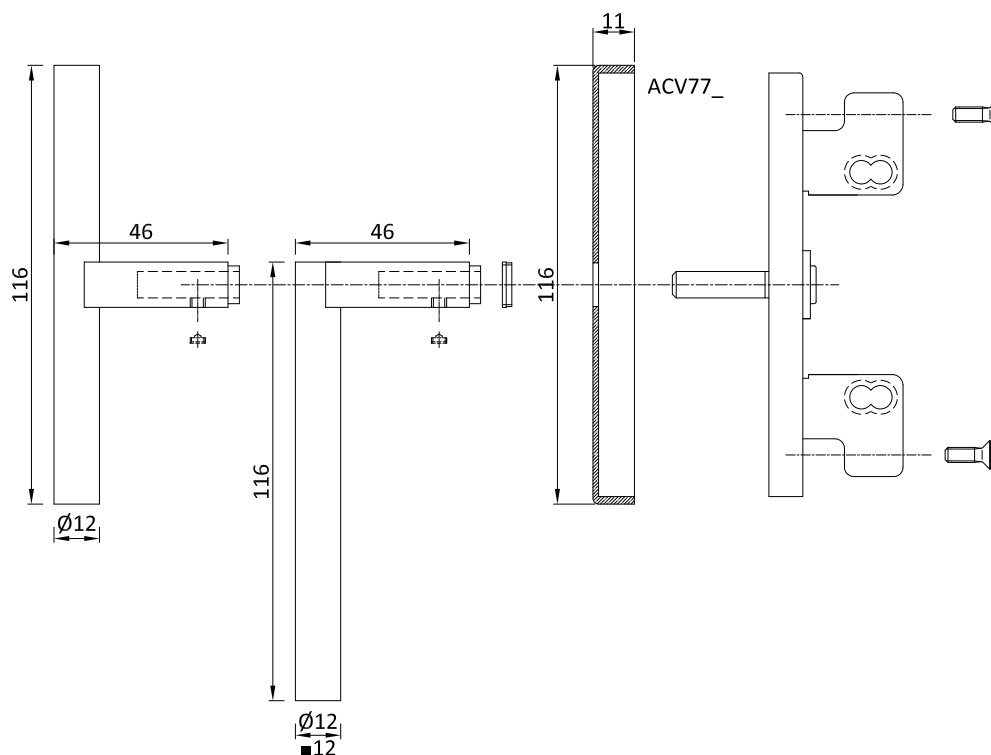
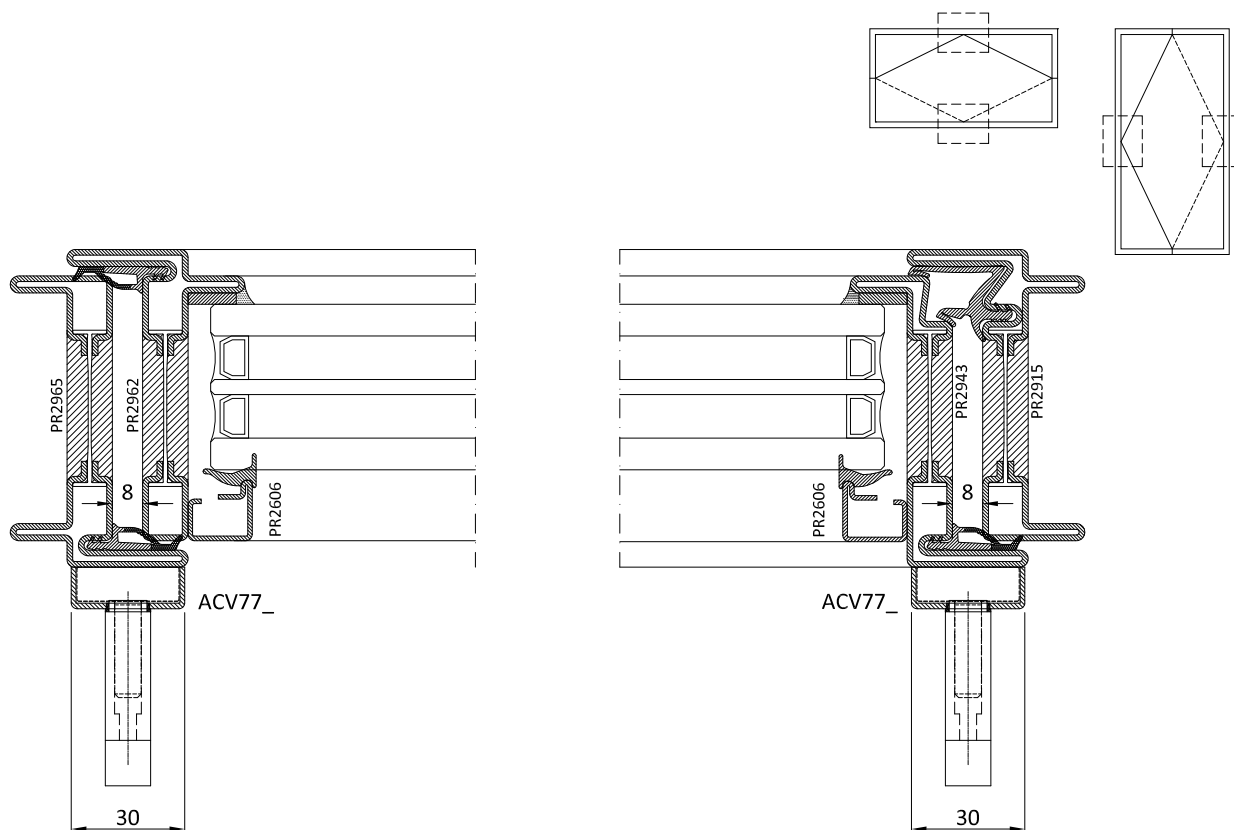
- 1) Barrel cam
- 2) Installation plate
- 3) Connecting plate
- 4) Rod docking accessory
- 5) 3rd lock strike plate
- 6) screws M3 x 6
- 7) screws M3 x 8





\* vite 4x12 mm non comprese | screw 4x12 mm not supplied

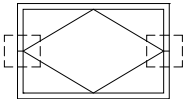




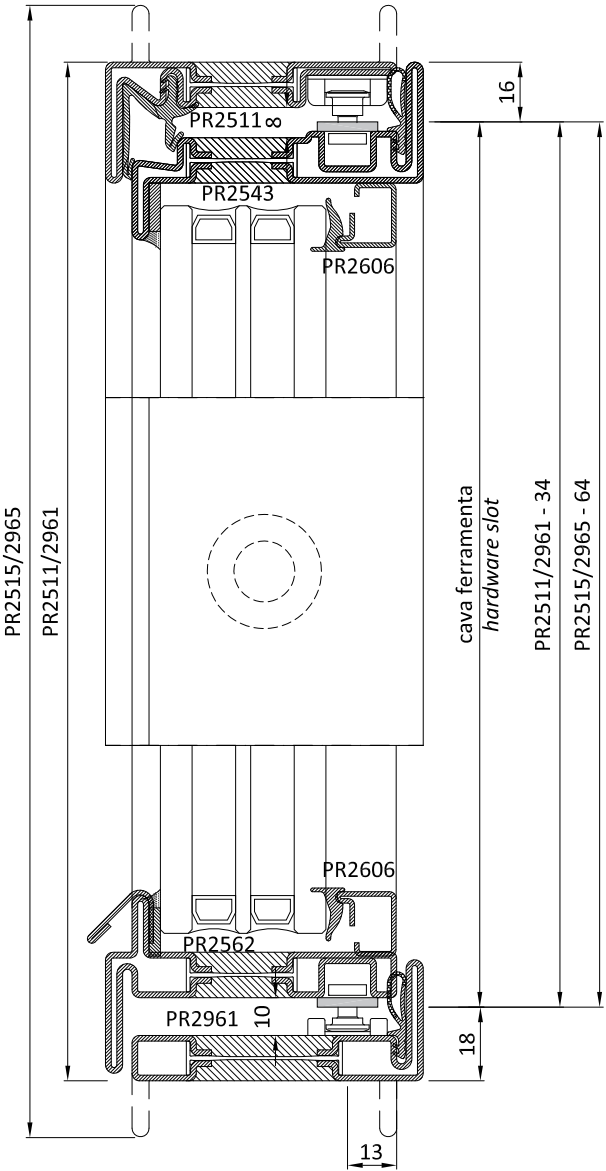
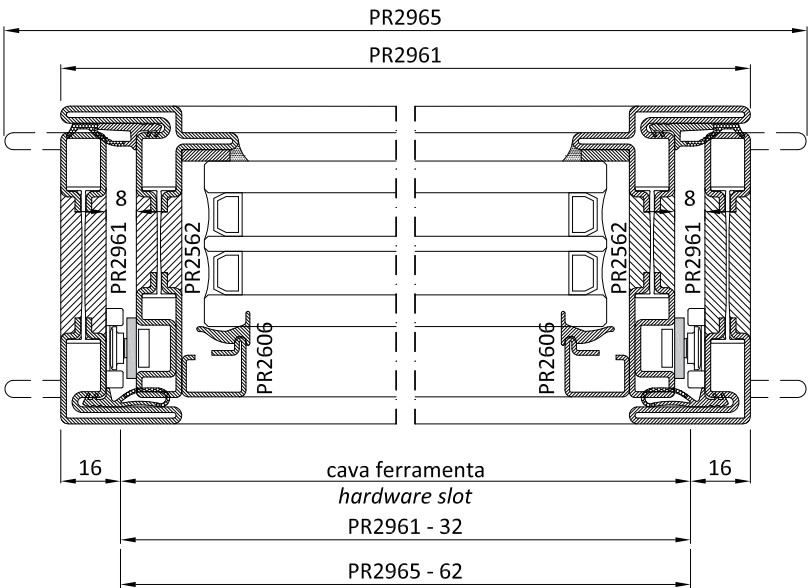
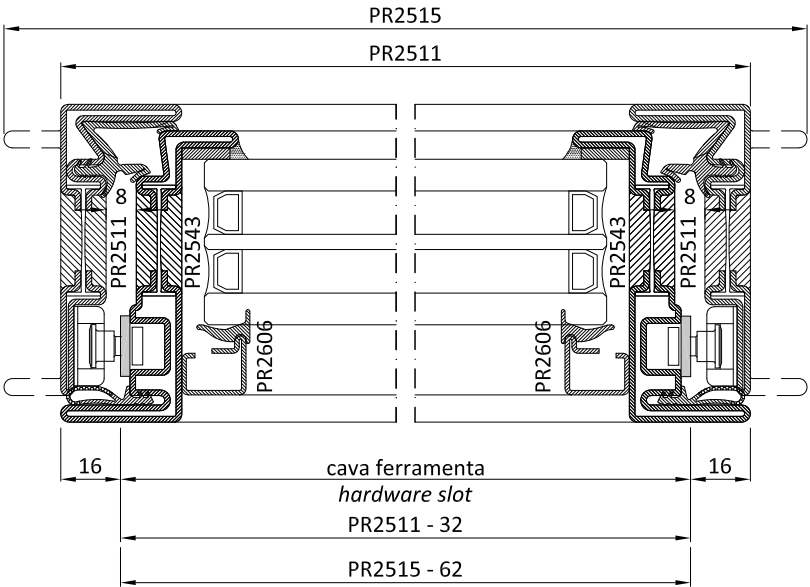
AGP580.xx

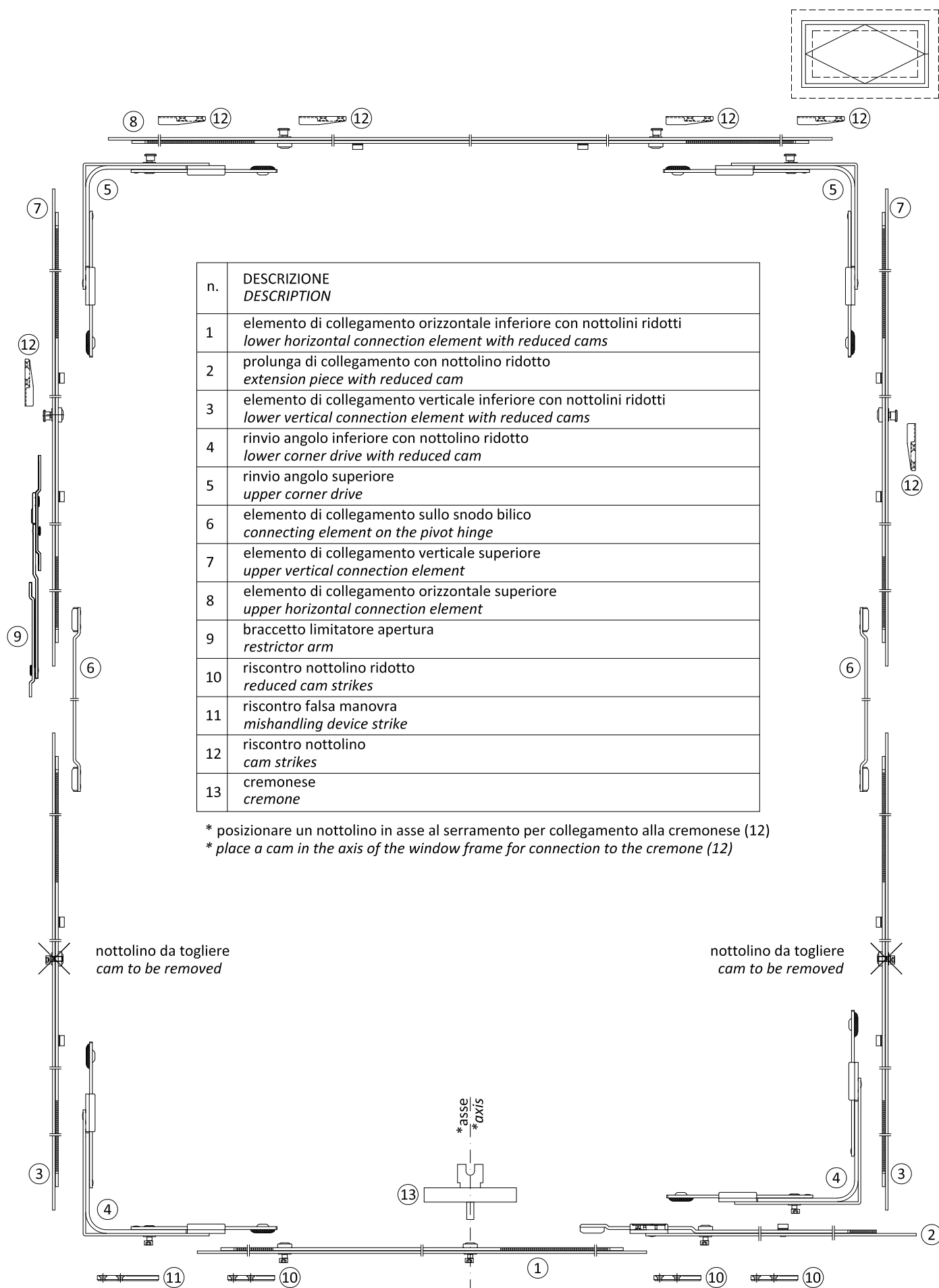
250 kg

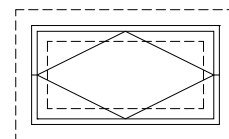
Bilico | Pivot



|                         | Bilico<br>Pivot | H altezza - height |              |              |
|-------------------------|-----------------|--------------------|--------------|--------------|
|                         |                 | 1030<br>1300       | 1301<br>1500 | 1501<br>2300 |
| L<br>larghezza<br>width | 950-1090        | A1                 | B1           | C1           |
|                         | 1091-1220       | A2                 | B2           | C2           |
|                         | 1221-1420       | A3                 | B3           | C3           |
|                         | 1421-1780       | A4                 | B4           | C4           |
|                         | 1781-2010       | A5                 | B5           | C5           |
|                         | 2011-2180       | A6                 | B6           | C6           |
|                         | 2181-2500       | A7                 | B7           | C7           |



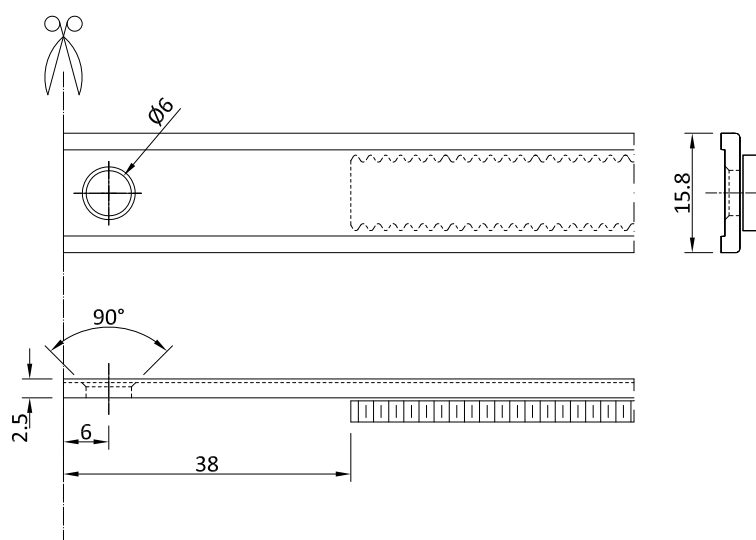




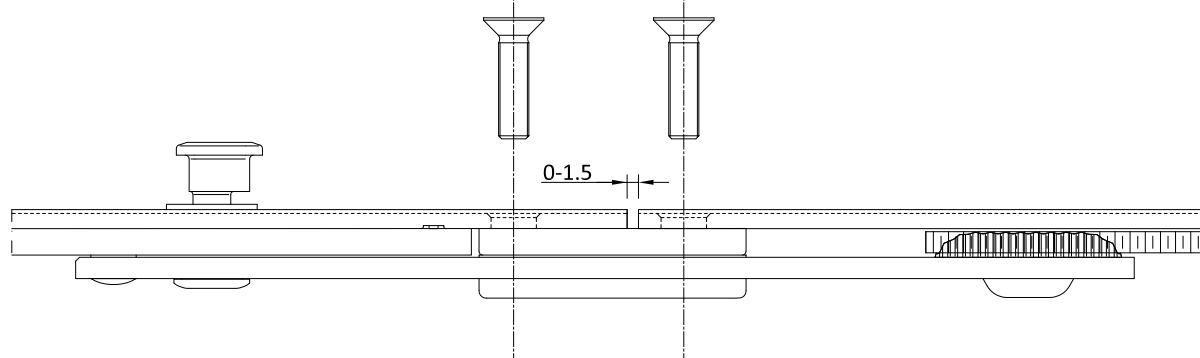
Lavorazione da eseguire sui componenti rasabili della ferramenta  
Working on the cuttable pieces of the hardware

- 1 - Eseguire taglio della ferramenta sfalsato
- 2 - Eseguire foro e svasatura

- 1 - Cutting of the hardware
- 2 - Hole drilling and countersink



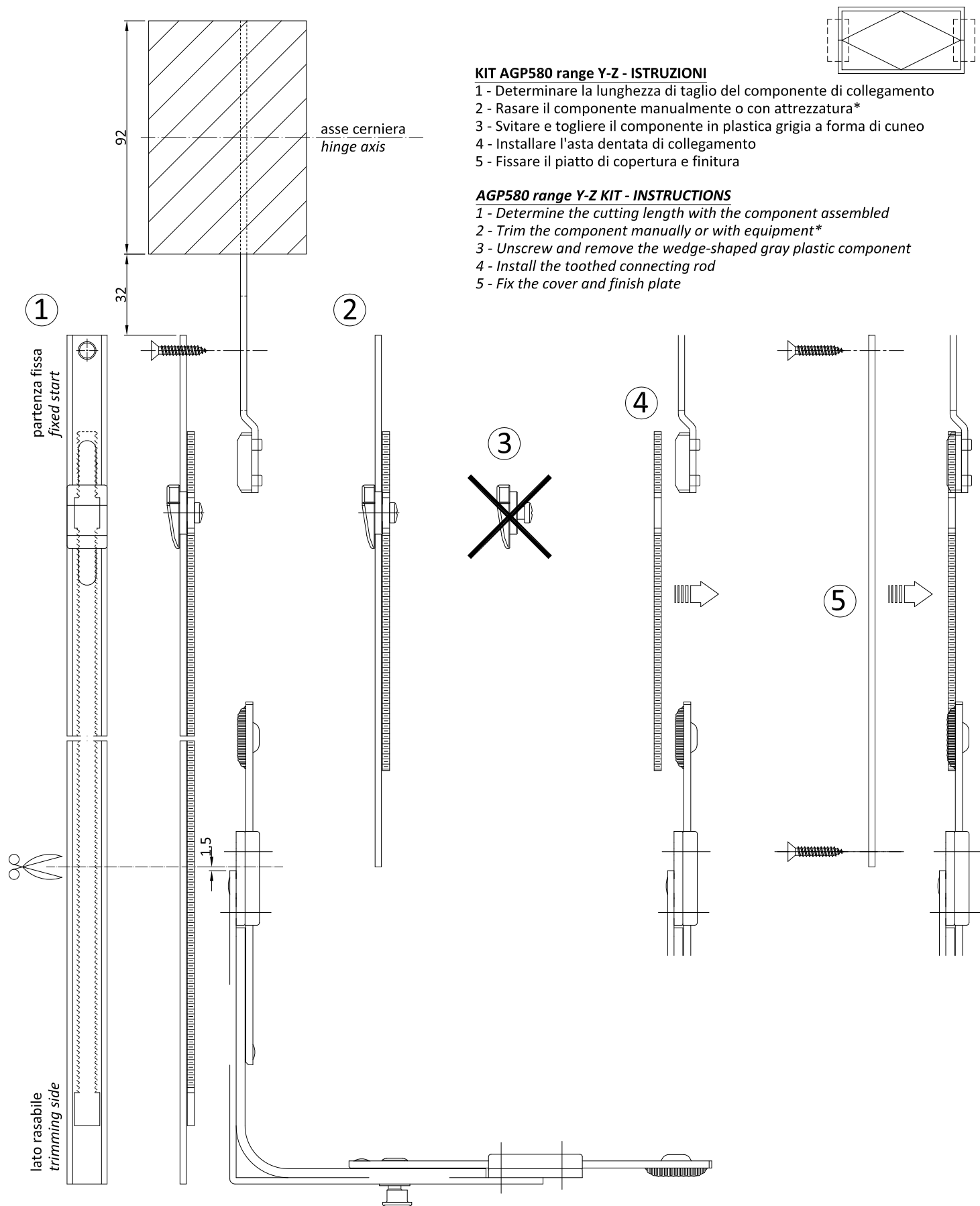
viti trilobate|lobed screws  
PR2543 - M4 x 16\* (CV1271I)  
PR2562 - M4 x 14\* (CV2683I)



Lavorazione eseguibile con trancia ATG 311 o ATG 312  
Tooling possible with punching machine ATG 311 or ATG 312

\* viti non comprese  
\* screws not supplied

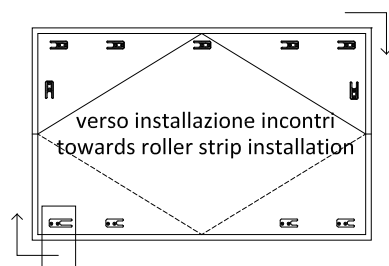




\* Lavorazione eseguibile con trancia ATG 311 o ATG 312

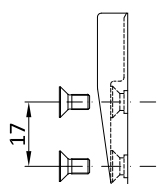
\* Tooling possible with punching machine ATG 311 or ATG 312

viti non comprese  
screws not supplied

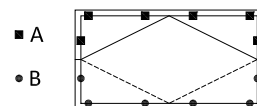
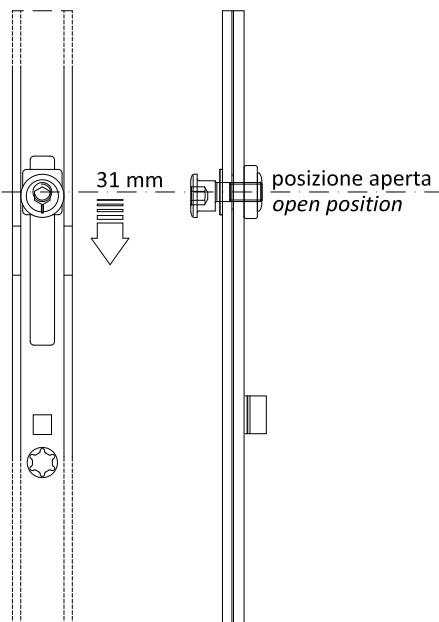
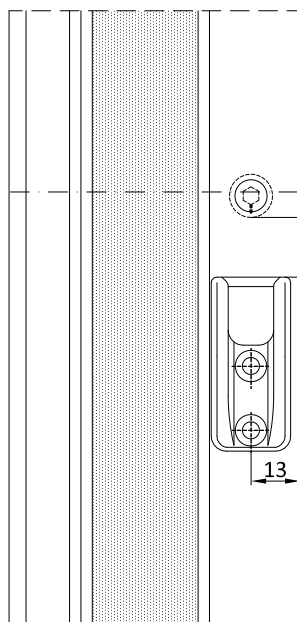
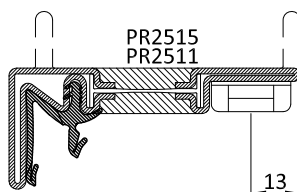


Riscontro anti falsa manovra  
Mishandling device strike

Riscontri nottolino tipo A  
Roller strip type A

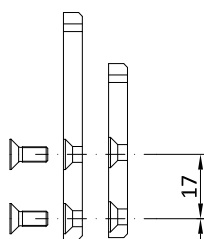


viti trilobate | lobed screws  
M4x8\* - CV1243I

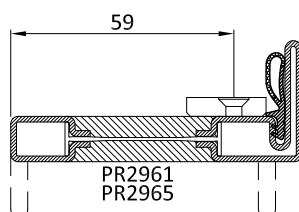
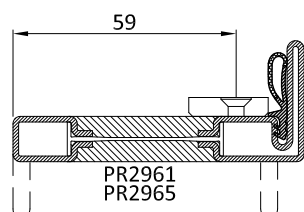
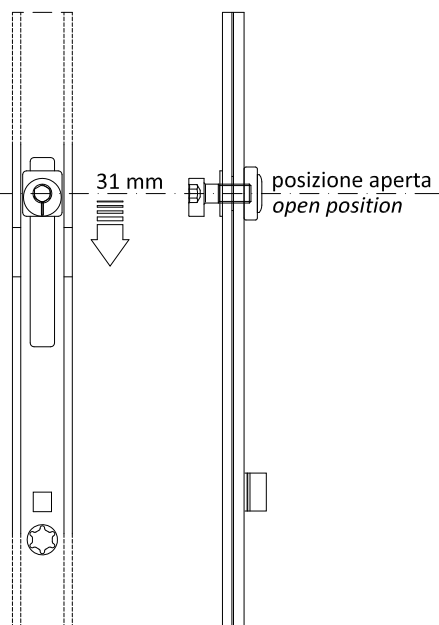
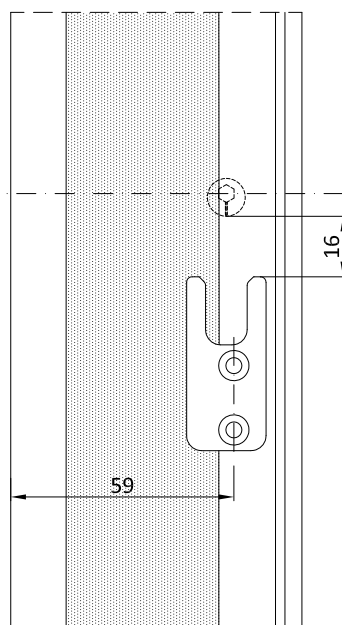
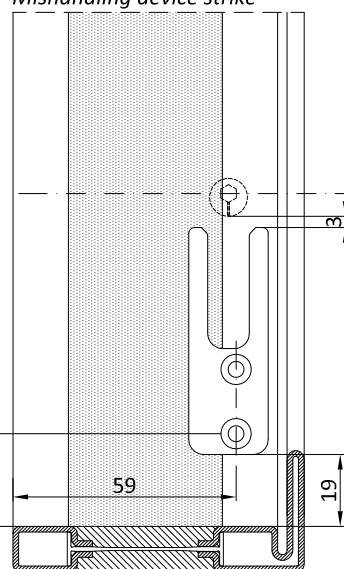


Riscontri anti falsa manovra  
Mishandling device strike

Riscontri nottolino tipo B  
Roller strip type B



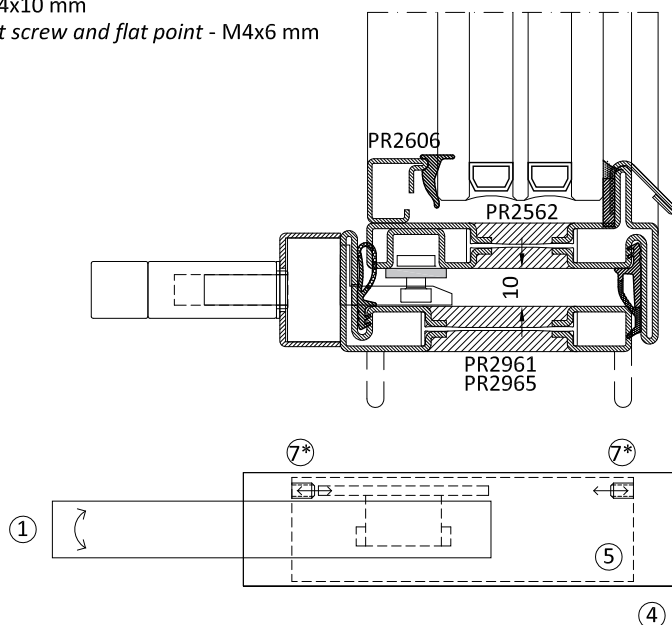
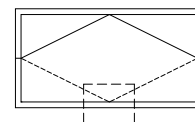
viti trilobate | lobed screws  
M4x8\* - CV1243I



\* viti non comprese  
\* screws not supplied

## ACV87\_P.xx componenti|components

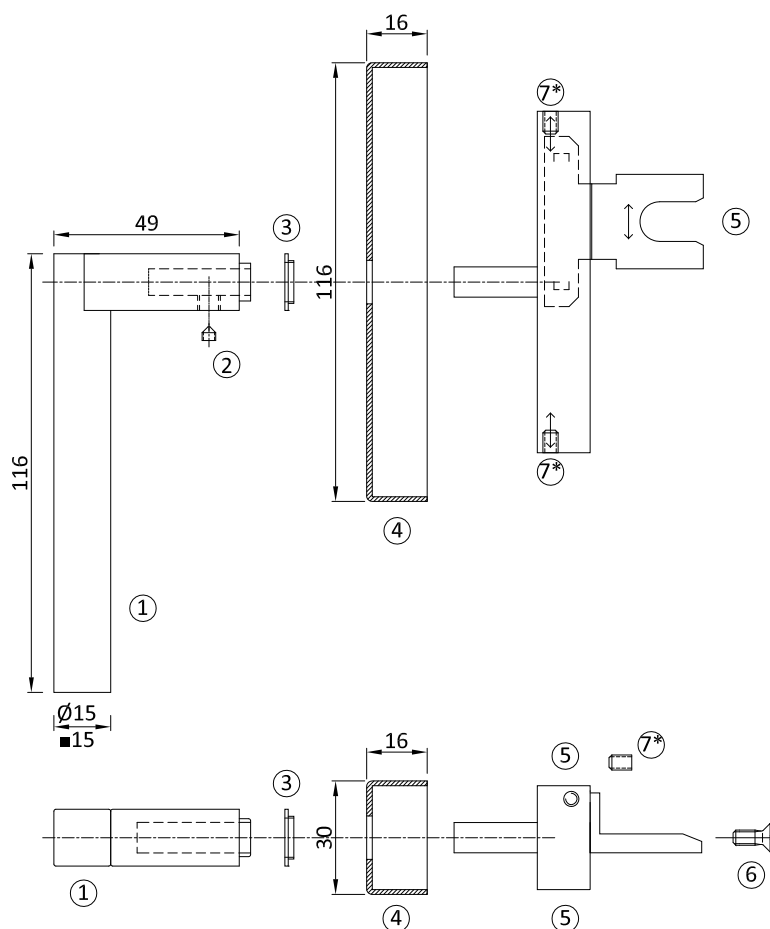
1. impugnatura | *handle*
2. grano punta conica | *set screw and point* - M6x6 mm
3. rondella | *ring*
4. copertina | *cover*
5. meccanismo maniglia | *handle mechanism*
6. viti | *screws* - TPSEI M4x10 mm
7. grano punta piana | *set screw and flat point* - M4x6 mm



ACV87\_P.xx

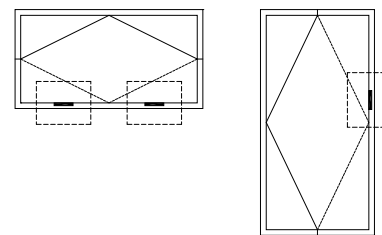
**REGOLAZIONE IMPUGNATURA**  
l'impugnatura deve essere regolata prima di installare la copertina (4) di finitura

**HANDLE ADJUSTMENT**  
the handle must be adjusted before  
installing the finishing cover (4)

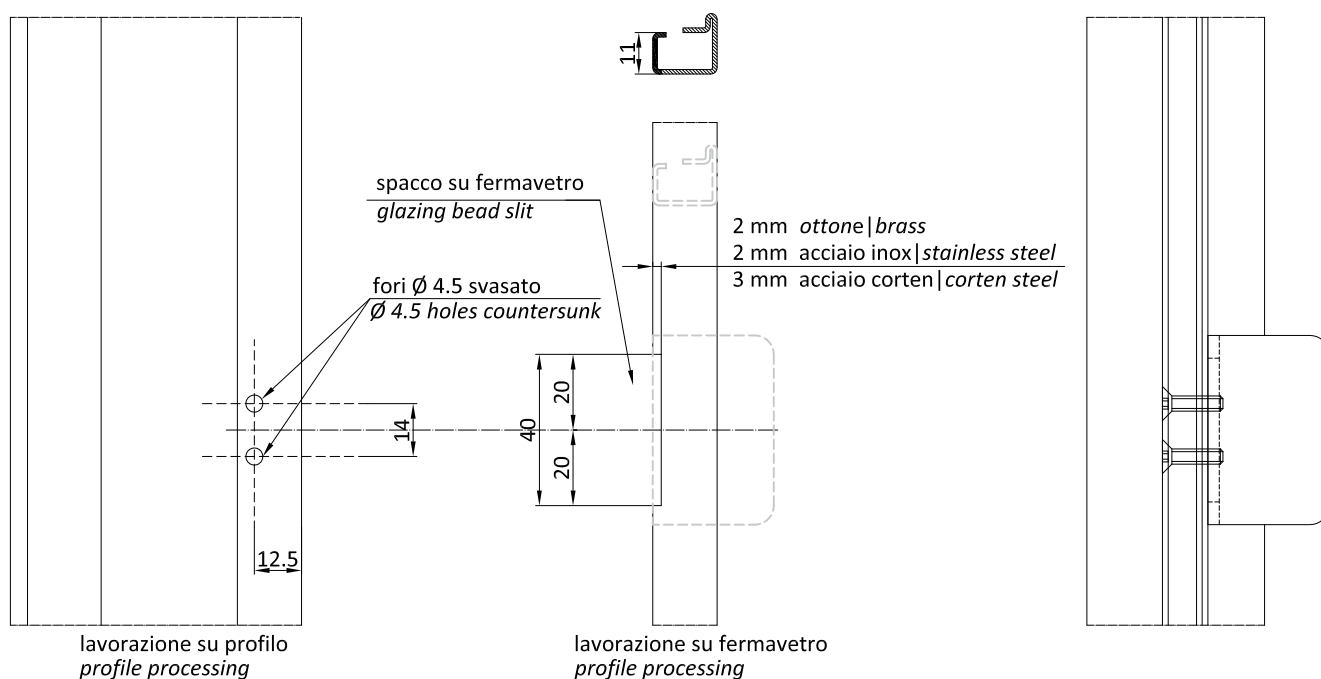
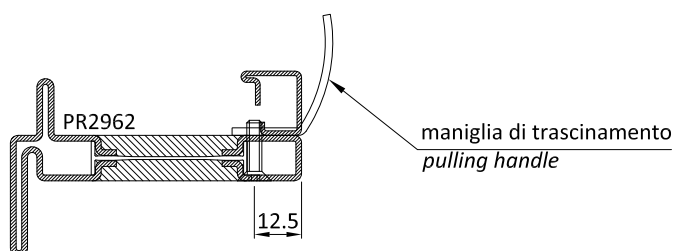
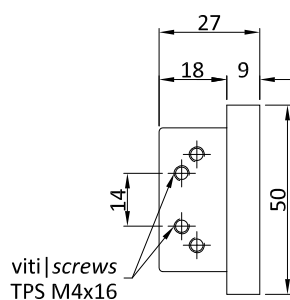


\*grano di regolazione angolo rotazione maniglia; bloccare il grano con frenafili

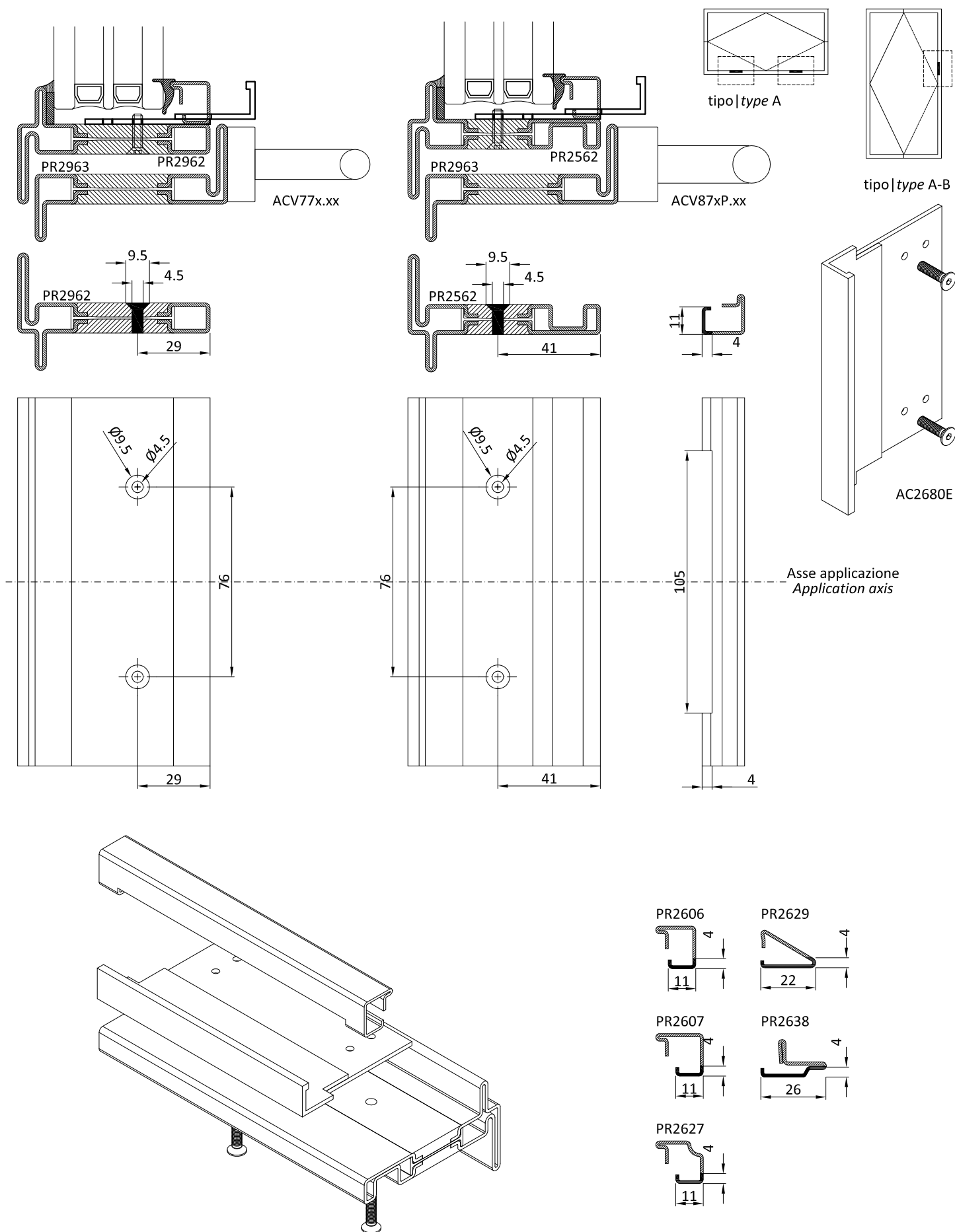
\*dowel for handle rotation angle adjustment; lock the set screw with threadlock

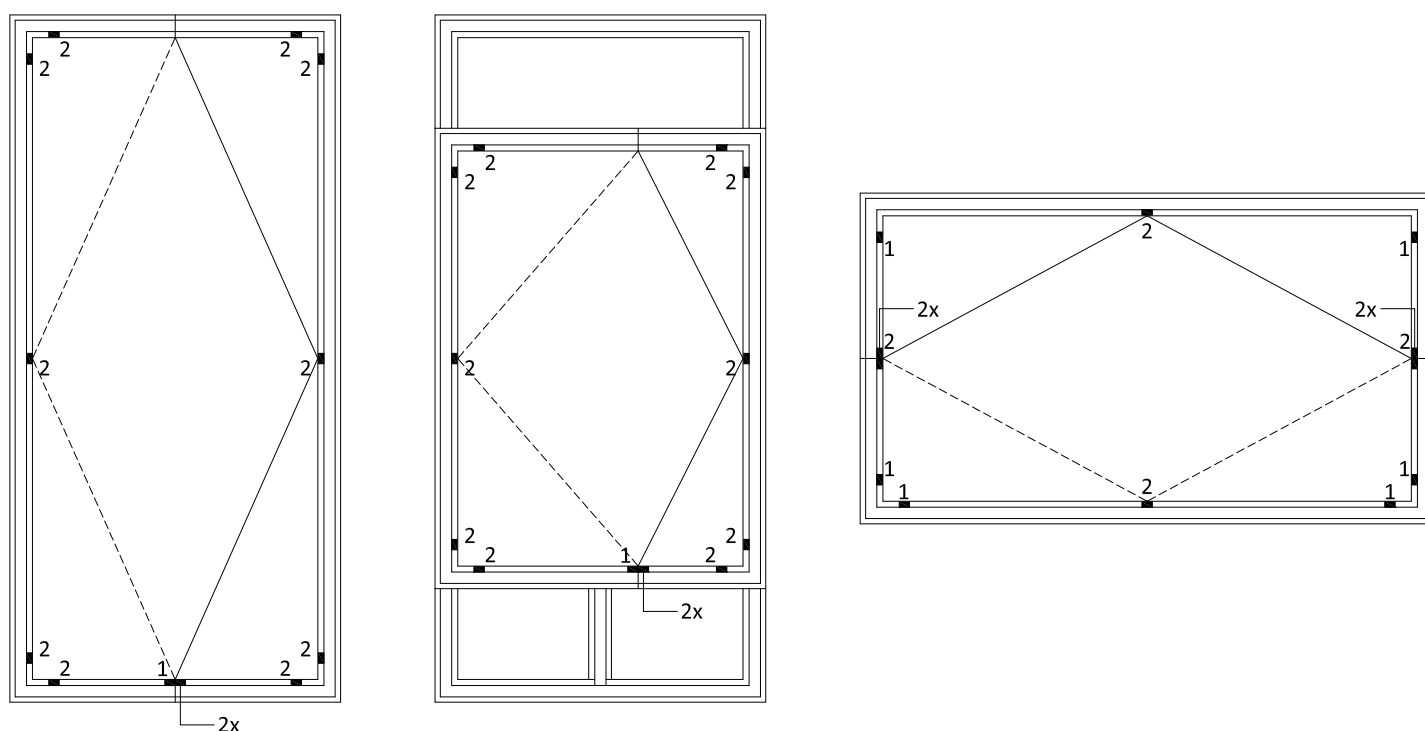


## AC2680



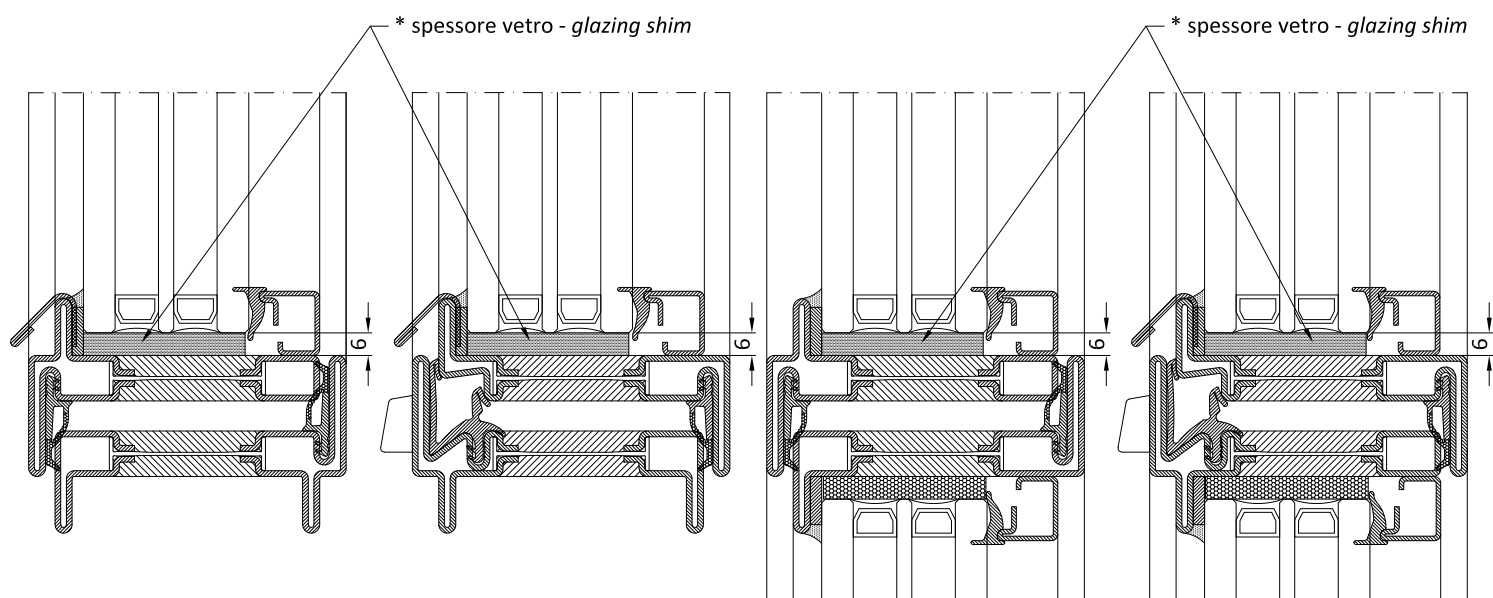
lavorazione non valida per profilo PR2562  
*working not valid for PR2562 profile*





1) spessore portante | *carry shim*

2) spessore distanziatore | *compensation shim*



#### Note / Note

- La larghezza degli spessori è almeno pari o maggiore (+2 mm) dello spessore del vetro installato.
- The shims width is the same or bigger (+2 mm) than the installed glass spacer.
- La posizione degli spessori deve essere garantita dall'utilizzo di materiale adeguato che ne eviti la migrazione.
- The shims position has to be provided by using an appropriate material which avoids any movements.

\* spessori vetro non inclusi - *glazing shims not supplied*

**Generalità**

I sistemi progettati e sviluppati dalla Secco Sistemi sono ideali per la fabbricazione di un'ampia gamma serramenti, vetrate e facciate in metallo. I sistemi sono rivolti ad aziende esperte e professionali nel campo della lavorazione dei metalli e della costruzione di serramenti e facciate, che sono a conoscenza delle normative di riferimento, delle direttive e delle specifiche tecniche del fornitore del sistema, nonché delle fondamentali regole dell'arte per la produzione e installazione di questi manufatti. Tutta la documentazione tecnica fornita costituisce un riferimento per i tecnici qualificati delle aziende al fine di indicare le modalità per la costruzione dei prodotti. In ogni caso i tecnici qualificati devono analizzare criticamente le indicazioni riportate per verificarne la loro adeguatezza per ogni singola commessa in relazione ai carichi, agli stress previsti e alle condizioni di messa in opera, essendo impossibile riportare in questa documentazione tutte le varianti riscontrabili nei progetti reali.

**Tolleranze**

OS2 75 è composto da una serie di profili dalle ridottissime dimensioni e prevede un accoppiamento dei telai esterni con le ante apribili con distanza di 8 mm. Per garantire il corretto funzionamento degli accessori e delle guarnizioni le lavorazioni devono essere eseguite con particolare attenzione e precisione: si consiglia di mantenere la tolleranza per la dimensione degli elementi apribili compresa tra +0/-1 mm e la tolleranza per il sormonto degli stessi compresa tra +0/+0.5 mm.

**Taglio/Lavorazioni**

I profili OS2 75 in acciaio, acciaio inox e corten possono essere tagliati con le normali troncatrici a disco utilizzate per i tubolari in acciaio, mentre per il taglio dei profili in ottone possono anche essere utilizzate troncatrici utilizzate per le serie di alluminio. Vista la loro particolare dimensione e forma si consiglia di utilizzare le ganasce di taglio previste dal sistema (AT2900) per assicurare una perfetta stabilità dei profili durante il taglio. La verifica del taglio sia per la sezione inclinata a 45° che per la sezione verticale a 90° dovrebbe garantire una tolleranza compresa tra -1°/+1°. Tutte le lavorazioni devono essere eseguite con il rispetto della seguente nota tecnica ed eventuali modifiche concordate con l'ufficio tecnico Secco Sistemi.

**Saldatura**

I profili OS2 75 possono essere saldati con i tradizionali sistemi di saldatura (MIG/MAG, TIG), con un idoneo sistema di lubrificazione/refrigerazione e utilizzando le istruzioni presenti nella presente nota tecnica ed evitando di saldare in prossimità della giunzione a taglio termico. L'eventuale riscaldamento del poliuretano libera sostanze gassose a base di aldeidi e CO: per tale ragione si consiglia di saldare con gli appositi DPI previsti e in zone con sufficiente areazione e in presenza di sistema per l'evacuazione dei fumi. I profili in corten devono essere saldati con apposito filo in corten mentre per i profili in ottone si può utilizzare un filo CuSi3. Si raccomanda di saldare in profondità e senza lasciare fori e porosità le aree in contatto, di lisciare e pulire adeguatamente la superficie saldata per garantire una corretta resistenza strutturale all'angolo e permettere una successiva verniciatura senza imperfezioni estetiche visibili (pori e ondulazioni).

**Verniciatura/Brunitura**

I profili OS2 75 sono stati progettati per essere verniciati a polveri in forni con temperature di 180°C per 25 minuti. La zona a taglio termico in poliuretano non è in grado di accogliere con sufficiente adesione le polveri poliesteri e perciò si consiglia di ricoprire tali zone, nelle sole parti destinate ad essere in vista, con apposite pellicole adesive idonee al passaggio in forno (SA1024/33/42/52). I telai prima della verniciatura o della brunitura devono essere forati come da istruzioni presenti in questa nota tecnica per permettere la fuoriuscita dei liquidi utilizzati durante il pretrattamento delle superfici. All'uscita del forno di polimerizzazione della polvere i telai vanno rimossi accuratamente e adagiati in posizione piana sino al loro completo raffreddamento. Si consiglia di seguire il ciclo di pretrattamenti e verniciatura presente nella documentazione Secco Sistemi.

**Vetrazione**

Il sistema di fissaggio del vetro prevede l'utilizzo di fermavetri agganciati all'interno tramite clips o boccole interne e mandati in pressione con l'incastro dell'apposita guarnizione e all'esterno, l'utilizzo di siliconatura o inserimento della guarnizione adesiva GE2606 (il sistema con sigillatura è da utilizzarsi quando le ante superano 1 m<sup>2</sup> di superficie per garantire una maggior rigidità del pannello vetrato). Per il corretto funzionamento del sistema si suggerisce di verificare la perfetta compressione delle guarnizioni interne del fermavetro e la mancanza di imperfezioni lungo il perimetro della siliconatura esterna.

**Installazione**

La corretta installazione deve garantire il mantenimento delle performance dichiarate nella marcatura CE e testate in laboratorio. Si consiglia di progettare un corretto numero di fissaggi in relazione al tipo di contro telaio/muratura esistente e alle dimensioni degli elementi da installare. Al termine dell'installazione si verifichi il corretto funzionamento del serramento (facilità di apertura/chiusura, stabilità dell'anta aperta a riposo, etc.), il rispetto delle fughe e del sormonto tra ante apribili e telai fissi, il regolare posizionamento delle guarnizioni e delle sigillature, il drenaggio del giunto aperto e la mancanza di difetti estetici sulle superfici del telaio e del vetro.

**General information**

The systems designed and developed by Secco Sistemi are suitable for the manufacturing of a wide range of doors, windows and shutters, as well as faces or facades in metal. The systems are designed for professional and expert companies in the metal-working sector and that of construction of doors, windows, shutters and facades. These companies are well aware of the specific regulations and the directions and technical specifications of the system supplier, and also the fundamental rules of the art of manufacturing and installing these products. All the technical documentation provided furnishes a source of reference for the qualified technicians of the companies, giving indications as to how the products should be constructed. These qualified experts must critically analyse the indications to verify their adequacy for each single order in terms of load, stress and conditions of installation, particularly as this documentation cannot provide for all the different variations that may be found in projects.

**Tolerance**

OS2 75 is made of a series of very thin profiles. It provides coupling of external frames with opening leaves with a distance of 8 mm. To ensure the correct use of hardware and gaskets the processing must be performed with great care and precision. It is advised to keep the tolerance between  $+0/-1$  mm for opening elements and between  $+0/+0.5$  mm for their overlapping area.

**Cut / Processing**

OS2 75 profiles in steel, stainless steel and corten can be cut with normal saws, like the ones used for steel pipes. OS2 75 profiles in brass can be cut with saws used for aluminium. Given their dimension and size, it is recommended to use the cutting jaws provided with the system (AT2900) to ensure perfect stability during the cutting procedure. In order to verify the correctness of the cut, the tolerance of both the 45° and the 90° sections must be between  $-1°/+1°$ . Processing must be performed in line with this technical note and any variation agreed with Secco Sistemi's Technical Department.

**Welding**

OS2 75 profiles can be welded with the traditional systems (MIG/MAG, TIG), with an appropriate lubricating/cooling system and according to the instructions as per this technical note. Avoid welding near the thermal break joint. Heating any polyurethane items releases gaseous substances containing aldehydes and CO. For this reason it is recommended to weld with the special DPLs provided and in areas with sufficient ventilation and with fumes disposing systems. The corten profiles must be welded with special corten wire, while for profiles in brass a CuSi3 wire can be used. It is recommended to weld in depth, to avoid leaving any holes or porosity on the surfaces and to smooth and clean the welded surface thoroughly. This is to guarantee a proper structural resistance at the corner and to allow for a later painting without any visible imperfections (pores and ripples).

The proper set up must guarantee that the performance in the CE marking and verified in the lab will remain constant. It is advised

**Painting/Burnishing**

OS2 75 profiles have been designed to be painted with the powder coating technique in industrial ovens at temperatures of 180°C for 25 minutes. The thermal break area is not designed to absorb polyester powders and therefore it's advised to cover the visible areas with appropriate industrial-oven-resistant adhesive films (SA1024/33/42/52). Holes must be drilled (as per instructions) in the frames before painting or burnishing in order to allow drainage of any liquid used as a pre-treatment of the surfaces. Once out of the oven, the frames must be accurately removed and laid in a horizontal position until complete cooling.

It is advised to follow pre-treatment and painting cycles as outlined in Secco Sistemi documentation.

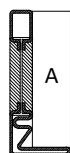
**Glass application**

Glass needs to be secured internally and externally. Internally, glass beads must be used together with clips or bushings and then secured by pressure with the appropriate gasket. Externally, glass must be secured by applying silicone or adhesive gasket GE2606 (the latter is recommended when leaves dimensions are bigger than 1 square metre in order to guarantee a higher rigidity of the glass). In order to ensure the correct behaviour of the system, it is recommended to verify the proper pressurization of the internal glass bead gaskets and that the external silicone perimeter is completely free of imperfections.

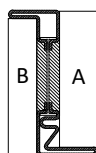
**Set up**

The proper set up must guarantee that the performance in the CE marking and verified in the lab will remain constant. It is advised to design a correct series of set ups with reference to the existing type of subframe/brickwork and to the dimensions of the elements to set up. Once the set up is finished, you should verify the proper behaviour of the window/door (easiness of opening/closing, stability of the open leaf, etc.), the correctness of joints and overlapping areas between opening leaves and fixed frames, the proper positioning of gaskets and seals, the drainage of frames with weep system and the absence of any aesthetic defects on the frame and glass surfaces.

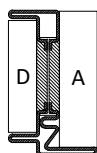




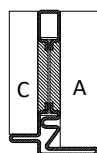
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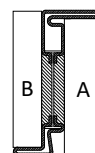
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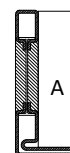
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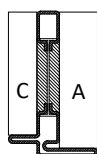
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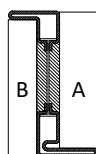
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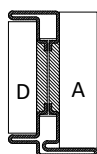
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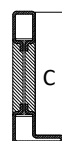
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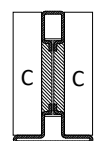
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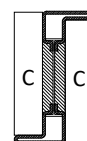
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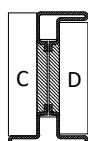
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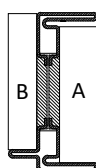
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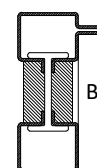
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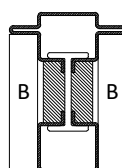
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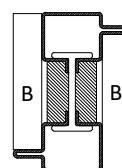
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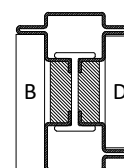
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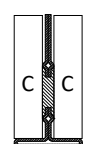
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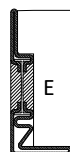
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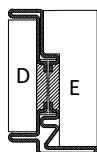
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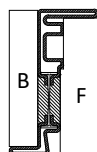
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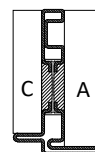
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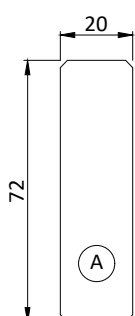
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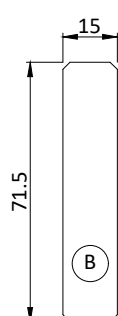
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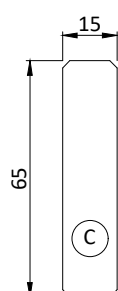
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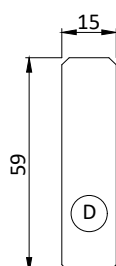
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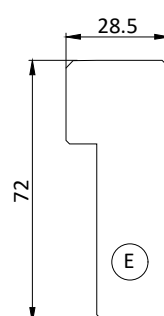
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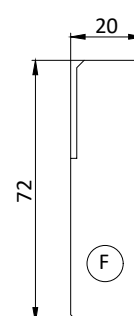
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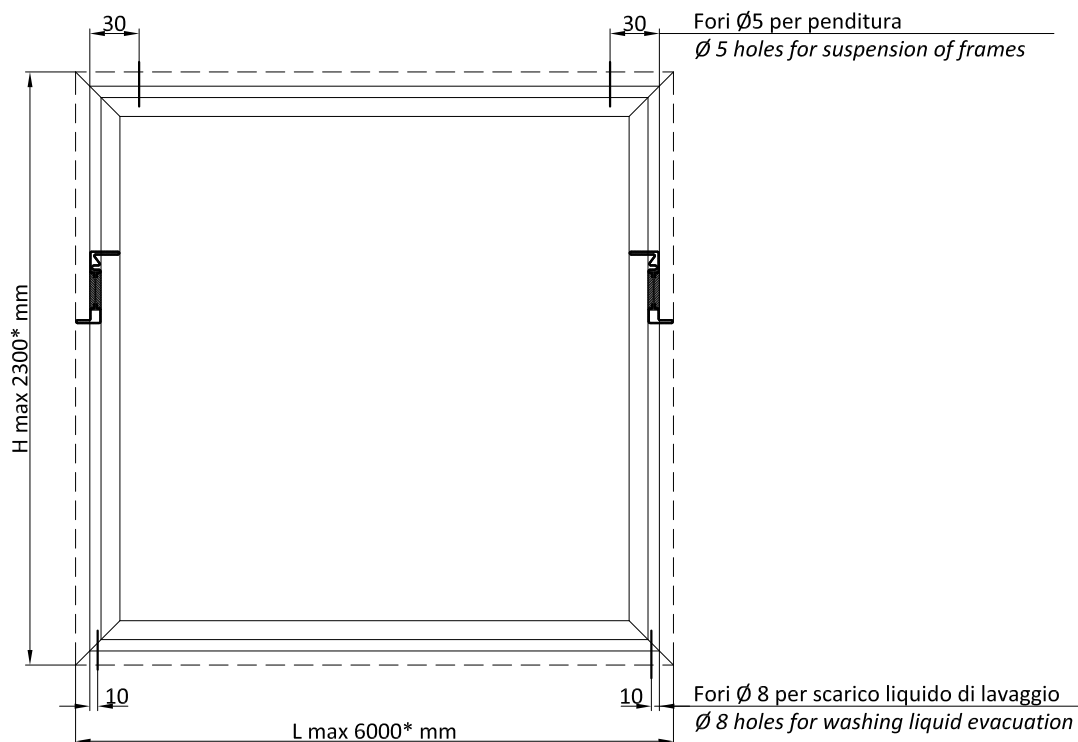
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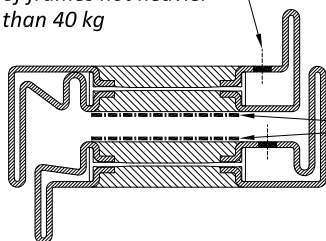


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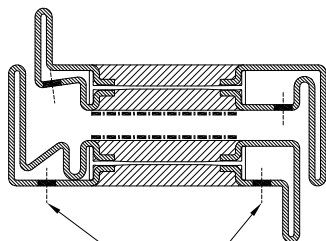


Fori Ø5 per pendinatura  
telai con peso inferiore  
a 40 kg.

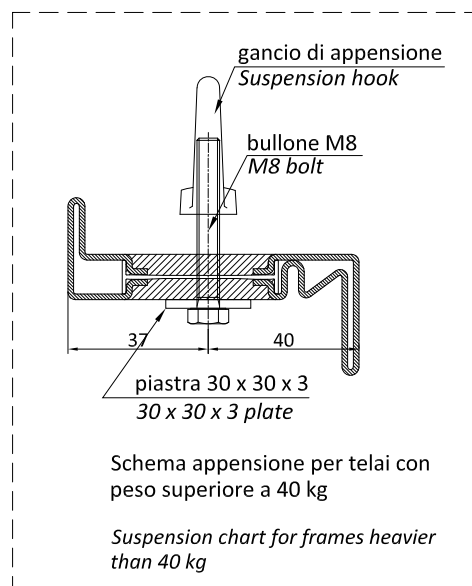
Ø 5 holes for suspension  
of frames not heavier  
than 40 kg



**SOLO PER VERNICIATURA**  
Nastro adesivo protettivo SA1033  
resistente alle alte  
temperature (220-230°)  
**ONLY FOR PAINTING**  
SA1033 protective tape resistant  
to high temperatures (220-230°)



Fori Ø 8 per lo scarico del  
liquido di lavaggio  
Ø 8 holes for washing  
liquid evacuation



Schema appensione per telai con  
peso superiore a 40 kg

Suspension chart for frames heavier  
than 40 kg

#### **SOLO PER BRUNITURA**

Preparare il profilo da trattare pulendolo con una paglietta tipo Scotch Brite in modo da ottenere superfici lucide e uniformi.

Movimentare il prodotto carteggiato con cautela per non danneggiare la finitura superficiale e non toccare a mani nude il profilo per ottenere un trattamento di brunitura uniforme.

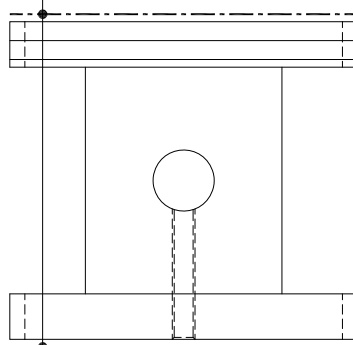
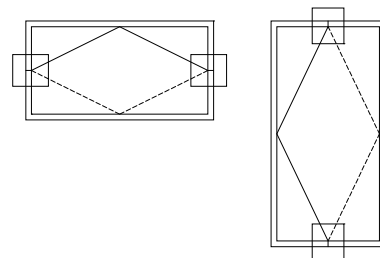
#### **ONLY FOR BURNISHING**

Prepare the profile grinding it with a Scotch Brite wool in order to obtain uniform surfaces.

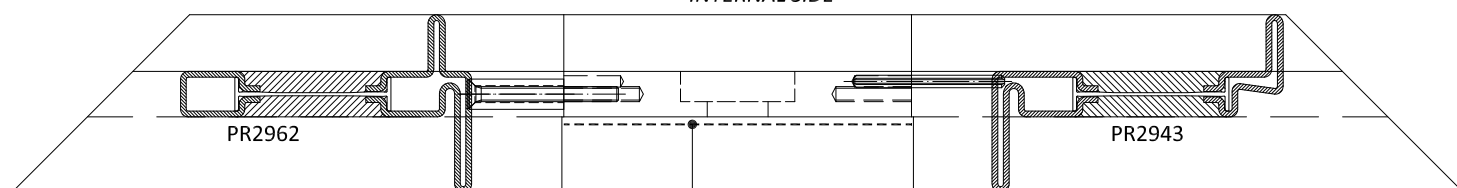
Ease profiles carefully to avoid any damages on the surface as well as do not touch it with hands to allow an uniform burnishing.

\* Dimensioni massime disponibili nell'impianto di Secco Sistemi  
Maximum available size in the Secco Sistemi plant

Superficie da verniciare/Surface to be painted

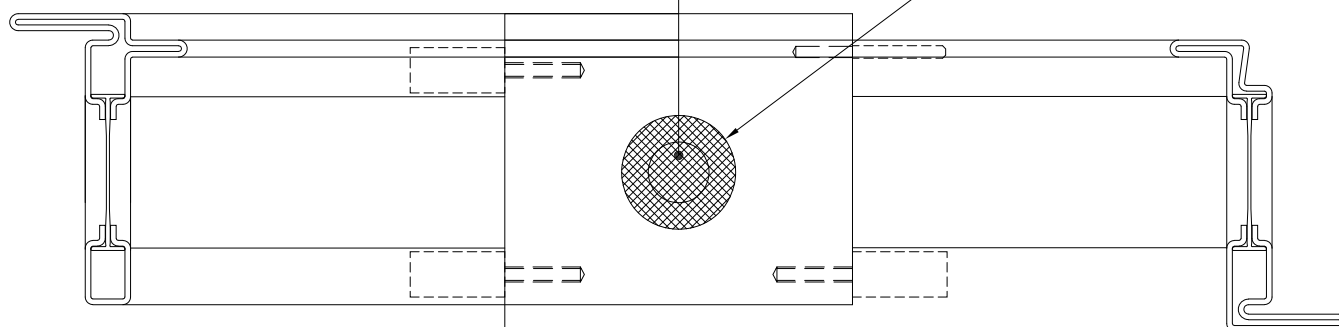


LATO INTERNO  
INTERNAL SIDE

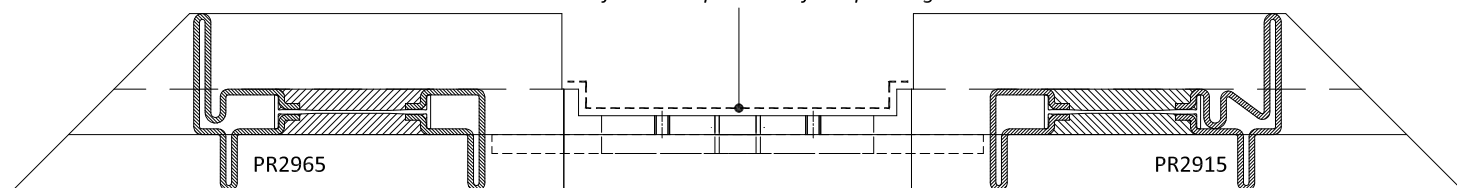


Superficie da proteggere dalla verniciatura  
Surface to be protected from painting

cuscinetto da installare  
dopo la verniciatura  
bearing to be installed  
after painting

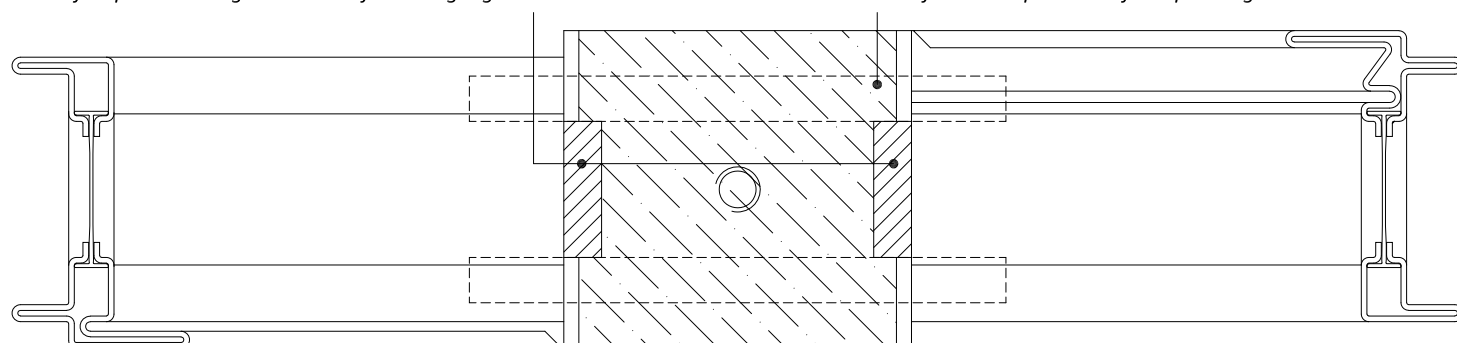


Superficie da proteggere dalla verniciatura  
Surface to be protected from painting



Montata l'intera frizione riempire le zone evidenziate con silicone  
After pivot bearing installation fill the highlighted areas with silicone

Superficie da proteggere dalla verniciatura  
Surface to be protected from painting



**Troncatrice**caratteristiche minime della macchina

- Potenza: 1.8 – 2.5 kW;
- Possibilità di taglio a 45° nei due sensi e a 90°;
- Velocità di taglio ideali: 15-30 giri/min per acciaio inox;  
60-90 giri/min per acciaio zincato e corten,  
90 giri/min o superiori per bronzo (OT/67);
- Capacità di taglio: 150 x 80 mm a 90°;  
100 mm taglio a 45°.

caratteristiche della lama

- Lama da 350 mm con spessore 2.5 mm;
- N° denti: - 300 per tagli a 45°;  
- 350 per tagli a 90°;
- Materiale: HSS (verificare materiali di commercio con finiture che migliorano la durata delle lame).

NB: è possibile tagliare la lega OT/67 con le stesse macchine dell'alluminio.

**Pantografo**caratteristiche minime della macchina

- Mandrino con velocità regolabile 2000-11000 giri/min (per un corretta lavorazione su acciaio inox è necessario operare a n° ridotto di giri < 4000);
- Struttura in ghisa adatta al taglio acciaio;
- Testata pesante per limitare le vibrazioni;
- Chiusura del profilo da lavorare con morse.

caratteristiche minime delle frese

- Materiale: HSS (verificare materiali di commercio con finiture che migliorano la durata delle frese);
- Frese a 4 denti;
- Frese con diametro 5 mm per le lavorazioni di scasso.

**Forature**montaggio componenti di chiusura e movimentazione sui profilati in acciaio inox

- Forare con punte da trapano HSS del diametro indicato sulla corrispondente tavola tecnica;
- Maschiare il foro con vite autofilettante zinco-cromata avente diametro corrispondente alla vite inox fornita nel kit con l'articolo da montare;
- Posizionamento e fissaggio definitivo dell'articolo con le viti inox in dotazione.

fresatura di cave e asole sui profili inox

- Adoperare macchine (pantografi o fresatrici) adeguate alle lavorazioni dell'acciaio;
- Regolazione del numero di giri max (3000 giri/1');
- Impiego di frese di diametro massimo di 8 mm a 4 pale in acciaio HSS;
- Abbondare con la lubrificazione, concentrata sull'utensile;
- Ridurre l'avanzamento fino ad accertare un taglio il più regolare possibile;
- È normale un'usura accelerata dell'utensile.

**Cutter**Minimum requirements for the use of the machine

- Power: 1.8 – 2.5 kW;
- Possibility of cutting at 45° in both directions and at 90°;
- Ideal cutting speed: 15-30 rmp for stainless steel;  
60-90 rmp for galvanised and corten steel;  
90 rmp or higher for bronze (OT/67);
- Cutting capability: 150 x 80 mm at 90°;  
100 mm cut at 45°.

Blade specifications

- 350 mm blade with a 2.5 mm thickness;
- Number of teeth: 300 for 45° cut;  
350 for 90° cut;
- Material: HSS (please verify availability of longer lasting material on the market).

Note: OT/67 alloy can be cut with machines made for aluminum.

**Phantograph**Minimum requirements for the use of the machine

- Mandrel with a 2000-11000 rmp adjustable speed (for a proper stainless steel processing a slower speed is required i.e.<4000 rpm);
- Machine should be made of cast iron suitable for steel cutting;
- Heavy head in order to limit vibrations;
- Secure the profile to be processed in jaws.

Minimum requirements for the use of a milling machine

- Material: HSS (please verify availability of longer lasting material on the market);
- Use a 4-tooth milling machine;
- Use a milling machine with a 5-mm diameter for groove processing.

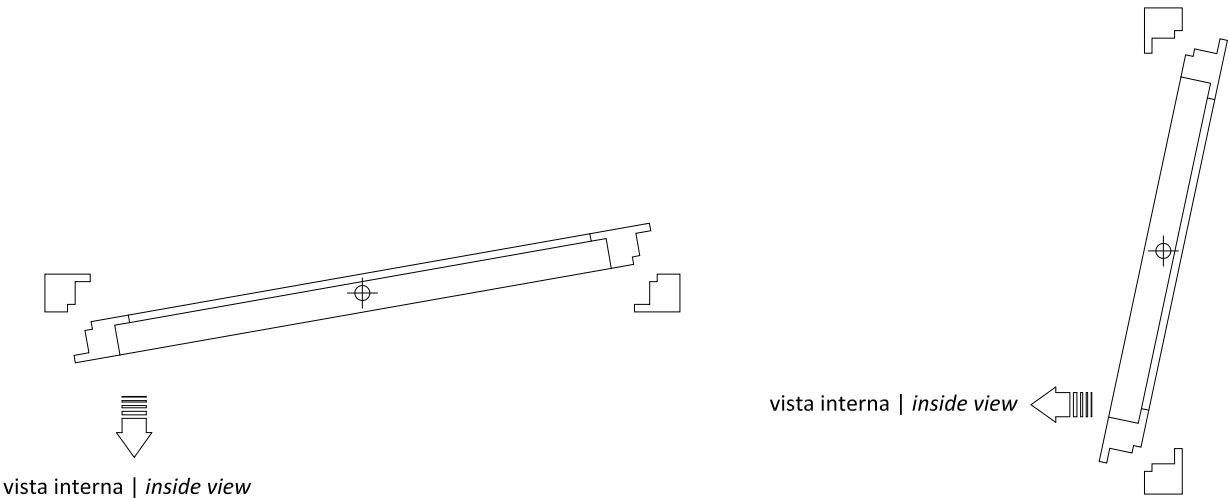
**Drilling**How to mount closing and moving components on a stainless steel profile

- Use a HSS drill. The diameter of the drill is indicated in the technical note;
- Thread the hole with self-threading zinc-plated screws with the same diameter as the stainless steel screw provided with the kit;
- Position and secure the item with the stainless steel screws provided.

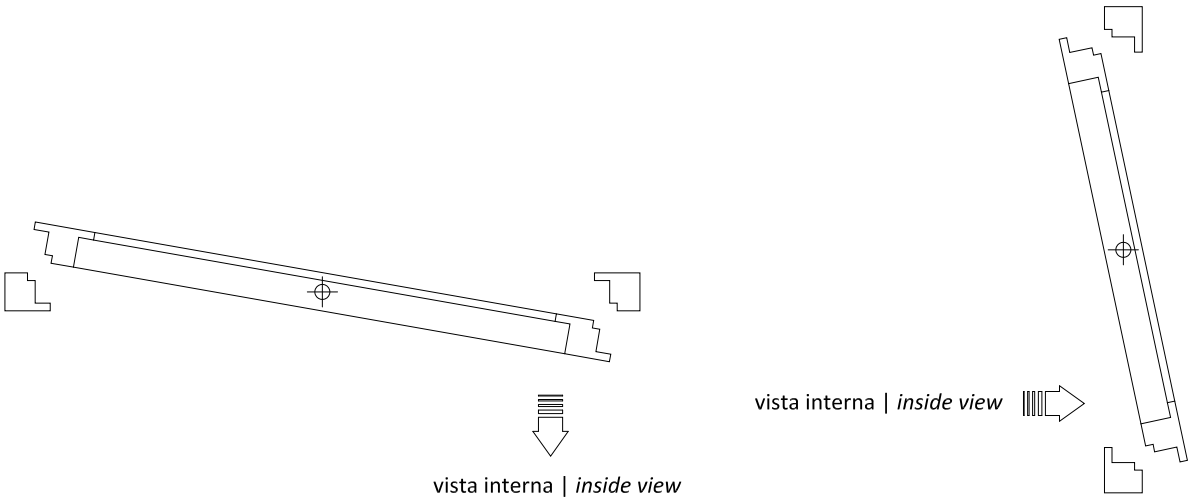
Milling slots and loops in the profiles

- Use machines designed for steel processing (pantographs or milling machines);
- Max rpm setting (3000 rpm);
- Use milling machines with a diameter no bigger than 8 mm and with 4 HSS steel blades;
- Exceed with lubrication, mainly on the machine;
- Processed slowly until the milling is as clean as possible;
- Expect a fast wearing of the machine.

APERTURA A BILICO | PIVOTING WINDOW OPENING



| Kit cremonese   <i>Cremone bolt</i>        |                                             |
|--------------------------------------------|---------------------------------------------|
| apertura interna   <i>inwards openings</i> | apertura esterna   <i>outwards openings</i> |
| AC 2625D                                   | AC 2683S                                    |



| Kit cremonese   <i>Cremone bolt</i>         |                                            |
|---------------------------------------------|--------------------------------------------|
| apertura esterna   <i>outwards openings</i> | apertura interna   <i>inwards openings</i> |
| AC 2683D                                    | AC 2625S                                   |

1. Controllo materiale in arrivo / *Incoming equipment Control*Verifica visiva dell'intergrità delle barre con attenzione a: / *Profiles wholeness visual control paying attention to:*

- Strisci profondi / *Deep scratches* verifica visiva / *visual control*
- Botte e avvallamenti sulla superficie / *Bumps and dips on surface* verifica visiva / *visual control*
- Rettilinearità barre / *Profiles straightness tolerance* 0,002 x L
- Svergolamento / *Profiles twist tolerance* 1° x m

2. Taglio barre e controllo barre / *Cut and Control of profiles*

- Misura lunghezza / *Length measurement* ±0.5 mm
- Verifica 45° / *45° Control* ± 1°
- Verifica 90° / *90° Control* ± 1°

3. Lavorazioni su barra / *Section processing*

| <b>Finestra bilico/ Pivoting window</b>                                                     | <b>Apertura interna / Inward opening</b> | <b>Apertura esterna / Outward opening</b> |                      |
|---------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------|----------------------|
| Fori e asole per cremonese<br><i>Espagnolette holes</i>                                     | AC2625<br>sez 4.3.7                      | AC2683<br>sez 4.3.8-9                     | AGP580<br>sez 4.3.12 |
| Fori e asole per chiusura supplementare<br><i>Additional locking points slots and holes</i> | AC2626R<br>sez 4.3.10                    | AC2626R<br>sez 4.3.11                     |                      |
| Lavorazione snodo bilico<br><i>Pivot bearing working</i>                                    | AC2533/37/38<br>sez 4.3.13-16            | AC2533/37/38<br>sez 4.3.13-16             |                      |
| Fori per scarico acqua<br><i>Water drip holes</i>                                           | AC2618<br>sez 4.3.4                      |                                           |                      |
| Lavorazione gocciolatoio<br><i>Water drip section workink</i>                               | PR2620<br>sez 4.3.5                      | PR2670<br>sez 4.3.6                       |                      |
| Fori fissaggio a muro<br><i>Wall mounting holes</i>                                         | sez 3.2.1-4                              | sez 3.2.1-4                               |                      |

4. Assiemaggio / *Assembly*

| Finestra bilico/ <i>Pivoting window</i>                                                                          | Apertura interna / <i>Inward opening</i> | Apertura esterna / <i>Outward opening</i> |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------|
| <u>Costruzione telai</u>                                                                                         |                                          |                                           |
| Inserimento squadrette (profili ottone) –<br>Saldatura / <i>Brackets insertion (brass section) -<br/>Welding</i> | AC28xx<br>sez 4.4.1-2                    | AC28xx<br>sez 4.4.1-2                     |
| Sigillatura interna della giunzione (ottone)<br><i>Internal joint sealing (brass sections)</i>                   | AC28xx<br>sez 4.4.1-2                    | AC28xx<br>sez 4.4.1-2                     |
| <u>Applicazione accessori</u>                                                                                    |                                          |                                           |
| Assiemaggio snodo bilico<br><i>Assembling pivot bearing</i>                                                      | AC2533/37/38<br>sez 4.4.6-25             | AC2533/37/38<br>sez 4.4.6-25              |
| Fori limitatori apertura<br><i>Restrictor stays holes</i>                                                        |                                          | AC2686<br>sez 4.5.8                       |

5. Preparazione per verniciatura - brunitura / *Preparation for the powder coating - burnishing*

- Fori su telaio per scarichi liquidi pretrattamento  
*Holes on frame for the drainage of pretreatment liquid* sez 5.1.4-5
- Marcatura e imballo telai esterni e ante -

|                                                                                                                                    |                                          |
|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <i>External frames and leafs branding and packing</i>                                                                              |                                          |
| c. Marcatura e imballo telai fermavetro<br><i>Glazingbeads frames branding and packing</i>                                         | -                                        |
| d. Marcatura e imballo profili complementari<br><i>Additional profiles branding and packing</i>                                    | -                                        |
| e. Imballo scarichi acqua e cerniere<br><i>Accessories (water drip, hinges) branding and packing</i>                               | -                                        |
| 6. Applicazione accessori e sigillatura / <i>Hardware and accessories installation and sealing</i>                                 |                                          |
| a. Finestra bilico / <i>Pivoting window</i>                                                                                        |                                          |
| I. Applicazione e sigillatura guarnizioni giunto aperto /<br><i>Sealing of central gasket</i>                                      | sez 4.5.1                                |
| II. Applicazione scarichi acqua / <i>water drip installation</i>                                                                   | sez 4.5.1                                |
| Montaggio snodo bilico / <i>Pivot bearing installation</i>                                                                         | sez 4.4.6-17                             |
| III. Montaggio cremonese e incontri / <i>Espagnolette installion</i>                                                               | sez 4.5.2-4                              |
| IV. Montaggio guarnizioni di battuta / <i>Gasket installation</i>                                                                  |                                          |
| V. Sigillatura angolo nel TT / <i>Corner joint sealing</i>                                                                         |                                          |
| 7. Vetrazione / <i>Glazing</i>                                                                                                     |                                          |
| a. Applicazione clips fermavetro / <i>glazing bead clips installation</i>                                                          | sez 2.9.1-10                             |
| b. Applicazione guarnizione esterna / <i>External glazing gasket installation</i>                                                  |                                          |
| c. Applicazione vetro (spessoramento) / <i>Glazing installation (setting blocks)</i>                                               | sez 4.6.1                                |
| d. Inserimento fermavetri / <i>Glazing beads application</i>                                                                       |                                          |
| e. Inserimento guarnizione interna fermavetro / <i>Fit glazing bead to glass gasket</i>                                            |                                          |
| f. Verifica corretta compressione guarnizione /<br><i>Control of the right compression of the gasket</i>                           |                                          |
| 8. Controlli su prodotto finito / <i>Control on finished element</i>                                                               |                                          |
| a. Verifica distanza tra anta e telaio /<br><i>Control of gap between leaf and frame</i>                                           | +0 +0.5 mm                               |
| b. Verifica sormonto anta su telaio / <i>Control of leaf surmount</i>                                                              | +0 +1 mm                                 |
| c. Verifica sigillature per scarico acqua / <i>Control of central gasket sealing</i>                                               | test con acqua su giunto/test with water |
| d. Verifica funzionamento cremonese/maniglia serratura<br><i>Control of hardware functioning</i>                                   |                                          |
| e. Verifica finitura superficiale / <i>Control of surface finishing</i>                                                            |                                          |
| 9. Controlli dopo la posa / <i>Controls after installation</i>                                                                     |                                          |
| a. Verifica corretta installazione telai: squadra, piombo, misure /<br><i>Control of alignment and plumbling of frame and leaf</i> |                                          |
| b. Verifica distanza tra anta e telaio /<br><i>Control of gap between leaf and frame</i>                                           | +0 +0.5 mm                               |
| c. Verifica sormonto anta su telaio / <i>Control of leaf surmount</i>                                                              | +0 +1 mm                                 |
| d. Verifica sigillature per scarico acqua / <i>Control of central gasket sealing</i>                                               | test con acqua su giunto/test with water |
| e. Verifica funzionamento cremonese/maniglia serratura<br><i>Control of hardware functioning</i>                                   |                                          |
| f. Verifica finitura superficiale / <i>Control of surface finishing</i>                                                            |                                          |



**MATERIALI****ACCIAIO INOX****Materiale**

Profilati ricavati da nastro di lamiera di acciaio inox laminato a freddo pre-trattato industrialmente per garantire la massima qualità e uniformità.

**Caratteristiche fisiche**

AISI 316L Marino (X2 CrNiMo 17-12-2)

**Norme di riferimento**

EN 10088-2; EU 114

**Trattamenti superficiali**

Finitura Scotch Brite: ottenuta su nastro AISI 316L (marino) con finitura superficiale 2B con successiva spazzolatura Scotch Brite.

**ACCIAIO COR-TEN****Materiale**

Profilati ottenuti da nastro in acciaio altoresistenziale, autopassivante (che un tempo veniva commercializzato con il nome Cor-Ten) tale da formare, se esposto all'aria, uno strato di ossido uniforme e stabile che, ricoprendo la lamiera, ne arresta la corrosione atmosferica.

**Caratteristiche fisiche**

Fe 510 X (C max % 0,12; Si % 0,25-0,75; Mn % 0,20-0,50; P % 0,07-0,15; Cu % 0,25-0,55; Cr % 0,30-1,25; Ni max % 0,65)

**Norme di riferimento**

EN 10149

**Trattamenti superficiali**

Dopo la profilatura il materiale viene immerso in speciali bagni ossidanti tali da accelerare la formazione dello strato protettivo. Raggiunta la tonalità desiderata della superficie si procede ad una ceratura di stabilizzazione del materiale.

**ACCIAIO ZINCATO VERNICIATO****Materiale**

Profilati ottenuti da nastro in lamiera di acciaio zincato a caldo sistema Sendzimir finitura skinpassata

**Caratteristiche fisiche**

FeP02 GZ 200

**Norme di riferimento**

UNI EN 10142/3/7; EURONORM 143

**Trattamenti superficiali per la verniciatura**

La preparazione del supporto zincato si effettua tramite i processi di sgrassaggio, decapaggio e lavaggio in acqua. Segue l'applicazione di uno strato di zinco per fosfatazione seguito da lavaggi in acqua demineralizzata. Infine applicazione della mano a finire con polveri poliestere cotte in forno a 180 °C per 25 minuti.

**LEGA DI RAME OT67****Materiale**

Profilati ottenuti da nastro di Lega di Rame OT67 laminato a freddo rincrudito allo stato grezzo.

**Caratteristiche fisiche**

Cu Zn 33 CW 506L (OT 67, 67% rame e 33% zinco)

**Norme di riferimento**

EN 1652:1999

**Trattamenti superficiali**

Finitura brunita: dopo la profilatura viene eseguita una ricottura di distensione, quindi la pulitura meccanica con abrasivo e la successiva brunitura per immersione con liquido brunitore; il profilo viene poi lavato e asciugato ed infine protetto mediante trattamento con olio di vaselina.

Finitura lucida: dopo la profilatura viene eseguita una ricottura di distensione e successivamente la lucidatura a specchio.

**MATERIALS****STAINLESS STEEL****Materials**

Sections processed out of the cold-rolled coils, industrially pre-treated for utmost quality and uniformity.

**Physical features**

AISI 316L Marino (X2 CrNiMo 17-12-2)

**Norms of reference**

EN 10088-2; EU 114

**Surface treatment**

Scotch Brite: obtained on AISI 316L (marine) coil 2B pre-finish with Scotch-Brite post-scrubbing.

**CORTEN STEEL****Materials**

Sections processed out of highly resistant self-oxidising steel coils – once traded under the name Cor-Ten. If exposed to the open air, it produces a uniform protective layer that reduces weather corrosion.

**Physical features**

Fe 510 X (C max % 0,12; Si % 0,25-0,75; Mn % 0,20-0,50; P % 0,07-0,15; Cu % 0,25-0,55; Cr % 0,30-1,25; Ni max % 0,65)

**Norms of reference**

EN 10149

**Surface treatment**

After forming, sections are plunged into a special oxydising bath to catalyze formation of the protective coating. Once the desired tone obtained, sections are stabilized by a wax coating.

**GALVANIZED AND PAINTED STEEL****Materials**

Sections processed out of hot galvanized steel coils, band "Sendzimir, skinpassed finishing.

**Physical features**

FeP02 GZ 200

**Norms of reference**

UNI EN 10142/3/7; EURONORM 143

**Pre-painted surface treatment**

The preparation of a galvanised surface is made through several processes: degreasing, pickling and washing. A coating of zinc is then applied through a phosphatising process followed by rinses in demineralised water. A final coat is then applied with polyester powders baked at 180 °C for 25 minutes.

**COPPER ALLOY OT67****Materials**

Sections processed out of copper alloy coils, industrially cold-rolled.

**Physical features**

Cu Zn 33 CW 506L (OT 67, 67% copper and 33% zinc)

**Norms of reference**

EN 1652:1999

**Surface treatment**

Burnished finish: after forming, the product is submitted to stress relieving, then to mechanical cleaning with abrasive products and ultimately to burnishing by plunging into a burnishing solution. It is then washed and dried and protected with a vaseline coating.

Glossy finish: after forming, the product is submitted to stress relieving and then mirror-like polished.



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