

SUPPORTING HINGES FOR DOORS

**LOIRA+**



Made in Italy

**fapim**<sup>®</sup>

Life in evolution

IT GB F E PT



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**LOIRA+**

 Made in Italy

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Life in evolution

bella, grazie a linee morbide e filanti in grado di soddisfare le esigenze del design moderno

nicer, its smooth and straight lined shape suits modern design requirements

belle, grâce à ses lignes douces et fluides en mesure de satisfaire toutes les exigences du design moderne

bella, por sus líneas suaves y elegantes , que satisfacen las exigencias del moderno diseño .

elegante, graças às suas linhas suaves i elegantes, que satisfacen os requisitos da concepção moderna.

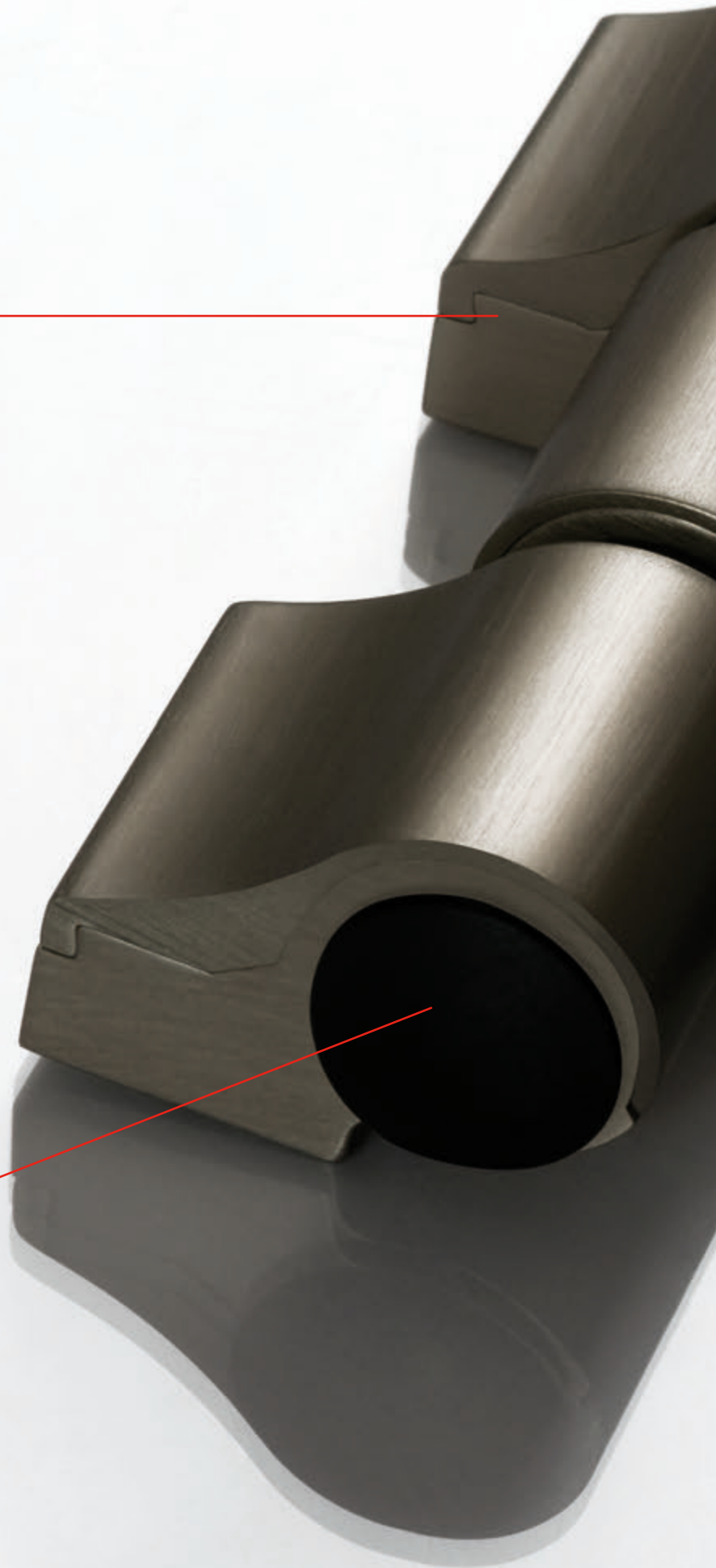
facile nel montaggio e rapida nella regolazione micrometrica in tre direzioni, eseguibile a porta chiusa

easier easy assembly and quick micrometric adjustment in the three directions, to be carried out when the door is in the closed position

facile dans son montage et rapide dans son réglage micrométrique en trois dimensions qui se fait à porte fermée

fácil en el montaje y en la regulación micrométrica en tres direcciones, que se efectúan con puerta cerrada.

fácil montagem e afinação do micrométrica em três direções, que se realiza com a porta fechada.





**LOIRA+**

completa, grazie agli innumerevoli kit di fissaggio, adatti ad ogni necessità

complete, thanks to the many fastening kits available that make it suitable to all needs

complete, grâce à ses très nombreux kits de fixation adaptés à chaque nécessité

completa, gracia a los innumerables kits de fijación aptos para todas las necesidades.

completa por los kits de fixação adequados para todas as necessidades.

sicura ed estremamente robusta, certificata CE EN 1935:02 ed antieffrazione SKG ENV 1627

safe and extremely strong, it is CE , EN 1935:02 and SKG anti-theft ENV 1627 certified

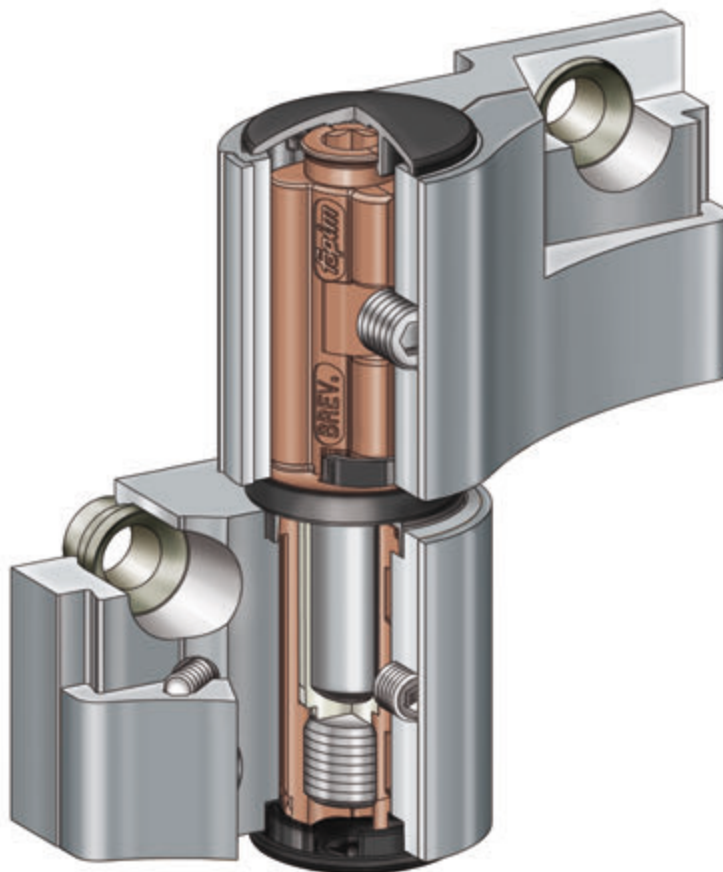
sure grâce à ses certifications CE EN 1935:02 pour la portée et SKG ENV 1627 pour l'anti-effraction

segura y extremamente robusta , certificada CE EN 1935:02 y anti robo ENV 1627 SKG

segurança certificada CE EN 1935:02 e anti-roubo ENV 1627 SKG

**fapim**<sup>®</sup>

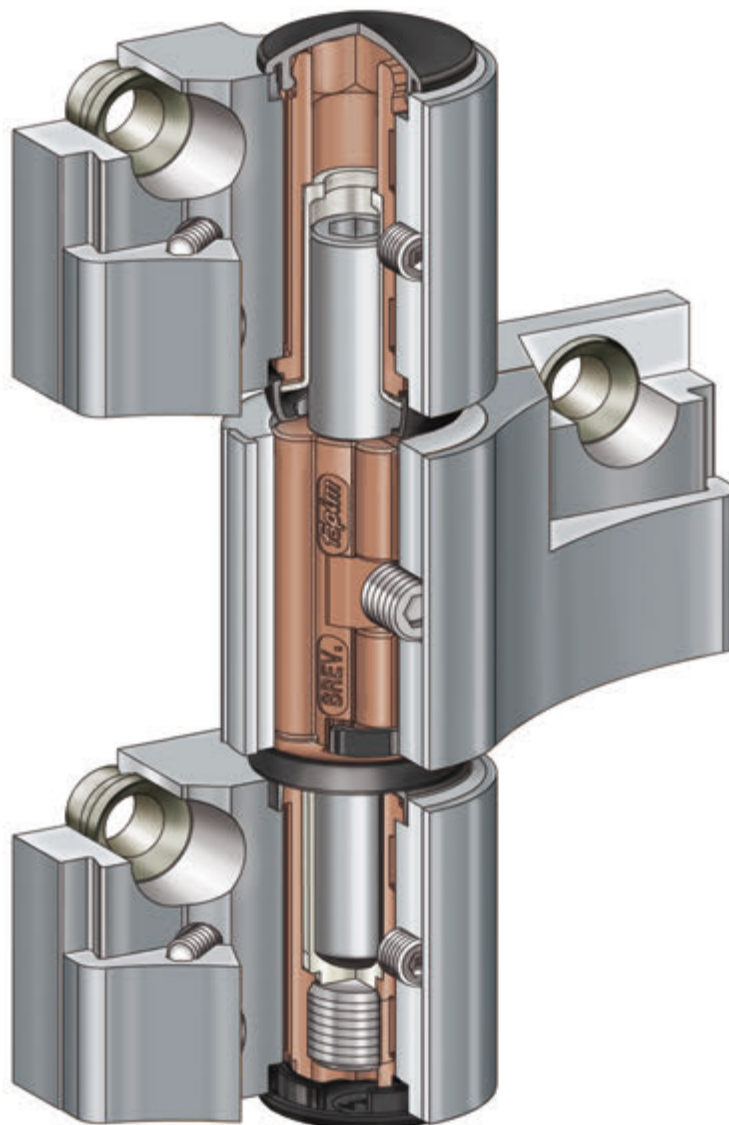
Life in evolution



Loira+ è la nuova gamma di cerniere per porta, a due e tre ali, totalmente rinnovata nel design, dal know-how avanzato e coperta da brevetti, che abbina tutti i vantaggi delle precedenti versioni ed una maggiore facilità di utilizzo, soprattutto nel montaggio e nella regolazione. Loira+ è dotata di tre regolazioni: orizzontale, verticale ed in pressione della guarnizione, ciascuna indipendente dalle altre ed eseguibili sempre a porta chiusa e tramite un'unico operatore. La nuova linea di cerniere è totalmente compatibile con tutti gli accessori già realizzati per le precedenti versioni Loira e Loira Top. Ad ampliamento della gamma è stato aggiunto un nuovo kit di fissaggio con speciali viti autofilettanti, utilizzabile su profili a taglio termico. Loira+ è realizzata con profili in alluminio estruso, disponibile in ogni tipo di finitura e certificata CE EN 1935:02 ed antieffrazione ENV 1627 SKG.

Loira+ is the new two and three-leaf door hinge range totally renewed in design, with advanced know-how and patented, combining the advantages of the old versions with an increased ease of use, especially with regard to assembly and adjusting. Loira+ has three adjustment possibilities: horizontal, vertical and in pressure of the gasket; each adjustment is independent from the others and can be carried out when the door is in the closed position and by an operator only. The new hinge range is totally compatible with all the accessories already available for the previous Loira and Loira Top versions. The new fastening kit with special self-threaded screws has been added to increase the range; it can be used on thermal break profiles. Loira+, manufactured from extruded aluminium profiles, is available in a number of finishings and it is CE, EN 1935:02 and SKG anti-theft ENV 1627 certified.

Loira+ est la nouvelle gamme de paumelles de porte, à deux et trois lames, totalement renouvelée dans le design, ayant un know-how particulier et breveté ; elle met ensemble les avantages des anciennes versions à une plus facile utilisation surtout au niveau du montage et de réglage. Loira+ est équipée de trois réglages : en horizontal, en vertical et en pression du joint, chacun indépendant par rapport aux autres et à effectuer toujours à porte fermée et par un seul opérateur. La nouvelle gamme de paumelles est totalement compatible avec tous les accessoires déjà réalisés dans les précédentes gammes Loira et Loira Top. Pour développer la gamme un nouveau kit de fixation a réalisé, il porte des vis-taraud spéciales et utilisables sur le profil à coupe thermique. Loira + est réalisée par des profils en aluminium extrudé, disponible en chaque type de finition et certifiée CE EN 1935:02 et antieffraction SKG ENV 1627.



Loira+, la nueva serie de bisagras para puertas de dos o tres palas, renovada en su totalidad en el diseño, patentada, y con know how revolucionario, aquí se juntan todas las ventajas de las versiones anteriores con una todavía mayor facilidad de uso, sobretodo en lo que se refiere al montaje y regulación. Loira+ dispone de tres tipos de regulaciones: horizontal vertical y en la presión de la goma, cada una independiente de las otras y realizable siempre con puerta cerrada y por un openador único. La nueva línea de bisagra está totalmente compatible con los complementos ya realizados para las versiones anteriores Loira y Loira Top. Para ampliar aun más la gama, se ha añadido un nuevo kit de fijación con tornillos especiales auto taladrantes y que se puede usar aun también sobre perfiles de corte térmico. Loira+ está fabricada de perfiles de aluminio de extrusión, disponible en cada tipo de acabado, certificada CE EN 1935:02 y anti robo SKG ENV 1627.

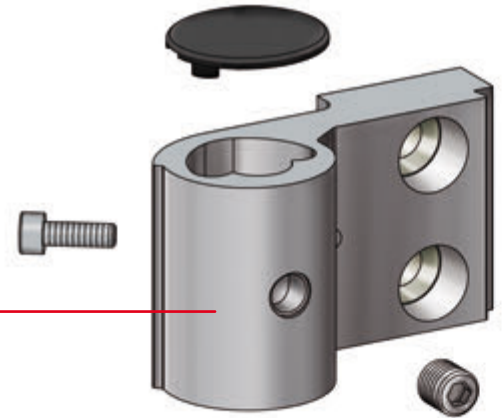
Loira+, é a nova serie de dobradiças para portas de duas ou tres abas, renovada na sua totalidade e no desenho. Patentada e com know konw revolucionario. Aquí encontramse todas as vantagens das versões anteriores ainda com maior facilidade de utilização, especialmente no que diz respeito à montagem ea afinação. Loira + tem três tipos de afinação: horizontal, vertical e pressão sobre a borracha, cada uma independente das outras. Sempre com a porta fechada e um único operador. A nova linha de dobradiça é totalmente compatível com complementos feitos para versões anteriores Loira e Loira Top. Para expandir ainda mais a gama, veio acrescentar um novo kit de fixação com parafusos especiais taladrantes e mesmo que possa ser utilizado também nos perfis de corte térmico. Loira + é fabricada a partir de perfis em extrusão de alumínio, disponível em cada tipo de acabamento. CE certificadas EN 1935:02 e anti-roubo SKG ENV 1627.



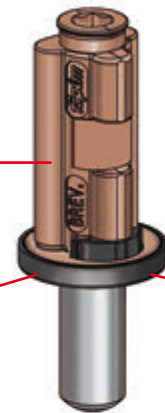
Testata 160 Kg – 1.000.000 cicli  
 Tested up to 160 Kg – 1.000.000 cycles  
 Testée jusqu'à 160 Kg – 1.000.000 cycles  
 Ensayo 160 Kg – 1.000.000 ciclos  
 Testada até 160 kg - 1.000.000 ciclos



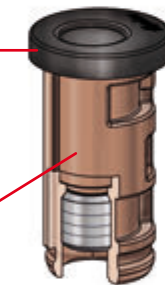
Corpo in alluminio estruso.  
 Body in extruded aluminium.  
 Corps en aluminium extrudé.  
 Cuerpo de aluminio de extrusión.  
 Corpo en extrusão de alumínio.



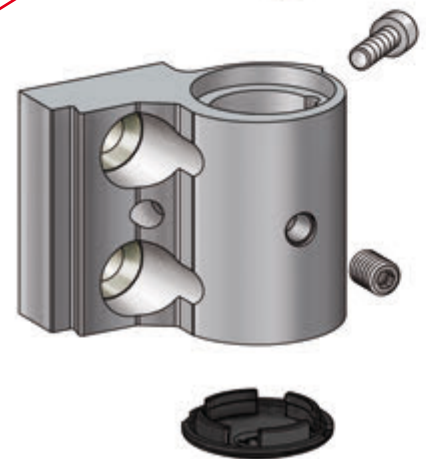
Boccola superiore in zama, premonatata su perno in acciaio inox rettificato.  
 Bush in zamak, pre-assembled on rectified stainless steel pin.  
 Douille en zamak, pré-montée sur l'axe en acier inox rectifiée.  
 Casquillo de zamak, pre-montado con su eje de acero inox rectificado.  
 Casquilho em zamak, pré-montado com fiel de aço inoxidável ou moagem.



Sistema antieffrazione.  
 Anti-theft system.  
 Système antieffraction.  
 Sistema anti robo.  
 Sistema anti-roubo.



Boccola inferiore in zama, con inserto in Delrin antifrizione.  
 Bush in zamak, with Delrin anti-friction device.  
 Douille en zamak avec insert en Delrin antieffraction.  
 Casquillo de zamak con inserción de Derlin anti robo.  
 Casquilho em zamak con inserimentos de Derlin anti-frição.





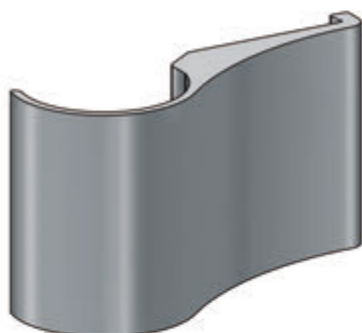
Regolazione micrometrica a porta chiusa nelle tre direzioni.

Micrometric adjustment in the three directions, when the door is in the closed position.

Réglage micrométrique à porte fermée dans les trois directions.

Regulación micrométrica can puerta cerrada en tres direcciones.

Afinação micrométrica com porta fechada e em três direções.



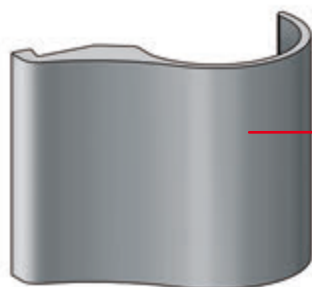
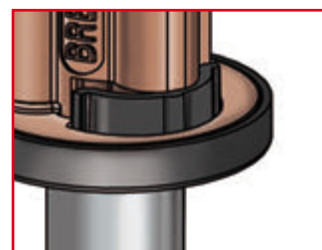
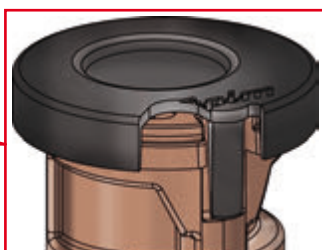
Dispositivo di preposizionamento in nylon.

Pre-positioning device in nylon.

Dispositif en nylon de pré-positionnement.

Dispositivo de nylon de pre colocación.

Dispositivo de nylon para pre-colocação.



Piastrine copriviti a scatto, in alluminio estruso.

Snap-in screw cover plates in extruded aluminium.

Plaques cache vis à déclenchement en aluminium extrudé.

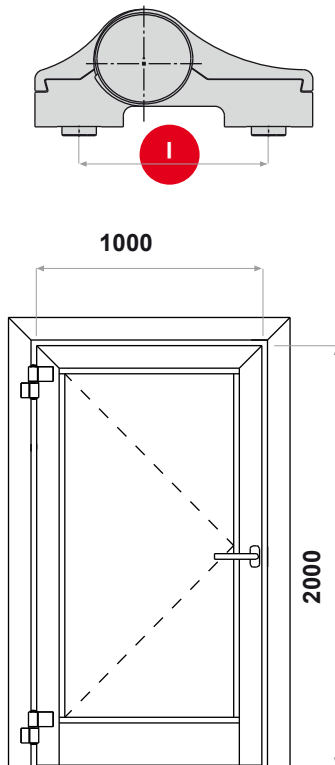
Plaquetas cubre tornillos de aluminio de extrusión.

Plaquetas cubre parafusos en extrusão de alumínio.

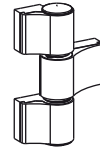
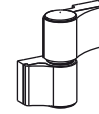




**CE**  
0425  
EN 1935:02



## LOIRA +



$\leq l \leq 99$

$41 \leq l \leq 99$

**CE**  
0425  
EN 1935:02

4 7 7 0 1 4 1 14

**160 Kg**

**CE**  
0425  
EN 1935:02

4 7 7 0 1 4 0 14

**160 Kg**

$=106$

$l=106$

**CE**  
0425  
EN 1935:02

6 0 1 4 1 13

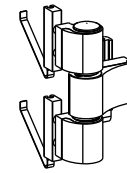
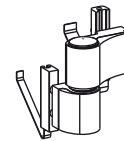
**120 Kg**

**CE**  
0425  
EN 1935:02

4 7 6 0 1 4 0 13

**120 Kg**

## LOIRA + T.R.



53 - 60

53

**CE**  
0425  
EN 1935:02

4 7 5 0 1 4 1 12

**100 Kg**

**CE**  
0425  
EN 1935:02

4 7 6 0 1 4 1 13

**120 Kg**

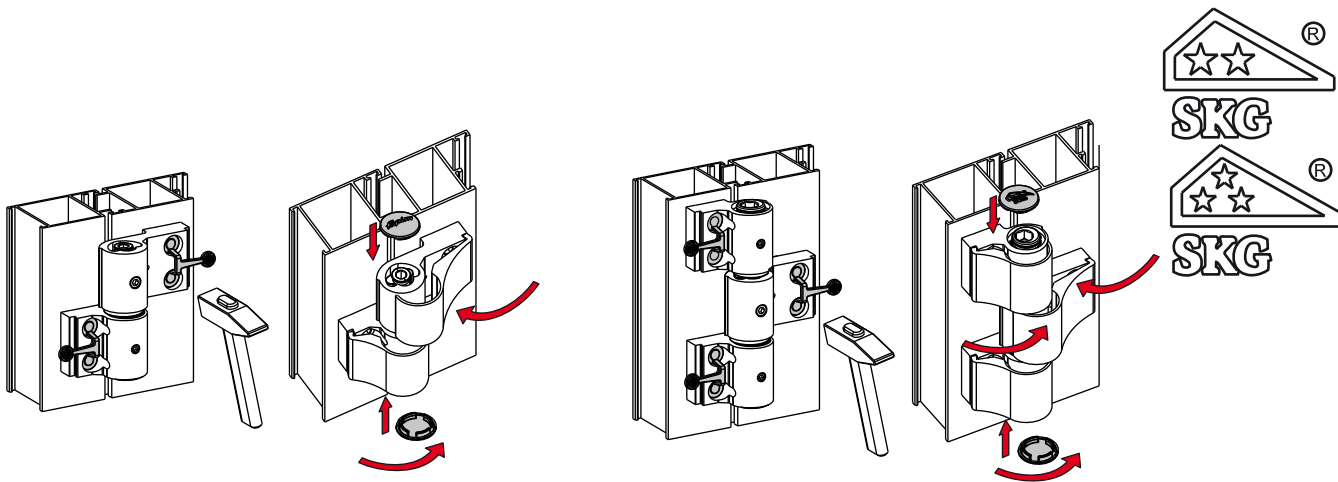
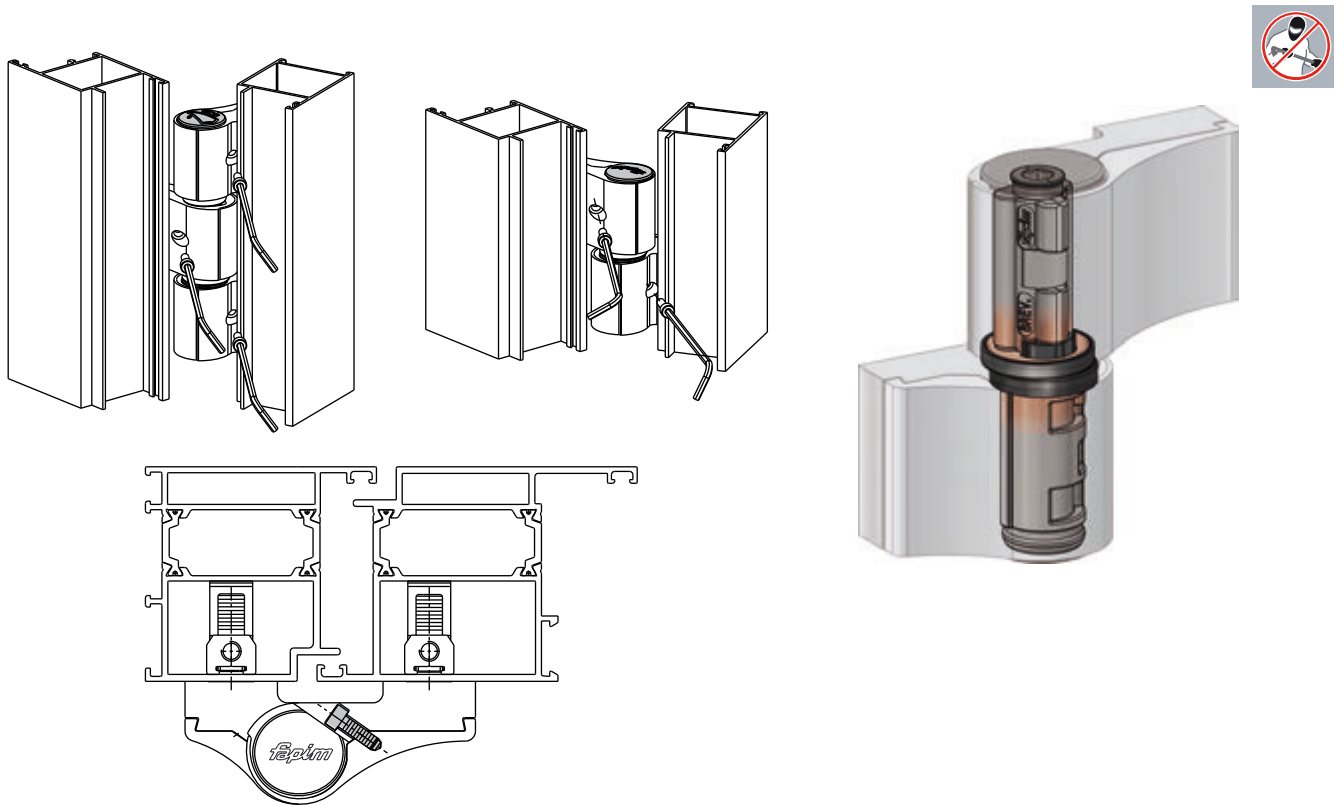
Per porte di dimensioni minori o maggiori da quelle previste dalla norma, oppure per l'impiego in abbinamento a meccanismi chiudiporta, è necessario richiedere indicazioni circa l'aumento o la diminuzione della portata massima consentita.

If the door size is either bigger or smaller than the requirement set forth by the standard, or if the door is intended for use in combination with doorstop mechanisms, please contact us for any possible increase or decrease of the maximum allowed capacity.

Pour des portes de dimensions plus grandes ou plus petites par rapport à celles prévues par la norme, ou bien en cas d'utilisation de mécanismes ferme-porte, merci de nous contacter pour avoir des indications sur l'éventuelle augmentation ou diminution de la portée maximum admise.

Para puertas de dimensiones menores o mayores de las que prevé la norma, o también para el uso conjuntamente con un muelle cierrapuertas, es necesario solicitar indicaciones sobre el aumento o disminución de la capacidad de peso posible de la puerta.

Em relação às portas de menores ou maiores dimensões daquelas previstas na norma, ou para a utilização em combinação com mecanismos de fecho das portas, é necessário requisitar informações quanto o aumento ou a diminuição do limite máximo permitido.



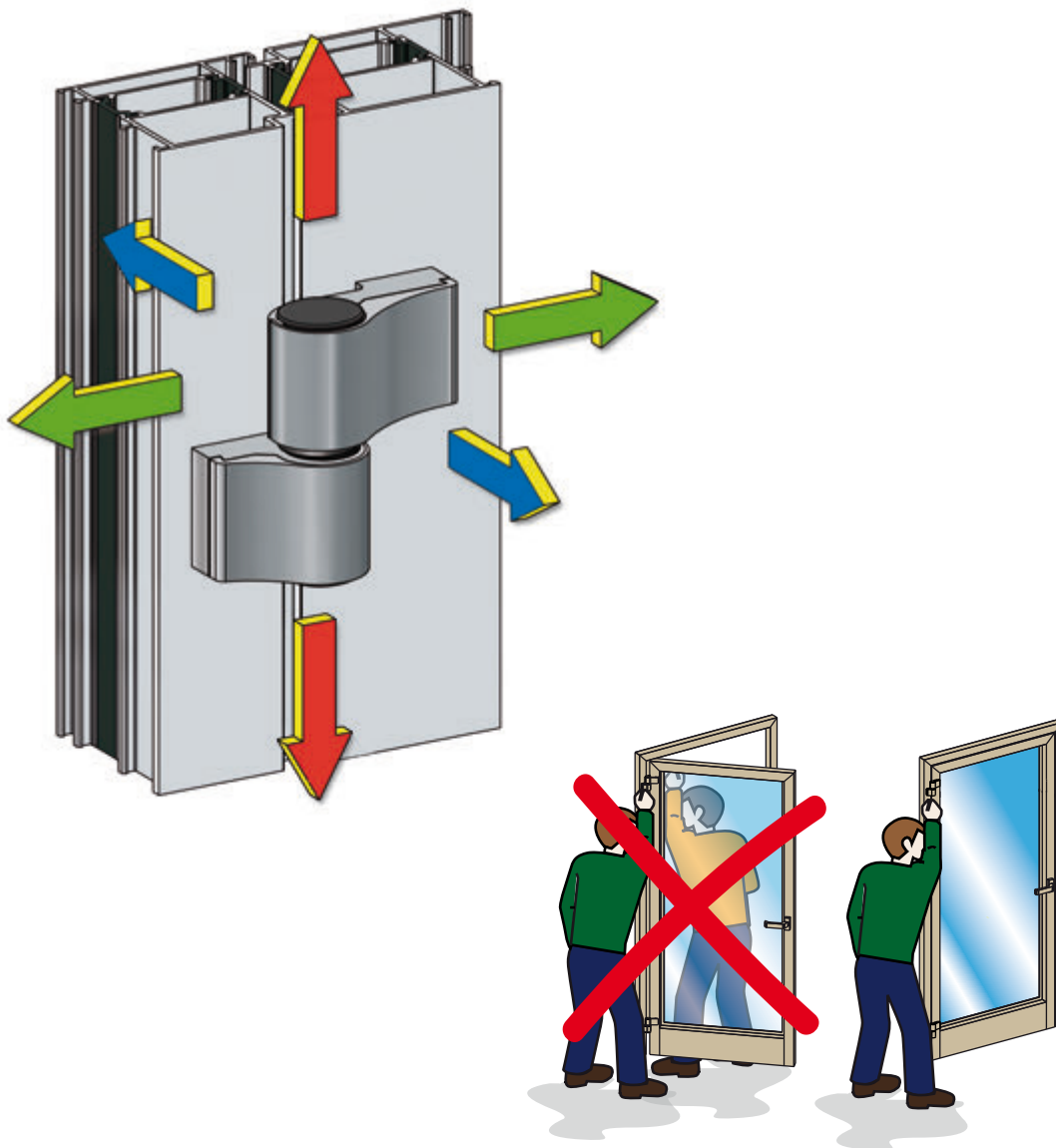
I componenti di rotazione e regolazione, della cerniera Loira+, sono stati studiati per ottenere la massima sicurezza anche in applicazioni per aperture verso l'esterno ed hanno consentito di ottenere la certificazione antieffrazione ENV 1627 SKG.

The rotating and adjusting components of the Loira+ hinges, have been designed to ensure maximum safety even on outward opening applications, and have obtained the SKG anti-theft certification ENV 1627 .

Les composants de rotation et de réglage de la paumelle Loira+, ont été étudiés pour obtenir haute sécurité très élevée, aussi en cas de applications sur ouvertures vers l'extérieur et ils ont permit de obtenir la certification antieffraction ENV 1627 SKG.

Los componentes de rotación y regulación de la bisagra Loira+, están estudiados para obtener la seguridad máxima aun en aplicaciones para aperturas hacia exterior, y que nos han permitido de obtener la certificación anti robo SKG ENV 1627.

Os componentes de rotação e afinação da dobradiça Loira +, são estudados para obter a máxima segurança mesmo em aplicações para as aberturas para o exterior, e que nos permitiu obter a certificação de anti roubo SKG ENV 1627.



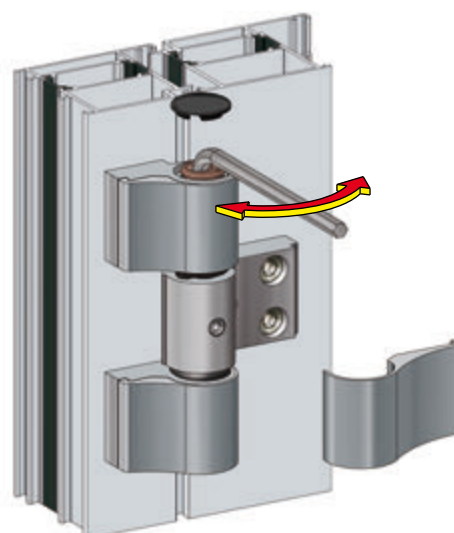
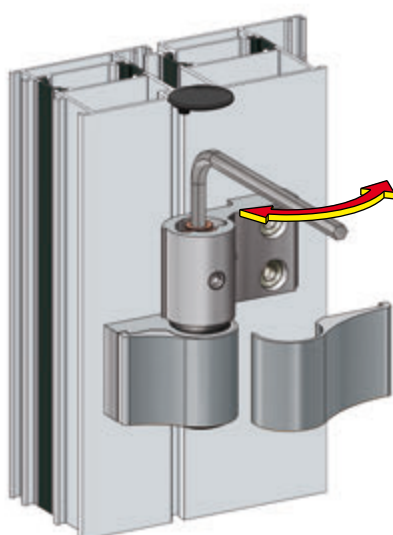
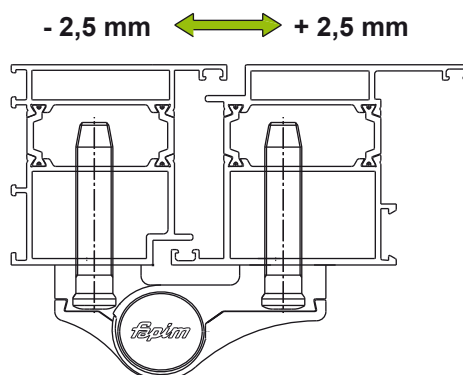
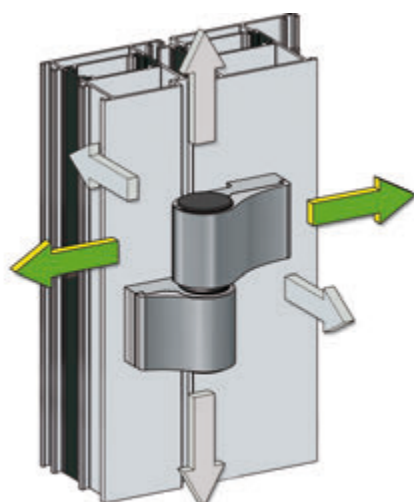
La cerniera Loira+ sia nella versione a due ali che in quella a tre ali è regolabile, a porta chiusa, nelle tre direzioni. Le regolazioni sono micrometriche e completamente indipendenti tra loro.

The Loira+ hinge in both two and three-leaf version, is adjustable in the three directions, when the door is in the closed position. Adjustments are micrometric and independent of one another.

La paumelle Loira+ soit dans la version à deux lames que dans celle à trois lames est réglable à porte fermée, dans les trois directions. Les réglages sont micrométriques et complètement indépendants entre eux.

La bisagra Loira+ , sea en la versión de dos palas, como en la versión de tres palas, se puede regular con puerta cerrada, en las tres direcciones. Las regulaciones, son micro métricas y completamente independientes entre ellas.

A dobradiça Loira+ tanto na verção de duas como de três abas, pode ser afinada com a porta fechada nas três direções. As afinações, sao micrométricas e completamente independentes umas das outras.



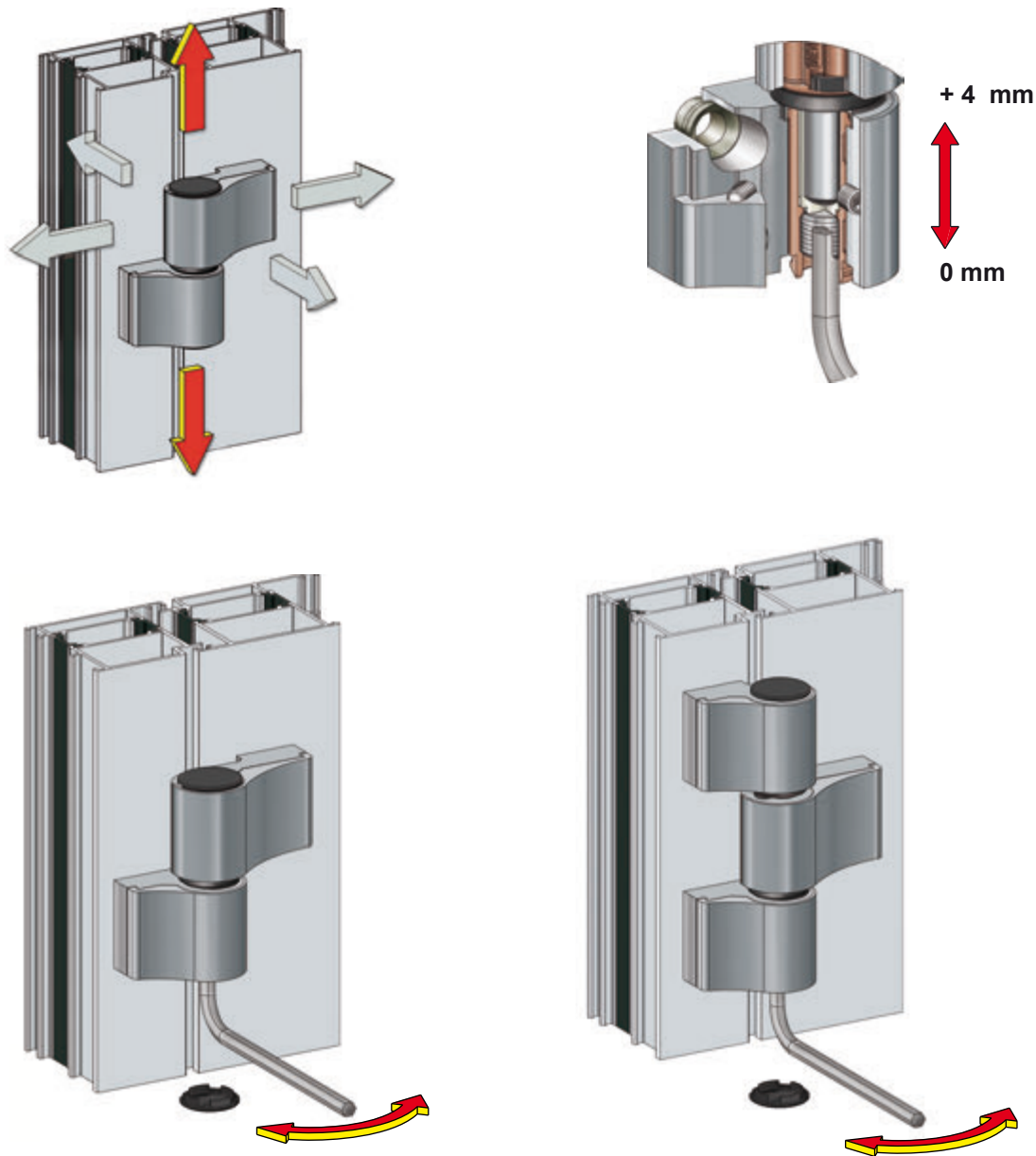
La regolazione micrometrica orizzontale, di  $\pm 2,5$  mm, si esegue a porta chiusa con la semplice rotazione della boccia superiore e successivo bloccaggio del grano.

The micrometric horizontal adjustment, of  $\pm 2,5$  mm, is carried out when the door is in the closed position, by rotating the upper bush and then locking the dowel.

Le réglage micrométrique en horizontal, de  $\pm 2,5$  mm, est effectué à porte fermée par une simple rotation de la douille supérieure et suivant blocage de la vis sans tête.

La regulación micrométrica horizontal, de  $\pm 2,5$  mm se ejecuta con la puerta cerrada, por medio de la sencilla operación de rotación del casquillo superior y posterior bloqueo del tornillo prisionero.

A afinação horizontal micrométrica de  $\pm 2,5$  milímetros é feita a porta fechada pela simples rotação do casquillo superior e inferior e posterior bloqueio do parafuso de bloqueio.



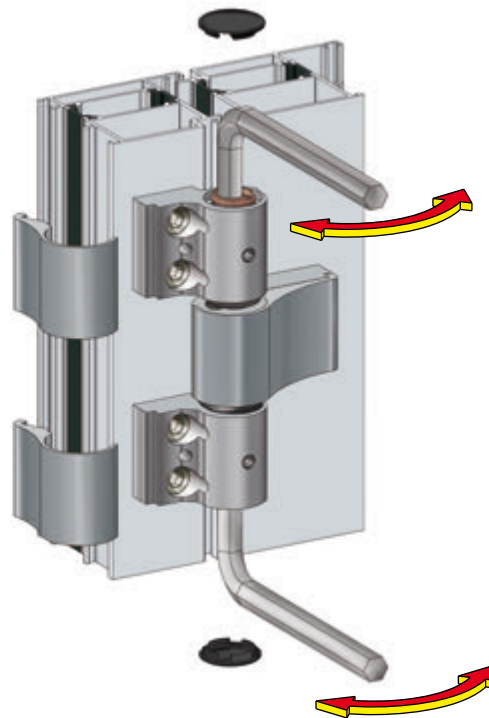
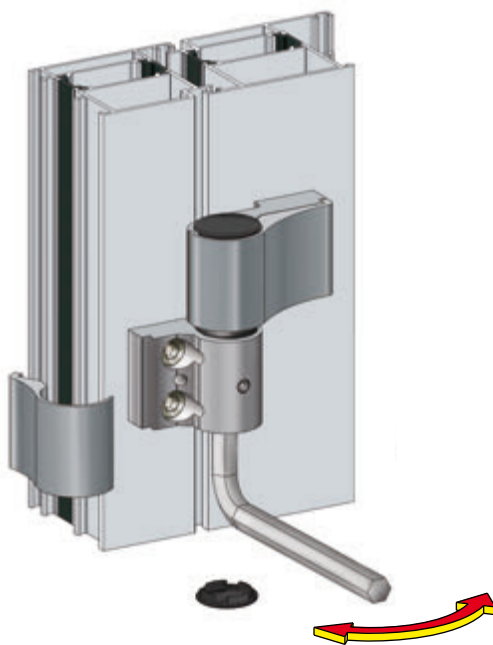
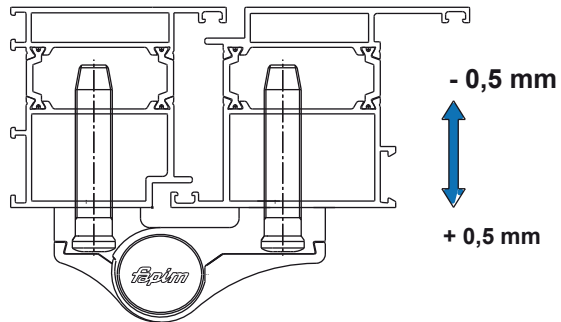
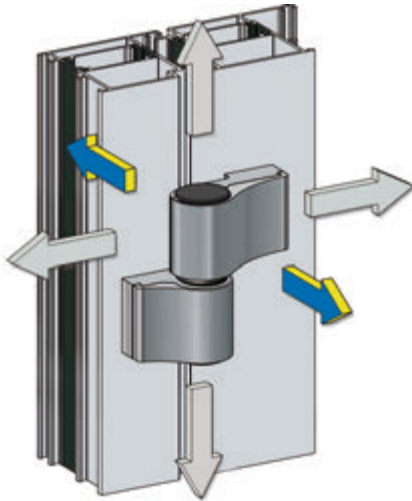
La regolazione micrometrica verticale, da 0 a +4 mm, si esegue a porta chiusa tramite il registro in acciaio inox, premontato nella boccia inferiore.

The micrometric vertical adjustment, from 0 to +4 mm, is carried out when the door is in the closed position through a stainless steel adjusting element, pre-assembled on the lower bush.

Le réglage micrométrique vertical, de 0 à +4mm, est effectué à porte fermée par le registre en acier inox, prémonté dans la douille basse.

La regulación micrométrica vertical, desde 0 hasta + 4 mm, se ejecuta por medio del registro de acero inox, ya montado en el casquillo inferior.

A afinação vertical micrométrica de 0 a + 4 mm, é feita a través do registo em aço inoxidável e premontado no casquilho inferior.



La regolazione micrometrica in pressione della guarnizione, di  $\pm 0,5$  mm, si esegue a porta chiusa tramite la semplice rotazione della boccia inferiore e successivo bloccaggio del grano.

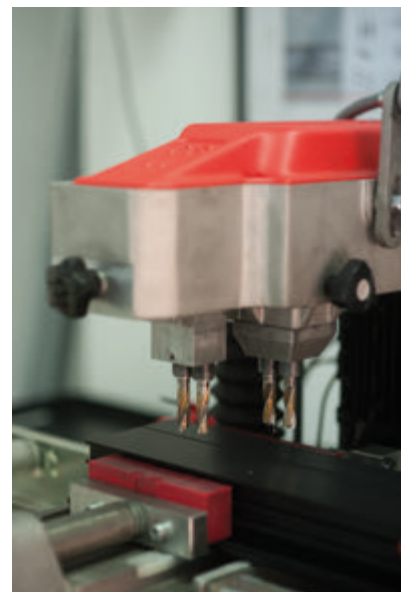
The micrometric adjustment in pressure of the gasket, of  $\pm 0,5$  mm, is carried out when the door is in the closed position, by rotating the lower bush and then locking the dowel.

Le réglage micrométrique en pression du joint, de  $\pm 0,5$  mm, est effectué à porte fermée par la simple rotation de la douille basse et suivant blocage de la vis sans tête.

La regulación micrométrica en presión de la goma correspondiente a  $\pm 0,5$  mm se ejecuta con puerta cerrada, por medio de la sencilla operación de rotación del casquillo superior y posterior bloqueo del tornillo prisionero.

Afinação micrométrica em pressão sobre a borracha  $\pm 0,5$  Mm., levada a cabo coa porta fechada, por meio dum simples operação de rotação do casquillo superior, com posterior bloqueio do parafuso de bloqueio.

TF Macchina 11 foratura con morsa pneumatica  
 TF 11 drilling machine with pneumatic vice  
 TF machine 11 de forage avec étau pneumatique  
 TF máquina 11 de perforación con el vicio neumática  
 TF máquina de perfuração com 11 vice-pneumática



La fresatrice TF11, disponibile con morsa manuale o pneumatica, permette di eseguire rapidamente e senza errori le lavorazioni necessarie per il montaggio delle cerniere, sia a due ali che a tre ali, su profili freddi o a taglio termico. E' dotata di basamento, piano di appoggio con rulli di scorrimento, battute e di tutti gli utensili e ricambi necessari. E' disponibile anche un'ampia gamma di dime fisse, universali o specifiche per ogni interasse, da posizionarsi sopra i profili per l'esecuzione delle lavorazioni.

The TF11 milling machine, available with either manual or pneumatic vice, allows fast and correct execution of the machining required for the assembly of two and three-leaf hinges, on either cold or thermal break profiles. It is equipped with a base, a surface with sliding rollers, stops and other required tools and spare parts. A wide range of fixed templates is also available in either all purpose version or for different center distances, to carry out the machining on the profile.

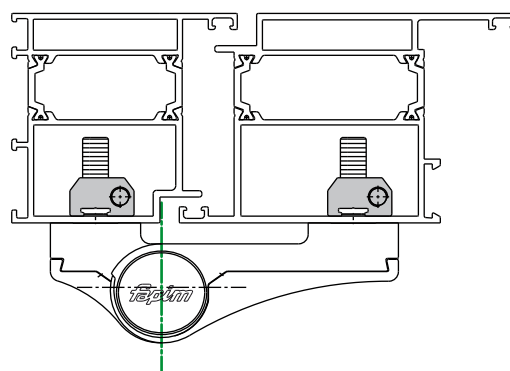
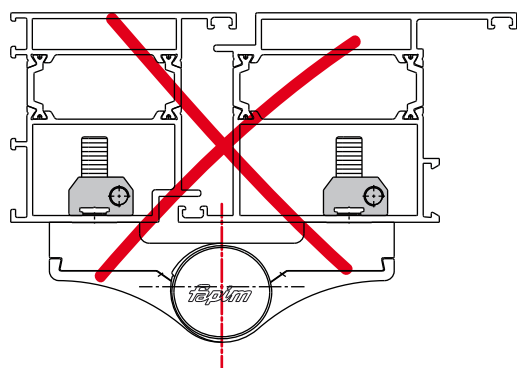
La perceuse TF11, disponible avec étau manuel ou pneumatique, permet de exécuter rapidement et sans erreurs les usinages nécessaires pour le montage des paumelles, soit à deux lames qu'à trois lames, sur profils froids ou à coupe thermique. Elle est équipée d'une base, en plan d'appuy avec rouleaux de glissement, par des butées et de tous les outils et rechanges nécessaires. Il est disponible aussi une grande gamme de gabarits fixes, universelles ou spécifiques pour chaque entraxe à positionner sur les profils pour exécuter les usinages.

La perforadora TF11, disponible con prensa manual o con prensa neumática, permite de ejecutar con rapidez y sin errores los trabajos necesarios para el montaje de las bisagras de dos así como también de tres palas, sobre perfiles fríos y de corte térmico. Dispone de una base, superficie de apoyo con rodillos, batientes y de todos los equipos y repuestos necesarios. Está disponible también una amplia gama de plantillas fijas, universales, o particular para cada intereje, que se deben poner sobre el perfil el momento de ejecutar los trabajos.

A broca TF11, disponível com preça manual ou pneumática, que permite com rapidez e precisão executar o trabalho necessário para a montagem das dobradiças, bem como dois dos três abas, em perfis de corte térmico ou frios. Possui uma base, superfície de apoio com cilindros, batentes e todos os equipamentos necessários e de peças necessário. Disponibilidade de uma vasta gama de labaritos fixos, universales ou particular, para cada intereje, que deve ser colocada sobre o perfil o tempo de execução dos perforados.



Consigli d'impiego  
 Recommendations for use  
 Conseils d'emploi  
 Consejos de empleo  
 Recomendações para o uso



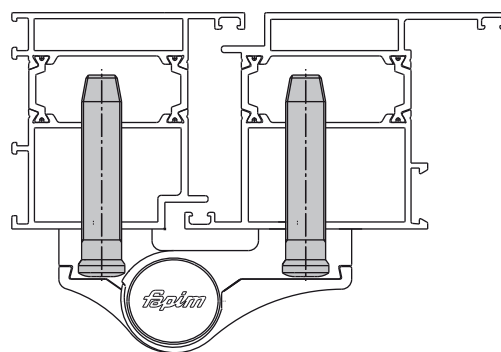
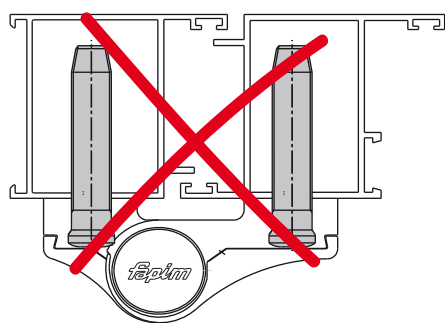
Adottare l'articolo Loira+, che permetta il più possibile di posizionare l'asse di rotazione come indicato in figura.

Please choose the Loira+ item which allows the rotating pin to be placed as shown in the picture.

Choisir l'article Loira+ qui permet de positionner l'axe de rotation comme montré dans la figure.

Adoptar el producto Loira+ , que permita posicionar el eje de rotacion lo mas posible como esta indicada en la figura.

Utilize o artigo Loira+ que permita posicionar, na medida do possível, o eixo principal de rotação como mostrado na figura.



L'applicazione delle speciali viti di fissaggio autofilettanti può essere effettuato solo su profili con il serraggio su almeno due pareti.

The special self-threading screws can be exclusively used on profiles having tightening catching on at least two profiles walls.

Les vis spéciale auto-taraudeuse ne peuvent être utilisées que sur les profils qui serrent sur au moins deux parois.

La aplicación de los tornillos especiales de fijación autoroscables puede ser efectuados solo sobre perfiles con al menos dos paredes.

La aplicación de los tornillos especiales de fijación autoroscables puede ser efectuados solo sobre perfiles con al menos dos paredes.



Confezione standard  
Standard packaging  
Conditionnement standard  
Embalaje estándar  
Embalagem padrão



Confezione industrial  
Industrial packaging  
Emballage industriel  
Embalaje de producción  
Embalagens industriais



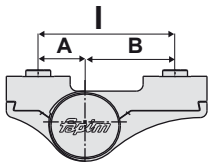





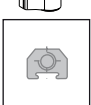

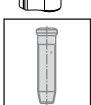
Le cerniere Loira+, nelle versioni a due che a tre ali, sono confezionate singolarmente in scatole standard da 12 pezzi ed in scatole industriali da 50 pezzi.

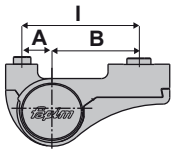

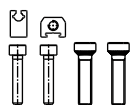


The Loira+ hinges in either two and three-leaf version, are individually packed in standard boxes containing 12 pieces each and in industrial boxes containing 50 pieces each.

Les paumelles Loira+, dans la version à deux et trois lames, sont conditionnées singulièrement en boîtes standard de 12 pièces et en boîtes industrielles de 50 pièces.

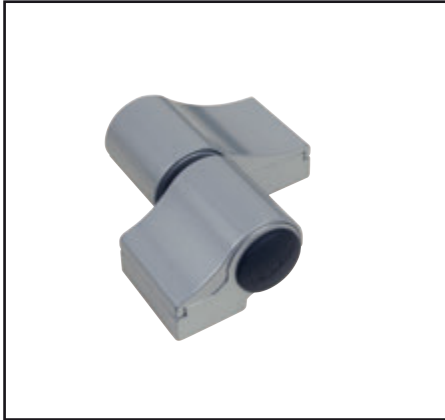
Las bisagras Loira+ de dos y de tres palas, están embaladas individualmente en caja estándar de 12 unidades y en caja industrial de 50 unidades


As dobradiças Loiras+ de duas e três abas são embaladas individualmente em caixas standard de 12 unidades e caixas industriais de 50 unidades

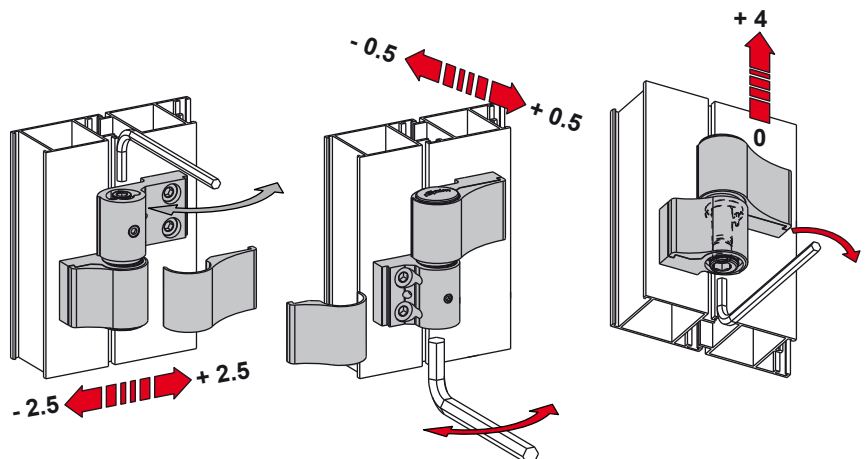
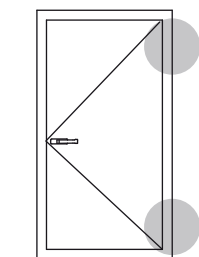
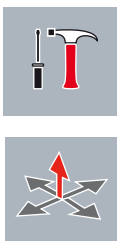
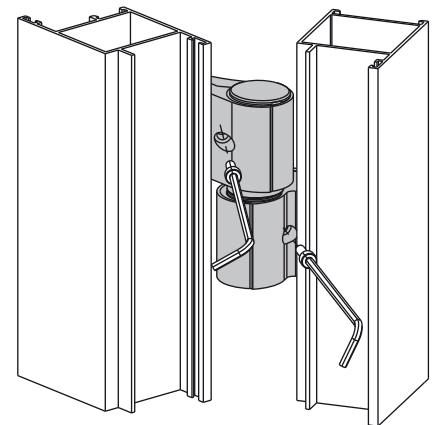
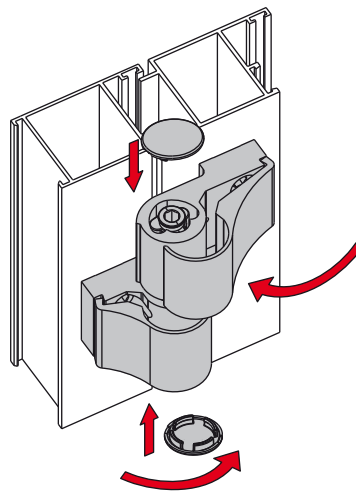
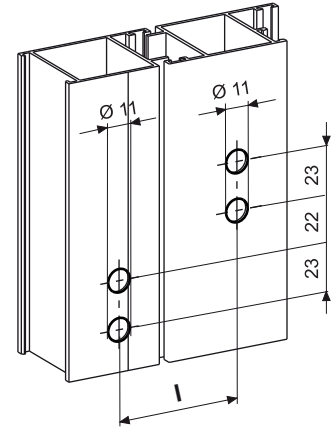
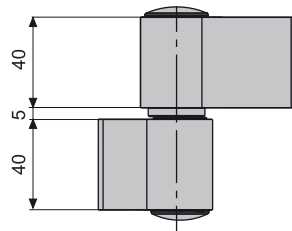
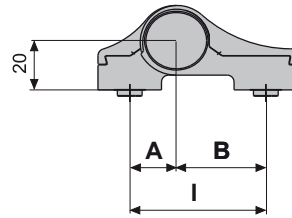
<b>LOIRA+</b>	<b>I A+B</b>	<b>41</b> (20,5+20,5)	<b>60</b> (20,5+39,5)	<b>67</b> (20,5+46,5)	<b>79</b> (39,5+39,5)	<b>80</b> (20,5+59,5)	<b>86</b> (39,5+46,5)	<b>93</b> (46,5+46,5)	<b>99</b> (39,5+59,5)	<b>106</b> (46,5+59,5)
	 	7090	7000 7000i	7010 7010i	7020	7030	7040 7040i	7050 7050i	7060	7070
	 	7090V	7000V 7000Vi	7010V 7010Vi	7020V	7030V	7040V 7040Vi	7050V 7050Vi	7060V	7070V
	 		7003	7013 7013i	7023	7033	7043	7053	7063	7073
	 		7003V	7013V 7013Vi	7023V	7033V	7043V	7053V	7063V	7073V

<b>LOIRA+ T.R.</b>		<b>53</b> (13,5+39,5)	<b>60</b> (13,5+46,5)	<b>73</b> (13,5+59,5)
	 	7100 7100i	7110	7120
	 	7103		

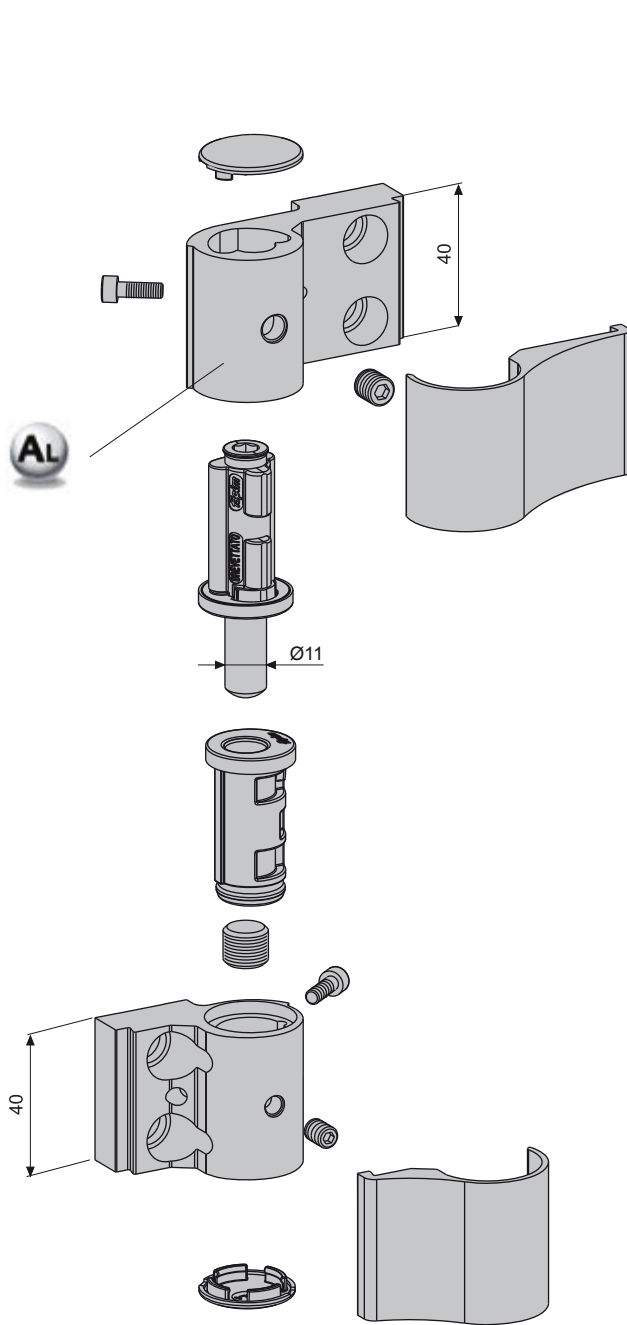
- 7000
- 7000i
- 7010
- 7010i
- 7020
- 7030
- 7040
- 7040i
- 7050
- 7050i
- 7060
- 7070
- 7090



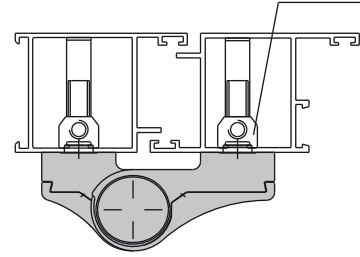
	I (mm)	A (mm)	B (mm)	
7000	60	20,5	39,5	12
7000i	60	20,5	39,5	50
7010	67	20,5	46,5	12
7010i	67	20,5	46,5	50
7020	79	39,5	39,5	12
7030	80	20,5	59,5	12
7040	86	39,5	46,5	12
7040i	86	39,5	46,5	50
7050	93	46,5	46,5	12
7050i	93	46,5	46,5	50
7060	99	39,5	46,5	12
7070	106	46,5	59,5	12
7090	41	20,5	20,5	12



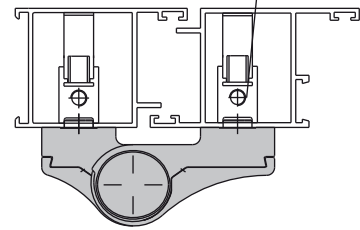
Cerniere di supporto per porte  
 Supporting Hinges For Doors  
 Charnières de soutien pour Portes  
 Bisagras de Reparto por Puertas  
 Dobradiças de apoio para Portas



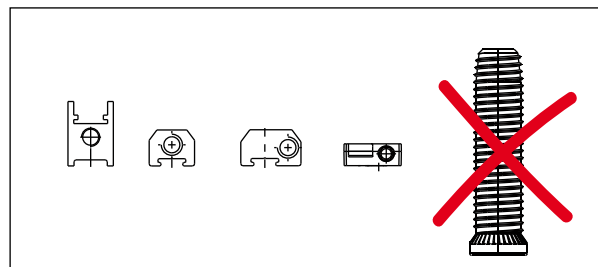
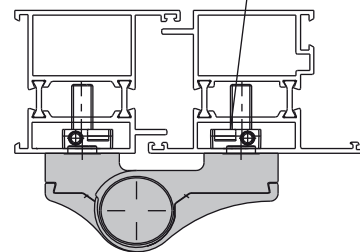
6623  
6624



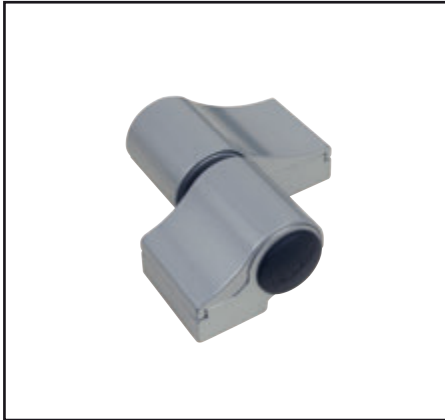
6633N




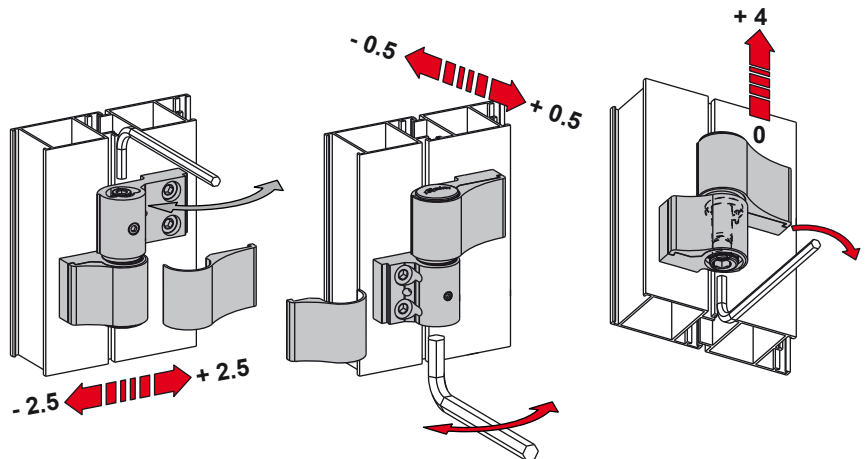
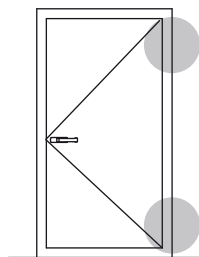
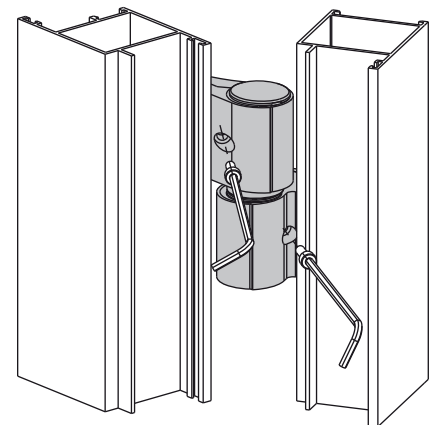
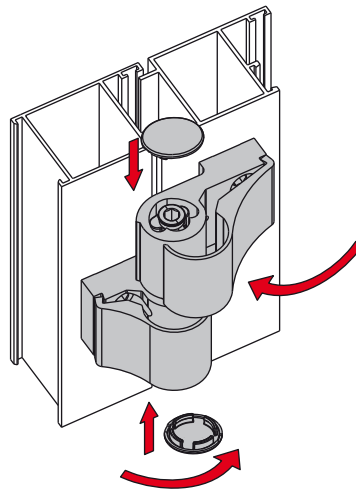
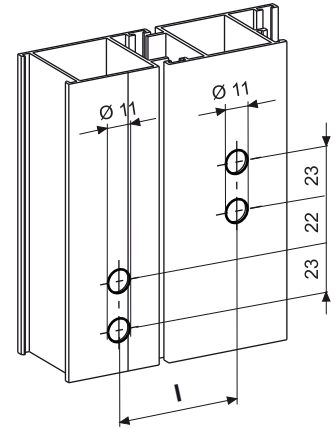
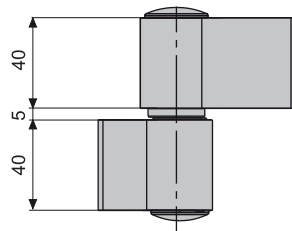
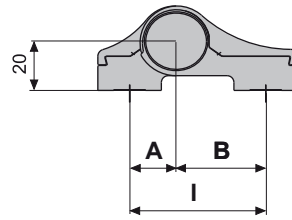
6620N  
6620Ni  
6620Ai



- 7000V
- 7000Vi
- 7010V
- 7010Vi
- 7020V
- 7030V
- 7040V
- 7040Vi
- 7050V
- 7050Vi
- 7060V
- 7070V
- 7090V

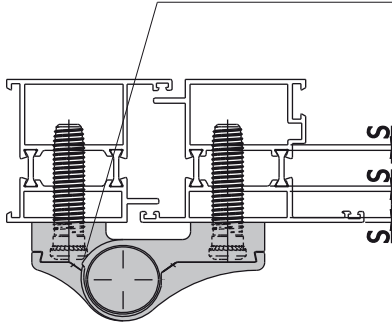
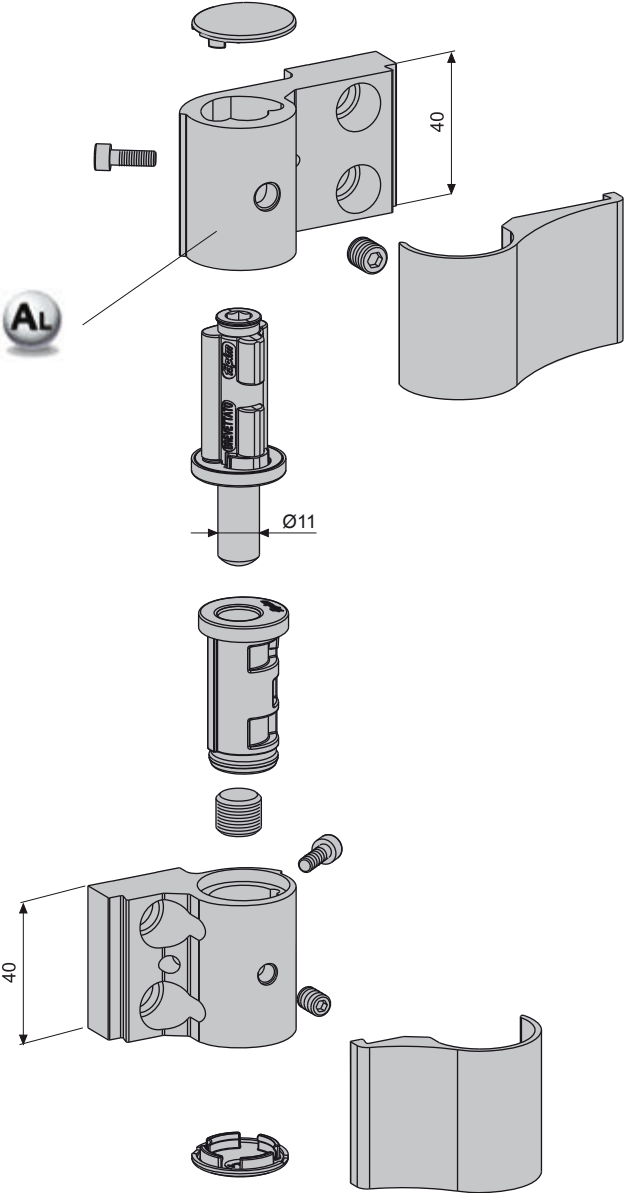


	I (mm)	A (mm)	B (mm)	
7000V	60	20,5	39,5	12
7000Vi	60	20,5	39,5	50
7010V	67	20,5	46,5	12
7010Vi	67	20,5	46,5	50
7020V	79	39,5	39,5	12
7030V	80	20,5	59,5	12
7040V	86	39,5	46,5	12
7040Vi	86	39,5	46,5	50
7050V	93	46,5	46,5	12
7050Vi	93	46,5	46,5	50
7060V	99	39,5	46,5	12
7070V	106	46,5	59,5	12
7090V	41	20,5	20,5	12

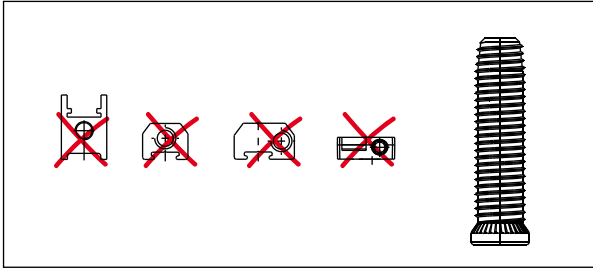
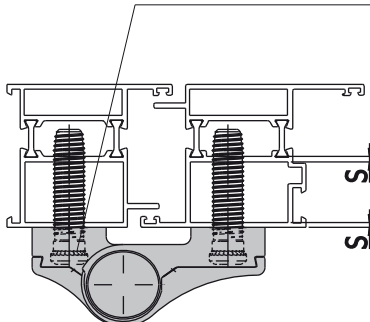


Cerniere di supporto per porte  
Supporting Hinges For Doors  
Charnières de soutien pour Portes  
Bisagras de Reparto por Puertas  
Dobradiças de apoio para Portas

6603A  
6604A  
6605A  
6603i  
6604i  
6605i  
6603Xi  
6604Xi




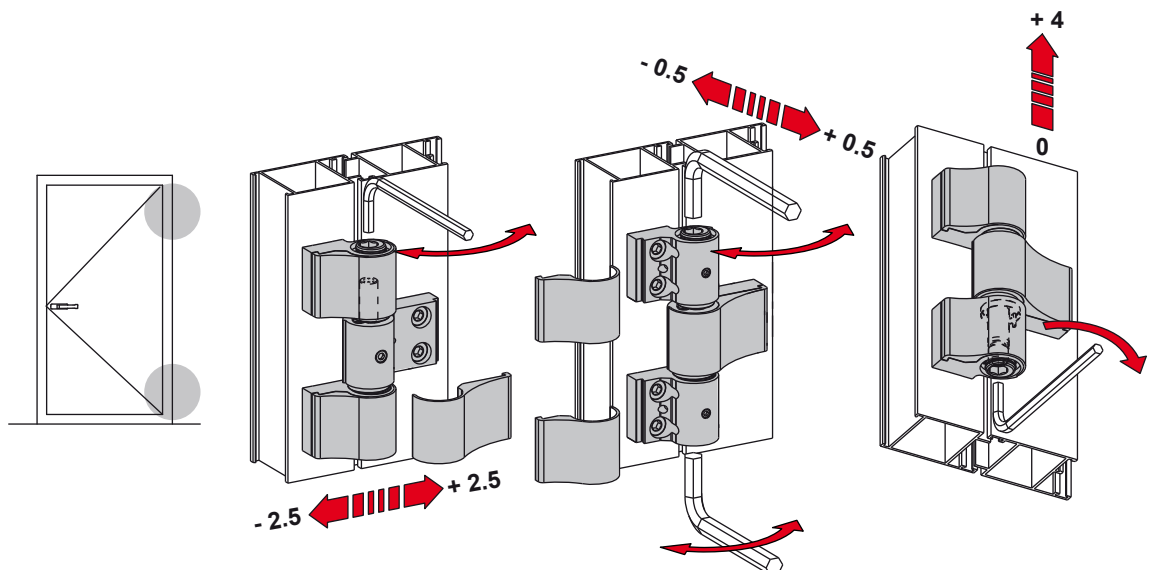
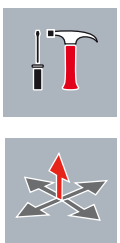
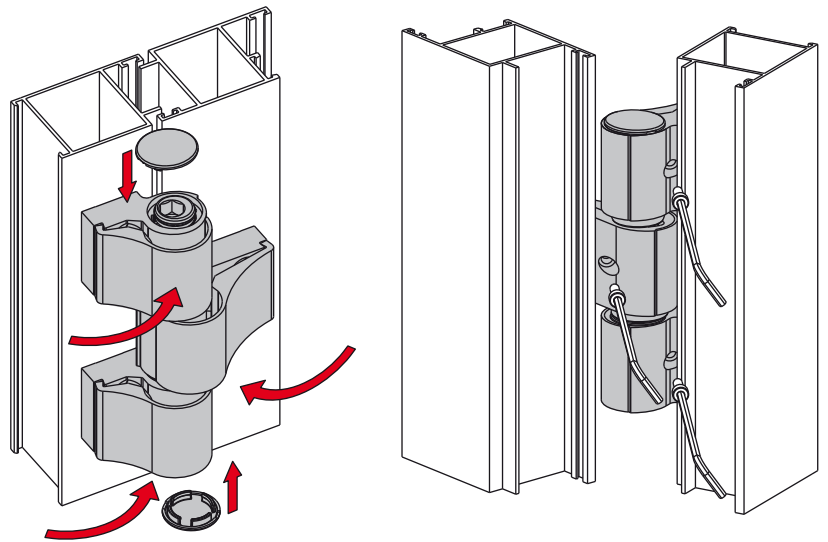
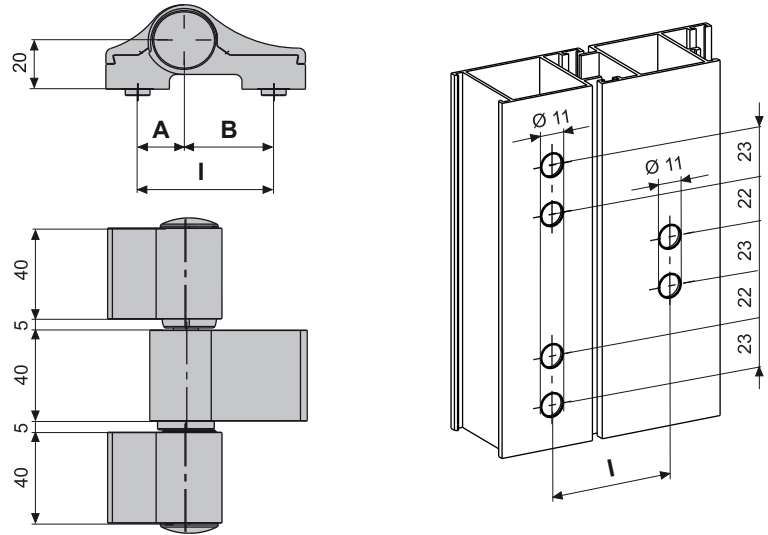
6603A  
6604A  
6605A  
6603i  
6604i  
6605i  
6603Xi  
6604Xi



- 7003
- 7013
- 7013i
- 7023
- 7033
- 7043
- 7053
- 7063
- 7073
- 7093

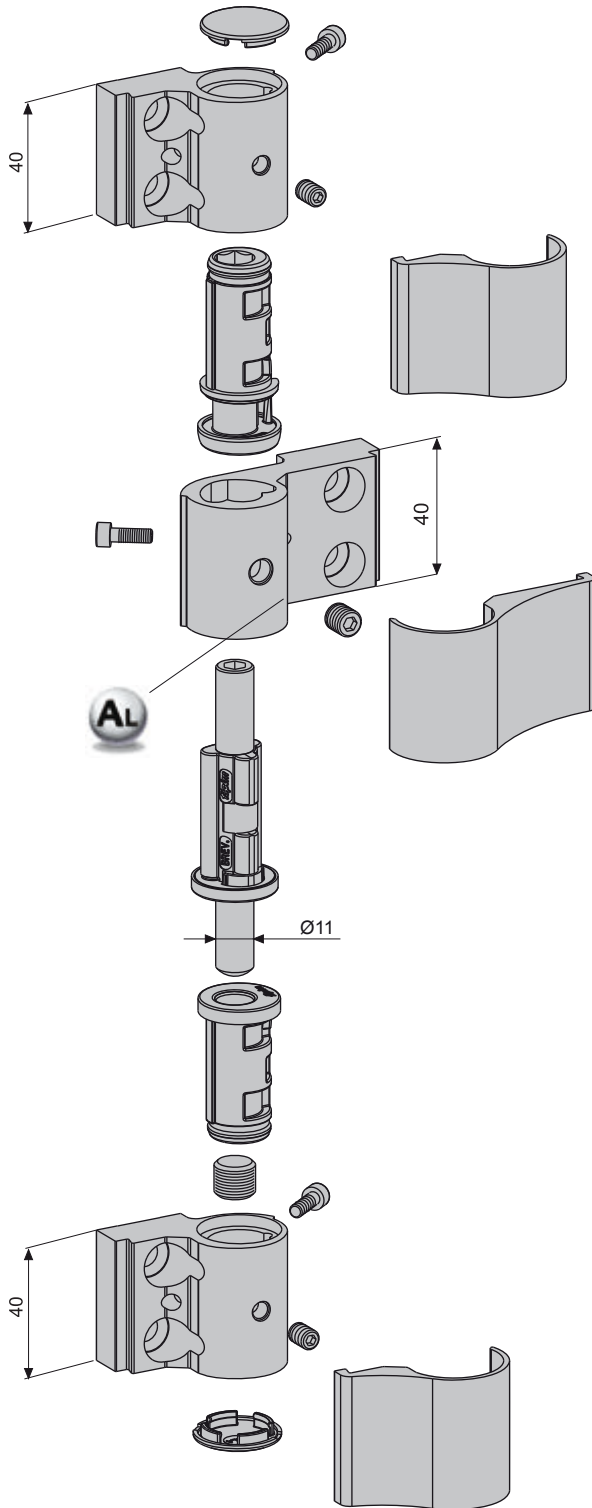


	I (mm)	A (mm)	B (mm)	
7003	60	20,5	39,5	12
7013	67	20,5	46,5	12
7013i	67	20,5	46,5	50
7023	79	39,5	39,5	12
7033	80	20,5	59,5	12
7043	86	39,5	46,5	12
7053	93	46,5	46,5	12
7063	99	39,5	46,5	12
7073	106	46,5	59,5	12
7093	41	20,5	20,5	12

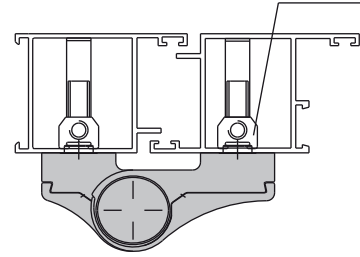




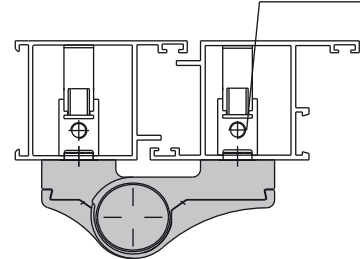
Cerniere di supporto per porte  
 Supporting Hinges For Doors  
 Charnières de soutien pour Portes  
 Bisagras de Reparto por Puertas  
 Dobradiças de apoio para Portas



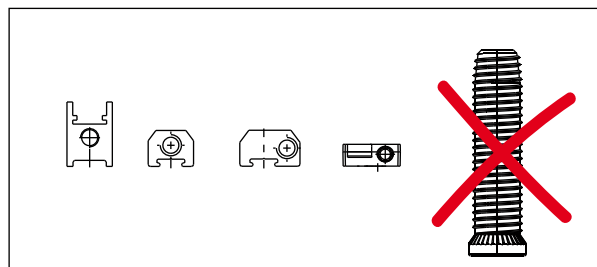
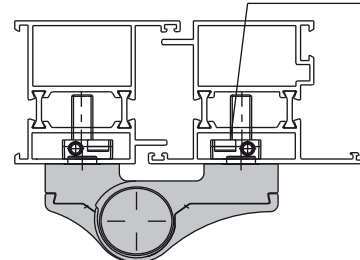
6625  
6626



6643N




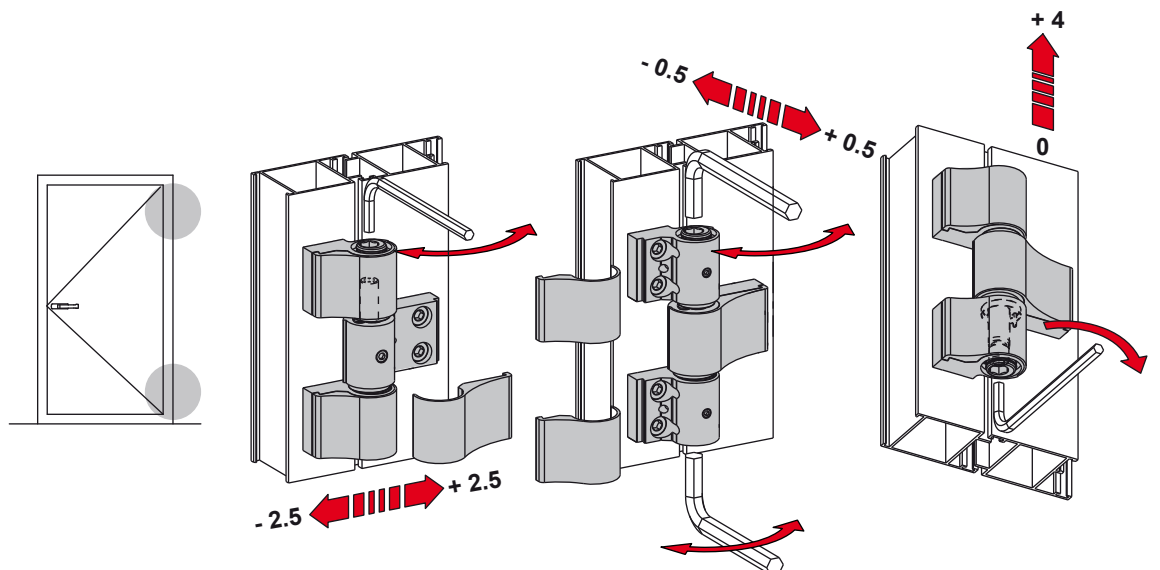
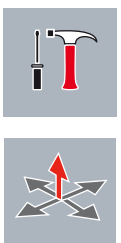
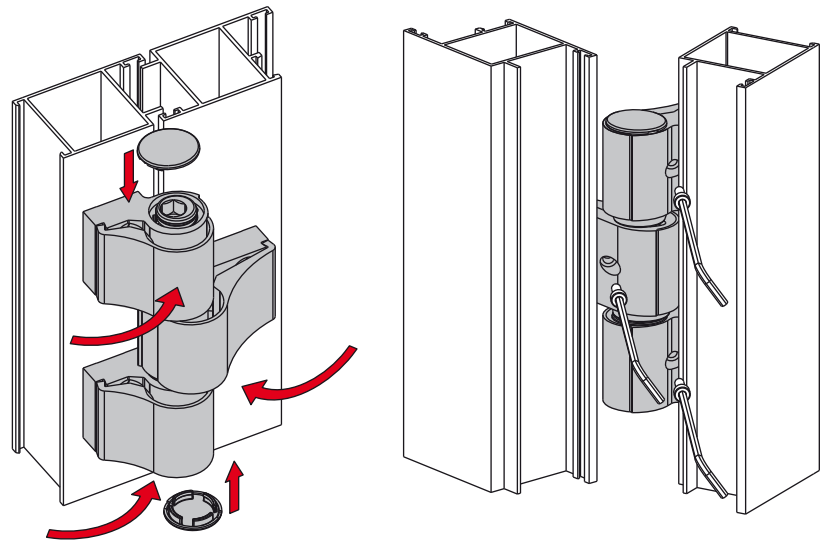
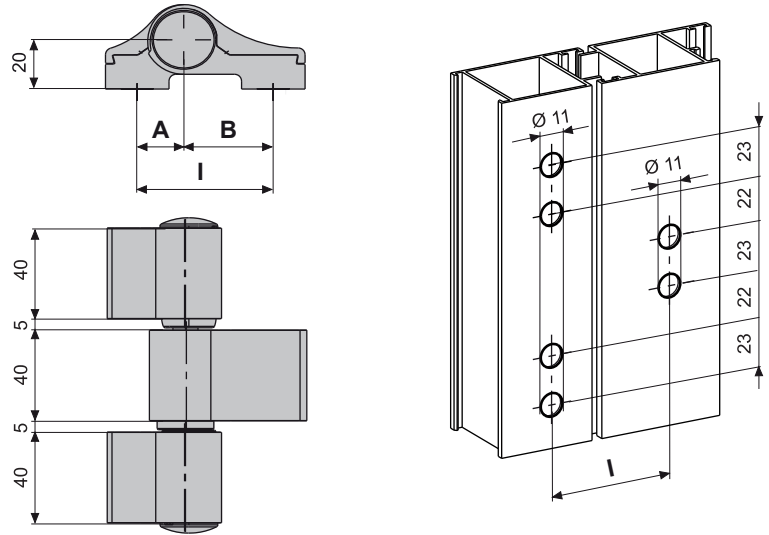
6621N  
6621Ni  
6621Ai



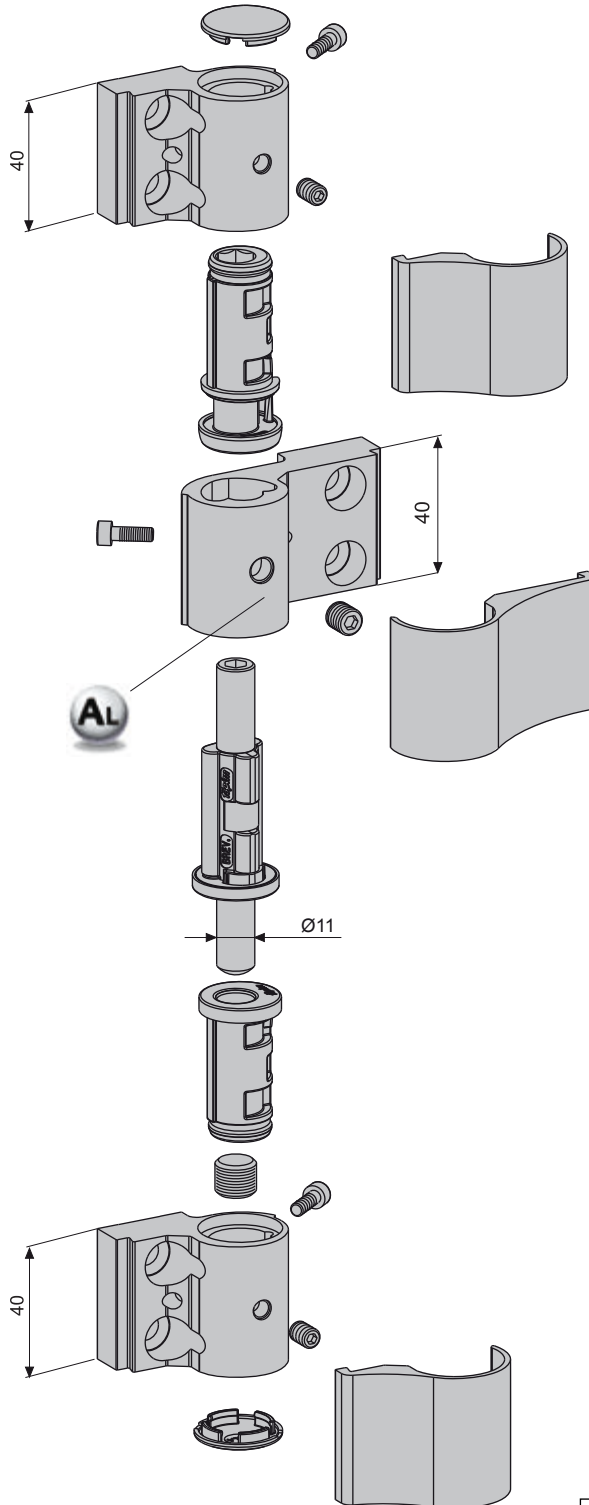
7003V  
7013V  
7013Vi  
7023V  
7033V  
7043V  
7053V  
7063V  
7073V  
7093V



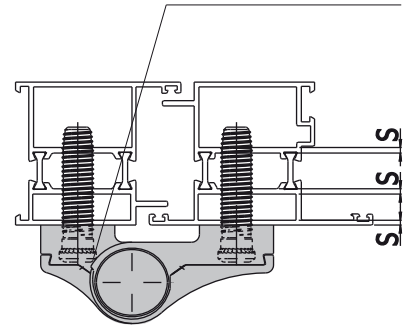
	I (mm)	A (mm)	B (mm)	
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7013V	67	20,5	46,5	12
7013Vi	67	20,5	46,5	50
7023V	79	39,5	39,5	12
7033V	80	20,5	59,5	12
7043V	86	39,5	46,5	12
7053V	93	46,5	46,5	12
7063V	99	39,5	46,5	12
7073V	106	46,5	59,5	12
7093V	41	20,5	20,5	12



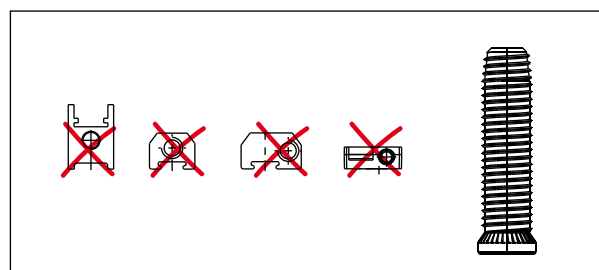
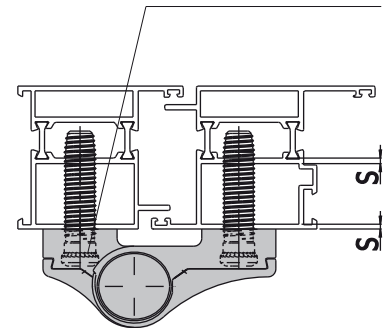
Cerniere di supporto per porte  
 Supporting Hinges For Doors  
 Charnières de soutien pour Portes  
 Bisagras de Reparto por Puertas  
 Dobradiças de apoio para Portas



6603B  
 6604B  
 6605B  
 6603i  
 6604i  
 6605i  
 6603Xi  
 6604Xi




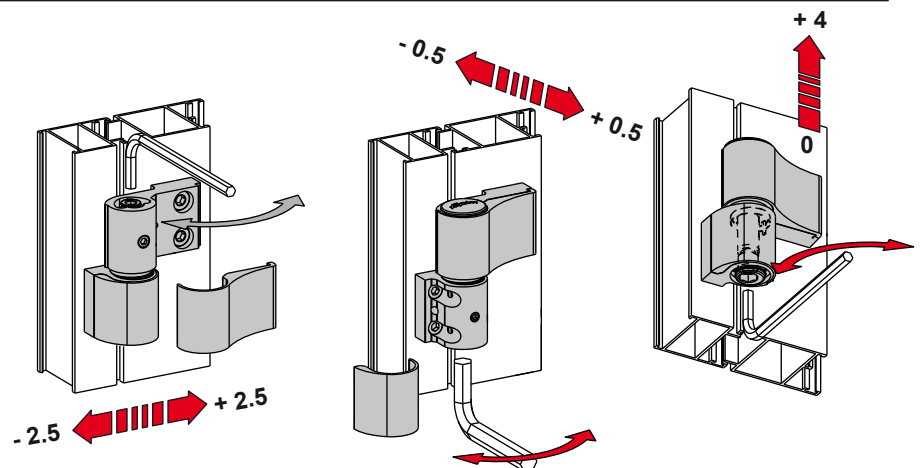
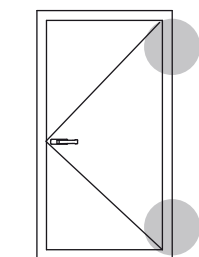
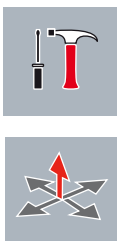
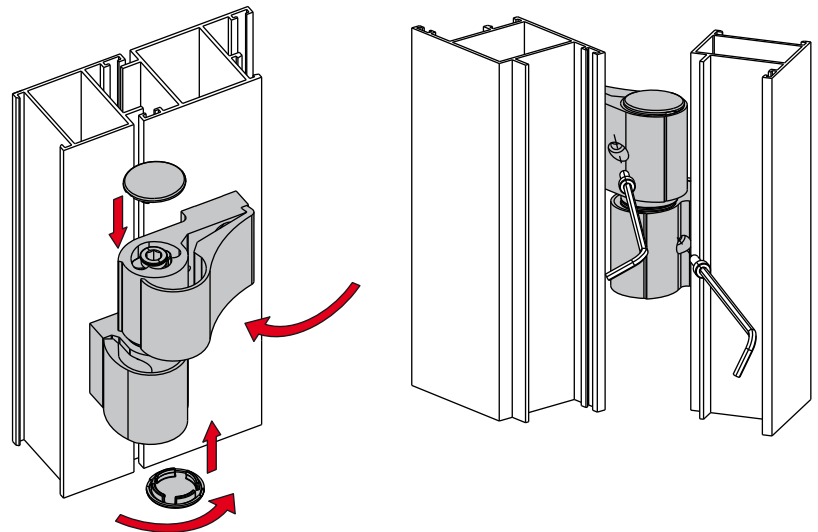
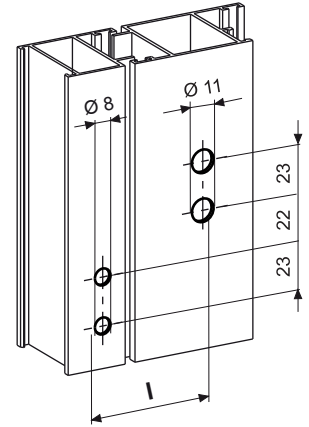
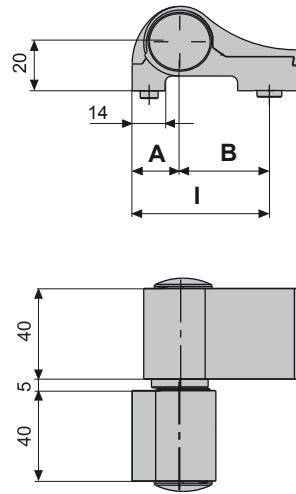
6603B  
 6604B  
 6605B  
 6603i  
 6604i  
 6605i  
 6603Xi  
 6604Xi



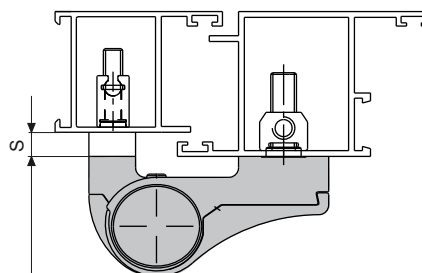
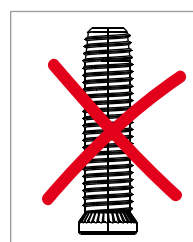
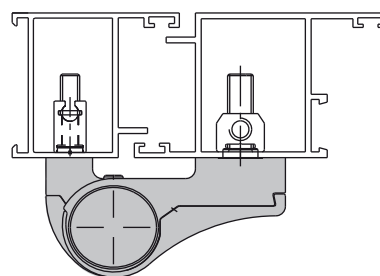
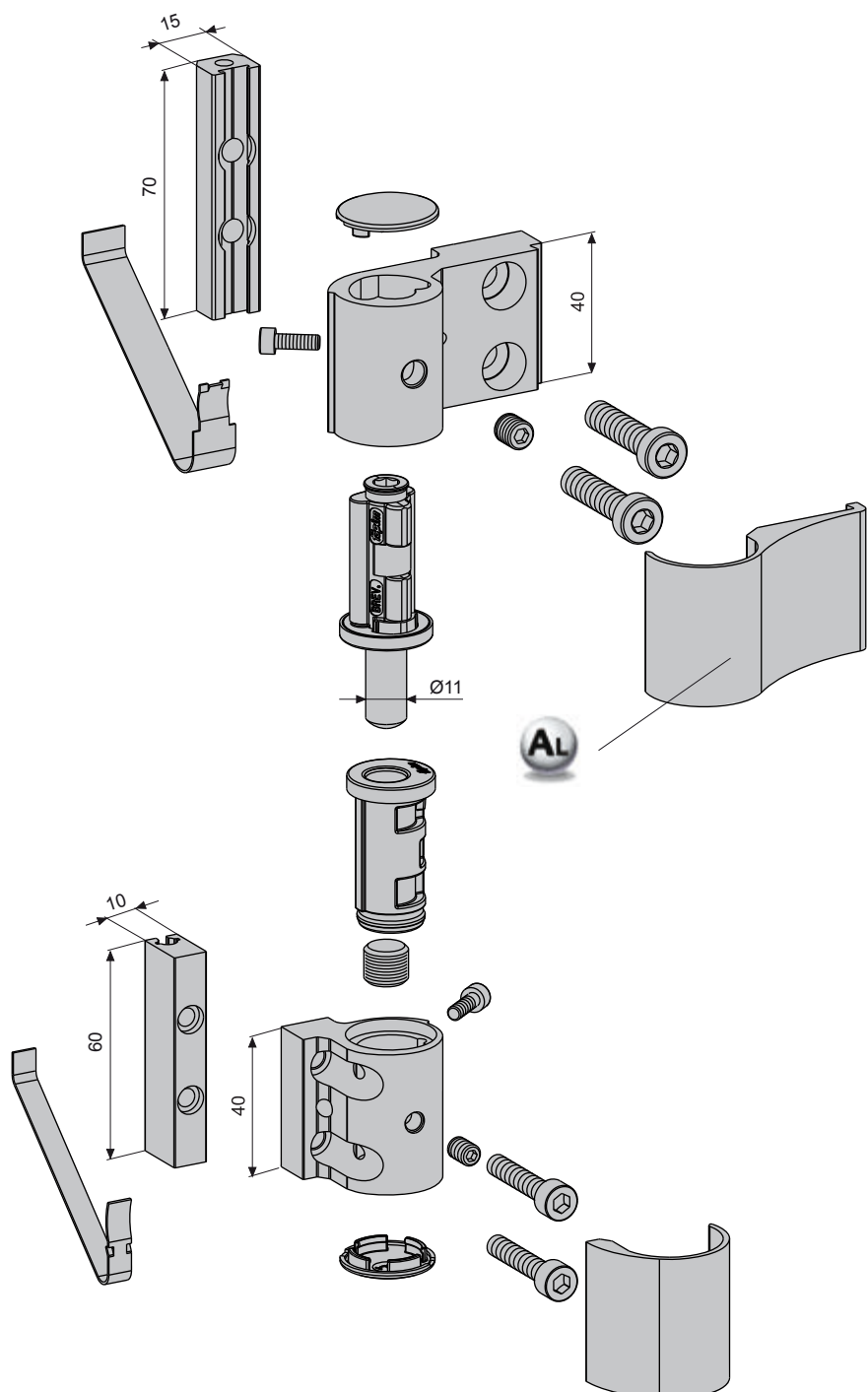
7100  
7100i  
7110



	I (mm)	A (mm)	B (mm)	
7100	53	13,5	39,5	12
7100i	53	13,5	39,5	50
7110	60	13,5	46,5	12




Cerniere di supporto per porte  
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 Bisagras de Reparto por Puertas  
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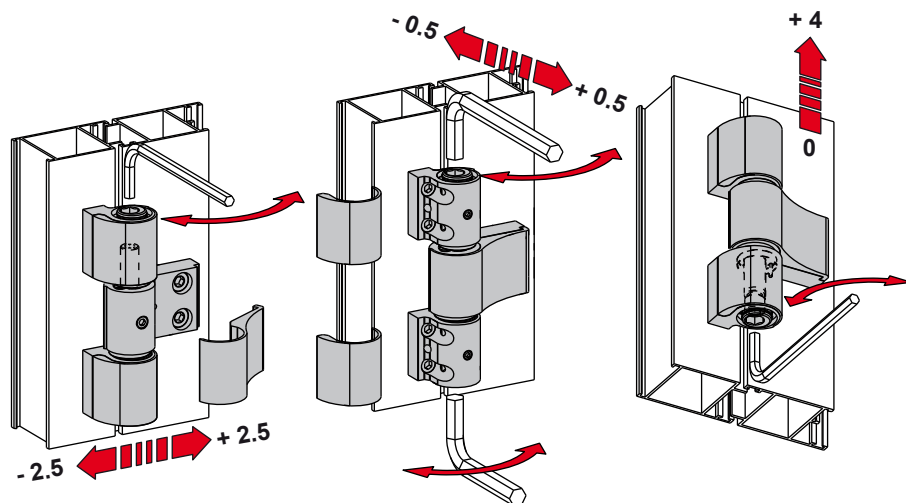
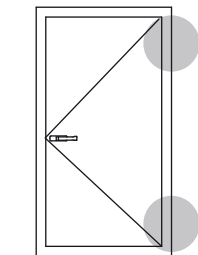
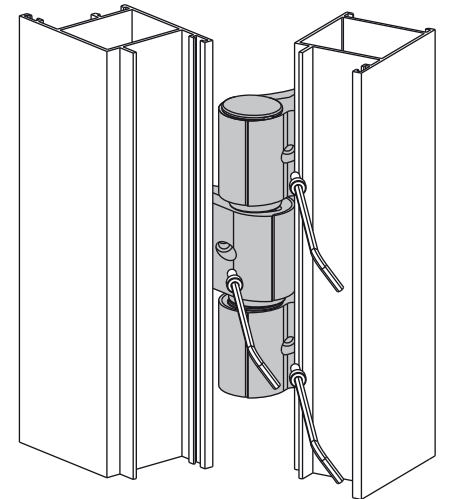
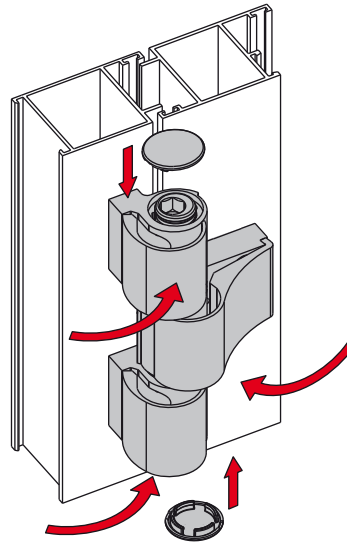
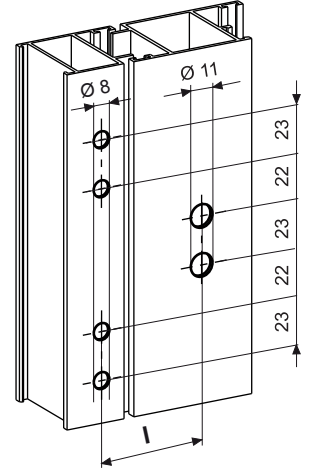
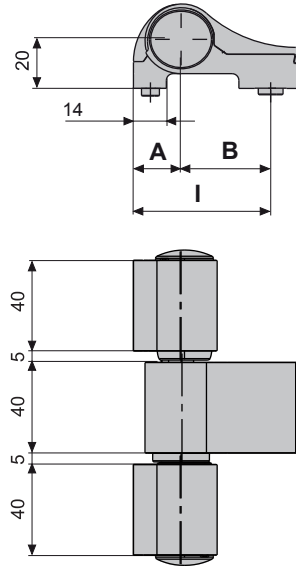


- 6669S2
- 6669S4
- 6669S5
- 6669S7
- 6699S8
- 6669S85
- 6699S9
- 6669S10

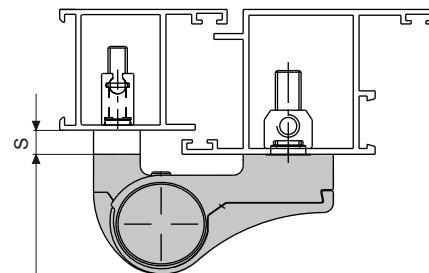
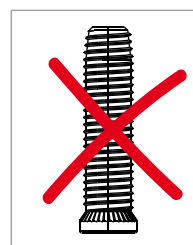
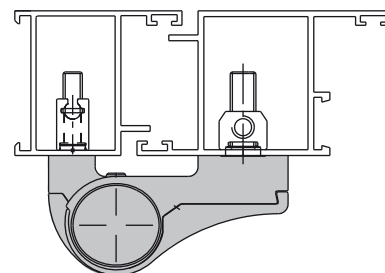
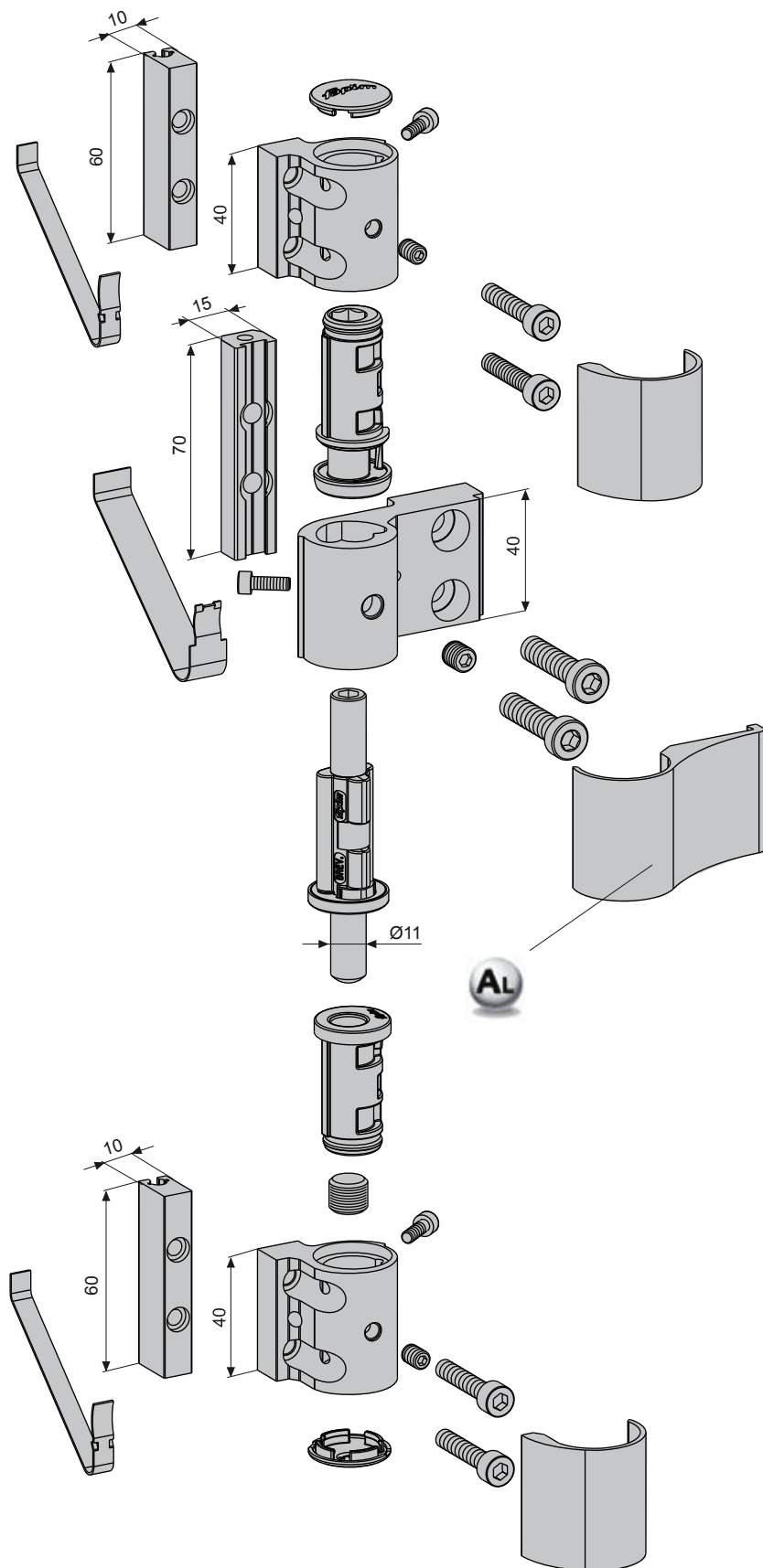
7103



	I (mm)	A (mm)	B (mm)	
7103	53	13,5	39,5	12




Cerniere di supporto per porte  
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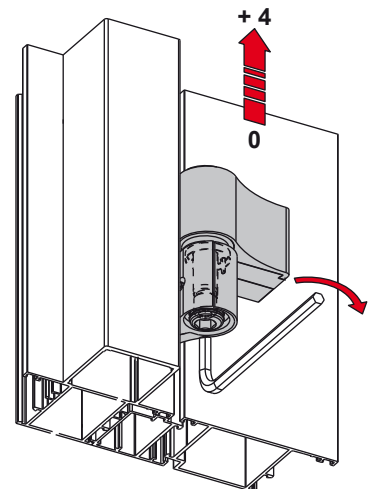
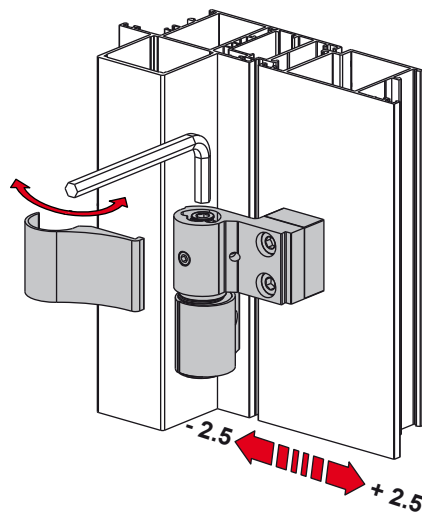
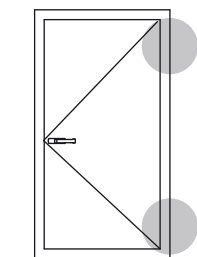
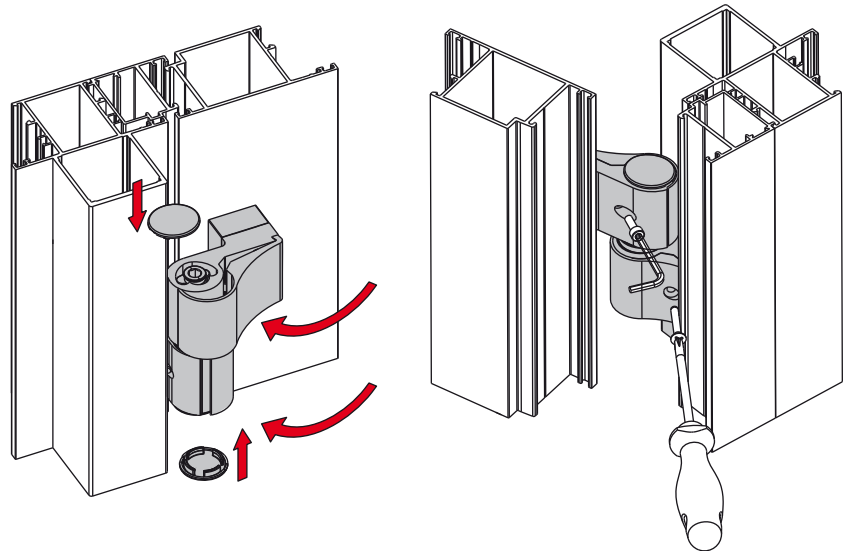
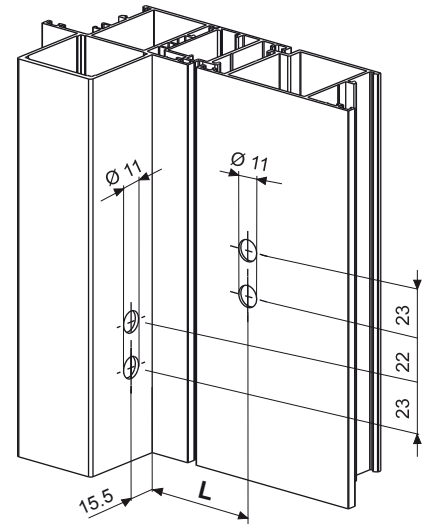
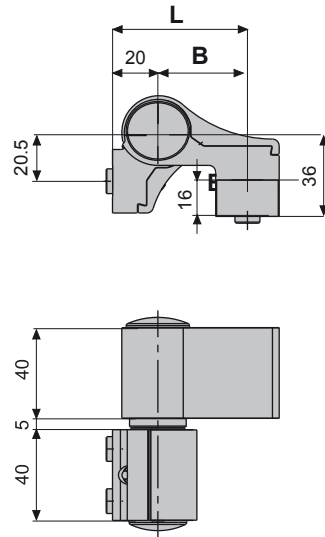


- 6669S2
- 6669S4
- 6669S5
- 6669S7
- 6699S8
- 6669S85
- 6699S9
- 6669S10

7130  
7140

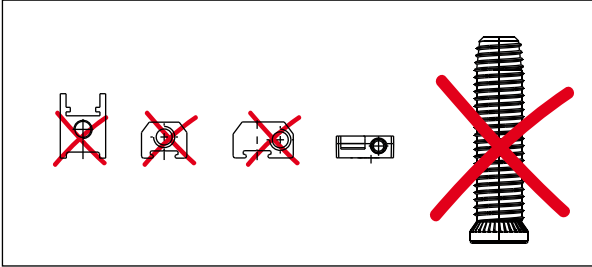
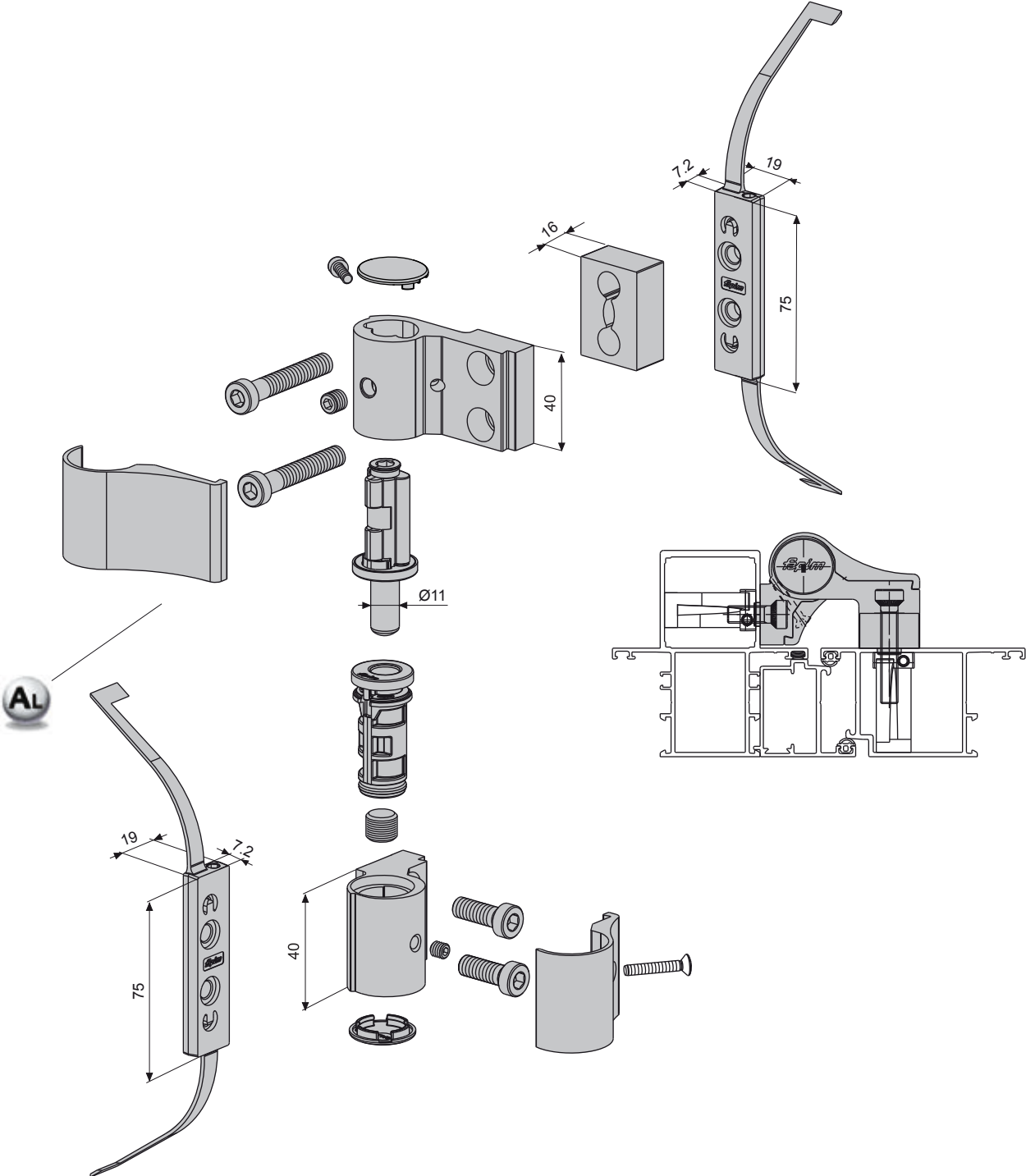


	L	B	
7130	60	40	12
7140	67	47	12

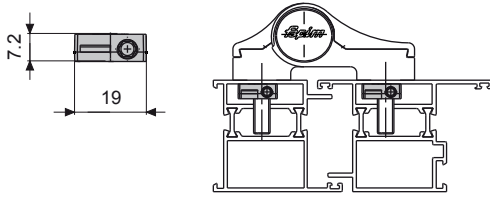




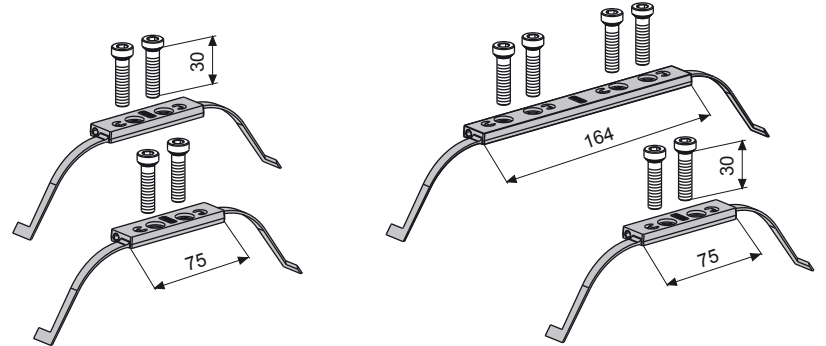
Cerniere di supporto per porte  
Supporting Hinges For Doors  
Charnières de soutien pour Portes  
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Dobradiças de apoio para Portas



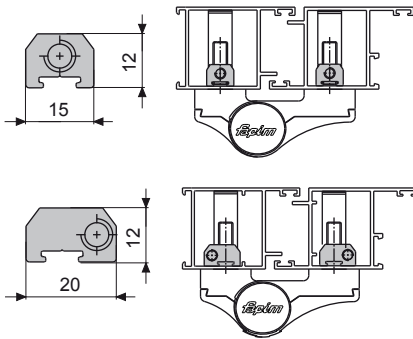
6620Ai  
6620N  
6620Ni  
6621Ai  
6621N  
6621Ni



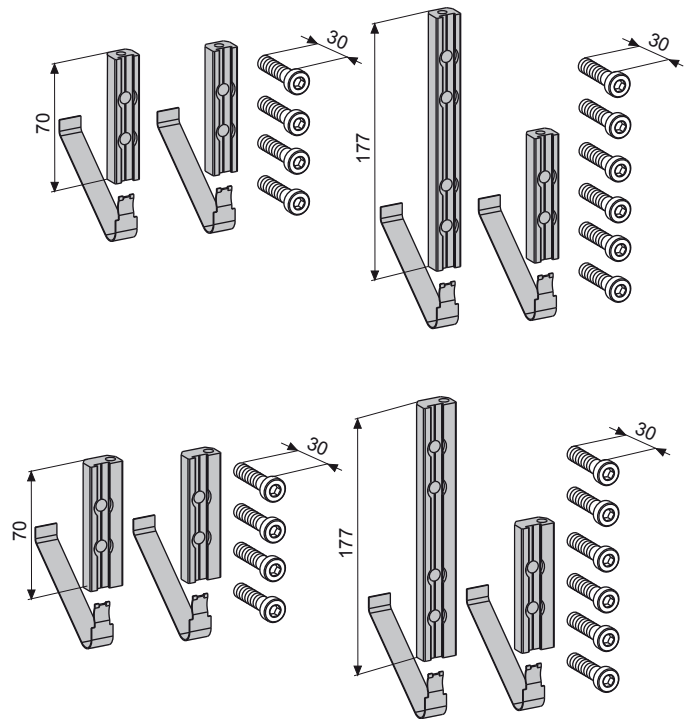
6620Ai	●	●		100
6620N	●			10
6620Ni	●			100
6621Ai	●			100
6621N	●			10
6621Ni	●			100



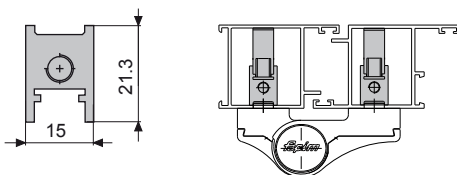
6623  
6624  
6625  
6626  
6665AMi  
6665BMi  
6665CMi  
6665DM



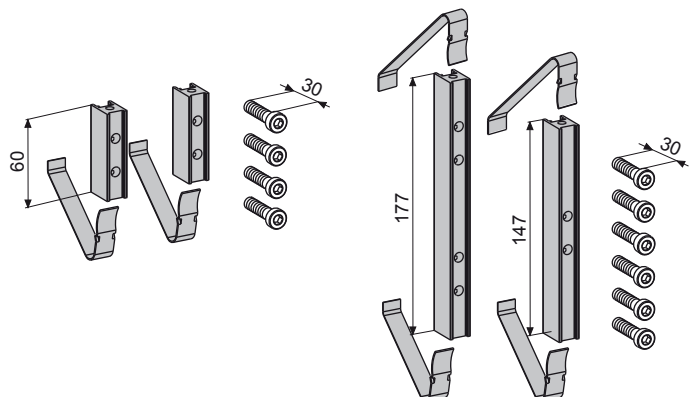
6623	●			10
6625	●			10
6665AMi	●			100
6665CM	●			10
6624	●			10
6626	●			10
6665BMi	●			100
6665DM	●			10



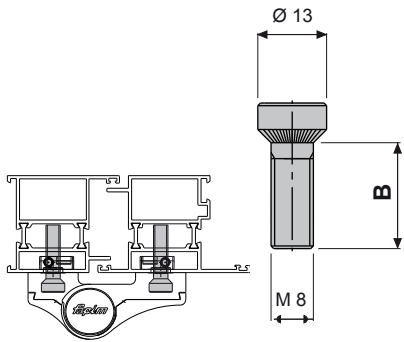
6633N  
6643N



6633N	●		10
6643N	●		10



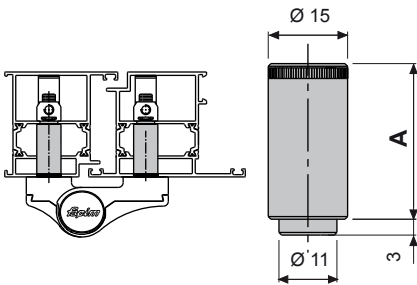
Cerniere di supporto per porte  
Supporting Hinges For Doors  
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		B		
6663A	20			50
6663Ai				500
6663B	30			50
6663Bi				500
6663C	45			50
6663Ci				500
6663D	60			50
6663Di				500



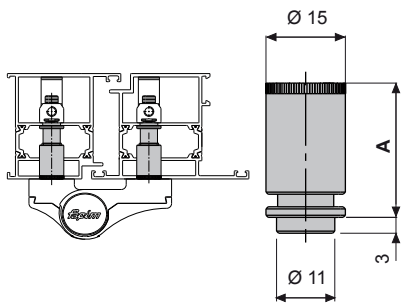
6663A  
6663Ai  
6663B  
6663Bi  
6663C  
6663Ci  
6663D  
6663Di



		A		
6679FA	29.4			50
6679FB	34.5			50



6679FA  
6679FB



		A		
6679	12-15			50
6679i				500
6680	15-18			50
6681				50
6681i	16.5-23			500
6682				50
6682i	23-35			500
6683				50
6683i	35-47			500

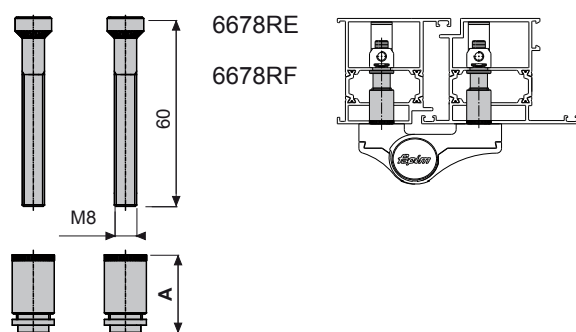
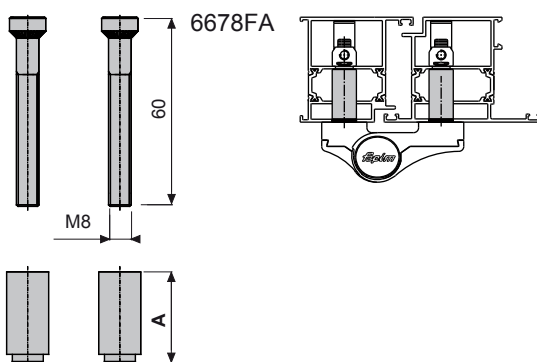


6679  
6679i  
6680  
6681  
6681i  
6682  
6682i  
6683  
6683i

		A		
6678FA	29.4			50
6678RE	23-35			20
6678RF	35-47			20




























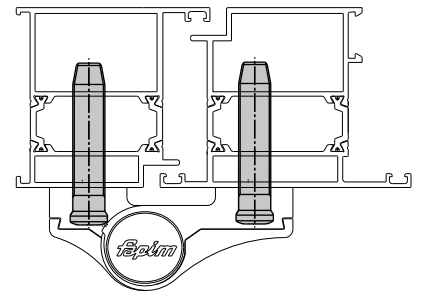
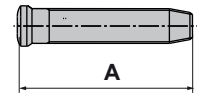
6678FA  
6678RE  
6678RF



6603A  
6603B  
6603i  
6603Xi  
6604A  
6604B  
6604i  
6604Xi  
6605A  
6605B  
6605i








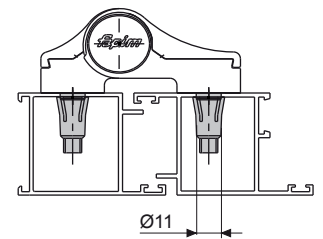
	A				
6603A	50				12
6603B	50				12
6603i	50				100
6603Xi	50				100
6604A	60				12
6604B	60				12
6604i	60				100
6604Xi	60				100
6605A	76				12
6605B	76				12
6605i	76				12



6655N  
6656N






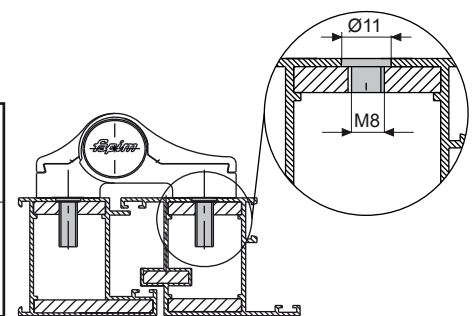
			
6655N			10
6656N			



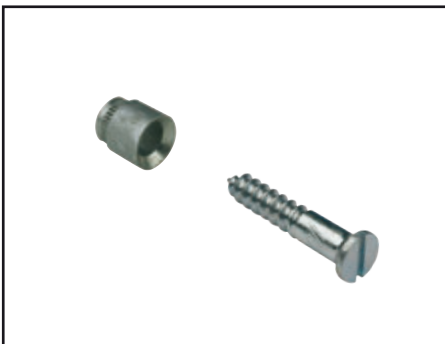
6661N








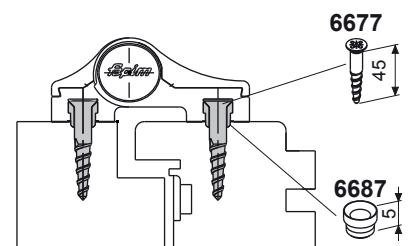
			
6661N			10



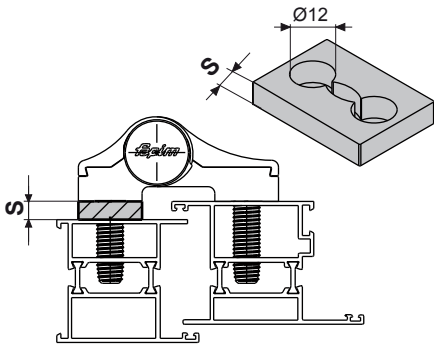
6677  
6687



			
6677			100
6687			



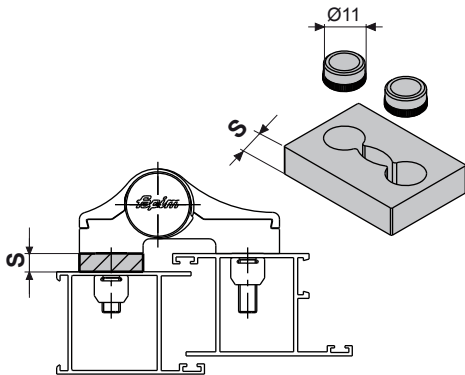
Cerniere di supporto per porte  
Supporting Hinges For Doors  
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Dobradiças de apoio para Portas



		S		
6607A	2	LOIRA+V	10	12
6607B	4			
6607C	5			
6607D	7			
6607E	8			
6607F	8.5			
6607G	10			
6607H	9			
6607T	16			



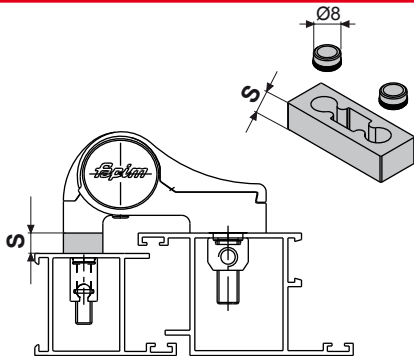
6607A  
6607B  
6607C  
6607D  
6607E  
6607F  
6607G  
6607H  
6607T



		S		
6666S2	2	LOIRA+	10	12
6666S4	4			
6666S5	5			
6666S7	7			
6666S8	8			
6666S85	8.5			
6666S9	9			
6666S10	10			
6666T	16			



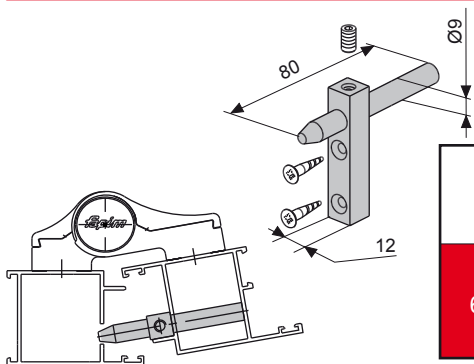
6666S2  
6666S4  
6666S5  
6666S7  
6666S8  
6666S85  
6666S9  
6666S10  
6666T



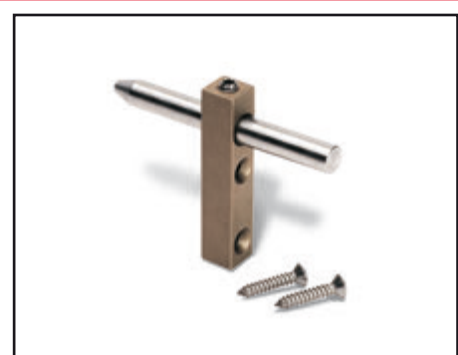
		S		
6669S4	4	LOIRA+TR	10	
6669S5	5			
6669S7	7			
6669S8	8			
6669S85	8.5			
6669S9	9			
6669S10	10			



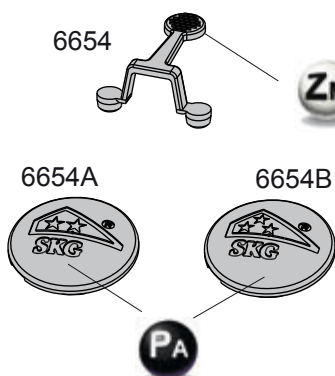
6669S4  
6669S5  
6669S7  
6669S8  
6669S85  
6669S9  
6669S10



6622			10
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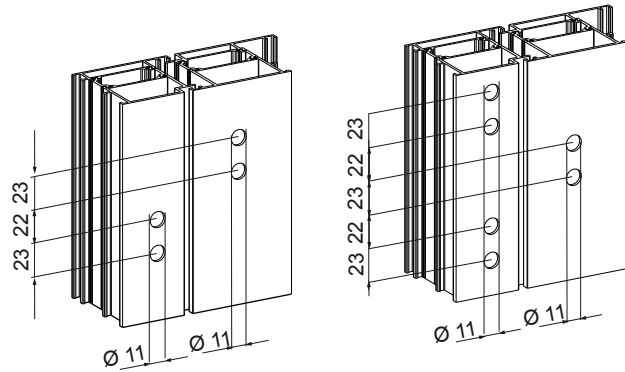
6622  
6854  
6654A  
6654B



6654	6654A 6654B	LOIRA+ LOIRA+V	50
6654A	6654		
6654B	6654		

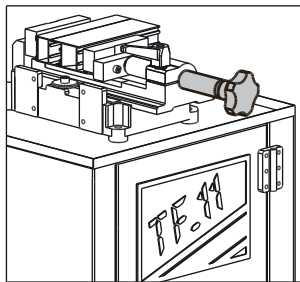


6885  
6885B  
6830  
6830A  
6834  
6837  
6838  
6842D  
6842E  
66825  
6825C

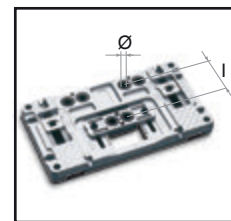
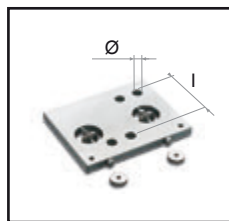
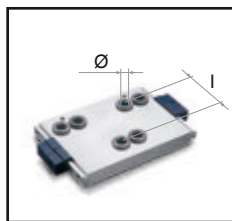
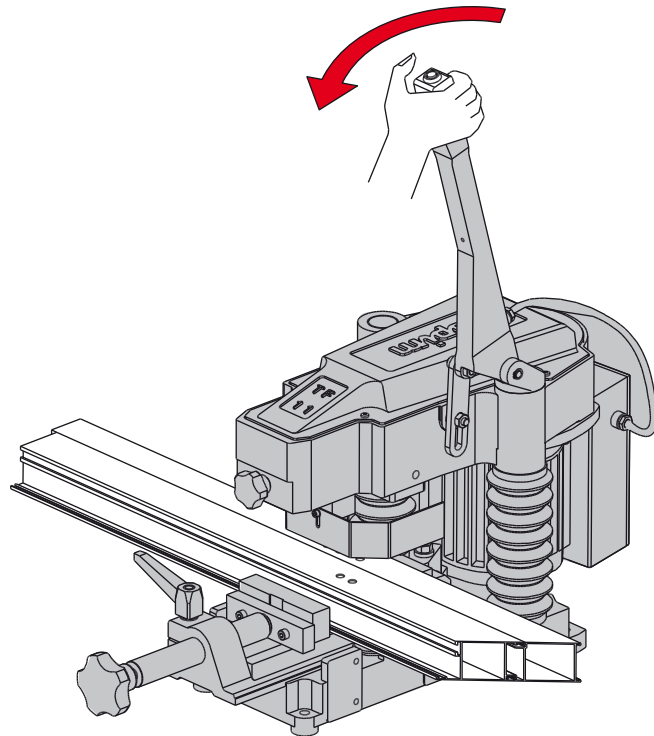
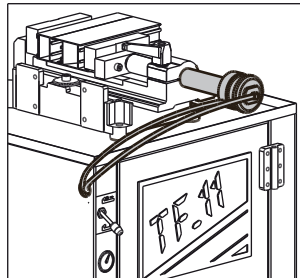


	l (mm)		
6885B	41-116	LOIRA+ LOIRA+V LOIRA+TR	1

6885



6885B

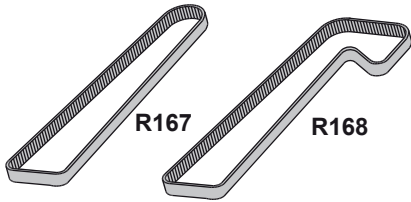


	l(mm)	Ø	
6830	41	11	1
6830A	53	11	1
6834	80	11	1
6837	99	11	1
6838	106	11	1

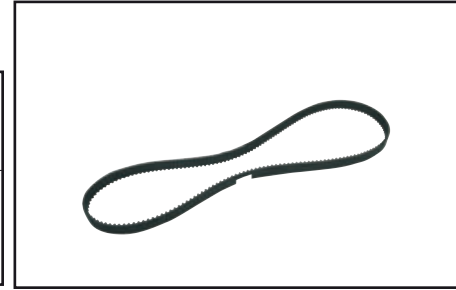
	l(mm)	Ø	
6842D	60	11	1
6842E	67	11	1

	l(mm)	Ø	
66825	53-60-67-79-86-93	11	1
6825C		15	

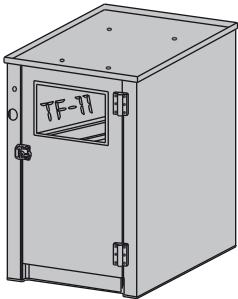
Cerniere di supporto per porte  
 Supporting Hinges For Doors  
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6885167	6885	LOIRA+ LOIRA+V LOIRA+TR	1
6885168			



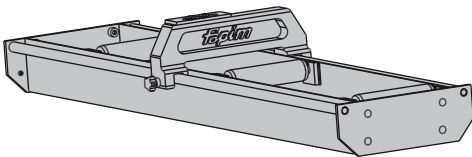
6885167  
6885168



6886	6885	LOIRA+ LOIRA+V LOIRA+TR	1
6886B	6885B		



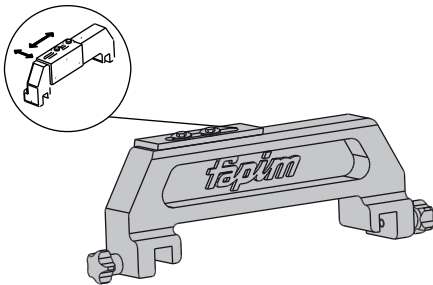
6886  
6886B



6886L	6885	LOIRA+ LOIRA+V LOIRA+TR	1



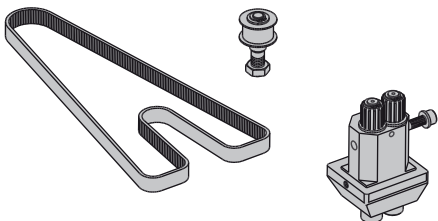
6886L



6887A		LOIRA+ LOIRA+V LOIRA+TR	1



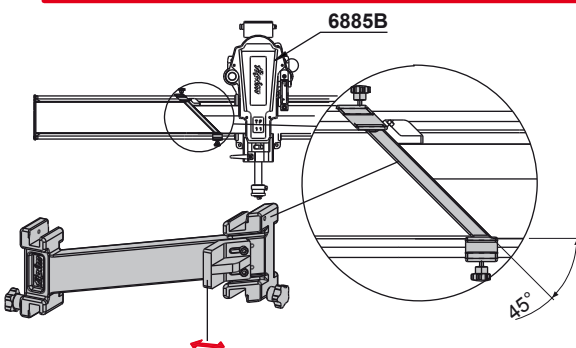
6887A



6887D		LOIRA+ LOIRA+V LOIRA+TR	1



6887D  
6887AB



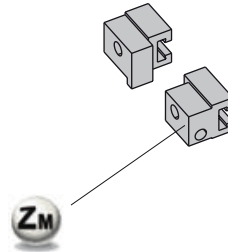
6887AB		LOIRA+ LOIRA+V LOIRA+TR	1



6839R



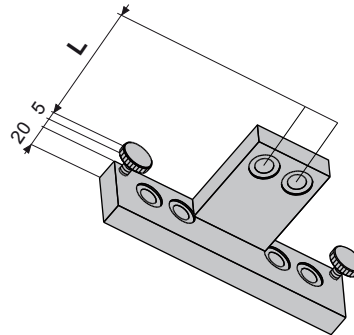
	Ø	l (mm)		
6839R	11	6830 6830A 6834 6837 6838	LOIRA+	2x10



6869A  
6869B

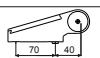
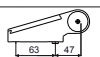


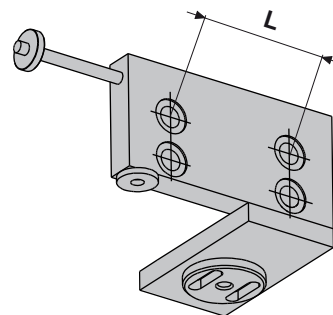
	L		
6869A	60	LOIRA+ + 6666T	1
6869B	67	LOIRA+V + 6607T	1



6870  
6871



	L		
6870	70	 6600	1
6871	63	 6601	1











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