


















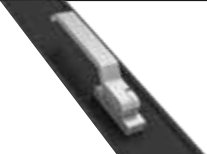
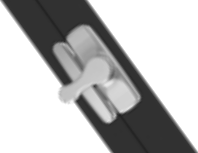

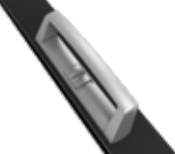



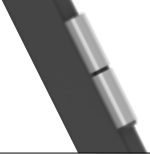



# STAC

CATÁLOGO GENERAL GENERAL CATALOGUE

**HERRAJE Y ACCESORIOS**  
HARDWARE & ACCESSORIES

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## LA EMPRESA THE COMPANY

STAC es una empresa especializada en soluciones para los cerramientos y fachadas de edificios. Durante más de 18 años los productos de STAC han sido seleccionados por arquitectos, promotores y constructores de todo el mundo gracias a su calidad, compromiso y garantía. Esta extensa cobertura geográfica ha enriquecido nuestra gama de producto.

La elección de productos STAC es sinónimo de diseño vanguardista, rendimiento óptimo y fiabilidad, que solo ofrecen empresas líderes en el mercado

### **FOCUSED ON YOUR FUTURE**

Este es nuestro lema. Queremos ser un compañero de trabajo real, intercambiando conocimientos en todo el mundo con arquitectos, ingenieros y fabricantes. Con una colaboración abierta y proactiva podemos alcanzar juntos las más altas cotas y obtener los mejores resultados en cualquier proyecto, grande o pequeño.

STAC is a company specialized in solutions for building enclosures and facades. For more than 18 years STAC products have been selected by architects, developers and builders all over the world for their quality, commitment and guarantee. This extensive geographical coverage has enriched our product range.

The choice of STAC products is synonymous with cutting-edge design, optimum performance and reliability, that only offer leading companies in the market.

### **FOCUSED ON YOUR FUTURE**

This is our motto. We want to be a real co-worker, exchanging knowledge worldwide with architects, engineers and manufacturers. With an open and proactive collaboration, together we can achieve the highest standards and obtain the best results in any project, big or small.



## COMPLEJO PRODUCTIVO STAC PADRÓN 50.000 m<sup>2</sup> STAC PADRÓN PRODUCTION COMPLEX 50.000 m<sup>2</sup>

**STAC** 1 & 2 Herraje y Accesorios  
Hardware & Accessories

**3** Lacados  
Lacquering

**4** Matricería  
Die-stamping

**STAC MID** 5 Perfiles de Poliamida y PVC  
Polyamide profiles y PVC

**STAC POL** 6 Juntas de Estanqueidad  
Watertight gaskets

**7** Almacén  
Warehouse



## COMPLEJO PRODUCTIVO STAC BIERZO 60.000 m<sup>2</sup> STAC BIERZO PRODUCTION COMPLEX 60.000 m<sup>2</sup>

**STAC BOND** Panel composite de aluminio  
Aluminium composite panel

**STAC COIL** Lacado de bobinas  
Coil coating

## STAC

### HERRAJE Y ACCESORIOS

Diseño y fabricación de toda la gama de herrajes y accesorios para sistemas de apertura de aluminio y PVC: Practicable, oscilobatiente, corredera, abatible y proyectante. Nuestra amplia gama de producto le garantiza soluciones de herraje de una misma fuente que combinan perfectamente entre sí.

### HARDWARE & ACCESSORIES

Design and manufacturing of the complete range of accessories for aluminium and PVC opening systems: tilt-turn, sliding casement and awning. Our wide product range enables us to supply hardware solutions for your product line from a single source.

## STAC MID

### PERFILES DE POLIAMIDA

Diseño y fabricación de perfiles de poliamida y PVC con una alta precisión y características mecánicas excepcionales para aplicación de perfiles de RPT. Producto con certificado ATG. Oficina técnica especializada, asesoramiento a clientes y estudios de transmitancia térmica.

### POLYAMIDE PROFILES

Design and manufacture of high precision polyamide & PVC profiles with exceptional mechanical characteristics for application to thermal break profiles. ATG product certification. We also offer a specialised technical office that advises clients and carries out thermal transmittance studies.

## STAC POL

### JUNTAS DE ESTANQUEIDAD

Diseño y fabricación de una amplia gama de juntas de alto rendimiento para ventanas y puertas de aluminio y PVC, juntas de estanqueidad en caucho (EPDM) y todo tipo de termoplásticos. Departamento técnico propio para asesoramiento a clientes. 8 líneas de fabricación automática y de última generación.

### SEALS & GASKETS

Design and manufacture of a complete range of high performance gaskets for aluminium & PVC windows and doors, rubber weather gaskets (EPDM) and all types of thermoplastics and thermoplastic rubber. Our own technical department for advising clients. 8 automatic, latest generation manufacturing lines.



## STAC BOND

### PANEL COMPOSITE

Marca líder en el mercado del panel composite en España, que desarrolla, produce y comercializa panel composite de aluminio y componentes estructurales específicos para la arquitectura. Toda su extensa gama de productos está certificada a nivel internacional.

### ALUMINIUM COMPOSITE PANEL

Leading brand in the composite panel market in Spain. Developing, producing and marketing aluminium composite panels and specific structural components for the architecture.

Its extensive range of products is internationally certified.

## STAC COIL

### PINTADO DE BOBINA

Pintado y procesado de bobina de metal para un amplio rango uso en productos para revestimientos y múltiples aplicaciones industriales. Nuestra completa línea de pintado en continuo ofrece una gran variedad de acabados de calidad y permite el pintado de bobina de gran formato.

### COIL COATING

Painting and processing of metal coils for a wide range of use in products for cladding and multiple industrial applications. Our complete continuous painting line offers a wide variety of quality finishes and allows the painting of large coil formats.

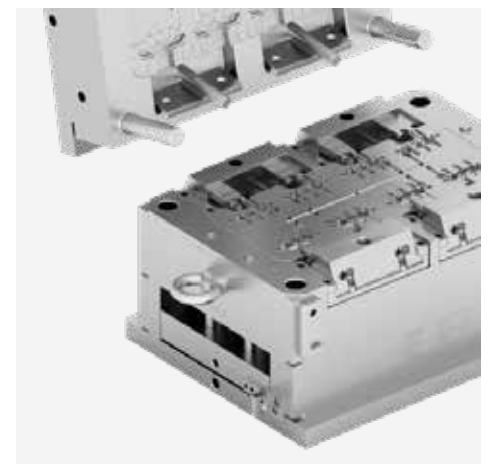
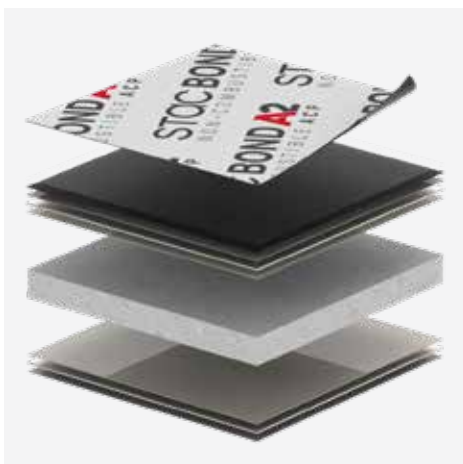
## STAC DIE PLANT

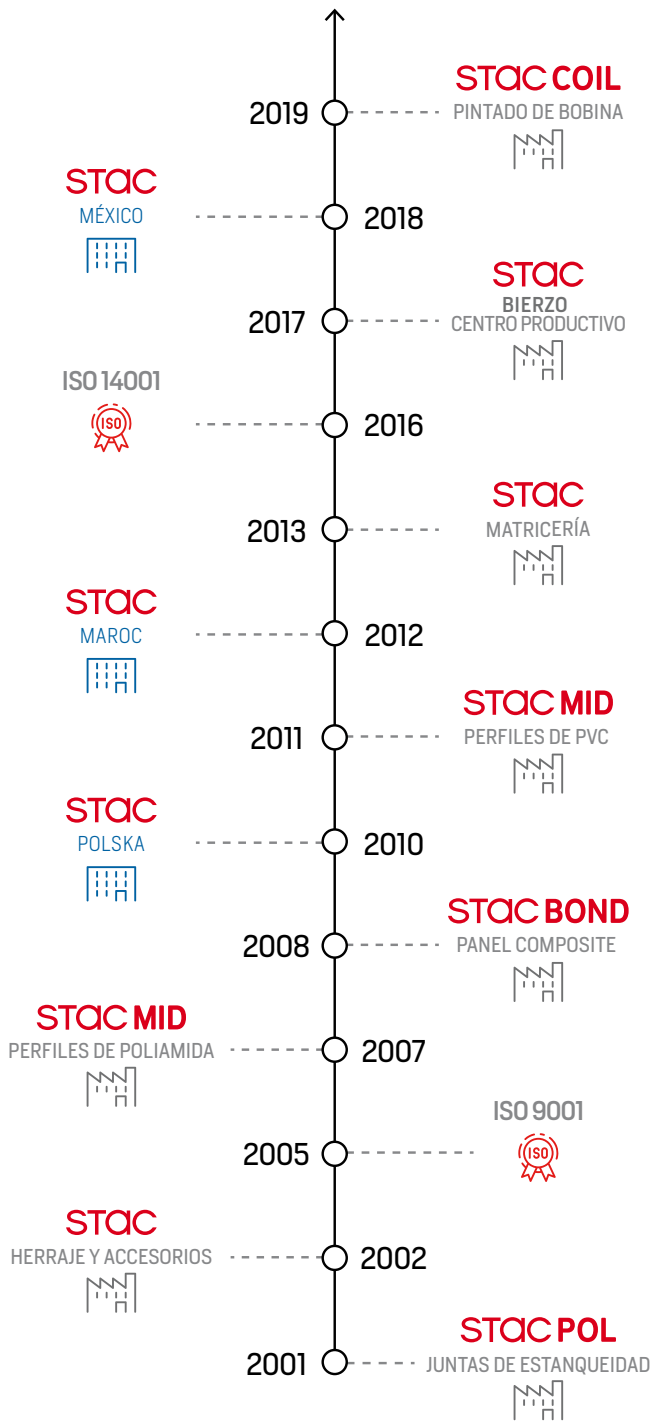
### MATRICERÍA Y MAQUINARIA

División de STAC con departamento técnico propio para el diseño y fabricación de todo tipo de utillajes productivos: matrices de extrusión, moldes, troqueles, etc. STAC Matricería fabrica únicamente utillajes para las diferentes divisiones de STAC, con el objetivo de dar a nuestros clientes el mejor plazo de entrega de sus productos con el menor coste de desarrollo.

### DIE PLANT

A STAC division with its own technical department for the design and fabrication of all types of production tools: extrusion dies, molds, die stamps, etc. The STAC Die Plant manufactures exclusively tools for the various STAC divisions with the object of giving our clients the best lead time for their products with the least development costs.





## 18 AÑOS JUNTOS

solucionando tus cerramientos

Desde su nacimiento en 2001, la empresa se mantiene en un proceso de crecimiento constante y continúa expansión hacia nuevos mercados.

En 2010 se abre la delegación de Polonia, STAC Polska, en 2012 en Marruecos, Systèmes Techniques y en 2018 STAC México y el nuevo centro productivo STAC Bierzo de 60.000m<sup>2</sup>.

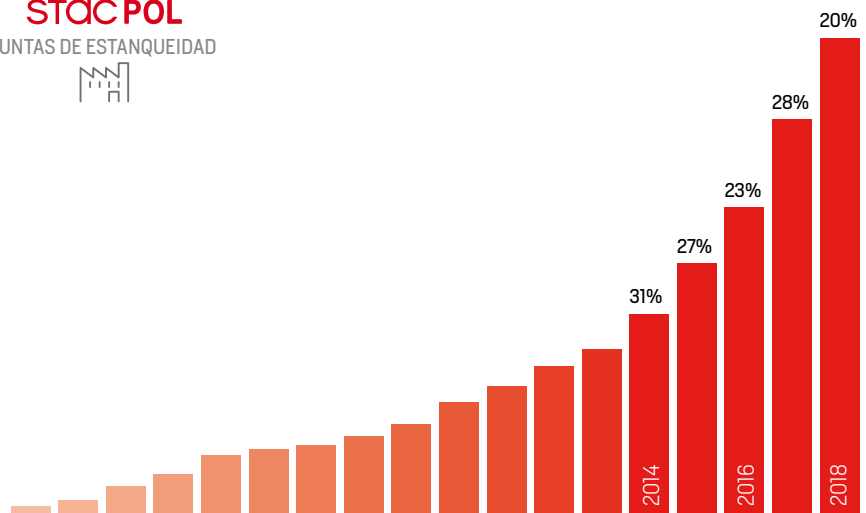
## 18 YEARS TOGETHER

solving your enclosures

Since its creation in 2001, the company has been in a process of constant growth and continues to expand into new markets.

In 2010 the delegation in Poland was opened STAC Polska and in 2012, Systèmes Technique, AC in Morocco, and by 2018 STAC Mexico and the new 60.000m<sup>2</sup> STAC Bierzo production centre.

EVOLUCIÓN VENTAS  
2001 - 2018  
SALES PERFORMANCE





# STAC

Diseño y fabricación de productos arquitectónicos  
Design & manufacture of architectural products



## ALCANCE

OUTREACH

**+58** países  
countries



## I+D+I

R+D+I

**+5** oficinas técnicas  
technical departments



## ESPECIALIZACIÓN

SPECIALIZATION

**+60** ingenieros  
engineers



## CRECIMIENTO

GROWTH

**+20%** anual  
annual



## INSTALACIONES

FACILITIES

**+110.000** m<sup>2</sup>



## CAPITAL HUMANO

HUMAN RESOURCES

**+470** empleados  
employees





## Diseño de moldes y utillajes Design of moulds and tooling

### MATRICERÍA

- Departamento de Ingeniería CAD-CAM para el diseño de utillajes y programación de máquinas
- 4 máquinas CNC EDM por hilo 5 ejes
- 2 máquinas CNC EDM por penetración 4 ejes
- 2 máquinas CNC EDM de taladrado
- 5 centros de mecanizado CNC alta velocidad para mecanizado de utillajes
- 1 Torno CNC de 5 ejes
- 2 rectificadoras
- 1 prensa de ajuste de moldes
- 1 fresadora CNC

### DIE PLANT

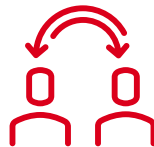
- Engineering Department CAD-CAM for the design of tools and machines
- 4 CNC EDM 5 axis electro-erosion machines
- 2 CNC EDM 4 axis penetration machines
- 2 drilling CNC EDM machines
- 5 CNC high speed machining centres for tool machining
- 1 CNC 5 axis lathe
- 2 rectifiers
- 1 mold adjustment press
- 1 CNC milling machine

**En STAC desarrollamos el molde para sus piezas, lo probamos y ajustamos hasta que la pieza a fabricar cumpla con su objetivo.**

At STAC we develop moulds for your components. We test and adjust each mould so that the finished product meets your objectives.



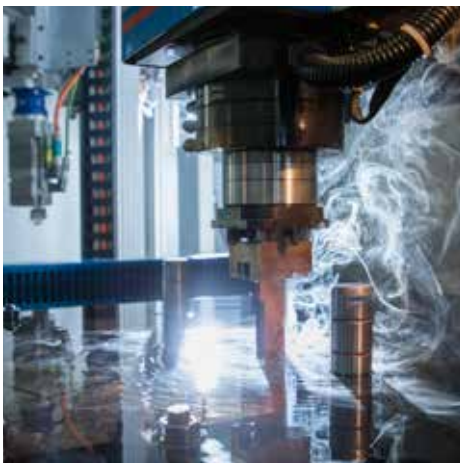
INGENIERÍA  
ENGINEERING



COLABORACIÓN EN EJECUCIÓN DE PROYECTOS  
COLLABORATION IN PROJECTS EXECUTION



SOLUCIONES PERSONALIZADAS  
CUSTOMIZED SOLUTIONS



## HERRAJE Y ACCESORIOS

Es la división especializada en la fabricación de herrajes y accesorios para el sector del aluminio. Dispone de 20.000 m<sup>2</sup> de instalaciones cubiertas y de la más moderna maquinaria que abarca todo el proceso productivo.

STAC crea los accesorios más innovadores para tus ventanas de aluminio y PVC. La calidad, la innovación y el diseño son las piedras angulares en las que se apoya nuestra empresa, los valores que desde siempre certifican el proyecto, la realización y la distribución de nuestros productos en el mundo.

- FABRICACIÓN DE 270.000 PIEZAS DE HERRAJE AL DÍA
- MÁS DE 15.000 REFERENCIAS EN STOCK
- PRODUCTION OF 270,000 HARDWARE PARTS PER DAY
- MORE THAN 15,000 REFERENCES IN STOCK

## HARDWARE & ACCESSORIES

This division specialises in the manufacture of Hardware and accessories for the aluminium sector, 20.000 m<sup>2</sup> of covered facilities and the most up to date machinery that can cope with all the production processes.

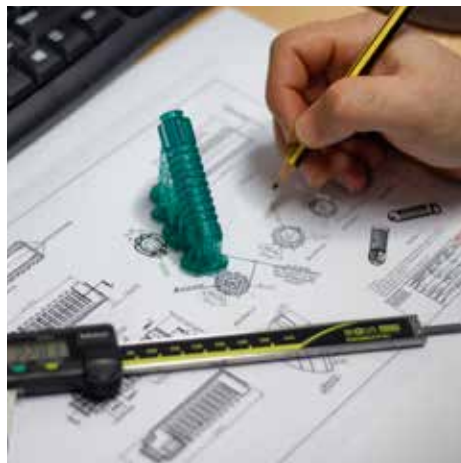
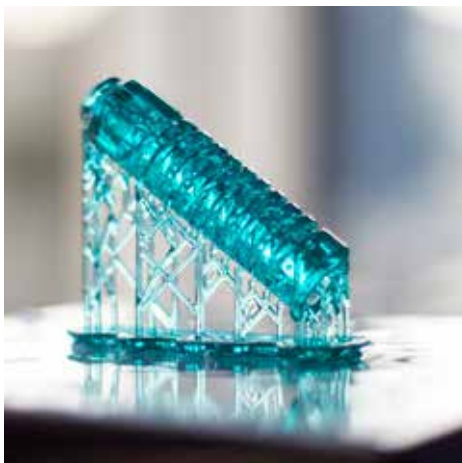
STAC creates the most innovative accessories for your aluminium and PVC windows. Quality, innovation and design are the cornerstones on which our company is based, the values that have always certified the project, the manufacture and distribution of our products throughout the world.

## PROCESOS

- ✓ INYECCIÓN:
  - PLÁSTICO
  - ALUMINIO
  - ZAMAK
- ✓ PRENSAS DE ESTAMPACIÓN DE ACERO
- ✓ PLANTA DE LACADOS
- ✓ CENTROS DE MECANIZADO
- ✓ TRONZADORAS DE CONTROL NUMÉRICO
- ✓ PLANTA DE ZINCADO
- ✓ PLANTA DE GRANALLADO Y VIBRADO
- ✓ CÉLULAS DE PULIDO ROBOTIZADAS

## PROCESSES

- ✓ INJECTION MOULDING:
  - PLASTIC
  - ALUMINIUM
  - ZAMAK
- ✓ DIE STAMPING
- ✓ POWDER COATING
- ✓ ALUMINIUM MACHINING
- ✓ THREADING
- ✓ POLISHING
- ✓ SHOT PEENING & VIBRATING
- ✓ ZINC PROCESSING PLANTS



SISTEMA OSCILOBATIENTE STAC DE CANAL EUROPEO y CANAL 16 mm según la norma EN 13126-8:2007

TESTS ON THE STAC TILT AND TURN MECHANISM FOR THE EUROGROOVE AND C16 GROOVE adhere to regulation EN:13126-8:2006.

### ENSAYO DE DURABILIDAD

#### 1. Ciclos oscilobatientes

15.000 ciclos totales que consisten en:

- 15.000 maniobras en el sentido oscilante.
- 15.000 maniobras de cierre.
- 15.000 maniobras en el sentido batiente.
- 15.000 maniobras de cierre.

#### 2. Ciclos batientes con apertura de 90°

Se realizan un total de 5.000 ciclos de apertura batiente, consistentes en la apertura a 90° y cierre de la hoja en cada ciclo.

### TESTING ON DURABILITY

#### 1. Series of oscillating tests

A total of 15.000 tests were run on:

- 15.000 mobility tests in the opposite direction.
- 15.000 tests on the locking mechanisms.
- 15.000 casement tests.
- 15.000 tests on the closing mechanism.

#### 2. Casement tests on the 90° aperture

A total of 5.000 casement tests, consistent with 90° aperture and shutting in each test.



### ENSAYO DE CARGA ADICIONAL DE 1000N

Consiste en aplicar una carga adicional de 1000N (100Kg) a la hoja abierta a 90° y mantenerla durante 5 minutos.

En total, 220 Kg

### TEST ON THE ADDITIONAL LOAD 1000N

Consists of an additional load of 1000N (100 Kg) on the opened sash at 90° and maintain it for approximately five minutes.

In total, 220 Kg

### ENSAYO DE OBSTÁCULO EXTERIOR

Se coloca un obstáculo a una determinada distancia exterior del marco, simulando una pared o columna, y se realiza una apertura acelerada de la hoja que colisionará con el obstáculo. Este ensayo se ejecuta 3 veces.

### EXTERNAL OBSTACLE TEST

An obstacle is externally placed a fixed distance away from the frame, simulating a wall or a column, then an accelerated sash aperture is carried out to collide against the obstacle. This test is performed three times.



### ENSAYO DE OBSTÁCULO INTERIOR

Se coloca un obstáculo a una determinada distancia de las bisagras, entre el marco y la hoja, y se realiza un cierre acelerado de la hoja que colisionará con el obstáculo.

Este ensayo se ejecuta 3 veces.

### INTERNAL OBJECT TEST

An obstacle is placed at a fixed distance from the hinges, between the frame and the sash, then an accelerated closure of the vent is carried out to collide against the obstacle. This test is performed 3 times.

### RESISTENCIA A LA CORROSIÓN

(SEGÚN NORMA UNE-EN 1670:1999)

El herraje se introduce en una cámara de niebla salina y permanece durante 240 horas.

### CORROSION RESISTANCE

(ADHERING TO REGULATION UNE-EN 1670:1999)

Hardware is introduced into a salt spray (mist) chamber for approximately 240 hours.



LABORATORIO  
PARA TEST DE PRODUCTOS

LABORATORY  
FOR PRODUCT TEST



ISO 9001 – ISO 14001




We are certified by Bureau Veritas both in design and manufacture of all our products.

ISO 9001 – ISO 14001

Estamos certificados por Bureau Veritas tanto en diseño como en fabricación de todos nuestros productos.





-  Production complex / headquarters: STAC Spain
-  Delegations: Poland, Morocco, Mexico
-  Distributors

## CONTACT US FOR ANY ENQUIRIES

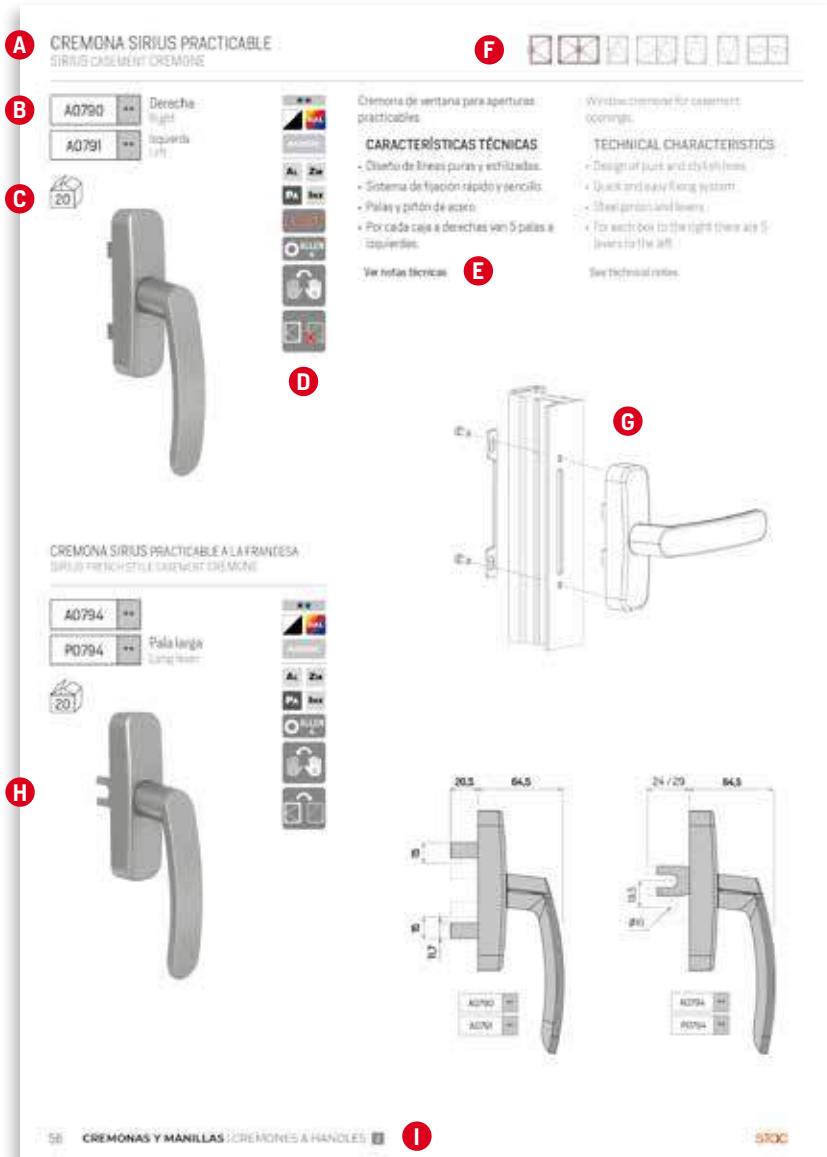
The STAC group has numerous distributors around Europe, north of Africa, Middle East and South America in order to give our customers immediate access to all our products.

STAC provides a qualified technical and commercial department for any query, please contact us at [comercial@stac.es](mailto:comercial@stac.es) We will look for a solution that suits your needs.

## CONTÁCTENOS PARA CUALQUIER CONSULTA

El grupo STAC cuenta con numerosos distribuidores en Europa, Norte de África, Medio Este y América del Sur con el fin de dar a nuestros clientes un acceso inmediato a todos nuestros productos.

STAC pone a su disposición un cualificado departamento técnico y comercial para cualquier consulta, por favor contacte con [comercial@stac.es](mailto:comercial@stac.es) Buscaremos una solución que se adapte a sus necesidades.



**ESQUEMA DE PÁGINA**  
PAGE DIAGRAM

- A** **Nombre del producto**  
Product name

---

- \* **B** **Referencia del producto**  
Product reference

---

- \* **C** **Unidades por embalaje**  
Units per packing

---

- \* **D** **Acabados, materiales y otras especificaciones**  
Finishes, materials and other specifications

---

- E** **Características técnicas principales del producto**  
Main technical characteristics of the product

---

- F** **Tipos de apertura válidas para el producto**  
Valid opening types for the product

---

- G** **Esquemas del producto**  
Product diagrams

---

- H** **Producto de características similares al principal**  
Product with similar characteristics to the main one

---

- I** **Capítulo**  
Chapter

\* **Más información en el índice de iconos**  
\* More information in the icon index

**CONSIDERACIONES IMPORTANTES**   
IMPORTANT CONSIDERATIONS

The information in this catalogue is for reference only and is subject to modification.

STAC® is not responsible for the use of the information herein; it is meant for trained technical persons and its use their responsibility.

STAC® products have specialized documentation so if you need more information do not hesitate to request it.

STAC® will not be responsible for any error in the printing of this catalogue.

La información contenida en este catálogo tiene carácter orientativo y puede sufrir cambios.

STAC® no se hace responsable de su uso que, en todo caso, está dirigido a personas con formación técnica, quedando sujeto a su responsabilidad y criterio.

Los productos de STAC® disponen de documentación especializada por lo que si necesita más información no dude en solicitarla.

STAC® no se hace responsable de cualquier error en la impresión de este catálogo.

# REFERENCIA DE PRODUCTO

## PRODUCT REFERENCE

|      |   |    |   |
|------|---|----|---|
| A012 | D | ** | R |
|      | I |    |   |

### GENERACIÓN DE REFERENCIA

#### REFERENCE GENERATION







|             |   |
|-------------|---|
| <b>A012</b> | <b>Raíz de la referencia del producto</b><br>Product reference root |
| <b>D</b>    | <b>Mano derecha</b><br>Right hand                                   |
| <b>I</b>    | <b>Mano izquierda</b><br>Left hand                                  |
| <b>**</b>   | <b>Acabados</b><br>Finishes   |
| <b>R</b>    | <b>Regulable</b><br>Adjustable                                      |

En estas casillas pueden aparecer otros dígitos a mayores para completar la REFERENCIA DEL PRODUCTO

In these columns other additional digits can appear in order to complete the PRODUCT REFERENCE

### \*\* ACABADOS

#### \*\* FINISHES

|   |           |   |
|---|-----------|---|
|      | <b>00</b> | <b>Crudo o sin acabado</b><br>Plain or unfinished           |
|      | <b>01</b> | <b>Lacado blanco</b><br>Powder coated white                 |
|   | <b>02</b> | <b>Lacado negro</b><br>Powder coated black                  |
| *    | <b>16</b> | <b>PVD INOX</b><br>Stainless steel PVD                      |
|   | <b>17</b> | <b>PVD ORO</b><br>Gold PVD                                  |
| *  |           | <b>Anodizado NATURAL mate</b><br>NATURAL matt anodised      |
|   | <b>81</b> | <b>Anodizado INOX mate</b><br>STAINLESS STEEL matt anodised |
|   |           | <b>Anodizado oro mate</b><br>GOLD matt anodised             |
|    | <b>91</b> | <b>Especial 01</b><br>Special 01                            |
|   | <b>92</b> | <b>Especial 02</b><br>Special 02                            |
|   | <b>93</b> | <b>Especial 03</b><br>Special 03                            |
| *  | <b>94</b> | <b>Pintura líquida</b><br>Liquid paint                      |

\* Estos acabados no están en stock. Consulte disponibilidad y fecha de entrega con el Departamento Comercial de STAC.

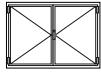
\* These finishes are not in stock. Check availability and delivery date with the STAC Commercial Department.



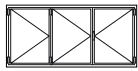
**APERTURAS DE VENTANA**  
WINDOW OPENINGS



**PRACTICABLE 1 HOJA**  
CASEMENT SINGLE SASH



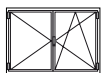
**PRACTICABLE 2 HOJAS**  
CASEMENT DOUBLE SASH



**PRACTICABLE 3 O MÁS HOJAS**  
CASEMENT 3 OR MORE SASHES



**OSCILOBATIENTE 1 HOJA**  
TILT & TURN SINGLE SASH



**PRACTICABLE - OSCILOBATIENTE**  
CASEMENT - TILT & TURN



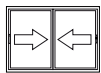
**ABATIBLE**  
BOTTOM-HUNG



**PROYECTANTE**  
TOP-HUNG



**PROYECTANTE DESLIZANTE**  
SLIDING TOP-HUNG

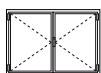


**CORREDERA**  
SLIDING WINDOW



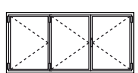
EXT.

**APERTURA EXTERIOR 1 HOJA**  
OUTWARD OPENING SINGLE SASH



EXT.

**APERTURA EXTERIOR 2 HOJAS**  
OUTWARD OPENING DOUBLE SASH



EXT.

**APERTURA EXTERIOR 3 O MÁS HOJAS**  
OUTWARD OPENING 3 OR MORE SASHES



**PRACTICABLE 1 HOJA POLIGONAL**  
CASEMENT POLYGONAL SINGLE SASH



EXT.

**APERTURA EXTERIOR 1 HOJA POLIGONAL**  
OUTWARD OPENING POLYGONAL SINGLE SASH



**CONTRAVENTANA 1 HOJA**  
WINDOW SHUTTER 1 SASH



**CONTRAVENTANA 2 HOJAS**  
WINDOW SHUTTER 2 SASHES

**APERTURAS DE PUERTA**  
DOOR OPENINGS



**PUERTA 1 HOJA**  
SINGLE SASH DOOR



**PUERTA 2 HOJAS**  
DOUBLE SASH DOOR



**ELEVABLE**  
LIFT & SLIDE

**MATERIALES**  
MATERIALS

**AL**

**ALUMINIO**  
ALUMINIUM

**Zm**

**ZAMAK**  
ZAMAK

**Ac**

**ACERO**  
STEEL

**INX**

**ACERO INOXIDABLE**  
STAINLESS STEEL

**FE**

**HIERRO**  
IRON

**PA**

**POLIAMIDA**  
POLYAMIDE

**POM**

**ACETAL**  
ACETAL

**PE**

**POLIETILENO**  
POLYETHYLENE

**PVC**

**PVC**  
PVC

**PP**

**POLIPROPILENO**  
POLYPROPYLENE

**EMBALAJES**  
PACKING



**UNIDADES POR CAJA**  
UNITS PER BOX



CÁNULA

**UNIDADES POR CÁNULA**  
UNITS PER TUBE



**BOBINAS DE 200 m**  
200 m REELS

**HERRAMIENTAS NECESARIAS**  
REQUIRED TOOLS



**LLAVE ALLEN DE 2,5 mm**  
2,5 mm ALLEN KEY



**LLAVE ALLEN DE 3 mm**  
3 mm ALLEN KEY



**LLAVE ALLEN DE 4 mm**  
4 mm ALLEN KEY



**LLAVE ALLEN DE 6 mm**  
6 mm ALLEN KEY



**LLAVE TORX T30**  
TORX T30 KEY



**PROD. CON TORNILLOS PHILLIPS 2**  
PRODUCT WITH PHILLIPS 2 SCREWS



**PROD. CON CUADRADILLO 7 mm**  
PRODUCT WITH 7 mm SPINDLE



**PROD. CON CUADRADILLO 8 mm**  
PRODUCT WITH 8 mm SPINDLE

### CARACTERÍSTICAS DEL PRODUCTO

#### PRODUCT CHARACTERISTICS



**REGULACIÓN EN LAS 3 DIMENSIONES**  
3D ADJUSTMENT



**SÓLO VÁLIDO PARA APERTURAS A DERECHAS**  
ONLY VALID FOR RIGHT OPENINGS



**SÓLO VÁLIDO PARA APERTURAS A IZQUIERDAS**  
ONLY VALID FOR LEFT OPENINGS



**PRE-MONTADO A DERECHAS E INTERCAMBIABLE A IZQUIERDAS**  
PRE-ASSEMBLED FOR RIGHT HAND AND INTERCHANGEABLE TO THE LEFT



**PRE-MONTADO A IZQUIERDAS E INTERCAMBIABLE A DERECHAS**  
PRE-ASSEMBLED FOR LEFT HAND AND INTERCHANGEABLE TO THE RIGHT



**AMBIDIESTRO**  
AMBIDEXTROUS



**AMBIDIESTRO PERO SE SUMINISTRA SIN MONTAR**  
AMBIDEXTROUS BUT SUPPLIED UNMOUNTED



**VÁLIDO PARA APERTURAS OSCILOBATIENTES**  
VALID FOR TILT & TURN OPENINGS



**VÁLIDO PARA APERTURAS PRACTICABLES**  
VALID FOR CASEMENT OPENINGS



**VÁLIDO PARA PRACTICABLE E INTERCAMBIABLE A OSCILOBATIENTE**  
VALID FOR CASEMENT AND INTERCHANGEABLE TO TILT & TURN



**VÁLIDO PARA OSCILOBATIENTES E INTERCAMBIABLE A PRACTICABLE**  
VALID FOR TILT & TURN AND INTERCHANGEABLE TO CASEMENT



**VÁLIDO PARA APERTURAS OSCILOBATIENTES Y PRACTICABLES**  
VALID FOR TILT & TURN AND CASEMENT OPENINGS



**VÁLIDO PARA PROYECTANTE E INTERCAMBIABLE A OSCILOBATIENTE**  
VALID FOR TOP-HUNG OPENINGS AND INTERCHANGEABLE TO TILT & TURN



**VÁLIDO PARA OSCILOBATIENTE E INTERCAMBIABLE A PROYECTANTE**  
VALID FOR TILT & TURN OPENINGS AND INTERCHANGEABLE TO TOP-HUNG



**CANAL EUROPEO**  
EURO GROOVE



**CANAL 16**  
16 GROOVE



**CANAL CENTRADO**  
CENTRAL GROOVE



**OSCILOBATIENTE CIERRE AL INVERSOR**  
TILT & TURN LOCKING TO INVERTER



**OSCILOBATIENTE CIERRE AL MARCO**  
TILT & TURN LOCKING TO FRAME



**OSCILOBATIENTE MANIOBRA LÓGICA**  
TILT-BEFORE-TURN



**MICROVENTILACIÓN**  
MICRO VENTILATION

Posibilidad de pedir el producto con el sistema de fijación rápida FAST incorporado (ver instrucciones en la sección de Cremonas, en el apartado "Notas Técnicas").

Para pedir referencias con sistema FAST debe añadirse una "F" antes del acabado (únicamente en aquellos productos en los que esté indicada esta posibilidad).



Possibility of ordering the product with the incorporated FAST rapid fixing system (see instructions in the cremona section in "Technical Notes").

To order references with the FAST system, you must add an "F" before the finish (only for those products where this possibility is indicated).

|     |   |    |
|-----|---|----|
| 079 | F | ** |
|-----|---|----|

**TROQUELADORAS DE FALLEBAS**

OPERATING ROD PUNCH TOOLS



**PRODUCTO VÁLIDO PARA TFS-01**  
PRODUCT VALID FOR TFS-01



**PRODUCTO VÁLIDO PARA TFS-02**  
PRODUCT VALID FOR TFS-02



**PRODUCTO VÁLIDO PARA TFS-04**  
PRODUCT VALID FOR TFS-04



**PRODUCTO VÁLIDO PARA TFS-05**  
PRODUCT VALID FOR TFS-05



**PRODUCTO VÁLIDO PARA TFS-06**  
PRODUCT VALID FOR TFS-06



**PRODUCTO VÁLIDO PARA TFS-08**  
PRODUCT VALID FOR TFS-08

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# Bisagras Hinges

**Bisagras ACRUX**

ACRUX hinges

**Bisagras ARIES**

ARIES hinges

**Bisagras TAURUS**

TAURUS hinges

**Bisagras HÉRCULES**

HERCULES hinges

**Bisagras CARINA**

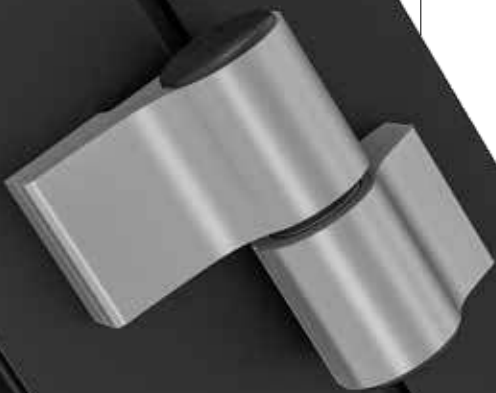
CARINA hinges

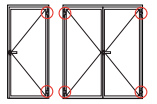
**Bisagras NORMA**

NORMA hinges

**Bisagras 40 / 20**

40 / 20 hinges





|     |   |    |
|-----|---|----|
| 010 | D | ** |
|     | I |    |



Bisagra regulable para perfiles de puerta de Canal Europeo.

Adjustable hinge for Euro Groove door profiles.

**CARACTERÍSTICAS TÉCNICAS**

- Regulación lateral de hasta  $\pm 1,2$  mm.
- Regulación vertical de hasta  $\pm 3$  mm con la referencia STC-MC-0011.
- Materiales plásticos anti-desgaste.
- Carga máxima con 2 bisagras: 100 kg.
- Carga máxima con 3 bisagras: 120 kg.

**TECHNICAL CHARACTERISTICS**

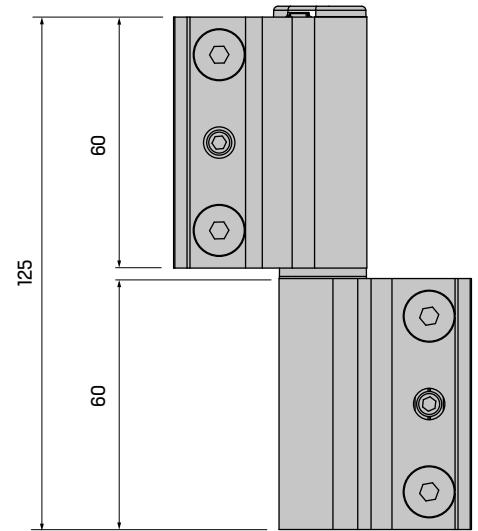
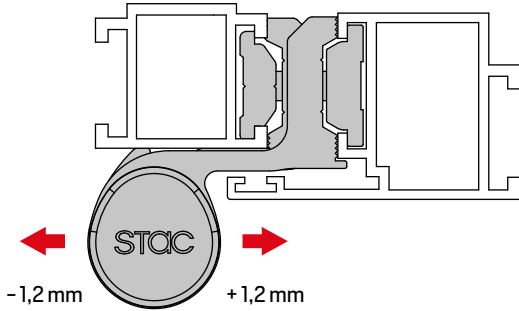
- Lateral adjustment up to  $\pm 1,2$  mm.
- Vertical adjustment up to  $\pm 3$  mm with reference STC-MC-0011.
- Anti-wear plastic materials.
- Maximum load with 2 hinges: 100 kg.
- Maximum load with 3 hinges: 120 kg.

Ver ficha técnica

See technical data sheet

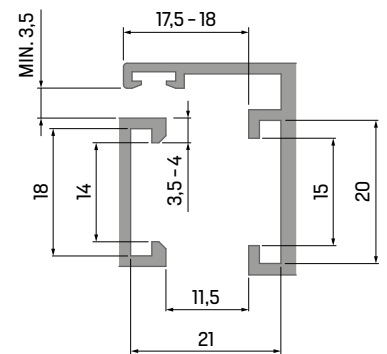
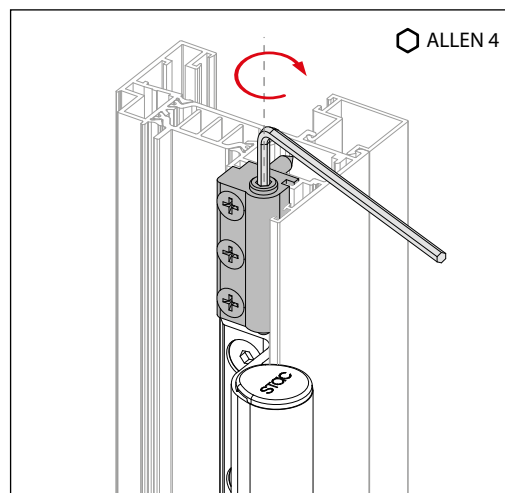
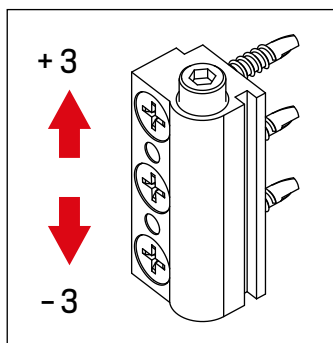
\* Disponible ACRUX C16 para perfiles con canal de 16 mm. Ver página 312.

\* Available ACRUX C16 for profiles with 16 mm groove. See page 312.

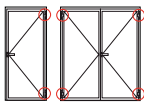


**KIT DE REGULACIÓN VERTICAL**  
VERTICAL ADJUSTMENT KIT

|             |  |  |
|-------------|--|--|
| STC-MC-0011 |  |  |
|-------------|--|--|



CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)



Adjustable hinge for Euro Groove door profiles.

**TECHNICAL CHARACTERISTICS**

- Recommended for more demanding applications: high frequency of use, limit dimensions, etc.
- Valid for inward and outward openings.
- Lateral adjustment up to  $\pm 1,2$  mm.
- Vertical adjustment up to  $\pm 3$  mm adding the reference STC-MC-0011.
- Anti-wear plastic materials.
- Maximum load with 2 hinges: 120 kg.
- Maximum load with 3 hinges: 150 kg.

See technical data sheet

Bisagra regulable para perfiles de puerta de Canal Europeo.

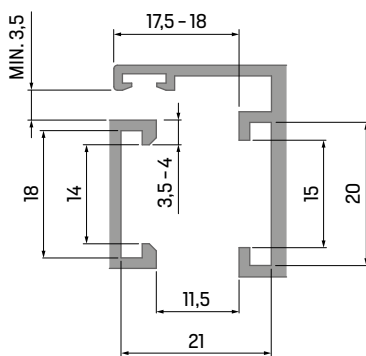
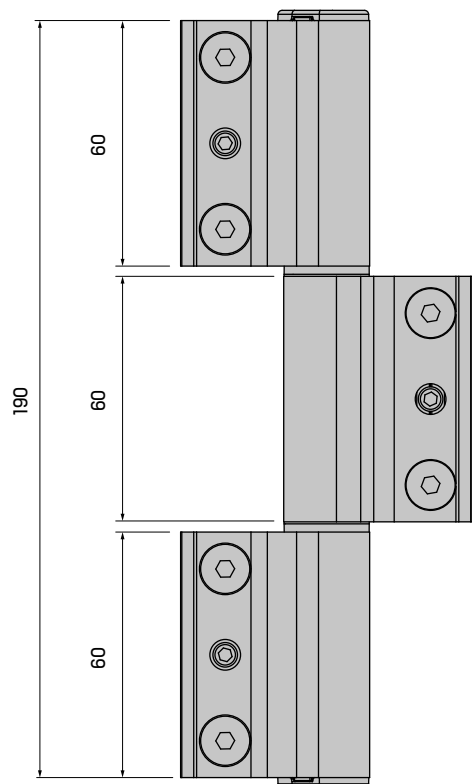
**CARACTERÍSTICAS TÉCNICAS**

- Recomendada para aplicaciones más exigentes: alta frecuencia de uso, dimensiones límite, etc.
- Válida tanto para aperturas interiores como exteriores.
- Regulación lateral de hasta  $\pm 1,2$  mm.
- Regulación vertical de hasta  $\pm 3$  mm añadiendo la referencia STC-MC-0011.
- Materiales plásticos anti-desgaste.
- Carga máxima con 2 bisagras: 120 kg.
- Carga máxima con 3 bisagras: 150 kg.

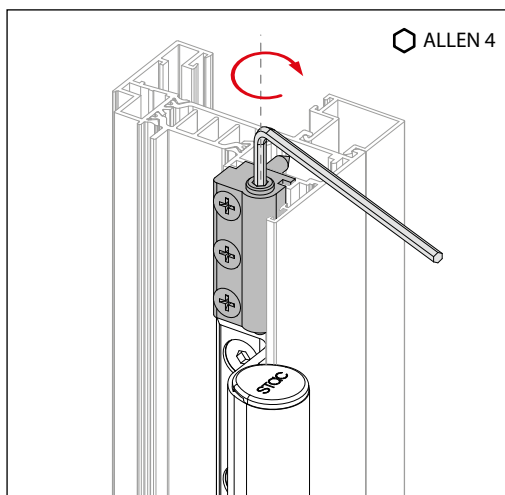
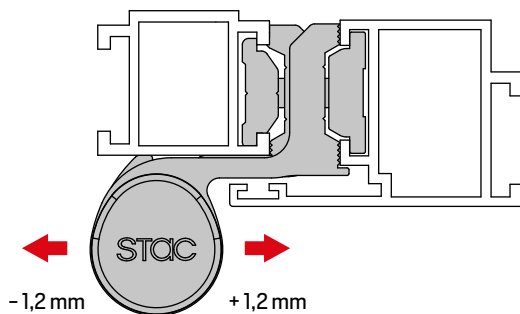
Ver ficha técnica

\*\*  
 RAL  
 ANODIC  
**CE**  
 AL Inx  
 POM  
 ALLEN 3  
 ALLEN 6  
 TORX T30

|      |   |    |
|------|---|----|
| P010 | D | ** |
|------|---|----|

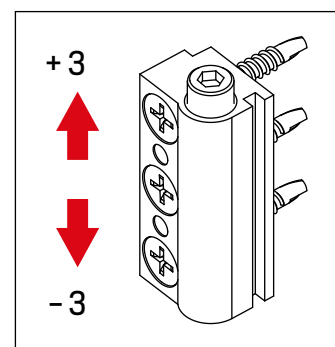


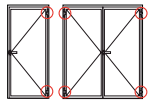
CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)



**KIT DE REGULACIÓN VERTICAL**  
VERTICAL ADJUSTMENT KIT

|             |  |    |
|-------------|--|----|
| STC-MC-0011 |  | 20 |
|-------------|--|----|





|     |   |    |
|-----|---|----|
| 030 | D | ** |
|     | I |    |



- \*\*
- RAL
- ANODIC
- CD
- AL INX
- POM
- ALLEN 3
- ALLEN 6
- TORX T30
- Hand icon with red X
- Hand icon with red X

Bisagra regulable para perfiles de puerta de Canal Centrado.

Adjustable hinge for Central Groove door profiles.

**CARACTERÍSTICAS TÉCNICAS**

- Regulación lateral de hasta  $\pm 1,2$  mm.
- Regulación vertical de hasta  $\pm 3$  mm con la referencia STC-MC-0011.
- Materiales plásticos anti-desgaste.
- Carga máxima con 2 bisagras: 100 kg.
- Carga máxima con 3 bisagras: 120 kg.

**TECHNICAL CHARACTERISTICS**

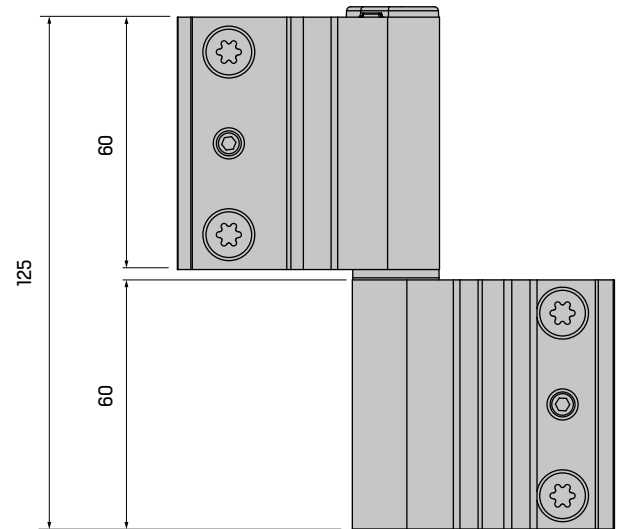
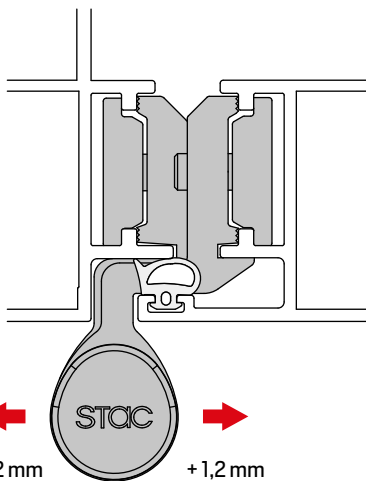
- Lateral adjustment up to  $\pm 1,2$  mm.
- Vertical adjustment up to  $\pm 3$  mm with reference STC-MC-0011.
- Anti-wear plastic materials.
- Maximum load with 2 hinges: 100 kg.
- Maximum load with 3 hinges: 120 kg.

Ver ficha técnica

See technical data sheet

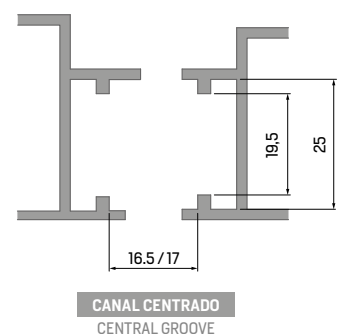
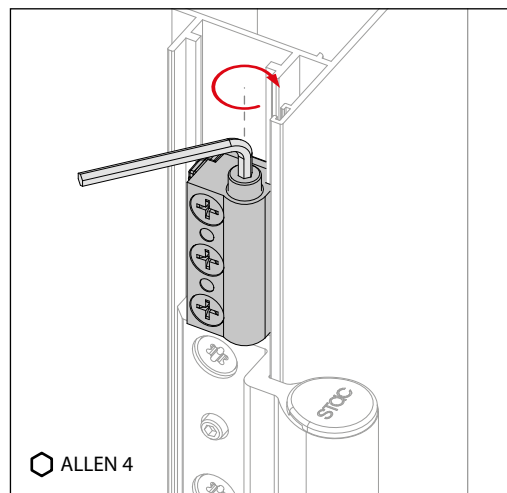
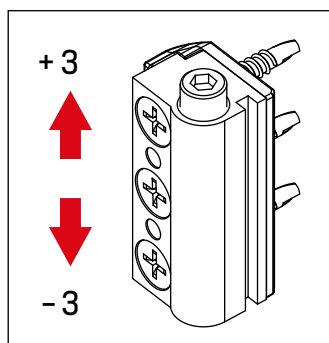
\* Disponible ACRUX C16 para perfiles con canal de 16 mm. Ver página 312.

\* Available ACRUX C16 for profiles with 16 mm groove. See page 312.

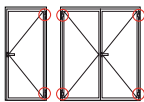


**KIT DE REGULACIÓN VERTICAL**  
VERTICAL ADJUSTMENT KIT

STC-MC-0011







Adjustable hinge for Central Groove door profiles.

Bisagra regulable para perfiles de puerta de Canal Centrado.

**TECHNICAL CHARACTERISTICS**

- Recommended for more demanding applications: high frequency of use, limit dimensions, etc.
- Valid for inward and outward openings.
- Lateral adjustment up to  $\pm 1,2$  mm.
- Vertical adjustment up to  $\pm 3$  mm adding the reference STC-MC-0011.
- Anti-wear plastic materials.
- Maximum load with 2 hinges: 120 kg.
- Maximum load with 3 hinges: 150 kg.

See technical data sheet

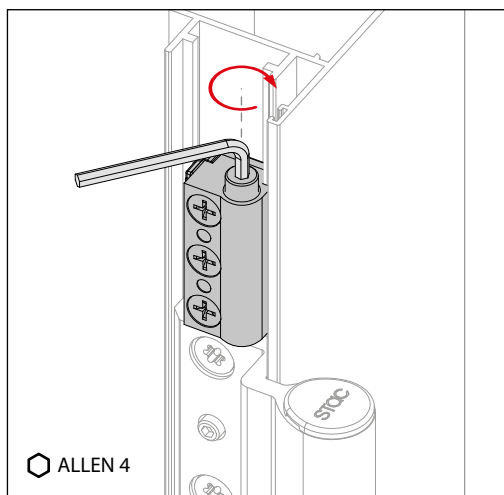
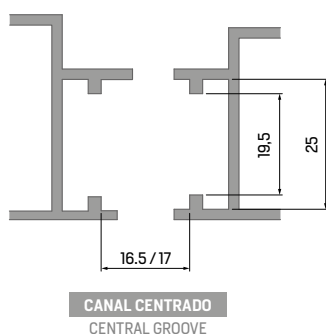
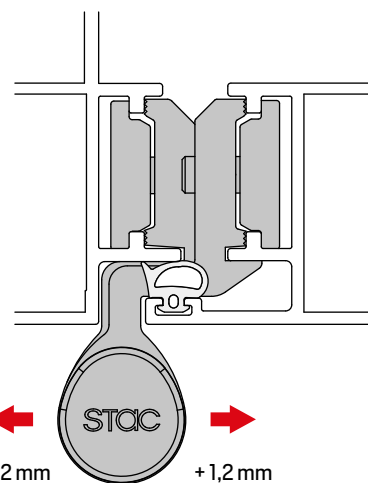
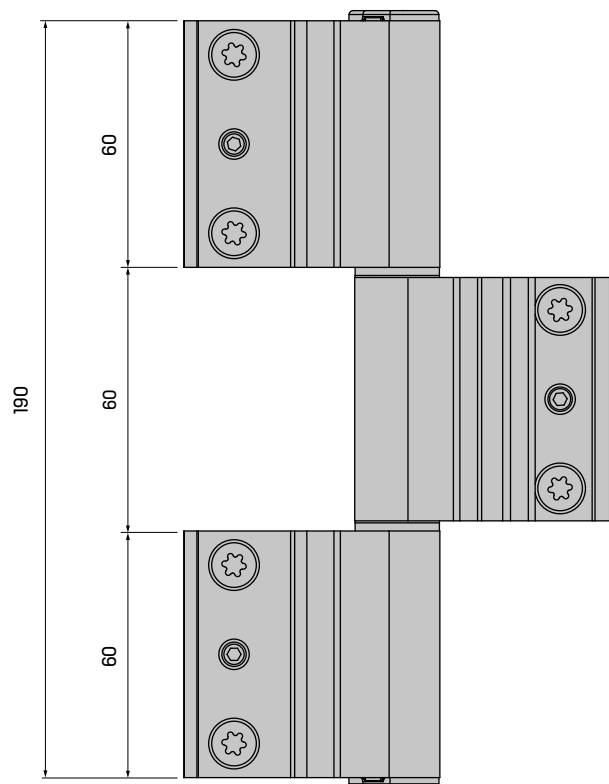
**CARACTERÍSTICAS TÉCNICAS**

- Recomendada para aplicaciones más exigentes: alta frecuencia de uso, dimensiones límite, etc.
- Válida tanto para aperturas interiores como exteriores.
- Regulación lateral de hasta  $\pm 1,2$  mm.
- Regulación vertical de hasta  $\pm 3$  mm añadiendo la referencia STC-MC-0011.
- Materiales plásticos anti-desgaste.
- Carga máxima con 2 bisagras: 120 kg.
- Carga máxima con 3 bisagras: 150 kg.

Ver ficha técnica

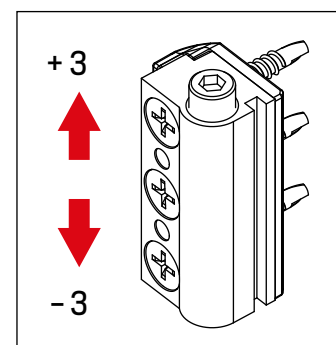


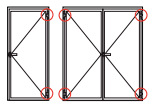
|      |   |    |
|------|---|----|
| P030 | D | ** |
|------|---|----|



**KIT DE REGULACIÓN VERTICAL**  
VERTICAL ADJUSTMENT KIT

|             |           |    |
|-------------|-----------|----|
| STC-MC-0011 | Hand icon | 20 |
|-------------|-----------|----|





|       |    |    |
|-------|----|----|
| 010C2 | 60 | ** |
|       | 66 |    |
|       | 80 |    |
|       | 93 |    |



Bisagra regulable universal para puertas.

### CARACTERÍSTICAS TÉCNICAS

- Válida tanto para aperturas interiores como exteriores.
- Regulación micrométrica en 3 dimensiones.
- Calzos para series con resalte.
- Plantilla de taladrado regulable que facilita el mecanizado del perfil.

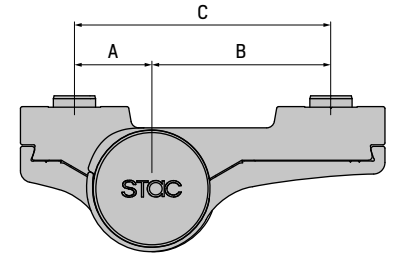
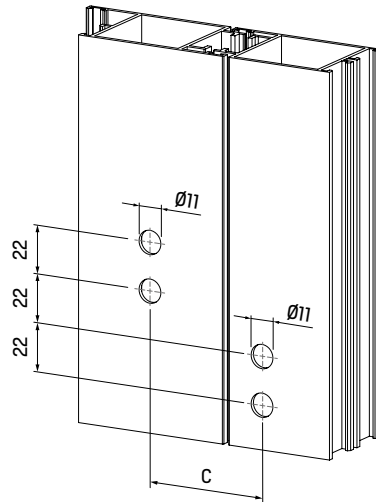
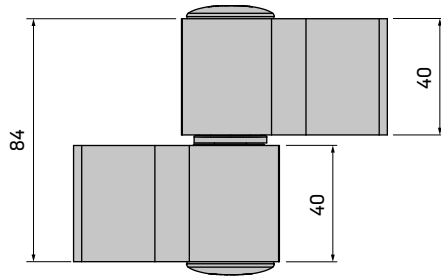
Ver ficha técnica

Universal adjustable door hinge.

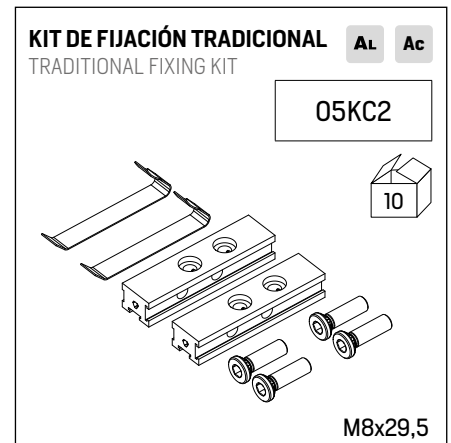
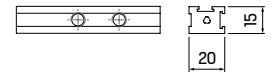
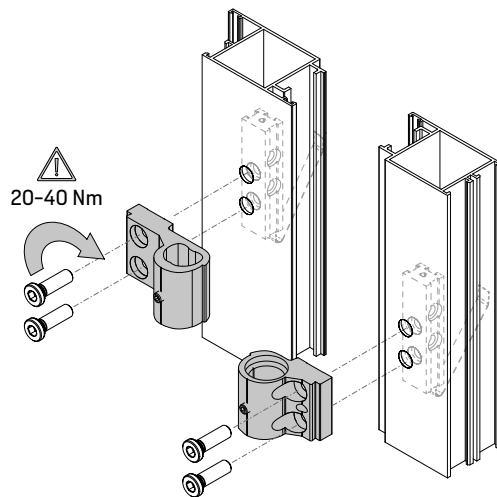
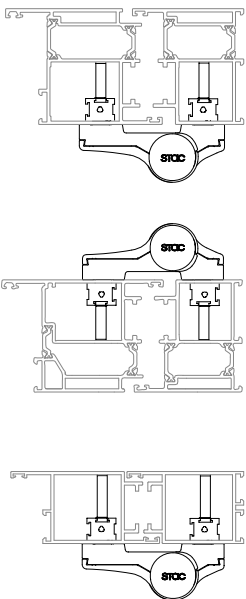
### TECHNICAL CHARACTERISTICS

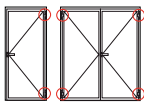
- Valid for inward and outward openings.
- Micrometric adjustment in 3 dimensions.
- Shims for series with protrusion.
- Adjustable drilling template for easy profile machining.

See technical data sheet



| REF.    |    | A    | B    | C    |
|---------|----|------|------|------|
| 010C260 | ** | 20   | 40   | 60   |
| 010C266 | ** | 20   | 46,5 | 66,5 |
| 010C280 | ** | 40   | 40   | 80   |
| 010C293 | ** | 46,5 | 46,5 | 93   |



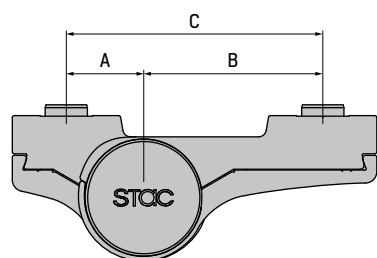


Universal adjustable door hinge.

**TECHNICAL CHARACTERISTICS**

- Recommended for more demanding applications: high frequency of use, limit dimensions, etc.
- Valid for inward and outward openings.
- Micrometric adjustment in 3 dimensions.
- Shims for series with protrusion.
- Adjustable drilling template for easy profile machining.
- Tested to 1,000,000 cycles with 100 kg load according to report number 16/12559-1551.

See technical data sheet



| REF.    |    | A    | B    | C    |
|---------|----|------|------|------|
| 010C360 | ** | 20   | 40   | 60   |
| 010C366 | ** | 20   | 46,5 | 66,5 |
| 010C380 | ** | 40   | 40   | 80   |
| 010C393 | ** | 46,5 | 46,5 | 93   |

Bisagra regulable universal para puertas.

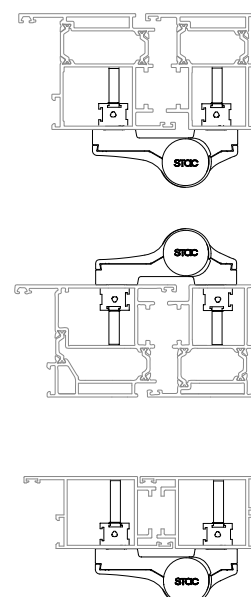
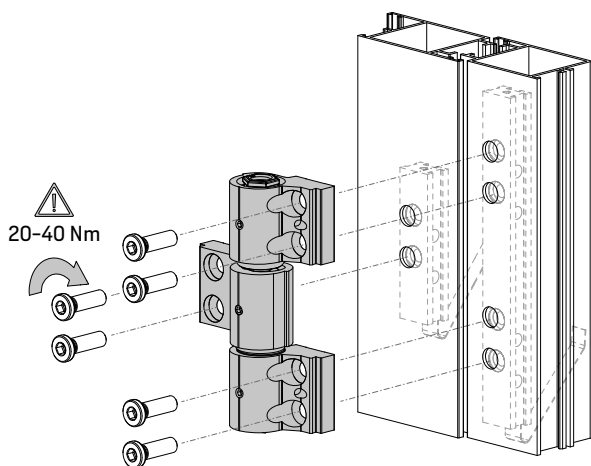
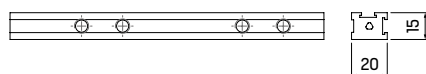
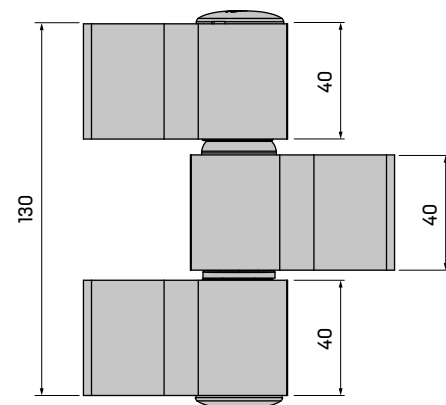
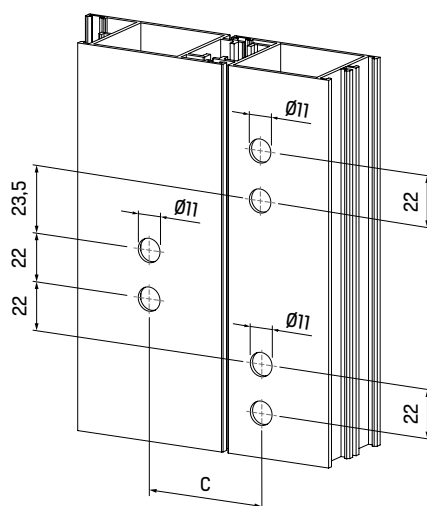
**CARACTERÍSTICAS TÉCNICAS**

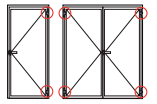
- Recomendada para aplicaciones más exigentes: alta frecuencia de uso, dimensiones límite, etc.
- Válida tanto para aperturas interiores como exteriores.
- Regulación micrométrica en 3 dimensiones.
- Calzos para series con resalte.
- Plantilla de taladrado regulable que facilita el mecanizado del perfil.
- Testada a 1,000,000 de ciclos con carga de 100 kg según número de informe 16/12559-1551.

Ver ficha técnica



|       |    |    |
|-------|----|----|
| 010C3 | 60 | ** |
|       | 66 |    |
|       | 80 |    |
|       | 93 |    |





|       |    |    |
|-------|----|----|
| 010T2 | 60 | ** |
|       | 66 |    |
|       | 80 |    |
|       | 93 |    |



Bisagra regulable universal para puertas.

Universal adjustable door hinge.

### CARACTERÍSTICAS TÉCNICAS

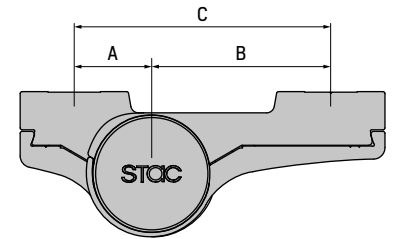
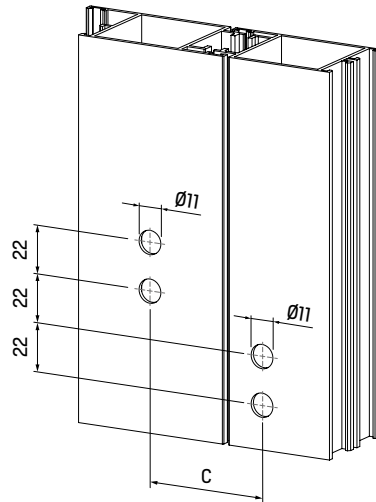
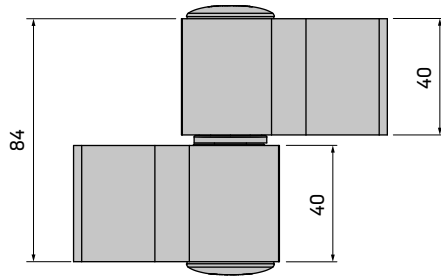
### TECHNICAL CHARACTERISTICS

- Válida tanto para aperturas interiores como exteriores.
- Regulación micrométrica en 3 dimensiones.
- Calzos para series con resalte.
- Plantilla de taladrado regulable que facilita el mecanizado del perfil.

- Valid for inward and outward openings.
- Micrometric adjustment in 3 dimensions.
- Shims for series with protrusion.
- Adjustable drilling template for easy profile machining.

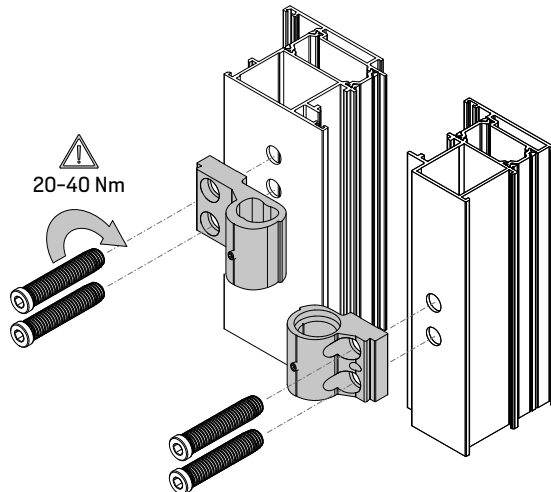
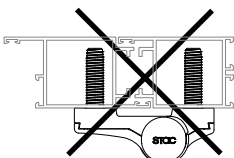
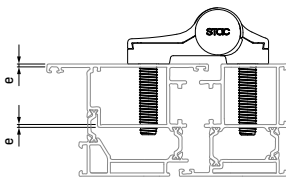
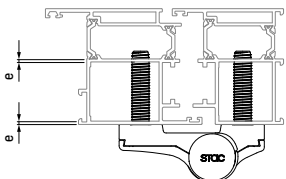
Ver ficha técnica

See technical data sheet



| REF.    |    | A    | B    | C    |
|---------|----|------|------|------|
| 010T260 | ** | 20   | 40   | 60   |
| 010T266 | ** | 20   | 46,5 | 66,5 |
| 010T280 | ** | 40   | 40   | 80   |
| 010T293 | ** | 46,5 | 46,5 | 93   |

$e \geq 1,6 \text{ mm}$



**KIT DE FIJACIÓN RÁPIDA**  
RAPID FIXING KIT Ac

T 12x50

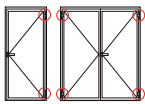
100

A0505041

T 12x60

100

A0505042

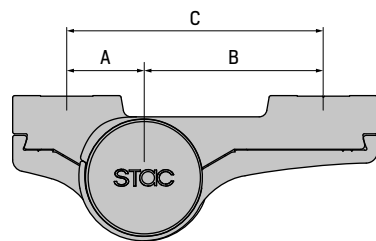


Universal adjustable door hinge.

### TECHNICAL CHARACTERISTICS

- Recommended for more demanding applications: high frequency of use, limit dimensions, etc.
- Valid for inward and outward openings.
- Micrometric adjustment in 3 dimensions.
- Shims for series with protrusion.
- Adjustable drilling template for easy profile machining.
- Tested to 1,000,000 cycles with 100 kg load according to report number 16/12559-1551.

See technical data sheet



| REF.    |    | A    | B    | C    |
|---------|----|------|------|------|
| 010T360 | ** | 20   | 40   | 60   |
| 010T366 | ** | 20   | 46,5 | 66,5 |
| 010T380 | ** | 40   | 40   | 80   |
| 010T393 | ** | 46,5 | 46,5 | 93   |

Bisagra regulable universal para puertas.

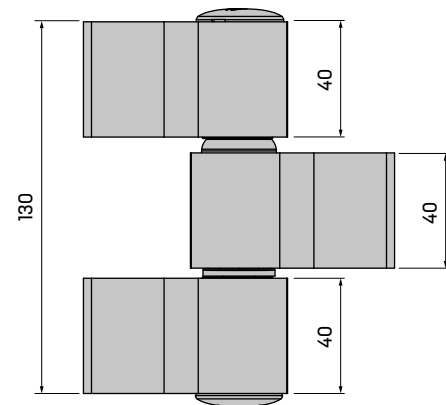
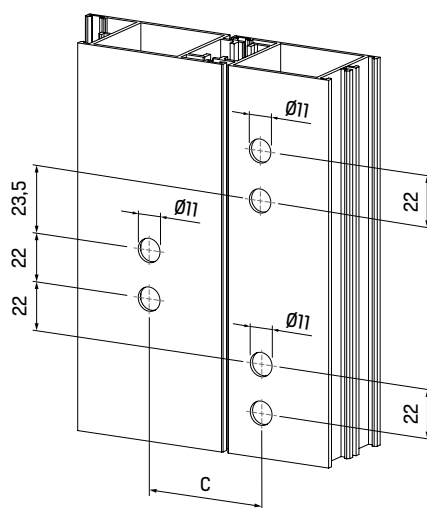
### CARACTERÍSTICAS TÉCNICAS

- Recomendada para aplicaciones más exigentes: alta frecuencia de uso, dimensiones límite, etc.
- Válida tanto para aperturas interiores como exteriores.
- Regulación micrométrica en 3 dimensiones.
- Calzos para series con resalte.
- Plantilla de taladrado regulable que facilita el mecanizado del perfil.
- Testada a 1,000,000 de ciclos con carga de 100 kg según número de informe 16/12559-1551.

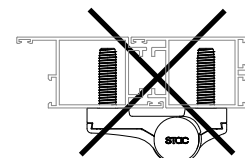
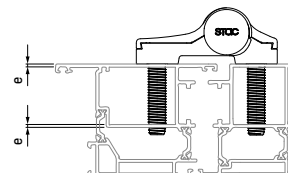
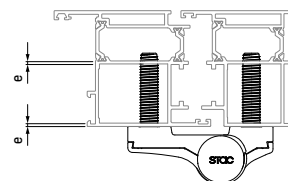
Ver ficha técnica



|       |    |    |
|-------|----|----|
| 010T3 | 60 | ** |
|       | 66 |    |
|       | 80 |    |
|       | 93 |    |



$e \geq 1,6 \text{ mm}$



**KIT DE FIJACIÓN RÁPIDA**  
RAPID FIXING KIT

T 12x50

100

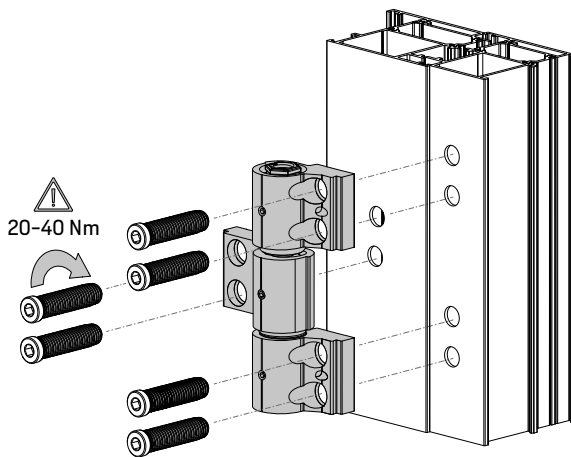
A0505041

T 12x60

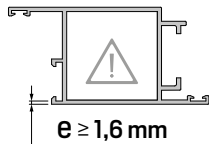
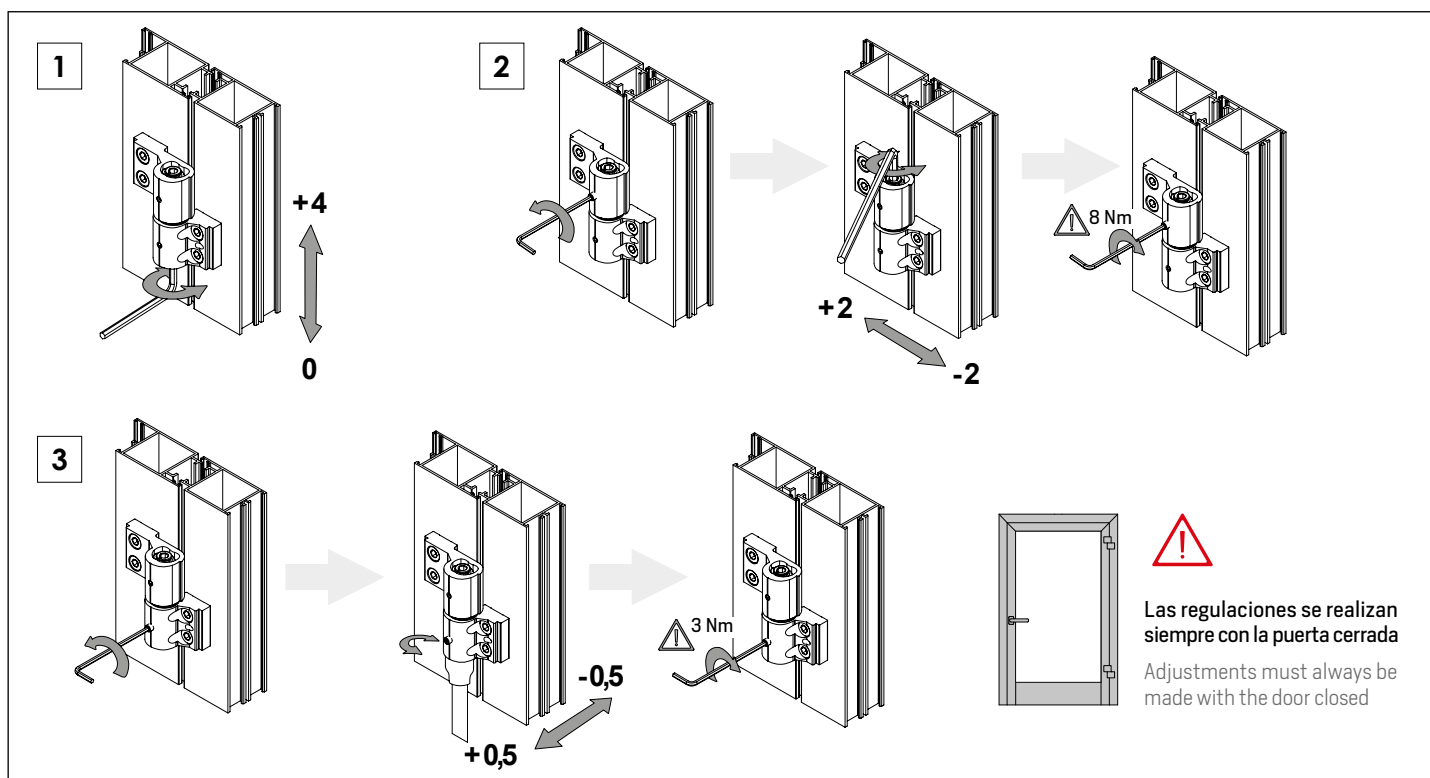
100

A0505042

Ac

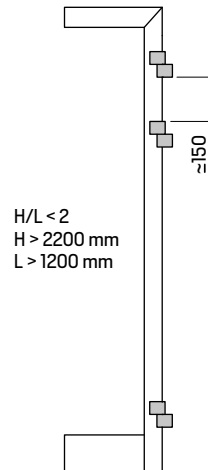
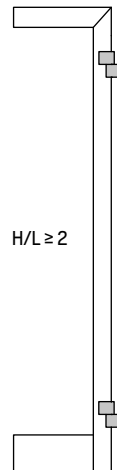
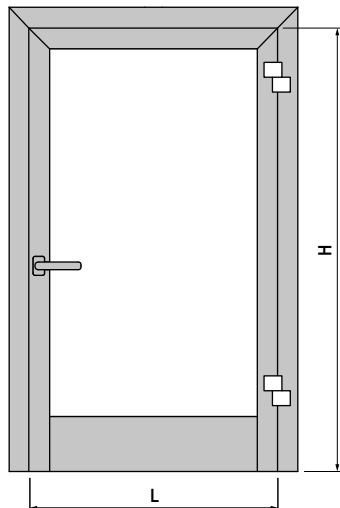


### REGULACIONES ADJUSTMENTS



Las recomendaciones de uso se aplican para un espesor de perfil  $\geq 1,6 \text{ mm}$ .  
Si el espesor es menor consultar con el departamento técnico de STAC.

The recommendations for use are applied to a  $\geq 1.6 \text{ mm}$  profile thickness.  
If the thickness is less, please consult with the STAC technical department.

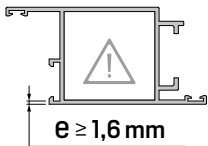
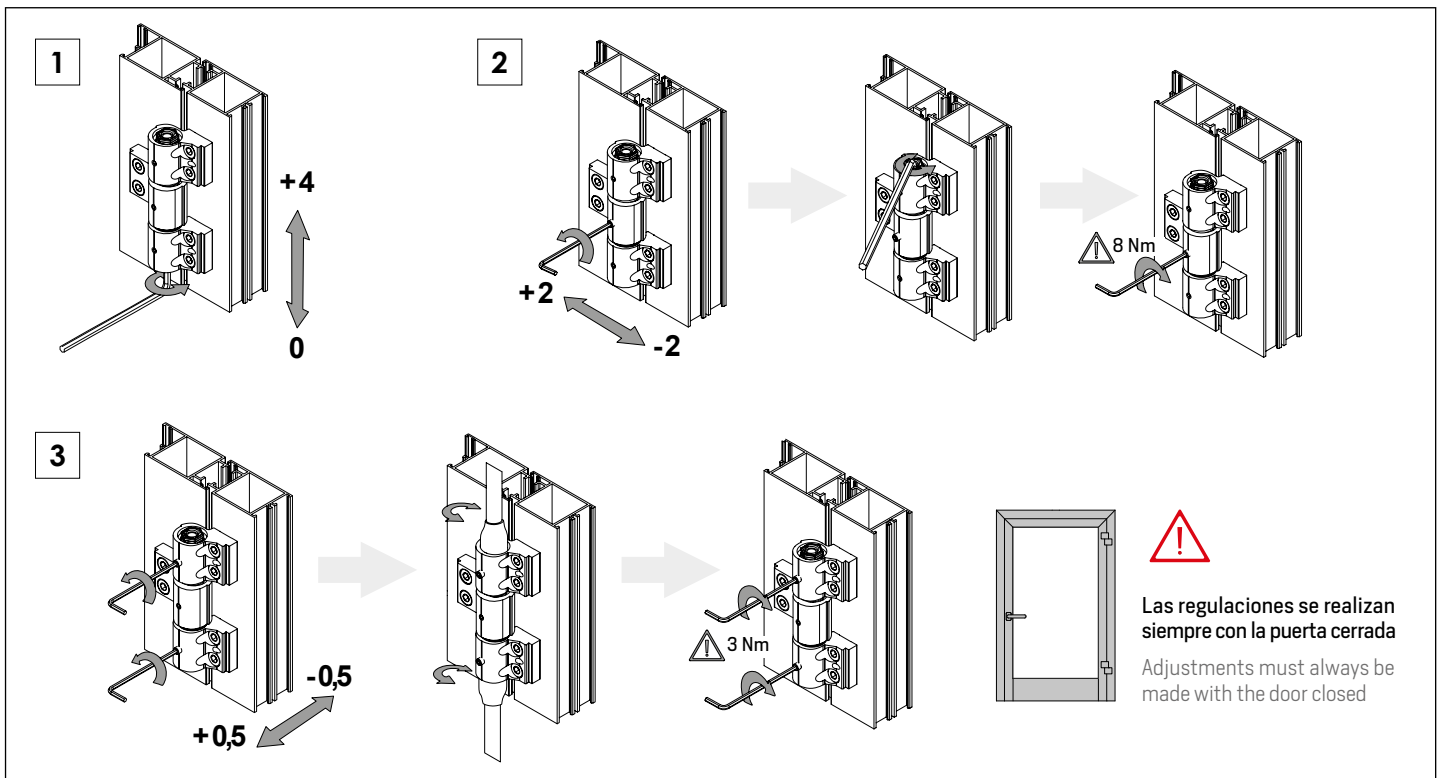


### RECOMENDACIONES DE USO USAGE RECOMMENDATIONS

#### VIVIENDA MULTIFAMILIAR | EDIF. PÚBLICOS CON CIERRA-PUERTAS MULTI-FAMILY HOME | PUBLIC BUILDINGS WITH DOOR CLOSER

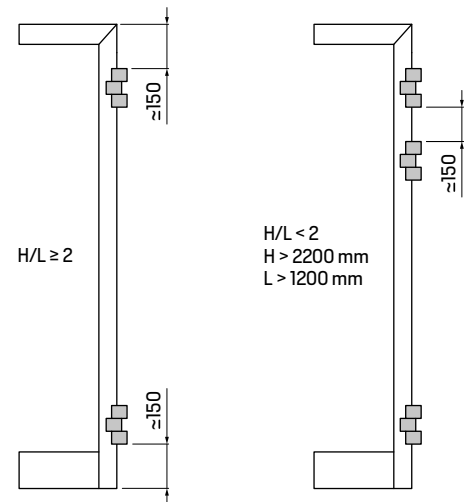
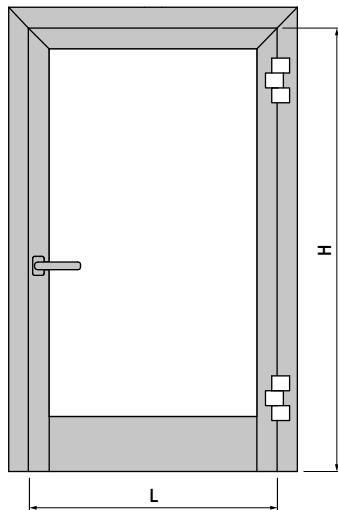
|  | VIVIENDA UNIFAMILIAR<br>SINGLE-FAMILY HOME | VIVIENDA MULTIFAMILIAR   EDIF. PÚBLICOS<br>MULTI-FAMILY HOME   PUBLIC BUILDINGS | SIN FRENO<br>WITHOUT BRAKE | CON FRENO<br>WITH BRAKE |
|--|--|---|----------------------------|-------------------------|
|  | 160 kg                                     | 140 kg  | 125 kg                     | 100 kg                  |
|  | 180 kg                                     | 160 kg  | 150 kg                     | 120 kg                  |

REGULACIONES ADJUSTMENTS



Las recomendaciones de uso se aplican para un espesor de perfil  $\geq 1,6$  mm. Si el espesor es menor consultar con el departamento técnico de STAC.

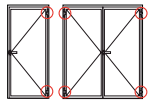
The recommendations for use are applied to a  $\geq 1.6$  mm profile thickness. If the thickness is less, please consult with the STAC technical department.



RECOMENDACIONES DE USO USAGE RECOMMENDATIONS

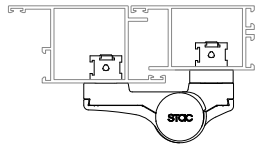
VIVIENDA MULTIFAMILIAR | EDIF. PÚBLICOS CON CIERRA-PUERTAS  
MULTI-FAMILY HOME | PUBLIC BUILDINGS WITH DOOR CLOSER

|  | VIVIENDA UNIFAMILIAR<br>SINGLE-FAMILY HOME | VIVIENDA MULTIFAMILIAR   EDIF. PÚBLICOS<br>MULTI-FAMILY HOME   PUBLIC BUILDINGS | SIN FRENO<br>WITHOUT BRAKE | CON FRENO<br>WITH BRAKE |
|--|--|---|----------------------------|-------------------------|
|  | 160 kg                                     | 150 kg  | 140 kg                     | 120 kg                  |
|  | 180 kg                                     | 170 kg  | 160 kg                     | 140 kg                  |



CALZOS PARA FIJACIÓN TRADICIONAL  
TRADITIONAL FIXING SHIMS

|       |    |    |
|-------|----|----|
| 010CS | 07 | ** |
|       | 08 |    |
|       | 10 |    |



Disponibles calzos de diferentes medidas con casquillos

Different sizes of shims with bushings are available

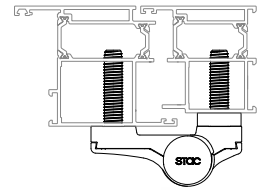
Para el montaje del calzo con fijación tradicional  
(con contraplacas) utilizar el tornillo ref. 0505032.

For the assembly of the shim with traditional fixing  
(with counterplates) use screw ref. 0505032.

CALZOS PARA FIJACIÓN RÁPIDA  
RAPID FIXING SHIMS



|       |    |    |
|-------|----|----|
| 010TS | 07 | ** |
|       | 08 |    |
|       | 10 |    |



Disponibles calzos de diferentes medidas

Different sizes of shims available

TORNILLOS PARA FIJACIÓN TRADICIONAL  
TRADITIONAL FIXING SCREWS

0505031 M8 x 29 mm

0505032 M8 x 39 mm



Tornillos de acero con acabado Delta-tone®  
Steel screws with Delta-tone® finish

TORNILLOS PARA FIJACIÓN RÁPIDA  
RAPID FIXING SCREWS

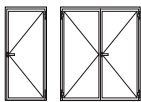
Ø12 x 50 mm A0505041

Ø12 x 60 mm A0505042



Tornillos de acero de acero con acabado cincado  
Zinc-plated steel screws





Adjustable template that facilitates and optimizes the drilling of the profile.

Plantilla regulable que facilita y optimiza el taladrado del perfil.

AL Ac

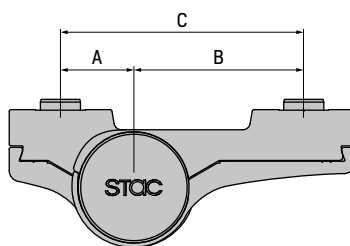
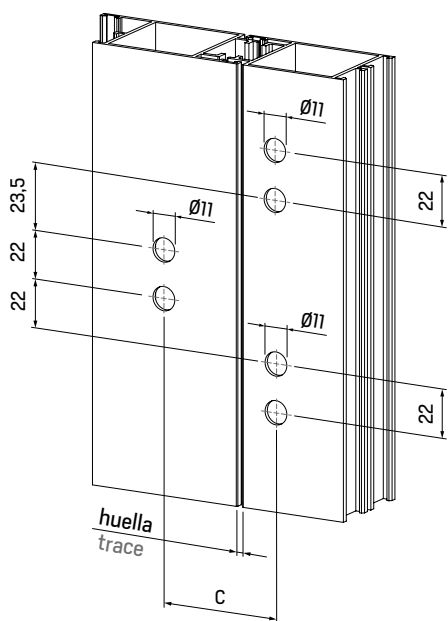
P-010-01

**TECHNICAL CHARACTERISTICS**

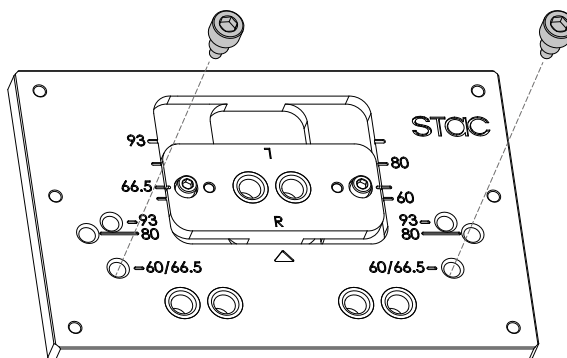
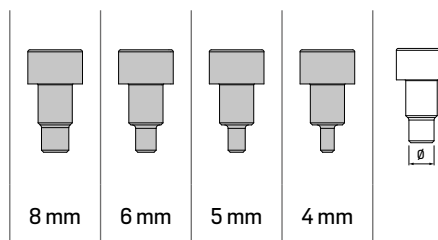
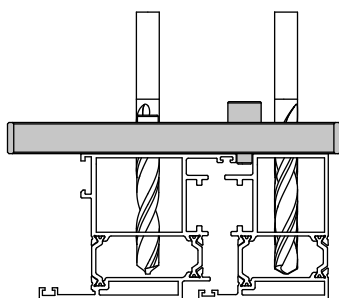
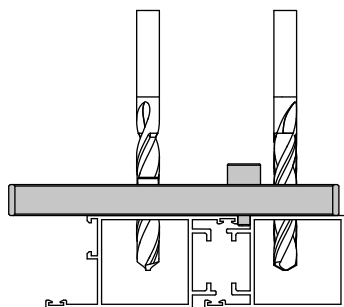
- The template adapts to any available Aries hinge size.
- Pins to adapt to traces of coplanar profiles of 4, 5, 6 and 8 mm.
- Instruction sheet available.

**CARACTERÍSTICAS TÉCNICAS**

- La plantilla se adapta a cualquier medida de bisagra Aries disponible.
- Bulones para adaptarse a huellas de perfiles coplanarios de 4, 5, 6 y 8 mm.
- Disponible hoja de instrucciones.

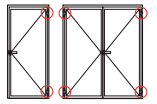


| A    | B    | C    |
|------|------|------|
| 20   | 40   | 60   |
| 20   | 46,5 | 66,5 |
| 40   | 40   | 80   |
| 46,5 | 46,5 | 93   |



# BISAGRA TAURUS

## TAURUS HINGE



|      |        |    |
|------|--------|----|
| A011 | D<br>I | ** |
|------|--------|----|



Bisagra regulable para perfiles de puerta de Canal Europeo.

### CARACTERÍSTICAS TÉCNICAS

- Instalación en perfil sin necesidad de realizar mecanizados.
- Incorpora un tornillo prisionero para evitar el deslizamiento.
- Tapa de regulación y casquillo en acetal con clip mejorado.
- Regulación horizontal de  $\pm 1$  mm, incluso con la puerta colocada.
- Regulación vertical de hasta  $\pm 3$  mm con la referencia STC-MC-0011.
- Carga máxima con 2 o más bisagras: 100 kg.

Ver ficha técnica

Adjustable hinge for Euro Groove door profiles.

### TECHNICAL CHARACTERISTICS

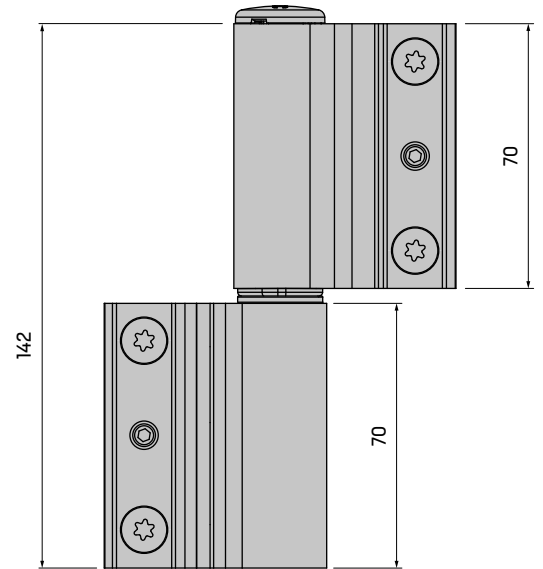
- Installation in the profile without the need for machining.
- Incorporates a set screw to prevent slipping.
- Adjustment cover cap and acetal bushing with improved clip.
- Horizontal adjustment  $\pm 1$  mm, even with the door in place.
- Vertical adjustment up to  $\pm 3$  mm with reference STC-MC-0011.
- Maximum load with 2 or more hinges: 100 kg.

See technical data sheet

## BISAGRA TAURUS DESMONTADA

### DISASSEMBLED TAURUS HINGE

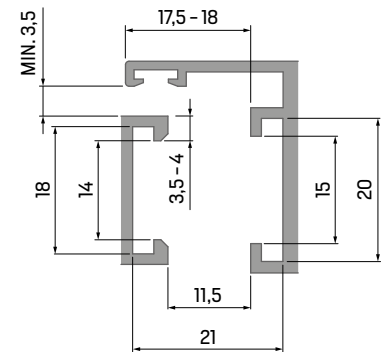
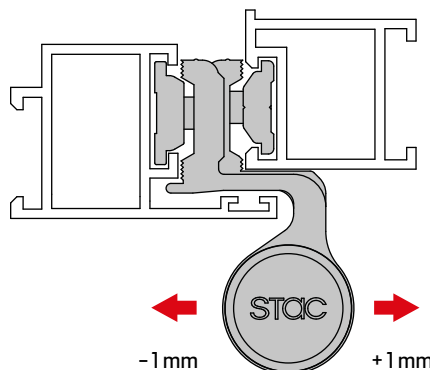
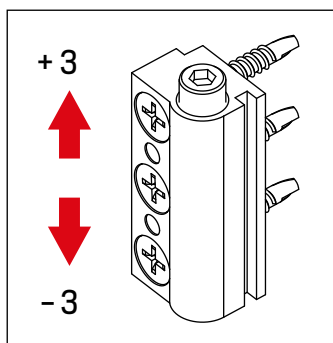
|       |    |
|-------|----|
| A011X | ** |
|-------|----|



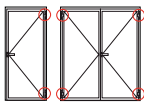
## KIT DE REGULACIÓN VERTICAL

### VERTICAL ADJUSTMENT KIT

|             |  |  |
|-------------|--|--|
| STC-MC-0011 |  |  |
|-------------|--|--|



CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)



Adjustable hinge for Euro Groove door profiles.

**TECHNICAL CHARACTERISTICS**

- Designed for large doors with high weight.
- Installation in the profile without the need for machining.
- Horizontal adjustment  $\pm 1$  mm, even with the door in place.
- Vertical adjustment up to  $\pm 3$  mm with reference STC-MC-0011.
- Ball bearing for smoother and quieter turning.
- Kit made up of 2 hinges plus adjustment and fastening elements.
- Maximum load with 2 or more hinges: 100 kg.

See technical data sheet

Bisagra regulable para perfiles de puerta de Canal Europeo

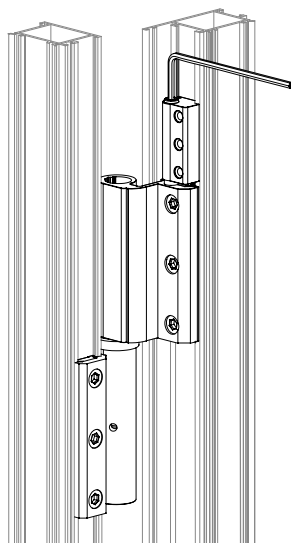
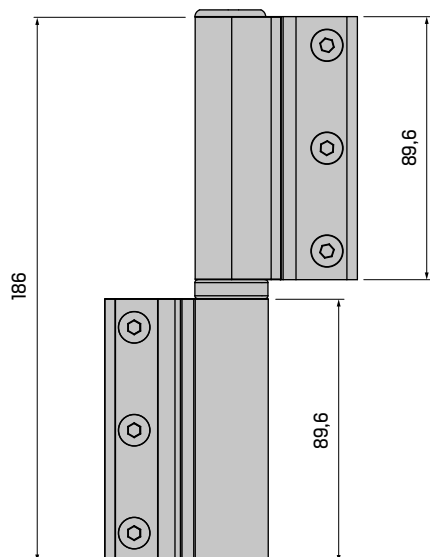
**CARACTERÍSTICAS TÉCNICAS**

- Diseñada para puertas de grandes dimensiones con peso elevado.
- Instalación en perfil sin necesidad de realizar mecanizados.
- Regulación horizontal de  $\pm 1$  mm, incluso con la puerta colocada.
- Regulación vertical de hasta  $\pm 3$  mm con la referencia STC-MC-0011.
- Rodamiento de bolas para un giro más suave y silencioso.
- Kit compuesto por 2 bisagras más elementos de regulación y sujeción.
- Carga máxima con 2 o más bisagras: 160 kg.

Ver ficha técnica



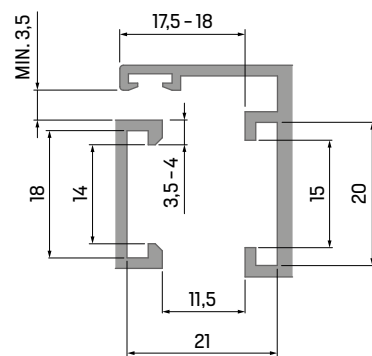
|      |        |    |      |
|------|--------|----|------|
| A011 | D<br>I | ** | -160 |
|------|--------|----|------|



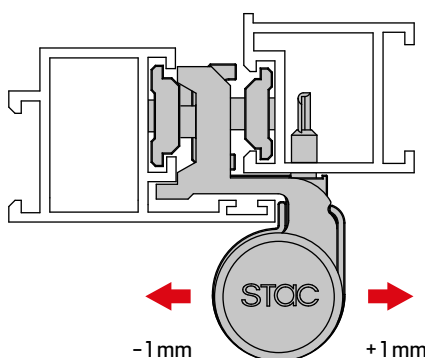
|       |    |      |
|-------|----|------|
| A011F | ** | -160 |
|-------|----|------|



FUNDA BISAGRA TAURUS CLX  
TAURUS CLX HINGE COVER

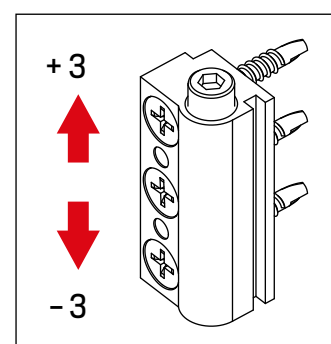


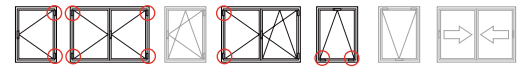
CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)



**KIT DE REGULACIÓN VERTICAL**  
VERTICAL ADJUSTMENT KIT

|             |                 |                  |
|-------------|-----------------|------------------|
| STC-MC-0011 | Adjustment icon | Box icon with 20 |
|-------------|-----------------|------------------|





B0170 \*\*

40



Bisagra automontable para perfiles de ventana de Canal Europeo.

**CARACTERÍSTICAS TÉCNICAS**

- Bisagra ambidiestra y automontable.
- Recomendada cuando existen grandes esfuerzos transversales:
  - hojas con ancho > 1200 mm o
  - relación alto / ancho < 2
- Las contraplacas incorporan un dentado especial para evitar el deslizamiento.
- Carga máxima con dos o más bisagras: 90 kg.
- Se sirve totalmente montada.

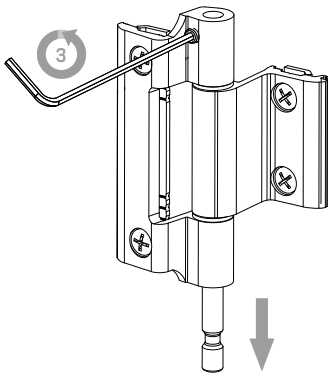
Ver ficha técnica

Self-assembly hinge for Euro Groove window profiles.

**TECHNICAL CHARACTERISTICS**

- Ambidextrous & self-assembling hinge.
- Recommended when there are large transverse forces:
  - sashes with width >1200 mm or
  - ratio height / width < 2
- The counterplates incorporate a special teeth to prevent slipping.
- Maximum load with two hinges or more hinges: 90 kg.
- Supplied totally assembled.

See technical data sheet

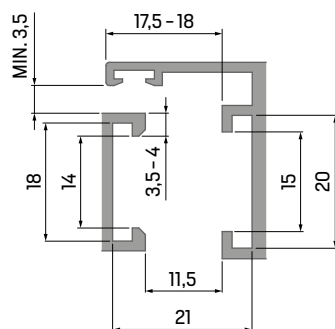
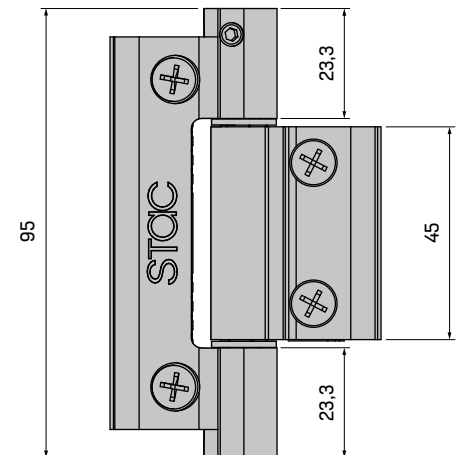
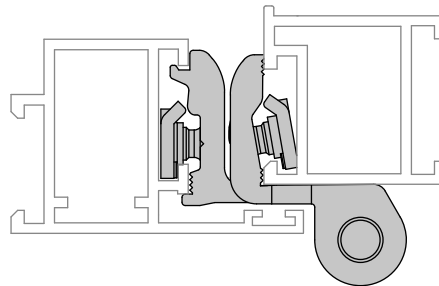


**MONTAJE EN OBRA MÁS SENCILLO**

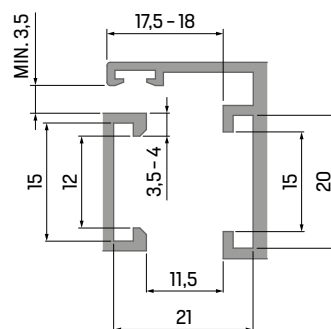
gracias al prisionero que permite la retirada del bulón

**EASIER ON-SITE ASSEMBLY**

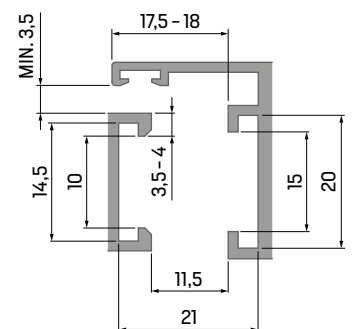
thanks to the set screw that allows to removal of the pin



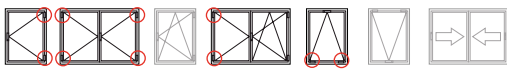
CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)



CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)



CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)



Hinges for Euro Groove window profiles.

### TECHNICAL CHARACTERISTICS

- The counterplates incorporate a special teeth to prevent slipping.
- The bushing covers the entire pin, insulating it from the outdoors.
- Two body reversible hinge.
- They are supplied assembled both right and left hand.
- Maximum load with 2 hinges: 60 kg.
- Maximum load with 3 hinges: 75 kg.

### Adjustable Carina

- Eccentric pin that allows horizontal and tightening adjustment.

See technical data sheet

Bisagra para perfiles de ventana de Canal Europeo.

### CARACTERÍSTICAS TÉCNICAS

- Las contraplacas incorporan un dentado especial para evitar el deslizamiento.
- El casquillo recubre todo el bulón, aislándolo de la intemperie.
- Bisagra reversible de dos cuerpos.
- Se suministran montadas tanto a derechas como a izquierdas.
- Carga máxima con 2 bisagras: 60 kg.
- Carga máxima con 3 bisagras: 75 kg.

### Carina regulable

- Bulón excéntrico que permite regulación horizontal y de apriete.

Ver ficha técnica



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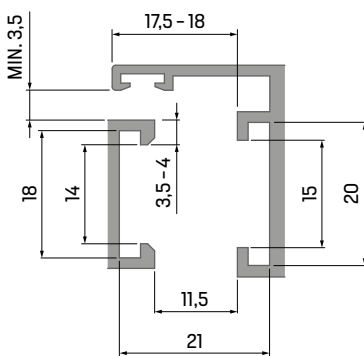
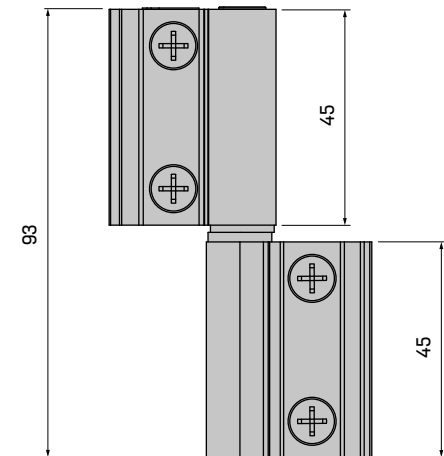
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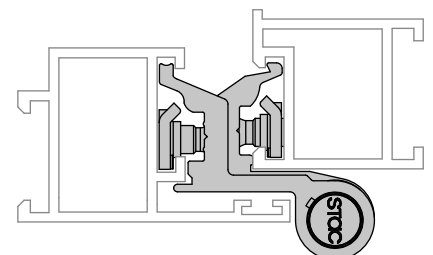
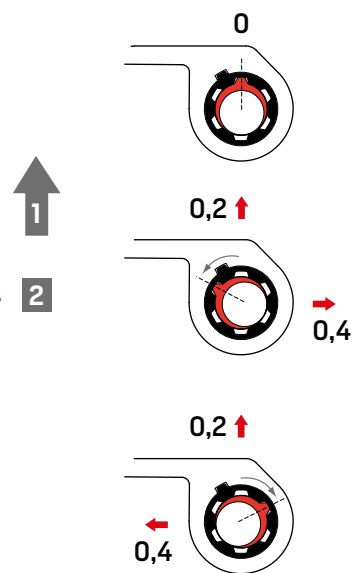
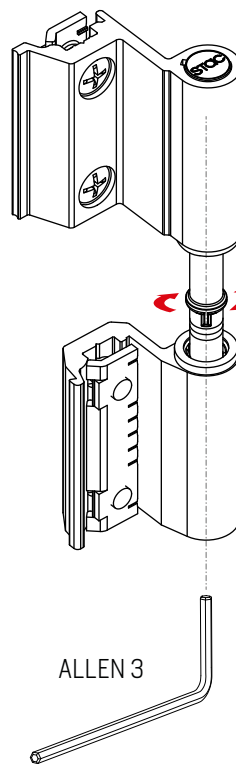
### BISAGRA CARINA DESMONTADA DISASSEMBLED CARINA HINGE

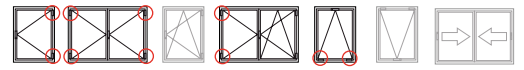


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CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)





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| 019 | D | ** |
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| 019 | D | ** | R |
|     | I |    |   |



Bisagra para perfiles de ventana de Canal Europeo.

**CARACTERÍSTICAS TÉCNICAS**

- Las contraplacas incorporan un tornillo prisionero para evitar el deslizamiento.
- El casquillo recubre todo el bulón, aislándolo de la intemperie.
- Bisagra reversible de dos cuerpos.
- Se suministran montadas tanto a derechas como a izquierdas.
- Carga máxima con 2 bisagras: 60 kg.
- Carga máxima con 3 bisagras: 75 kg.

**Carina regulable**

- Bulón excéntrico que permite regulación horizontal y de apriete.

Ver ficha técnica

Hinges for Euro Groove window profiles.

**TECHNICAL CHARACTERISTICS**

- The counterplates incorporate a set screw to prevent slipping.
- The bushing covers the entire pin, insulating it from the outdoors.
- Two body reversible hinge.
- They are supplied assembled both right and left hand.
- Maximum load with 2 hinges: 60 kg.
- Maximum load with 3 hinges: 75 kg.

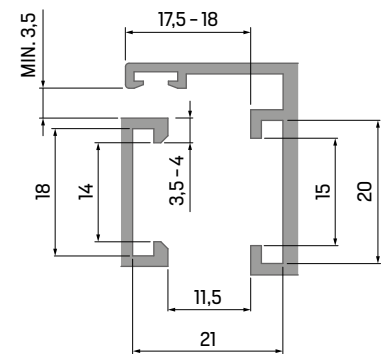
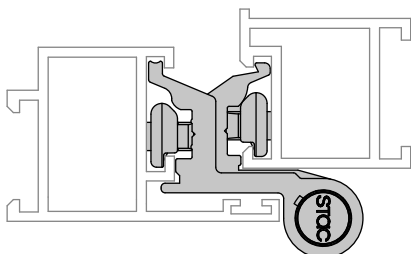
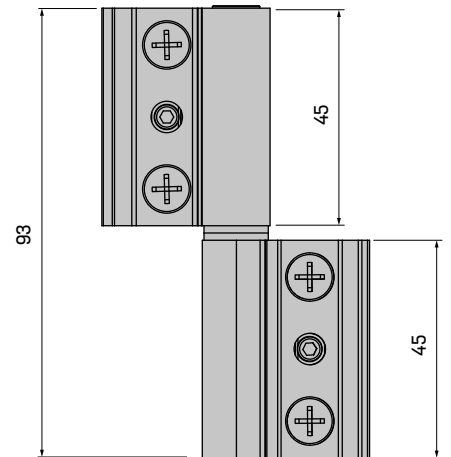
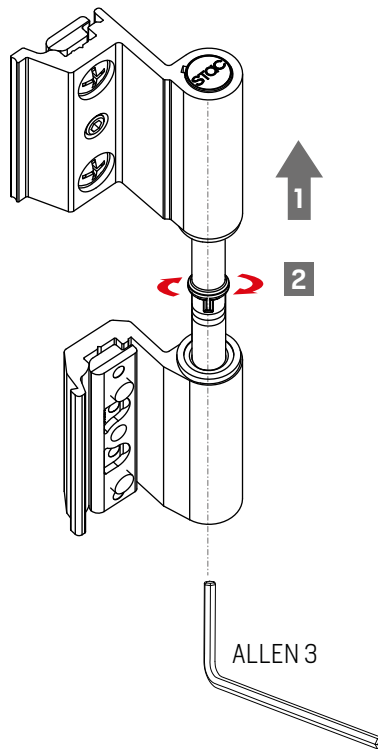
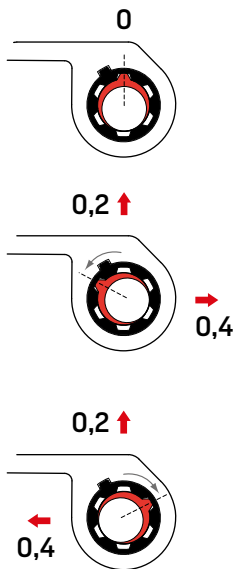
**Adjustable Carina**

- Eccentric pin that allows horizontal and tightening adjustment.

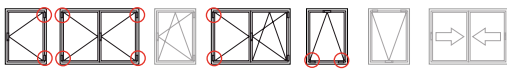
See technical data sheet

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| B019X | ** | R |
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CANAL EUROPEO (EJE 10)  
 EURO GROOVE (10 SHAFT)



Hinges for Euro Groove window profiles.

### TECHNICAL CHARACTERISTICS

- Anti-slip counterplate which doubles the hinge's grip capacity and improves pre-assembly.
- The bushing covers the entire pin, insulating it from the outdoors.
- Two body reversible hinge.
- They are supplied assembled both right and left hand.
- Maximum load with 2 hinges: 60 kg.
- Maximum load with 3 hinges: 75 kg.

### Adjustable Carina PLUS

- Eccentric pin that allows horizontal and tightening adjustment.

See technical data sheet

Bisagras para perfiles de ventana de Canal Europeo.

### CARACTERÍSTICAS TÉCNICAS

- Contraplaca anti-deslizamiento que duplica la capacidad de agarre de la bisagra y mejora el pre-montaje.
- El casquillo recubre todo el bulón, aislándolo de la intemperie.
- Bisagra reversible de dos cuerpos.
- Se suministran montadas tanto a derechas como a izquierdas.
- Carga máxima con 2 bisagras: 60 kg.
- Carga máxima con 3 bisagras: 75 kg.

### Carina PLUS Regulable

- Bulón excéntrico que permite regulación horizontal y de apriete.

Ver ficha técnica



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| 023 | D | ** |
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| 023 | D | ** | R |
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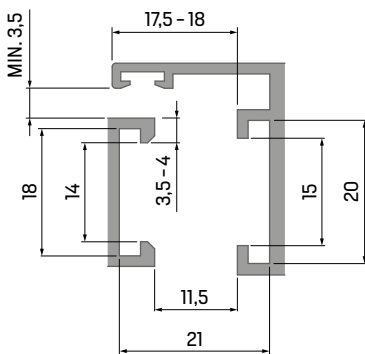
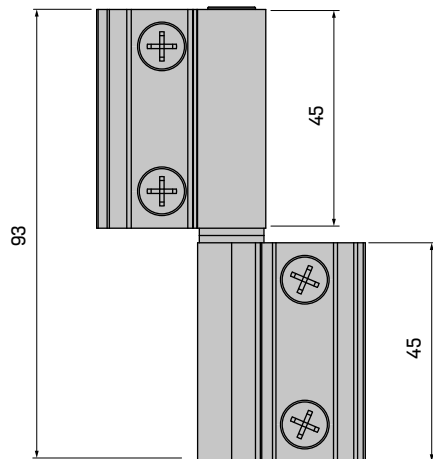


BISAGRA CARINA PLUS DESMONTADA  
DISASSEMBLED CARINA PLUS

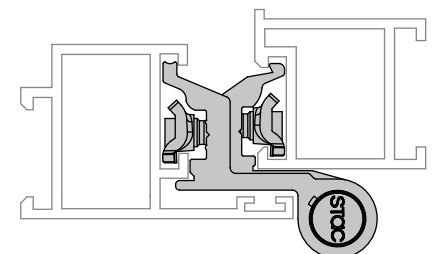
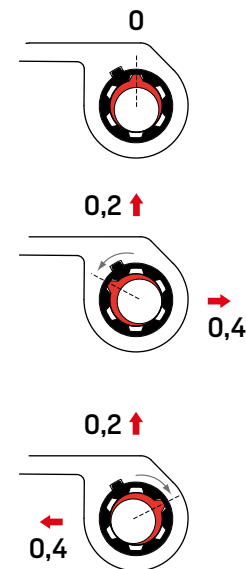
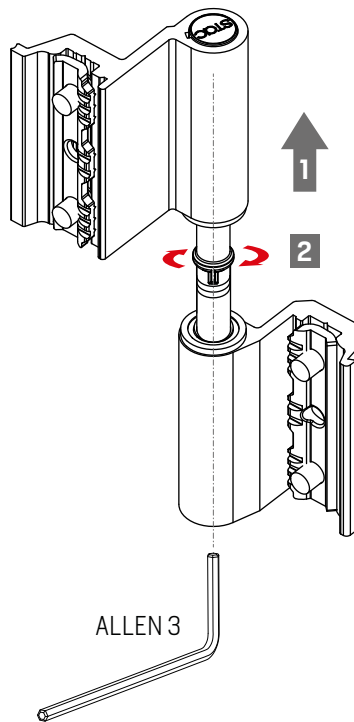


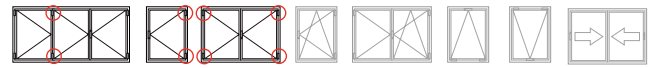
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| B023X | ** |
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CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)





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| 014 | D | ** |
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| 014 | D | ** | R |
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Bisagra automontable de 3ª hoja para perfiles de ventana de Canal Europeo.

**CARACTERÍSTICAS TÉCNICAS**

- Las contraplacas incorporan un dentado especial para evitar el deslizamiento.
- El casquillo recubre todo el bulón, aislándolo de la intemperie.
- Válidas para perfiles coplanares de Canal Europeo.
- Versión regulable con bulón excéntrico.
- Bisagra reversible de dos cuerpos.
- Se suministra semi-montada para su colocación a derechas o izquierdas.
- Carga máxima con 2 bisagras: 50 kg.
- Carga máxima con 3 bisagras: 60 kg.

**Carina Regulable**

- Bulón excéntrico que permite regulación horizontal y de apriete.

Ver ficha técnica

Self-assembly 3<sup>rd</sup> sash hinge for Euro Groove window profiles.

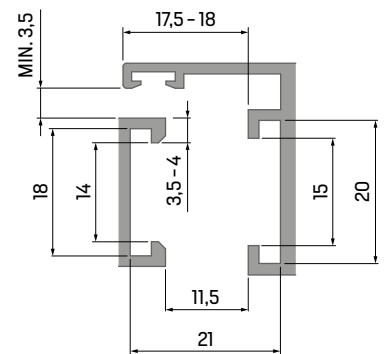
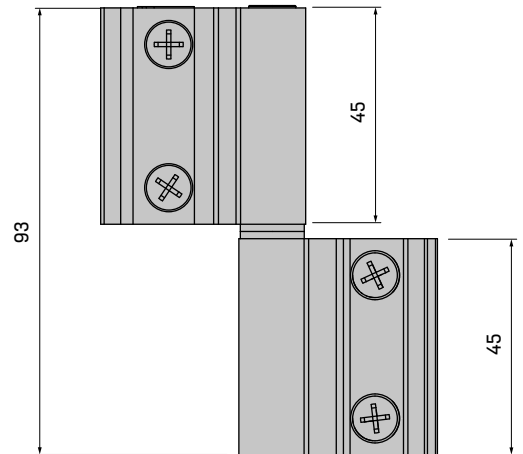
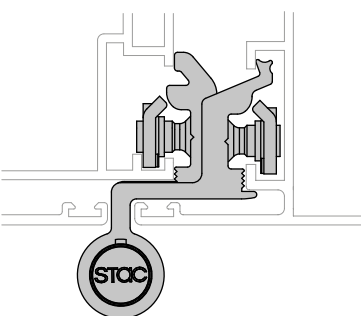
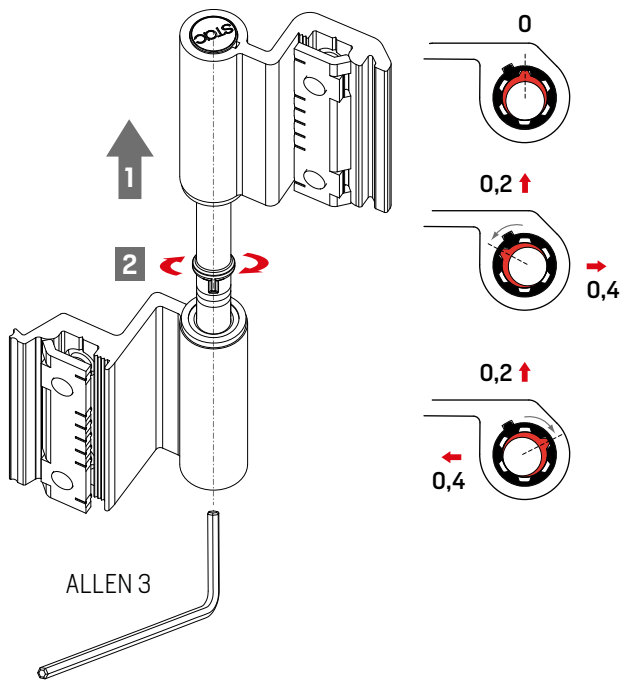
**TECHNICAL CHARACTERISTICS**

- The counterplates incorporate a special teeth to prevent slipping.
- The bushing covers the entire pin, insulating it from the outdoors.
- Valid for Euro Groove coplanar profiles
- Adjustable version with eccentric pin
- Two body reversible hinge.
- It is supplied semi-mounted for right or left hand.
- Maximum load with 2 hinges: 50 kg.
- Maximum load with 3 hinges: 60 kg.

**Adjustable Carina**

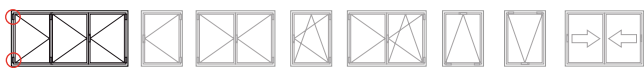
- Eccentric pin that allows horizontal and tightening adjustment.

See technical data sheet



CANAL EUROPEO [EJE 10]  
 EURO GROOVE [10 SHAFT]





4<sup>th</sup> sash hinge for Euro Groove window profiles.

Bisagra de 4ª hoja para perfiles de ventana de Canal Europeo.

### TECHNICAL CHARACTERISTICS

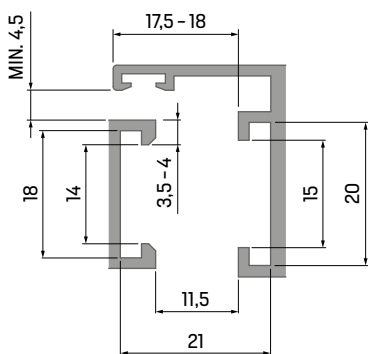
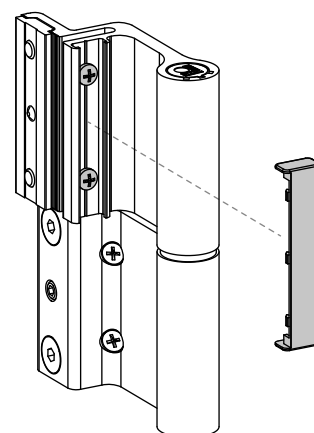
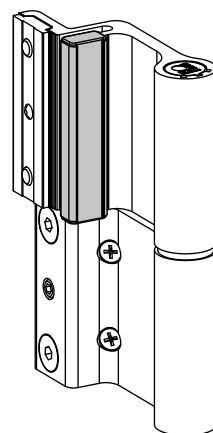
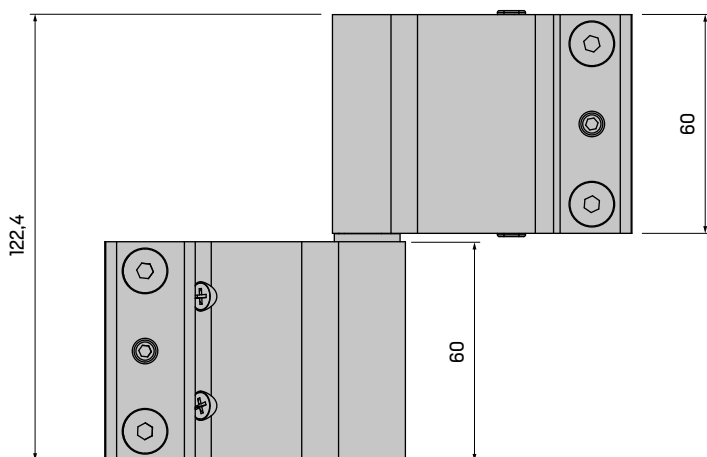
- Installation in the profile without the need for machining.
- Allows a horizontal adjustment of  $\pm 1$  mm.
- Incorporation of a set screw to prevent slipping.
- Both leaves are provided with holes for self-tapping screws.
- Acetal bushing prevents wear and noise.
- Maximum loads: see technical data sheet.

### CARACTERÍSTICAS TÉCNICAS

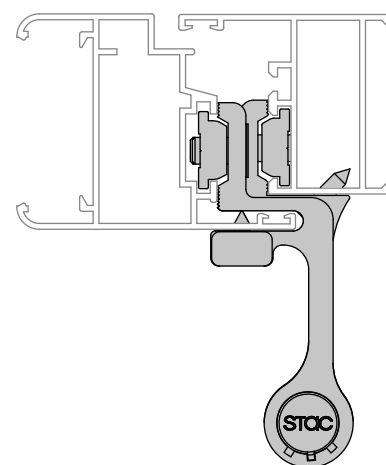
- Instalación en el perfil sin necesidad de realizar mecanizados.
- Permite una regulación horizontal de  $\pm 1$  mm.
- Incorporación un tornillo prisionero para evitar el deslizamiento.
- Ambas palas van provistas de taladros para tornillos roscachapa.
- Casquillo fabricado en acetal que evita el desgaste y los ruidos.
- Cargas máximas: consultar ficha técnica.

**\*\***  
  
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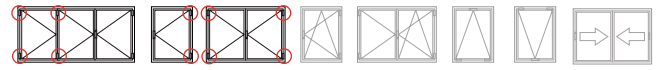


CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)



# BISAGRA CARINA 3ª HOJA CANAL CENTRADO

## CARINA 3<sup>rd</sup> SASH HINGE CENTRAL GROOVE



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| A0107 | D | ** |
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Bisagras de 3ª y 4ª hoja para perfiles de ventana de Canal Centrado.

3<sup>rd</sup> and 4<sup>th</sup> sash hinges for Central Groove window profiles.

### CARACTERÍSTICAS TÉCNICAS

- Las contraplacas incorporan un dentado especial para evitar el deslizamiento.
- El casquillo recubre todo el bulón, aislándolo de la intemperie.
- El diseño de la bisagra permite que sea automontable en el perfil.
- Bisagras reversibles de dos y tres cuerpos respectivamente.
- Se suministra semimontada para su colocación a derechas o izquierdas.
- Carga máxima con 2 bisagras: 50 kg.
- Carga máxima con 3 bisagras: 60 kg.
- Carga máxima para bisagra de 4ª hoja: consultar ficha técnica.

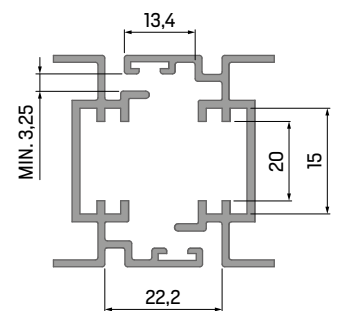
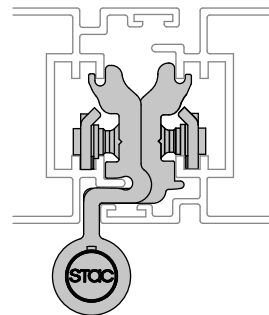
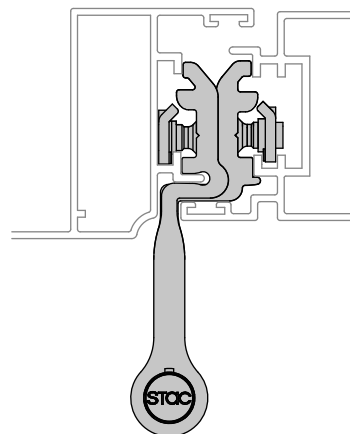
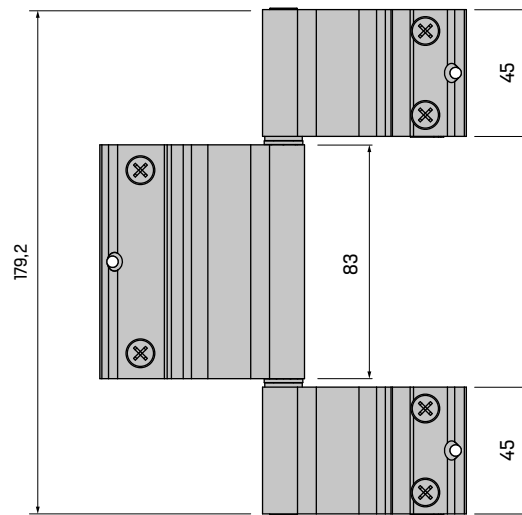
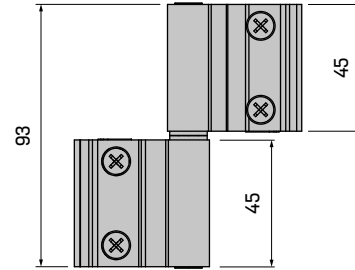
### TECHNICAL CHARACTERISTICS

- The counterplates incorporate a special teeth to prevent slipping.
- The bushing covers the entire pin, insulating it from the outdoors.
- The design of the hinge allows it to be self-assembled in the profile.
- Reversible hinges with two and three bodies respectively.
- It is supplied semi-mounted for right or left hand.
- Maximum load with 2 hinges: 50 kg.
- Maximum load with 3 hinges: 60 kg.
- Maximum load for 4th leaf hinge: see technical data sheet.

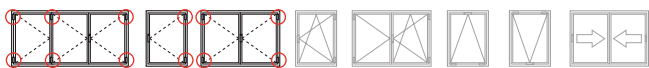
# BISAGRA CARINA 4ª HOJA CANAL CENTRADO

## CARINA 4<sup>th</sup> SASH HINGE CENTRAL GROOVE

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| A0108 | D | ** |
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CANAL CENTRADO  
CENTRAL GROOVE



# BISAGRA CARINA TAMIZ 3ª HOJA CANAL CENTRADO

## CARINA TAMIZ 3<sup>rd</sup> SASH HINGE CENTRAL GROOVE

Self-assembly 3<sup>rd</sup> and 4<sup>th</sup> sash hinges for Central Groove window profiles.

Bisagras automontables de 3ª y 4ª hoja para perfiles de ventana de Canal Centrado.

### TECHNICAL CHARACTERISTICS

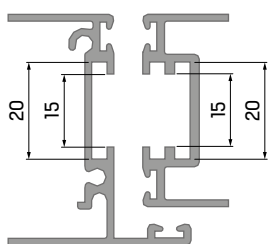
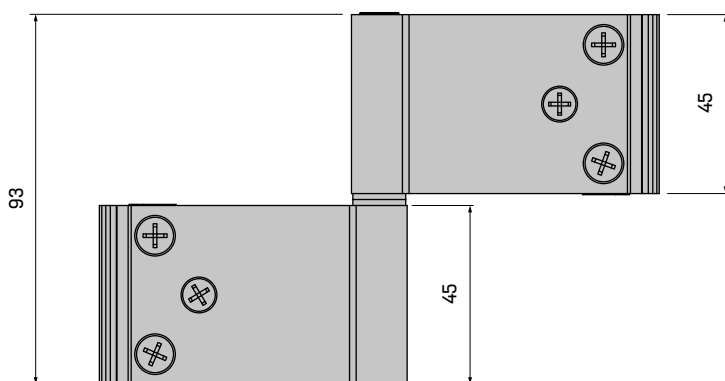
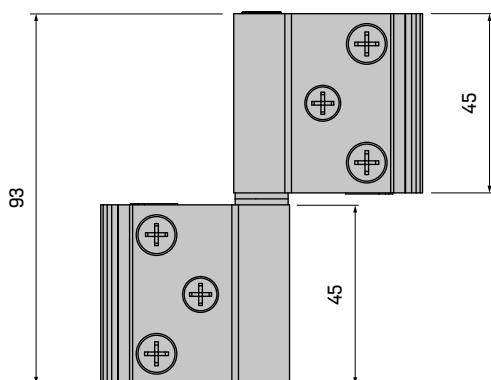
- The counterplates incorporate a special teeth to prevent slipping.
- A third drill hole is incorporated for a self-tapping screw and ensure the fixation to the profile.
- Two body reversible hinges.
- They are supplied assembled both right and left hand.
- Maximum loads: see technical data sheet.

### CARACTERÍSTICAS TÉCNICAS

- Las contraplacas incorporan un dentado especial para evitar el deslizamiento.
- Incorporan un tercer taladro para un tornillo rosca-chapa y asegurar la fijación al perfil.
- Bisagras reversibles de dos cuerpos.
- Se suministran montadas tanto a derechas como a izquierdas.
- Cargas máximas: consultar ficha técnica.



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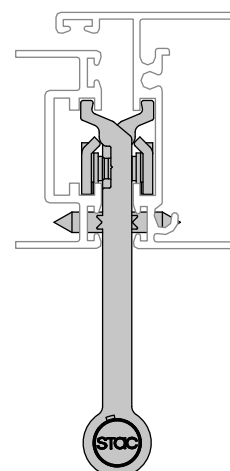
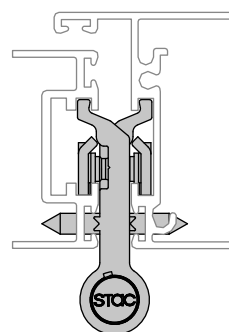
CANAL CENTRADO  
CENTRAL GROOVE

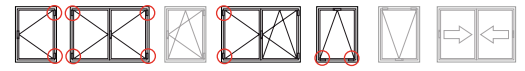
# BISAGRA CARINA TAMIZ 4ª HOJA CANAL CENTRADO

## CARINA TAMIZ 4<sup>th</sup> SASH HINGE CENTRAL GROOVE



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|       | I |    |





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| 025 | D | ** |
|     | I |    |



Bisagra regulable y automontable para perfiles de ventana de Canal Europeo.

**CARACTERÍSTICAS TÉCNICAS**

- Pala marco universal válida para la mayoría de los perfiles de marco Canal Europeo.
- Bulón excéntrico que permite regulación horizontal y de apriete mediante llave Allen de 3 mm.
- Contraplaca anti-deslizamiento que duplica la capacidad de agarre y mejora el pre-montaje.
- Bisagra reversible de dos cuerpos.
- Se suministra montada tanto a derechas como a izquierdas.
- Carga máxima con 2 bisagras: 60 kg.
- Carga máxima con 3 bisagras: 75 kg.

Ver ficha técnica

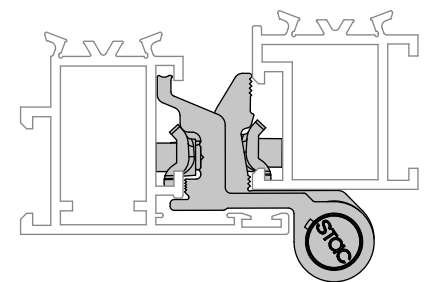
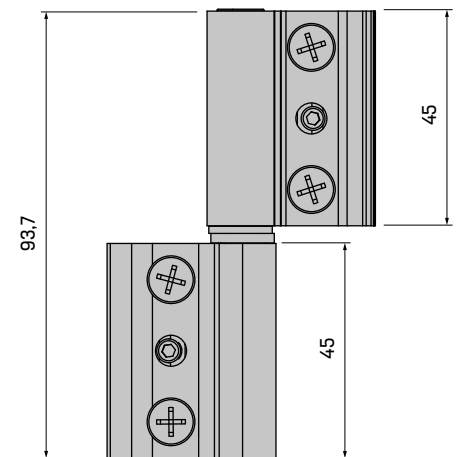
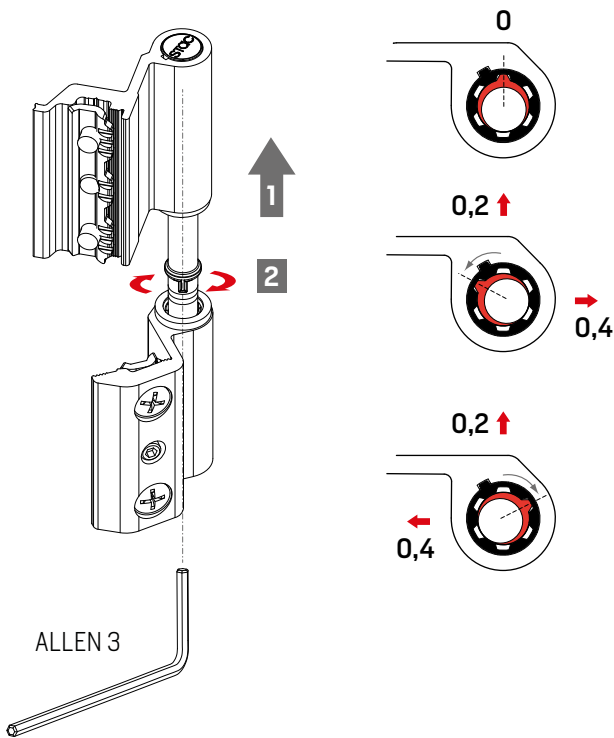
Adjustable and self-assembly hinge for Euro Groove window profiles.

**TECHNICAL CHARACTERISTICS**

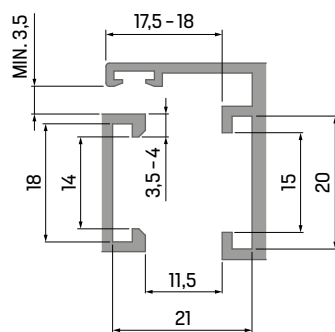
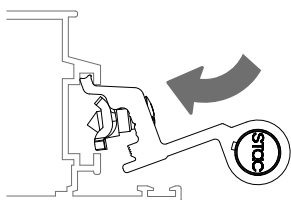
- Universal leaf frame which is valid for the majority of Euro Groove sash profiles.
- Eccentric pin that allows horizontal and tightening adjustment of by means of 3 mm Allen key.
- Anti-slip counterplate which doubles the grip capacity and improves pre-assembly.
- Two body reversible hinge.
- It is supplied assembled both for right and left hand.
- Maximum loading with 2 hinges: 60 kg.
- Maximum loading with 3 hinges: 75 kg.

See technical data sheet

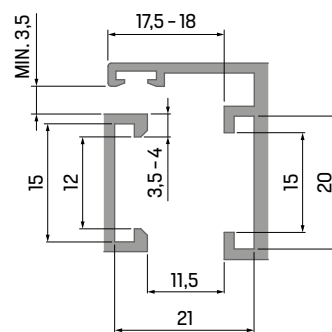
**REGULACIONES NORMA FAST**  
**NORMA FAST ADJUSTMENTS**



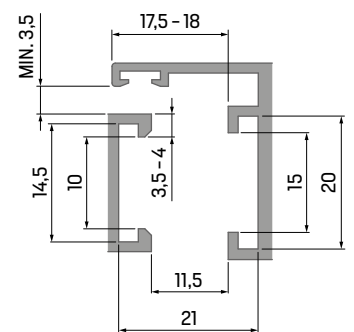
**PRE-MONTAJE**  
**PRE-ASSEMBLY**



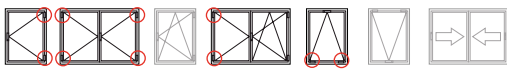
**CANAL EUROPEO (EJE 10)**  
EURO GROOVE (10 SHAFT)



**CANAL EUROPEO (EJE 10)**  
EURO GROOVE (10 SHAFT)



**CANAL EUROPEO (EJE 10)**  
EURO GROOVE (10 SHAFT)



Adjustable and self-assembly hinge for Euro Groove window profiles.

Bisagra regulable y automontable para perfiles de ventana de Canal Europeo.

### TECHNICAL CHARACTERISTICS

- Universal leaf frame which is valid for the majority of Euro Groove sash profiles.
- Eccentric pin that allows horizontal and tightening adjustment of by means of 3 mm Allen key.
- Zamak counterplates
- It is supplied assembled both for right and left hand.
- Maximum loading with 2 hinges: 60 kg.
- Maximum loading with 3 hinges: 75 kg.

See technical data sheet

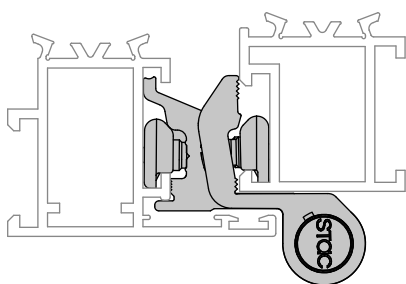
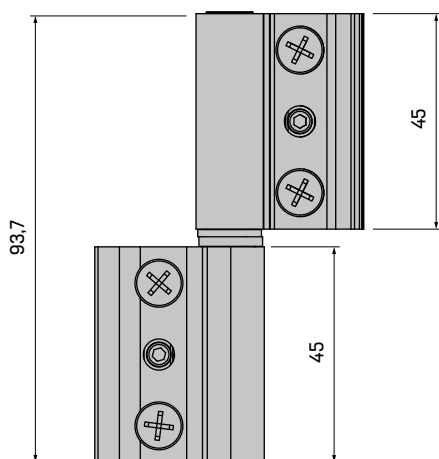
### CARACTERÍSTICAS TÉCNICAS

- Pala marco universal válida para la mayoría de los perfiles de marco Canal Europeo.
- Bulón excéntrico que permite regulación horizontal y de apriete mediante llave Allen de 3 mm.
- Contraplacas de zamak
- Se suministra montada tanto a derechas como a izquierdas.
- Carga máxima con 2 bisagras: 60 kg.
- Carga máxima con 3 bisagras: 75 kg.

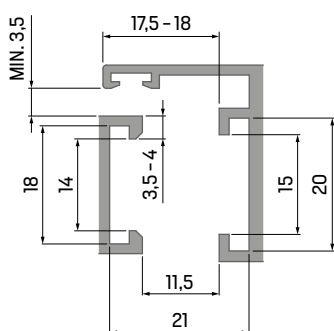
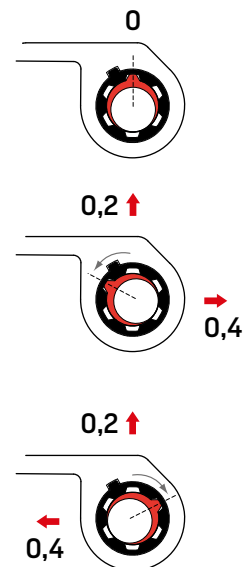
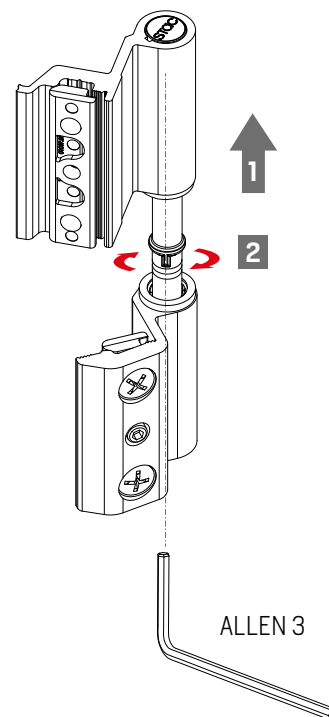
Ver ficha técnica



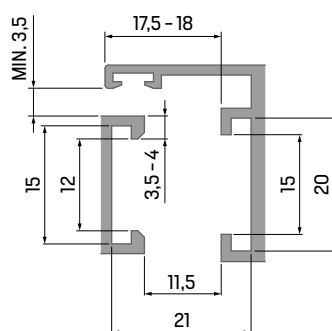
|     |   |    |
|-----|---|----|
| 024 | D | ** |
|     | I |    |



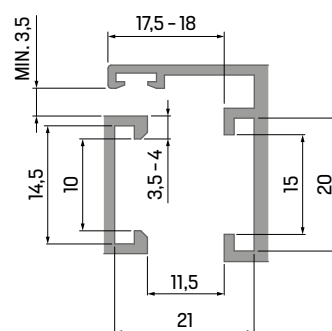
### REGULACIONES NORMA ECO NORMA ECO ADJUSTMENTS



CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)



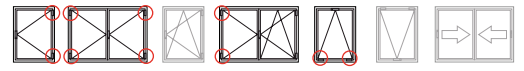
CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)



CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)

# BISAGRA 40/20 2 PALAS

## 40/20 2-LEAF HINGE



|     |   |    |
|-----|---|----|
| 026 | D | ** |
|     | I |    |



- \*\*
- RAL
- AL INX
- PA ZM
- PH 2
- ALLEN 2,5
- 
- 

Bisagras válidas series convencionales tipo 4000 y 6000.

### CARACTERÍSTICAS TÉCNICAS

- Contraplacas automontables de zamak con prisioneros de fijación.
- Regulación lateral  $\pm 0,5$  mm mediante casquillos excéntricos.
- Carga máxima con 2 bisagras: 60 kg.
- Carga máxima con 3 bisagras: 75 kg.
- Bisagra de montaje rápido.

Ver ficha técnica

Hinges valid for conventional series 4000 and 6000 type.

### TECHNICAL CHARACTERISTICS

- Self-assembling zamak counterplates with locking pins.
- Lateral adjustment  $\pm 0,5$  mm by means of eccentric bushes.
- Maximum load with 2 hinges: 60 kg.
- Maximum load with 3 hinges: 75 kg.
- Quick assembly hinge.

See technical data sheet

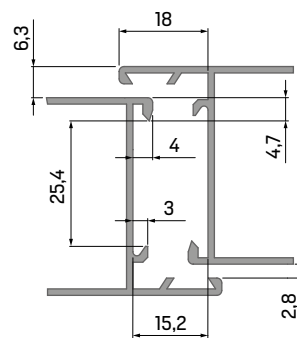
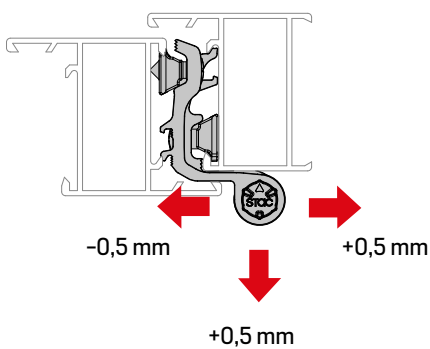
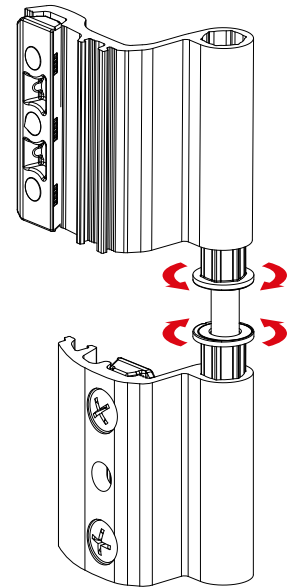
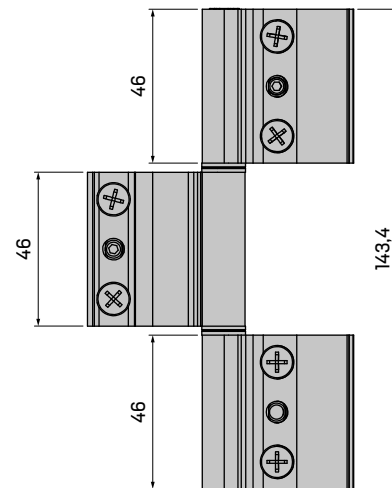
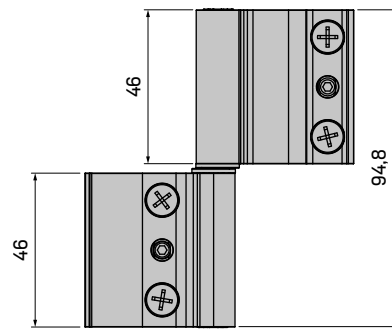
# BISAGRA 40/20 3 PALAS

## 40/20 3-LEAF HINGE

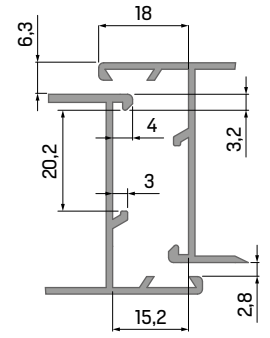
|     |   |    |
|-----|---|----|
| 029 | D | ** |
|     | I |    |



- \*\*
- RAL
- AL INX
- PA ZM
- PH 2
- ALLEN 2,5
- 
- 



SERIES 6000  
6000 SERIES



SERIES 4000  
4000 SERIES

# 2

## Cremonas y manillas Cremones & handles

### Familia MINIMALISTAS

MINIMALIST Family

### Familia SIRIUS

SIRIUS Family

### Familia POLARIS

POLARIS Family

### Familia ALTAIR

ALTAIR Family

### Familia LEO

LEO Family

### Manillón y uñero ATRIA

ATRIA handle & finger pull

### Familia KAIROX

KAIROX Family

### Cremona HYDRA apertura exterior

HYDRA cremone outward opening

### Notas técnicas

Technical data



# MANILLAS MINIMALISTAS

## MINIMALIST HANDLES



**Mecanismo oculto**  
Hidden mechanism



**Máxima durabilidad**  
Highest durability



**Carta de colores RAL**  
RAL colour chart



**Robustez contrastada**  
Tested robustness

Para las personas que anhelan la sensación de creatividad, calidad y estilo en sus espacios, STAC introduce la nueva línea minimalista de manillas para ventana y puerta con el fin de ofrecer una gama completa de soluciones técnicas de la más alta calidad.

En el planteamiento se ha prescindido de todos los elementos innecesarios, desarrollando un mecanismo oculto que sólo deja expuesta la manilla dando como resultado una familia de manillas válidas para aperturas practicables y oscilobatientes que garantizan una gran fiabilidad y robustez a lo largo de todo su vida útil.

### Línea completa

La línea de manillas minimalistas es válida para diferentes tipos de apertura existentes en el mercado:

- Puerta
- Ventana
- Soluciones estándar para cuadradillo de 7 mm

### Gama completa de acabados

Disponibilidad en toda la gama de acabados de STAC:

- Lacado en toda la gama de acabados RAL, incluso acabados de pintura metalizadas, texturizadas y moteadas.
- Anodizado: natural mate e inox mate.

For those people who wish to have a sensation of creativity, quality and style, STAC is pleased to present their new minimalist line of handles for windows and doors, a complete range of the highest quality technical solutions.

The design of these handles does away with all unnecessary elements and we have developed a hidden mechanism so the only part on display is the handle itself. The result is a family of handles which can be used on both casement and tilt-turn windows with guaranteed reliability and strength throughout their lifecycle.

### Línea completa

The line of minimalist handles is valid for different types of opening existing in the market:

- Door
- Windows
- Standard solutions with 7 mm spindle

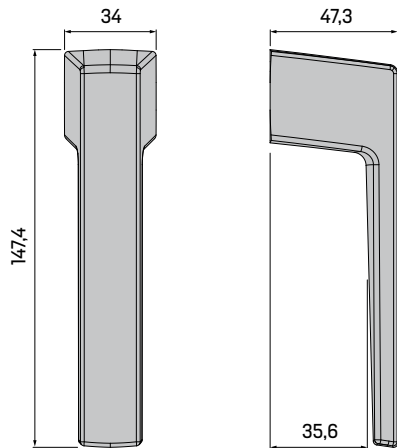
### Full range of finishes

Available in all finishes offered by STAC:

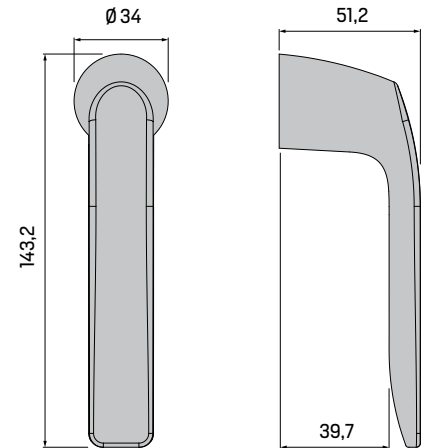
- Lacquered in a full range of RAL colours including metallic, textured and speckled paint finishes.
- Anodized: natural matte or stainless steel matte.



ESTÉTICA RECTA  
STRAIGHT AESTHETIC

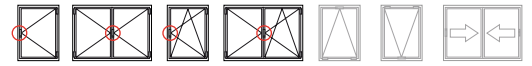


ESTÉTICA CURVA  
CURVED AESTHETIC



PRACTICABLE Y OSCILOBATIENTE  
CASEMENT AND TILT & TURN

MULTIPUNTO Y CANAL 16 mm  
MULTIPOINT & 16 mm GROOVE



MANILLA MINIMALISTA ALFA  
ALFA MINIMALIST HANDLE



Manilla de ventana válida para aperturas practicables y oscilobatientes.

**CARACTERÍSTICAS TÉCNICAS**

- Manilla sin escudo.
- Cuadradillo de 8mm, más resistente.
- Indicación sonora de posición cada 90°.
- Sistema de guiado de la manilla que minimiza holguras.
- Esta manilla sólo monta con la caja de transmisión A770001.

**Caja de transmisión**

- Tope para practicable que limita el giro de la manilla a 90°.
- Pieza telescópica regulable para adaptarse a cualquier hoja.
- Fijación al perfil mediante tornillos.

Window handle valid for casement and tilt & turn openings.

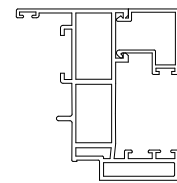
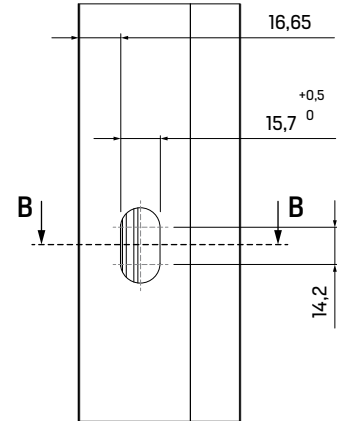
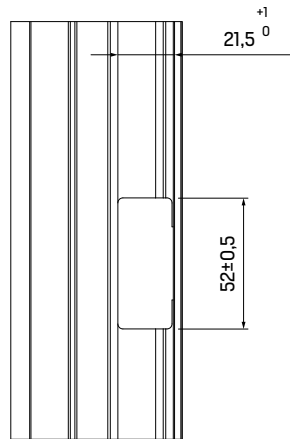
**TECHNICAL CHARACTERISTICS**

- Sleeveless handle.
- 8 mm spindle, increased resistance.
- Position sound indication every 90°.
- Handle guidance system which minimises clearances.
- This handle only mounts with the A770001 gearbox.

**Gearbox**

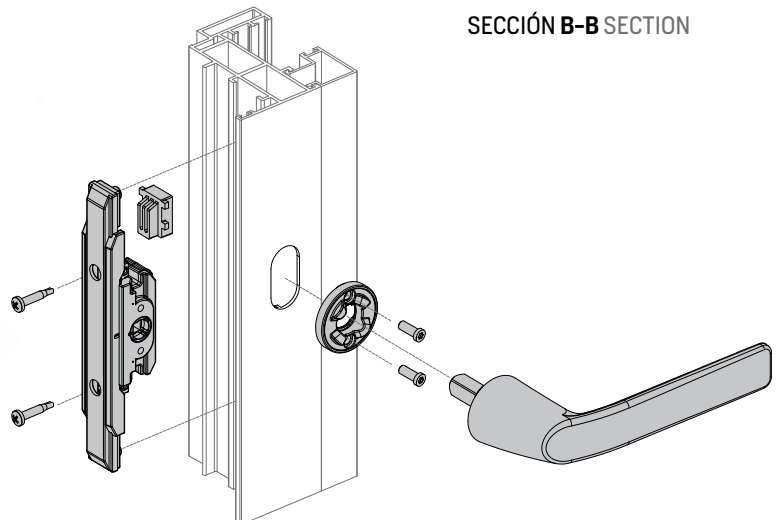
- Stopper for casement that limits the turn of the handle to 90°.
- Adjustable telescopic piece to adapt to any sash.
- Fixing to the profile by means of screws.

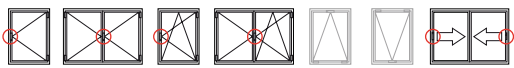
MANILLA MINIMALISTA GAMMA  
GAMMA MINIMALIST HANDLE



SECCIÓN B-B SECTION

CAJA DE TRANSMISIÓN  
GEARBOX





# MANILLAS MINIMALISTAS CAJA DE TRANSMISIÓN 7 mm

## MINIMALIST WINDOW HANDLES 7 mm GEARBOX

Handle for multipoint openings,  
16 mm groove and standard solutions  
with 7 mm spindle

### TECHNICAL CHARACTERISTIC

- Sleeveless handle.
- Position sound indication every 90°.
- Possibility of micro-ventilation in multipoint systems.
- Floating pieces that allow adaptation to different profiles.
- Handle guidance system which minimises clearances.

Manilla válida para aperturas de  
multipunto, canal 16 mm y soluciones  
estándar para cuadradillo de 7 mm.

### CARACTERÍSTICAS TÉCNICAS

- Manilla sin escudo.
- Indicación sonora de posición cada 90°.
- Posibilidad de microventilación en sistemas multipunto.
- Piezas flotantes que permiten la adaptación a distintos perfiles.
- Sistema de guiado de la manilla que minimiza holguras.

### MANILLA MINIMALISTA ALFA

#### ALFA MINIMALIST HANDLE



2 APOYOS  
2 FIXTURES

|      |    |
|------|----|
| 7711 | ** |
|------|----|

4 APOYOS  
4 FIXTURES

|      |    |
|------|----|
| 7721 | ** |
|------|----|



### MANILLA MINIMALISTA GAMMA

#### GAMMA MINIMALIST HANDLE

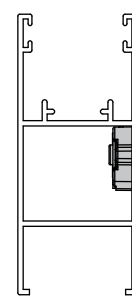
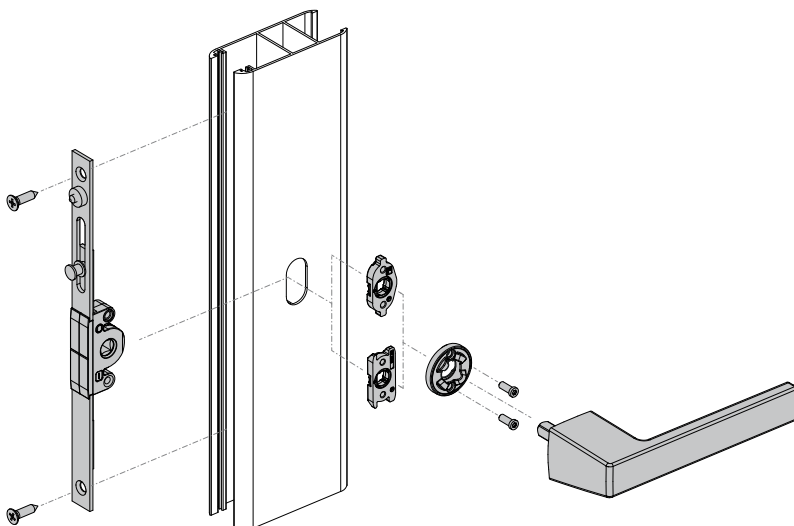
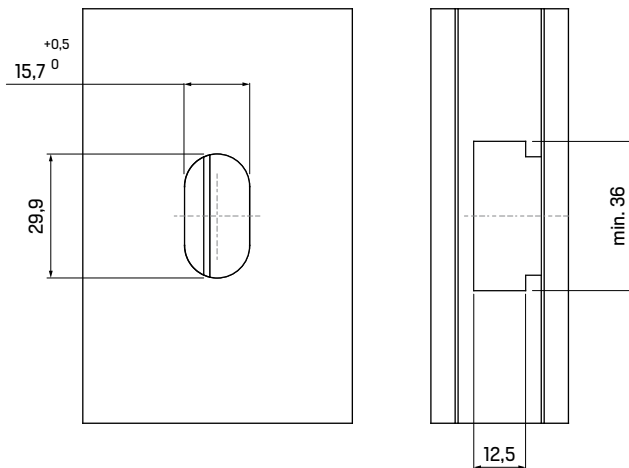


2 APOYOS  
2 FIXTURES

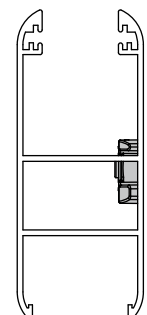
|      |    |
|------|----|
| 7713 | ** |
|------|----|

4 APOYOS  
4 FIXTURES

|      |    |
|------|----|
| 7723 | ** |
|------|----|



2 APOYOS FIXTURES



4 APOYOS FIXTURES

# MANETA EXTRAÍBLE

DETACHABLE HANDLE



Clipaje directo  
Direct clipping



Indicación sonora  
Sound indication



Carta de colores RAL  
RAL colour chart



Robustez contrastada  
Tested robustness

STAC ha posicionado la **cremona SIRIUS extraíble** como referente dentro del mercado de cremonas con maneta extraíble destacando por su estándar de calidad e innovación logrando una alta demanda del producto.

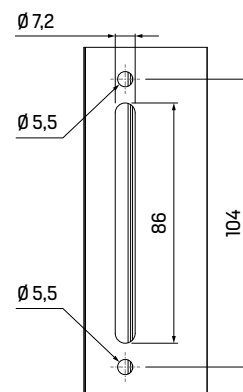
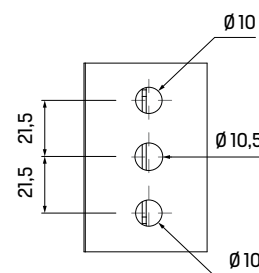
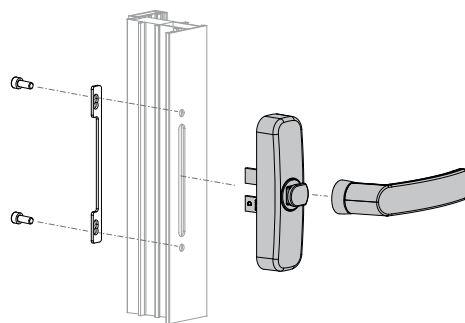
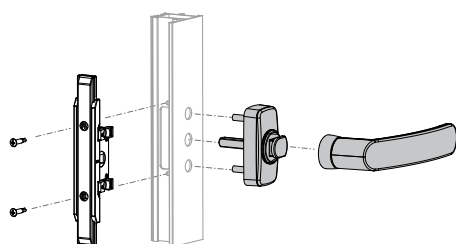
Siguiendo esta tendencia, los clientes demandan actualmente un mecanismo de reducidas dimensiones para las manillas con cuadradillo, por lo que STAC añade a su gama de herraje con manetas extraíbles la **manilla POLARIS extraíble**. Este novedoso producto llega para dar una solución sólida y robusta en el exigente mercado del cerramiento.

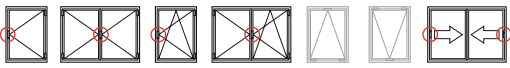
The market leading **SIRIUS detachable cremone** from STAC stands out for the standards of quality and innovation which make it a highly desirable product in the market for cremones with removable handles.

In keeping with this trend, clients have been asking for smaller, sleeker mechanisms for handles with spindles and so STAC has added the **POLARIS** detachable handle to their hardware range. This new product offers a solid and robust solution for the demanding market of door and window hardware.

## MANETA SIRIUS EXTRAÍBLE SIRIUS DETACHABLE HANDLE

0507167 \*\*





# CREMONA SIRIUS EXTRAÍBLE

## SIRIUS DETACHABLE CREMONE

Cremona and handle with detachable handle for tilt & turn and casement openings.

### TECHNICAL CHARACTERISTICS

- Direct clipping of the handle on the cremone case.
- Maximum cycle durability.

#### Sirius cremone

- Minimal and integrated design.

#### Polaris handle

- Valid for outward openings
- Micro-ventilation available.
- Sound position indication.

Cremona y manilla con maneta extraíble para aperturas oscilobatientes y practicables.

### CARACTERÍSTICAS TÉCNICAS

- Clipaje directo de la maneta sobre el escudo.
- Máxima durabilidad a ciclos

#### Cremona Sirius

- Diseño innovador e integrado.

#### Manilla Polaris

- Válida para aperturas exteriores.
- Microventilación disponible.
- Indicación sonora de posición.



|  |  |        |    |
|--|--|--------|----|
|  |  | A11541 | ** |
|  |  | A11571 | ** |
|  |  | A07941 | ** |



## CREMONA SIRIUS EXTRAÍBLE PRACTICABLE

### SIRIUS CASEMENT DETACHABLE CREMONE



|  |        |    |
|--|--------|----|
|  | A07901 | ** |
|--|--------|----|

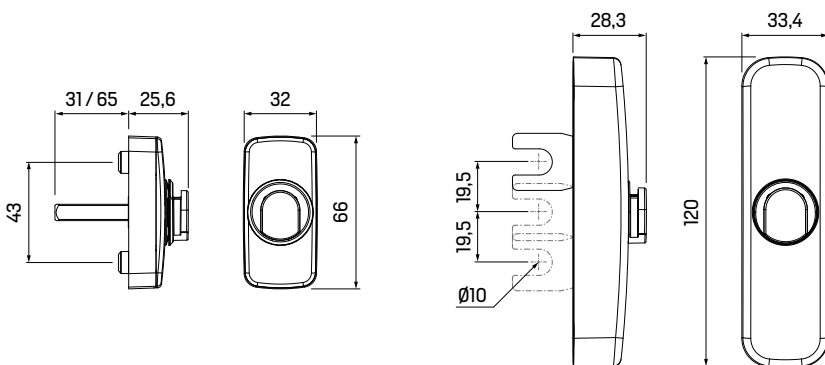
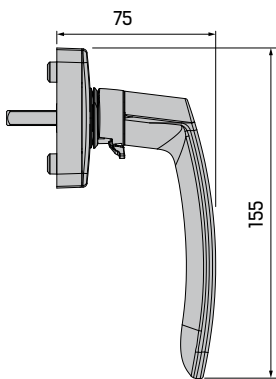
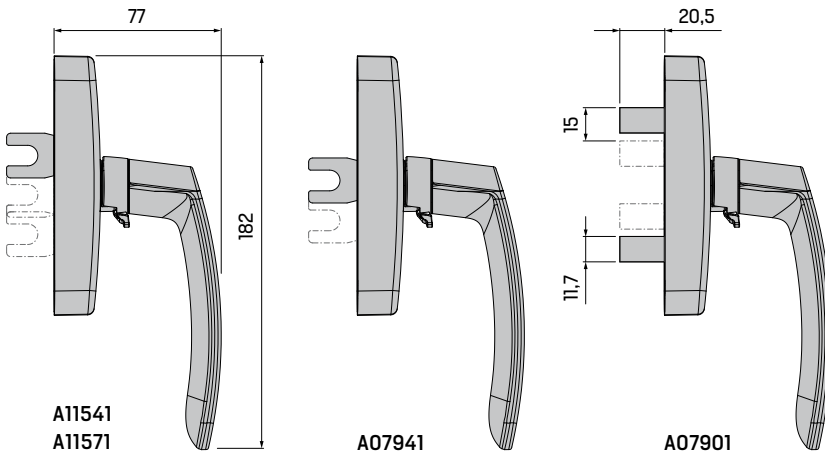


## MANILLA POLARIS EXTRAÍBLE

### DETACHABLE POLARIS HANDLE



|                                    |       |    |
|------------------------------------|-------|----|
| <input type="checkbox"/> 7 x 31 mm | S5774 | ** |
| <input type="checkbox"/> 7 x 65 mm | T5774 | ** |





|       |    |                   |
|-------|----|-------------------|
| A0790 | ** | Derecha<br>Right  |
| A0791 | ** | Izquierda<br>Left |



Cremona de ventana para aperturas practicables.

### CARACTERÍSTICAS TÉCNICAS

- Diseño de líneas puras y estilizadas.
- Sistema de fijación rápido y sencillo.
- Palas y piñón de acero.
- Por cada caja a derechas van 5 palas a izquierdas.

Ver notas técnicas

Window cremone for casement openings.

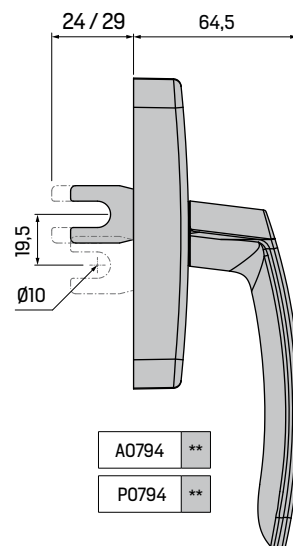
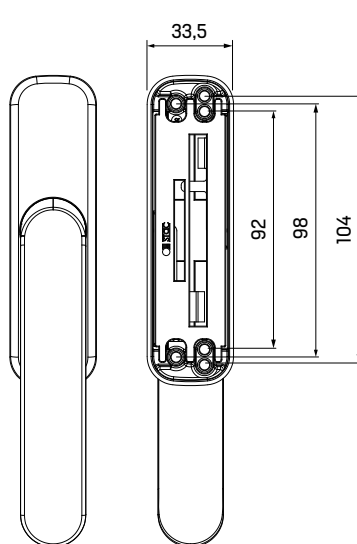
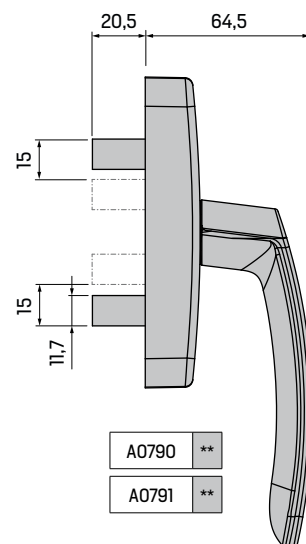
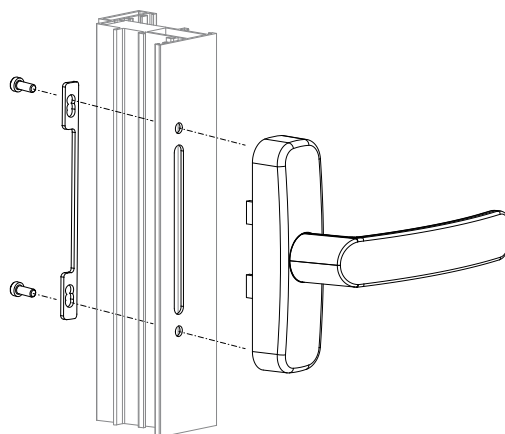
### TECHNICAL CHARACTERISTICS

- Design of pure and stylish lines.
- Quick and easy fixing system.
- Steel pinion and levers.
- For each box to the right there are 5 levers to the left.

See technical notes

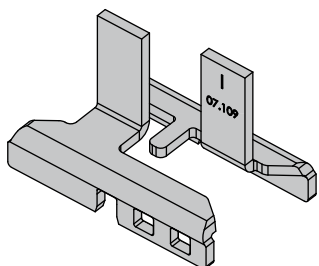
### CREMONA SIRIUS PRACTICABLE A LA FRANCESA SIRIUS FRENCH STYLE CASEMENT CREMONE

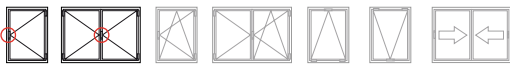
|       |    |                          |
|-------|----|--------------------------|
| A0794 | ** |                          |
| P0794 | ** | Pala larga<br>Long lever |



### KIT PALAS DE IZQUIERDAS LEFT LEVERS KIT

0507110





Window cremone with security cylinder lock.

Cremona de ventana con cerradura de seguridad.

### TECHNICAL CHARACTERISTICS

- Cremona with lock of the handle by key.
- Quick and easy fixing system.
- Steel pinion and levers.

See technical notes

### CARACTERÍSTICAS TÉCNICAS

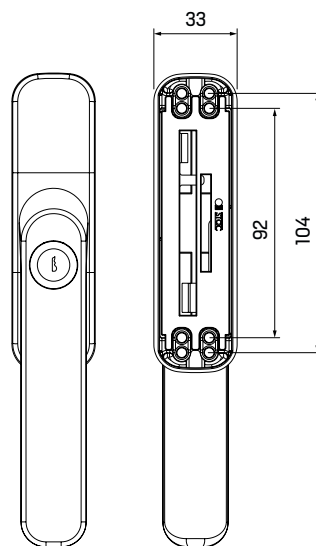
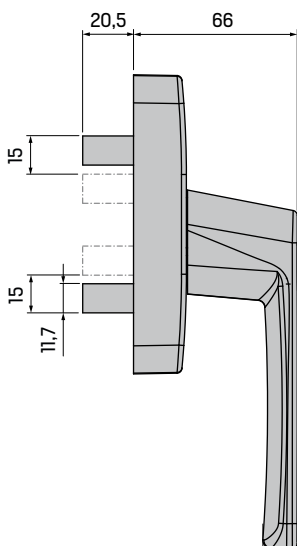
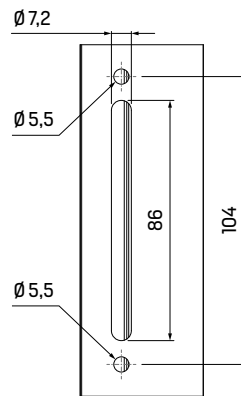
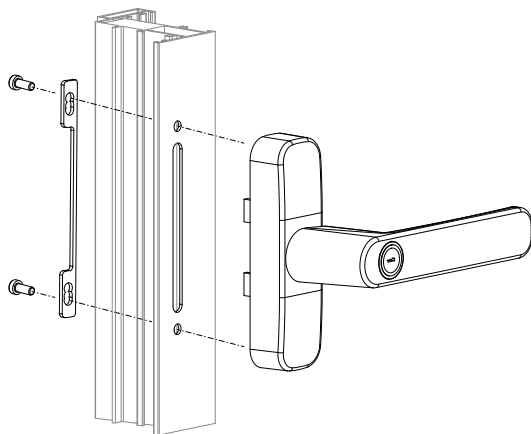
- Cremona con bloqueo de la maneta mediante llave.
- Sistema de fijación rápido y sencillo.
- Palas y piñón de acero.

Ver notas técnicas



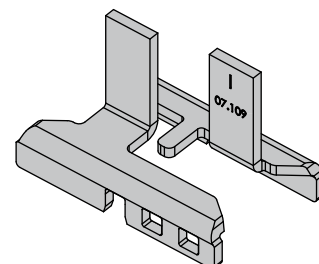
A0793

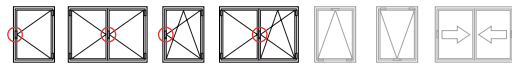
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### KIT PALAS DE IZQUIERDAS LEFT LEVERS KIT

0507110





A1154 \*\*



Cremona de ventana para aperturas practicables y oscilobatientes.

Window cremone for casement and tilt & turn openings.

**CARACTERÍSTICAS TÉCNICAS**

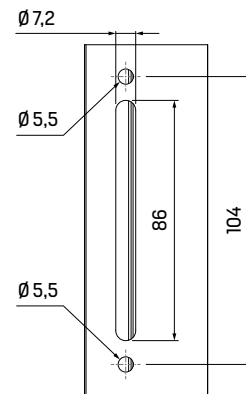
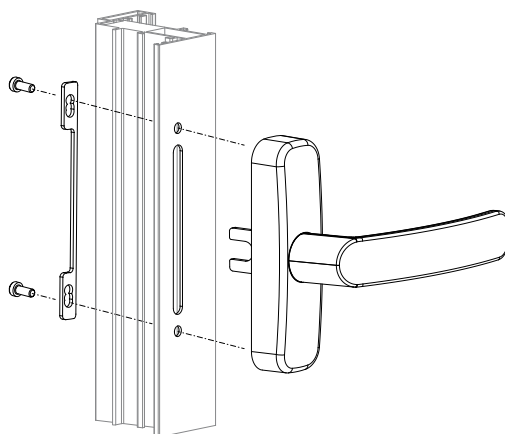
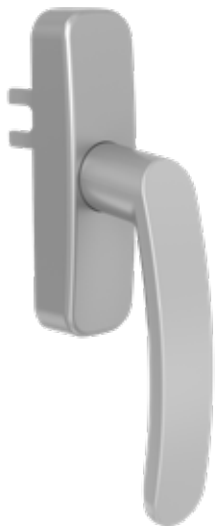
- Diseño de líneas puras y estilizadas.
- Sistema de fijación rápido y sencillo.
- Desplazamiento del herraje de 19,5 mm cada 90°.

**TECHNICAL CHARACTERISTICS**

- Design of pure and stylish lines.
- Quick and easy fixing system.
- 19,5 mm hardware displacement every 90°.

CREMONA SIRIUS SIN FUNDA  
SIRIUS CREMONE WITHOUT COVER

A1157 \*\*



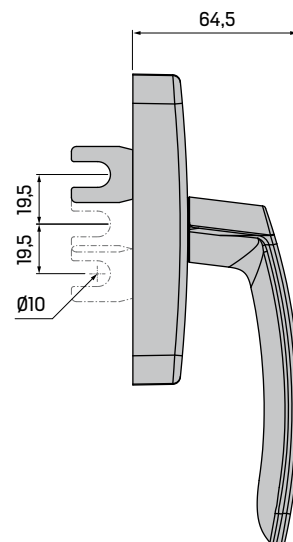
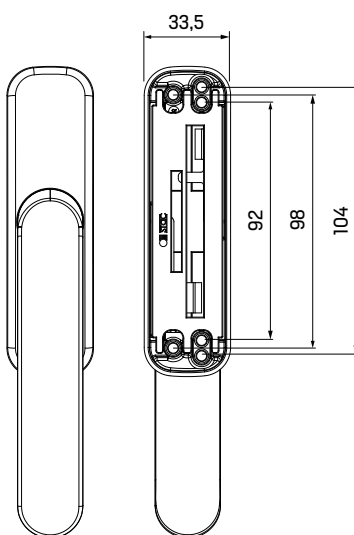
**FUNDA DE TRANSMISIÓN**  
TRANSMISSION COVER

PA 0511193

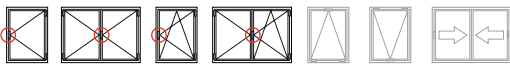
100

Por defecto todas las cremonas se suministran con funda de transmisión incluida si no se especifica lo contrario.

By default all cremones are supplied with transmission cover included unless otherwise specified.







Window cremone with security cylinder lock.

Cremona de ventana con cerradura de seguridad.

### TECHNICAL CHARACTERISTICS

- Cremone with lock of the handle by key in all the positions.
- Cylinder lock mechanism specially designed for tilt-before-turn openings that allows blocking at 90° with one pulse as well as total blocking with key.

See technical notes

### CARACTERÍSTICAS TÉCNICAS

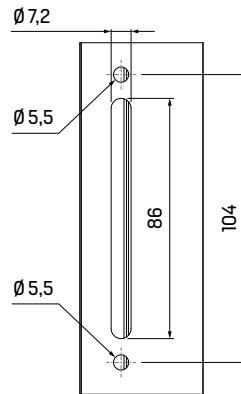
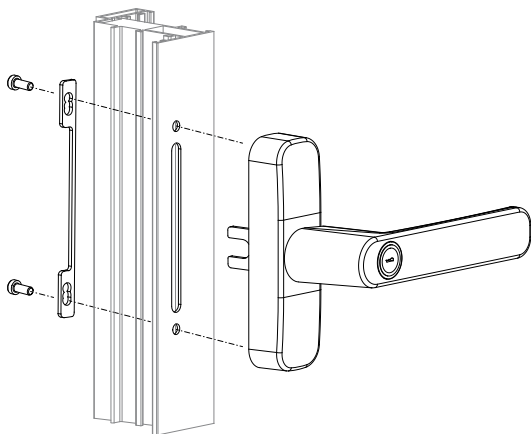
- Cremona con bloqueo de la maneta mediante llave en todas las posiciones.
- Mecanismo de bombillo especialmente diseñado para maniobra lógica que permite el bloqueo a 90° con una pulsación así como el bloqueo total con llave.

Ver notas técnicas



A1160

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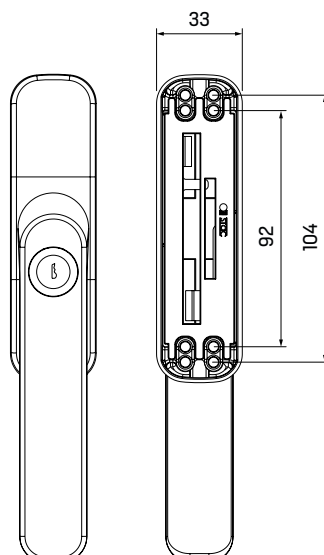
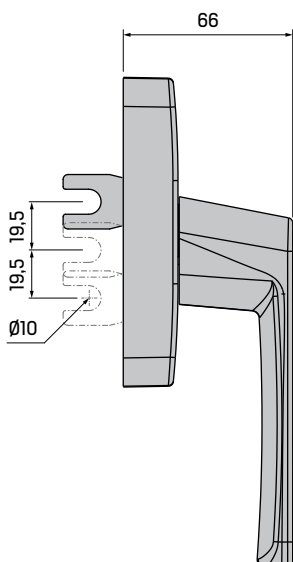


### CREMONA SIRIUS BLOCK SIN FUNDA SIRIUS BLOCK CREMONE WITHOUT COVER



A1163

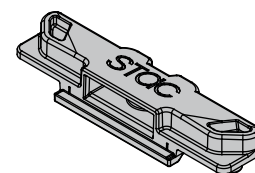
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### FUNDA DE TRANSMISIÓN TRANSMISSION COVER

PA

0511193

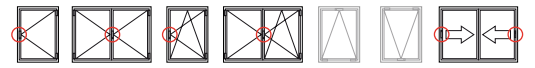


Por defecto todas las cremonas se suministran con funda de transmisión incluida si no se especifica lo contrario.

By default all cremones are supplied with transmission cover included unless otherwise specified.

# MANILLA SIRIUS

## SIRIUS HANDLE



A0771 \*\* □ 7x27 mm



Manilla de ventana para aperturas oscilobatientes y practicables.

Window handle for casement and tilt & turn openings.

### CARACTERÍSTICAS TÉCNICAS

- Válida para caja de transmisión y cierre multipunto.
- Cuadradillo de 7 mm.
- Mecanismo enjaulado para el escudo, dotándolo de mayor resistencia.

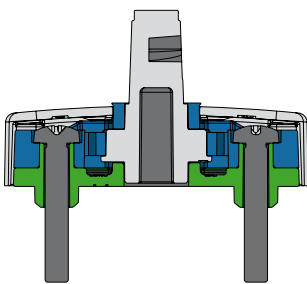
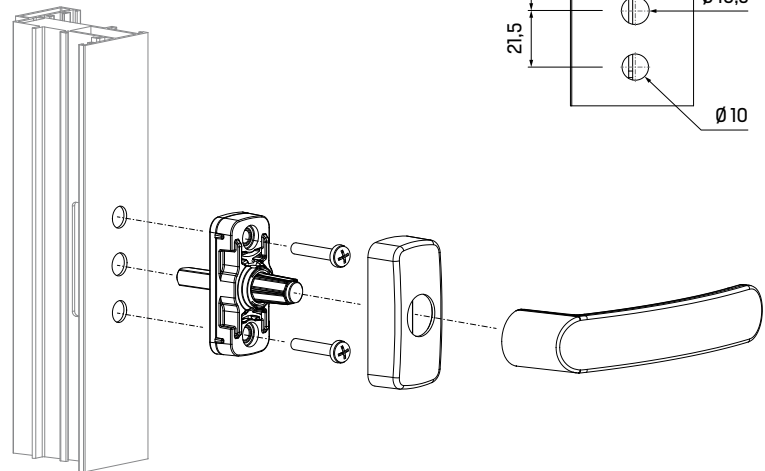
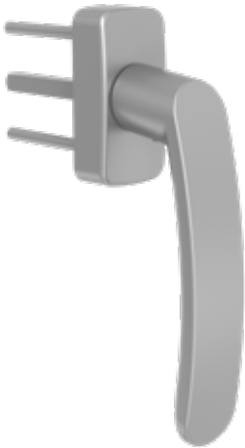
### TECHNICAL CHARACTERISTICS

- Valid for gearbox and multipoint lock systems.
- 7 mm spindle.
- Caged mechanism for the cover, making it more resistant.

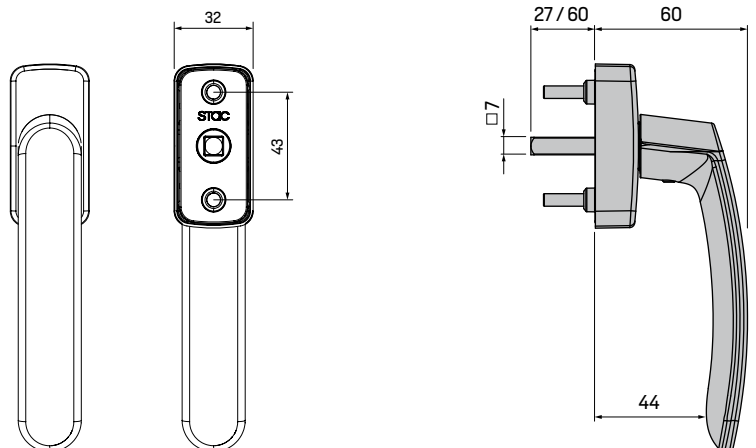
# MANILLA SIRIUS APERTURA EXTERIOR

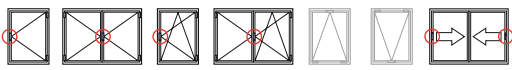
## SIRIUS HANDLE OUTWARD OPENING

A0775 \*\* □ 7x60 mm



MECANISMO REFORZADO CON SOPORTE DE ZAMAK  
REINFORCED MECHANISM WITH ZAMAK SUPPORT





Fixing kit for Sirius handle set.

**TECHNICAL CHARACTERISTICS**

- Fastening with safety screws that prevent access from the outside.
- They can be installed on profiles up to 65 mm or 85 mm thick.

**Fixing kit K0771-03**

- Allows to change the standard fixing system of the Sirius handles for a fastening with rivet nuts.

**Fixing kit K0771-04**

- Allows to change the standard fixing system of the Sirius handles for a fixing where the handles are screwed by means of self-tapping screws to the profile.

Kit de fijación para doble manilla Sirius.

**CARACTERÍSTICAS TÉCNICAS**

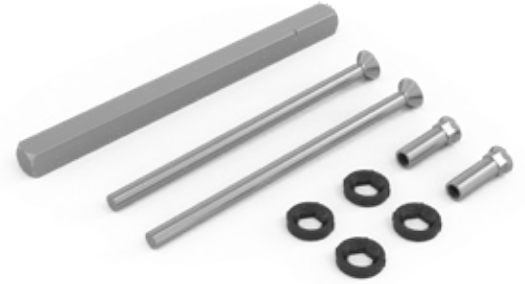
- Fijación con tornillos de seguridad que impiden el acceso desde el exterior.
- Permiten su instalación en perfiles de hasta 65 mm o 85 mm de espesor.

**Kit de fijación K0771-03**

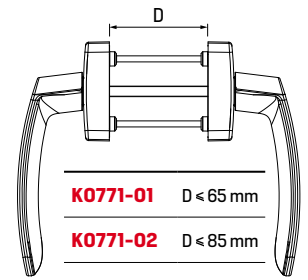
- Permite cambiar el sistema de fijación estándar de las manillas Sirius por una fijación con tuercas remachables.

**Kit de fijación K0771-04**

- Permite cambiar el sistema de fijación estándar de las manillas Sirius por una fijación en donde las manillas son atornilladas mediante tornillos rosca chapa al perfil.



K0771-01  
K0771-02



KIT DE FIJACIÓN CON TUERCAS REMACHABLES  
RIVET NUTS FIXING KIT



K0771-03

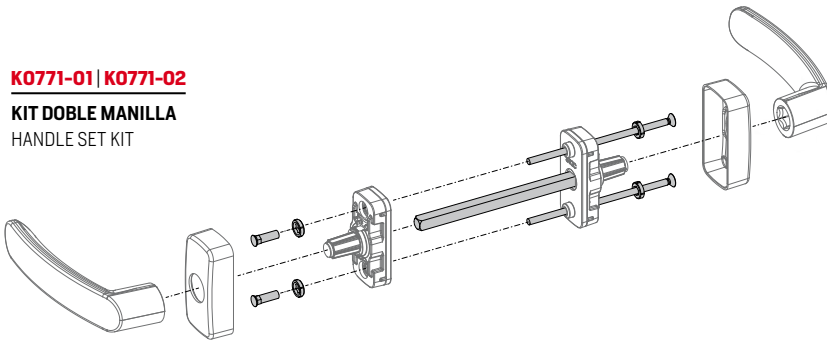
KIT DE FIJACIÓN CON TORNILLOS ROSCA CHAPA  
SELF-TAPPING SCREWS FIXING KIT



K0771-04

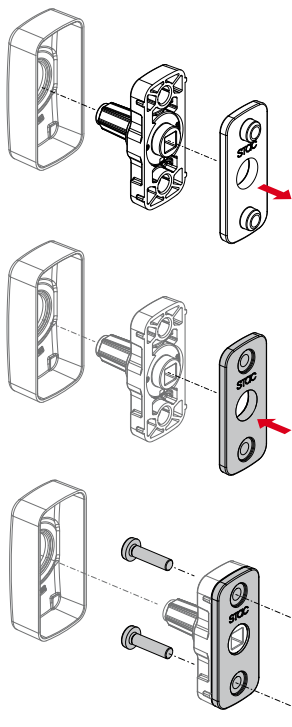
**K0771-01 | K0771-02**

**KIT DOBLE MANILLA  
HANDLE SET KIT**



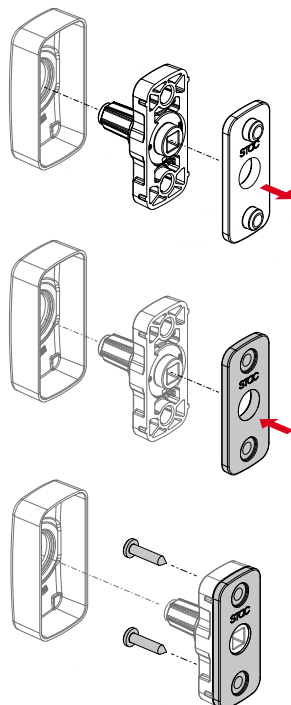
**K0771-03**

**KIT TUERCAS REMACHABLES  
RIVET NUTS KIT**



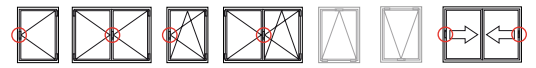
**K0771-04**

**KIT TORNILLOS ROSCA CHAPA  
SELF-TAPPING SCREW KIT**



# MANILLA SIRIUS ACODADA

## SIRIUS OFFSET HANDLE



**A0777** \*\* Derecha  
Right



Manillas acodadas para correderas con sistemas monopunto o multipunto.

### CARACTERÍSTICAS TÉCNICAS

- Estética armonizada con la línea manillas Sirius.
- Diseño estilizado y ergonómico.

Offset handles for sliding windows with single-point or multipoint systems.

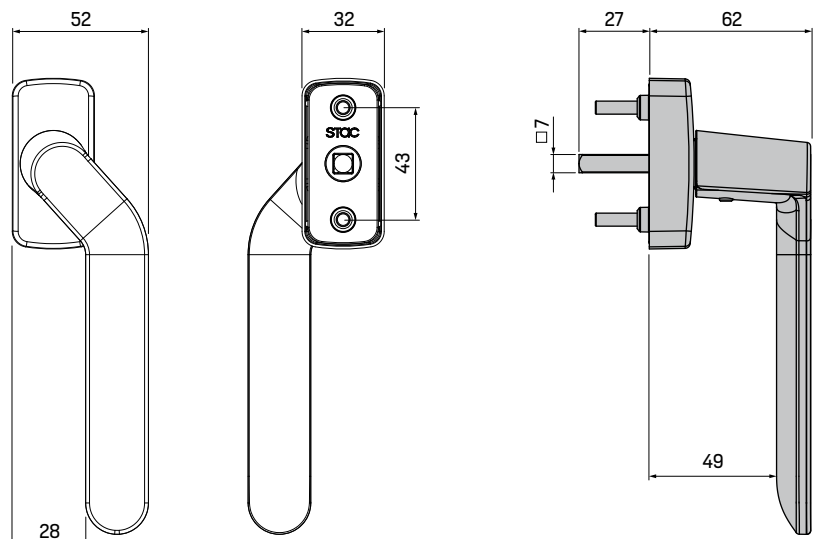
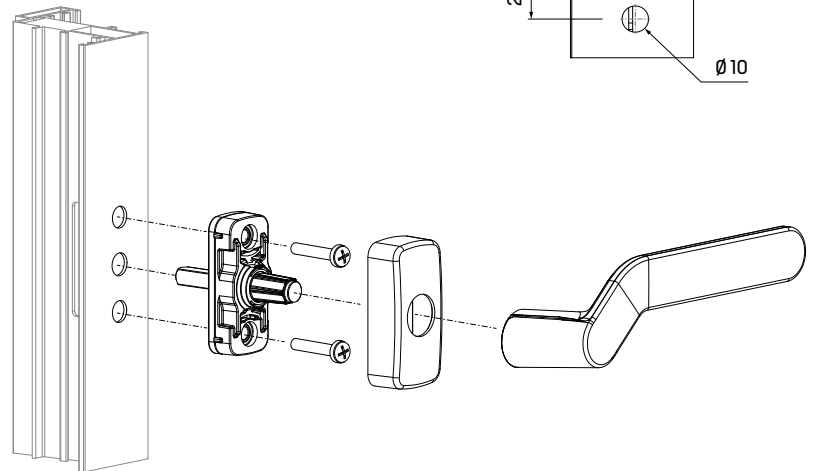
### TECHNICAL CHARACTERISTICS

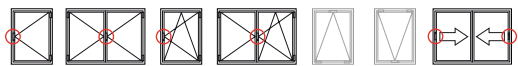
- Aesthetics harmonized with the Sirius handle line.
- Stylish and ergonomic design.

# MANILLA SIRIUS ACODADA

## SIRIUS OFFSET HANDLE

**A0778** \*\* Izquierda  
Left





Window handle for casement and tilt & turn openings.

Manilla de ventana para aperturas oscilobatientes y practicables.

**TECHNICAL CHARACTERISTICS**

- Valid for gearbox and multipoint lock systems.
- Quick mounting: integrated rotatable cover.
- Sound indication of the handle positions.
- Metallic components that provide a great resistance.
- Versions with different spindle sizes are available.

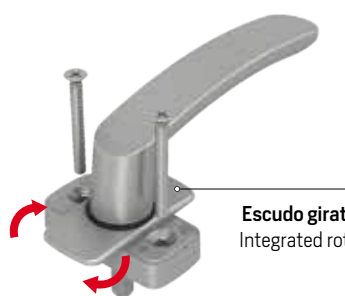
**CARACTERÍSTICAS TÉCNICAS**

- Válida para caja de transmisión y multipunto.
- Montaje rápido: escudo integrado giratorio.
- Indicación sonora de las posiciones de la manilla.
- Componentes metálicos que proporcionan una gran resistencia.
- Disponible versiones con diferentes medidas de cuadradillo.

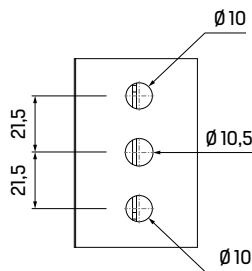
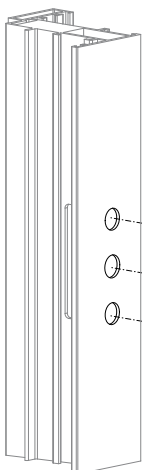
□ 7x29 mm

S5771

\*\*



Escudo giratorio integrado  
Integrated rotating cover

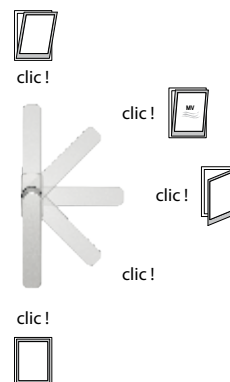
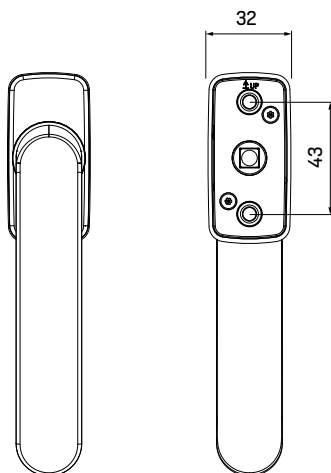
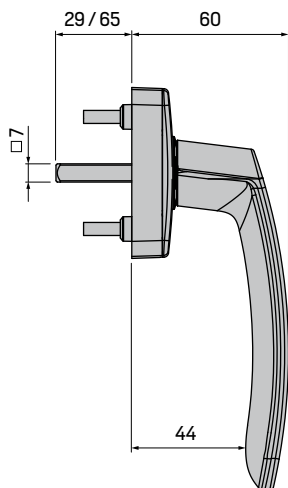


MANILLA POLARIS APERTURA EXTERIOR  
POLARIS HANDLE OUTWARD OPENING

□ 7x65 mm

S5775

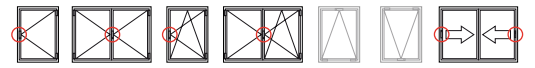
\*\*



Indicación sonora de las posiciones de la manilla  
Sound indication of the handle positions

# MANILLA POLARIS BLOCK

## POLARIS BLOCK HANDLE



S5773 \*\* □ 7x29 mm



Manilla de ventana con cerradura para aperturas oscilobatientes y practicables.

Window handle with lock for tilt & turn and casement openings.

### CARACTERÍSTICAS TÉCNICAS

- Válida para caja de transmisión y multipunto.
- Montaje rápido: escudo integrado giratorio.
- Bloqueo mediante botón y desbloqueo mediante llave.
- Indicación sonora de las posiciones de la manilla.
- Componentes metálicos que proporcionan una gran resistencia.
- Disponible versiones con diferentes medidas de cuadradillo.

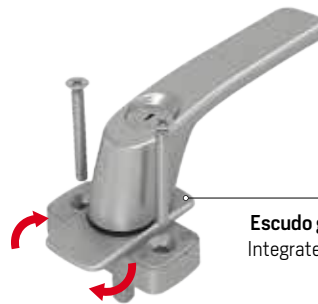
### TECHNICAL CHARACTERISTICS

- Valid for gearbox and multipoint lock systems.
- Quick mounting: integrated rotatable cover.
- Locking by means of a button and unlocking by means of a key.
- Sound indication of the handle positions.
- Metallic components that provide a great resistance.
- Versions with different spindle sizes are available.

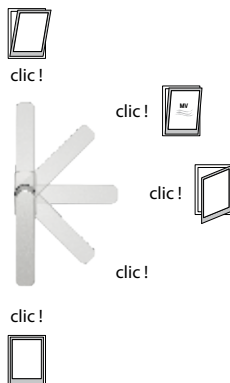
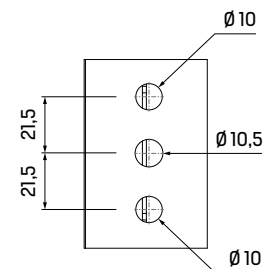
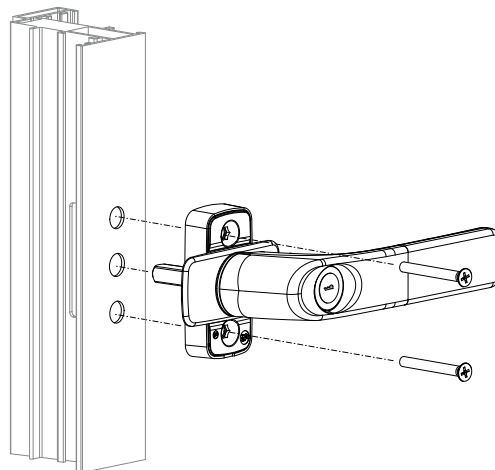
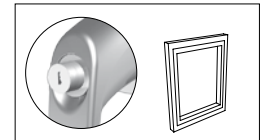
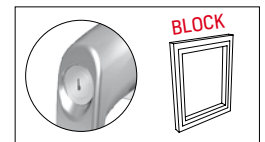
# MANILLA POLARIS BLOCK APERTURA EXTERIOR

## POLARIS BLOCK HANDLE OUTWARD OPENING

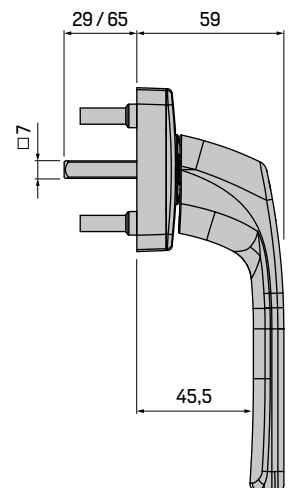
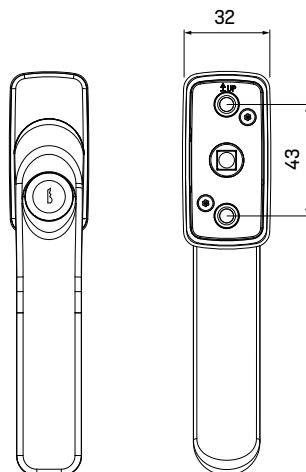
S5779 \*\* □ 7x65 mm

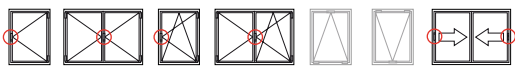


Escudo giratorio integrado  
Integrated rotating cover



Indicación sonora de las posiciones de la manilla  
Sound indication of the handle positions





Fixing kit for Polaris handle set.

**TECHNICAL CHARACTERISTICS**

- Fastening with safety screws that prevent access from the outside.
- They can be installed on profiles up to 55 mm or 90 mm thick.

**Fixing kit K5771-03**

- Allows to change the standard fixing system of the Polaris handles for a fastening with rivet nuts.

**Fixing kit K5771-04**

- Allows to change the standard fixing system of the Polaris handles for a fixing where the handles are screwed by means of self-tapping screws to the profile.

Kit de fijación para doble manilla Polaris.

**CARACTERÍSTICAS TÉCNICAS**

- Fijación con tornillos de seguridad que impiden el acceso desde el exterior.
- Permiten su instalación en perfiles de hasta 55 mm o 90 mm de espesor.

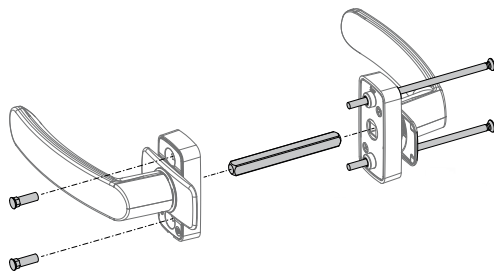
**Kit de fijación K5771-03**

- Permite cambiar el sistema de fijación estándar de las manillas Polaris por una fijación con tuercas remachables.

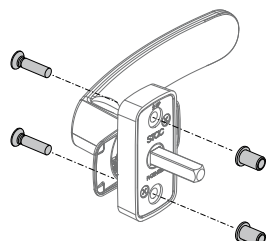
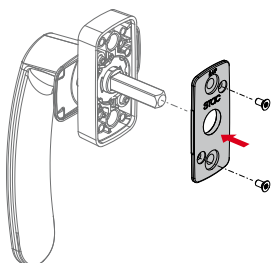
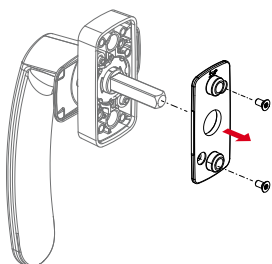
**Kit de fijación K5771-04**

- Permite cambiar el sistema de fijación estándar de las manillas Polaris por una fijación en donde las manillas son atornilladas mediante tornillos rosca chapa al perfil.

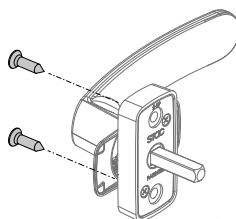
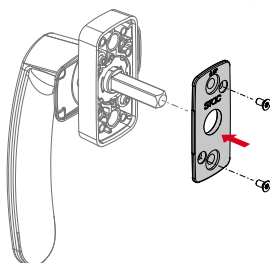
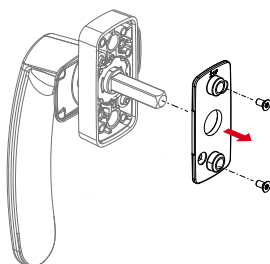
**K5771-01 | K5771-02**  
**KIT DOBLE MANILLA**  
HANDLE SET KIT



**K5771-03**  
**KIT TUERCAS REMACHABLES**  
RIVET NUTS KIT

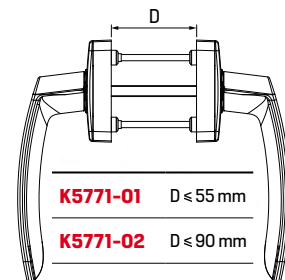
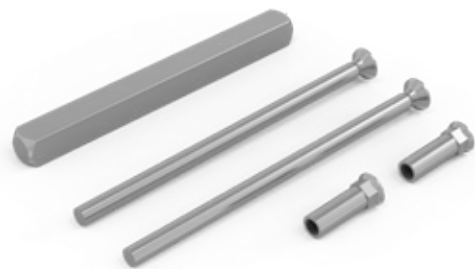


**K5771-04**  
**KIT TORNILLOS ROSCA CHAPA**  
SELF-TAPPING SCREW KIT



K5771-01

K5771-02



**KIT DE FIJACIÓN CON TUERCAS REMACHABLES**  
FIXING KIT WITH RIVET NUTS

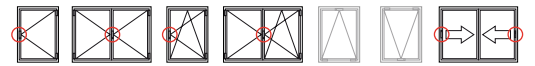
K5771-03



**KIT DE FIJACIÓN CON TORNILLOS ROSCA CHAPA**  
SELF-TAPPING SCREWS FIXING KIT

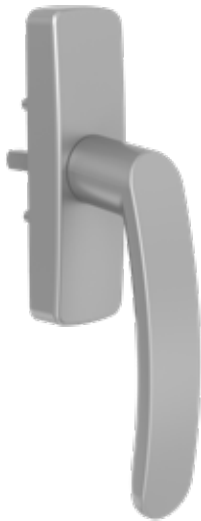
K5771-04





0771 \*\* R

15



Manilla de ventana reforzada para aperturas practicables y oscilobatientes.

**CARACTERÍSTICAS TÉCNICAS**

- Válidas para caja de transmisión y multipunto.
- Doble fijación al perfil y al herraje que consigue evitar deformaciones y dotar de gran estabilidad y refuerzo al sistema de cierre.
- Guías para tornillos centrales.
- Los tornillos de seguridad impiden manipular el herraje desde el exterior (ref. **A0507140**).
- Fijación al perfil mediante tornillos autotaladrantes sin necesidad de mecanizados adicionales.
- Apto para incorporación de remaches roscados para fijación al perfil por medio de tornillos de métrica.
- Disponibles longitudes de cuadradillo mayores para aplicaciones especiales.

Reinforced window handle for casement and tilt & turn openings.

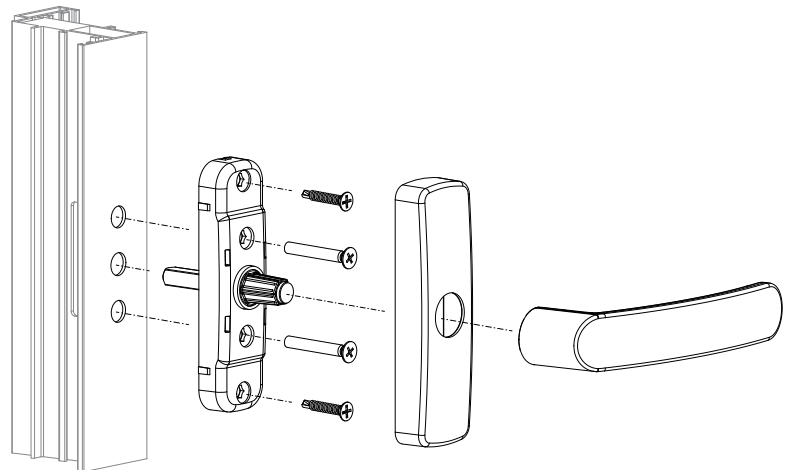
**TECHNICAL CHARACTERISTICS**

- Valid for gearbox and multipoint lock systems.
- Double fixation to the profile and to the hardware that avoids deformations and provides great stability and reinforcement to the closing system.
- Guides for central screws.
- The security screws prevent tampering of hardware from the outside (ref. **A0507140**).
- Fixing to the profile by self-drilling screws without the need for additional machining.
- Suitable for incorporation of threaded rivets for fixation to the profile by means of metric screws.
- Longer spindle lengths are available for special applications.

**KIT DE TORNILLOS DE SEGURIDAD**  
SECURITY SCREWS KIT

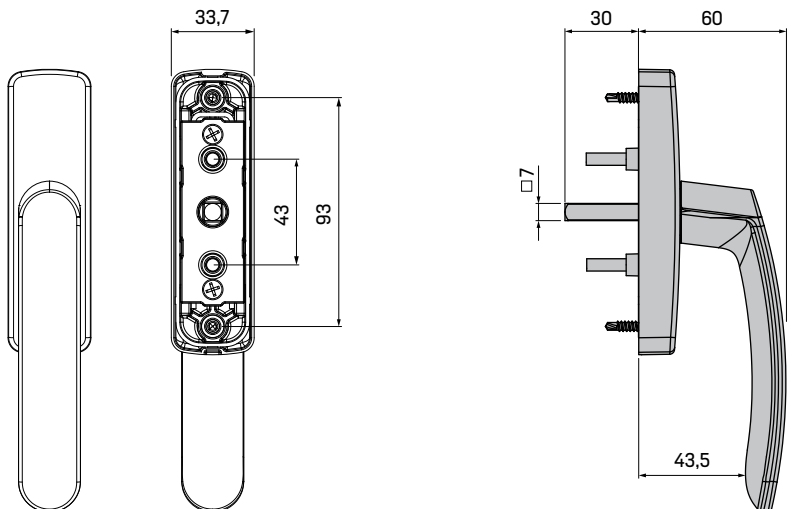
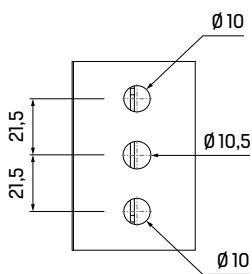
A0507140

100

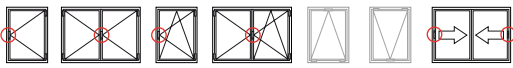


CUADRADILLO SPINDLE 7x 80 mm

TORNILLERÍA SCREWS M4 x 60 mm







Reinforced offset handles for sliding windows with single-point or multipoint systems.

### TECHNICAL CHARACTERISTICS

- Valid for inward and outward mounting.
- Double fixation to the profile and to the hardware that avoids deformations and provides great stability and reinforcement to the closing system.
- Guides for central screws.
- The security screws prevent tampering of hardware from the outside (ref. A0507140).
- Fixing to the profile by self-drilling screws without the need for additional machining.
- Suitable for incorporation of threaded rivets for fixation to the profile by means of metric screws.

Manillas acodadas reforzadas para ventanas correderas con sistemas monopunto o multipunto.

### CARACTERÍSTICAS TÉCNICAS

- Aptas para montaje exterior e interior.
- Doble fijación al perfil y al herraje que consigue evitar deformaciones y dotar de gran estabilidad y refuerzo al sistema de cierre.
- Guías para tornillos centrales.
- Los tornillos de seguridad impiden manipular el herraje desde el exterior (ref. A0507140).
- Fijación al perfil mediante tornillos autotaladrantes sin necesidad de mecanizados adicionales.
- Apto para incorporación de remaches roscados para fijación al perfil por medio de tornillos de métrica.



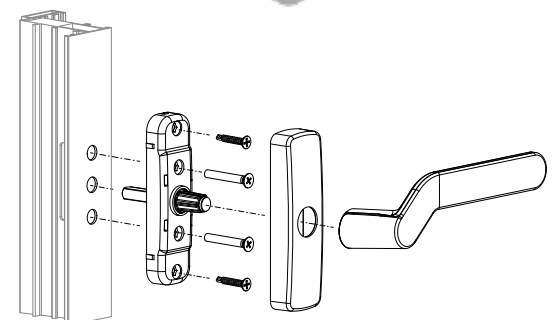
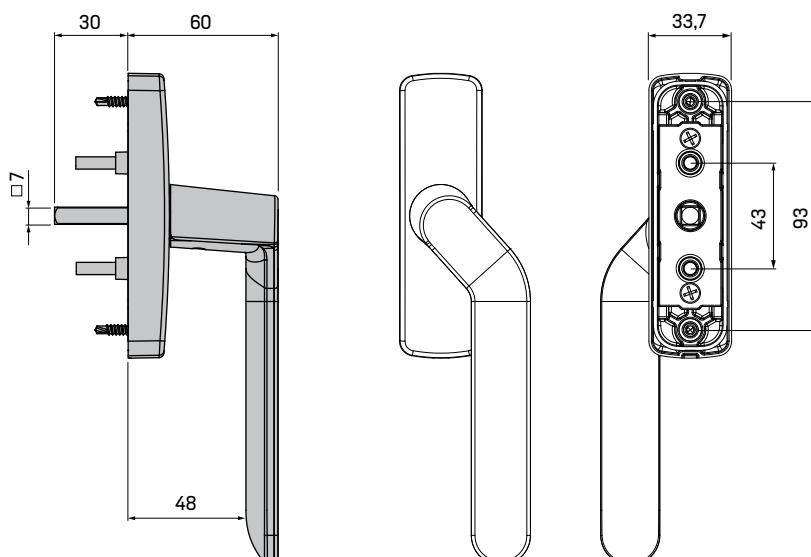
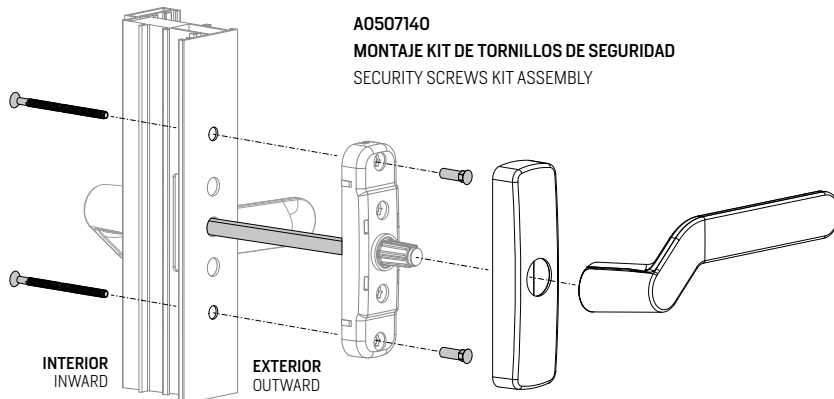
Derecha  
Right 0777 \*\* R



### MANILLA ALTAIR ACODADA ALTAIR OFFSET HANDLE



Izquierda  
Left 0778 \*\* R



# CREMONA SIRIUS PROYECTANTE

## SIRIUS TOP-HUNG WINDOW CREMONE



1166 \*\*



Cremona Sirius para aperturas proyectantes.

### CARACTERÍSTICAS TÉCNICAS

- Pala desplazada para aperturas proyectantes.

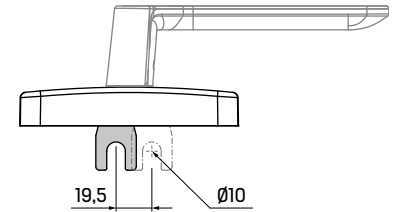
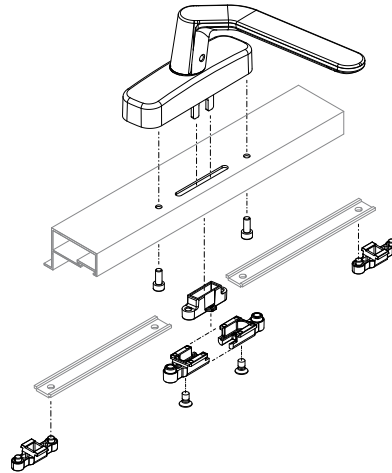
Más información en la sección de notas técnicas y en el capítulo "Abatible y Proyectante".

Sirius cremone for top-hung window openings.

### TECHNICAL CHARACTERISTICS

- Displaced lever for top-hung window openings.

More information in the technical notes section & "Bottom-hung & Top-Hung windows" chapter.

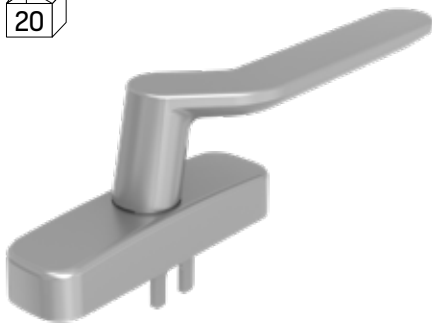


# CREMONA SIRIUS ACODADA PROYECTANTE

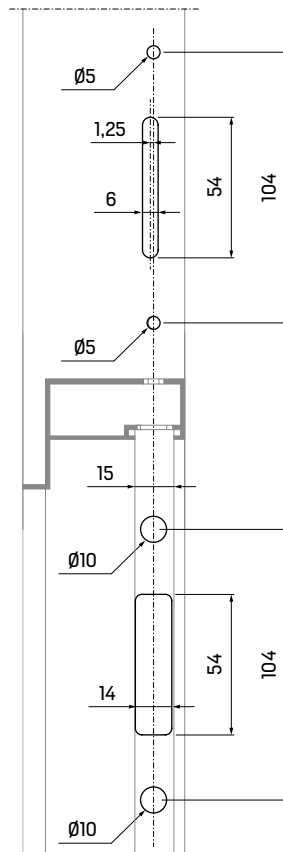
## SIRIUS OFFSET TOP-HUNG WINDOW CREMONE

1161 \*\* Derecha Right

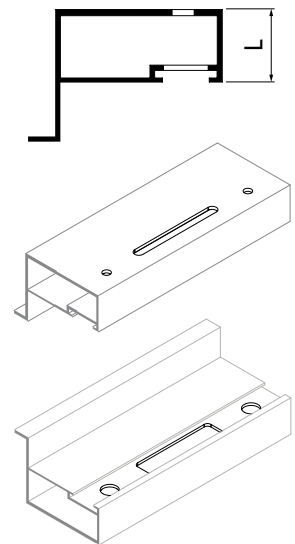
1162 \*\* Izquierda Left



MECANIZADOS: CREMONA Y TRANSMISIÓN  
MACHINING: CREMONE AND TRANSMISSION



L = 15 mm [MIN] / 29 mm [MAX]



# CREMONA SIRIUS BLOCK PROYECTANTE

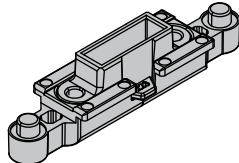
## SIRIUS BLOCK TOP-HUNG WINDOW CREMONE

A1167 \*\*




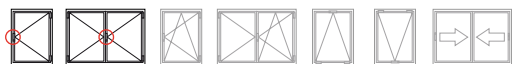
Por defecto todas las cremonas de proyectante se suministran sin transmisión

By default all top-hung window cremones are supplied without transmission



**TRANSMISIÓN PROYECTANTE**  
TOP-HUNG WINDOW TRANSMISSION

180100 



Window cremone for casement openings.

Cremona de ventana para aperturas practicables.

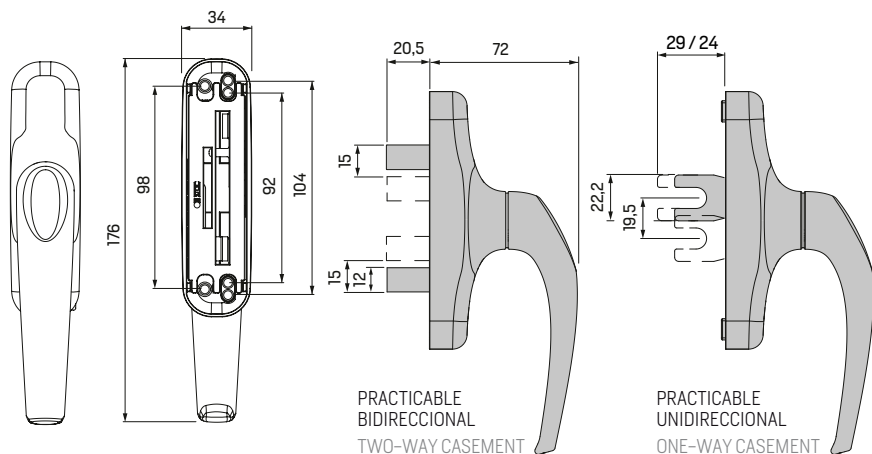
### TECHNICAL CHARACTERISTICS

- They are supplied mounted for right-hand opening and can be easily moved to the left by changing the position of the transmission levers.
- Steel pinion and levers.

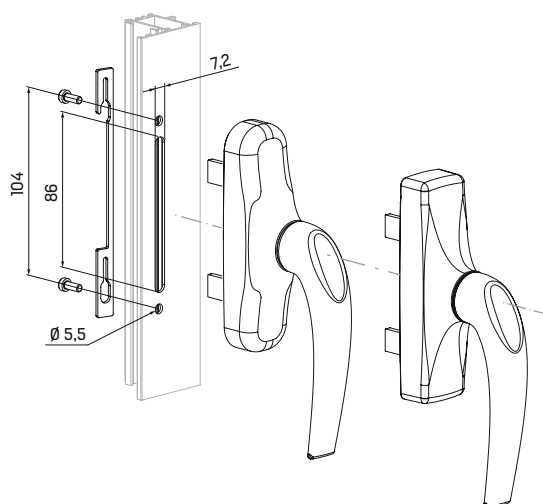
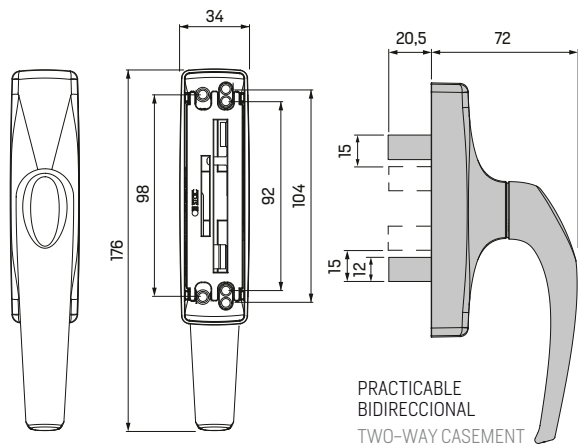
### CARACTERÍSTICAS TÉCNICAS

- Se suministran montadas para apertura a derechas pudiendo pasarlas fácilmente a izquierdas cambiando de posición las palas de transmisión.
- Palas y piñón de zamak.

#### CREMONA LEO REDONDA LEO ROUNDED CREMONE



#### CREMONA LEO CUADRADA LEO SQUARE CREMONE



0710 \*\*



#### CREMONA LEO A LA FRANCESA LEO CREMONE FRENCH STYLE



0760 \*\*

P0760 \*\*



#### CREMONA LEO CUADRADA BIDIRECCIONAL LEO CREMONE TWO-WAY SQUARE



0720 \*\*





0730 \*\*

20



Cremona de ventana con cerradura para aperturas practicables.

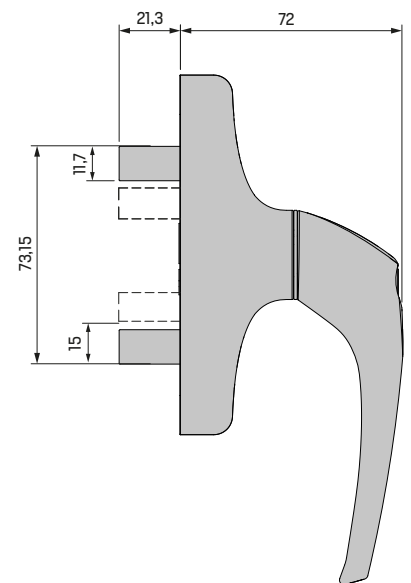
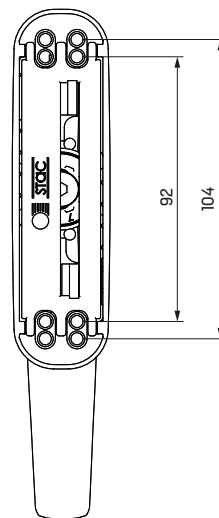
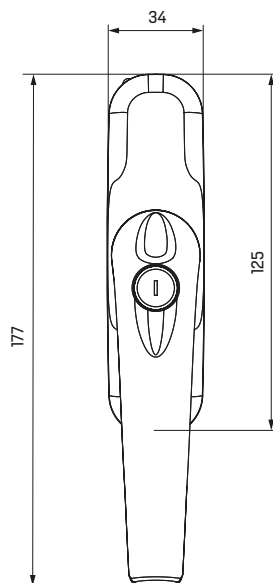
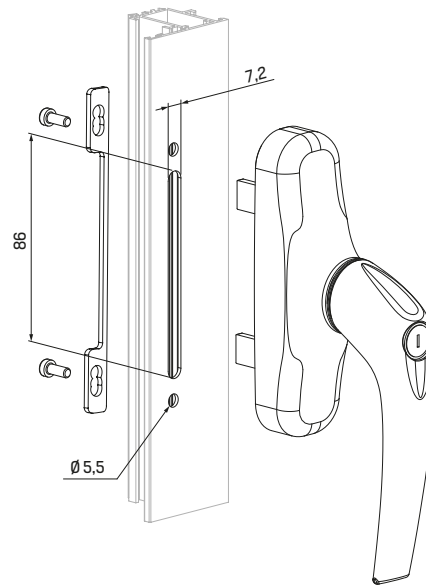
### CARACTERÍSTICAS TÉCNICAS

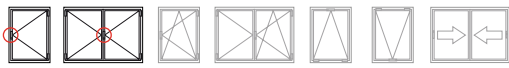
- Cremona con bloqueo de posición de la maneta mediante llave.
- Se suministra montada para apertura a derechas pudiendo pasarla fácilmente a izquierdas cambiando la posición de las palas de transmisión.
- Palas y piñón de zamak.

Window cremone with lock for casement openings.

### TECHNICAL CHARACTERISTICS

- Cremone with lock of position of the handle by means of key.
- It is supplied mounted for right-hand opening and can be easily moved to the left by changing the position of the transmission levers.
- Steel pinion and levers.





Cremona with a detachable handle for casement openings.

Cremona de ventana con manilla extraíble válida para aperturas practicables.

**TECHNICAL CHARACTERISTICS**

- Especially recommended for public places where the opening to exteriors must be controlled (schools, hospitals, etc).
- It provides greater security to the opening systems avoiding the operation and possible forcing of the handle.
- By removing the handle the movement of the cremone is disabled preventing the window from being opened either from the inside or from the outside.
- Steel pinion and levers.

**CARACTERÍSTICAS TÉCNICAS**

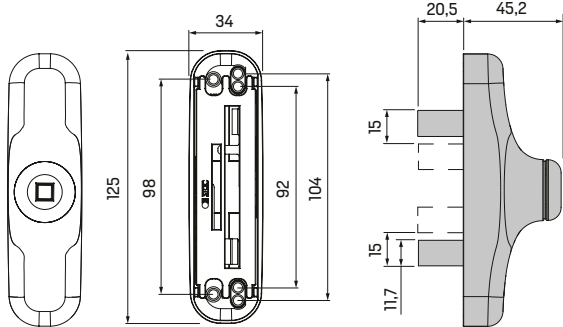
- Especialmente recomendada para locales de pública concurrencia donde la apertura a exteriores deba ser controlada (colegios, hospitales, etc).
- Proporciona mayor seguridad a los sistemas de apertura evitando el accionamiento y posible forzado de la manilla.
- Al extraer la manilla el movimiento de la cremona queda inutilizado impidiendo que la ventana pueda ser abierta ya sea desde el interior o desde el exterior.
- Palas y piñón de zamak.



0711 \*\*



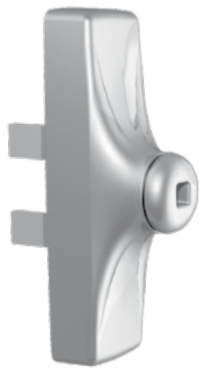
CREMONA LEO EXTRAÍBLE REDONDA  
LEO REMOVABLE ROUNDED HANDLE



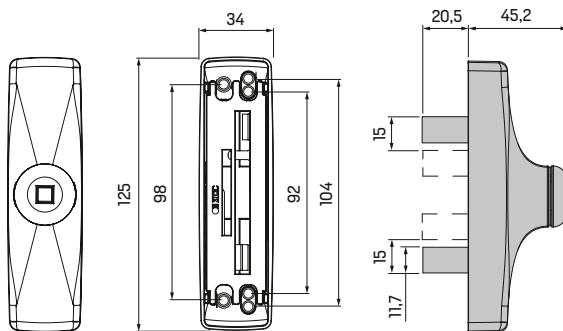
CREMONA LEO EXTRAIBLE CUADRADA  
SQUARE LEO REMOVABLE CREMONE



0721 \*\*



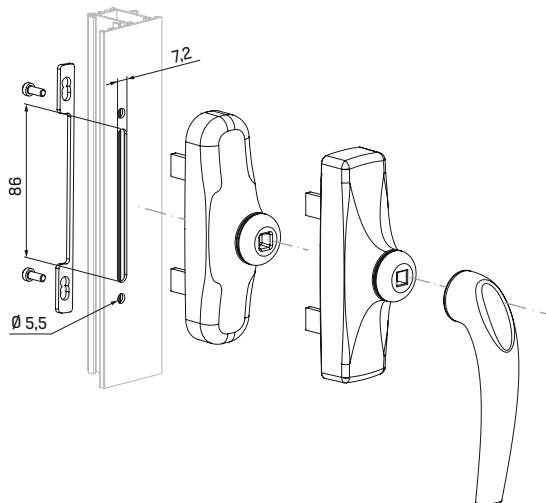
CREMONA LEO EXTRAÍBLE CUADRADA  
LEO REMOVABLE SQUARE HANDLE

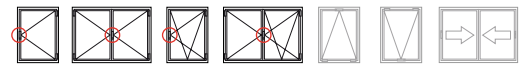


MANETA LEO EXTRAÍBLE  
LEO DETACHABLE HANDLE



0507078 \*\*





1104 \*\*



Cremona de ventana para aperturas oscilobatientes y practicables.

**CARACTERÍSTICAS TÉCNICAS**

- Empleo en aperturas practicables limitando el giro de la cremona a 90º realizando una sencilla maniobra.
- Se suministra montada para oscilo, pudiendo servirse para practicable bajo petición expresa.
- La transmisión de movimiento a las fallebas se realiza con la funda de transmisión o con remaches en la propia falleba.

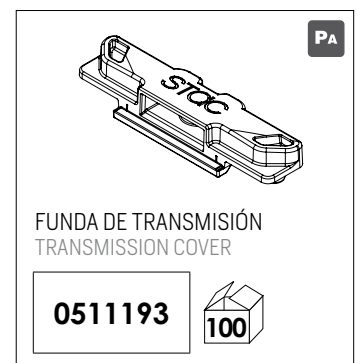
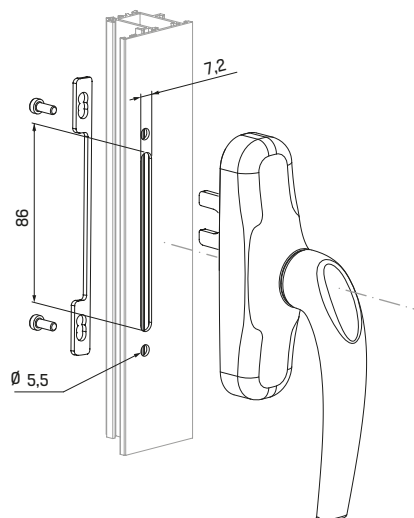
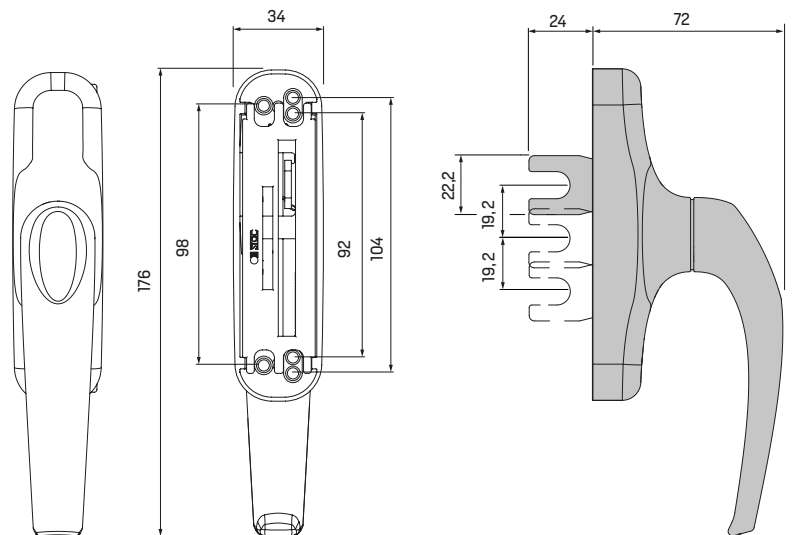
Window cremone for tilt & turn and casement openings.

**TECHNICAL CHARACTERISTICS**

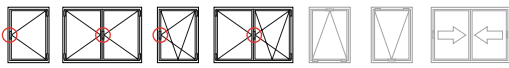
- Use in casement openings limiting the rotation of the cremone to 90º making a simple operation.
- It is supplied mounted for tilt & turn, and can be supplied for casement on request.
- The transmission of movement to the operating rod is carried out with the transmission cover or with rivets in the operating rod itself.

CREMONA LYRA SIN FUNDA  
LYRA CREMONE WITHOUT COVER

1135 \*\*



<sup>1</sup> Por defecto todas las cremonas se suministran con funda de transmisión incluida si no se especifica lo contrario.  
<sup>1</sup> By default all the cremone handles are supplied with a transmission cover included if not specified to the contrary.



Window cremone for tilt & turn and casement openings.

**TECHNICAL CHARACTERISTICS**

- Use in casement openings limiting the rotation of the cremone to 90° making a simple operation.
- It is supplied mounted for tilt & turn, and can be supplied for casement on request.
- The transmission of movement to the operating rod is carried out with the transmission cover or with rivets in the operating rod itself.

Cremona de ventana para aperturas oscilobatientes y practicables.

**CARACTERÍSTICAS TÉCNICAS**

- Empleo en aperturas practicables limitando el giro de la cremona a 90° realizando una sencilla maniobra.
- Se suministra montada para oscilo, pudiendo servirse para practicable bajo petición expresa.
- La transmisión de movimiento a las fallebas se realiza con la funda de transmisión o con remaches en la propia falleba.



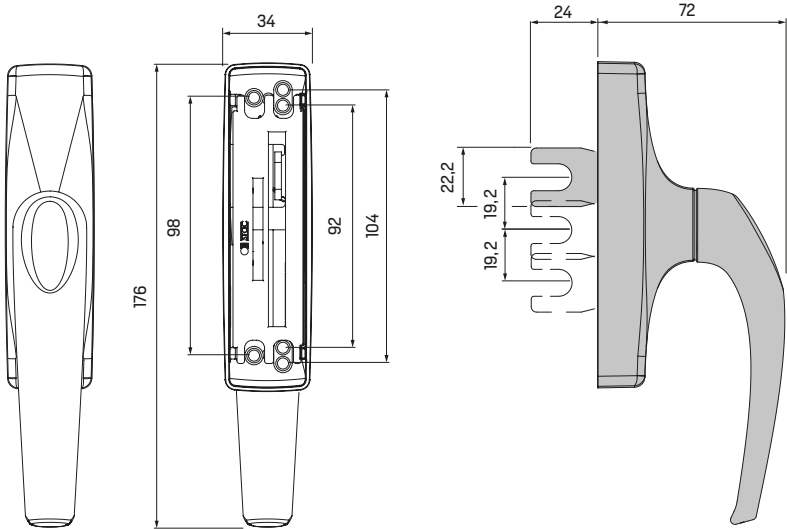
1124 \*\*



CREMONA LYRA CUADRADA SIN FUNDA  
LYRA SQUARE CREMONE WITHOUT COVER



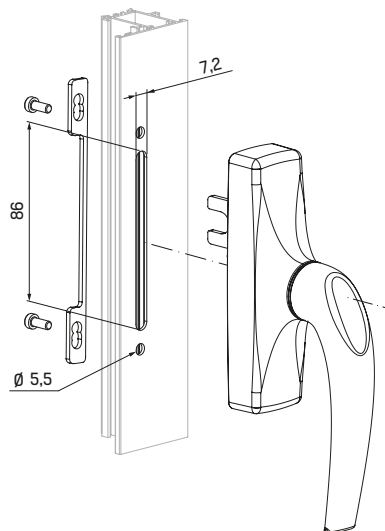
1135 \*\* C



**PA**

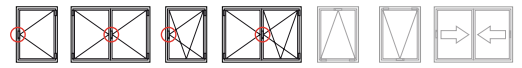
**FUNDA DE TRANSMISIÓN**  
TRANSMISSION COVER

**0511193**



<sup>1</sup> Por defecto todas las cremonas se suministran con funda de transmisión incluida si no se especifica lo contrario.

<sup>1</sup> By default all the cremone handles are supplied with a transmission cover included if not specified to the contrary.



1129 \*\*



Cremona de ventana con cerradura para aperturas oscilobatientes y practicables.

### CARACTERÍSTICAS TÉCNICAS

- Cremona con bloqueo de posición de la maneta mediante llave.
- En aperturas con maniobra lógica existen dos posiciones de bloqueo:
  - llave a 90°: la cremone permite oscilar pero no abrir;
  - llave a 180°: se bloquea la cremone, impidiendo tanto abrir como oscilar.
- Empleo en aperturas practicables limitando el giro de la cremone a 90° realizando una sencilla maniobra.
- La transmisión de movimiento a las fallebas se realiza con la funda de transmisión o con remaches en la propia falleba.
- Se suministra montada para oscilo, pudiendo servirse para practicable bajo petición expresa.
- Se suministra montada para apertura a derechas pudiendo pasarla fácilmente a izquierdas cambiando la posición de la pala de transmisión.

Ver notas técnicas al final del capítulo.

Window cremone with lock for tilt & turn and casement openings.

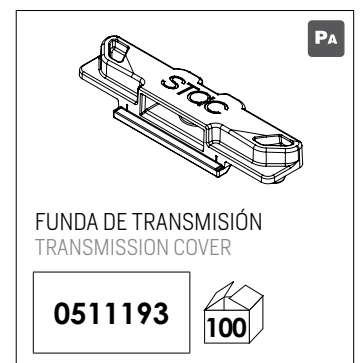
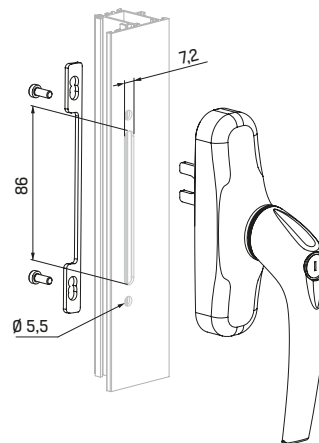
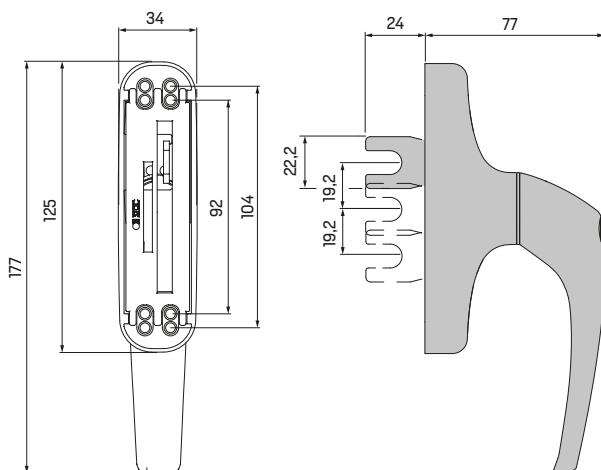
### TECHNICAL CHARACTERISTICS

- Cremone with lock of position of the handle by means of key.
- There are two locking positions for tilt-before-turn openings:
  - 90° key: the cremone allows to tilt but not to open;
  - 180° key: the cremone is locked, preventing both opening and tilting.
- Use in casement openings limiting the rotation of the cremone to 90° making a simple operation.
- The transmission of movement to the operating rod is carried out with the transmission cover or with rivets in the operating rod itself.
- It is supplied mounted for tilt & turn, and can be supplied for casement on request.
- It is supplied mounted for right-hand opening and can be easily moved to the left by changing the position of the transmission lever.

See technical notes at the end of the chapter.

### CREMONA LYRA BLOCK SIN FUNDA LYRA BLOCK CREMONE WITHOUT COVER

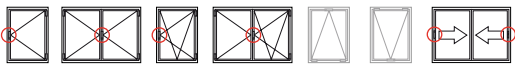
1145 \*\*



<sup>1</sup> Por defecto todas las cremonas se suministran con funda de transmisión incluida si no se especifica lo contrario.

<sup>1</sup> By default all the cremone handles are supplied with a transmission cover included if not specified to the contrary.





Window handle for tilt & turn and casement openings.

### TECHNICAL CHARACTERISTICS

- Valid for gearbox and multipoint lock systems.
- The handle adapts perfectly to the gearbox.
- Transmission by way of a 7 mm spindle.

Manilla de ventana para aperturas oscilobatientes y practicables.

### CARACTERÍSTICAS TÉCNICAS

- Válida para caja de transmisión y multipunto.
- La manilla se adapta perfectamente a la caja de transmisión.
- Transmisión por cuadradillo de 7 mm.



□ 7x27 mm

0770

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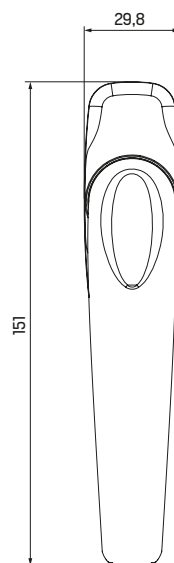
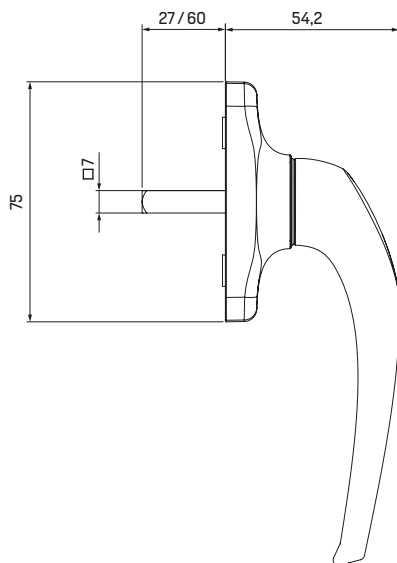
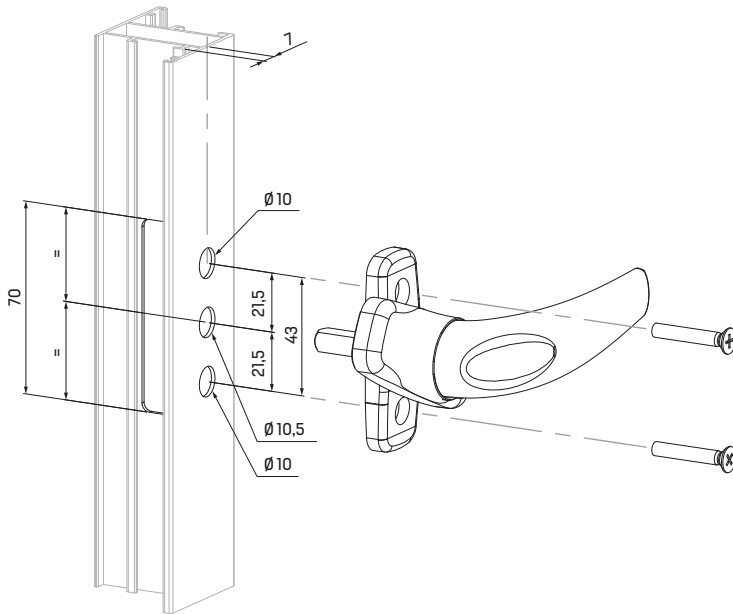
### MANILLA LYRA BOX APERTURA EXTERIOR LYRA BOX HANDLE OUTWARD OPENING



□ 7x60 mm

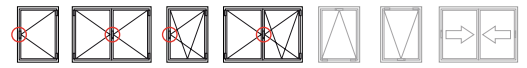
P0770

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# CREMONA LYRA EXTRAÍBLE

## LYRA DETACHABLE CREMONE



11041 \*\*



Cremona con manilla extraíble para aperturas oscilobatientes y practicables.

### CARACTERÍSTICAS TÉCNICAS

- Especialmente recomendada para locales de pública concurrencia donde la apertura a exteriores deba ser controlada (colegios, hospitales, etc).
- Proporciona mayor seguridad a los sistemas de apertura evitando el accionamiento y posible forzado de la manilla.
- Al extraer la manilla el movimiento de la cremona queda inutilizado impidiendo que la ventana pueda ser abierta ya sea desde el interior o desde el exterior.

Cremona with a detachable handle for tilt & turn and casement openings.

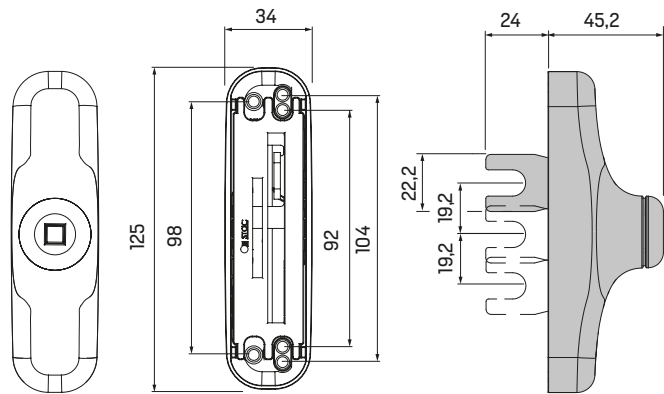
### TECHNICAL CHARACTERISTICS

- Especially recommended for public places where the opening to exteriors must be controlled (schools, hospitals, etc).
- It provides greater security to the opening systems avoiding the operation and possible forcing of the handle.
- By removing the handle the movement of the cremone is disabled preventing the window from being opened either from the inside or from the outside.

# CREMONA LYRA EXTRAÍBLE SIN FUNDA

## LYRA DETACHABLE CREMONE WITHOUT COVER

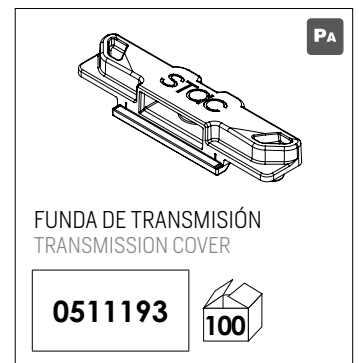
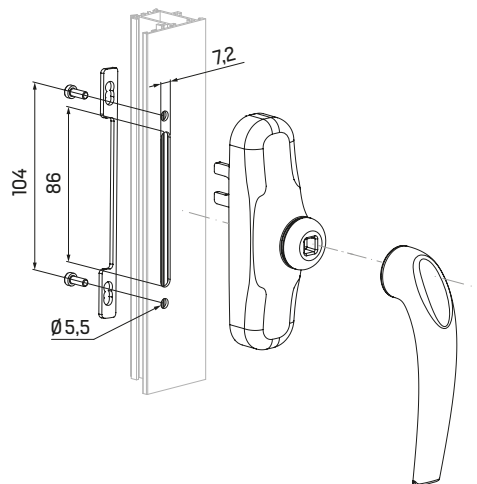
11351 \*\*



# MANETA LYRA EXTRAÍBLE

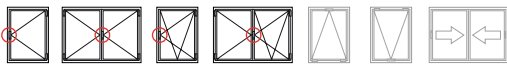
## LYRA DETACHABLE HANDLE

0507078 \*\*



<sup>1</sup> Por defecto todas las cremonas se suministran con funda de transmisión incluida si no se especifica lo contrario.

<sup>1</sup> By default all the cremone handles are supplied with a transmission cover included if not specified to the contrary.



## CREMONA LYRA EXTRAÍBLE CUADRADA

### LYRA SQUARE DETACHABLE CREMONE

Cremona with a detachable handle for tilt & turn and casement openings.

Cremona con manilla extraíble para aperturas oscilobatientes y practicables.

#### TECHNICAL CHARACTERISTICS

- Especially recommended for public places where the opening to exteriors must be controlled (schools, hospitals, etc).
- It provides greater security to the opening systems avoiding the operation and possible forcing of the handle.
- By removing the handle the movement of the cremone is disabled preventing the window from being opened either from the inside or from the outside.

#### CARACTERÍSTICAS TÉCNICAS

- Especialmente recomendada para locales de pública concurrencia donde la apertura a exteriores deba ser controlada (colegios, hospitales, etc).
- Proporciona mayor seguridad a los sistemas de apertura evitando el accionamiento y posible forzado de la manilla.
- Al extraer la manilla el movimiento de la cremona queda inutilizado impidiendo que la ventana pueda ser abierta ya sea desde el interior o desde el exterior.



11041C \*\*

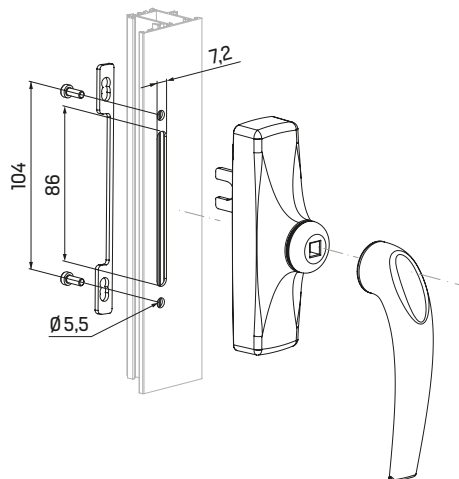
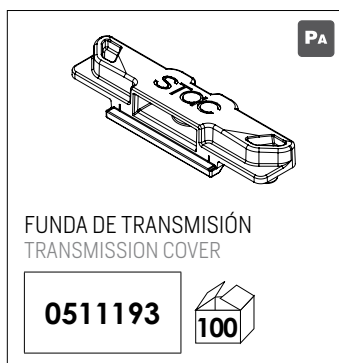
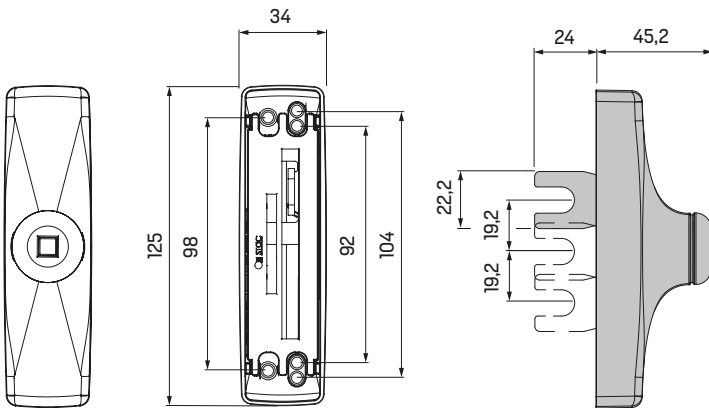


## CREMONA LYRA EXTRAÍBLE CUADRADA SIN FUNDA

### LYRA SQUARE DETACHABLE CREMONE WITHOUT COVER



11351C \*\*



<sup>1</sup> Por defecto todas las cremonas se suministran con funda de transmisión incluida si no se especifica lo contrario.

<sup>1</sup> By default all the cremone handles are supplied with a transmission cover included if not specified to the contrary.



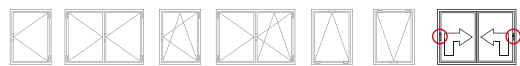
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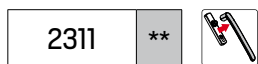
## MANETA LYRA EXTRAÍBLE

### LYRA REMOVABLE HANDLE

## MANILLÓN ATRIA ATRIA PULL HANDLE



### MANILLÓN ATRIA CON CERRADURA ATRIA PULL HANDLE WITH LOCK



Manillón y uñero para sistemas de corredera elevable.

#### CARACTERÍSTICAS TÉCNICAS

- Estética armonizada con la línea de cremonas y manillas: Sirius, Altair y Polaris.
- Maneta desmontable.
- Versiones con y sin llave.
- Compatible con todos los herrajes elevables del mercado.
- Testado a 25.000 ciclos con resultado satisfactorio.

Cilindro no incluido.

Handle and finger pull for lift & slide systems.

#### TECHNICAL CHARACTERISTICS

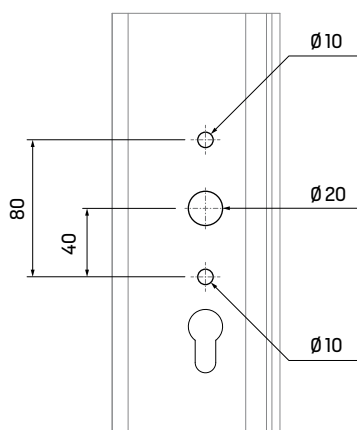
- Aesthetics harmonized with the line of cremones and handles: Sirius, Altair and Polaris.
- Detachable handle.
- Versions with and without key.
- Compatible with all lift & slide hardware on the market.
- Tested to 25,000 cycles with satisfactory result.

Cylinder lock not included.

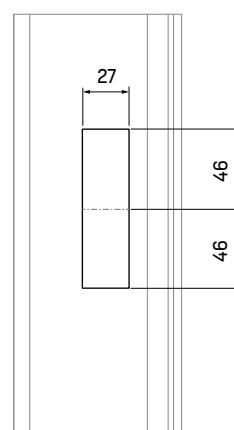
### MANILLÓN ATRIA ATRIA PULL HANDLE



#### MECANIZADO EN EL PERFIL MACHINING ON THE PROFILE

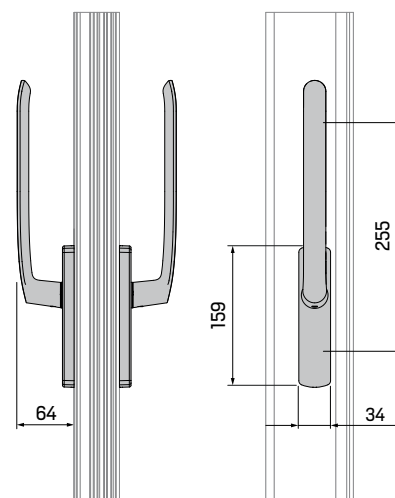
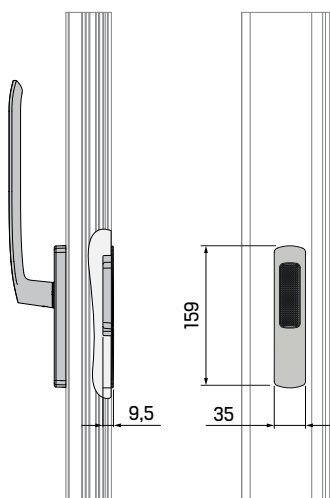
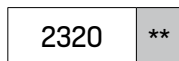


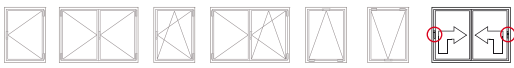
MANILLÓN PULL HANDLE



UÑERO FINGER PULL

### UÑERO ATRIA ATRIA FINGER PULL





Handle and finger pull for lift & slide systems.

Manillón y uñero para sistemas de corredera elevable.

MANILLÓN ATRIA CON CERRADURA JUEGO  
ATRIA PULL HANDLE WITH LOCK SET

**TECHNICAL CHARACTERISTICS**

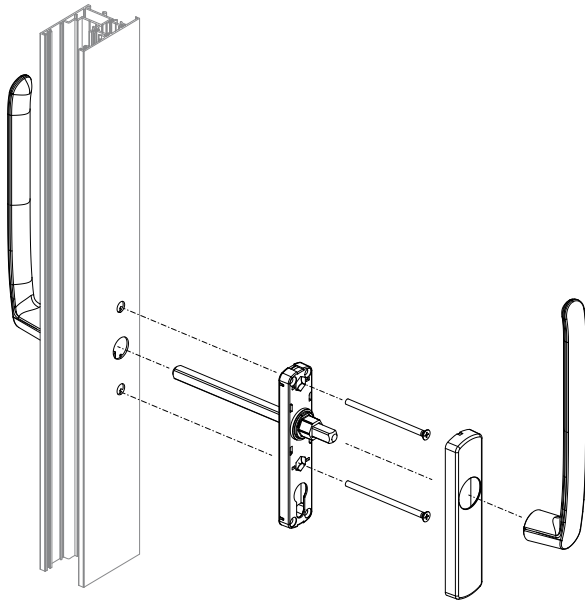
- Aesthetics harmonized with the line of cremones and handles: Sirius, Altair and Polaris.
- Detachable handle.
- Versions with and without key.
- Compatible with all lift & slide hardware on the market.
- Tested to 25,000 cycles with satisfactory result.

Cylinder lock not included.

**CARACTERÍSTICAS TÉCNICAS**

- Estética armonizada con la línea de cremonas y manillas: Sirius, Altair y Polaris.
- Maneta desmontable.
- Versiones con y sin llave.
- Compatible con todos los herrajes elevables del mercado.
- Testado a 25.000 ciclos con resultado satisfactorio.

Cilindro no incluido.



MANILLÓN ATRIA + UÑERO  
ATRIA PULL HANDLE + FINGER PULL

\*\*  
 RAL  
 AL ZM  
 Ac INX  
 10mm  
 I D

2316 \*\*  
 1

\*\*  
 RAL  
 ANODIC  
 AL ZM  
 Ac INX  
 10mm  
 I D

2313 \*\*  
 1

MANILLÓN ATRIA JUEGO  
ATRIA PULL HANDLE SET

\*\*  
 RAL  
 ANODIC  
 AL ZM  
 Ac INX  
 10mm  
 I D

2314 \*\*  
 1

MANILLÓN ATRIA CON CERRADURA + UÑERO  
ATRIA PULL HANDLE WITH LOCK + FINGER PULL

\*\*  
 RAL  
 AL ZM  
 Ac INX  
 10mm  
 I D

2315 \*\*  
 1



# KAIROX

## MANILLAS INOX

STAINLESS STEEL HANDLES



**INOX AISI 304**

AISI 304 stainless steel



**Mecanismo de alta resistencia**

High-strength mechanism



**Microventilación**

Micro-ventilation



**Variedad de diseños**

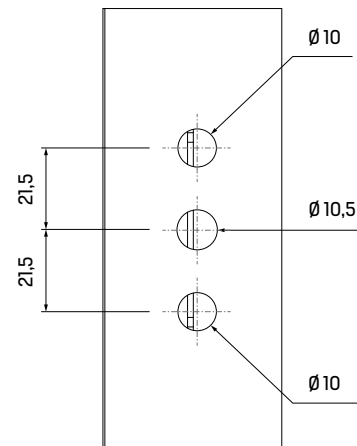
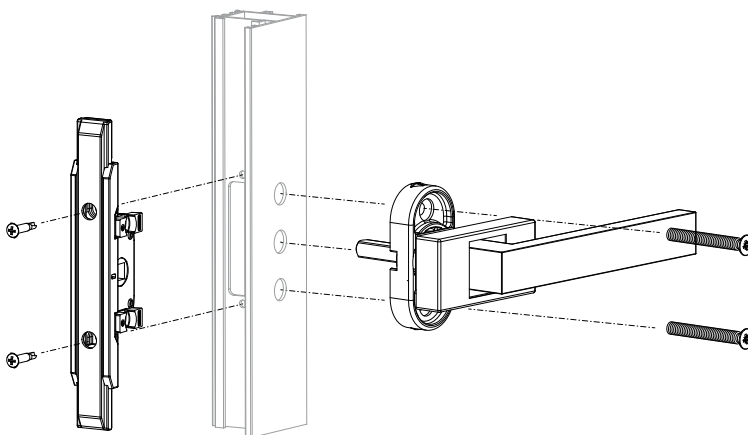
Variety of designs

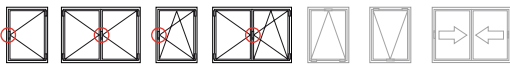
STAC presenta **KAIROX**, su nueva familia de manillas de acero inoxidable para ventana y puerta. La nueva gama está disponible en diferentes modelos y estéticas dando la posibilidad al usuario final de elegir la opción que mejor se adapte a sus necesidades.

Las manillas están diseñadas en acero inoxidable AISI 304 con el más alto estándar de calidad.

STAC presents **KAIROX**, their new range of stainless steel handles for window and door systems. This new range includes various models and aesthetics allowing you to choose the one that best fits the end user's requirements.

The handles are designed and made of the highest quality AISI 304 stainless steel.





Stainless steel window handles for casement and tilt & turn openings.

### TECHNICAL CHARACTERISTICS

- Valid for gearbox and multipoint systems.
- Handle and cover made of AISI 304 stainless steel.
- Transmission via 7 mm spindle.
- Tested to 15,000 opening cycles.
- Micro-ventilation available.
- Two possible lengths with one single spindle.
- Each unit is supplied in an individual box and comes with 7 mm spindle and screws.

Manillas en acero inox. para ventana con aperturas practicables y oscilobatientes.

### CARACTERÍSTICAS TÉCNICAS

- Válidas para caja de transmisión y multipunto.
- Manilla y roseta en acero inoxidable AISI 304.
- Transmisión por cuadradillo de 7 mm.
- Testada con 15.000 ciclos de apertura.
- Microventilación disponible.
- Disponibles 2 longitudes con un único cuadradillo.
- Cada referencia se suministra en caja unitaria con cuadradillo de 7 mm y tornillería.

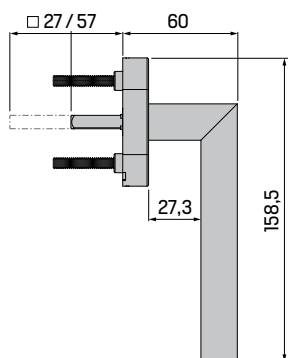
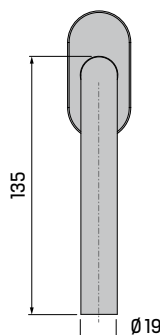
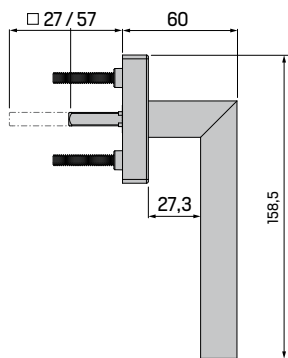
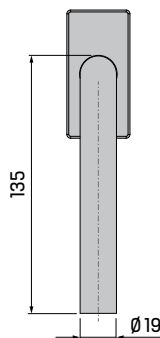
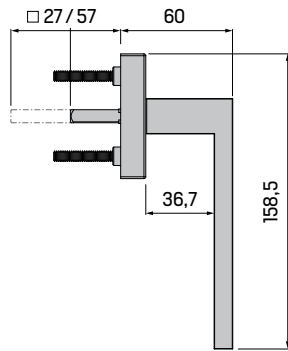
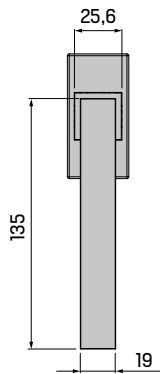
Inx ZM

PH 2

7 mm



260110



### MANILLAS INOX KAIROX CR KAIROX CR INOX HANDLES

Inx ZM

PH 2

7 mm



260310



### MANILLAS INOX KAIROX RR KAIROX RR INOX HANDLES

Inx ZM

PH 2

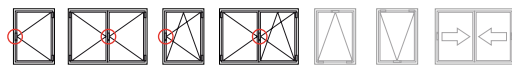
7 mm



260210



## MANILLAS INOX KAIROX CRC KAIROX CRC INOX HANDLES



260313



**INX** **ZM**

**+** PH 2

**■** 7mm



Manillas en acero inox. para ventana con aperturas practicables y oscilobatientes.

### CARACTERÍSTICAS TÉCNICAS

- Válidas para caja de transmisión y multipunto.
- Manilla y roseta en acero inoxidable AISI 304.
- Transmisión por cuadradillo de 7 mm.
- Testada con 15.000 ciclos de apertura.
- Microventilación disponible.
- Disponibles 2 longitudes con un único cuadradillo.
- Cada referencia se suministra en caja unitaria con cuadradillo de 7 mm y tornillería.

Stainless steel window handles for casement and tilt & turn openings.

### TECHNICAL CHARACTERISTICS

- Valid for gearbox and multipoint systems.
- Handle and cover made of AISI 304 stainless steel.
- Transmission via 7 mm spindle.
- Tested to 15,000 opening cycles.
- Micro-ventilation available.
- Two possible lengths with one single spindle.
- Each unit is supplied in an individual box and comes with 7 mm spindle and screws.

## MANILLAS INOX KAIROX RRC KAIROX RRC INOX HANDLES

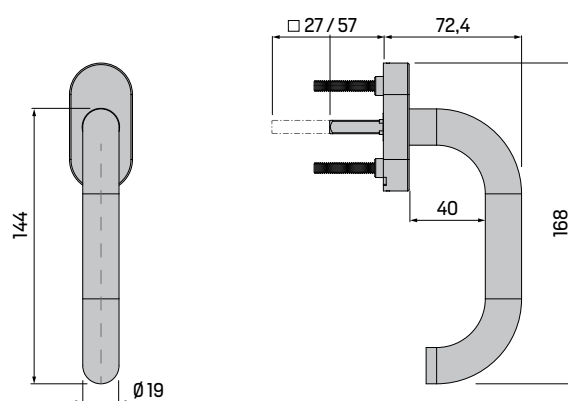
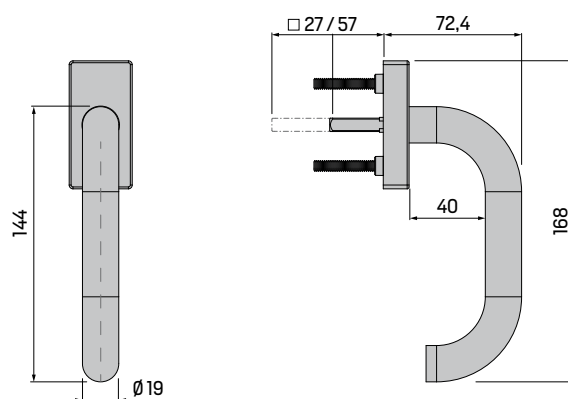
260213



**INX** **ZM**

**+** PH 2

**■** 7mm



## MANILLAS INOX KAIROX CR KAIROX CR INOX HANDLES

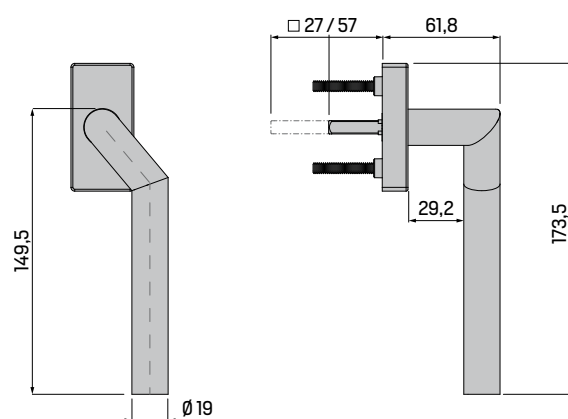
260311



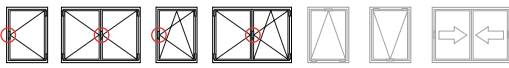
**INX** **ZM**

**+** PH 2

**■** 7mm







Stainless steel window handles for casement and tilt & turn openings.

### TECHNICAL CHARACTERISTICS

- Valid for gearbox and multipoint systems.
- Handle and cover made of AISI 304 stainless steel.
- Transmission via 7 mm spindle.
- Tested to 15,000 opening cycles.
- Micro-ventilation available.
- Two possible lengths with one single spindle.
- Each unit is supplied in an individual box and comes with 7 mm spindle and screws.

Manillas en acero inox. para ventana con aperturas practicables y oscilobatientes.

### CARACTERÍSTICAS TÉCNICAS

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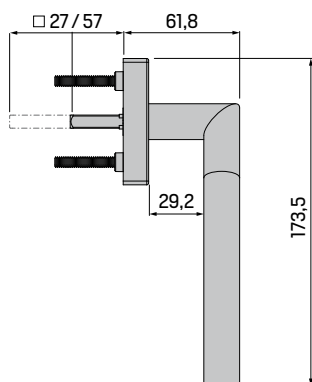
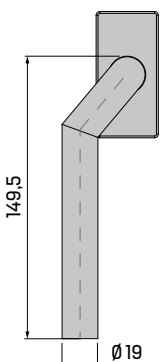
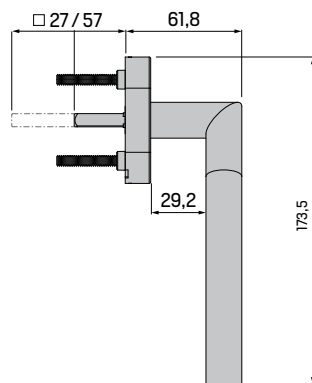
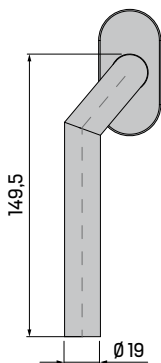
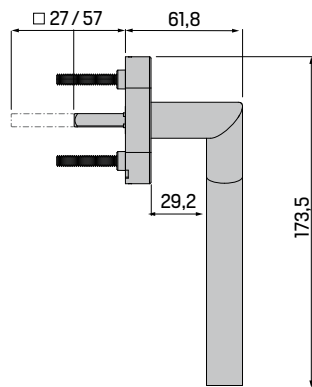
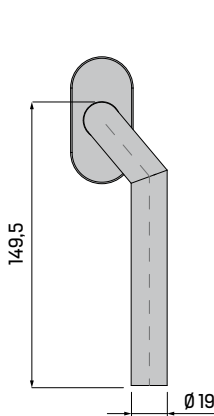
Inx ZM

PH 2

7 mm



260211



### MANILLAS INOX KAIROX CR KAIROX CR INOX HANDLES

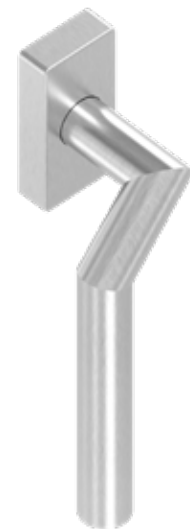
Inx ZM

PH 2

7 mm



260312



### MANILLAS INOX KAIROX RR KAIROX RR INOX HANDLES

Inx ZM

PH 2

7 mm



260212



CREMONA HYDRA AP. EXTERIOR PALA CORTA  
HYDRA OUTWARD OPENING CREMONE SHORT LEVER



A0740 \*\*

15



PALA CORTA  
SHORT LEVER



Cremona reversible para aperturas exteriores.

**CARACTERÍSTICAS TÉCNICAS**

- Sistema de cierre compuesto por la propia cremone, un bulón y una pieza de soporte y transmisión.
- La base se fija al perfil por medio de cuatro tornillos auto-taladrantes o de rosca métrica (usando remaches roscados).
- Los tornillos de fijación se ocultan con una tapa de fácil montaje.

Reversible cremone for outward openings.

**TECHNICAL CHARACTERISTICS**

- Closing system consisting of the cremone itself, a pin and a support and transmission part.
- The base is fixed to the profile by means of four self-drilling or metric threaded screws (using threaded rivets).
- The fixing screws are concealed with an easy-to-fit cover.

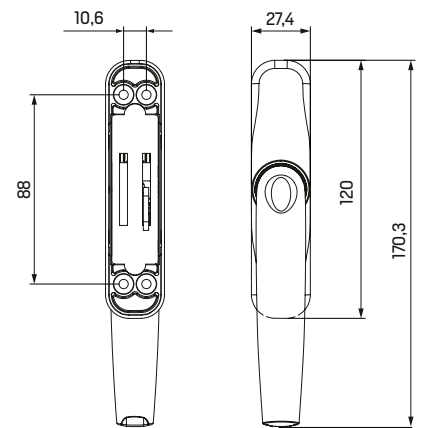
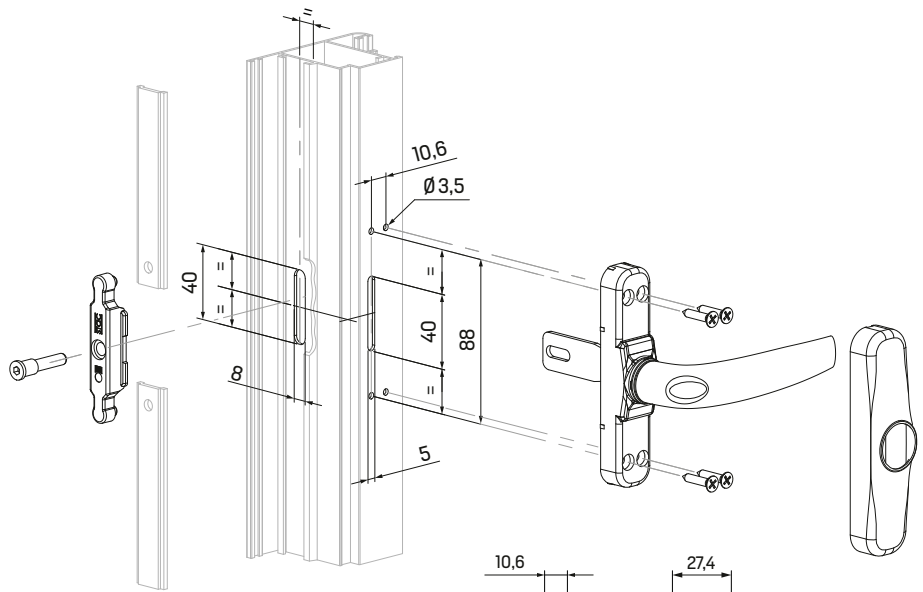
CREMONA HYDRA AP. EXTERIOR PALA LARGA  
HYDRA OUTWARD OPENING CREMONE LONG LEVER

A0750 \*\*

15



PALA LARGA  
LONG LEVER



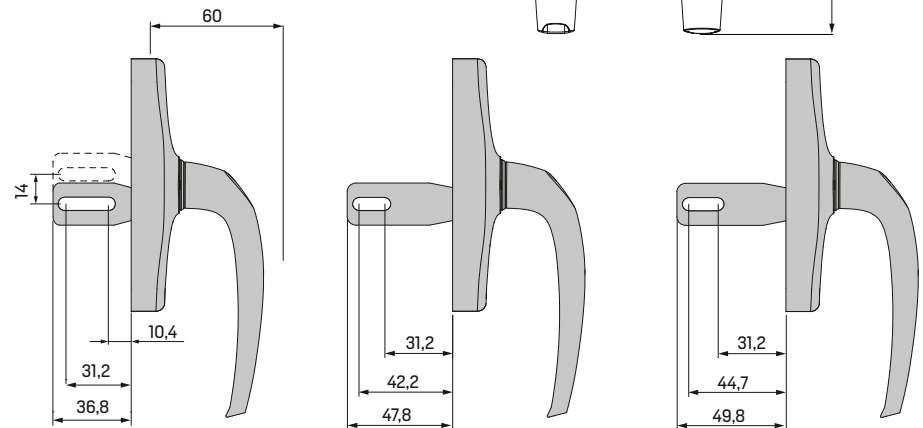
CREMONA HYDRA AP. EXTERIOR PALA EXTRA LARGA  
HYDRA OUTWARD OPENING CREMONE EXTRA LONG LEVER

A0750L \*\*

15



PALA EXTRA LARGA  
EXTRA LONG LEVER



PALA CORTA  
SHORT LEVER

PALA LARGA  
LONG LEVER

PALA EXTRA LARGA  
EXTRA LONG LEVER

NUEVO SISTEMA DE FIJACIÓN RÁPIDA  
NEW RAPID FIXING SYSTEM

**FAST**

PATENTADO  
PATENTED  
ES1071280(U)

MONTAJE CREMONA DE OSCILO PARA  
PRACTICABLE

ASSEMBLY OF THE TILT & TURN CREMONE FOR  
CASEMENT

**1**



Colocación de la **cremona** sobre el perfil haciendo coincidir los **tornillos especiales** con los mecanizados, de manera que la ranura de los tornillos permanezca a una altura suficiente sobre la base de la cremona, siendo así adaptable a los diferentes espesores de hoja

Fitting of the cremone over the profile ensuring that the special screws coincide with the prior fabrication in such a way that the screw groove remains at a sufficient height over the base of the cremone will adapt to various sash thicknesses

**2**



Cuando la **cremona** está colocada en el alojamiento mecanizado a tal efecto, se procede a situar la **contraplaca** sobre los **tornillos** que sobresalen del plano de la hoja

When the cremone is fitted in the machined space, the counterplate is situated over the screws that jut out from the profile plane



**3**



Una vez colocada, la **contraplaca** se desliza hacia abajo para situar los **tornillos** sobre la ranura estrecha de la misma

Once fitted, the counterplate slides under in order to situate the screws over the narrow groove



**4**



Tras situarlos de esta forma solo queda fijar los **tornillos** directamente sobre la **contraplaca** eliminando cualquier holgura que pueda existir en el conjunto

Once situated in this way all that is needed is to fix the screws directly over the counterplate, eliminating any play that could exist in the set



**1**



Con la cremona en posición de apertura, retiramos la tapa de plástico y la pala

With the cremone in the open position, remove the plastic cover and the lever

**2**



Giramos la maneta 45°

Turn the handle to 45°

**3**



Colocamos la pala, giramos la tapa de plástico y también la colocamos, manteniendo la maneta en la posición de 45°

Fit the lever, turn the plastic cover and then fit it maintaining the handle at a 45° position

CREMONA PRACTICABLE **LEO**  
CAMBIO DE DERECHAS A IZQUIERDAS

**LEO** CASEMENT CREMONE  
CHANGE FROM RIGHT TO LEFT HAND SIDE



CREMONA CON LLAVE (Sirius Block y Lyra Block)  
CAMBIO DE DERECHAS A IZQUIERDAS

CREMONE WITH KEY (Sirius Block & Lyra Block)  
CHANGE FROM RIGHT TO LEFT HAND SIDE



CREMONA PRACTICABLE **SIRIUS** CAMBIO DE DERECHAS A IZQUIERDAS

**SIRIUS** CASEMENT CREMONE CHANGE FROM RIGHT TO LEFT HAND SIDE



POSICIONES CREMONA CON LLAVE SIRIUS  
SIRIUS CREMONE WITH KEY POSITIONS

MANIOBRA LÓGICA | TILT-BEFORE-TURN

La cremona Sirius con cierre de seguridad posee un novedoso bombillo de cerradura con pulsador que permite bloquear el movimiento de la cremona en las diferentes posiciones para la apertura.

Sirius cremone with security lock has a new lock barrel with a button that stops the cremone moving in the different opening positions

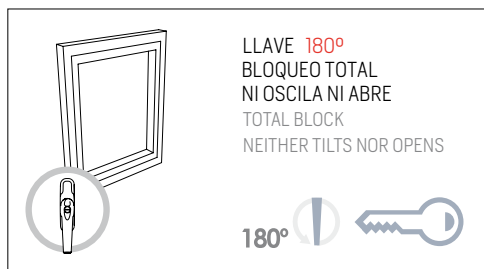
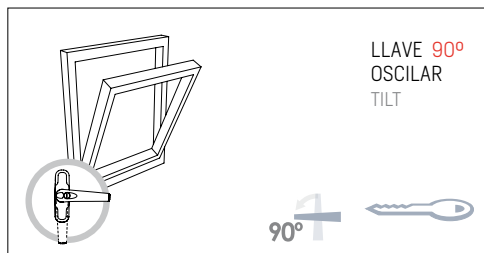
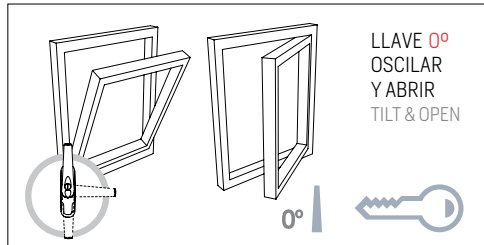
|  |  |
|--|--|
|  | <p><b>BLOQUEO TOTAL</b><br/>Se acciona y desbloquea con la llave.<br/>No permite el movimiento.</p> <p><b>TOTAL BLOCK</b><br/>It is activated and unlocked with the key<br/>It does not allow movement</p>   |
|  | <p><b>BLOQUEO INTERMEDIO</b><br/>Se acciona pulsando y se desbloquea con la llave<br/>Permite girar solamente 90°</p> <p><b>INTERMEDIATE BLOCK</b><br/>It can be activated by pressing and releasing it with the key<br/>It allows to rotate 90°</p> |
|  | <p><b>DESBLOQUEO</b><br/>La manilla está totalmente desbloqueada<br/>Puede ponerse en cualquier posición</p> <p><b>UNBLOCKING</b><br/>The handle is totally unblocked<br/>It can be moved to any position</p>  |

POSICIONES PULSADOR DE BOMBILLO - CREMONA CON LLAVE SIRIUS BLOCK  
BARREL BUTTON POSITIONS - SIRIUS BLOCK WITH KEY CREMONE

|   |   |   |
|---|---|---|
| <p><b>PULSADOR DEL BOMBILLO</b><br/>BARREL BUTTON</p> <p>POSICIÓN 1<br/>POSITION 1</p> <p>POSICIÓN 2<br/>POSITION 2</p> <p>POSICIÓN 3<br/>POSITION 3</p>  | <p><b>POSICIÓN 1 &gt; POSICIÓN 2</b><br/>POSITION 1 &gt; POSITION 2</p> <p>Pulsar<br/>Press</p> | <p><b>POSICIÓN 2 &gt; POSICIÓN 1</b><br/>POSITION 2 &gt; POSITION 1</p> <p>Introducir llave<br/>Introduce the key</p> <p>Girar 45° a la izq.<br/>Turn 45° to the left</p> |
| <p><b>POSICIÓN 2 &gt; POSICIÓN 3</b><br/>POSITION 2 &gt; POSITION 3</p> <p>Introducir llave<br/>Introduce the key</p> <p>Girar 45° a la izq.<br/>Turn 45° to the left.</p> <p>Presionar con la llave girada<br/>Press with the key in turn position</p> <p>Manteniendo presión volvemos a girar la llave en sentido inverso<br/>Keeping the pressure on, turn the key the other way</p> <p>Retirar llave<br/>Take the key out</p> |   |   |

### CREMONA LYRA BLOCK LYRA BLOCK CREMONE

#### POSICIONES MANIOBRA LÓGICA TILT-BEFORE-TURN POSITIONS



### CAMBIO DE PALA DE OSCIOBATIENTE A PROYECTANTE CHANGE OF LEVER FROM TILT-TURN TO AWNING



# 3

## Manillas de puerta Door handles

### Manillas MINIMALISTAS

MINIMALIST handles

### Manillas POLARIS

POLARIS handles

### Manillas SIRIUS

SIRIUS handles

### Manillas GÉMINIS

GEMINIS handles

### Manillas LIBRA

LIBRA handles

### Manillas INDO

INDO handles

### Manillas KAIROX

KAIROX handles

### Tirador TAU

TAU pull handle

### Tirador NAOS

NAOS pull handle

### Tirador FÉNIX

FENIX pull handle





# MANILLAS MINIMALISTAS

## MINIMALIST HANDLES



**Mecanismo oculto**  
Hidden mechanism



**Máxima durabilidad**  
Highest durability



**Carta de colores RAL**  
RAL colour chart



**Robustez contrastada**  
Tested robustness

Para las personas que anhelan la sensación de creatividad, calidad y estilo en sus espacios, STAC introduce la nueva línea minimalista de manillas para ventana y puerta con el fin de ofrecer una gama completa de soluciones técnicas de la más alta calidad.

En el planteamiento se ha prescindido de todos los elementos innecesarios, desarrollando un mecanismo oculto que sólo deja expuesta la manilla dando como resultado una familia de manillas que garantizan una gran fiabilidad y robustez a lo largo de todo su vida útil.

### Línea completa

La línea de manillas minimalistas es válida para diferentes tipos de apertura existentes en el mercado:

- Puerta
- Ventana
- Soluciones estándar para cuadradillo de 7 mm

### Gama completa de acabados

Disponibilidad en toda la gama de acabados de STAC:

- Lacado en toda la gama de acabados RAL, incluso acabados de pintura metalizadas, texturizadas y moteadas.
- Anodizado: natural mate e inox mate.

For those people who wish to have a sensation of creativity, quality and style, STAC is pleased to present their new minimalist line of handles for windows and doors, a complete range of the highest quality technical solutions.

The design of these handles does away with all unnecessary elements and we have developed a hidden mechanism so the only part on display is the handle itself. The result is a family of handles with guaranteed reliability and strength throughout their lifecycle.

### Línea completa

The line of minimalist handles is valid for different types of opening existing in the market:

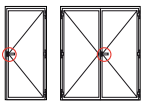
- Door
- Windows
- Standard solutions with 7 mm spindle

### Full range of finishes

Available in all finishes offered by STAC:

- Lacquered in a full range of RAL colours including metallic, textured and speckled paint finishes.
- Anodized: natural matte or stainless steel matte.





# MANILLA MINIMALISTA DE PUERTA ALFA

## ALFA MINIMALIST DOOR HANDLE

Recoverable door handle with minimalist aesthetic.

### TECHNICAL CHARACTERISTICS:

- Sleeveless handle.
- Handle with reversible movement.
- Maximum cycle durability [300,000 cycles].
- 8 mm spindle.
- Quick and simple installation
- Wide range of finishes available.

See compatible cylinder covers with the handle on page 104.

Manilla recuperable para puertas con estética minimalista.

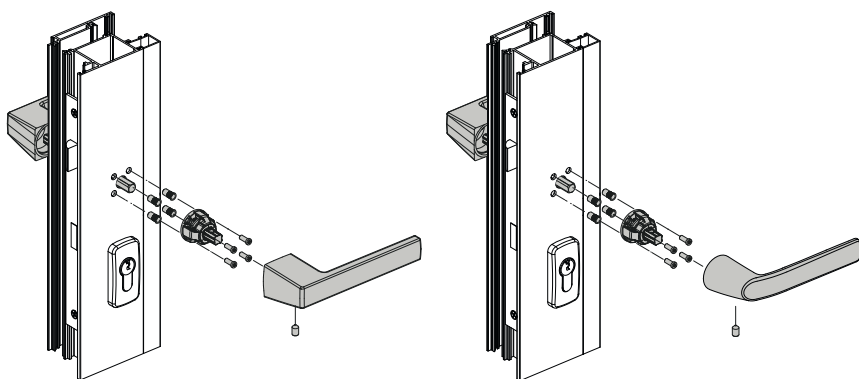
### CARACTERÍSTICAS TÉCNICAS:

- Manilla sin escudo.
- Manilla con movimiento reversible.
- Máxima durabilidad a ciclos [300.000 ciclos]
- Cuadradillo de 8 mm.
- Instalación rápida y simple
- Gran variedad de acabados.

Ver embellecedores de cilindro compatibles con la manilla en la página 104.



|      |                                 |      |    |
|------|---------------------------------|------|----|
| **   | JUEGO MANILLA<br>HANDLE SET     | 7771 | ** |
| AL   | ZM                              | 7781 | ** |
| Inx  | SIMPLE DERECHA<br>SIMPLE RIGHT  | 7791 | ** |
| 8 mm | SIMPLE IZQUIERDA<br>SIMPLE LEFT |      |    |

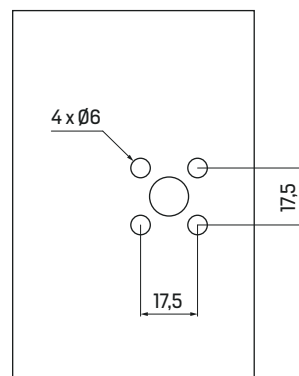
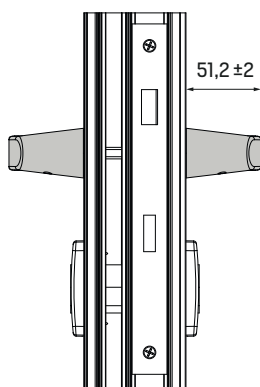
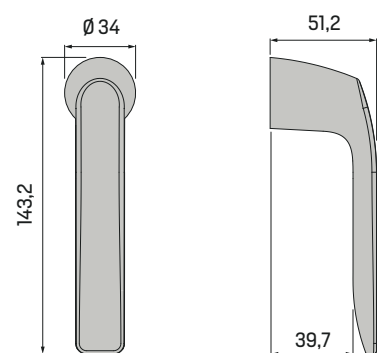
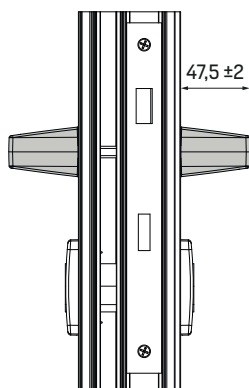
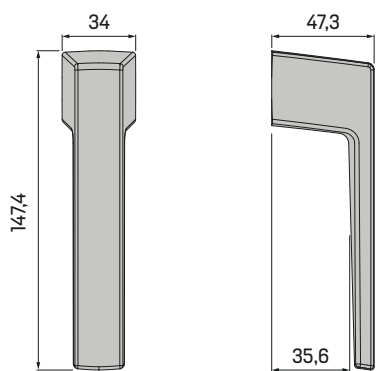


# MANILLA MINIMALISTA DE PUERTA GAMMA

## GAMMA MINIMALIST DOOR HANDLE



|      |                                 |      |    |
|------|---------------------------------|------|----|
| **   | JUEGO MANILLA<br>HANDLE SET     | 7773 | ** |
| AL   | ZM                              | 7783 | ** |
| Inx  | SIMPLE DERECHA<br>SIMPLE RIGHT  | 7793 | ** |
| 8 mm | SIMPLE IZQUIERDA<br>SIMPLE LEFT |      |    |



# POLARIS



LA MANILLA DE PUERTA MÁS RESISTENTE DEL MERCADO  
THE MOST RESISTANT DOOR HANDLE ON THE MARKET

75%

Más resistencia que la norma  
More resistant than standard



Producto ambidiestro  
Ambidextrous product



Instalación rápida y simple  
Simple and rapid installation



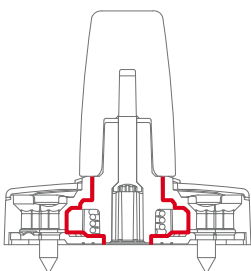
Posibilidades de fijación  
Fixing possibilities

Manilla de altas prestaciones concebida para un uso intensivo en puertas con alta frecuencia de paso, como son las puertas públicas con cierrapuertas donde la manilla tiene que soportar constantemente todo tipo de esfuerzos y golpes.

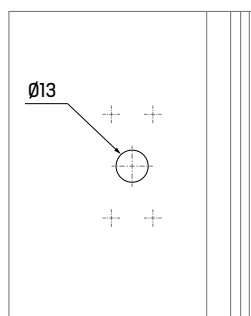
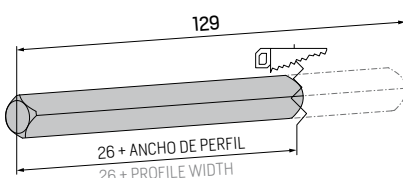
El avanzado diseño de la manilla Polaris permite su montaje con gran simplicidad sobre toda clase de perfiles con espesores de aluminio muy diferentes, además la ausencia de mano y los tres diferentes sistemas de fijación al perfil, la convierten en la manilla idónea para su instalación en puertas con alto tráfico de personas.

High performance handle which was conceived taking in to consideration intensive use such as public use doors with door closers where the handle has to constantly withstand all types of knocks and handling.

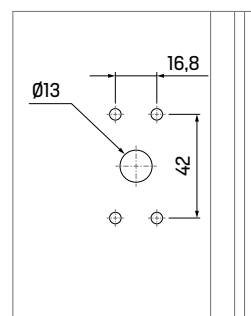
The advanced design of the Polaris handle allows for very simple assembly on to all types of profiles with very different aluminium thicknesses. It is ambidextrous and along with the three different profile fixing systems makes this handle ideal for installation on to doors for high pedestrian traffic use.



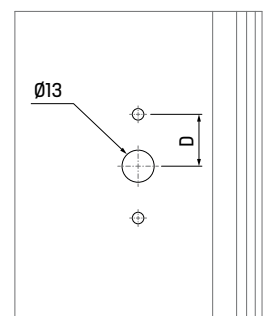
Máxima durabilidad  
Maximum durability



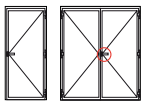
FIJACIÓN ESTÁNDAR STANDARD FIXING



FIJACIÓN TR TR FIXING



FIJACIÓN SECURITY SECURITY FIXING



Recoverable handle for doors with high frequency of use.

**TECHNICAL CHARACTERISTICS**

- Multiple fixing possibilities:

**Traditional:** self-tapping screws.

**TR fixing:** threaded rivets.

**Security fixing:** security screws.

- The handle set does not keep hand.
- The handle set is supplied with a 129 mm spindle.
- Tested according to UNE-EN 1906 to grade 3 with satisfactory result.

See compatible cylinder covers with the handle on page 104.

Manilla recuperable para puertas con alta frecuencia de utilización.

**CARACTERÍSTICAS TÉCNICAS**

- Múltiples posibilidades de fijación:

**Tradicional:** tornillos rosca-chapa.

**Fijación TR:** remaches roscados.

**Fijación Security:** tornillos de seguridad.

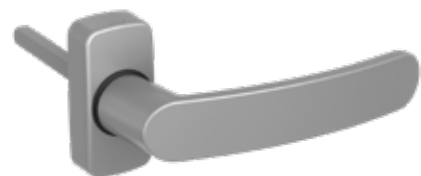
- El juego de manillas no guarda mano.
- El juego de manillas se suministra con cuadradillo de 129 mm.
- Testado según UNE-EN 1906 a grado 3 con resultado satisfactorio.

Ver embellecedores de cilindro compatibles con la manilla en la página 104.

MANILLA DE PUERTA POLARIS SIMPLE  
POLARIS DOOR HANDLE SIMPLE

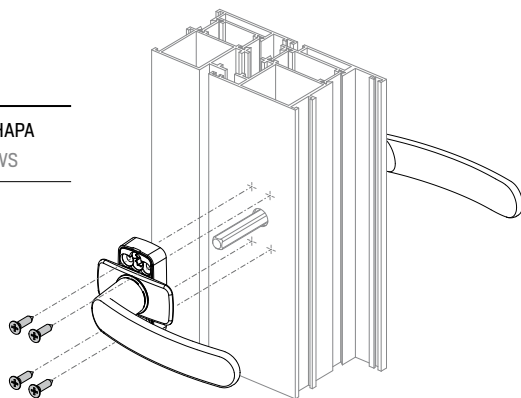


05183 \*\*



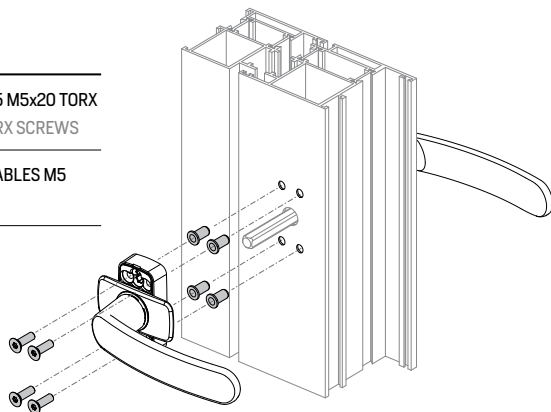
**KIT DE FIJACIÓN TRADICIONAL**  
TRADITIONAL FIXING KIT

- 8x TORNILLOS ROSCA CHAPA  
SELF-TAPPING SCREWS



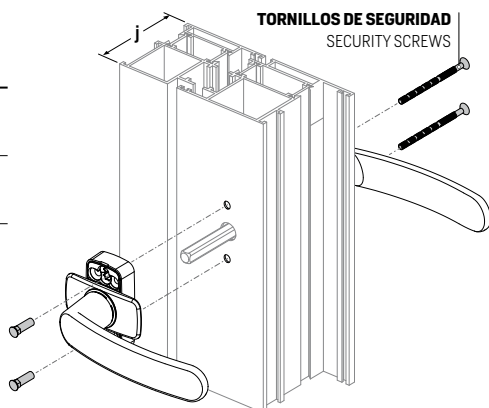
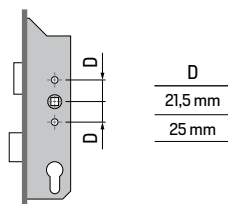
**KT0518-01**  
**KIT DE FIJACIÓN TR**  
TR FIXING KIT

- 8x TORNILLOS DIN 965 M5x20 TORX  
DIN 965 M5x20 TORX SCREWS
- TUERCAS REMACHABLES M5  
M5 RIVET NUTS



**KT0518-02 | KT0518-03**  
**KITS DE FIJACIÓN SECURITY**  
SECURITY FIXING KITS

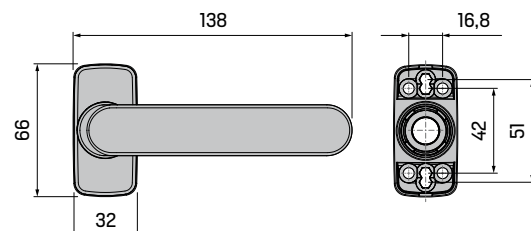
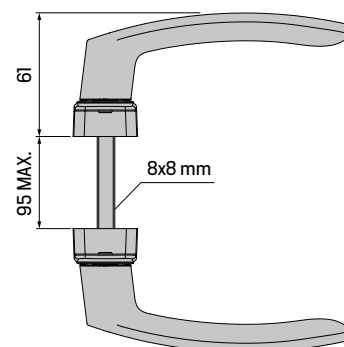
- J < 60 mm **KT0518-02**
- 1x
- 60 < J < 80 mm **KT0518-03**



MANILLA DE PUERTA POLARIS JUEGO  
POLARIS DOOR HANDLE SET

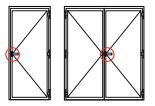


05182 \*\*



# MANILLA DE PUERTA SIRIUS

## SIRIUS DOOR HANDLE

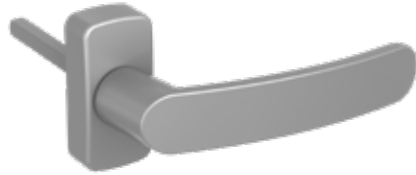


### MANILLA DE PUERTA SIRIUS SIMPLE

#### SIRIUS DOOR HANDLE SIMPLE

A05083 \*\*

25



Manilla recuperable para puertas con diseño reforzado.

#### CARACTERÍSTICAS TÉCNICAS

- Estética con la línea de las cremonas y la manilla Sirius de ventana.
- El juego de manillas se suministra con cuadradillo de 129 mm.
- La base permite la fijación de hasta 4 tornillos con doble posicionamiento cada uno.
- Mecanismo reforzado con base de zamak.

Ver embellecedores de cilindro compatibles con la manilla en la página 104.

Recoverable door handle with reinforced design.

#### TECHNICAL CHARACTERISTICS

- Aesthetics with the line of cremons and the Sirius window handle.
- The handle set is supplied with a 129 mm spindle.
- The base allows the fixation of up to 4 screws with double positioning each one.
- Reinforced mechanism with zamak base.

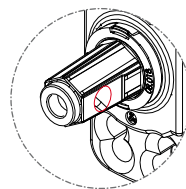
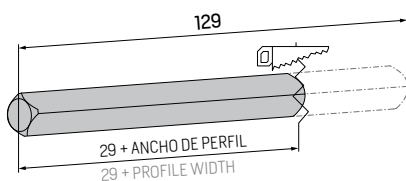
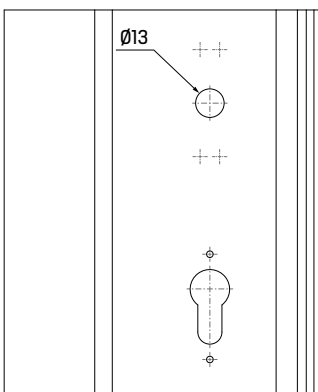
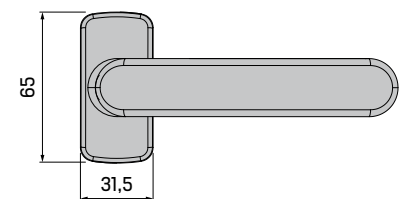
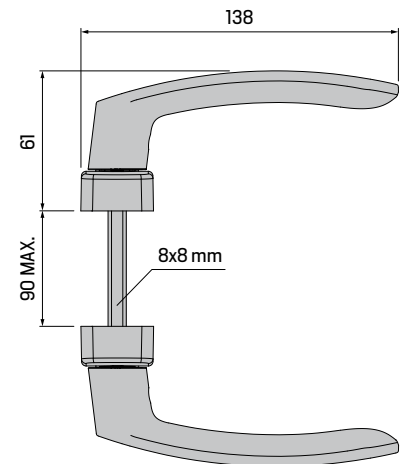
See compatible cylinder covers with the handle on page 104.

### MANILLA DE PUERTA SIRIUS JUEGO

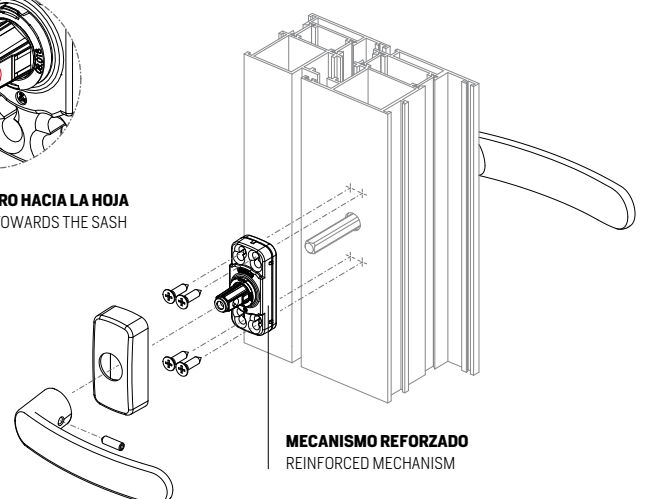
#### SIRIUS DOOR HANDLE SET

A05082 \*\*

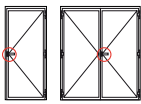
20



POSICIONAR AGUJERO HACIA LA HOJA  
POSITION THE HOLE TOWARDS THE SASH



MECANISMO REFORZADO  
REINFORCED MECHANISM



Recoverable door handle.

### TECHNICAL CHARACTERISTICS

- Aesthetics with the Lyra and Leo cremone line.
- The handle set is supplied with a 129 mm spindle.
- The base allows the fixation of up to 4 screws with double positioning each one.
- The design of the screw covers hides the entire fixing mechanism, contributing to a practical and quick installation.

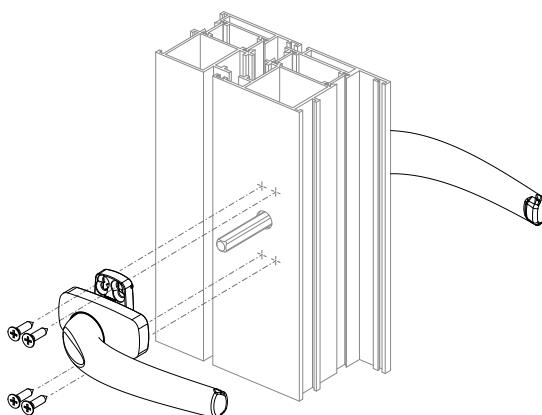
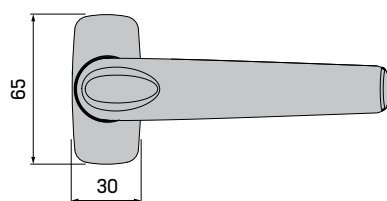
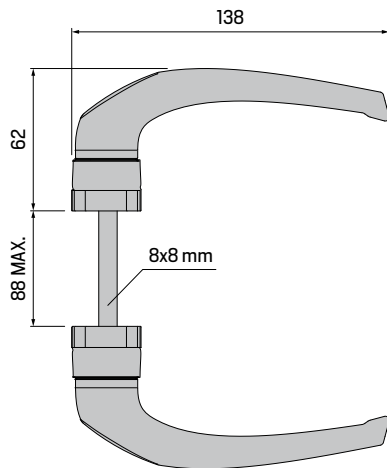
See compatible cylinder covers with the handle on page 104.

Manilla recuperable para puertas.

### CARACTERÍSTICAS TÉCNICAS

- Estética con la línea de cremonas Lyra y Leo.
- El juego de manillas se suministra con cuadradillo de 129 mm.
- La base permite la fijación de hasta 4 tornillos con doble posicionamiento cada uno.
- El diseño de las tapas cubre-tornillos oculta todo el mecanismo de fijación, contribuyendo a una práctica y rápida instalación.

Ver embellecedores de cilindro compatibles con la manilla en la página 104.



### MANILLA DE PUERTA GÉMINIS SIMPLE GEMINIS DOOR HANDLE SIMPLE



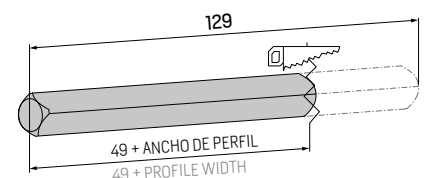
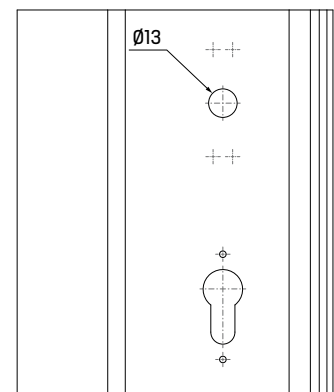
081 \*\*



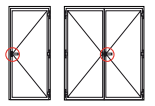
### MANILLA DE PUERTA GÉMINIS JUEGO GEMINIS DOOR HANDLE SET



05080 \*\*



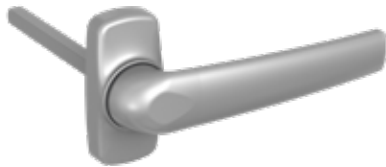
## MANILLA DE PUERTA LIBRA LIBRA DOOR HANDLE



### MANILLA DE PUERTA LIBRA SIMPLE LIBRA DOOR HANDLE SIMPLE

083 \*\*

25



Manilla estrecha recuperable para puerta.

#### CARACTERÍSTICAS TÉCNICAS

- Manilla estrecha de puerta en donde la persiana no deja espacio para la instalación de una manilla normal.
- Estética con la línea de cremonas Lyra y la manilla Géminis.
- El juego de manillas se suministra con cuadradillo de 129 mm.
- La base permite la fijación de hasta 4 tornillos con doble posicionamiento cada uno.
- El diseño de las tapas cubre-tornillos oculta todo el mecanismo de fijación, contribuyendo a una práctica y rápida instalación.

Ver embellecedores de cilindro compatibles con la manilla en la página 104.

Slim recoverable door handle.

#### TECHNICAL CHARACTERISTICS

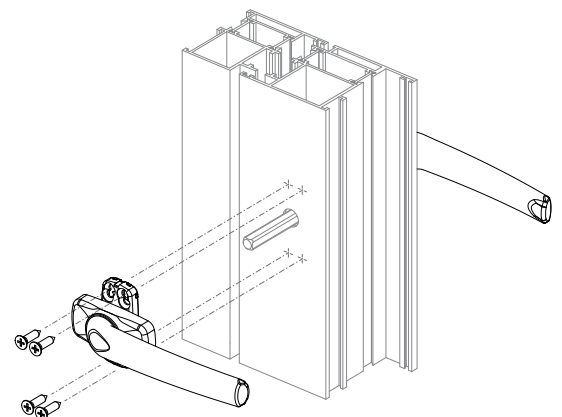
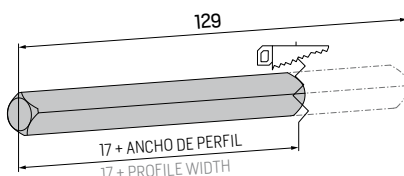
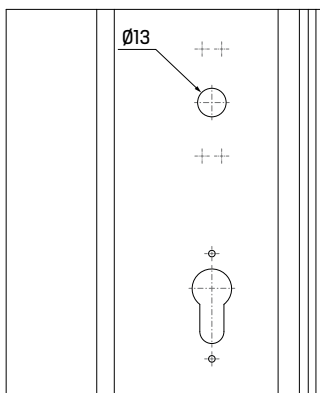
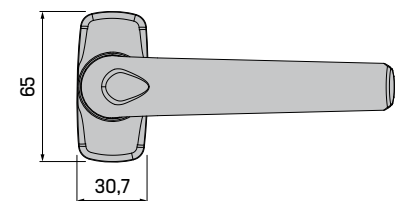
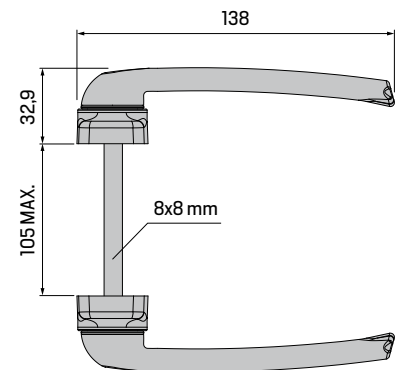
- Slim door handle where the shutter leaves no enough space for the installation of a normal door handle.
- Aesthetics with the Lyra cremone line and the Geminis handle.
- The handle set is supplied with a 129 mm spindle.
- The base allows the fixation of up to 4 screws with double positioning each one.
- The design of the screw covers hides the entire fixing mechanism, contributing to a practical and quick installation.

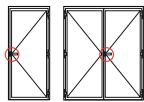
See compatible cylinder covers with the handle on page 104.

### MANILLA DE PUERTA LIBRA JUEGO LIBRA DOOR HANDLE SET

082 \*\*

20





Recoverable door handle.

### TECHNICAL CHARACTERISTICS

- Aesthetics with the Lyra and Leo cremona line.
- The design of the screw covers hides the entire fixing mechanism, contributing to a practical and quick installation.
- Can be installed either to the left or right.
- The handle set is supplied with a 129 mm spindle.
- Tested according to UNE-EN 1906 at 100,000 cycles with satisfactory results.

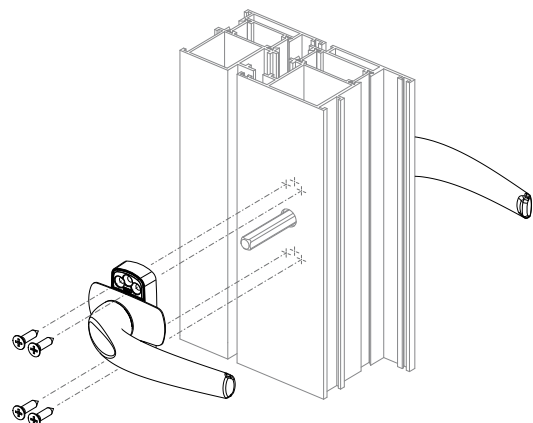
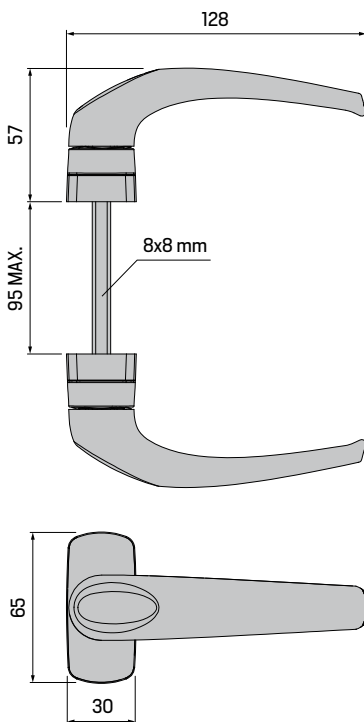
See compatible cylinder covers with the handle on page 104.

Manilla recuperable para puerta.

### CARACTERÍSTICAS TÉCNICAS

- Estética con la línea de cremonas Lyra y Leo.
- El diseño de las tapas cubre-tornillos oculta todo el mecanismo de fijación, contribuyendo a una práctica y rápida instalación.
- Se puede instalar tanto a derechas como a izquierdas.
- El juego de manillas se suministra con cuadradillo de 129 mm.
- Testado según UNE-EN 1906 a 100.000 ciclos con resultado satisfactorio.

Ver embellecedores de cilindro compatibles con la manilla en la página 104.



### MANILLA DE PUERTA INDO SIMPLE INDO DOOR HANDLE SIMPLE



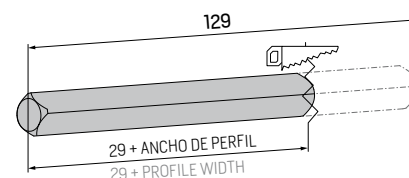
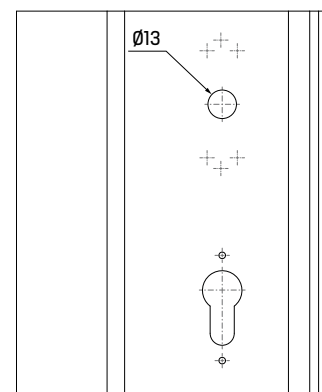
05087 \*\*



### MANILLA DE PUERTA INDO JUEGO INDO DOOR HANDLE SET

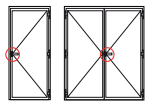


05086 \*\*



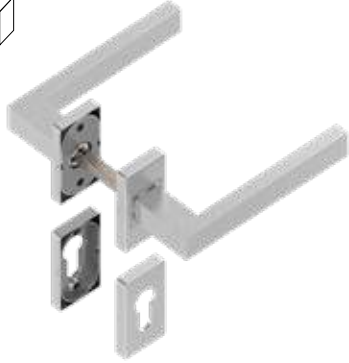
# MANILLAS DE PUERTA INOX KAIROX

## KAIROX STAINLESS STEEL DOOR HANDLES



KAIROX CC JUEGO  
KAIROX CC SET

260120



Manilla INOX recuperable con diseño reforzado para puertas.

### CARACTERÍSTICAS TÉCNICAS

- Manilla, roseta y embellecedor de bombillo en acero INOX AISI 304.
- Fijación mediante tornillos roscachapa directamente sobre el perfil.
- Transmisión por cuadradillo de 8 mm.
- Mecanismo interno metálico y ajustado.
- Testada con 200.000 ciclos de apertura.
- Cada referencia se suministra en juegos con embellecedores de bombillos, cuadradillo de 8 mm y tornillería.

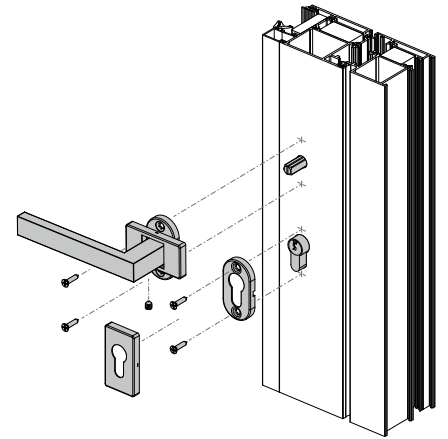
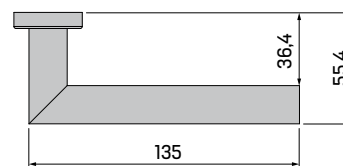
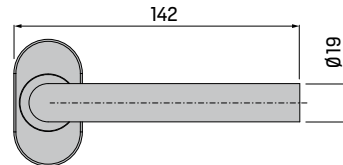
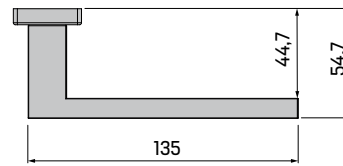
Recoverable stainless steel handle with reinforced design for doors.

### TECHNICAL CHARACTERISTICS

- Handle, cover and cylinder cover plate made of AISI 304 stainless steel.
- Fixing by means of self-tapping screws directly on the profile.
- Transmission via 8 mm spindle.
- Metallic and precise internal mechanism.
- Tested to 200,000 opening cycles.
- Each set comes supplied with cylinder cover plates, 8 mm spindle and screws.

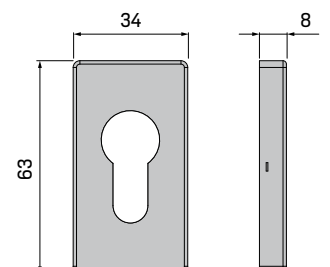
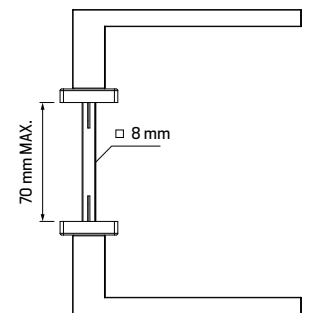
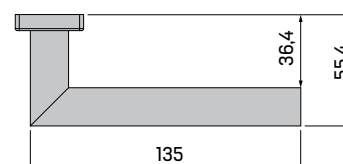
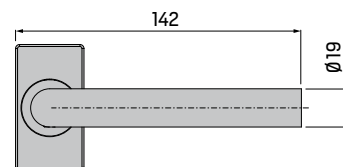
KAIROX RR JUEGO  
KAIROX RR SET

260220

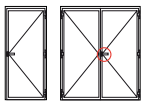


KAIROX CR JUEGO  
KAIROX CR SET

260320







Recoverable stainless steel handle with reinforced design for doors.

Manilla INOX recuperable con diseño reforzado para puertas.

KAIROX CRC JUEGO  
KAIROX CRC SET

**TECHNICAL CHARACTERISTICS**

- Handle, cover and cylinder cover plate made of AISI 304 stainless steel.
- Fixing by means of self-tapping screws directly on the profile.
- Transmission via 8 mm spindle.
- Metallic and precise internal mechanism.
- Tested to 200,000 opening cycles.
- Each set comes supplied with cylinder cover plates, 8 mm spindle and screws.

**CARACTERÍSTICAS TÉCNICAS**

- Manilla, roseta y embellecedor de bombillo en acero INOX AISI 304.
- Fijación mediante tornillos roscachapa directamente sobre el perfil.
- Transmisión por cuadradillo de 8 mm.
- Mecanismo interno metálico y ajustado.
- Testada con 200.000 ciclos de apertura.
- Cada referencia se suministra en juegos con embellecedores de bombillos, cuadradillo de 8 mm y tornillería.

Inx ZM

PH 2

8 mm



260321



KAIROX RRC JUEGO  
KAIROX RRC SET

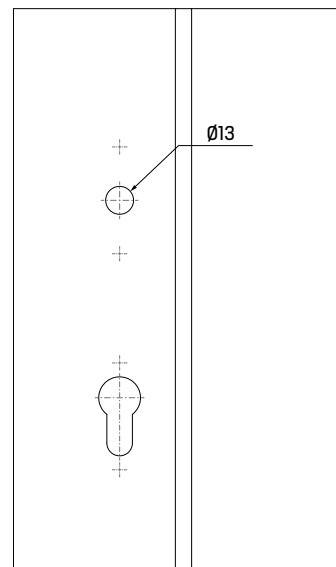
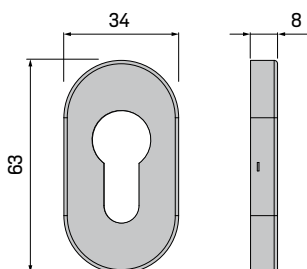
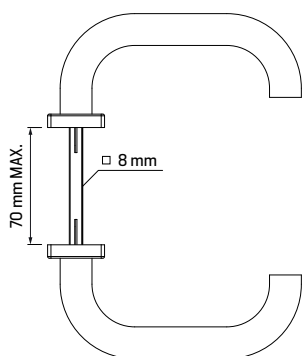
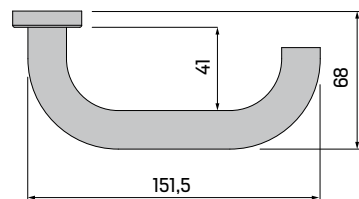
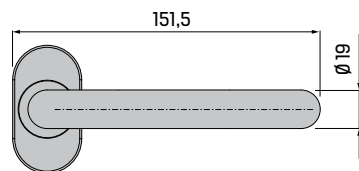
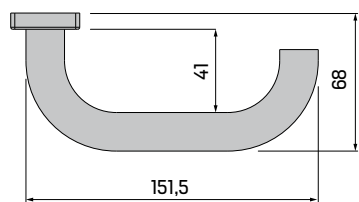
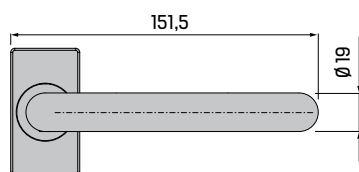
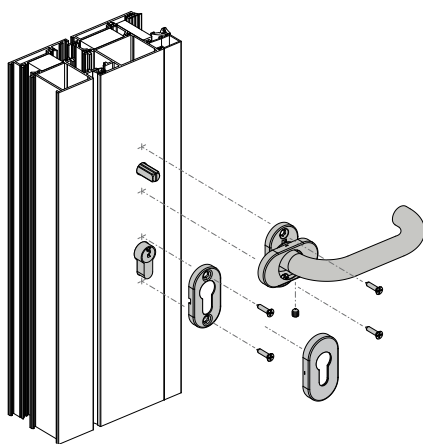
Inx ZM

PH 2

8 mm



260221





# TAU

## TIRADORES

### PULL HANDLES



**Personalización**  
Customization



**Acabados lacados y anodizados**  
Lacquered and anodized finishes



**Alto grado de exigencia**  
High standard



**Robustez contrastada**  
Tested robustness

STAC pone en valor su gama de herrajes para puerta a través del desarrollo de una nueva línea de tiradores de estética minimalista, que permite ampliar su catálogo de productos y mejora el valor añadido de sus sistemas de cerramiento.

La nueva línea TAU ofrece un atractivo especial para los arquitectos y decoradores mediante un diseño elegante, discreto y atemporal.

Los nuevos tiradores de puerta han sido diseñados considerando la composición geométrica elemental, la simplicidad de las formas, las proporciones y la precisión de los acabados.

STAC has enhanced their range of door hardware with the development of a new range of pull handles with a minimalist style, thus widening their product range and increasing the added-value of their closure systems.

The new TAU range is especially attractive to architects and interior designers with its elegant, discreet and timeless design.

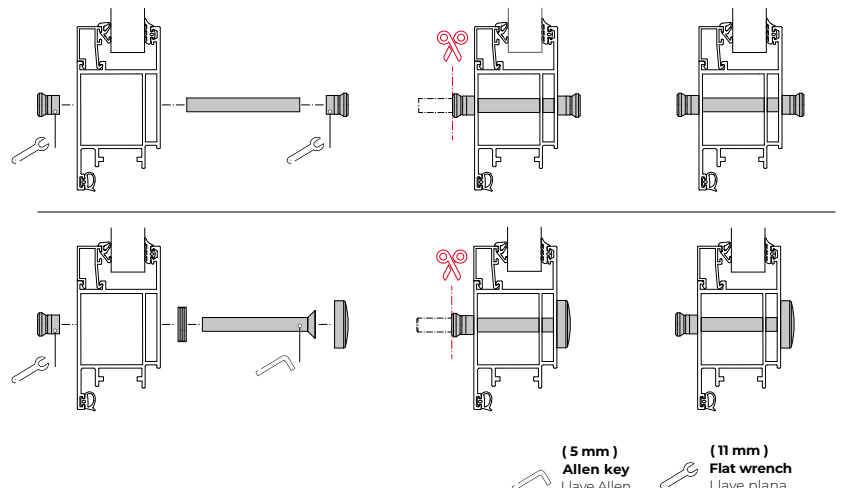
The new pull handles for doors have been designed with primary geometric composition, simplicity of form and proportions and precise finishes taken into consideration.

#### KITS DE FIJACIÓN

#### FIXING KITS

|          |                                       |  |
|----------|---------------------------------------|--|
| 05244002 | JUEGO DE TIRADORES<br>PULL HANDLE SET | **<br>RAL<br>AL Zm<br>PA Inx<br>ALLEN<br>4 |
| 05244003 | TIRADOR SIMPLE<br>SIMPLE PULL HANDLE  |  |

1



Minimalist door handle range for entrances to buildings and commercial establishments.

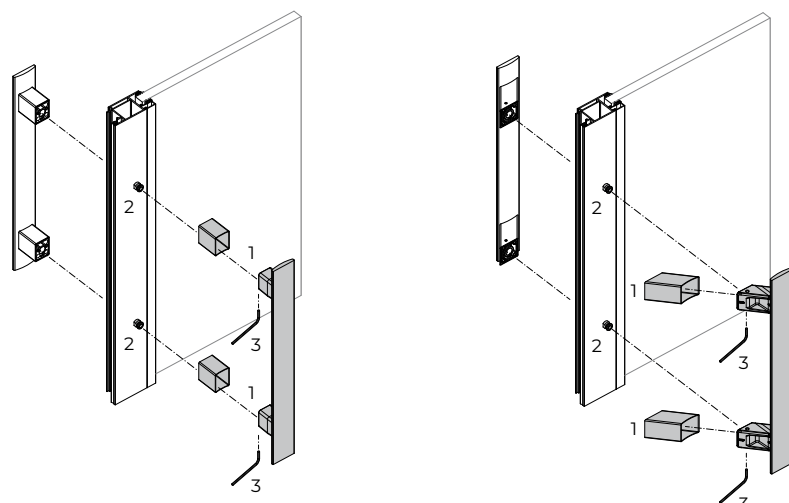
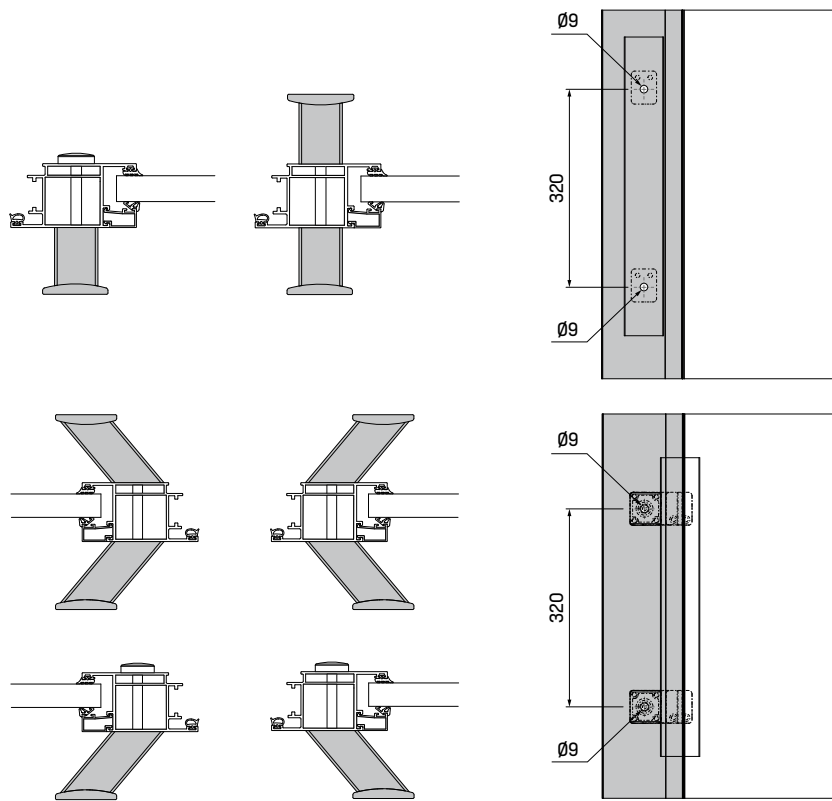
### TECHNICAL CHARACTERISTICS

- Different aesthetics available: straight or displaced pull handle.
- High degree of personalization: it allows to combine different finishes between the pull handle and the covers.
- Versatility in finishes: natural matt and acier grata anodised, lacquered in any colour from the RAL chart.
- Different fixing systems are available for simple assemblies or sets of pull handles.
- Quick assembly and easy profile machining.

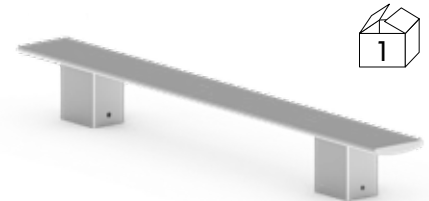
Línea de tiradores minimalistas de puerta para entradas a edificios y establecimientos comerciales.

### CARACTERÍSTICAS TÉCNICAS

- Diferentes estéticas disponibles: tirador recto o desplazado.
- Alto grado de personalización: permite combinar diferentes acabados entre el tirador y los embellecedores.
- Versatilidad en acabados: anodizados natural mate y acier grata, lacado en cualquier color de la carta RAL.
- Disponibles distintos sistemas de fijación para montajes simples o juegos.
- Montaje rápido y mecanizado sencillo de los perfiles.



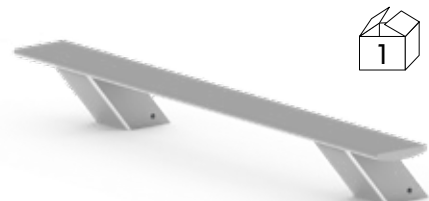
|    |  |        |    |
|----|--|--------|----|
| ** | TIRADOR + EMBELLECEDORES<br>PULL HANDLE + COVERS | 052411 | ** |
|    | TIRADOR<br>PULL HANDLE                           | 052421 | ** |
|    | KIT DE EMBELLECEDORES<br>COVER KIT               | 052431 | ** |



### TIRADOR TAU DESPLAZADO IZQUIERDA OFFSET TAU PULL HANDLE LEFT



|    |  |        |    |
|----|--|--------|----|
| ** | TIRADOR + EMBELLECEDORES<br>PULL HANDLE + COVERS | 052412 | ** |
|    | TIRADOR<br>PULL HANDLE                           | 052422 | ** |
|    | KIT DE EMBELLECEDORES<br>COVER KIT               | 052432 | ** |



### TIRADOR TAU DESPLAZADO DERECHA OFFSET TAU PULL HANDLE RIGHT

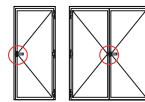


|    |  |        |    |
|----|--|--------|----|
| ** | TIRADOR + EMBELLECEDORES<br>PULL HANDLE + COVERS | 052413 | ** |
|    | TIRADOR<br>PULL HANDLE                           | 052423 | ** |
|    | KIT DE EMBELLECEDORES<br>COVER KIT               | 052433 | ** |



# TIRADOR NAOS JUEGO

## NAOS PULL HANDLE SET



0508030 \*\*



Tiradores de puerta para entradas a edificios y establecimientos comerciales.

### CARACTERÍSTICAS TÉCNICAS

- Sistema de fijación oculto que impide el desmontaje desde el exterior, evitando de esta forma los intentos de forzamiento y robo.
- Montaje rápido y mecanizado sencillo.
- Disponibles en juegos o unitariamente.
- Posibilidad de lacar en cualquier color de la carta RAL.

Door handles for entrances to buildings and commercial establishments.

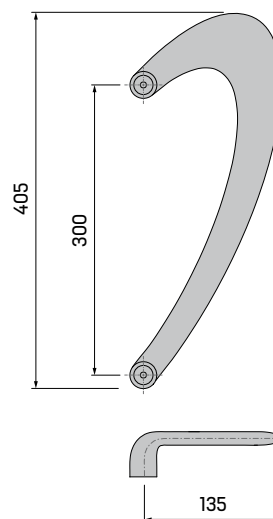
### TECHNICAL CHARACTERISTICS

- Hidden fixing system that prevents disassembly from the outside, thus avoiding attempts at forcing and theft.
- Quick assembly and easy machining.
- Available individually or as a set.
- Possibility of lacquering in any colour from the RAL chart.

## TIRADOR NAOS SIMPLE DERECHA

### NAOS PULL HANDLE SIMPLE RIGHT

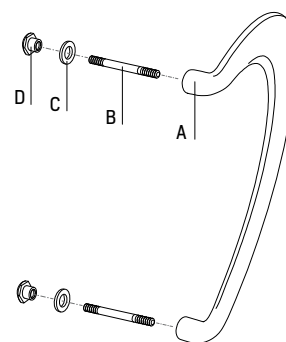
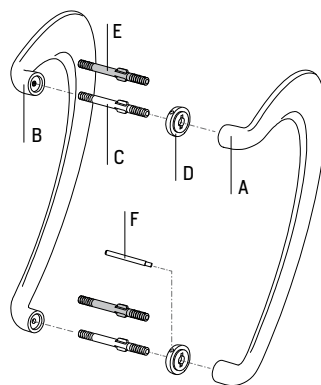
0508031 \*\*



## TIRADOR NAOS SIMPLE IZQUIERDA

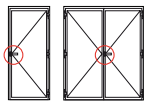
### NAOS PULL HANDLE SIMPLE LEFT

0508032 \*\*



| DESCRIPCIÓN<br>DESCRIPTION                          |   |
|---|---|
| A TIRADOR DERECHA<br>RIGHT PULL HANDLE              | 1 |
| B TIRADOR IZQUIERDA<br>LEFT PULL HANDLE             | 1 |
| C TORNILLOS DERECHA M8x126<br>RIGHT SCREWS M8x126   | 2 |
| D DISCOS DE FIJACIÓN Ø29x10<br>FIXING PLATES Ø29x10 | 2 |
| E TORNILLOS IZQUIERDA M8x126<br>LEFT SCREWS M8x126  | 2 |
| F LLAVE DE FIJACIÓN<br>FIXING KEY                   | 1 |

| DESCRIPCIÓN<br>DESCRIPTION                        |   |
|---|---|
| A TIRADOR DERECHA<br>RIGHT PULL HANDLE            | 1 |
| B TORNILLOS DERECHA M8x114<br>RIGHT SCREWS M8x114 | 2 |
| C ARANDELAS INOX<br>INOX WASHERS                  | 2 |
| D TUERCAS<br>NUTS                                 | 2 |



Door handles for entrances to buildings and commercial establishments.

### TECHNICAL CHARACTERISTICS

- Hidden fixing system that prevents disassembly from the outside, thus avoiding attempts at forcing and theft.
- Maintains the aesthetics and symmetry of window and sliding handles.
- Quick assembly and easy machining.
- Available individually or as a set.
- Possibility of lacquering in any colour from the RAL chart.

Tiradores de puerta para entradas a edificios y establecimientos comerciales.

### CARACTERÍSTICAS TÉCNICAS

- Sistema de fijación oculto que impide el desmontaje desde el exterior, evitando de esta forma los intentos de forzamiento y robo.
- Mantiene la estética y simetría de los tiradores para ventana y corredera.
- Montaje rápido y mecanizado sencillo.
- Disponibles en juegos o unitariamente.
- Posibilidad de lacar en cualquier color de la carta RAL.



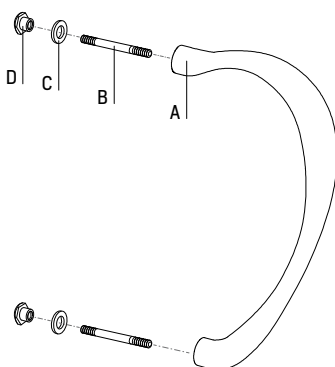
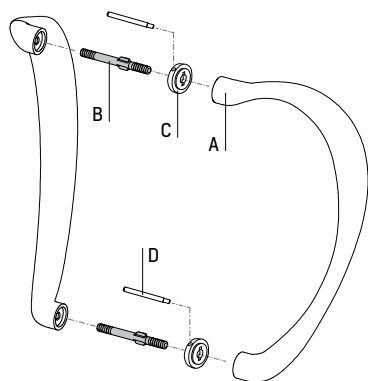
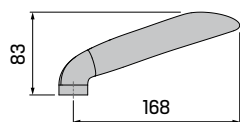
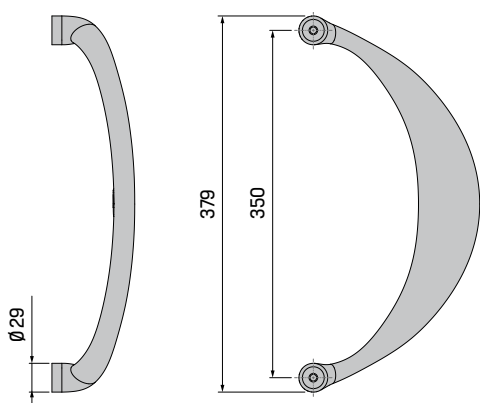
0508033 \*\*



### TIRADOR FÉNIX SIMPLE FENIX PULL HANDLE SIMPLE



0508034 \*\*

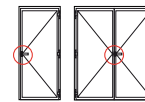


| DESCRIPCIÓN<br>DESCRIPTION                                 |   |
|--|---|
| <b>A</b> TIRADOR<br>PULL HANDLE                            | 2 |
| <b>B</b> TORNILLOS IZQUIERDA M8x126<br>LEFT SCREWS M8x126  | 2 |
| <b>C</b> DISCOS DE FIJACIÓN Ø29x10<br>FIXING PLATES Ø29x10 | 2 |
| <b>D</b> LLAVE DE FIJACIÓN<br>FIXING KEY                   | 1 |

| DESCRIPCIÓN<br>DESCRIPTION                               |   |
|--|---|
| <b>A</b> TIRADOR<br>PULL HANDLE                          | 1 |
| <b>B</b> TORNILLOS DERECHA M8x114<br>RIGHT SCREWS M8x114 | 2 |
| <b>C</b> ARANDELAS INOX<br>INOX WASHERS                  | 2 |
| <b>D</b> TUERCAS<br>NUTS                                 | 2 |

# EMBELLECEDORES DE CILINDRO

## CYLINDER COVER PLATES



### EMBELLECEDOR DE CILINDRO SLIM

#### SLIM CYLINDER COVER PLATE

0508053 \*\*

\*\*

ANODIC

AL

PH 2



Embelledores compatibles con cilindros europeos estándar.

Compatible cover plates for standard european cylinders.

#### CARACTERÍSTICAS TÉCNICAS

- El diseño de las tapas cubre-tornillos ocultan los tornillos de fijación.

#### TECHNICAL CHARACTERISTICS

- The design of the cover-screws conceals the fixing screws.

#### Embelledor SLIM

- Acabado anodizado.
- Estética minimalista.
- Profundidad de 6,2 mm.

#### SLIM cover plate

- Anodized finish.
- Minimalist aesthetic.
- Depth of 6,2 mm.

#### Embelledor SIRIUS

- Estética del escudo de la manilla de puerta Sirius y Polaris.
- Profundidad de 8,7 mm.

#### SIRIUS cover plate

- Aesthetics of the base cover of the Sirius and Polaris door handle.
- Depth of 8,7 mm.

#### Embelledor GÉMINIS

- Estética del escudo de la manilla de puerta Géminis.
- Profundidad de 10 mm.

#### GEMINIS cover plate

- Aesthetics of the base cover of the Geminis door handle.
- Depth of 10 mm.

### EMBELLECEDOR DE CILINDRO SIRIUS

#### SIRIUS CYLINDER COVER PLATE

0508029 \*\*

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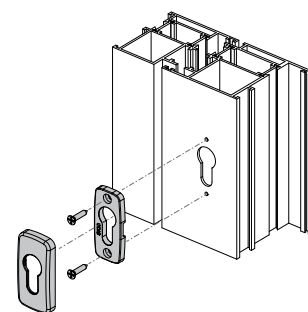
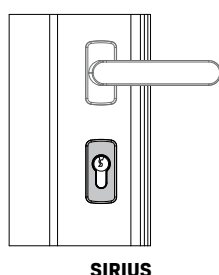
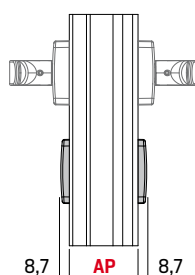
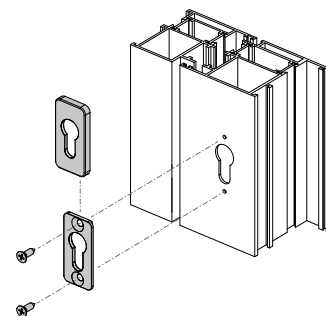
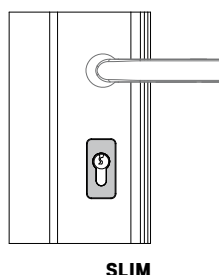
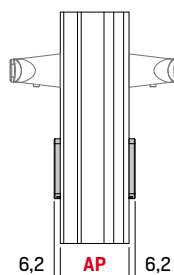
ZM PE

PH 2



Cilindro europeo estándar no incluido

European standard cylinder lock not included



### EMBELLECEDOR DE CILINDRO GÉMINIS

#### GEMINIS CYLINDER COVER PLATE

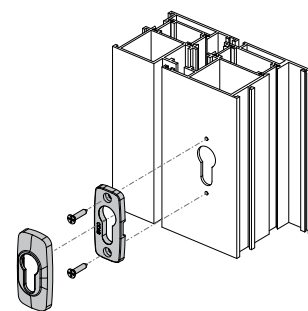
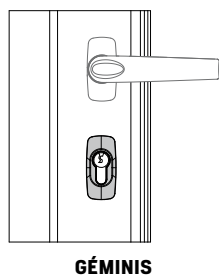
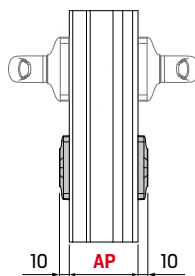
0508028 \*\*

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ZM PE

PH 2



Para seleccionar la medida del cilindro tener en cuenta: ANCHO PERFIL (AP) + PROFUNDIDAD EMBELLECEDOR  
To select the size of the cylinder lock take into account: PROFILE WIDTH (AP) + CYLINDER COVER PLATE DEPTH

4

# Practicable Casement

Kit de practicable

Casement kit

Kit de practicable regulable

Adjustable casement kit

Configuraciones de practicable

Casement configurations

Kit de apertura exterior

Outward opening kit

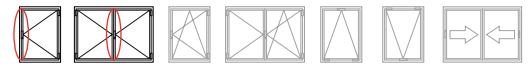
Configuraciones de apertura exterior

Outward opening configurations

Configuraciones de apertura exterior bidireccional

Two-way outward opening configurations





Kits para aperturas practicables.

Kit for casement openings.

**CARACTERÍSTICAS TÉCNICAS**

**TECHNICAL CHARACTERISTICS**

- El diseño del cerradero de 2 hojas permite, mediante un ranurado, una regulación progresiva aumentando así el ajuste del cerramiento.
- Pasador, terminal, pletina de unión y anclaje de transmisión de poliamida reforzada con un 20% de fibra de vidrio para dar más dureza y resistencia.
- Disponibles diámetros de 6 y 8 mm.

- The design of the two-sash striker allows, by means of a groove, a progressive regulation thus increasing the adjustment of the closure.
- Pin, terminal, connecting plate and transmission anchorage of polyamide reinforced with 20% fiberglass to give more hardness and strength.
- Available diameters of 6 and 8 mm.

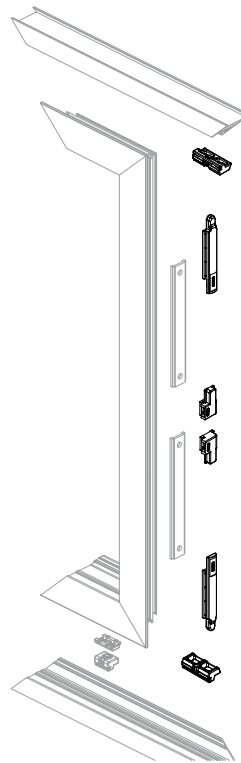
- 07K1H** KIT 1 HOJA Ø8  
Ø8 SINGLE SASH KIT
- 07K2H** KIT 2 HOJAS Ø8  
Ø8 DOUBLE SASH KIT
- 07K1HD6** KIT 1 HOJA Ø6  
Ø6 SINGLE SASH KIT
- 07K2HD6** KIT 2 HOJAS Ø6  
Ø6 DOUBLE SASH KIT
- 07K1HPA** KIT 1 HOJA CON CERRADEROS PLÁSTICOS  
SINGLE SASH KIT WITH PLASTIC STRIKERS
- 07K2HPA** KIT 2 HOJAS CON CERRADEROS PLÁSTICOS  
DOUBLE SASH KIT WITH PLASTIC STRIKERS



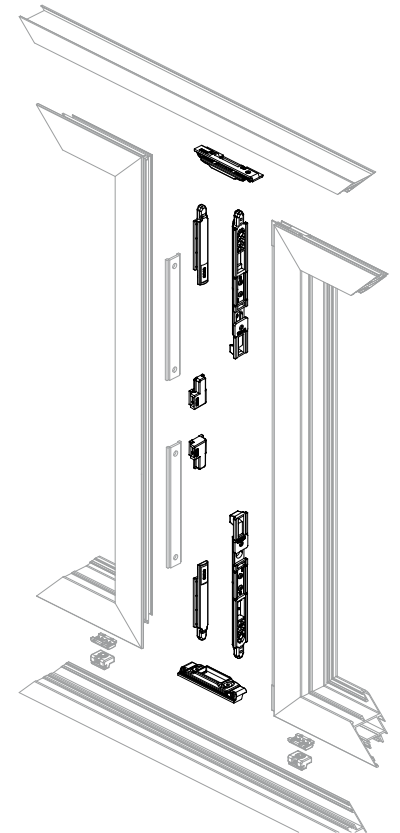
KIT PRACTICABLE DE ZAMAK  
ZAMAK CASEMENT KIT



- R07K1H** KIT ZAMAK DE 1 HOJA Ø8  
Ø8 SINGLE SASH ZAMAK KIT
- R07K2H** KIT ZAMAK DE 2 HOJAS Ø8  
Ø8 DOUBLE SASH ZAMAK KIT



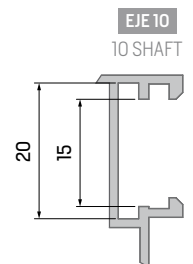
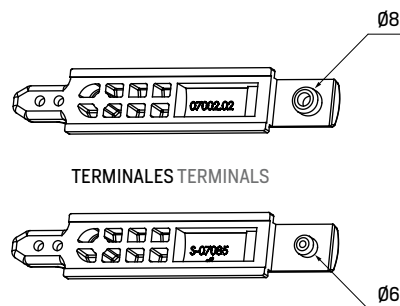
**07K1H 07K1HD6**  
KITS DE 1 HOJA  
SINGLE SASH KITS



**07K2H 07K2HD6**  
KITS DE 2 HOJAS  
DOUBLE SASH KITS

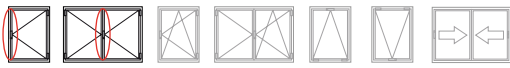
**CERRADERO PLÁSTICO**  
PLASTIC STRIKER

**0507059**



**INVERSOR MARCO / HOJA**  
FRAME / SASH INVERTER





Adjustable kit for casement windows

Kit regulable para aperturas practicables.

**TECHNICAL CHARACTERISTICS**

- The terminals are equipped with a bushing and a metal point that allow adjustment.
- Pin, terminal, connecting plate and transmission anchorage of polyamide reinforced with 20% fiberglass to give more hardness and strength.
- Kits are available for passive sash with inverter 15/20 and special 13,5/16,8.

**CARACTERÍSTICAS TÉCNICAS**

- Los terminales están provistos de un casquillo y una punta metálica que permiten regulación.
- Pasador, terminal, pletina de unión y anclaje de transmisión de poliamida reforzada con un 20% de fibra de vidrio para dar más dureza y resistencia.
- Disponibles kits para hoja pasiva con inversor 15/20 y especial 13,5/16,8.



KIT 1 HOJA CON PUNTA METÁLICA Ø6  
SINGLE SASH KIT WITH Ø6 METALLIC POINT

**07K1HRD6**

KIT 2 HOJAS CON PUNTA METÁLICA Ø6  
DOUBLE SASH KIT WITH Ø6 METALLIC POINT

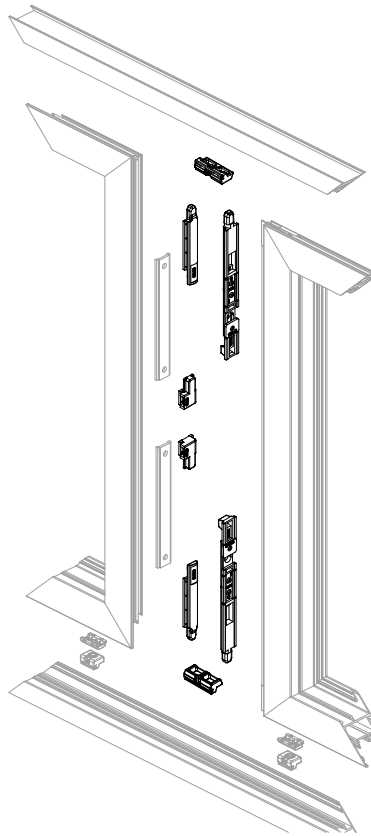
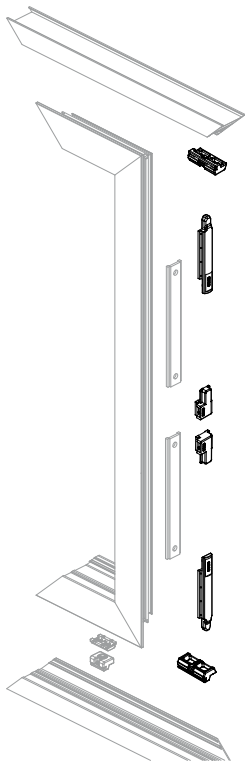
**07K2HRD6**

KIT HOJA PASIVA CON PUNTA METÁLICA Ø6 (15/20)  
PASSIVE SASH KIT WITH Ø6 METALLIC POINT (15/20)

**07K3HRD6**

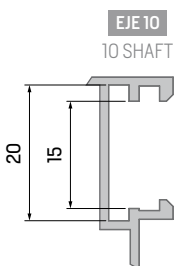
KIT HOJA PASIVA CON PUNTA METÁLICA Ø6 (13,5/16,8)  
PASSIVE SASH KIT WITH Ø6 METALLIC POINT (13,5/16,8)

**07K4HRD6**

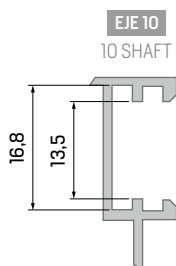


**07K1HRD6**  
KIT REGULABLE DE 1 HOJA  
SINGLE SASH ADJUSTABLE KIT

**07K2HRD6**  
KIT REGULABLE DE 2 HOJAS  
DOUBLE SASH ADJUSTABLE KIT

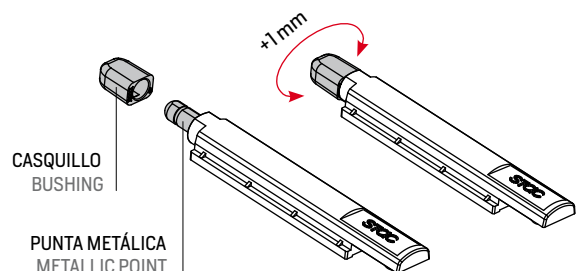


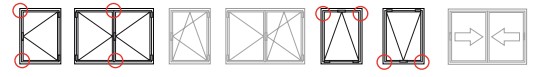
**INVERSOR MARCO / HOJA**  
FRAME / SASH INVERTER



**INVERSOR MARCO / MARCO**  
FRAME / FRAME INVERTER

**REGULACIÓN DEL TERMINAL A TRAVÉS DEL CASQUILLO**  
ADJUSTMENT OF THE TERMINAL VIA THE BUSHING





113420

ZM INX



Ángulo de reenvío válido para aperturas practicables, abatibles o proyectantes.

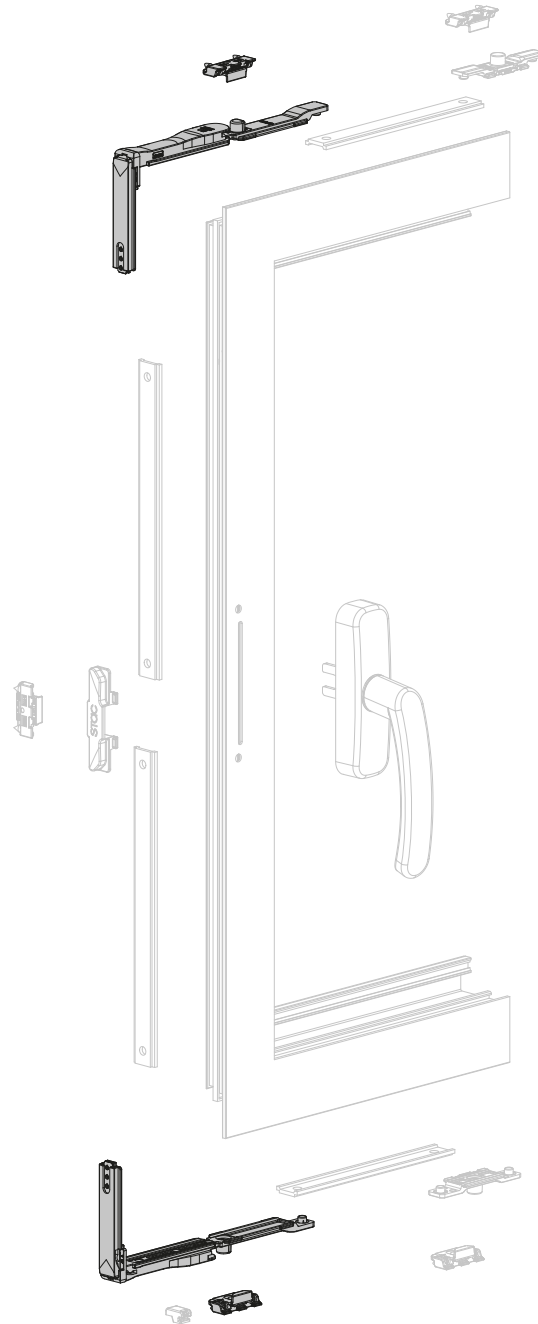
Corner drive valid for casement, bottom-hung or top-hung window openings.

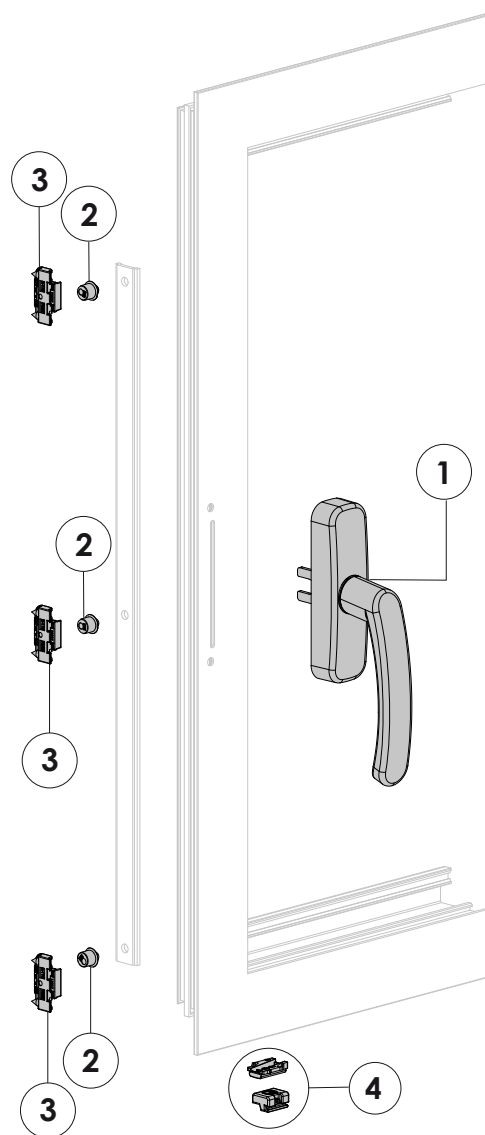
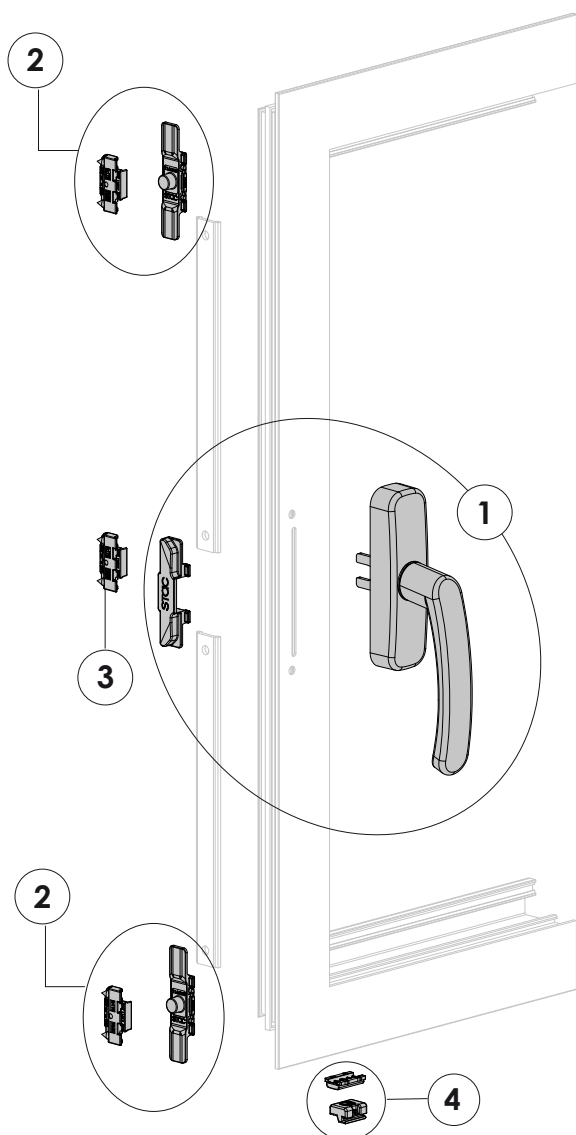
### CARACTERÍSTICAS TÉCNICAS

### TECHNICAL CHARACTERISTICS

- Ángulo horizontal válido para aperturas practicables con cierre al marco.
- El kit está formado por un ángulo de reenvío horizontal y un punto de cierre regulable.

- Horizontal corner drive for casement openings with locking to frame.
- The kit consists of a horizontal corner drive and an adjustable locking point.





**CIERRE AL INVERSOR CON KIT PTO. DE CIERRE SUPLEMENTARIO**  
LOCKING TO INVERTER WITH SUPPLEMENTARY LOCKING POINT KIT

**CIERRE AL INVERSOR CON REMACHES**  
LOCKING TO INVERTER WITH RIVETS

1 **CREMONA PRACTICABLE SIN FUNDA: SIRIUS, LYRA O LEO**  
CASEMENT CREMONE WITHOUT COVER: SIRIUS, LYRA OR LEO

1 **CREMONA PRACTICABLE: SIRIUS, LYRA O LEO**  
CASEMENT CREMONE: SIRIUS, LYRA OR LEO

2 **113000IM KIT PTO. DE CIERRE SUPLEMENTARIO**  
SUPPLEMENTARY LOCKING POINT KIT  50

2 **0517002 REMACHE PUNTO DE CIERRE Ø6**  
Ø6 RIVET LOCKING POINT  50

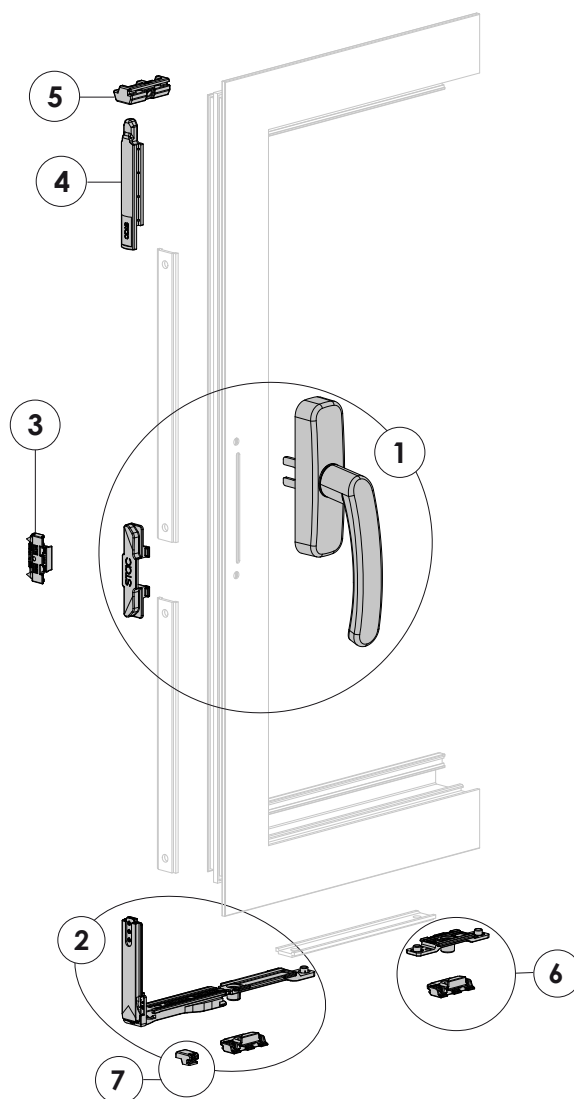
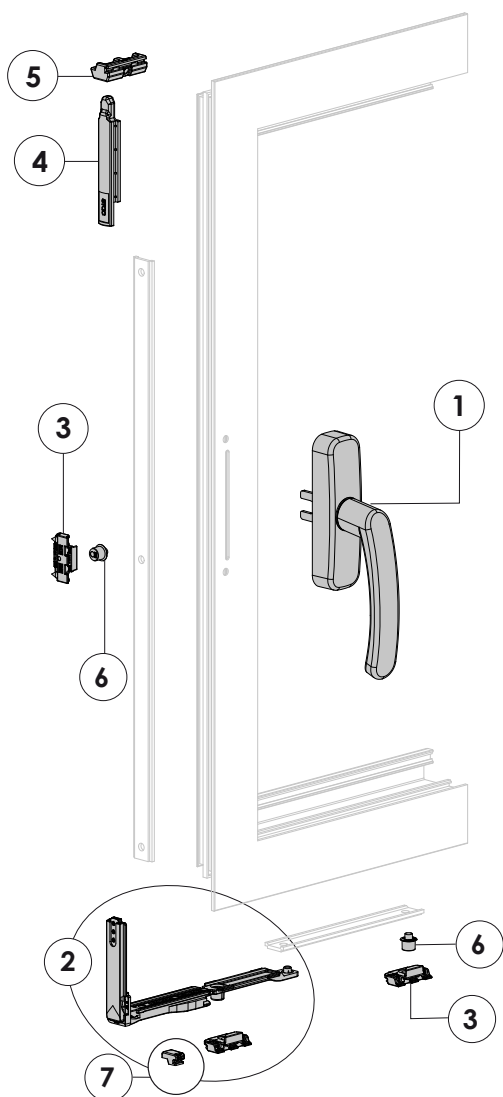
3 **110200 PUNTO DE CIERRE REGULABLE**  
ADJUSTABLE LOCKING POINT  100

2 **0511088 REMACHE PUNTO DE CIERRE Ø8**  
Ø8 RIVET LOCKING POINT  50

4 **0710621 CONJUNTO RESBALÓN**  
LATCH KIT  100

3 **110200 PUNTO DE CIERRE REGULABLE**  
ADJUSTABLE LOCKING POINT  100

4 **0710621 CONJUNTO RESBALÓN**  
LATCH KIT  100

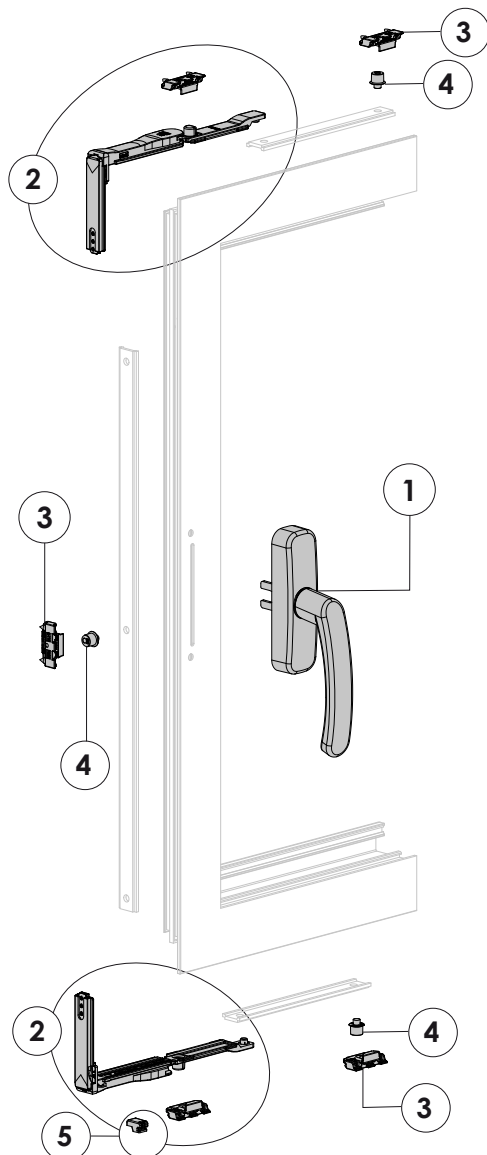
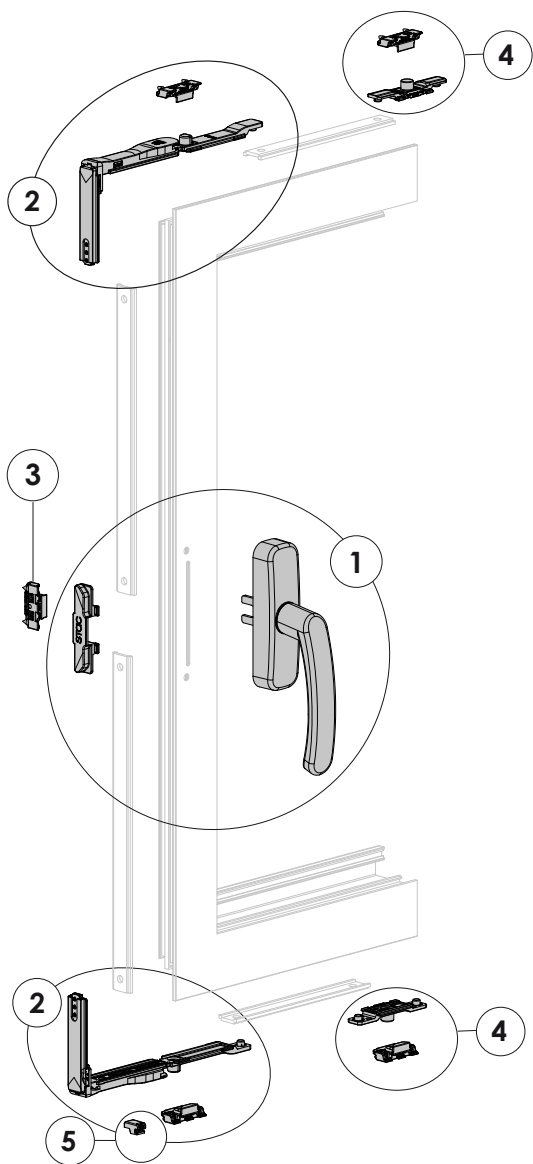
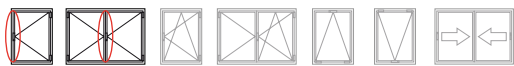


**CIERRE AL MARCO 1 CON FUNDA DE TRANSMISIÓN**  
LOCKING TO FRAME 1 WITH TRANSMISSION COVER

**CIERRE AL MARCO 1 CON REMACHES**  
LOCKING TO FRAME 1 WITH RIVETS





|   |   |  |
|---|---|--|
| 1 | <b>CREMONA PRACTICABLE SIN FUNDA: SIRIUS, LYRA O LEO</b><br>CASEMENT CREMONE WITHOUT COVER: SIRIUS, LYRA OR LEO |  |
| 2 | <b>113420 KIT ÁNG. DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT                                     |  |
| 3 | <b>110200 PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT   |  |
| 4 | <b>07085 PUNTERO PRACTICABLE Ø6</b><br>Ø6 CASEMENT POINTER  |  |
| 5 | <b>0507105 CERRADERO UNIVERSAL</b><br>UNIVERSAL STRIKER   |  |
| 6 | <b>113000IM KIT PTO. DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKING POINT KIT                             |  |
| 7 | <b>0517193 RESBALÓN</b><br>LATCH  |  |






|   |   |  |
|---|---|--|
| 1 | <b>CREMONA PRACTICABLE SIN FUNDA: SIRIUS, LYRA O LEO</b><br>CASEMENT CREMONE WITHOUT COVER: SIRIUS, LYRA OR LEO |  |
| 2 | <b>113420 KIT ÁNG. DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT                                     |  |
| 3 | <b>110200 PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT   |  |
| 4 | <b>07085 PUNTERO PRACTICABLE Ø6</b><br>Ø6 CASEMENT POINTER  |  |
| 5 | <b>0507105 CERRADERO UNIVERSAL</b><br>UNIVERSAL STRIKER   |  |
| 6 | <b>0517002 REMACHE PUNTO DE CIERRE Ø6</b><br>Ø6 RIVET LOCKING POINT   |  |
|   | <b>0511088 REMACHE PUNTO DE CIERRE Ø8</b><br>Ø8 RIVET LOCKING POINT   |  |
| 7 | <b>0517193 RESBALÓN</b><br>LATCH  |  |

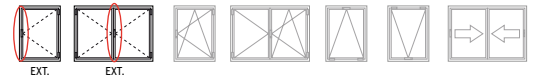


**CIERRE AL MARCO 2 CON FUNDA DE TRANSMISIÓN**  
LOCKING TO FRAME 2 WITH TRANSMISSION COVER

**CIERRE AL MARCO 2 CON REMACHES**  
LOCKING TO FRAME 2 WITH RIVETS

|   |   |   |
|---|---|---|
| 1 | <b>CREMONA PRACTICABLE SIN FUNDA: SIRIUS, LYRA O LEO</b><br>CASEMENT CREMONE WITHOUT COVER: SIRIUS, LYRA OR LEO |   |
| 2 | <b>113420 KIT ÁNG. DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT                                     |  |
| 3 | <b>110200 PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT   |  |
| 4 | <b>113000IM KIT PTO. DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKING POINT KIT                             |  |
| 5 | <b>0517193 RESBALÓN</b><br>LATCH  |  |

|   |   |   |
|---|---|---|
| 1 | <b>CREMONA PRACTICABLE SIN FUNDA: SIRIUS, LYRA O LEO</b><br>CASEMENT CREMONE WITHOUT COVER: SIRIUS, LYRA OR LEO |   |
| 2 | <b>113420 KIT ÁNG. DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT                                     |  |
| 3 | <b>110200 PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT   |  |
| 4 | <b>0517002 REMACHE PUNTO DE CIERRE Ø6</b><br>Ø6 RIVET LOCKING POINT   |  |
|   | <b>0511088 REMACHE PUNTO DE CIERRE Ø8</b><br>Ø8 RIVET LOCKING POINT   |  |
| 5 | <b>0517193 RESBALÓN</b><br>LATCH  |  |



Accesorios para apertura exterior.

**CARACTERÍSTICAS TÉCNICAS**

- Sistema de cierre de apertura exterior para la cremona Hydra formado por un bulón y una pieza de transmisión.
- Existen 3 tamaños de pala para la cremona y 3 tamaños de bulón, lo que permite que se puedan adaptar a un gran número de series, ofreciendo una solución cómoda y de rápido montaje.
- Tanto la transmisión como los puntos de cierre están fabricados en zamak.
- Disponible listado de configuraciones para múltiples series. Consultar departamento técnico.

Ver cremonas de apertura exterior HYDRA en el capítulo 2: "Cremonas y manillas"

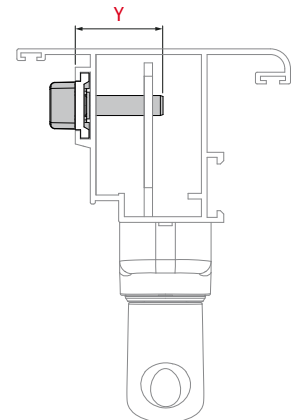
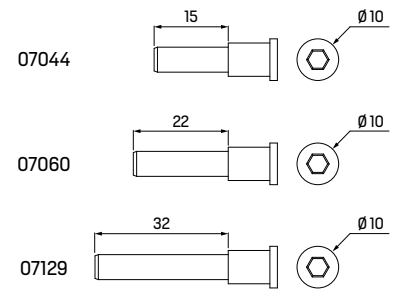
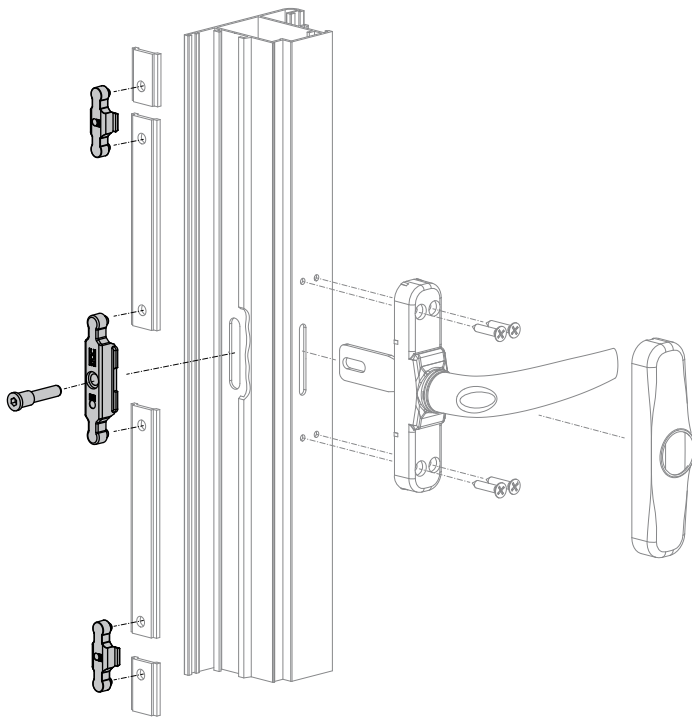
Accessories for outward opening.

**TECHNICAL CHARACTERISTICS**

- Outward opening closing system for the Hydra cremona made up of a bolt and a transmission part.
- There are 3 levers sizes for the cremona and 3 bolt sizes, allowing them to adapt to a large number of series, offering a convenient and quick assembly solution.
- Both the transmission and the locking points are made of zamak.
- A list of configurations for multiple series is available. Consult technical department.

See HYDRA outward opening cremones in chapter 2: "Cremones and handles"

- 074K01C** KIT DE TRANSMISIÓN CORTA (07044)  
SHORT TRANSMISSION KIT (07044)
- 074K01L** KIT DE TRANSMISIÓN LARGA (07030)  
LONG TRANSMISSION KIT (07030)
- 075K01CE1** KIT DE TRANSMISIÓN BULÓN ESPECIAL (07129)  
SPECIAL BOLT TRANSMISSION KIT (07129)



Inx Zm

**TRANSMISIÓN + BULÓN CORTO**  
TRANSMISSION + SHORT BOLT

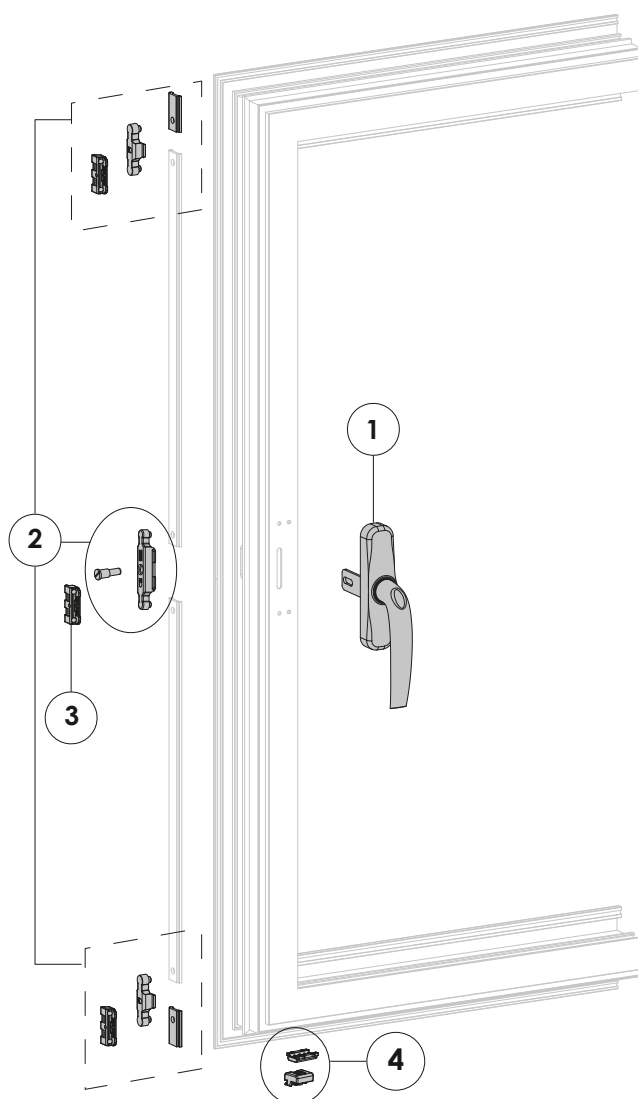
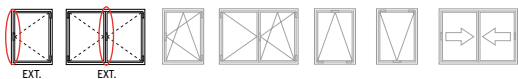
**074K01**

Inx Zm





**TRANSMISIÓN + BULÓN LARGO**  
TRANSMISSION + LONG BOLT

**075K01**

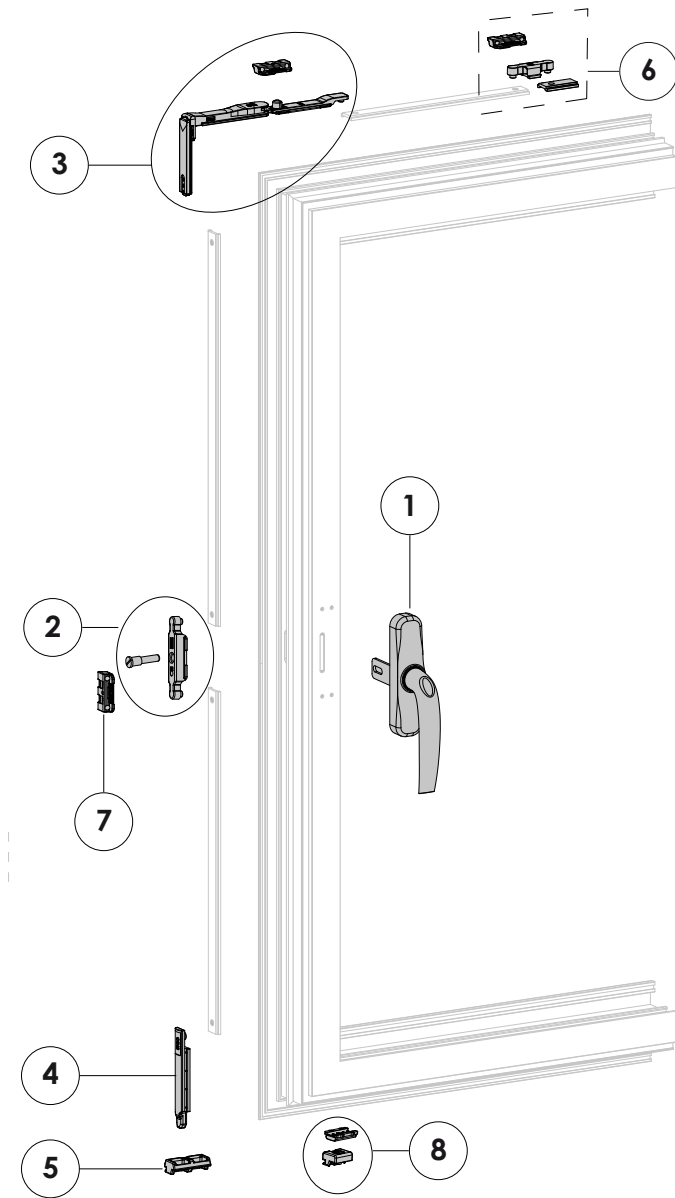
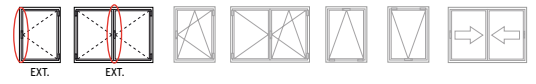
| BULÓN BOLT |                                       | Y     |
|------------|---------------------------------------|-------|
| 07044      | <b>BULÓN CORTO</b><br>SHORT BOLT      | 19 mm |
| 07060      | <b>BULÓN LARGO</b><br>LONG BOLT       | 26 mm |
| 07129      | <b>BULÓN ESPECIAL</b><br>SPECIAL BOLT | 36 mm |



**CIERRE AL INVERSOR** LOCKING TO INVERTER

|   |   |   |
|---|---|---|
| 1 | <b>CREMONA DE APERTURA EXTERIOR HYDRA</b><br>POLARIS OUTWARD OPENING HANDLE |  |
| 2 | <b>074K01C</b> <b>KIT DE TRANSMISIÓN CORTA</b><br>SHORT TRANSMISSION KIT    |  |
|   | <b>074K01L</b> <b>KIT DE TRANSMISIÓN LARGA</b><br>LONG TRANSMISSION KIT     |   |
| 3 | <b>110200</b> <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT  |  |
| 4 | <b>0710621</b> <b>CONJUNTO RESBALÓN</b><br>LATCH KIT                        |  |

**Configuración realizable con remaches** This configuration can be made with rivets

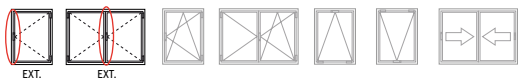


**CIERRE AL MARCO LOCKING TO FRAME 1**

|   |   |     |
|---|---|-----|
| 1 | <b>CREMONA DE APERTURA EXTERIOR HYDRA</b><br>POLARIS OUTWARD OPENING HANDLE | 15  |
| 2 | <b>074K01 TRANSMISIÓN + BULÓN CORTO</b><br>TRANSMISSION + SHORT BOLT        | 20  |
|   | <b>075K01 TRANSMISIÓN + BULÓN LARGO</b><br>TRANSMISSION + LONG BOLT         |     |
| 3 | <b>113420 KIT ÁNG. DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT | 20  |
| 4 | <b>07085 PUNTERO PRACTICABLE Ø6</b><br>Ø6 CASEMENT POINTER                  | 100 |
| 5 | <b>0507105 CERRADERO UNIVERSAL</b><br>UNIVERSAL STRIKER                     | 50  |
| 6 | <b>113000 KIT PUNTO DE CIERRE ADICIONAL</b><br>ADDITIONAL LOCKING POINT KIT | 50  |
| 7 | <b>110200 PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT         | 100 |
| 8 | <b>0710621 CONJUNTO RESBALÓN</b><br>LATCH KIT                               | 100 |

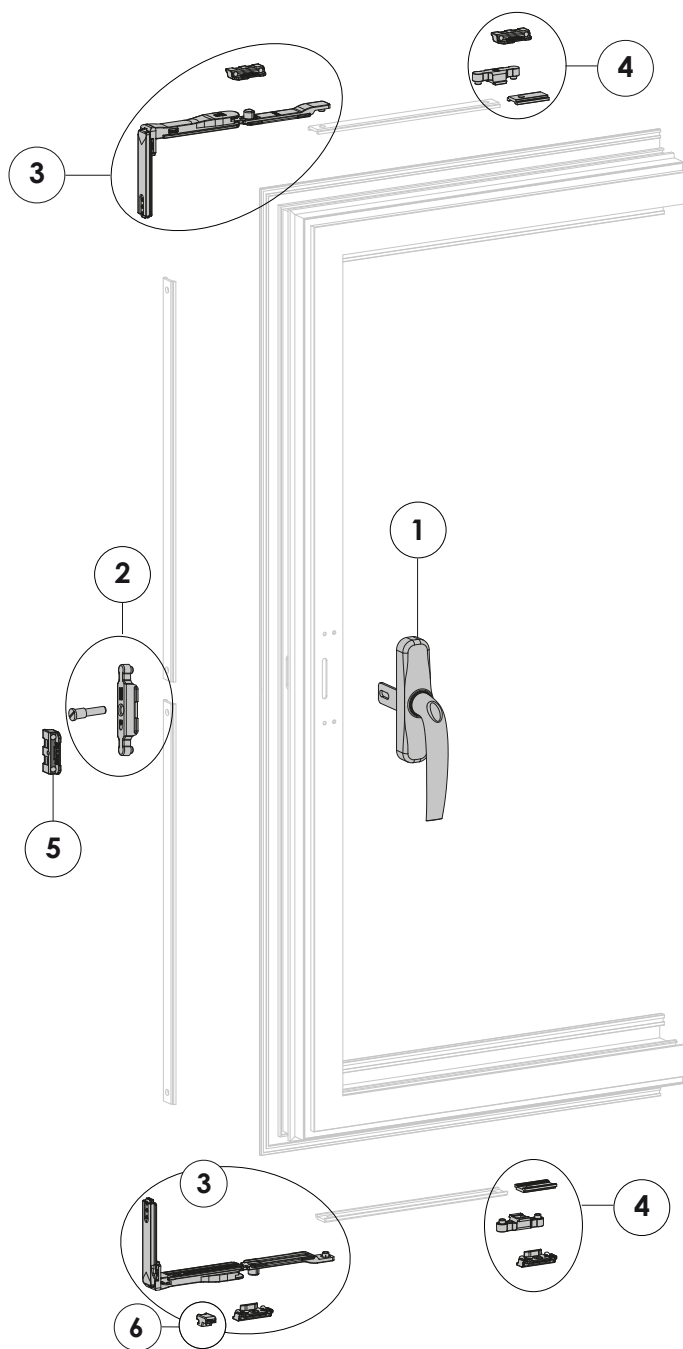
**Configuración realizable con remaches** This configuration can be made with rivets












# CONFIGURACIÓN APERTURA EXTERIOR CIERRE AL MARCO 2

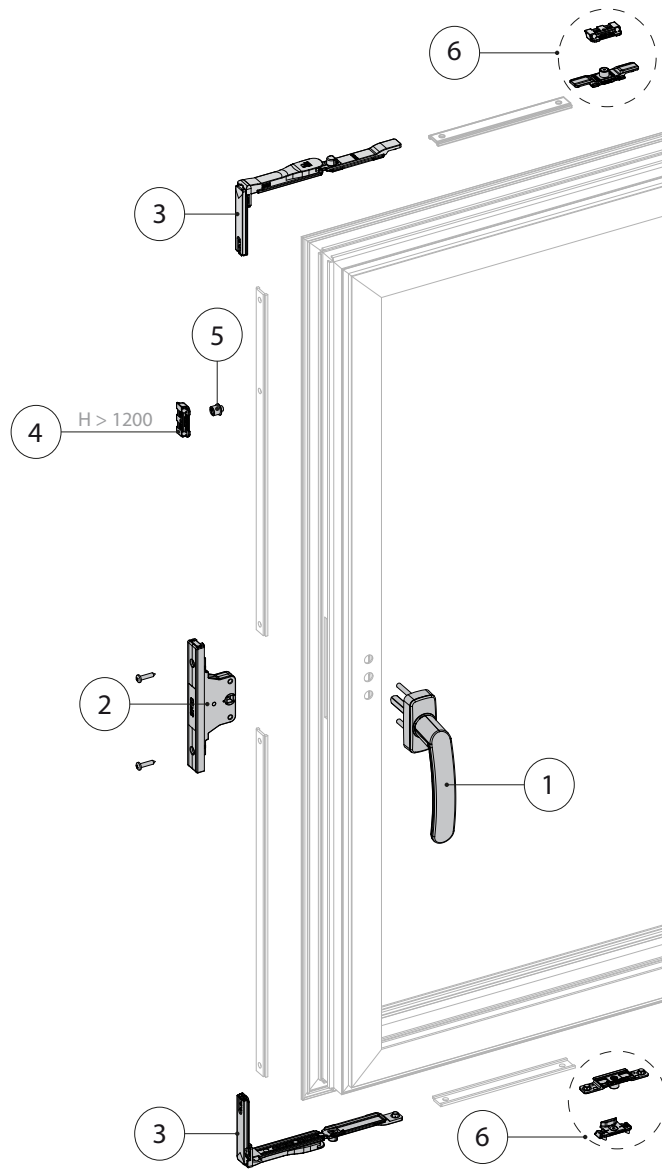
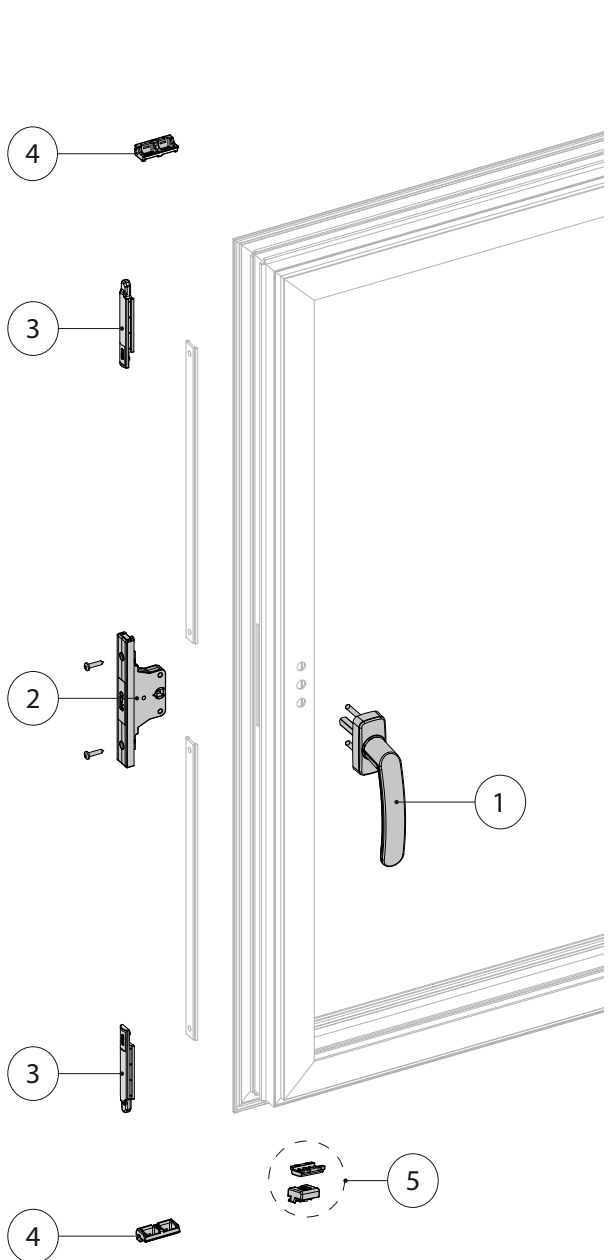
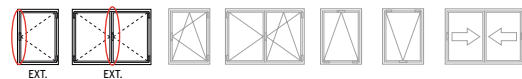
## OUTWARD OPENING CONFIGURATION LOCKING TO FRAME 2



### CIERRE AL MARCO LOCKING TO FRAME 2

|   |   |   |
|---|---|---|
| 1 | <b>CREMONA DE APERTURA EXTERIOR HYDRA</b><br>POLARIS OUTWARD OPENING HANDLE |  15    |
| 2 | <b>074K01 TRANSMISIÓN + BULÓN CORTO</b><br>TRANSMISSION + SHORT BOLT        |  20    |
|   | <b>075K01 TRANSMISIÓN + BULÓN LARGO</b><br>TRANSMISSION + LONG BOLT         |  20    |
| 3 | <b>113420 KIT ÁNG. DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT |  20    |
| 4 | <b>113000 KIT PUNTO DE CIERRE ADICIONAL</b><br>ADDITIONAL LOCKING POINT KIT |  50  |
| 5 | <b>110200 PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT         |  100 |
| 6 | <b>0517193 RESBALÓN</b><br>LATCH  |  100 |

**Configuración realizable con remaches** This configuration can be made with rivets



**DOBLE PUNTERO** DOUBLE POINTER

|   |   |  |
|---|---|--|
| 1 | <b>MANILLA DE APERTURA EXTERIOR POLARIS</b><br>POLARIS OUTWARD OPENING HANDLE |  |
| 2 | <b>0507248 CAJA DE TRANS. BIDIRECCIONAL</b><br>TWO-WAY GEARBOX                |  |
| 3 | <b>07085 PUNTERO PRACTICABLE Ø6</b><br>Ø6 CASEMENT POINTER                    |  |
| 4 | <b>0507105 CERRADERO UNIVERSAL</b><br>UNIVERSAL STRIKER                       |  |
| 5 | <b>0710621 CONJUNTO RESBALÓN</b><br>LATCH KIT                                 |  |

**DOBLE ÁNGULO DE REENVÍO** DOUBLE CORNER DRIVE

|   |   |  |
|---|---|--|
| 1 | <b>MANILLA DE APERTURA EXTERIOR POLARIS</b><br>POLARIS OUTWARD OPENING HANDLE       |  |
| 2 | <b>0507248 CAJA DE TRANS. BIDIRECCIONAL</b><br>TWO-WAY GEARBOX                      |  |
| 3 | <b>113420 KIT ÁNG. DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT         |  |
| 4 | <b>110200 PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT                 |  |
| 5 | <b>0517002 REMACHE PUNTO DE CIERRE</b><br>RIVET LOCKING POINT                       |  |
| 6 | <b>113000IM KIT PTO. DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKING POINT KIT |  |

# 5

## Oscilobatiente Tilt & Turn

Oscilobatiente CH180+  
CH180+ tilt & turn

Oscilobatiente CH180  
CH180 tilt & turn

Oscilobatiente CLX 160 kg  
CLX 160 kg tilt & turn

Oscilobatiente CLASSIC  
CLASSIC tilt & turn

Bisagras regulables de hoja pasiva  
Adjustable passive sash hinges

Compases oscilobatientes  
Tilt & Turn friction stays

Compás suplementario  
Supplementary friction stay

Ángulos de reenvío suplementario  
Supplementary corner drives

Notas técnicas  
Technical notes

Embalaje industrial  
Bulk packaging





# CH180+

## BISAGRA OCULTA

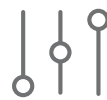
CONCEALED HINGE



**Apertura total**  
Full opening



**Perfiles de Canal Europeo**  
Euro Groove profiles



**Regulación 3D**  
3D adjustment



**Montaje simple y rápido**  
Simple and quick assembly

La bisagra superior se ha integrado en un compás especialmente diseñado para estas nuevas bisagras compatibles con todo el herraje de oscilo Canal Europeo STAC.

Disponibles también bisagras ocultas para la segunda hoja con las mismas regulaciones que las de hoja activa.

Se ha simplificado la cinemática de articulación y configurado de tal forma que permite realizar una apertura de 180° sin apenas movimientos parásitos, de manera que se ha conseguido suavizar el movimiento y aumentado de esta manera el confort de uso.

Todos los puntos de regulación han sido dispuestos en zonas de fácil acceso y pueden realizarse con la hoja en carga.

Como todo el herraje STAC, las bisagras han sido desarrolladas pensando en el instalador. A este efecto, todos los elementos se suministran pre-montados y no es necesario hacer ningún tipo de mecanizado ni operación especial sobre los perfiles.

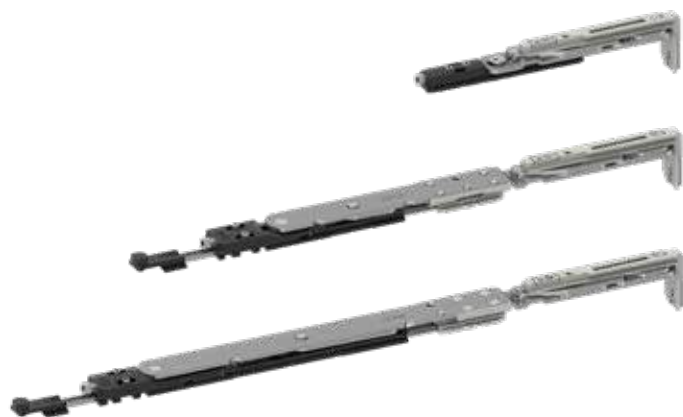
The upper hinge has been integrated into a stay that has been specially designed for these new hinges and which is compatible with the entire range of STAC's hardware for the Euro Groove system.

Also available concealed hinges for the second sash with the same adjustments as the active sash.

The kinematics of the joint have been simplified and it is configured in a manner which allows 180° opening with hardly any wasteful movement. This means that the movement is softer and increases user comfort.

All adjustment points are located in easy-to-reach areas and can be regulated with the leaf in place.

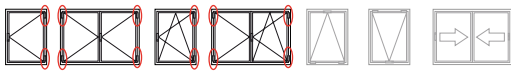
Like all STAC hardware, the hinges have been designed with the fitter in mind. To this end, all parts are supplied pre-assembled and no type of machining or special operations on the profiles is required.



**FALSO COMPÁS**  
TOP HINGE ADAPTER

**COMPÁS MANIOBRA LÓGICA**  
TILT-BEFORE-TURN FRICTION STAY

**COMPÁS OSCIOBATIENTE**  
TILT & TURN FRICTION STAY



Kit of concealed hinges of active and passive sash for casement and tilt & turn opening systems.

**TECHNICAL CHARACTERISTICS**

- Sash opening at 180°.
- Maximum load per sash: 100 kg.

**LOWER HINGE**

- Vertical adjustment: +2 mm, -0.5 mm.
- Lateral adjustment: ±1,5 mm.
- Tightening adjustment: ±0.5 mm.

**UPPER HINGE**

- Active sash: the upper hinge has an integrated friction stay.
- Passive sash: allows the assembly of kits for casement opening.
- Lateral adjustment: ±3 mm.
- Tightening adjustment: ±1 mm.

Kit de bisagras ocultas de hoja activa y hoja pasiva para sistemas de apertura tanto practicables como oscilobatientes.

**CARACTERÍSTICAS TÉCNICAS**

- Apertura de hoja a 180°.
- Carga máxima por hoja: 100 kg.

**BISAGRA INFERIOR**

- Regulación vertical: +2 mm, -0,5 mm.
- Regulación lateral: ±1,5 mm.
- Regulación en apriete: ±0,5 mm.

**BISAGRA SUPERIOR**

- Hoja activa: la bisagra superior trae el compás integrado.
- Hoja pasiva: permite el montaje de kits para apertura practicable.
- Regulación lateral: ±3 mm.
- Regulación en apriete: ±1 mm.

**KIT DE BISAGRAS CH180+ COMPÁS GRANDE**  
CH180+ HINGE KIT LARGE FRICTION STAY



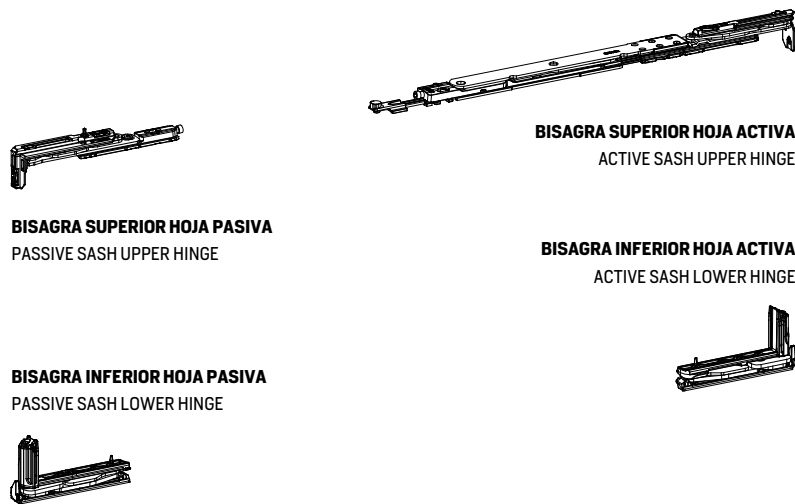
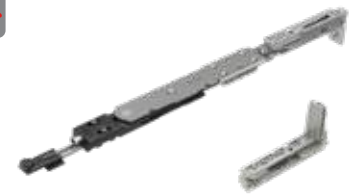
|       |    |
|-------|----|
| H1213 | R1 |
|       | L1 |
| H1213 | R2 |
|       | L2 |



**KIT DE BISAGRAS CH180+ COMPÁS PEQUEÑO**  
CH180+ HINGE KIT SMALL FRICTION STAY



|       |    |
|-------|----|
| H1213 | R3 |
|       | L3 |
| H1213 | R4 |
|       | L4 |



**BISAGRA SUPERIOR HOJA PASIVA**  
PASSIVE SASH UPPER HINGE

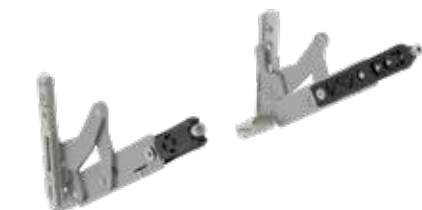
**BISAGRA SUPERIOR HOJA ACTIVA**  
ACTIVE SASH UPPER HINGE

**BISAGRA INFERIOR HOJA ACTIVA**  
ACTIVE SASH LOWER HINGE

**BISAGRA INFERIOR HOJA PASIVA**  
PASSIVE SASH LOWER HINGE

**KIT DE BISAGRAS CH180+ ABATIBLE**  
CH180+ HINGE KIT BOTTOM-HUNG

H1215



**KIT DE BISAGRAS CH180+ PRACTICABLE**  
CH180+ HINGE KIT CASEMENT

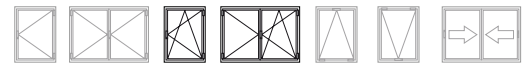


H1214



# KIT BASE OSCIOBATIENTE CH180+

## CH180+ TILT & TURN BASE KIT



### MANIOBRA LÓGICA COMPÁS GRANDE

#### TILT-BEFORE-TURN LARGE FRICTION STAY

|       |    |
|-------|----|
| H1223 | R2 |
|       | L2 |



Kits base con bisagras CH180+ para aperturas oscilobatientes.

#### CARACTERÍSTICAS TÉCNICAS

- Apertura de hoja a 180°.
- Carga máxima por hoja: 100 kg.

#### BISAGRA SUPERIOR

- Hoja activa: la bisagra superior trae el compás integrado.
- Hoja pasiva: permite el montaje de kits para apertura practicable.
- Regulación lateral:  $\pm 3$  mm.
- Regulación en apriete:  $\pm 1$  mm.

#### BISAGRA INFERIOR

- Regulación vertical: +2, -0,5 mm.
- Regulación lateral:  $\pm 1,5$  mm.
- Regulación en apriete:  $\pm 0,5$  mm.

#### BASE EVO-SOFT

- Esfuerzo de cierre hasta un 50% menor que en el herraje tradicional.
- Cerradero de basculamiento con resbalón integrado.
- Posibilidad de añadir múltiples puntos de cierre.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

Base kits with CH180+ hinges for tilt & turn openings.

#### TECHNICAL CHARACTERISTICS

- Sash opening at 180°.
- Maximum load per sash: 100 kg.

#### UPPER HINGE

- Active sash: the upper hinge has an integrated friction stay.
- Passive sash: allows the assembly of kits for casement opening.
- Lateral adjustment:  $\pm 3$  mm
- Tightening adjustment:  $\pm 1$  mm.

#### LOWER HINGE

- Vertical adjustment: +2 mm, -0.5 mm.
- Lateral adjustment:  $\pm 1,5$  mm.
- Tightening adjustment:  $\pm 0.5$  mm.

#### EVO-SOFT BASE

- Effort of closing up to 50 % minor that in the traditional hardware.
- Tilt keeper with an integrated latch.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

### CIERRE AL INVERSOR COMPÁS GRANDE

#### LOCKING TO INVERTER LARGE FRICTION STAY

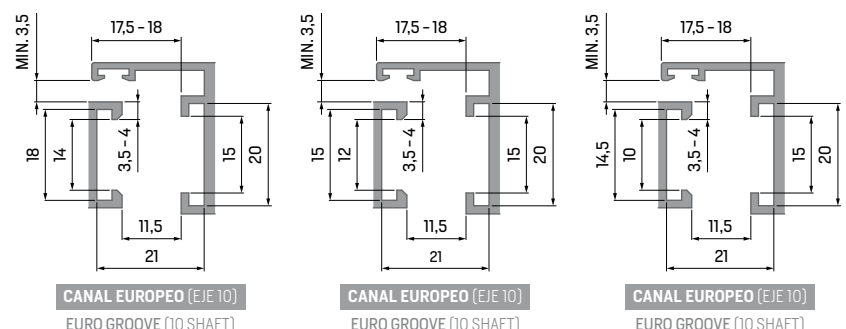
|       |    |
|-------|----|
| H1233 | R1 |
|       | L1 |

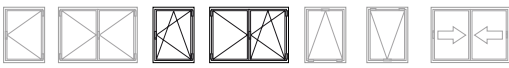


### CIERRE AL MARCO COMPÁS GRANDE

#### LOCKING TO FRAME LARGE FRICTION STAY

|       |    |
|-------|----|
| H1239 | R1 |
|       | L1 |





Base kits with CH180+ hinges for tilt & turn openings.

### TECHNICAL CHARACTERISTICS

- Sash opening at 180°.
- Maximum load per sash: 100 kg.

### UPPER HINGE

- Active sash: the upper hinge has an integrated friction stay.
- Passive sash: allows the assembly of kits for casement opening.
- Lateral adjustment: ±3 mm
- Tightening adjustment: ±1 mm.

### LOWER HINGE

- Vertical adjustment: +2 mm, -0.5 mm.
- Lateral adjustment: ±1,5 mm.
- Tightening adjustment: ±0.5 mm.

### EVO-SOFT BASE

- Effort of closing up to 50 % minor that in the traditional hardware.
- Tilt keeper with an integrated latch.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

Kits base con bisagras CH180+ para aperturas oscilobatientes.

### CARACTERÍSTICAS TÉCNICAS

- Apertura de hoja a 180°.
- Carga máxima por hoja: 100 kg.

### BISAGRA SUPERIOR

- Hoja activa: la bisagra superior trae el compás integrado.
- Hoja pasiva: permite el montaje de kits para apertura practicable.
- Regulación lateral: ±3 mm.
- Regulación en apriete: ±1 mm.

### BISAGRA INFERIOR

- Regulación vertical: +2, -0,5 mm.
- Regulación lateral: ±1,5 mm.
- Regulación en apriete: ±0,5 mm.

### BASE EVO-SOFT

- Esfuerzo de cierre hasta un 50% menor que en el herraje tradicional.
- Cerradero de basculamiento con resbalón integrado.
- Posibilidad de añadir múltiples puntos de cierre.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

MANIOBRA LÓGICA COMPÁS PEQUEÑO  
TILT-BEFORE-TURN SMALL FRICTION STAY



|       |    |
|-------|----|
| H1223 | R4 |
|       | L4 |



CIERRE AL INVERSOR COMPÁS PEQUEÑO  
LOCKING TO INVERTER SMALL FRICTION STAY



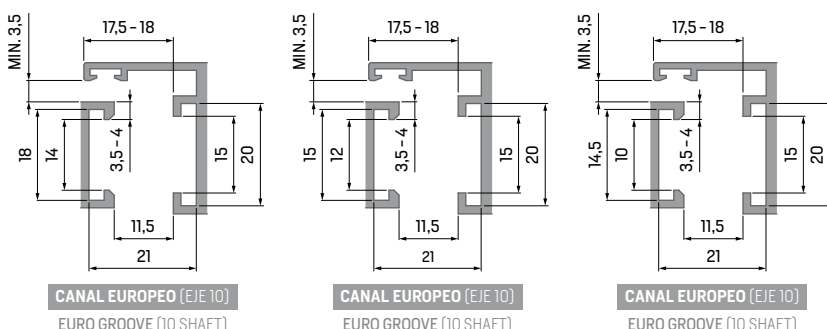
|       |    |
|-------|----|
| H1233 | R3 |
|       | L3 |

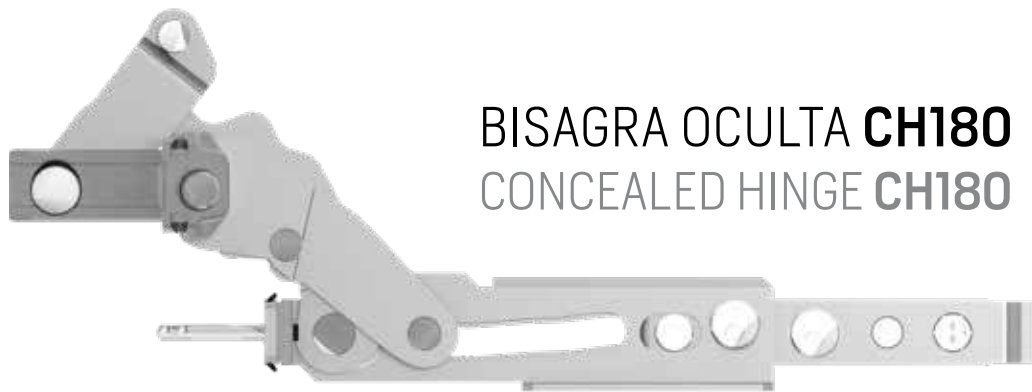


CIERRE AL MARCO COMPÁS PEQUEÑO  
LOCKING TO FRAME SMALL FRICTION STAY



|       |    |
|-------|----|
| H1239 | R3 |
|       | L3 |

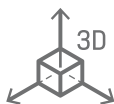




## BISAGRA OCULTA CH180 CONCEALED HINGE CH180



Canal Europeo  
Eurogroove



Regulación 3D  
3D adjustment



Apertura total  
Fully opening



Instalación rápida y simple  
Rapid and simple  
installation

### Oscilobatiente y practicable

Solución completa e integrada dentro de las soluciones de apertura de STAC tanto para oscilo como para aperturas practicables, estándar, SOFT y SECURITY.

La bisagra superior se ha adaptado a un compás especialmente diseñado para estas nuevas bisagras.

Disponibles también bisagras ocultas para la segunda hoja con las mismas ventajas que las de hoja activa.

### Apertura Total de 180°

STAC ha conseguido reducir a 3 el número de elementos activos en la articulación y se han configurado de forma que permite hacer una apertura de 180°, convirtiendo a la bisagra CH180 en una de las únicas bisagras con esta apertura para sistemas de Canal Europeo.

### Simplicidad en el montaje

Todos los elementos se suministran pre-montados y no es necesario hacer ningún tipo de mecanizado ni operación especial sobre los perfiles.

### Tilt & Turn and casement windows

Complete, integrated solution as part of the STAC openings solutions for both tilt & turn and casement windows, standard, SOFT and SECURITY.

The upper hinge has been adapted to a stay specifically designed for these new hinges.

Concealed hinges for a second sash with the same advantages as those for the active sash are also available.

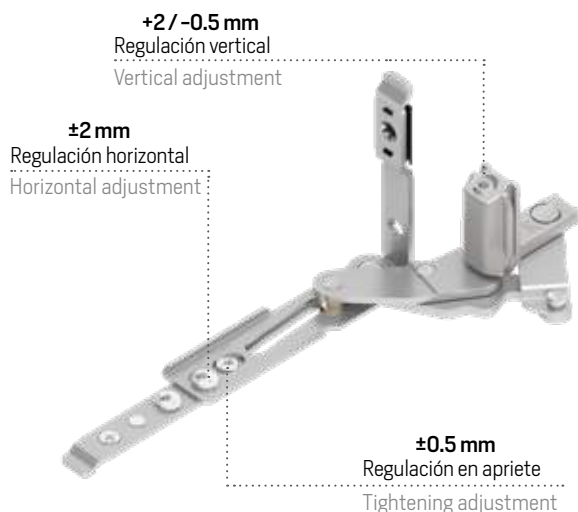
### Full 180° opening

STAC has managed to reduce the number of active elements in the articulations to 3 and they are configured in a way that allows the window to open 180°, making the CH180 hinge one of the only hinges with this opening on the market for Euro Groove systems.

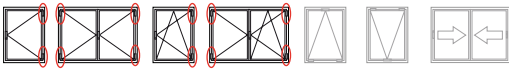
### Simple installation

Like all STAC hardware, the hinges have been developed with the installer in mind. All components are supplied pre-assembled and no machining or special work on the profiles is required.

### Regulación 3D | 3D adjustment







Kit of concealed hinges of active and passive sash for casement and tilt & turn opening systems.

### TECHNICAL CHARACTERISTICS

- Sash opening at 180°.
- Maximum load per sash: 120 kg.
- Simple assembly and accessible adjustments.

### LOWER HINGE

- Vertical adjustment: +2, -0.5 mm
- Lateral adjustment: ±2 mm
- Tightening adjustment: ±0.5 mm

### UPPER HINGE

- Active sash: the upper hinge has an integrated friction stay.
- Passive sash: allows the assembly of kits for casement opening.
- Lateral adjustment: ±3 mm
- Tightening adjustment: ±1 mm.

Kit de bisagras ocultas de hoja activa y hoja pasiva para sistemas de apertura tanto practicables como oscilobatientes.

### CARACTERÍSTICAS TÉCNICAS

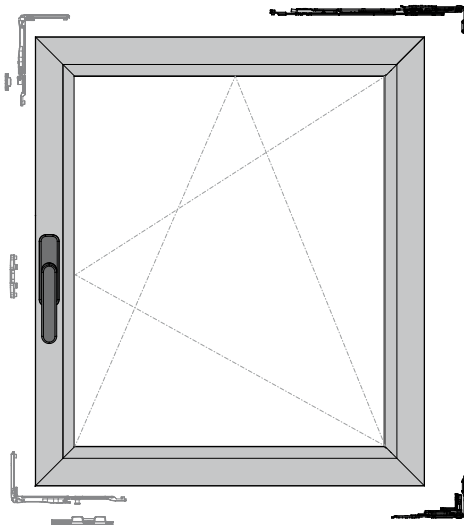
- Apertura de hoja a 180°.
- Carga máxima por hoja: 120 kg.
- Montaje sencillo y regulaciones accesibles.

### BISAGRA INFERIOR

- Regulación vertical: +2, -0,5 mm
- Regulación lateral: ±2 mm
- Regulación en apriete: ±0,5 mm

### BISAGRA SUPERIOR

- Hoja activa: la bisagra superior trae el compás integrado.
- Hoja pasiva: permite el montaje de kits para apertura practicable.
- Regulación lateral: ±3 mm
- Regulación en apriete: ±1 mm.



### KIT DE BISAGRAS CH180 HOJA ACTIVA CH180 HINGE KIT ACTIVE SASH

Inx ZM

Ac



|       |   |    |
|-------|---|----|
| H1113 | D | 01 |
|       | I |    |



|       |   |    |
|-------|---|----|
| H1113 | D | 02 |
|       | I |    |



### KIT DE BISAGRAS CH180 HOJA PASIVA CH180 HINGE KIT PASSIVE SASH

Inx ZM

Ac



|       |   |
|-------|---|
| H1114 | D |
|       | I |



### KIT DE BISAGRAS CH180 ABATIBLE CH180 HINGE KIT BOTTOM-HUNG

Inx ZM

Ac



|       |
|-------|
| H1115 |
|-------|



# CLX 160KG

OSCILOBATIENTE TILT & TURN



Perfiles de Canal Europeo

Euro Groove profiles



Montaje simple y rápido

Simple and quick assembly



Regulación 3D

3D adjustment

100%

Compatibilidad

Compatibility

Las bisagras CLX permiten una capacidad de carga de hasta 160 kg. Para ello es imprescindible la instalación del tornillo de estabilización en pala.

Para el rango de pesos entre 120 y 160 kg se recomienda el uso de perfil de puerta y la instalación obligatoria del compás CLX ref. T110301 para maniobra tradicional o ref. T110304 para maniobra lógica.

## REGULACIONES ACCESIBLES

En ventanas de altas cargas se hace necesario que las regulaciones sean simples, efectivas y directas, pero sobre todo que sean fiables.

Todos los puntos de regulación han sido dispuestos en zonas de fácil acceso y pueden realizarse con la hoja en carga.

## SEGURIDAD

- **Pin de seguridad** en la contraplaca de la pala hoja inferior que evita la caída de la hoja en caso de rotura de la contraplaca por golpes fuertes o desplazamientos que afecten al funcionamiento de la bisagra.
- **Pieza retenedora** en pala marco superior que evita el desgarro del canal de marco.

The CLX hinges allow a load capacity of up to 160 kg. It is mandatory to install the stabilization screw in the sash.

For the weight range between 120 and 160 kg it is recommended to use a door profile and the mandatory installation of the CLX friction stay ref. T110301 for traditional operation or ref. T110304 for tilt-before-turn.

## ACCESIBLE ADJUSTMENTS

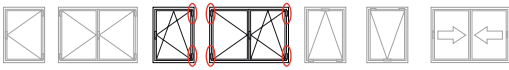
With highly loaded windows it is essential that the adjustments are simple, effective and direct but above all that they are reliable.

All adjustment points are located in easy-to-reach areas and can be regulated with the leaf in place.

## SECURITY

- **Security pin** in the lower sash hinge leaf counterplate that prevents the sash falling where the counterplate has broken due to strong blows or displacements that affect how the hinges work.
- **Retention piece** in the upper frame hinge leaf that avoids tearing from the frame groove.





Kit of CLX hinges for tilt & turn opening systems, specially designed for high loads.

**TECHNICAL CHARACTERISTICS**

- Maximum load per sash: 160 kg.
- The kits are ambidextrous: they include both the right and left leaf.
- References are supplied pre-assembled to the right.
- For the weight range between 120 and 160 kg it is necessary to install the CLX friction stay ref. T110301.
- Security pin in the lower sash hinge leaf counterplate that prevents the sash falling.
- Retention piece in the upper frame hinge leaf that avoids frame tearing from the frame groove.

Kit de bisagras CLX para sistemas de apertura oscilobatientes, especialmente diseñado para altas cargas.

**CARACTERÍSTICAS TÉCNICAS**

- Carga máxima por hoja: 160 kg.
- Los kits son ambidiestros: incluyen tanto la pala derecha como la izquierda.
- Las referencias se suministran pre-montadas a derechas.
- Para el rango de pesos entre 120 y 160 kg es necesario la instalación del compás CLX ref. T110301.
- Pin de seguridad en la contraplaca de la pala hoja inferior que evita la caída de la hoja.
- Pieza retenedora en pala marco superior que evita el desgarro del canal de marco.

**KIT DE BISAGRAS CLX HOJA ACTIVA**  
CLX HINGE KIT ACTIVE SASH



T1113 \*\*



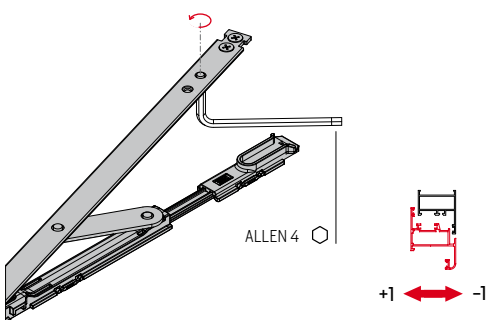
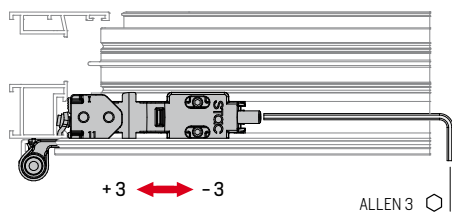
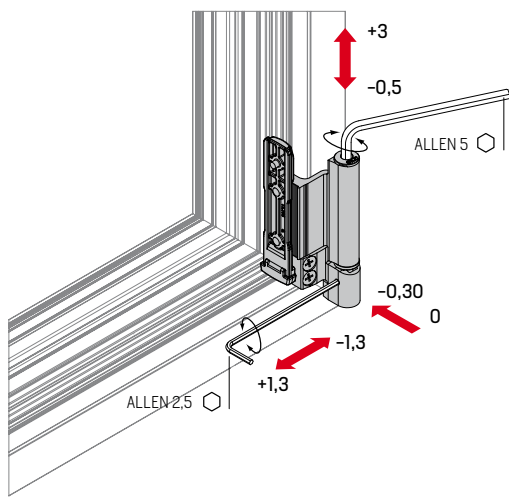
**KIT DE BISAGRAS CLX HOJA PASIVA**  
CLX HINGE KIT PASSIVE SASH



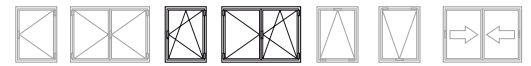
T1114 \*\*



**REGULACIONES ADJUSTMENTS**



## KIT BASE OSCIOBATIENTE CLX CLX TILT & TURN BASE KIT



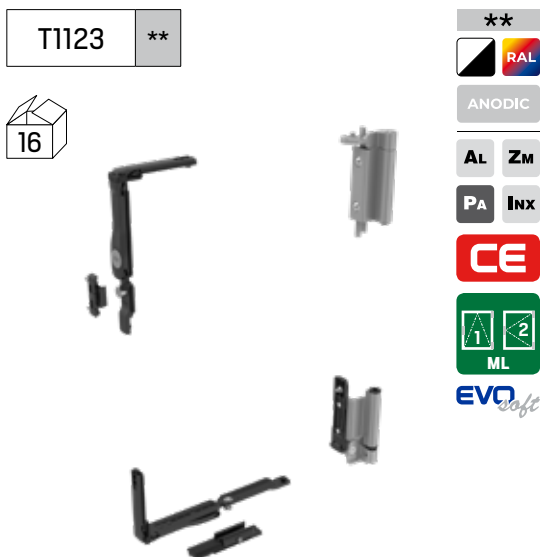
### CIERRE AL INVERSOR CLX SIN CREMONA CLX LOCKING TO INVERTER WITHOUT CREMONE



### CIERRE AL INVERSOR CLX CON CREMONA SIRIUS CLX LOCKING TO INVERTER WITH SIRIUS CREMONE



### MANIOBRA LÓGICA CLX SIN CREMONA CLX TILT-BEFORE-TURN WITHOUT CREMONE



Kits base con bisagras CLX para aperturas oscilobatientes.

#### CARACTERÍSTICAS TÉCNICAS

- Carga máxima por hoja: 160 kg.
- Los kits son ambidiestros: incluyen tanto la pala derecha como la izquierda.
- Las referencias se suministran pre-montadas a derechas.
- Para el rango de pesos entre 120 y 160 kg es necesario la instalación del compás CLX ref. T110301.

#### BISAGRA SUPERIOR

- Regulación lateral:  $\pm 3$  mm.
- Regulación en apriete:  $\pm 1$  mm.

#### BISAGRA INFERIOR

- Regulación vertical: +3, -0,5 mm.
- Regulación lateral:  $\pm 1,3$  mm.
- Regulación en apriete: -0,3 mm.

#### BASE EVO-SOFT

- Esfuerzo de cierre hasta un 50% menor que en el herraje tradicional.
- Cerradero de basculamiento con resbalón integrado.
- Posibilidad de añadir múltiples puntos de cierre.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

Compases no incluidos. Consulte compases compatibles en la página 134.

Base kits with CLX hinges for tilt & turn openings.

#### TECHNICAL CHARACTERISTICS

- Maximum load per sash: 160 kg.
- The kits are ambidextrous: they include both the right and left leaf.
- References are supplied pre-assembled to the right.
- For the weight range between 120 and 160 kg it is necessary to install the CLX friction stay ref. T110301.

#### UPPER HINGE

- Lateral adjustment:  $\pm 3$  mm
- Tightening adjustment:  $\pm 1$  mm.

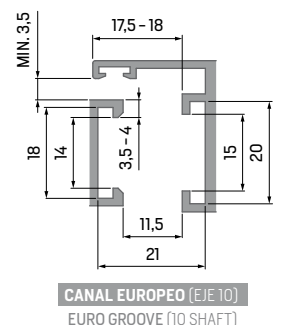
#### LOWER HINGE

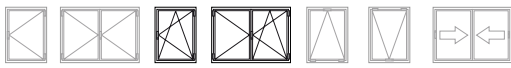
- Vertical adjustment: +3 mm, -0.5 mm.
- Lateral adjustment:  $\pm 1,3$  mm.
- Tightening adjustment: -0,3 mm.

#### EVO-SOFT BASE

- Effort of closing up to 50 % minor that in the traditional hardware.
- Tilt keeper with an integrated latch.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

Friction stays not included. See compatible friction stays on page 134.





Base kits with CLX hinges for tilt & turn openings.

### TECHNICAL CHARACTERISTICS

- Maximum load per sash: 160 kg.
- The kits are ambidextrous: they include both the right and left leaf.
- References are supplied pre-assembled to the right.
- For the weight range between 120 and 160 kg it is necessary to install the CLX friction stay **ref. T110301**.

### UPPER HINGE

- Lateral adjustment:  $\pm 3$  mm
- Tightening adjustment:  $\pm 1$  mm.

### LOWER HINGE

- Vertical adjustment:  $+3$  mm,  $-0.5$  mm.
- Lateral adjustment:  $\pm 1,3$  mm.
- Tightening adjustment:  $-0,3$  mm.

### EVO-SOFT BASE

- Effort of closing up to 50 % minor that in the traditional hardware
- Tilt keeper with an integrated latch.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

Friction stays not included. See compatible friction stays on page 134.

Kits base con bisagras CLX para aperturas oscilobatientes.

### CARACTERÍSTICAS TÉCNICAS

- Carga máxima por hoja: 160 kg.
- Los kits son ambidiestros: incluyen tanto la pala derecha como la izquierda.
- Las referencias se suministran pre-montadas a derechas.
- Para el rango de pesos entre 120 y 160 kg es necesario la instalación del compás CLX **ref. T110301**.

### BISAGRA SUPERIOR

- Regulación lateral:  $\pm 3$  mm.
- Regulación en apriete:  $\pm 1$  mm.

### BISAGRA INFERIOR

- Regulación vertical:  $+3$ ,  $-0,5$  mm.
- Regulación lateral:  $\pm 1,3$  mm.
- Regulación en apriete:  $-0,3$  mm.

### BASE EVO-SOFT

- Esfuerzo de cierre hasta un 50% menor que en el herraje tradicional.
- Cerradero de basculamiento con resbalón integrado.
- Posibilidad de añadir múltiples puntos de cierre.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

Compases no incluidos. Consulte compases compatibles en la página 134.

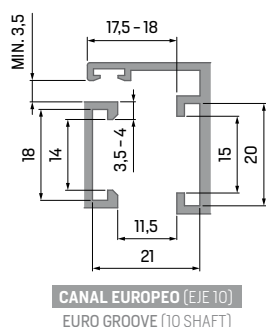
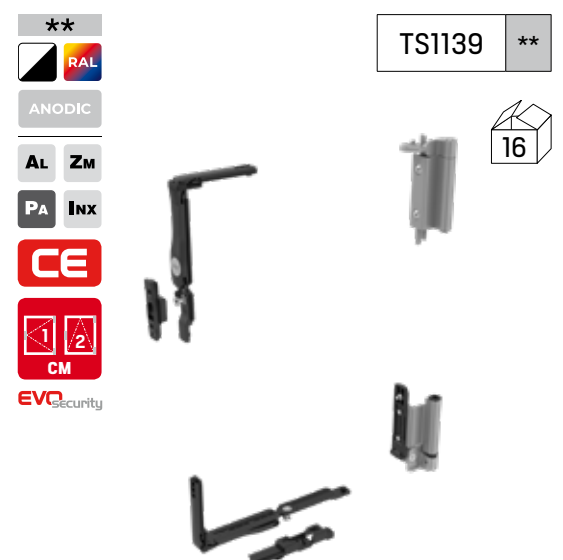
CIERRE AL MARCO CLX SIN CREMONA  
CLX LOCKING TO FRAME WITHOUT CREMONE



CIERRE AL MARCO CLX CON CREMONA SIRIUS  
CLX LOCKING TO FRAME WITH SIRIUS CREMONE

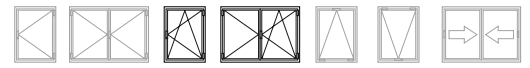


CIERRE AL MARCO CLX CON EVO-SECURITY  
CLX LOCKING TO FRAME WITH EVO-SECURITY



# KIT BASE OSCILOBATIENTE CLASSIC

## CLASSIC TILT & TURN BASE KIT



### CIERRE AL INVERSOR CLASSIC SIN CREMONA

#### CLASSIC LOCKING TO INVERTER WITHOUT CREMONE



### CIERRE AL INVERSOR CLASSIC CON CREMONA LYRA

#### CLASSIC LOCKING TO INVERTER WITH LYRA CREMONE



### CIERRE AL INVERSOR CLASSIC CON CREMONA SIRIUS

#### CLASSIC LOCKING TO INVERTER WITH SIRIUS CREMONE



Kits base con bisagras CLASSIC para aperturas oscilobatientes de cierre al inversor.

#### CARACTERÍSTICAS TÉCNICAS

- Carga máxima por hoja: 120 kg.
- Los kits viene provistos de bisagras con regulación horizontal y vertical, así como puntos de cierre regulables.
- Posibilidad de acoplar múltiples puntos de cierre.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

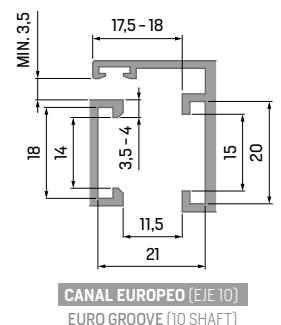
**Compases no incluidos. Consulte compases compatibles en la página 134.**

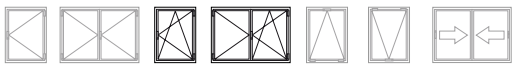
Base kits with CLASSIC hinges for tilt & turn locking to inverter openings.

#### TECHNICAL CHARACTERISTICS

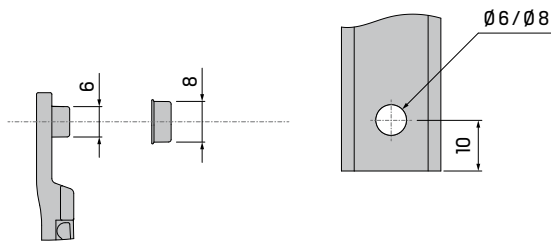
- Maximum load per sash: 120 kg.
- The kits are equipped with hinges with horizontal and vertical adjustment, as well as adjustable locking points.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

**Friction stays not included. See compatible friction stays on page 134.**





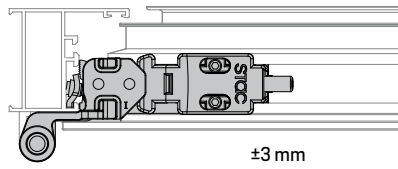
**TROQUELADO DE FALLEBA**  
OPERATING ROD MACHINING



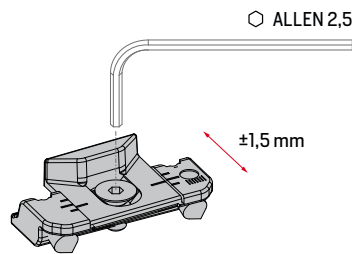
**REGULACIONES**  
ADJUSTMENTS

**Hoja activa: regulación horizontal en compás**  
**Hoja pasiva: regulación en bisagra superior**

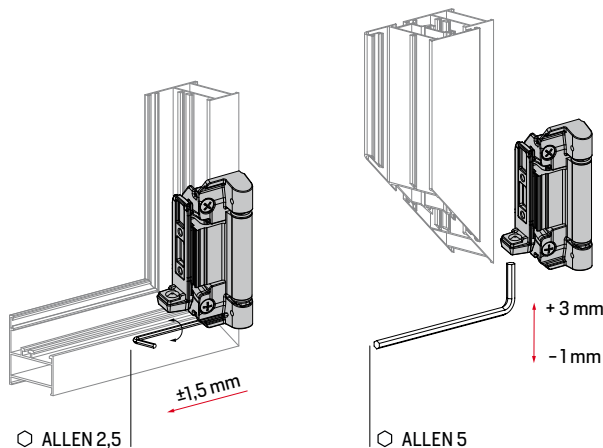
Active sash: friction stay horizontal adjustment  
Passive sash: upper hinge adjustment



**Regulación de los cerraderos regulables**  
Adjustable locking point adjustment

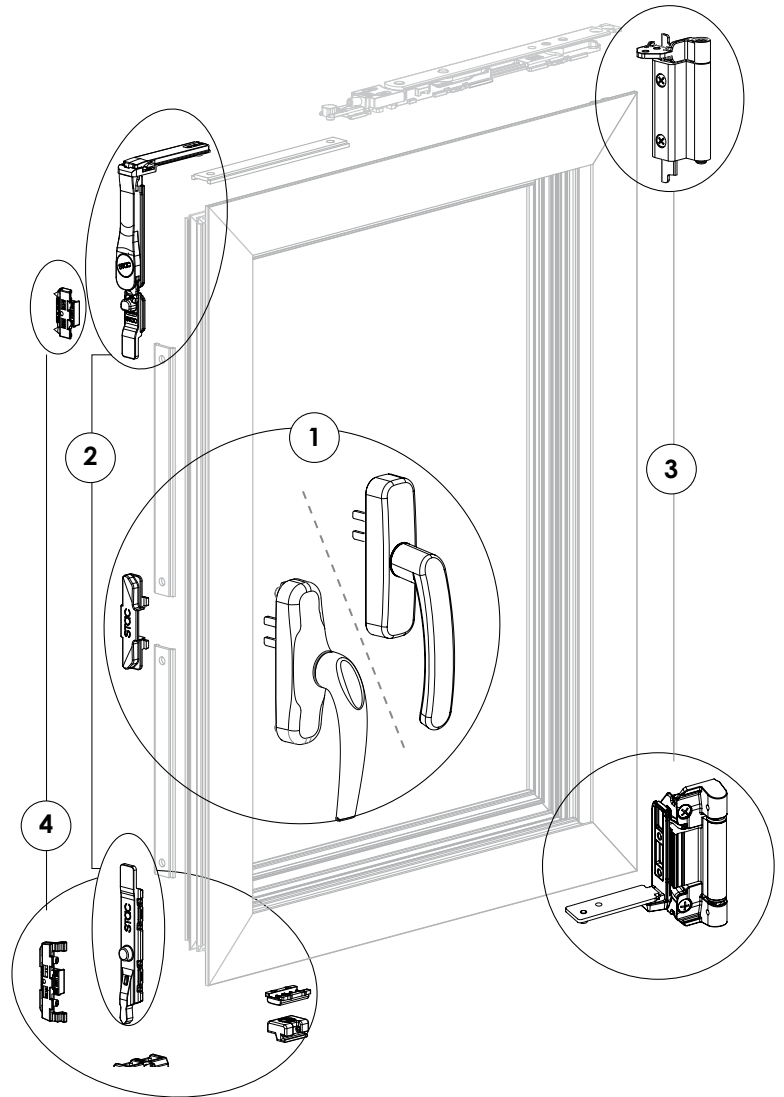


**Regulación horizontal y vertical de la bisagra inferior**  
Horizontal and vertical adjustment of the lower hinge



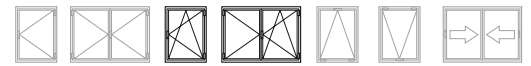
**HORIZONTAL**

**VERTICAL**



**KIT BASE OSCILOBATIENTE CLASSIC CIERRE AL INVERSOR**  
CLASSIC TILT & TURN BASE KIT LOCKING TO INVERTER

|        |    |  |    |
|--------|----|--|----|
| 1104   | ** | <b>CREMONA LYRA</b><br>LYRA CREMONE  | 25 |
| A1154  | ** | <b>CREMONA SIRIUS</b><br>SIRIUS CREMONE  | 20 |
| 111700 |    | <b>KIT ÁNGULO DE REENVÍO</b><br>CORNER DRIVE KIT                               | 80 |
| B1113  | ** | <b>KIT DE BISAGRAS HOJA ACTIVA</b><br>ACTIVE SASH HINGE KIT                    | 25 |
| 111500 |    | <b>KIT DE CERRADEROS OSCILO 1 HOJA</b><br>1 SASH TILT & TURN LOCKING POINT KIT | 50 |



CIERRE AL MARCO CLASSIC SIN CREMONA  
CLASSIC LOCKING TO FRAME WITHOUT CREMONE

B1139 \*\*

16



Kits base con bisagras CLASSIC para aperturas oscilobatientes de cierre al marco.

**CARACTERÍSTICAS TÉCNICAS**

- Carga máxima por hoja: 120 kg.
- Los kits viene provistos de bisagras con regulación horizontal y vertical, así como puntos de cierre regulables.
- Dispositivo de seguridad antipalanca.
- Posibilidad de acoplar múltiples puntos de cierre.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

Compases no incluidos. Consulte compases compatibles en la página 134.

Base kits with CLASSIC hinges for tilt & turn locking to frame openings.

**TECHNICAL CHARACTERISTICS**

- Maximum load per sash: 120 kg.
- The kits are equipped with hinges with horizontal and vertical adjustment, as well as adjustable locking points.
- Anti-lever safety device.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

Friction stays not included. See compatible friction stays on page 134.

CIERRE AL MARCO CLASSIC CON CREMONA LYRA  
CLASSIC LOCKING TO FRAME WITH LYRA CREMONE

B1132 \*\*

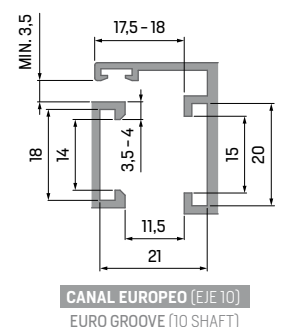
16



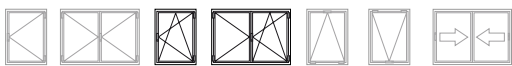
CIERRE AL MARCO CLASSIC CON CREMONA SIRIUS  
CLASSIC LOCKING TO FRAME WITH SIRIUS CREMONE

B1132 \*\* S

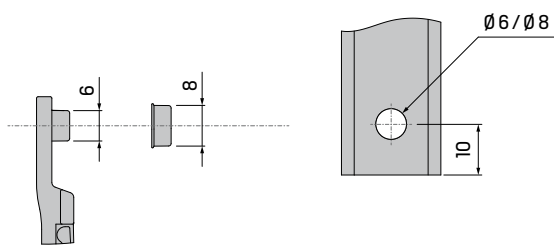
16







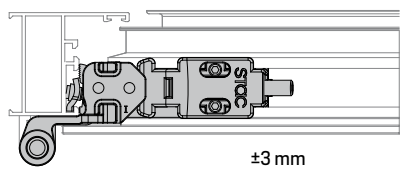
**TROQUELADO DE FALLEBA**  
OPERATING ROD MACHINING



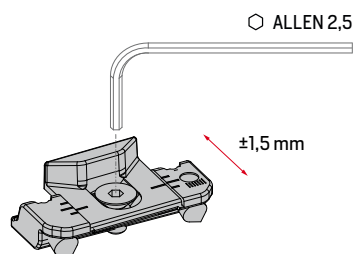
**REGULACIONES**  
ADJUSTMENTS

**Hoja activa: regulación horizontal en compás**  
**Hoja pasiva: regulación en bisagra superior**

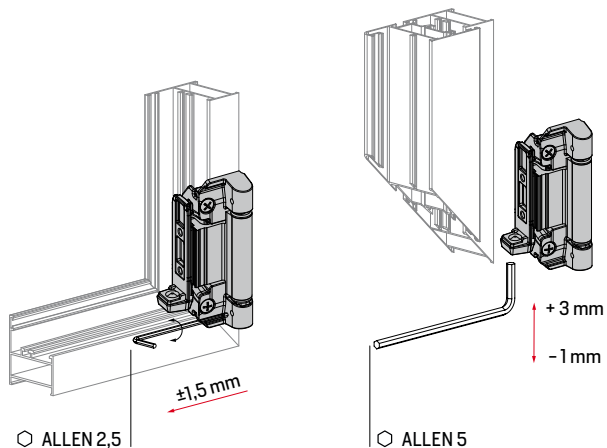
Active sash: friction stay horizontal adjustment  
Passive sash: upper hinge adjustment



**Regulación de los cerraderos regulables**  
Adjustable locking point adjustment

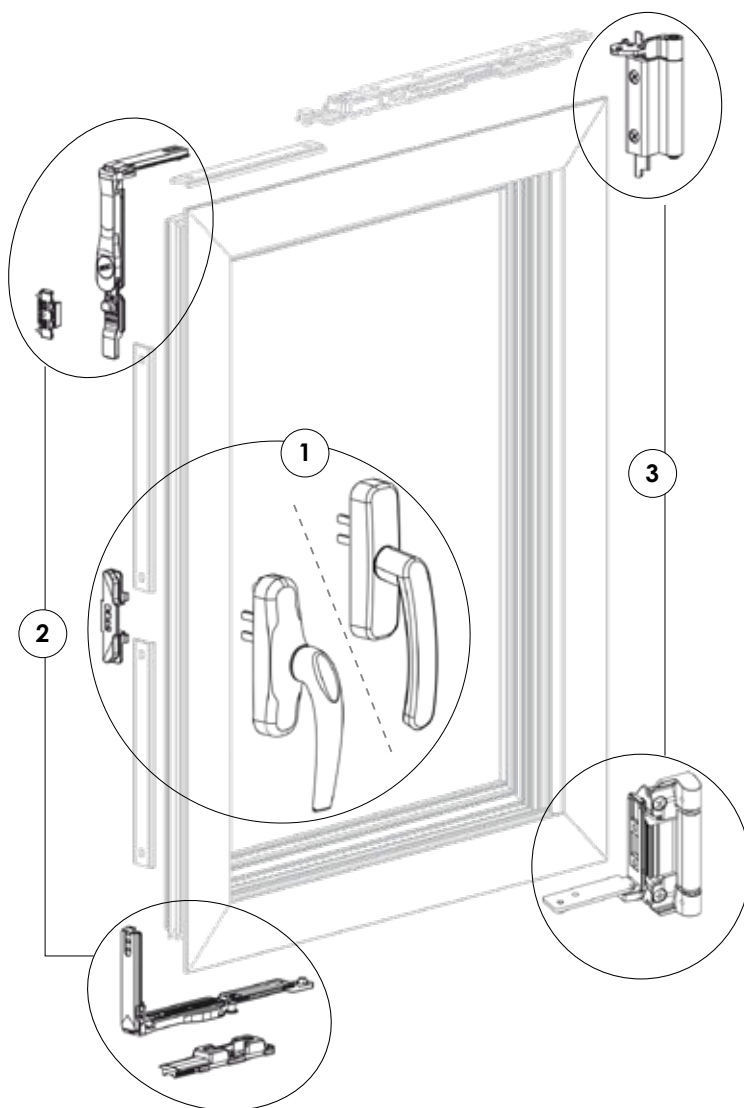


**Regulación horizontal y vertical de la bisagra inferior**  
Horizontal and vertical adjustment of the lower hinge



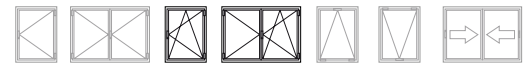
**HORIZONTAL**

**VERTICAL**

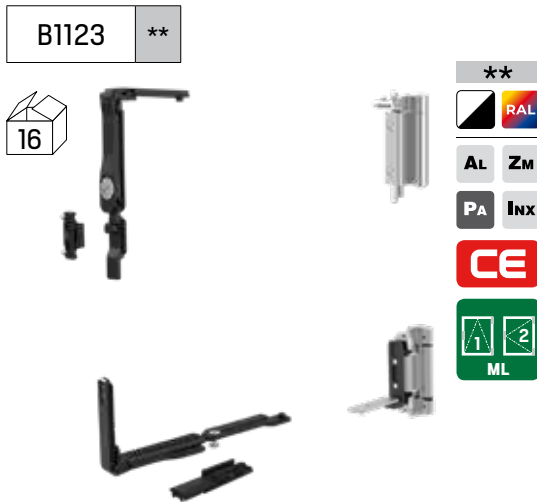


**KIT BASE OSCIOBATIENTE CLASSIC CIERRE AL MARCO**  
CLASSIC TILT & TURN BASE KIT LOCKING TO FRAME

|         |    |   |  |
|---------|----|---|--|
| 1104    | ** | <b>CREMONA LYRA</b><br>LYRA CREMONE   |  |
| A1154   | ** | <b>CREMONA SIRIUS</b><br>SIRIUS CREMONE   |  |
| 113101S |    | <b>KIT ÁNGULO DE REENVÍO CIERRE AL MARCO</b><br>LOCKING TO FRAME CORNER DRIVE KIT |  |
| B1113   | ** | <b>KIT DE BISAGRAS HOJA ACTIVA</b><br>ACTIVE SASH HINGE KIT                       |  |



MANIOBRA LÓGICA CLASSIC SIN CREMONA  
CLASSIC TILT-BEFORE-TURN WITHOUT CREMONE



Kit base con bisagras CLASSIC para aperturas oscilobatientes con manobra lógica.

**CARACTERÍSTICAS TÉCNICAS**

- Carga máxima por hoja: 120 kg.
- Los kits viene provistos de bisagras con regulación horizontal y vertical, así como puntos de cierre regulables.
- Posibilidad de acoplar múltiples puntos de cierre.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

**MANIOBRA LÓGICA**

- La manilla de una ventana con manobra lógica dispone de 3 posiciones: posición cerrada (manilla 0°), posición de oscilo (manilla 90°), posición de practicable (manilla 180°).
- Kit idóneo para su uso con las cremonas Lyra Block o Sirius Block, ya que proporcionan dos posiciones de bloqueo que permiten oscilar pero no abrir.

**Compases no incluidos. Consulte compases compatibles en la página 134.**

Base kit with CLASSIC hinges for tilt & turn openings with tilt-before-turn operation.

**TECHNICAL CHARACTERISTICS**

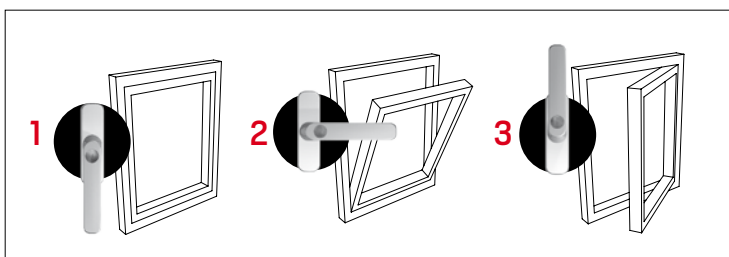
- Maximum load per sash: 120 kg.
- The kits are equipped with hinges with horizontal and vertical adjustment, as well as adjustable locking points.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

**TILT-BEFORE-TURN**

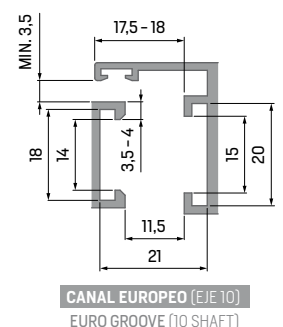
- The handle of a tilt-before-turn window can be placed in three positions: closed position (handle 0°), tilt position (handle 90°), casement position (handle 180°).
- Kit suitable for use with Lyra Block or Sirius Block cremones, providing two locking positions that allow oscillation but not opening.

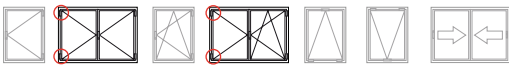
**Friction stays not included. See compatible friction stays on page 134.**

**MANIOBRA LÓGICA + CREMONA CON LLAVE\***  
TILT-BEFORE-TURN + CREMONE WITH KEY\*



\* **CREMONAS COMPATIBLES** COMPATIBLE CREMONES: SIRIUS BLOCK | LYRA BLOCK





Adjustable hinges of passive sash for tilt & turn window openings.

### TECHNICAL CHARACTERISTICS

- Maximum load per sash: 120 kg.
- Tilt & turn hinges of passive sash with the same adjustments as in active sash.
- Easily interchangeable reversible from right to left.

### TOP HINGE ADAPTER

- Compatibility with SMART 90 kg, CLASSIC 120 kg and CLX 160 kg tilt & turn hinges.
- Horizontal adjustment:  $\pm 3$  mm.
- Tightening adjustment:  $\pm 1.5$  mm.
- It is recommended to mount it with the CLX hinges due to the wide range of adjustment it offers with respect to the load that the hinges support.

Bisagras regulables de hoja pasiva para ventanas de apertura oscilobatiente.

### CARACTERÍSTICAS TÉCNICAS

- Carga máxima por hoja: 120 kg.
- Bisagras oscilobatientes de hoja pasiva con las mismas regulaciones que en hoja activa.
- Reversibles fácilmente intercambiables de derechas a izquierdas.

### FALSO COMPÁS

- Compatibilidad con las bisagras de oscilo SMART 90 kg, CLASSIC 120 kg y CLX 160 kg.
- Regulación horizontal:  $\pm 3$  mm.
- Regulación en apriete:  $\pm 1.5$  mm.
- Recomendable su montaje con las bisagras CLX por el amplio rango de regulación que ofrece con respecto a la carga que soportan las bisagras.



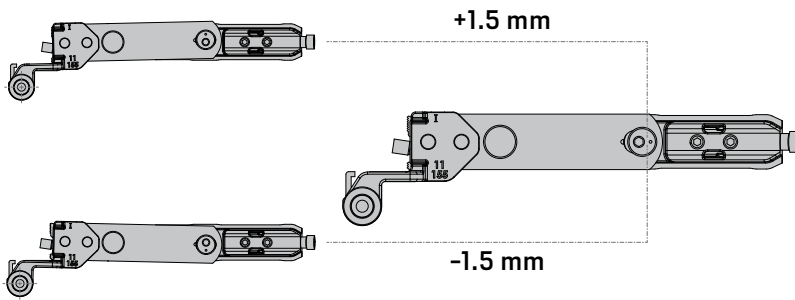
B1114 \*\*



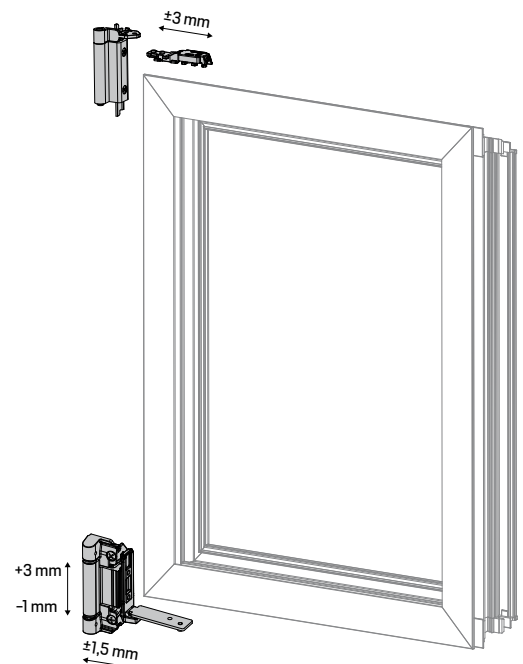
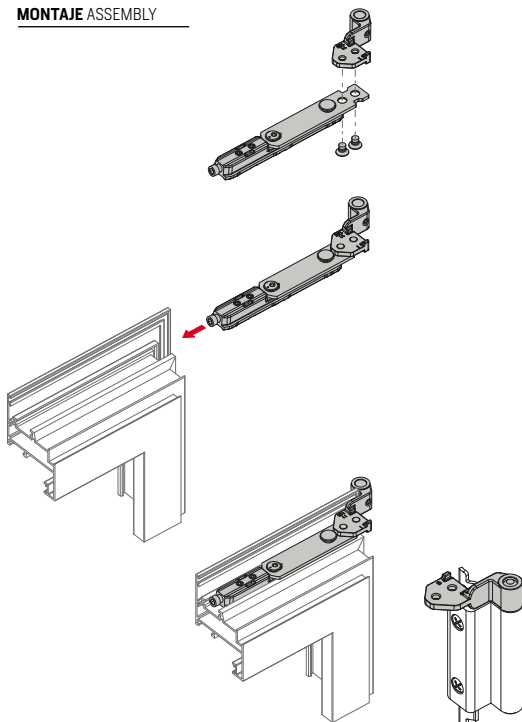
### FALSO COMPÁS REGULABLE ADJUSTABLE SECONDARY SASH TOP HINGE ADAPTER



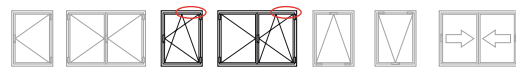
T110100



### MONTAJE ASSEMBLY



## COMPASES OSCIOBATIENTES TILT & TURN FRICTION STAYS



### COMPASES MANIOBRA TRADICIONAL TRADITIONAL OPERATION FRICTION STAYS

**B110301** GRANDE LARGE

**B110302** PEQUEÑO SMALL

**T10309** MICRO

**T110301** CLX

Zm Inx



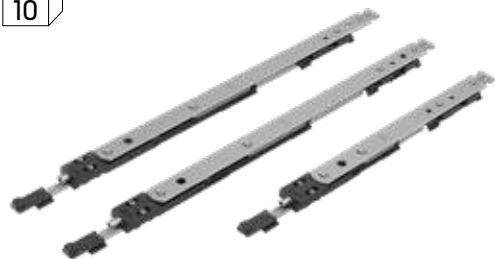
### COMPASES MANIOBRA LÓGICA TILT-BEFORE-TURN FRICTION STAYS

**A110304** GRANDE LARGE

**A110305** PEQUEÑO SMALL

**T110304** CLX

Zm Inx



Los compases permiten realizar aperturas oscilobatientes en combinación con los diferentes mecanismos.

The frictions stays allow to make tilt & turn openings in combination with the different mechanisms.

#### CARACTERÍSTICAS TÉCNICAS

• En los kits oscilobatientes existen 2 tipos de compases:

##### Maniobra tradicional

##### Maniobra lógica

- Los compases llevan un remache excéntrico encasquillado para regular la presión de cierre.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

#### TECHNICAL CHARACTERISTICS

• In the tilt & turn kits there are 2 types of friction stays:

##### Traditional operation

##### Tilt-before-turn

- The friction stays are fitted with an eccentric rivet to regulate the closing pressure.
- The sliding parts incorporate a clip to eliminate looseness.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

#### MANIOBRA TRADICIONAL

- Disponible cuatro tamaños de compás: grande, pequeño, micro y CLX.
- El compás micro permite añadir un ángulo de reenvío suplementario, demandado para el mercado de la rehabilitación.

#### TRADITIONAL OPERATION

- Four friction stays sizes are available: large, small, micro and CLX.
- The micro friction stay allows to add a supplementary corner drive, which is demanded by the rehabilitation market.

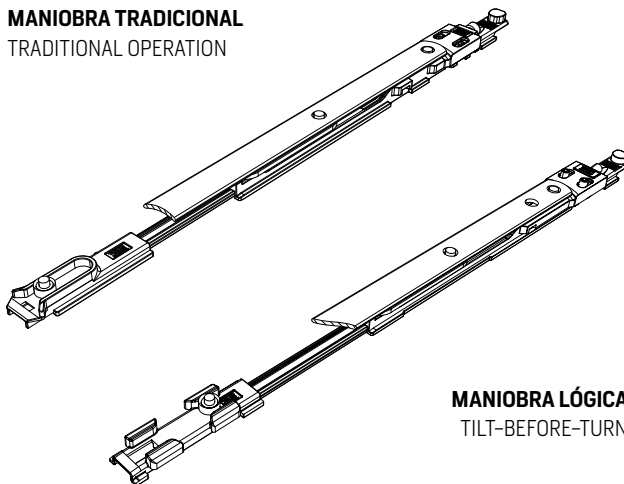
#### MANIOBRA LÓGICA

- Disponible tres tamaños de compás: grande, pequeño y CLX.

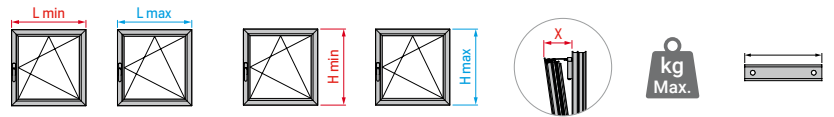
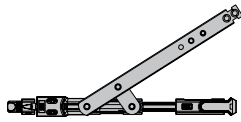
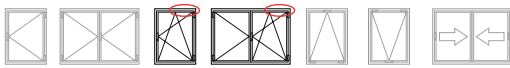
#### TILT-BEFORE-TURN

- Three friction stays sizes are available: large, small and CLX.

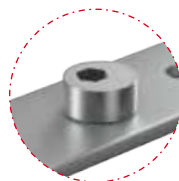
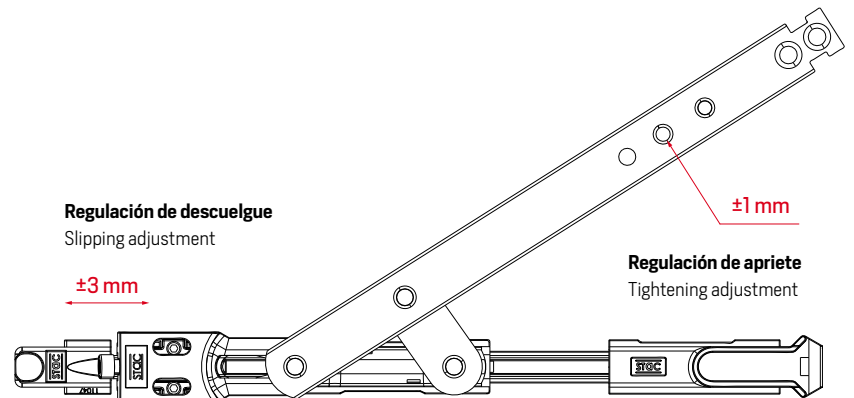
MANIOBRA TRADICIONAL  
TRADITIONAL OPERATION



MANIOBRA LÓGICA  
TILT-BEFORE-TURN

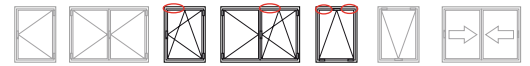


|                   |   |     |      |      |      |      |     |       |
|-------------------|---|-----|------|------|------|------|-----|-------|
| 110309            | <b>MICRO</b>  | 345 | 700  | 450  | 2600 | 110  | 120 | L-309 |
| B110302           | <b>PEQUEÑO</b><br>SMALL                                   | 442 | 750  | 500  | 2600 | 138  | 120 | L-373 |
| A110305           |   |     |      |      |      |      |     |       |
| B110301           | <b>GRANDE</b><br>LARGE                                    | 570 | 1200 | 700  | 2600 | 183  | 120 | L-495 |
| A110304           |   |     |      |      |      |      |     |       |
| T110301           | <b>CLX GRANDE</b><br>CLX LARGE                            | 570 | 1200 | 500  | 2800 | 135  | 160 | L-495 |
| T110304           |   |     |      |      |      |      |     |       |
| B110301 + A130301 | <b>GRANDE+ SUPLEMENTARIO</b><br>LARGE + SUPPLEMENTARY ARM | 910 | 1500 | 700  | 2600 | 183  | 120 | L-595 |
| A110304 + A130301 |   |     | 1200 | 1500 | 700  | 2600 | 183 | 120   |
| T110301 + A130301 | <b>CLX + SUPLEMENTARIO</b><br>CLX + SUPPLEMENTARY ARM     | 910 | 1500 | 500  | 2800 | 135  | 160 | L-595 |
| B110304 + A130301 |   |     | 1200 | 1500 | 500  | 2800 | 135 | 120   |



Los compases están provistos de excéntrica encasillada con regulación de apriete de  $\pm 1$  mm. Esta mejora se aplica a todos los compases manteniendo las mismas referencias

The friction stays are equipped with an encased eccentric with tightening adjustment of  $\pm 1$  mm. This improvement applies to all friction stays maintaining the same references



A130301

AL ZM

INX



Compás suplementario recomendado para ventanas oscilobatientes de gran anchura.

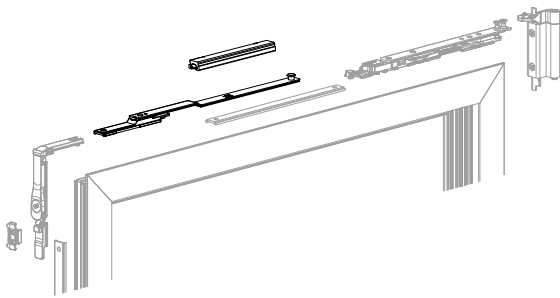
#### CARACTERÍSTICAS TÉCNICAS

- Recomendado para ventanas a partir de 1200 mm de ancho de hoja.
- Actúa como refuerzo al compás principal reduciendo los esfuerzos y vibraciones en el mismo cuando la ventana está en posición oscilo.
- Se suministra premontado, lo que permite una fácil y rápida colocación.
- Apto para aperturas de ventana abatibles\*.

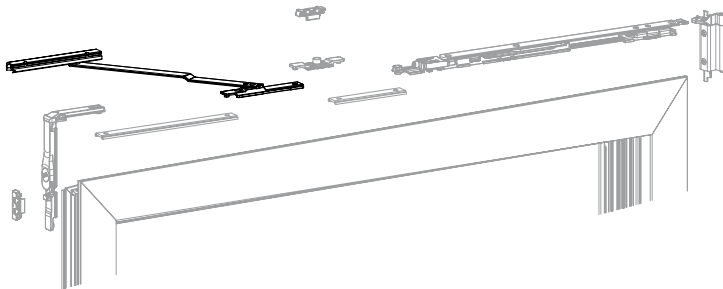
Supplementary friction stay recommended for wide tilt & turn windows.

#### TECHNICAL CHARACTERISTICS

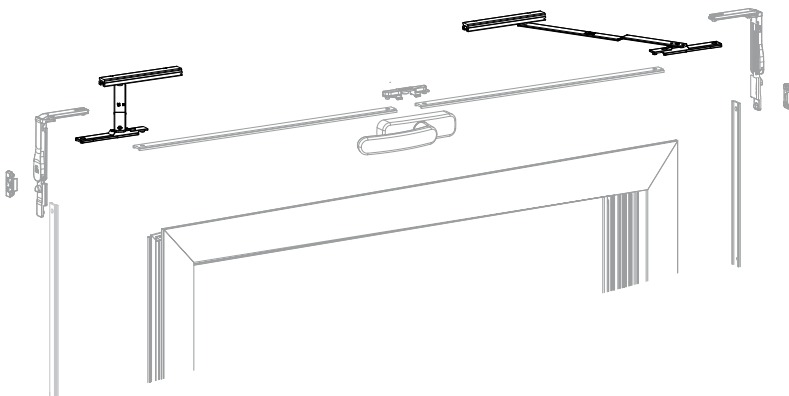
- Recommended for windows from 1200 mm wide sash.
- It acts as a reinforcement to the main friction stay reducing the efforts and vibrations in it when the window is in tilt position.
- It is supplied pre-assembled, which allows an easy and quick installation.
- Suitable for bottom-hung window openings\*.



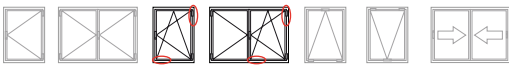
**COMPÁS SUPLEMENTARIO EN MANIOBRA TRADICIONAL**  
SUPPLEMENTARY FRICTION STAY FOR TRADITIONAL OPERATION



**COMPÁS SUPLEMENTARIO EN MANIOBRA LÓGICA**  
SUPPLEMENTARY FRICTION STAY FOR TILT-BEFORE-TURN



**COMPÁS SUPLEMENTARIO EN ABATIBLE**  
SUPPLEMENTARY FRICTION STAY FOR BOTTOM-HUNG



Supplementary corner drive for tilt & turn window opening.

### TECHNICAL CHARACTERISTICS

- It is recommended to use it for sash heights higher than 1200 mm in vertical and 1200 mm in horizontal.
- It is connected to the active sash terminal or to the friction stay tail for additional locking points (not valid for mini friction stay).
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

### B112100

- Simple and intuitive assembly: coupling with the friction stay is carried out without having to remove the hardware from the window.
- Length of the inner sliding zones reduced to improve smoothness of operation.
- Compact casing-support to reduce the possibility of contact with the upper hinges.

### H122100

- Valid for tilt & turn windows with CH180+ concealed hinges.

Ángulo de reenvío suplementario para ventanas de apertura oscilobatiente.

### CARACTERÍSTICAS TÉCNICAS

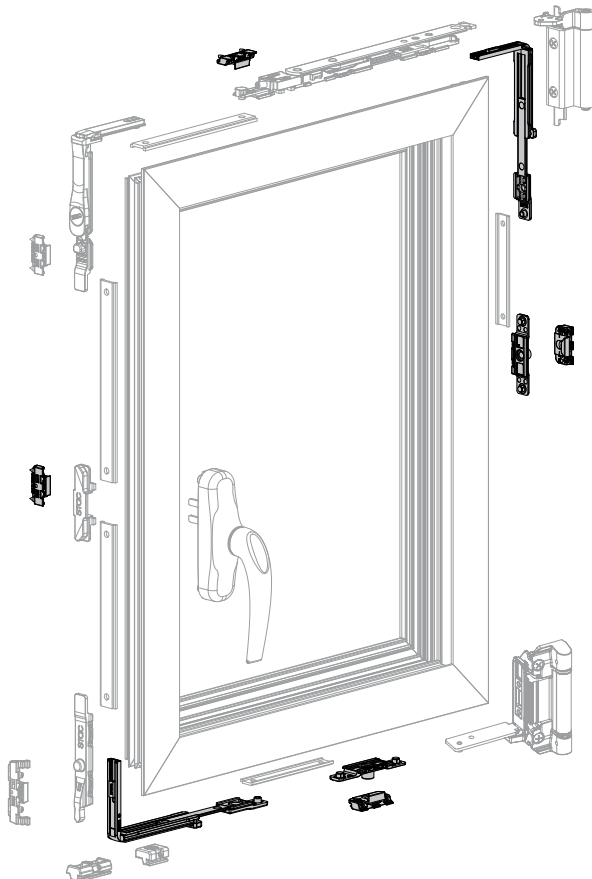
- Se recomienda utilizar para alturas de hoja superiores a 1200 mm en vertical y 1200 mm en horizontal.
- Se acopla con el terminal de la hoja activa o bien en la cola del compás para disponer de puntos de cierre adicionales (no válido para compás mini).
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

### B112100

- Montaje simple e intuitivo: el acoplamiento con el compás se realiza sin necesidad de desmontar el herraje de la ventana.
- Longitud de las zonas interiores de deslizamiento reducidas para mejorar la suavidad de funcionamiento.
- Carcasa-soporte compacta para reducir la posibilidad de contacto con las bisagras superiores.

### H122100

- Válido para ventanas oscilobatientes con bisagras ocultas CH180+.



ÁNGULO DE REENVÍO SUPLEMENTARIO  
SUPPLEMENTARY CORNER DRIVE



A112100



ÁNGULO DE REENVÍO SUPLEMENTARIO  
SUPPLEMENTARY CORNER DRIVE



B112100



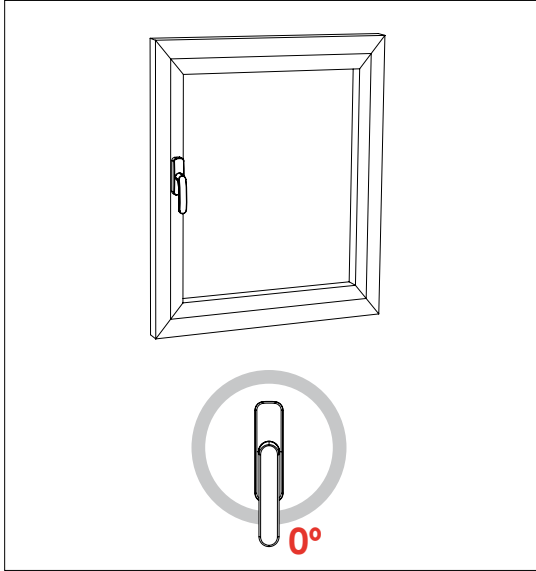
ÁNGULO DE REENVÍO SUPLEMENTARIO CH180+  
CH180+ SUPPLEMENTARY CORNER DRIVE



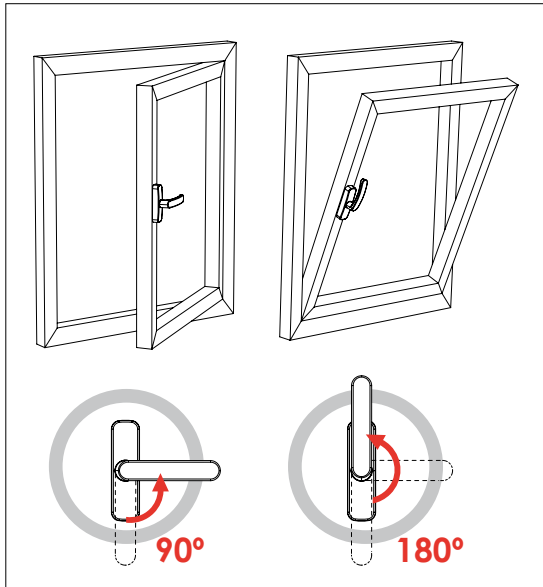
H122100



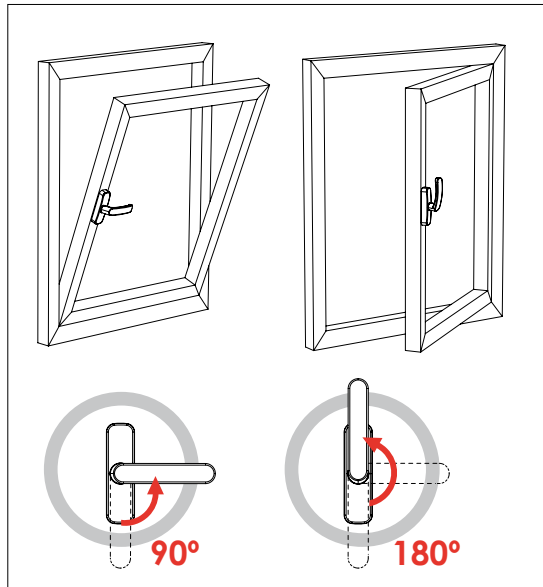
CERRADO | CLOSED



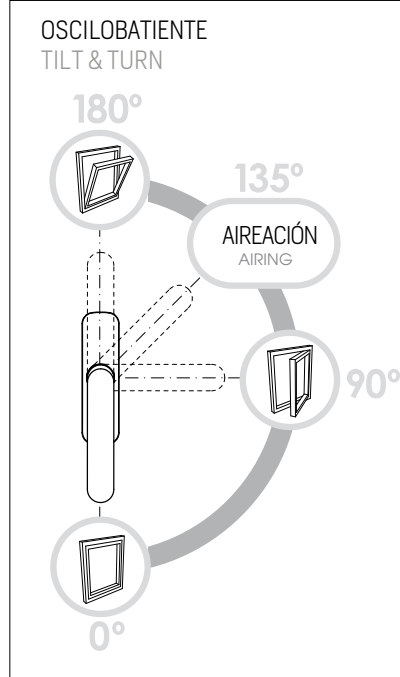
MANIOBRA TRADICIONAL | TILT & TURN



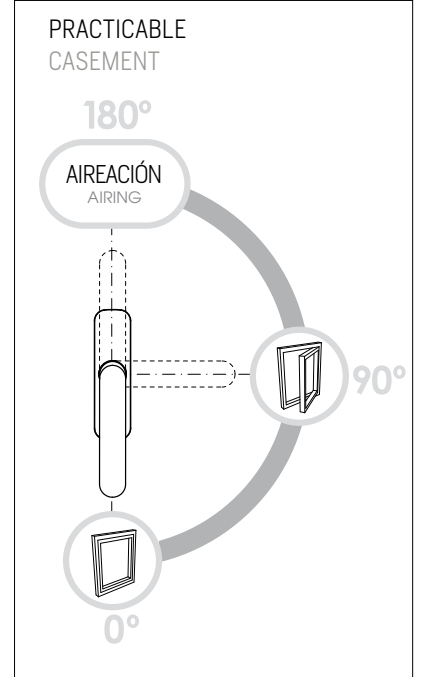
MANIOBRA LÓGICA | TILT-BEFORE-TURN



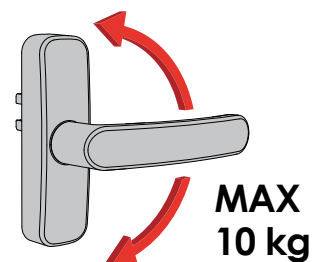
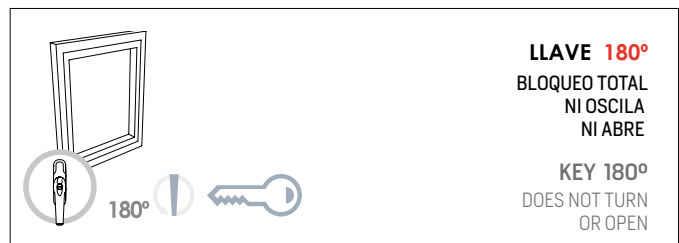
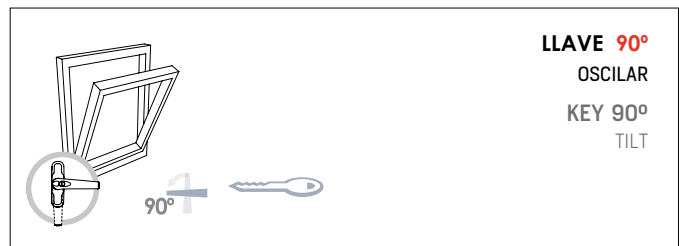
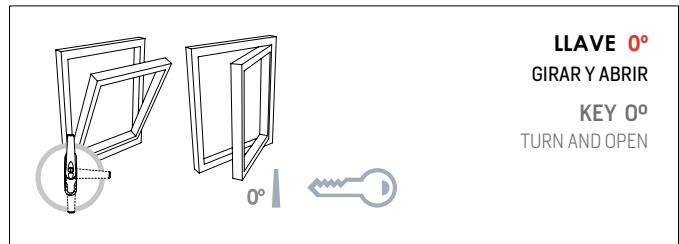
MICROVENTILACIÓN POSICIONES DE LA CREMONA



MICROVENTILATION CREMONE POSITIONS



MANIOBRA LÓGICA POSICIONES DE BLOQUEO CREMONA CON LLAVE LYRA BLOCK  
TILT-BEFORE-TURN BLOCK POSITIONS CREMONE WITH KEY LYRA BLOCK



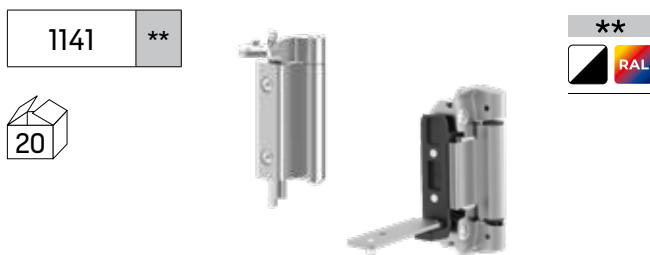


## BULK PACKAGING KIT

All of the packaging is designed to help large assembly production of the industrial tilt & turn kit.

The tilt & turn base kit is comprised of the references:

### KIT BISAGRAS HOJA ACTIVA ACTIVE SASH HINGE KIT

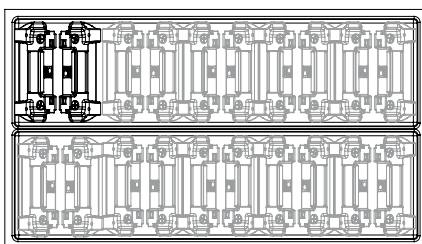


They are supplied in boxes containing 20 hinge sets. The advantage of this with respect to the base kit is that it eliminates the bags that the hinges are habitually packed in and in this way it reduces the assembly times and the operator does not have to open bags.

Furthermore, the sash hinges have the lower hinge shaft already fitted at the factory in the sash blade. By default, and in stock, the hinges are pre-assembled for the right hand side.

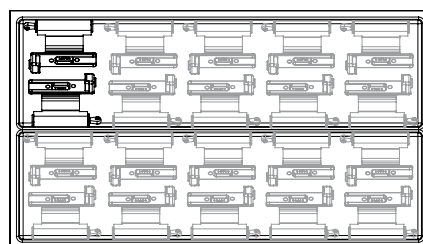
The parts are placed in plastic blister packs and the distribution of the parts has been thought out in order to save time in workshops where there are two assembly lines, one for frames and the other for sashes.

Each box has three trays placed in the following way:



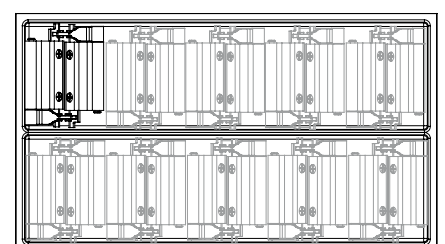
1.1 Todas las palas de marco con las pletinas de inox y los tornillos pre-montadas.

1.1 All the frame blades with the stainless steel plates and screws are pre-assembled.



1.2 Otro blíster contiene las palas de hoja con el eje ya montado de fábrica.

1.2 Another blister contains the sash blades with the shaft already assembled from the factory.



1.3 El tercer blíster lleva las bisagras superiores completamente pre-montadas a derechas.

1.3 The third blister pack contains top hinges completely pre-assembled to the right hand side.

NOTE: Please be aware that the hinges are pre-assembled to the right hand side. For special colours and finishes, please contact our commercial department.

## EMBALAJE INDUSTRIAL

Tipo de embalaje destinado a facilitar el montaje de grandes producciones de kit oscilo industrial.

El kit base oscilo industrial esta compuesto por las referencias:

### KIT DE BISAGRAS HINGE KIT

### KIT BISAGRAS HOJA PASIVA PASSIVE SASH HINGE KIT



Se suministran en una caja con 20 juegos de bisagras. La ventaja respecto al kit base es que se elimina las bolsas donde van habitualmente las bisagras consiguiendo con esto reducir los tiempos de montaje ya que trabajador no tiene porque abrir las bolsas.

Además las bisagras de hoja tienen el eje de la bisagra inferior insertado ya de fábrica en la pala de hoja. Por defecto, y en stock las bisagras están premontadas a derechas.

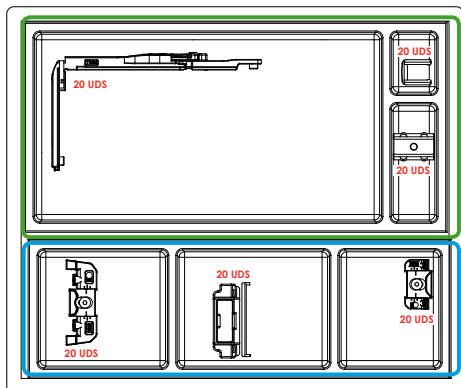
Las piezas van sobre blísters de plástico y la distribución de las piezas ha sido pensada para ahorrar tiempo en aquellas carpinterías donde existen dos líneas de montaje, una para los marcos y otra para las hojas.

Cada caja tiene 3 bandejas de la siguiente forma:

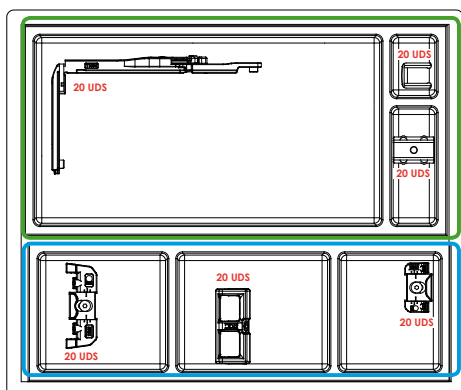
NOTA: Recordamos que las bisagras van premontadas a derechas. Para colores y acabados especiales póngase en contacto con nuestro departamento comercial.

## 2 KITS OSCIOBATIENTES TILT & TURN KITS

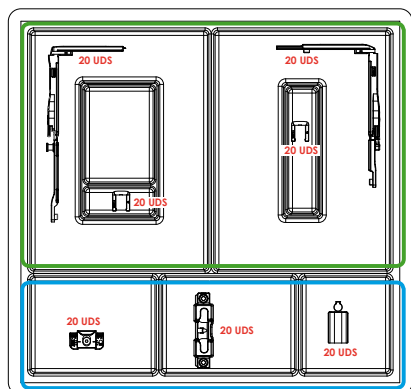
114000



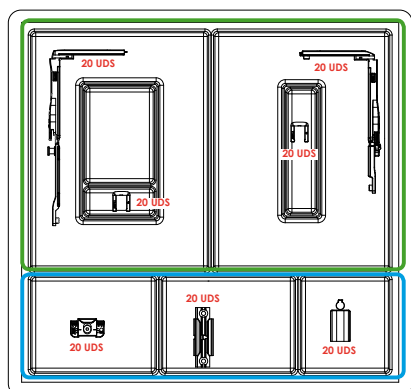
114000Z



A114010



A114020



Bajo este código se incluyen todas las piezas de hoja y marco que no están superpuestas al color del herraje.

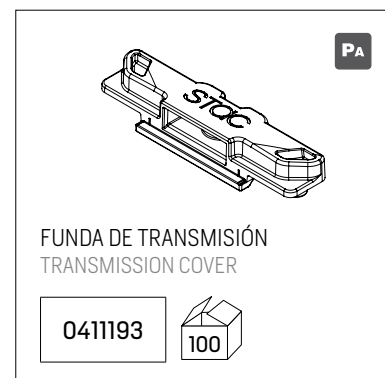
Al igual que el kit de bisagras comentado anteriormente, se han eliminado del embalaje tradicional todas las bolsas y las piezas se suministran a granel totalmente pre-montadas y separadas en dos grupos: por un lado las piezas que van montadas en la hoja: ángulo de reenvío, resbalón y anti-palanca de hoja, etc. y por otro lado las piezas que van en el marco, como son los cerraderos, resbalones de marco, etc.

En el kit oscilo industrial no se incluyen la pieza de transmisión de cremone (0511110) ni el terminal hoja activa (0511020) ya que el cliente puede utilizar una única falleba troquelada en nuestra máquina TFS-04, TFS-05 y TFS-06.

This code includes all the sash and frame parts that are not overridden by the hardware colour.

Just as the previously mentioned hinge kit where the traditional packaging has been eliminated and the parts are supplied in bulk and totally pre-assembled and separated in two groups, one being the parts to be assembled in the sash: angle return, strike plate, and sash antilever, etc. and the other being the parts that are for the frame such as the locks, frame strike plates, etc.

In the industrial tilt & turn kit, the cremone transmission part (0511110) and the active sash terminal (0511020) are not included because the client can use one unique operating rod that is fabricated in our machine TFS-04, TFS-05 and TFS-06.



PIEZAS NO INCLUIDAS EN EL EMBALAJE INDUSTRIAL PIECES NOT INCLUDED IN BULK PACKAGING

### COMPONENTES KITS BASE OSCIOBATIENTE - EMBALAJE INDUSTRIAL

TILT & TURN BASE KIT COMPONENTS - BULK PACKAGING

|         |  |  |
|---------|--|--|
| 114000  | <b>KIT CIERRE AL INVERSOR CON CERRADERO DE PLÁSTICO</b><br>LOCKING TO INVERTER WITH PLASTIC FASTENER |  |
| 114000Z | <b>KIT CIERRE AL INVERSOR CON CERRADERO DE ZAMAK</b><br>LOCKING TO INVERTER WITH ZAMAK FASTENER      |  |
| A114010 | <b>KIT CIERRE AL MARCO</b><br>LOCKING TO FRAME KIT   |  |
| A114020 | <b>KIT MANIOBRA LÓGICA</b><br>TILT-BEFORE-TURN KIT   |  |

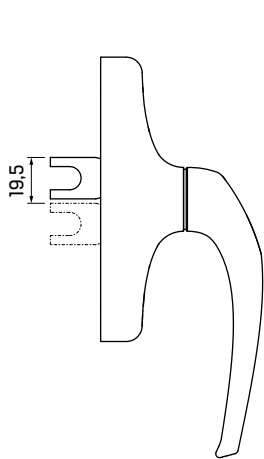
- ELEMENTOS DE HOJA / SASH PARTS
- ELEMENTOS DE MARCO / FRAME PARTS

In continuation the basic references can be seen for the tilt & turn cremones (LYRA & SIRIUS cremones) and the variants of rounded or squared escutcheons. These references DO NOT include the transmission part marked as 0511110 in the previous page of this document.

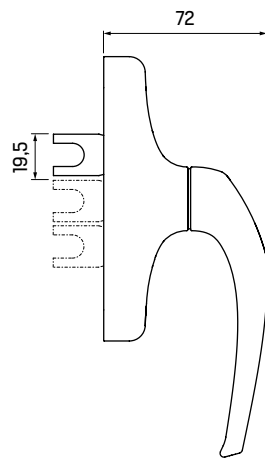
All of the cremones by default are pre-assembled in turn mode opening to the right. For orders above 500 cremones and with a lead time of 3 weeks, you can select the default action (tilt & turn or casement) as well as the assembled turn position (right or left).

A continuación aparecen las referencias básicas de las cremonas de oscilo (Cremonas LYRA y SIRIUS) en las variantes de escudo redondo y cuadrado. Estas referencias NO incluyen la pieza de transmisión, marcada como 0511110 en la página anterior de este documento.

Todas las cremonas por defecto están pre-montadas para oscilo con apertura derecha. Para pedidos superiores a 500 cremonas y con plazo de entrega de 3 semanas se puede escoger el accionamiento por defecto (oscilo o practicable), así como mano de montaje (derecha o izquierda).



**APERTURA PRACTICABLE**  
CASEMENT OPENING



**APERTURA OSCILOBATIENTE**  
TILT & TURN OPENING

CREMONAS OSCILOBATIENTES SIN FUNDA **3**  
TILT & TURN CREMONES WITHOUT COVER

CREMONA SIRIUS  
SIRIUS CREMONE



A1157 \*\*



CREMONA LYRA  
LYRA CREMONE



1135 \*\*



CREMONA LYRA  
LYRA SQUARE CREMONE



1135 \*\* C



**4** ELEMENTOS NO INCLUIDOS  
PARTS NOT INCLUDED

PLETINA FALLEBA  
OPERATING ROD



REMACHE PUNTO DE CIERRE Ø6  
Ø6 LOCKING POINT RIVET

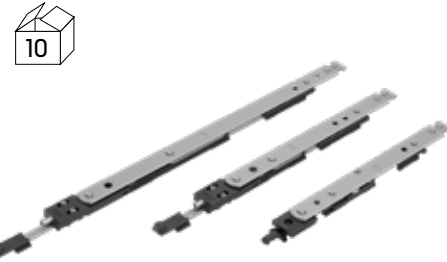


REMACHE PUNTO DE CIERRE Ø8  
Ø8 LOCKING POINT RIVET



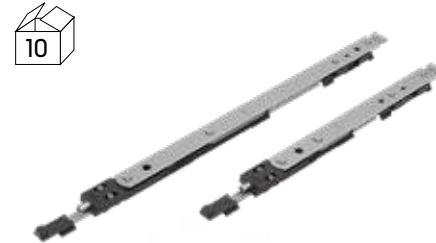
COMPASES OSCILOBATIENTES  
TILT & TURN FRICTION STAYS

|         |               |        |
|---------|---------------|--------|
| B110301 | GRANDE LARGE  | ZM Inx |
| B110302 | PEQUEÑO SMALL | CE     |
| 110309  | MICRO         |        |



COMPASES MANIOBRA LÓGICA  
TILT-BEFORE-TURN FRICTION STAYS

|         |               |          |
|---------|---------------|----------|
| A110304 | GRANDE LARGE  | ZM Inx   |
| A110305 | PEQUEÑO SMALL | ML<br>CE |



PUNTO DE CIERRE REGULABLE  
ADJUSTABLE LOCKING POINT



6



## Oscilobatiente Tilt & Turn

Bisagras oscilobatientes SMART  
SMART tilt & turn hinges

Kit base oscilobatiente SMART cierre al inversor  
SMART tilt & turn locking to inverter base kit

Kit base oscilobatiente SMART cierre al marco  
SMART tilt & turn locking to frame base kit

Kit base oscilobatiente SMART maniobra lógica  
SMART tilt-before-turn base kit

Notas técnicas  
Technical notes



El herraje oscilobatiente SMART para Canal Europeo está pensado para ajustarse a las tipologías de ventanas más habituales.

Se trata de un nuevo herraje optimizado que supone una solución más competitiva y con más prestaciones para las ventanas del día a día.

The SMART tilt & turn hardware for Euro Groove profiles has been designed to fit the most common types of windows.

It is a new range of optimized hardware which offer a more competitive and higher-specification solutions for everyday windows.



### SUAVIDAD DE CIERRE

Todo los sistemas oscilobatientes SMART incluyen puntos de cierre encasquillados.

### SMOOTH CLOSING

All the SMART tilt & turn systems include encased locking points.

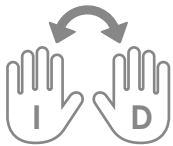


### RAPIDEZ DE MONTAJE

Ambas bisagras poseen un menor número de elementos por lo que se ahorra tiempo de montaje.

### FASTER ASSEMBLY

Both hinges have fewer parts allowing faster assembly time.

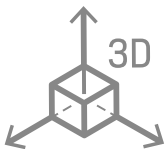


### REVERSIBLES

Las mismas bisagras son válidas tanto para la hoja activa como para la hoja pasiva.

### REVERSIBLE

The same hinges are useable on both the active and passive sashes.



### REGULACIÓN EN 3 DIMENSIONES

La bisagra inferior permite la regulación 3D. Regulación en altura desde el exterior

### 3D ADJUSTMENT

The lower hinge allows for 3D adjustment. Height adjustment from the exterior.

### BISAGRA SUPERIOR UPPER HINGE



**CIRCLIP de montaje rápido que facilita la extracción del bulón**

CIRCLIP of fast assembly that facilitates the extraction of the pin

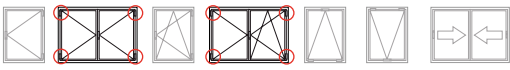
**Contraplacas de zamak**  
Zamak counterplates

**TAPÓN para regulación vertical directa**

CAP for direct vertical adjustment



### BISAGRA INFERIOR LOWER HINGE



Kit of SMART hinges for tilt & turn opening systems.

### TECHNICAL CHARACTERISTICS

- Maximum load per sash: 90 kg.
- Quick assembly: both hinges have fewer elements, thus saving assembly time.
- Reversible: the same hinges are valid for both the active and the passive sash.
- Zamak counterplates.

### UPPER HINGE

- Quick-mount circlip for easy pin removal.
- Lateral adjustment:  $\pm 3$  mm
- Tightening adjustment:  $\pm 1$  mm.

### LOWER HINGE

- 3D adjustment: sash height adjustment from the outside of the leaf.

Kit de bisagras SMART para sistemas de apertura oscilobatientes.

### CARACTERÍSTICAS TÉCNICAS

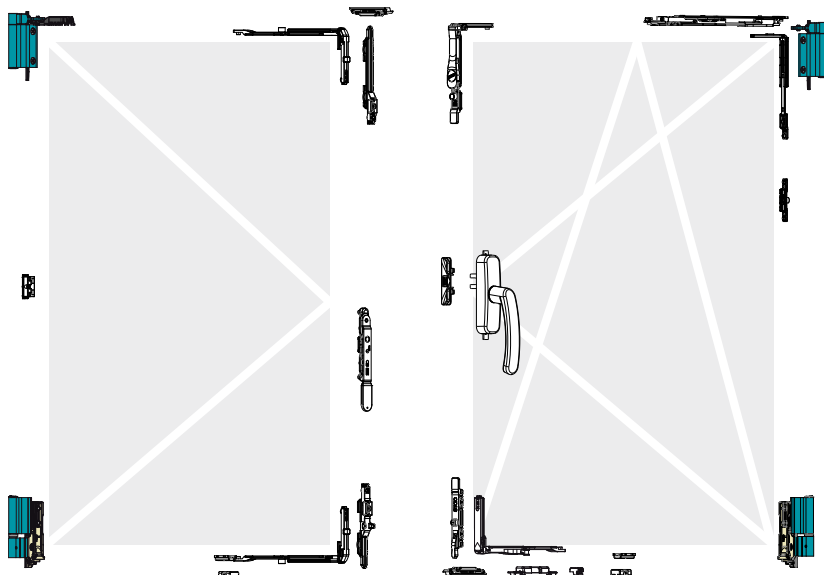
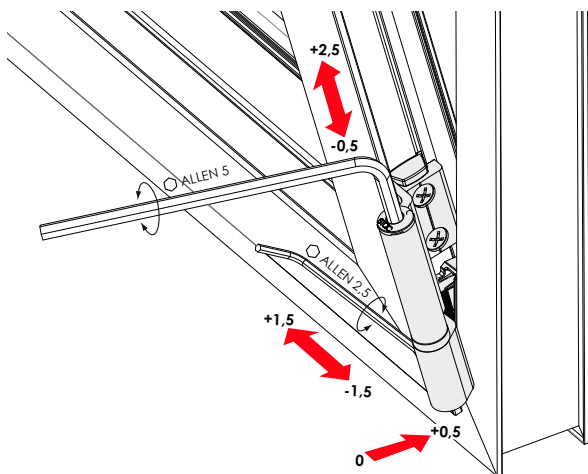
- Carga máxima por hoja: 90 kg.
- Rapidez de montaje: ambas bisagras poseen un menor número de elementos por lo que se ahorra tiempo de montaje.
- Reversibles: las mismas bisagras son válidas tanto para la hoja activa como para la pasiva.
- Contraplacas de zamak.

### BISAGRA SUPERIOR

- "Circlip" de montaje rápido que facilita la extracción del bulón.
- Regulación lateral:  $\pm 3$  mm.
- Regulación en apriete:  $\pm 1$  mm.

### BISAGRA INFERIOR

- Regulación 3D: regulación de la hoja en altura desde el exterior de la pala.



KIT DE BISAGRAS SMART HOJA ACTIVA  
SMART HINGE KIT ACTIVE SASH

\*\*



AL ZM

Ac INX



R1113

\*\*



KIT DE BISAGRAS SMART HOJA PASIVA  
SMART HINGE KIT PASSIVE SASH

\*\*



AL ZM

Ac INX



R1114

\*\*

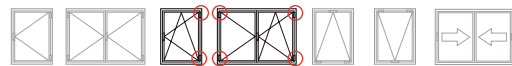


Ver notas técnicas para realizar el cambio de mano de las bisagras.

See technical notes for changing the hinges hand.

# KIT BASE OSCIOBATIENTE SMART

## SMART TILT & TURN BASE KIT



### CIERRE AL INVERSOR SMART SIN CREMONA

#### SMART LOCKING TO INVERTER WITHOUT CREMONE

R1133 \*\*

16



Kits base con bisagras SMART para aperturas oscilobatientes de cierre al inversor.

#### CARACTERÍSTICAS TÉCNICAS

- Carga máxima por hoja: 90 kg.
- Los kits vienen provistos de bisagras con regulación 3D y puntos de cierre encasquillados regulables.
- Posibilidad de acoplar múltiples puntos de cierre.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

Base kits with SMART hinges for tilt & turn locking to inverter openings.

#### TECHNICAL CHARACTERISTICS

- Maximum load per sash: 90 kg.
- The kits are supplied with 3D adjustable hinges and adjustable encased locking points.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

### CIERRE AL INVERSOR SMART CON CREMONA LYRA

#### SMART LOCKING TO FRAME WITH LYRA CREMONE

R1118 \*\*

16



Compases no incluidos. Consulte compases compatibles en la página 134.

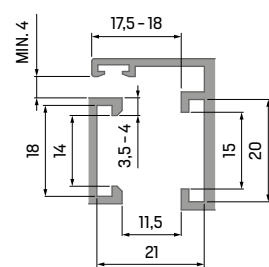
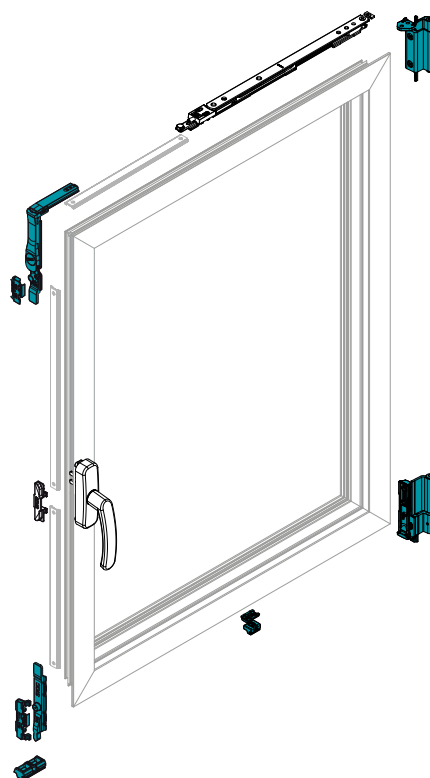
Friction stays not included. See compatible friction stays on page 134.

### CIERRE AL INVERSOR SMART CON CREMONA SIRIUS

#### SMART LOCKING TO FRAME WITH SIRIUS CREMONE

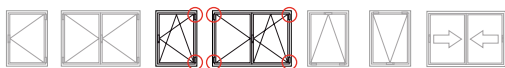
R1118 \*\* S

16



CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)





Base kits with SMART hinges for tilt & turn locking to frame openings.

### TECHNICAL CHARACTERISTICS

- Maximum load per sash: 90 kg.
- The kits are supplied with tilt & turn hinges with 3D adjustment, and adjustable encased locking points, except for the lower corner drive with safety mushroom.
- Possibility of fitting multiple locking points.
- Tilting striker with integrated latch.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

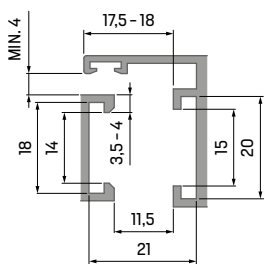
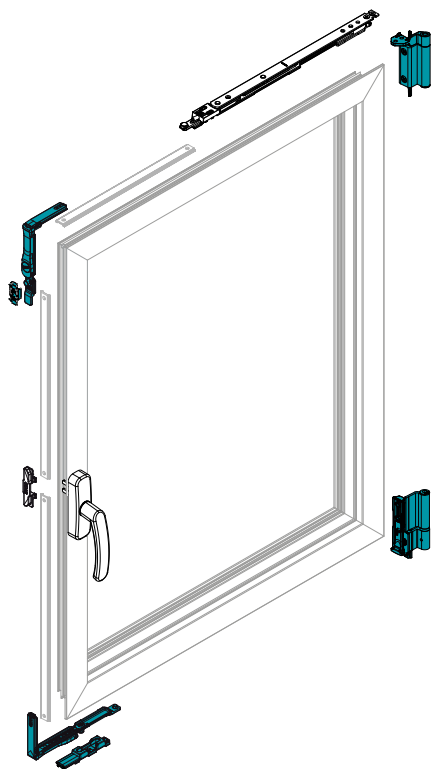
Friction stays not included. See compatible friction stays on page 134.

Kits base con bisagras SMART para aperturas oscilobatientes de cierre al marco.

### CARACTERÍSTICAS TÉCNICAS

- Carga máxima por hoja: 90 kg.
- Los kits vienen provistos de bisagras de oscilo con regulación 3D, y puntos de cierre encasillados regulables, excepto el reenvío inferior con seta de seguridad.
- Posibilidad de acoplar múltiples puntos de cierre.
- Cerradero de basculamiento con resbalón integrado.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

Compases no incluidos. Consulte compases compatibles en la página 134.



CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)

### CIERRE AL MARCO SMART SIN CREMONA SMART LOCKING TO FRAME WITHOUT CREMONA



R1139 \*\*



### CIERRE AL MARCO SMART CON CREMONA LYRA SMART LOCKING TO FRAME WITH LYRA CREMONA



R1132 \*\*

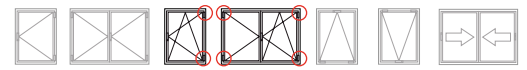


### CIERRE AL MARCO SMART CON CREMONA SIRIUS SMART LOCKING TO FRAME WITH SIRIUS CREMONA



R1132 \*\* S





MANIOBRA LÓGICA SMART SIN CREMONA  
SMART TILT-BEFORE-TURN WITHOUT CREMONE

R1123 \*\*

16



Kit base con bisagras SMART para aperturas oscilobatientes con maniobra lógica.

**CARACTERÍSTICAS TÉCNICAS**

- Carga máxima por hoja: 90 kg.
- El kit viene provisto de bisagras de oscilo con regulación 3D, y puntos de cierre encasquillados, excepto el reenvío inferior con seta de seguridad.
- Posibilidad de acoplar múltiples puntos de cierre.
- Cerradero de basculamiento con resbalón integrado.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

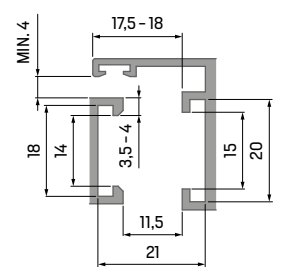
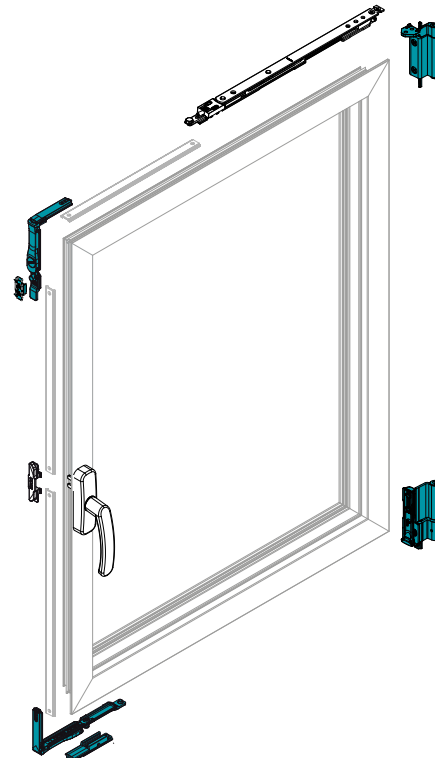
**Compases no incluidos. Consulte compases compatibles en la página 134 .**

Base kit with SMART hinges for tilt & turn openings with tilt-before-turn operation.

**TECHNICAL CHARACTERISTICS**

- Maximum load per sash: 90 kg.
- The kit is supplied with tilt & turn hinges with 3D adjustment, and encased locking points, except for the lower corner drive with safety mushroom.
- Possibility of fitting multiple locking points.
- Tilting striker with integrated latch.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

**Friction stays not included. See compatible friction stays on page 134.**

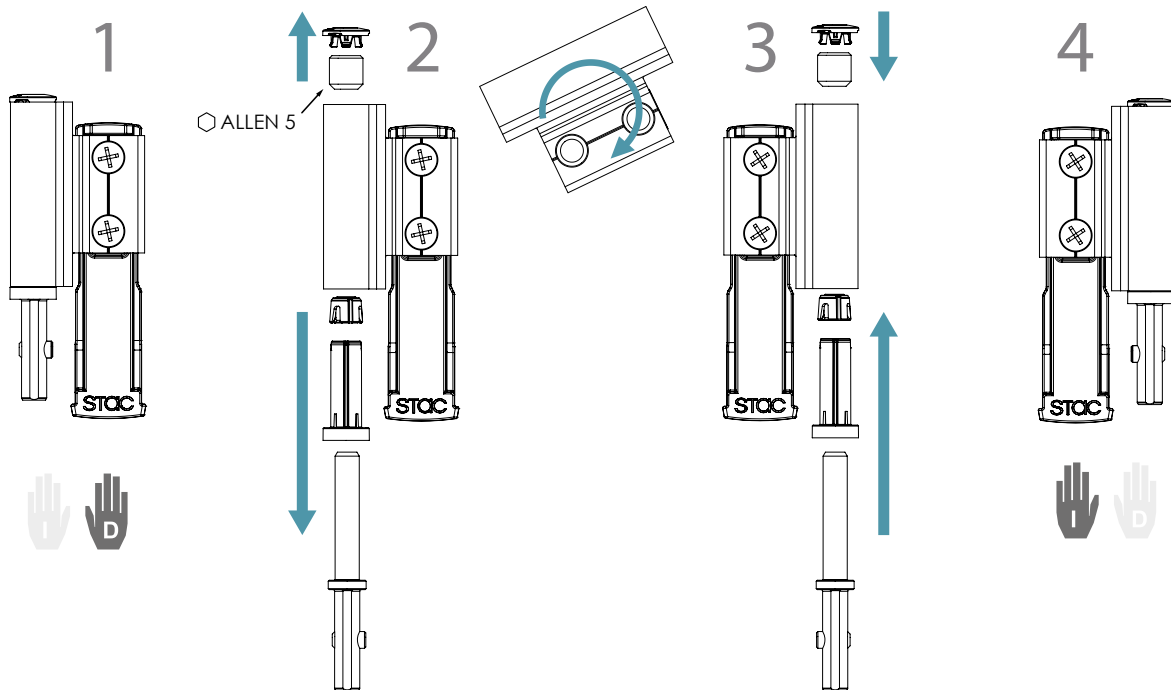


CANAL EUROPEO (EJE IO)  
EURO GROOVE (IO SHAFT)

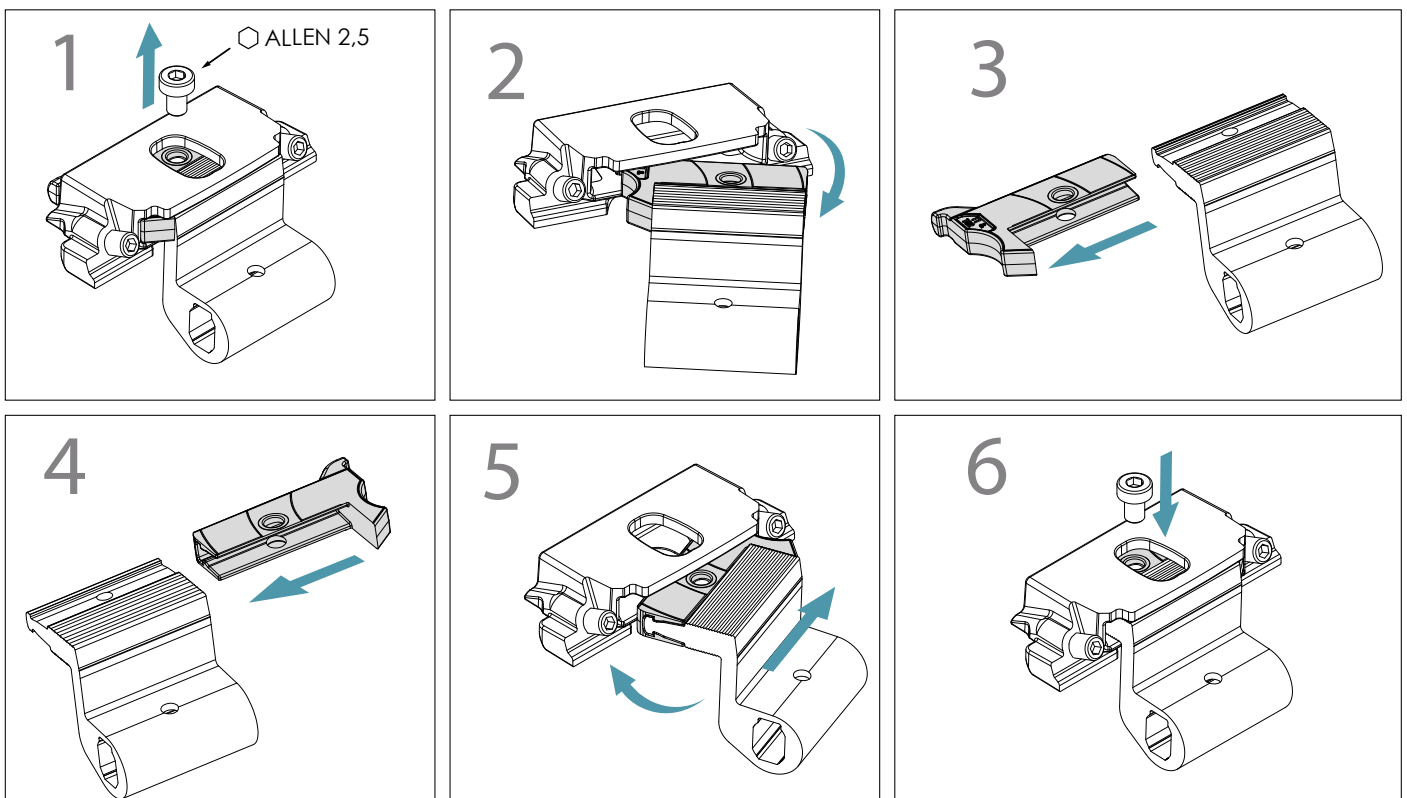
CAMBIO DE MANO DE DERECHAS A IZQUIERDAS BISAGRAS DE OSCILOBATIENTE  
TILT & TURN HINGES - CHANGE HAND FROM RIGHT TO LEFT



PALA HOJA - BISAGRA INFERIOR SMART  
SASH LEAF - SMART LOWER HINGE



PALA MARCO - BISAGRA INFERIOR SMART  
FRAME LEAF - SMART LOWER HINGE





# 7



## Oscilobatiente y practicable Tilt & Turn and casement

Kit base oscilobatiente cierre al inversor  
Tilt & turn locking to inverter base kit

Kit base oscilobatiente cierre al marco  
Tilt & turn locking to frame base kit

Kit base oscilobatiente maniobra lógica  
Tilt-before-turn base kit

Accesorios  
Accessories

Configuraciones practicables  
Casement configurations

Configuraciones oscilobatientes  
Tilt & turn configurations



Herraje mejorado con casquillos en los puntos de cierre para prolongar la durabilidad de los cerraderos, y reducir el desgaste por rozamiento a la vez que se facilita una mayor suavidad de cierre.

An improved hardware with cases in the locking points that prolong the durability of the strikers and reduce friction wear and at the same time facilitates a greater smoothness when locking.

### PUNTO DE CIERRE TERMINAL

Elemento de acero estampado que incorpora un punto de cierre SOFT.

Está diseñado para ser instalado a continuación de cualquier pieza del herraje de hoja: compás, ángulo de reenvío o funda de transmisión de la cremona.

### TERMINAL LOCKING POINT

Stamped steel element that incorporates a SOFT locking point.

It is designed to be installed next to any part of the sash fitting: friction stay, corner drive or cremone transmission cover.

### PUNTO DE CIERRE INTERMEDIO

Permite intercalar todos los puntos de cierre que se necesiten en configuraciones de ventana de grandes dimensiones. Incorpora punto de cierre SOFT y clip anti-holguras.

### INTERMEDIATE LOCKING POINT

Allows insertion of all the locking points that are necessary for windows of large dimensions. It incorporates a SOFT locking point and anti-looseness clip.

### ÁNGULO DE REENVÍO

Incluye punto de cierre SOFT encasquillado.

### CORNER DRIVE

Includes a SOFT encased locking point.



### PUNTERO

Para el basculamiento de la ventana. Incorpora punto de cierre SOFT y clip anti-holguras.

### POINTER

For window tilting. It incorporates a SOFT locking point and anti-looseness clip.



### COMPÁS

Provisto de excéntrica encasquillada con regulación de apriete:  $\pm 1$  mm.

### FRICTION STAY

Supplied with an encased cam with a tightening adjustment:  $\pm 1$  mm.

NOTA: Esta mejora se aplica a todos los compases existentes manteniendo las mismas referencias.

NOTE: This improvement can be applied to all existing friction stays using the same references.

### PUNTO DE CIERRE DE FALLEBA

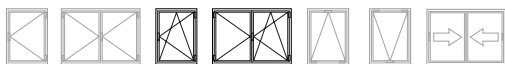
Disponibles remaches SOFT encasquillados en cánulas para TFS-04, TFS-05 y/o TFS-06.

(Válido para códigos actuales de las TFS)

### OPERATING ROD LOCKING POINT

SOFT rivets available encased in tubes for TFS-04, TFS-05 and/or TFS-06.

(Valid for current TFS codes.)



Kits for tilt & turn openings locking to inverter with EVO-SOFT encased hardware.

## TECHNICAL CHARACTERISTICS

- The kits are supplied with tilt & turn hinges with horizontal and vertical adjustment.
- Adjustable and encased locking points.
- Closing effort up to 50% less than traditional hardware.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

Friction stays not included. See compatible friction stays on page 134.

Kits para aperturas oscilobatientes de cierre al inverter con herraje encasquillado EVO-SOFT.

## CARACTERÍSTICAS TÉCNICAS

- Los kits vienen provistos de bisagras de oscilo con regulación horizontal y vertical.
- Puntos de cierre regulables y encasquillados.
- Esfuerzo de cierre hasta un 50% menor que en el herraje tradicional.
- Posibilidad de añadir múltiples puntos de cierre de seguridad.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

Compases no incluidos. Consulte compases compatibles en la página 134.



## CIERRE AL INVERSOR SIN CREMONA

LOCKING TO INVERTER WITHOUT CREMONA



C1133 \*\*



## CIERRE AL INVERSOR CON CREMONA LYRA

LOCKING TO INVERTER WITH LYRA CREMONA



C1118 \*\*



## CIERRE AL INVERSOR CON CREMONA SIRIUS

LOCKING TO INVERTER WITH SIRIUS CREMONA

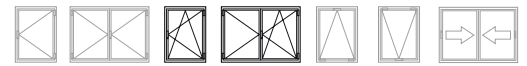


C1118 \*\* S



# KIT BASE OSCILOBATIENTE CON HERRAJE EVO-SOFT

## TILT & TURN BASE KIT WITH EVO-SOFT HARDWARE



### CIERRE AL MARCO SIN CREMONA

#### LOCKING TO FRAME WITHOUT CREMONE

C1139 \*\*

16



Kits para aperturas oscilobatientes de cierre al marco con herraje encasquillado EVO-SOFT.

#### CARACTERÍSTICAS TÉCNICAS

- Los kits vienen provistos de bisagras de oscilo con regulación horizontal y vertical.
- Puntos de cierre regulables y encasquillados, excepto el ángulo de reenvío inferior con seta de seguridad.
- Cerradero de basculamiento con resbalón integrado.
- Posibilidad de añadir múltiples puntos de cierre de seguridad.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

Kits for tilt & turn openings locking to frame with EVO-SOFT encased hardware.

#### TECHNICAL CHARACTERISTICS

- The kits are supplied with tilt & turn hinges with horizontal and vertical adjustment.
- Adjustable and encased locking points, except the lower corner drive with safety mushroom.
- Tilting striker with integrated latch.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

### CIERRE AL MARCO CON CREMONA LYRA

#### LOCKING TO FRAME WITH LYRA CREMONE

C1132 \*\*

16



Compases no incluidos. Consulte compases compatibles en la página 134 .

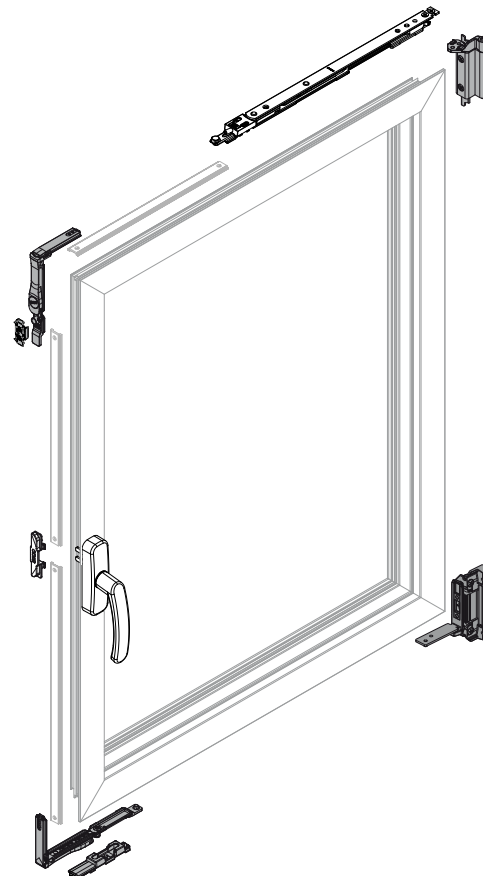
Friction stays not included. See compatible friction stays on page 134.

### CIERRE AL MARCO CON CREMONA SIRIUS

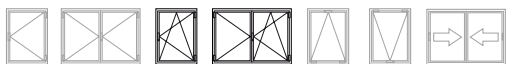
#### LOCKING TO FRAME WITH SIRIUS CREMONE

C1132 \*\* S

16







Kit for tilt & turn openings with tilt-before-turn operation with EVO-SOFT encased hardware.

### TECHNICAL CHARACTERISTICS

- The kits are supplied with tilt & turn hinges with horizontal and vertical adjustment.
- Adjustable and encased locking points, except the lower corner drive with safety mushroom.
- Tilting striker with integrated latch.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

Friction stays not included. See compatible friction stays on page 134.

Kit para aperturas oscilobatientes de con maniobra lógica con herraje encasquillado EVO-SOFT.

### CARACTERÍSTICAS TÉCNICAS

- Los kits vienen provistos de bisagras de oscilo con regulación horizontal y vertical.
- Puntos de cierre regulables y encasquillados, excepto el ángulo de reenvío inferior con seta de seguridad.
- Cerradero de basculamiento con resbalón integrado.
- Posibilidad de añadir múltiples puntos de cierre de seguridad.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

Compases no incluidos. Consulte compases compatibles en la página 134.

MANIOBRA LÓGICA SIN CREMONA  
TILT-BEFORE-TURN WITHOUT CREMONA

\*\*



AL ZM

PA INX

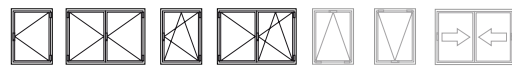
CE



C1123

\*\*



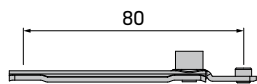


KIT PUNTO DE CIERRE TERMINAL  
TERMINAL LOCKING POINT KIT

113004C



ZM INX



DESCUENTO DISCOUNT 80 mm

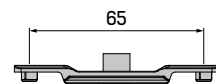
KIT PUNTO DE CIERRE INTERMEDIO  
INTERMEDIATE LOCKING POINT KIT

113003C



ZM INX

PA



DESCUENTO DISCOUNT 45 mm

REMACHE PUNTO DE CIERRE EVO-SOFT  
EVO-SOFT LOCKING POINT RIVET

0511149



AL



KIT ÁNGULO DE REENVÍO HORIZONTAL PRACTICABLE  
CASEMENT HORIZONTAL CORNER DRIVE KIT

113420C



ZM INX



KIT ÁNGULO DE REENVÍO SUPLEMENTARIO  
SUPPLEMENTARY CORNER DRIVE KIT

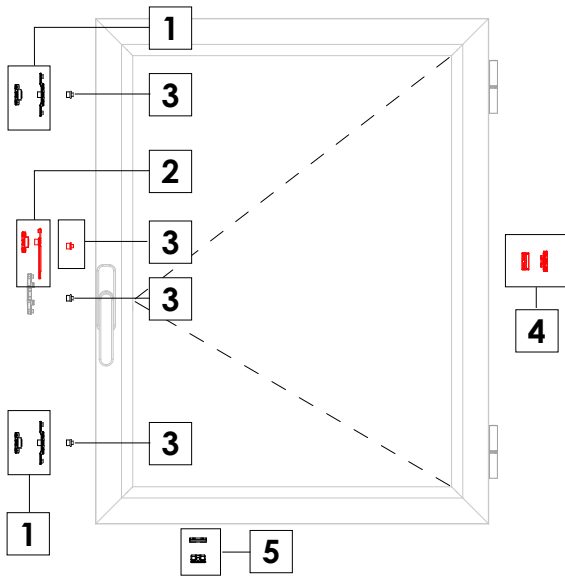
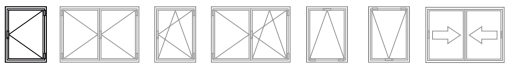
A112103C



ZM INX

PA

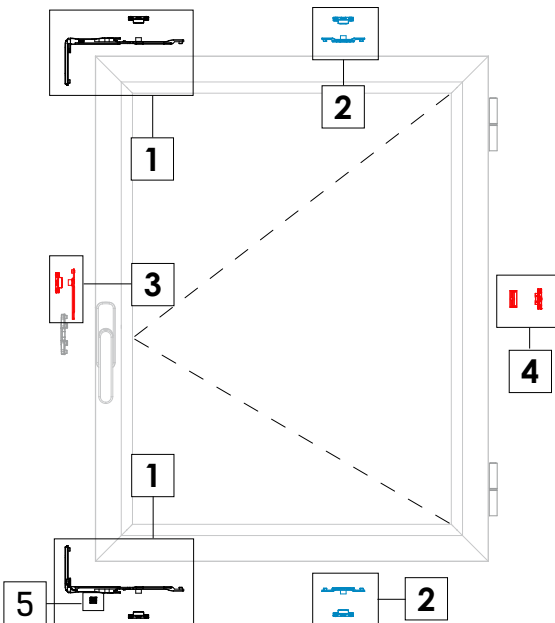




**PRACTICABLE CIERRE AL INVERSOR CON HERRAJE EVO-SOFT**  
CASEMENT LOCKING TO INVERTER WITH EVO-SOFT HARDWARE

|   |                |   |     |
|---|----------------|---|-----|
| 1 | <b>113003C</b> | <b>KIT PUNTO DE CIERRE INTERMEDIO</b><br>INTERMEDIATE LOCKING POINT KIT | 50  |
| 2 | <b>113004C</b> | <b>KIT PUNTO DE CIERRE TERMINAL</b><br>TERMINAL LOCKING POINT KIT       | 100 |
| 3 | <b>0511149</b> | <b>REMACHE PUNTO DE CIERRE EVO-SOFT</b><br>EVO-SOFT LOCKING POINT RIVET | 50  |
| 4 | <b>112500</b>  | <b>PUNTO DE CIERRE OCULTO</b><br>HIDDEN LOCKING POINT                   | 50  |
| 5 | <b>0710621</b> | <b>CONJUNTO RESBALÓN</b><br>LATCH KIT                                   | 100 |

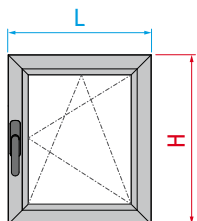
- **KIT BASE con puntos de cierre intermedios o remaches EVO-SOFT**  
BASE KIT with intermediate locking points or EVO-SOFT rivets
- **H > 1200 mm**
- **CREMONA Y BISAGRAS**  
CREMONE & HINGES

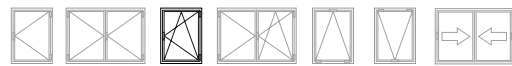


**PRACTICABLE CIERRE AL MARCO CON HERRAJE EVO-SOFT**  
CASEMENT LOCKING TO FRAME WITH EVO-SOFT HARDWARE

|   |                |   |     |
|---|----------------|---|-----|
| 1 | <b>113420C</b> | <b>KIT ÁNGULO DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT  | 20  |
| 2 | <b>113003C</b> | <b>KIT PUNTO DE CIERRE INTERMEDIO</b><br>INTERMEDIATE LOCKING POINT KIT | 50  |
| 3 | <b>113004C</b> | <b>KIT PUNTO DE CIERRE TERMINAL</b><br>TERMINAL LOCKING POINT KIT       | 100 |
| 4 | <b>112500</b>  | <b>PUNTO DE CIERRE OCULTO</b><br>HIDDEN LOCKING POINT                   | 50  |
| 5 | <b>0517193</b> | <b>RESBALÓN</b><br>LATCH  | 100 |

- **CONFIGURACIÓN RECOMENDADA 113420C (2 unidades)**  
RECOMMENDED CONFIGURATION 113420C (2 units)
- **H > 1200 mm**
- **L > 1200 mm**
- **CREMONA Y BISAGRAS**  
CREMONE & HINGES





**OSCILOBATIENTE CIERRE AL INVERSOR CON HERRAJE EVO-SOFT**  
TILT & TURN LOCKING TO INVERTER WITH EVO-SOFT HARDWARE

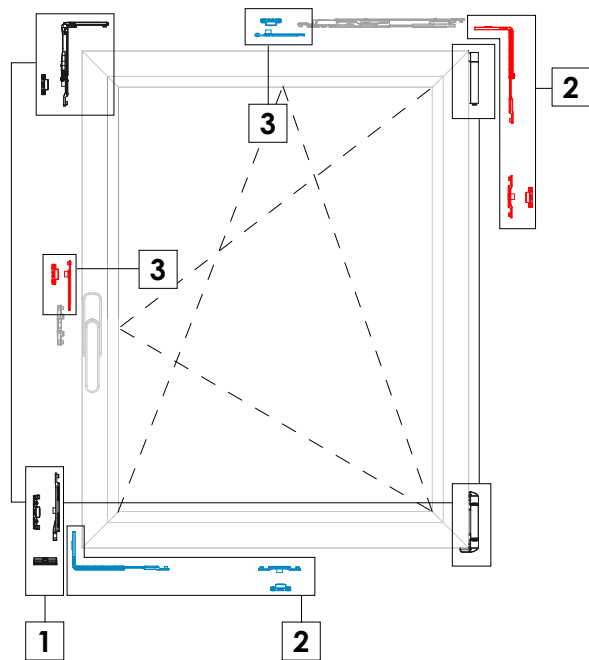
|   |                 |    |  |  |
|---|-----------------|----|--|--|
| 1 | <b>C1133</b>    | ** | <b>KIT CIERRE AL INVERSOR SIN CREMONA</b><br>LOCKING TO INVERTER KIT WITHOUT CREMONE |  |
| 2 | <b>A112103C</b> |    | <b>KIT ÁNGULO DE REENVÍO SUPLEMENTARIO</b><br>SUPPLEMENTARY CORNER DRIVE KIT         |  |
| 3 | <b>113004C</b>  |    | <b>KIT PUNTO DE CIERRE TERMINAL</b><br>TERMINAL LOCKING POINT KIT                    |  |

■ **KIT BASE C1133\*\***  
BASE KIT C1133\*\*

■ **H > 1200 mm**

■ **L > 1200 mm**

■ **COMPÁS Y CREMONA**  
FRICTIONS STAY & CREMONE



**OSCILOBATIENTE CIERRE AL MARCO CON HERRAJE EVO-SOFT**  
TILT & TURN LOCKING TO FRAME WITH EVO-SOFT HARDWARE

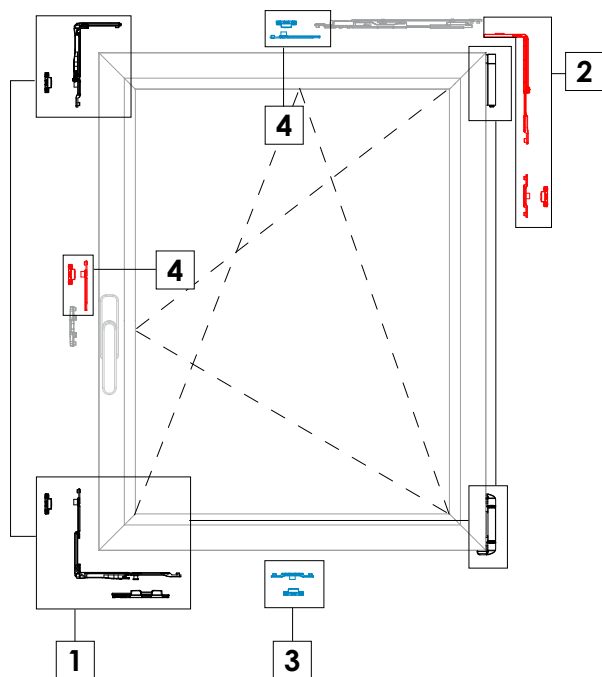
|   |                 |    |  |  |
|---|-----------------|----|--|--|
| 1 | <b>C1139</b>    | ** | <b>KIT CIERRE AL MARCO SIN CREMONA</b><br>LOCKING TO FRAME KIT WITHOUT CREMONE |  |
|   | <b>C1123</b>    | ** | <b>KIT MANIOBRA LÓGICA SIN CREMONA</b><br>TILT-BEFORE-TURN KIT WITHOUT CREMONE |  |
| 2 | <b>A112103C</b> |    | <b>KIT ÁNGULO DE REENVÍO SUPLEMENTARIO</b><br>SUPPLEMENTARY CORNER DRIVE KIT   |  |
| 3 | <b>113003C</b>  |    | <b>KIT PUNTO DE CIERRE INTERMEDIO</b><br>INTERMEDIATE LOCKING POINT KIT        |  |
| 4 | <b>113004C</b>  |    | <b>KIT PUNTO DE CIERRE TERMINAL</b><br>TERMINAL LOCKING POINT KIT              |  |

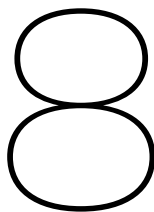
■ **KIT BASE C1139\*\* | C1123\*\***  
BASE KIT C1139\*\* | C1123\*\*

■ **H > 1200 mm**

■ **L > 1200 mm**

■ **COMPÁS Y CREMONA**  
FRICTIONS STAY & CREMONE





## Oscilobatiente Tilt & Turn

Kit base oscilobatiente cierre al marco  
Tilt & turn locking to frame base kit

Kit base oscilobatiente maniobra lógica  
Tilt-before-turn base kit

Accesorios  
Accessories

Configuraciones oscilobatientes  
Tilt & turn configurations



El herraje de seguridad se caracteriza por tener setas de seguridad con regulación de apriete y cerraderos anti-efracción que mejoran la eficacia protegiendo contra el forzamiento, el robo y la rotura.

El sistema EVO-Security es válido para maniobra lógica y cierre al marco Canal Europeo.

Permite múltiples configuraciones de cierre pudiendo añadir hasta 14 puntos de cierre.

The security hardware is characterised by having mushroom security cams that can be adjusted for tightness and anti-fraction locks that improve efficiency against forced entry, theft and breakage.

The EVO-Security system can be used for tilt-before-turn and Eurogroove locking to frame.

It allows for multiple locking configurations and up to 14 locking points can be added.



SETA DE SEGURIDAD  
MUSHROOM  
SECURITY CAM

ÁNGULOS DE REENVÍO incorporan puntos de cierre Security con seta de seguridad.  
CORNER DRIVES  
Security locking points are incorporated with mushroom security cams



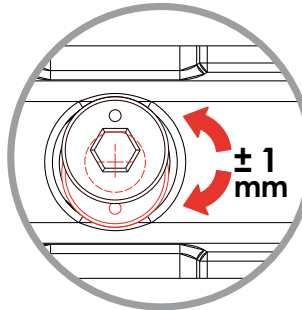
PUNTO DE CIERRE TERMINAL  
Especialmente diseñado para conectar con ángulo de reenvío, compás y fundas de transmisión.

TERMINAL LOCKING POINT  
Especially designed to connect the return angle, friction stay and transmission slips.



PUNTO DE CIERRE INTERMEDIO  
Permite intercalar todos los puntos de cierre que se necesiten en configuraciones de ventana de grandes dimensiones.

INTERMEDIATE LOCKING POINT  
It allows for the insertion of locking points that are needed for window configurations in large sizes..



REGULACIÓN MEDIANTE SETA EXCÉNTRICA  
ADJUSTMENT USING THE MUSHROOM CAM



CERRADERO DE SEGURIDAD con prisionero incorporado que premonta directamente sobre el perfil sin necesidad de mecanizados.

SECURITY STRIKER  
With an incorporated keep that is pre-assembled over the profile without having to be fabricated.



CERRADERO DE BASCULAMIENTO CIERRE AL MARCO con resbalón integrado y pre-posicionado mediante prisionero. Posibilidad de añadir tornillos rosca-chapa para mayor seguridad.

TILT STRIKER LOCKING TO FRAME

With an integrated latch and previously positioned by using a keep. Possibility of adding self tapping screws for greater security.

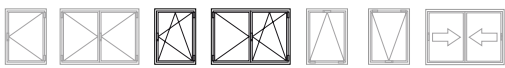


CERRADERO DE BASCULAMIENTO MANIOBRA LÓGICA

También incorpora resbalón integrado y prisionero para el pre-posicionado. Posibilidad de añadir rosca-chapa para mayor seguridad.

TILT STRIKER TILT-BEFORE-TURN

It also comes with an integrated latch and keep for prior positioning. Possibility of adding a self tapping screw for greater security.



# KIT BASE OSCILOBATIENTE CON HERRAJE EVO-SECURITY

## TILT & TURN BASE KIT WITH EVO-SECURITY HARDWARE

Kits for tilt & turn openings locking to frame with EVO-SECURITY security hardware.

### TECHNICAL CHARACTERISTICS

- The kits are supplied with corner drives with mushroom-shaped locking points, special strikers that add security to the hardware and hinges with horizontal and vertical adjustment.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

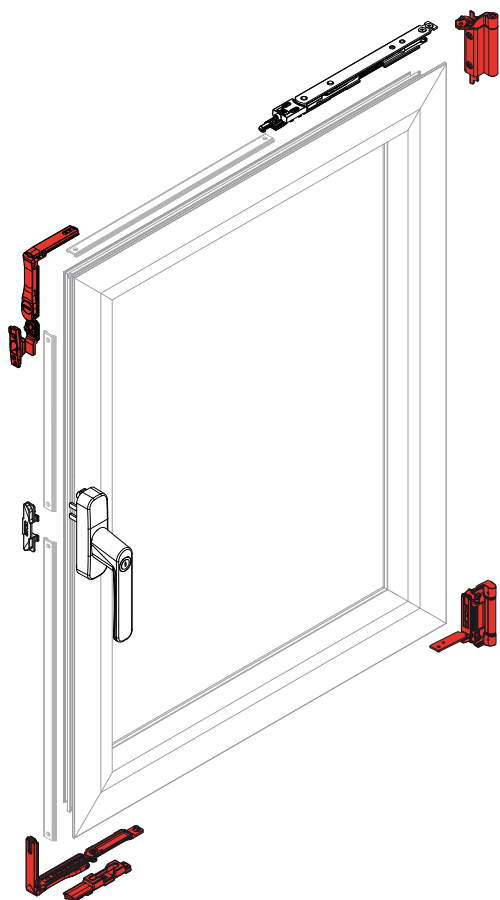
Friction stays not included. See compatible friction stays on page 134.

Kits para aperturas oscilobatientes de cierre al marco con herraje de seguridad EVO-SECURITY.

### CARACTERÍSTICAS TÉCNICAS

- Los kits vienen provistos de ángulos de reenvío con puntos de cierre en forma de seta, con cerraderos especiales que aportan un plus de seguridad al herraje y bisagras con regulación vertical y horizontal.
- Posibilidad de añadir múltiples puntos de cierre de seguridad.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

Compases no incluidos. Consulte compases compatibles en la página 134.



### CIERRE AL MARCO SIN CREMONA

#### LOCKING TO FRAME WITHOUT CREMONE



S1139 \*\*



### CIERRE AL MARCO CON CREMONA LYRA

#### LOCKING TO FRAME WITH LYRA CREMONE



S1132 \*\*



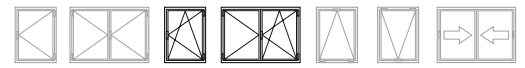
### CIERRE AL MARCO CON CREMONA SIRIUS

#### LOCKING TO FRAME WITH SIRIUS CREMONE



S1132 \*\* S





MANIOBRA LÓGICA SIN CREMONA  
TILT-BEFORE-TURN WITHOUT CREMONE

S1123 \*\*

16



Kit para aperturas oscilobatientes de con maniobra lógica con herraje de seguridad EVO-SECURITY.

**CARACTERÍSTICAS TÉCNICAS**

- El kit viene provisto de ángulos de reenvío con puntos de cierre en forma de seta, con cerraderos especiales que aportan un plus de seguridad al herraje y bisagras con regulación vertical y horizontal.
- Posibilidad de añadir múltiples puntos de cierre de seguridad.
- Los elementos deslizantes incorporan un clip para eliminar holguras.
- Tornillería y piezas metálicas de acero inoxidable.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

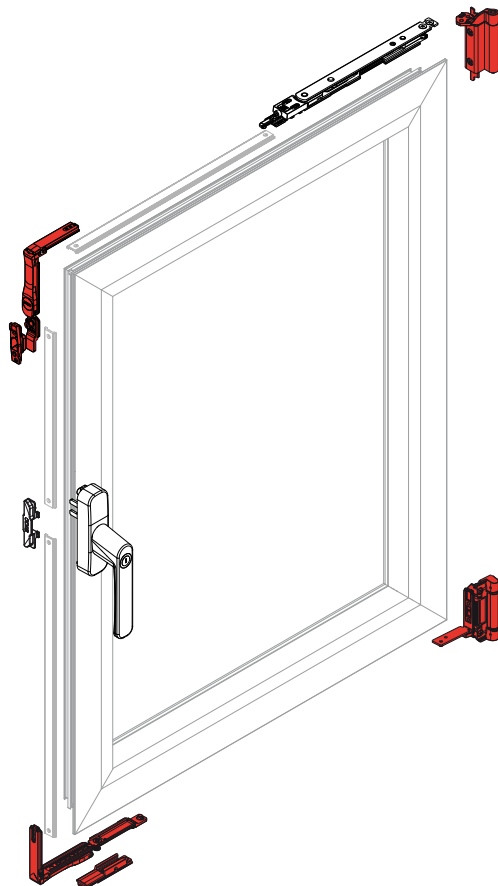
**Compases no incluidos. Consulte compases compatibles en la página 134 .**

Kit for tilt & turn openings with tilt-before-turn operation with EVO-SECURITY security hardware.

**TECHNICAL CHARACTERISTICS**

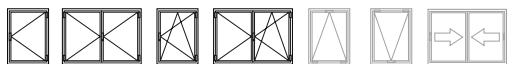
- The kit is supplied with corner drives with mushroom-shaped locking points, special strikers that add security to the hardware and hinges with horizontal and vertical adjustment.
- Possibility of fitting multiple locking points.
- The sliding parts incorporate a clip to eliminate looseness.
- Screws and metal parts made of stainless steel.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).

**Friction stays not included. See compatible friction stays on page 134.**



SETA Y CERRADERO DE SEGURIDAD  
MUSHROOM CAM WITH SECURITY STRIKER





KIT PUNTO DE CIERRE TERMINAL  
TERMINAL LOCKING POINT KIT

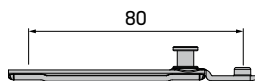
KIT PUNTO DE CIERRE INTERMEDIO  
INTERMEDIATE LOCKING POINT KIT

113004S



ZM Inx

Ac



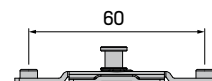
DESCUENTO DISCOUNT 80 mm

113005S



ZM Inx

Ac



DESCUENTO DISCOUNT 40 mm

PUNTO DE CIERRE  
LOCKING POINT

KIT ÁNGULO DE REENVÍO PRACTICABLE  
CASEMENT CORNER DRIVE KIT

0511135



ZM Inx



113420S



ZM Inx



KIT ÁNGULO DE REENVÍO SUPLEMENTARIO  
SUPPLEMENTARY CORNER DRIVE KIT

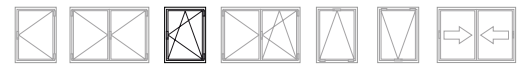
A112103S



ZM Inx

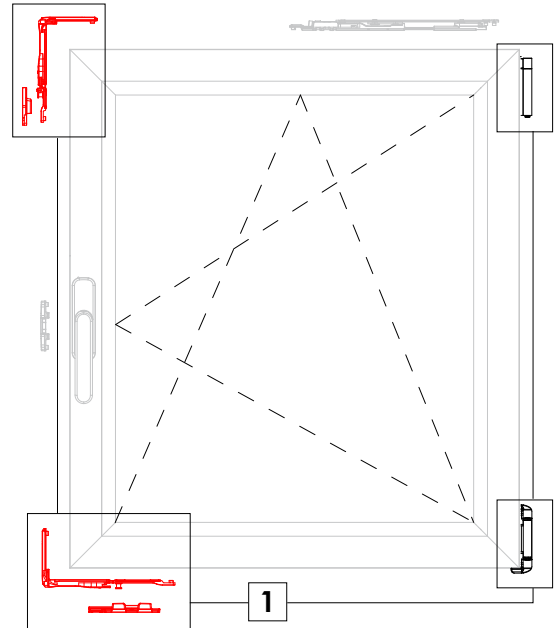
Ac





**KIT BASE OSCIOBATIENTE CON HERRAJE EVO-SECURITY**  
TILT & TURN BASE KIT WITH EVO-SECURITY HARDWARE

|   |       |    |  |    |
|---|-------|----|--|----|
| 1 | S1139 | ** | <b>KIT CIERRE AL MARCO SIN CREMONA</b><br>LOCKING TO FRAME KIT WITHOUT CREMONE | 16 |
|   | S1123 | ** | <b>KIT MANIOBRA LÓGICA SIN CREMONA</b><br>TILT-BEFORE-TURN KIT WITHOUT CREMONE |    |

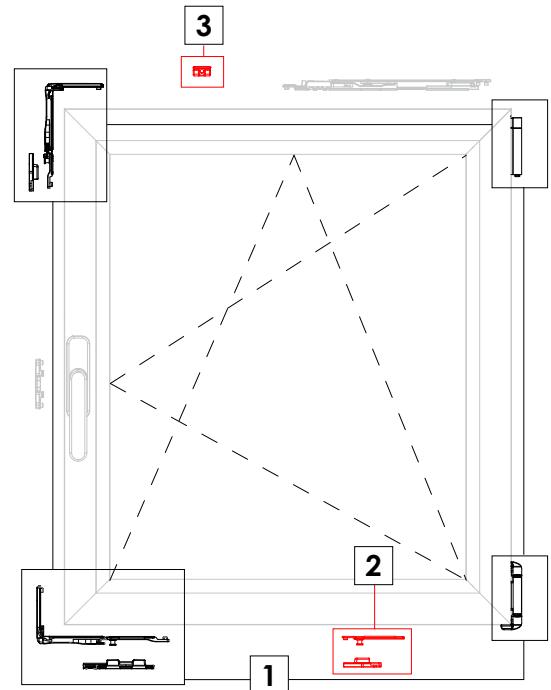


- **KIT BASE S1139\*\* | S1123\*\***  
BASE KIT S1139\*\* | S1123\*\*
- **PUNTOS EVO-SECURITY**  
EVO-SECURITY LOCKING POINTS
- **COMPÁS Y CREMONA**  
FRICTIONS STAY & CREMONE

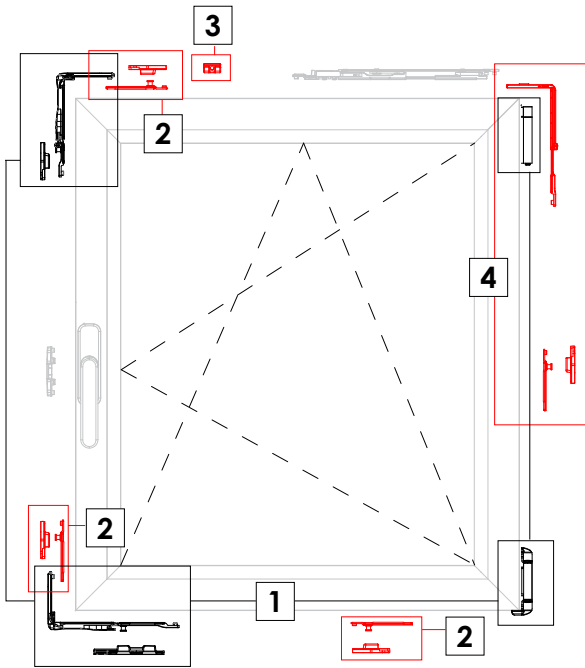
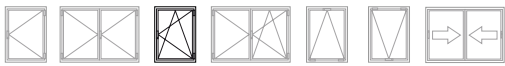


**KIT BASE OSCIOBATIENTE CON HERRAJE EVO-SECURITY**  
TILT & TURN BASE KIT WITH EVO-SECURITY HARDWARE

|   |         |    |  |     |
|---|---------|----|--|-----|
| 1 | S1139   | ** | <b>KIT CIERRE AL MARCO SIN CREMONA</b><br>LOCKING TO FRAME KIT WITHOUT CREMONE | 16  |
|   | S1123   | ** | <b>KIT MANIOBRA LÓGICA SIN CREMONA</b><br>TILT-BEFORE-TURN KIT WITHOUT CREMONE |     |
| 2 | 113004S |    | <b>KIT PUNTO DE CIERRE TERMINAL</b><br>TERMINAL LOCKING POINT KIT              | 50  |
| 3 | 0507106 |    | <b>RESBALÓN</b><br>LATCH   | 100 |



- **KIT BASE S1139\*\* | S1123\*\***  
BASE KIT S1139\*\* | S1123\*\*
- **PUNTOS EVO-SECURITY**  
EVO-SECURITY LOCKING POINTS
- **COMPÁS Y CREMONA**  
FRICTIONS STAY & CREMONE

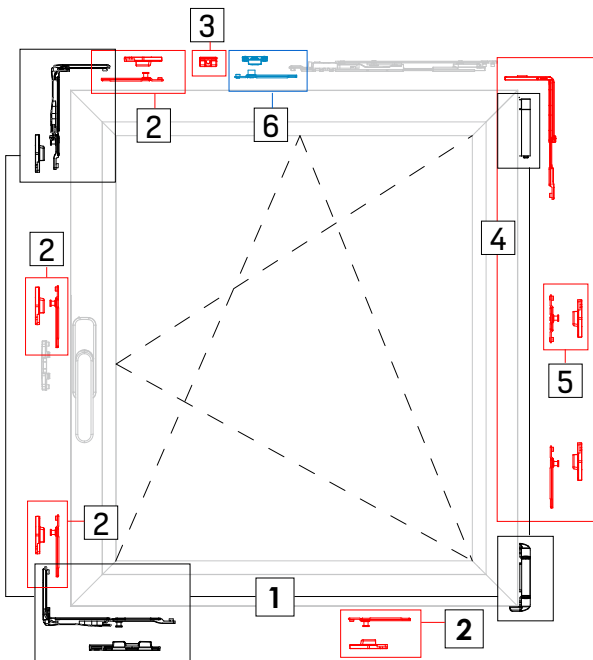


- **KIT BASE S1139\*\* | S1123\*\***  
BASE KIT S1139\*\* | S1123\*\*
- **PUNTOS EVO-SECURITY**  
EVO-SECURITY LOCKING POINTS
- **COMPÁS Y CREMONA**  
FRICTIONS STAY & CREMONE



**KIT BASE OSCIOBATIENTE CON HERRAJE EVO-SECURITY**  
TILT & TURN BASE KIT WITH EVO-SECURITY HARDWARE

|   |         |    |  |  |
|---|---------|----|--|--|
| 1 | S1139   | ** | <b>KIT CIERRE AL MARCO SIN CREMONA</b><br>LOCKING TO FRAME KIT WITHOUT CREMONE |  |
|   | S1123   | ** | <b>KIT MANIOBRA LÓGICA SIN CREMONA</b><br>TILT-BEFORE-TURN KIT WITHOUT CREMONE |  |
| 2 | 113004S |    | <b>KIT PUNTO DE CIERRE TERMINAL</b><br>TERMINAL LOCKING POINT KIT              |  |
| 3 | 0507106 |    | <b>RESBALÓN</b><br>LATCH   |  |
| 4 | 112103S |    | <b>KIT ÁNGULO DE REENVÍO SUPLEMENTARIO</b><br>SUPPLEMENTARY CORNER DRIVE KIT   |  |



- **KIT BASE S1139\*\* | S1123\*\***  
BASE KIT S1139\*\* | S1123\*\*
- **PUNTOS EVO-SECURITY**  
EVO-SECURITY LOCKING POINTS
- **COMPÁS Y CREMONA**  
FRICTIONS STAY & CREMONE
- **PUNTO DE CIERRE EVO-SOFT (L > 1000 mm)**  
EVO-SOFT LOCKING POINT (L > 1000 mm)



**KIT BASE OSCIOBATIENTE CON HERRAJE EVO-SECURITY**  
TILT & TURN BASE KIT WITH EVO-SECURITY HARDWARE

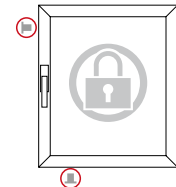
|   |         |    |   |  |
|---|---------|----|---|--|
| 1 | S1139   | ** | <b>KIT CIERRE AL MARCO SIN CREMONA</b><br>LOCKING TO FRAME KIT WITHOUT CREMONE      |  |
|   | S1123   | ** | <b>KIT MANIOBRA LÓGICA SIN CREMONA</b><br>TILT-BEFORE-TURN KIT WITHOUT CREMONE      |  |
| 2 | 113004S |    | <b>KIT PUNTO DE CIERRE TERMINAL</b><br>TERMINAL LOCKING POINT KIT                   |  |
| 3 | 0507106 |    | <b>RESBALÓN</b><br>LATCH  |  |
| 4 | 112103S |    | <b>KIT ÁNGULO DE REENVÍO SUPLEMENTARIO</b><br>SUPPLEMENTARY CORNER DRIVE KIT        |  |
| 5 | 113005S |    | <b>KIT PUNTO DE CIERRE INTERMEDIO</b><br>INTERMEDIATE LOCKING POINT KIT             |  |
| 6 | 113004C |    | <b>KIT PUNTO DE CIERRE TERMINAL EVO-SOFT</b><br>EVO-SOFT TERMINAL LOCKING POINT KIT |  |

VIVIENDA UNIFAMILIAR FAMILY HOME

**S1**

**Protección frente al ladrón oportunista y sin experiencia y frente a sencillos actos vandálicos con fuerza física y sin uso de herramientas.**

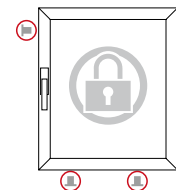
Protection from an inexperienced and opportunist thief and from simple acts of vandalism using physical force and non-use of tools.



**S2**

**Protección eficaz contra delincuentes ocasionales equipados con herramientas de palanca y que no saben bien lo que pretenden conseguir. Generalmente no se arriesgan si pasan más de 3 minutos intentando forzar las ventanas.**

Efficient protection from chance delinquents equipped with lever tools who are not sure what they will achieve. Generally they will not risk more than 3 minutes of trying to force the windows.

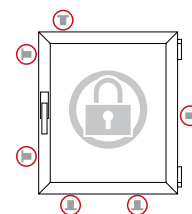


EDIFICIOS COMERCIALES Y PÚBLICOS BUSINESS AND PUBLIC BUILDINGS

**S3**

**Protección avanzada contra delincuentes con experiencia equipados con destornilladores de grandes dimensiones y cuñas, que saben exactamente lo que quieren conseguir. Momento de ataque planificado y tiempos de ataque altos: hasta 15 minutos.**

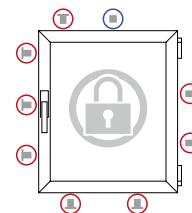
Advanced protection from experienced delinquents that are equipped with large screwdrivers and wedges and know exactly what they want to get. Planned attack moments and increased attack times of up to 15 minutes.



**S4**

**Protección avanzada con las mismas características que la S3 pero en ventanas y balconeras de grandes dimensiones.**

Advanced protection with the same characteristics as S3 but in large size windows and balconies.



Norma  
**RC2**  
(WK2)

**Esta configuración de herraje debe ser certificada conjuntamente con el vidrio y la serie en la que va montado.**

This hardware configuration must be certified jointly with the glazing and the series that is to be assembled to.

**NOTA: para una mayor seguridad se recomienda colocar el herraje EVO-SECURITY sobre fallebas de aluminio y canal de hoja simple.**

NOTE: for greater safety it is recommended to place the EVO-SECURITY hardware on aluminium operating rods and simple sash groove.

9



## Oscilobatiente Tilt & Turn

Características principales  
Main characteristics

Configuraciones oscilobatientes  
Tilt & turn configurations



Sistema EVO-Hybrid para oscilobatiente que aúna la seguridad que proporciona el herraje con setas (EVO-SECURITY) y la suavidad de accionamiento del herraje encasquillado (EVO-SOFT).

Este sistema para oscilobatiente es totalmente personalizable según el nivel de seguridad y suavidad del que se quiera dotar al cerramiento.

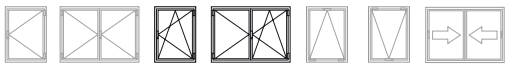
Partiendo de los kits base EVO-SOFT y EVO-SECURITY, se puede configurar el cerramiento más apropiado para cada vivienda, añadiendo los puntos de cierre adicionales que mejor se ajusten a lo que necesitamos.

EVO-Hybrid system for tilt-turn windows which improves security provided by the mushroom cam locks (EVO-SECURITY) and the smoothness of the bushed closure action (EVO-SOFT).

This system for tilt-turn windows can be fully tailored to your security needs and to the smoothness you wish to have in the closing action.

Starting from the basic kits EVO-SOFT and EVO-SECURITY, you can configure the most appropriate design for each home, adding additional locking points that best fit your needs.



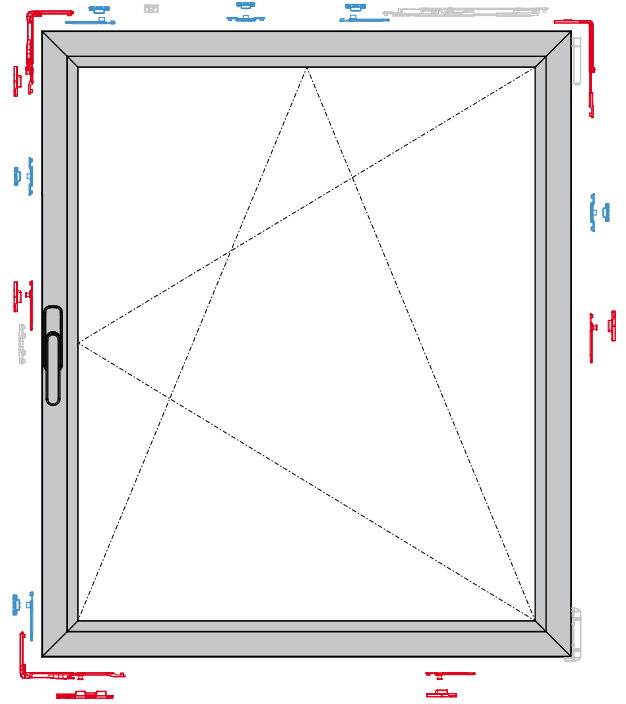


OSCILOBATIENTE EVO-HYBRID 1 HOJA  
EVO-HYBRID TILT & TURN 1 SASH

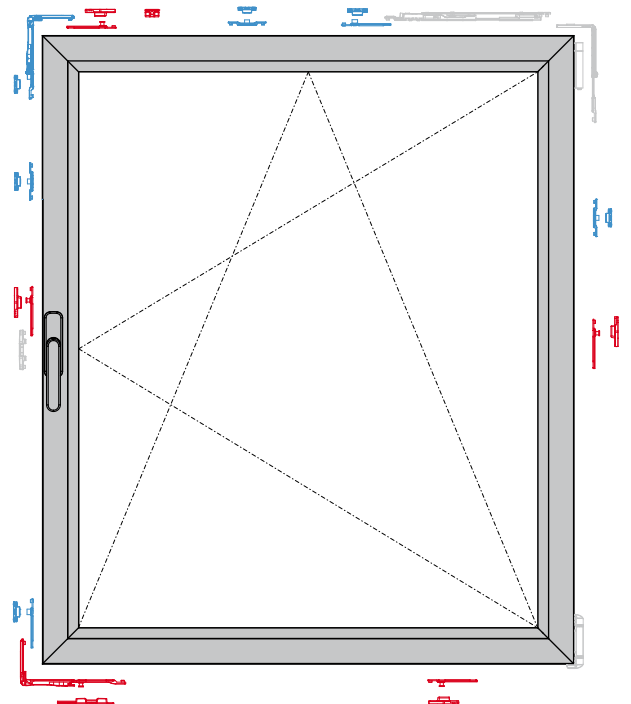
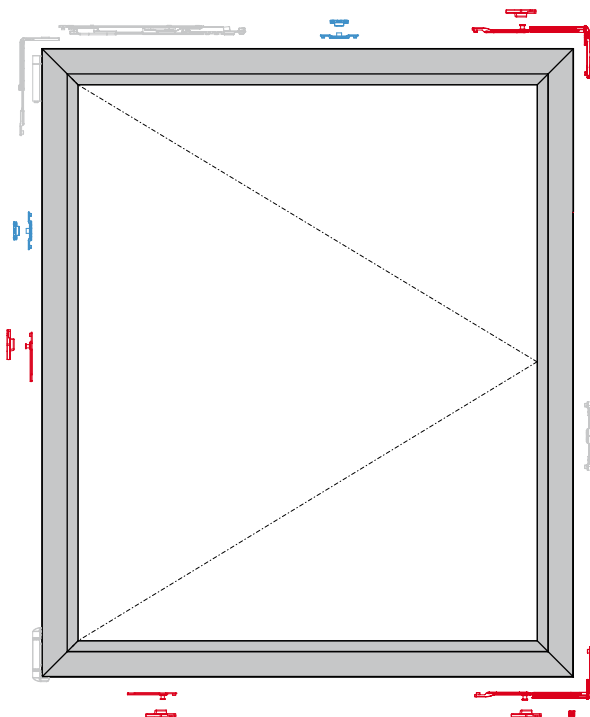
- **PUNTOS EVO-SECURITY**  
EVO-SECURITY LOCKING POINTS
- **PUNTOS DE CIERRE EVO-SOFT**  
EVO-SOFT LOCKING POINTS

Para más información, todas las configuraciones EVO-Hybrid están recogidas en los catálogos técnicos STAC.

For more information, all EVO-Hybrid configurations are detailed in the STAC technical catalogues.



OSCILOBATIENTE EVO-HYBRID 2 HOJAS  
EVO-HYBRID TILT & TURN 2 SASHES







# 10

## Complementos Accessories

Secuenciador de maniobra lógica

Tilt-before-turn sequencer

Secuenciador de puerta oscilo

Tilt & turn door sequencer

Puntos de cierre

Locking points

Remaches

Rivets

Resbalones

Latches

Cerradero regulable universal

Universal adjustable striker

Microventilación regulable

Adjustable micro ventilation

Configuraciones con microventilación

Micro ventilation configurations

Compás limitador con retención

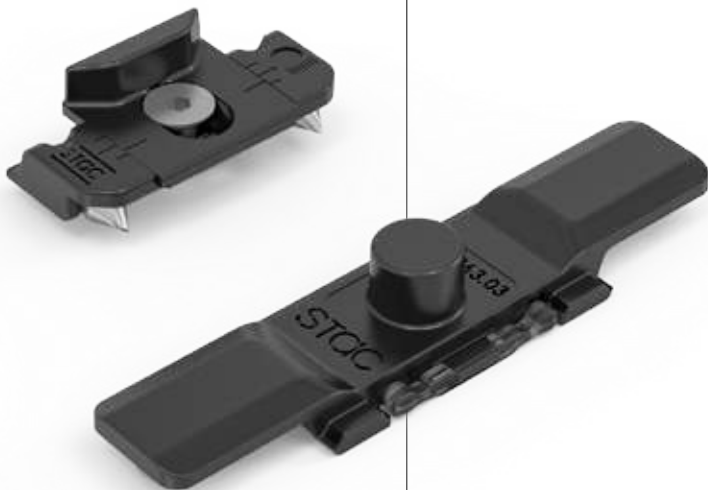
Limiting retaining friction stay

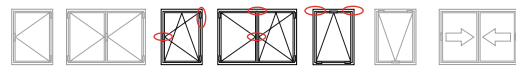
Cajas de transmisión

Gearboxes

Configuraciones con caja de transmisión

Gearbox configurations





110220



Zn INX

PP



Dispositivo para la limitación de aperturas oscilobatientes y practicables.

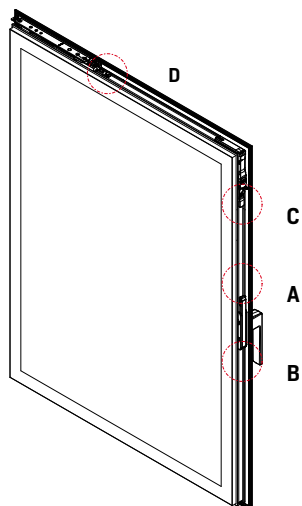
### CARACTERÍSTICAS TÉCNICAS

- Dispositivo mecánico que limita la apertura en configuración de herraje con maniobra lógica utilizando cremonas o manillas sin llave.
- Se puede colocar en diferentes posiciones de la hoja.
- Disponible punto de cierre adicional para hojas de mayores dimensiones.
- Válido para sistemas oscilobatientes con limitación de apertura.
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina (Grado 4).

Device for limiting tilt & turn and casement openings.

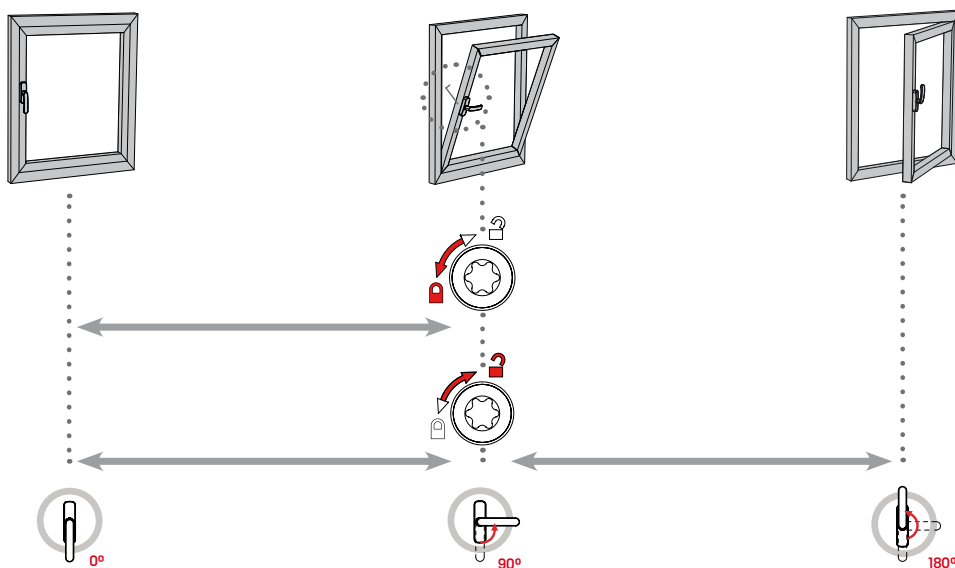
### TECHNICAL CHARACTERISTICS

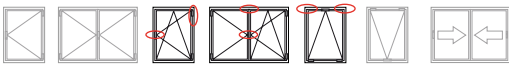
- Mechanical device that limits the opening in hardware configuration with tilt-before-turn using cremones or keyless handles.
- It can be placed in different positions on the sash.
- Additional locking point available for larger sashes.
- Valid for tilt & turn systems with opening limitation.
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber (Grade 4).



### POSICIONES DISPONIBLES AVAILABLE POSITIONS

| POS. | DESCRIPCIÓN DESCRIPTION  |
|------|--|
| A    | PARTE SUPERIOR DE LA CREMONA Ó MANILLA UPPER PART OF THE CREMONE OR HANDLE |
| B    | PARTE INFERIOR DE LA CREMONA Ó MANILLA LOWER PART OF THE CREMONE OR HANDLE |
| C    | ACOPLADO AL ÁNGULO DE REENVÍO COUPLED TO THE CORNER DRIVE                  |
| D    | POSICIÓN DE SEGURIDAD SECURITY POSITION                                    |





Mechanical device that allows the blocking with cylinder in tilt & turn system openings.

Dispositivo mecánico que permite el bloqueo con cilindro en sistemas de aperturas oscilobatientes.

**TECHNICAL CHARACTERISTICS**

- Device that allows a european cylinder locking system to be added to the STAC tilt & turn systems.
- Allows the use of a double handle in tilt & turn systems.
- Allows internal blocking or blocking on both sides.
- Valid for European cam cylinder 15 [cylinder not included].
- Parts treated in zamak to guarantee resistance to corrosion according to UNE-EN 1670: 240 hours in a salt spray chamber [Grade 4].

**CARACTERÍSTICAS TÉCNICAS**

- Dispositivo que permite añadir un sistema de bloqueo con cilindro europeo a los sistemas oscilo STAC.
- Permite el uso de doble manilla en sistemas de oscilo.
- Permite realizar un bloqueo interior o bloqueo a ambos lados.
- Válido para cilindro europeo de leva 15 [cilindro no incluido].
- Piezas tratadas en zamak para garantizar resistencia a la corrosión según norma UNE-EN 1670: 240 horas en cámara de niebla salina [Grado 4].



ZM INX

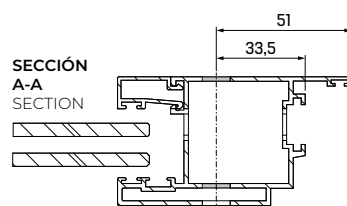
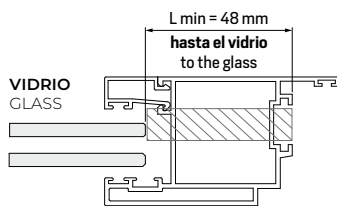
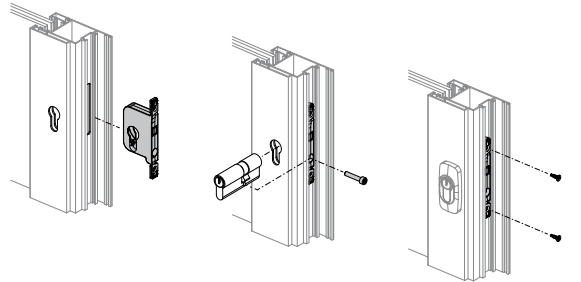
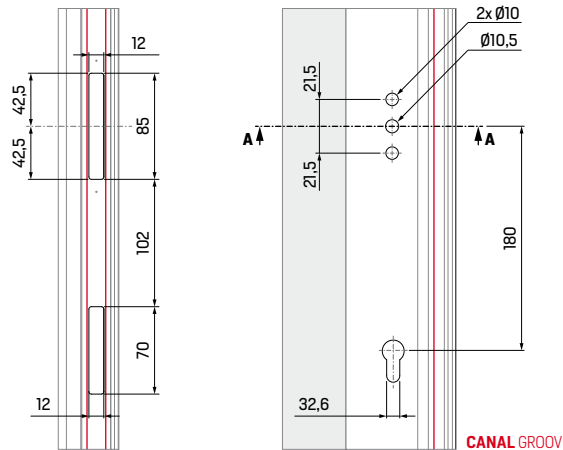
PA



PH 2

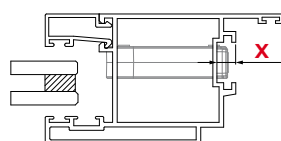
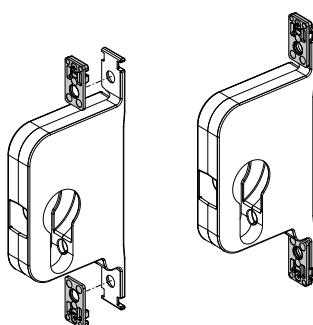
ALLEN 4

110230

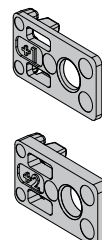


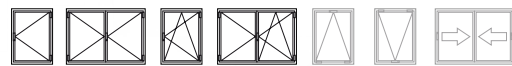
The sequencer is only valid for profiles complying with L min  
**El secuenciador es sólo válido para perfiles que cumplan L min**

The locking rod must be installed from the top of the profile  
**La pletina de bloqueo se instala desde la parte superior del perfil**



| X           | SHIM CALZO |
|-------------|------------|
| 5 - 6 mm    | -          |
| 6,1 - 7 mm  | +1 mm      |
| 7,1 - 10 mm | +2 mm      |



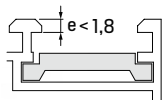


PUNTO DE CIERRE DE INVERSOR  
INVERTER LOCKING POINT

110210



ZM INX



Elemento de inversor para punto de cierre con regulación de apriete.  
Inverter element for locking point with tightening adjustment.

Recomendado para espesores de pestaña menores de 1,8 mm.  
Recommended for flange thickness less than 1,8 mm.

PUNTO DE CIERRE REGULABLE  
ADJUSTABLE LOCKING POINT



ZM INX



110200



Elemento de marco para punto de cierre con regulación de apriete.  
Frame element for locking point with tightening adjustment.

PUNTO DE CIERRE OCULTO  
HIDDEN LOCKING POINT

112500



ZM INX

Punto de cierre suplementario para hojas de apertura practicable.  
Se sitúa entre las dos bisagras y se recomienda su uso a partir de 1200 mm de altura de la hoja.

Supplementary locking point for casement openings. It is placed between the two hinges and it is recommended to use it from 1200 mm of height of the sash.

KIT PUNTO DE CIERRE SUPLEMENTARIO  
SUPPLEMENTARY LOCKING POINT KIT



ZM INX



113000IM

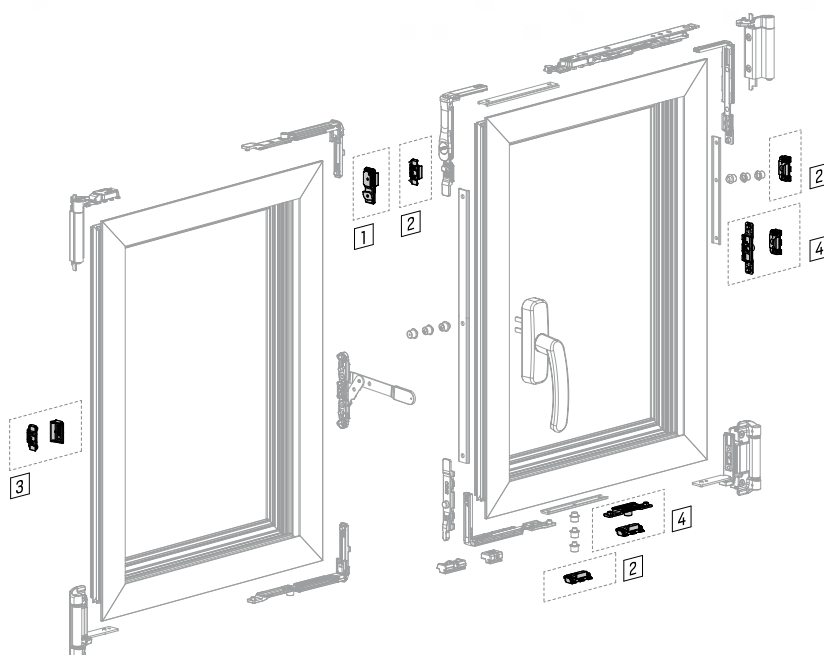


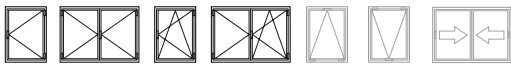
Kit compuesto por un cerradero regulable y un punto de cierre deslizador que funcionan como punto de cierre suplementario.

Kit consisting of an adjustable locking point and a sliding locking point which works as an supplementary locking point.

REFERENCIA  
REFERENCE

|   |         |
|---|---------|
| 1 | 110210  |
| 2 | 110200  |
| 3 | 112500  |
| 4 | 11300IM |





Locking point rivets

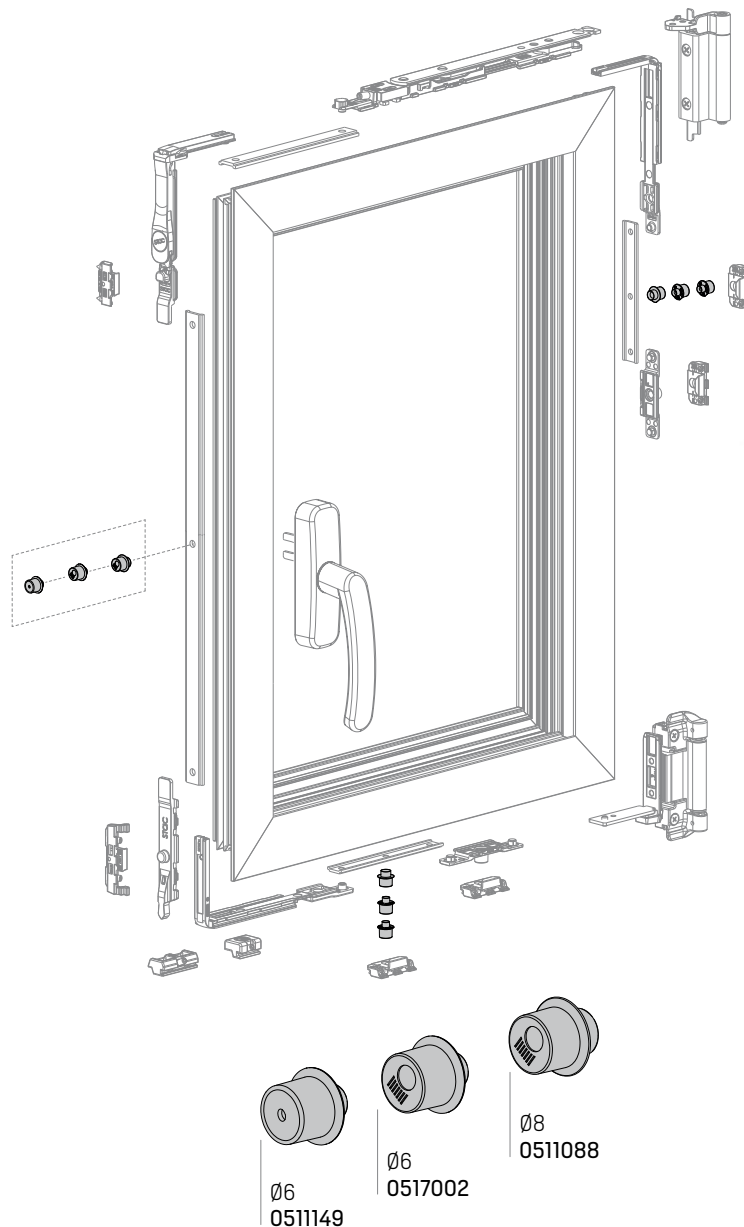
**TECHNICAL CHARACTERISTICS**

- They allow to obtain a locking point in whatever point where the operating rod passes through without having to cut it.
- They allow to replace the transmission cover, in this way the cremone lever works directly on the locking points.
- They can be riveted with the STAC operating rod punch tools.

Remaches puntos de cierre

**CARACTERÍSTICAS TÉCNICAS**

- Permiten obtener un punto de cierre en cualquier lugar por el que pase una falleba sin necesidad de cortarla.
- Permiten sustituir a la funda de transmisión, de esta forma la pala de la cremona actúa directamente sobre los puntos de cierre.
- Se pueden remachar con las troqueladoras de fallebas STAC.



REMACHE PUNTO DE CIERRE Ø8  
Ø8 LOCKING POINT RIVET



0511088



50  
CÁNULAS  
TUBES

REMACHE PUNTO DE CIERRE EVO-SOFT Ø6  
Ø6 LOCKING POINT RIVET EVO-SOFT



0517002



50  
CÁNULAS  
TUBES

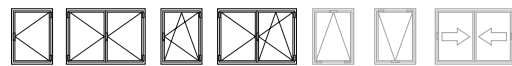
REMACHE PUNTO DE CIERRE EVO-SOFT Ø6  
Ø6 EVO-SOFT LOCKING POINT RIVET



0511149



50  
CÁNULAS  
TUBES



CONJUNTO RESBALÓN  
LATCH KIT

0710621



ZM INX

Complementos para ventanas practicables y oscilobatientes.

CARACTERÍSTICAS TÉCNICAS.

Resbalón

- Facilitan el posicionamiento de la hoja cuando se cierre la ventana.

Cerradero regulable

- Elemento de marco regulable en apriete. Posee ranurado antideslizamiento con el que se consigue una regulación progresiva.

Complements for casement and tilt & turn windows.

TECHNICAL CHARACTERISTICS

Latch

- They facilitate the positioning of the sash when the window is closed.

Adjustable striker

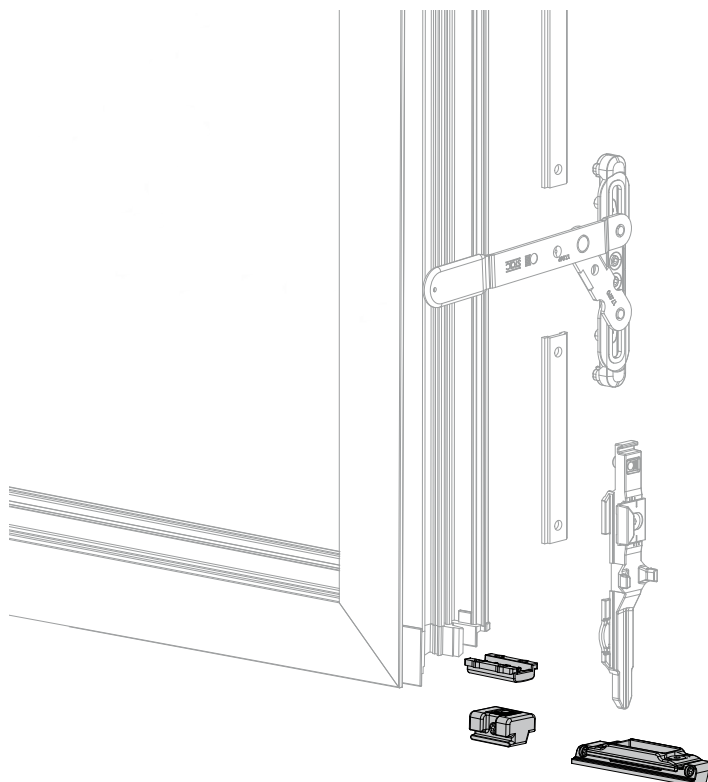
- Adjustable frame element in tightening. It has anti-slip groove with which a progressive regulation is obtained.

RESBALÓN  
LATCH

0517193



ZM INX

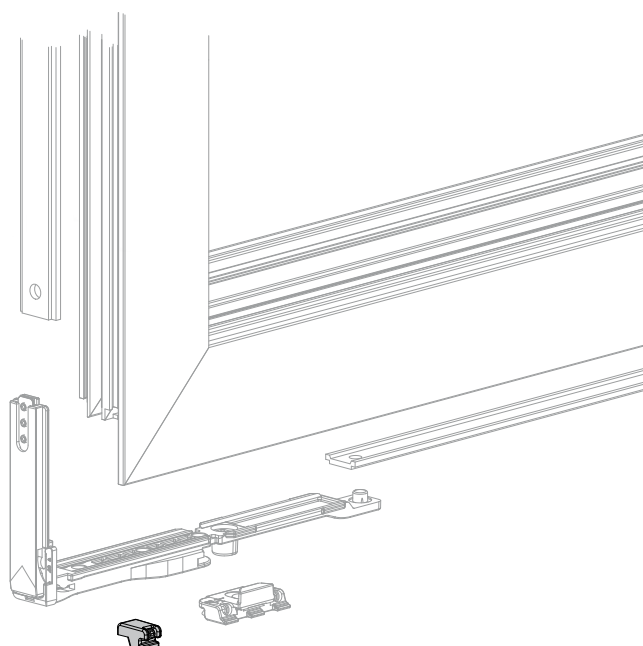


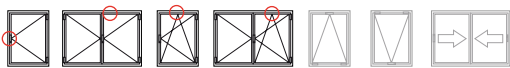
CERRADERO REGULABLE UNIVERSAL 2 HOJAS  
UNIVERSAL ADJUSTABLE STRIKER 2 SASHES

110501



ZM INX





Mechanism that allows an aeration position.

### TECHNICAL CHARACTERISTICS

- It can be applied both to tilt & turn and casement windows.
- The special striker design makes the cremone turn and the sash is positioned in such a way that it remains open between 1 & 6 mm.
- It complies with all the Technical Building Code requirements with regard to the quality of interior air.

### TESTS

- Window air permeability in micro opening position according to UNE 12207:2000.

CLASS 1

- Values obtained according to UNE-EN 1026:2000

"Windows and doors. Air permeability. Test method" by tests carried out at official body N°2242 and according to report PR110009.\*

\*Reference sample:

Double sash window 1246 x 1500 mm.

Mecanismo que permite una posición de aireación.

### CARACTERÍSTICAS TÉCNICAS

- Aplicable tanto en ventanas oscilobatientes como practicables.
- El diseño especial del cerradero hace que al girar la cremona, la hoja se posiciona de manera que quede abierta entre 1 y 6 mm.
- Cumple con todas las exigencias del Código Técnico de Edificación en cuanto a calidad del aire interior.

### ENSAYOS

- Permeabilidad al aire de la ventana en posición de microapertura según UNE 12207:2000.

CLASE 1

- Valores obtenidos según UNE-EN 1026:2000

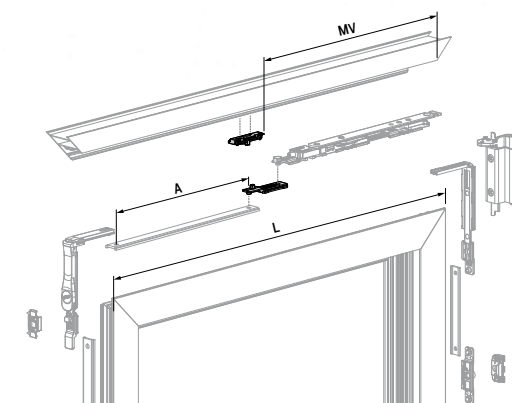
"Ventanas y puertas. Permeabilidad al aire. Método de ensayo" por ensayo realizado en organismo notificado N°2242 según número de informe PR110009.\*

\* Muestra de referencia:

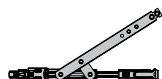
Ventana de 2 hojas 1246 x 1500 mm.



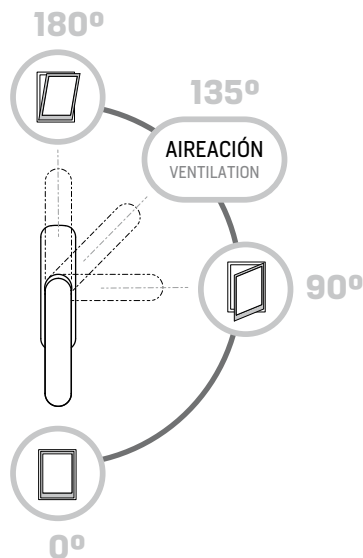
114401



### MICROVENTILACIÓN | MICRO VENTILATION



|                      |  |      |     |       |
|----------------------|--|------|-----|-------|
| 110309               | Micro  | 435  | 307 | L-360 |
| B110302              | Pequeño<br>Small   | 496  | 371 | L-424 |
| B110301              | Grande<br>Large  | 618  | 493 | L-546 |
| T110301              | Grande CLX<br>CLX Large                                  | 618  | 493 | L-546 |
| B110301 + A130301    | Grande + Suplementario<br>Large + Supplementary          | 1000 | 493 | L-646 |
| T110301 + A130301    | Grande CLX + Suplementario<br>CLX Large + Supplementary  | 1000 | 493 | L-646 |
| H1113D01             | CH180  | 590  | 446 | L-519 |
| H1113D01 + A130301   | CH180 + Suplementario<br>CH180 + Supplementary           | 950  | 446 | L-619 |
| H1213R1_L1           | CH180 PLUS + Grande<br>CH180 PLUS + Large                | 638  | 490 | L-567 |
| H1213R3_L3           | CH180 PLUS + Pequeño<br>CH180 PLUS + Small               | 553  | 406 | L-483 |
| H1213R1_L1 + A130301 | CH180 PLUS + Suplementario<br>CH180 PLUS + Supplementary | 1000 | 490 | L-667 |

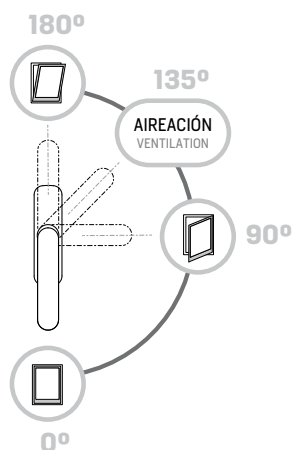




**CIERRE AL MARCO AL INVERSOR**

LOCKING TO INVERTER

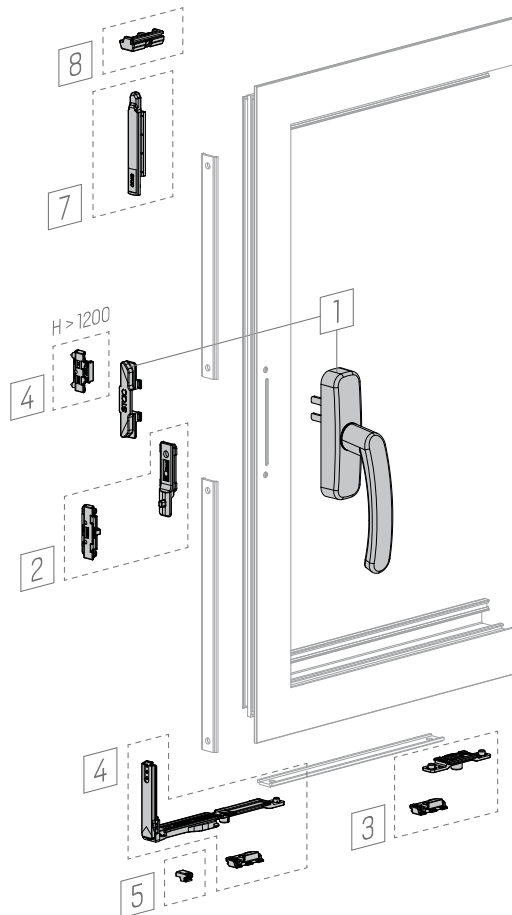
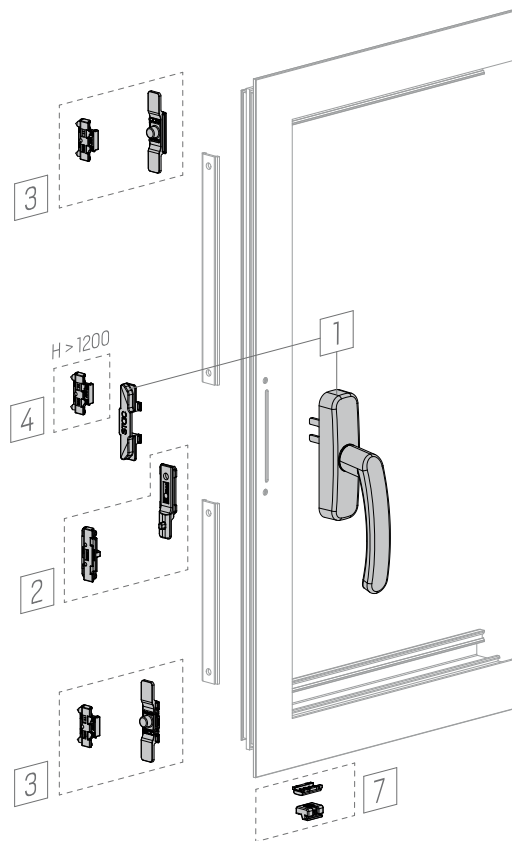
|   |  |  |  |
|---|--|--|--|
| 1 | <b>CREMONA CON FUNDA</b><br>CREMONE WITH COVER |  |  |
| 2 | <b>114401</b>                                  | <b>MICROVENTILACIÓN REGULABLE</b><br>ADJUSTABLE MICRO VENTILATION          |  |
| 3 | <b>113000IM</b>                                | <b>KIT PUNTO DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKIN POINT KIT |  |
| 4 | <b>110200</b>                                  | <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT               |  |
| 5 | <b>0710621</b>                                 | <b>CONJUNTO RESBALÓN</b><br>LATCH KIT                                      |  |



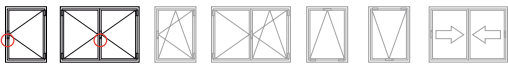
**CIERRE AL MARCO CON PUNTERO Y ÁNGULO DE REENVÍO**

LOCKING TO FRAME WITH POINTER AND CORNER DRIVE

|   |  |  |  |
|---|--|--|--|
| 1 | <b>CREMONA CON FUNDA</b><br>CREMONE WITH COVER |  |  |
| 2 | <b>114401</b>                                  | <b>MICROVENTILACIÓN REGULABLE</b><br>ADJUSTABLE MICRO VENTILATION          |  |
| 3 | <b>113000IM</b>                                | <b>KIT PUNTO DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKIN POINT KIT |  |
| 4 | <b>113420</b>                                  | <b>KIT ÁNGULO DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT     |  |
| 5 | <b>0517193</b>                                 | <b>RESBALÓN</b><br>LATCH   |  |
| 6 | <b>110200</b>                                  | <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT               |  |
| 7 | <b>07085</b>                                   | <b>PUNTERO PRACTICABLE Ø6</b><br>Ø6 CASEMENT POINTER                       |  |
| 8 | <b>0507105</b>                                 | <b>CERRADERO UNIVERSAL</b><br>UNIVERSAL STRIKER                            |  |





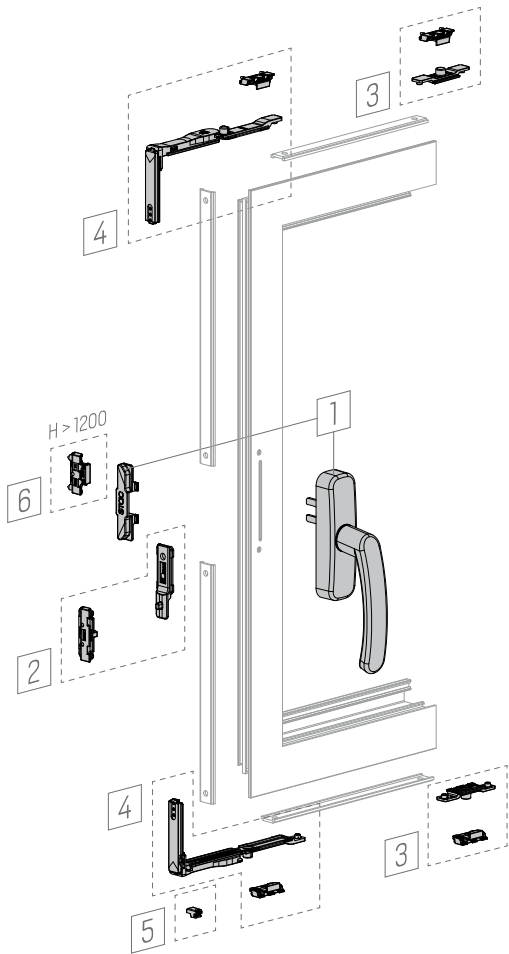


# MICROVENTILACIÓN PARA PRACTICABLE CON FUNDA DE TRANSMISIÓN

## MICRO VENTILATION FOR CASEMENT WITH TRANSMISSION COVER

### CIERRE AL MARCO CON 2 ÁNGULOS DE REENVÍO (1 HOJA)

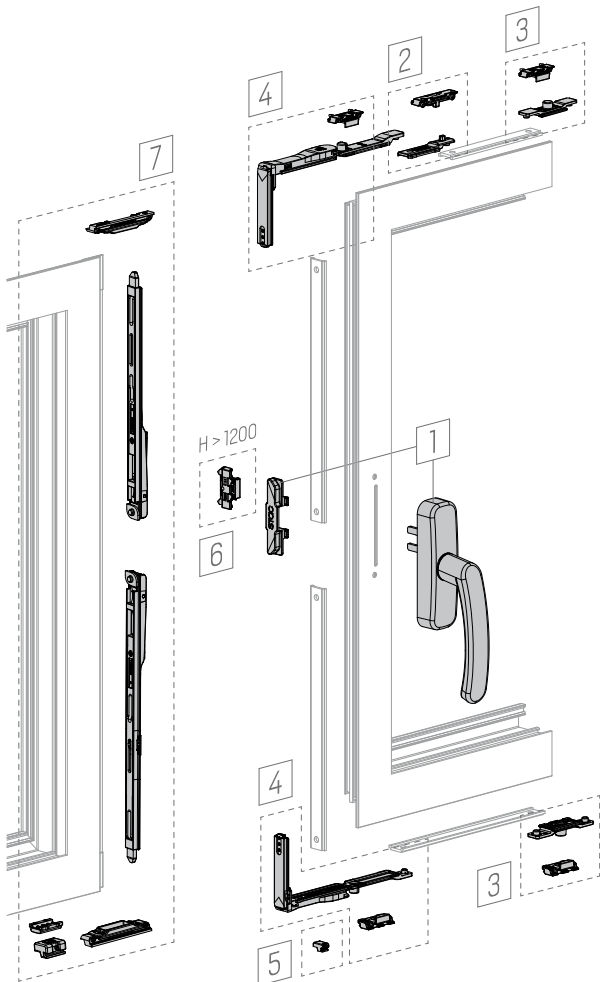
LOCKING TO FRAME WITH 2 CORNER DRIVE (1 SASH)



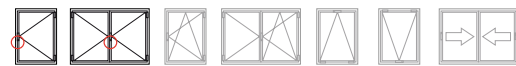
|   |   |  |  |
|---|---|--|--|
| 1 | <b>CREMONA CON FUNDA</b><br>CREMONE WITH COVER  |  |  |
| 2 | <b>114401</b> <b>MICROVENTILACIÓN REGULABLE</b><br>ADJUSTABLE MICRO VENTILATION             |  |  |
| 3 | <b>113000IM</b> <b>KIT PUNTO DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKING POINT KIT |  |  |
| 4 | <b>113420</b> <b>KIT ÁNGULO DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT        |  |  |
| 5 | <b>0517193</b> <b>RESBALÓN</b><br>LATCH   |  |  |
| 6 | <b>110200</b> <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT                  |  |  |

### CIERRE AL MARCO CON 2 ÁNGULOS DE REENVÍO (2 HOJAS)

LOCKING TO FRAME WITH 2 CORNER DRIVE (2 SASHES)



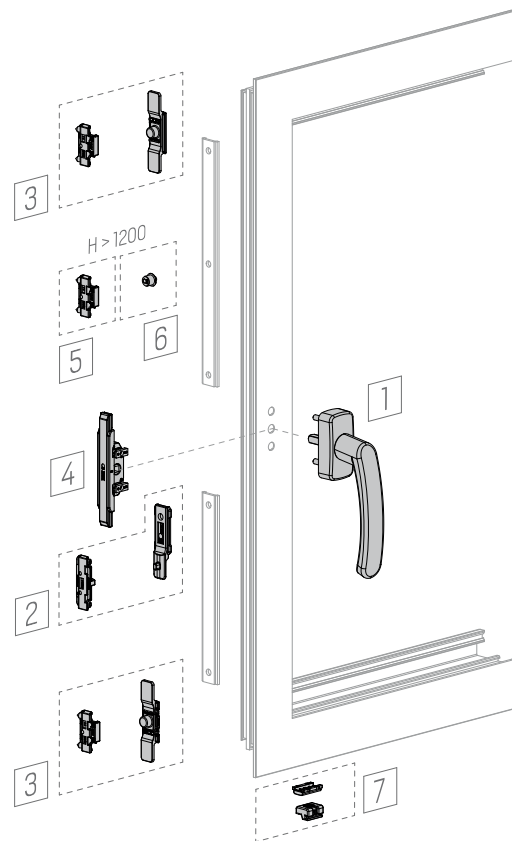
|   |   |  |  |
|---|---|--|--|
| 1 | <b>CREMONA CON FUNDA</b><br>CREMONE WITH COVER  |  |  |
| 2 | <b>114401</b> <b>MICROVENTILACIÓN REGULABLE</b><br>ADJUSTABLE MICRO VENTILATION             |  |  |
| 3 | <b>113000IM</b> <b>KIT PUNTO DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKING POINT KIT |  |  |
| 4 | <b>113420</b> <b>KIT ÁNGULO DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT        |  |  |
| 5 | <b>0517193</b> <b>RESBALÓN</b><br>LATCH   |  |  |
| 6 | <b>110200</b> <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT                  |  |  |
| 7 | <b>A113800</b> <b>KIT PASADORES DE PALANCA CM</b><br>SHOOTBOLT KEVER LOCKING TO FRAME KIT   |  |  |



**CIERRE AL MARCO AL INVERSOR**

LOCKING TO INVERTER

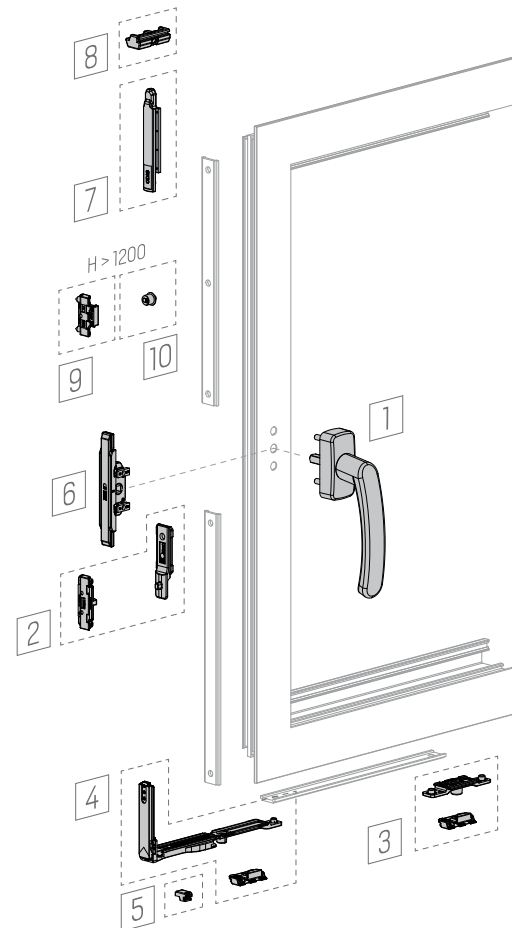
|   |                          |  |  |
|---|--------------------------|--|--|
| 1 | <b>MANILLA</b><br>HANDLE |  |  |
| 2 | <b>114401</b>            | <b>MICROVENTILACIÓN REGULABLE</b><br>ADJUSTABLE MICRO VENTILATION          |  |
| 3 | <b>113000IM</b>          | <b>KIT PUNTO DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKIN POINT KIT |  |
| 4 | <b>0507063</b>           | <b>CAJA DE TRANSMISIÓN</b><br>GEARBOX                                      |  |
| 5 | <b>110200</b>            | <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT               |  |
| 6 | <b>0517002</b>           | <b>REMACHE PUNTO DE CIERRE</b><br>RIVET LOCKING POINT                      |  |
| 7 | <b>0710621</b>           | <b>CONJUNTO RESBALÓN</b><br>LATCH KIT                                      |  |

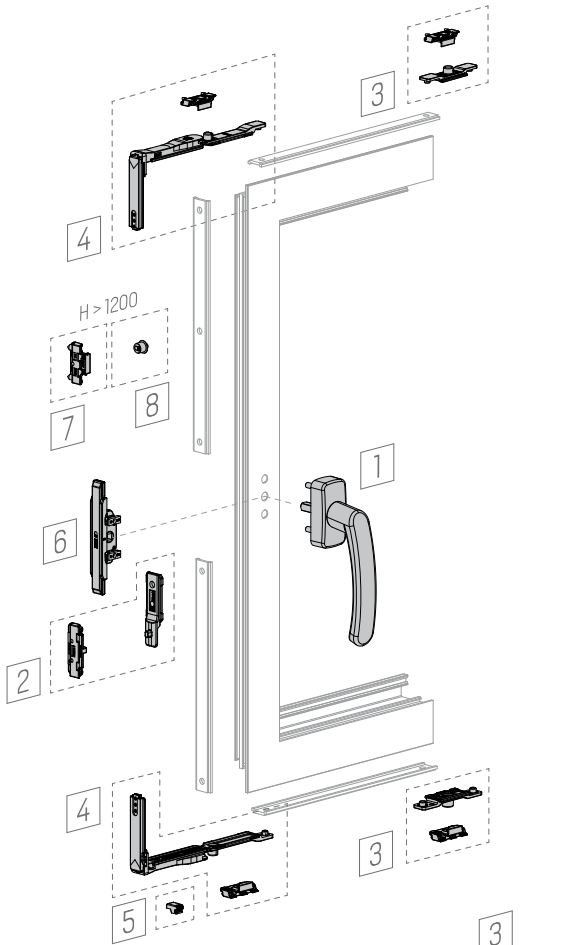
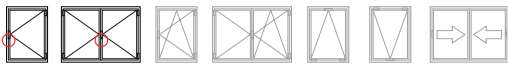


**CIERRE AL MARCO CON PUNTERO Y ÁNGULO DE REENVÍO**

LOCKING TO FRAME WITH POINTER AND CORNER DRIVE

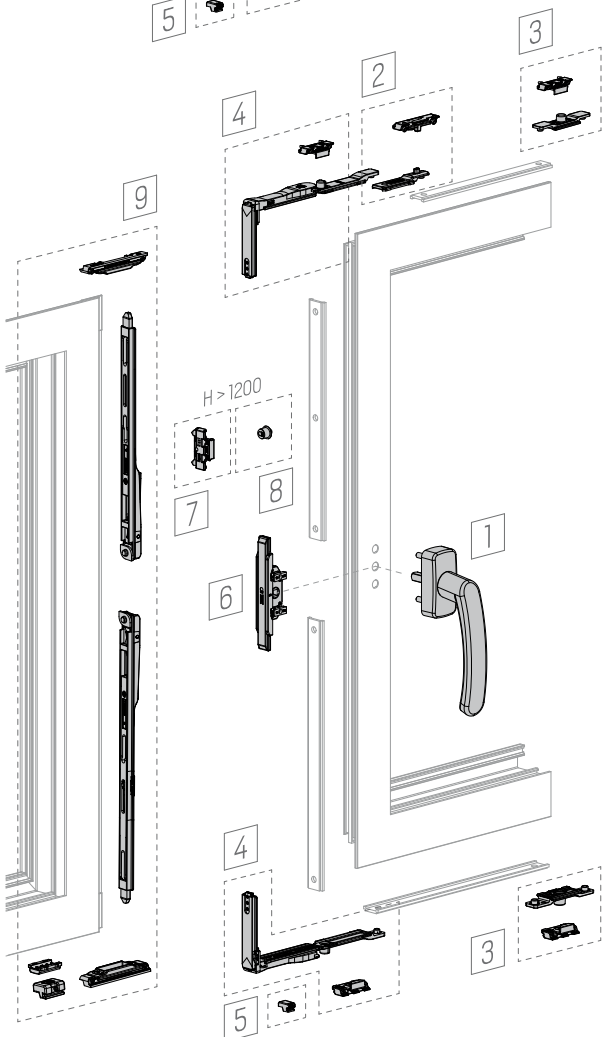
|    |                          |  |  |
|----|--------------------------|--|--|
| 1  | <b>MANILLA</b><br>HANDLE |  |  |
| 2  | <b>114401</b>            | <b>MICROVENTILACIÓN REGULABLE</b><br>ADJUSTABLE MICRO VENTILATION          |  |
| 3  | <b>113000IM</b>          | <b>KIT PUNTO DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKIN POINT KIT |  |
| 4  | <b>113420</b>            | <b>KIT ÁNGULO DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT     |  |
| 5  | <b>0517193</b>           | <b>RESBALÓN</b><br>LATCH   |  |
| 6  | <b>0507063</b>           | <b>CAJA DE TRANSMISIÓN</b><br>GEARBOX                                      |  |
| 7  | <b>07085</b>             | <b>PUNTERO PRACTICABLE Ø6</b><br>Ø6 CASEMENT POINTER                       |  |
| 8  | <b>0507105</b>           | <b>CERRADERO UNIVERSAL</b><br>UNIVERSAL STRIKER                            |  |
| 9  | <b>110200</b>            | <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT               |  |
| 10 | <b>0517002</b>           | <b>REMACHE PUNTO DE CIERRE</b><br>RIVET LOCKING POINT                      |  |





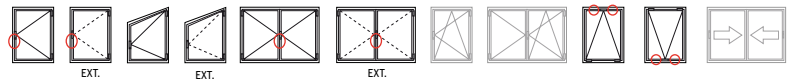
**CIERRE AL MARCO CON 2 ÁNGULO DE REENVÍO (1 HOJA)**  
LOCKING TO FRAME WITH 2 CORNER DRIVE (1 SASH)

|   |                          |   |  |
|---|--------------------------|---|--|
| 1 | <b>MANILLA</b><br>HANDLE |   |  |
| 2 | <b>114401</b>            | <b>MICROVENTILACIÓN REGULABLE</b><br>ADJUSTABLE MICRO VENTILATION           |  |
| 3 | <b>113000IM</b>          | <b>KIT PUNTO DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKING POINT KIT |  |
| 4 | <b>113420</b>            | <b>KIT ÁNGULO DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT      |  |
| 5 | <b>0517193</b>           | <b>RESBALÓN</b><br>LATCH  |  |
| 6 | <b>0507063</b>           | <b>CAJA DE TRANSMISIÓN</b><br>GEARBOX                                       |  |
| 7 | <b>110200</b>            | <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT                |  |
| 8 | <b>0517002</b>           | <b>REMACHE PUNTO DE CIERRE</b><br>RIVET LOCKING POINT                       |  |



**CIERRE AL MARCO CON 2 ÁNGULO DE REENVÍO (2 HOJAS)**  
LOCKING TO FRAME WITH 2 CORNER DRIVE (2 SASHES)

|   |                          |  |  |
|---|--------------------------|--|--|
| 1 | <b>MANILLA</b><br>HANDLE |  |  |
| 2 | <b>114401</b>            | <b>MICROVENTILACIÓN REGULABLE</b><br>ADJUSTABLE MICRO VENTILATION          |  |
| 3 | <b>113000IM</b>          | <b>KIT PUNTO DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKIN POINT KIT |  |
| 4 | <b>113420</b>            | <b>KIT ÁNGULO DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT     |  |
| 5 | <b>0517193</b>           | <b>RESBALÓN</b><br>LATCH   |  |
| 6 | <b>0507063</b>           | <b>CAJA DE TRANSMISIÓN</b><br>GEARBOX                                      |  |
| 7 | <b>110200</b>            | <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT               |  |
| 8 | <b>0517002</b>           | <b>REMACHE PUNTO DE CIERRE</b><br>RIVET LOCKING POINT                      |  |
| 9 | <b>A113800</b>           | <b>KIT PASADORES DE PALANCA CM</b><br>SHOOTBOLT KEVER LOCKING TO FRAME KIT |  |



130110



DESCUENTO DE FALLEBA = 100 mm  
OPERATING ROD DISCOUNT = 100 mm

Compás limitador que permite hacer posiciones estables de ventilación en aperturas practicables.

### CARACTERÍSTICAS TÉCNICAS

- Posición de ventilación estable mediante resorte de retención.
- Disponible apertura de uso restringido.
- Fácil regulación de la apertura de ventilación.
- Rapidez de montaje.
- Pre-montaje directo en hoja y marco.
- Posibilidad de fijación adicional por tornillos rosca-chapa.
- Múltiples posibilidades de montaje.

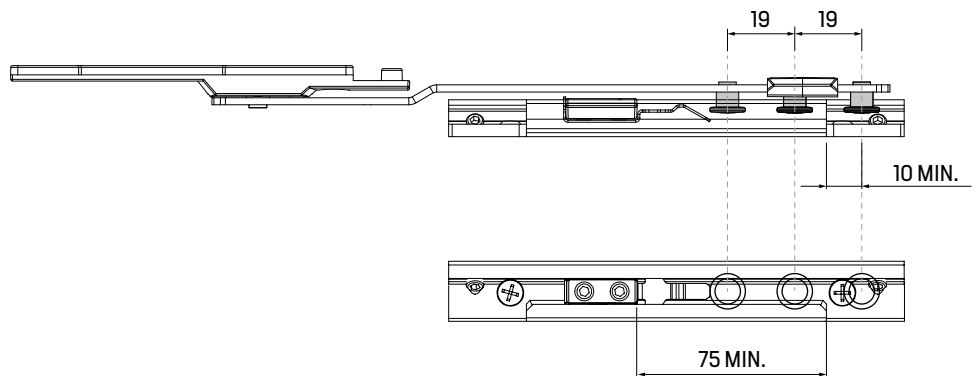
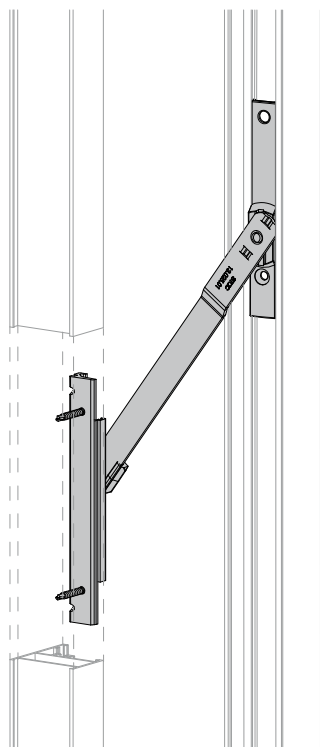
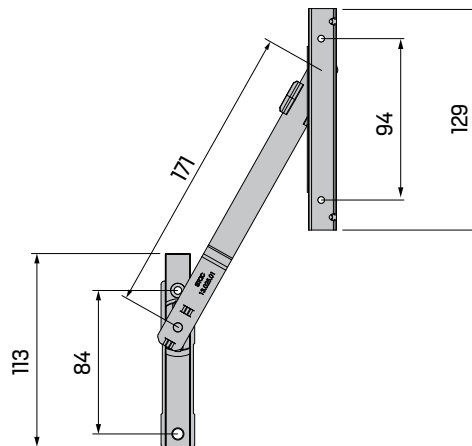
\* Ver ficha técnica.

Retaining friction stay which allows set ventilation positions in casement openings.

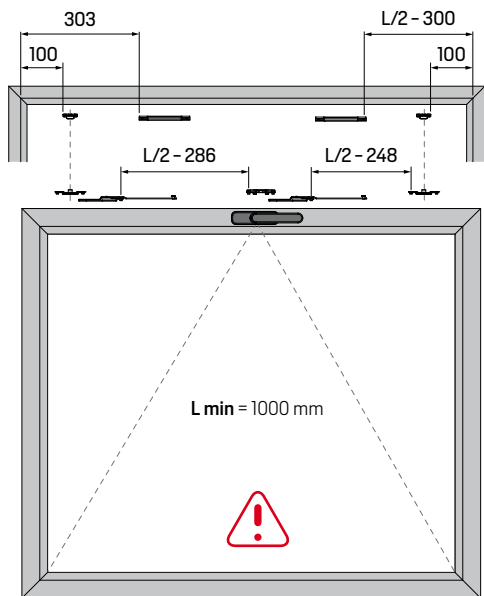
### TECHNICAL CHARACTERISTICS

- Stable ventilation position with retaining spring.
- Restricted opening available.
- Easy adjustment of ventilation opening.
- Fast assembly.
- Pre-mount directly to sash and frame.
- Possibility of additional fixation by self-tapping screws.
- Wide range of installation options.

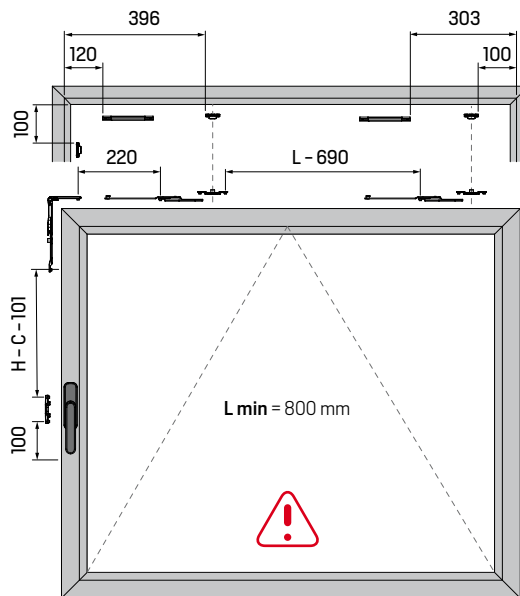
\* See technical data sheet.



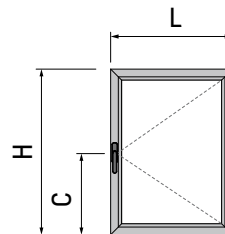
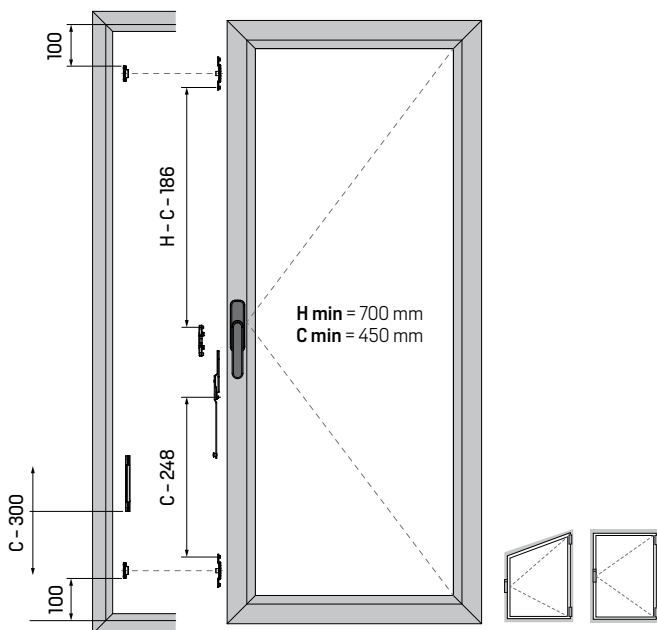
ABATIBLE BOTTOM-HUNG



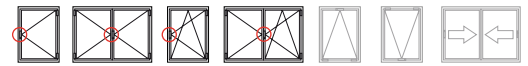
ABATIBLE (TRANSMISIÓN LATERAL)  
BOTTOM-HUNG (LATERAL TRANSMISSION)



PRACTICABLE CASEMENT



En zonas de pública concurrencia, a partir de 40 kg es obligatorio la instalación de compases limitadores por motivos de seguridad. Compases limitadores en pág. 208 - 209  
In areas of public concurrence, from 40 kg is mandatory the installation of limiting friction stays for safety reasons. Limiting friction stays on pages 208 - 209



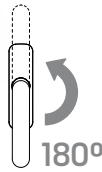
MONODIRECCIONAL AGUJA 7 mm  
ONE-WAY 7 mm BACKSET

0507063



Zm PA

7 mm



Mecanismo que a través de una manilla permite mover las fallebas y los puntos de cierre que abren la ventana.

**CARACTERÍSTICAS TÉCNICAS**

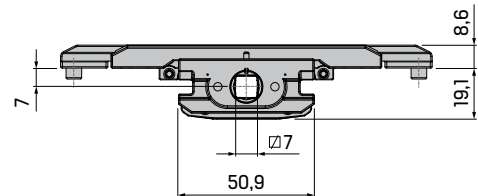
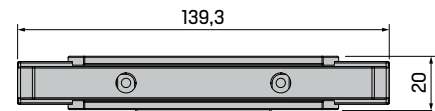
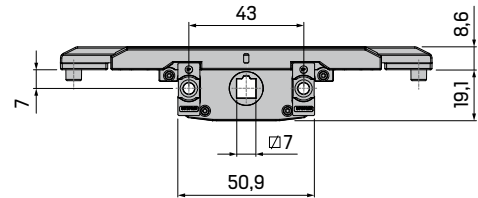
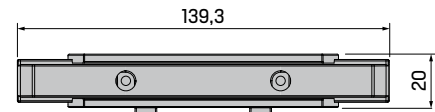
- Mecanismo monodireccional válido para herraje oscilobatiente y practicable.
- Tope para practicable que limita el giro de la manilla a 90°.
- Piezas telescópicas regulables para adaptarse a cualquier hoja.
- Fijación de la caja de transmisión al perfil mediante tornillos.

Mechanism that through a handle allows to move the operating rods and the locking points that open the window.

**TECHNICAL CHARACTERISTICS**

- One-way mechanism for tilt & turn and casement hardware.
- Stopper for casement that limits the turn of the handle to 90°.
- Adjustable telescopic pieces to adapt to any sash.
- Fixing of the gearbox to the profile by screws.

REFERENCIA REFERENCE  
0507063



MONODIRECCIONAL AGUJA 7 mm  
ONE-WAY 7 mm BACKSET

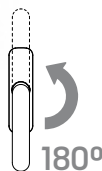
A770001



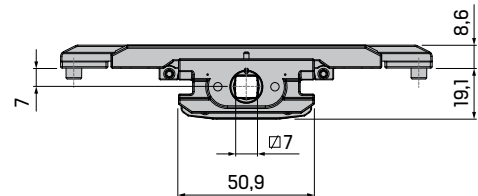
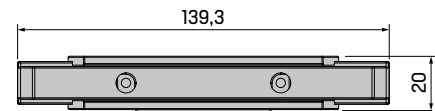
Zm PA

INX POM

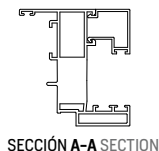
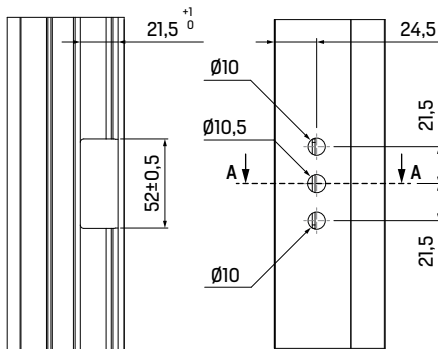
7 mm



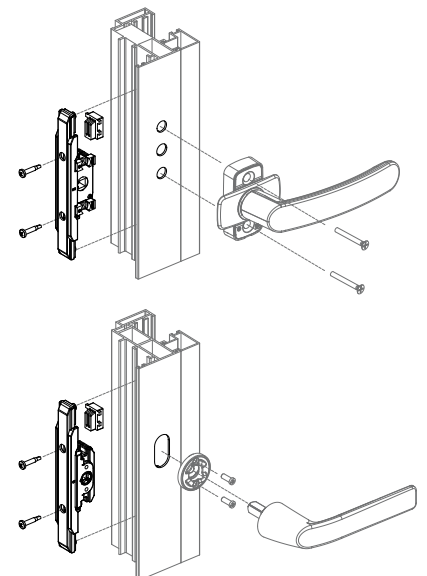
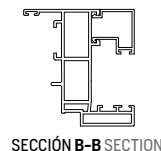
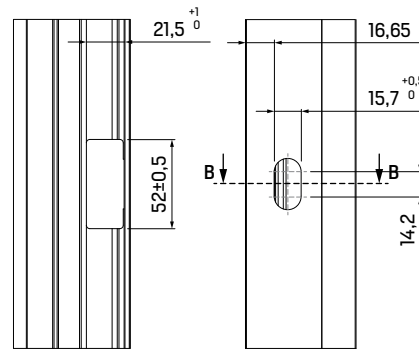
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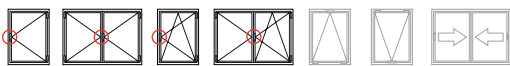


MECANIZADO PERFIL PARA MANILLA OSCILOBATIENTE  
PROFILE MACHINING FOR TILT & TURN HANDLE



MECANIZADO PERFIL PARA MANILLA MINIMALISTA  
PROFILE MACHINING FOR MINIMALIST HANDLE





Mechanism that through a handle allows to move the operating rods and the locking points that open the window.

Mecanismo que a través de una manilla permite mover las fallebas y los puntos de cierre que abren la ventana.

**TECHNICAL CHARACTERISTICS**

**CARACTERÍSTICAS TÉCNICAS**

**Reference 0507177**

- Assembled on outward opening profiles and casement opening with balcony or door profiles.

**Referencia 0507177**

- Montaje en perfiles de apertura exterior y aperturas practicables con perfiles de balconera o puerta.

**Reference 0507178**

- Assembled on balcony or door profiles in tilt & turn or casement openings with micro ventilation.

**Referencia 0507178**

- Montaje en perfiles de balconera o puerta en aperturas oscilobatientes o practicables con microventilación.

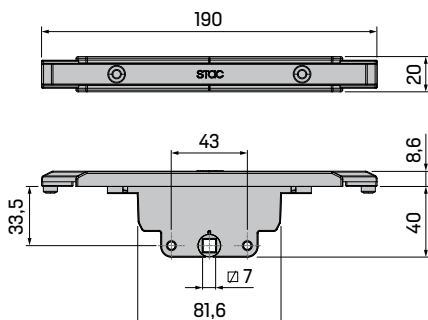
**Reference 0507248 TWO-WAY**

- Assembled on outward opening profiles and casement opening with balcony or door profiles.

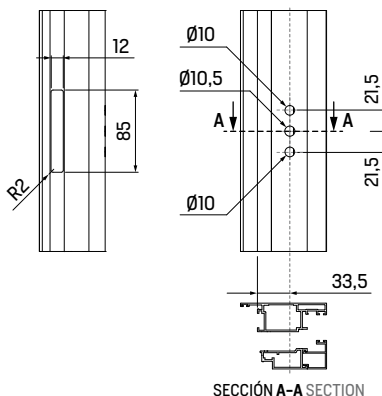
**Referencia 0507248 BIDIRECCIONAL**

- Montaje en perfiles de apertura exterior y en aperturas practicables con perfiles de balconera o puerta.

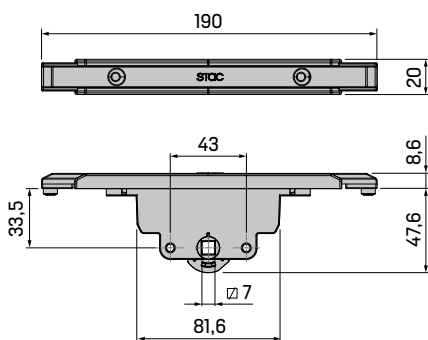
REFERENCIA REFERENCE  
**0507177**



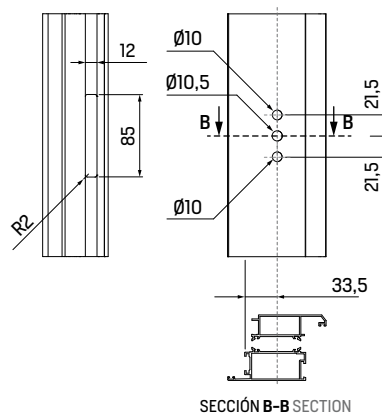
MECANIZADO PERFIL PARA APERTURA EXTERIOR  
PROFILE MACHINING FOR OUTWARD OPENING



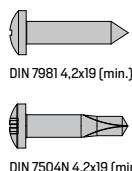
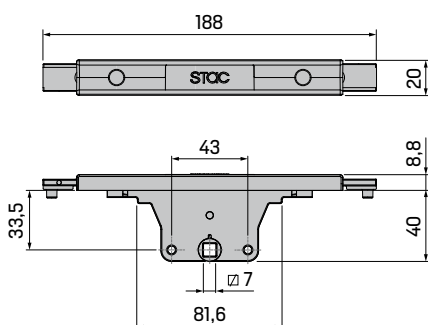
REFERENCIA REFERENCE  
**0507178**



MECANIZADO PERFIL DE BALCONERA  
BALCONY PROFILE MACHINING



REFERENCIA REFERENCE  
**0507248**

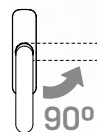


MONODIRECCIONAL AGUJA 33,5 mm  
ONE-WAY 33,5 mm BACKSET



0507177

ZM

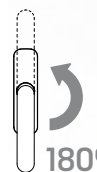


MONODIRECCIONAL AGUJA 33,5 mm  
ONE-WAY 33,5 mm BACKSET



0507178

ZM

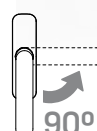


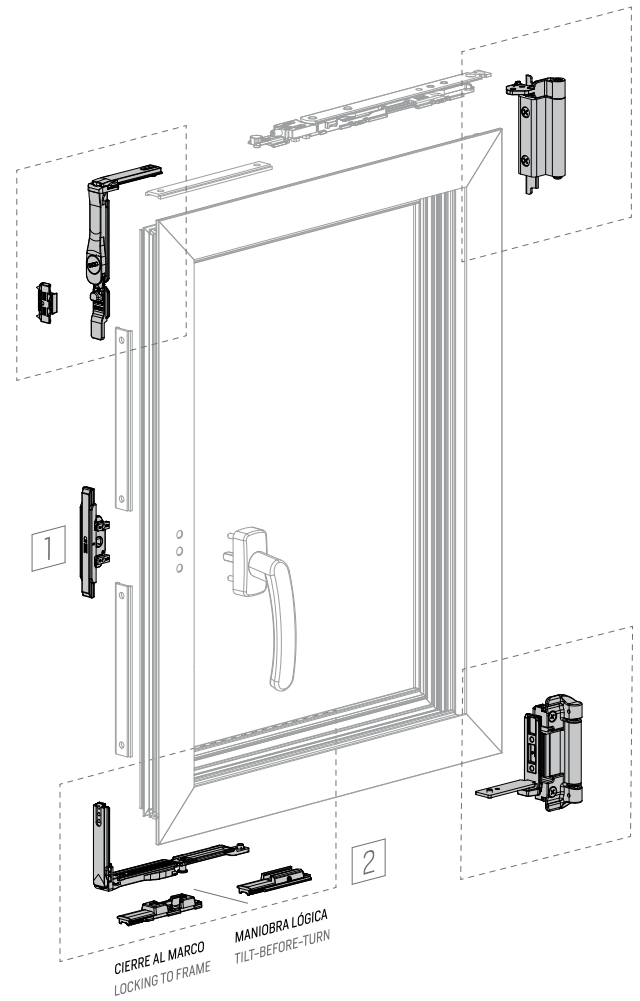
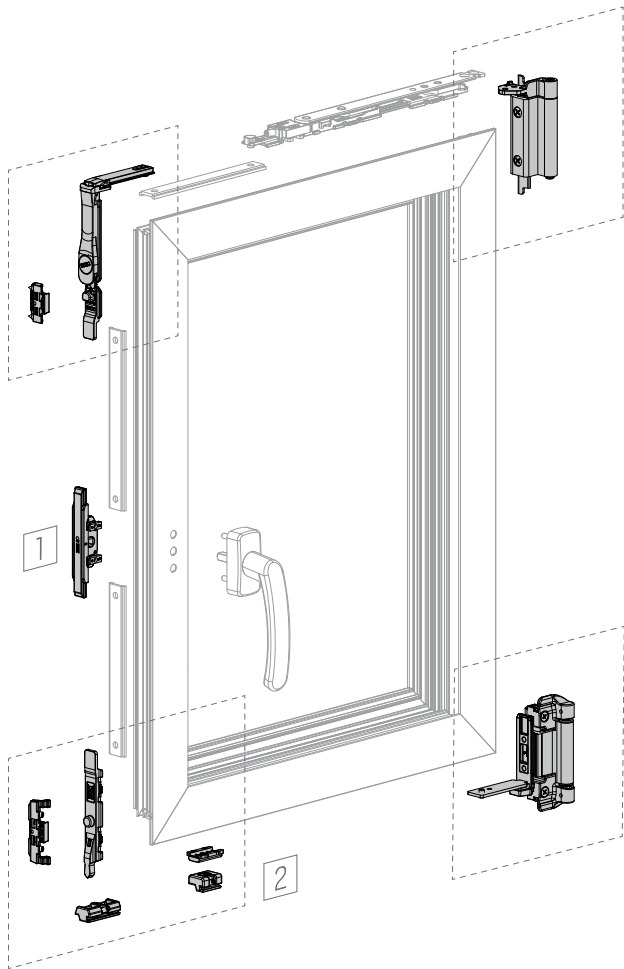
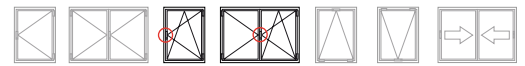
BIDIRECCIONAL AGUJA 33,5 mm  
TWO-WAY 33,5 mm BACKSET



0507248

ZM





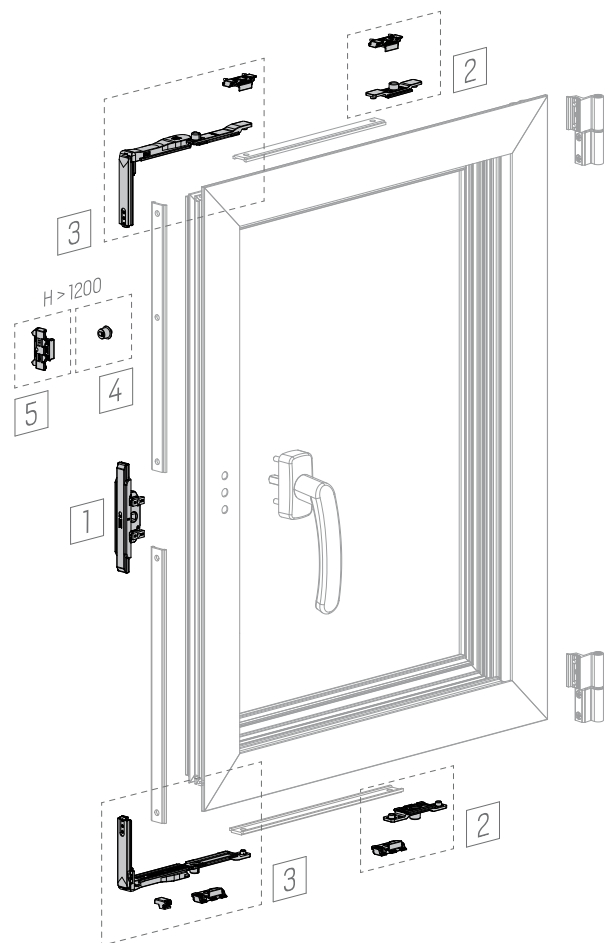
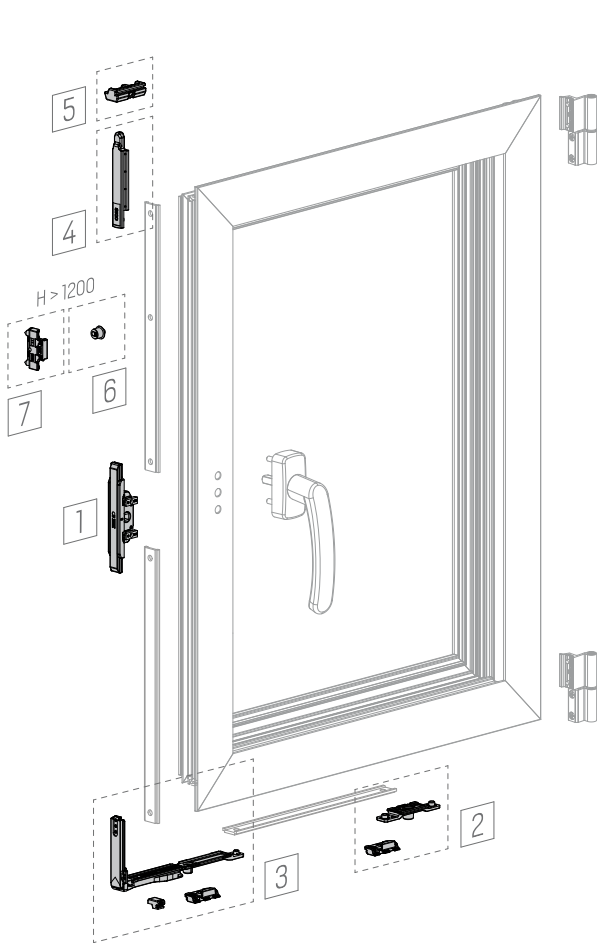
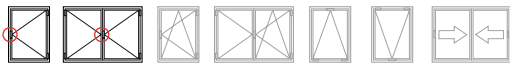
**OSCIOBATIENTE CIERRE AL INVERSOR**  
TILT & TURN LOCKING TO INVERTER

|   |                |  |  |
|---|----------------|--|--|
| 1 | <b>0507063</b> | <b>CAJA DE TRANSMISIÓN</b><br>GEARBOX  |  |
| 2 | <b>A1133</b>   | <b>**</b><br><b>KIT BASE OSCIOBATIENTE</b><br><b>CIERRE AL INVERSOR</b><br>TILT & TURN BASE KIT<br>LOCKING TO INVERTER |  |

**OSCIOBATIENTE CIERRE AL MARCO**  
TILT & TURN LOCKING TO FRAME

|   |                |  |  |
|---|----------------|--|--|
| 1 | <b>0507063</b> | <b>CAJA DE TRANSMISIÓN</b><br>GEARBOX  |  |
| 2 | <b>A1133</b>   | <b>**</b><br><b>KIT BASE OSCIOBATIENTE</b><br><b>CIERRE AL MARCO</b><br>TILT & TURN BASE KIT<br>LOCKING TO FRAME |  |
|   | <b>A1123</b>   | <b>**</b><br><b>KIT BASE OSCIOBATIENTE</b><br><b>MANIOBRA LÓGICA</b><br>TILT & TURN BASE KIT<br>TILT-BEFORE-TURN |  |



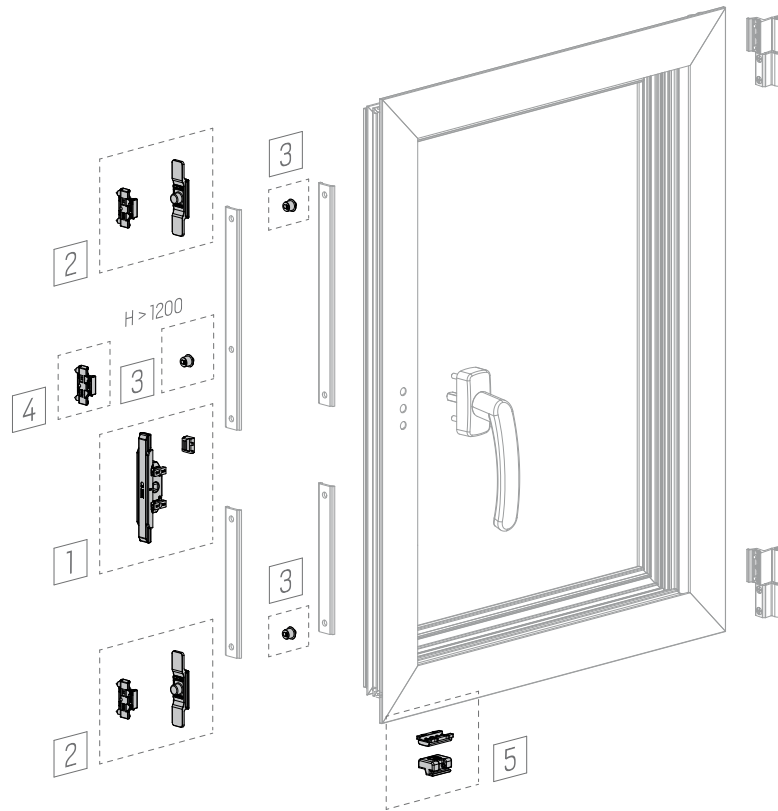
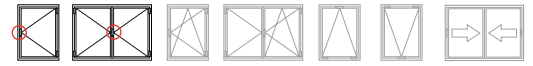


**CIERRE AL MARCO CON PUNTERO Y ÁNGULO DE REENVÍO**  
LOCKING TO FRAME WITH POINTER AND CORNER DRIVE






**CIERRE AL MARCO CON 2 ÁNGULOS DE REENVÍO**  
LOCKING TO FRAME WITH 2 CORNER DRIVE

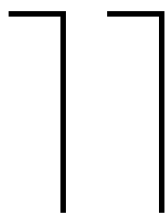
|   |                 |  |  |
|---|-----------------|--|--|
| 1 | <b>0507063</b>  | <b>CAJA DE TRANSMISIÓN</b><br>GEARBOX                                      |  |
| 2 | <b>113000IM</b> | <b>KIT PTO. DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKING POINT KIT |  |
| 3 | <b>113420</b>   | <b>KIT ÁNG. DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT       |  |
| 4 | <b>07085</b>    | <b>PUNTERO PRACTICABLE Ø6</b><br>Ø6 CASEMENT POINTER                       |  |
| 5 | <b>0507105</b>  | <b>CERRADERO UNIVERSAL</b><br>UNIVERSAL STRIKER                            |  |
| 6 | <b>0517002</b>  | <b>REMACHE PUNTO DE CIERRE</b><br>RIVET LOCKING POINT                      |  |
| 7 | <b>110200</b>   | <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT               |  |

|   |                 |  |  |
|---|-----------------|--|--|
| 1 | <b>0507063</b>  | <b>CAJA DE TRANSMISIÓN</b><br>GEARBOX                                      |  |
| 2 | <b>113000IM</b> | <b>KIT PTO. DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKING POINT KIT |  |
| 3 | <b>113420</b>   | <b>KIT ÁNG. DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT       |  |
| 4 | <b>0517002</b>  | <b>REMACHE PUNTO DE CIERRE</b><br>RIVET LOCKING POINT                      |  |
| 5 | <b>110200</b>   | <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT               |  |



**PRACTICABLE CIERRE AL INVERSOR**  
CASEMENT LOCKING TO INVERTER

|   |                 |   |   |
|---|-----------------|---|---|
| 1 | <b>0507063</b>  | <b>CAJA DE TRANSMISIÓN</b><br>GEARBOX                                       |  |
| 2 | <b>113000IM</b> | <b>KIT PUNTO DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKING POINT KIT |  |
| 3 | <b>0517002</b>  | <b>REMACHE PUNTO DE CIERRE</b><br>RIVET LOCKING POINT                       |  |
| 4 | <b>110200</b>   | <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT                |  |
| 5 | <b>0710621</b>  | <b>CONJUNTO RESBALÓN</b><br>LATCH KIT                                       |  |



# Hoja pasiva

## Passive sash

Pasador de palanca bidireccional  
Two way shootbolt lever

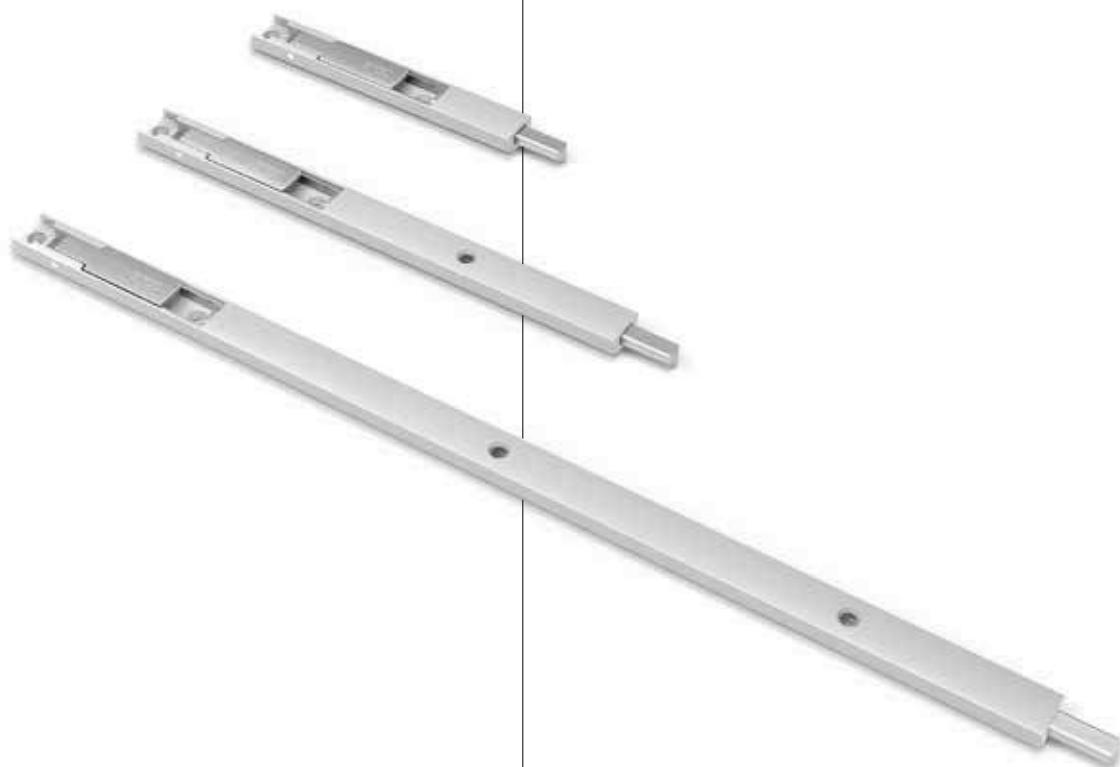
Pasadores de palanca  
Shootbolt lever

Pasadores de falleba  
Operating rod shootbolt

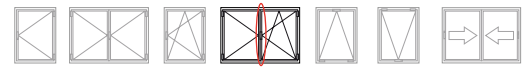
Pasadores de palanca extensibles  
Extendable shootbolt lever kit

Clip retenedor de hoja  
Sash retainer clip

Pasadores de puerta DENEb  
DENEb flush bolts



PASADOR DE PALANCA BIDIRECCIONAL OSCIOBATIENTE  
TILT-TURN TWO WAY SHOOTBOLT LEVER



PASADOR DE PALANCA CIERRE AL INVERSOR  
SHOOTBOLT LEVER LOCKING TO INVERTER

111601



Kit de cierre para la hoja pasiva de Canal Europeo mediante pasadores de palanca bidireccional

**CARACTERÍSTICAS TÉCNICAS:**

- Se compone de dos terminales conectados a una palanca mediante pletinas falleba.
- Accionando una sola palanca se abren o cierran los dos terminales de zamak.
- Los terminales de zamak incorporan puntos de cierre con regulación de apriete.
- Los punteros en acero inoxidable aportan mayor resistencia y son compatibles con los kits de cierre al marco y cierre al inversor de la hoja activa.

A locking kit for the Eurogroove passive sash using two way lever pins.

**TECHNICAL CHARACTERISTICS:**

- Comprising of two terminals connected to a lever using operating rods.
- By activating only one lever, the terminals are opened or closed.
- The Zamak terminals are incorporated with locking points that can be tightened.
- The stainless steel terminals are more resistant and are compatible with the kits for locking to the frame and locking to the inverter of the passive sash.

PASADOR DE PALANCA CIERRE AL MARCO  
SHOOTBOLT LEVER LOCKING TO FRAME

111602



PASADOR DE PALANCA BIDIRECCIONAL CON PUNTEROS ZAMAK  
TWO WAY LEVER BOLT WITH ZAMAK TIPS

REGULACIÓN DE APRIETE CON CERRADERO  
TIGHTNESS ADJUSTMENT WITH LOCK



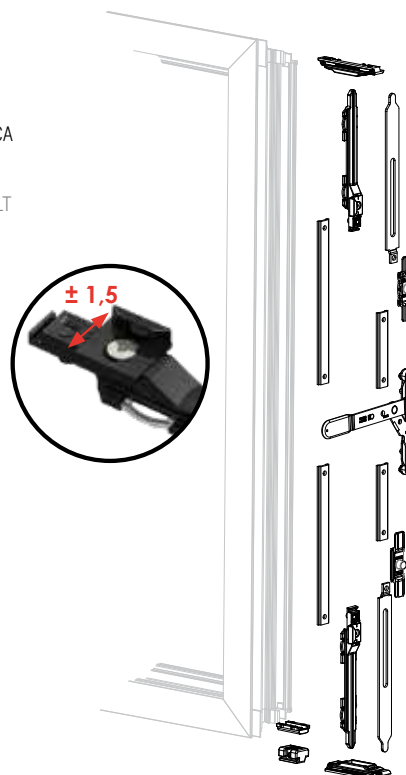
CON PUNTEROS INOX (CM y CI)  
WITH INOX TERMINALS (LOCKING TO INVERTER & FRAME)

111621



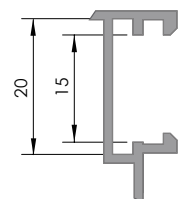
PASADOR DE PALANCA BIDIRECCIONAL CON PUNTEROS ZAMAK  
TWO WAY LEVER BOLT WITH ZAMAK TIPS

REGULACIÓN DE APRIETE CON CERRADERO  
TIGHTNESS ADJUSTMENT WITH LOCK

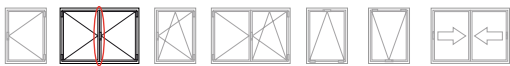


PASADOR DE PALANCA BIDIRECCIONAL CON PUNTEROS INOX  
TWO WAY LEVER BOLT WITH INOX TERMINALS

INVERSOR MARCO/HOJA  
FRAME / SASH INVERTER



EJE 10  
10 SHAFT



# PASADOR DE PALANCA BIDIRECCIONAL PRACTICABLE

## CASEMENT TWO WAY SHOOTBOLT LEVER

Locking kit for the Eurogroove passive sash using two way lever pins.

### TECHNICAL CHARACTERISTICS:

- Comprising of two terminals connected to a lever by way of operating rods.
- By activating only one lever, the terminals can be opened or closed.

Kit de cierre para la hoja pasiva de Canal Europeo mediante pasadores de palanca bidireccional

### CARACTERÍSTICAS TÉCNICAS:

- Se compone de dos terminales conectados a una palanca mediante pletinas falleba.
- Accionando una sola palanca se abren o cierran los dos terminales plásticos.

## PASADOR DE PALANCA PRACTICABLE

### CASEMENT SHOOTBOLT LEVER



071600



## PASADOR DE PALANCA CON PUNTA METÁLICA

### SHOOTBOLT LEVER WITH METALLIC TIPS



071601



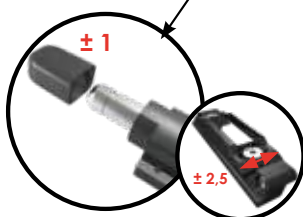
PASADOR DE PALANCA BIDIRECCIONAL CON PUNTEROS PLÁSTICOS  
TWO WAY LEVER PINS WITH PLASTIC TIPS

CERRADERO UNIVERSAL TAMBIÉN CON REGULACIÓN ADJUSTABLE  
UNIVERSAL LOCK

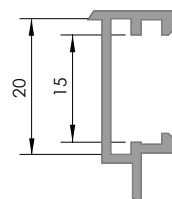


PASADOR DE PALANCA BIDIRECCIONAL CON PUNTEROS PLÁSTICOS CON PUNTA METÁLICA  
TWO WAY LEVER PIN WITH PLASTIC POINTER AND METALLIC TIPS

PERMITE REGULACIÓN ADJUSTABLE

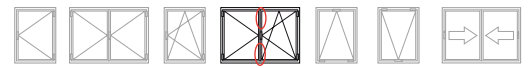


INVERSOR MARCO/HOJA  
FRAME / SASH INVERTER



EJE 10  
10 SHAFT

KIT PASADORES DE PALANCA OSCILO CIERRE INVERSOR  
TILT-TURN SHOOTBOLT LEVER KIT LOCKING TO INVERTER



A111600



H min = 665mm



Kit de cierre para la hoja pasiva mediante pasadores de palanca. Para oscilo y practicable.

**CARACTERÍSTICAS TÉCNICAS:**

- Los pasadores vienen totalmente montados y se fijan de forma rápida superponiéndolos en el perfil.
- Incorporan puntos de cierre regulables para la anti-falsa maniobra y para el terminal de la hoja activa.
- Todas las piezas de zamak están tratadas para garantizar resistencia a la corrosión de más de 250 horas de cámara de niebla salina.
- Cerraderos de marco regulables.
- Pre-posicionado mediante lágrima de acero para facilitar el correcto montaje, y fijación mediante 2 tornillos rosca-chapa.

A locking kit for the passive sash using lever pins. For tilt-turn and casement.

**TECHNICAL CHARACTERISTICS:**

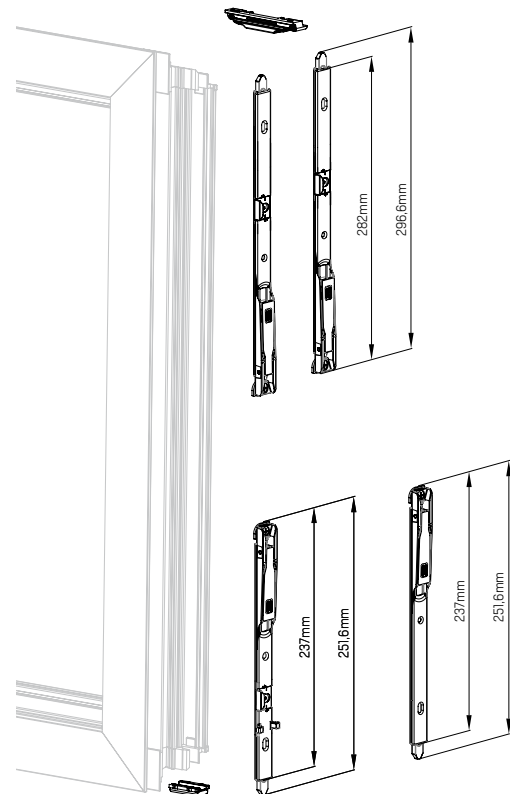
- The pins are supplied totally assembled and are quickly fixed by superimposing over the profile.
- They incorporate adjustable locking points for the false manoeuvre and for the active sash terminal.
- All the Zamak parts are treated to guarantee resistance to corrosion and have been subjected to more than 250 hours in a saline mist chamber.
- The locks are adjustable.
- Pre-positioned via steel teardrop to aid correct installation. Mounted using two sheet metal screws.

KIT PASADORES DE PALANCA CIERRE AL MARCO  
SHOOTBOLT LEVER KIT LOCKING TO FRAME

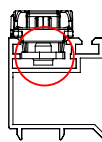
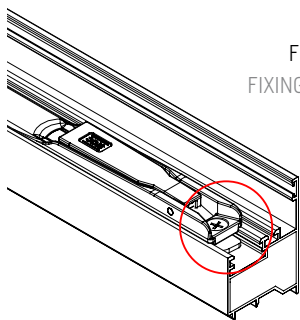
A113800



H min = 665mm

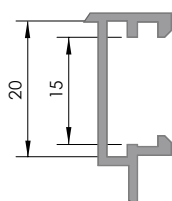


FIJACIÓN MEDIANTE LÁGRIMA  
FIXING BY MEANS OF A TEAR DROP

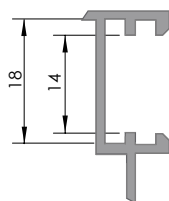


INVERSOR  
MARCO/HOJA  
FRAME / SASH  
INVERTER

INVERSOR  
MARCO/MARCO  
FRAME / FRAME  
INVERTER

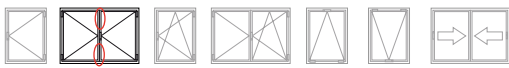


EJE 10  
10 SHAFT



EJE 10  
10 SHAFT





A locking kit for the passive sash using lever pins. For turn and casement.

**TECHNICAL CHARACTERISTICS:**

- The pins are supplied totally assembled and are quickly fixed by superimposing over the profile.
- They incorporate adjustable locking points for the false manoeuvre and for the active sash terminal.
- All the Zamak parts are treated to guarantee resistance to corrosion and have been subjected to more than 250 hours in a saline mist chamber.
- Pre-positioned via steel teardrop to aid correct installation. Mounted using two sheet metal screws.

Kit de cierre para la hoja pasiva mediante pasadores de palanca. Para practicable.

**CARACTERÍSTICAS TÉCNICAS:**

- Los pasadores vienen totalmente montados y se fijan de forma rápida superponiéndolos en el perfil.
- Incorporan puntos de cierre regulables para la falsa maniobra y para el terminal de la hoja activa.
- Todas las piezas de zamak están tratadas para garantizar resistencia a la corrosión de más de 250 horas de cámara de niebla salina.
- Cerraderos de marco regulables.
- Pre-posicionado mediante lágrima de acero para facilitar el correcto montaje, y fijación mediante 2 tornillos rosca-chapa.



A113700



KIT PASADOR DE PALANCA LARGO PRACTICABLE  
LONG SHOOTBOLT LEVER KIT CASEMENT



A112710



KIT PASADOR DE PALANCA CORTO PRACTICABLE  
SHORT SHOOTBOLT LEVER KIT CASEMENT



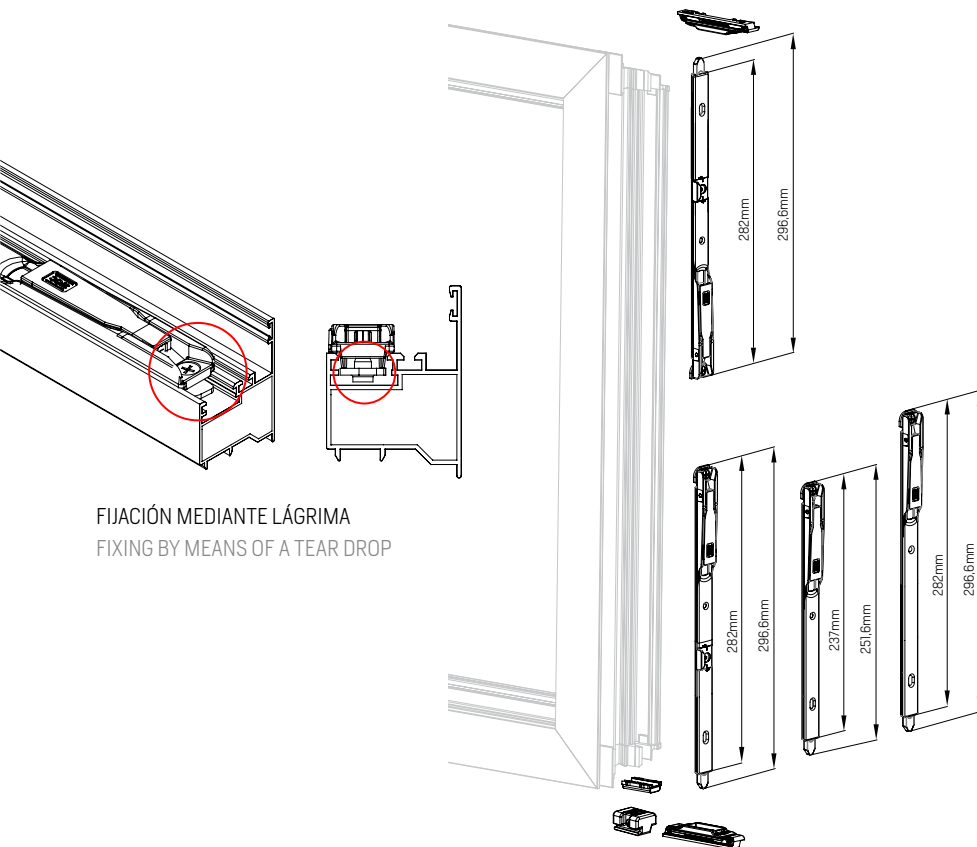
A112610



KIT PASADOR DE PALANCA LARGO PRACTICABLE CIERRE AL MARCO  
LONG SHOOT BOLT LEVER KIT CASEMENT LOCKING TO FRAME

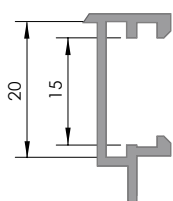


A112720



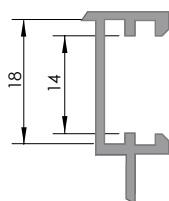
FIJACIÓN MEDIANTE LÁGRIMA  
FIXING BY MEANS OF A TEAR DROP

INVERSOR MARCO/HOJA  
FRAME / SASH  
INVERTER



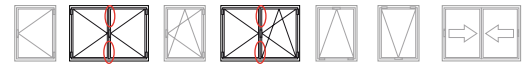
EJE 10  
10 SHAFT

INVERSOR MARCO/MARCO  
FRAME / FRAME  
INVERTER

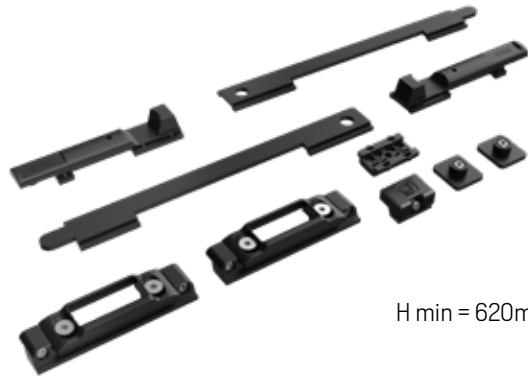


EJE 10  
10 SHAFT

KIT PASADORES DE FALLEBA  
OPERATING ROD SHOOTBOLT KIT



112000



H min = 620mm

Kit de cierre para la hoja pasiva mediante pasadores de falleba.

A locking kit for the passive sash using operating rod shootbolts.

**CARACTERÍSTICAS TÉCNICAS:**

- Los pasadores de falleba están constituidos por una pletina de aluminio troquelado y un pulsador inyectado en poliamida con fibra de vidrio.
- Los cerraderos son regulables. Poseen un ranurado antideslizamiento con el que se consigue una regulación progresiva.

**TECHNICAL CHARACTERISTICS:**

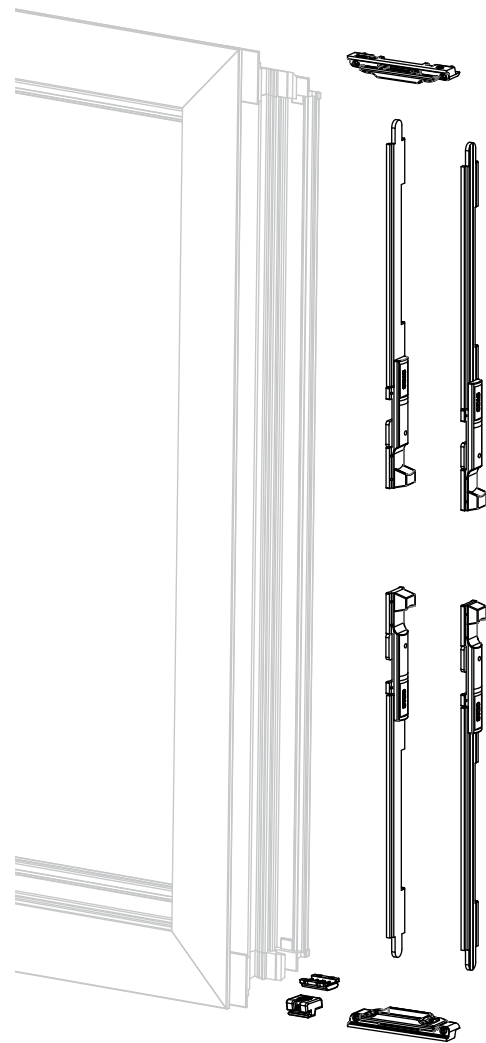
- The operating rod shootbolts are made up of a fabricated aluminium plate and button made from polyamide with fibre glass.
- The locks are adjustable. They have an anti-slip groove with which a progressive adjustment can be achieved.

KIT PASADORES DE FALLEBA 14/18  
OPERATING ROD 14/18 SHOOTBOLT KIT

112001

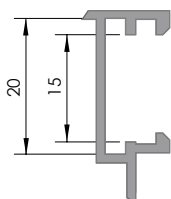


H min = 620mm



112000

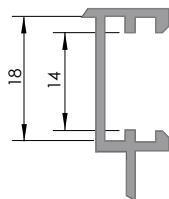
INVERSOR  
MARCO/HOJA  
FRAME / SASH  
INVERTER



EJE 10  
10 SHAFT

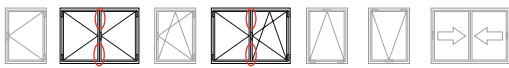
112001

INVERSOR  
MARCO/MARCO  
FRAME / FRAME  
INVERTER



EJE 10  
10 SHAFT





## KIT PASADORES DE PALANCA EXTENSIBLES CIERRE INVERSOR

EXTENDABLE SHOOTBOLT LEVER KIT LOCKING TO INVERTER

A locking kit for the passive sash using extendable lever shootbolts.

### TECHNICAL CHARACTERISTICS:

- Totally adjustable position both in height and in tightness.
- Can be extended using the operating rod and are ideal for balcony doors.
- An anti-looseness clip is incorporated.
- Adapted to fit all the inverters in the market.
- Security system with a lever block.
- The stainless steel shootbolts are highly resistant and are compatible with the frame closure kits and inverted closure to the active sash kits.

Kit de cierre para la hoja pasiva mediante pasadores de palanca extensibles.

### CARACTERÍSTICAS TÉCNICAS:

- Posición totalmente regulable en altura y en apriete.
- Prolongables mediante falleba, son ideales para puertas balconeras.
- Incorpora clip antiholguras.
- Ajustados a todos los inversores del mercado.
- Sistema de seguridad con bloqueo de palanca.
- Los punteros en acero inoxidable aportan mayor resistencia y son compatibles con los kits de cierre al marco y cierre al inversor de la hoja activa.



111610



H min = 750mm

## KIT PASADORES DE PALANCA EXTENSIBLES CIERRE AL MARCO

EXTENDABLE SHOOTBOLT LEVER KIT LOCKING TO FRAME



111611



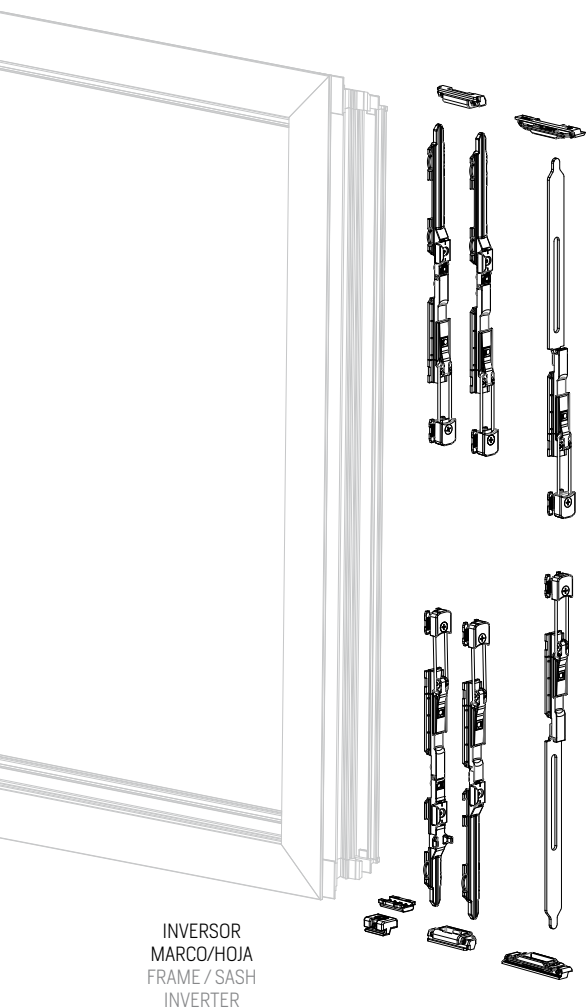
H min = 770mm

## KIT PASADORES DE PALANCA EXTENSIBLES CON PUNTEROS INOX

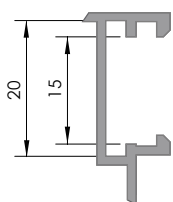
EXTENDABLE SHOOTBOLT LEVER KIT WITH INOX TIPS



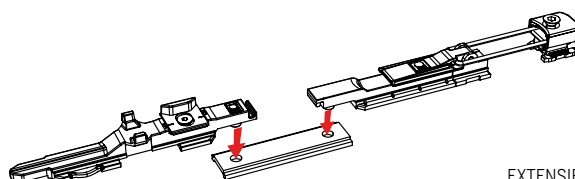
111620



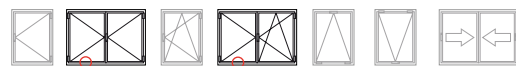
INVERSOR  
MARCO/HOJA  
FRAME / SASH  
INVERTER



EJE 10  
10 SHAFT



EXTENSIBLES  
MEDIANTE FALLEBA  
CAN BE EXTENDED USING AN  
OPERATING ROD



0507047

ZM INX



50



Mecanismo de retención para la hoja pasiva.

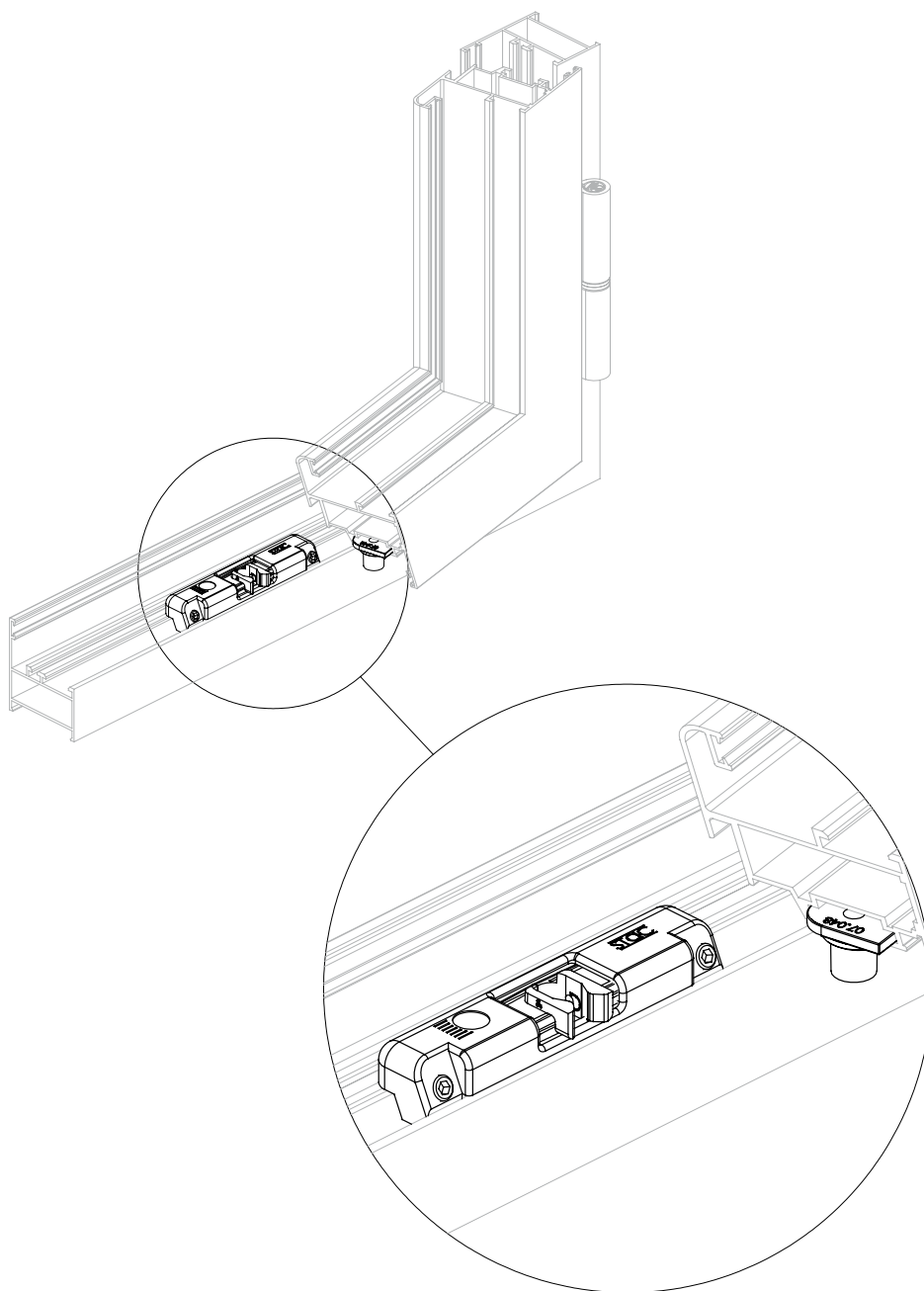
A retaining mechanism for the passive sash.

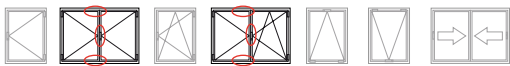
**CARACTERÍSTICAS TÉCNICAS:**

**TECHNICAL CHARACTERISTICS:**

- Mecanismo para mantener bloqueada la hoja pasiva cuando está cerrada.
- Se desactiva tirando de la hoja.
- Las dos partes son automontables y ambas admiten regulación sobre el canal lateral.

- A mechanism to maintain the passive sash blocked when it is closed.
- It is de-activated by pulling on the sash.
- The two parts are self-assembled and both can be adjusted.





# KIT CIERRE PERIMETRAL HOJA PASIVA EVO-SOFT

## EVO-SOFT PASSIVE SASH - PERIMETER LOCKING KIT

Locking kit for the passive sash with double return angle allowing the perimeter closure to the second sash.

### TECHNICAL CHARACTERISTICS:

- Two-way lever action.
- Easily adaptable to different series on the market.
- Available in EVO-soft and EVO-Security versions.
- Inverter locking point adapted to fixings [see Accessories section].

Kit de cierre para la hoja pasiva mediante doble ángulo de reenvío para posibilitar el cierre perimetral en la segunda hoja.

### CARACTERÍSTICAS TÉCNICAS:

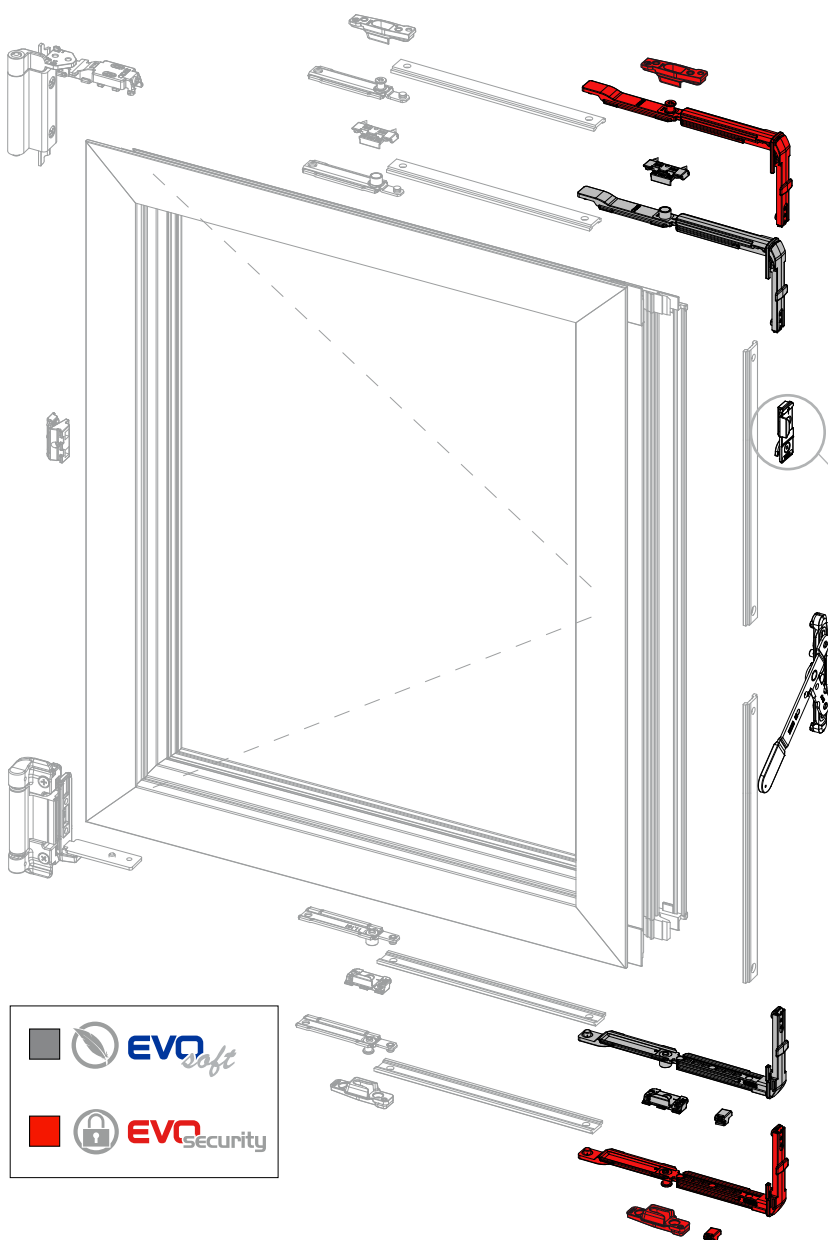
- Accionamiento mediante pasador bidireccional.
- Fácil adaptación a las diferentes series del mercado.
- Disponible en versiones EVO-Soft y EVO-Security.
- Punto de cierre inversor adaptado al herraje [ver sección Complementos].



111604C



H min = 700



# KIT CIERRE PERIMETRAL - HOJA PASIVA EVO-SECURITY

## EVO-SECURITY PASSIVE SASH - PERIMETER LOCKING KIT



111604S



H min = 700



**110210**

PUNTO DE CIERRE INVERSOR  
[Ver sección complementos]  
INVERTER LOCKING POINT  
[see Accessories section]



Consultar disponibilidad por serie.  
Enquire about series availability.



## PASADORES DE PUERTA **DENEB**

### DENEB FLUSH BOLTS

#### **Adaptabilidad**

Los pasadores de puerta Deneb están dimensionados de forma que se adapten a todos los canales de puerta estándar del mercado. Su geometría permite también que se puedan instalar en ventanas de Canal Europeo. Los pasadores Dened están disponibles en tres longitudes diferentes: 140, 220 y 450 mm.

#### **Resistencia**

Los pasadores de puerta Deneb están fabricados en aluminio y zamak lacados las carcasas, la palanca en zamak niquelado y los componentes principales que soportan los esfuerzos y desgastes están fabricados en acero inoxidable. Esto los dota de una gran resistencia a la corrosión.

#### **Facilidad de accionamiento**

El mecanismo de los pasadores de puerta Deneb acompaña el movimiento con dos resortes que derivan en una gran suavidad a la hora de accionar la palanca.

#### **Estética estilizada**

En la mayoría de los pasadores de puerta la estética está descuidada, quedando relegada a un segundo plano. Desde STAC hemos potenciado esta faceta dándole una estética estilizada y uniforme con acabados de calidad. Los 3 modelos están disponibles en colores plata, blanco y negro.

#### **Adaptability**

The Deneb flush bolts were designed to be compatible with all standard door groove profiles existing on the market. The geometry of the flush bolt allows its fitting on Euro Groove windows as well. To cover the entire range of door specifications the Deneb flush bolts come in three different lengths: 140, 220 and 450 mm.

#### **Resistance**

The Deneb flush bolts are manufactured from aluminium and lacquered Zamak (the body), nickel coated Zamak (the lever) and stainless steel (the main force-bearing and wearing-prone components). These materials mean that the flush bolts are highly corrosion resistant.

#### **Easy operation**

The movement of the Deneb flush bolt mechanism is assisted by two springs, to make it smoother and easier to move the lever.

#### **Stylish design**

Aesthetical aspects are a secondary concern in most flush bolts. However, at STAC we dediced to reinforce this aspect, providing the Deneb flush bolts with a uniform, stylish design and a high-quality finish. 3 models are available in silver, black and white.





The Deneb flush bolts are designed to be compatible with all standard door groove profiles.

**TECHNICAL CHARACTERISTICS:**

- Three different lengths:
- NEW 140 mm length version:** it incorporates a reinforcement plate that allows a greater durability.
- 140 mm length version:** flush bolt of small dimensions designed specifically for multi-locking point doors.
- 220 mm & 450 mm length version:** the lever arm is in a more convenient position for the user, making it easier to operate.
- Resistance: manufactured in aluminium and zamak, the lacquered cases, the lever in nickel-plated zamak and the main components in stainless steel.
- Easy operation: the moving of the lever smooth and easy.
- Available in silver, white and black colours.

Los pasadores de puerta Deneb están dimensionados de forma que se adapten a todos los canales de puerta estándar.

**CARACTERÍSTICAS TÉCNICAS:**

- Tres longitudes diferentes:
- NUEVA versión largo 140 mm:** incorpora una pletina de refuerzo que permite un mayor durabilidad.
- Largo de 140mm:** Pasador de palanca de pequeñas dimensiones pensado especialmente para puertas con cerraduras multipunto.
- Largo de 220mm y 450mm:** permiten acercar al usuario la palanca para facilitar su accionamiento.
- Resistencia: fabricados en aluminio y zamak, las carcasas lacadas, la palanca en zamak niquelado y los componentes principales en acero inoxidable.
- Facilidad de accionamiento: gran suavidad a la hora de accionar la palanca.
- Disponibles en colores plata, blanco y negro.

ZM AL

Inx

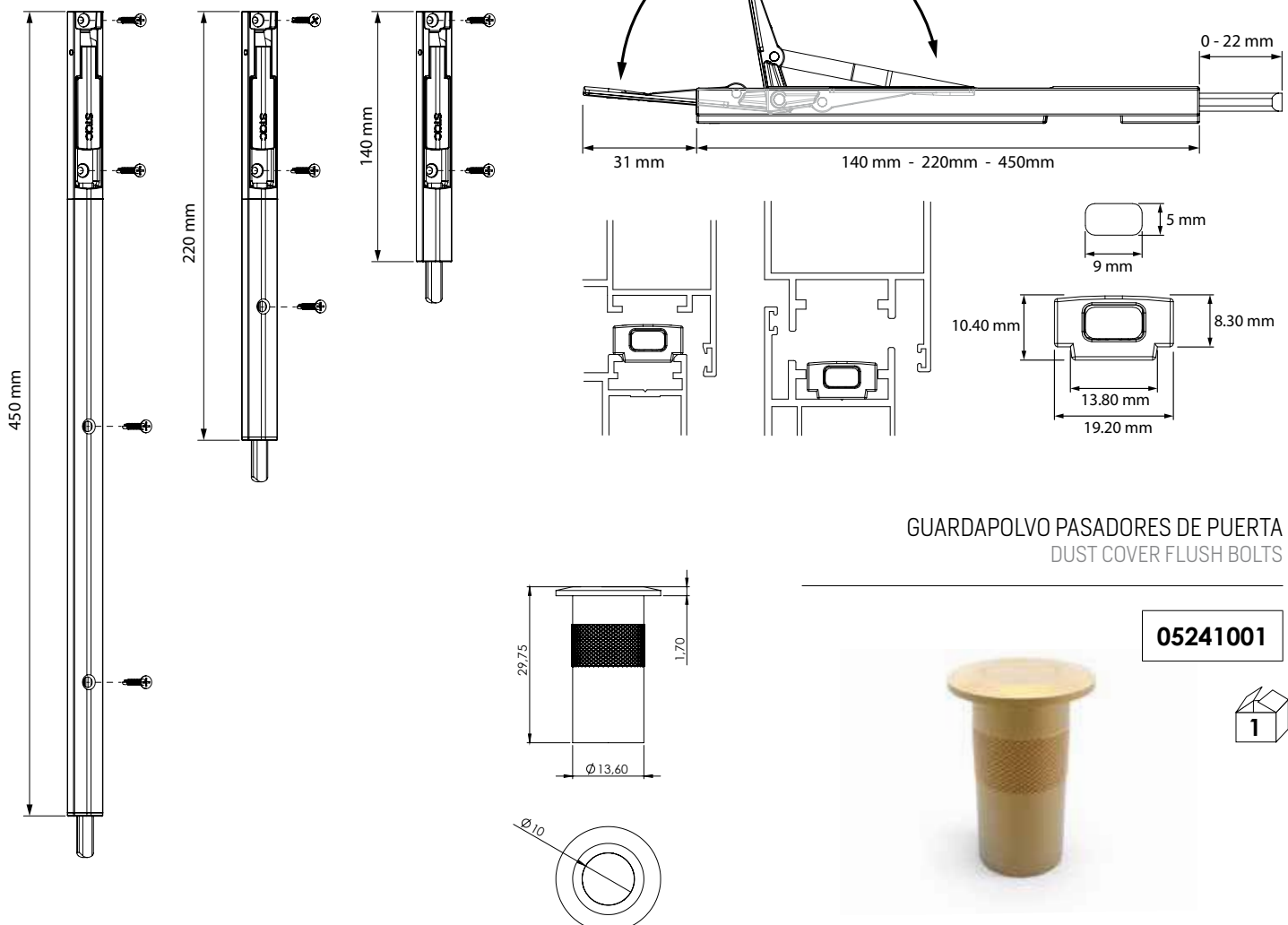


PH 2

|      |    |    |
|------|----|----|
| 0524 | 01 | ** |
|      | 02 | ** |
|      | 03 | ** |
|      | 04 | ** |



| L      | ○        | ●        | ●        |
|--------|----------|----------|----------|
| 140 mm | 05240101 | 05240102 | 05240103 |
| 220 mm | 05240201 | 05240202 | 05240203 |
| 450 mm | 05240301 | 05240302 | 05240303 |
| 140 mm | 05240401 | 05240402 | 05240403 |



GUARDAPOLVO PASADORES DE PUERTA  
DUST COVER FLUSH BOLTS

05241001





# 12

## Proyectante y abatible Top-hung & bottom-hung

Cierre de presión SIRIUS

SIRIUS pressure fastener

Cierre de presión LINCE

LINCE pressure fastener

Cierre de presión ORIÓN

ORION pressure fastener

Manilla de fachada

Facade handle

Cierre golpe

Catch

Compás limitador con retención

Limiting retaining friction stay

Compás limitador

Limiting friction stay

Compás limitador RS

RS limiting friction stay

Compás limitador extensible

Extendable limiting friction stay

Compás proyectante

Top-hung friction stay

Compás proyectante reforzado

Reinforced top-hung friction stay

Compás muro cortina

Curtain wall friction stay

Compás limitador estándar

Standard limiting friction stay

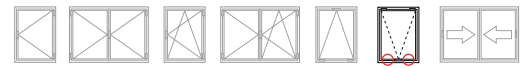
Configuraciones proyectantes

Top-hung configurations



# CIERRE DE PRESIÓN SIRIUS

## SIRIUS PRESSURE FASTENER



|     |   |    |
|-----|---|----|
| 150 | 8 | ** |
|     | 9 |    |

DERECHA | RIGHT  
IZQUIERDA | LEFT



Cierre de presión para aperturas interiores y exteriores.

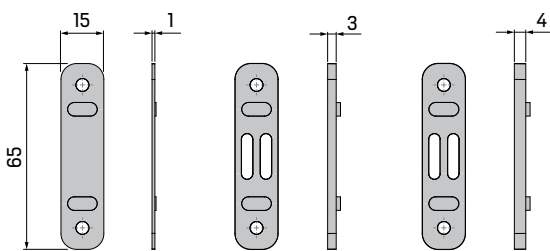
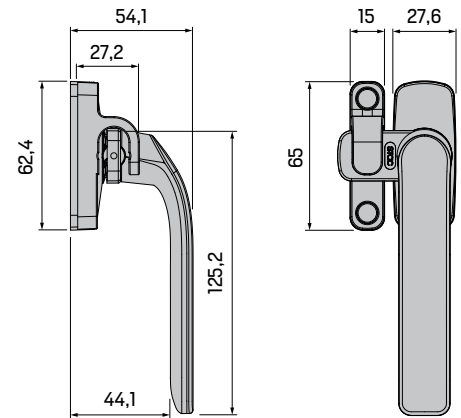
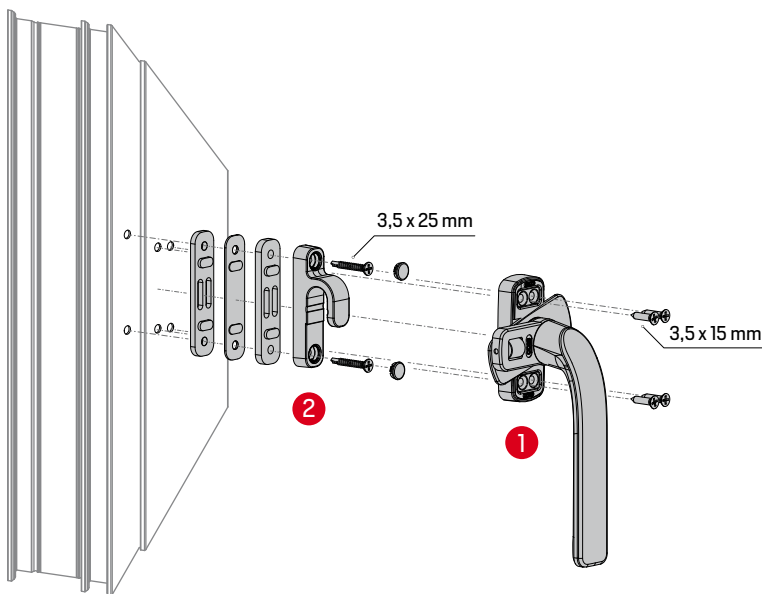
Window pressure fastener for inward and outward openings.

### CARACTERÍSTICAS TÉCNICAS

- Estética Sirius, diseño unificado y funcional.
- Incluye calzos adaptativos para diferentes series y dar mayor presión al cierre.
- Mediante un sistema de muelles, las tapas cubre-tornillos ocultan todo el mecanismo de fijación, aumentando así la estética y contribuyendo a una práctica y rápida instalación.
- Tapones embellecedores que ocultan los tornillos del contracierre.
- Testado según UNE-EN 13126-2 a 10.000 ciclos con resultado satisfactorio.

### TECHNICAL CHARACTERISTICS

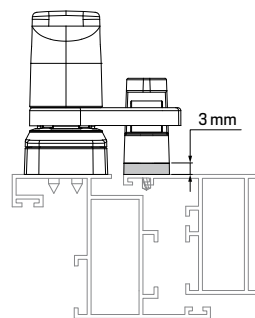
- Sirius aesthetics, unified and functional design.
- It includes adaptive shims for different series and to give greater pressure to the lock.
- Using a spring system the screw covers hides all of the fixing mechanism, which improves the aesthetics, allowing a practical and rapid installation.
- Decorative covers that hide the counterlock screws.
- Tested according to UNE-EN 13126-2 at 10,000 cycles with satisfactory results.



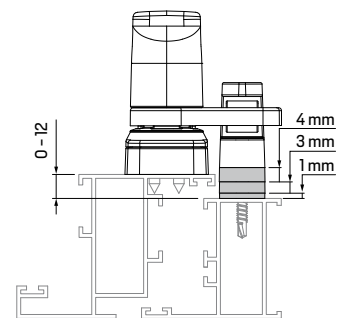
x 2 unidades units

x 2 unidades units

x 1 unidad unit

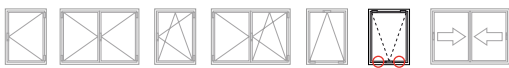


APERTURA EXTERIOR  
OUTWARD OPENING



APERTURA INTERIOR  
INWARD OPENING





Window pressure fastener for inward and outward openings.

Cierre de presión para aperturas interiores y exteriores.

**TECHNICAL CHARACTERISTICS**

- It includes adaptive shims for different series and to give greater pressure to the lock.
- Using a spring system the screw covers hides all of the fixing mechanism, which improves the aesthetics, allowing a practical and rapid installation.
- It includes shims of 4, 3 and 1 mm respectively, being able to increase the height up to 12 mm to give greater pressure to the closing and to adapt to different series.
- Decorative covers that hide the counterlock screws.
- Tested according to UNE-EN 13126-2 at 10,000 cycles with satisfactory results.

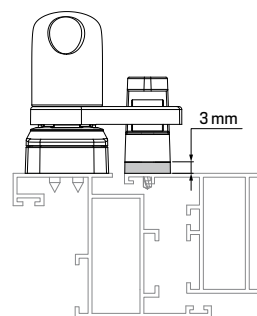
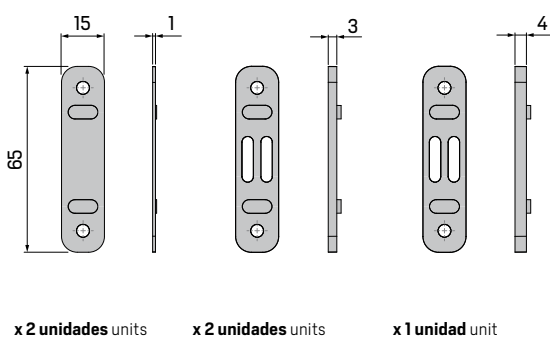
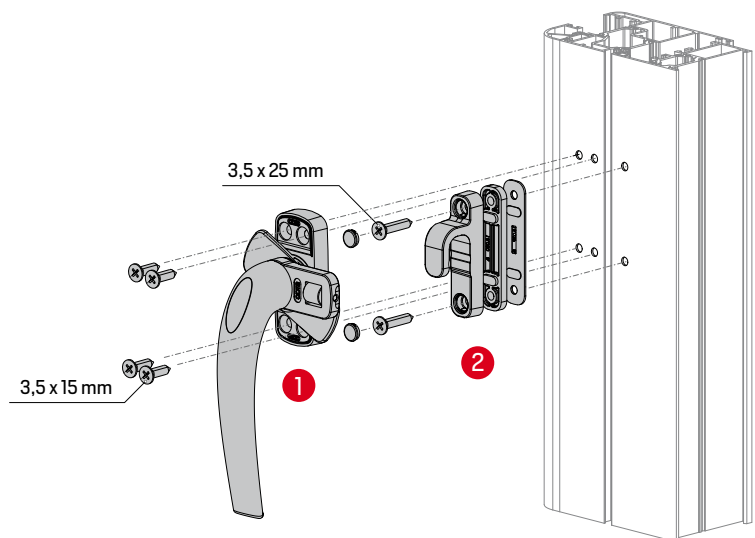
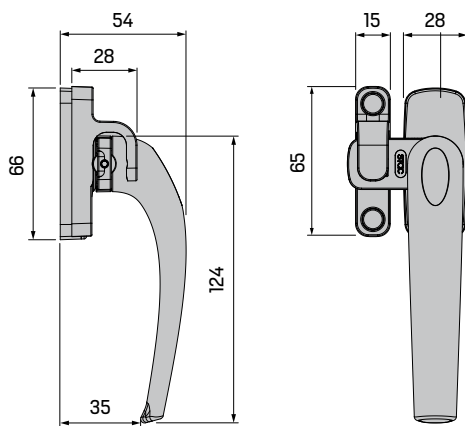
**CARACTERÍSTICAS TÉCNICAS**

- Incluye calzos adaptativos para diferentes series y dar mayor presión al cierre.
- Mediante un sistema de muelles, las tapas cubre-tornillos ocultan todo el mecanismo de fijación, aumentando así la estética y contribuyendo a una práctica y rápida instalación.
- Incluye calzos de 4, 3 y 1 mm respectivamente, pudiendo aumentar la altura hasta 12 mm para dar mayor presión al cierre y adaptarse a diferentes series.
- Tapones embellecedores que ocultan los tornillos del contracierre.
- Testado según UNE-EN 13126-2 a 10.000 ciclos con resultado satisfactorio.

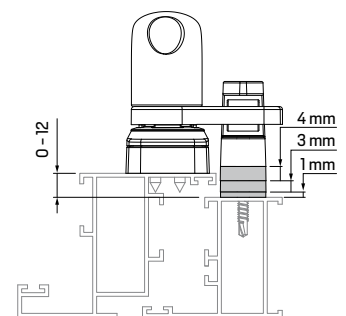
\*\*  
  
 AL ZM  
 PA INX  
 PH 2

DERECHA | RIGHT  
IZQUIERDA | LEFT

|     |   |    |
|-----|---|----|
| 150 | 6 | ** |
|     | 7 |    |



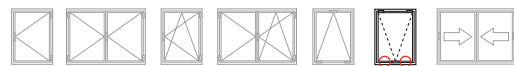
APERTURA EXTERIOR  
OUTWARD OPENING



APERTURA INTERIOR  
INWARD OPENING

# CIERRE DE PRESIÓN ORIÓN

## ORION PRESSURE FASTENER



|     |   |    |
|-----|---|----|
| 150 | 1 | ** |
|     | 2 |    |

DERECHA | RIGHT  
IZQUIERDA | LEFT



Cierre de presión para aperturas interiores y exteriores.

Window pressure fastener for inward and outward openings.

### CARACTERÍSTICAS TÉCNICAS

- La base permite un triple posicionamiento del tornillo, permitiendo una sujeción sin problemas.
- La manilla y los contrcierres poseen tapas para ocultar los tornillos.
- Todos las referencias incluyen 3 calzos de 3, 2 y 1 mm, pudiendo aumentar la altura desde 1 hasta 6 mm para dar mayor presión al cierre.
- Dos contrcierres disponibles, uno por apertura exterior y otro para apertura interior.

### TECHNICAL CHARACTERISTICS

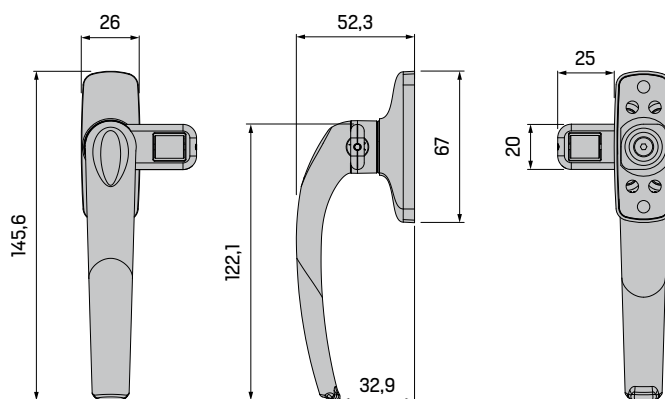
- The base allows a triple screw positioning and enables fastening without problems.
- The handle and the counter-locks have cover caps to hide the screws.
- All references include 3 chocks of 3, 2 and 1 mm, being able to increase the height from 1 to 6 mm to give greater pressure to the closure.
- Two counter-locks are available, one for inward opening and one for outward opening.



## CONTRA-CIERRE ORIÓN APERTURA INTERIOR

### ORION COUNTER-LOCK INWARD OPENING

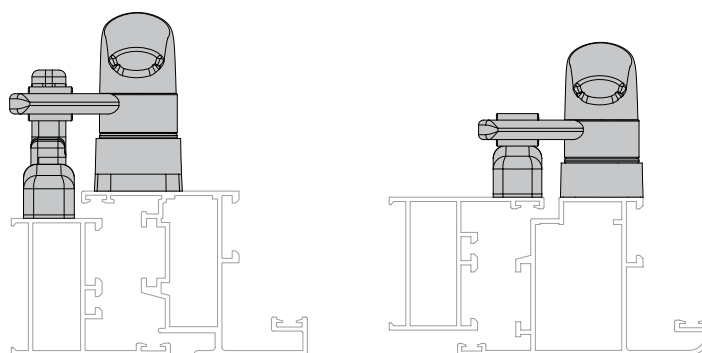
|      |    |
|------|----|
| 1503 | ** |
|------|----|



## CONTRA-CIERRE ORIÓN APERTURA EXTERIOR

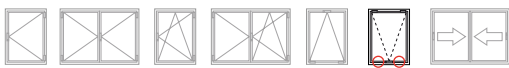
### ORION COUNTER-LOCK OUTWARD OPENING

|      |    |
|------|----|
| 1504 | ** |
|------|----|



APERTURA INTERIOR  
INWARD OPENING

APERTURA EXTERIOR  
OUTWARD OPENING



# MANILLA DE FACHADA PIVOTE 28,5 mm

## FACADE HANDLE 28,5 mm PIVOT

Facade handle for bottom-hung window openings that allows the closing under pressure.

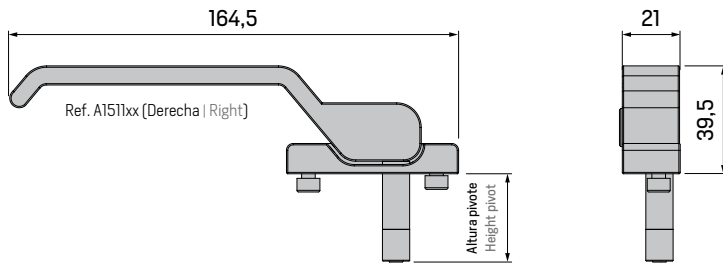
Manilla de fachada para aperturas abatibles que permite realizar cierre a presión.

### TECHNICAL CHARACTERISTICS

- It incorporates 2 different keepers and 3 pivots to adjust to the different systems.
- It is available in both right-hand and left-hand versions.

### CARACTERÍSTICAS TÉCNICAS

- Incorpora 2 cerraderos diferentes y 3 pivotes para ajustarse a los diferentes sistemas.
- Se suministra tanto de derechas como de izquierdas.



**\*\***  
  
**ANODIC**  
**AL** **INX**  
**PA**

DERECHA | RIGHT  
IZQUIERDA | LEFT

|      |   |    |
|------|---|----|
| A151 | 1 | ** |
|      | 2 |    |

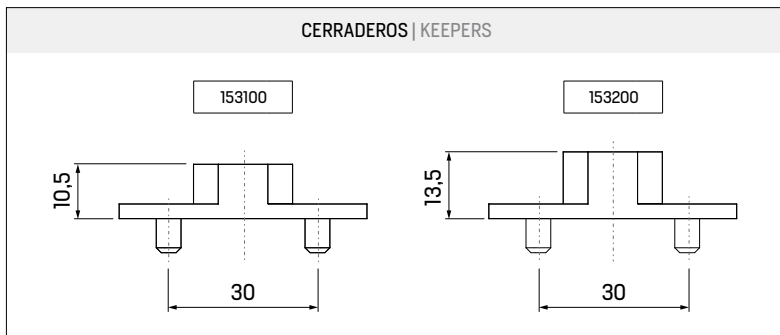


La referencia incluye | The reference includes

| DENOMINACIÓN<br>DENOMINATION      | ALTURA<br>HEIGHT |
|-----------------------------------|------------------|
| 1 PIVOTE<br>PIVOT                 | 28,5 mm          |
| 1 CERRADERO CORTO<br>SHORT KEEPER | 10,5 mm          |

# MANILLA DE FACHADA PIVOTE 32 mm

## FACADE HANDLE 32mm PIVOT



**\*\***  
  
**ANODIC**  
**AL** **INX**  
**PA**

DERECHA | RIGHT  
IZQUIERDA | LEFT

|      |   |    |
|------|---|----|
| A152 | 1 | ** |
|      | 2 |    |

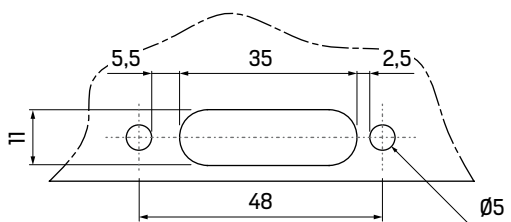


La referencia incluye | The reference includes

| DENOMINACIÓN<br>DENOMINATION     | ALTURA<br>HEIGHT |
|----------------------------------|------------------|
| 1 PIVOTE<br>PIVOT                | 32 mm            |
| 1 CERRADERO LARGO<br>LONG KEEPER | 13,5 mm          |

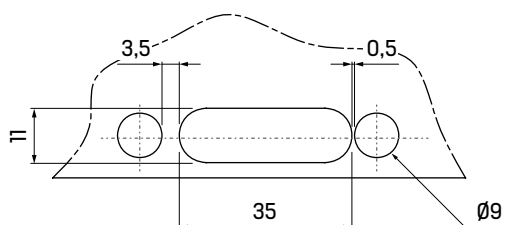
### MECANIZADO SUPERIOR DE HOJA (zona manilla)

#### UPPER SASH MACHINING (handle zone)

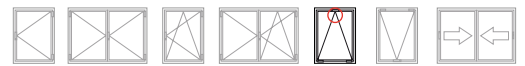


### MECANIZADO INFERIOR DE HOJA (zona canal)

#### LOWER SASH MACHINING (groove zone)



| REFERENCIA<br>REFERENCE | ELEMENTOS INDIVIDUALES<br>INDIVIDUAL ELEMENTS | ALTURA<br>HEIGHT |    |
|-------------------------|---|------------------|----|
| 153100                  | CERRADERO CORTO<br>SHORT KEEPER               | 10,5             | 50 |
| 153200                  | CERRADERO LARGO<br>LONG KEEPER                | 13,5             | 50 |
| 154000                  | PIVOTE MINI<br>MINI PIVOT                     | 25               | 50 |
| 154100                  | PIVOTE CORTO<br>SHORT PIVOT                   | 28,5             | 50 |
| 154200                  | PIVOTE LARGO<br>LONG PIVOT                    | 32               | 50 |



1560 \*\*



AL ZM

INX

50



Cierre regulable para ventanas abatibles de Canal Europeo.

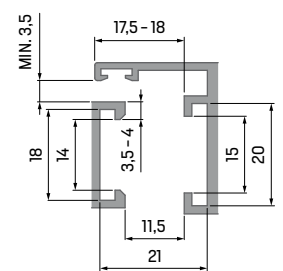
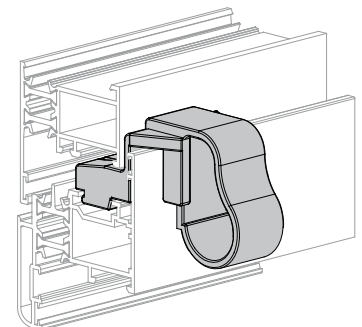
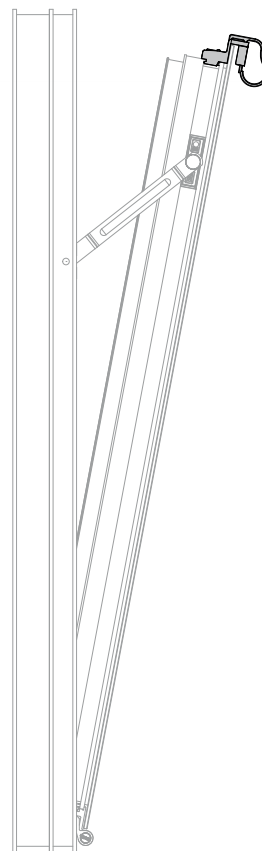
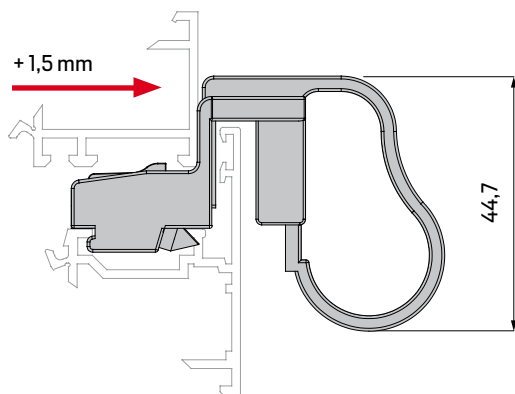
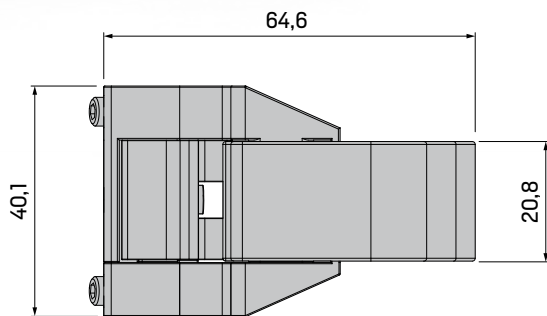
Adjustable Euro Groove lock for closing bottom-hung window openings.

**CARACTERÍSTICAS TÉCNICAS**

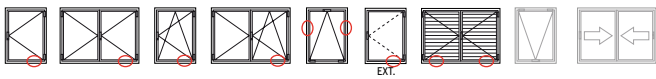
- Regulación de apriete mediante tornillo prisionero: +1,5 mm.
- Pernos de regulación que permiten una adaptación perfecta al perfil.
- No requiere ningún tipo de mecanizado en el perfil.
- Proporciona un elevado nivel de seguridad.

**TECHNICAL CHARACTERISTICS**

- Tightening adjustment by grub screw: +1.5 mm.
- Adjustment bolts that allow a perfect adaptation to the profile.
- It requires no machining on the profile.
- Provides a high level of security.



CANAL EUROPEO (EJE 10)  
EURO GROOVE (10 SHAFT)



Limiting friction stay with retention compatible with all top-hung and outward openings with Euro Groove profile.

Compás limitador con retención compatible con todas las aperturas proyectantes y aperturas exteriores con perfil de Canal Europeo.



130801



**TECHNICAL CHARACTERISTICS**

- Lock activated by cremone in the limiting position.
- Different degrees of opening according to its position in sash.
- Access to the unblocking mechanism using TORX PIN driver.
- Fixation to the frame using self-tapping screws for greater safety.
- Breaking strength in excess of 300 kg.
- Not compatible with the corner drive of anti-false maneuver ref. 110900.

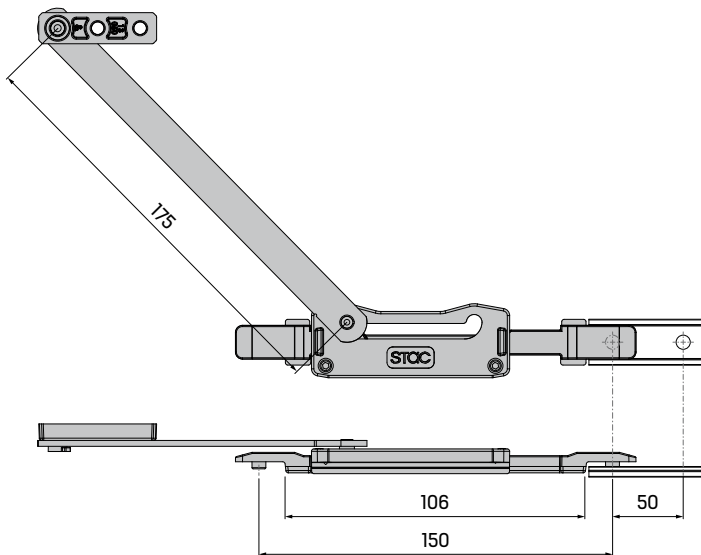
**CARACTERÍSTICAS TÉCNICAS**

- Bloqueo accionado por cremone en la posición de limitación.
- Diferentes grados de apertura según su posición en hoja.
- Acceso de desbloqueo mediante llave TORX PIN.
- Fijación mediante rosca-chapas para mayor seguridad en la pieza de marco.
- Fuerza de rotura superior a 300 kg.
- No compatible con el ángulo de reenvío de anti-falsa maniobra ref. 110900.

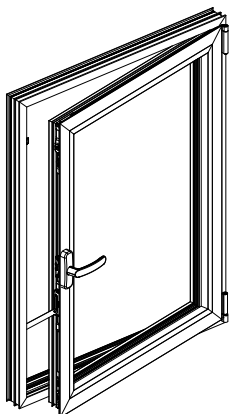


More information in the technical data sheet of the product.

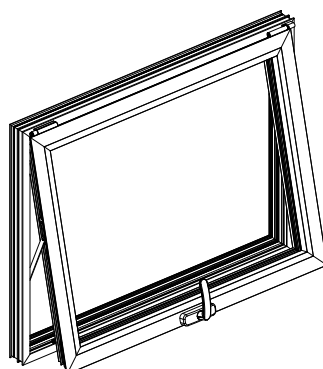
Más información en la ficha técnica del producto.



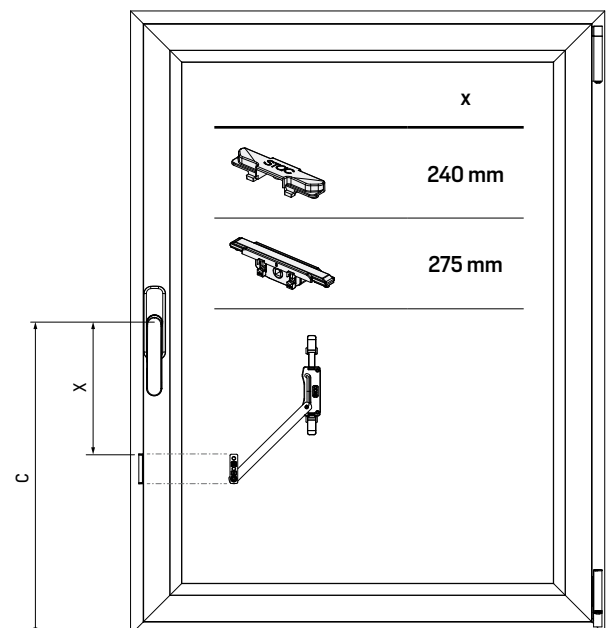
**APERTURAS PRACTICABLES**  
CASEMENT OPENINGS



**APERTURAS PROYECTANTES**  
TOP-HUNG OPENINGS



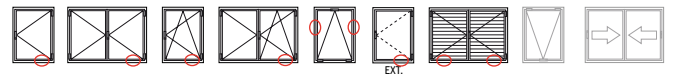
**CONFIGURACIÓN PRACTICABLE** CASEMENT CONFIGURATION



C = altura de cremone height cremone

# COMPÁS LIMITADOR

## LIMITING FRICTION STAY



### COMPÁS LIMITADOR CORTO

#### SHORT LIMITING FRICTION STAY

A130100



ZM INX

PA

Compás que permite limitar la apertura en ventanas abatibles, practicables y oscilobatientes.

#### CARACTERÍSTICAS TÉCNICAS

- Sistema de freno regulable integrado en la deslizadera del compás.
- Sistema de amortiguación por doble cámara de aire.
- Deslizadera de poliamida para un funcionamiento más silencioso.
- La posición del tope limitador permite mayor o menor apertura de la hoja.
- Soltando el tapón roscado se anula la función del compás.
- Todas las piezas de zamak están tratadas para garantizar una resistencia a la corrosión de más de 250 horas de cámara de niebla salina.

Friction stay that allows to limit the opening in bottom-hung, casement and tilt & turn windows.

#### TECHNICAL CHARACTERISTICS

- Adjustable brake system integrated into the friction stay slider.
- Double air chamber damping system.
- Polyamide slider for a quieter operation.
- The position of the top restrictor allows a greater or lesser opening of the sash.
- Releasing the threaded cap the friction stay will not work.
- All zamak parts are treated to ensure corrosion resistance of over 250 hours of salt spray chamber.

### COMPÁS LIMITADOR LARGO

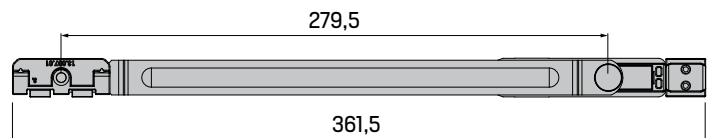
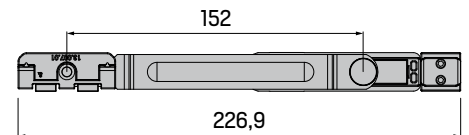
#### LONG LIMITING FRICTION STAY

A130101



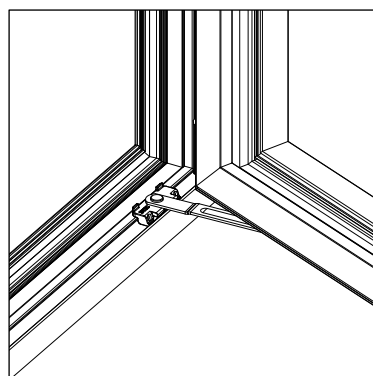
ZM INX

PA



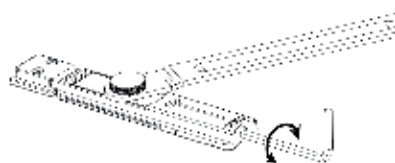
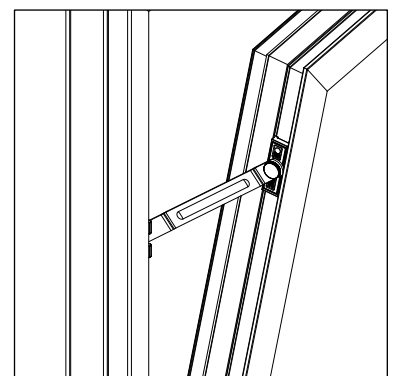
#### APERT. PRACTICABLES Y OSCILOBIATIENTES

##### CASEMENT AND TILT & TURN OPENINGS

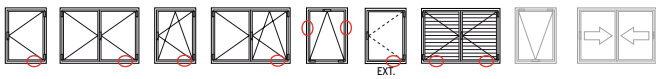


#### APERT. ABATIBLES

##### BOTTOM-HUNG OPENINGS



**FRENO REGULABLE**  
ADJUSTABLE BRAKE



Friction stay that allows to limit and to retain the opening in bottom-hung, casement and tilt & turn windows.

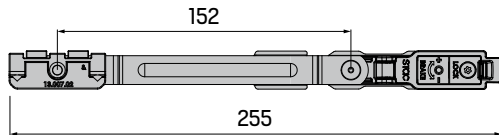
**TECHNICAL CHARACTERISTICS**

- Retention of the limiting position.
- Integrated security system that allows access to the unblocking mechanism using TORX PIN driver.
- Adjustable brake system integrated into the friction stay slider.
- Intuitive unlocking system.
- All zamak parts are treated to ensure corrosion resistance of over 250 hours of salt spray chamber.

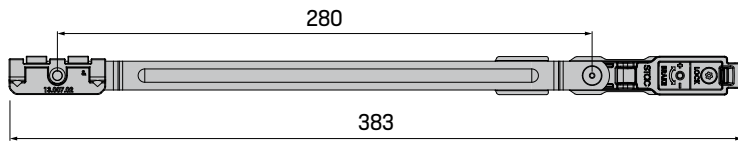
Compás que permite limitar y retener la apertura en ventanas abatibles, practicables y oscilobatientes.

**CARACTERÍSTICAS TÉCNICAS**

- Retención en posición de limitación.
- Sistema de seguridad integrado que permite el acceso de desbloqueo mediante llave TORX PIN.
- Sistema de freno regulable integrado en la deslizadora del compás.
- Sistema de desbloqueo intuitivo.
- Las piezas de zamak están tratadas para garantizar una resistencia a la corrosión de más de 250 horas de cámara de niebla salina.

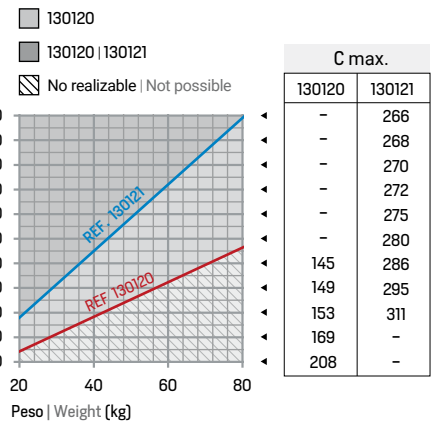
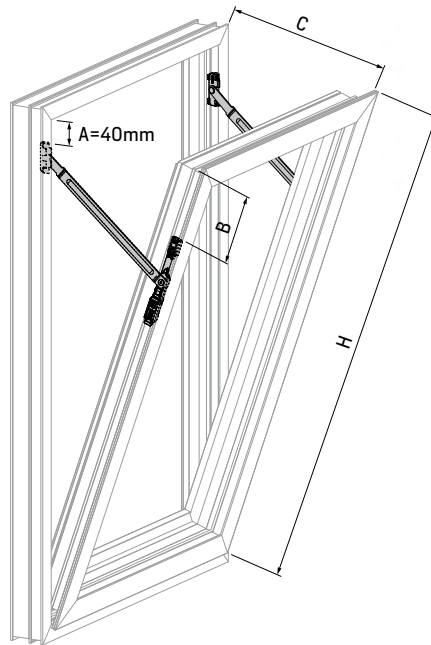
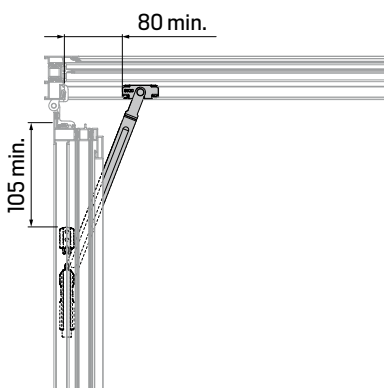
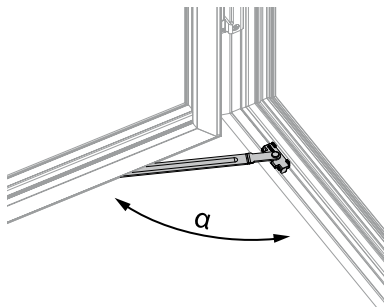


REF. 130120  
L min. = 290 mm  
REF. 130121  
L min. = 420 mm



REF. 130120  
 $\alpha$  max. = 90°  
REF. 130121  
 $\alpha$  max. = 130°

REF. 130120  
B = 80 mm  
REF. 130121  
B = 125 mm



COMPÁS LIMITADOR RS CORTO  
RS SHORT LIMITING FRICTION STAY



130120



PRACTICABLE CASEMENT

ABATIBLE BOTTOM-HUNG

COMPÁS LIMITADOR RS LARGO  
RS LONG LIMITING FRICTION STAY

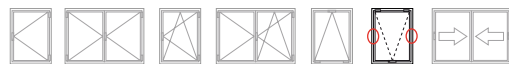


130121



PRACTICABLE CASEMENT

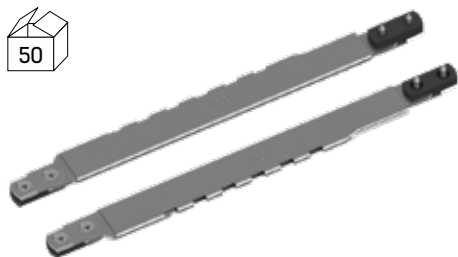
ABATIBLE BOTTOM-HUNG



18009

INX

50



Compás para ventanas proyectantes.

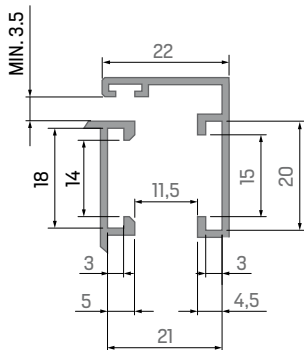
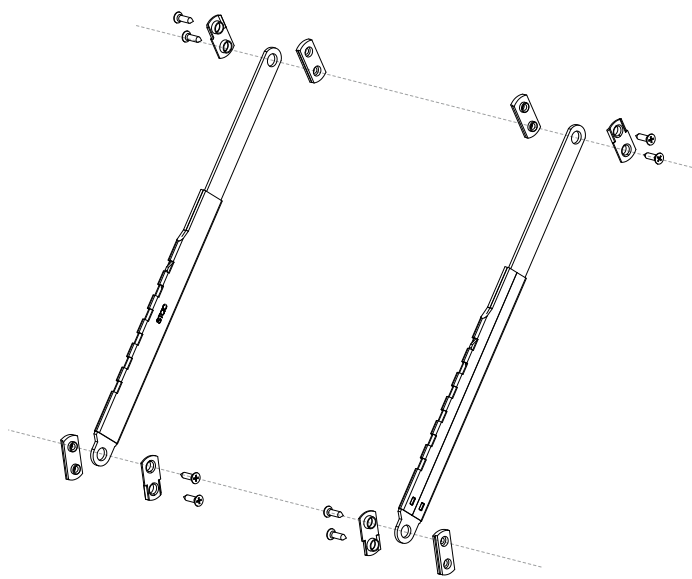
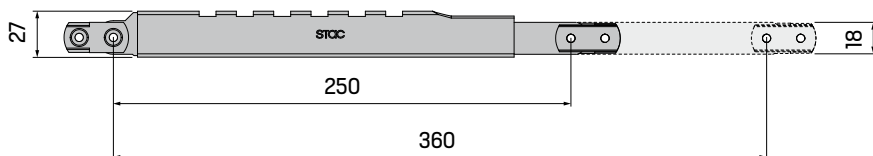
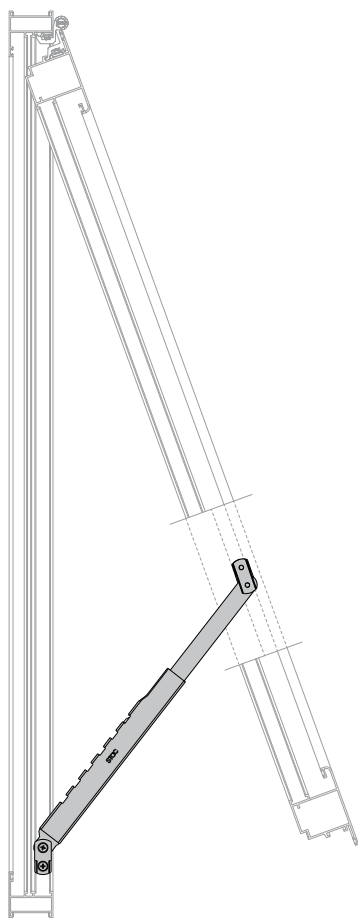
Friction stay for top-hung windows.

**CARACTERÍSTICAS TÉCNICAS**

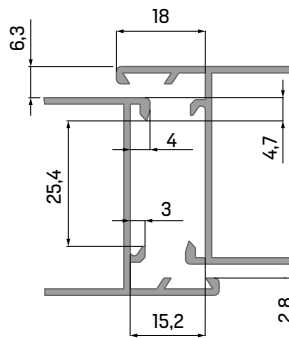
- Válido para ventanas proyectantes, series 40/20 y perfiles de Canal Europeo.
- Permite la apertura en 5 posiciones.
- Apertura regulable con posicionado.
- Para cerrar la ventana es necesario colocar el compás en máxima apertura.

**TECHNICAL CHARACTERISTICS**

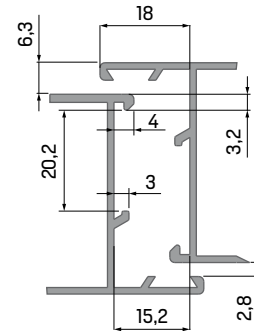
- Valid for top-hung windows, 40/20 series and Euro Groove profiles.
- It allows opening in 5 positions.
- Adjustable positioning opening.
- To close the window it is necessary to place the friction stay in maximum opening.



**EJE 10**  
10 SHAFT



**SERIES 6000**  
6000 SERIES



**SERIES 4000**  
4000 SERIES





Set of limiting friction stays for top-hung sliding windows.

**TECHNICAL CHARACTERISTICS**

- For window profile with 16 / 18 mm chamber.
- Supplied in sets of 2 units.
- Incorporated with a runner with tightness adjustment.

Juego de compases limitadores para ventanas proyectantes deslizantes.

**CARACTERÍSTICAS TÉCNICAS**

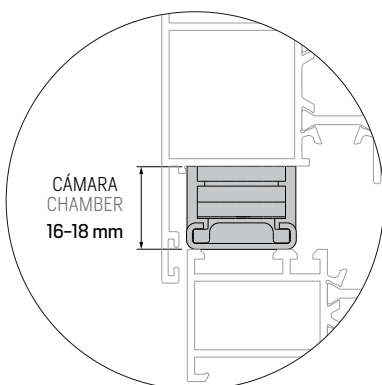
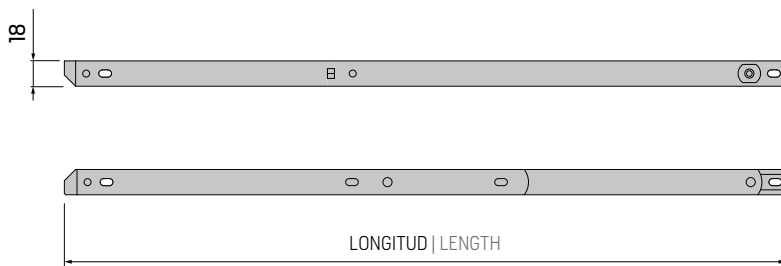
- Para perfil de ventana con cámara de 16 / 18 mm.
- Se suministran en juegos de 2 unidades.
- Incorporan un patín con regulación de apriete.

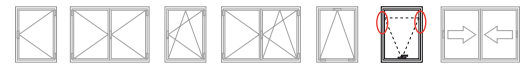
Inx



- 18004
- 18005
- 18006
- 18007
- 18008

| REFERENCIA<br>REFERENCE | LONGITUD<br>LENGTH | ANCHO MÁXIMO<br>MAXIMUM WIDTH | ALTURA MÁXIMA<br>MAXIMUM HEIGHT | PESO MÁXIMO<br>MAXIMUM WEIGHT | ÁNG. DE APERTURA<br>OPENING ANGLE | MATERIAL<br>MATERIAL |  |
|-------------------------|--------------------|-------------------------------|---------------------------------|-------------------------------|-----------------------------------|----------------------|---|
| 18004                   | 200 mm             | 1200 mm                       | 350 mm                          | 12 kg                         | 70°                               | AISI 304             | 25  |
| 18005                   | 300 mm             | 1200 mm                       | 550 mm                          | 20 kg                         | 87°                               | AISI 304             | 25  |
| 18006                   | 400 mm             | 1200 mm                       | 750 mm                          | 24 kg                         | 87°                               | AISI 304             | 25  |
| 18007                   | 500 mm             | 1200 mm                       | 1000 mm                         | 28 kg                         | 40°                               | AISI 304             | 25  |
| 18008                   | 600 mm             | 1200 mm                       | 1100 mm                         | 35 kg                         | 40°                               | AISI 304             | 25  |





18001

18002

18003



INX

Juego de compases limitadores para ventanas proyectantes deslizantes.

Set of limiting friction stays for top-hung sliding windows.

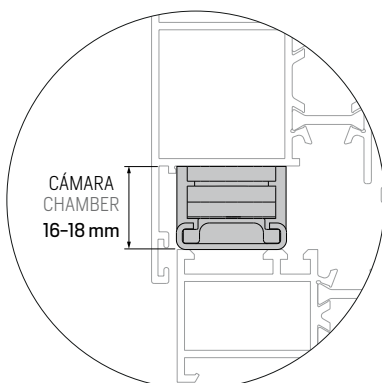
**CARACTERÍSTICAS TÉCNICAS**

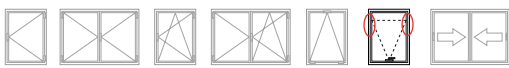
- Para perfil de ventana con cámara de 16 / 18 mm.
- Se suministran en juegos de 2 unidades.
- Incorporan un patín con regulación de apriete.

**TECHNICAL CHARACTERISTICS**

- For window profile with 16 / 18 mm chamber.
- Supplied in sets of 2 units.
- Incorporated with a runner with tightness adjustment.

| REFERENCIA<br>REFERENCE | LONGITUD<br>LENGTH | ANCHO MÁXIMO<br>MAXIMUM WIDTH | ALTURA MÁXIMA<br>MAXIMUM HEIGHT | PESO MÁXIMO<br>MAXIMUM WEIGHT | ÁNG. DE APERTURA<br>OPENING ANGLE | MATERIAL<br>MATERIAL |  |
|-------------------------|--------------------|-------------------------------|---------------------------------|-------------------------------|-----------------------------------|----------------------|---|
| 18001                   | 250 mm             | 1200 mm                       | 550 mm                          | 20 kg                         | 87°                               | AISI 304             | 25  |
| 18002                   | 400 mm             | 1200 mm                       | 900 mm                          | 30 kg                         | 87°                               | AISI 304             | 25  |
| 18003                   | 550 mm             | 1200 mm                       | 1300 mm                         | 40 kg                         | 87°                               | AISI 304             | 25  |





Set of limiting friction stays for top-hung sliding windows.

Juego de compases limitadores para ventanas proyectantes deslizantes.

Inx



A18011

A18012

A18017


A18018

### TECHNICAL CHARACTERISTICS

- For window profile with 16 / 18 mm chamber.
- Supplied in sets of 2 units.
- Incorporated with a runner with tightness adjustment.
- The friction stay ref. A18011 has an incorporated opening restrictor.
- The friction stay ref. A18102 has an opening restrictor plate (ref. 0518014) for installation.
- For sashes greater than 1000 mm it is recommended to use the height adjuster (ref. 18200).

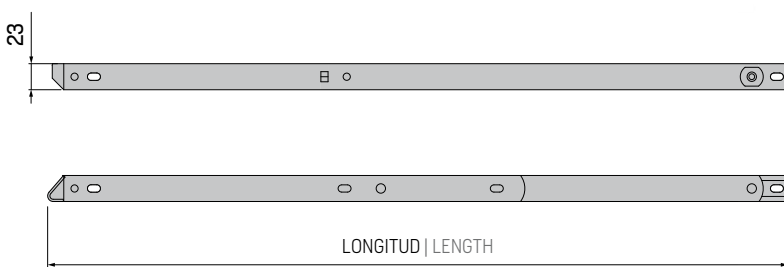
### CARACTERÍSTICAS TÉCNICAS

- Perfil de ventana con cámara de 16 / 18 mm.
- Se suministran en juegos de 2 unidades.
- Incorporan un patín con regulación de apriete.
- El compás ref. A18011 tiene limitación de apertura incorporada.
- El compás A18012 dispone de pletina limitadora de apertura (ref. 0518014) para instalar.
- Para hojas de altura mayor a 1000 mm se recomienda utilizar el regulador de altura (ref. 18200).

| REFERENCIA<br>REFERENCE | LONGITUD<br>LENGTH | ANCHO<br>WIDTH | ALTURA<br>HEIGHT | PESO MÁXIMO<br>MAXIMUM WEIGHT | ÁNG. DE APERTURA<br>OPENING ANGLE | MATERIAL |  |
|-------------------------|--------------------|----------------|------------------|-------------------------------|-----------------------------------|----------|---|
| A18011                  | 455 mm             | 500 - 1500 mm  | 500 - 1200 mm    | 80 kg                         | 30° / 25° *                       | AISI 304 | 20  |
| B18011                  | 455 mm             | 500 - 1500 mm  | 500 - 1200 mm    | 80 kg                         | 30° / 25° *                       | AISI 316 | 20  |
| A18012                  | 755 mm             | 500 - 2200 mm  | 1200 - 2200 mm   | 130 kg                        | 20° / 15° * / 10°*                | AISI 304 | 20  |
| B18012                  | 755 mm             | 500 - 2200 mm  | 1200 - 2200 mm   | 130 kg                        | 20° / 15° * / 10°*                | AISI 316 | 20  |
| A18017                  | 555 mm             | 500 - 1800 mm  | 600 - 1800 mm    | 110 kg                        | 20° / 25° *                       | AISI 304 | 20  |
| A18018                  | 600 mm             | 500 - 1800 mm  | 650 - 1800 mm    | 120 kg                        | 15° / 20° *                       | AISI 304 | 20  |

\* Con limitación de apertura With opening limitation

### REGULADOR DE ALTURA HEIGHT ADJUSTER

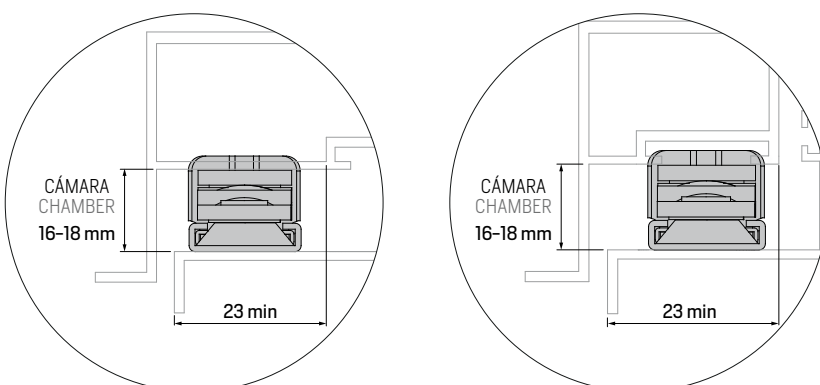


Zm Inx

18200

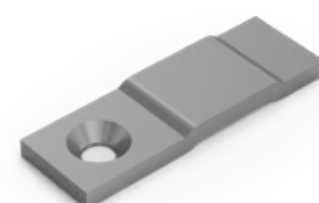


### PLETINA LIMITADORA COMPÁS GRANDE LARGE FRICTION STAY LIMITING PLATE



Inx

A0518014





18010

INX



Juego de compases limitadores para ventanas proyectantes deslizantes.

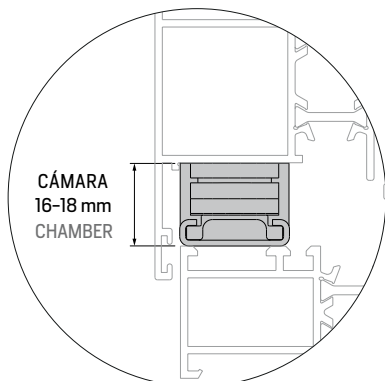
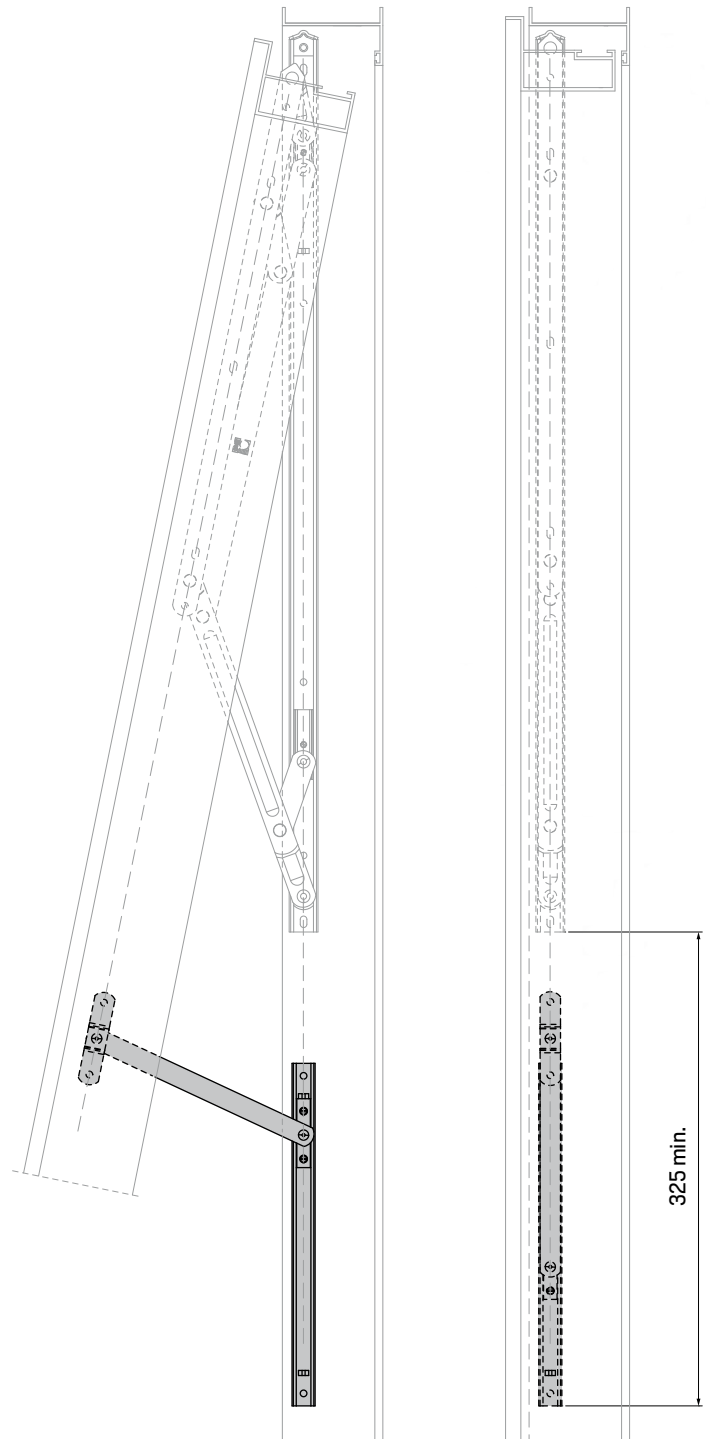
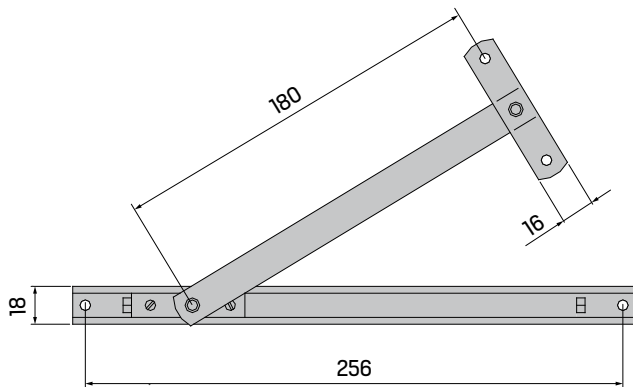
Set of limiting friction stays for top-hung sliding windows.

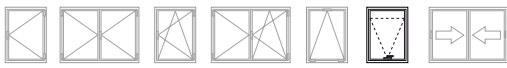
**CARACTERÍSTICAS TÉCNICAS**

- Se recomienda utilizar los compases limitadores como elemento adicional a los compases proyectantes a partir 1800 mm de altura de hoja y también en zonas expuestas a fuertes vientos o con restricciones en la limitación de apertura.

**TECHNICAL CHARACTERISTICS**

- Limiting friction stays are recommended for use as an additional part to the top-hung window friction stays for sash heights from 1800 mm and also in areas exposed to strong winds or with restrictions in the opening limitation.





KIT ÁNGULO DE REENVÍO HORIZONTAL  
HORIZONTAL CORNER DRIVE KIT

PUNTO DE CIERRE OCULTO  
HIDDEN LOCKING POINT

113420



ZM INX



ZM INX

112500



PUNTO DE CIERRE REGULABLE  
ADJUSTABLE LOCKING POINT

FALLEBA DE TRANSMISIÓN TROQUELADA  
PUNCHED OPERATING ROD TRANSMISSION

110200



ZM INX



AL

18016



KIT PUNTO DE CIERRE SUPLEMENTARIO  
SUPPLEMENTARY LOCKING POINT

FUNDA DE TRANSMISIÓN PROYECTANTE  
TOP-HUNG WINDOW TRANSMISSION COVER

113000



ZM INX

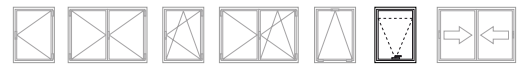
PA



ZM INX

180100





CERRADERO REGULABLE + CALZOS  
ADJUSTABLE KEEPER + SHIMS

180200

ZM INX  
PE



Cerradero regulable  $\pm 3$  mm  
 $\pm 3$  mm adjustable keeper

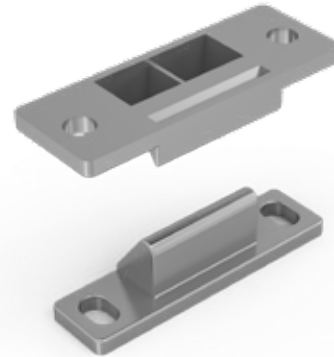
Calzo 1 mm  
1 mm shim

Calzo 2 mm  
2 mm shim

PUNTO DE CIERRE OCULTO MURO CORTINA  
CURTAIN WALL HIDDEN LOCKING POINT

ZM INX

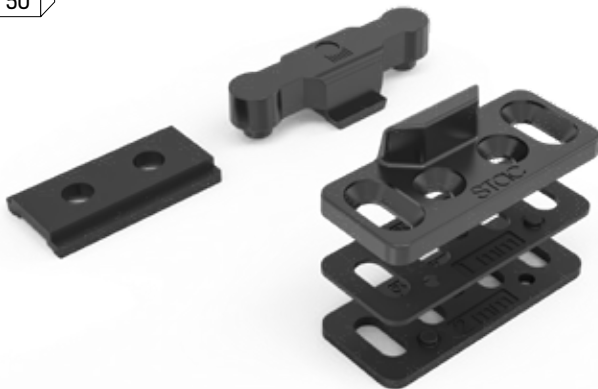
0518015

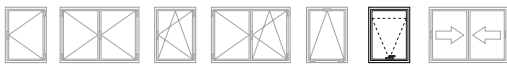


KIT PUNTO DE CIERRE PROYECTANTE  
TOP-HUNG WINDOW LOCKING POINT KIT

183000

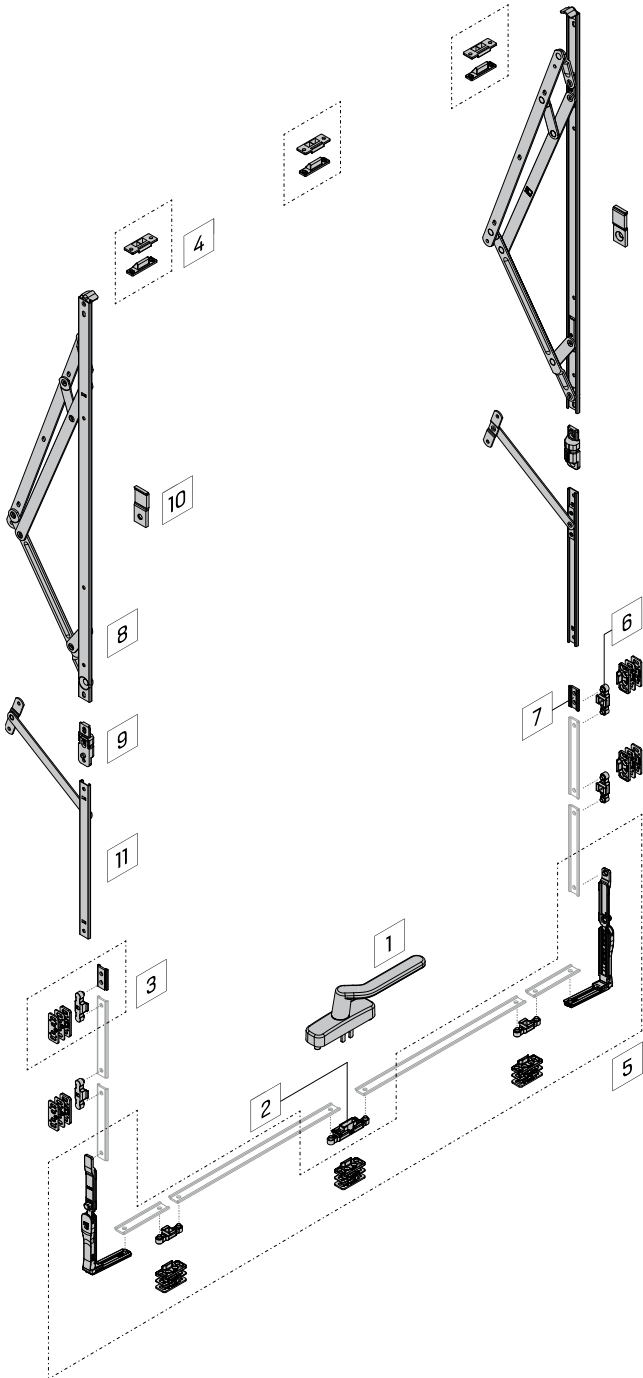
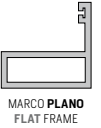
ZM INX  
PE



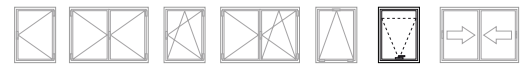


# CONFIGURACIÓN PROYECTANTE PARA MARCO PLANO

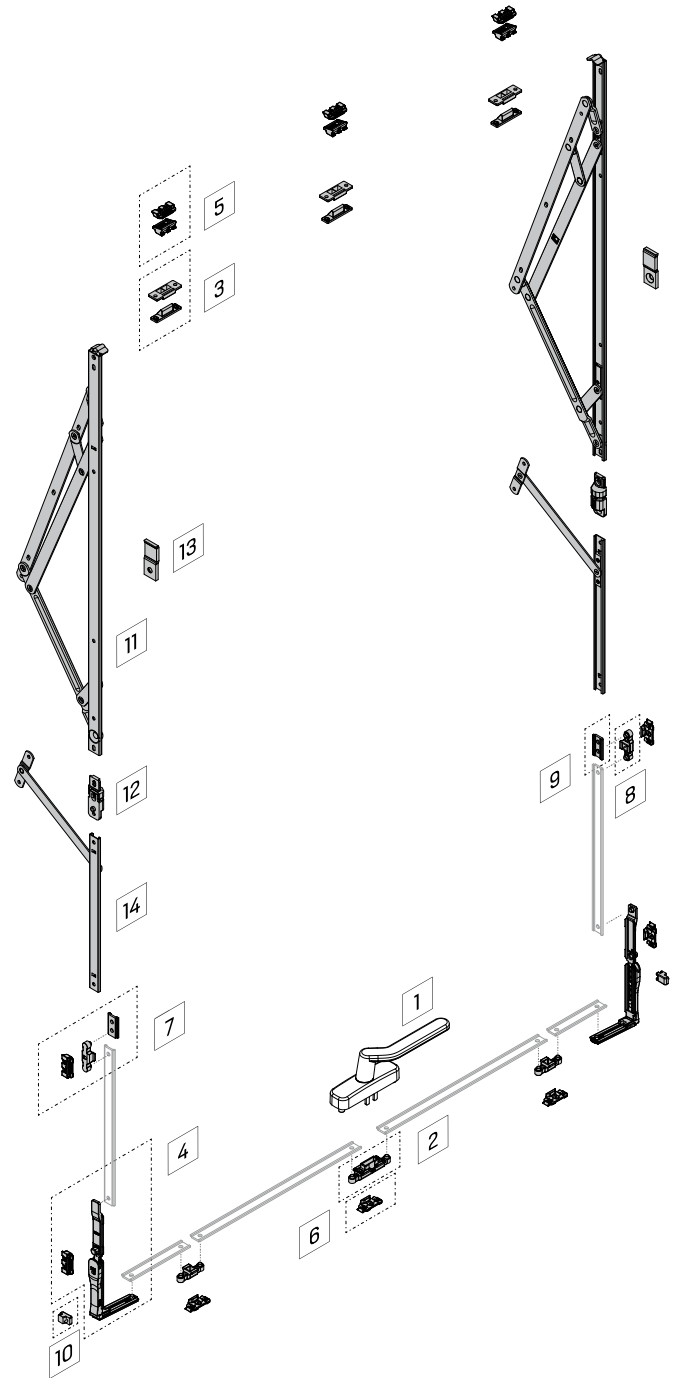
## TOP-HUNG WINDOW CONFIGURATION FOR FLAT FRAME



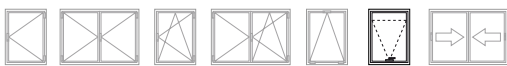
|           |                 |           |  |   |
|-----------|-----------------|-----------|--|---|
|           | <b>1161</b>     | <b>**</b> | <b>SIRIUS ACODADA PROYECTANTE</b><br>TOP-HUNG OFFSET SIRIUS                    |   |
| <b>1</b>  | <b>1166</b>     | <b>**</b> | <b>SIRIUS PROYECTANTE</b><br>TOP-HUNG SIRIUS                                   |   |
|           | <b>A1167</b>    | <b>**</b> | <b>SIRIUS BLOCK PROYECTANTE</b><br>TOP-HUNG SIRIUS BLOCK                       |   |
| <b>2</b>  | <b>180100</b>   |           | <b>FUNDA DE TRANSMISIÓN PROYECTANTE</b><br>TOP-HUNG TRANSMISSION COVER         |   |
| <b>3</b>  | <b>183000</b>   |           | <b>KIT PUNTO DE CIERRE PROYECTANTE</b><br>TOP-HUNG LOCKING POINT KIT           |   |
| <b>4</b>  | <b>0518015</b>  |           | <b>PTO. DE CIERRE OCULTO MURO CORTINA</b><br>CURTAIN WALL HIDDEN LOCKING POINT |   |
| <b>5</b>  | <b>183500</b>   |           | <b>KIT CIERRE PERIMETRAL</b><br>PERIMETER CLOSING KIT                          |   |
| <b>6</b>  | <b>0507042</b>  |           | <b>PUNTO DE CIERRE DESLIZADERA</b><br>SLIDER LOCKING POINT                     |   |
| <b>7</b>  | <b>07084</b>    |           | <b>FALLEBA DE UNIÓN Ø6 mm</b><br>Ø6 mm CONNECTING OPERATING ROD                | - |
| <b>8</b>  | <b>A18011</b>   |           | <b>COMPÁS MURO CORTINA PEQUEÑO</b><br>SMALL CURTAIN WALL FRICTION STAY         |   |
|           | <b>A18012</b>   |           | <b>COMPÁS MURO CORTINA GRANDE</b><br>LARGE CURTAIN WALL FRICTION STAY          |   |
| <b>9</b>  | <b>18200</b>    |           | <b>REGULADOR COMPÁS PROYECTANTE</b><br>TOP-HUNG FRICTION STAY ADJUSTER         |   |
| <b>10</b> | <b>A0518014</b> |           | <b>PLETINA LIMITADORA COMPÁS GRANDE</b><br>LARGE FRICTION STAY LIMITING PLATE  |   |
| <b>11</b> | <b>18010</b>    |           | <b>COMPÁS LIMITADOR</b><br>LIMITING FRICTION STAY                              |   |



|    |          |    |  |   |
|----|----------|----|--|---|
|    | 1161     | ** | <b>SIRIUS ACODADA PROYECTANTE</b><br>TOP-HUNG OFFSET SIRIUS                    |   |
| 1  | 1166     | ** | <b>SIRIUS PROYECTANTE</b><br>TOP-HUNG SIRIUS                                   |   |
|    | A1167    | ** | <b>SIRIUS BLOCK PROYECTANTE</b><br>TOP-HUNG SIRIUS BLOCK                       |   |
| 2  | 180100   |    | <b>FUNDA DE TRANSMISIÓN PROYECTANTE</b><br>TOP-HUNG TRANSMISSION COVER         |   |
| 3  | 0518015  |    | <b>PTO. DE CIERRE OCULTO MURO CORTINA</b><br>CURTAIN WALL HIDDEN LOCKING POINT |   |
| 4  | 113420   |    | <b>KIT ÁNGULO DE REENVÍO HORIZONTAL</b><br>HORIZONTAL CORNER DRIVE KIT         |   |
| 5  | 112500   |    | <b>PUNTO DE CIERRE OCULTO</b><br>HIDDEN LOCKING POINT                          |   |
| 6  | 110200   |    | <b>PUNTO DE CIERRE REGULABLE</b><br>ADJUSTABLE LOCKING POINT                   |   |
| 7  | 113000   |    | <b>KIT PUNTO DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKING POINT KIT    |   |
| 8  | 0507042  |    | <b>PUNTO DE CIERRE DESLIZADERA</b><br>SLIDER LOCKING POINT                     |   |
| 9  | 07084    |    | <b>FALLEBA DE UNIÓN Ø6 mm</b><br>Ø6 mm CONNECTING OPERATING ROD                | - |
| 10 | 0517193  |    | <b>RESBALÓN</b><br>LATCH   | - |
| 11 | A18011   |    | <b>COMPÁS MURO CORTINA PEQUEÑO</b><br>SMALL CURTAIN WALL FRICTION STAY         |   |
|    | A18012   |    | <b>COMPÁS MURO CORTINA GRANDE</b><br>LARGE CURTAIN WALL FRICTION STAY          |   |
| 12 | 18200    |    | <b>REGULADOR COMPÁS PROYECTANTE</b><br>TOP-HUNG FRICTION STAY ADJUSTER         |   |
| 13 | A0518014 |    | <b>PLETINA LIMITADORA COMPÁS GRANDE</b><br>LARGE FRICTION STAY LIMITING PLATE  |   |
| 14 | 18010    |    | <b>COMPÁS LIMITADOR</b><br>LIMITING FRICTION STAY                              |   |

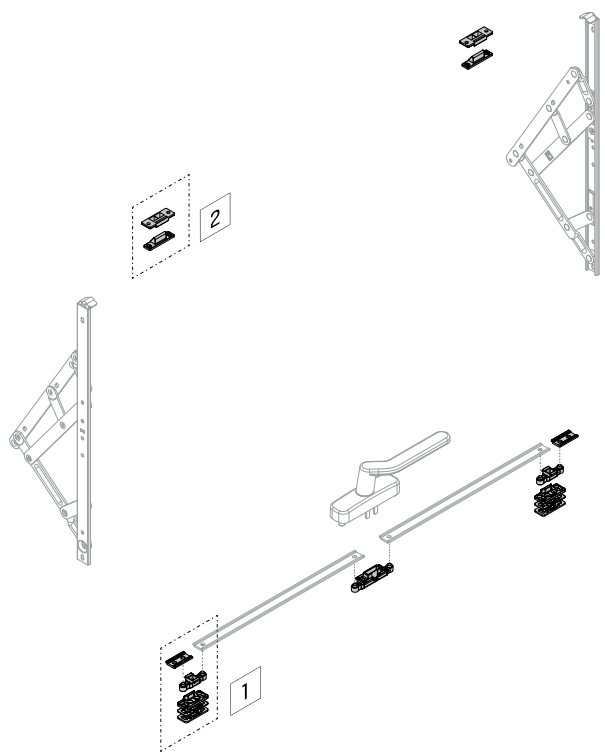






**CIERRE PERIMETRAL 4 PUNTOS**

4 POINTS PERIMETER LOCKING



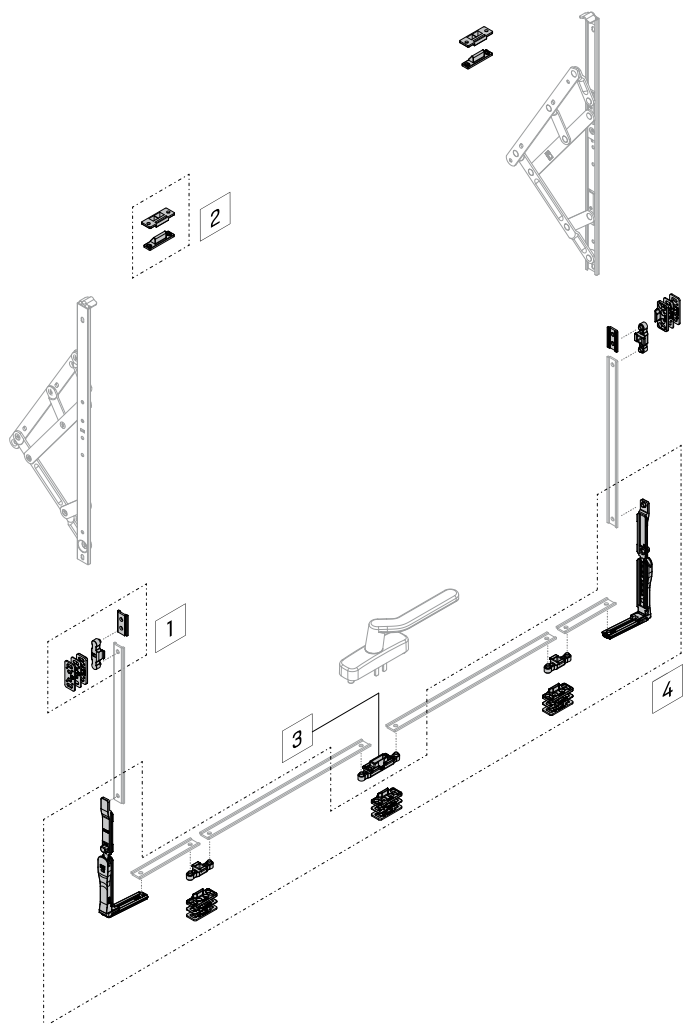
|   |                |  |  |
|---|----------------|--|--|
| 1 | <b>183000</b>  | <b>KIT PUNTO DE CIERRE PROYECTANTE</b><br>TOP-HUNG LOCKING POINT KIT           |  |
| 2 | <b>0518015</b> | <b>PTO. DE CIERRE OCULTO MURO CORTINA</b><br>CURTAIN WALL HIDDEN LOCKING POINT |  |
| 3 | <b>180100</b>  | <b>FUNDA DE TRANSMISIÓN PROYECTANTE</b><br>TOP-HUNG TRANSMISSION COVER         |  |

**Ver compases proyectantes compatibles (pág. 211-213)**

View compatible top-hung window friction stays (pág. 211-213)

**CIERRE PERIMETRAL 6 PUNTOS**

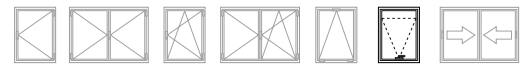
6 POINTS PERIMETER LOCKING



|   |                |  |  |
|---|----------------|--|--|
| 1 | <b>183000</b>  | <b>KIT PUNTO DE CIERRE PROYECTANTE</b><br>TOP-HUNG LOCKING POINT KIT           |  |
| 2 | <b>0518015</b> | <b>PTO. DE CIERRE OCULTO MURO CORTINA</b><br>CURTAIN WALL HIDDEN LOCKING POINT |  |
| 3 | <b>180100</b>  | <b>FUNDA DE TRANSMISIÓN PROYECTANTE</b><br>TOP-HUNG TRANSMISSION COVER         |  |
| 3 | <b>183500</b>  | <b>KIT CIERRE PERIMETRAL</b><br>PERIMETER LOCKING KIT                          |  |

**Ver compases proyectantes compatibles (pág. 211-213)**

View compatible top-hung window friction stays (pág. 211-213)



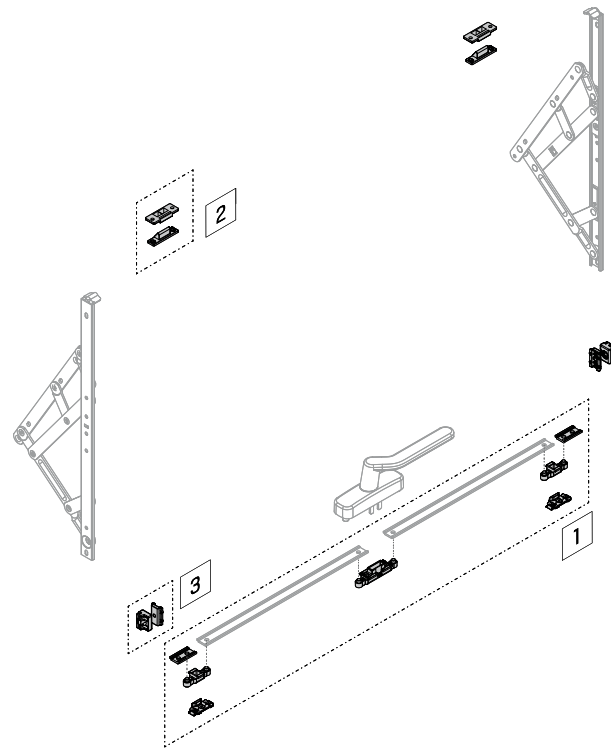
**CIERRE PERIMETRAL 4 PUNTOS**

4 POINTS PERIMETER LOCKING

|   |                |  |  |
|---|----------------|--|--|
| 1 | <b>182400</b>  | <b>KIT CIERRE INFERIOR PROYECTANTE</b><br>TOP-HUNG LOWER LOCKING KIT           |  |
| 2 | <b>0518015</b> | <b>PTO. DE CIERRE OCULTO MURO CORTINA</b><br>CURTAIN WALL HIDDEN LOCKING POINT |  |
| 3 | <b>0710621</b> | <b>CONJUNTO RESBALÓN</b><br>LATCH KIT  |  |

**Ver compases proyectantes compatibles (pág. 211-213)**

View compatible top-hung window friction stays (pág. 211-213)



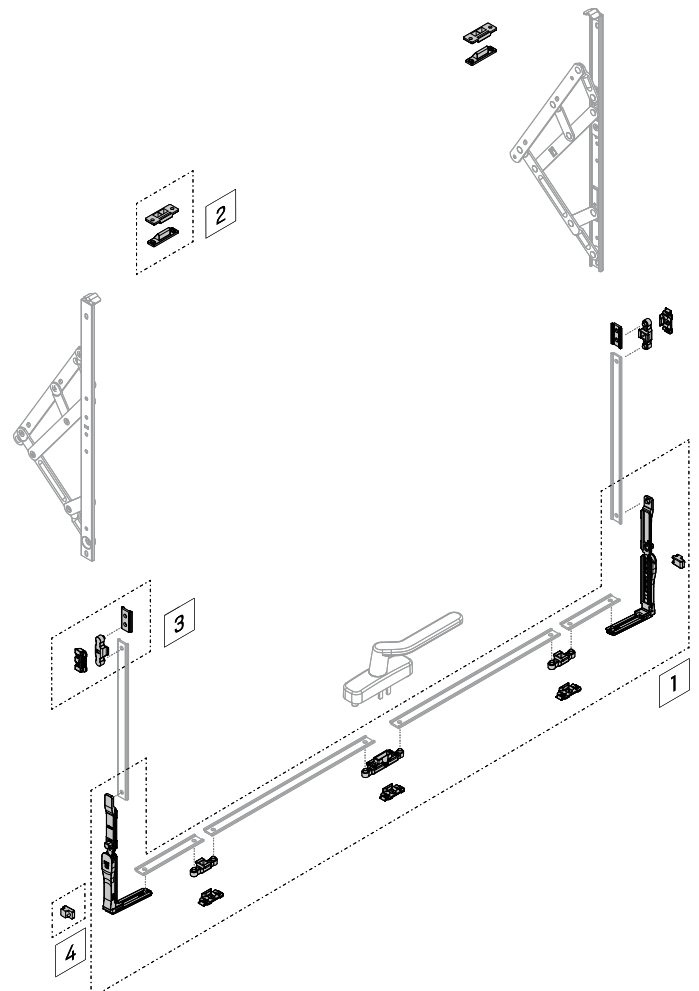
**CIERRE PERIMETRAL 6 PUNTOS**

6 POINTS PERIMETER LOCKING

|   |                |   |   |
|---|----------------|---|---|
| 1 | <b>183400</b>  | <b>KIT CIERRE PERIMETRAL CANAL EUROPEO</b><br>EURO GROOVE PERIMETER LOCKING KIT |   |
| 2 | <b>0518015</b> | <b>PTO. DE CIERRE OCULTO MURO CORTINA</b><br>CURTAIN WALL HIDDEN LOCKING POINT  |   |
| 3 | <b>113000</b>  | <b>KIT PUNTO DE CIERRE SUPLEMENTARIO</b><br>SUPPLEMENTARY LOCKING POINT KIT     |   |
| 4 | <b>0517193</b> | <b>RESBALÓN</b><br>LATCH  | - |

**Ver compases proyectantes compatibles (pág. 211-213)**

View compatible top-hung window friction stays (pág. 211-213)



13

# Contra-ventanas Window shutters

Cierre de presión PEGASO

PEGASO pressure lock

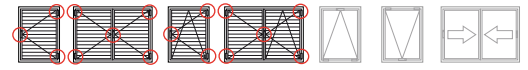
Bisagra PEGASO

PEGASO hinge



# CIERRE DE PRESIÓN PEGASO

## PEGASO PRESSURE LOCK



100002 \*\*



Cierre de presión y bisagra ambidiestra para contras de ventana.

Ambidextrous pressure lock and hinge for window shutters.

### CARACTERÍSTICAS TÉCNICAS

- Múltiple posicionamiento para diferentes sistemas mediante distanciadores simétricos que permite un perfecto ajuste en su instalación.
- Carga máxima con 2 bisagras: 50 kg.

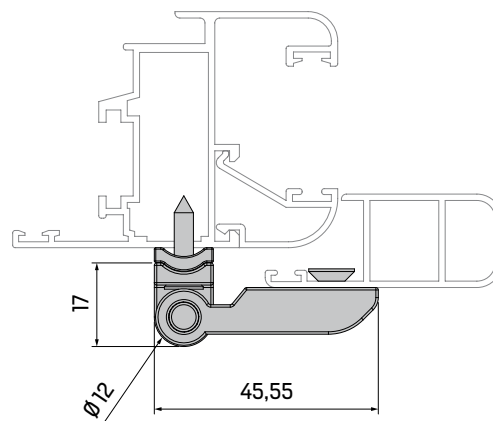
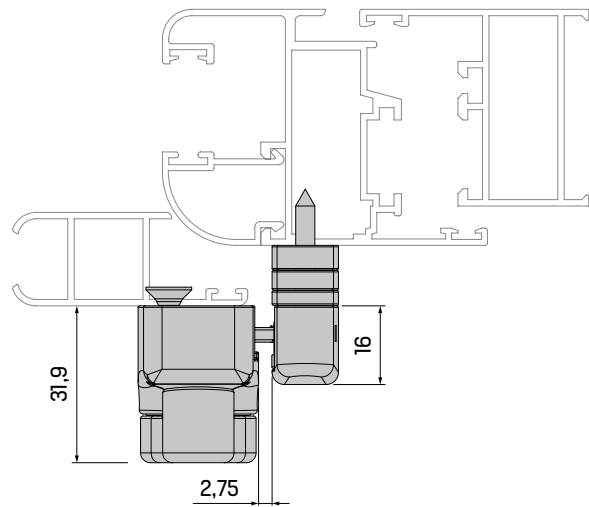
### TECHNICAL CHARACTERISTICS

- Multiple positioning for different systems by means of symmetrical spacers that allows a perfect adjustment when installing.
- Maximum load with 2 hinges: 50 kg.

# BISAGRAS PEGASO

## PEGASO HINGE

100001 \*\*



74

Correderas  
**ELEVABLES**  
Lift & Slide

Corredera elevable LS200  
LS200 Lift & Slide

Corredera elevable LS400  
LS400 Lift & Slide

Complementos para correderas elevables  
Lift & Slide accessories



Correderas  
**ELEVABLES**  
Lift & Slide



**Elevación equilibrada**  
Balanced elevation



**Esfuerzo reducido**  
Minimum effort



**Dispositivo de limpieza**  
Cleaning mechanism



**Amplio rango de cargas**  
Wide load range

El mercado del cerramiento arquitectónico demanda sistemas de corredera con menor sección visible de perfil que permitan mayor superficie de acristalamiento, mejora de las prestaciones en huecos de gran tamaño y fácil maniobrabilidad.

### LS200

El sistema de herraje elevable LS200 se presenta con el objetivo de dar una solución sólida y robusta a la creciente demanda del mercado del cerramiento.

Está diseñado de tal forma que permite un deslizamiento óptimo de las hojas de forma suave, silenciosa y sin esfuerzo.

Posibilita la consecución de espacios diáfanos a través de las distintas aplicaciones de 2, 3, 4 y hasta 6 hojas con diferentes combinaciones: fijas o correderas.

Por todo ello el sistema de herraje elevable STAC es la solución idónea para correderas elevables con huecos de gran tamaño, siendo claves su gran maniobrabilidad, comodidad y sencillez de uso.

### LS400

El sistema LS400, especialmente diseñado para hojas de gran peso y dimensiones, que permite una elevación totalmente vertical de la corredera. Las hojas no cabecean en los movimientos de descenso y elevación.

Dentro de sus características cabe destacar el reparto de peso equitativo de la hoja sobre cada rueda durante toda la cinemática de elevación, garantizando el funcionamiento correcto de los rodamientos sin gripados, roturas ni aparición de ruidos.

The architectural enclosure market demands sliding systems with smaller profile sizes allowing for greater glazing surface, improved performance in large openings and easy operability.

### LS200

LS200 System Hardware for Lift & Slide doors aims to provide a strong and long-lasting response to this growing demand from the market for lift and slide closures.

It is designed in such a way that it allows optimal sliding of the sashes in a smooth, silent and effortless way.

It allows light, open spaces to be created through combining 2, 3, 4 or even 6 sashes in various fixed / opening configurations.

Therefore, the STAC lifting system is the ideal solution for systems with large openings and heavy glazing; its key features being great manoeuvrability, comfort and simplicity of use.

### LS400

The LS400 system, specially designed for heavy and dimensional sashes, allows a totally vertical elevation of the slide. The sashes do not fit in the descent and elevation movements.

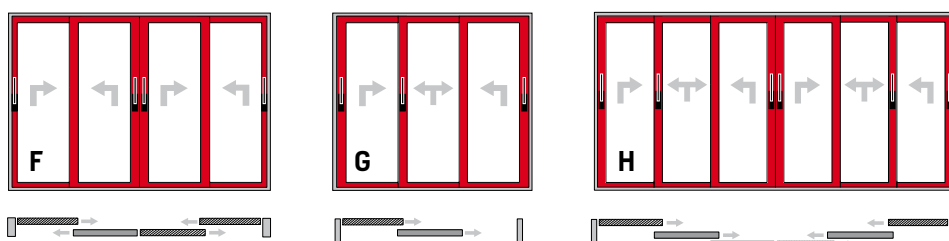
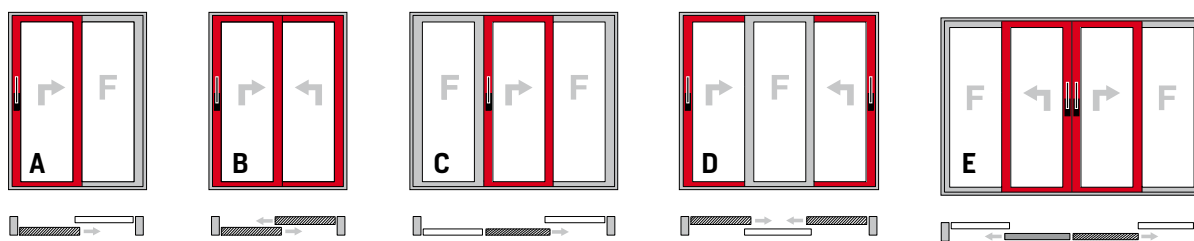
Among its characteristics, it is worth mentioning the equal weight distribution of the sash on each wheel during the entire lifting kinematics, guaranteeing the correct operation of the bearings without seizure, breakage or noise appearance.

## LS200




|   |  |
|---|--|
| <b>Peso de la hoja</b><br>Sash weight     | <b>200 - 250 kg</b>  |
| <b>Altura de la hoja</b><br>Sash height   | <b>3300 mm</b>   |
| <b>Anchura de la hoja</b><br>Sash width   | <b>550 - 3300 mm</b>   |
| <b>Altura del canal</b><br>Height groove  | <b>30 mm</b>   |
| <b>Carros LS200_16</b><br>LS200_16 bogies | <b>Ranura de ancho 16 mm</b><br>16 mm groove width   |
| <b>Carros LS200_18</b><br>LS200_18 bogies | <b>Ranura de ancho 18 mm (con calzos de adaptación)</b><br>18 mm groove width (with adaptative shims)  |
| <b>Carros LS200_22</b><br>LS200_22 bogies | <b>Ranura de ancho 22 mm (con calzos de adaptación)</b><br>22 mm groove width (with adaptative shims)  |
| <b>Transmisión</b><br>Drive gear          | <b>Aguja de 27,5 mm y distancia entre centros 80 mm</b><br>27,5 mm backset & 80 mm fixing C/C distance |

## LS400

|   |  |
|---|--|
| <b>Peso de la hoja</b><br>Sash weight     | <b>300 - 400 kg</b>  |
| <b>Altura de la hoja</b><br>Sash height   | <b>3300 mm</b>   |
| <b>Anchura de la hoja</b><br>Sash width   | <b>550 - 3300 mm</b>   |
| <b>Altura del canal</b><br>Height groove  | <b>42 mm</b>   |
| <b>Carros LS400_22</b><br>LS400_22 bogies | <b>Ranura de ancho 22 mm</b><br>22 mm groove width   |
| <b>Transmisión</b><br>Drive gear          | <b>Aguja de 37,5 mm y distancia entre centros 80 mm</b><br>37,5 mm backset & 80 mm fixing C/C distance |

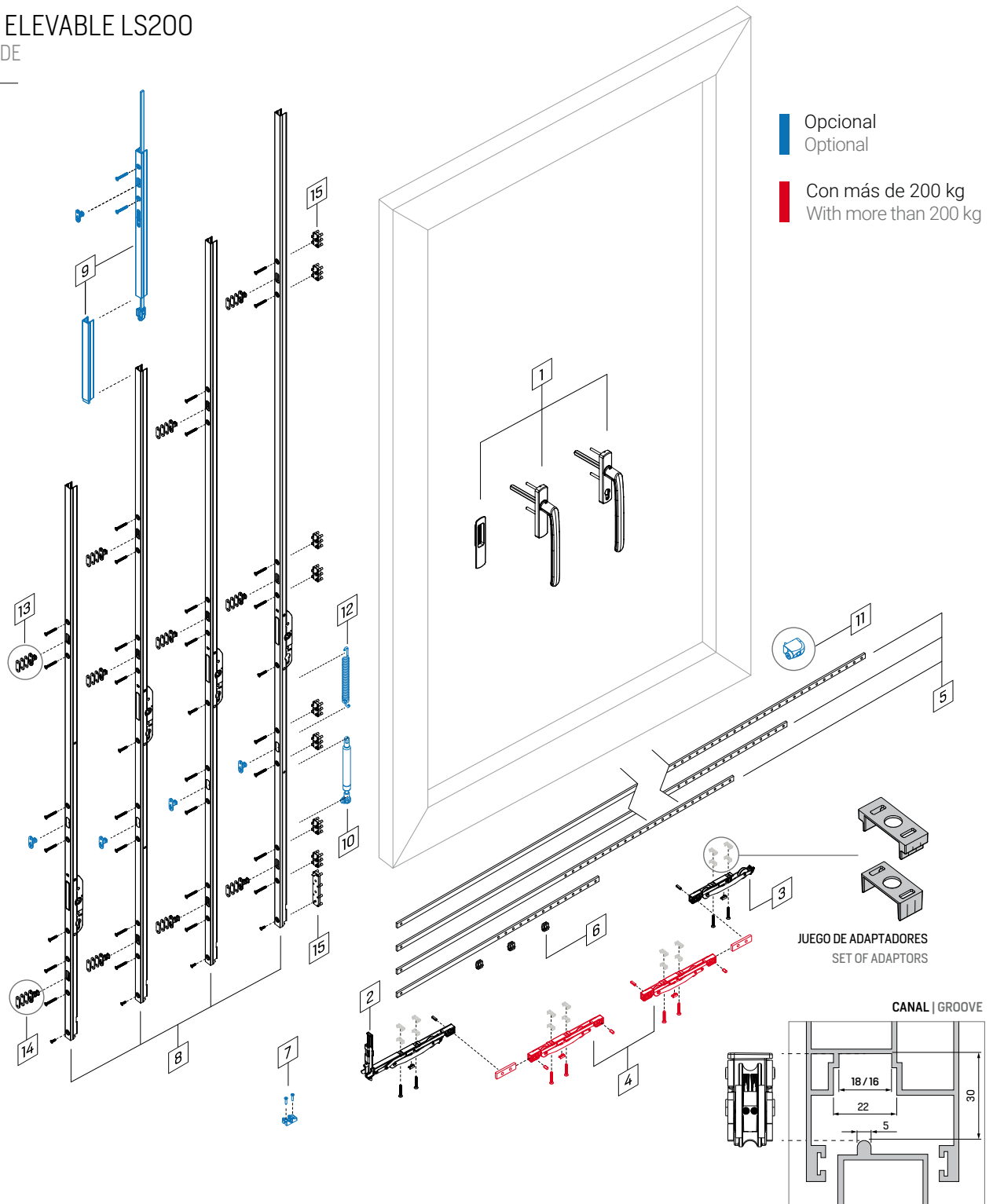


Z

-  Hoja principal Main sash
-  Hoja intermedia Intermediate sash
-  Hoja fija Fixed sash

# CORREDERA ELEVABLE LS200

LS200 LIFT & SLIDE



■ Opcional  
Optional

■ Con más de 200 kg  
With more than 200 kg

JUEGO DE ADAPTADORES  
SET OF ADAPTORS

CANAL | GROOVE

|   |  |         |
|---|--|---------|
| 1 | <b>Manillón ATRIA</b><br>ATRIA handle  | PAG. 78 |
| 2 | <b>Carro delantero</b><br>Front bogie  | 233501  |
| 3 | <b>Carro trasero</b><br>Rear bogie   | 233502  |
| 4 | <b>Carro suplementario</b><br>Supplementary bogie                                | 233503  |
|   | <b>Pletina de conexión 2760 mm</b><br>2760 mm connecting rod                     | 233010  |
|   | <b>Pletina de conexión 1760 mm</b><br>1760 mm connecting rod                     | 233011  |
| 5 | <b>Pletina de conexión 1260 mm</b><br>1760 mm connecting rod                     | 233012  |
|   | <b>Pletina de conexión 756 mm</b><br>756 mm connecting rod                       | 233013  |
| 6 | <b>Centraadores para pletina de conexión</b><br>Bottom guides for connecting rod | 237101  |
| 7 | <b>Punto de cierre horizontal</b><br>Horizontal locking point                    | 234322  |

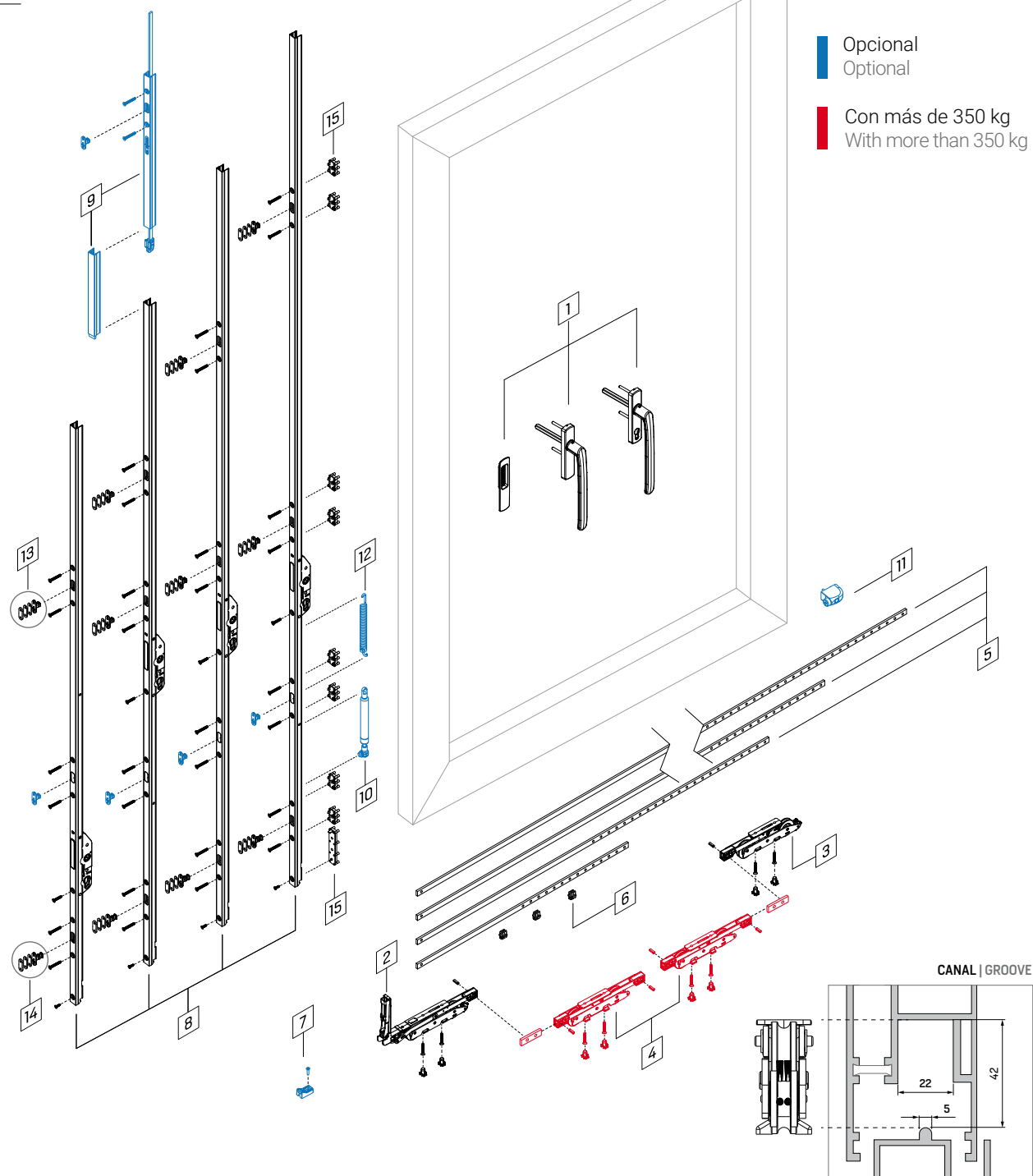
|    |  |         |
|----|--|---------|
|    | <b>Falleba de transmisión accesible 1800 mm</b><br>1800 mm accessible drive gear           | C234504 |
|    | <b>Falleba de transmisión 2100 mm</b><br>2100 mm drive gear                                | C234501 |
| 8  | <b>Falleba de transmisión 2400 mm</b><br>2400 mm drive gear                                | C234502 |
|    | <b>Falleba de transmisión 2700 mm</b><br>2700 mm drive gear                                | C234503 |
|    | <b>Prolongador 500 mm sin pto. de cierre</b><br>500 mm extension rod without locking point | 234010  |
| 9  | <b>Prolongador 500 mm con pto. de cierre</b><br>500 mm extension rod with locking point    | A234011 |
|    | <b>Cilindro amortiguador 150-250 kg</b><br>150-250 kg damping cylinder                     | 237002  |
| 10 | <b>Cilindro amortiguador 251-400 kg</b><br>251-400 kg damping cylinder                     | 237003  |
|    | <b>Tope blanco</b><br>White stop   | 234025  |
| 11 | <b>Tope negro</b><br>Black stop  | 234026  |

|    |  |         |
|----|--|---------|
| 12 | <b>Resorte compensador</b><br>Compensating spring                          | 237001  |
|    | <b>Punto de cierre + Calzos</b><br>Locking point + Shims                   | A234020 |
| 13 | <b>Punto de cierre corto + Calzos</b><br>Short locking point + Shims       | 234020  |
|    | <b>Punto de cierre MV + Calzos</b><br>MV locking point + Shims             | A234021 |
| 14 | <b>Punto de cierre MV corto + Calzos</b><br>Short MV locking point + Shims | 234021  |
| 15 | <b>Kit de calzos</b><br>Shim kit   | A2353   |
| -  | <b>Kit de tornillería</b><br>Screw kit                                     | 236007  |
| -  | <b>Kit puntos de cierre cortos</b><br>Short locking points kit             | 234301  |
| -  | <b>Kit puntos de cierre</b><br>Locking points kit                          | 234302  |
| -  | <b>Kit de elementos comunes</b><br>Common elements kit                     | 234303  |



# CORREDERA ELEVABLE LS400

## LS400 LIFT & SLIDE



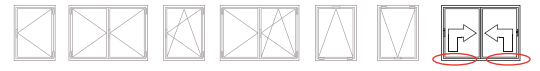
■ Opcional  
Optional

■ Con más de 350 kg  
With more than 350 kg

|   |   |         |
|---|---|---------|
| 1 | <b>Manillón ATRIA</b><br>ATRIA handle   | PAG. 78 |
| 2 | <b>Carro delantero</b><br>Front bogie   | 233001  |
| 3 | <b>Carro trasero</b><br>Rear bogie  | 233002  |
| 4 | <b>Carro suplementario</b><br>Supplementary bogie                               | 233003  |
| 5 | <b>Pletina de conexión 2760 mm</b><br>2760 mm connecting rod                    | 233010  |
|   | <b>Pletina de conexión 1760 mm</b><br>1760 mm connecting rod                    | 233011  |
|   | <b>Pletina de conexión 1260 mm</b><br>1260 mm connecting rod                    | 233012  |
| 6 | <b>Pletina de conexión 756 mm</b><br>756 mm connecting rod                      | 233013  |
|   | <b>Centradores para pletina de conexión</b><br>Bottom guides for connecting rod | 237101  |
| 7 | <b>Punto de cierre horizontal</b><br>Horizontal locking point                   | 234022  |

|    |  |         |
|----|--|---------|
| 1  | <b>Falleba de transmisión accesible 1800 mm</b><br>1800 mm accessible drive gear           | C234004 |
|    | <b>Falleba de transmisión 2100 mm</b><br>2100 mm drive gear                                | C234001 |
| 8  | <b>Falleba de transmisión 2400 mm</b><br>2400 mm drive gear                                | C234002 |
| 9  | <b>Falleba de transmisión 2700 mm</b><br>2700 mm drive gear                                | C234003 |
|    | <b>Prolongador 500 mm sin pto. de cierre</b><br>500 mm extension rod without locking point | 234010  |
| 10 | <b>Prolongador 500 mm con pto. de cierre</b><br>500 mm extension rod with locking point    | A234011 |
| 11 | <b>Cilindro amortiguador 150-250 kg</b><br>150-250 kg damping cylinder                     | 237002  |
|    | <b>Cilindro amortiguador 251-400 kg</b><br>251-400 kg damping cylinder                     | 237003  |
| 12 | <b>Tope blanco</b><br>White stop   | 234025  |
|    | <b>Tope negro</b><br>Black stop  | 234026  |

|    |  |         |
|----|--|---------|
| 12 | <b>Resorte compensador</b><br>Compensating spring                                    | 237001  |
| 13 | <b>Punto de cierre + Calzos</b><br>Locking point + Shims                             | A234020 |
| 14 | <b>Punto de cierre MV + Calzos</b><br>MV locking point + Shims                       | A234021 |
| 15 | <b>Kit de calzos</b><br>Shim kit   | A2350   |
| 16 | <b>Kit de tornillería</b><br>Screw kit   | 236004  |
|    | <b>Kit pto. de cierre sin calzos</b><br>Locking points kit without shims             | 234101  |
| 17 | <b>Kit pto. de cierre con calzos de 15 mm</b><br>Locking points kit with 15 mm shims | 234102  |
| 18 | <b>Kit de elementos comunes</b><br>Common elements kit                               | 234103  |



CARRO DELANTERO  
FRONT BOGIE

233001



CARRO TRASERO  
REAR BOGIE

233002

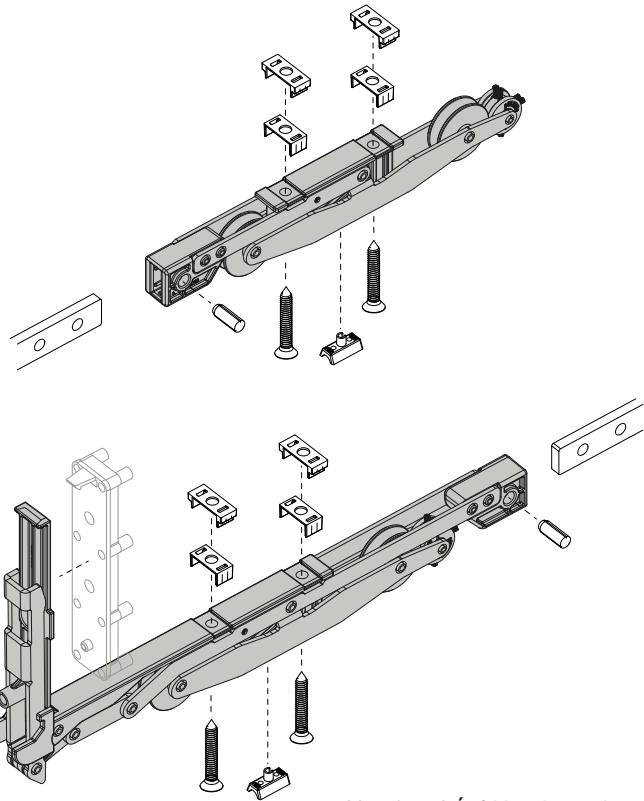


CARACTERÍSTICAS TÉCNICAS

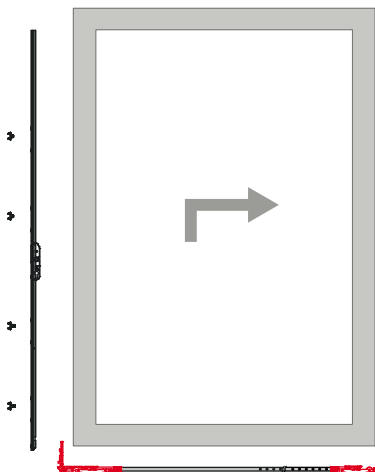
- Soporta configuraciones de hasta 200 kg de hoja.
- Para configuraciones hasta 250 kg se han de añadir carros suplementarios.
- Adaptadores para diferentes canales en este tipo de series (16, 18 y 22 mm).
- Puntos de cierre en acero AISI 304 disponibles con / sin microventilación.
- Puntos de cierre de marco para soluciones de múltiples hojas.
- Ruedas de resina reforzadas para soportar altas cargas.
- Sistema de limpieza rotacional con el movimiento de las ruedas.
- Fijación al perfil a través de tornillería con cabeza Pozidrive.
- Disponibles calzos de 1 y 2 mm para compensar la altura de hoja (carros móviles y fijos).

TECHNICAL CHARACTERISTICS

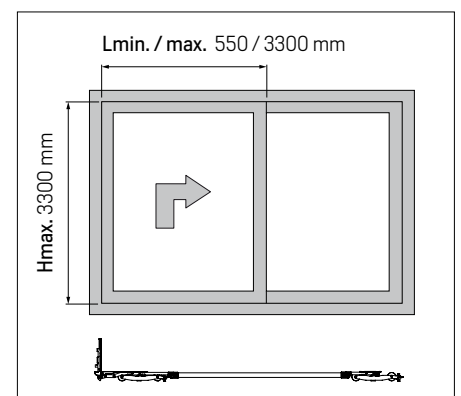
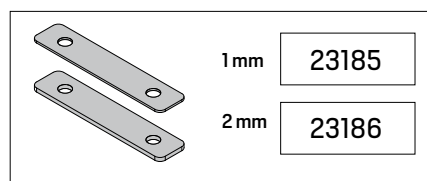
- It will support configurations of up to 200 kg per sash.
- For configurations of up to 250 kg, additional bogies must be added.
- Adaptors for different grooves available in this type of series (16, 18 and 22 mm).
- AISI 304 locking points available with / without microventilation.
- Frame locking points for multi-sash systems.
- Reinforced resin wheels to support heavy loads.
- A rotational cleaning system synchronised by wheel movement.
- Pozidrive head screws used for fixing to the profile.
- 1 and 2 mm shims are available to compensate for sash height (mobile and fixed bogies).

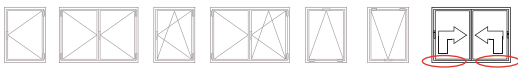


CONFIGURACIÓN | CONFIGURATION ≤ 200 kg



CALZOS SHIMS 1-2 mm





### TECHNICAL CHARACTERISTICS

- 1 and 2 mm shims are available to compensate for sash height (mobile and fixed bogies).

#### Supplementary bogie

- Two units per sash are added for configurations of between 200- 250 kg.
- Pozidrive head screws used for fixing to the profile.
- Supplied bagged and packed in individual boxes together with connectors and screws kit.

#### Fixed bogie

- Allows the fixed sash to be placed at the same height as the movable sash.

In case of heavy weight and large dimensions, please contact to technical department (sistemas@stac.es).

### CARACTERÍSTICAS TÉCNICAS

- Disponibles calzos de 1 y 2 mm para compensar la altura de hoja (carros móviles y fijos).

#### Carro suplementario

- Se añaden dos unidades por hoja en configuraciones entre 201 kg - 250 kg.
- Fijación al perfil a través de tornillería con cabeza Pozidrive.
- Se sirve embolsado en caja individual junto con pletinas de unión y kit tornillería.

#### Carro fijo

- Permite ubicar la hoja fija a la misma altura que la hoja móvil.

Para configuraciones de grandes dimensiones y pesos consultar con el departamento técnico (sistemas@stac.es).

### CARRO SUPLEMENTARIO SUPPLEMENTARY BOGIE



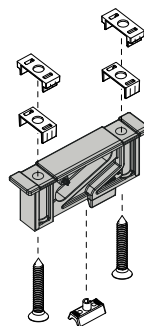
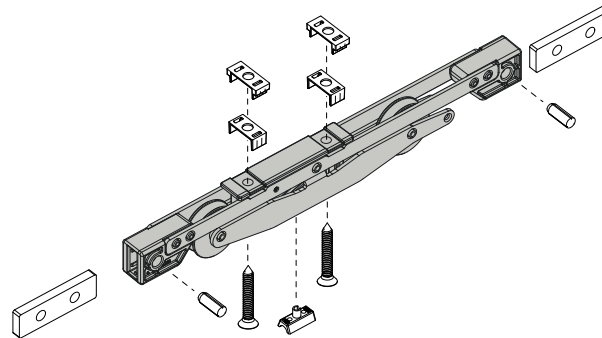
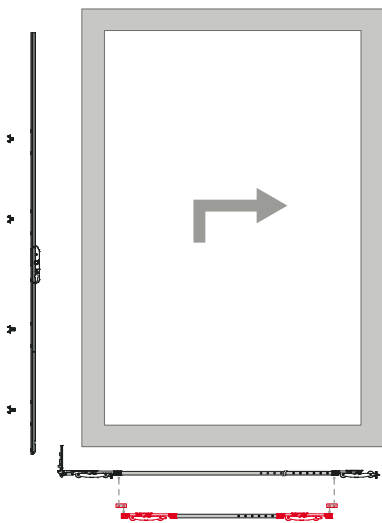
233003



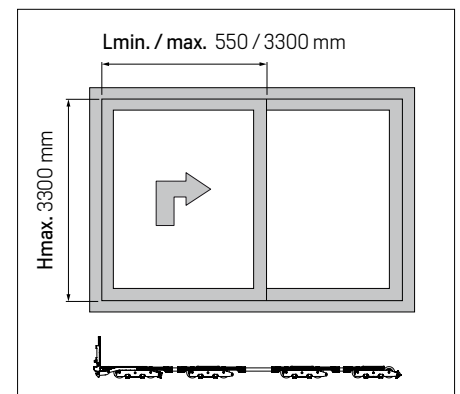
### CARRO FIJO FIXED BOGIE

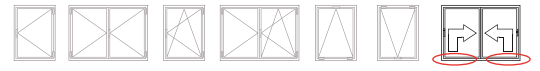


233004



### CONFIGURACIÓN | CONFIGURATION 201 - 250 kg





CARRO DELANTERO  
FRONT BOGIE

233501



CARACTERÍSTICAS TÉCNICAS

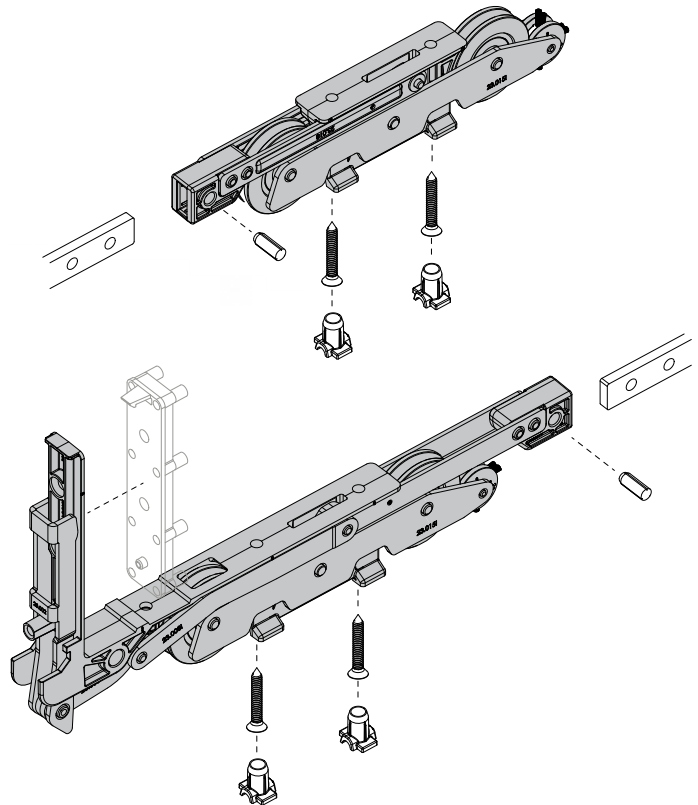
- Soporta configuraciones de hasta 300 kg de hoja.
- Para configuraciones hasta 400 kg se han de añadir carros suplementarios.
- Puntos de cierre en acero AISI 304 disponibles con / sin microventilación.
- Puntos de cierre de marco para soluciones de múltiples hojas.
- Ruedas de resina reforzadas para soportar altas cargas.
- Sistema de limpieza rotacional sincronizada con el movimiento de las ruedas.
- Fijación al perfil a través de tornillería con cabeza Pozidrive.
- Disponibles calzos de 1 y 2 mm para compensar la altura de hoja (carros móviles y fijos).

TECHNICAL CHARACTERISTICS

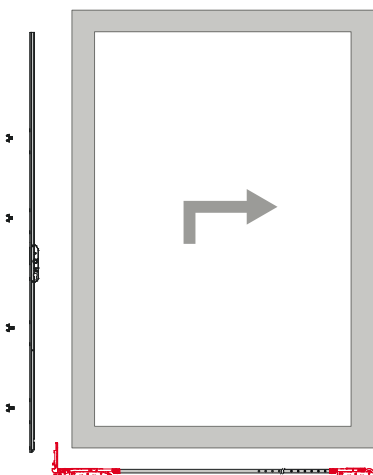
- It will support configurations of up to 300 kg per sash.
- For configurations of up to 400 kg, additional bogies must be added.
- AISI 304 locking points available with / without microventilation.
- Frame locking points for multi-sash systems.
- Reinforced resin wheels to support heavy loads.
- A rotational cleaning system synchronised by wheel movement.
- Pozidrive head screws used for fixing to the profile.
- 1 and 2 mm shims are available to compensate for sash height (mobile and fixed bogies).

CARRO TRASERO  
REAR BOGIE

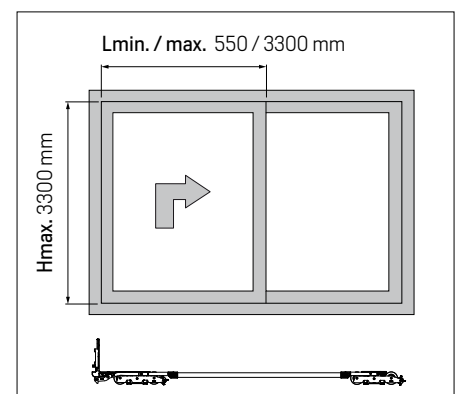
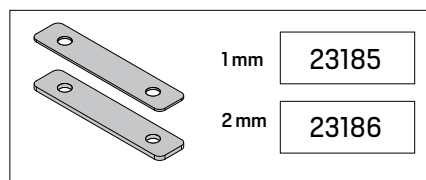
233502

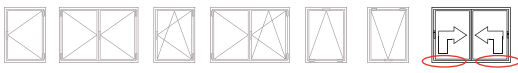


CONFIGURACIÓN | CONFIGURATION ≤ 300 kg



CALZOS SHIMS 1-2 mm





### TECHNICAL CHARACTERISTICS

- 1 and 2 mm shims are available to compensate for sash height (mobile and fixed bogies).

#### Supplementary bogie

- Two units per sash are added for configurations of between 300–400 kg.
- Pozidrive head screws used for fixing to the profile.
- Supplied bagged and packed in individual boxes together with connectors and screws kit.

#### Fixed bogie

- Allows the fixed sash to be placed at the same height as the movable sash.

In case of heavy weight and large dimensions, please contact to technical department (sistemas@stac.es).

### CARACTERÍSTICAS TÉCNICAS

- Disponibles calzos de 1 y 2 mm para compensar la altura de hoja (carros móviles y fijos).

#### Carro suplementario

- Se añaden dos unidades por hoja en configuraciones entre 301 kg – 400 kg.
- Fijación al perfil a través de tornillería con cabeza Pozidrive.
- Se sirve embolsado en caja individual junto con pletinas de unión y kit tornillería.

#### Carro fijo

- Permite ubicar la hoja fija a la misma altura que la hoja móvil.

Para configuraciones de grandes dimensiones y pesos consultar con el departamento técnico (sistemas@stac.es).

### CARRO SUPLEMENTARIO SUPPLEMENTARY BOGIE



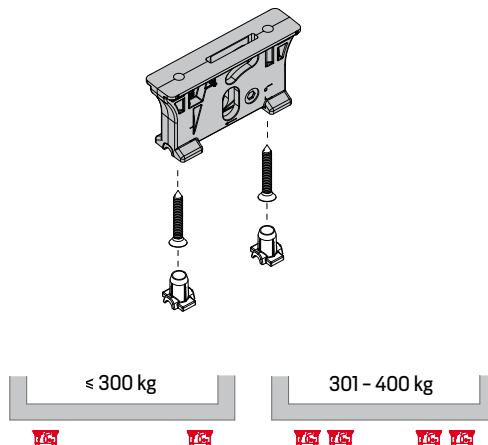
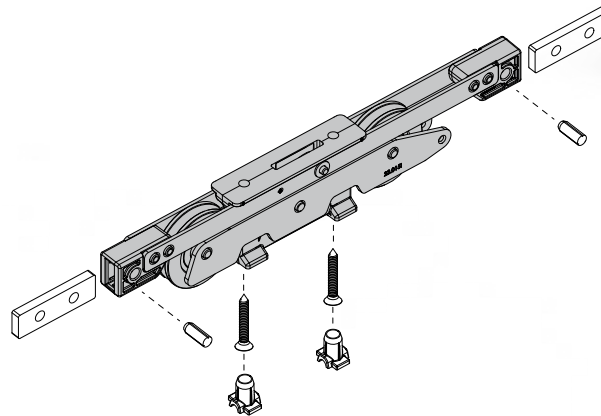
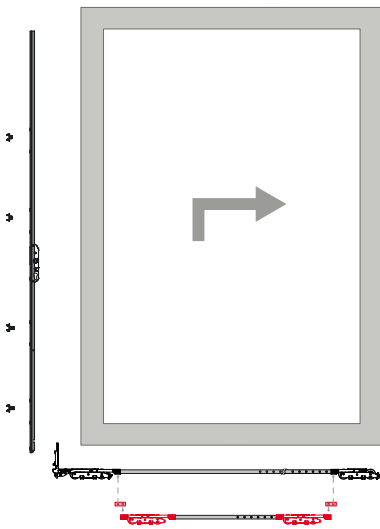
233503



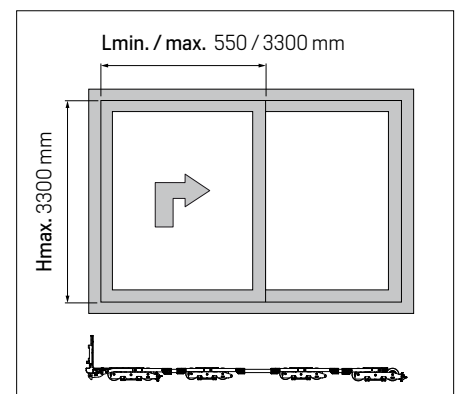
### CARRO FIJO FIXED BOGIE



233504

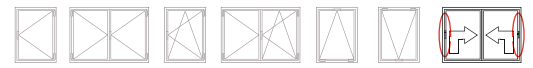


#### CONFIGURACIÓN | CONFIGURATION 301 – 400 kg



# FALLEBA DE TRANSMISIÓN

DRIVE GEAR



|         |         |
|---------|---------|
| C234501 | 2100 mm |
| C234502 | 2400 mm |
| C234503 | 2700 mm |
| C234504 | 1800 mm |

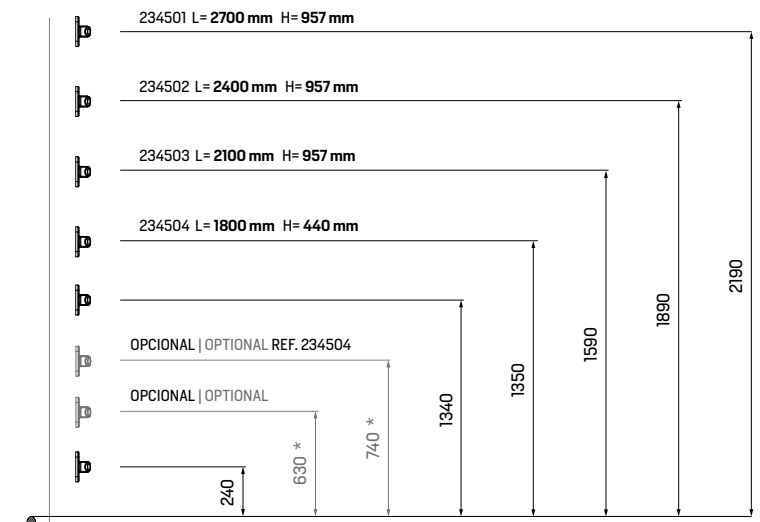
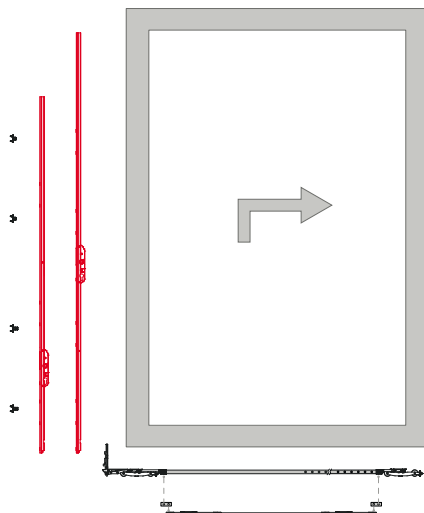
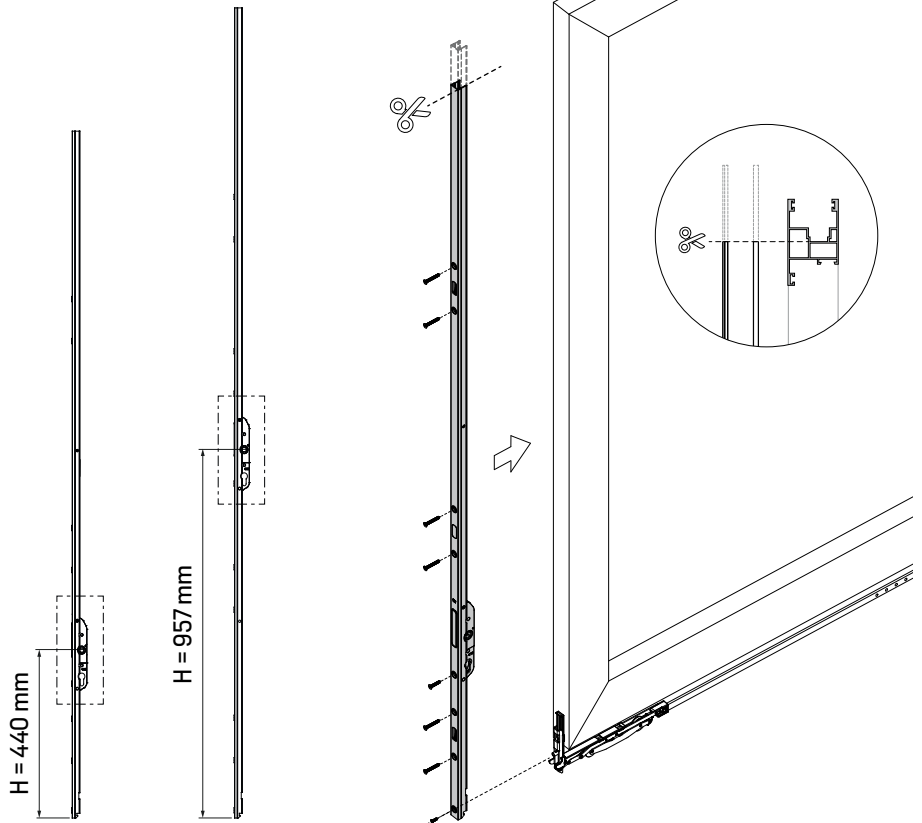
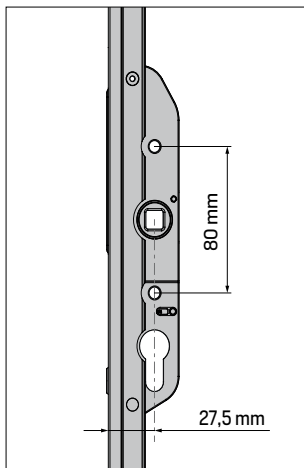


## CARACTERÍSTICAS TÉCNICAS

- Aguja de 27,5mm.
- Distancia centros de fijación 80 mm.
- Disponible falleba accesible
- Pre-instalación para cilindro.
- Configuración básica: 3 puntos de cierre más 1 opcional.
- Posibilidad de añadir prolongador con punto de cierre para configuraciones de alto de hoja mayores a 2800 mm.
- Piezas de acero zincadas con una resistencia a corrosión >240 horas.

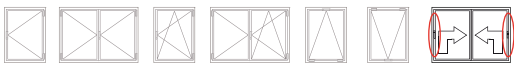
## TECHNICAL CHARACTERISTICS

- 27,5 mm backset.
- 80 mm fixing C/C distance.
- Available accessible drive gear.
- Pre-installation for cylinder.
- Basic configuration: 3 locking points plus 1 optional.
- Possibility of adding an extension rod with a locking point for sash configurations of 2800 mm or higher.
- Zinc plated steel pieces with a corrosion resistance of >240 hours.



H = ALTURA CUADRADILLO SPINDLE HEIGHT

L = ALTURA MÁX. FALLEBA DE TRANSMISIÓN MAX. HEIGHT OF DRIVE GEAR



**TECHNICAL CHARACTERISTICS**

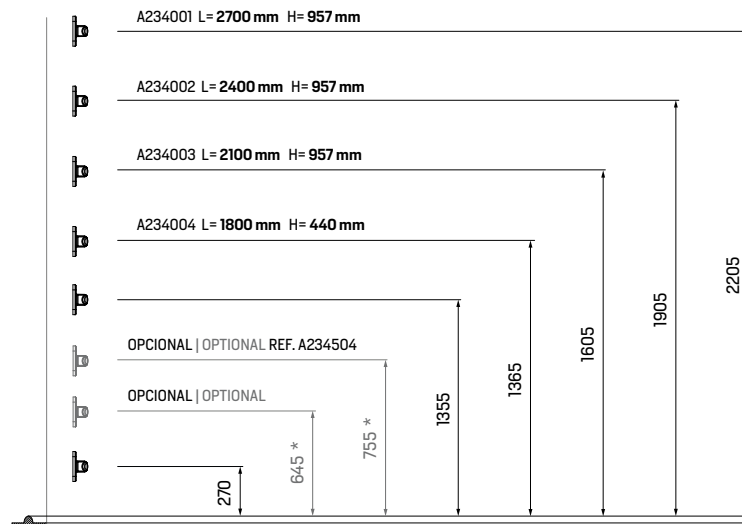
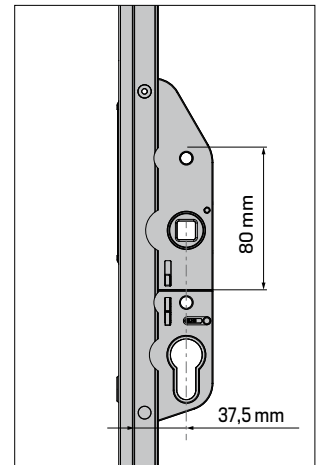
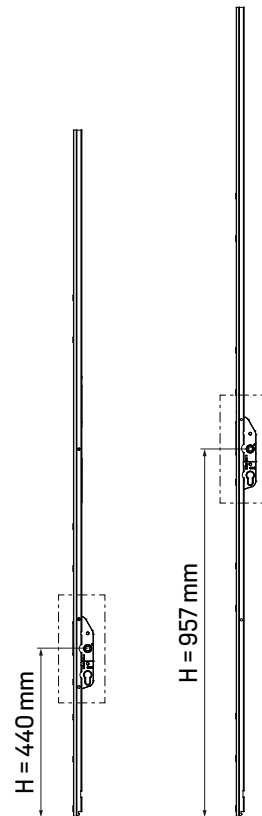
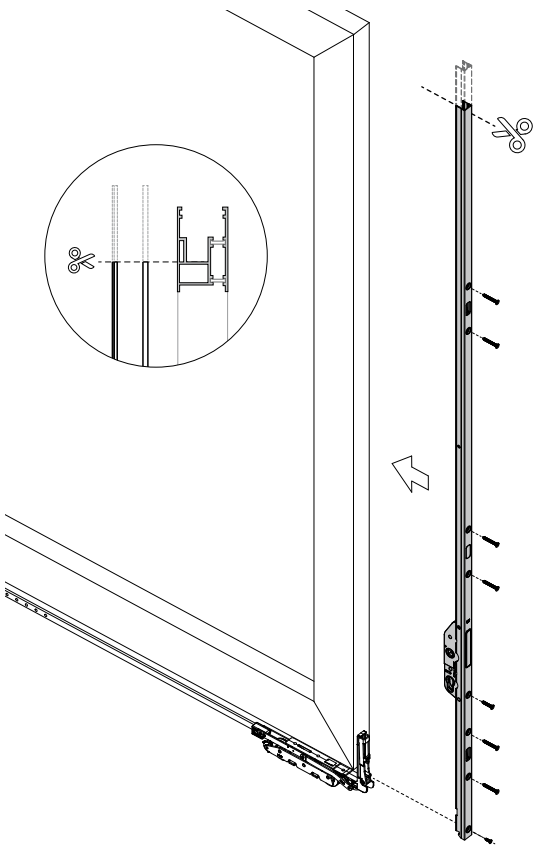
- 37,5 mm backset.
- 80 mm fixing C/C distance.
- Available accessible drive gear.
- Pre-installation for cylinder.
- Basic configuration: 3 locking points plus 1 optional.
- Possibility of adding an extension rod with a locking point for sash configurations of 2800 mm or higher.
- Zinc plated steel pieces with a corrosion resistance of >240 hours.

**CARACTERÍSTICAS TÉCNICAS**

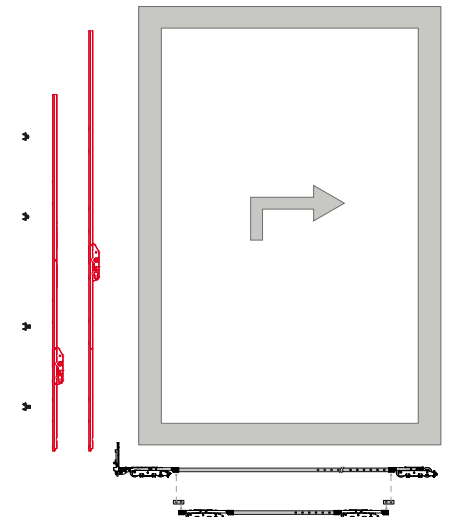
- Aguja de 37,5mm.
- Distancia centros de fijación 80 mm.
- Disponible falleba accesible
- Pre-instalación para cilindro.
- Configuración básica: 3 puntos de cierre más 1 opcional.
- Posibilidad de añadir prolongador con punto de cierre para configuraciones de alto de hoja mayores a 2800 mm.
- Piezas de acero zincadas con una resistencia a corrosión >240 horas.

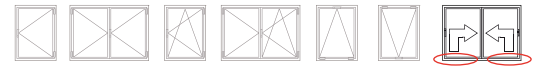


|         |         |
|---------|---------|
| 2100 mm | C234001 |
| 2400 mm | C234002 |
| 2700 mm | C234003 |
| 1800 mm | C234004 |



H = ALTURA CUADRADILLO SPINDLE HEIGHT  
L = ALTURA MÁX. FALLEBA DE TRANSMISIÓN MAX. HEIGHT OF DRIVE GEAR





|        |         |
|--------|---------|
| 233010 | 2760 mm |
| 233011 | 1760 mm |
| 233012 | 1260 mm |
| 233013 | 756 mm  |

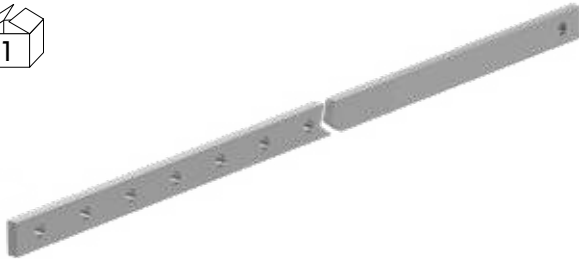


**CARACTERÍSTICAS TÉCNICAS**

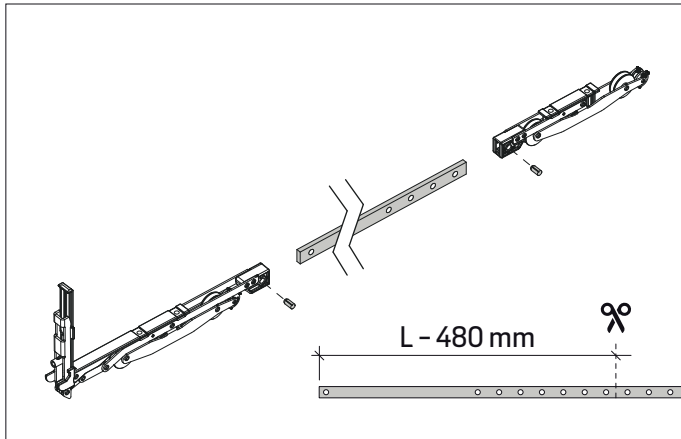
- Adaptables a un amplio rango de anchos de hoja gracias al multiperforado.
- Fijación mediante bulones de acero.
- Resistencia a corrosión > 240 horas en cámara de niebla salina.

**TECHNICAL CHARACTERISTICS**

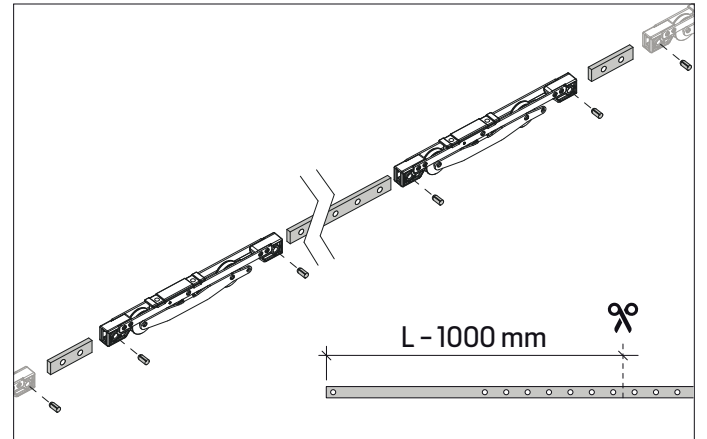
- Adaptable to a wide range of sash widths thanks to multiperforations.
- Fixing using steel bolts.
- Corrosion resistance of >240 hours in a saline mist chamber.



**CONFIGURACIÓN ESTÁNDAR**  
STANDARD ASSEMBLY



**CONFIGURACIÓN CON 2 CARROS SUPLEMENTARIOS**  
ASSEMBLY WITH 2 SUPPLEMENTARY BOGIES



| REFERENCIA<br>REFERENCE | LONGITUD<br>LENGTH | CONFIG. ESTÁNDAR<br>STANDARD ASSEMBLY | CON CARROS SUPLEMENTARIOS<br>WITH SUPPLEMENTARY BOGIES | CENTRADORES<br>BOTTOM GUIDES |
|-------------------------|--------------------|---------------------------------------|--|------------------------------|
| 233010                  | 2760 mm            | 2301 - 3300 mm                        | 2801 - 3800 mm   | 6                            |
| 233011                  | 1760 mm            | 1801 - 2300 mm                        | 2301 - 2800 mm   | 3                            |
| 233012                  | 1260 mm            | 1801 - 1800 mm                        | 1801 - 2300 mm   | 2                            |
| 233013                  | 756 mm             | 600 - 1300 mm                         | 1100 - 1800 mm   | 1                            |

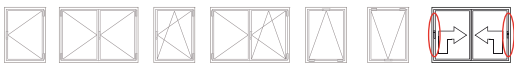
0423071



Se incluyen 3 centradores para la pletina de conexión en los kits de cerraderos: 234101, 234102, 234103, 234301, 234302 y 234303.

3 bottom guides for the connecting rod are included in the locking point kits: 234101, 234102, 234103, 234301, 234302 & 234303.





### TECHNICAL CHARACTERISTICS

#### Extension rod with locking point

- It has an additional locking point for window height configurations of more than 2800 mm and can reach heights of up to 3300 mm.
- Extension length fixing using serrated grub screws.
- Joining to the drive gear by using a screw.
- Pozidrive head screws used for fixing to the profile.
- Zinc plated steel pieces with a corrosion resistance of >240 hours in a saline mist chamber.

#### Extension rod without locking point

- Option for sash configurations up to 2800 mm in height where an additional locking point is required. It is also possible to add it to the drive gear and the extension rod with the additional locking point.
- Finished in natural matt silver anodized.

### CARACTERÍSTICAS TÉCNICAS

#### Prolongador con punto de cierre

- Aporta un punto de cierre extra en configuraciones de ventana de altura superior a 2800 mm pudiendo llegar hasta alturas de hoja de 3300 mm
- Fijación de longitud de alargamiento a través de prisioneros dentados.
- Unión al frente falleba a través de un tornillo.
- Fijación al perfil a través de tornillería con cabeza Pozidrive.
- Piezas de acero zincadas con una resistencia a corrosión >240 horas en cámara de niebla salina.

#### Prolongador sin punto de cierre

- Opción para configuraciones de hoja superiores a 2800 mm de altura en la que no se necesita un punto de cierre extra. También es posible añadirlo entre el frente falleba y el prolongador con el punto de cierre adicional.
- Acabado anodizado natural mate.

### PROLONGADOR CON PUNTO DE CIERRE EXTENSION ROD WITH LOCKING POINT



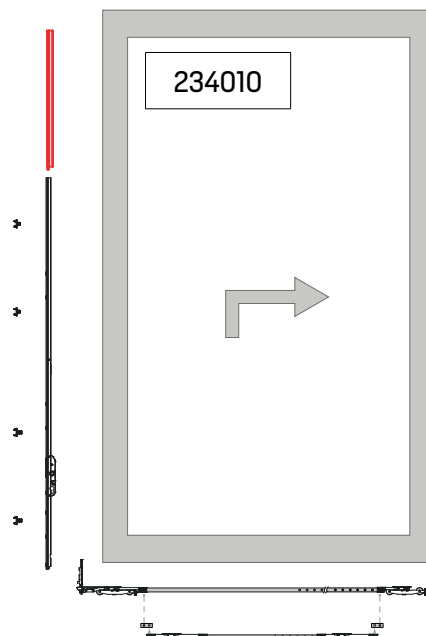
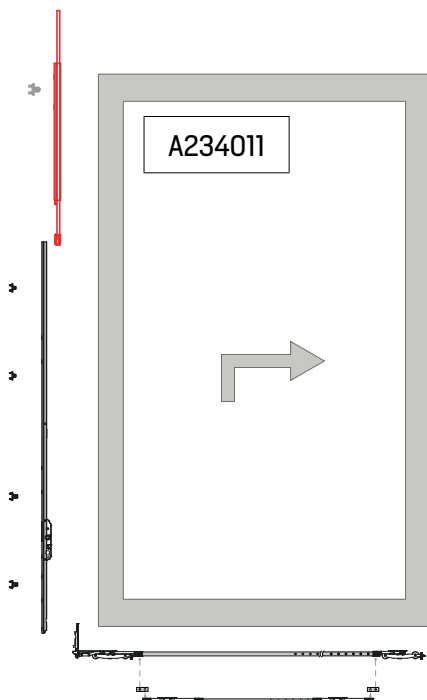
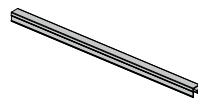
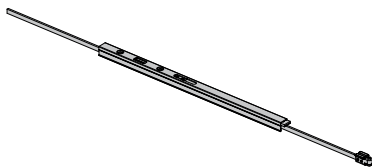
A234011



### PROLONGADOR SIN PUNTO DE CIERRE EXTENSION ROD WITHOUT LOCKING POINT

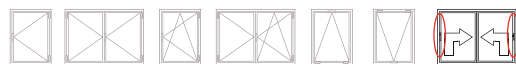


234010



INSTRUCCIONES DE MONTAJE  
ASSEMBLY INSTRUCTIONS

## CILINDRO DE AMORTIGUACIÓN DAMPING CYLINDER



237002

237003

237004

237005



El sistema SOFT LIFT permite trasladar la manilla a la posición de cierre de una manera suave e intuitiva.

### CARACTERÍSTICAS TÉCNICAS

- Amortiguación suave y precisa en la bajada de la hoja.
- Evita golpes bruscos de la manilla.
- Aumento de la durabilidad del mecanismo de elevación.
- Mecanismo integrado en cualquier medida de falleba.

The SOFT LIFT system allows the handle to be moved to the closing system in a gentle and intuitive manner.

### TECHNICAL CHARACTERISTICS

- Gentle and precise damping of the sash as it drops.
- Avoids sudden impacts of the handle.
- Increases the lifetime of the lifting mechanism.
- Mechanism integrated in any size of drive gear.

### CILINDRO DE AMORTIGUACIÓN DAMPING CYLINDER

| REFERENCIA<br>REFERENCE | PESO POR HOJA<br>WEIGHT PER SASH | FALLEBA DE TRANSMISIÓN<br>DRIVE GEAR |
|-------------------------|----------------------------------|--------------------------------------|
| 237002                  | 150 - 250 kg                     | C234001                              |
|                         |                                  | C234002                              |
|                         |                                  | C234003                              |
| 237003                  | 251 - 400 kg                     | C234501                              |
|                         |                                  | C234502                              |
|                         |                                  | C234503                              |
| 237003                  | 150 - 250 kg                     | C234004                              |
| 237004                  | 251 - 400 kg                     | C234504                              |

## RESORTE COMPENSADOR COMPENSATING SPRING

237001



El resorte compensador de peso reduce el esfuerzo de elevación de hoja.

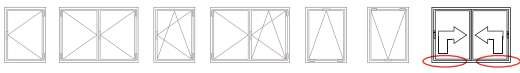
### CARACTERÍSTICAS TÉCNICAS

- Minimiza el par de retorno del manillón al bajar la ventana.
- Recomendable para pesos de hoja a partir de 200 kg.
- Muelle en acero cincado con una resistencia a corrosión >240 horas en cámara de niebla salina.

The compensating spring reduces the amount of effort required to lift the sash.

### TECHNICAL CHARACTERISTICS

- Minimises the handle return torque when lowering the window.
- Recommended for sash weights from 200 kg.
- Zinc plated steel spring with a corrosion resistance of >240 hours in a saline mist chamber.



Horizontal locking points.

**TECHNICAL CHARACTERISTICS**

- Pozidrive head screws used for fixing to the profile.
- Zinc plated piece with a corrosion resistance of >240 hours in a saline mist chamber.
- Supplied bagged with screws.

**LS400**

- Adjustable side retention for intermediate sashes.

Cerraderos horizontales.

**CARACTERÍSTICAS TÉCNICAS**

- Fijación al perfil a través de tornillería con cabeza Pozidrive.
- Pieza zincada con una resistencia a corrosión >240 horas en cámara de niebla salina.
- Se sirve embolsado con tornillería.

**LS400**

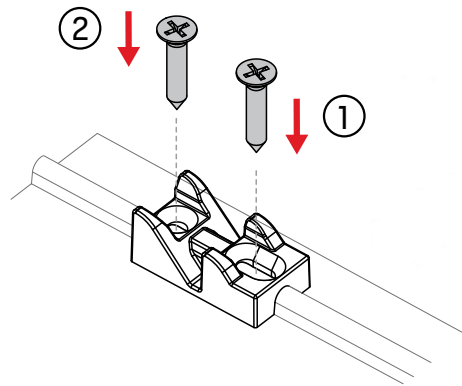
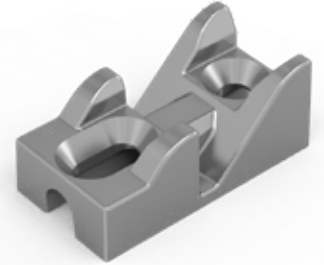
- Retención lateral regulable para hojas intermedias.

PUNTO DE CIERRE HORIZONTAL  
HORIZONTAL LOCKING POINT

ZM



234322

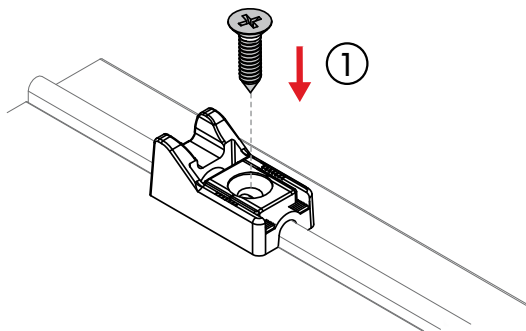


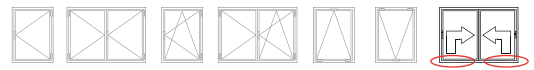
PUNTO DE CIERRE HORIZONTAL  
HORIZONTAL LOCKING POINT

ZM



234022





234025

BLANCO  
WHITE

234026

NEGRO  
BLACK



Tope de goma de alta resistencia para amortiguar el impacto de la hoja.

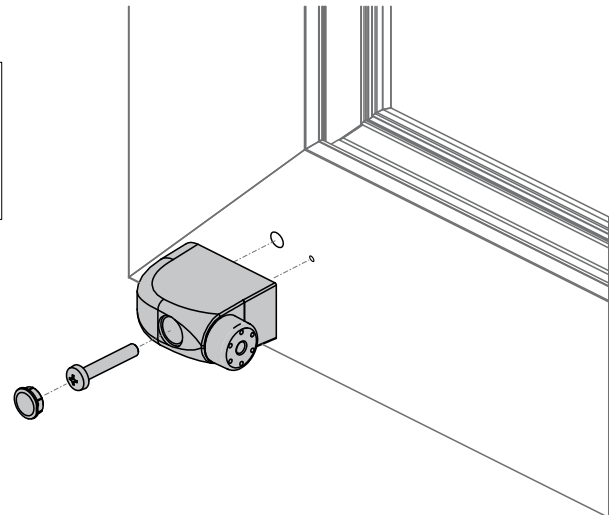
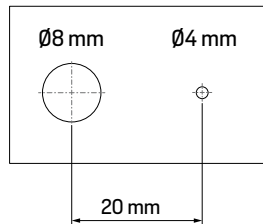
High resistance rubber stop that absorbs sash impact.

**CARACTERÍSTICAS TÉCNICAS**

**TECHNICAL CHARACTERISTICS**

- Fijación al perfil mediante tornillo y bulón anti-giro.
- Se monta una unidad por cada 2 hojas.
- Se sirve embolsado con tornillería.

- Fixed to the profile using an anti-rotation screw and bolt.
- One unit to be fitted for every 2 sashes.
- Supplied bagged with screws.



**KITS DE TORNILLERÍA**  
SCREW KIT

23600

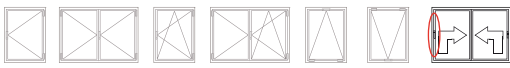


**KITS DE TORNILLERÍA** SCREW KIT

| REF.     | LS200 | LS400 | 4,8 x 16 mm   | 4,8 x 19 mm | 4,8 x 32 mm    | 4,8 x 38 mm    | 4,8 x 50 mm   | 4,8 x 60 mm   |     |
|----------|-------|-------|---------------|-------------|----------------|----------------|---------------|---------------|-----|
| 236004 * |       | ●     | -             | 1 ud / unit | 12 uds / units | -              | 8 uds / units | -             | 100 |
| 236005 * |       | ●     | -             | 1 ud / unit | 12 uds / units | -              | -             | 8 uds / units | 250 |
| 236007   | ●     |       | 6 uds / units | -           | -              | 12 uds / units | -             | -             | 100 |

\* 236004 PARA CALZOS | FOR SHIMS ≤ 18 mm

\* 236005 PARA CALZOS | FOR SHIMS > 18 mm



Plastic shims for drive gear and front bogies compatible made of PA6 + 25% GF

Calzos plásticos para falleba y carros delanteros compatibles fabricados en PA6 + 25% FV.

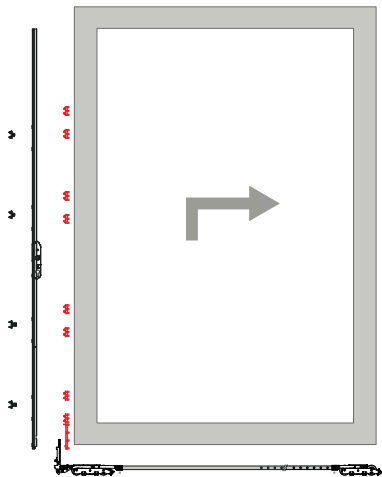
KIT DE CALZOS LS200  
LS200 SHIM KIT

**TECHNICAL CHARACTERISTICS**

- Conservation of thermal bridge break.
- Eco-friendly manufacturing and weight reduction compared to metal shims.

**CARACTERÍSTICAS TÉCNICAS**

- Conservación de la rotura de puente térmico.
- Fabricación más ecológica y reducción de peso frente a los calzos metálicos.



PA



A2353



KIT DE CALZOS LS400  
LS400 SHIM KIT

PA



A2352

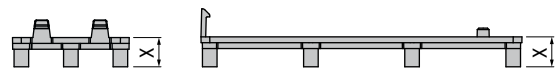


**CALZOS LS200 SHIMS**

**CALZOS LS400 SHIMS**

| REF.    | X (mm) |
|---------|--------|
| A235309 | 4      |
| A235310 | 5      |
| A235308 | 6      |
| A235311 | 7      |
| A235312 | 8      |
| A235313 | 9      |
| A235314 | 10     |
| A235315 | 12     |
| A235307 | 14     |
| A235301 | 16     |
| A235306 | 17     |
| A235303 | 17,5   |
| A235302 | 19     |
| A235304 | 20     |
| A235305 | 23     |

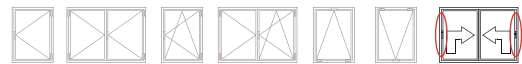
| REF.    | X (mm) |
|---------|--------|
| A235207 | 12     |
| A235201 | 14     |
| A235206 | 15     |
| A235203 | 15,5   |
| A235201 | 17     |
| A235204 | 18     |
| A235205 | 21     |



CALZOS LS200 SHIM KIT



CALZOS LS400 SHIM KIT



PUNTO DE CIERRE + CALZOS  
LOCKING POINT + SHIMS

234320

A234020



INX PA

LS200

LS400



PUNTO DE CIERRE MICROVENTILACIÓN + CALZOS  
MICRO VENTILATION LOCKING POINT + SHIMS

234321

A234021



INX PA

LS200

LS400



KIT DE CALZOS  
SHIMS KIT

234203



PA

LS200

LS400



1 mm

2 mm

3 mm

Puntos de cierre de acero inoxidable con calzos plásticos fabricados en poliamida natural PA6 + 10% FV.

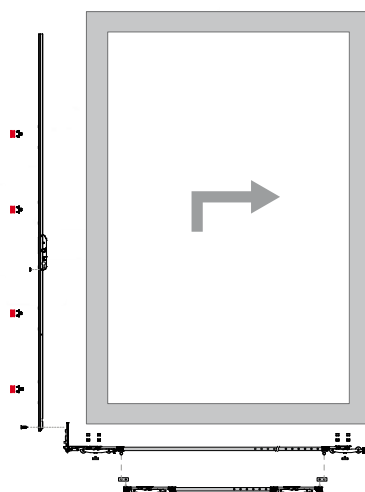
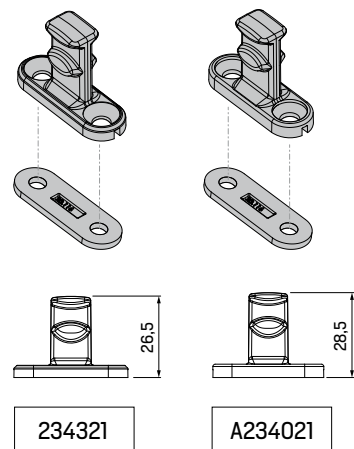
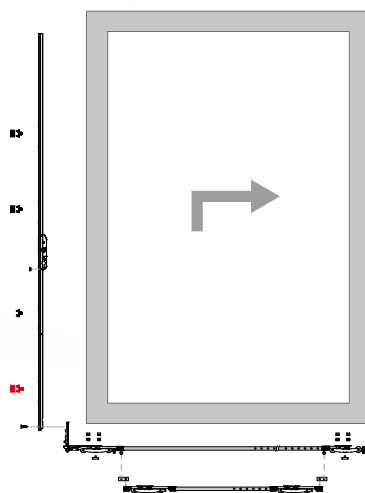
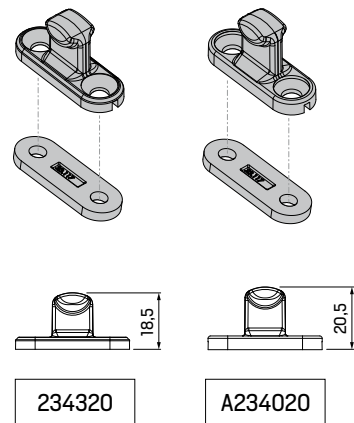
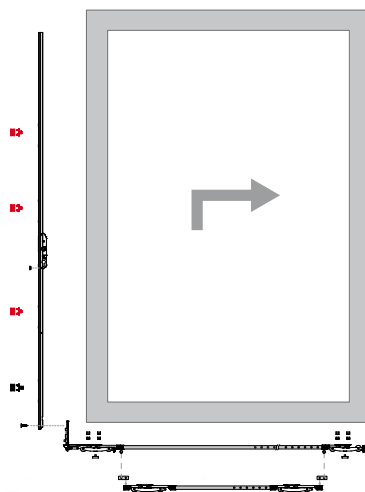
CARACTERÍSTICAS TÉCNICAS

- Fabricación más ecológica frente a los calzos metálicos.
- Reducción de peso frente a los calzos metálicos.

Stainless steel locking points with plastic shims made of natural polyamide PA6 + 10% GF

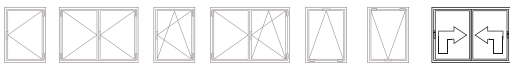
TECHNICAL CHARACTERISTICS

- Environmentally friendly manufacturing against metal shims.
- Weight reduction against metal shims.



CALZOS SHIMS

|      |  |
|------|--|
| 1 mm |  |
| 2 mm |  |
| 3 mm |  |
| 4 mm |  |
| 5 mm |  |
| 6 mm |  |



Kits composed of locking points and common elements.

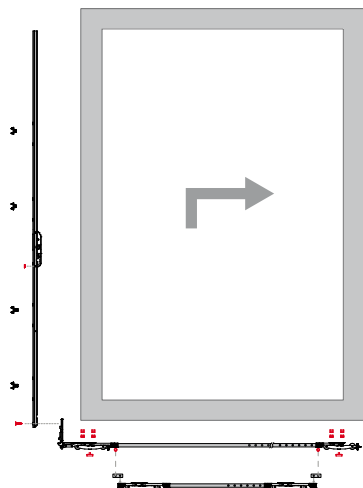
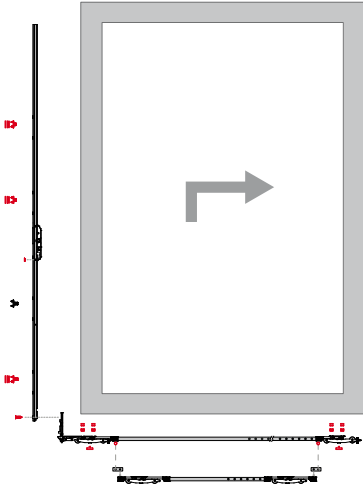
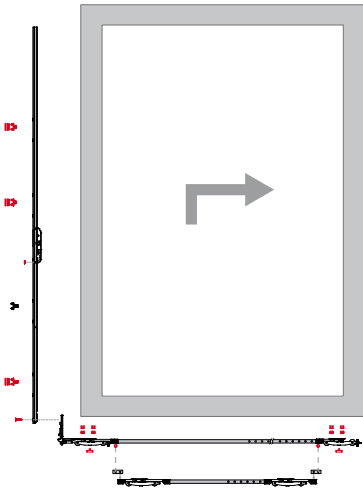
### TECHNICAL CHARACTERISTICS

#### 1 sash

- Available in 1, 2 and 3 mm shims.

#### Central sash

- A specific kit for intermediate sashes that do not need locking points.



Kits compuestos de puntos de cierre y elementos comunes.

### CARACTERÍSTICAS TÉCNICAS

#### 1 hoja

- Disponibles calzos de 1, 2 y 3 mm.

#### Hoja central

- Kits específicos para hojas intermedias que no precisan de puntos de cierre.



### KIT PUNTOS DE CIERRE CORTOS 1 HOJA SHORT LOCKING POINTS KIT 1 SASH



234301



### KIT PUNTOS DE CIERRE 1 HOJA LOCKING POINTS KIT 1 SASH



234301

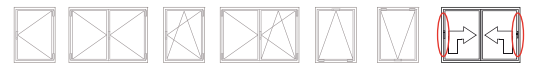


### KIT ELEMENTOS COMUNES HOJA INTERMEDIA COMMON ELEMENTS KIT INTERMEDIATE SASH



234303





PUNTO DE CIERRE + CALZO  
LOCKING POINT + SHIM

234023



ZM INX



Puntos de cierre de acero inoxidable con calzo de zamak de 15 mm para series de corte recto.

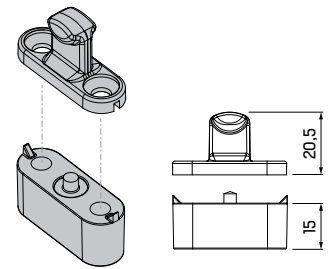
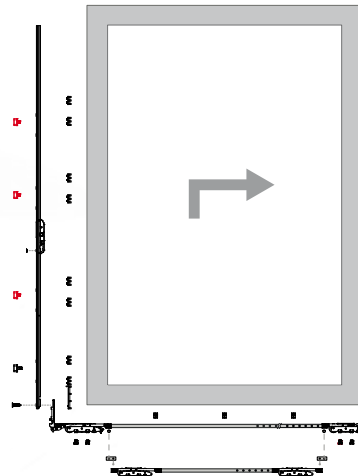
**CARACTERÍSTICAS TÉCNICAS**

- Fijación al perfil a través de tornillería con cabeza Pozidrive.
- Calzo cincado con una resistencia a corrosión >240 horas en cámara de niebla salina.

Stainless steel locking points with a 15 mm zamak shims for straight cut series.

**TECHNICAL CHARACTERISTICS**

- Pozidrive head screws used for fixing to the profile.
- Zinc plated shim with a corrosion resistance of >240 hours in a saline mist chamber.

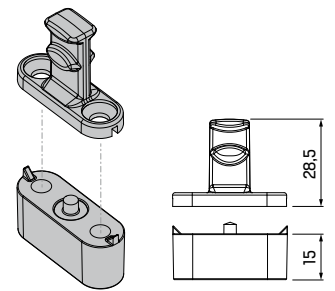
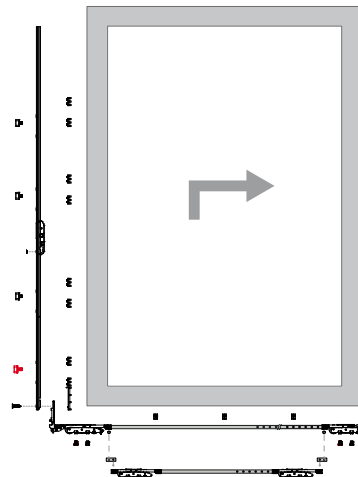
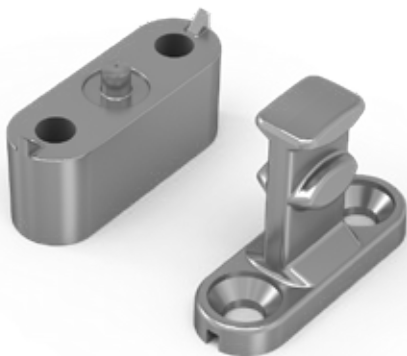


PUNTO DE CIERRE MICRO VENTILACIÓN + CALZO  
MICRO VENTILATION LOCKING POINT + SHIM

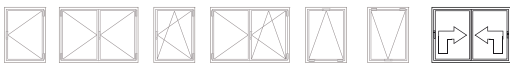
234024



ZM INX







Kits composed of locking points and common elements.

### TECHNICAL CHARACTERISTICS

#### 1 sash

- Available with | without 15 mm shim.
- Available 1, 2 and 3 mm shims.

#### Central sash

- A specific kit for intermediate sashes that do not need locking points.

Kits compuestos de puntos de cierre y elementos comunes.

### CARACTERÍSTICAS TÉCNICAS

#### 1 hoja

- Disponibles con y sin calzo de 15 mm.
- Disponibles calzos de 1, 2 y 3 mm.

#### Hoja central

- Kits específicos para hojas intermedias que no precisan de puntos de cierre.

KIT PUNTOS DE CIERRE SIN CALZOS 1 HOJA  
LOCKING POINTS KIT WITHOUT SHIMS 1 SASH

Inx PA



234101



| Inx    | PA     | 1 mm | 2 mm | 3 mm |
|--------|--------|------|------|------|
| 234107 |        | 1 mm |      |      |
| 234104 |        | 2 mm |      |      |
| 234105 |        | 3 mm |      |      |
| 234106 |        | 4 mm |      |      |
|        | 234108 |      | 1 mm | 2 mm |
|        |        |      | 3 mm | 4 mm |
|        |        |      | 5 mm | 6 mm |

KIT PUNTOS DE CIERRE CON CALZOS 15 mm 1 HOJA  
LOCKING POINTS KIT WITH 15 mm SHIMS 1 SASH

ZM Inx



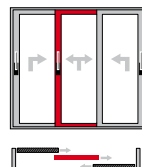
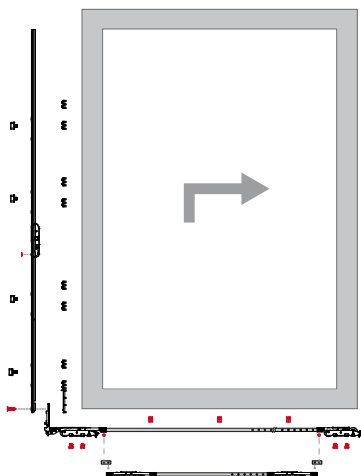
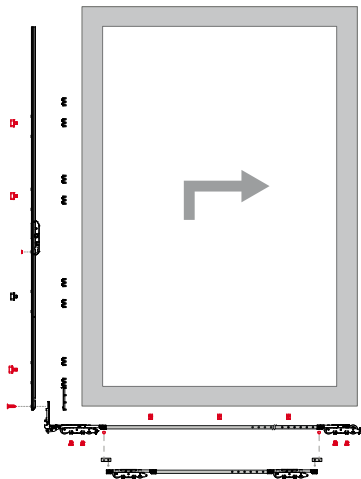
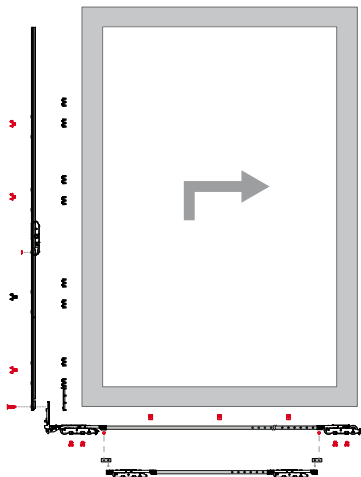
234102

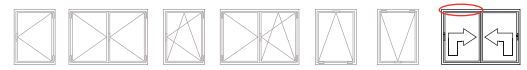


KIT ELEMENTOS COMUNES HOJA INTERMEDIA  
COMMON ELEMENTS KIT INTERMEDIATE SASH



234103





SISTEMA SOFT-CLOSING  
SOFT-CLOSING SYSTEM

237006

237007

ZM PA

LS200



Sistema anti-atrapamiento que permite el frenado amortiguado de la hoja.

Anti-trapping system that allows the sash to be braked with cushioning.

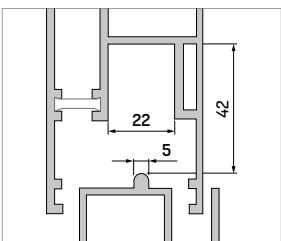
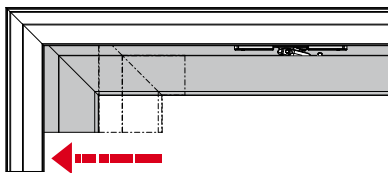
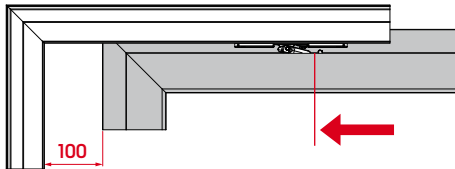
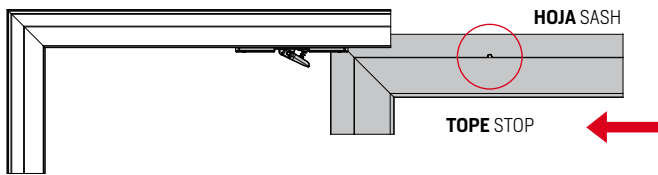
CARACTERÍSTICAS TÉCNICAS

- Frenado amortiguado independientemente de la fuerza con la que se actúe sobre la hoja.
- Peso de hoja máximo: 300 kg.
- Regulación de posición: 8 mm.
- Incluye calzos de adaptación a distintas series de perfil.
- Compatibilidad con perfiles de aluminio, PVC y madera.
- Diseñado especialmente para zonas de pública concurrencia o con niños.

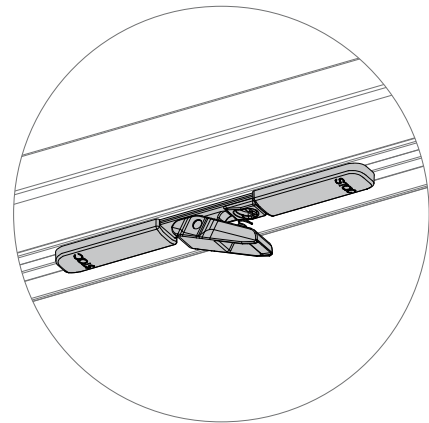
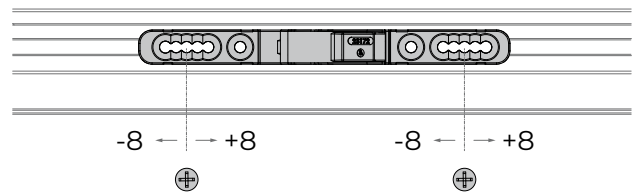
TECHNICAL CHARACTERISTICS

- Braking damped independently of the force with which it acts on the sash.
- Maximum sash weight: 300 kg.
- Position adjustment: 8 mm.
- Includes shims to adapt to different series of profile.
- Compatibility with aluminium, PVC and wood profiles.
- Specially designed for public areas or with children.

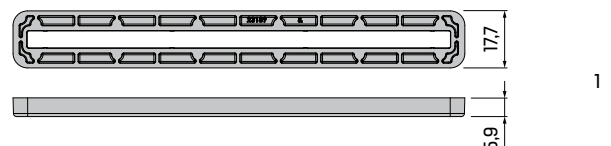
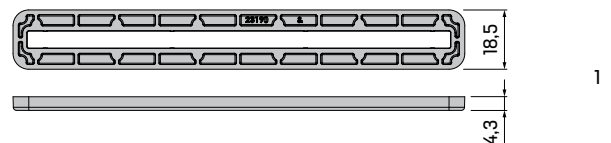
MARCO FRAME



REGULACIÓN ADJUSTMENT



CALZOS INCLUIDOS EN EL KIT 237007  
SHIMS INCLUDED IN KIT 237007



15

# Ventana corredera

## Sliding window

Cierres multipunto  
Multipoint locks

Familia TITÁN  
TITAN Family

Familia FÉNIX  
FENIX Family

Familia FÉNIX MINI  
FENIX MINI Family

Familia DRACO  
DRACO Family

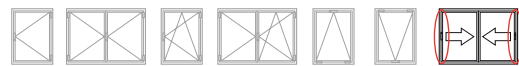
Ganchos  
Nibs

Contracierres  
Keepers

Carros  
Bogies



**CIERRE MULTIPUNTO AGUJA 7,5 mm**  
MULTIPOINT LOCK 7,5 mm BACKSET



M05201600 P05201600

M05201000 P05201000

M05200600 P05200600

ACERO ZINCADO  
ZINC-PLATED STEEL

ACERO INOX AISI 304  
AISI 304 STAINLESS S.



Zm Inx

Ac

7 mm



Cierres multipunto para corredera con 2 o 4 puntos de cierre.

**CARACTERÍSTICAS TÉCNICAS**

- Disponible con agujas de 7,5 y 15 mm.
- 3 tamaños diferentes: 600, 1000 y 1600 mm.
- Válidos para cuadradillo de 7 mm.
- Disponible con seguro anti-elevación y tope amortiguador.
- Mejora la seguridad y estanqueidad en las ventanas correderas.

Disponible microventilación con el cerradero **0520052**, que permite un desplazamiento de 180° de la maneta.

Multipoint locks for sliding windows with 2 or 4 locking points.

**TECHNICAL CHARACTERISTICS**

- Available with 7,5 and 15 mm backset.
- 3 different sizes: 600, 1000 and 1600 mm.
- Valid for 7 mm spindle.
- Available with an anti-elevation safety device and a shock absorber stop.
- Improves security and tightness for sliding windows.

Micro ventilation available with the strike **0520052**, which allows a movement of 180° of the handle.

**CIERRE MULTIPUNTO AGUJA 15 mm**  
MULTIPOINT LOCK 15 mm BACKSET

M05211600 P05211600

M05211000 P05211000

M05210600 P05210600

ACERO ZINCADO  
ZINC-PLATED STEEL

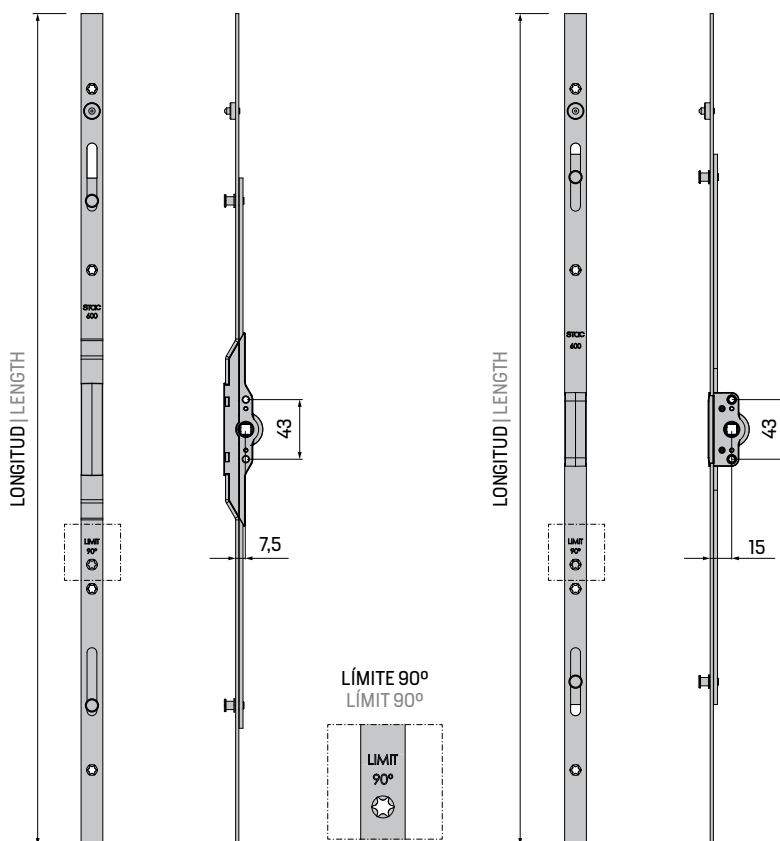
ACERO INOX AISI 304  
AISI 304 STAINLESS S.



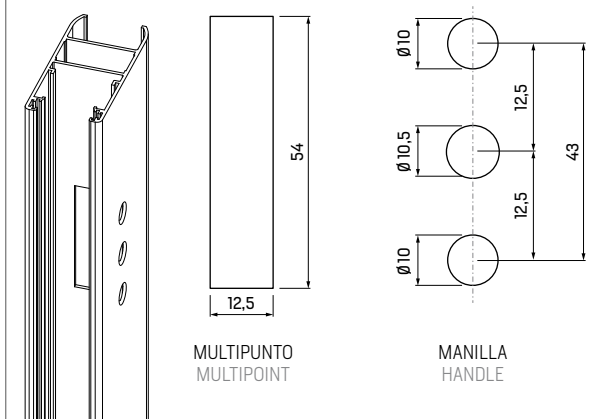
Zm Inx

Ac

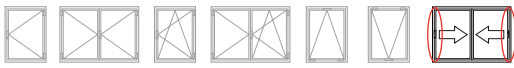
7 mm



**DIMENSIONES DE MECANIZADO MACHINING DIMENSIONS**



| AGUJA<br>BACKSET | LONGITUD<br>LENGHT | PTOS. DE CIERRE<br>LOCKING POINTS | CALZOS<br>SHIMS | ALTURA MÍN. DE HOJA<br>MIN. SASH HEIGHT |
|------------------|--------------------|-----------------------------------|-----------------|---|
| 7,5 mm           | 600 mm             | 2                                 | 4               | 750 mm                                  |
|                  | 1000 mm            | 2                                 | 6               | 1150 mm                                 |
|                  | 1600 mm            | 4                                 | 6               | 1750 mm                                 |
| 15 mm            | 600 mm             | 2                                 | 4               | 750 mm                                  |
|                  | 1000 mm            | 2                                 | 6               | 1150 mm                                 |
|                  | 1600 mm            | 4                                 | 6               | 1750 mm                                 |



Multipoint locks for sliding windows with 2 or 3 locking points.

### TECHNICAL CHARACTERISTICS

- Available with 7,5 and 15 mm backset.
- 4 different sizes: 400, 600, 1000 and 1600 mm.
- Valid for 7 mm spindle.
- Available with an anti-elevation safety device and a shock absorber stop.
- Zinc plated steel closing points.
- Improves security and tightness for sliding windows.

Cierres multipunto para corredera con 2 o 3 puntos de cierre.

### CARACTERÍSTICAS TÉCNICAS

- Disponible con agujas de 7,5 y 15 mm.
- 4 tamaños diferentes: 400, 600, 1000 y 1600 mm.
- Válidos para cuadradillo de 7 mm.
- Disponible con seguro anti-elevación y tope amortiguador.
- Puntos de cierre en acero zincado.
- Mejora la seguridad y estanqueidad en las ventanas correderas.

ZM INX

Ac

7 mm



S05200400

S05200600

S05201000

S05201600



CIERRE MULTIPUNTO ECO AGUJA 15 mm  
ECO MULTIPOINT LOCK 15 mm BACKSET

ZM INX

Ac

7 mm

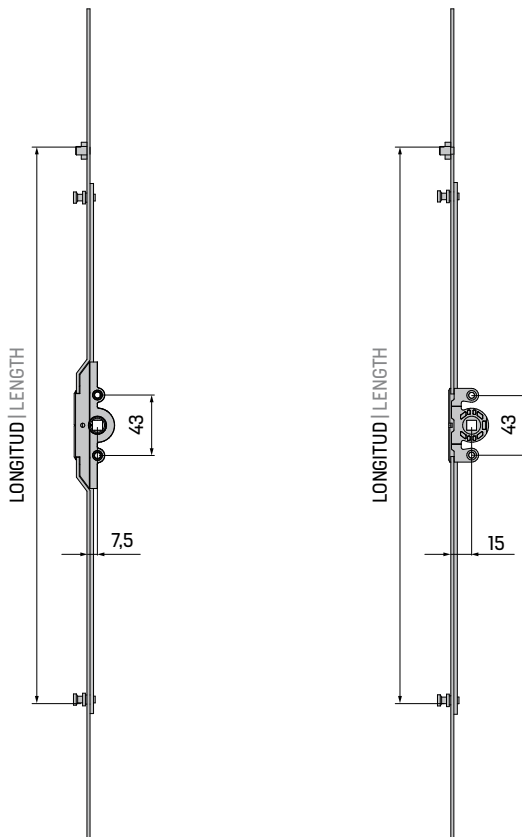



S05210400

S05210600

S05211000

S05211600



| REFERENCIA<br>REFERENCE | AGUJA<br>BACKSET | LONGITUD<br>LENGHT | PTOS. DE CIERRE<br>LOCKING POINTS | CALZOS<br>SHIMS | ALTURA MÍN. DE HOJA<br>MIN. SASH HEIGHT |  |
|-------------------------|------------------|--------------------|-----------------------------------|-----------------|---|---|
| S05200400               | 7,5 mm           | 400 mm             | 2                                 | 4               | 550                                     | 50  |
| S05200600               |                  | 600 mm             | 2                                 | 4               | 750                                     | 50  |
| S05201000               |                  | 1000 mm            | 3                                 | 7               | 1150                                    | 50  |
| S05201600               |                  | 1600mm             | 3                                 | 7               | 1750                                    | 25  |
| S05210400               | 15 mm            | 400 mm             | 2                                 | 4               | 550                                     | 50  |
| S05210600               |                  | 600 mm             | 2                                 | 4               | 750                                     | 50  |
| S05211000               |                  | 1000 mm            | 3                                 | 7               | 1150                                    | 50  |
| S05211600               |                  | 1600mm             | 3                                 | 7               | 1750                                    | 25  |

# CIERRE MULTIPUNTO CON LLAVE

## MULTIPOINT LOCK WITH KEY



|           |          |
|-----------|----------|
| P05231600 | 05231600 |
| P05231800 | 05231800 |

ACABADO ZINC-NÍQUEL ZINC-NICKEL FINISH  
 ACERO ZINCADO ZINC-PLATED STEEL



Cierres multipunto para corredera con 3 o 4 puntos de cierre.

### CARACTERÍSTICAS TÉCNICAS

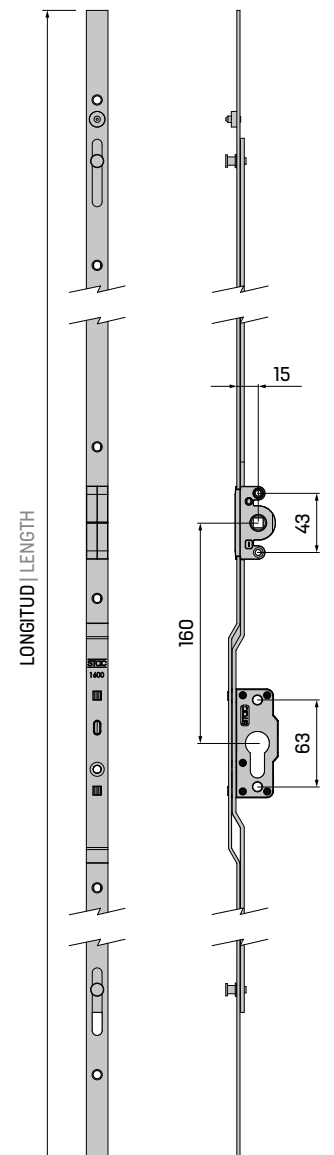
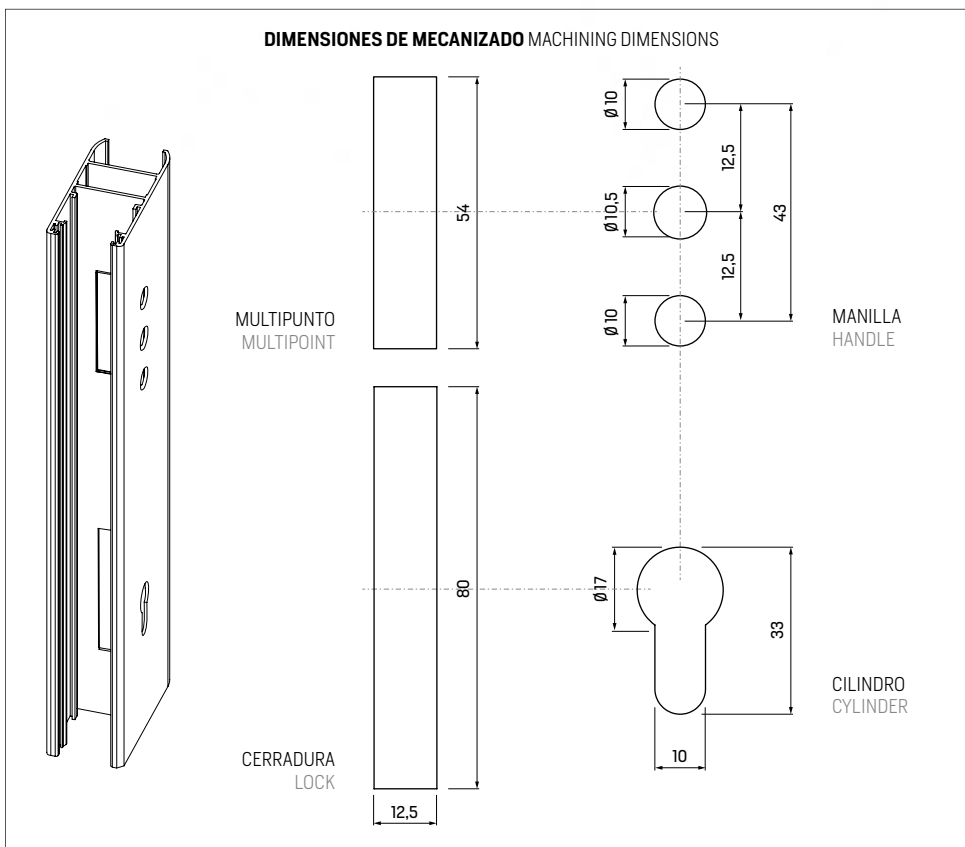
- Disponible con aguja de 15 mm.
- 2 tamaños diferentes: 1600 y 1800 mm.
- Válido para cuadrado de 7 mm.
- Disponible con seguro anti-elevación y tope amortiguador.
- Mejora la seguridad y estanqueidad en las ventanas correderas.
- Diseñado para puertas balconeras con acceso a la calle.
- Dispone de cerradura para cilindro de perfil europeo.
- Disponible acabado de protección anticorrosión extra para ambientes de alta salinidad con una resistencia a la corrosión en las pletinas de más de 800 horas en CNS (referencias P0523).

Multipoint locks for sliding windows with 3 or 4 locking points.

### TECHNICAL CHARACTERISTICS

- Available with 15 mm backset.
- 2 different sizes: 1600 and 1800 mm.
- Valid for 7 mm spindle.
- Available with an anti-elevation safety device and a shock absorber stop.
- Improves security and tightness for sliding windows.
- Designed for balcony doors with access to the street.
- Euro Groove profile cylinder lock available.
- Extra corrosion protection finish available for high salinity environments with a corrosion resistance on plates of more than 800 hours in SSC (P0523 references).

| REFERENCIA<br>REFERENCE | AGUJA<br>BACKSET | LONGITUD<br>LENGHT | PTOS. DE CIERRE<br>LOCKING POINTS | CALZOS<br>SHIMS | ALTURA MÍN. DE HOJA<br>MIN. SASH HEIGHT |
|-------------------------|------------------|--------------------|-----------------------------------|-----------------|---|
| 05231600                | 15 mm            | 1600 mm            | 3                                 | 10              | 1750 mm                                 |
| 05231800                |                  | 1800 mm            | 4                                 | 10              | 1950 mm                                 |
| P05231600               |                  | 1600 mm            | 3                                 | 10              | 1750 mm                                 |
| P05231800               |                  | 1800 mm            | 4                                 | 10              | 1950 mm                                 |





Multipoint locks for sliding windows with 1 locking point.

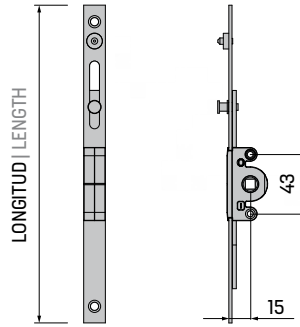
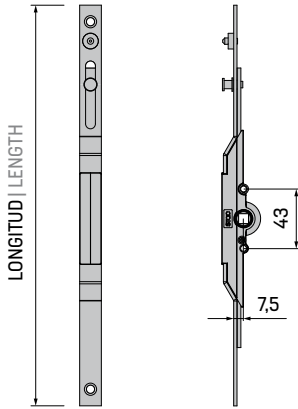
**TECHNICAL CHARACTERISTICS**

- Available with 7,5 and 15 mm backset.
- Valid for 7 mm spindle.
- Available with an anti-elevation safety device and a shock absorber stop.
- Designed for windows of small dimensions.

Cierre multipuntos para corredera con 1 punto de cierre.

**CARACTERÍSTICAS TÉCNICAS**

- Disponible con agujas de 7,5 y 15 mm.
- Válidos para cuadradillo de 7 mm.
- Disponible con seguro anti-elevación y tope amortiguador.
- Diseñado para ventanas de pequeñas dimensiones.



ZM INx

Ac

7 mm



05250300



CIERRE MONOPUNTO AGUJA 15 mm  
SINGLE POINT LOCK 15 mm BACKSET

ZM INx

Ac

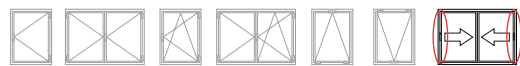
7 mm



05240300



| REFERENCIA<br>REFERENCE | AGUJA<br>BACKSET | LONGITUD<br>LENGHT | PTOS. DE CIERRE<br>LOCKING POINTS | CALZOS<br>SHIMS | ALTURA MÍN. DE HOJA<br>MIN. SASH HEIGHT |
|-------------------------|------------------|--------------------|-----------------------------------|-----------------|---|
| 05250300                | 7,5 mm           | 290 mm             | 1                                 | 2               | 440 mm                                  |
| 05240300                | 15 mm            | 230 mm             | 1                                 | 2               | 380 mm                                  |



CERRADERO DE MICROVENTILACIÓN  
MICRO VENTILATION KEEPER

0520052



Zm Inx

Ac

7mm



Cerraderos para cierres multipunto.

**CARACTERÍSTICAS TÉCNICAS**

• Disponibles calzos para adaptarse a las diferentes series del mercado.

**Cerradero microventilación**

- Permite la aireación en correderas.
- Permeabilidad al aire de la ventana en posición de microapertura según UNE 12207:2000: clase 1.
- Disponibles 3 posiciones para permitir microventilación en cierres multipunto.
- Apertura en microventilación de 4 mm, regulable hasta 6 mm con llave allen de 2,5 mm.

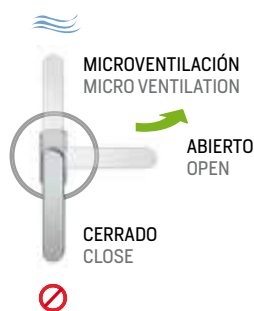
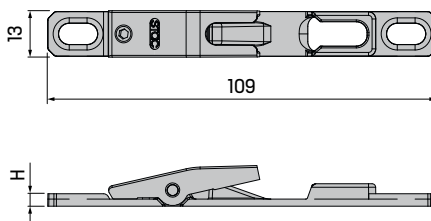
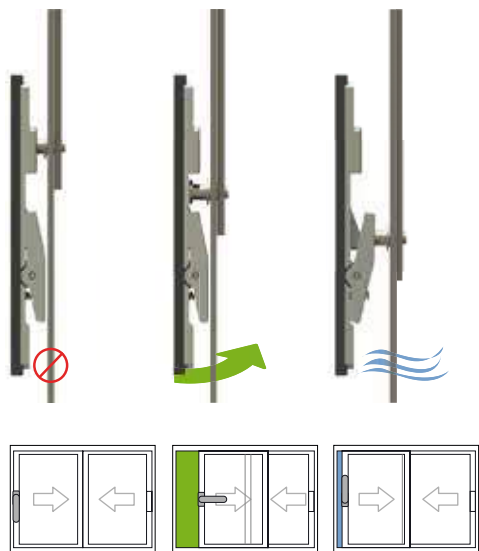
Keepers for multipoint lock.

**TECHNICAL CHARACTERISTICS**

• Shims are available to adapt to the different series of the market.

**Micro ventilation keeper**

- Allows aeration in sliding windows.
- Air permeability of the window in micro-opening position according to UNE 12207:2000: class 1.
- 3 positions are available to allow micro ventilation in multipoint locks.
- 4 mm microventilation opening, adjustable up to 6 mm with 2,5 mm allen key.



| REF.    | CALZO SHIM | H      |
|---------|------------|--------|
|         |            | 1,7 mm |
|         |            | 2 mm   |
| 0520052 |            | 3 mm   |
|         |            | 4 mm   |

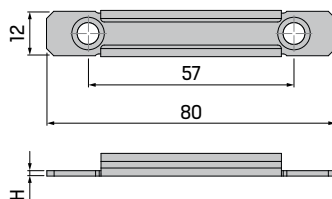
CERRADERO  
KEEPER

A0520051



Inx

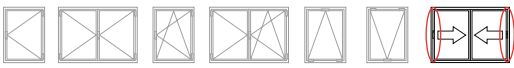
7mm



| REF.    | CALZO SHIM | H      |
|---------|------------|--------|
| 0520003 |            | 1,7 mm |
| 0520002 |            | 2 mm   |
| 0520004 |            | 3 mm   |
| 0520005 |            | 4 mm   |

**No incluye calzos** Does not include shims.





Shims to adapt the multipoint locks to the different series of the market.

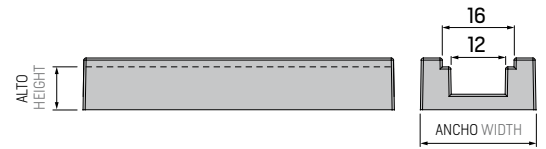
Calzos para adaptar los cierres multipunto a las diferentes series del mercado.

**TECHNICAL CHARACTERISTICS**

- Manufactured in ABS to provide rigidity and stability to the fixation.

**CARACTERÍSTICAS TÉCNICAS**

- Fabricados en ABS para aportar rigidez y estabilidad a la fijación.



| REFERENCIA<br>REFERENCE | DIMENSIONES<br>DIMENSIONS | PEDIDO MÍN.<br>MIN. REQUEST | REFERENCIA<br>REFERENCE | DIMENSIONES<br>DIMENSIONS | PEDIDO MÍN.<br>MIN. REQUEST |
|-------------------------|---------------------------|-----------------------------|-------------------------|---------------------------|-----------------------------|
| 0599595                 |                           | 2000                        | 0520011                 |                           | -                           |
| 0599596                 |                           | 2000                        | 0520012                 |                           | -                           |
| 0599597                 |                           | 2000                        | 0520013                 |                           | 400                         |
| 0599675                 |                           | 200                         | 0520014                 |                           | 400                         |
| 0520006                 |                           | -                           | 0520015                 |                           | 200                         |
| 0520007                 |                           | -                           | 0520016                 |                           | 200                         |
| 0520008                 |                           | -                           | 0520017                 |                           | 200                         |
| 0520009                 |                           | -                           | 0520049                 |                           | 2000                        |
| 0520010                 |                           | -                           | 0520050                 |                           | 2000                        |



#### Montaje simple y rápido

Simple and quick assembly



#### Fácil regulación

Easy adjustment



#### Máxima durabilidad

Highest durability



#### Carta de colores RAL

RAL colour chart

STAC ha propuesto evolucionar su gama de cierres de embutir con un diseño moderno pero sobre todo incorporando nuevas soluciones.

STAC has evolved its range of sliding window handles with a modern design which incorporates new solutions.

#### Sencillez de montaje

- **Montaje automático.** Cierres y uñero están provistos de un sistema de montaje automático que admite dispersiones en el largo del cajeadado de  $\pm 3$  mm, así como unas alas más anchas que ocultan cualquier error de mecanizado.
- **Accionamiento automático - manual.** A través de la simple extracción de un muelle se ha facilitado al máximo el paso de un accionamiento automático a un accionamiento manual del cierre.

#### Easy assembly

- **Automatic installation.** Both the lock and finger pull have an automatic installation system which allows for differences in the length of the recess of  $\pm 3$  mm and also have wider flanges to hide any mechanized imperfections.
- **Automatic - Manual closing action.** The new range makes it as simple as removing a spring to change from an automatic closing action to a manual one.

#### Seguridad

- **Sistema de anclaje.** La posición del sistema de anclaje pasa de estar en la parte inferior a la parte superior. Esta nueva posición permite un desmontaje del cierre menos intuitivo ya que éste se acciona pulsando hacia abajo.
- **Sistema de retención.** El sistema de retención con acceso frontal impide el desmontaje del cierre de la ventana tras su instalación.

#### Security

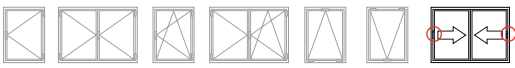
- **Fixing system.** The fixing system location has changed from the lower part of the handle to the upper part. This makes the dismantling of the handle less intuitive, as the locks work by pressing downwards.
- **Retention system.** The retention system with frontal access prevents the dismantling of the window closing after its installation.

#### Regulación

La regulación frontal del gancho por medio de un engranaje del cierre permite controlar el ajuste del mismo incluso con la ventana cerrada. Esto significa que la ventana es más resistente que nunca a la intemperie.

#### Adjustment

The frontal hook adjustment system with a closing mechanism allows adjusting the hook even when the window is closed. This means that the window is more weatherproof than ever.



## CIERRE DE EMBUTIR TITÁN SIN LLAVE TITAN RECESSED HANDLE WITHOUT LOCK

Self-assembly recessed handle that allows side locking of sliding sashes.

### TECHNICAL CHARACTERISTICS

- The handle allows crossing and overlapping of the sliding sashes.
- Quick fixation to the profile by pressing on the upper part of the handle without using screws.
- Assembled for automatic operation, it is possible to switch to manual operation by removing only a spring.
- Nib adjustment system from the front of the handle.
- It includes a retention system by means of a set screw to prevent disassembly.
- It can be assembled manually without the need for special machinery.

Cierre de embutir automontable que permite el cierre de hojas correderas.

### CARACTERÍSTICAS TÉCNICAS

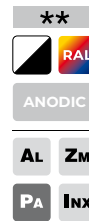
- El cierre permite el cruce y la superposición de las hojas correderas.
- Fijación rápida al perfil presionando en la parte superior del cierre sin necesidad de tornillería.
- Ensamblado para función automática, es posible pasar a función manual retirando solamente un muelle.
- Sistema de regulación del gancho desde la parte frontal del cierre.
- Incluye un sistema de retención mediante tornillo prisionero para impedir el desmontaje.
- Permite ser ensamblado manualmente sin la necesidad de maquinaria especial.



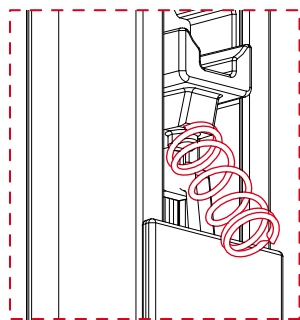
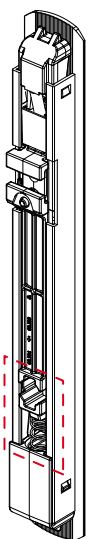
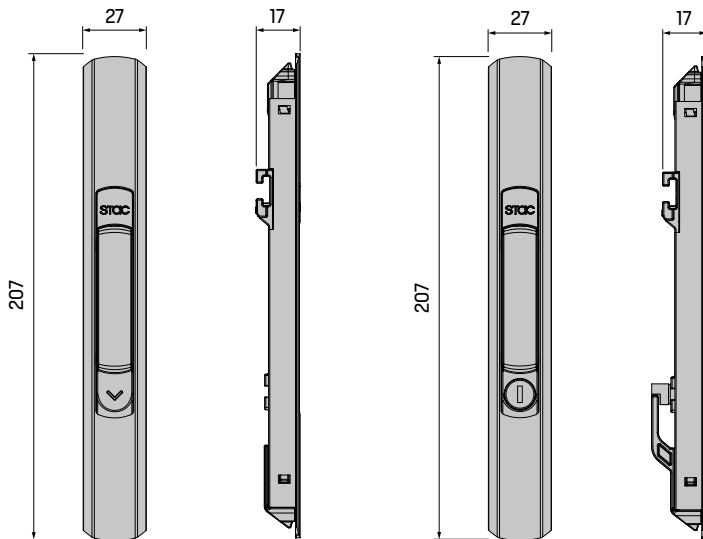
034000 \*\*



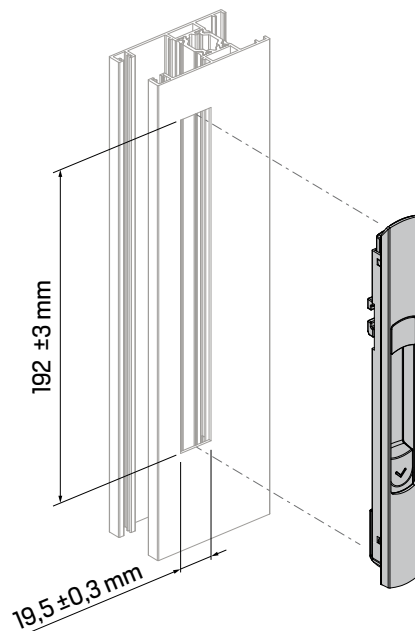
## CIERRE DE EMBUTIR TITÁN CON LLAVE TITAN RECESSED HANDLE WITH LOCK

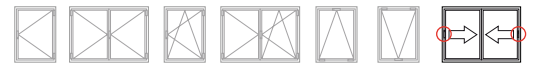


034100 \*\*



LIBERAR EL MUELLE PARA PASAR DE LA VERSIÓN AUTOMÁTICA A MANUAL  
FREE THE SPRING FOR SWITCHING FROM AUTOMATIC TO MANUAL VERSION





0342000 \*\*



Uñero exterior automontable que permite el cierre de hojas correderas.

### CARACTERÍSTICAS TÉCNICAS

- El uñero permite el cruce y la superposición de las hojas correderas.
- Fijación rápida al perfil presionando en la parte superior del cierre sin necesidad de tornillería.

### Tirador

- Tirador opcional para cierres de embutir que permite el cierre de hojas correderas.
- Se emplea en combinación con un cierre de embutir.
- Se aconseja su uso para ventanas correderas de gran peso.
- Diseño integrado que impide la visión de los tornillos de fijación.
- Sistema de fijación al perfil mediante tornillos roscachapa.

Self-assembly external finger pull handle that allows side locking of sliding sashes.

### TECHNICAL CHARACTERISTICS

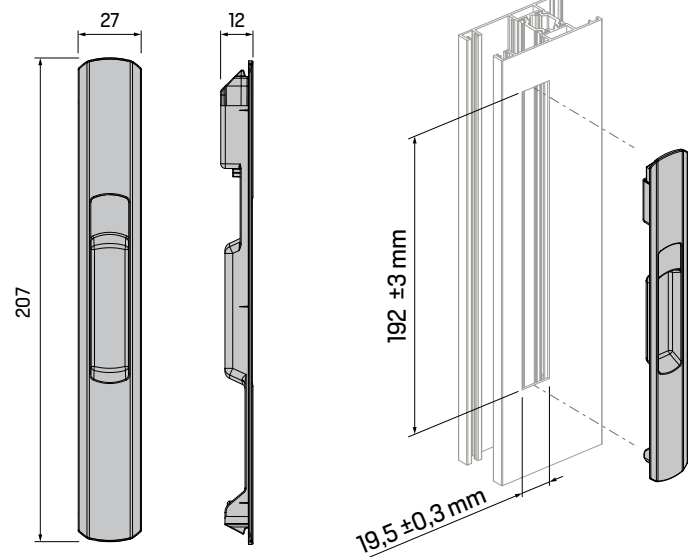
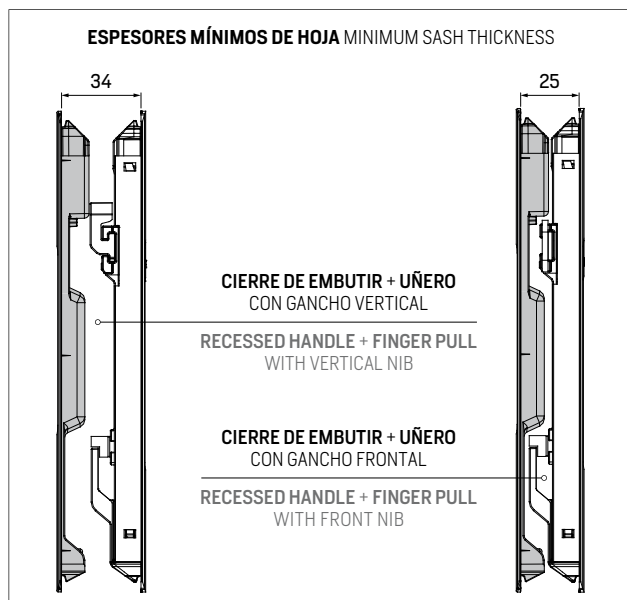
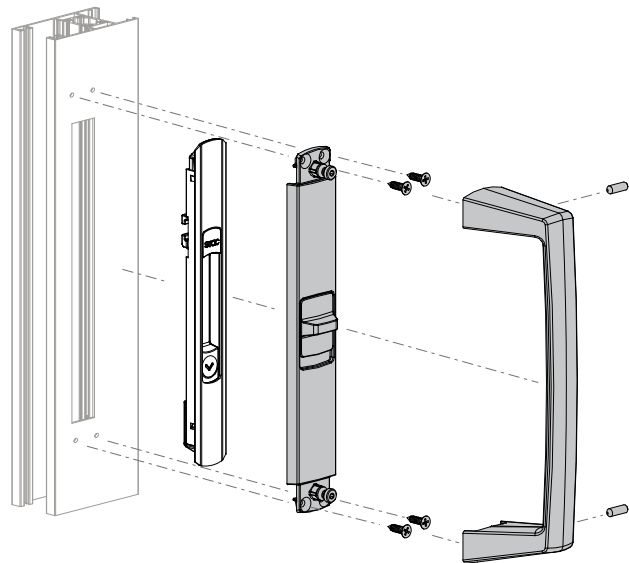
- The finger pull handle allows crossing and overlapping of the sliding sashes.
- Quick fixation to the profile by pressing on the upper part of the lock without using screws.

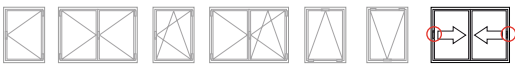
### Pull handle

- Tirador opcional para cierres de embutir que permite el cierre de hojas correderas.
- Se emplea en combinación con un cierre de embutir.
- Se aconseja su uso para ventanas correderas de gran peso.
- Diseño integrado que impide la visión de los tornillos de fijación.
- Sistema de fijación al perfil mediante tornillos roscachapa.

TIRADOR TITÁN  
TITAN PULL HANDLE

034300 \*\*





Handle that allows the crossing of sashes in sliding systems..

### TECHNICAL CHARACTERISTICS

- Designed to operate STAC multipoints (180°) of 7 mm spindle.
- Valid for profiles over 25 mm wide.
- Intuitive assembly without visible screws.
- Current design and integrated in the TITAN range of recessed handles.
- Same profile machining dimensions as TITAN recessed handles.

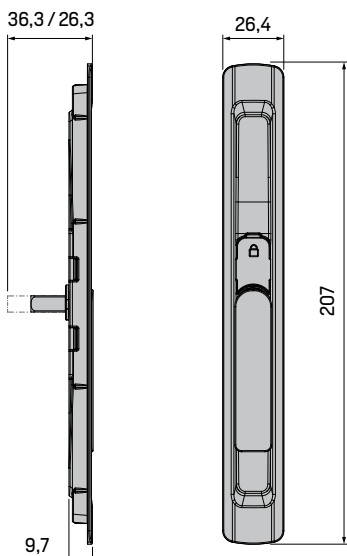
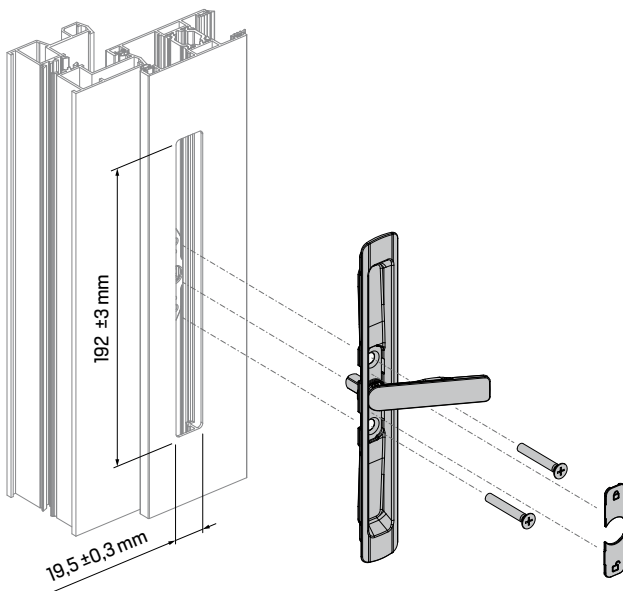
Manilla que permite el cruce de hojas en sistemas de corredera.

### CARACTERÍSTICAS TÉCNICAS

- Diseñada para accionar multipuntos STAC (180°) de cuadradillo de 7 mm.
- Válida para perfiles de más de 25 mm de ancho.
- Montaje intuitivo y sin tornillería vista.
- Diseño actual e integrado en la gama de cierres de embutir TITÁN.
- Mismas dimensiones de mecanizado de perfil que los cierres de embutir TITÁN.



|           |        |    |
|-----------|--------|----|
| □ 7x15 mm | 034410 | ** |
| □ 7x25 mm | 034420 | ** |



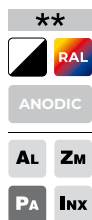
## CIERRE DE EMBUTIR FÉNIX AUTOMÁTICO

### FENIX RECESSED HANDLE AUTOMATIC



032000 \*\*

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Cierre de embutir automontable que permite el cierre de hojas correderas.

#### CARACTERÍSTICAS TÉCNICAS

- El cierre permite el cruce y la superposición de las hojas correderas.
- Disponibles dos tipos de cierre: manual y automático.
- Fijación rápida al perfil presionando en la parte inferior del cierre sin necesidad de tornillería.
- La fijación del gancho se realiza con un tornillo prisionero M5 de copa con el roscado angular para eliminar holguras.
- Sistema de amortiguación que permite que al cerrar la hoja el gancho baje pero el pulsador permanezca estático.

Self-assembly recessed handle that allows side locking of sliding sashes.

#### TECHNICAL CHARACTERISTICS

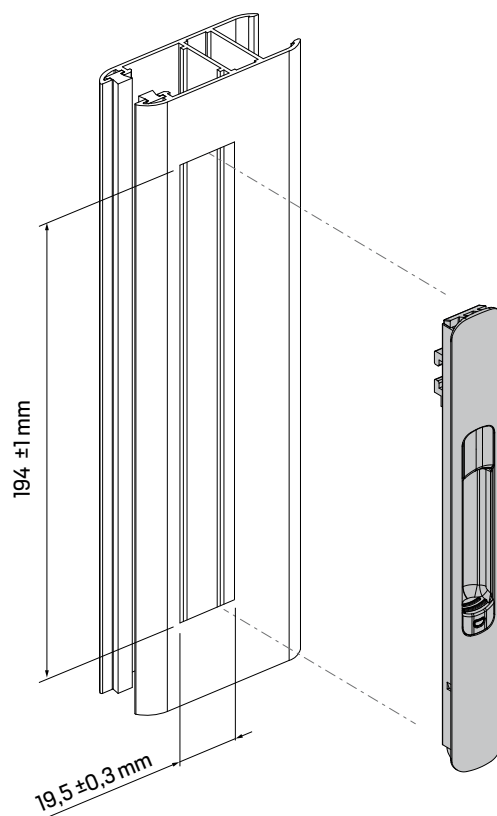
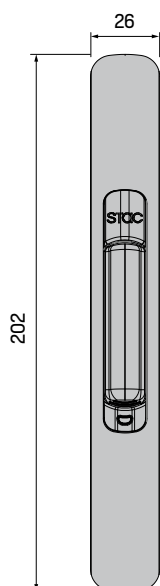
- The handle allows crossing and overlapping of the sliding sashes.
- Two types of handle are available: manual and automatic.
- Quick fixation to the profile by pressing on the lower part of the handle without using screws.
- The nib is fixed with an M5 cup setscrew with angular thread to eliminate looseness.
- Damping system that allows the nib to lower when closing the sash but the button remains static.

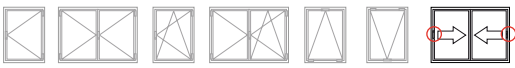
## CIERRE DE EMBUTIR FÉNIX MANUAL

### FENIX RECESSED HANDLE MANUAL

032000 \*\* C

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Self-assembly external finger pull handle that allows side locking of sliding sashes.

Uñero exterior automontable que permite el cierre de hojas correderas.

### TECHNICAL CHARACTERISTICS

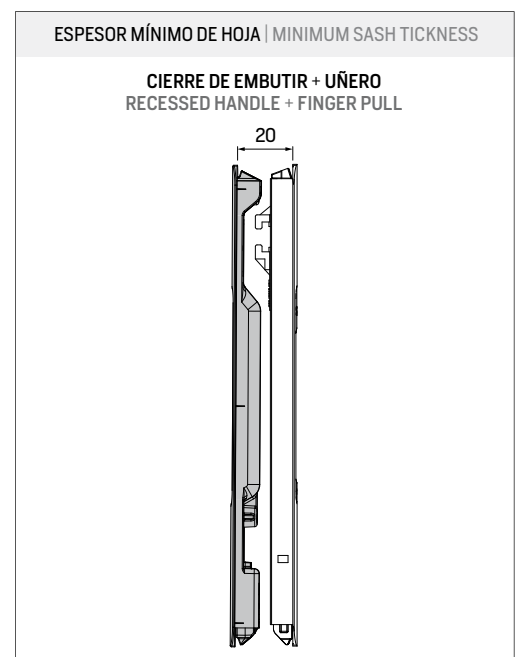
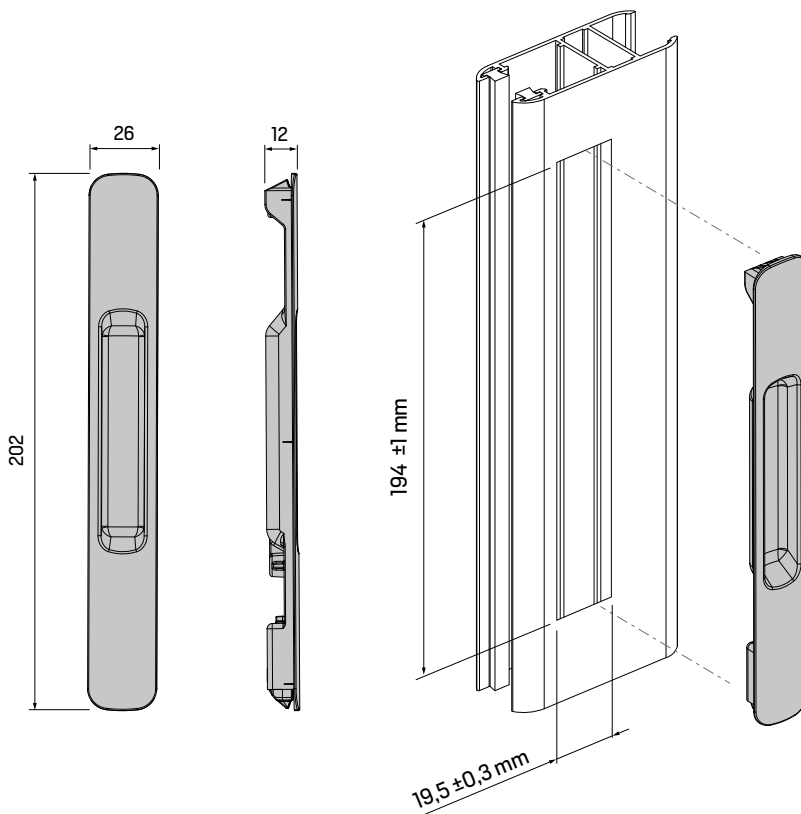
- The finger pull handle allows crossing and overlapping of the sliding sashes
- Optionally it can be fixed with screws from the inside for greater security.

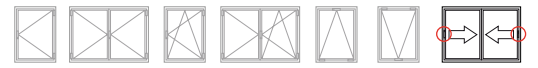
### CARACTERÍSTICAS TÉCNICAS

- El uñero permite el cruce y la superposición de las hojas correderas.
- Opcionalmente puede fijarse con tornillos desde el interior para mayor seguridad.



032100 \*\*





A03300 \*\*

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Cierre de embutir automontable que permite el cierre de hojas correderas.

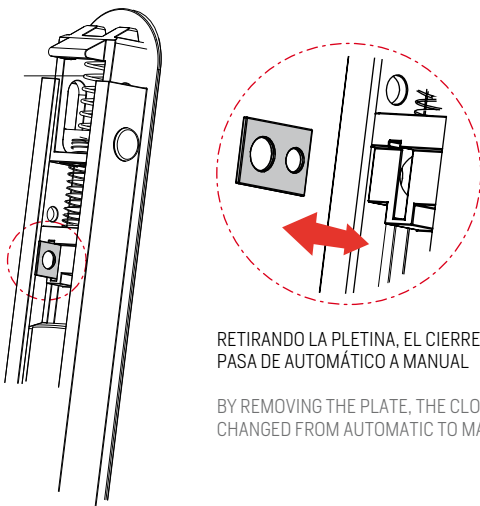
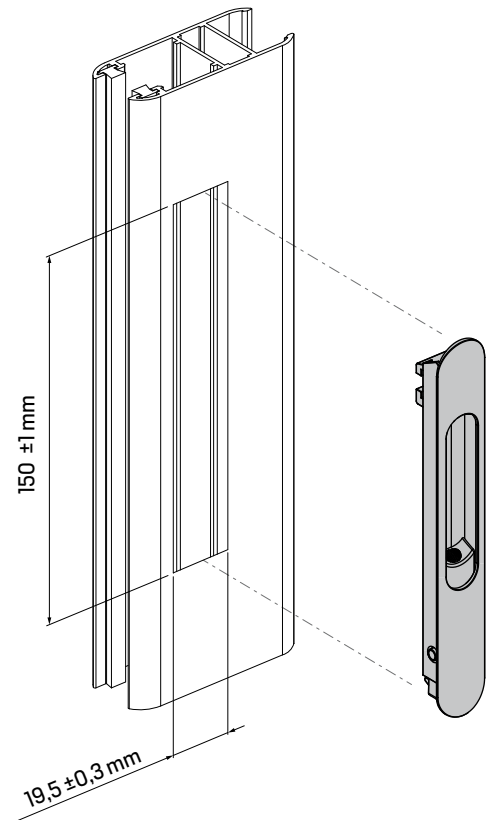
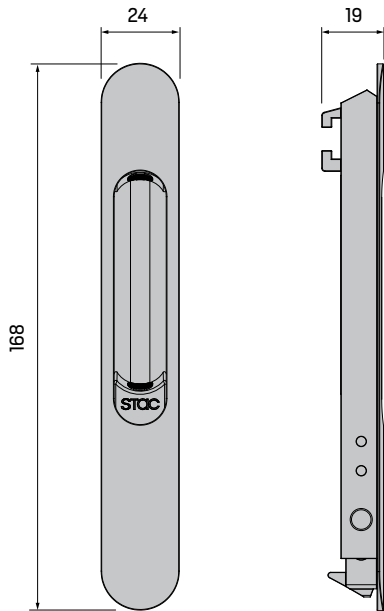
Self-assembly recessed handle that allows side locking of sliding sashes.

**CARACTERÍSTICAS TÉCNICAS**

- El cierre permite el cruce y la superposición de las hojas correderas.
- Fijación rápida al perfil presionando en la parte inferior del cierre sin necesidad de tornillería.
- Ensamblado para función automática, es posible pasar a función manual.
- El gancho se fija mediante un tornillo prisionero M6 para eliminar holguras.
- Gran tolerancia en el mecanizado del perfil gracias a su sistema de fijación.

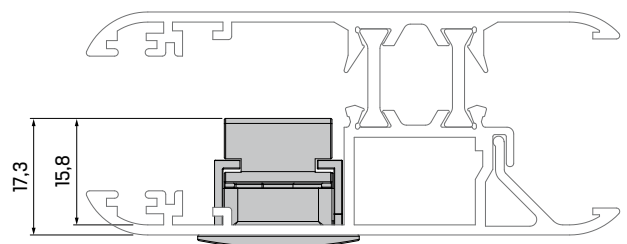
**TECHNICAL CHARACTERISTICS**

- Self-assembly recessed handle that allows side locking of sliding sashes.
- Quick fixation to the profile by pressing on the lower part of the handle without using screws.
- Assembled for automatic operation, it is possible to switch to manual operation.
- The nib is fixed with an M6 setscrew to eliminate looseness.
- High tolerance in profile machining thanks to its fixing system.

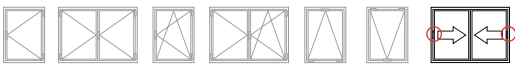


RETIRANDO LA PLETINA, EL CIERRE PASA DE AUTOMÁTICO A MANUAL

BY REMOVING THE PLATE, THE CLOSING IS CHANGED FROM AUTOMATIC TO MANUAL







Optional pull handle that allows side locking of sliding sashes.

### TECHNICAL CHARACTERISTICS

- It is used in combination with a recessed handle.
- Its use is recommended for heavy sliding windows.
- Fixing screws are available in different finishes depending on the finish of the pull handle.
- Perfect fit with the Fenix recessed handle.
- Possibility of fixing by means of rivet nuts (not included).

Tirador opcional para cierres de embutir que permite el cierre de hojas correderas.

### CARACTERÍSTICAS TÉCNICAS

- Se emplea en combinación con un cierre de embutir.
- Se aconseja su uso para ventanas correderas de gran peso.
- Disponibles tornillos de fijación en distintos acabados según el acabado del tirador.
- Perfecto ajuste con el cierre de embutir Fénix.
- Posibilidad de fijación mediante tuercas remachables (no incluidas).



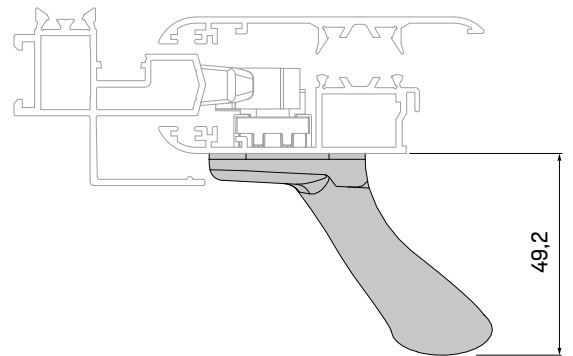
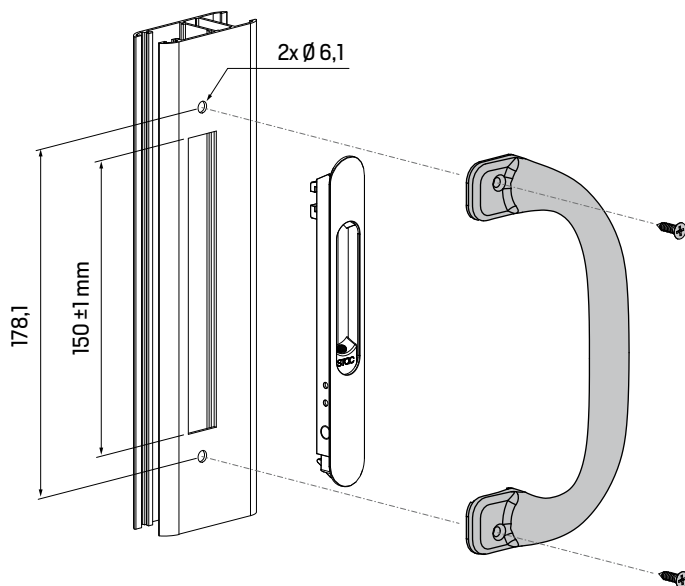
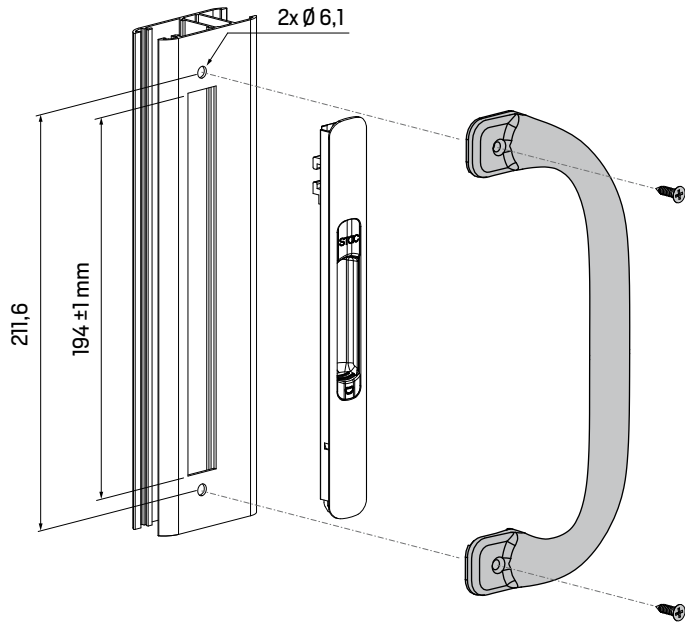
0320 \*\*



### TIRADOR FENIX MINI FÉNIX MINI PULL HANDLE

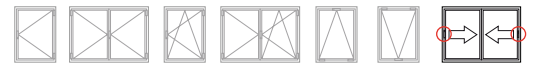


0503087 \*\*



# CIERRE DE EMBUTIR DRACO MAX AUTOMÁTICO

DRACO MAX RECESSED HANDLE AUTOMATIC



031000 \*\*



MAX  
AUTOMÁTICO  
AUTOMATIC



Cierre de embutir que permite el cierre de hojas correderas.

## CARACTERÍSTICAS TÉCNICAS

- Disponibles dos modelos de cierre: **MAX** y **LINE**.
- Disponibles dos tipos de cierre: manual y automático.
- La fijación del gancho se realiza con tornillo prisionero M6 con el roscado angular para eliminar holguras.
- Tornillos de fijación extraplano y disponibles en distintos acabados: acero inoxidable, lacado blanco, pavonado negro y dorado.
- El gancho, contracierre y sus tornillos se suministran en función del sistema de carpintería a emplear.

Recessed handle that allows side locking of sliding sashes.

## TECHNICAL CHARACTERISTICS

- Two handle models are available: **MAX** and **LINE**.
- Two types of handle are available: manual and automatic.
- The nib is fixed with an M6 setscrew with angular thread to eliminate looseness.
- The fixing screws are extra-slim and are available in various finishes: stainless steel, powder coated white, black and gold oxide.
- The nib, keeper and screws are supplied according to the window system to be used.

## CIERRE DE EMBUTIR DRACO MAX MANUAL

DRACO MAX RECESSED HANDLE MANUAL

031000 \*\* C



MAX  
MANUAL  
MANUAL



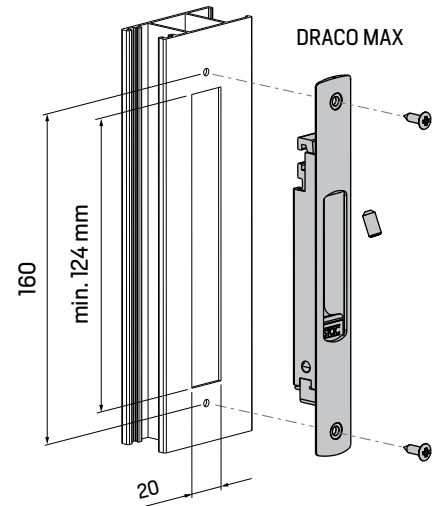
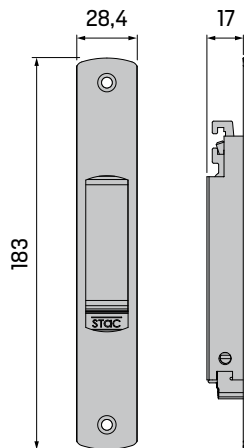
## CIERRE DE EMBUTIR DRACO LINE AUTOMÁTICO

DRACO LINE RECESSED HANDLE AUTOMATIC

030000 \*\*



LINE  
AUTOMÁTICO  
AUTOMATIC



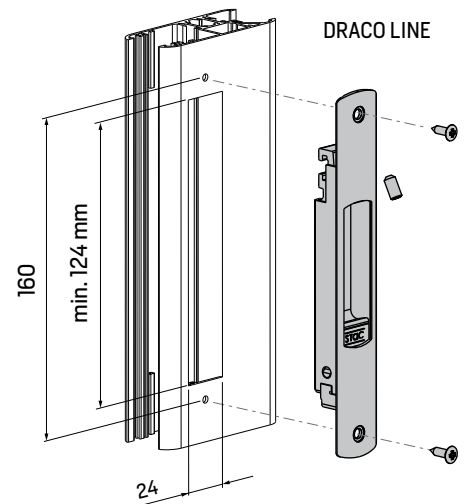
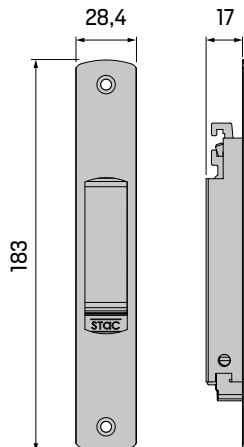
## CIERRE DE EMBUTIR DRACO LINE MANUAL

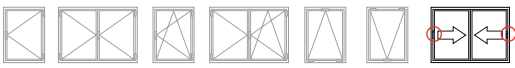
DRACO LINE RECESSED HANDLE MANUAL

030000 \*\* C



LINE  
MANUAL  
MANUAL





Optional pull handle that allows side locking of sliding sashes.

### TECHNICAL CHARACTERISTICS

- It is used in combination with a recessed handle.
- Its use is recommended for heavy sliding windows.
- Fixing screws are available in various finishes: stainless steel, white powder coated or black oxide to combine with the Draco recessed handles.
- Perfect fit with the Draco recessed handles.

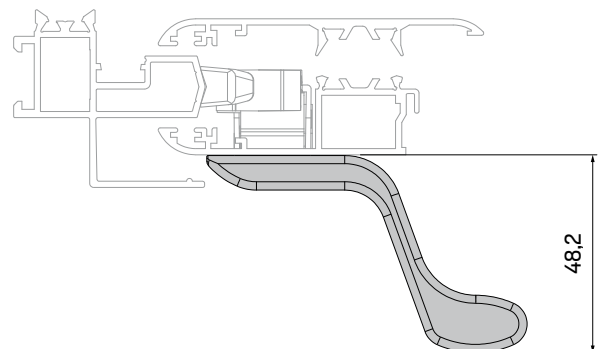
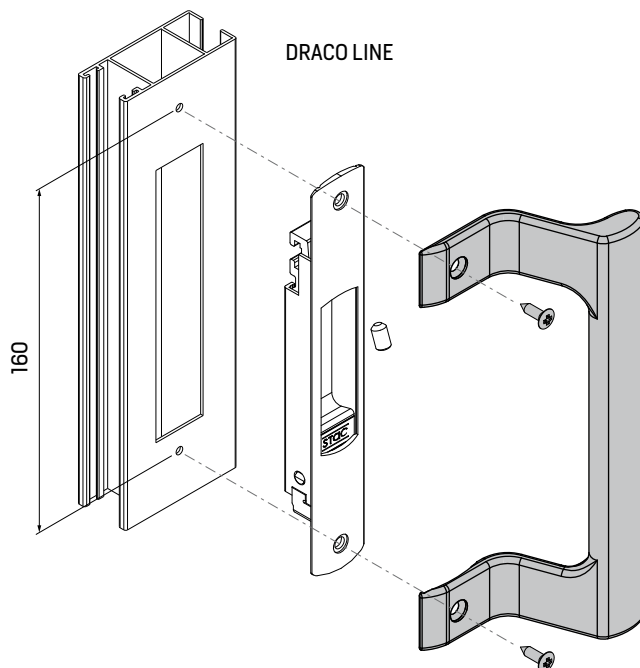
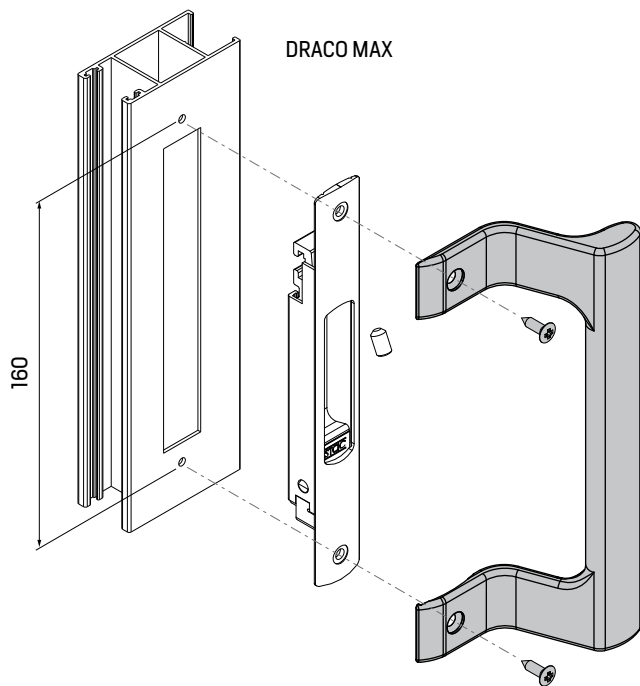
Tirador opcional para cierres de embutir que permite el cierre de hojas correderas.

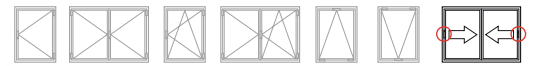
### CARACTERÍSTICAS TÉCNICAS

- Se emplea en combinación con un cierre de embutir.
- Se aconseja su uso para ventanas correderas de gran peso.
- Disponibles tornillos de fijación en distintos acabados: acero inoxidable, lacado blanco o pavonado negro, para combinar con los cierres Draco.
- Perfecto ajuste con los cierres de embutir Draco.



0310 \*\*





05034400

ZM



Mecanismo aplicable a ventanas de apertura corredera que permite una posición de aireación.

### CARACTERÍSTICAS TÉCNICAS

- El sistema se monta sobre un cierre de embutir automático.
- Se compone de 2 piezas: un gancho y un contracierre doble.
- El contracierre permite 2 posiciones: posición de cierre y posición de microventilación (separando la hoja del marco unos 6 mm).
- Cumple con todos los requisitos del Código Técnico de la Edificación.

### ENSAYOS:

#### PERMEABILIDAD AL AIRE:

Permeabilidad al aire según UNE-EN 12207: 2017 **CLASE 1** en posición de microapertura

Los valores que se declaran han sido obtenidos del ensayo realizado por el organismo notificado 0370 según número de informe 09/32302411.

Mechanism applicable to sliding opening windows that allows an aeration position.

### TECHNICAL CHARACTERISTICS

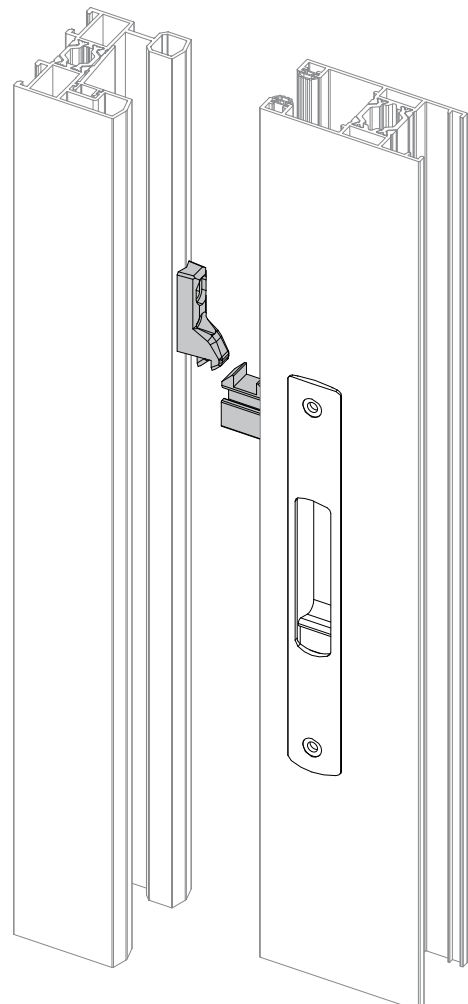
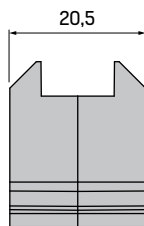
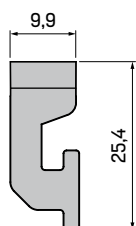
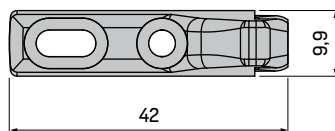
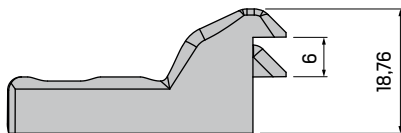
- The system is mounted over an automatic recessed handle.
- It is composed of 2 pieces: a nib and a double keeper.
- The keeper allows 2 positions: closing position and micro ventilation position (separating the sash from the frame about 6 mm).
- It complies with all of the Technical Building Code requisites.

### TESTS:

#### AIR PERMEABILITY:

Air permeability according to UNE-EN 12207: 2017 **CLASS 1** in micro-opening position

The declared values have been obtained from the official test centre 0370 and according to report number 09/32302411.



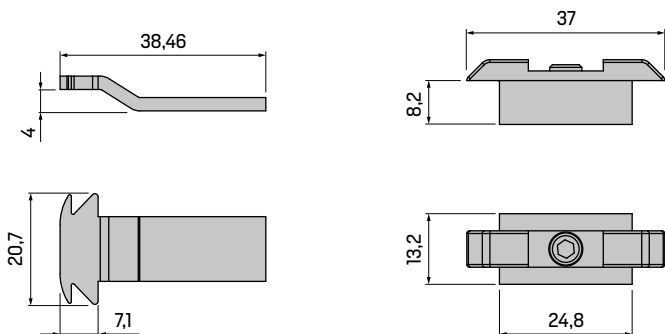
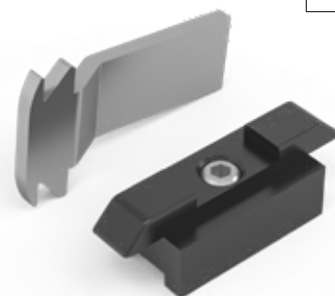


**!** Los kits para corredera son personalizables.  
Ganchos y contracierres pueden combinarse para adaptarse a diferentes series.  
The sliding window kits can be personalised.  
Nibs and keepers can be combined to adapt different series.

MICROVENTILACIÓN CORTE RECTO SERIE S5000  
MICROVENTILATION STRAIGHT CUT SERIE S5000

ZM INX

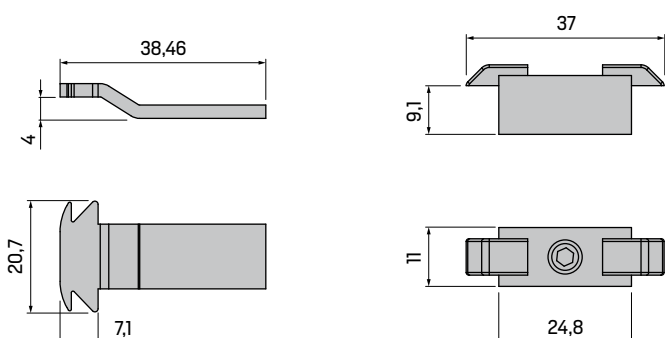
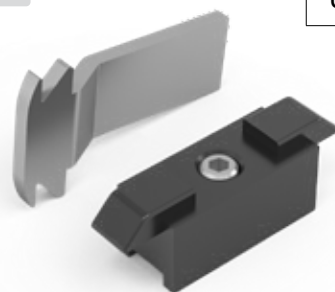
05035000



MICROVENTILACIÓN CORTE RECTO SERIE S5200  
MICROVENTILATION STRAIGHT CUT SERIE S5200

ZM INX

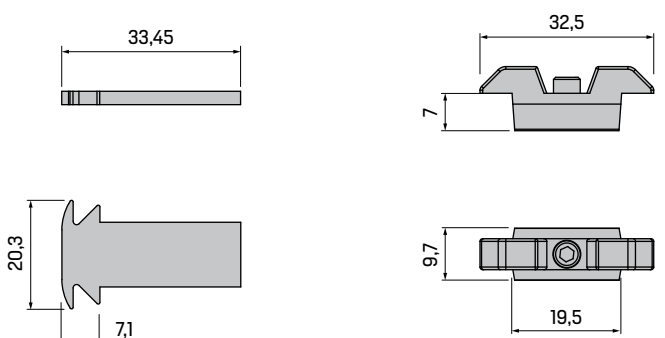
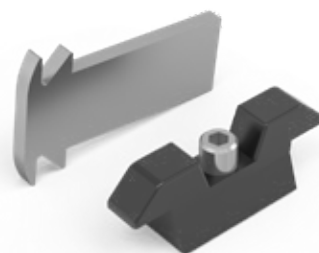
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MICROVENTILACIÓN CORTE RECTO SERIE S6200  
MICROVENTILATION STRAIGHT CUT SERIE S6200

ZM INX

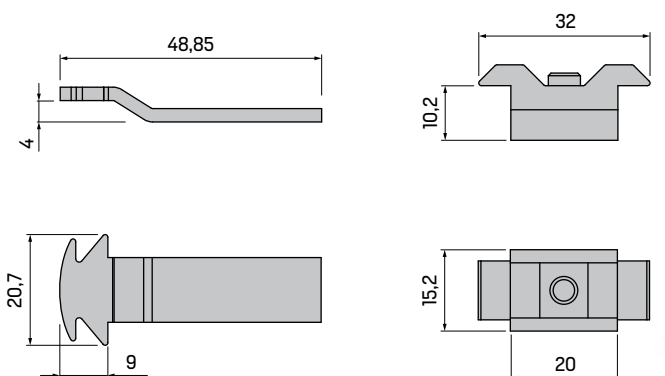
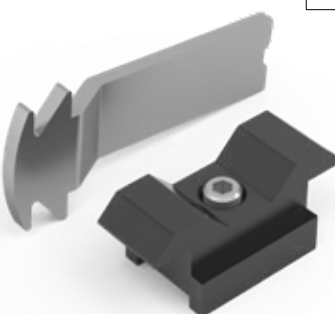
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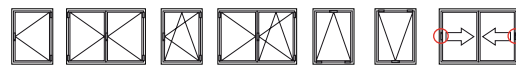


MICROVENTILACIÓN CORTE RECTO SERIE S6500  
MICROVENTILATION STRAIGHT CUT SERIE S6500

ZM INX

05036500

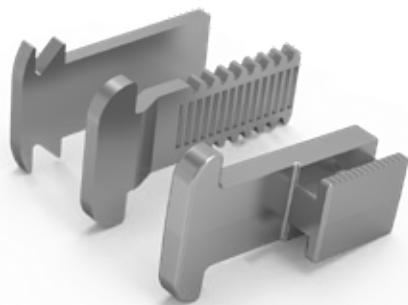




ZM INX

Los ganchos combinados con un cerradero permiten realizar el cierre de las ventanas correderas.

The nibs combined with a keeper allow to realize the closing of the sliding windows.



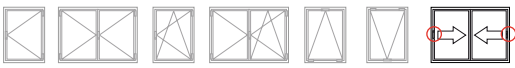
**CARACTERÍSTICAS TÉCNICAS**

- Ganchos válidos para los cierres de embutir Titán, Fénix y Draco.
- El dentado permite la regulación micrométrica del gancho.
- Se adaptan a múltiples series de ventanas corredera tradicionales o perimetrales.

**TECHNICAL CHARACTERISTICS**

- Nibs valid for Titan, Fenix and Draco recessed handles.
- The toothing allow the micrometric adjustment of the nib.
- Adaptable to multiple series of traditional or perimetral sliding windows.

| REFERENCIA<br>REFERENCE | DIMENSIONES<br>DIMENSIONS | MV | TITAN | FENIX<br>DRACO | REFERENCIA<br>REFERENCE | DIMENSIONES<br>DIMENSIONS | MV | TITAN | FENIX<br>DRACO |
|-------------------------|---------------------------|----|-------|----------------|-------------------------|---------------------------|----|-------|----------------|
| 03150                   |                           |    | •     | •              | 03162                   |                           | •  | •     | •              |
| 03151                   |                           |    | •     | •              | 0301901                 |                           |    |       | •              |
| 03152                   |                           |    | •     | •              | 0301902                 |                           |    |       | •              |
| 03153                   |                           |    | •     | •              | 03007                   |                           |    |       | •              |
| 03154                   |                           |    | •     | •              | 03031                   |                           |    |       | •              |
| 03073                   |                           | •  | •     | •              | 03048                   |                           |    |       | •              |
| 03148                   |                           | •  | •     | •              | 03051                   |                           |    |       | •              |

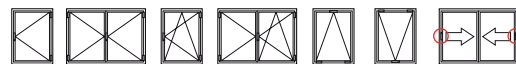


| REFERENCIA<br>REFERENCE | DIMENSIONES<br>DIMENSIONS | MV | TITAN | FENIX<br>DRACO | REFERENCIA<br>REFERENCE | DIMENSIONES<br>DIMENSIONS | MV | TITAN | FENIX<br>DRACO |
|-------------------------|---------------------------|----|-------|----------------|-------------------------|---------------------------|----|-------|----------------|
| 03069                   |                           |    |       | ●              | 03129                   |                           |    |       | ●              |
| 03070                   |                           |    |       | ●              | 03170                   |                           |    | ●     | ●              |
| 03071                   |                           |    |       | ●              | 03172                   |                           | ●  | ●     | ●              |
| 03072                   |                           |    |       | ●              |                         |                           |    |       |                |
| 03078                   |                           |    |       | ●              |                         |                           |    |       |                |
| 03083                   |                           |    |       | ●              |                         |                           |    |       |                |
| 03097                   |                           |    |       | ●              |                         |                           |    |       |                |
| 03098                   |                           |    |       | ●              |                         |                           |    |       |                |

**MV:** Microventilación | Micro ventilation

**FENIX:** Fenix, Fénix Mini

**DRACO:** Draco Max, Draco Line



Zm

Los ganchos combinados con un cerradero permiten realizar el cierre de las ventanas correderas.

The nibs combined with a keeper allow to realize the closing of the sliding windows.



### CARACTERÍSTICAS TÉCNICAS

- Ganchos válidos para los cierres de embutir Titán, Fénix y Draco.
- El dentado permite la regulación micrométrica del gancho.
- Se adaptan a múltiples series de ventanas corredera tradicionales o perimetrales.

### TECHNICAL CHARACTERISTICS

- Nibs valid for Titan, Fenix and Draco recessed handles.
- The toothing allow the micrometric adjustment of the nib.
- Adaptable to multiple series of traditional or perimetral sliding windows.

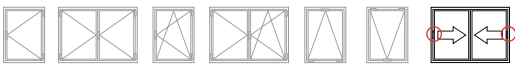
| REFERENCIA<br>REFERENCE | DIMENSIONES<br>DIMENSIONS |  | MV | TITAN | FENIX<br>DRACO |
|-------------------------|---------------------------|--|----|-------|----------------|
| 03003                   | <br><br>                  |  |    |       | ●              |
| 03032                   | <br><br>                  |  | ●  |       | ●              |
| 0403050                 | <br><br>                  |  | ●  |       | ●              |
| 0503085                 | <br><br>                  |  |    |       | ●              |
| 0503132                 | <br><br>                  |  |    |       | ●              |
| 0403149                 | <br><br>                  |  |    | ●     | ●              |

**MV:** Microventilación | Micro ventilation

**FENIX:** Fenix, Fénix Mini

**DRACO:** Draco Max, Draco Line





The keeper combined with a nib allow to realize the closing of the sliding windows.

El cerradero combinado con un gancho permite realizar el cierre de las ventanas correderas.

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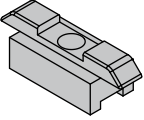
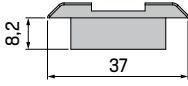
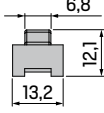
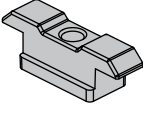
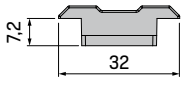
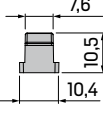
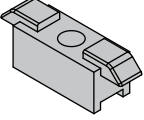
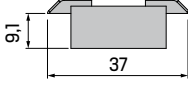
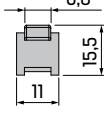
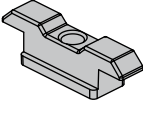
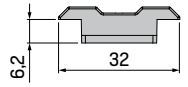
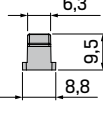
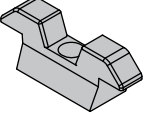
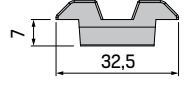
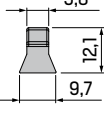
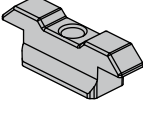
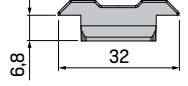
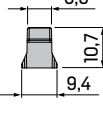
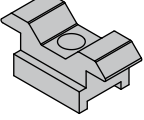
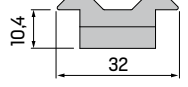
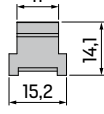
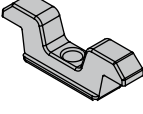
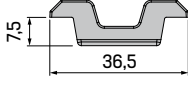
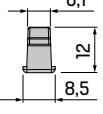
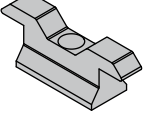
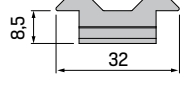
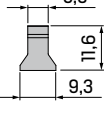
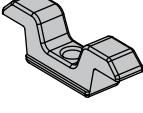
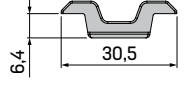
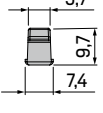
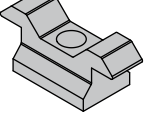
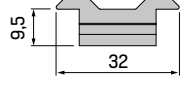
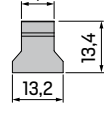
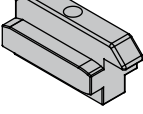
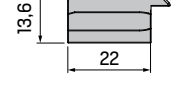
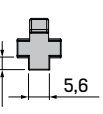
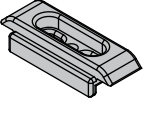
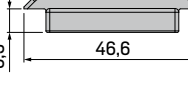
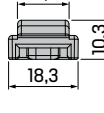
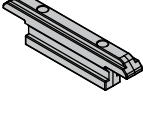
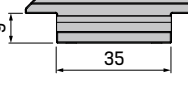
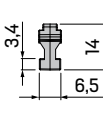
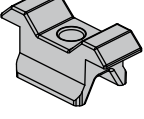
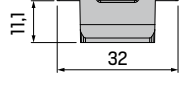
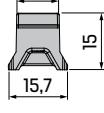


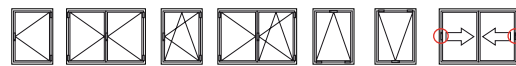
**TECHNICAL CHARACTERISTICS**

- Grooved keepers and overlapped keepers are available.
- Adjusted to the frame to regulate with the closing nib.
- Adaptable to multiple series of traditional or perimetral sliding windows.

**CARACTERÍSTICAS TÉCNICAS**

- Disponibles cerraderos acanalados y cerraderos superpuestos.
- Ajustados al marco para regular con el gancho de cierre.
- Se adaptan a múltiples series de ventanas corredera tradicionales o perimetrales.

| REFERENCIA<br>REFERENCE | DIMENSIONES<br>DIMENSIONS   | REFERENCIA<br>REFERENCE   | DIMENSIONES<br>DIMENSIONS  |
|-------------------------|---|---|--|
| 0503009                 |          | 0503075   |          |
| 0503010                 |       | 0503076   |       |
| 0503011                 |    | 0503077   |    |
| 0503012                 |    | 0503131   |    |
| 0503013                 |    | 0503171   |    |
| 0503014                 |    | 0403047   |    |
| 0503028                 |    | 03079C  |    |
| 0503074                 |    | Las referencias incluyen tornillería<br>References include screws |  |



El cerradero combinado con un gancho permite realizar el cierre de las ventanas correderas.

The keeper combined with a nib allow to realize the closing of the sliding windows.

### CARACTERÍSTICAS TÉCNICAS

- Disponibles cerraderos acanalados y cerraderos superpuestos.
- Ajustados al marco para regular con el gancho de cierre.
- Se adaptan a múltiples series de ventanas corredera tradicionales o perimetrales.

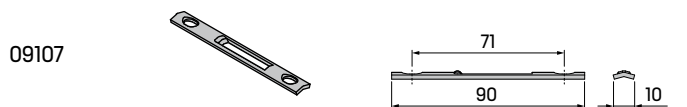
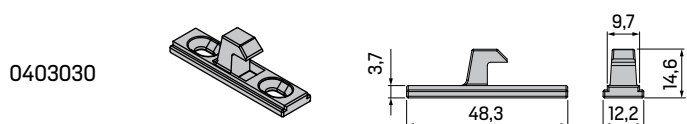
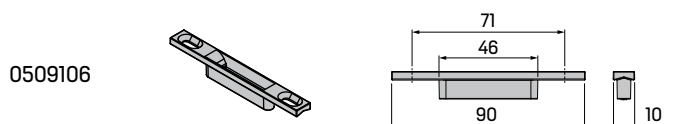
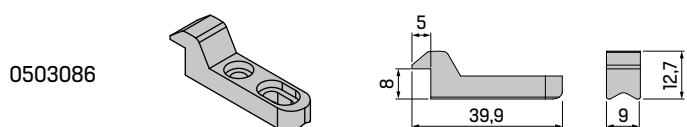
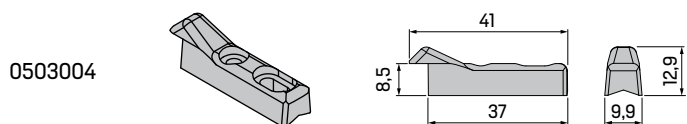
### TECHNICAL CHARACTERISTICS

- Grooved keepers and overlapped keepers are available.
- Adjusted to the frame to regulate with the closing nib.
- Adaptable to multiple series of traditional or perimetral sliding windows.



REFERENCIA  
REFERENCE

DIMENSIONES  
DIMENSIONS





The bogies allow the sash to slide smoothly without jerking on the rail of the frame.

Los carros permiten a la hoja deslizarse de forma fluida sin tirones sobre el carril del marco.

**TECHNICAL CHARACTERISTICS**

- Micrometrically adjustable that allow moving the sash vertically.
- Adjustment is possible with the sash installed.
- Wide load capacity range.
- The wheels are mounted on ball bearings.

**CARACTERÍSTICAS TÉCNICAS**

- Regulación micrométrica que permite mover la hoja en sentido vertical.
- La regulación es posible con la hoja instalada.
- Amplio rango de capacidad de carga.
- Las ruedas están montadas sobre rodamientos de bolas.



Todas las referencias están preparadas para la siguiente geometría de marco.

All references are prepared for the following frame geometry.

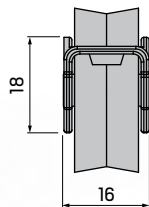
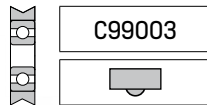


**Ac**

C99003

MAX  
30 kg  
HOJA | SASH

360



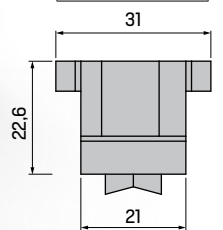
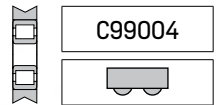
**ZM PA**

C99004

MAX  
50 kg  
HOJA | SASH

±2,5 mm

120



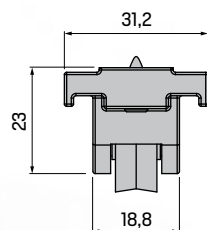
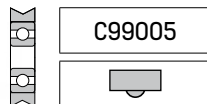
**PA**

C99005

MAX  
30 kg  
HOJA | SASH

±1 mm

480

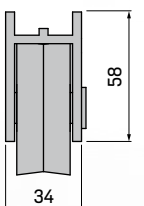
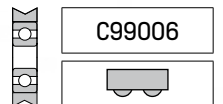


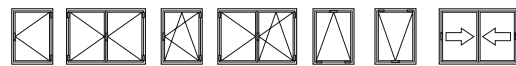
**AL**

C99006

MAX  
120 kg  
HOJA | SASH

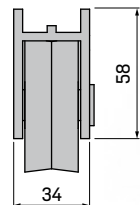
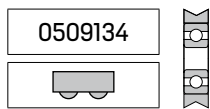
340





C99007

Al

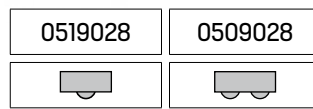


HOJA | SASH



S2000

PE



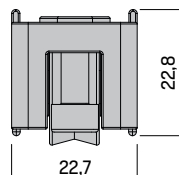
HOJA | SASH



HOJA | SASH

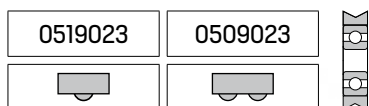


±1,5 mm



S2000

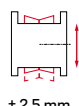
Zm



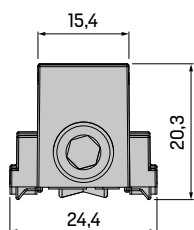
HOJA | SASH



HOJA | SASH

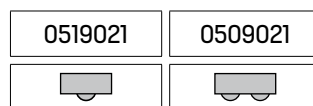


±2,5 mm



S4200

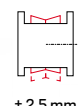
Zm



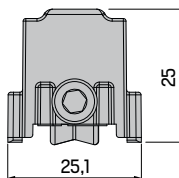
HOJA | SASH



HOJA | SASH

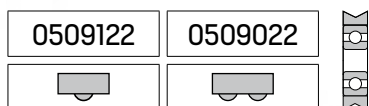


±2,5 mm



S5000 S2000 HR

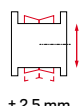
Zm



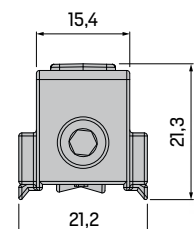
HOJA | SASH

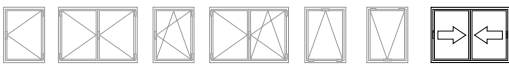


HOJA | SASH



±2,5 mm





PA

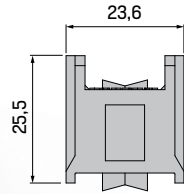
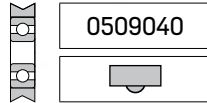
S70P

MAX  
50 kg

HOJA | SASH



±1 mm



PE

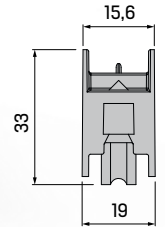
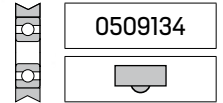
S70 S92

MAX  
50 kg

HOJA | SASH



±2.5 mm



Zm

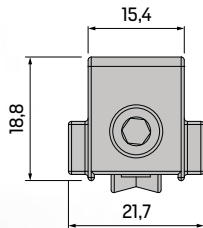
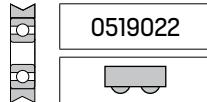
S5000 G90

MAX  
50 kg

HOJA | SASH



±2.5 mm



PP

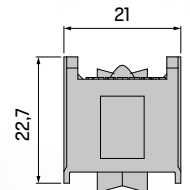
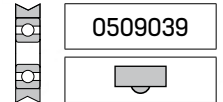
S60P

MAX  
40 kg

HOJA | SASH

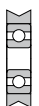


±1 mm



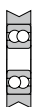
## INDICACIONES DE PRODUCTO

### PRODUCT INDICATIONS



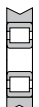
**Rodamiento de bolas**

Ball bearing



**Rodamiento de doble bola**

Double ball bearing



**Rodamiento de agujas**

Pin bearing



**Rueda simple**

Single bearing

PA

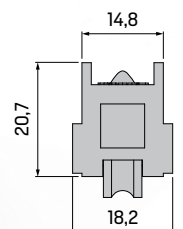
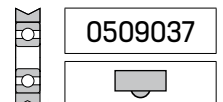
S62

MAX  
50 kg

HOJA | SASH



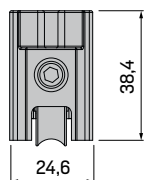
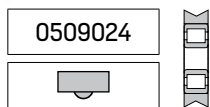
±1 mm





S6500

Zm



HOJA | SASH

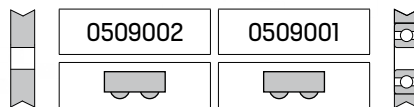


± 2,5 mm



S5000 S5200

PE



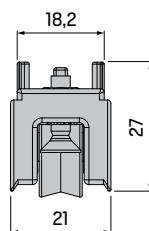
HOJA | SASH



HOJA | SASH

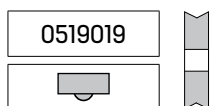


± 1,5 mm



S6200

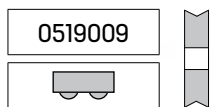
PA



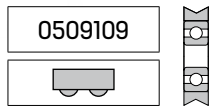
HOJA | SASH



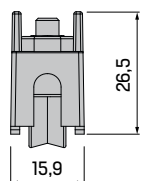
± 1,5 mm



HOJA | SASH



HOJA | SASH



INDICACIONES DE PRODUCTO

PRODUCT INDICATIONS



**Rodamiento de bolas**

Ball bearing



**Rodamiento de doble bola**

Double ball bearing



**Rodamiento de agujas**

Pin bearing



**Rueda simple**

Single bearing

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**\*NOTE:** On request, we can develop sliding window accessories for our clients.

If you have not found what you are looking for in this catalogue, please contact our commercial department and we will look for a solution.

**comercial@stac.es**

**\*NOTA:** Bajo pedido desarrollamos para nuestros clientes todo el accesorio para correderas.

Si no ha encontrado lo que busca en catálogo póngase en contacto con nuestro departamento comercial y estudiaremos una solución.

**comercial@stac.es**





# 16

## Escuadras Corner joints

Escuadras mecanizadas

Machined corner joints

Escuadras estampadas

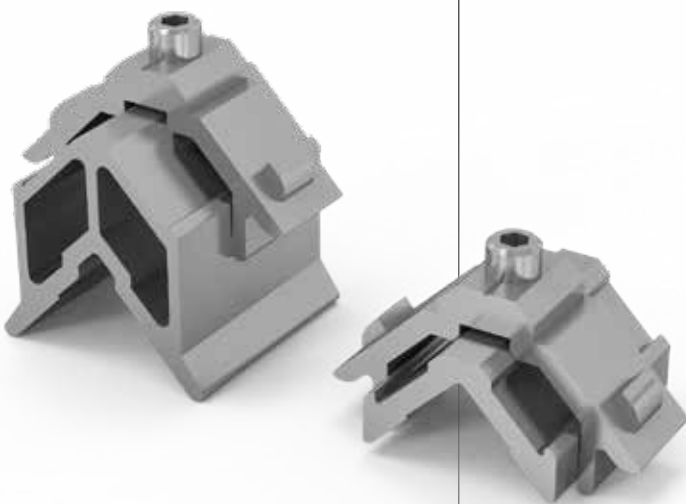
Pressed corner joints

Escuadras inyectadas de alineamiento

Die cast alignment corner joints

Otras escuadras de alineamiento

Other alignment corner joints





Escuadras mecanizadas para ensamblaje de los perfiles de hoja y marco.

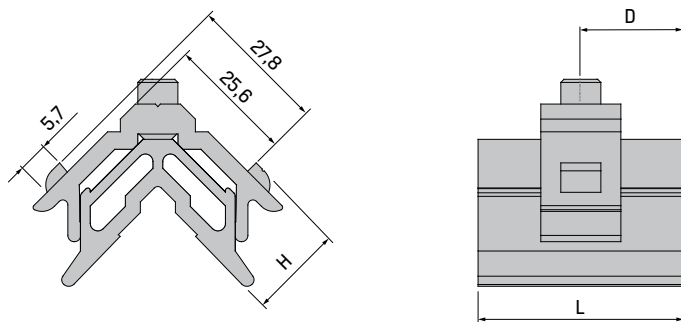
### CARACTERÍSTICAS TÉCNICAS

- Escuadras mecanizadas de tetón estriado y fresado, garantizando una mejor precisión durante el apriete del inglete.
- Elemento superior posicionado dependiendo del sistema y serie. Esto la convierte en versátil, ya que puede desplazarse sirviendo para otra serie distinta. Este desplazamiento permite absorber posibles irregularidades en el mecanizado estampado del perfil.

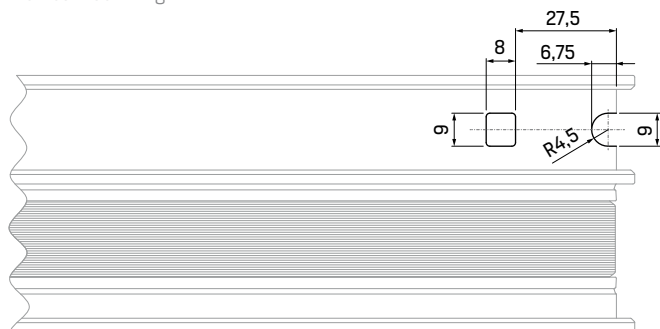
Machined corner joints for sash and frame assembly.

### TECHNICAL CHARACTERISTICS


- Machined corner joints with fluted teat and milled, guaranteeing improved precision when tightening the mitre joint.
- Top positioning element depending on the system and the series. This makes them versatile as they can be displaced and serve for another series. The displacement allows for the absorption of possible irregularities in the machining of the profile.



Mecanizado del perfil  
Profiles machining




### ESCUADRAS MECANIZADAS MACHINED CORNER JOINTS

| REF.       | H     | L     | D     |  |
|------------|-------|-------|-------|---|
| 02M1113C45 | 12    | 10,8  | CENT. | 300   |
| 02M2513C54 | 12    | 24    | CENT. | 250   |
| 02M1914C47 | 13,65 | 19    | CENT. | 400   |
| 02M1914D48 | 13,65 | 19    | 13,6  | 250   |
| 02M2014C50 | 13,65 | 19,4  | CENT. | -   |
| 02M2214C06 | 13,65 | 21,6  | CENT. | 250   |
| 02M2614C09 | 13,65 | 24,9  | CENT. | 250   |
| 02M2614D40 | 13,65 | 24,9  | 10,7  | 250   |
| 02M2814D36 | 13,65 | 27,5  | 15    | -   |
| 02M2914C32 | 13,65 | 28,6  | CENT. | 250   |
| 02M3014D35 | 13,65 | 29,8  | 12,5  | -   |
| 02M3714D14 | 13,65 | 36,85 | 15    | 250   |
| 02M4114D21 | 13,65 | 41    | 15    | 250   |
| 02M4214D24 | 13,65 | 41,5  | 15    | 250   |
| 02M4214C46 | 13,65 | 41,5  | CENT. | 250   |
| 02M4016D55 | 15,8  | 39,7  | 15    | -   |
| 02M2516D38 | 15,8  | 24,7  | 16    | 250   |
| 02M1316C53 | 15,9  | 12,1  | CENT. | 250   |
| 02M3718D15 | 17,6  | 37    | 15    | 200   |
| 02M3818D18 | 17,6  | 37,2  | 16    | 250   |
| 02M4218D25 | 17,6  | 41,5  | 15    | 200   |
| 02M1120C43 | 19,2  | 10,8  | CENT. | 250   |
| 02M2020C49 | 19,2  | 19    | CENT. | -   |
| 02M2620D31 | 19,2  | 24,7  | 16    | 200   |
| 02M2520D39 | 19,2  | 25    | 16    | 250   |
| 02M4220C26 | 19,2  | 41,1  | CENT. | 150   |
| 02M1724C52 | 23,8  | 16,3  | CENT. | -   |
| 02M2626C10 | 25,2  | 24,7  | CENT. | 200   |
| 02M3826D19 | 25,2  | 37,5  | 16    | 175   |
| 02M1730C51 | 30    | 16,3  | CENT. | -   |
| 02M1131C42 | 30,9  | 10,8  | CENT. | 250   |
| 02M1531C54 | 30,9  | 14,3  | CENT. | 250   |
| 02M2231C07 | 30,9  | 21,8  | CENT. | 225   |
| 02M2531D37 | 30,9  | 24,7  | 16    | 200   |
| 02M2631C11 | 30,9  | 24,7  | CENT. | 200   |
| 02M2632D30 | 30,9  | 24,7  | 16    | 130   |
| 02M3231C13 | 30,9  | 31,5  | CENT. | 100   |
| 02M3731D16 | 30,9  | 36    | 15    | 250   |
| 02M4231D27 | 30,9  | 41    | 15    | 250   |
| 02M2235D08 | 33,2  | 22    | 15    | -   |
| 02M2636D12 | 35,2  | 25,6  | 11    | 125   |
| 02M3736D17 | 35,2  | 36    | 15    | 245   |
| 02M4236D28 | 35,2  | 40,8  | 15    | 250   |
| 02M1141C44 | 39,2  | 10,8  | CENT. | 250   |
| 02M3840D20 | 39,2  | 37,5  | 15    | 245   |
| 02M4141C23 | 41,2  | 40,5  | CENT. | 245   |


CENT. = CENTRADO CENTRED

ESCUADRAS ESTAMPADAS Ø8 Ø8 PRESSED CORNER JOINTS

| REF.     | H    | L    | D     |  |
|----------|------|------|-------|---|
| 14221401 | 13,6 | 21,6 | CENT. | 250   |
| 14251403 | 13,6 | 24,7 | CENT. | 250   |
| 14271415 | 13,6 | 27   | 12    | -   |
| 14291416 | 13,6 | 28,4 | 10,5  | 200   |
| 14301417 | 13,6 | 29,8 | 12,5  | 100   |
| 14311418 | 13,6 | 30,4 | CENT. | -   |
| 14371402 | 13,6 | 36,6 | 15    | 250   |
| 14361427 | 13,6 | 37   | CENT. | 250   |
| 14411419 | 13,6 | 41   | 15    | 100   |
| 14421404 | 13,6 | 41,5 | 15    | 250   |
| 14371820 | 17,3 | 37   | 15    | 250   |
| 14371821 | 17,3 | 37   | 16    | 180   |
| 14421822 | 17,3 | 41,5 | 15    | 150   |
| 14412023 | 19,2 | 41   | CENT. | 250   |
| 14252624 | 25,2 | 24,7 | CENT. | 150   |
| 14372625 | 25,2 | 37   | 16    | -   |
| 14223105 | 29,2 | 21,6 | CENT. | 150   |
| 14253006 | 29,2 | 24,7 | CENT. | 150   |
| 14303029 | 29,2 | 30,5 | CENT. | 250   |
| 14323026 | 29,2 | 31,9 | CENT. | 200   |
| 14363028 | 29,2 | 35,9 | CENT. | 200   |
| 14373007 | 29,2 | 36,6 | 15    | 220   |
| 14413008 | 29,2 | 41   | 15    | 200   |
| 14223409 | 33,2 | 21,8 | 15    | 150   |
| 14233610 | 35,2 | 25,8 | 11    | 125   |
| 14363630 | 35,3 | 35,9 | CENT. | 175   |
| 14363611 | 35,3 | 36,6 | 15    | 175   |
| 14423612 | 35,3 | 41,5 | 15    | 140   |
| 14384013 | 39,2 | 37,5 | 15    | 150   |
| 14414214 | 41   | 40,5 | CENT. | 150   |
| 14454231 | 41,5 | 44,6 | CENT. | 100   |

CENT. = CENTRADO CENTRED

ESCUADRAS ESTAMPADAS Ø6 Ø6 PRESSED CORNER JOINTS

| REF.       | H    | L    | D     |  |
|------------|------|------|-------|---|
| 02E2514C39 | 14,1 | 25   | CENT. | -   |
| 02E1614C29 | 14,2 | 15,6 | CENT. | -   |
| 02E2014C33 | 14,2 | 19,2 | CENT. | 250   |
| 02E1218C02 | 17,5 | 12,3 | CENT. | 250   |
| 02E1822C40 | 21,5 | 17,8 | CENT. | 300   |
| 02E4124D37 | 23,5 | 41   | 10    | 180   |
| 02E1836C41 | 35,5 | 17,4 | CENT. | -   |
| 02E2638C38 | 37,5 | 26   | CENT. | -   |

CENT. = CENTRADO CENTRED



Escuadras estampadas de tetón redondo para ensamble de los perfiles de hoja y marco.

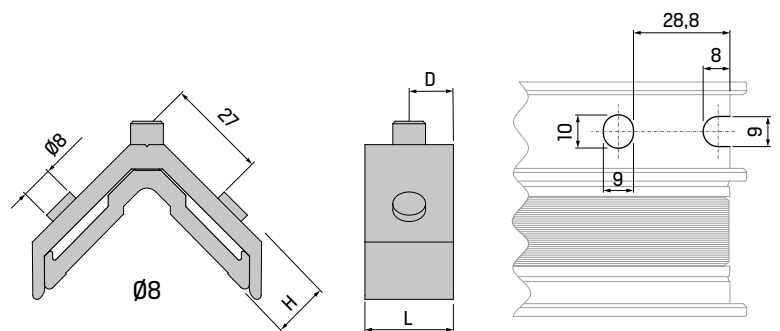
CARACTERÍSTICAS TÉCNICAS

- Escuadras de bloqueo estampadas con pivotes redondos. Elementos superior e inferior mecanizados al mismo ancho de corte.

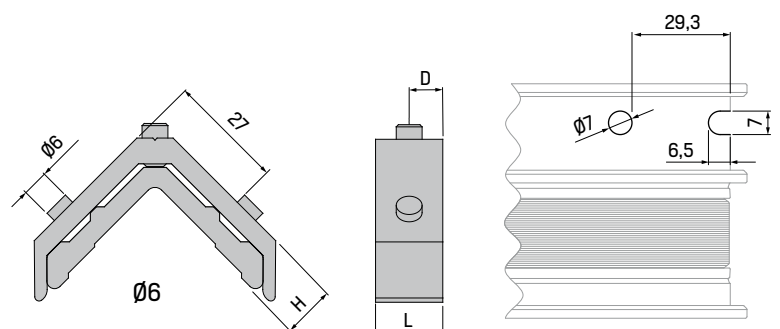
Pressed corner joints with rounded teats for sash and frame profile assembly

TECHNICAL CHARACTERISTICS

- Blocking pressed cleats with rounded pivots. Top and bottom elements that are machined at the same cut width.



Mecanizado del perfil  
Profile machining



Mecanizado del perfil  
Profile machining

# ESCUADRAS INYECTADAS DE ALINEAMIENTO

## DIE CAST ALIGNMENT CORNER JOINTS



Escuadras para el alineamiento de los perfiles de hoja y marco.

Corner joints for sash and frame profile alignment.

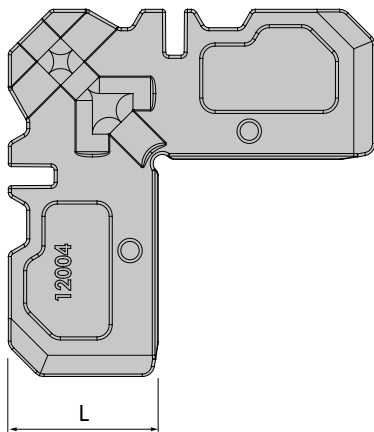
### CARACTERÍSTICAS TÉCNICAS

- Las escuadras de alineación tipo fuji tienen función de apriete.
- Las escuadras de expansión lateral están provistas de tornillo de anclaje.

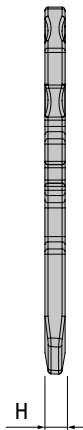
### TECHNICAL CHARACTERISTICS

- The fuji type alignment corner joints are for tightening.
- The angular joining corner joints are supplied with a fixing screw.

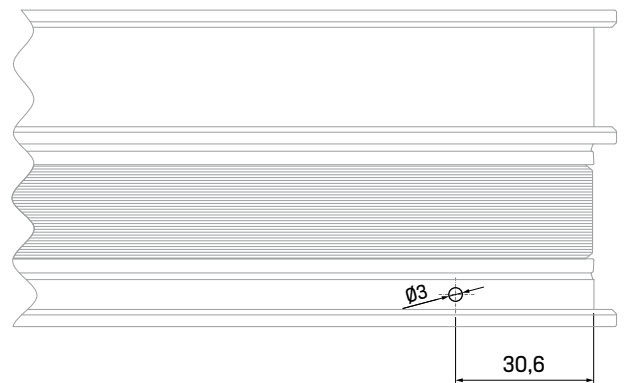
ESCUADRA TIPO BALA | BULLET TYPE CORNER JOINT




BALA | BULLET



Mecanizado del perfil  
Profile machining



### ESCUADRAS INYECTADAS DIE CAST CORNER JOINTS

| REF.  | H   | L    | TIPO TYPE   |  |
|-------|-----|------|-------------|---|
| 12004 | 3,3 | 24,5 | BALA BULLET | 500   |
| 12005 | 4   | 39,1 | BALA BULLET | 350   |
| 12001 | 9   | 30,2 | BALA BULLET | 250   |
| 12002 | 9,2 | 15,4 | BALA BULLET | 345   |

### BALAS BULLETS

|       |                                 |  |     |
|-------|---------------------------------|--|-----|
| 12003 | Ø3 x 8,8 mm de cabeza   of head |  | 400 |
|-------|---------------------------------|--|-----|

Escuadras para el alineamiento de los perfiles de hoja y marco.

Corner joints for sash and frame profile alignment.

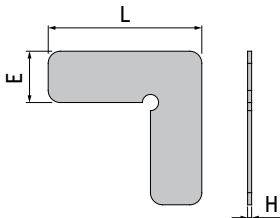
**CARACTERÍSTICAS TÉCNICAS**

- Permiten el perfecto alineado de hoja y marco.

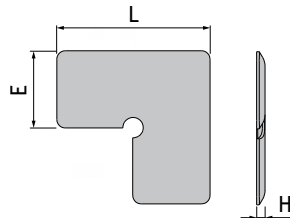
**TECHNICAL CHARACTERISTICS**

- They enable a perfect sash and frame alignment.

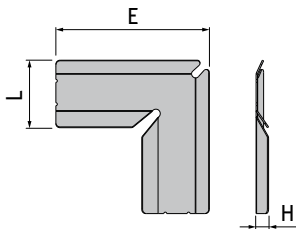
Escuadras planas  
Flat corner joints



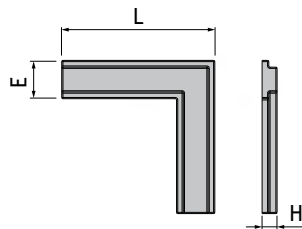
Escuadras embutidas  
Recessed corner joints



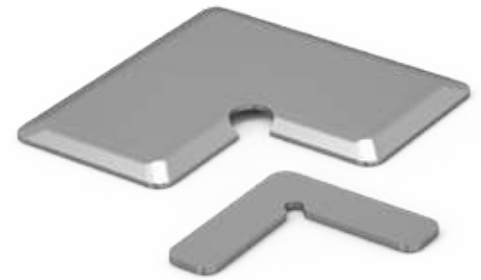
Escuadras plegadas  
Folded corner joints



Otras escuadras  
Other corner joints




ESCUADRAS PLANAS Y EMBUTIDAS  
FLAT AND RECESSED CORNER JOINTS



ESCUADRAS PLEGADAS  
FOLDED CORNER JOINTS




**ESCUADRAS PLANAS, EMBUTIDAS Y PLEGADAS** FLAT, RECESSED AND FOLDED CORNER JOINTS

| REF.    | H   | E     | L     | TIPO TYPE         | MATERIAL |  |
|---------|-----|-------|-------|-------------------|----------|---|
| 99019   | 1   | 12,7  | 38    | PLANA FLAT        | Inx      | 3000  |
| 99020   | 1,1 | 14,7  | 39,2  | EMBUTIDA RECESSED | Inx      | 3000  |
| 99018   | 1,2 | 7,2   | 25,3  | PLANA FLAT        | Inx      | 3000  |
| 99017   | 2,2 | 25,6  | 45,2  | EMBUTIDA RECESSED | Inx      | -   |
| 99021   | 2,3 | 22,7  | 45,2  | EMBUTIDA RECESSED | Inx      | 3000  |
| 0999049 | 4,1 | 26,25 | 53,27 | PLEGADA FOLDED    | Inx      | 250   |
| 0999061 | 4,3 | 23,14 | 52,59 | PLEGADA FOLDED    | Inx      | 250   |
| 99068   | 5   | 23,8  | 52,87 | PLEGADA FOLDED    | Inx      | 1500  |
| 0999062 | 5,9 | 17    | 49,62 | PLEGADA FOLDED    | Inx      | 250   |

OTRAS ESCUADRAS  
OTHER CORNER JOINTS



**OTRAS ESCUADRAS** OTHER CORNER JOINTS

| REF.    | H    | E     | L     | TIPO TYPE              | MATERIAL |  |
|---------|------|-------|-------|------------------------|----------|---|
| 99137   | 5,10 | 13,7  | 65    | ENSAMBLADA ASSEMBLED   | AL       | 500   |
| 99127   | 22   | 13,7  | 65    | ENSAMBLADA ASSEMBLED   | AL       | -   |
| 99126   | 25,2 | 13,7  | 65    | ENSAMBLADA ASSEMBLED   | AL       | -   |
| 99027   | 2,45 | 6,25  | 25    | ALINEAMIENTO ALIGNMENT | PA       | 5000  |
| 99004   | 3,00 | 17,30 | 50    | SOLAPADA OVERLAPPED    | PA       | 2000  |
| 0999055 | 3,05 | 29    | 59    | SOLAPADA OVERLAPPED    | PA       | 770   |
| 0599145 | 3,80 | 8,80  | 29,7  | ALINEAMIENTO ALIGNMENT | ZM       | 500   |
| 0599089 | 4,05 | 7,25  | 34,05 | ALINEAMIENTO ALIGNMENT | ZM       | 350   |



17

# Más productos

## More products

Topes de zanca

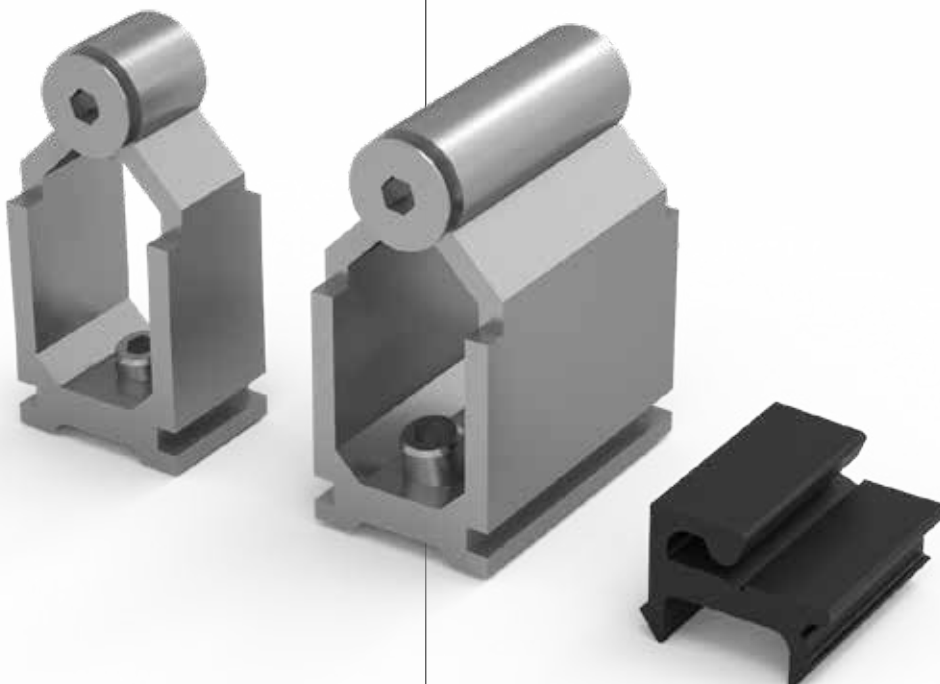
Transom joints

Inyección de plástico

Plastic injection moulding

Fallebas para Canal Europeo

Euro Groove operating rods



# TOPES DE ZANCA

## TRANSOM JOINTS

04001

04005

04006



AL INX

Mecanismos para ensamble de las zancas de puertas y ventanas.

Mechanisms for assembling door and window transoms.

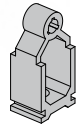
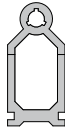
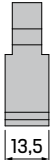
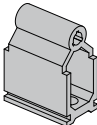
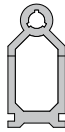
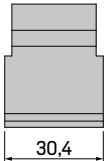
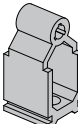
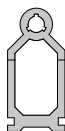
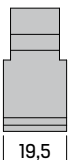
### CARACTERÍSTICAS TÉCNICAS

- Mecanismos válidos para series de perfil con Canal Europeo.
- Se suministran con tornillos.

### TECHNICAL CHARACTERISTICS

- Mechanisms valid for Euro Groove profile series.
- Supplied with screws.

### TOPES DE ZANCA TRANSOM JOINTS

| REF.  | DIMENSIONES DIMENSIONS   |   |   |
|-------|--|---|---|
| 04001 |    |    |  250   |
| 04005 |   |   |  250  |
| 04006 |  |  |  250 |



Plastic injection moulded products made with maximum quality materials that complement other STAC products.

Productos inyectados en plásticos con materiales de máxima calidad que complementan otros productos STAC.

GRAPA JUNQUILLO  
GLAZING BEAD CLIP

**TECHNICAL CHARACTERISTICS**

- Deflector cover for 30 x 5 mm Euro Groove casings.
- Glazing bead clip (ref. 99009), a polycarbonate element for fixing the glazing bead.

**CARACTERÍSTICAS TÉCNICAS**


- Tapa deflector para cajeados de 30 x 5 mm de Canal Europeo.
- Grapa junquillo (ref. 99009), elemento de policarbonato de sujeción del junquillo.

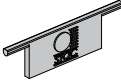
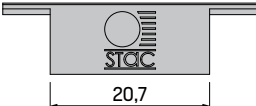
PA

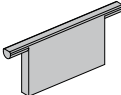
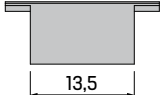
99009

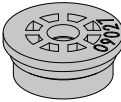
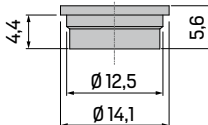


**TAPAS CAPS**

REF. DIMENSIONES DIMENSIONS A 

|        |   |   |      |      |
|--------|---|---|------|------|
| 09007* |  |  | 20,7 | 1000 |
|--------|---|---|------|------|

|        |  |  |      |      |
|--------|--|--|------|------|
| 99025* |  |  | 13,5 | 1000 |
|--------|--|--|------|------|


|       |   |   |       |      |
|-------|---|---|-------|------|
| 09027 |  |  | Ø12,5 | 1500 |
|-------|---|---|-------|------|

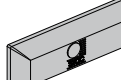
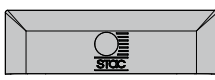

TAPAS DESAGÜE Y DEFLECTORES  
CAPS & DEFLECTORS

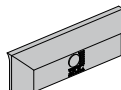
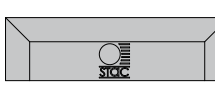

PA



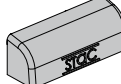


**DEFLECTORES DEFLECTORS**

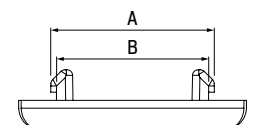
REF. DIMENSIONES DIMENSIONS A B 

|        |   |   |   |      |      |      |
|--------|---|---|---|------|------|------|
| 09006* |  |  |  | 33,2 | 30,9 | 1000 |
|--------|---|---|---|------|------|------|

|       |   |   |   |      |      |      |
|-------|---|---|---|------|------|------|
| 09016 |  |  |  | 22,7 | 31,1 | 1000 |
|-------|---|---|---|------|------|------|

|        |   |   |   |      |      |      |
|--------|---|---|---|------|------|------|
| A09020 |  |  |  | 30,6 | 33,4 | 1000 |
|--------|---|---|---|------|------|------|

|         |   |   |   |      |      |      |
|---------|---|---|---|------|------|------|
| P99024* |  |  |  | 22,6 | 20,2 | 1000 |
|---------|---|---|---|------|------|------|



\* Referencias disponibles en distintos colores. Consulte con su agente comercial.

\* References available in different colours. Consult with your commercial agent.

## FALLEBA DE POLIAMIDA PARA CANAL EUROPEO

EURO GROOVE POLYAMIDE OPERATING ROD

059233

250 m



STAC Mid PA



Falleba de poliamida para series de perfil de Canal Europeo.

### CARACTERÍSTICAS TÉCNICAS

- Disponible en dos materiales: poliamida y PVC.
- Diseño que permite un deslizamiento suave a través del canal del perfil.
- Mecanizado y corte a medida a través de troqueladoras de fallebas STAC.
- Permite poner tantos puntos de cierre adicionales como se requiera y en el lugar deseado.
- No se recomienda montar la falleba de PVC (ref. 059238) con remaches: ref. 0511088 y ref. 0517002.

Polyamide operating rod for Euro Groove profile series.

### TECHNICAL CHARACTERISTICS

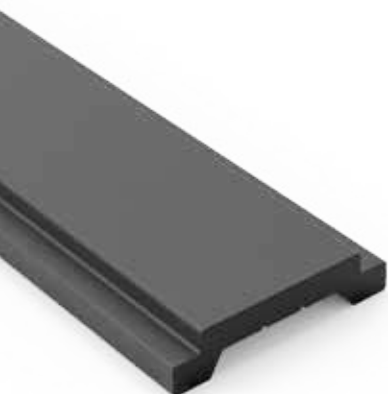
- Available in two materials: polyamide and PVC.
- Design allows smooth sliding through the profile groove.
- Machining and cut to size through STAC operating rod punch and cropper.
- It allows to put as many additional locking points as required and in the desired place.
- It is not recommended to mount the PVC operating rod (ref. 059238) with rivets: ref. 0511088 and ref. 0517002.

## FALLEBA DE PVC PARA CANAL EUROPEO

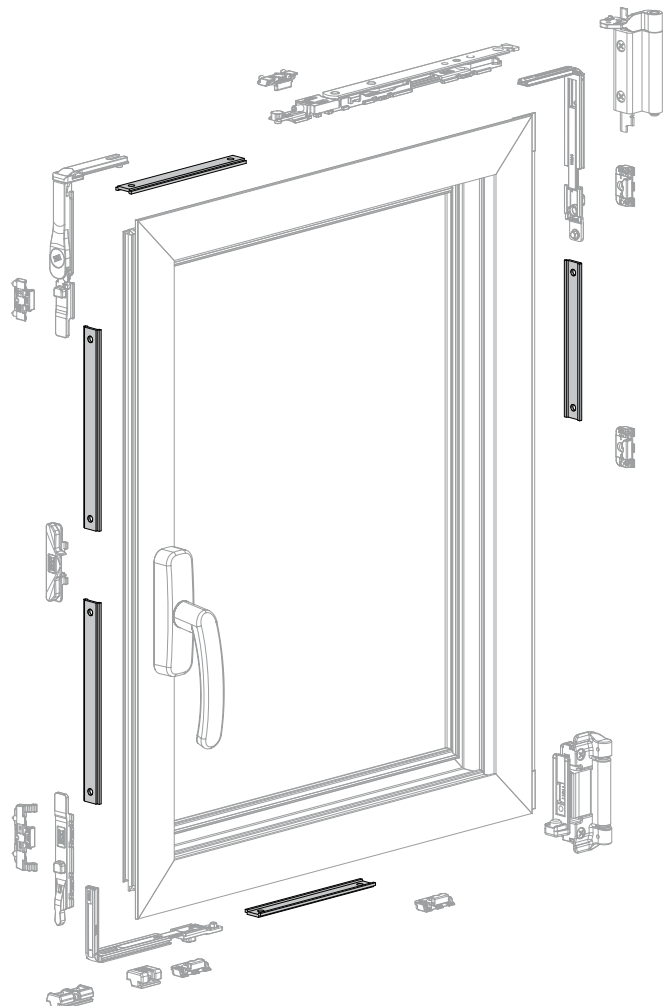
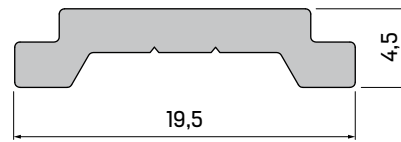
EURO GROOVE PVC OPERATING ROD

059238

250 m



STACplast PVC



Machining templates for carpentry workshops.

### TECHNICAL CHARACTERISTICS

- By using the same template you have various machining measurements for the different STAC hardware lines.
- By using templates in the copy milling machine this is done directly using feeler gauges.
- Manufactured in stainless steel AISI 304.

Plantillas de mecanizado de herraje STAC para talleres de carpintería.

Inx

### CARACTERÍSTICAS TÉCNICAS

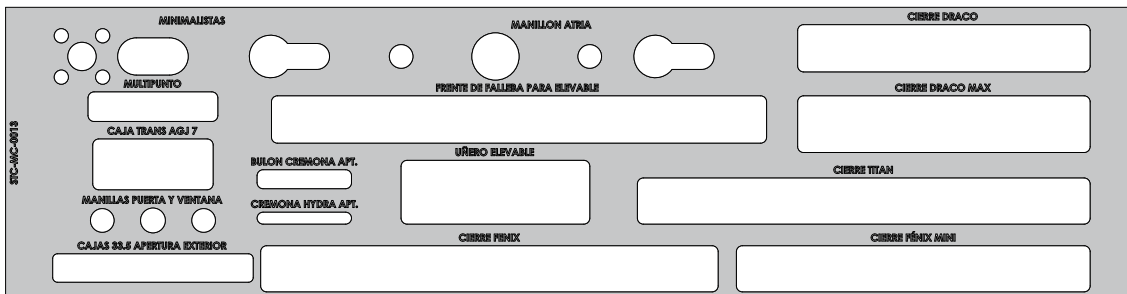
- Con una misma plantilla se tiene acceso a múltiples medidas de mecanizado de los distintos herrajes STAC.
- Con el uso de plantillas en las copiadoras el mecanizado se hace de forma directa a través de palpadores.
- Fabricadas en acero inoxidable AISI 304.

STC-MC-0013

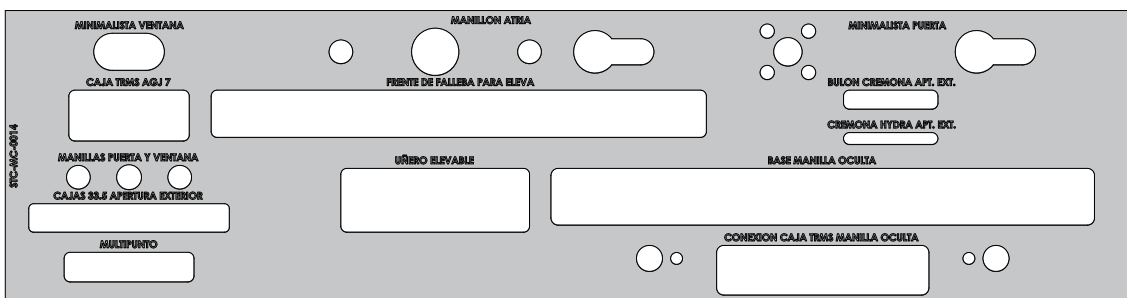
STC-MC-0014



#### STC-MC-0013



#### STC-MC-0014





# 18

## Maquinaria Machinery

Troqueladora de fallebas TFS-01  
TFS - 01 operating rod punch and cropper

Troqueladora de fallebas TFS-01C16  
TFS - 01C16 operating rod punch and cropper

Troqueladora de fallebas TFS-02  
TFS - 02 operating rod punch and cropper

Troqueladora de fallebas TFS-02C16  
TFS - 02C16 operating rod punch and cropper

Troqueladora de fallebas TFS-04  
TFS - 04 operating rod punch and cropper

Troqueladora de fallebas TFS-05  
TFS - 05 operating rod punch and cropper

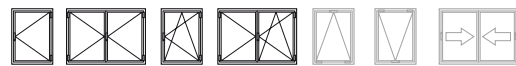
Troqueladora de fallebas TFS-06  
TFS - 06 operating rod punch and cropper

Troqueladora de fallebas TFS-08  
TFS - 08 operating rod punch and cropper

Banco de herraje STAC BHS-01  
Hardware assembly centre STAC BHS - 01

Notas técnicas  
Technical notes





4444



SOPORTE DEVANADORA DE BOBINA DE FALLEBA  
OPERATING ROD REEL SUPPORT

Máquina para realizar los diferentes mecanizados y remachados necesarios para los productos STAC.

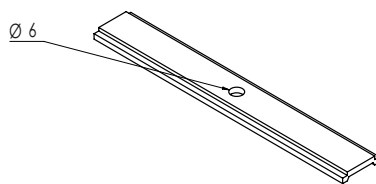
A machine to carry out the necessary different fabrications and riveting of STAC products.

**CARACTERÍSTICAS TÉCNICAS:**

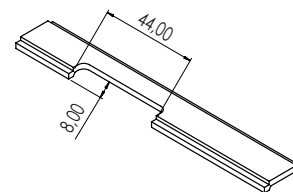
- Troquel neumático con cinco entradas.
- Regla graduada con topes de descuento predeterminados para las fallebas necesarias en el montaje del oscilo STAC

**TECHNICAL CHARACTERISTICS:**

- A Pneumatic punch tool with 5 entry points.
- A graduated regulation with pre-determined discount stops for the necessary operating rods to assemble the STAC tilt-turn



PUNZONADO 6 mm  
PUNCHING 6 mm

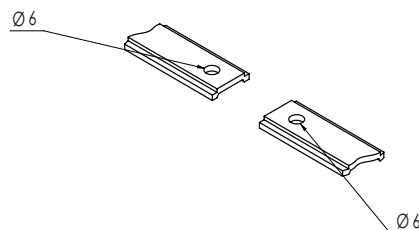


TROQUELADO LATERAL  
LATERAL DIE CUTTING

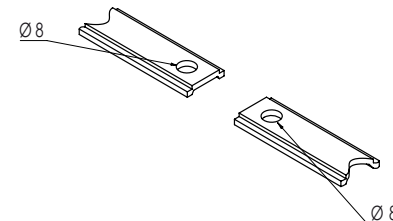
4446



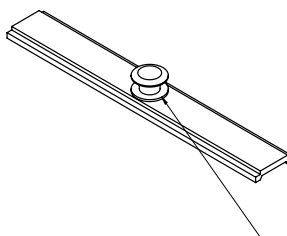
SOPORTE DEVANADORA DE BOBINA DE FALLEBA  
OPERATING ROD REEL SUPPORT



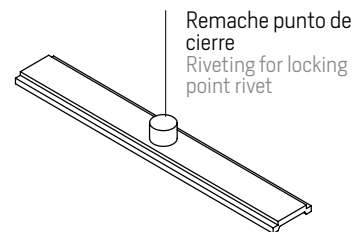
CORTE Y PUNZONADO 6 mm  
6 mm CUT AND PUNCHING



CORTE Y PUNZONADO 8 mm  
8 mm CUT AND PUNCHING

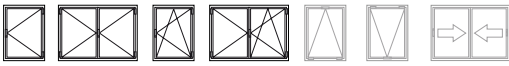


REMACHADO DE REMACHE DE TRANSMISIÓN  
RIVETING FOR TRANSMISSION RIVET



REMACHADO DE REMACHE PUNTO DE CIERRE  
RIVETING FOR LOCKING POINT RIVET

REMACHE REF. **0511088**  
REF. **11074**



A manual machine which is ideal for small production runs

Máquina manual ideal para pequeñas producciones.

**4444C16**

**TECHNICAL CHARACTERISTICS:**

- Performs all the necessary machining for the STAC16 tilt-turn and riveting of the locking points.
- Supplied with spool.

**CARACTERÍSTICAS TÉCNICAS:**

- Permite realizar todos los mecanizados necesarios para el montaje del oscilo STAC16 y el remachado de los puntos de cierre.
- Se suministra con devanadora.



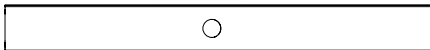
**MECANIZADOS TFS01-C16  
TFS01-C16 MACHINING**

Remachado  
Riveting

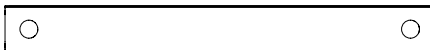


REF. **0517002**

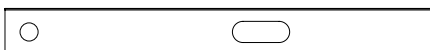
Punzonado 6 mm  
Punching 6 mm

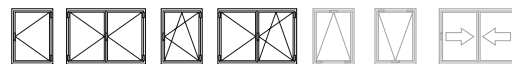


Corte y punzonado a 6 mm  
Cut and punching 6 mm



Ranura  
Slot





4445



Máquina totalmente automática para realizar los diferentes mecanizados y remachados de las fallebas para ventanas oscilobatientes y practicables STAC.

A machine that is totally automatic to carry out the different fabrications and riveting of the STAC operating rods for tilt-turn and casement windows.

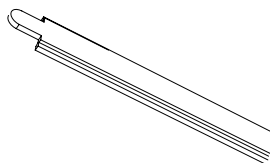
**TECHNICAL CHARACTERISTICS:**

- CARACTERÍSTICAS TÉCNICAS:**
- Alimentación automática de pletinas de poliamida.
  - Introduciendo las medidas de la hoja de la ventana y el compás deseado, nos realiza el corte de todas las pletinas automáticamente.
  - Colocación automática de los remaches punto de cierre y de transmisión.
  - Admite modo de funcionamiento manual o semiautomático.
  - Elementos y componentes de la máquina de máxima calidad.
  - Realiza gran variedad de mecanizados y remachados: distintos tipos de transmisión, posibilidad de múltiples puntos de cierre, punzonado de diámetro 6 u 8 mm, etc.

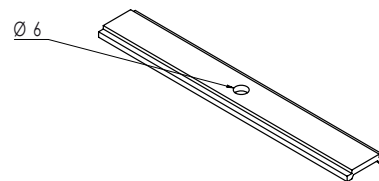
- Automatic polyamide rod feed.
- By introducing the window sash dimensions and the friction stay required the machine will fabricate the rods automatically.
- Automatic placing of the locking point and transmission rivets.
- It will also work in a manual or semi-automatic mode.
- Maximum quality in all the parts and components of the machine.
- It will carry out a great variety of fabrication and riveting: different transmission types, possibility of multiple locking points, 6 or 8 mm diameter punching etc.

SOPORTE DEVANADORA DE BOBINA DE FALLEBA  
OPERATING ROD REEL SUPPORT

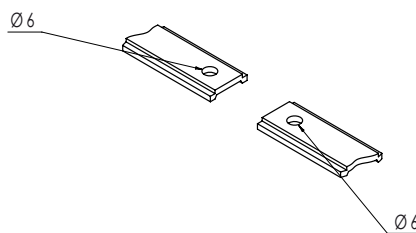
4446



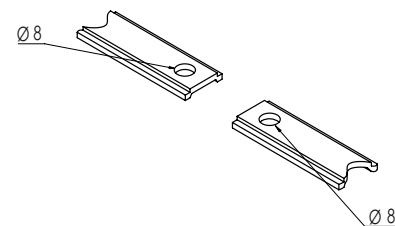
PUNZONADO  
PUNCHING



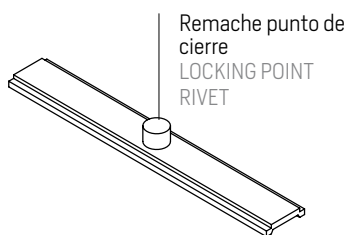
PUNZONADO 6 mm  
6 mm PUNCHING



CORTE Y PUNZONADO 6 mm  
6 mm CUT AND PUNCHING



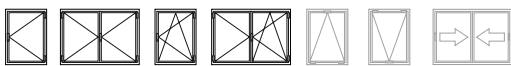
CORTE Y PUNZONADO 8 mm  
8 MM CUT AND PUNCHING



REMACADO DE REMACHE PUNTO DE CIERRE  
LOCKING POINT RIVETING

REF. 0511088





A machine that is totally automatic to carry out the different fabrications and riveting of the STAC operating rods for tilt-turn and casement windows.

#### TECHNICAL CHARACTERISTICS:

- Automatic polyamide rod feed.
- By introducing the window sash dimensions and the friction stay required the machine will automatically fabricate the rods.
- Automatic placing of the rivets.
- It will also work in manual or semi-automatic mode.
- Maximum quality in all the parts and components of the machine.
- It will carry out a great variety of fabrication and riveting: different transmission types, possibility of multiple locking points, 6 or 8 mm diameter punching etc.

Máquina totalmente automática para realizar los diferentes mecanizados y remachados de las fallebas para ventanas oscilobatientes y practicables STAC

#### CARACTERÍSTICAS TÉCNICAS:

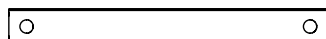
- Alimentación automática de pletinas de poliamida.
- Introduciendo las medidas de la hoja de la ventana y el compás deseado, nos realiza el corte de todas las pletinas automáticamente.
- Colocación automática de los remaches.
- Admite modo de funcionamiento manual o semiautomático.
- Elementos y componentes de la máquina de máxima calidad.
- Realiza gran variedad de mecanizados y remachados: distintos tipos de transmisión, posibilidad de múltiples puntos de cierre, punzonado de diámetro 6 mm.



4445C16

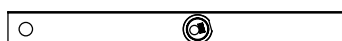


SOPORTE DEVANADORA DE BOBINA DE FALLEBA  
OPERATING ROD REEL SUPPORT



Falleba con taladros en los dos extremos.

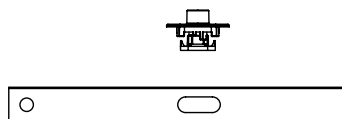
Operating rod with drill holes at both ends



Falleba con taladro en un extremo y remache en el otro.

REMACHE REF. 0511088

Operating rod with drill hole at one end and rivet in the other. RIVET REF. 0511088



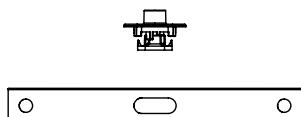
Falleba con taladro en un extremo y ranura para punto de cierre adicional en el otro.

Operating rod with drill hole at one end and a groove for an additional locking point in the other.



Falleba con taladros en los dos extremos y remache centrado.

Operating rod with drill holes at both ends and a centred rivet.



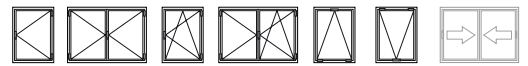
Falleba con taladros en los dos extremos y ranura para punto de cierre adicional centrado.

Operating rod with drill holes at both ends and a centred groove for an additional locking point.

4446



TROQUELADORA DE FALLEBAS TFS-04  
TFS-04 OPERATING ROD PUNCH AND CROPPER



4448



Troqueladora de fallebas semiautomática para pletina falleba de Canal Europeo.

**CARACTERÍSTICAS TÉCNICAS:**

- Mecaniza pletinas fallebas para Canal Europeo.
- Corte y punzonado a 6 mm. Además troquela y remacha.
- Facilita la actividad del técnico proporcionando mayor eficiencia y rapidez a su trabajo (menos recortes).
- Apenas ocupa espacio en el taller: 240 x 250 x 365 mm
- Elementos y componentes de la máquina de máxima calidad.

A semi-automatic punch and cropper for the Eurogroove operating rod.

**TECHNICAL CHARACTERISTICS:**

- It machines Eurogroove operating rods.
- 6 mm cut and punching. It also machines and rivets.
- It helps technical activity by increasing efficiency and speed of work (less re-cuts).
- It occupies very little space in the workshop: 240 x 250 x 365 mm.
- Maximum quality in all the parts and components of the machine.

TROQUELADORA DE FALLEBAS TFS-05  
TFS-05 OPERATING ROD PUNCH AND CROPPER

4449



Troqueladora de fallebas semiautomática que mecaniza pletinas falleba para Canal Europeo, canal 16 mm y canal Cortizo 16.

**CARACTERÍSTICAS TÉCNICAS:**

- Mecaniza pletinas fallebas para Canal Europeo, canal 16 mm y canal Cortizo 16.
- Corte y punzonado a 6 mm. Además troquela y remacha.
- Facilita la actividad del técnico proporcionando mayor eficiencia y rapidez a su trabajo (menos recortes)
- Apenas ocupa espacio en el taller: 240 x 250 x 365 mm
- Elementos y componentes de la máquina de máxima calidad.

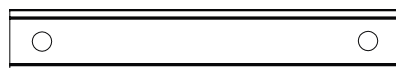
A semi-automatic punch and cropper for the Eurogroove operating rod, 16 mm groove and Cortizo 16 groove.

**TECHNICAL CHARACTERISTICS:**

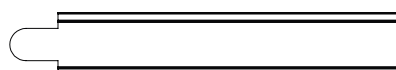
- It machines Eurogroove, 16 mm groove and Cortizo 16 groove operating rods.
- 6 mm cut and punching. It also machines and rivets.
- It helps technical activity by increasing efficiency and speed of work (less re-cuts).
- It occupies very little space in the workshop: 240 x 250 x 365 mm.
- Maximum quality in all the parts and components of the machine.

SOPORTE DEVANADORA DE BOBINA DE FALLEBA  
OPERATING ROD REEL SUPPORT

4450



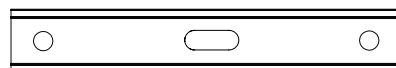
Corte y punzonado: 6 mm  
Cut and punching: 6 mm



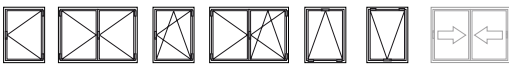
Troquelado  
Stamping



Remachado  
Remache REF. 0517002  
Riveting REF. 0517002



Corte y punzonado:  
6 mm y ranura  
Cut and punching: 6 mm and groove



An automatic machine to carry out different operating rod fabrications and riveting for aluminium tilt-turn, casements, C16 and PVC.

**TECHNICAL CHARACTERISTICS:**

- MULTIROD: fabricates C16, CE, C16 PVC operating rods
- D6 cut and punching
- CE stamping at the end of the rod
- Stac work system:
  - Assembly time
  - Re-cuts
- + Versatility
- = Greater productivity
- Programmable and configured to the Client's requirements
- New, more compact and robust mechanical design.
- Reel support included.

Maquina automática para realizar diferentes mecanizados y remachados de fallestas para ventanas oscilobatientes y practicables de aluminio, aluminio C16 y PVC.

**CARACTERÍSTICAS TÉCNICAS:**

- MULTIPLETINA: mecaniza pletinas fallestas C16, CE, C16 PVC
- Corte y punzonado D6
- Troquelado en punta pletina CE
- Sistema de trabajo STAC
  - Tiempo Montaje
  - Recortes
- + Versatilidad
- = Mayor Productividad
- Programable y configurable a medida del cliente
- Nuevo diseño mecánico más compacto y robusto.
- Devanadora incluida.



4451

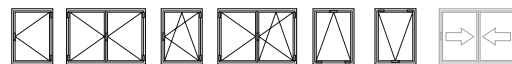


**STACCE** CANAL EUROPEO | EUROGROOVE

|  |  |   |                                   |
|--|--|---|-----------------------------------|
|  |  | Carga de remache 0517002 y operación remachado<br>Rivet loader 0517002 and riveting operation | MODO AUTOMÁTICO<br>AUTOMATIC MODE |
|  |  | Troquelado en Punta<br>Bar end fabrication  | MODO AUTOMÁTICO<br>AUTOMATIC MODE |
|  |  | Corte y Punzonado: 6 mm<br>Cut and punching: 6 mm   | MODO AUTOMÁTICO<br>AUTOMATIC MODE |

**STAC16** CANAL 16 | 16 mm GROOVE

|  |  |   |                                   |
|--|--|---|-----------------------------------|
|  |  | Carga de remache 0517002 y operación remachado<br>Rivet loader 0517002 and riveting operation | MODO AUTOMÁTICO<br>AUTOMATIC MODE |
|  |  | Ranurado<br>Grooving  |                                   |
|  |  | Corte y Punzonado: 6 mm<br>Cut and punching: 6 mm   | MODO AUTOMÁTICO<br>AUTOMATIC MODE |
|  |  | Corte y Punzonado: 6mm<br>Cut and punching: 6 mm<br>Ranurado<br>Grooving                      | MODO AUTOMÁTICO<br>AUTOMATIC MODE |



**TFS08-CE-N00**



\* Máquina manual para realizar diferentes cortes y punzonados para ventanas oscilobatientes y practicables

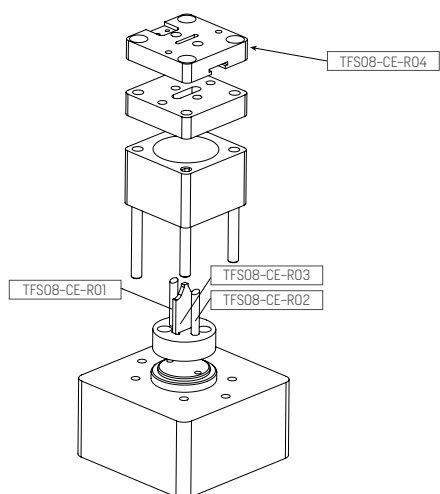
\* Manually operated machinery for carrying out various cutting and punching operations for tilt-turn and casement windows.

**CARACTERÍSTICAS TÉCNICAS:**

- Sistema de corte único, sin operaciones aritméticas y descuentos directos desde la ventana.
- Manual, simple y de alta productividad.
- Prácticamente nulo mantenimiento.
- Válida para las configuraciones más habituales de cremona y caja de transmisión.
- Mecaniza pletinas STAC CE.
- Corte y punzonado D6.

**TECHNICAL CHARACTERISTICS:**

- Single cutting system, no arithmetic and direct discounts from the window.
- Manual, simple and high productivity.
- Practically maintenance free.
- Valid for the most common cremona and transmission case configurations.
- STAC CE machined backplates.
- D6 cutting and punching.



A continuación se muestra las referencias y una descripción de cada componente.

Below are the references and a description for each item.

**TFS08-CE-R01**

Punzón circular. Longitud 52 mm para perforado cilíndrico  
Circular punch. Length 52 mm for cylindrical perforation

**TFS08-CE-R02**

Punzón circular longitud 50 mm para perforado cilíndrico  
Circular punch. Length 50 mm for cylindrical perforation

**TFS08-CE-R03**

Cuchilla para realizar corte terminal de falleba  
Blade for cutting operating rod

**TFS08-CE-R04**

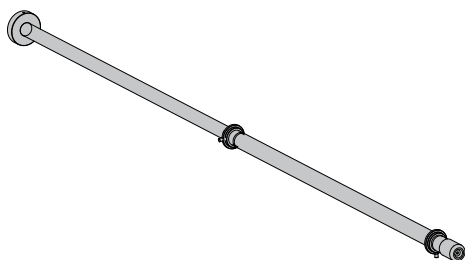
Matriz de corte  
Cutting matrix

**BASTÓN TELESCÓPICO TFS-08**  
TFS-08 TELESCOPIC BATON

**TFS08-BA-00**

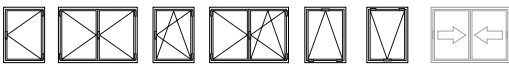
Bastón telescópico que se emplea para tomar las medidas necesarias para los descuentos dependiendo del tipo de ventana que se quiera preparar.

Telescopic baton used to measure discounts depending on the type of window to be prepared.



\* En el catálogo técnico TFS-08 vienen especificadas todas las configuraciones posibles en esta máquina.

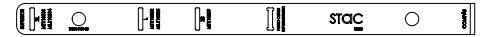
\* In the TFS-08 technical catalogue all the possible configurations for the machine are outlined.



REGLAS TFS-08  
TFS-08 RULES

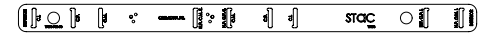
Regla compás  
Friction stay rule

**TFS08-P01-00**



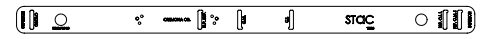
Regla cremona practicable  
Casement cremone rule

**TFS08-P02-00**



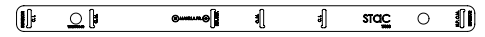
Regla cremona oscilo  
Tilt cremone rule

**TFS08-P03-00**



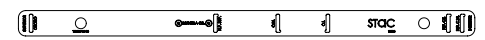
Regla manilla practicable  
Casement handle rule

**TFS08-P04-00**



Regla manilla oscilo  
Tilt handle rule

**TFS08-P05-00**



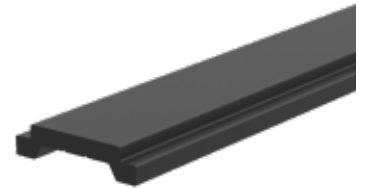
FALLEBAS  
OPERATING RODS

Falleba Poliamida  
Polyamide operating rod

**059233**

Falleba PVC  
PVC operating rod

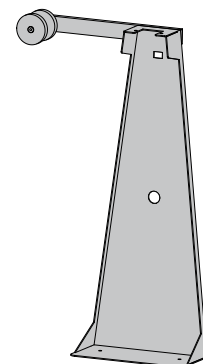
**059238**



SOPORTE TFS-08  
TFS-08 SUPPORT

Soporte TFS-08  
TFS-08 Support

**TFS08-SOP-00**

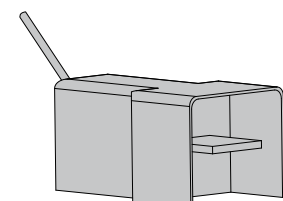


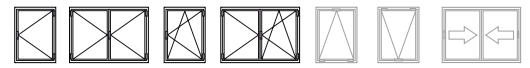
PEDAL TFS-08  
TFS-08 PEDAL



Pedal TFS-08  
TFS-08 Pedal

**TFS08-PED-00**





**BHS-01**



Máquina destinada a la realización de mecanizados, atornillado, corte y montaje de los herrajes STAC16 y STAC16 PVC.

A machine for carrying out hardware fabrication, screwing, cutting and assembly for STAC16 & STAC16 PVC.

**CARACTERÍSTICAS TÉCNICAS:**

- Máquina de bancada basculantes neumática y ergonómica.
- Con centradores automáticos de hojas de ventana para el mecanizado de la cremona.
- Con topes regulables de fresado o taladrado de cremona (cota fija o variable) y corte de transmisiones (según sistemas de herrajes).
- Provisto de atornillador con carga automática de tornillos.
- Máquina que posee una capacidad para albergar marcos de hoja o ventana con alto máximo de 3000x3000 mm aprox. y un mínimo de 300x300 con espesor máximo 100 mm y una sección variable entre 25 a 100mm.

**TECHNICAL CHARACTERISTICS:**

- A pneumatic and ergonomic tilting bench machine.
- With automatic window sash centering for cremona machining.
- With adjustable cremona milling or drilling stops (fixed or variable dimension) and transmission cutting (according to hardware systems).
- It has a screwdriver with automatic screw loading.
- The machine has a capacity to accommodate sash frames or windows with a maximum height of 3000 x 3000 mm approx. and a minimum of 300 x 300 and a maximum thickness of 100 mm and a variable section of between 25 to 100 mm.



Mesa de Trabajo  
Work bench



Cilindros Basculantes  
Tilting cylinders



Sistema de Topes Para Cota Fija  
Stop system for fixed number



Unidad Fresado Inferior Cremona  
Lower cremona milling unit



Cizalla Para Pletina Poliamida  
Shear for the Polyamide Bar



Modulo Atornillado Automático - Manual  
Screwing module  
Automatic - Manual



Cargador Automático de Tornillo  
Automatic screw loader



Cuadro de Mandos  
Control panel



The STAC machinery is designed to be utilised only and exclusively with STAC products.

If it is used with whatever other type of hardware, STAC S.L will not be held responsible for its operation.

In particular with regard to the operating rod punch and cropper, STAC S.L. will not be held responsible for its operation with other rods that are not polyamide operating rods for Eurogroove and 16 mm groove **STAC MID**.



La maquinaria STAC está diseñada para ser utilizada única y exclusivamente con productos STAC.

Si se utiliza con cualquier otro tipo de herraje STAC S. L. no se hace responsable de su funcionamiento.

En el caso concreto de las troqueladoras de fallebas, STAC S.L. no se hace responsable de su funcionamiento con otras pletinas que no sean las pletinas fallebas de poliamida para Canal Europeo y canal 16 mm **STAC MID**.





# 19

## STAC16

**Practicable STAC16**

STAC16 casement

**Bisagra de puerta ACRUX C16**

ACRUX C16 door hinge

**Bisagra practicable**

Casement hinge

**Oscilobatiente STAC16**

STAC16 tilt & turn

**Compases**

Friction stays

**Bisagras hoja pasiva**

Passive sash hinge

**Compás suplementario**

Supplementary friction stay

**Compás limitador**

Friction stay restrictor

**Compás de aireación**

Aeration friction stay

**Kit ángulo de reenvío suplementario**

Supplementary corner drive kit

**Kit pasador de palanca bidireccional**

Two-way lever bolt kit

**Kit clip retenedor**

Retaining clip kit

**Tope anti-elevación 2 hojas**

Double sash anti-lift stop

**Complementos STAC16**

STAC16 accessories

**Microventilación STAC16**

STAC16 micro-ventilation

**Cajas de transmisión STAC16**

STAC16 gearboxes

**Fallebas STAC16**

STAC16 operating rods

**Ángulos de reenvío INOX**

Stainless steel corner drives

**Palanca bidireccional**

Two-way shootbolt lever

El herraje STAC16 está basado en la filosofía de los herrajes de PVC, pero manteniendo ciertas características de los herrajes de Canal Europeo:

Del herraje de PVC ha tomado:

- Montaje frontal: reduce los tiempos de montaje y ofrece la posibilidad de montar el herraje de forma manual, en bancos de montaje, o de forma completamente automatizada.

Del herraje para Canal Europeo mantiene:

- Modularidad: los componentes son siempre los mismos independientemente del tamaño de la hoja y tipo de apertura, lo que se traduce en una importante reducción de las referencias en el almacén. Éstos se conectan entre sí mediante una innovadora pletina falleba de poliamida.
- Materiales: todos los componentes metálicos están fabricados en zamak y acero inox., que evitan el par galvánico con el aluminio del perfil, y que tienen una resistencia a la corrosión de más de 240 horas en cámara de niebla salina (UNE-EN 1670).
- Elementos de marco automontables: se fijan mediante tornillos espárrago.

The STAC16 hardware is based on the philosophy of the PVC hardware but maintains certain characteristics from the Euro Groove hardware:

From the PVC hardware:

- Frontal assembly: reduces the assembly times and offers the possibility of assembling the hardware manually, on assembly beds, or can be assembled completely automatically.

From the Eurogroove the following has been maintained:

- Modularity: The components are always the same, independently from the sash size and type of opening which translates in to an important reduction of stock references to be held in a warehouse. They are connected with each other by way of an innovative polyamide operating rod.
- Materials: All the metallic components are manufactured in zamak and stainless steel that resists galvanic coupling with the aluminium profile and they have a corrosion resistance of more than 240 hours tested in a saline mist chamber (UNE-EN1670).
- Frame self assembly parts: They are fixed using stud screws.

## TIPOLOGÍA DE PERFILES DE CANAL 16 para el herraje STAC16:

En la imagen podemos ver la definición a nivel de cotas, en ella se puede observar lo siguiente:

- Canal de marco: marco estándar Canal Europeo 18/14.
- Canal de hoja: el herraje STAC16 está diseñado para adaptarse a los dos tipos de canal de 16 mm usados por los sistemas de PVC: con pestañas y sin pestañas. Se dispone de falleba específica para canal 16 con pestañas
- Enfrentamiento Marco/Hoja, Cámara y Ala: STAC16 es apto para perfiles con enfrentamiento marco/hoja de 13 mm, cámara de 12 mm y hoja con ala de hasta 20 mm.

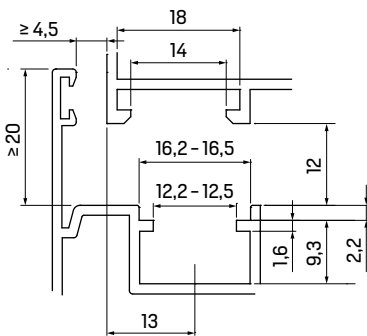
El peso máximo que soporta es de 120 kg. Consultar el catálogo técnico de STAC16 para obtener toda la información de montaje y configuraciones disponibles.

## 16 GROOVE PROFILE TYPES for the STAC16 hardware:

In the picture we can see the definition in numbers and in it we can see the following:

- Frame groove: Standard frame Eurogroove 18/14
- Sash groove: the STAC16 hardware is designed to adapt to the two types of 16 mm groove used in PVC systems: with flanges and without, so that they have specific operating rods.
- Frame/Sash face to face, Chamber and profile flange: STAC16 is suitable for face to face 13 mm profiles, 12 mm chamber and sash with a profile flange of up to 20 mm.

The maximum supported weight is 120 kg Please consult the STAC16 technical catalogue to obtain all the assembly information and available configurations.



**CANAL DE HOJA CON PESTAÑAS**  
SASH GROOVE WITH FLANGES



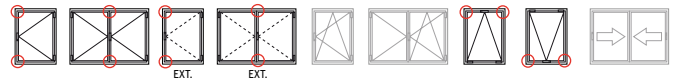
**FALLEBA C16 ROD**  
REF. 059234

## STAC16 WINDOWS AND HARDWARE CHARACTERISTICS:

- Front fixing using DIN 7504P 3.9/3.5 x 25 self-tapping screws.
- 12 mm chamber: greater adjustment possibilities, cutting error absorption, locking point interference.
- 8 mm overlap. Improved weather tightness.
- Possibility of automating for hardware fitting. Quicker assembly.
- Mixed Aluminium/PVC carpentry: one unique sash hardware, stock reduction.
- Ambidextrous hardware: the components do not have a right or left hand or are pre-assembled to the right and can easily be changed to the left.
- Clipping system: all the sash components are incorporated with a groove clipping system that allows us to quickly fit all the hardware so that all the component parts can be screwed in one easy step. This important reduction in assembly time translates in to a drastic reduction in costs.
- Smoothness of operation: the locking points that are incorporated in the part components have giratory bushings that make sash locking much smoother.
- Three dimensional adjustments.
- Positioning: All the components are positioned in the casement manouvere and are unblocked by activating the cremone the first time.
- An ample range of finishes: Powder coated white and black, stainless chromed, bright and matt gold chromed, stainless PVD and gold PVD. Also any RAL powder coated colour.
- A multitude of accessories such as: microventilation, supplementary friction stays and limiting friction stays, retainer clip,...
- Possibility of using the STAC: TFS-02 C16, TFS-05 & TFS-06 operating rod punch and croppers to cut rods and fit multiple locking points using rivets, the same as in the Eurogroove.

## VENTAJAS Y CARACTERÍSTICAS DEL HERRAJE STAC16:

- Fijación frontal, mediante tornillos roscachapa DIN 7504P 3,9/3,5 x 25.
- Cámara de 12 mm: mayor posibilidad de regulación, absorción de errores de corte, interferencia en puntos de cierre.
- Remonte 8 mm. Mayor estanqueidad.
- Posibilidad de automatización para la colocación herraje. Rapidez de montaje.
- Carpinterías mixtas Aluminio/PVC: un único herraje de hoja, reducción de stocks.
- Herraje ambidiestro: los componentes no tienen mano o van premontados a derechas pudiendo ser cambiados a izquierdas fácilmente.
- Sistema de clipaje: todos los componentes de la hoja incorporan un sistema de clipaje al canal que nos permite colocar rápidamente todo el herraje para posteriormente atornillar todos los componentes en un solo paso. Esta importante reducción en los tiempos de montaje se traduce en una drástica reducción de los costes.
- Suavidad de funcionamiento: los puntos de cierre incorporados en los componentes llevan unos casquillos giratorios que hacen más suave la maniobra de cierre de la hoja.
- Regulaciones en las tres dimensiones.
- Posicionado: Todos los componentes están posicionados en la maniobra de practicable y se desbloquearán al accionar por primera vez la cremona.
- Amplia gama de acabados: lacados blanco y negro, cromado inox, cromados oro brillo y oro mate, PVD inox y PVD oro. También cualquier color de la carta RAL.
- Multitud de accesorios como: microventilación, compás suplementario y compás limitador, clip retenedor, etc.
- Posibilidad de utilizar las máquinas troqueladoras de fallebas STAC: TFS-02 C16, TFS-05 y TFS-06 para cortar las pletinas y colocar múltiples puntos de cierre mediante remaches, al igual que en Canal Europeo.



KIT CIERRE AL INVERSOR CON 2 PUNTEROS  
LOCKING TO INVERTER KIT WITH 2 POINTERS

17K1HCI



Zm INX

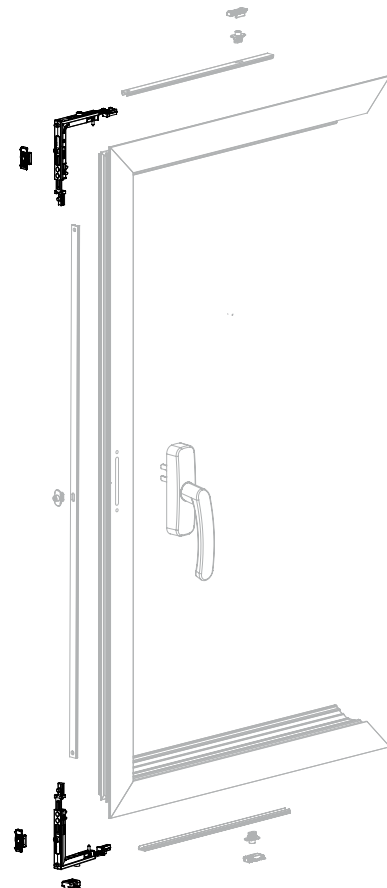
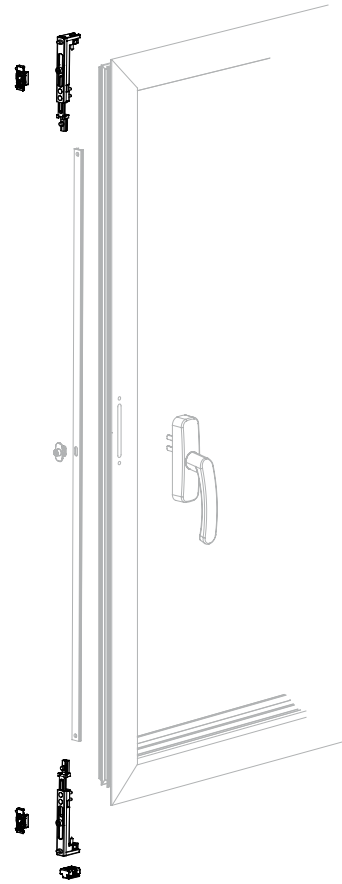


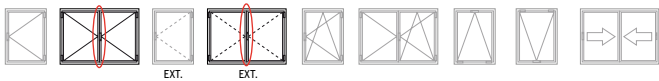
KIT CIERRE AL MARCO CON 2 ÁNG. DE REENVÍO  
LOCKING TO FRAME KIT WITH 2 RETURN ANGLES

17K1HCM



Zm INX





KITS PARA PRACTICABLE 2 HOJAS STAC16  
COMBINATIONS FOR DOUBLE SASH STAC16 CASEMENT

KIT CIERRE AL INVERSOR CON 2 PUNTEROS  
LOCKING TO INVERTER KIT WITH 2 POINTERS



ZM INX

17K2HCI



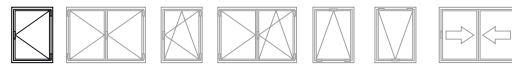
KIT CIERRE AL MARCO CON 2 ÁNG. DE REENVÍO  
LOCKING TO FRAME KIT WITH 2 RETURN ANGLES



ZM INX

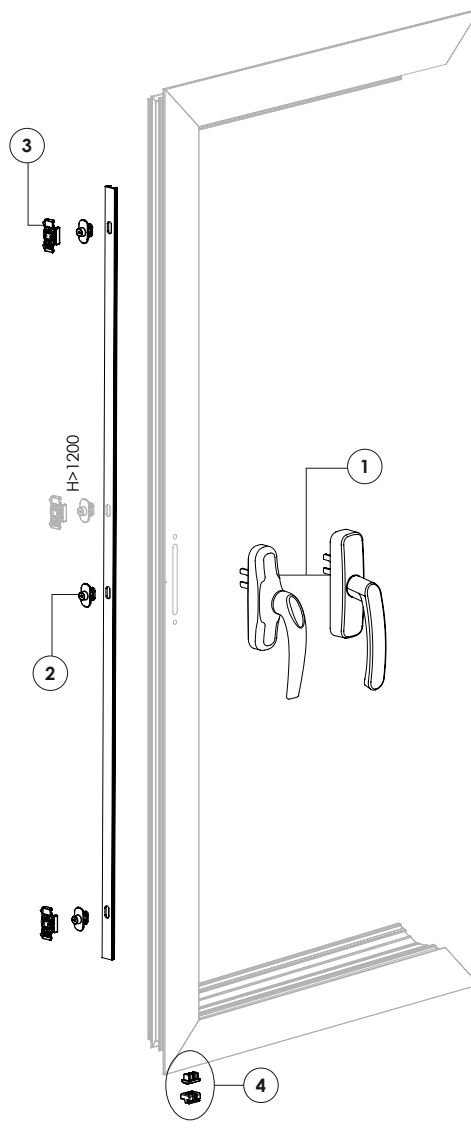
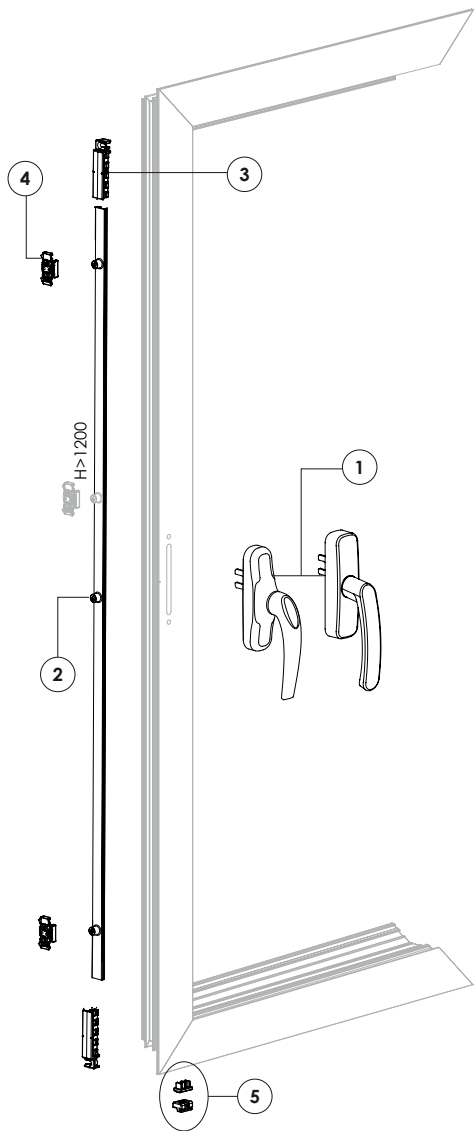
17K2HCM









Diferentes posibles configuraciones de aperturas practicable para canal de 16 mm.  
 Different possible configurations for casement openings that have a 16 mm groove.




CIERRE AL INVERSOR CON REMACHE O PTO. DE CIERRE COLISO  
 LOCKING TO INVERTER WITH RIVET OR SLOTTED LOCKING POINT

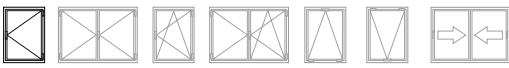


PRACTICABLE CIERRE AL INVERSOR con remaches  
 CASEMENT LOCKING TO INVERTER with rivets

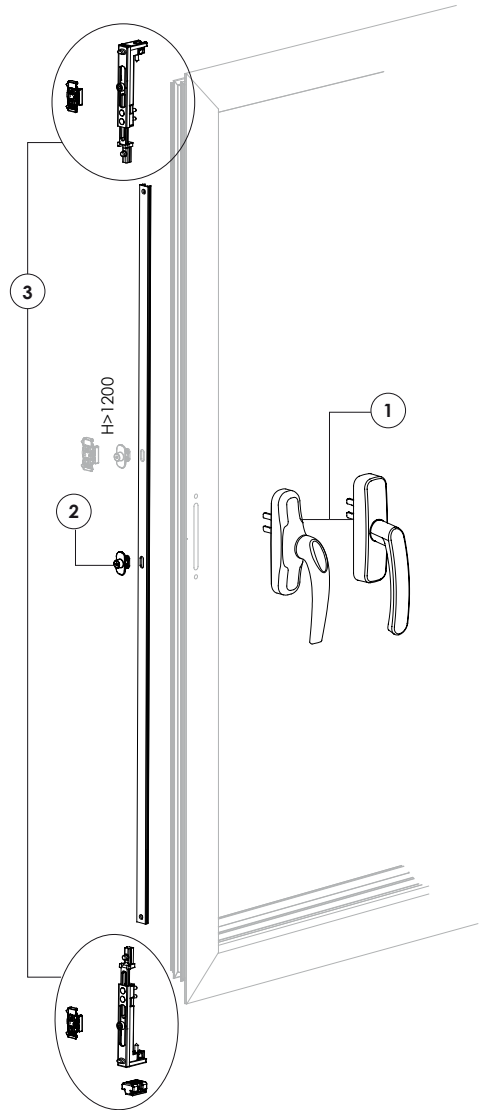
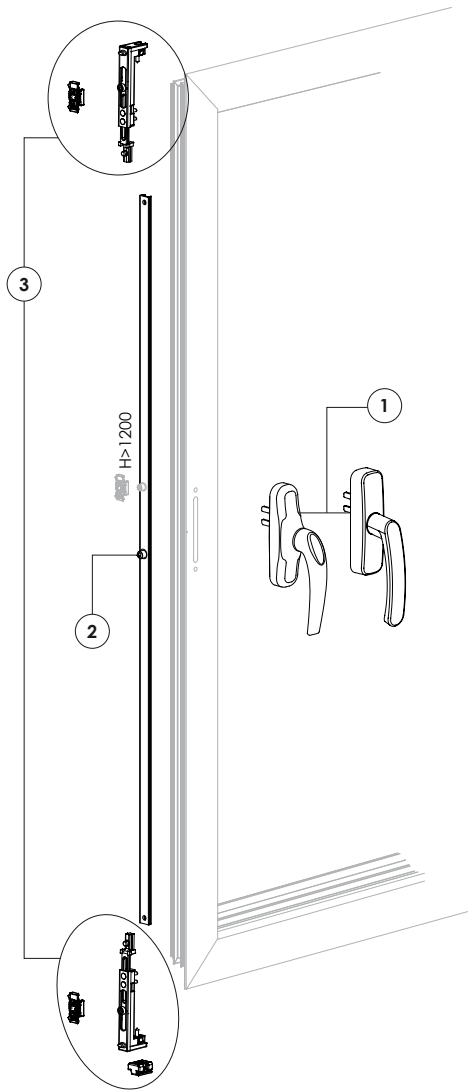
|   |  |  |   |
|---|--|--|---|
| 1 | CREMONA [Ver Sección Cremonas y manillas]<br>CREMONE [ See cremones and handles section] |  |   |
| 2 | <b>0517002</b>   | REMACHE PUNTO DE CIERRE<br>LOCKING POINT RIVET                   |  50<br>CÁNULAS |
| 3 | <b>0517083</b>   | TERMINAL EMBELLECEDOR DE FALLEBA<br>OPERATING ROD TERMINAL COVER |  50            |
| 4 | <b>170200</b>  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT            |  100           |
| 5 | <b>0517226</b>   | CONJUNTO RESBALÓN STAC16<br>STAC16 SLIP KIT                      |  50            |

PRACTICABLE CIERRE AL INVERSOR  
 con puntos de cierre coliso  
 CASEMENT LOCKING TO INVERTER with slotted locking point



|   |  |   |   |
|---|--|---|---|
| 1 | CREMONA [Ver Sección Cremonas y manillas]<br>CREMONE [ See cremones and handles section] |   |   |
| 2 | <b>178000</b>  | PUNTO DE CIERRE COLISO<br>SLOTTED LOCKING POINT       |  100 |
| 3 | <b>170200</b>  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT |  100 |
| 4 | <b>0517226</b>   | CONJUNTO RESBALÓN STAC16<br>STAC16 SLIP KIT           |  50  |





CIERRE AL INVERSOR CON PUNTEROS  
LOCKING TO INVERTER WITH POINTERS

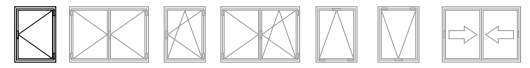


PRACTICABLE CIERRE AL INVERSOR CON DOS PUNTEROS y remache  
CASEMENT LOCKING TO INVERTER WITH TWO POINTERS and rivet

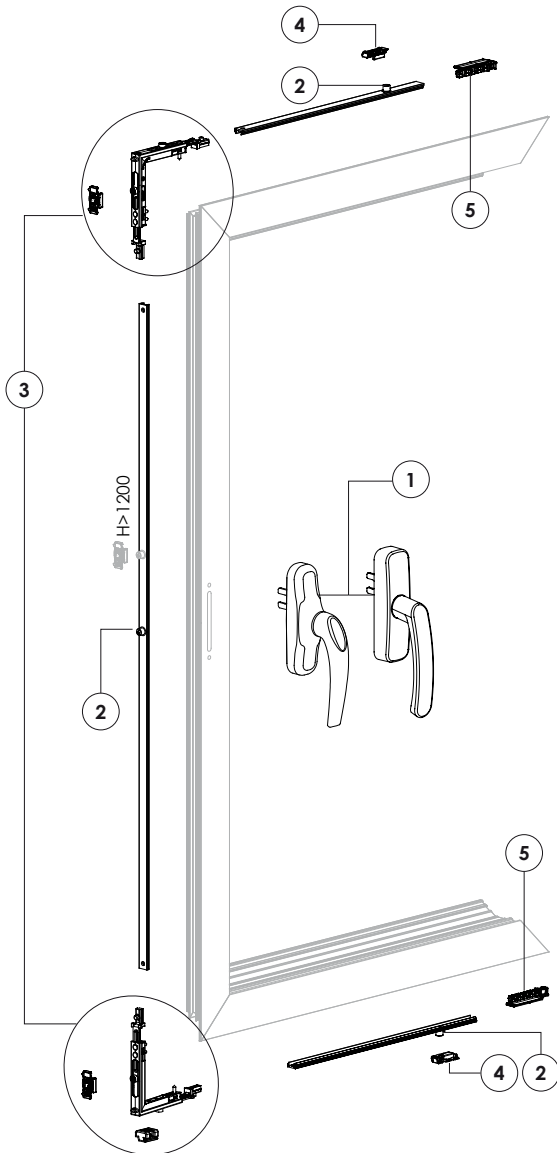
|   |  |   |   |
|---|--|---|---|
| 1 | CREMONA (Ver sección Cremonas y manillas)<br>CREMONE ( See cremones and handles section) |   |   |
| 2 | <b>0517002</b>   | REMACHE PUNTO DE CIERRE<br>LOCKING POINT RIVET        |  |
| 3 | <b>17K1HCI</b>   | PUNTERO STAC16<br>STAC16 POINTER                      |  |
|   |  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT |   |
|   |  | RESBALÓN MARCO<br>FRAME SLIP                          |   |

PRACTICABLE CIERRE AL INVERSOR CON DOS PUNTEROS  
y punto de cierre coliso  
CASEMENT LOCKING TO INVERTER WITH TWO POINTERS  
and slotted locking point





|   |  |   |   |
|---|--|---|---|
| 1 | CREMONA (Ver sección Cremonas y manillas)<br>CREMONE ( See cremones and handles section) |   |   |
| 2 | <b>178000</b>  | PUNTO DE CIERRE COLISO<br>SLOTTED LOCKING POINT       |  |
| 3 | <b>17K1HCI</b>   | PUNTERO STAC16<br>STAC16 POINTER                      |  |
|   |  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT |   |
|   |  | RESBALÓN MARCO<br>FRAME SLIP                          |   |



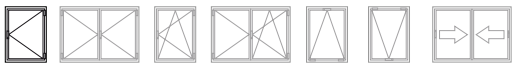
CIERRE AL MARCO CON ÁNGULOS DE REENVÍO  
 LOCKING TO FRAME WITH RETURN ANGLES



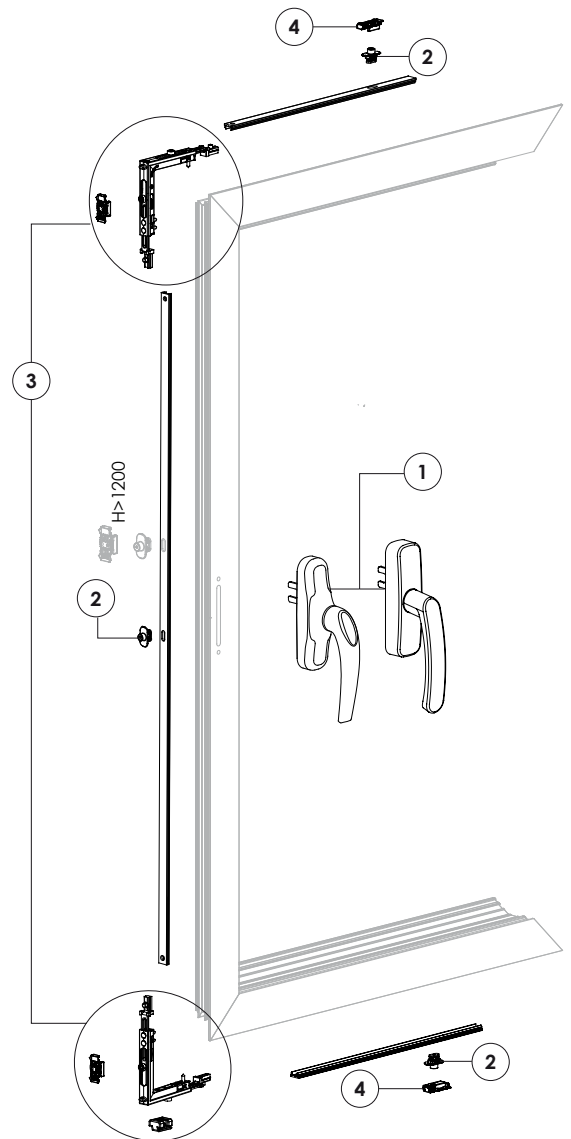
PRACTICABLE CM CON DOS ÁNGULOS DE REENVÍO y remache  
 LOCKING TO FRAME CASEMENT WITH TWO RETURN ANGLES and rivet

|   |  |  |  |
|---|--|--|--|
| 1 | CREMONA (Ver sección Cremonas y manillas)<br>CREMONE [ See cremones and handles section] |  |  |
| 2 | <b>0517002</b>   | REMACHE PUNTO DE CIERRE<br>ADJUSTABLE LOCKING POINT              | <br>50<br>CÁNULAS |
| 3 | <b>17K1HCM</b>   | ÁNG. REENV. STAC16<br>STAC16 RETURN ANGLE                        | <br>1             |
|   |  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT            |  |
|   |  | RESBALÓN MARCO<br>FRAME SLIP                                     |  |
| 4 | <b>170200</b>  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT            | <br>100           |
| 5 | <b>0517083</b>   | TERMINAL EMBELLECEDOR DE FALLEBA<br>OPERATING ROD TERMINAL COVER | <br>50            |



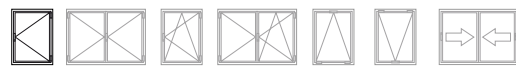


CIERRE AL MARCO CON ÁNGULOS DE REENVÍO  
LOCKING TO FRAME WITH RETURN ANGLES

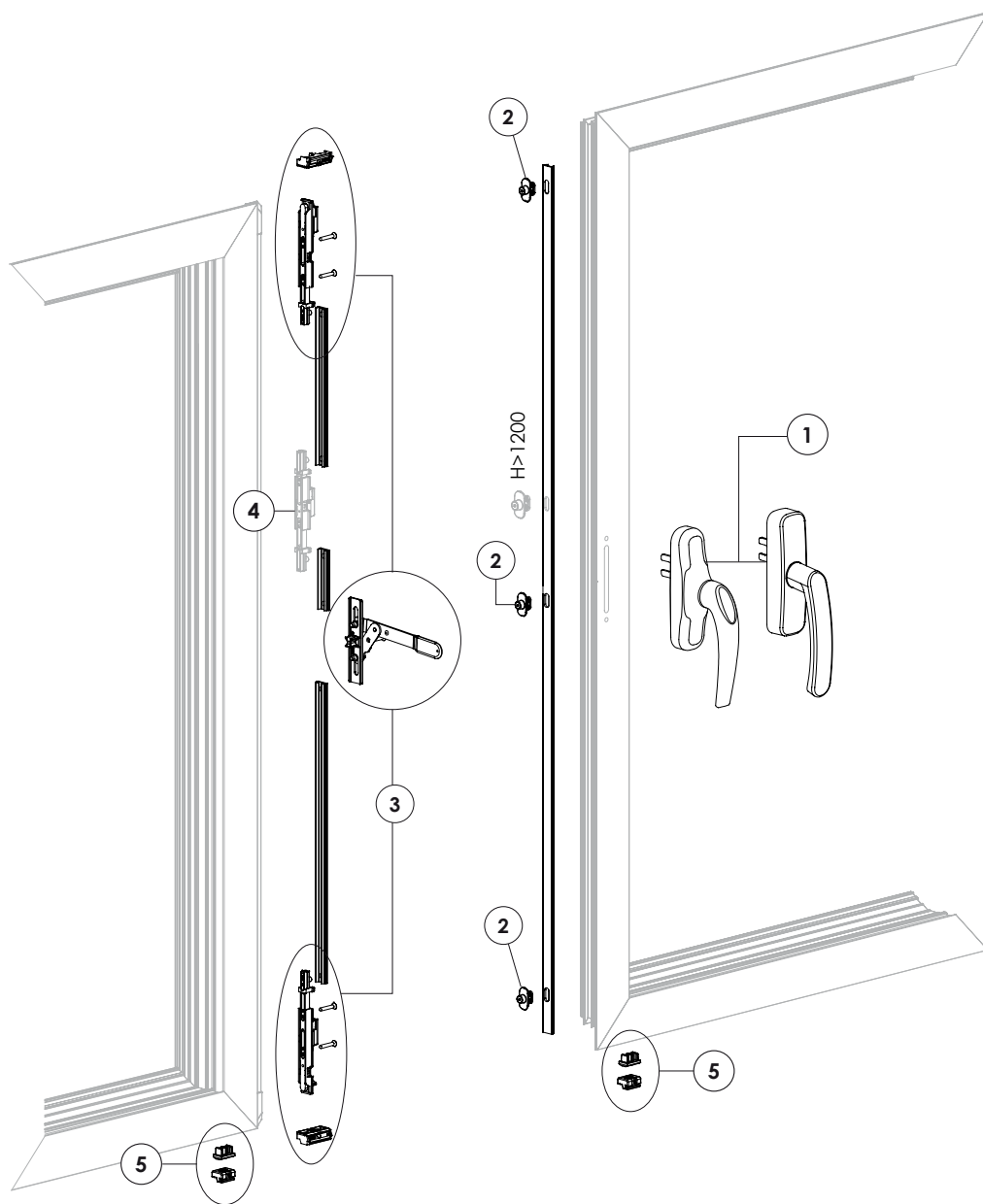


PRACTICABLE CM CON DOS ÁNGULOS DE REENVÍO  
y punto de cierre coliso  
LOCKING TO FRAME CASEMENT WITH TWO RETURN ANGLES  
and slotted locking point.





|   |  |   |  |
|---|--|---|--|
| 1 | CREMONA (Ver sección Cremonas y manillas)<br>CREMONE ( See cremones and handles section) |   |  |
| 2 | <b>178000</b>  | PUNTO DE CIERRE COLISO<br>SLOTTED LOCKING POINT       |  |
| 3 | <b>17K1HCM</b>   | ÁNGULO DE REENVÍO STAC16<br>STAC16 RETURN ANGLE       |  |
|   |  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT |  |
|   |  | RESBALÓN MARCO<br>FRAME SLIP                          |  |
| 4 | <b>170200</b>  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT |  |

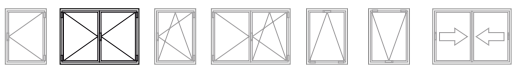


CIERRE AL INVERSOR CON PUNTOS DE CIERRE COLISO  
 LOCKING TO INVERTER WITH SLOTTED LOCKING POINT

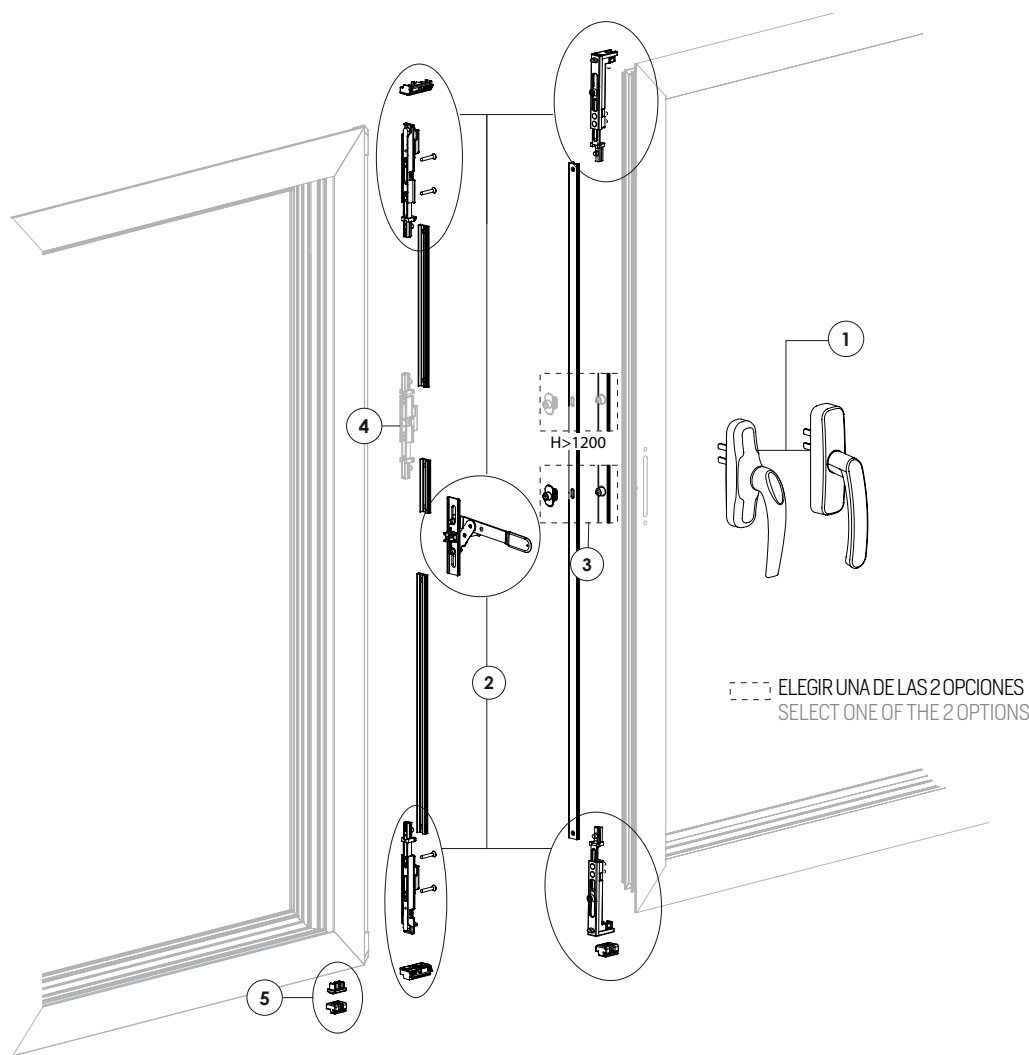


PRACTICABLE 2H CI CON PUNTOS DE CIERRE COLISO  
 DOUBLE SASH LOCKING TO INVERTER CASEMENT with slotted locking point

|   |  |  |   |
|---|--|--|---|
| 1 | CREMONA (Ver sección Cremonas y manillas)<br>CREMONE ( See cremones and handles section) |  |   |
| 2 | <b>178000</b>  | PUNTO DE CIERRE COLISO<br>SLOTTED LOCKING POINT                          |  |
| 3 | <b>171600</b>  | KIT PASADOR DE PALANCA BID. STAC16<br>TWO WAY SHOOTBOLT LEVER STAC16 KIT |  |
| 4 | <b>177000</b>  | CERRADERO INVERSOR<br>INVERTER LOCK                                      |  |
| 5 | <b>0517226</b>   | CONJUNTO RESBALÓN STAC16<br>STAC16 SLIP KIT                              |  |



CIERRE AL INVERSOR CON PUNTEROS  
LOCKING TO INVERTER WITH POINTERS

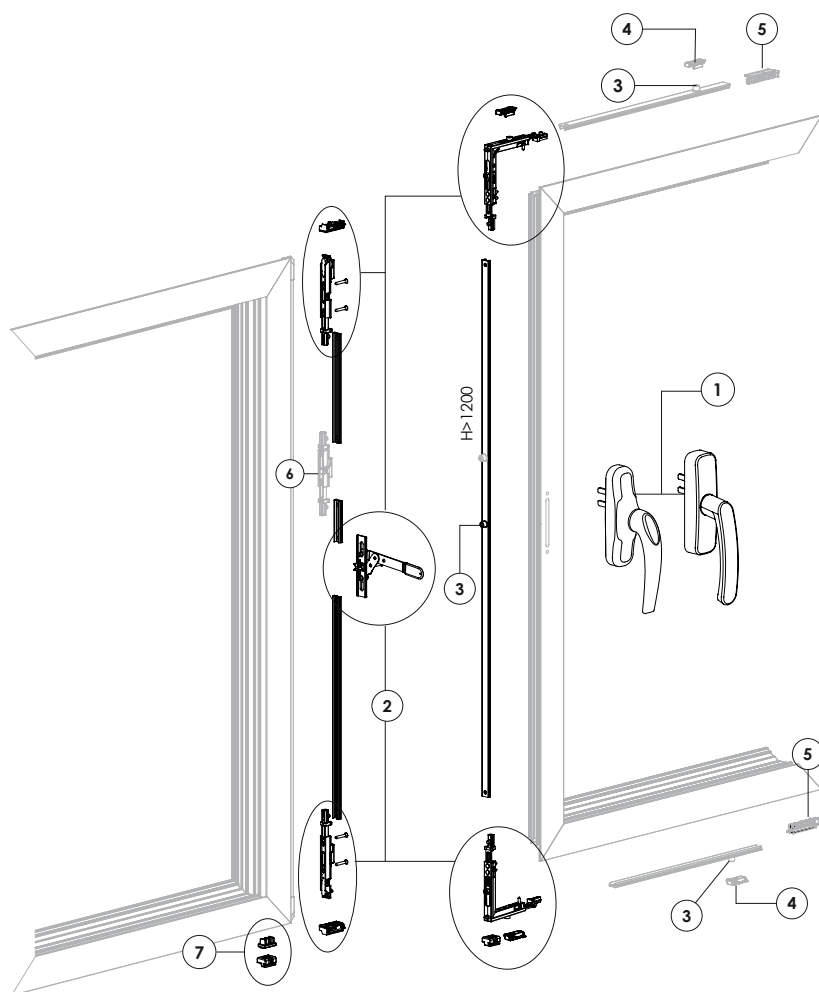


PRACTICABLE 2H CM CON PUNTEROS  
DOUBLE SASH LOCKING TO FRAME CASEMENT WITH POINTERS





|   |  |   |               |
|---|--|---|---------------|
| 1 | CREMONA (Ver sección Cremonas y manillas)<br>CREMONE ( See cremones and handles section) |   |               |
| 2 | 17K2HCI  | PUNTERO STAC16<br>STAC16 POINTER  | 1             |
|   |  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT                             |               |
|   |  | RESBALÓN MARCO<br>FRAME SLIP  |               |
|   |  | KIT PASADOR DE PALANCA BIDIRECCIONAL STAC16<br>TWO WAY SHOOTBOLT LEVER STAC16 KIT |               |
| 3 | 178000   | PUNTO DE CIERRE COLISO<br>SLOTTED LOCKING POINT                                   | 100           |
|   | 0517002  | REMACHE PUNTO DE CIERRE<br>LOCKING POINT RIVET                                    | 50<br>CÁNULAS |
| 4 | 177000   | CERRADERO INVERSOR<br>INVERTER LOCK   | 50            |
| 5 | 0517226  | CONJUNTO RESBALÓN STAC16<br>STAC16 SLIP KIT                                       | 50            |

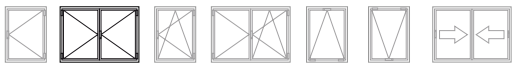


CIERRE AL MARCO CON ÁNGULOS DE REENVÍO  
 LOCKING TO FRAME WITH RETURN ANGLES

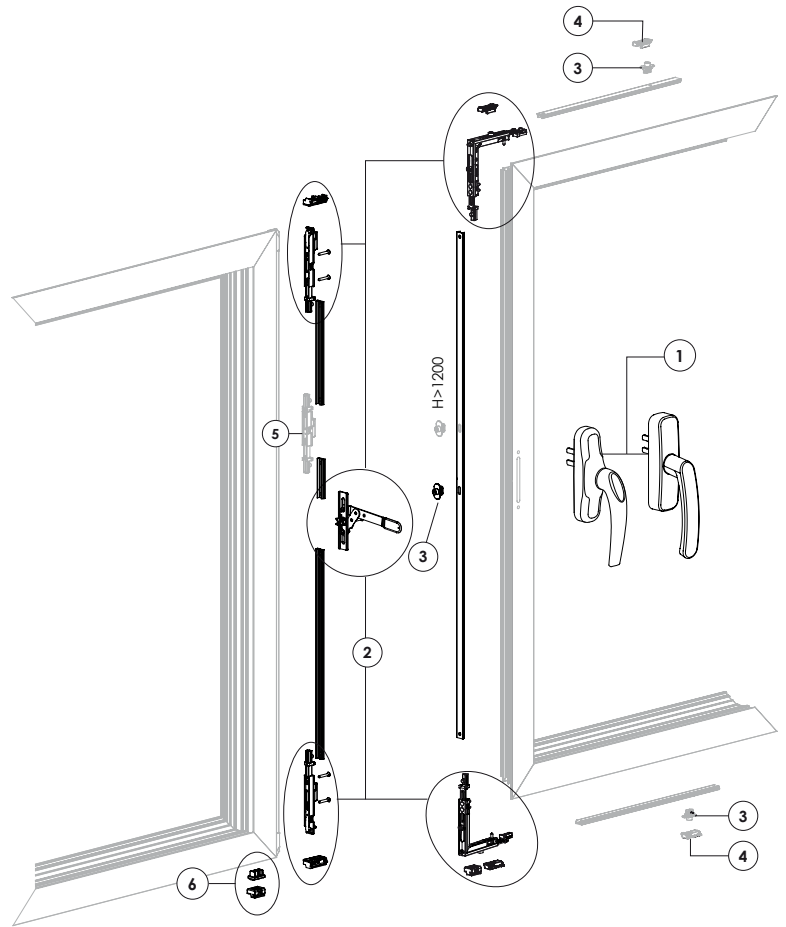


PRACTICABLE 2H CM CON DOS ÁNGULOS DE REENVÍO y remaches  
 DOUBLE SASH LOCKING TO FRAME CASEMENT WITH 2 RETURN ANGLES and rivets

|   |  |  |   |
|---|--|--|---|
| 1 | CREMONA [Ver sección Cremonas y manillas]<br>CREMONE [ See cremones and handles section] |  |   |
| 2 | <b>17K2HCM</b>   | ÁNG. REENV. STAC16<br>STAC 16 RETURN ANGLE                               | <br><b>50</b>            |
|   |  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT                    |   |
|   |  | RESBALÓN MARCO<br>FRAME SLIP   |   |
|   |  | KIT PASADOR DE PALANCA BID. STAC16<br>TWO WAY SHOOTBOLT LEVER STAC16 KIT |   |
| 3 | <b>0517002</b>   | REMACHE PUNTO DE CIERRE<br>LOCKING POINT RIVET                           | <br><b>50</b><br>CÁNULAS |
| 4 | <b>170200</b>  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT                    | <br><b>100</b>           |
| 5 | <b>0517083</b>   | TERMINAL EMBELLECEDOR DE FALLEBA<br>OPERATING ROD TERMINAL COVER         | <br><b>50</b>            |
| 6 | <b>177000</b>  | CERRADERO INVERSOR<br>INVERTER LOCK                                      | <br><b>50</b>            |
| 7 | <b>0517226</b>   | CONJUNTO RESBALÓN STAC16<br>STAC16 SLIP KIT                              | <br><b>50</b>            |



CIERRE AL MARCO CON ÁNGULOS DE REENVÍO  
LOCKING TO FRAME WITH RETURN ANGLES



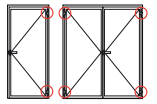
PRACTICABLE 2H CM CON DOS ÁNGULOS DE REENVÍO  
y puntos de cierre coliso

DOUBLE SASH LOCKING TO FRAME CASEMENT WITH TWO RETURN ANGLES  
and slotted locking point

|   |  |   |  |
|---|--|---|--|
| 1 | CREMONA (Ver sección Cremonas y manillas)<br>CREMONE ( See cremones and handles section) |   |  |
| 2 | 17K2HCM  | ÁNGULO DE REENVÍO STAC16<br>STAC16 RETURN ANGLE                                   |  |
|   |  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT                             |  |
|   |  | RESBALÓN MARCO<br>FRAME SLIP  |  |
|   |  | KIT PASADOR DE PALANCA BIDIRECCIONAL STAC16<br>TWO WAY SHOOTBOLT LEVER STAC16 KIT |  |
| 3 | 178000   | PUNTO DE CIERRE COLISO<br>SLOTTED LOCKING POINT                                   |  |
| 4 | 170200   | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT                             |  |
| 5 | 177000   | CERRADERO INVERSOR<br>INVERTER LOCK   |  |
| 6 | 0517226  | CONJUNTO RESBALÓN STAC16<br>STAC16 SLIP KIT                                       |  |

# BISAGRA ACRUX C16

## ACRUX C16 HINGE



# BISAGRA ACRUX C16 2 PALAS

## ACRUX C16 2-LEAF HINGE

|     |   |    |
|-----|---|----|
| 017 | D | ** |
|     | I |    |



Bisagra para perfiles de puerta de Canal 16 mm.

### CARACTERÍSTICAS TÉCNICAS

- Válidas para eje de 13 mm.
- Regulación lateral de hasta  $\pm 1,2$  mm.
- Materiales plásticos anti-desgaste.

#### 2 palas

- Carga máxima con 2 bisagras: 100 kg.
- Carga máxima con 3 bisagras: 120 kg.

#### 3 palas

- Recomendada para aplicaciones más exigentes: alta frecuencia de uso, dimensiones límite, etc.
- Válida tanto para aperturas interiores como exteriores.
- Carga máxima con 2 bisagras: 120 kg.
- Carga máxima con 3 bisagras: 150 kg.

Ver ficha técnica

Hinge for door profiles with 16 mm Groove.

### TECHNICAL CHARACTERISTICS

- Valid for 13 mm axle.
- Lateral adjustment up to  $\pm 1,2$  mm.
- Anti-wear plastic materials.

#### 2-leaf

- Maximum load with 2 hinges: 100 kg.
- Maximum load with 3 hinges: 120 kg.

#### 3-leaf

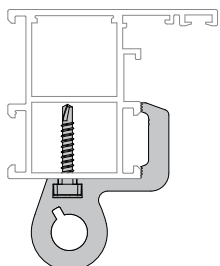
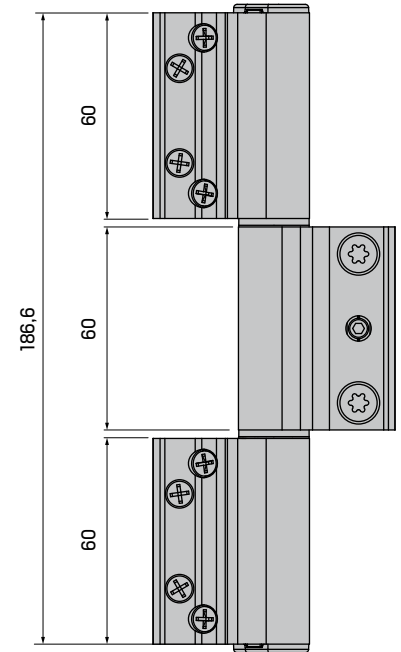
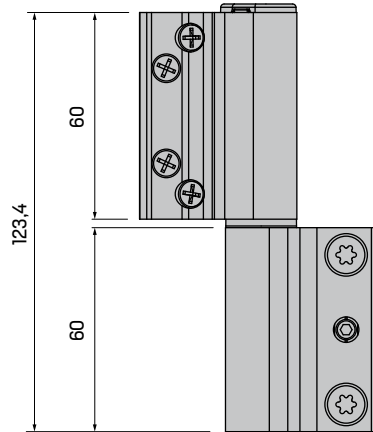
- Recommended for more demanding applications: high frequency of use, limit dimensions, etc.
- Valid for inward and outward openings.
- Maximum load with 2 hinges: 120 kg.
- Maximum load with 3 hinges: 150 kg.

See technical data sheet

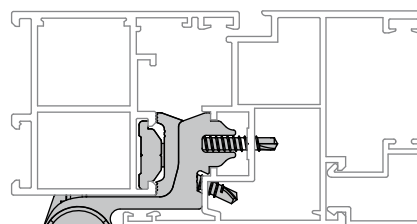
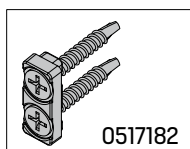
# BISAGRA ACRUX C16 3 PALAS

## ACRUX C16 3-LEAF HINGE

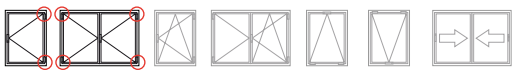
|      |   |    |
|------|---|----|
| P017 | D | ** |
|      | I |    |



PIEZA DE REFUERZO  
REINFORCEMENT PIECE



$-1,2$  mm       $+1,2$  mm



16 mm groove casement doors and windows hinge.

**TECHNICAL CHARACTERISTICS**

- Two body reversible hinge.
- Eccentric bolt that allows tightening and horizontal adjustment of +0.8 mm.
- Maximum load with 2 hinges: 80 kg.

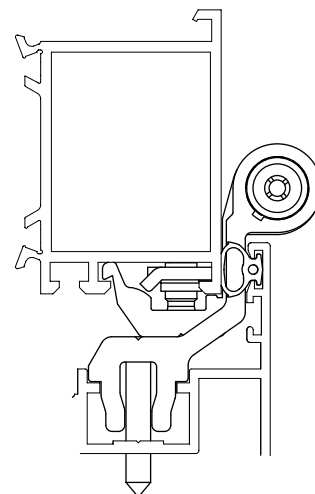
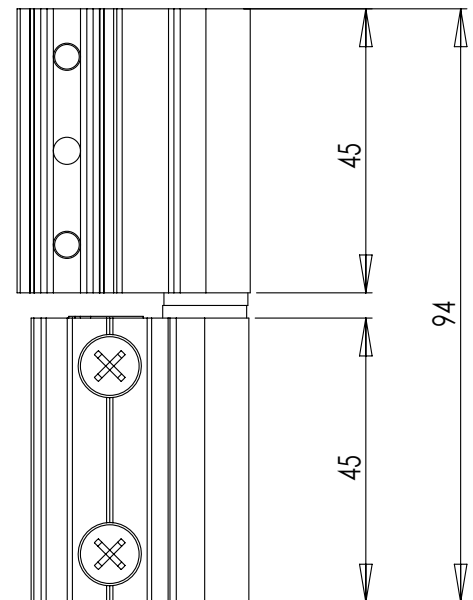
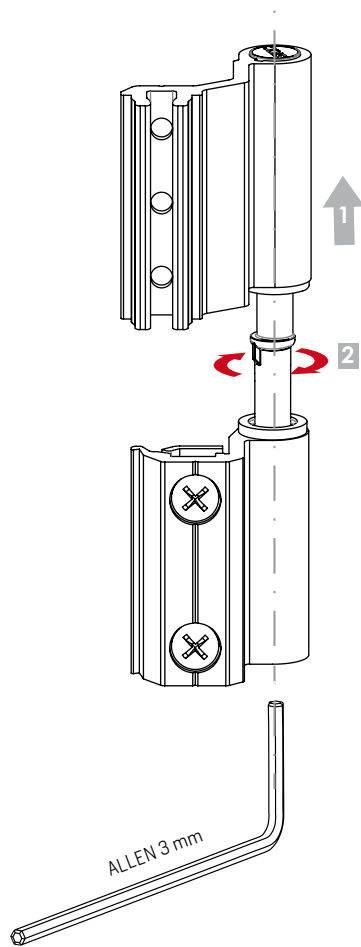
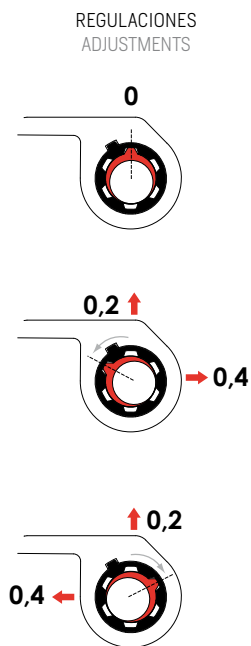
Bisagra para puertas y ventanas practicables de canal de 16 mm.

**CARACTERÍSTICAS TÉCNICAS**

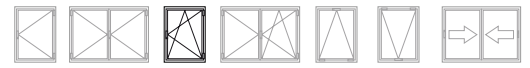
- Bisagra reversible de dos cuerpos.
- Bulón excéntrico que permite regulación de apriete y horizontal de +0.8 mm.
- Carga máxima con 2 bisagras: 80 kg.



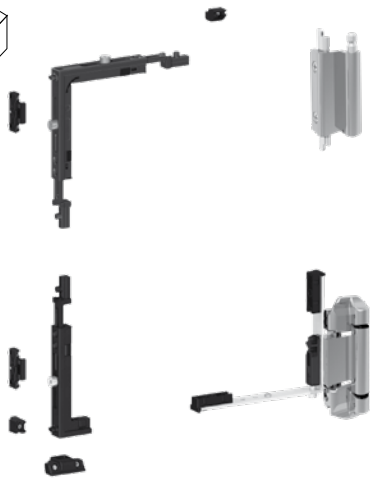
|      |   |    |
|------|---|----|
| 1760 | D | ** |
|      | I |    |



KIT BASE OSCILOBATIENTE STAC16 CIERRE AL INVERSOR SIN CREMONA  
TILT-TURN STAC16 LOCKING TO INVERTER BASE KIT WITHOUT CREMONE



|      |   |    |
|------|---|----|
| 1733 | D | ** |
|      | I |    |



Kits base con bisagras C16 para aperturas oscilobatientes de cierre al inversor.

**CARACTERÍSTICAS TÉCNICAS**

- Carga máxima por hoja: 120 kg.
- Permite regulación en 3 dimensiones.
- Para eje de 13 mm y ala de 20 mm.
- Disponibilidad de compás grande, mediano, pequeño y mini.
- Posibilidad de añadir múltiples puntos de cierre.
- Todos los elementos de la hoja incorporan un clip para pre-posicionado en el montaje.

Ver ficha técnica

Base kits with C16 hinges for tilt & turn locking to inverter openings.

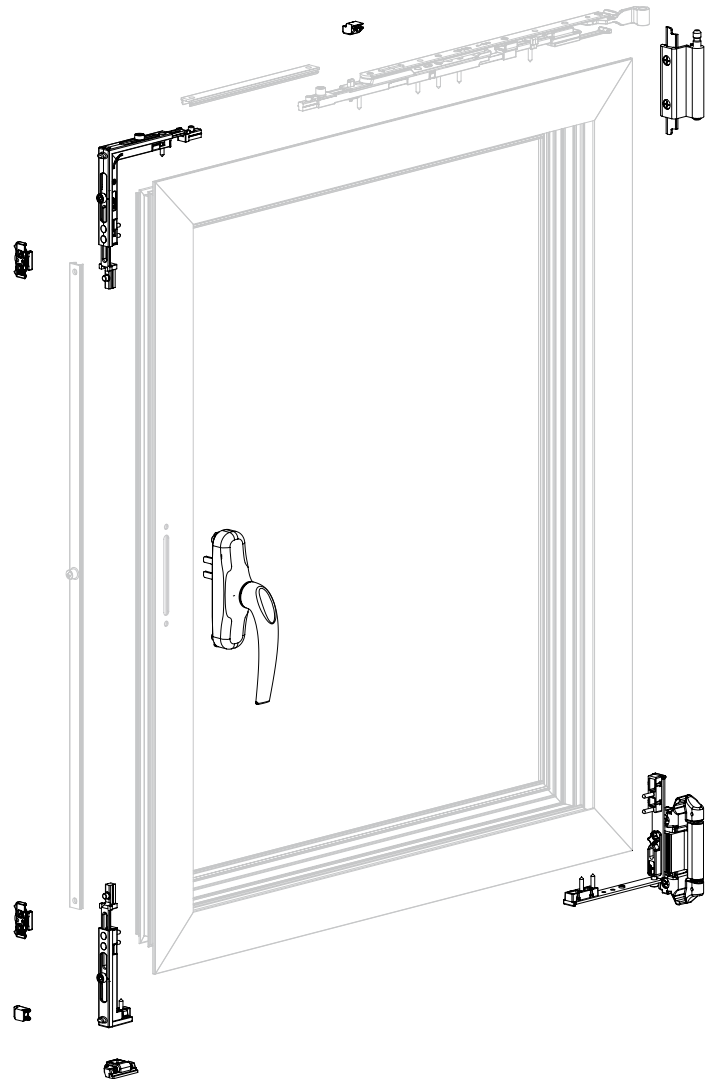
**TECHNICAL CHARACTERISTICS**

- Maximum load per sash: 120 kg.
- Allows adjustment in 3 dimensions.
- For 13 mm axis and 20 mm blade sash.
- Large, medium, small and mini friction stays are available.
- Possibility of fitting multiple locking points.
- All the sash parts are incorporated with a clip for pre-positioning during assembly.

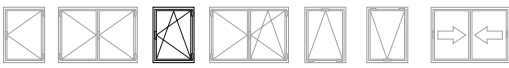
See technical data sheet

KIT BASE OB STAC16 CIERRE AL INVERSOR CREMONA LYRA  
TILT-TURN STAC16 LOCKING TO INVERTER BASE KIT LYRA CREMONE

|      |   |    |
|------|---|----|
| 1718 | D | ** |
|      | I |    |







## KIT BASE OSCIOBATIENTE STAC16 CIERRE AL MARCO SIN CREMONA

TILT-TURN STAC16 LOCKING TO FRAME BASE KIT WITHOUT CREMONE

Base kits with C16 hinges for tilt & turn locking to frame openings.

### TECHNICAL CHARACTERISTICS

- Maximum load per sash: 120 kg.
- Allows adjustment in 3 dimensions.
- For 13 mm axis and 20 mm blade sash.
- Large, medium, small and mini friction stays are available.
- Possibility of fitting multiple locking points.
- All the sash parts are incorporated with a clip for pre-positioning during assembly.

See technical data sheet

Kits base con bisagras C16 para aperturas oscilobatientes de cierre al marco.

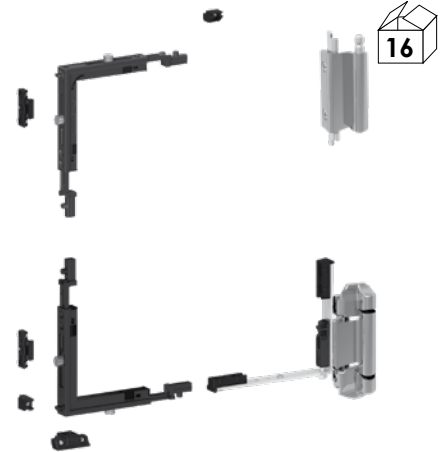
### CARACTERÍSTICAS TÉCNICAS

- Carga máxima por hoja: 120 kg.
- Permite regulación en 3 dimensiones.
- Para eje de 13 mm y ala de 20 mm.
- Disponibilidad de compás grande, mediano, pequeño y mini.
- Posibilidad de añadir múltiples puntos de cierre.
- Todos los elementos de la hoja incorporan un clip para pre-posicionado en el montaje.

Ver ficha técnica



171010 D I \*\*



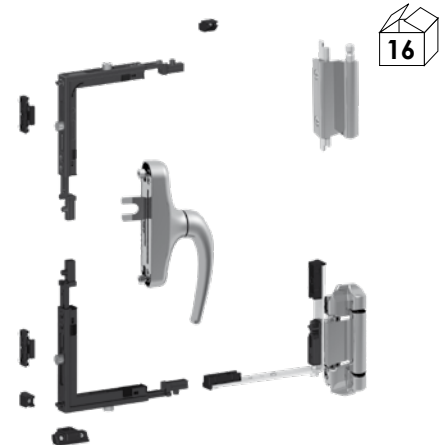
16

## KIT BASE OB STAC16 CIERRE AL MARCO CREMONA LYRA

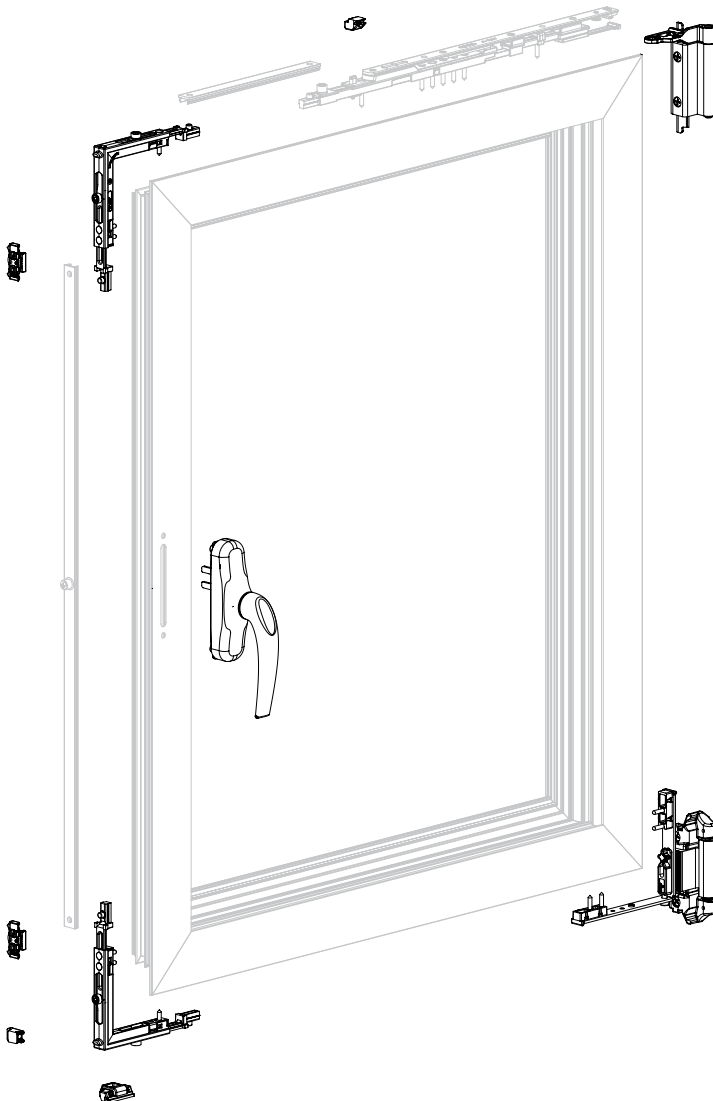
TILT-TURN STAC16 LOCKING TO FRAME BASE KIT LYRA CREMONE

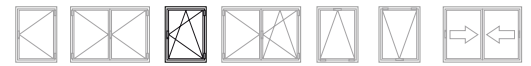


1732 D I \*\*



16





CIERRE AL MARCO SIN CREMONA  
LOCKING TO FRAME WITHOUT CREMONE

|       |   |    |
|-------|---|----|
| P1739 | D | ** |
|       | I |    |



Kit base con bisagras C16 para aperturas oscilobatientes.

**CARACTERÍSTICAS TÉCNICAS**

- Carga máxima por hoja: 120 kg.
- Permite regulación en 3 dimensiones.
- Posibilidad de acoplar múltiples puntos de cierre.
- Los elementos de hoja incorporan un clip para pre-posicionado en el montaje.

**MANIOBRA LÓGICA**

- La manilla de una ventana con maniobra lógica dispone de 3 posiciones: posición cerrada (manilla 0°), posición de oscilo (manilla 90°), posición de practicable (manilla 180°).
- Kit idóneo para su uso con las cremonas Lyra Block o Sirius Block, ya que proporcionan dos posiciones de bloqueo que permiten oscilar pero no abrir.

Base kit with C16 hinges for tilt & turn openings.

**TECHNICAL CHARACTERISTICS**

- Maximum load per sash: 120 kg.
- Allows adjustment in 3 dimensions.
- Possibility of fitting multiple locking points.
- The sash elements incorporate a clip for pre-positioning in the assembly.

**TILT-BEFORE-TURN**

- The handle of a tilt-before-turn window can be placed in three positions: closed position (handle 0°), tilt position (handle 90°), casement position (handle 180°).
- Kit suitable for use with Lyra Block or Sirius Block cremones, providing two locking positions that allow oscillation but not opening.

CIERRE AL MARCO CON CREMONA LYRA  
LOCKING TO FRAME WITH LYRA CREMONE

|       |   |    |
|-------|---|----|
| P1732 | D | ** |
|       | I |    |



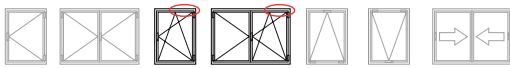
Compases de maniobra lógica no incluidos.  
Consulte compases compatibles en pág. 137

Tilt-before-turn friction stays not included.  
See compatible friction stays on page 137

MANIOBRA LÓGICA SIN CREMONA  
TILT-BEFORE-TURN WITHOUT CREMONE

|       |   |    |
|-------|---|----|
| P1723 | D | ** |
|       | I |    |





The frictions stays allow to make tilt & turn openings in combination with the different mechanisms.

### TECHNICAL CHARACTERISTICS

- Four sizes are available: large, medium small and mini.
- They have a mechanism for regulating the opening of the sash in a tilt & turn position. See table below.
- They have a stop for positioning on the sash.

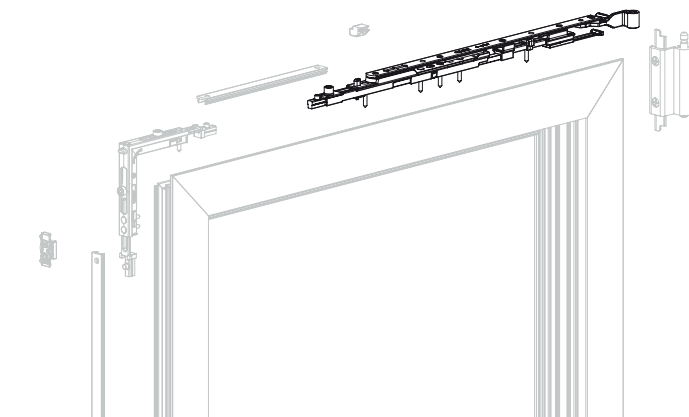
Los compases permiten realizar aperturas oscilobatientes en combinación con los diferentes mecanismos.

### CARACTERÍSTICAS TÉCNICAS

- Disponibles cuatro tamaños: grande, mediano pequeño y mini.
- Mecanismo para la regulación de apertura de la hoja en posición oscilobatiente. Ver tabla inferior.
- Disponen de un tope para posicionado en la hoja.



AL ZM  
PA INX



### MEDIDAS DE HOJAS SEGÚN COMPÁS:

SASH MEASUREMENTS ACCORDING TO FRICTION STAY:

| ARTÍCULO<br>ARTICLE |                   | LONG. MÍN.<br>MIN. LENGHT | LONG. MÁX.<br>MAX. LENGHT | ALT. MÍN.<br>MIN. HEIGHT | ALT. MÁX.<br>MAX. LENGHT |
|---------------------|-------------------|---------------------------|---------------------------|--------------------------|--------------------------|
| <b>170301D/I**</b>  | GRANDE<br>LARGE   | 582                       | 1600                      | 390                      | 2400                     |
| <b>170304D/I**</b>  | MEDIANO<br>MEDIUM | 498                       | 1200                      | 390                      | 2400                     |
| <b>170302D/I**</b>  | PEQUEÑO<br>SMALL  | 405                       | 800                       | 390                      | 2400                     |
| <b>170307D/I**</b>  | MINI              | 370                       | 445                       | 430                      | 1200                     |

### APERTURA DE LA HOJA SEGÚN COMPÁS Y POSICIÓN DE REGULACIÓN:

SASH OPENING DEPENDING ON FRICTION STAY AND REGULATION POSITION:

| ARTÍCULO<br>ARTICLE |                   | POSICIÓN 1<br>POSITION 1 | POSICIÓN 2<br>POSITION 2 | POSICIÓN 3<br>POSITION 3 |
|---------------------|-------------------|--------------------------|--------------------------|--------------------------|
| <b>170301D/I**</b>  | GRANDE<br>LARGE   | 191                      | 155                      | 101                      |
| <b>170304D/I**</b>  | MEDIANO<br>MEDIUM | 168                      | 112                      | -                        |
| <b>170302D/I**</b>  | PEQUEÑO<br>SMALL  | 130                      | 85                       | -                        |
| <b>170307D/I**</b>  | MINI              | 130                      | 85                       | -                        |

|               |   |    |  |  |
|---------------|---|----|--|--|
| <b>170301</b> | D | ** | COMPÁS GRANDE<br>LARGE FRICTION STAY   |  |
|               | I |    |  |  |
| <b>170302</b> | D | ** | COMPÁS MEDIANO<br>MEDIUM FRICTION STAY |  |
|               | I |    |  |  |
| <b>170303</b> | D | ** | COMPÁS PEQUEÑO<br>SMALL FRICTION STAY  |  |
|               | I |    |  |  |
| <b>170306</b> | D | ** | COMPÁS MINI<br>MINI FRICTION STAY      |  |
|               | I |    |  |  |

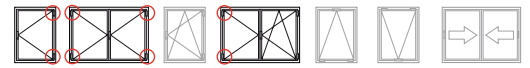
### COMPASES OB STAC16 MANIOBRA LÓGICA TILT-BEFORE-TURN STAC16 FRICTION STAY



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PA INX



|               |   |    |   |  |
|---------------|---|----|---|--|
| <b>170304</b> | D | ** | COMPÁS GRANDE ML<br>LARGE FRICTION STAY<br>TILT-BEFORE-TURN   |  |
|               | I |    |   |  |
| <b>170305</b> | D | ** | COMPÁS MEDIANO ML<br>MEDIUM FRICTION STAY<br>TILT-BEFORE-TURN |  |
|               | I |    |   |  |
| <b>170307</b> | D | ** | COMPÁS PEQUEÑO ML<br>SMALL FRICTION STAY<br>TILT-BEFORE-TURN  |  |
|               | I |    |   |  |



|      |   |    |
|------|---|----|
| 1714 | D | ** |
|      | I |    |



Bisagras regulables para hoja pasiva de ventanas oscilobatientes.

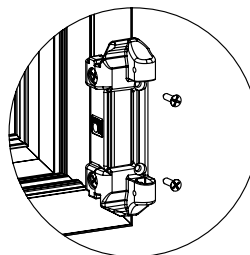
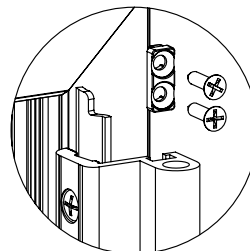
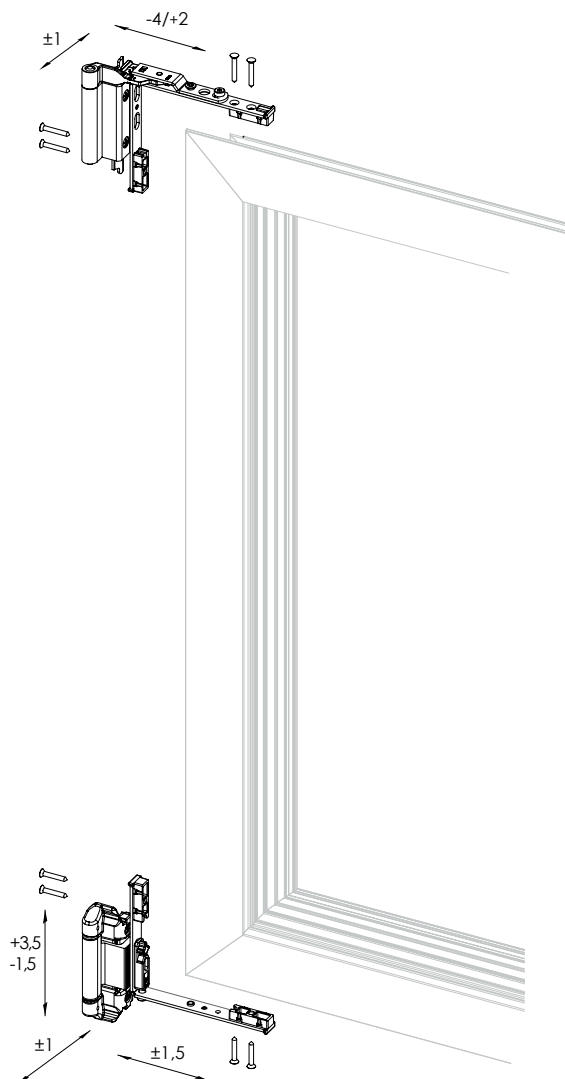
### CARACTERÍSTICAS TÉCNICAS

- Mismas regulaciones que en la hoja activa.
- Bisagras reversibles intercambiables de izquierdas a derechas.
- Se pueden montar en ventanas de apertura practicable tanto en hoja activa como pasiva para tener las mismas regulaciones que en oscilo.

Adjustable hinges for passive sash of tilt & turn windows.

### TECHNICAL CHARACTERISTICS

- Same regulations as in the active sash.
- Easily interchangeable reversible hinges from left to right.
- They can be mounted in windows of casement opening both in active and passive sash to have the same adjustments that in tilt & turn.

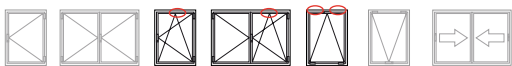


#### Nota para todos los casos de oscilobatiente:

Atornillar pala marco siempre.  
Colocar la pieza de refuerzo en la bisagra superior para:  
L > 1000 mm  
H > 1800 mm

#### Note for all tilt-turn cases:

Always screw the frame flag pin.  
Fit the re-inforcement part in the top hinge for:  
L > 1000 mm  
H > 1800 mm



Optional supplementary friction stay and recommended for wide tilt & turn windows.

### TECHNICAL CHARACTERISTICS

- Friction stay recommended for tilt & turn windows with more than 1200 mm sash width.
- It acts as a re-inforcement to the main friction stay by reducing stress and vibrations when the window is in tilt position.
- It is supplied pre-assembled, allowing a fast fitting.
- Valid for bottom-hung window configurations with perimetral closing.

Compás suplementario opcional y recomendado para ventanas oscilobatientes de gran anchura.

### CARACTERÍSTICAS TÉCNICAS

- Compás recomendado para ventanas oscilobatientes con más de 1200 mm de ancho de hoja.
- Actúa como refuerzo al compás principal reduciendo los esfuerzos y vibraciones en el mismo cuando la ventana está en posición de oscilo.
- Se suministra premontado, permitiendo un montaje rápido.
- Válido para configuraciones de ventanas abatibles con cierre perimetral.



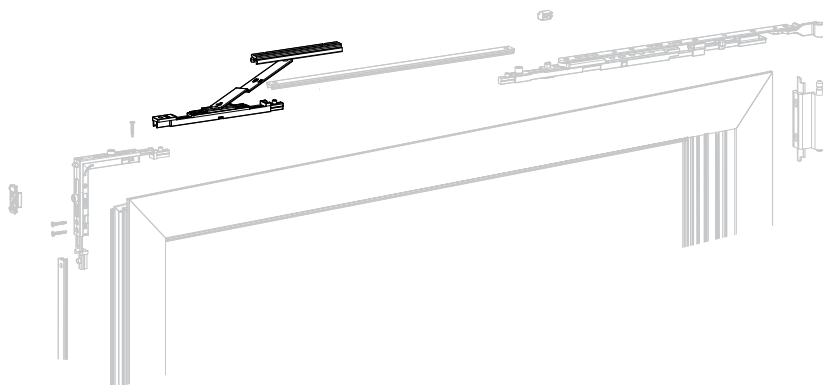
ZM AL

INX

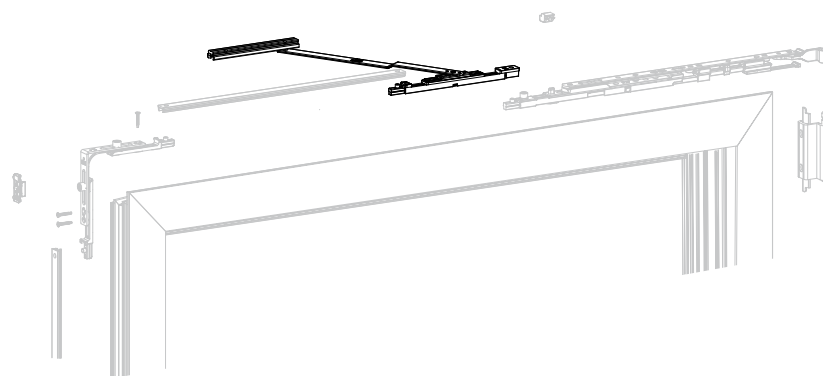
130400



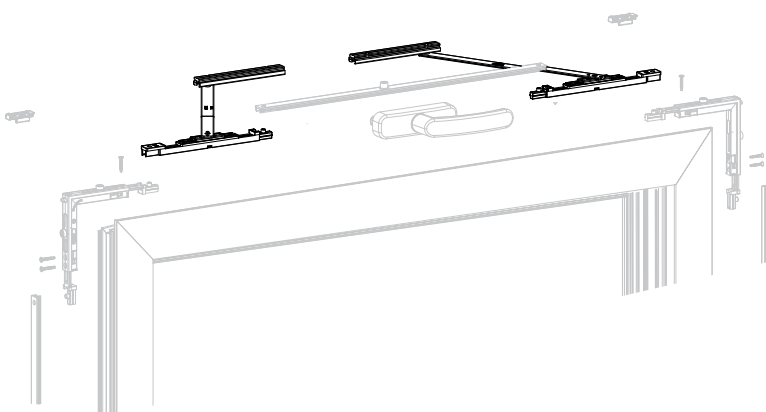
COMPÁS SUPLEMENTARIO PARA  
MANIOBRA TRADICIONAL  
TILT-TURN SUPPLEMENTARY  
FRICTION STAY

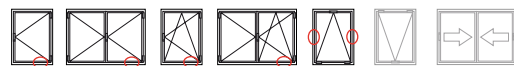


COMPÁS SUPLEMENTARIO PARA  
MANIOBRA LÓGICA  
TILT-BEFORE-TURN  
SUPPLEMENTARY FRICTION STAY



COMPÁS SUPLEMENTARIO EN  
ABATIBLE.  
SUPPLEMENTARY FRICTION  
STAY FOR FOLDING WINDOWS





130500



ZM AL

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Compás para limitar la apertura en ventanas abatibles, practicables y oscilobatientes.

A friction stay that restricts openings in folding, casement and tilt-turn windows.

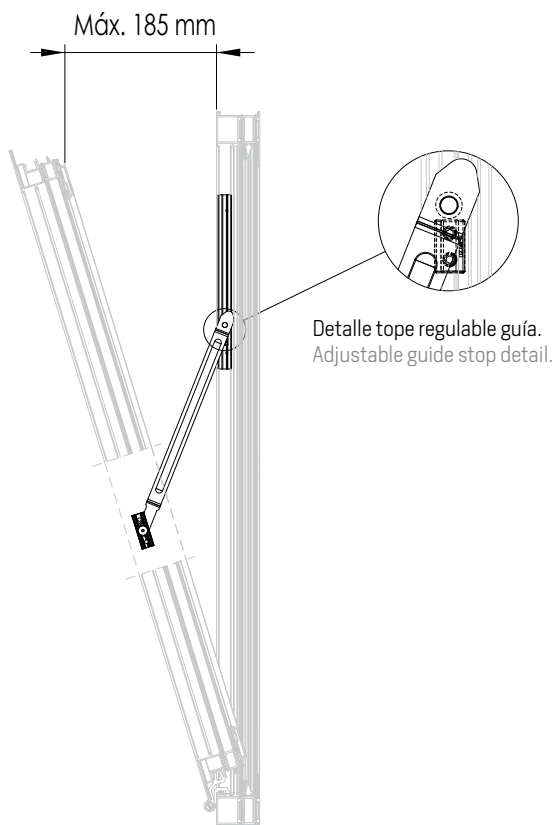
**TECHNICAL CHARACTERISTICS:**

**CARACTERÍSTICAS TÉCNICAS:**

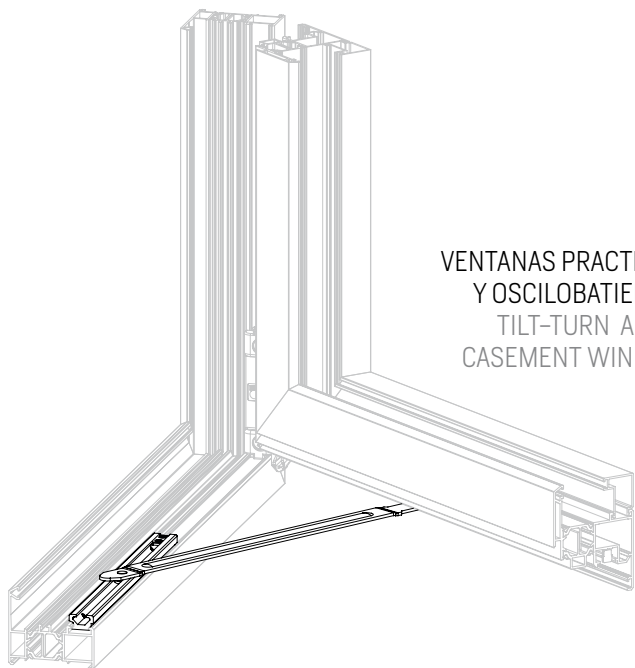
- La guía dispone de tope regulable permitiendo una mayor o menor apertura de hoja.
- Todas las piezas de zamak están tratadas para garantizar resistencia a la corrosión de más de 250 horas de cámara de niebla salina.

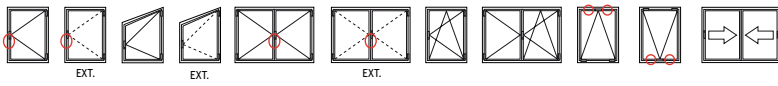
- The guide has an adjustable stop allowing a greater or lesser sash opening.
- All of the zamak pieces are treated in order to guarantee resistance to corrosion having been subjected to 250 hours in a saline mist chamber.

VENTANAS ABATIBLES  
FOLDING WINDOWS



VENTANAS PRACTICABLES  
Y OSCIOBATIENTES  
TILT-TURN AND  
CASEMENT WINDOWS





New STAC system of retaining friction stays which allows set ventilation positions for casement opening windows.

**TECHNICAL CHARACTERISTICS:**

- Fast assembly. Pre-mount directly to sash and frame.
- Easy adjustment of ventilation opening.
- Stable ventilation position with retaining spring .
- Additional fixing possible with self-tapping screw.
- Multiple mounting options. See technical sheet.
- Possibility of opening restricted use.

Nuevo sistema STAC de compás limitador que permite hacer posiciones estables de ventilación en aperturas practicable.

**CARACTERÍSTICAS TÉCNICAS:**

- Rapidez de montaje. Pre-montaje directo en hoja y marco.
- Fácil regulación de la apertura de ventilación.
- Posición de ventilación estable mediante resorte de retención.
- Posibilidad de fijación adicional por tornillos rosca-chapa.
- Múltiples posibilidades de montaje. Ver ficha técnica.
- Posibilidad de apertura de uso restringido.



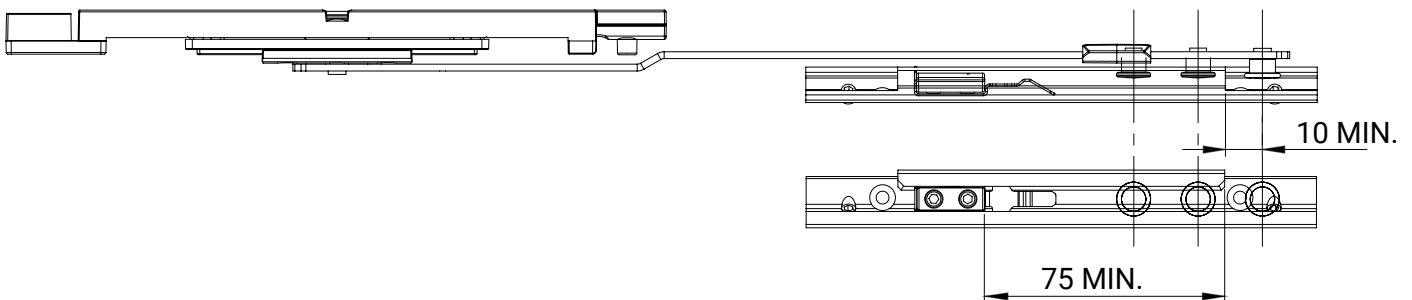
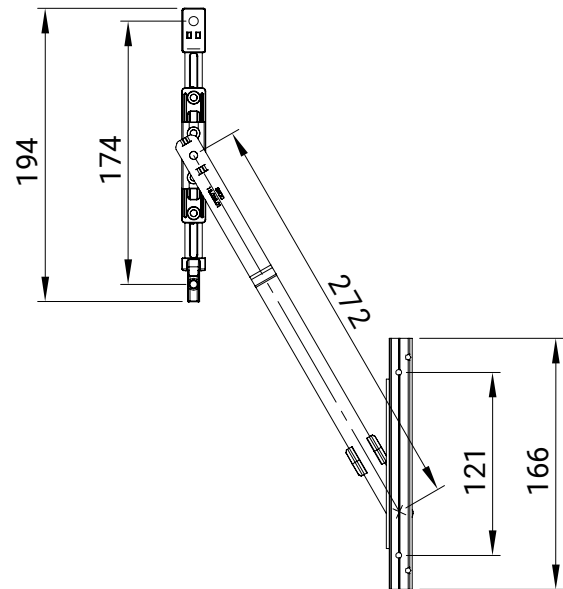
ZM AL

INX

130720

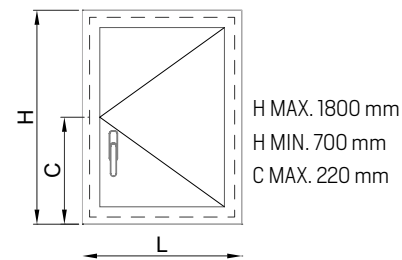
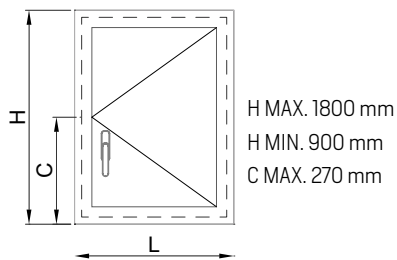
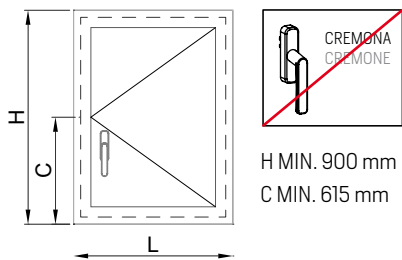


DESCUENTO de falleba = 174mm  
Operating rod DISCOUNT = 174mm



# CONFIGURACIONES ESPECIALES RECOMENDADAS

## SPECIAL RECOMMENDED CONFIGURATIONS



PARA  $H > 1800$  RECOMENDAMOS EL USO DE LA **CONFIGURACIÓN 1**  
 FOR  $H > 1800$  THE USE OF **CONFIGURATION 1** IS RECOMMENDED

### Configuración 1 Configuration 1

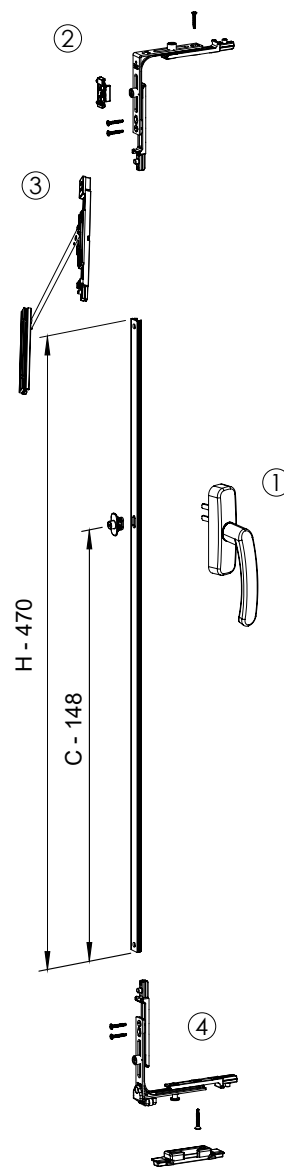
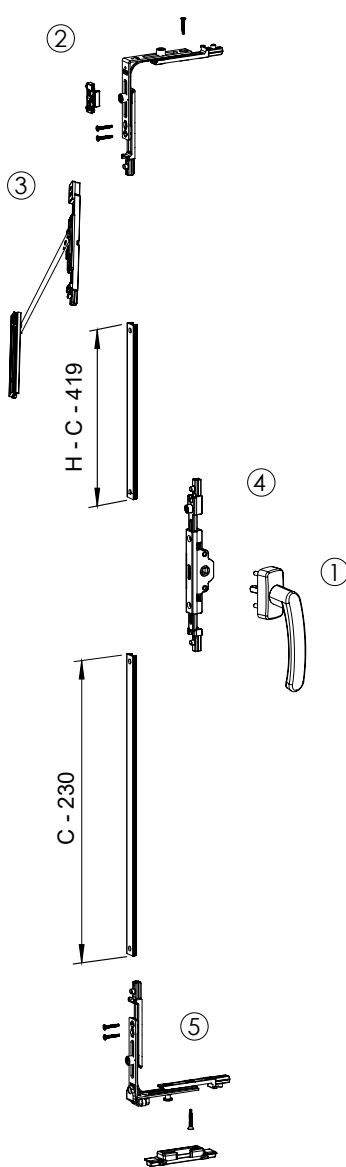
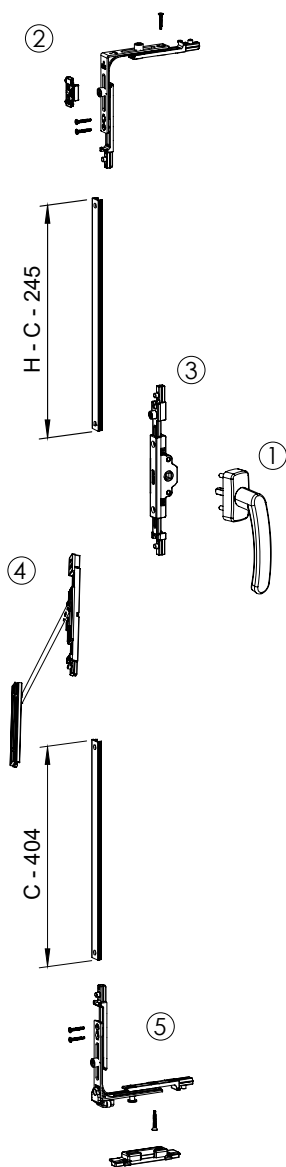
|   |   |
|---|---|
| 1 | <b>A0771</b> Sirius<br><b>S5771</b> Polaris |
| 2 | <b>05370900</b>                             |
| 3 | <b>0517078</b>                              |
| 4 | <b>130720</b>                               |
| 5 | <b>05373400</b>                             |

### Configuración 2 Configuration 2

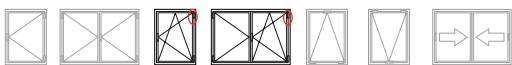
|   |   |
|---|---|
| 1 | <b>A0771</b> Sirius<br><b>S5771</b> Polaris |
| 2 | <b>05370900</b>                             |
| 3 | <b>130720</b>                               |
| 4 | <b>0517078</b>                              |
| 5 | <b>05373400</b>                             |

### Configuración 3 Configuration 3

|   |   |
|---|---|
| 1 | <b>A1157</b> Sirius<br><b>1135</b> Lyra |
| 2 | <b>05370900</b>                         |
| 3 | <b>130720</b>                           |
| 4 | <b>05373400</b>                         |







An angle return for an additional vertical locking point.

#### TECHNICAL CHARACTERISTICS:

- It fits to the friction stay to have an additional vertical locking point between hinges.
- It is recommended for use for sash heights above 900 mm.
- The angle return is supplied with a set for the locking point.
- All of the parts are treated in order to guarantee resistance to corrosion having been subjected to 250 hours in a saline mist chamber.

Ángulo de reenvío para punto de cierre vertical adicional.

#### CARACTERÍSTICAS TÉCNICAS:

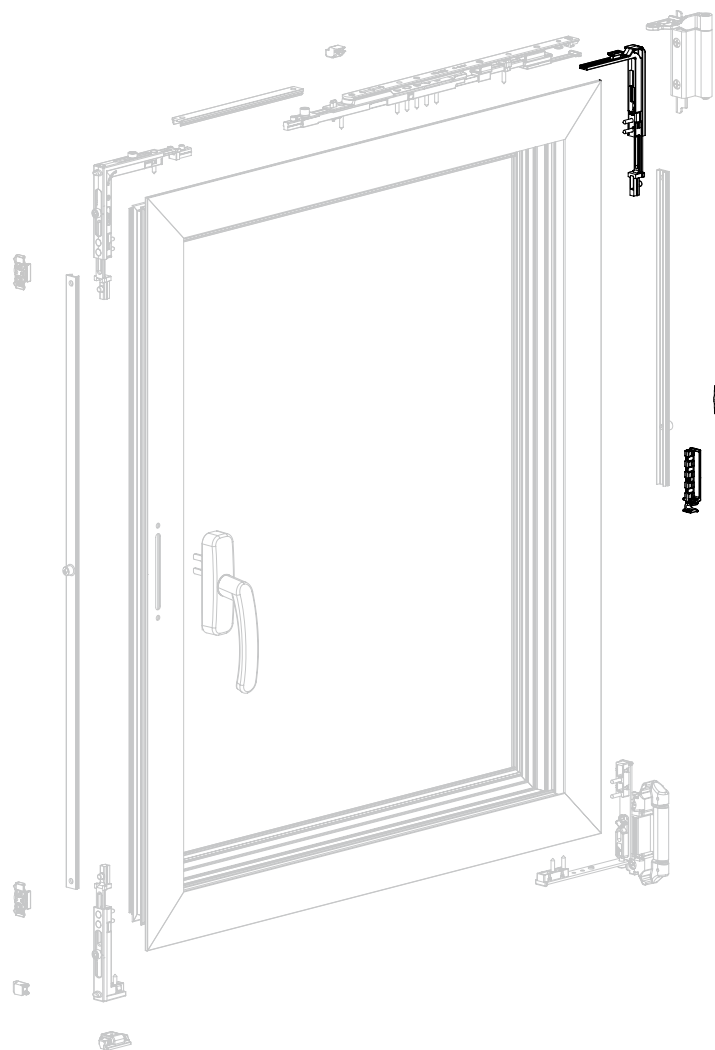
- Se acopla al compás para disponer de uno o más puntos de cierre verticales adicionales entre las bisagras.
- Se recomienda utilizar para alturas de hoja superiores a 1200 mm.
- Se suministra el ángulo de reenvío con un conjunto para punto de cierre.
- Todas las piezas están tratadas para garantizar resistencia a la corrosión de más de 250 horas de cámara de niebla salina.

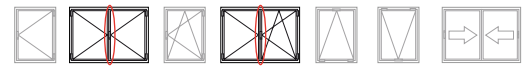


ZM INX

PA

172100





171600



Kit de cierre para la hoja pasiva mediante pasador de palanca bidireccional.

**CARACTERÍSTICAS TÉCNICAS:**

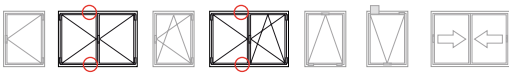
- Se compone de dos terminales conectados a una palanca mediante pletinas falleba.
- Accionando una sola palanca se abren o cierran los dos terminales.
- Los terminales incorporan puntos de cierre con regulación de apriete de  $\pm 2,2$  mm y un resalte anti-elevación en el terminal inferior.

A locking kit for the passive sash by way of a two way lever bolt.

**TECHNICAL CHARACTERISTICS:**

- Comprising of two terminals connected to a lever using operating rods.
- By activating one lever the terminals are opened or closed.
- The terminals have locking points with tightness adjustment incorporated and anti-elevating projection in the lower terminal.





A retaining mechanism for the passive sash.

**TECHNICAL CHARACTERISTICS:**

- A mechanism to maintain the passive sash blocked when it is closed.
- It is de-activated by pulling on the sash.
- The frame element is self assembled and can be adjusted.

Mecanismo de retención para la hoja pasiva.

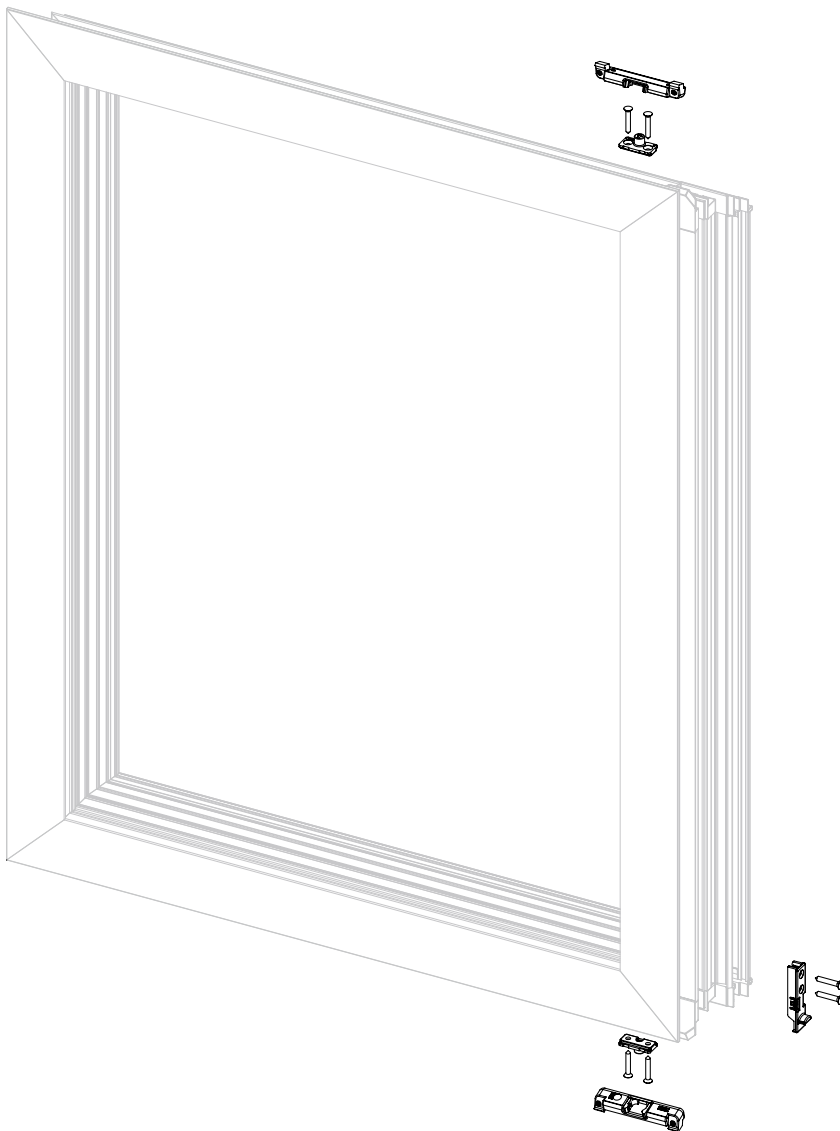
**CARACTERÍSTICAS TÉCNICAS:**

- Mecanismo para mantener bloqueada la hoja pasiva cuando está cerrada.
- Se desactiva tirando de la hoja.
- El elemento de marco es automontable y admite regulación.
- Colocar el tope anti-elevación 2 hojas al utilizar el clip retenedor.



ZM INX

0517047



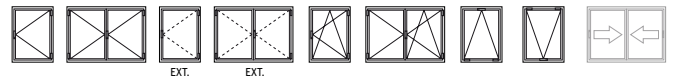
TOPE ANTI-ELEVACIÓN 2 HOJAS  
ANTI-LIFT DOUBLE SASH STOP



ZM

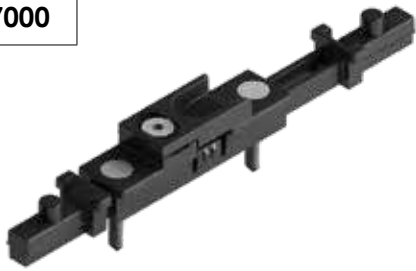
0517091





CERRADERO INVERSOR  
INVERTER LOCK

177000



ZM Inx

Cerradero que se coloca en el inversor en el caso de añadir uno o más puntos de cierre verticales adicionales. Se recomienda emplear a partir de 1200 mm de altura de hoja.

A lock that is fitted in to the inverter when adding one or more vertical locking points. Recommended for use from 1200 mm sash height.

BISAGRA OCULTA  
HIDDEN HINGE

172500



ZM Inx

Se utiliza como punto de cierre suplementario en la hoja pasiva (en oscilo) y en las dos hojas (en practicable) y se sitúa entre las dos bisagras. Se recomienda emplear a partir de 1.200 mm de altura de hoja.

It is used as a supplementary locking point in the passive sash (in tilt-turn mode) and in the two sashes (in casement) and it is situated between the two hinges. It is recommended for use in sash heights from 1200 mm.

PUNTO DE CIERRE REGULABLE  
ADJUSTABLE LOCKING POINT

170200



ZM Inx

Elemento de marco para punto de cierre con regulación de apriete.

A frame part for the locking point with tightness adjustment.

TERMINAL EMBELLECEDOR DE FALLEBA  
OPERATING ROD TERMINAL COVER

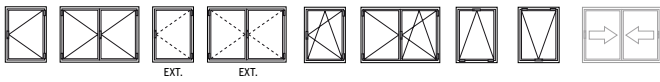
0517083



ZM

Se fija a la hoja para sujetar los extremos libres de las fallebas que llevan un remache como punto de cierre adicional (Ver configuraciones "Practicable")

Fixed to the sash to hold the operating rod free ends that have a rivet that acts as an additional locking point (See "Casement" configurations)



PUNTO DE CIERRE COLISO  
SLOTTED LOCKING POINT



ZM INX



178000



Se utiliza para colocar puntos de cierre adicionales de forma manual.

This is used to fit additional locking points manually.

PUNTO DE CIERRE COLISO ENCASQUILLADO  
SLOTTED LOCKING POINT



ZM INX



178000C



Punto de cierre encastrado para colocar de forma manual.

It is used to fit additional locking points manually. Bushed slotted version.

REMACHE PUNTO DE CIERRE  
LOCKING POINT RIVET



ZM

TFS 04 TFS 05

TFS 06



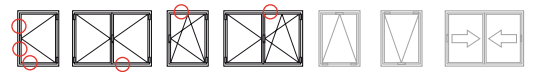
0517002



Ø6

Se emplea para colocar puntos de cierre en la falleba mediante las troqueladoras de fallebas STAC16.

This is used to fit locking points to the operating rod using the STAC16 operating rod punch and cropper.



174401



ZM INX



Mecanismo que permite una posición de aireación.

Mechanism that allows an aeration position.

**CARACTERÍSTICAS TÉCNICAS**

- Aplicable tanto en ventanas oscilobatientes como practicables.
- El diseño especial del cerradero hace que al girar la cremona, la hoja se posiciona de manera que quede abierta entre 1 y 6 mm.
- Cumple con todas las exigencias del Código Técnico de Edificación en cuanto a calidad del aire interior.

**TECHNICAL CHARACTERISTICS:**

- It can be applied both to tilt & turn and casement windows.
- The special striker design makes the cremone turn and the sash is positioned in such a way that it remains open between 1 & 6 mm.
- It complies with all the Technical Building Code requirements with regard to the quality of interior air.

**ENSAYOS**

- Permeabilidad al aire de la ventana en posición de microapertura según UNE 12207:2000.

**TESTS**

- Window air permeability in micro opening position according to UNE 12207:2000.

|  |                |
|--|----------------|
| Permeabilidad al aire según UNE12207:2000 en posición de microapertura | <b>CLASE 1</b> |
|--|----------------|

|   |                |
|---|----------------|
| Air permeability according to UNE12207:2000 in micro opening position | <b>CLASS 1</b> |
|---|----------------|

VALORES OBTENIDOS SEGÚN EL ENSAYO REALIZADO EN EL ORGANISMO NOTIFICADO 0370 SEGÚN NÚMERO DE INFORME 09/32302792. \*

VALUES OBTAINED ARE ACCORDING TO THE TEST CARRIED OUT IN THE ORG. NO. 0370 AND ACCORDING TO REPORT NO. 09/32302792. \*

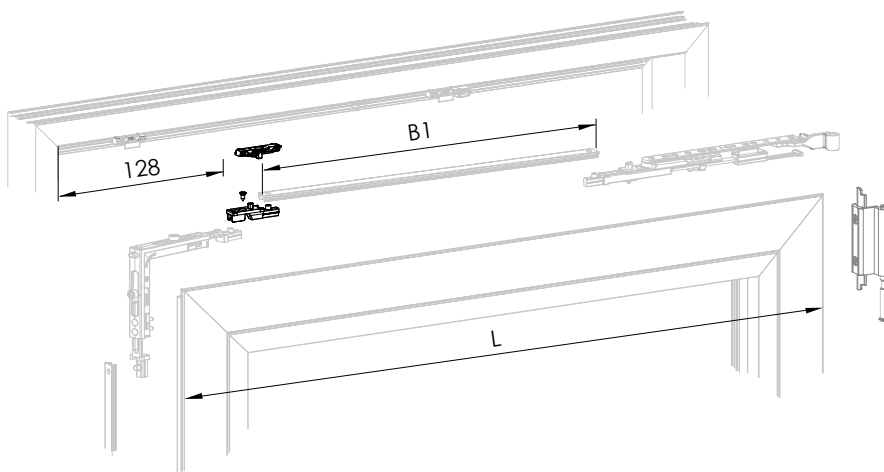
\* Muestra de referencia:

Ventana de 2 hojas 1230 x 1480 mm.

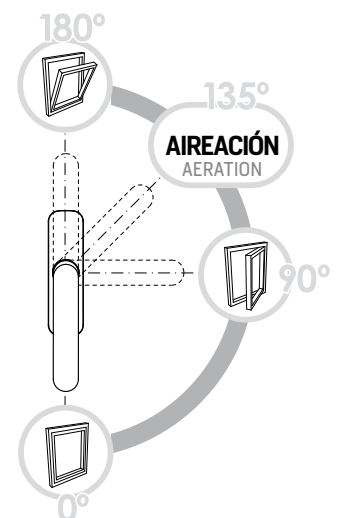
\*Reference sample:

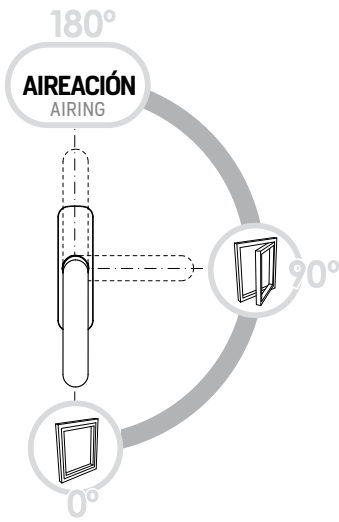
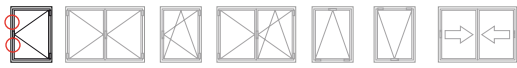
Double sash window 1230 x 1480 mm.

**OSCILOBATIENTE  
TILT-TURN**



| COMPÁS<br>FRICTION STAY        | DESCUENTO DE FALLEBA B1<br>B1 OPERATING ROD DISCOUNT | L MÍNIMO<br>L MIN. | POSICIÓN CERRADERO<br>LOCK POSITION |
|--------------------------------|--|--------------------|-------------------------------------|
| GRANDE (170301D/I**)<br>LARGE  | L-626  | 665                | 128                                 |
| MEDIANO(170302D/I**)<br>MEDIUM | L-542  | 582                |                                     |
| PEQUEÑO (170303D/I**)<br>SMALL | L-448  | 488                |                                     |
| MINI (170306D/I**)<br>MINI     | L-370  | 410                |                                     |

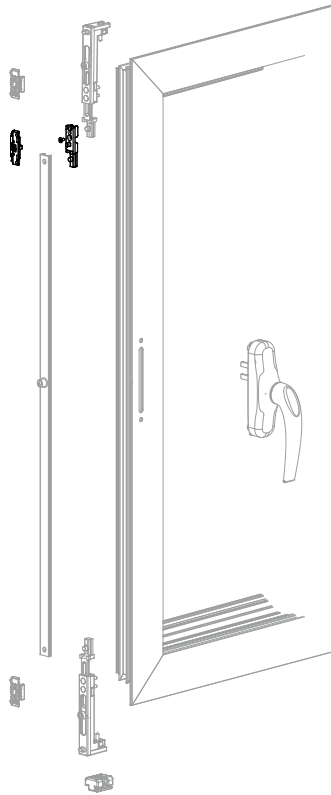




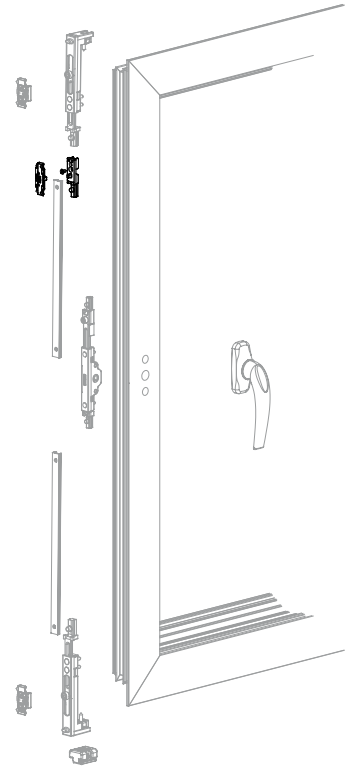
PRACTICABLE CASEMENT

CIERRE AL INVERSOR LOCKING TO INVERTER

CON CREMONA  
WITH CREMONE

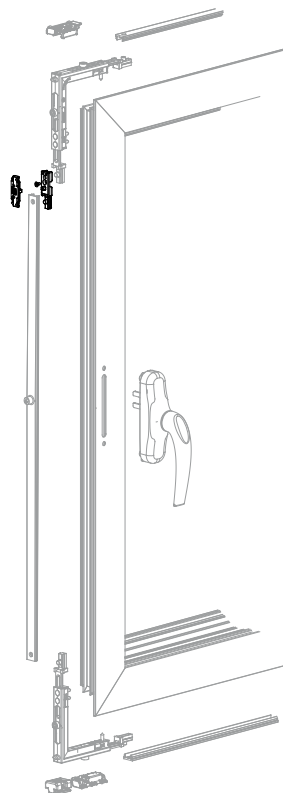


CON CAJA DE TRANSMISIÓN  
WITH TRANSMISSION BOX

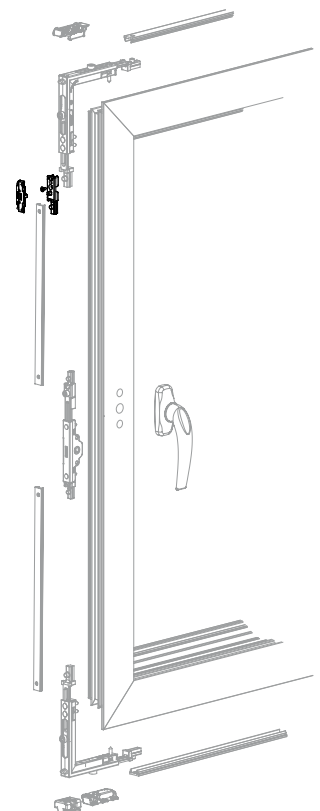


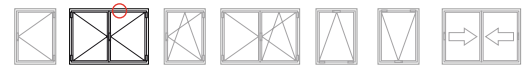
CIERRE AL MARCO LOCKING TO FRAME

CON CREMONA  
WITH CREMONE



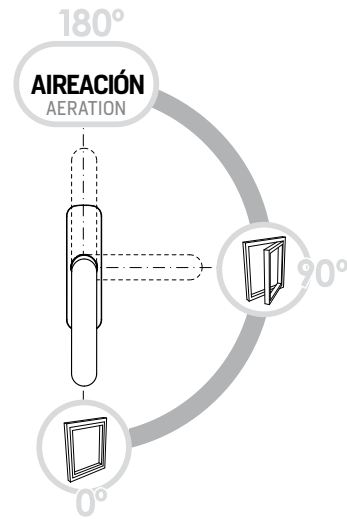
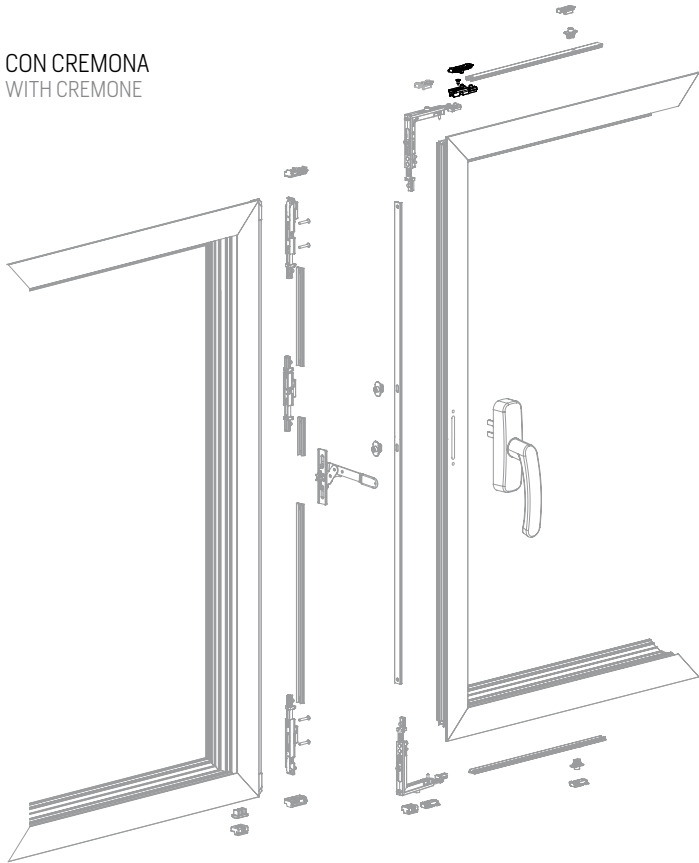
CON CAJA DE TRANSMISIÓN  
WITH TRANSMISSION BOX



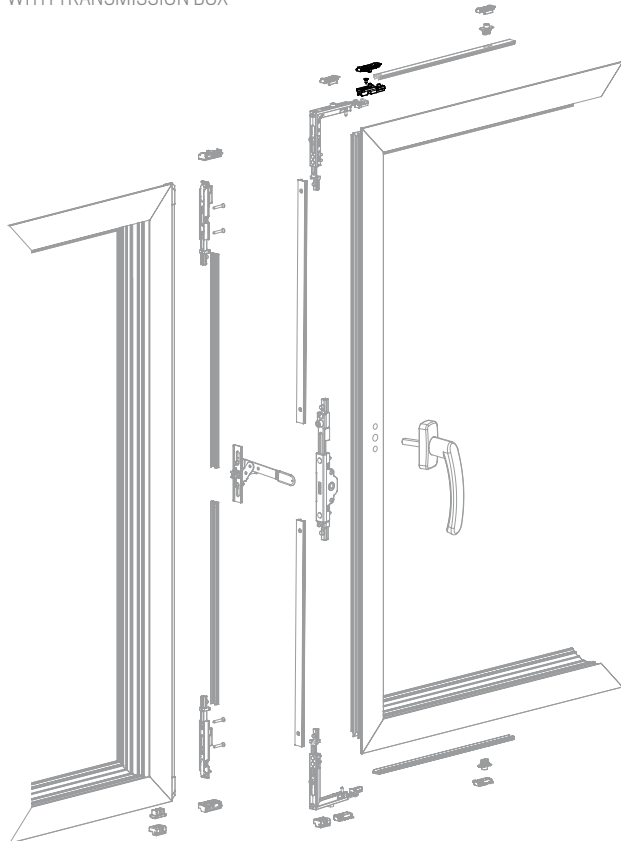


PRACTICABLE 2 HOJAS DOUBLE SASH CASEMENT

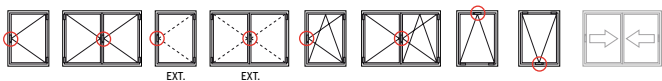
CON CREMONA  
WITH CREMONE



CON CAJA DE TRANSMISIÓN  
WITH TRANSMISSION BOX







**TECHNICAL CHARACTERISTICS:**

- Two pin measurements: 15 & 35 mm.
- Both for transmission by way of a 7 mm spindle.
- They are reversible for right hand or left hand openings. They are incorporated with a locking point with a giratory cap and a stop to limit the distance travelled in case they are assembled in casement, open-out, hopper or awning window openings.

**CARACTERÍSTICAS TÉCNICAS:**

- Dos medidas diferentes de aguja: 15 y 35 mm.
- Ambas para transmisión por cuadrado de 7 mm.
- Son reversibles, para aperturas a derechas e izquierdas. Incorporan un punto de cierre con casquillo giratorio y un tope para limitar el recorrido en caso de que sean montadas en ventanas de apertura practicable, apertura exterior, abatible o proyectante.

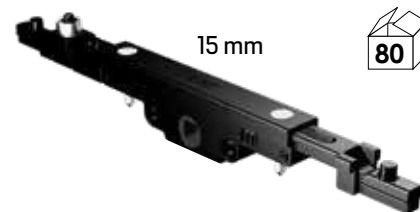


AL ZM

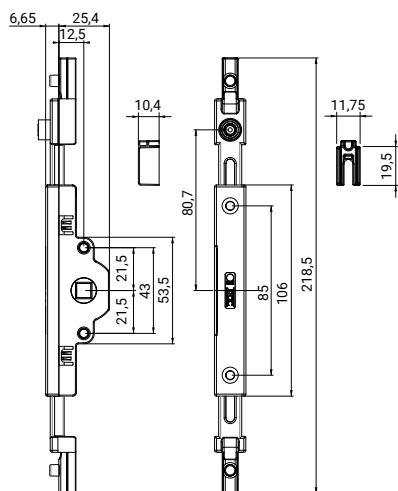
7 mm



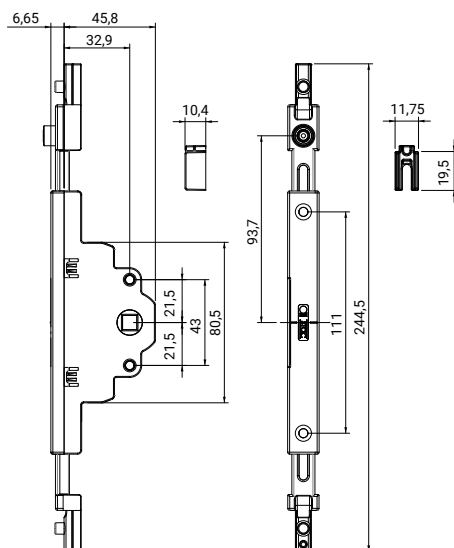
0517078



CAJA DE TRANSMISIÓN 15 mm  
TRANSMISSION BOX 15mm



CAJA DE TRANSMISIÓN 35 mm  
TRANSMISSION BOX 35 mm



CAJAS DE TRANSMISIÓN 35 mm  
35 mm TRANSMISSION BOXES

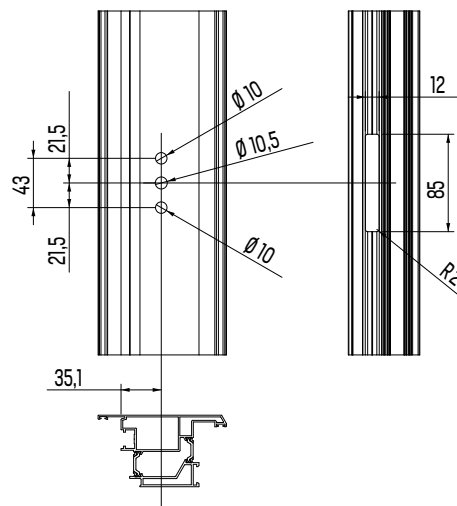
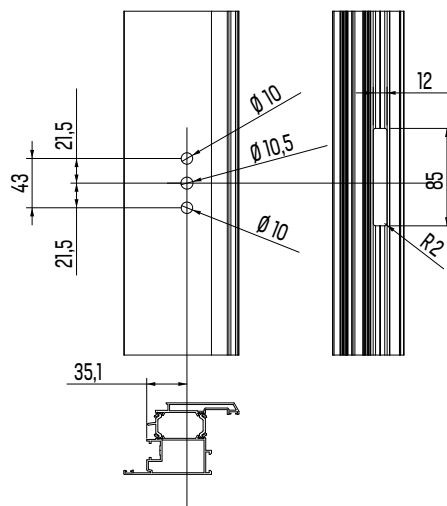
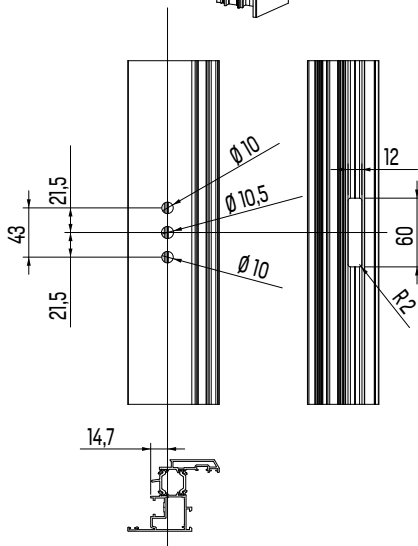
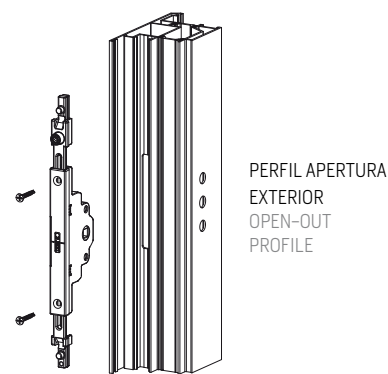
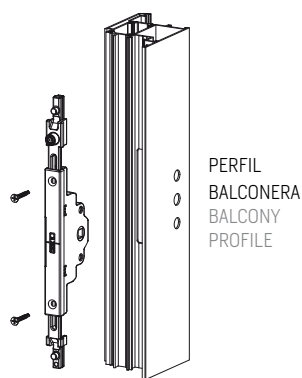
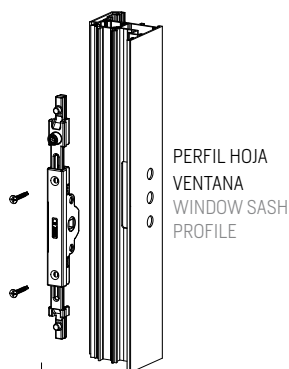


AL ZM

7 mm

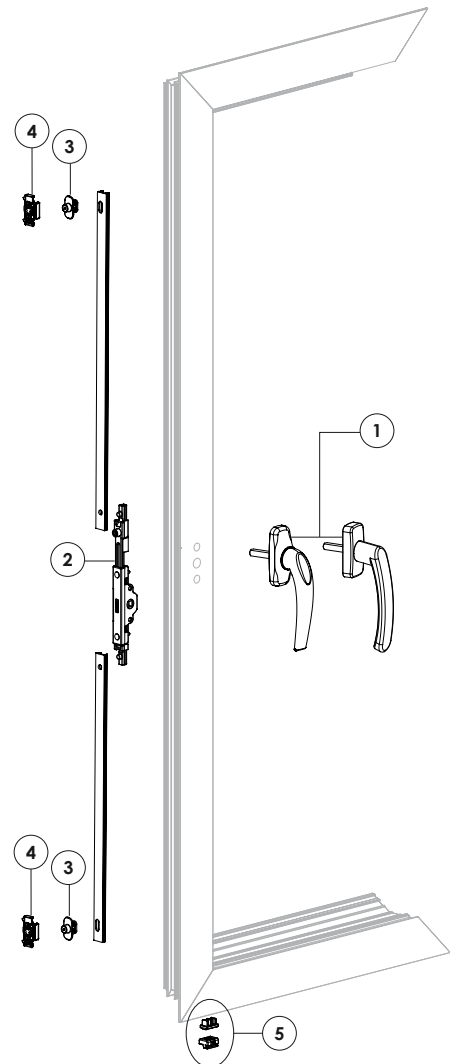
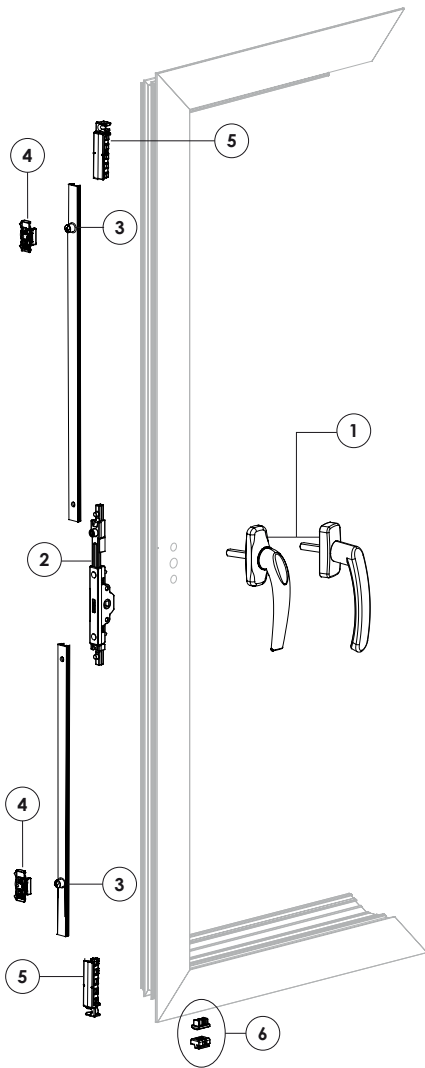


0517194





CIERRE AL INVERSOR CON REMACHES O PUNTOS DE CIERRE COLISO  
 LOCKING TO INVERTER WITH RIVETS OR SLOTTED LOCKING POINT



PRACTICABLE 1H CI CON DOS ÁNGULOS DE REENVÍO y remaches  
 DOUBLE SASH LOCKING TO FRAME CASEMENT WITH TWO RETURN  
 ANGLES and rivets

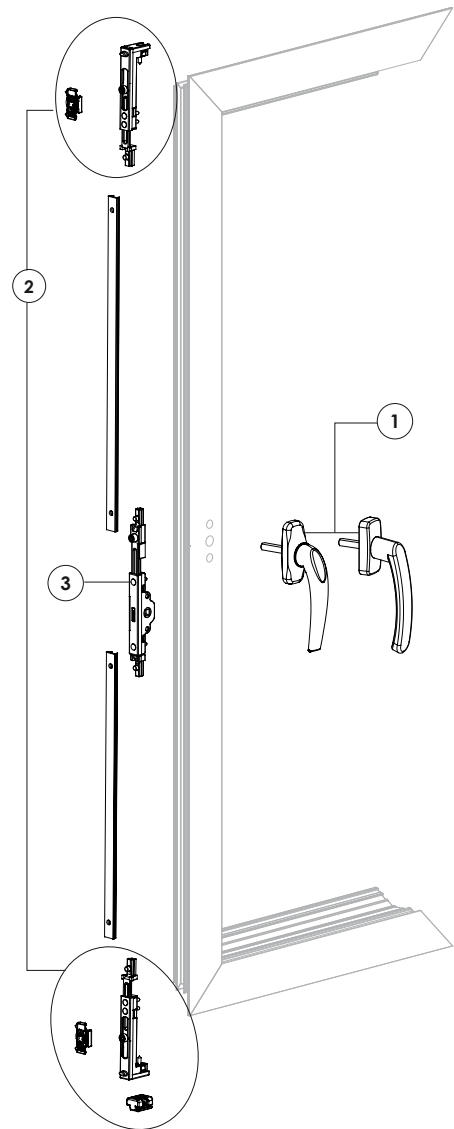
|   |  |  |               |
|---|--|--|---------------|
| 1 | MANILLA [Ver sección Cremonas y manillas]<br>HANDLE [See handles and cremones section] |  |               |
| 2 | <b>0517078</b>   | CAJA DE TRANSMISIÓN STAC16<br>STAC16 TRANSMISSION BOX            | 80            |
| 3 | <b>0517002</b>   | REMACHE PUNTO DE CIERRE<br>LOCKING POINT RIVET                   | 50<br>CÁNULAS |
| 4 | <b>170200</b>  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT            | 100           |
| 5 | <b>0517083</b>   | TERMINAL EMBELLECEDOR DE FALLEBA<br>OPERATING ROD TERMINAL COVER | 50            |
| 6 | <b>0517226</b>   | CONJUNTO RESBALÓN STAC16<br>STAC16 SLIP KIT                      | 50            |

PRACTICABLE 1H CI CON DOS ÁNGULOS DE REENVÍO y puntos  
 de cierre coliso  
 DOUBLE SASH LOCKING TO FRAME CASEMENT WITH TWO RETURN  
 ANGLES and slotted locking point

|   |  |   |     |
|---|--|---|-----|
| 1 | MANILLA [Ver sección Cremonas y manillas]<br>HANDLE [See handles and cremones section] |   |     |
| 2 | <b>0517078</b>   | CAJA DE TRANSMISIÓN STAC16<br>STAC16 TRANSMISSION BOX | 80  |
| 3 | <b>178000</b>  | PUNTO DE CIERRE COLISO<br>SLOTTED LOCKING POINT       | 100 |
| 4 | <b>170200</b>  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT | 100 |
| 5 | <b>0517226</b>   | CONJUNTO RESBALÓN STAC16<br>STAC16 SLIP KIT           | 50  |



CIERRE AL INVERSOR CON PUNTEROS  
LOCKING TO INVERTER WITH POINTERS

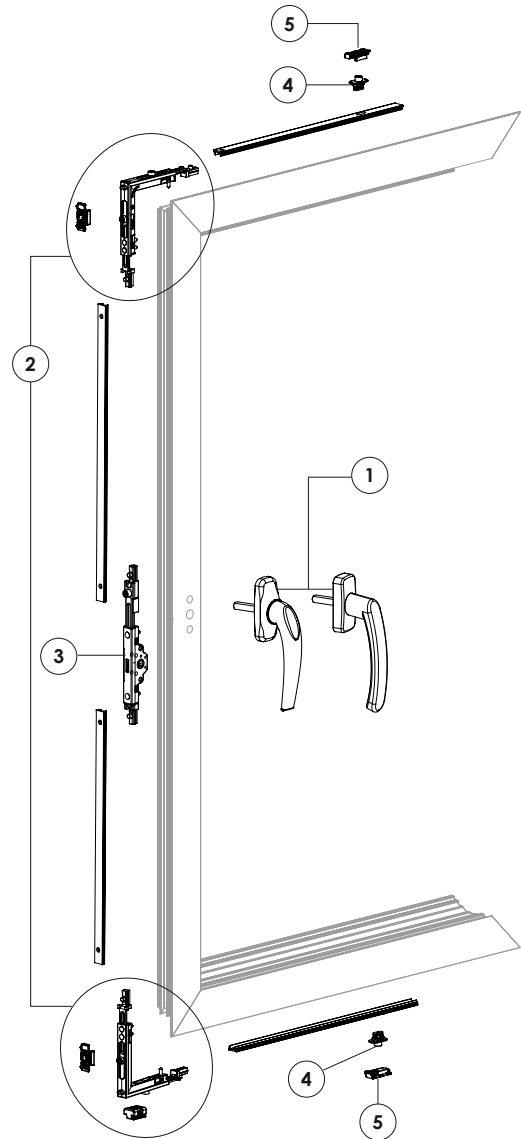
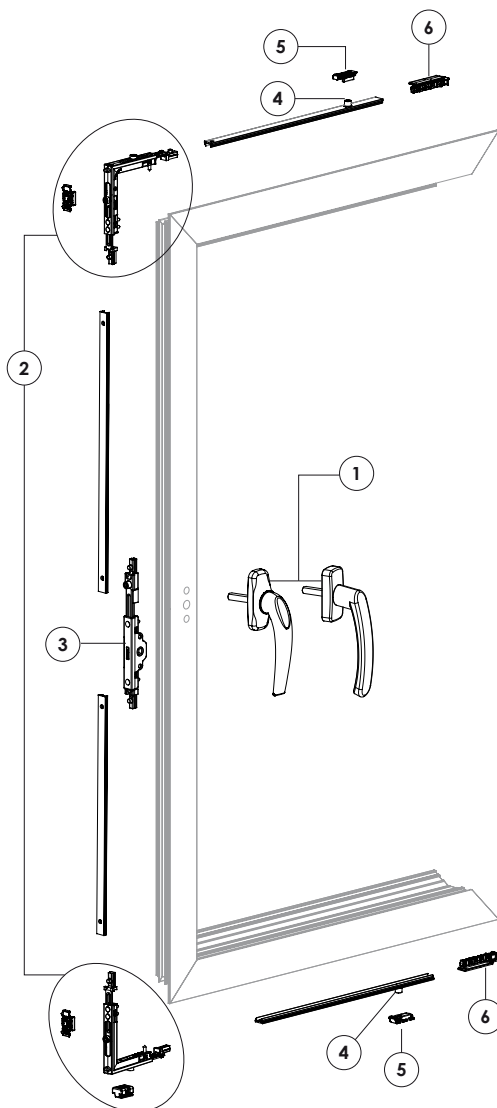


PRACTICABLE1H CI CON 2 PUNTEROS  
SINGLE SASH LOCKING TO INVERTER CASEMENT WITH TWO POINTERS

|   |  |   |  |
|---|--|---|--|
| 1 | MANILLA (Ver sección Cremonas y manillas)<br>HANDLE (See handles and cremones section) |   |  |
| 2 | <b>17K1HCI</b>   | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT |  |
|   |  | RESBALÓN MARCO<br>FRAME SLIP                          |  |
|   |  | PUNTERO STAC16<br>STAC 16 POINTER                     |  |
| 3 | <b>0517078</b>   | CAJA DE TRANSMISIÓN STAC16<br>STAC16 TRANSMISSION BOX |  |



CIERRE AL MARCO CON ÁNGULOS DE REENVÍO  
 LOCKING TO FRAME WITH RETURN ANGLES

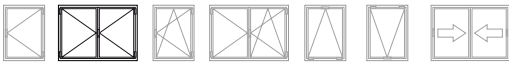


PRACTICABLE 1H CM CON 2 ÁNG. REENVÍO y remaches  
 SINGLE SASH LOCKING TO FRAME CASEMENT WITH TWO RETURN ANGLES and rivets

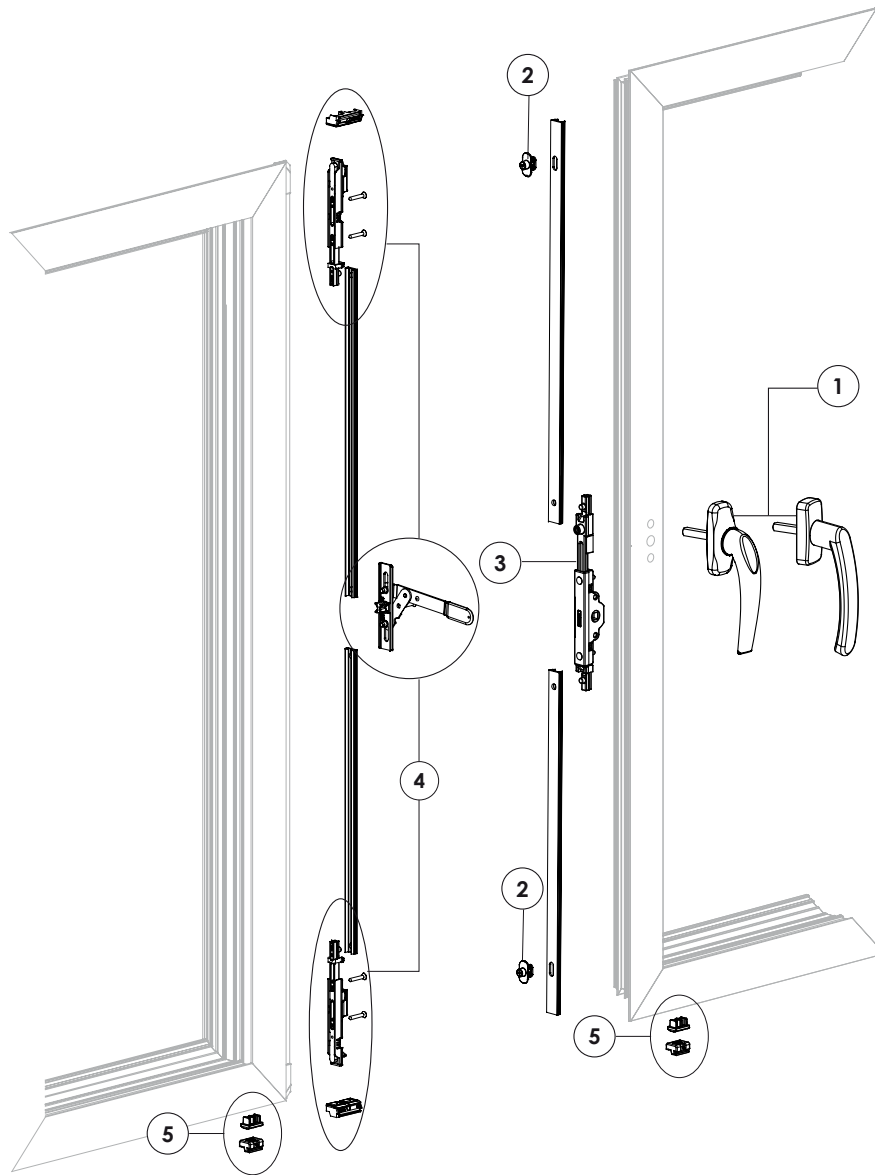
PRACTICABLE 1H CM CON 2 ÁNG. REENVÍO  
 y ptos. de cierre coliso  
 SINGLE SASH LOCKING TO FRAME CASEMENT WITH TWO RETURN ANGLES and slotted locking points

|   |  |  |               |
|---|--|--|---------------|
| 1 | MANILLA (Ver sección Cremonas y manillas)<br>HANDLE (See handles and cremones section) |  |               |
| 2 | 17K1HCM  | ÁNG. REENV. STAC16<br>STAC16 RETURNR ANGLE                       | 1             |
|   |  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT            |               |
|   |  | RESBALÓN MARCO<br>FRAME SLIP                                     |               |
| 3 | 0517078  | CAJA DE TRANSMISIÓN STAC16<br>STAC16 TRANSMISSION BOX            | 80            |
| 4 | 0517002  | REMACHE PUNTO DE CIERRE<br>LOCKING POINT RIVET                   | 50<br>CÁNULAS |
| 5 | 170200   | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT            | 100           |
| 6 | 0517083  | TERMINAL EMBELLECEDOR DE FALLEBA<br>OPERATING ROD TERMINAL COVER | 50            |

|   |  |   |     |
|---|--|---|-----|
| 1 | MANILLA (Ver sección Cremonas y manillas)<br>HANDLE (See handles and cremones section) |   |     |
| 2 | 17K1HCM  | ÁNG. REENV. STAC16<br>STAC16 RETURNR ANGLE            | 1   |
|   |  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT |     |
|   |  | RESBALÓN MARCO<br>FRAME SLIP                          |     |
| 3 | 0517078  | CAJA DE TRANSMISIÓN STAC16<br>STAC16 TRANSMISSION BOX | 80  |
| 4 | 178000   | PUNTO DE CIERRE COLISO<br>SLOTTED LOCKING POINT       | 100 |
| 5 | 170200   | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT | 100 |

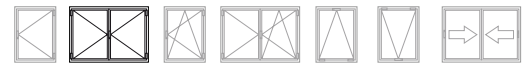


CIERRE AL INVERSOR CON PUNTOS DE CIERRE COLISOS  
LOCKING TO INVERTER WITH SLOTTED LOCKING POINTS

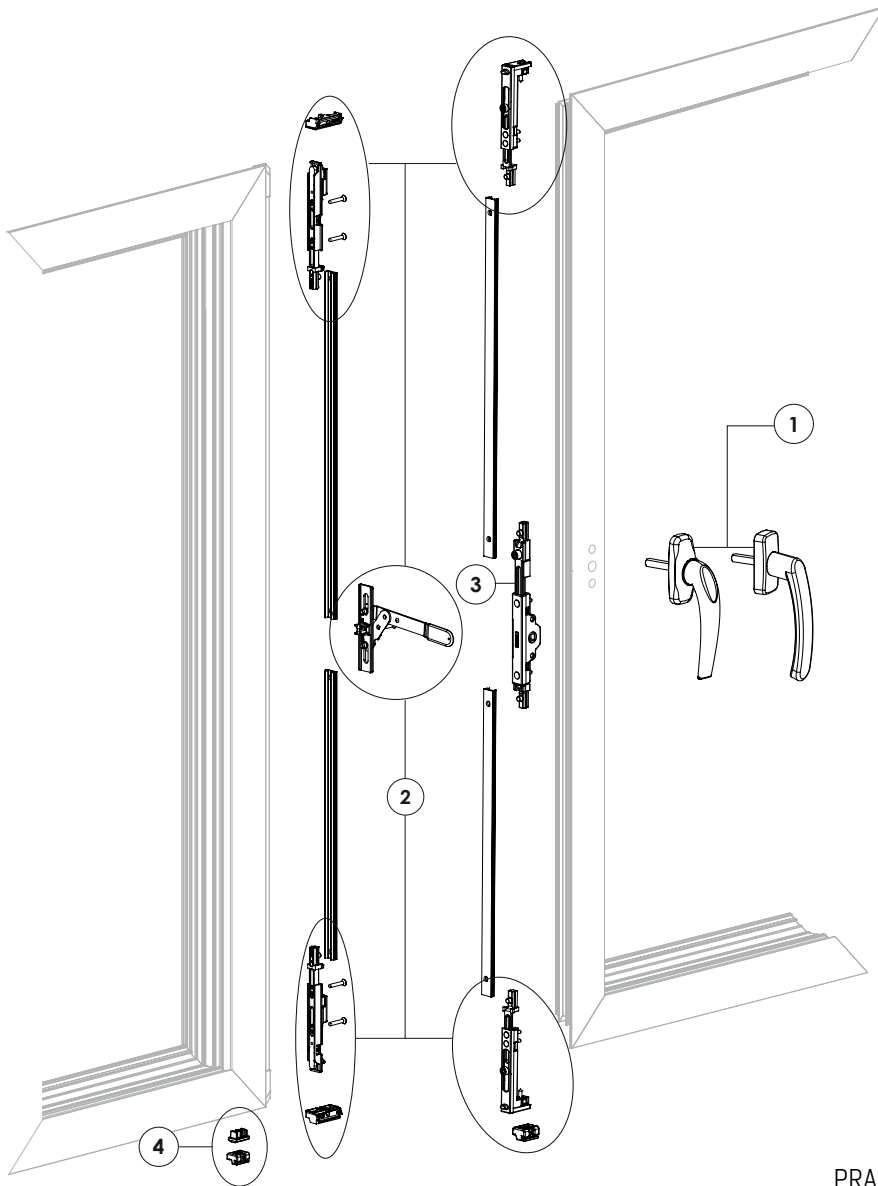


PRACTICABLE 2H CI CON PTO. CIERRE COLISOS  
DOUBLE SASH LOCKING TO INVERTER CASEMENT WITH SLOTTED  
LOCKING POINT

|   |  |  |     |
|---|--|--|-----|
| 1 | MANILLA (Ver sección Cremonas y manillas)<br>HANDLE (See handles and cremones section) |  |     |
| 2 | <b>178000</b>  | PUNTO DE CIERRE COLISO<br>SLOTTED LOCKING POINT                          | 100 |
| 3 | <b>0517078</b>   | CAJA DE TRANSMISIÓN STAC16<br>STAC16 LOCKING POINT                       | 80  |
| 4 | <b>171600</b>  | KIT PASADOR DE PALANCA BID. STAC16<br>TWO WAY SHOOTBOLT LEVER STAC16 KIT | 20  |
| 5 | <b>0517226</b>   | CONJUNTO RESBALÓN STAC16<br>STAC16 SLIP KIT                              | 50  |



CIERRE AL INVERSOR CON PUNTEROS  
 LOCKING TO INVERTER WITH POINTERS

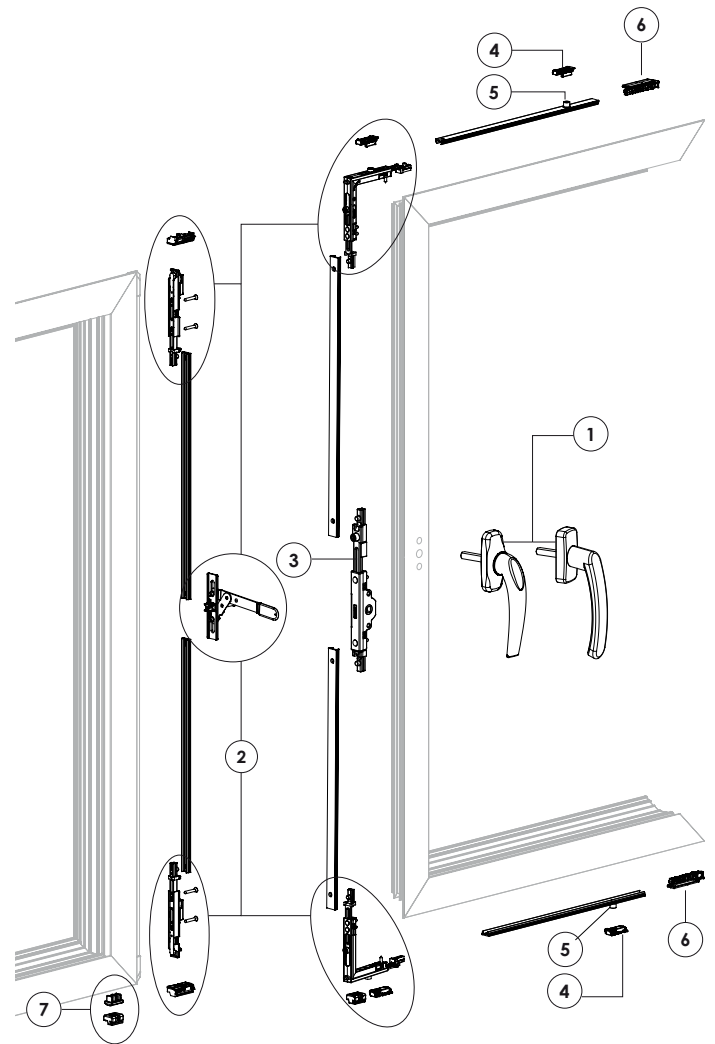


PRACTICABLE 2H CI CON DOS PUNTEROS  
 DOUBLE SASH LOCKING TO INVERTER CASEMENT WITH TWO PONTERS

|   |  |  |  |
|---|--|--|--|
| 1 | MANILLA (Ver sección Cremonas y manillas)<br>HANDLE (See handles and cremones section) |  |  |
| 2 | 17K2HCI  | PUNTERO STAC16<br>STAC16 POINTER   |  |
|   |  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT                    |  |
|   |  | RESBALÓN MARCO<br>FRAME SLIP   |  |
|   |  | KIT PASADOR DE PALANCA BID. STAC16<br>TWO WAY SHOOTBOLT LEVER STAC16 KIT |  |
| 3 | 0517078  | CAJA DE TRANSMISIÓN STAC16<br>STAC16 TRANSMISSION BOX                    |  |
| 4 | 0517226  | CONJUNTO RESBALÓN STAC16<br>STAC16 SLIP KIT                              |  |

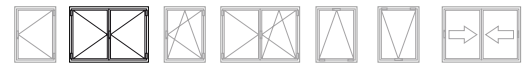


CIERRE AL MARCO CON ÁNGULO DE REENVÍO  
LOCKING TO FRAME WITH RETURN ANGLE

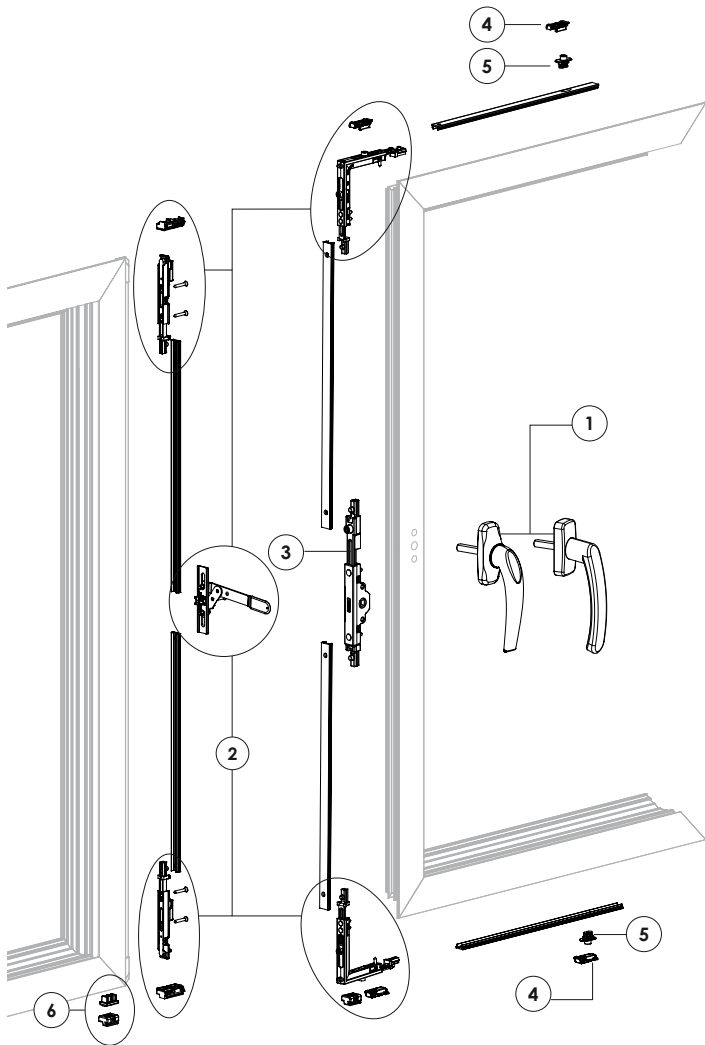


PRACTICABLE 2H CM CON DOS ÁNGULOS DE REENVÍO, caja de transmisión y remaches  
DOUBLE SASH LOCKING TO INVERTER CASEMENT WITH TWO RETURN ANGLES, transmission box and rivets






|   |  |  |             |
|---|--|--|-------------|
| 1 | MANILLA [Ver sección Cremonas y manillas]<br>HANDLE [See handles and cremones section] |  |             |
| 2 | 17K2HCM  | ÁNG. REENV. STAC16<br>16 RETURN ANGLE                                    |             |
|   |  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT                    |             |
|   |  | RESBALÓN MARCO<br>FRAME SLIP   |             |
|   |  | KIT PASADOR DE PALANCA BID. STAC16<br>TWO WAY SHOOTBOLT LEVER STAC16 KIT |             |
| 3 | 0517078  | CAJA DE TRANSMISIÓN STAC16<br>STAC16 TRANSMISSION BOX                    |             |
| 4 | 170200   | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT                    |             |
| 5 | 0517002  | REMACHE PUNTO DE CIERRE<br>LOCKING POINT RIVET                           | <br>CÁNULAS |
| 6 | 0517083  | TERMINAL EMBELLECEDOR DE FALLEBA<br>OPERATING ROD TERMINAL COVER         |             |
| 7 | 0517226  | CONJUNTO RESBALÓN STAC16<br>STAC16 SLIP KIT                              |             |



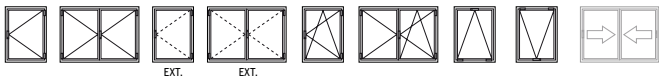
CIERRE AL MARCO CON ÁNG. REENVÍO  
 LOCKING TO FRAME WITH RETURN ANGLE



PRACTICABLE 2H CM CON DOS ÁNGULOS DE REENVÍO, caja de transmisión y punto de cierre coliso  
 DOUBLE SASH LOCKING TO FRAME CASEMENT WITH TWO RETURN ANGLES, transmission box and slotted locking point

|   |  |  |   |
|---|--|--|---|
| 1 | MANILLA (Ver sección Cremonas y manillas)<br>HANDLE (See handles and cremones section) |  |   |
| 2 | <b>17K2HCM</b>   | ÁNG. REENV. STAC16<br>STAC16 RETURNNG ANGLE                              |  |
|   |  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT                    |   |
|   |  | RESBALÓN MARCO<br>FRAME SLIP   |   |
|   |  | KIT PASADOR DE PALANCA BID. STAC16<br>TWO WAY SHOOTBOLT LEVER STAC16 KIT |   |
| 3 | <b>0517078</b>   | CAJA DE TRANSMISIÓN STAC16<br>STAC16 TRANSMISSION BOX                    |  |
| 4 | <b>170200</b>  | PUNTO DE CIERRE REGULABLE<br>ADJUSTABLE LOCKING POINT                    |  |
| 5 | <b>178000</b>  | PUNTO DE CIERRE COLISO<br>SLOTTED LOCKING POINT                          |  |
| 6 | <b>0517226</b>   | CONJUNTO RESBALÓN STAC16<br>STAC16 SLIP KIT                              |  |





Polyamide operating rods and clip for 16 mm groove.

**TECHNICAL CHARACTERISTICS:**

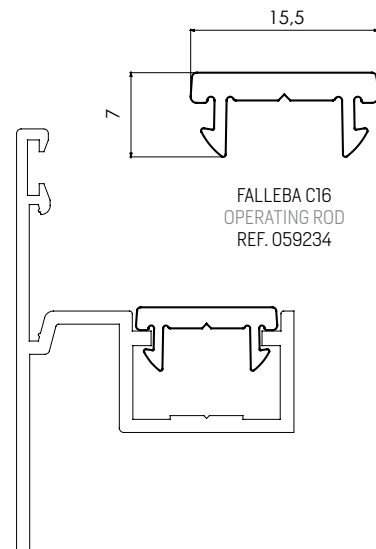
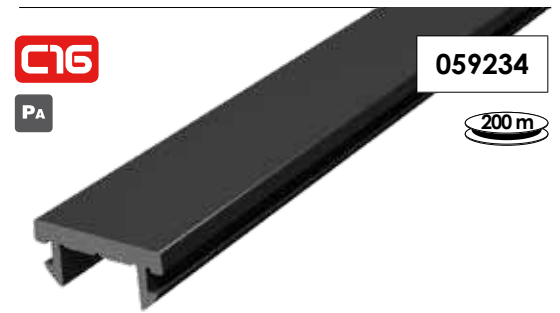
- The STAC16 operating rods adapt to the 16 mm groove with or without flanges.
- For 16 mm groove with flanges, the operating rod has two flexible legs that permit a direct clipping with the groove.
- For grooves without flanges in the operating rod a clipping part is added.
- As many additional locking points as required can be fitted and wherever required.
- They are fabricated with the STAC16 operating rod punches.

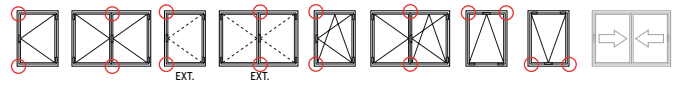
Pletinas falleba y clip de poliamida para canal 16.

**CARACTERÍSTICAS TÉCNICAS:**

- Las fallebas STAC16 se adaptan a canales de 16 mm con o sin pestañas.
- Para canal 16 con pestañas la falleba posee dos patillas flexibles que permiten el clipaje directo con el canal.
- En canales sin pestañas se deben fijar primero las piezas de clipaje al canal, para luego clipar en ellas la falleba tipo 2.
- Permiten poner tantos puntos de cierre adicionales como queramos y en el lugar deseado.
- Se mecanizan con las troqueladoras de fallebas STAC16.

FALLEBA STAC16  
STAC16 OPERATING ROD





ÁNGULO REENVÍO INOX SUPERIOR  
TOP STAINLESS ANGLE RETURN

05370900



ZM INX

Ac

Ángulos de reenvío para canal 16 mm en inox.

**CARACTERÍSTICAS TÉCNICAS:**

- Se utilizan en aperturas oscilobatiente y practicable.
- 3 ángulos diferentes: superior, inferior y hoja pasiva.
- Al ser de acero inoxidable proporcionan mayor resistencia y durabilidad.
- El ángulo de reenvío superior posee 2 puntos de cierre encasquillados para mayor suavidad de cierre. Este ángulo también se puede utilizar en aperturas abatibles y proyectantes.
- El ángulo de reenvío inferior posee un punto de cierre frontal encasquillado y una seta para realizar el basculamiento en oscilo y que sirve también como anti-elevación y como punto de cierre de seguridad.

Stainless angle returns for 16 mm groove.

**TECHNICAL CHARACTERISTICS:**

- For casement and tilt-turn openings.
- 3 different angles: Bottom, top and passive sash.
- Being stainless steel, they provide greater resistance and durability.
- The top stainless angle return has 2 bushed locking points for a smoother closing. This angle can also be used for hopper and awning openings.
- The bottom stainless angle return has a front bushed locking point and a mushroom for tilt-turn opening, which is also used as an anti-lifting device and security locking point.

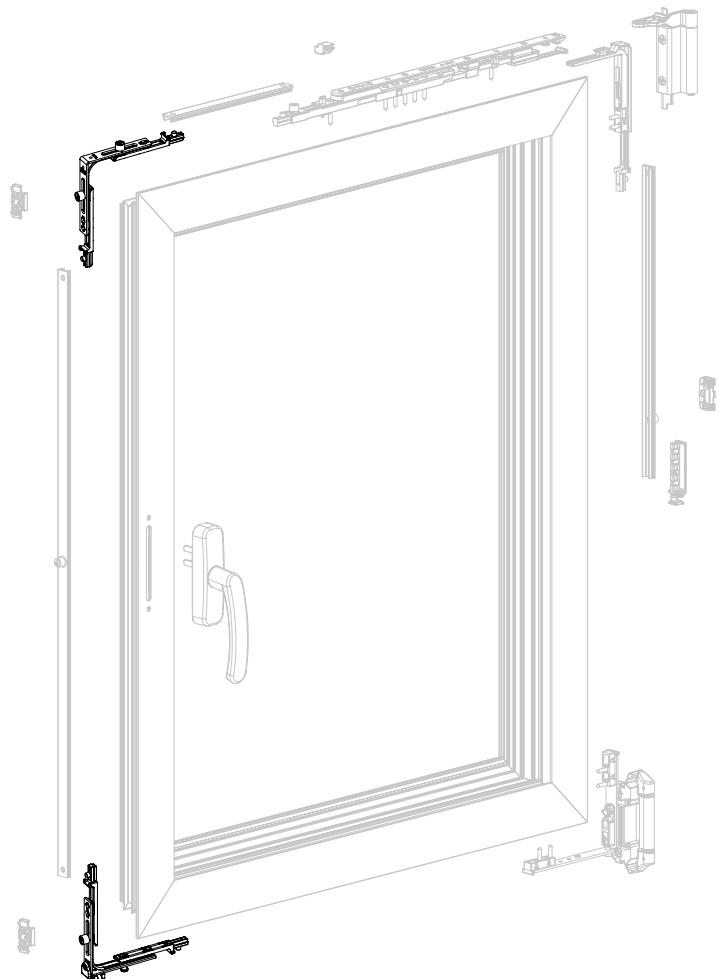
ÁNGULO REENVÍO INOX INFERIOR  
BOTTOM STAINLESS ANGLE RETURN

05373400



ZM INX

Ac





# ÁNGULO DE REENVÍO INOX HOJA PASIVA

## PASSIVE SASH STAINLESS ANGLE RETURN

16 mm groove passive sash angle return in stainless.

### TECHNICAL CHARACTERISTICS:

- The passive sash angle return has a top/bottom bushed locking point which contributes to a smooth closing operation to the passive sash and can be combined with the two way lever.

Ángulo de reenvío de hoja pasiva para canal 16 mm en inox.

### CARACTERÍSTICAS TÉCNICAS:

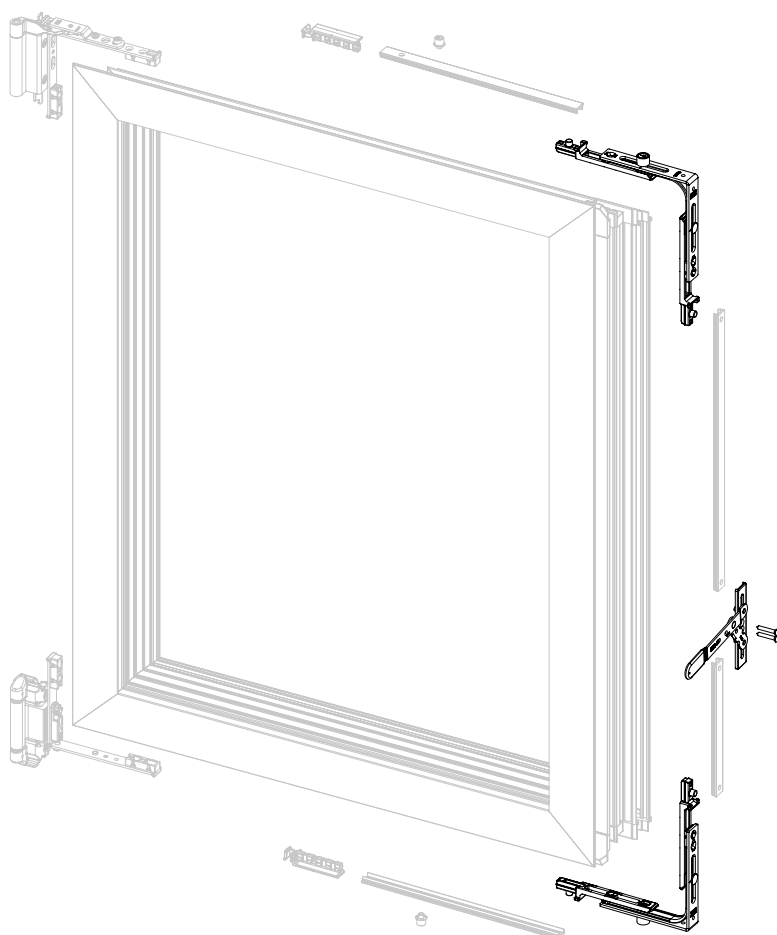
- El ángulo de reenvío de hoja pasiva posee un punto de cierre encasquillado superior/inferior para aportar suavidad al cierre de la hoja pasiva y se puede combinar con la palanca bidireccional.



ZM INX

Ac

05374700



### PALANCA BIDIRECCIONAL

#### TWO WAY SHOOTBOLT LEVER



ZM INX

05171668





A

# ANODIC

Herraje anodizado  
Anodized hardware

Bisagras  
Hinges

Cremonas y manillas  
Cremones & handles

Tirador TAU

Manillas de puerta  
Door handles

Oscilobatiente  
Tilt & Turn

Abatible y proyectante  
Bottom-hung & Top-hung

Corredera  
Sliding window





# ANODIC Hardware

**NATURAL**

**INOX**

**GOLD**

En el catálogo de STAC existen diferentes productos que son susceptibles de ser **ANODIZADOS**.

Todos estos productos están señalados en el catálogo con el siguiente icono de acabado:

**ANODIC**

Este icono indica que un producto puede pedirse en cualquiera de los tres acabados anodizados:

|           |              |
|-----------|--------------|
| <b>81</b> | NATURAL MATE |
|           | INOX MATE    |
|           | ORO MATE     |

En las **referencias** estos tres acabados se corresponden con la terminación **81**.

**82** ACIER GRATA

Los **tiradores TAU** también están disponibles con el acabado anodizado **82**.

En los kits de oscilobatiente, el acabado anodizado depende de la cremóna.

Las referencias se generan añadiendo "**81**" como acabado. Y en caso particular de kits con las bisagras anodizadas es necesario indicar la mano: **D** (derecha) o **I** (izquierda)

|       |   |    |   |
|-------|---|----|---|
| S1132 | D | 81 | s |
|       | I |    |   |

The STAC catalogue contains various items which can be made with an **ANODIZED** finish.

These products are indicated in the catalogue with the following finish icon:

**ANODIC**

This icon indicates that a product can be ordered in any of the three anodized finishes:

|           |              |
|-----------|--------------|
| <b>81</b> | NATURAL MATT |
|           | INOX MATT    |
|           | MATT GOLD    |

In the **references**, these three finishes are indicated by the end code **81**.

**82** ACIER GRATA

**TAU pull handles** are also available in anodized finish **82**.







In the tilt-turn kits, the anodized finish depends on the hinges and crémone.

To create references for product with anodized finish, add "**81**" as the finish. In the specific case of anodized hinges it is necessary to indicate direction: **D** (right) or **I** (left):

|       |   |    |   |
|-------|---|----|---|
| S1132 | D | 81 | s |
|       | I |    |   |

A continuación se muestran las referencias de productos con acabado anodizado. Puede obtener más información en el capítulo correspondiente del Catálogo General de Herraje STAC. Las referencias anodizadas se generan añadiendo "81". En los kits de oscilobatiente, el acabado anodizado depende de las bisagras y de la cremone y en el caso particular de kits con las bisagras anodizadas es necesario indicar la mano.

Below you can see the references of products with anodized finish. Further information can be found in the relevant chapter of the STAC General Hardware Catalog. To create references for product with anodized finish, add "81" as the finish. In the tilt-turn kits, the anodized finish depends on the hinges and crémone and In the specific case of anodized hinges it is necessary to indicate direction.

| BISAGRAS HINGES   | REF.   | PÁGINA PAGE |   |    |    |   |  |    |
|---|--|-------------|---|----|----|---|--|----|
|  <p>BISAGRA ACRUX 2 PALAS<br/>ACRUX 2-LEAF HINGE</p>   | <table border="1"> <tr> <td>010</td> <td>D</td> <td>81</td> </tr> <tr> <td></td> <td>I</td> <td></td> </tr> </table>   | 010         | D | 81 |    | I |  | 24 |
| 010   | D  | 81          |   |    |    |   |  |    |
|   | I  |             |   |    |    |   |  |    |
|  <p>BISAGRA ACRUX 3 PALAS<br/>ACRUX 3-LEAF HINGE</p>  | <table border="1"> <tr> <td>P010</td> <td>D</td> <td>81</td> </tr> </table>  | P010        | D | 81 | 25 |   |  |    |
| P010  | D  | 81          |   |    |    |   |  |    |
|  <p>BISAGRA ARIES 2 PALAS fijación tradicional<br/>ARIES 2-LEAF HINGE traditional fixing</p> | <table border="1"> <tr> <td>010C2</td> <td>D</td> <td>81</td> </tr> <tr> <td></td> <td>I</td> <td></td> </tr> </table> | 010C2       | D | 81 |    | I |  | 28 |
| 010C2   | D  | 81          |   |    |    |   |  |    |
|   | I  |             |   |    |    |   |  |    |
|  <p>BISAGRA ARIES 2 PALAS fijación rápida<br/>ARIES 2-LEAF HINGE rapid fixing</p>            | <table border="1"> <tr> <td>010T2</td> <td>D</td> <td>81</td> </tr> <tr> <td></td> <td>I</td> <td></td> </tr> </table> | 010T2       | D | 81 |    | I |  | 30 |
| 010T2   | D  | 81          |   |    |    |   |  |    |
|   | I  |             |   |    |    |   |  |    |
|  <p>BISAGRA ARIES 3 PALAS fijación tradicional<br/>ARIES 3-LEAF HINGE traditional fixing</p> | <table border="1"> <tr> <td>010C3</td> <td>D</td> <td>81</td> </tr> <tr> <td></td> <td>I</td> <td></td> </tr> </table> | 010C3       | D | 81 |    | I |  | 29 |
| 010C3   | D  | 81          |   |    |    |   |  |    |
|   | I  |             |   |    |    |   |  |    |
|  <p>BISAGRA ARIES 3 PALAS fijación rápida<br/>ARIES 3-LEAF HINGE rapid fixing</p>            | <table border="1"> <tr> <td>010T3</td> <td>D</td> <td>81</td> </tr> <tr> <td></td> <td>I</td> <td></td> </tr> </table> | 010T3       | D | 81 |    | I |  | 31 |
| 010T3   | D  | 81          |   |    |    |   |  |    |
|   | I  |             |   |    |    |   |  |    |



**BISAGRA TAURUS**  
TAURUS HINGE

|      |   |    |
|------|---|----|
| A011 | D | 81 |
|      | I |    |

**36**



**BISAGRA HÉRCULES**  
HERCULES HINGE

|       |    |
|-------|----|
| B0170 | 81 |
|-------|----|

**38**



**BISAGRA CARINA 3ª**  
CARINA 3<sup>rd</sup> HINGE

|     |   |    |
|-----|---|----|
| 014 | D | 81 |
|-----|---|----|

**42**

**BISAGRA CARINA REGULABLE 3ª HOJA**  
ADJUSTABLE CARINA 3<sup>rd</sup> SASH HINGE

|     |   |    |   |
|-----|---|----|---|
| 014 | D | 81 | R |
|-----|---|----|---|

**42**

**BISAGRA CARINA 3ª HOJA CANAL CENTRADO**  
CARINA 3<sup>rd</sup> SASH HINGE CENTRAL GROOVE

|       |   |    |
|-------|---|----|
| A0107 | D | 81 |
|-------|---|----|

**44**



**BISAGRA CARINA 4ª**  
CARINA 4<sup>th</sup> SASH HINGE

|     |   |    |
|-----|---|----|
| 018 | D | 81 |
|     | I |    |

**43**

**BISAGRA CARINA 4ª CANAL CENTRADO**  
CARINA 4<sup>th</sup> CENTRAL GROOVE SASH HINGE

|       |   |    |
|-------|---|----|
| A0108 | D | 81 |
|-------|---|----|

**44**



**BISAGRA CARINA TAMIZ 3ª HOJA CANAL CENTRADO**  
CARINA TAMIZ 3<sup>rd</sup> SASH HINGE CENTRAL GROOVE

|       |   |    |
|-------|---|----|
| A0133 | D | 81 |
|       | I |    |

**45**

**BISAGRA CARINA TAMIZ 4ª HOJA CANAL CENTRADO**  
CARINA TAMIZ 4<sup>th</sup> SASH HINGE CENTRAL GROOVE

|       |   |    |
|-------|---|----|
| A0134 | D | 81 |
|       | I |    |

**45**









**BISAGRA NORMA FAST**  
NORMA FAST HINGE

|     |   |    |
|-----|---|----|
| 025 | D | 81 |
|     | I |    |

**46**






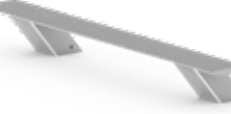
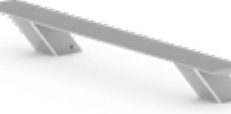







|   |  |       |    |    |
|---|--|-------|----|----|
|    | CREMONA SIRIUS PRACTICABLE DERECHA<br>RIGHT SIRIUS CREMONE CASEMENT                              | A0790 | 81 | 56 |
|   | CREMONA SIRIUS PRACTICABLE IZQUIERDA<br>LEFT SIRIUS CREMONE CASEMENT                             | A0791 | 81 | 56 |
|    | CREMONA SIRIUS PRACTICABLE A LA FRANCESA<br>SIRIUS FRENCH STYLE CASEMENT CREMONE                 | A0794 | 81 | 56 |
|   | CREMONA SIRIUS PRAC. A LA FRANCESA PALA LARGA<br>SIRIUS FRENCH STYLE CASEMENT CREMONE LONG LEVER | P0794 | 81 | 56 |
|   | CREMONA SIRIUS<br>SIRIUS CREMONE   | A1154 | 81 | 58 |
|   | CREMONA SIRIUS SIN FUNDA<br>SIRIUS CREMONE WITHOUT COVER   | A1157 | 81 | 58 |
|  | MANILLA POLARIS CLICK<br>POLARIS CLICK HANDLE  | S5771 | ** | 63 |
|   | MANILLA POLARIS APERTURA EXTERIOR<br>POLARIS HANDLE OUTWARD OPENING                              | S5775 | ** | 63 |
|  | MANILLÓN ATRIA CON CERRADURA<br>ATRIA PULL HANDLE WITH LOCK                                      | 2311  | 81 | 78 |
|   | MANILLÓN ATRIA CON CERRADURA JUEGO<br>ATRIA PULL HANDLE WITH LOCK SET                            | 2313  | 81 | 79 |
|  | MANILLÓN ATRIA<br>ATRIA PULL HANDLE  | 2312  | 81 | 78 |
|   | MANILLÓN ATRIA JUEGO<br>ATRIA PULL HANDLE SET  | 2314  | 81 | 79 |

**MANILLAS DE PUERTA DOOR HANDLES**

**REF.**

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|    | <p>MANILLA DE PUERTA POLARIS SIMPLE<br/>POLARIS DOOR HANDLE SIMPLE</p>                       | <p>05183 81</p>         | <p>93</p>  |
|    | <p>MANILLA DE PUERTA POLARIS JUEGO<br/>POLARIS DOOR HANDLE SET</p>                           | <p>05182 81</p>         | <p>93</p>  |
|    | <p>TIRADOR TAU RECTO + EMBELLECEDORES<br/>STRAIGHT TAU PULL HANDLE + COVERS</p>              | <p>052411 81<br/>82</p> | <p>101</p> |
|    | <p>TIRADOR TAU RECTO<br/>STRAIGHT TAU PULL HANDLE</p>  | <p>052421 81<br/>82</p> | <p>101</p> |
|    | <p>KIT DE EMBELLECEDORES RECTOS<br/>STRAIGHT COVER KIT</p>                                   | <p>052431 81<br/>82</p> | <p>101</p> |
|  | <p>TIRADOR TAU DESPLAZADO IZQ + EMBELLECEDORES<br/>OFFSET TAU PULL HANDLE LEFT + COVERS</p>  | <p>052412 81<br/>82</p> | <p>101</p> |
|  | <p>TIRADOR TAU DESPLAZADO IZQUIERDA<br/>OFFSET TAU PULL HANDLE LEFT</p>                      | <p>052422 81<br/>82</p> | <p>101</p> |
|  | <p>KIT DE EMBELLECEDORES IZQUIERDA<br/>LEFT COVER KIT</p>                                    | <p>052432 81<br/>82</p> | <p>101</p> |
|  | <p>TIRADOR TAU DESPLAZADO DER + EMBELLECEDORES<br/>OFFSET TAU PULL HANDLE RIGHT + COVERS</p> | <p>052413 81<br/>82</p> | <p>101</p> |
|  | <p>TIRADOR TAU DESPLAZADO IZQUIERDA<br/>OFFSET TAU PULL HANDLE RIGHT</p>                     | <p>052423 81<br/>82</p> | <p>101</p> |
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KIT DE BISAGRAS CLX PARA HOJA ACTIVA  
CLX HINGE KIT FOR ACTIVE SASH

|       |   |    |
|-------|---|----|
| T1113 | D | 81 |
|       | I |    |

125



KIT DE BISAGRAS CLX PARA HOJA PASIVA  
CLX HINGE KIT FOR PASSIVE SASH

|       |   |    |
|-------|---|----|
| T1114 | D | 81 |
|       | I |    |

125



KIT BASE OSCILOBATIENTE CIERRE AL INVERSOR SIN CREMONA  
TILT & TURN LOCKING TO INVERTER BASE KIT WITHOUT CREMONE

|       |   |    |
|-------|---|----|
| T1133 | D | 81 |
|       | I |    |

126



KIT BASE OSCILOBATIENTE CIERRE AL INVERSOR CREMONA SIRIUS  
TILT & TURN LOCKING TO INVERTER BASE KIT SIRIUS CREMONE

|       |   |    |   |
|-------|---|----|---|
| T1118 | D | 81 | s |
|       | I |    |   |

126



KIT BASE OSCILOBATIENTE MANIOBRA LÓGICA  
TILT-BEFORE-TURN KIT BASE

|       |   |    |
|-------|---|----|
| T1123 | D | 81 |
|       | I |    |

126



KIT BASE OSCILOBATIENTE CIERRE AL MARCO SIN CREMONA  
TILT & TURN LOCKING TO FRAME WITHOUT CREMONE

|       |   |    |
|-------|---|----|
| T1139 | D | 81 |
|       | I |    |

127



KIT BASE OSCILOBATIENTE CIERRA AL MARCO CREMONA SIRIUS  
TILT & TURN LOCKING TO FRAME SIRIUS CREMONE

|       |   |    |   |
|-------|---|----|---|
| T1132 | D | 81 | s |
|       | I |    |   |

127



KIT BASE OB CIERRE AL MARCO EVO-SECURITY SIN CREMONA  
EVO-SECURITY TILT & TURN LOCKING TO FRAME WITHOUT CREMONE

|       |   |    |
|-------|---|----|
| S1139 | D | 81 |
|       | I |    |

161



KIT BASE OB CIERRE AL MARCO EVO-SECURITY CREMONA SIRIUS  
EVO-SECURITY TILT & TURN LOCKING TO FRAME SIRIUS CREMONE

|       |   |    |   |
|-------|---|----|---|
| S1132 | D | 81 | s |
|       | I |    |   |

161



KIT BASE OB MANIOBRA LÓGICA EVO-SECURITY  
EVO-SECURITY TILT-BEFORE-TURN BASE KIT

|       |   |    |
|-------|---|----|
| S1123 | D | 81 |
|       | I |    |

162

**ABATIBLE Y PROYECTANTE** BOTTOM-HUNG & TOP-HUNG

**REF.**
**PÁGINA** PAGE

 MANILLA DE FACHADA PIVOTE 28,5MM DERECHA  
 FAÇADE HANDLE 28,5MM PIVOT RIGHT

|       |    |
|-------|----|
| A1511 | 81 |
|-------|----|

 MANILLA DE FACHADA PIVOTE 28,5MM IZQUIERDA  
 FAÇADE HANDLE 28,5MM PIVOT LEFT

|       |    |
|-------|----|
| A1512 | 81 |
|-------|----|

 MANILLA DE FACHADA PIVOTE 32MM DERECHA  
 FAÇADE HANDLE 32MM PIVOT RIGHT

|       |    |
|-------|----|
| A1521 | 81 |
|-------|----|

 MANILLA DE FACHADA PIVOTE 32MM IZQUIERDA  
 FAÇADE HANDLE 32MM PIVOT LEFT

|       |    |
|-------|----|
| A1522 | 81 |
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**205**
**CORREDERA** SLIDING WINDOW

**REF.**
**PÁGINA** PAGE

 CIERRE DE EMBUTIR TITÁN SIN LLAVE  
 TITAN RECESSED HANDLE WITHOUT LOCK

|        |    |
|--------|----|
| 034000 | 81 |
|--------|----|

 CIERRE DE EMBUTIR TITÁN CON LLAVE  
 TITAN RECESSED HANDLE WITH LOCK

|        |    |
|--------|----|
| 034100 | 81 |
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**253**

 CIERRE DE EMBUTIR FÉNIX AUTOMÁTICO  
 FENIX AUTOMATIC RECESSED HANDLE

|        |    |
|--------|----|
| 032000 | 81 |
|--------|----|

 CIERRE DE EMBUTIR FÉNIX MANUAL  
 FENIX MANUAL RECESSED HANDLE

|        |    |   |
|--------|----|---|
| 032000 | 81 | C |
|--------|----|---|

**256**

 CIERRE DE EMBUTIR FÉNIX MINI  
 FENIX MINI RECESSED HANDLE

|        |    |
|--------|----|
| A03300 | 81 |
|--------|----|

**258**

 CIERRE DE EMBUTIR DRACO MAX AUTOMÁTICO  
 DRACO MAX AUTOMATIC RECESSED HANDLE

|        |    |
|--------|----|
| 031000 | 81 |
|--------|----|

 CIERRE DE EMBUTIR DRACO MAX MANUAL  
 DRACO MAX MANUAL RECESSED HANDLE

|        |    |   |
|--------|----|---|
| 031000 | 81 | C |
|--------|----|---|

**260**

 CIERRE DE EMBUTIR DRACO LINE AUTOMÁTICO  
 DRACO LINE AUTOMATIC RECESSED HANDLE

|        |    |
|--------|----|
| 030000 | 81 |
|--------|----|

 CIERRE DE EMBUTIR DRACO LINE MANUAL  
 DRACO LINE MANUAL RECESSED HANDLE

|        |    |   |
|--------|----|---|
| 030000 | 81 | C |
|--------|----|---|

**260**



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