



NATIONAL ALUMINIUM
PRODUCTS COMPANY SAOG

NAPCO
Hardware & Accessories



01-2021-V.01

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About Us

National Aluminium Products Company SAOG (NAPCO) was established in 1984 and is one of the leading extruders of aluminium profiles in the GCC market. Located in the Sultanate of Oman, the manufacturing plant is spread over 65,000 sq meters in the Rusayl Industrial estate.

NAPCO offers a wide range of Aluminium profile extrusions in finishes that suit functional modern design specifications. The company has left its mark on the architectural landscape of the Middle East with its renowned quality products being used in a number of prominent structures.

Our annual production capacity is 42,000 MT with four (4) state of the art presses. The extrusion presses are complemented by one anodizing line and two powder coating lines (vertical & horizontal). NAPCO also houses two wood finish lines and a crimping and bending facility.

NAPCO's commitment to quality has made it the first extrusion company in the Gulf to receive ISO certifications. We are also the only public limited aluminium extrusion company in the entire GCC.

With a consistent focus on innovative production skills and high service standards, we will continue our objective to meet customer demands and expectations.

Technical Information on Aluminium extrusions supplied by NAPCO

A. Equipment & Capacity

Extrusion Press: 4

2000 MT (8') SMS Germany

2800 MT (9') Danieli Breda, Italy

1800 MT (7') Tecalex, Spain

1800 MT (7') Tecalex, Spain

Powder Coating Plant: 2

Horizontal Type, Ercon, UK

Vertical Type, Trasmetal, Italy

Anodizing Line: 1

SAS, Germany

Wood Finish: 2 NATURALL, Italy.

Crimping & Bending Facility.

• Current Capacity Per Annum

Extrusion: 42,000

Powder Coating: 27,000

Anodizing: 2,400

Wood Finish: 1,500

B. General Specification

Max profile size CCD 305mm

(*indicative size)

C. Product Range

NAPCO offers a range of over 6000 profiles to suit the architectural and manufacturing industry. NAPCO also develops exclusive dies for customers against their own designs.

• Aluminium extrusions in:

Mill Finish

Anodized

Powder Coated and Natural Wood Finish

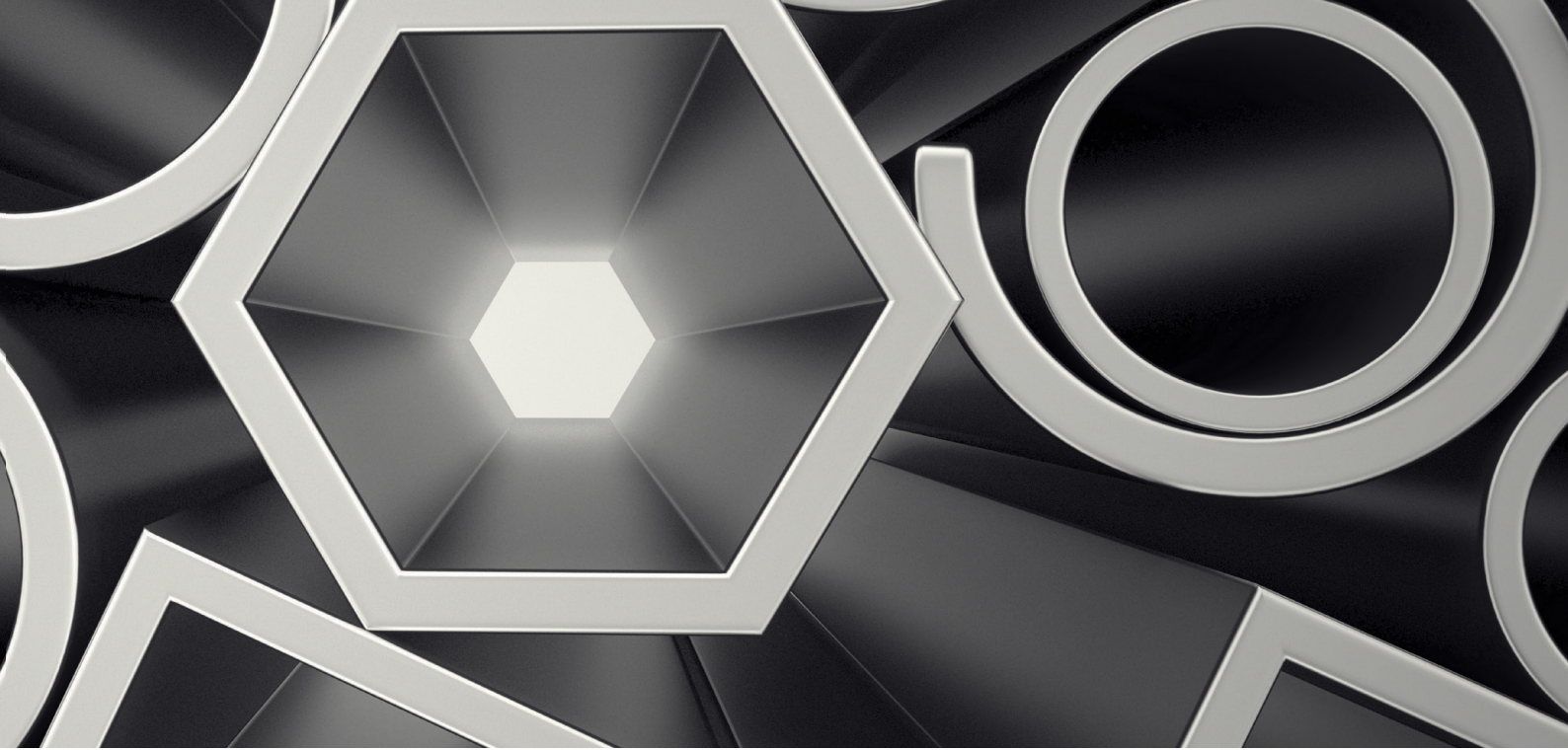
• Façade Systems:

NAPCO is in partnership with world renowned façade system houses in the GCC. Please contact us to discuss your best-fit solution.

D. Anodizing

NAPCO has one anodizing line employing sulphuric acid anodizing process offering a wide range of colour shades such as Silver, Bronze and Black with scope of development of other shades to suit customer requirements.

Specifications: DC Sulphuric Acid Anodizin
As per EN 1 - 12373 and BS 1991 3987
Qualanod Approved



E: Powder Coating

NAPCO has two powder coating lines (horizontal & Vertical) with IR curing ovens. The colour coat thickness in exposed areas is Around 80-60 microns. The new vertical line is able to accommodate profile lengths up to 8 meters.

Qualicoat Approved.

Natural finish is available in seven combinations of Wood patterns.

Specification: As per 6496

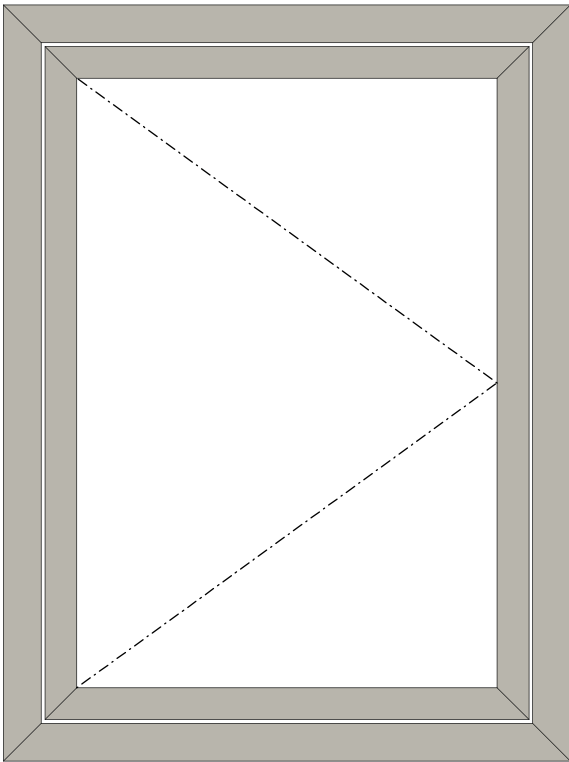
F. Certifications






WINDOW SERIES



Window Single Sash Open In



Window Single Sash Open In / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|--------|-------------------------------|
|  | 00120U | Flash base hinged for windows |
|  | 00957 | Kora Cremone |
|  | 02270 | Kit For Two-Way Sash Closing |

Flash Base Hinges

Functions

Two-handed hinge for aluminium casement window and door fixtures with central gasket seal.

Technical Features

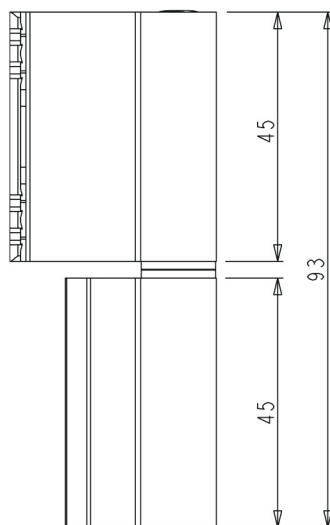
Supplied preassembled to enable fast installation and faultless positioning of the hinge on already assembled fixtures. Special fixing plates, preassembled with the hinge bodies (NAPCO RAPID system), enable fast installation and faultless positioning of the hinge on already assembled fixtures. The FLASH BASE hinge is fitted extremely quickly to the sash and frame, even when the fixture has already been assembled. The particular geometry of the hinge and of the plate enables swift and simple application to the already assembled fixture, and faultless positioning of the hinge when fixing the screws. Hinges 00120 00122 00123 00128 and 00259 are certified to EN1935:2002 and classified for windows typified by average intensity of use (use category 2* - average use) with high resistance to fatigue and wear (durability grade 7* -200,000 test cycles). * Complies with EN 1935

Materials

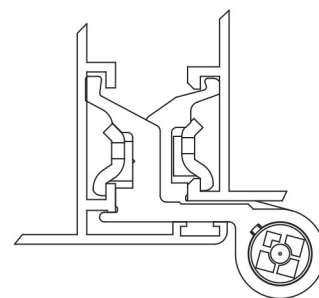
Extruded aluminium hinge bodies
Stainless steel pin, screws and fixing plates
Polyamide bushes

Capacities

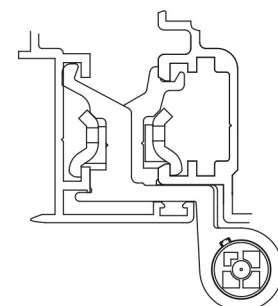
With 2 FLASH BASE hinges: 75 kg
With 3 FLASH BASE hinges: 85 kg
assuming fixtures of 2000 mm height and 1000 mm width.



Side profile cross-section



third sash cross-section



Kora Cremone

Functions

Reversible cremone handle for operating the NAPCO Sash, Tilt-and-Turn Window and Tilt-and-Turn Window with Microventilation mechanisms.

Technical Features

The use of high quality die-cast materials and the NAPCO painting system guarantee excellent mechanical performance, together with colour uniformity and good abrasion resistance.

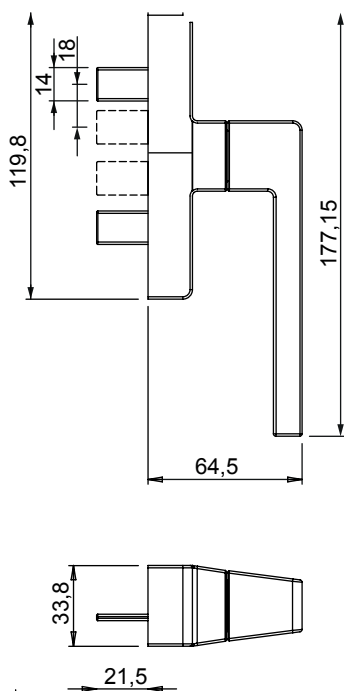
The Kora cremone has a fixing C/C distance of 104 mm and 92 mm, but can be easily adapted for fixing with a C/C distance of 84 and 98 mm.

Materials

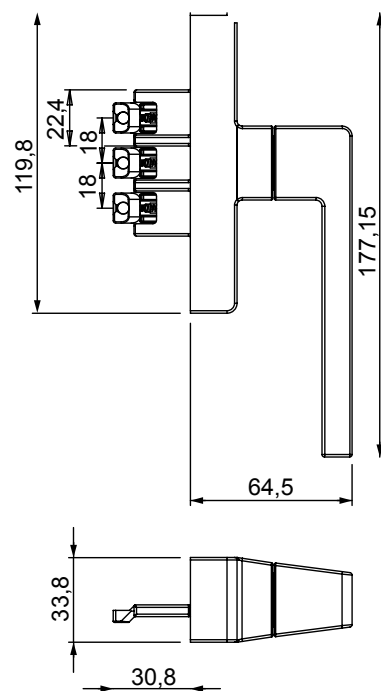
Handle in die-cast aluminium
 Cremone case, gear racks in die-cast zamak
 Internal sheath and Hostaform plate
 Steel spring
 Stainless steel screws and fixing plate



Overall dimensions of cremone for sash



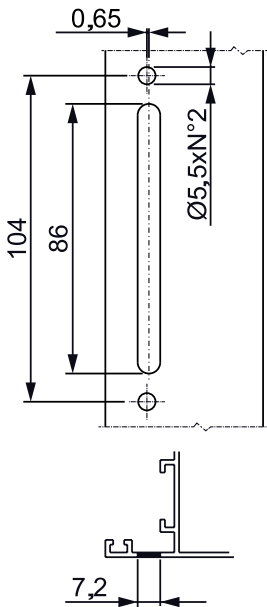
Overall dimensions of cremone for tilt-and-turn



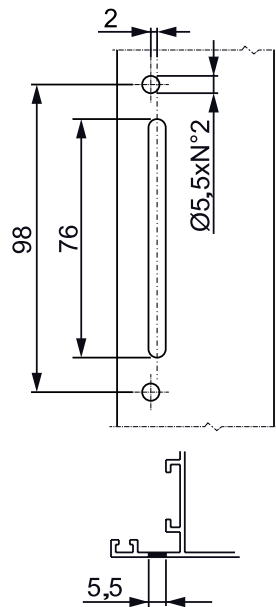
Window Single Sash Open In

Kora Cremone

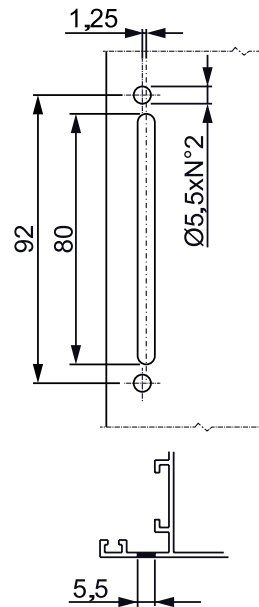
C/C distance machining 104 mm



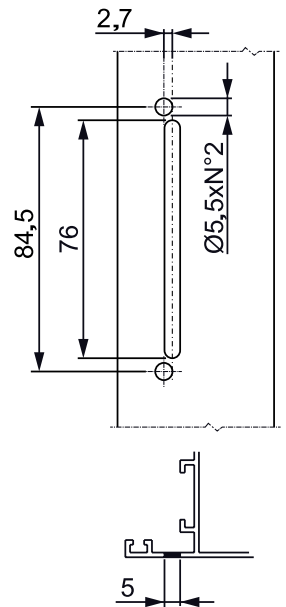
C/C distance machining 98 mm



C/C distance machining 92 mm



C/C distance machining 84.5 mm



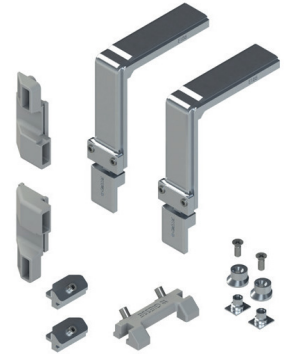
Kit For Two-Way Sash Closing

Functions

Two-way sash fastening mechanism. For use on casements that require side-hung sash opening.

Technical Features

The sash fastening mechanism is available in different versions: fastening by pawls, fastening by Giap terminals, fastening by adjustable terminals and perimeter fastening by corner drives. The fastening mechanism is to be in addition to the Euro or Prima Cremonese and the Flash Base hinges.

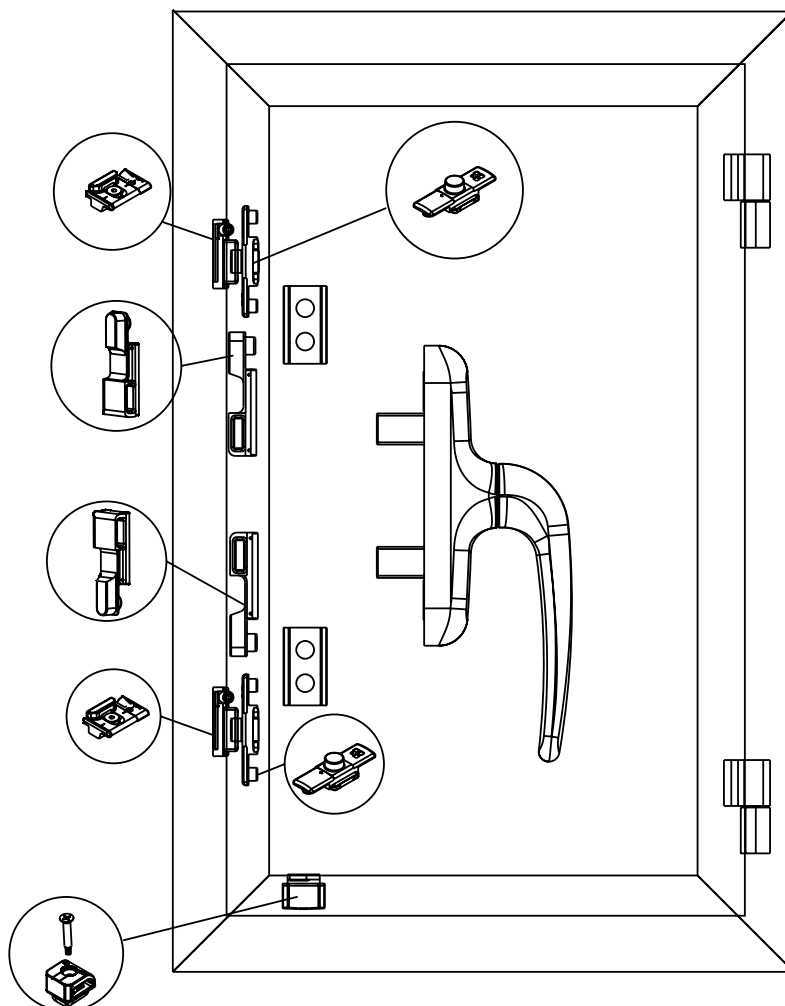


Materials

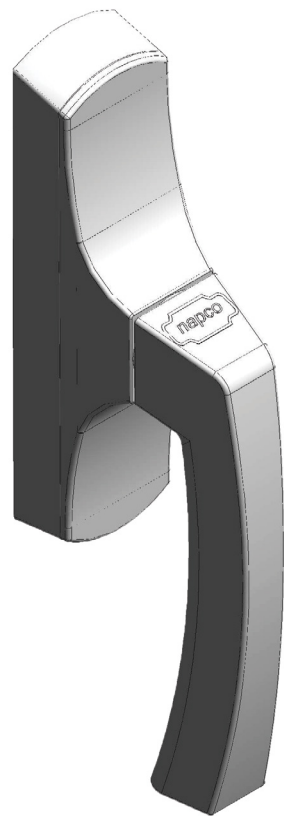
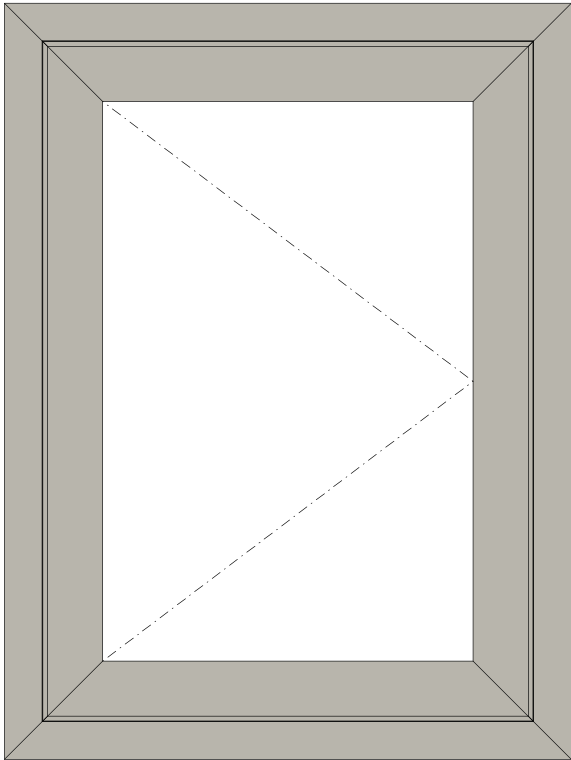
Connecting blocks and raiser made of polyamide

Zamak fastening mechanism components

Screws and grub screws in stainless steel

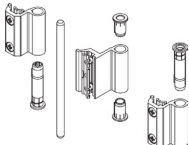

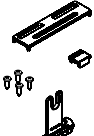
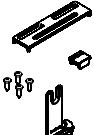

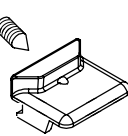




WINDOW SINGLE SASH OPEN OUT



Window Single Sash Open Out

Window Single Sash Open Out / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|--------|---------------------------------------|
|  | 00115U | Flash base 3 wing hinges |
|  | 01401 | Asia plus outward open cremone |
|  | 02028 | External opening Kit 45mm / for N45 |
|  | 02029 | External opening Kit 55mm / for Cloud |
|  | 04099 | Pull device |
|  | 01343 | Adjustable striker |
|  | 04030 | Adjustable pawl |
|  | 02030 | Friz limit arm (optional) |

Window Single Sash Open Out

Flash Base 3 Wing Hinges

Functions

RH/LH hinge for aluminium frame open joint doors and windows. It features the same reliability and precision as conventional NAPCO hinges and is fitted to the frame extremely quickly, even if the frame has already been assembled.

Technical Features

FLASH BASE hinges are supplied ready assembled and feature the NAPCO-RAPID fixing system. The special shape of the hinge and fixing plate makes for practical and rapid installation on pre-assembled frames and ensures the hinge remains correctly positioned while the screws are tightened.

Materials

Hinge in extruded aluminium
 Stainless steel pin, screws and plates
 Black nylon bushes
 Load Capacities (side-hung or bottom-hung)
 85 kg with 2 hinges FLASH BASE 3 leaves
 100 kg with 3 hinges
 Considering frames with a height of 2000 mm and width of 1000 mm.

Parts

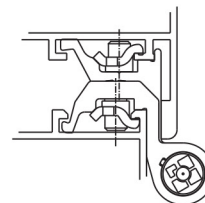
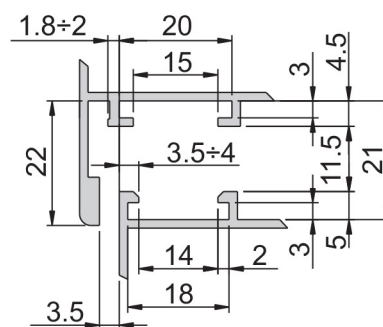
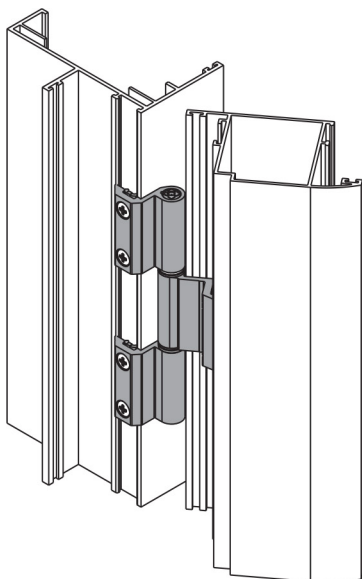
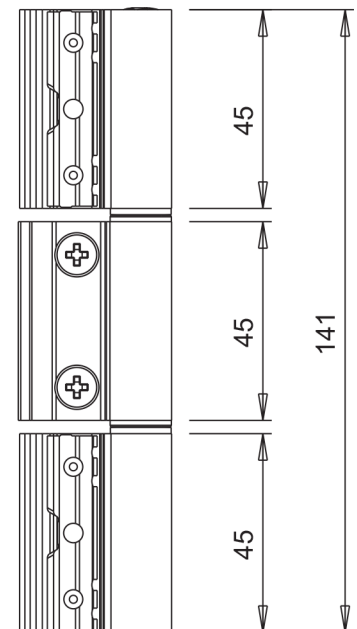
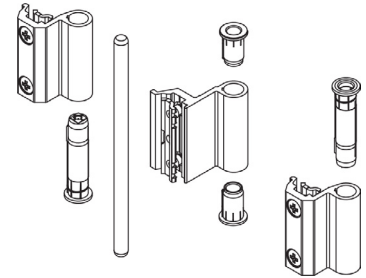
Instructions sheet

Finish

Natural, Anodized silver and bronze with barrel polish and polished gold, ElettroNAPCO 5/9, Painted in RAL colours.

Packing

Box of 20 pieces



Asia Plus Outward Open Cremone

Functions

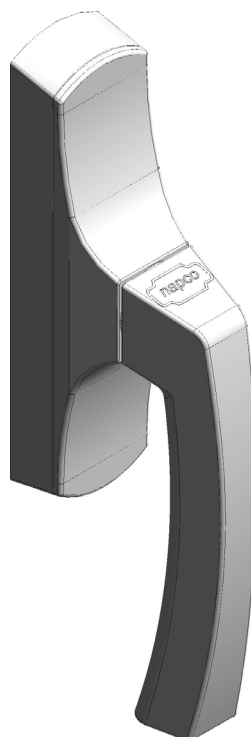
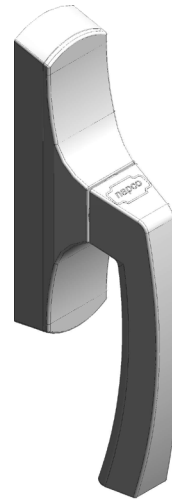
Cremone with no internal components. Depending on need, it can be transformed into a Cremone for inward opening, outward opening casement or tilt-and-turn by using the specific kits (also supplied complete with the lock points).

Technical Features

The UNICA cremone mechanism is available in different versions and is supplied without the internal parts. The procedure for mounting them, contained in the customization kit, is for the window maker, but is quick and straightforward. All Unica cremones have a fixing C/C distance of 104 mm.

Materials

Handle in die-cast aluminium
Cases and gear in die-cast zamak
Steel spring
Zinc plated steel screw
Shim in Hostaform



Window Single Sash Open Out

External Opening Kit 45mm / For N45

Functions

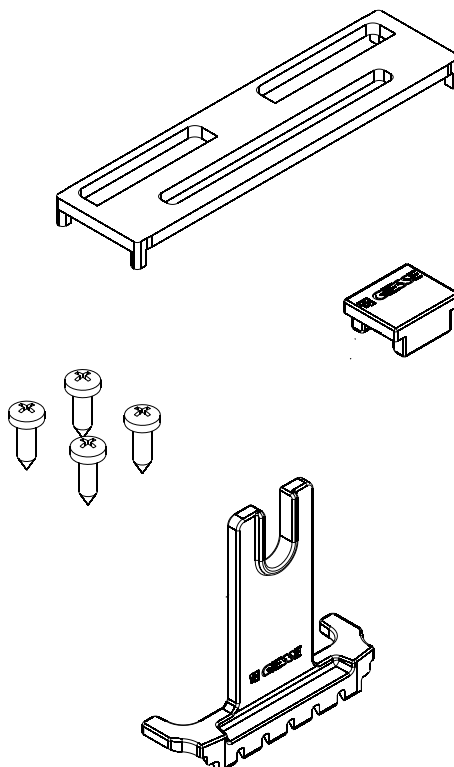
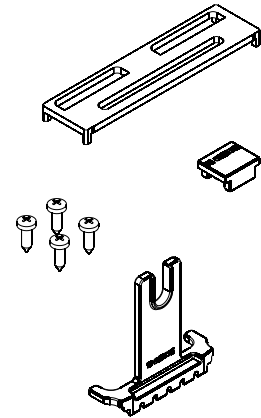
Components that, added to the Unica Cremona without internal components, enable converting them into the finished product.

Technical Features

Completion kit that, in combination with the Unica mechanism, enables creating a finished cremone (sash, tilt-and-turn window, etc.). Composed of the internal components and any fixing components (screws and plate), it must be suitably mounted by the window maker. After the assembly phase the cremone is ready to be installed. The method of assembly of the kit is adequately explained in the fitting instructions.

Materials

Black polyamide plate (zinc plated steel for tilt-and-turn window version)
Sliders and Racks in zinc plated die-cast zamak
Stainless steel screws and fixing plate



Window Single Sash Open Out

External opening Kit 55mm / for Cloud 60 & 55

Functions

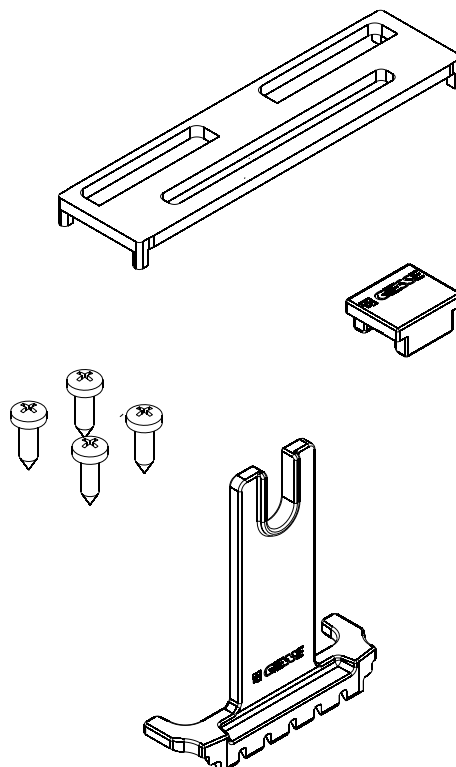
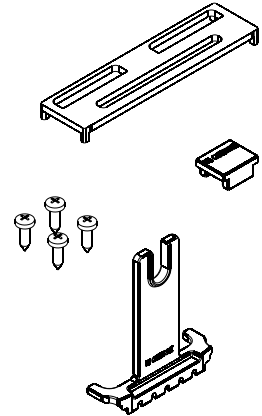
Components that, added to the Unica Cremone without internal components, enable converting them into the finished product.

Technical Features

Completion kit that, in combination with the Unica mechanism, enables creating a finished cremone (sash, tilt-and-turn window, etc.). Composed of the internal components and any fixing components (screws and plate), it must be suitably mounted by the window maker. After the assembly phase the cremone is ready to be installed. The method of assembly of the kit is adequately explained in the fitting instructions.

Materials

Black polyamide plate (zinc plated steel for tilt-and-turn window version)
Sliders and Racks in zinc plated die-cast zamak
Stainless steel screws and fixing plate



Pull Device

Functions

Components for connecting the one-way cremones to the connection rods of the window.

Technical Features

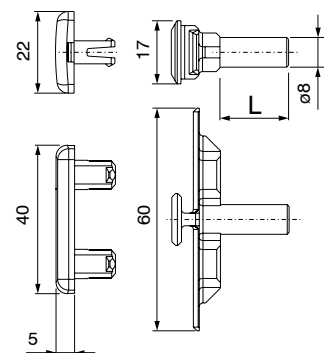
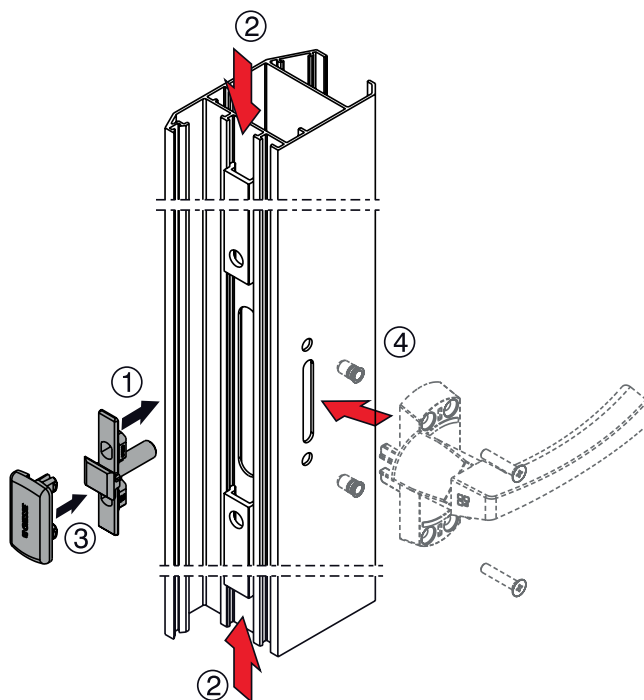
It is used to connect the cremones with one-way movement (in pre-assembled or disassembled versions) to the closing rod of an aluminium window. This generally concerns Shutter-type outward or Side Hung openings. The NAPCO patented rod pull device has a pin of diameter 8 mm of different lengths depending on the article.



Materials

Driving pin in zamak

Rod joining plug in black polyamide



Adjustable Striker

Functions

Specific striker for use with Adjustable Fastening (art. 04030).
Finish: Natural / Packing: Box of 200 units

Technical Features

Specific part for subframes or meeting stiles with 14/18 mm channels or similar.

The contrast grub screw ensures the striker is secured firmly to the frame.

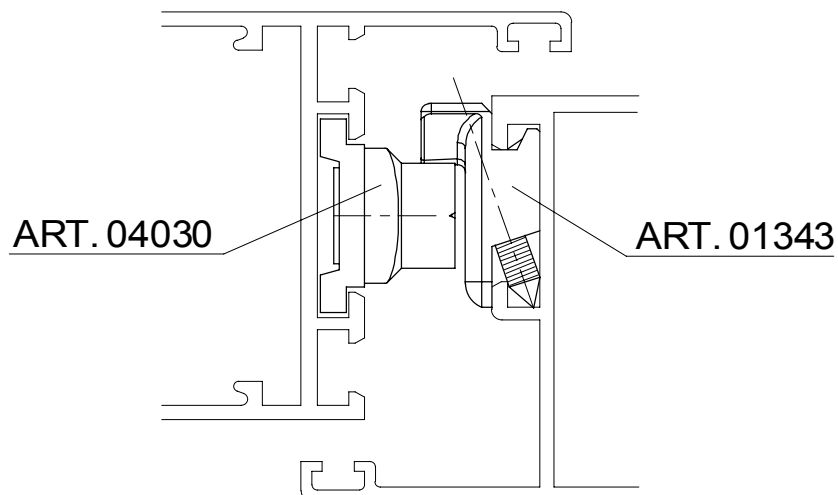
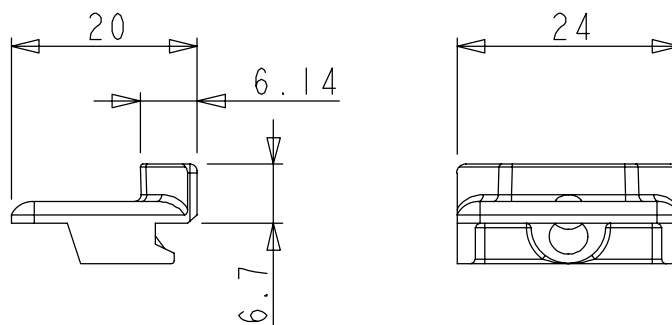
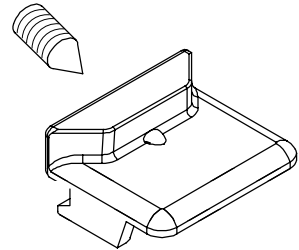
Parts

M4x10 grub screw

Materials

GS 500 Zamak body

Stainless steel grub screw



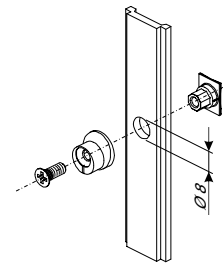
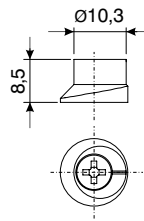
Adjustable Pawl

Functions

Pawl to be combined with a striker, required to create a locking point.



04030K



Window Single Sash Open Out

Friz limit arm (optional)

Functions

Accessory utilised to limit opening of the sash when movement of the sash is restricted by obstacles such as uprights or walls.

Technical Features

Sliding plate friction adjustable with a screw. Mounts to side-hung and tilt-and-turn casements with minimum dimension $L = 450$ mm. As a pair, it may be used as a retainer arm for very heavy bottom-hung windows.

Equipped with a spring-loaded manual quick release.

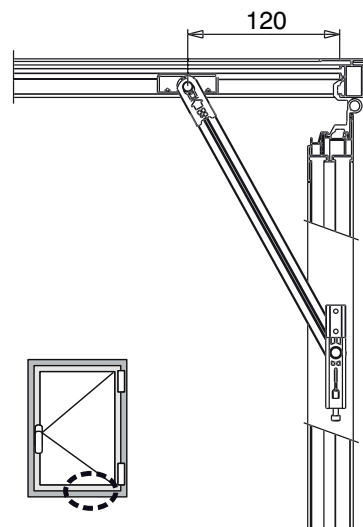
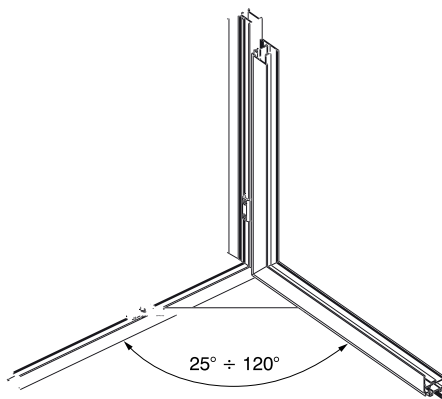
Stop plate fitted with two grub screws to prevent slippage.



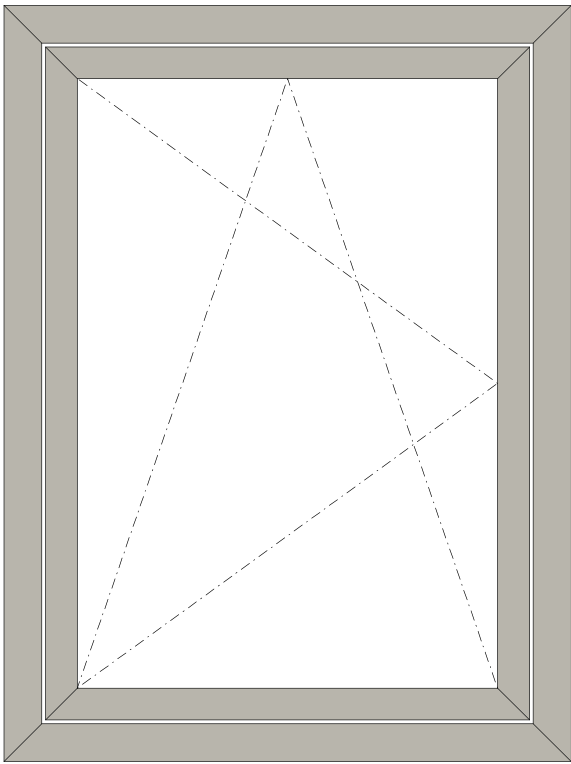
Materials

Fixing plate in zamak with GS Silver Plus finish (up to 500 h corrosion resistance) Rod and stop plate made of pre-oxidised extruded aluminium.

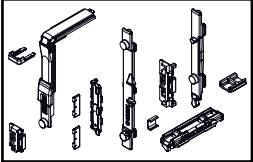
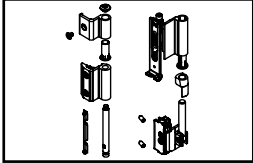
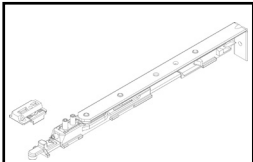
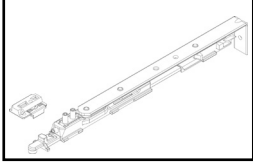

Polyamide frictioning plate Pins, screws, grub screws and release in stainless steel.



TILIT & TURN WINDOW 80 KG



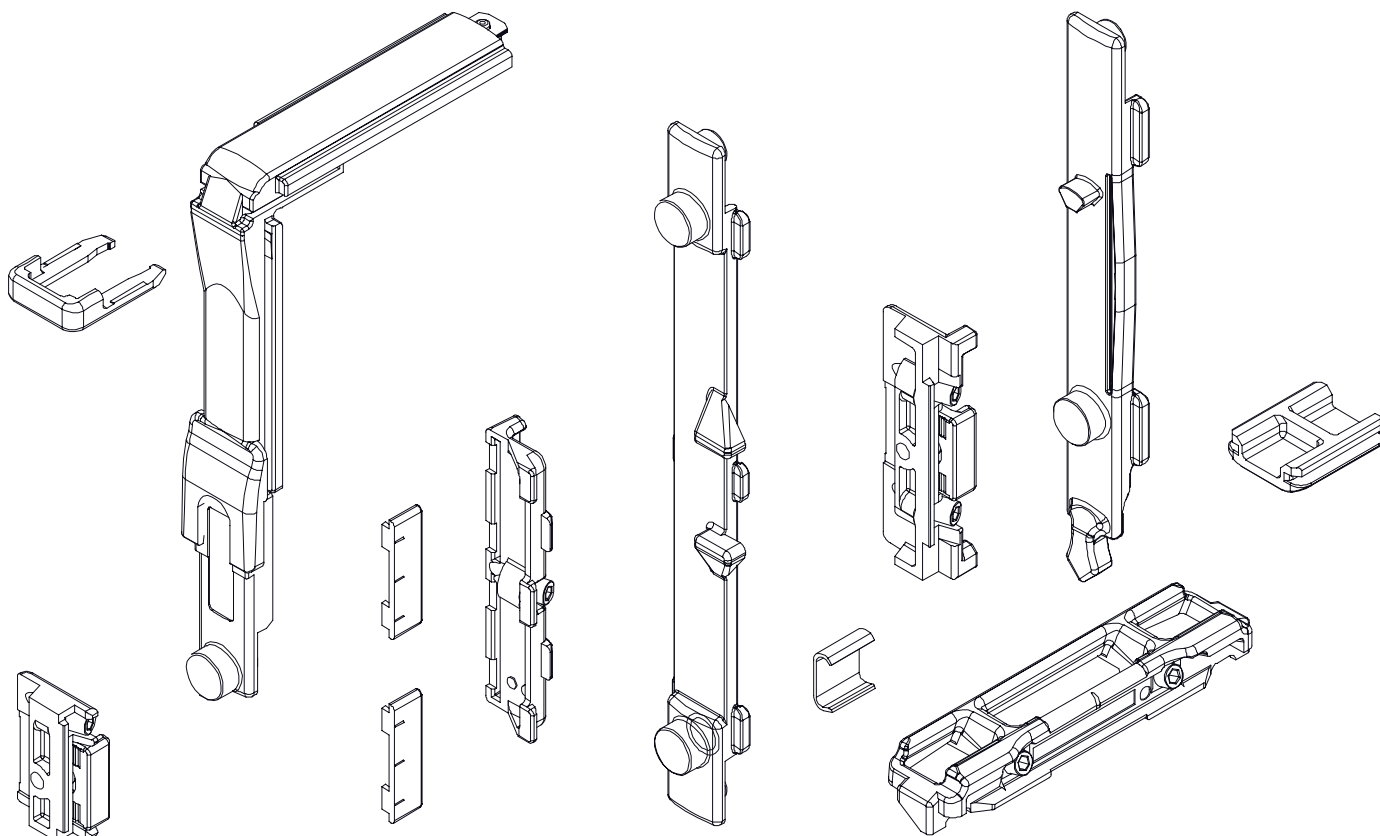
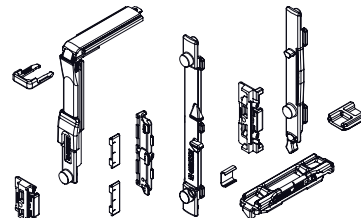
Tilt & Turn Window 80 kg / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|-------|---|
|  | 04704 | Tilt & Turn Locking Mechanism |
|  | 04739 | Classic Tilt/Turn Hinge 80kg |
|  | 04339 | Arm T1 Classic Microventilation 80kg (option 1 for width less than 410mm) |
|  | 04340 | Arm T2 Classic Microventilation 80kg (option 2 for width more than 1300mm) |
|  | 00959 | KORA Cremone T/T Microventilation |

Tilt & Turn Locking Mechanism

Functions

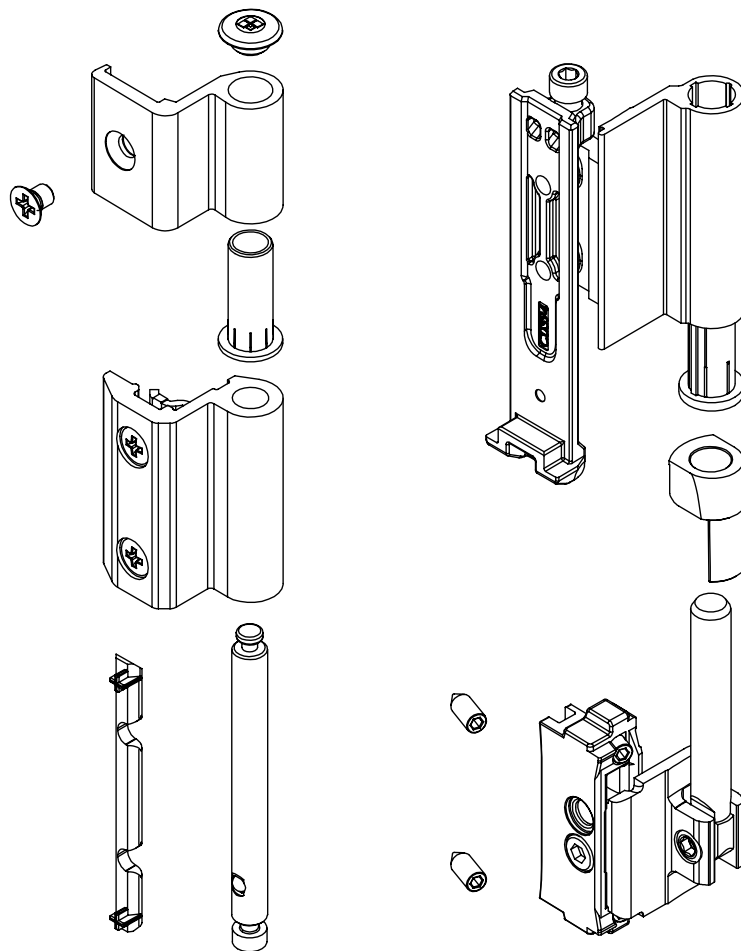
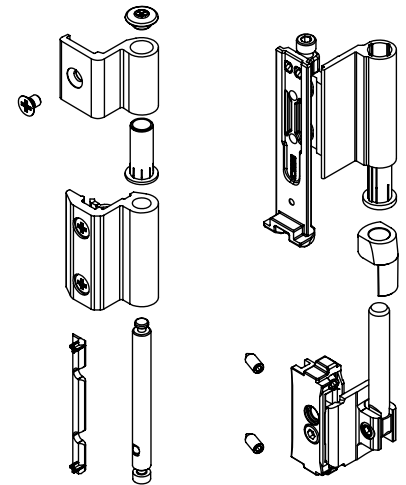
Tilt-and-Turn fastening mechanisms for cremone, window handle and NP SUPRA window handle, available in the Standard and Logica versions. Drive, drive rod, mechanism bolt tip and strikers in zamak with GS Silver Plus finish (up to 500 h of corrosion resistance). Screws and grub screws in stainless steel. Polyamide raiser.



Classic Tilt/Turn Hinge 80kg

Functions

Hinge set (upper and lower), completely pre-assembled and ready to be installed on the profile. Extruded aluminium hinge body. Supports in zamak with GS Silver Plus finish (up to 500 hr corrosion resistance). Pins, screws and grub screws in stainless steel.

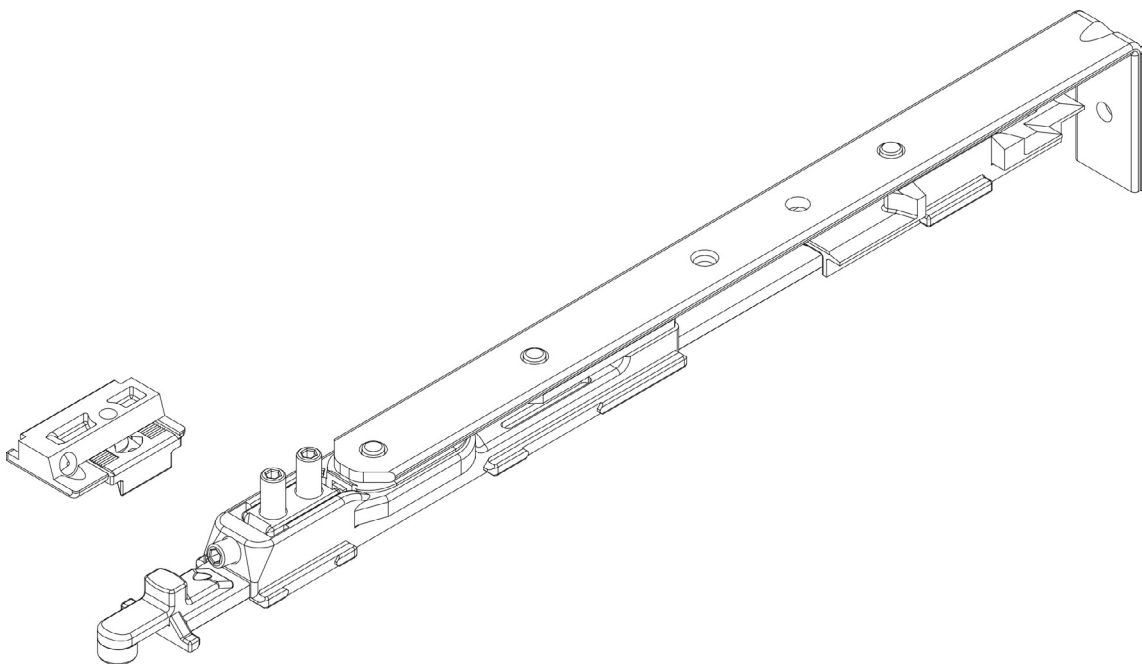
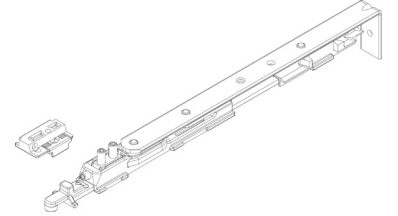


| Item code | Description | PROFILE CROSS - SECTION | Base Raw | Anodised Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|---------------------|-------------------------|----------|---------------|---------|------------------|-----------------|
| 04739 | HINGET/T CLASSIC 80 | C001-C002-C003-C005 | XX | | X1 | | 0 |

Arm T1 Classic Microventilation 80kg (option 1 for width less than 410mm)

Functions

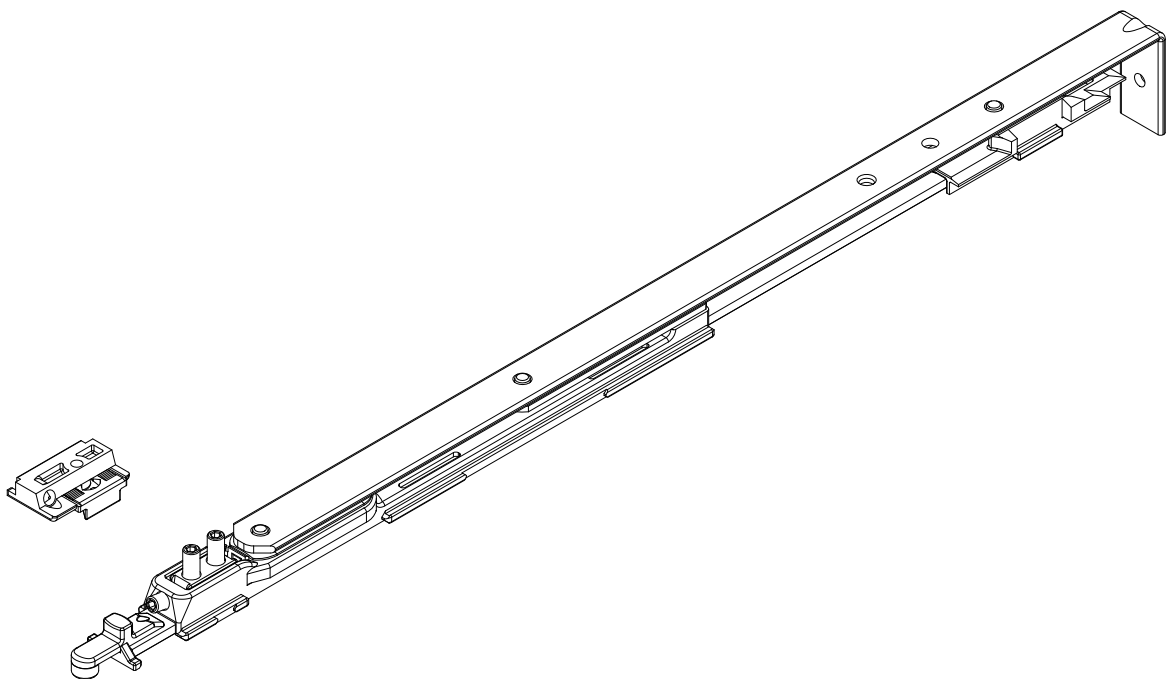
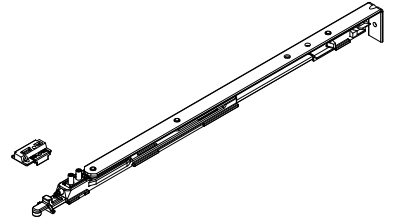
They enable tilt-and-turn opening in conjunction with the mechanisms and are available in three versions (standard, microventilation and logic). Body, fixing block and slider in zamak with GS Silver Plus finish (up to 500 h of corrosion resistance). Rod, connecting bracket, grub screws and screws in stainless steel. Stop disk in polyamide.



Arm T2 Classic Microventilation 80kg (option 2 for width more than 1300mm)

Functions

They enable tilt-and-turn opening in conjunction with the mechanisms and are available in three versions (standard, microventilation and logic). Body, fixing block and slider in zamak with GS Silver Plus finish (up to 500 h of corrosion resistance). Rod, connecting bracket, grub screws and screws in stainless steel. Stop disk in polyamide.



Classic Tilt/Turn Hinge 80kg

Functions

Reversible cremone handle for operating the NAPCO Sash, Tilt-and-Turn Window and Tilt-and-Turn Window with Microventilation mechanisms.

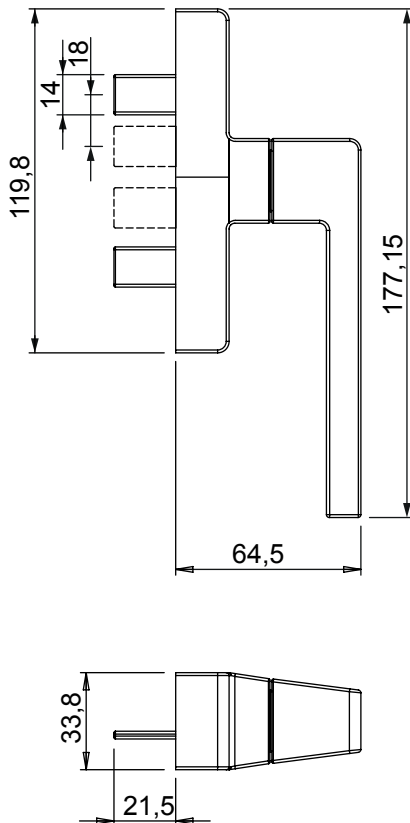
Technical Features

The use of high quality die-cast materials and the NAPCO painting system guarantee excellent mechanical performance, together with colour uniformity and good abrasion resistance. The Kora cremone has a fixing C/C distance of 104 mm and 92 mm, but can be easily adapted for fixing with a C/C distance of 84 and 98 mm.

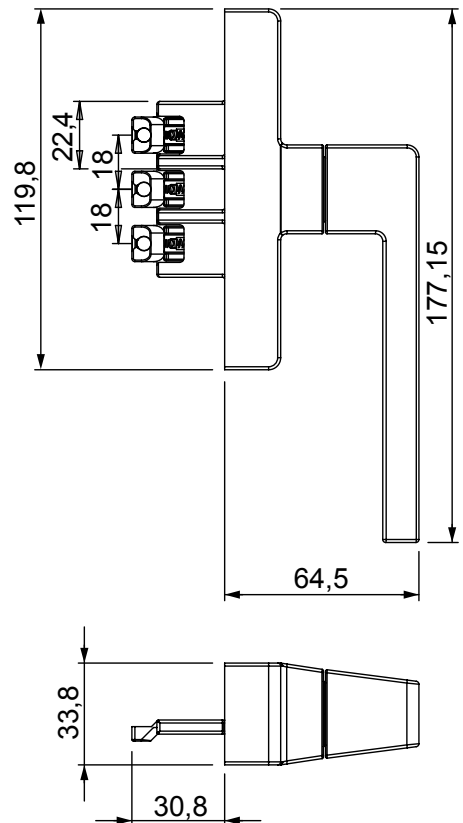
Materials

- Handle in die-cast aluminium
- Cremone case, gear racks in die-cast zamak
- Internal sheath and Hostaform plate
- Steel spring
- Stainless steel screws and fixing plate

Overall dimensions of cremone for sash

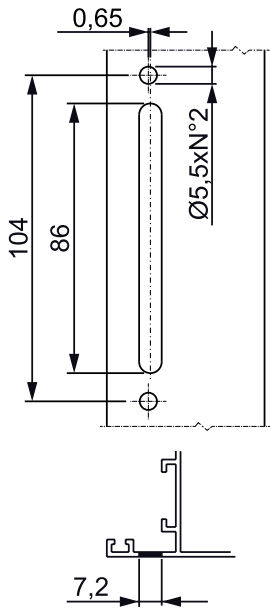


Overall dimensions of cremone for tilt-and-turn

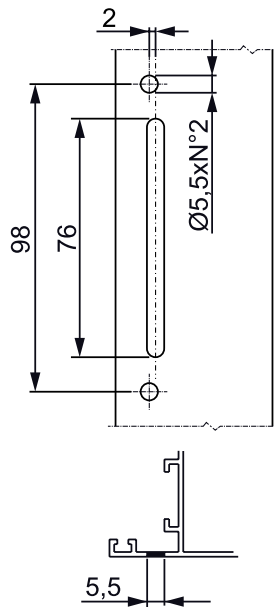


Classic Tilt/Turn Hinge 80kg

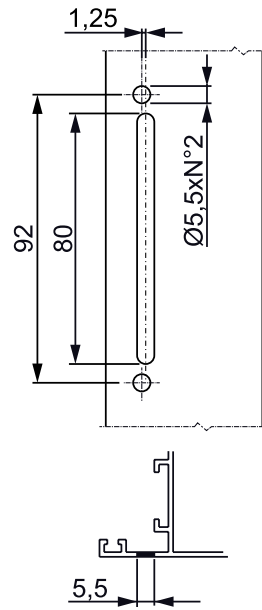
C/C distance machining 104 mm



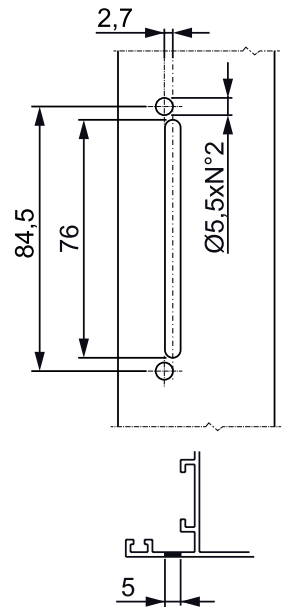
C/C distance machining 98 mm



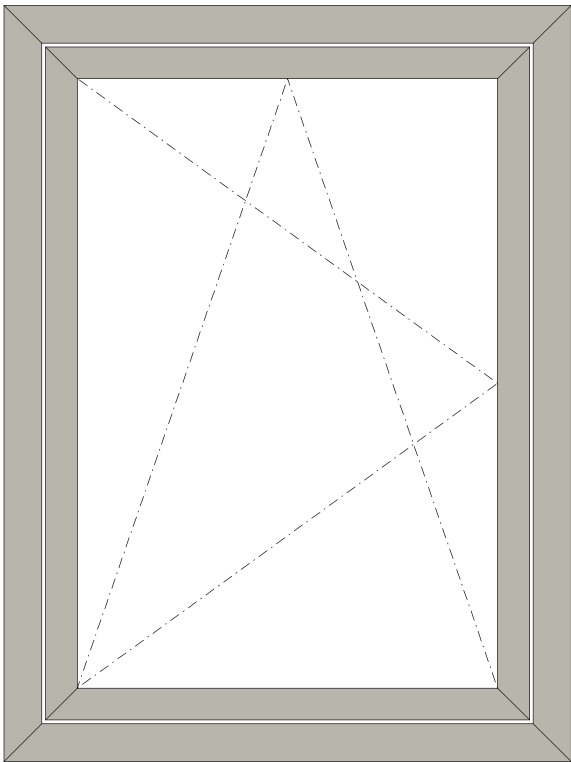
C/C distance machining 92 mm



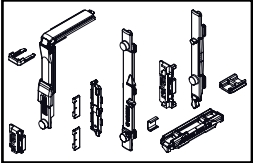

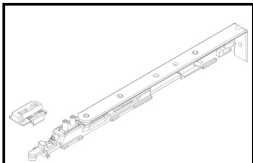
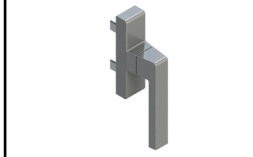
C/C distance machining 84.5 mm



TILIT & TURN WINDOW 130 KG



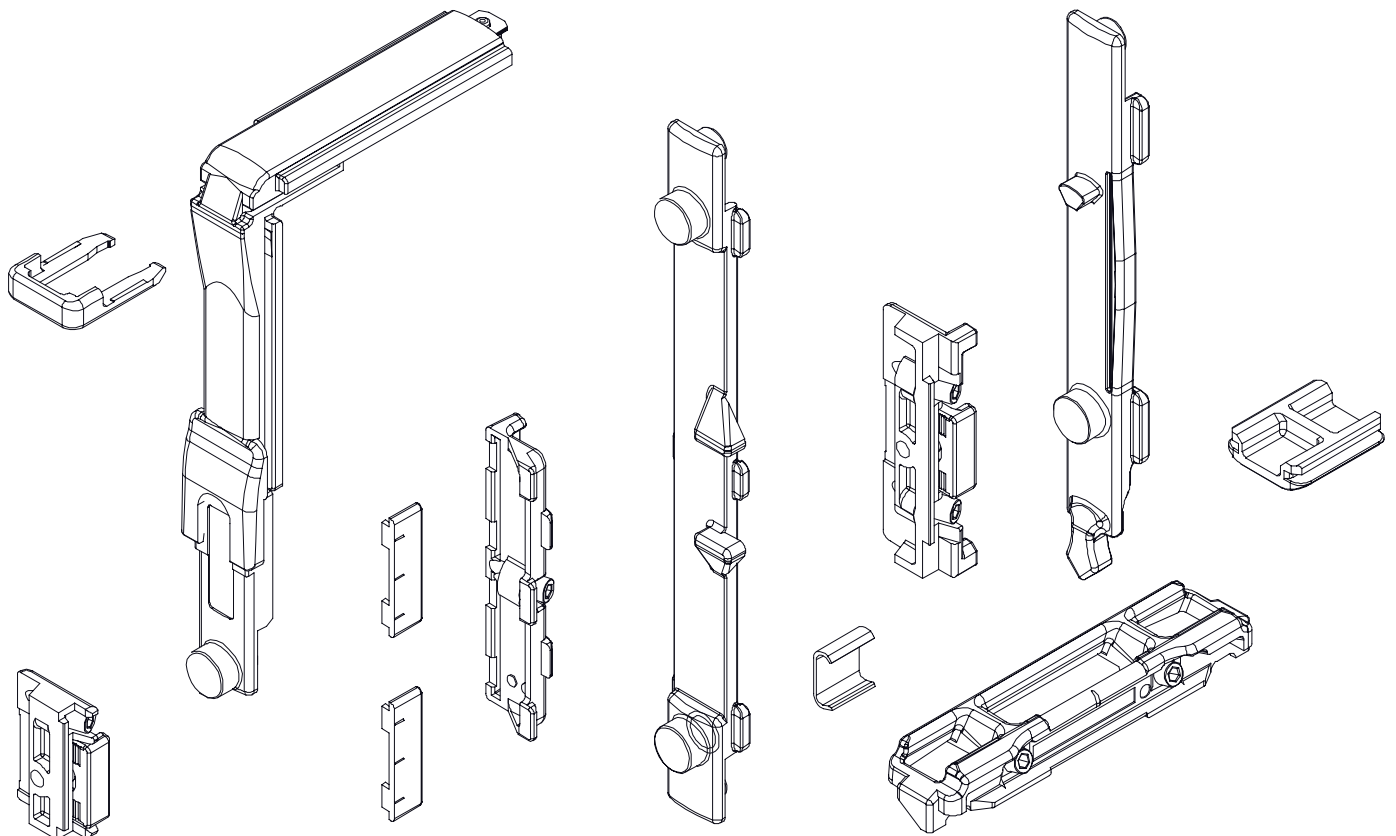
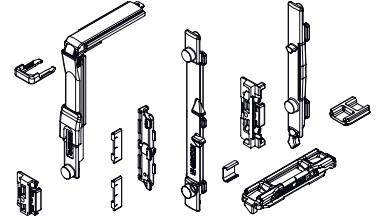
Tilt & Turn Window 130 kg / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|------------------------------------|--|
|  | <p align="center">04704</p> | <p align="center">Tilt & Turn Locking Mechanism</p> |
|  | <p align="center">04711</p> | <p align="center">Futura T/T Hinge 130</p> |
|  | <p align="center">04285</p> | <p align="center">Arm T2 130 With Microventilation</p> |
|  | <p align="center">00959</p> | <p align="center">KORA Cremone T/T Microventilation</p> |

Tilt & Turn Locking Mechanism

Functions

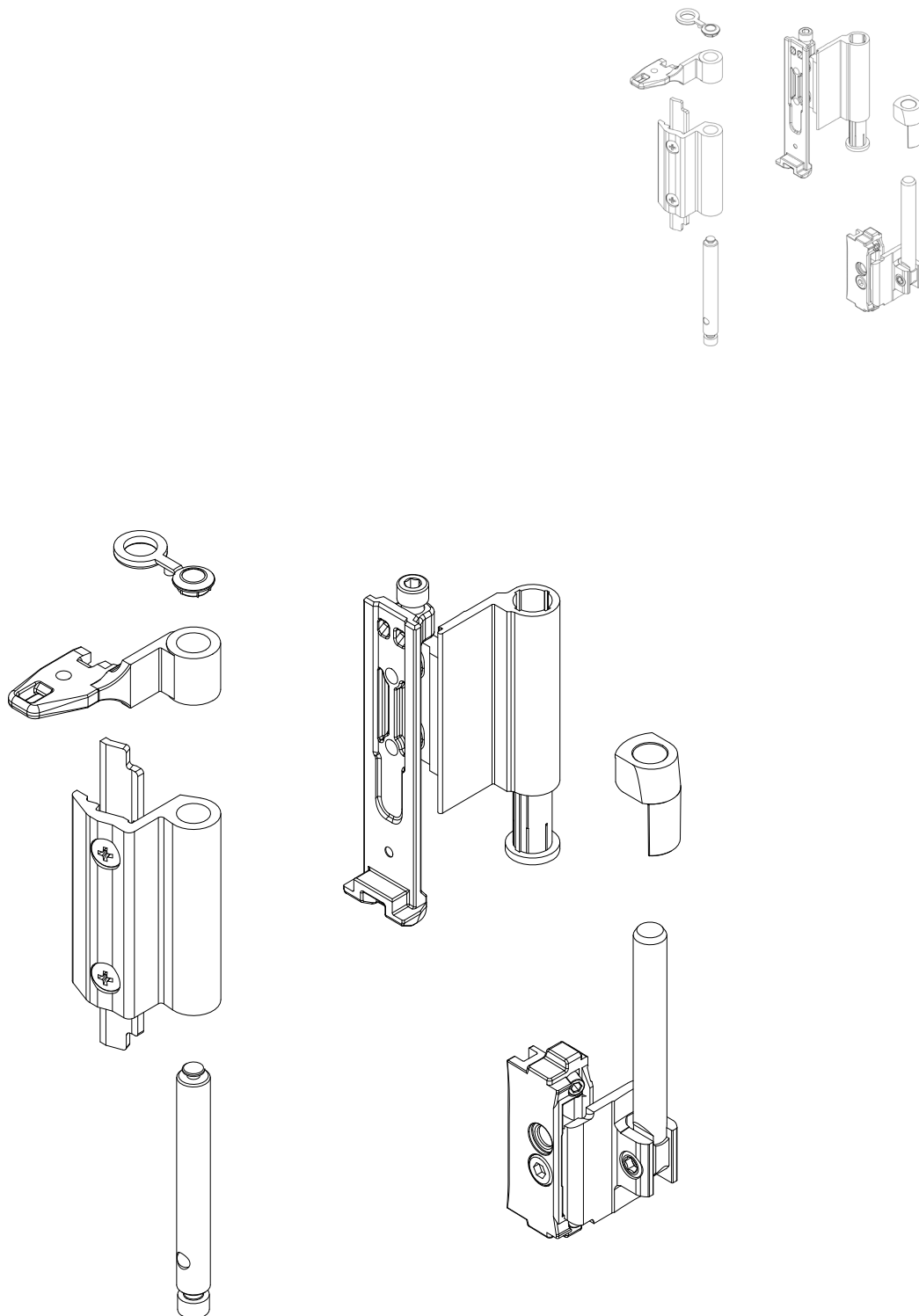
Tilt-and-Turn fastening mechanisms for cremone, window handle and NP SUPRA window handle, available in the Standard and Logica versions. Drive, drive rod, mechanism bolt tip and strikers in zamak with GS Silver Plus finish (up to 500 h of corrosion resistance). Screws and grub screws in stainless steel. Polyamide raiser.



Classic Tilt/Turn Hinge 80kg

Functions

Hinge set (upper and lower), completely pre-assembled and ready to be installed on the profile. Extruded aluminium hinge body. Supports in zamak with GS Silver Plus finish (up to 500 hr corrosion resistance). Pins, screws and grub screws in stainless steel.



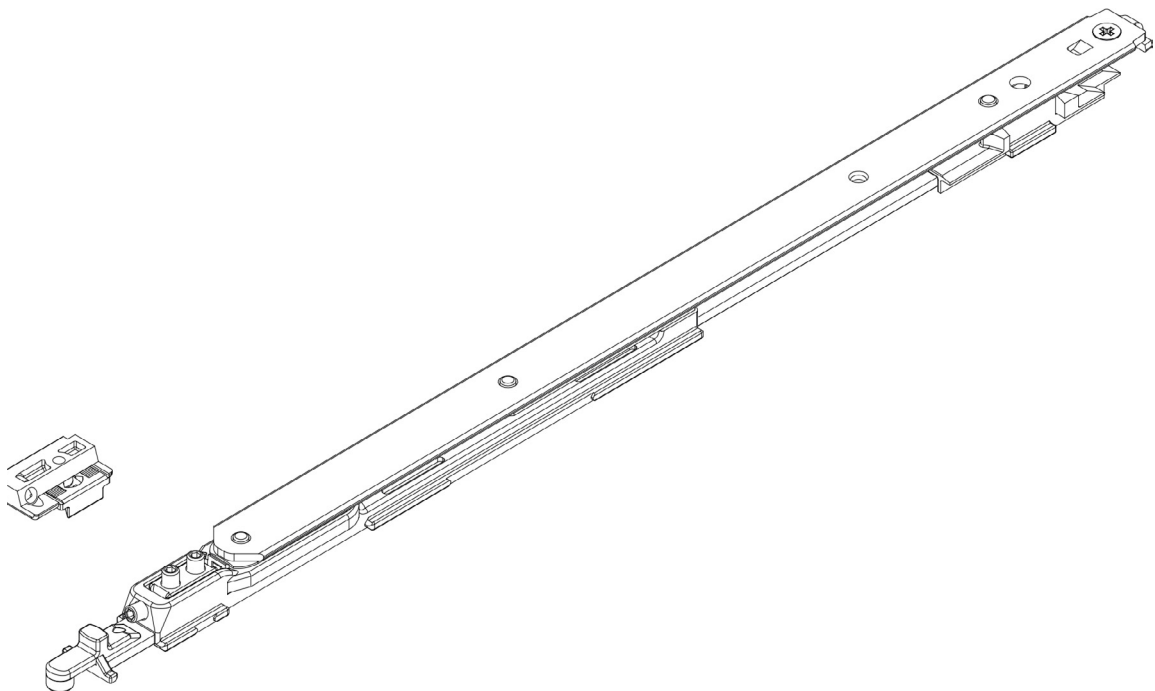
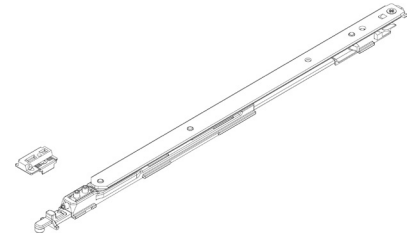
Arm T2 130 With Microventilation

Functions

They enable tilt-and-turn opening in conjunction with the mechanisms and are available in three versions (standard, microventilation and logic).

Materials

Body, fixing block and slider in zamak with GS Silver Plus finish (up to 500 h of corrosion resistance). Rod, connecting bracket, grub screws and screws in stainless steel. Stop disk in polyamide.



Classic Tilt/Turn Hinge 80kg

Functions

Reversible cremone handle for operating the NAPCO Sash, Tilt-and-Turn Window and Tilt-and-Turn Window with Microventilation mechanisms.

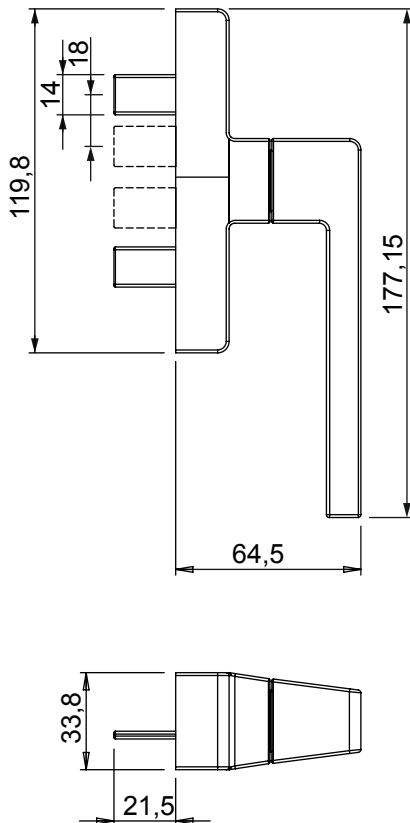
Technical Features

The use of high quality die-cast materials and the NAPCO painting system guarantee excellent mechanical performance, together with colour uniformity and good abrasion resistance. The Kora cremone has a fixing C/C distance of 104 mm and 92 mm, but can be easily adapted for fixing with a C/C distance of 84 and 98 mm.

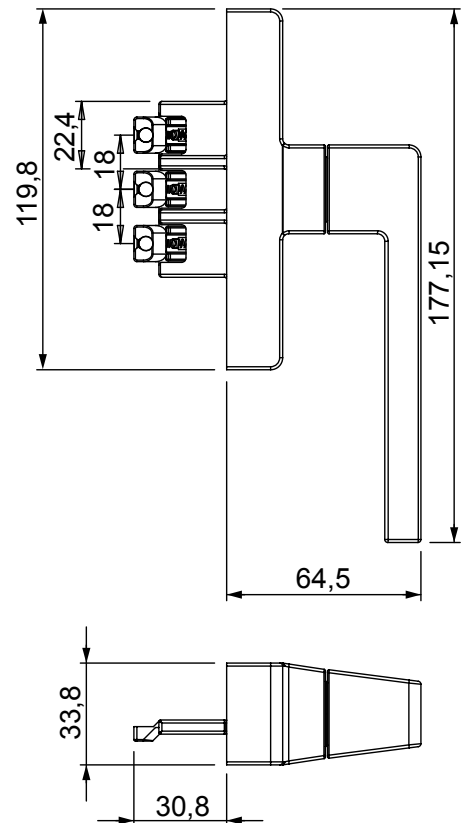
Materials

- Handle in die-cast aluminium
- Cremone case, gear racks in die-cast zamak
- Internal sheath and Hostaform plate
- Steel spring
- Stainless steel screws and fixing plate

Overall dimensions of cremone for sash

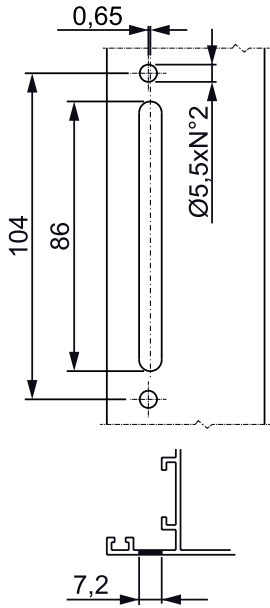


Overall dimensions of cremone for tilt-and-turn

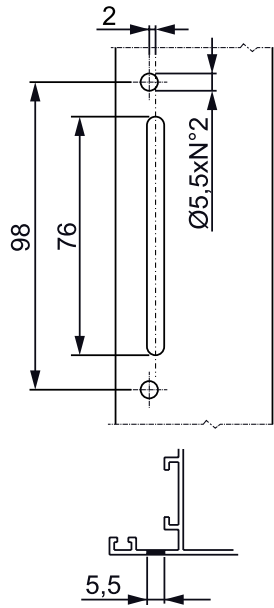


Classic Tilt/Turn Hinge 80kg

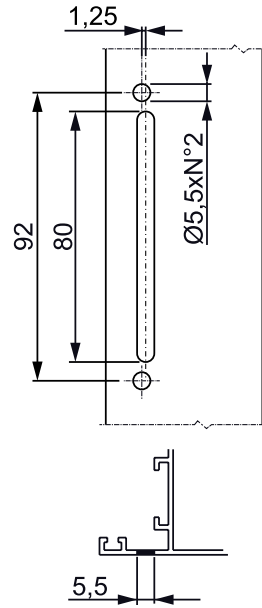
C/C distance machining 104 mm



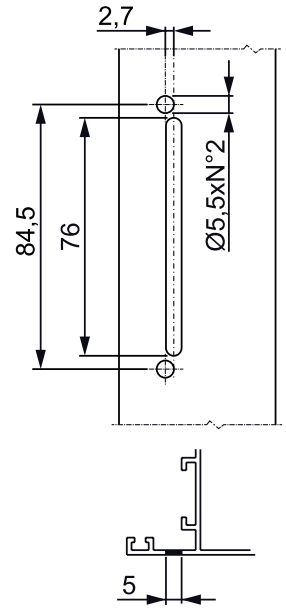
C/C distance machining 98 mm



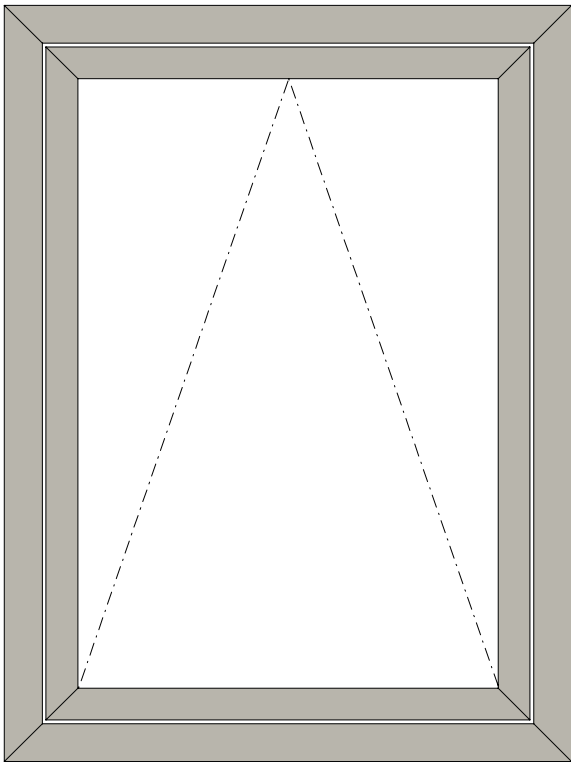
C/C distance machining 92 mm



C/C distance machining 84.5 mm






BOTTOM HUNG WINDOW



Bottom Hung Window

Bottom Hung Window / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|--------|---|
|  | 02051 | Hinges For Bottom-Hung Window (Option 1) |
|  | 08201 | GS HD Side Arms (Option 2) |
|  | 01701N | Finger Catch |

Bottom Hung Window

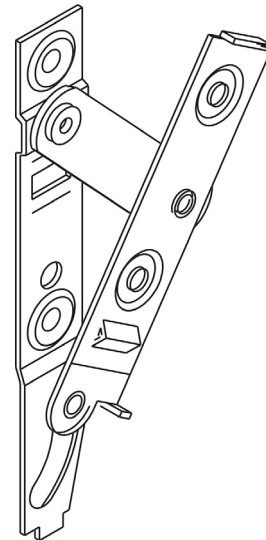
Hinges For Bottom-Hung Window (Option 1)

Functions

Hinge for bottom-hung windows, fast assembly and secure fixing.
 Enables opening a bottom-hung window without any hinges being exposed to view.

Technical Features

It is fixed with cams and plates and requires no adaptation or modification of seals for assembly. Enables bottom-hung opening of the sash to an angle of 32°. Given its application and operation internally of the groove, bottom hung window fixtures can be assembled without any hinges exposed to view.



Materials

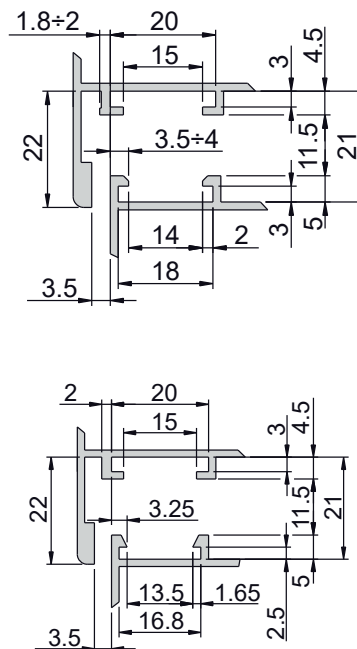
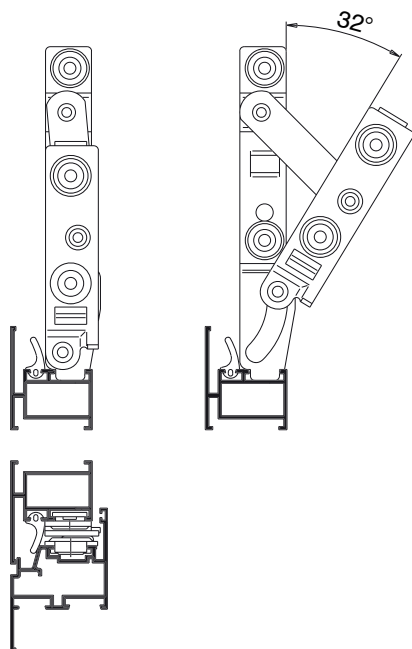
Hinge and plates of zinc-nickel plated steel
 Stainless steel plates
 Screws and long plates of zinc-nickel plated steel

Parts

8 TSP M5x8 screws
 4 threaded cam plates
 2 long threaded plates

Capacities

with 2 hinges:
 20 kg assuming fixtures of maximum height 700mm
 Minimum height 170 mm



Bottom Hung Window

GS HD Side Arms (Option 2)

Functions

Pair of self-balancing arms (one right and one left) able to bear the weight of a top hung window or outward opening (side hung) window and hold it in the open position.

Technical Features

Type-M GS HD arms are suitable for making medium – low size/weight top or side hung windows. Some models can indeed be used on both these different outward opening casement types (see table). Since the upper part of the arm is asymmetrical, within the pair of arms we will have a right and a left; this asymmetrical geometry of the arm improves the return and closing phases of the sash. Type-M GS HD arm can be frictioned by turning the grub screw on the slider. If necessary, type-M GS HD arms can be applied in combination with the N-type limitation arms; this is in order to limit the maximum opening of a Top Hung sash. Type-M GS HD arms are tested by NAPCO for up to life-time 30.000 cycles.

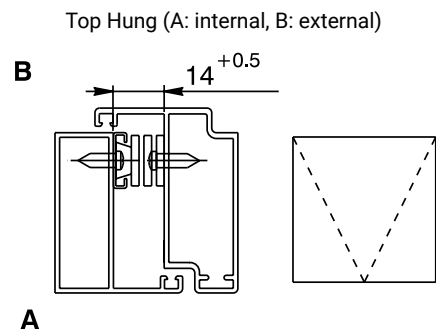


Applicability

Type-M GS HD arms are applicable to sets of profiles with a stack (sash/frame distance) of 14 mm.

Materials

AISI 304 stainless steel arm
Slider in polyamide and brass



Bottom Hung Window

Finger Catch

Functions

Fastening mechanism of bottom-hung windows for external application, made of extruded aluminium with internal guide of polyamide

Technical Features

Fast mounting, it can be applied on all types of profile using the 4 polyamide shims alternately or in combination. The combinations of the shims require using the catch in steps of (mm): 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 Note: For very thin thickness, it is recommended to decrease the diameter of the hole that receives the self-tapping screw.

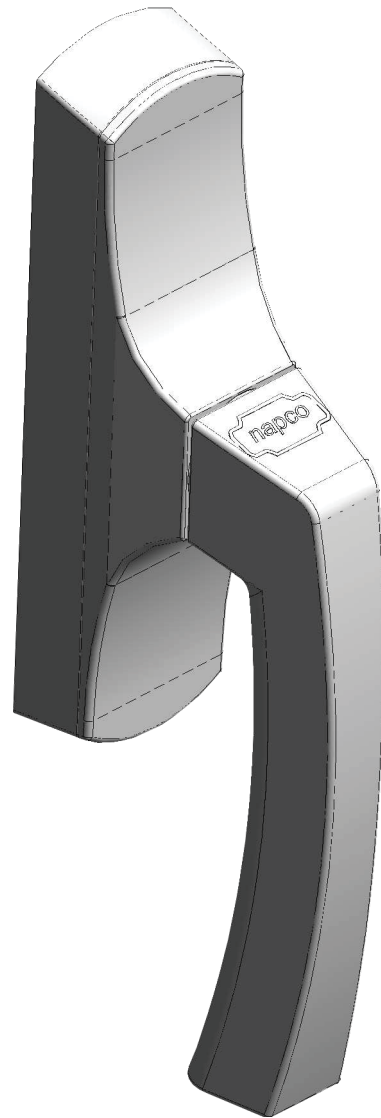
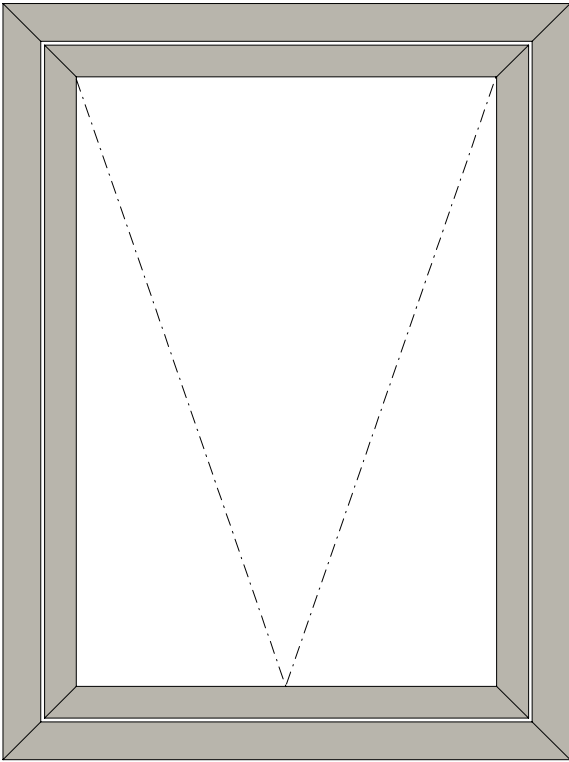


Materials



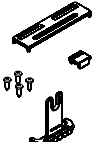
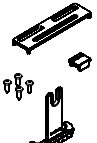

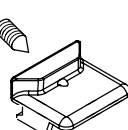

Body, ring and counterplate in extruded aluminium
Shims and internal guide in polyamide
Zinc-nickel plated steel screws



TOP HUNG WINDOW



Window Single Sash Open Out / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|-------|---------------------------------------|
|  | 08351 | GS HD Arms |
|  | 01401 | Asia plus outward open cremone |
|  | 02028 | External opening Kit 45mm / for N45 |
|  | 02029 | External opening Kit 55mm / for Cloud |
|  | 04099 | Pull device |
|  | 01343 | Adjustable striker |
|  | 04030 | Adjustable pawl |

Flash Base 3 Wing Hinges

Functions

Pair of self-balancing arms (one right and one left) able to bear the weight of a top hung window and hold it in the open position.

Technical Features

Type-P GS HD arms are suitable for medium to large size/weight top-hung windows (see table). Since the upper part of the arm is asymmetrical, within the pair of arms we will have a right and a left; this asymmetrical geometry of the arm improves the return and closing phases. Type-P GS HD arms may be frictioned by way of the grub screw on the slider and, depending on the model, you can choose also the maximum sash opening angle (see table). To make operable fixtures with different dimensions and weights to those indicated in the table, please call the NAPCO technical service. Type-P GS HD arms, depending on the version, provide micrometric height adjustment. If necessary, the P type arms can be applied with the I, L and Laser limitation arms; this is in order to limit the maximum opening of the sash. Type-P GS HD arms are tested by NAPCO for up to life-time 30.000 cycles.

Materials

AISI 304 stainless steel arm
Slider in polyamide and 304 grade stainless steel
Zamak height-adjustment device

Applicability

Type-P GS HD arms are applicable to sets of profiles with a stack (sash/frame distance) of 16.5 - 17 mm.



Asia Plus Outward Open Cremone

Functions

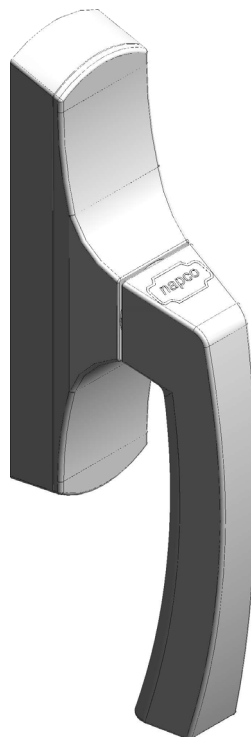
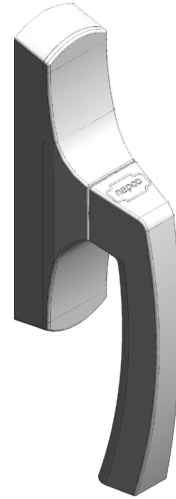
Cremone with no internal components. Depending on need, it can be transformed into a Cremone for inward opening, outward opening casement or tilt-and-turn by using the specific kits (also supplied complete with the lock points).

Technical Features

The UNICA cremone mechanism is available in different versions and is supplied without the internal parts. The procedure for mounting them, contained in the customization kit, is for the window maker, but is quick and straightforward. All Unica cremones have a fixing C/C distance of 104 mm.

Materials

Handle in die-cast aluminium
Cases and gear in die-cast zamak
Steel spring
Zinc plated steel screw
Shim in Hostaform



External Opening Kit 45mm / For N45

Functions

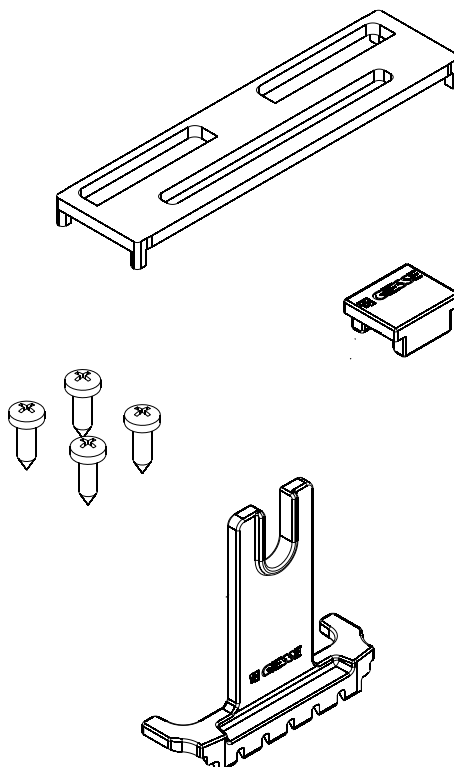
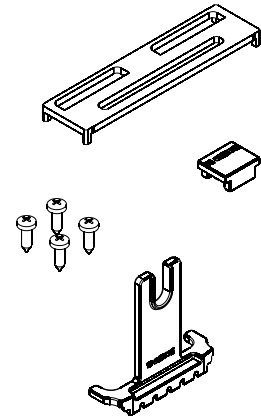
Components that, added to the Unica Cremona without internal components, enable converting them into the finished product.

Technical Features

Completion kit that, in combination with the Unica mechanism, enables creating a finished cremone (sash, tilt-and-turn window, etc.). Composed of the internal components and any fixing components (screws and plate), it must be suitably mounted by the window maker. After the assembly phase the cremone is ready to be installed. The method of assembly of the kit is adequately explained in the fitting instructions.

Materials

Black polyamide plate (zinc plated steel for tilt-and-turn window version)
Sliders and Racks in zinc plated die-cast zamak
Stainless steel screws and fixing plate



External opening Kit 55mm / for Cloud 60 & 55

Functions

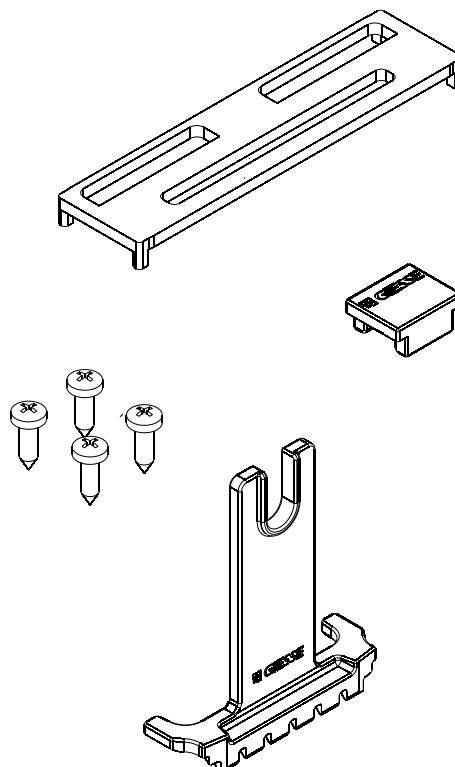
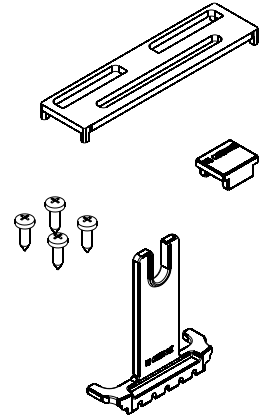
Components that, added to the Unica Cremona without internal components, enable converting them into the finished product.

Technical Features

Completion kit that, in combination with the Unica mechanism, enables creating a finished cremone (sash, tilt-and-turn window, etc.). Composed of the internal components and any fixing components (screws and plate), it must be suitably mounted by the window maker. After the assembly phase the cremone is ready to be installed. The method of assembly of the kit is adequately explained in the fitting instructions.

Materials

Black polyamide plate (zinc plated steel for tilt-and-turn window version)
Sliders and Racks in zinc plated die-cast zamak
Stainless steel screws and fixing plate



Pull Device

Functions

Components for connecting the one-way cremones to the connection rods of the window.

Technical Features

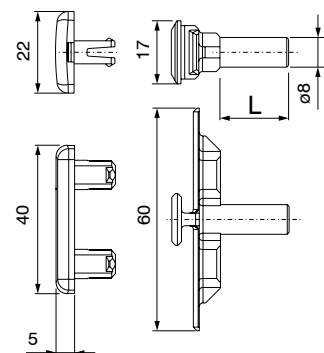
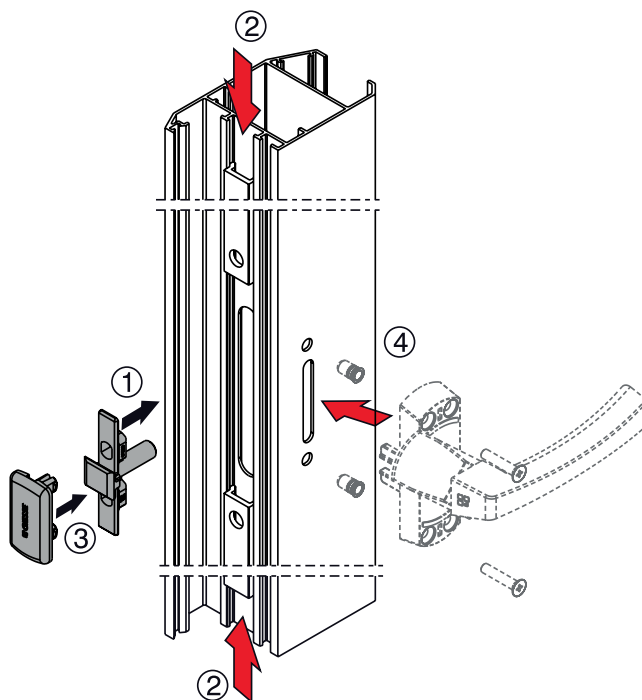
It is used to connect the cremones with one-way movement (in pre-assembled or disassembled versions) to the closing rod of an aluminium window. This generally concerns Shutter-type outward or Side Hung openings. The NAPCO patented rod pull device has a pin of diameter 8 mm of different lengths depending on the article.



Materials

Driving pin in zamak

Rod joining plug in black polyamide



Adjustable Striker

Functions

Specific striker for use with Adjustable Fastening (art. 04030).
Finish: Natural / Packing: Box of 200 units

Technical Features

Specific part for subframes or meeting stiles with 14/18 mm channels or similar.

The contrast grub screw ensures the striker is secured firmly to the frame.

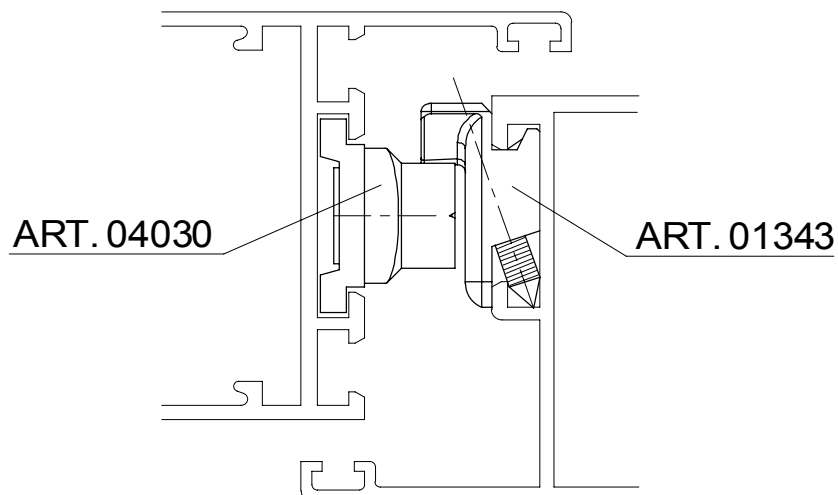
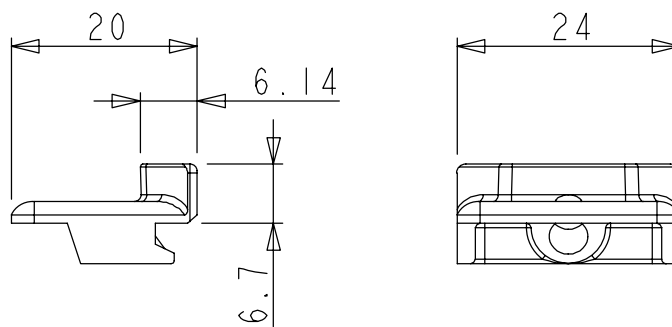
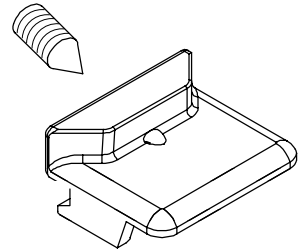
Parts

M4x10 grub screw

Materials

GS 500 Zamak body

Stainless steel grub screw



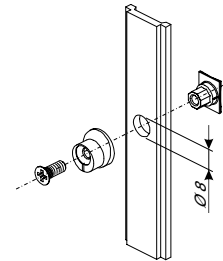
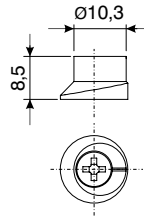
Adjustable Pawl

Functions

Pawl to be combined with a striker, required to create a locking point.



04030K



Top Hung Window

Friz limit arm (optional)

Functions

Accessory utilised to limit opening of the sash when movement of the sash is restricted by obstacles such as uprights or walls.

Technical Features

Sliding plate friction adjustable with a screw. Mounts to side-hung and tilt-and-turn casements with minimum dimension L = 450 mm. As a pair, it may be used as a retainer arm for very heavy bottom-hung windows.

Equipped with a spring-loaded manual quick release.

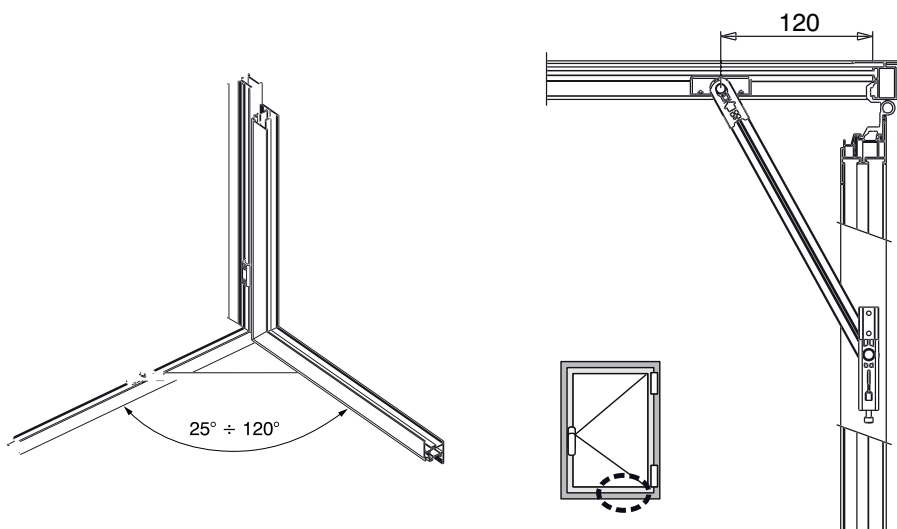
Stop plate fitted with two grub screws to prevent slippage.



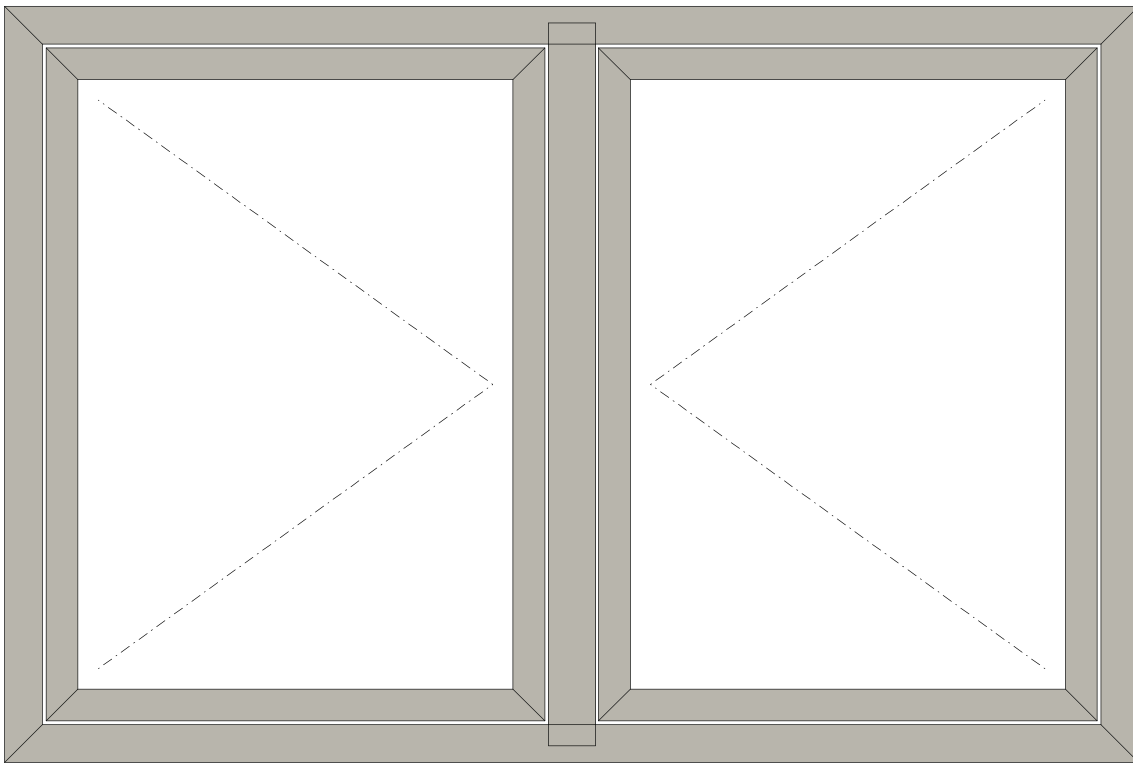
Materials

Fixing plate in zamak with GS Silver Plus finish (up to 500 h corrosion resistance) Rod and stop plate made of pre-oxidised extruded aluminium.






Polyamide frictioning plate Pins, screws, grub screws and release in stainless steel.



WINDOW DOUBLE SASH OPEN IN



Window Double Sash Open In / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|--------|-------------------------------|
|  | 00120U | Flash base hinged for windows |
|  | 00957 | Kora Cremone |
|  | 02270 | Kit For Two-Way Sash Closing |
|  | 01339 | Strikers |
|  | 02125 | Sash Gaip Bolts |

Flash Base Hinges

Functions

Two-handed hinge for aluminium casement window and door fixtures with central gasket seal.

Technical Features

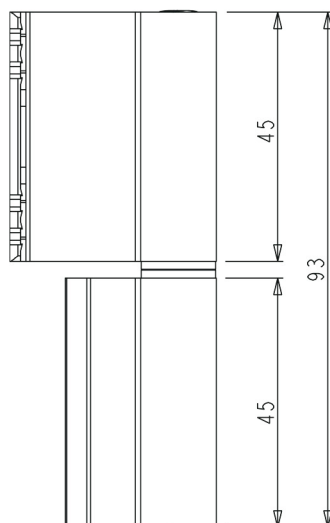
Supplied preassembled to enable fast installation and faultless positioning of the hinge on already assembled fixtures. Special fixing plates, preassembled with the hinge bodies (NAPCO RAPID system), enable fast installation and faultless positioning of the hinge on already assembled fixtures. The FLASH BASE hinge is fitted extremely quickly to the sash and frame, even when the fixture has already been assembled. The particular geometry of the hinge and of the plate enables swift and simple application to the already assembled fixture, and faultless positioning of the hinge when fixing the screws. Hinges 00120 00122 00123 00128 and 00259 are certified to EN1935:2002 and classified for windows typified by average intensity of use (use category 2* - average use) with high resistance to fatigue and wear (durability grade 7* -200,000 test cycles). * Complies with EN 1935

Materials

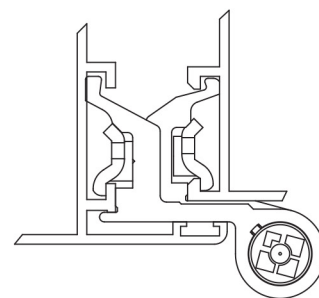
Extruded aluminium hinge bodies
Stainless steel pin, screws and fixing plates
Polyamide bushes

Capacities

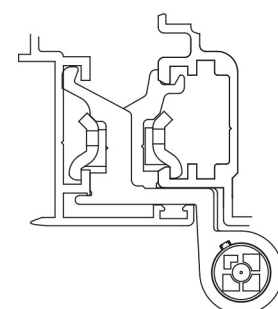
With 2 FLASH BASE hinges: 75 kg
With 3 FLASH BASE hinges: 85 kg
assuming fixtures of 2000 mm height and 1000 mm width.



Side profile cross-section



third sash cross-section



Kora Cremone

Functions

Reversible cremone handle for operating the NAPCO Sash, Tilt-and-Turn Window and Tilt-and-Turn Window with Microventilation mechanisms.

Technical Features

The use of high quality die-cast materials and the NAPCO painting system guarantee excellent mechanical performance, together with colour uniformity and good abrasion resistance.

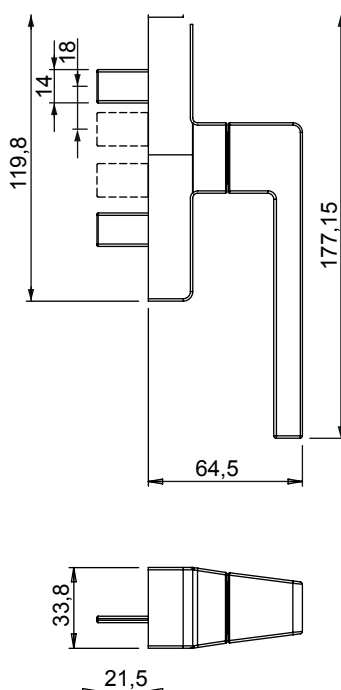
The Kora cremone has a fixing C/C distance of 104 mm and 92 mm, but can be easily adapted for fixing with a C/C distance of 84 and 98 mm.



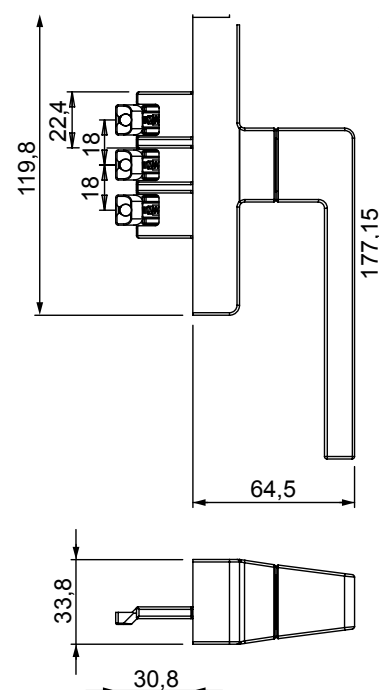
Materials

- Handle in die-cast aluminium
- Cremone case, gear racks in die-cast zamak
- Internal sheath and Hostaform plate
- Steel spring
- Stainless steel screws and fixing plate

Overall dimensions of cremone for sash



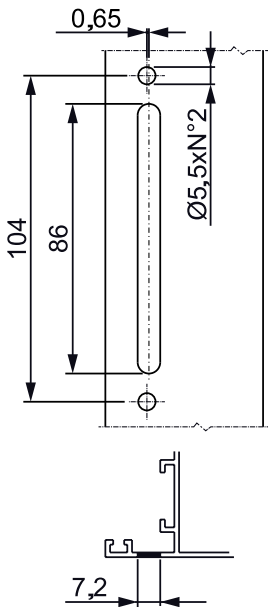
Overall dimensions of cremone for tilt-and-turn



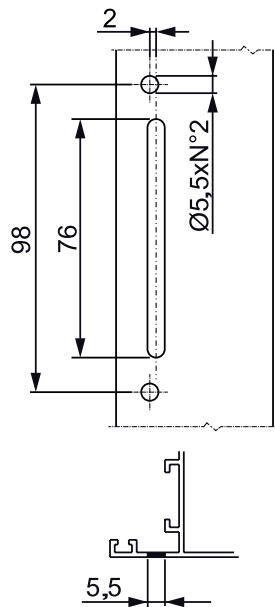
Window Double Sash Open In

Kora Cremone

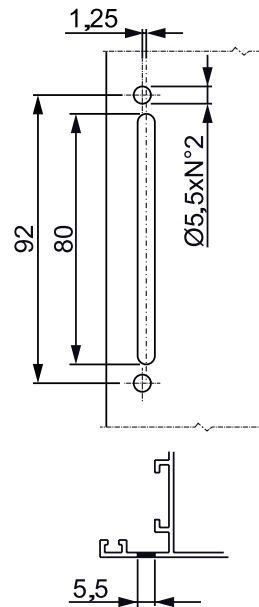
C/C distance machining 104 mm



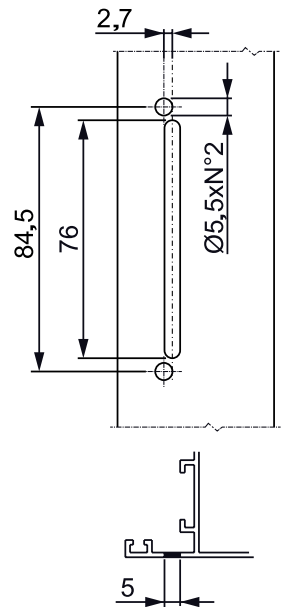
C/C distance machining 98 mm



C/C distance machining 92 mm



C/C distance machining 84.5 mm



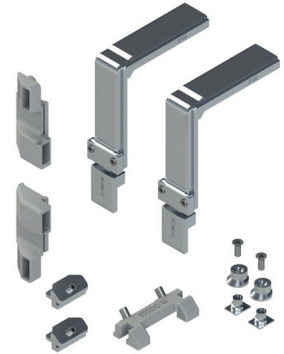
Kit For Two-Way Sash Closing

Functions

Two-way sash fastening mechanism. For use on casements that require side-hung sash opening.

Technical Features

The sash fastening mechanism is available in different versions: fastening by pawls, fastening by Giap terminals, fastening by adjustable terminals and perimeter fastening by corner drives. The fastening mechanism is to be in addition to the Euro or Prima Cremona and the Flash Base hinges.

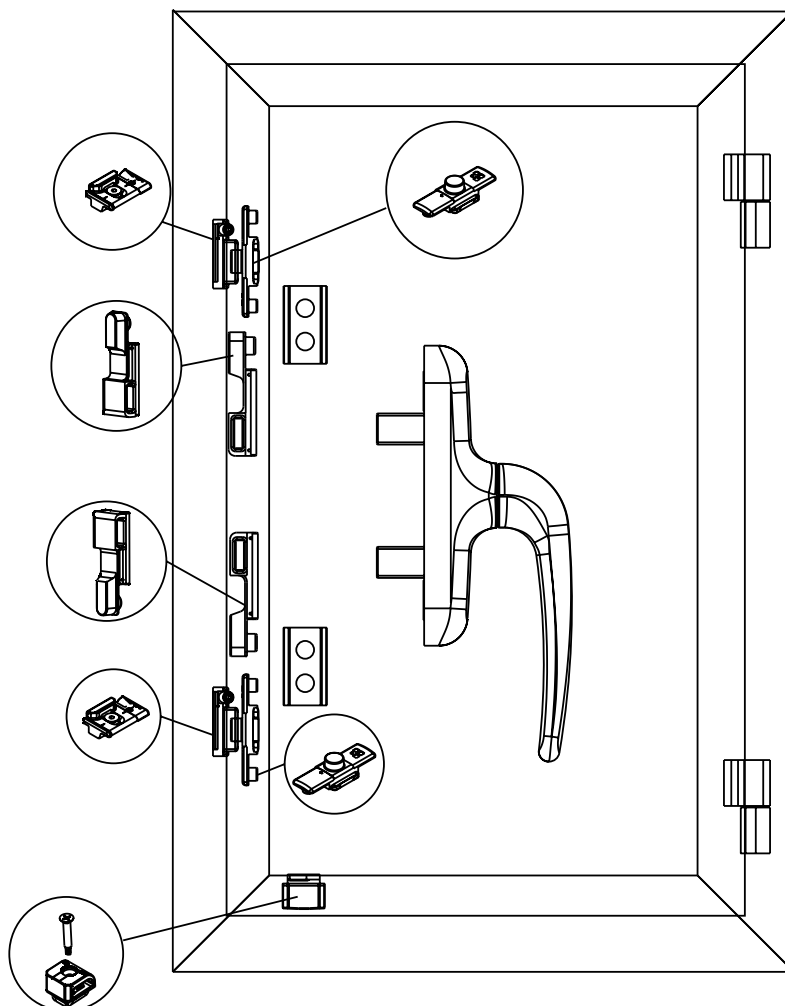


Materials

Connecting blocks and raiser made of polyamide

Zamak fastening mechanism components

Screws and grub screws in stainless steel



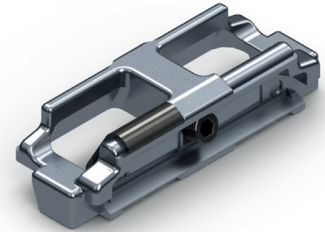
Strikers

Functions

Components made to be fitted on frames of casements with one or more sashes with the function of accommodating the tips of bolts and terminals and the fastening pawls made by NAPCO.

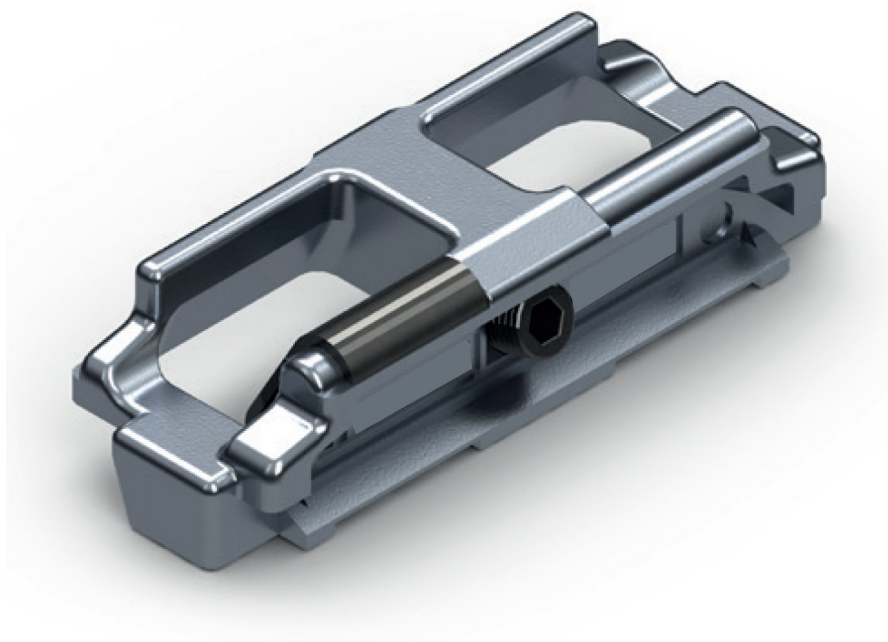
Technical Features

The sash fastening mechanism is available in different versions: fastening by pawls, fastening by Giap terminals, fastening by adjustable terminals and perimeter fastening by corner drives. The fastening mechanism is to be in addition to the Euro or Prima Cremona and the Flash Base hinges.



Materials

Connecting blocks and raiser made of polyamide
Zamak fastening mechanism components
Screws and grub screws in stainless steel



Sash Gaip Bolts

Functions

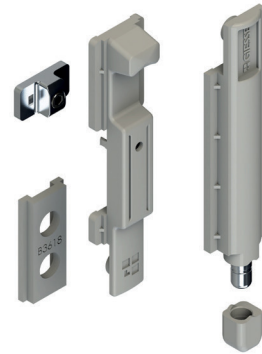
Polyamide bolt composed of an actuator and terminal with pin for direct fixing to the floor. Ideal for side-hung doors and windows in aluminum with central gasket

Technical Features

For the fixing where mounting is required in conjunction with the rod strikers, you will have to engage the supplied polyamide adjustable bush on the pin to achieve a perfect coupling.

Fits to the profile groove without any machining. Once positioned, secures with a block by tightening the pre-assembled M5 grub screw, with a 2.5mm Allen key.

The Polyamide connection plate can be replaced by the series rod to extend the mechanism.



Materials

Basic parts in fiberglass loaded polyamide

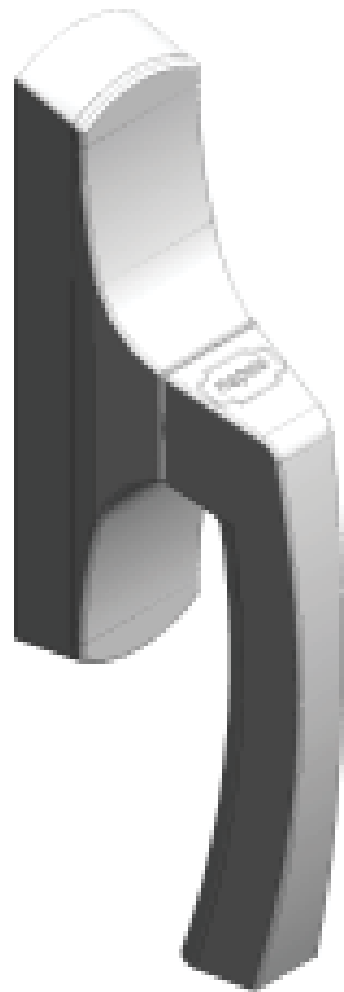
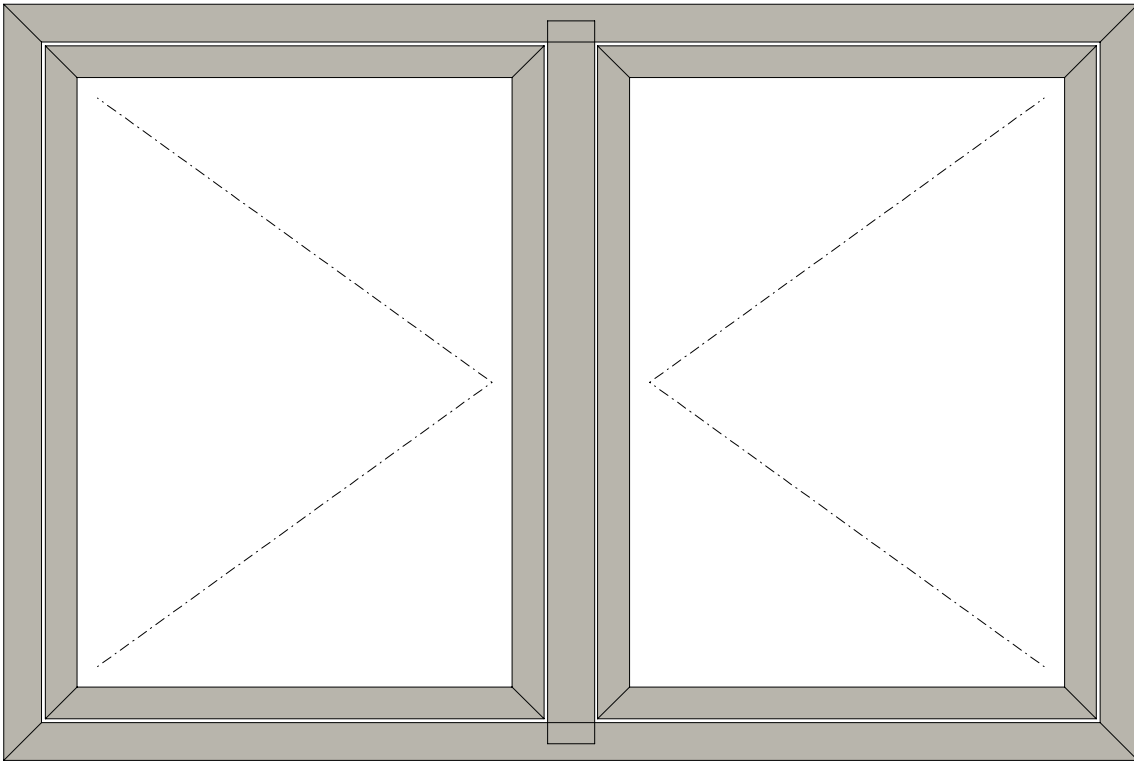
Terminal pin of zin-nickel plated steel

Fixing block in Zamak

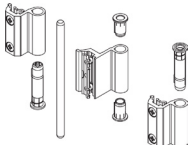

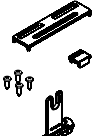
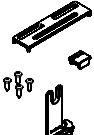
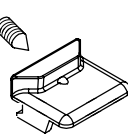


Stainless steel grub screw



WINDOW DOUBLE SASH OPEN OUT





Window Double Sash Open Out / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|--------|---------------------------------------|
|  | 00115U | Flash base 3 wing hinges |
|  | 01401 | Asia plus outward open cremone |
|  | 02028 | External opening Kit 45mm / for N45 |
|  | 02029 | External opening Kit 55mm / for Cloud |
|  | 04099 | Pull device |
|  | 01343 | Adjustable striker |
|  | 04030 | Adjustable pawl |
|  | 02030 | Friz limit arm (optional) |

Window Double Sash Open Out

Window Double Sash Open Out / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|-------|-----------------|
|  | 01339 | Strikers |
|  | 02125 | Sash Gaip Bolts |

Window Double Sash Open Out

Flash Base 3 Wing Hinges

Functions

RH/LH hinge for aluminium frame open joint doors and windows. It features the same reliability and precision as conventional NAPCO hinges and is fitted to the frame extremely quickly, even if the frame has already been assembled.

Technical Features

FLASH BASE hinges are supplied ready assembled and feature the NAPCO-RAPID fixing system. The special shape of the hinge and fixing plate makes for practical and rapid installation on pre-assembled frames and ensures the hinge remains correctly positioned while the screws are tightened.

Materials

Hinge in extruded aluminium
 Stainless steel pin, screws and plates
 Black nylon bushes
 Load Capacities (side-hung or bottom-hung)
 85 kg with 2 hinges FLASH BASE 3 leaves
 100 kg with 3 hinges
 Considering frames with a height of 2000 mm and width of 1000 mm.

Parts

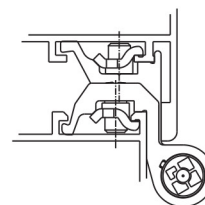
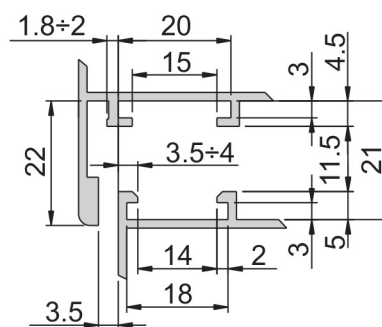
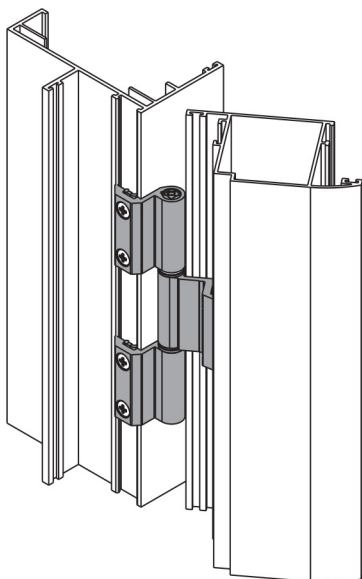
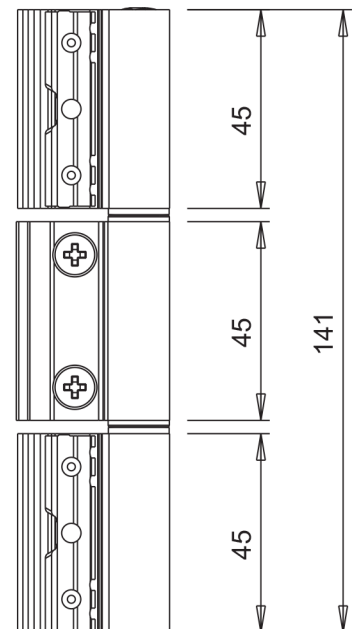
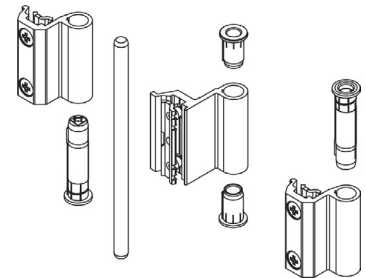
Instructions sheet

Finish

Natural, Anodized silver and bronze with barrel polish and polished gold, ElettroNAPCO 5/9, Painted in RAL colours.

Packing

Box of 20 pieces



Asia Plus Outward Open Cremone

Functions

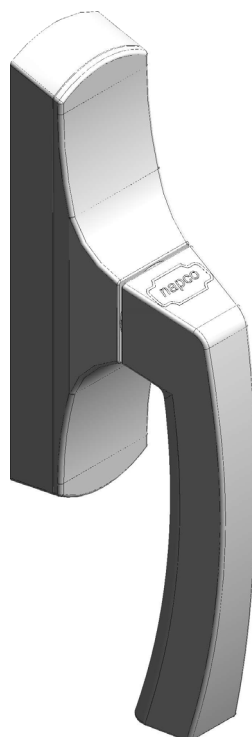
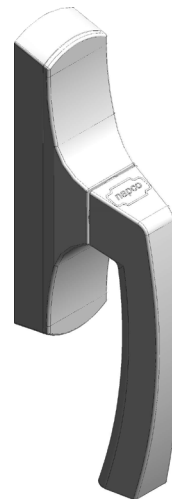
Cremone with no internal components. Depending on need, it can be transformed into a Cremone for inward opening, outward opening casement or tilt-and-turn by using the specific kits (also supplied complete with the lock points).

Technical Features

The UNICA cremone mechanism is available in different versions and is supplied without the internal parts. The procedure for mounting them, contained in the customization kit, is for the window maker, but is quick and straightforward. All Unica cremones have a fixing C/C distance of 104 mm.

Materials

Handle in die-cast aluminium
Cases and gear in die-cast zamak
Steel spring
Zinc plated steel screw
Shim in Hostaform



Window Double Sash Open Out

External Opening Kit 45mm / For N45

Functions

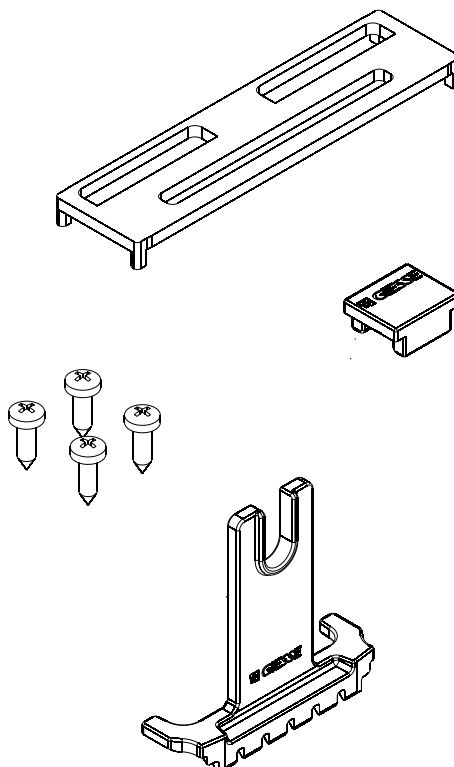
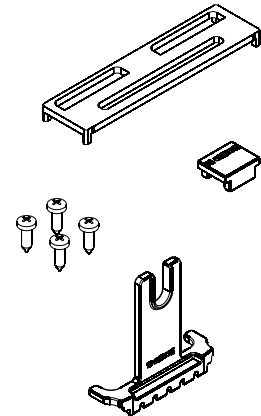
Components that, added to the Unica Cremona without internal components, enable converting them into the finished product.

Technical Features

Completion kit that, in combination with the Unica mechanism, enables creating a finished cremone (sash, tilt-and-turn window, etc.). Composed of the internal components and any fixing components (screws and plate), it must be suitably mounted by the window maker. After the assembly phase the cremone is ready to be installed. The method of assembly of the kit is adequately explained in the fitting instructions.

Materials

Black polyamide plate (zinc plated steel for tilt-and-turn window version)
Sliders and Racks in zinc plated die-cast zamak
Stainless steel screws and fixing plate



Window Double Sash Open Out

External opening Kit 55mm / for Cloud 60 & 55

Functions

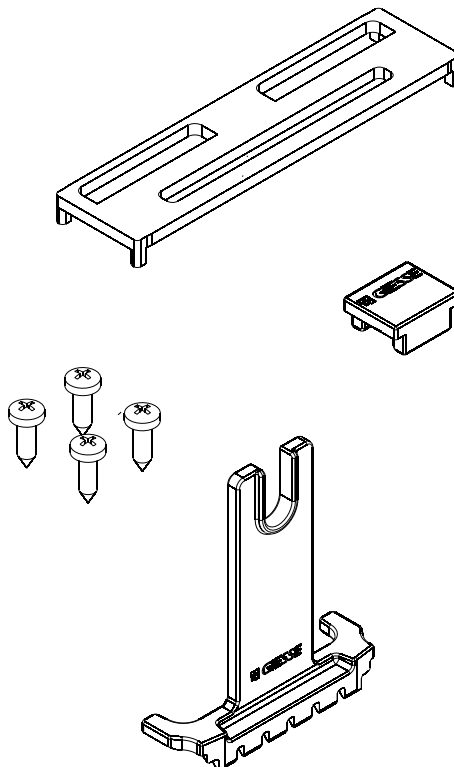
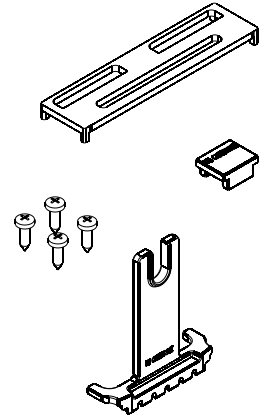
Components that, added to the Unica Cremone without internal components, enable converting them into the finished product.

Technical Features

Completion kit that, in combination with the Unica mechanism, enables creating a finished cremone (sash, tilt-and-turn window, etc.). Composed of the internal components and any fixing components (screws and plate), it must be suitably mounted by the window maker. After the assembly phase the cremone is ready to be installed. The method of assembly of the kit is adequately explained in the fitting instructions.

Materials

Black polyamide plate (zinc plated steel for tilt-and-turn window version)
Sliders and Racks in zinc plated die-cast zamak
Stainless steel screws and fixing plate



Window Double Sash Open Out

Pull Device

Functions

Components for connecting the one-way cremones to the connection rods of the window.

Technical Features

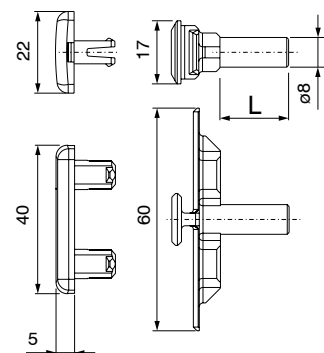
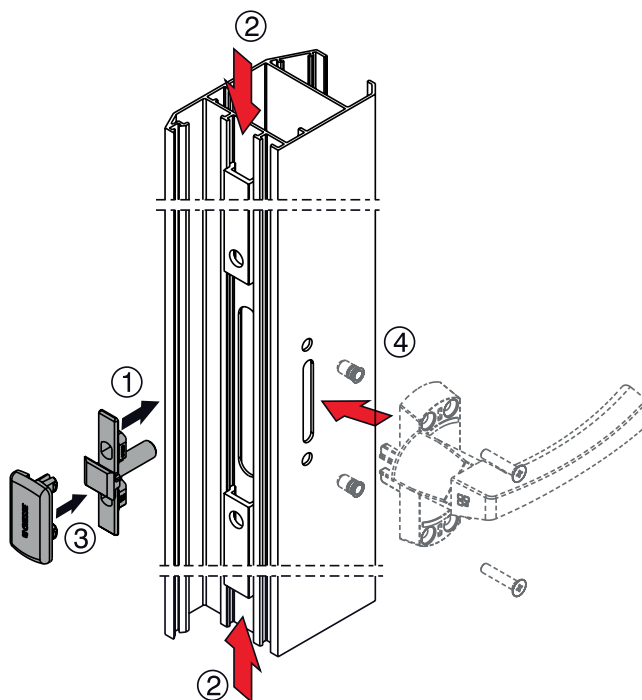
It is used to connect the cremones with one-way movement (in pre-assembled or disassembled versions) to the closing rod of an aluminium window. This generally concerns Shutter-type outward or Side Hung openings. The NAPCO patented rod pull device has a pin of diameter 8 mm of different lengths depending on the article.



Materials

Driving pin in zamak

Rod joining plug in black polyamide



Adjustable Striker

Functions

Specific striker for use with Adjustable Fastening (art. 04030).
Finish: Natural / Packing: Box of 200 units

Technical Features

Specific part for subframes or meeting stiles with 14/18 mm channels or similar.

The contrast grub screw ensures the striker is secured firmly to the frame.

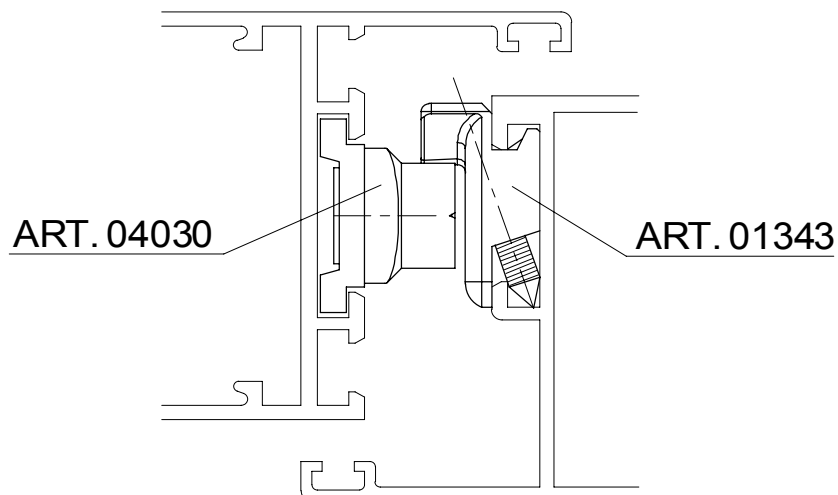
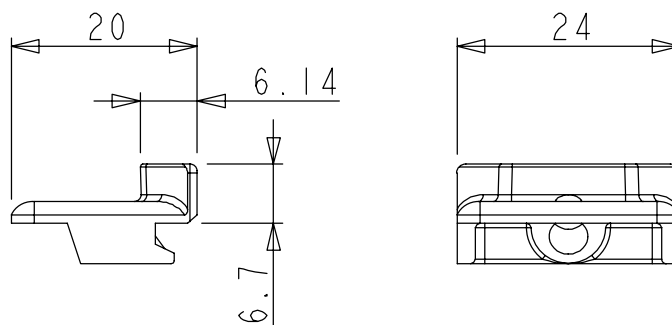
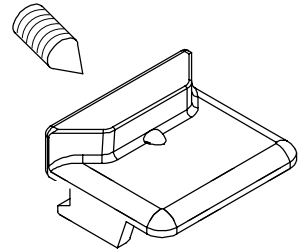
Parts

M4x10 grub screw

Materials

GS 500 Zamak body

Stainless steel grub screw



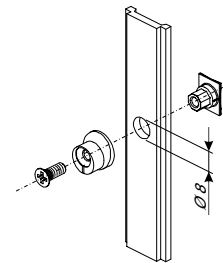
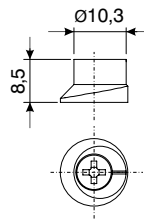
Adjustable Pawl

Functions

Pawl to be combined with a striker, required to create a locking point.



04030K



Window Double Sash Open Out

Friz limit arm (optional)

Functions

Accessory utilised to limit opening of the sash when movement of the sash is restricted by obstacles such as uprights or walls.

Technical Features

Sliding plate friction adjustable with a screw. Mounts to side-hung and tilt-and-turn casements with minimum dimension L = 450 mm. As a pair, it may be used as a retainer arm for very heavy bottom-hung windows.

Equipped with a spring-loaded manual quick release.

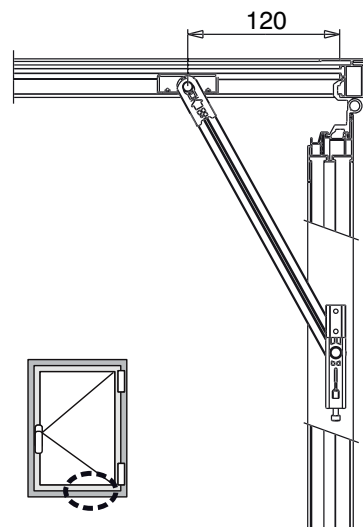
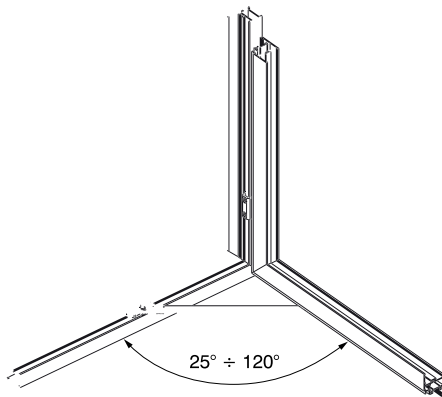
Stop plate fitted with two grub screws to prevent slippage.



Materials

Fixing plate in zamak with GS Silver Plus finish (up to 500 h corrosion resistance) Rod and stop plate made of pre-oxidised extruded aluminium.

Polyamide frictioning plate Pins, screws, grub screws and release in stainless steel.



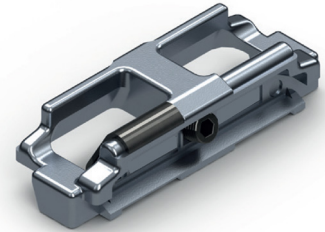
Strikers

Functions

Components made to be fitted on frames of casements with one or more sashes with the function of accommodating the tips of bolts and terminals and the fastening pawls made by NAPCO.

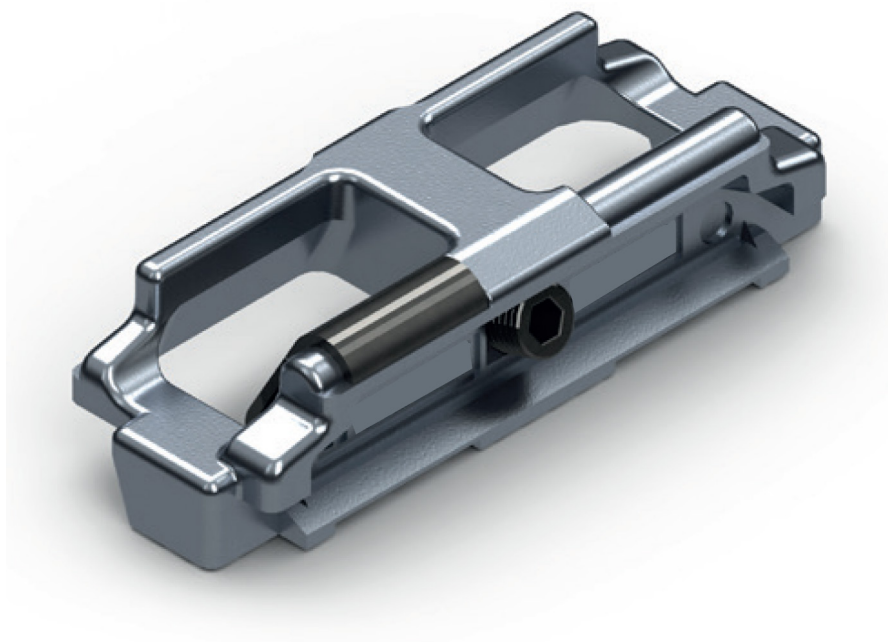
Technical Features

The sash fastening mechanism is available in different versions: fastening by pawls, fastening by Giap terminals, fastening by adjustable terminals and perimeter fastening by corner drives. The fastening mechanism is to be in addition to the Euro or Prima Cremona and the Flash Base hinges.



Materials

Connecting blocks and raiser made of polyamide
Zamak fastening mechanism components
Screws and grub screws in stainless steel



Sash Gaip Bolts

Functions

Polyamide bolt composed of an actuator and terminal with pin for direct fixing to the floor. Ideal for side-hung doors and windows in aluminum with central gasket

Technical Features

For the fixing where mounting is required in conjunction with the rod strikers, you will have to engage the supplied polyamide adjustable bush on the pin to achieve a perfect coupling.

Fits to the profile groove without any machining. Once positioned, secures with a block by tightening the pre-assembled M5 grub screw, with a 2.5mm Allen key.

The Polyamide connection plate can be replaced by the series rod to extend the mechanism.



Materials

Basic parts in fiberglass loaded polyamide

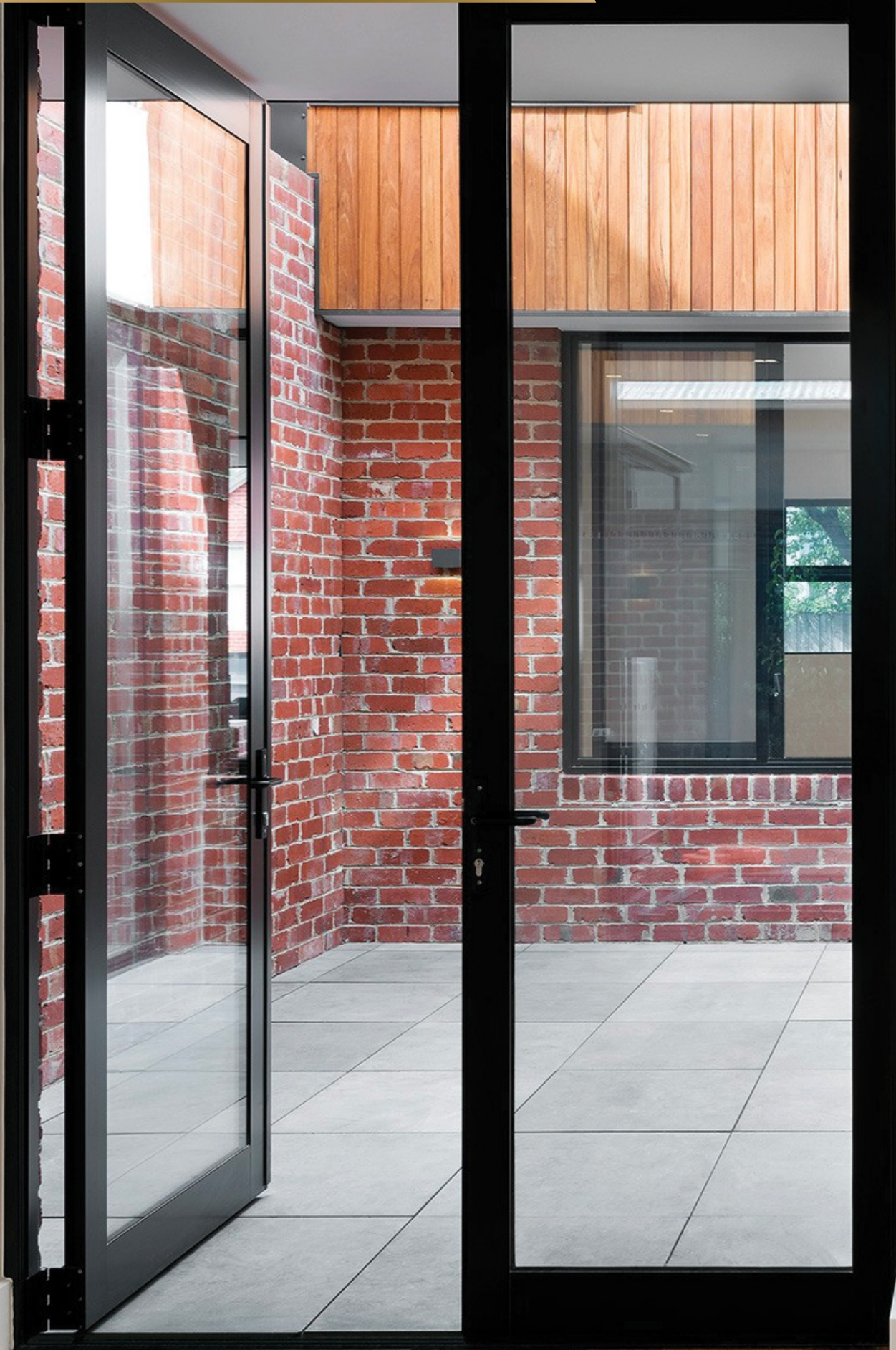
Terminal pin of zin-nickel plated steel

Fixing block in Zamak

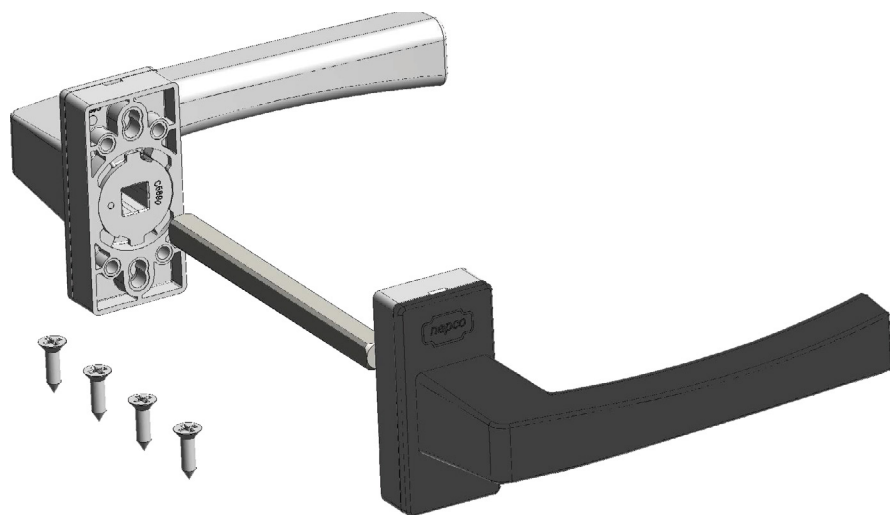
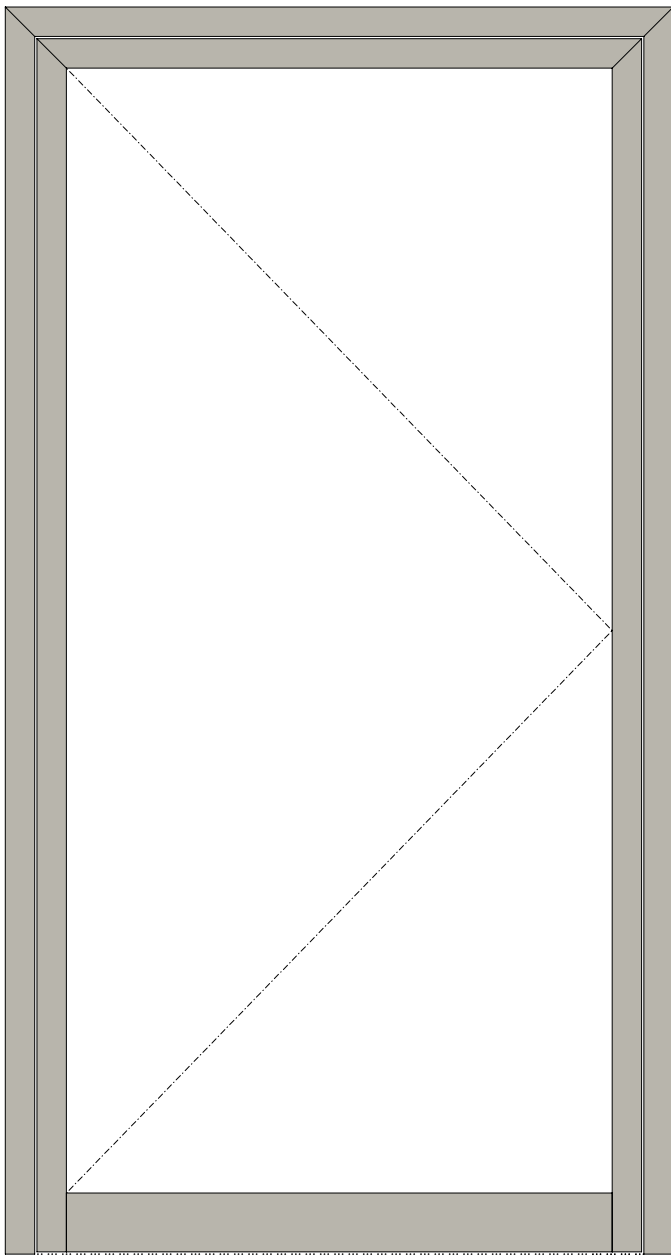
Stainless steel grub screw



DOOR SERIES



DOOR SINGLE SASH OPEN IN



Door Single Sash Open In / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|--------|-------------------------------------|
|  | 00681 | Celera Hinges |
|  | 00115 | Flash Base 3-Wing Hinge |
|  | 02563 | KORA Door Handle |
|  | 07631 | Locks With Dead Bolt & Spring Latch |
|  | 04492N | European Profile Double Cylinder |
|  | 02431 | Asia Cylinder Cover Plate |
|  | 04658 | Counterplates |

Celera Hinges

Functions

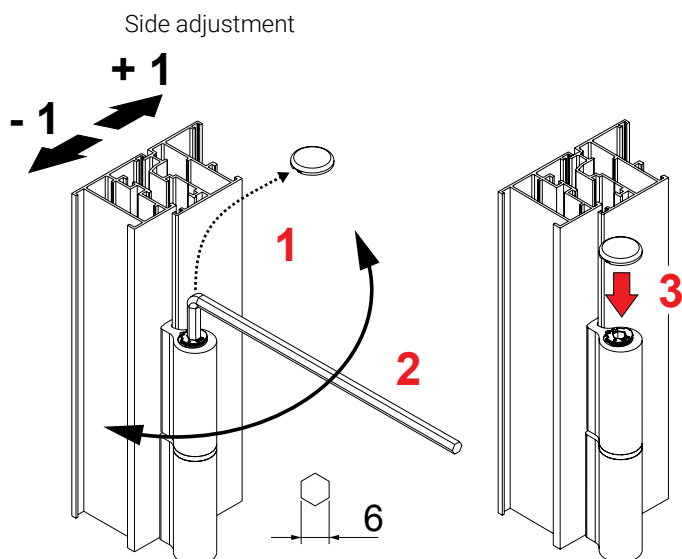
Clamp door hinge for profile with channel.
Side adjustment with door installed.

Technical Features

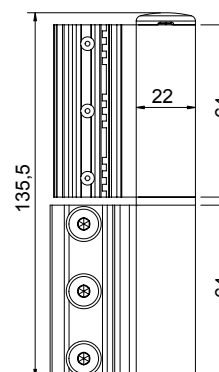
This hinge is suitable for doors subject to intensive use with high resistance to fatigue and wear. Fixing plates of special geometry guarantee the firmest possible attachment on the profile channel. The CELERA hinge is fitted extremely quickly to the sash and frame, even when the fixture has already been installed, thanks to the fixing plates that are preassembled to the hinge bodies (NAPCO RAPID system). It is therefore possible to apply an additional hinge (for example in the center) even after installation without having to dismantle the sash. Side adjustment (± 1 mm), obtainable by turning the eccentric bush in the sash hinge using a 6mm hex wrench.

Materials

Extruded aluminium hinge bodies
 $\text{Ø}10$ pin, fixing plates and fixing screws, all stainless steel
Eccentric bush, adjustment locking element and washer made of acetal resin
Polyamide cap



Overall dimensions



Flash Base 3-Wing Hinge

Functions

Two-handed 3-wing hinge, for lightweight window and door fixtures made with channel profile.

Technical Features

Two-handed three wing hinge, suitable for lightweight door fixtures and bottom hung or projecting type windows. Special fixing plates, preassembled with the hinge bodies (NAPCO RAPID system), enable fast installation and faultless positioning of the hinge on already assembled fixtures.

Materials

Extruded aluminium hinge bodies

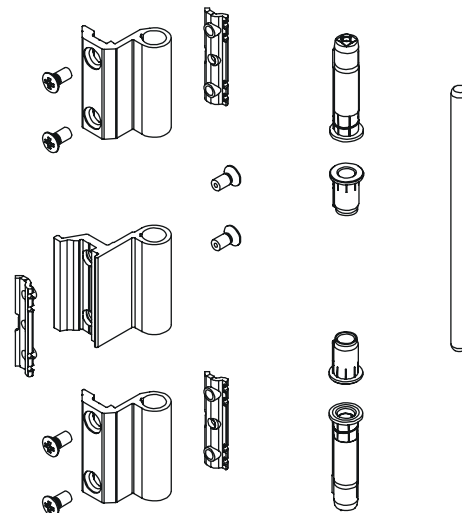
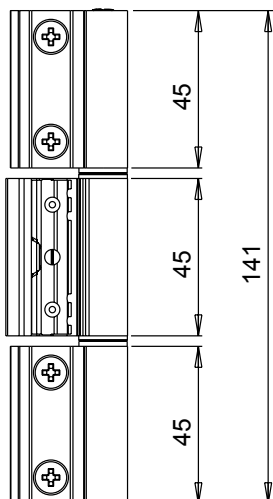
Pin, fixing plates, screws and grub screw, all stainless steel

Acetal resin bushes

Capacities

85 kg with 2 hinges

100 kg with 3 hinges



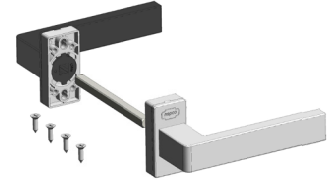
KORA Door Handle

Functions

Two-way sash fastening mechanism. For use on casements that require side-hung sash opening.

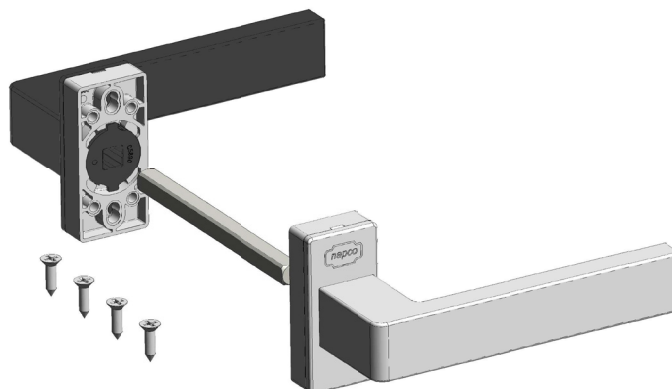
Technical Features

The sash fastening mechanism is available in different versions: fastening by pawls, fastening by Giap terminals, fastening by adjustable terminals and perimeter fastening by corner drives. The fastening mechanism is to be in addition to the Euro or Prima Cremona and the Flash Base hinges.



Materials

Connecting blocks and raiser made of polyamide
Zamak fastening mechanism components
Screws and grub screws in stainless steel



Locks With Dead Bolt & Spring Latch

Functions

Central lock with front closing, slip-on version for aluminum uprights, with spring latch and sliding bolt.

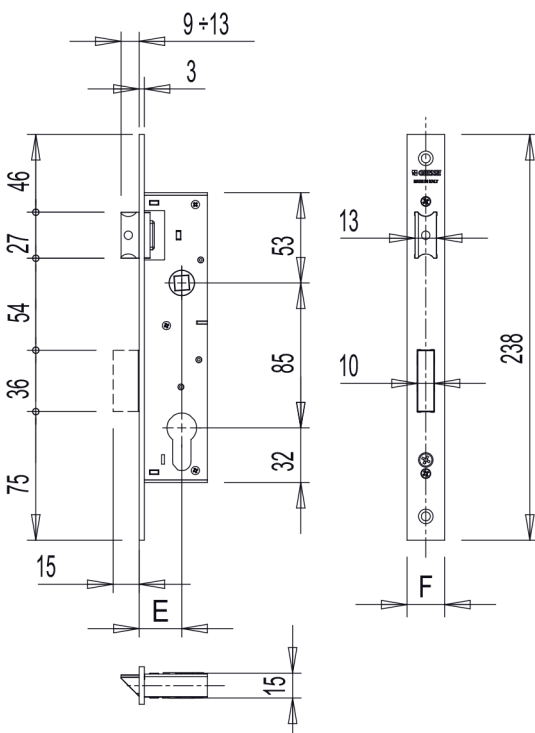
Technical Features

Lock compatible with European profile cylinders, has dead bolt and a reversible spring latch (RH or LH). Bolts operated with the cylinder. Spring latch operated with the cylinder and with the 8mm handle spindle. Cylinder handle C/C distance 85mm. Dead bolt with thickness of 10mm and protrusion of 15mm. 9 to 13mm adjustable spring latch.



Materials

Lock cover plate and case plate in zinc plate steel
Flat front in stainless steel
Nickel plated brass spring latch and bolt
Nickel-plated steel bolt
Zinc plated steel cylinder fixing screw



Door Single Sash Open In

European Profile Double Cylinder

Functions

Double cylinder with European profile

Technical Features

Double cylinder with European profile with 5-pin coding system. Projecting DIN cam. Stack 0.5 mm. The product is supplied with a set of 3 keys in a ring and countersunk flat head fixing screw.



Materials

Cylinder body in nickel-plated brass

Nickel-plated brass cylinder

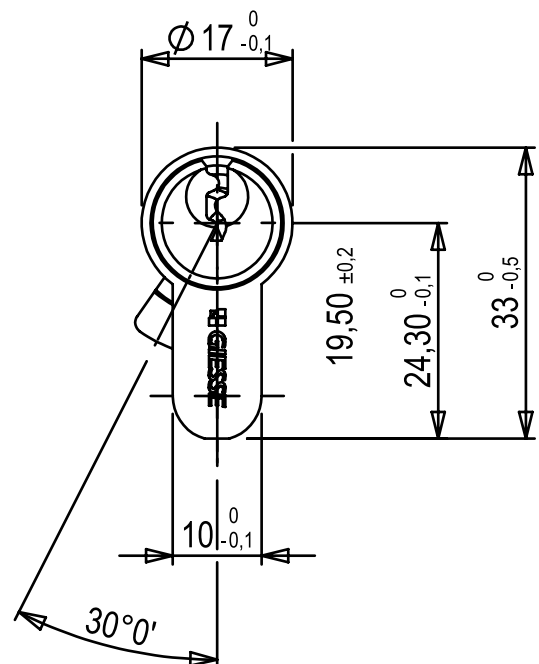
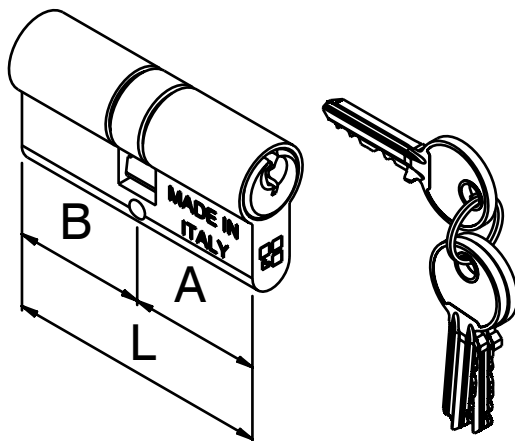
DIN cam in sintered steel

Pins and counter-pins in brass

Springs in stainless steel

Nickel-plated brass key

Zinc plated steel fixing screw



Asia Cylinder Cover Plate

Functions

Cylinder cover plate for European profile cylinder.

Technical Features

Rectangular cover plate for European profile cylinders, composed of a sub-plate to be fixed to the profile with self-threading screws and a cover for snap-mounting to the sub-plate. The plate design matches that of the Asia handle.

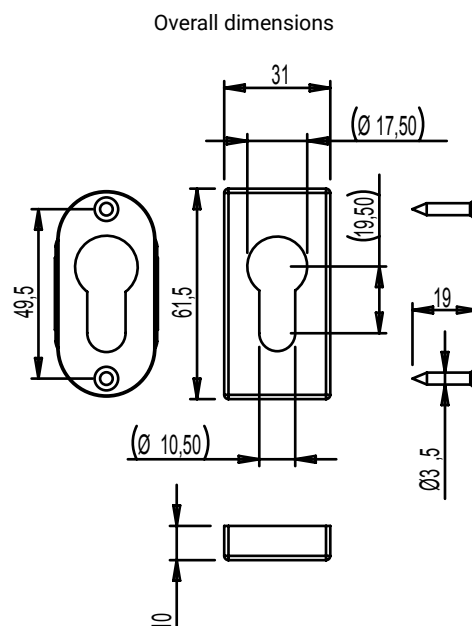


Materials

External cover plate of painted aluminium

Polyamide cover plate sub-base

Zinc plated steel screws



Counterplates

Functions

Counterplates to be combined with the central locks and multipoint locks per doors.

Technical Features

Type 1 and 2

Adjustable stainless steel counterplates to be combined with the door locks. Front fixing in a channel with a cam system for coupling in the channel. Side adjustment $\pm 2\text{mm}$ with the two adapters ready-assembled to the counterplate

Type 3, 4 and 5

Counterplates and set of flat counterplates to be combined with the single and multi-point locks. Front fixing with self-tapping screws. Side adjustment with slots.

Type 6 and 7

Counterplates and set of "U" shaped counterplates to be combined with the single and multi-point locks.

Front fixing with self-tapping screws. Side adjustment with slots.

Type 8

Shim under the front to be used on profile cross-sections with a large stack to improve the grip of the spring latch of the lock on the counterplate.

Type 9

Flat counterplate to be combined with the locks with dead bolt and latch.

Front fixing with self-tapping screws.



Materials

Extruded aluminium hinge bodies

Stainless steel pin, screws and fixing plates

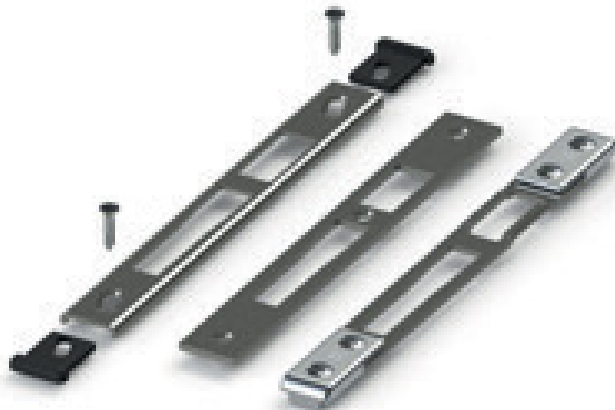
Polyamide bushes

Capacities

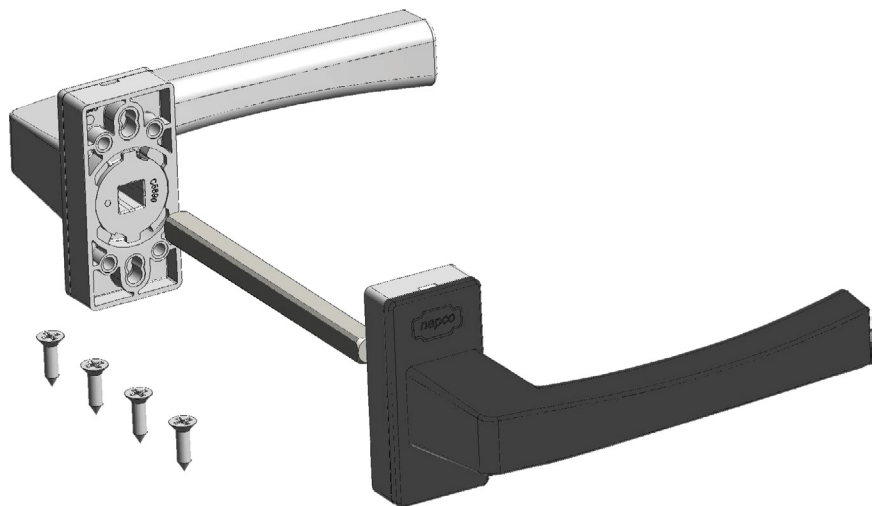
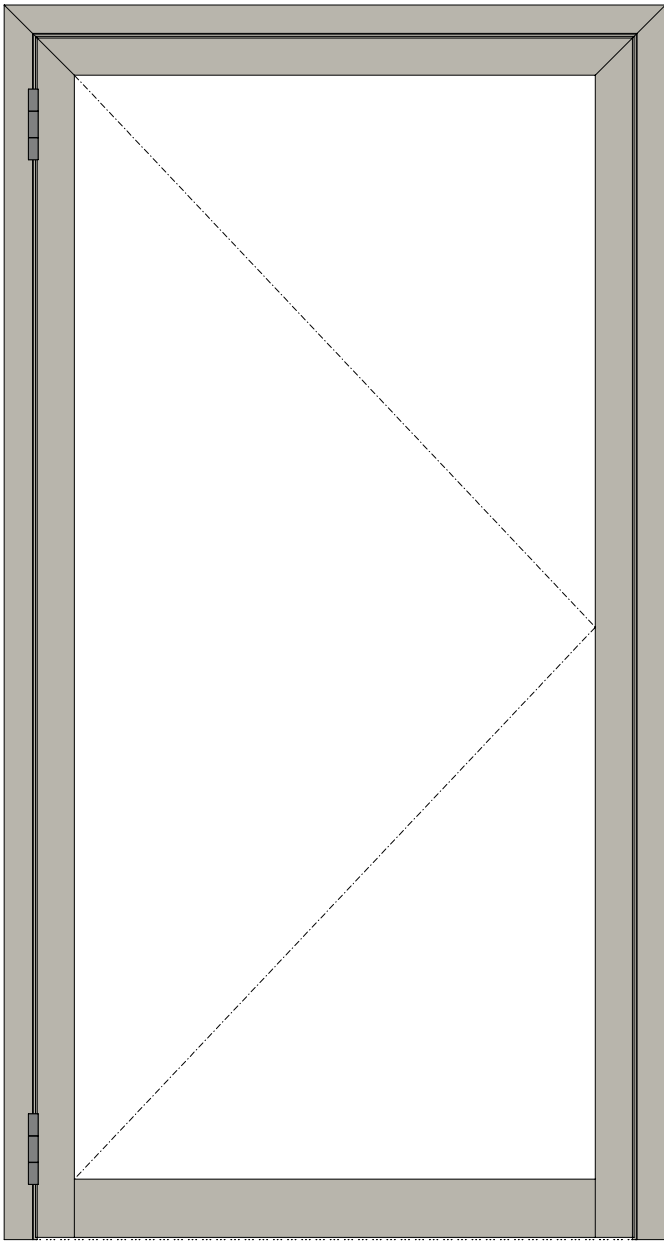
With 2 FLASH BASE hinges: 75 kg

With 3 FLASH BASE hinges: 85 kg

assuming fixtures of 2000 mm height and 1000 mm width.



DOOR SINGLE SASH OPEN OUT



Door Single Sash Open Out

Door Single Sash Open Out / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|--------|-------------------------------------|
|  | 00681 | Celera Hinges |
|  | 00115 | Flash Base 3-Wing Hinge |
|  | 02563 | KORA Door Handle |
|  | 07631 | Locks With Dead Bolt & Spring Latch |
|  | 04492N | European Profile Double Cylinder |
|  | 02431 | Asia Cylinder Cover Plate |
|  | 04658 | Counterplates |

Door Single Sash Open Out

Celera Hinges

Functions

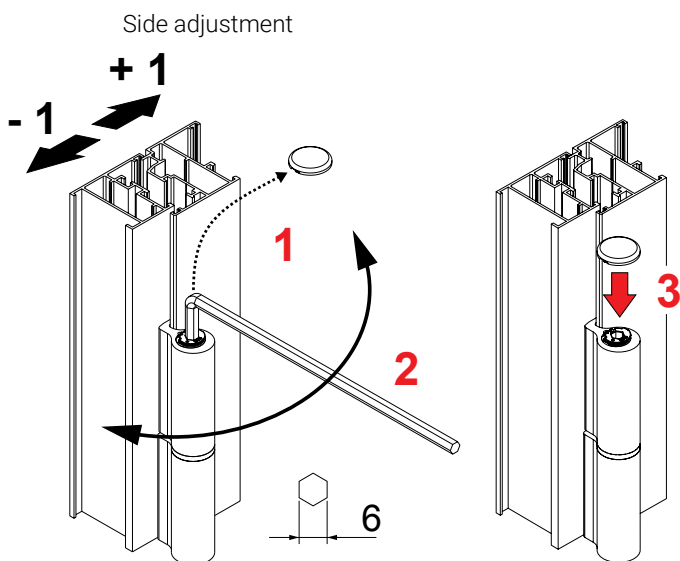
Clamp door hinge for profile with channel.
Side adjustment with door installed.

Technical Features

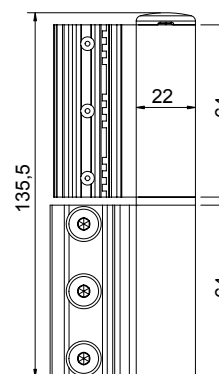
This hinge is suitable for doors subject to intensive use with high resistance to fatigue and wear. Fixing plates of special geometry guarantee the firmest possible attachment on the profile channel. The CELERA hinge is fitted extremely quickly to the sash and frame, even when the fixture has already been installed, thanks to the fixing plates that are preassembled to the hinge bodies (NAPCO RAPID system). It is therefore possible to apply an additional hinge (for example in the center) even after installation without having to dismantle the sash. Side adjustment (± 1 mm), obtainable by turning the eccentric bush in the sash hinge using a 6mm hex wrench.

Materials

Extruded aluminium hinge bodies
 $\varnothing 10$ pin, fixing plates and fixing screws, all stainless steel
Eccentric bush, adjustment locking element and washer made of acetal resin
Polyamide cap



Overall dimensions



Flash Base 3-Wing Hinge

Functions

Two-handed 3-wing hinge, for lightweight window and door fixtures made with channel profile.

Technical Features

Two-handed three wing hinge, suitable for lightweight door fixtures and bottom hung or projecting type windows. Special fixing plates, preassembled with the hinge bodies (NAPCO RAPID system), enable fast installation and faultless positioning of the hinge on already assembled fixtures.

Materials

Extruded aluminium hinge bodies

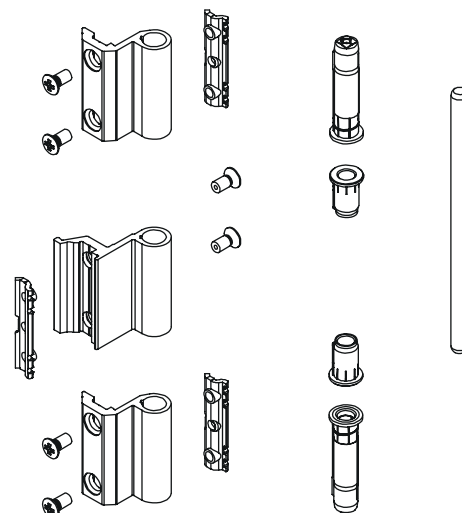
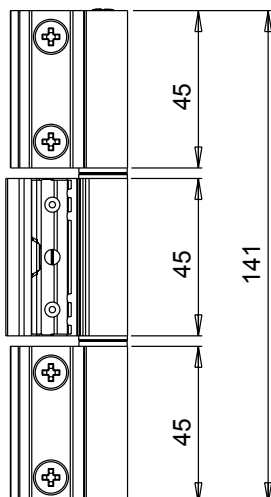
Pin, fixing plates, screws and grub screw, all stainless steel

Acetal resin bushes

Capacities

85 kg with 2 hinges

100 kg with 3 hinges



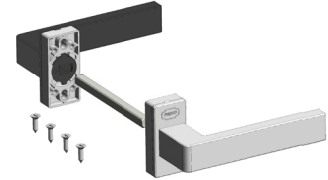
KORA Door Handle

Functions

Two-way sash fastening mechanism. For use on casements that require side-hung sash opening.

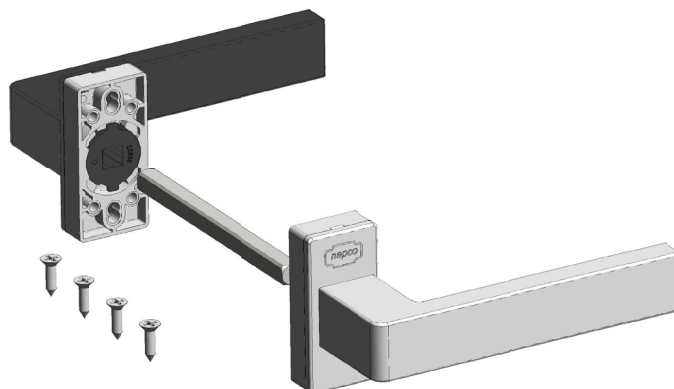
Technical Features

The sash fastening mechanism is available in different versions: fastening by pawls, fastening by Giap terminals, fastening by adjustable terminals and perimeter fastening by corner drives. The fastening mechanism is to be in addition to the Euro or Prima Cremona and the Flash Base hinges.



Materials

Connecting blocks and raiser made of polyamide
Zamak fastening mechanism components
Screws and grub screws in stainless steel



Locks With Dead Bolt & Spring Latch

Functions

Central lock with front closing, slip-on version for aluminum uprights, with spring latch and sliding bolt.

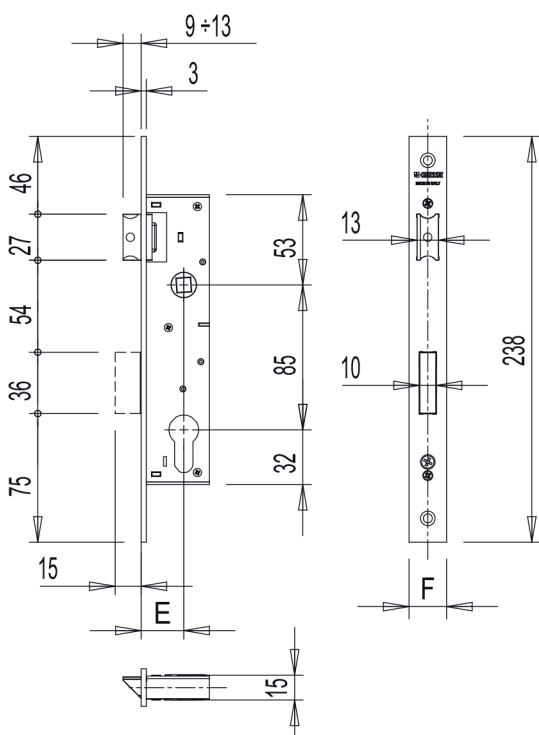
Technical Features

Lock compatible with European profile cylinders, has dead bolt and a reversible spring latch (RH or LH). Bolts operated with the cylinder. Spring latch operated with the cylinder and with the 8mm handle spindle. Cylinder handle C/C distance 85mm. Dead bolt with thickness of 10mm and protrusion of 15mm. 9 to 13mm adjustable spring latch.



Materials

Lock cover plate and case plate in zinc plate steel
Flat front in stainless steel
Nickel plated brass spring latch and bolt
Nickel-plated steel bolt
Zinc plated steel cylinder fixing screw



Door Single Sash Open Out

European Profile Double Cylinder

Functions

Double cylinder with European profile

Technical Features

Double cylinder with European profile with 5-pin coding system. Projecting DIN cam. Stack 0.5 mm. The product is supplied with a set of 3 keys in a ring and countersunk flat head fixing screw.



Materials

Cylinder body in nickel-plated brass

Nickel-plated brass cylinder

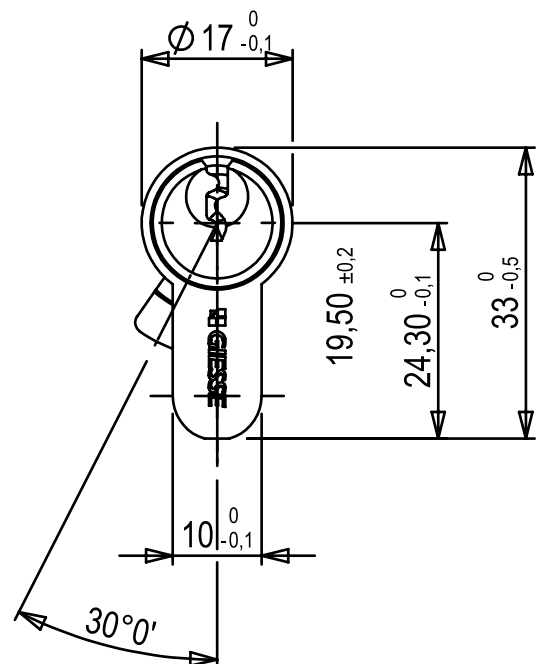
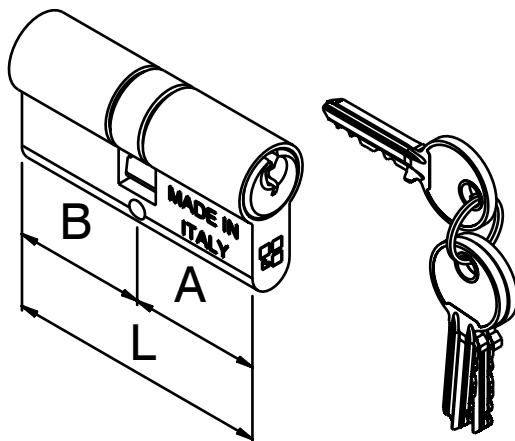
DIN cam in sintered steel

Pins and counter-pins in brass

Springs in stainless steel

Nickel-plated brass key

Zinc plated steel fixing screw



Asia Cylinder Cover Plate

Functions

Cylinder cover plate for European profile cylinder.

Technical Features

Rectangular cover plate for European profile cylinders, composed of a sub-plate to be fixed to the profile with self-threading screws and a cover for snap-mounting to the sub-plate. The plate design matches that of the Asia handle.

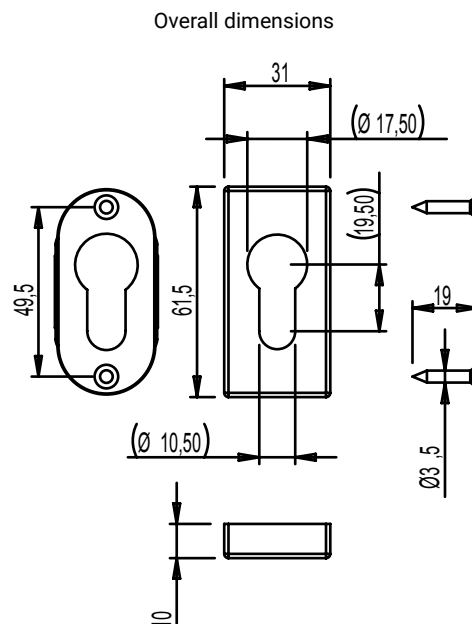


Materials

External cover plate of painted aluminium

Polyamide cover plate sub-base

Zinc plated steel screws



Counterplates

Functions

Counterplates to be combined with the central locks and multipoint locks per doors.

Technical Features

Type 1 and 2

Adjustable stainless steel counterplates to be combined with the door locks. Front fixing in a channel with a cam system for coupling in the channel. Side adjustment $\pm 2\text{mm}$ with the two adapters ready-assembled to the counterplate

Type 3, 4 and 5

Counterplates and set of flat counterplates to be combined with the single and multi-point locks. Front fixing with self-tapping screws. Side adjustment with slots.

Type 6 and 7

Counterplates and set of "U" shaped counterplates to be combined with the single and multi-point locks.

Front fixing with self-tapping screws. Side adjustment with slots.

Type 8

Shim under the front to be used on profile cross-sections with a large stack to improve the grip of the spring latch of the lock on the counterplate.

Type 9

Flat counterplate to be combined with the locks with dead bolt and latch.

Front fixing with self-tapping screws.



Materials

Extruded aluminium hinge bodies

Stainless steel pin, screws and fixing plates

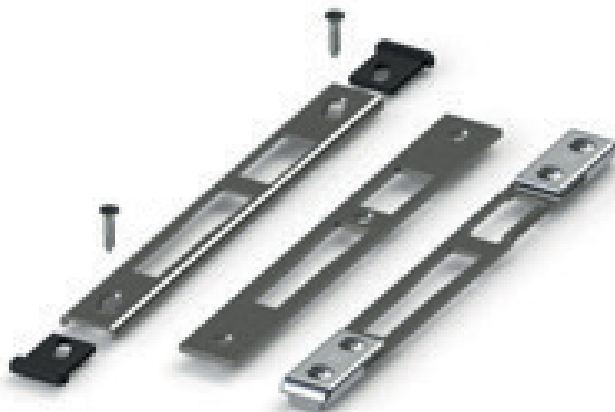
Polyamide bushes

Capacities

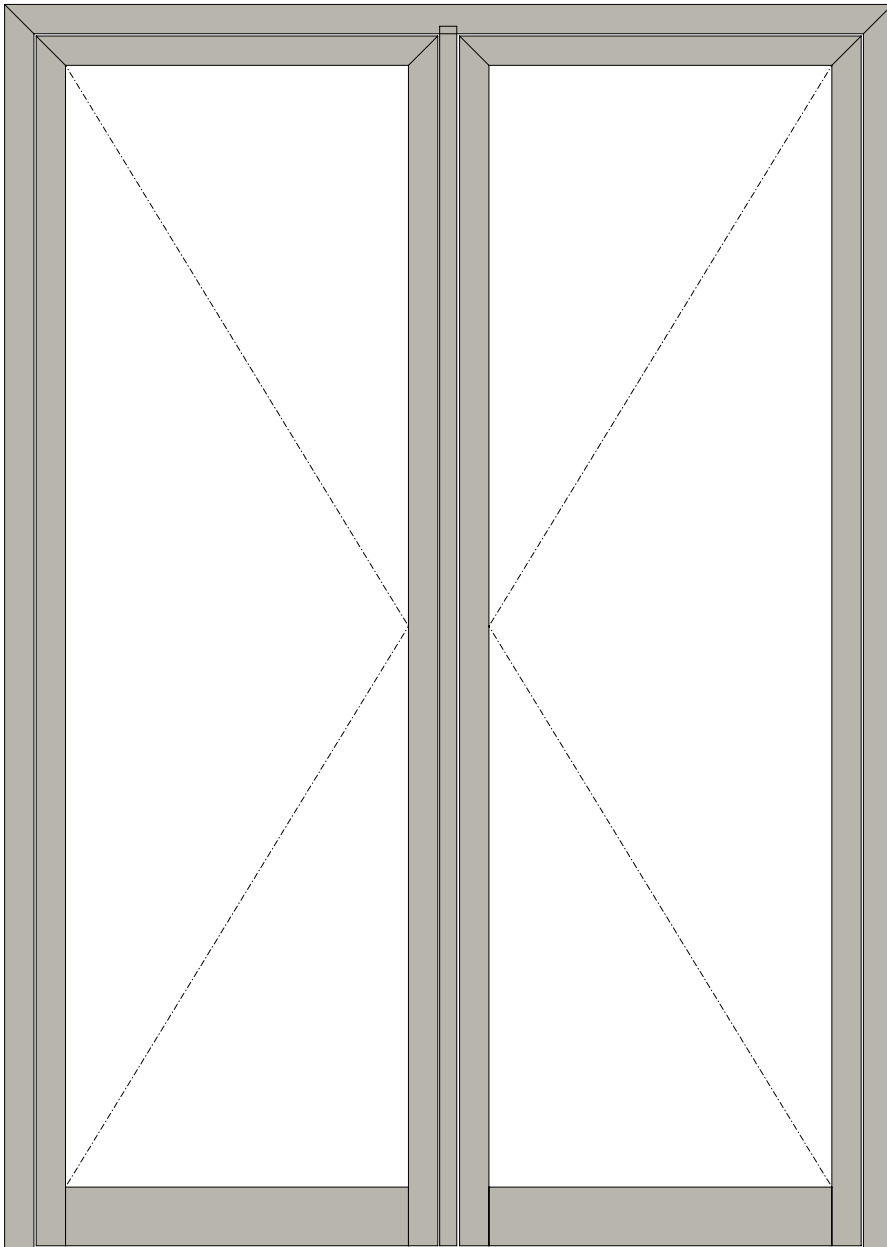
With 2 FLASH BASE hinges: 75 kg

With 3 FLASH BASE hinges: 85 kg

assuming fixtures of 2000 mm height and 1000 mm width.



DOOR DOUBLE SASH OPEN IN

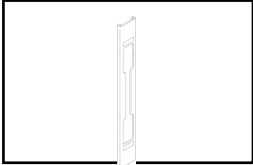
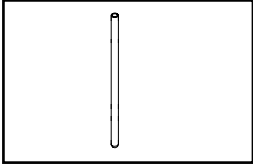
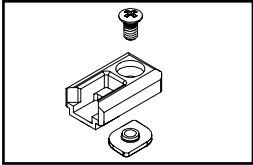



Door Double Sash Open In / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|--------|-------------------------------------|
|  | 00681 | Celera Hinges |
|  | 00115 | Flash Base 3-Wing Hinge |
|  | 02563 | KORA Door Handle |
|  | 07631 | Locks With Dead Bolt & Spring Latch |
|  | 04492N | European Profile Double Cylinder |
|  | 02431 | Asia Cylinder Cover Plate |
|  | 04658 | Counterplates |
|  | 02150 | Pesos Bolts |

Door Double Sash Open In

Door Double Sash Open In / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|-------|-------------------------------|
|  | 02151 | Pesos Front Cover |
|  | 02158 | Pesos Security Terminal |
|  | 01314 | Rod Striker & Third Fastening |
|  | 02144 | Floor Striker Plates |

Celera Hinges

Functions

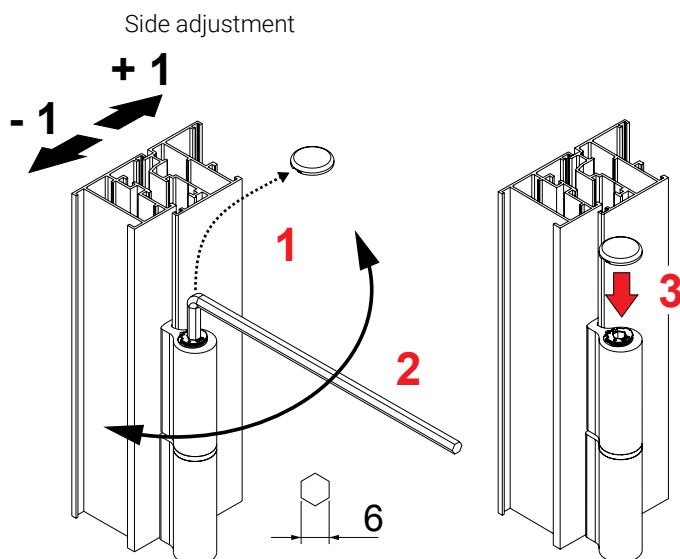
Clamp door hinge for profile with channel.
Side adjustment with door installed.

Technical Features

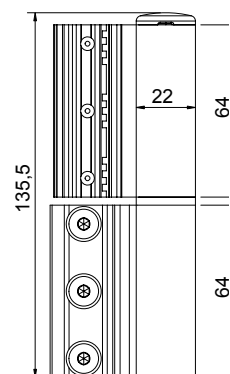
This hinge is suitable for doors subject to intensive use with high resistance to fatigue and wear. Fixing plates of special geometry guarantee the firmest possible attachment on the profile channel. The CELERA hinge is fitted extremely quickly to the sash and frame, even when the fixture has already been installed, thanks to the fixing plates that are preassembled to the hinge bodies (NAPCO RAPID system). It is therefore possible to apply an additional hinge (for example in the center) even after installation without having to dismantle the sash. Side adjustment (± 1 mm), obtainable by turning the eccentric bush in the sash hinge using a 6mm hex wrench.

Materials

Extruded aluminium hinge bodies
 $\text{Ø}10$ pin, fixing plates and fixing screws, all stainless steel
Eccentric bush, adjustment locking element and washer made of acetal resin
Polyamide cap



Overall dimensions



Flash Base 3-Wing Hinge

Functions

Two-handed 3-wing hinge, for lightweight window and door fixtures made with channel profile.

Technical Features

Two-handed three wing hinge, suitable for lightweight door fixtures and bottom hung or projecting type windows. Special fixing plates, preassembled with the hinge bodies (NAPCO RAPID system), enable fast installation and faultless positioning of the hinge on already assembled fixtures.

Materials

Extruded aluminium hinge bodies

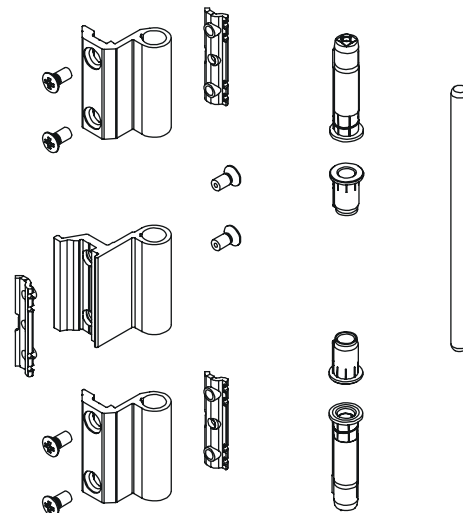
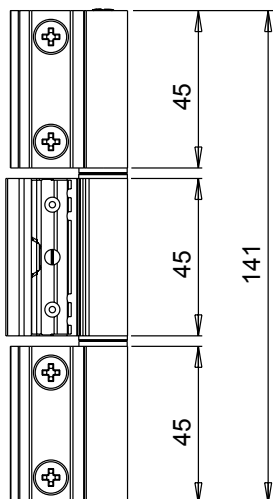
Pin, fixing plates, screws and grub screw, all stainless steel

Acetal resin bushes

Capacities

85 kg with 2 hinges

100 kg with 3 hinges



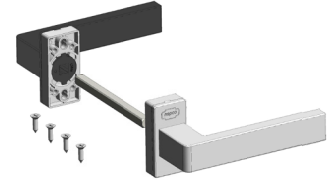
KORA Door Handle

Functions

Two-way sash fastening mechanism. For use on casements that require side-hung sash opening.

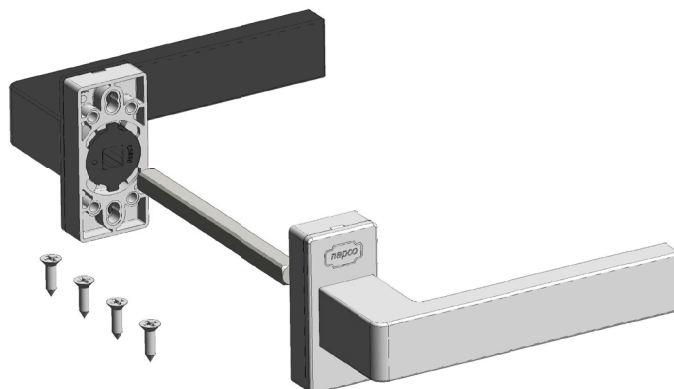
Technical Features

The sash fastening mechanism is available in different versions: fastening by pawls, fastening by Giap terminals, fastening by adjustable terminals and perimeter fastening by corner drives. The fastening mechanism is to be in addition to the Euro or Prima Cremona and the Flash Base hinges.



Materials

Connecting blocks and raiser made of polyamide
Zamak fastening mechanism components
Screws and grub screws in stainless steel



Door Double Sash Open In

Asia Handle

Functions

Pair of aluminium handles, reversible with stop, for fitting on the upright or centre rail of the door.

Technical Features

The ASIA door handle comprises a base and a rotor which, combined with a return spring, enables reversible operation and horizontal positioning of the handle. Instant access to the fixing screws by simply rotating the plate cover. The double C/C distance of the drilling, 43 and 50 mm, enables the handle to be fitted on the majority of profiles available on the market. Fixing to the profile is done with the self-tapping screws $\text{Ø} 4.2 \times 16$ supplied with the handle. The base has 4 holes, with c/c distance 38 mm, for using additional screws (not provided) when changing the handle. The handle rotor is equipped with a mechanical stop that safeguards the end stroke of the spring, preventing damage and consequent breakage, in case of incorrect operation. The 110 mm square pin supplied lets you install the handle on profiles from 78 to 82 mm wide (without cutting the pin). The handle is protected and finished using the NAPCO painting system, which guarantees high quality surfaces, uniformity of colour and excellent resistance to abrasions. The components are pretreated to guarantee resistance to surface scaling.



Materials

Handle in die-cast aluminium

Rotor in zinc plated zamak

Self-forming screw for fixing to the rotor made of zinc-plated steel

Base and cover made of painted zamak

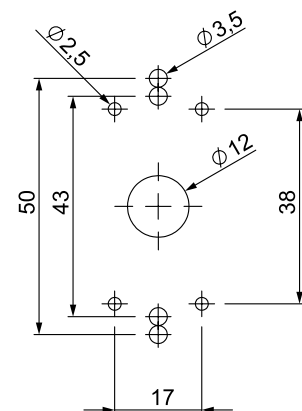
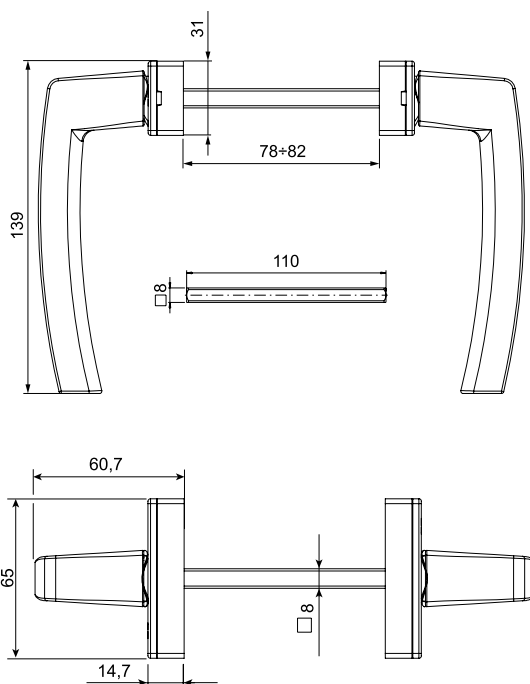
Compression spring made of stainless steel

Steel return spring

Screws for fixing to the profile and square pin

8x8x110 in zinc plated steel

Shim washers made of acetal resin



Locks With Dead Bolt & Spring Latch

Functions

Central lock with front closing, slip-on version for aluminum uprights, with spring latch and sliding bolt.

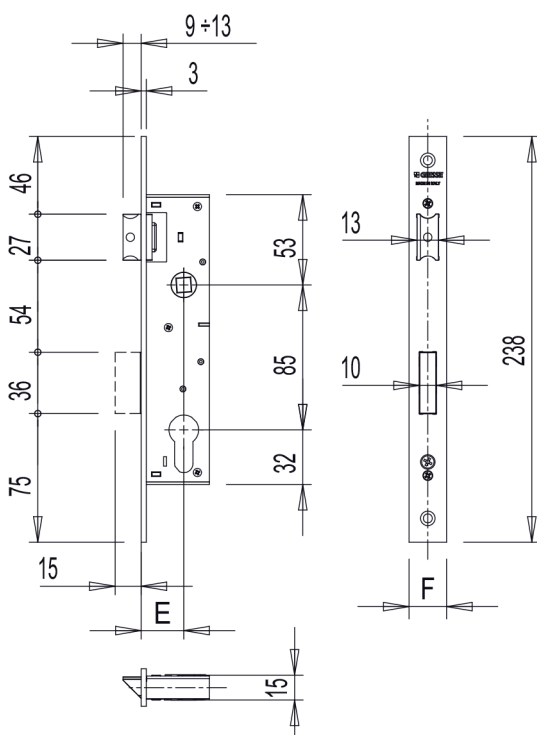
Technical Features

Lock compatible with European profile cylinders, has dead bolt and a reversible spring latch (RH or LH). Bolts operated with the cylinder. Spring latch operated with the cylinder and with the 8mm handle spindle. Cylinder handle C/C distance 85mm. Dead bolt with thickness of 10mm and protrusion of 15mm. 9 to 13mm adjustable spring latch.



Materials

Lock cover plate and case plate in zinc plate steel
Flat front in stainless steel
Nickel plated brass spring latch and bolt
Nickel-plated steel bolt
Zinc plated steel cylinder fixing screw



European Profile Double Cylinder

Functions

Double cylinder with European profile

Technical Features

Double cylinder with European profile with 5-pin coding system. Projecting DIN cam. Stack 0.5 mm. The product is supplied with a set of 3 keys in a ring and countersunk flat head fixing screw.



Materials

Cylinder body in nickel-plated brass

Nickel-plated brass cylinder

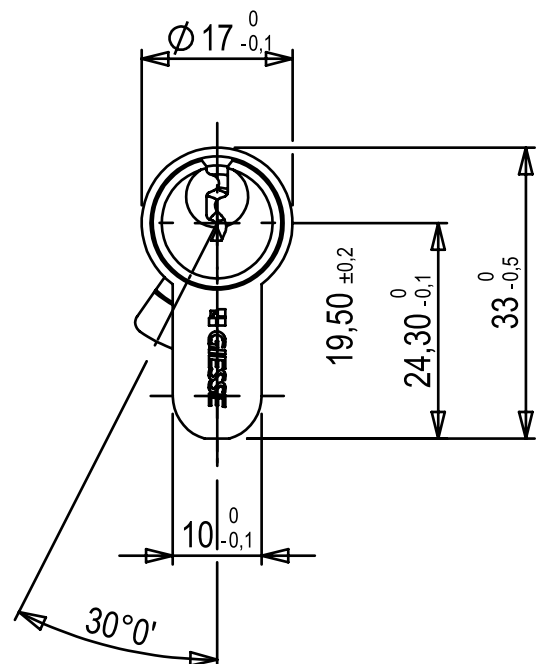
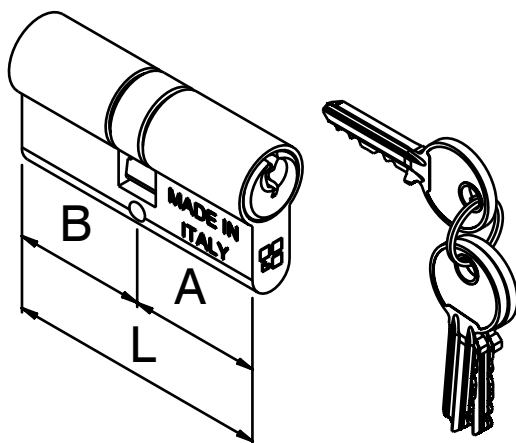
DIN cam in sintered steel

Pins and counter-pins in brass

Springs in stainless steel

Nickel-plated brass key

Zinc plated steel fixing screw



Asia Cylinder Cover Plate

Functions

Cylinder cover plate for European profile cylinder.

Technical Features

Rectangular cover plate for European profile cylinders, composed of a sub-plate to be fixed to the profile with self-threading screws and a cover for snap-mounting to the sub-plate. The plate design matches that of the Asia handle.

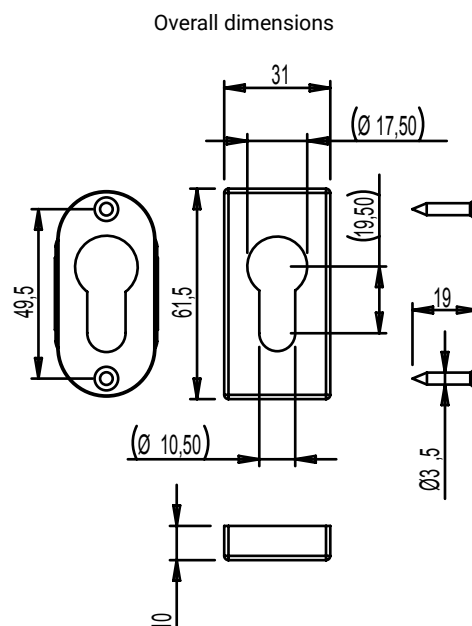


Materials

External cover plate of painted aluminium

Polyamide cover plate sub-base

Zinc plated steel screws



Counterplates

Functions

Counterplates to be combined with the central locks and multipoint locks per doors.

Technical Features

Type 1 and 2

Adjustable stainless steel counterplates to be combined with the door locks. Front fixing in a channel with a cam system for coupling in the channel. Side adjustment ± 2 mm with the two adapters ready-assembled to the counterplate

Type 3, 4 and 5

Counterplates and set of flat counterplates to be combined with the single and multi-point locks. Front fixing with self-tapping screws. Side adjustment with slots.

Type 6 and 7

Counterplates and set of "U" shaped counterplates to be combined with the single and multi-point locks.

Front fixing with self-tapping screws. Side adjustment with slots.

Type 8

Shim under the front to be used on profile cross-sections with a large stack to improve the grip of the spring latch of the lock on the counterplate.

Type 9

Flat counterplate to be combined with the locks with dead bolt and latch.

Front fixing with self-tapping screws.

Materials

Extruded aluminium hinge bodies

Stainless steel pin, screws and fixing plates

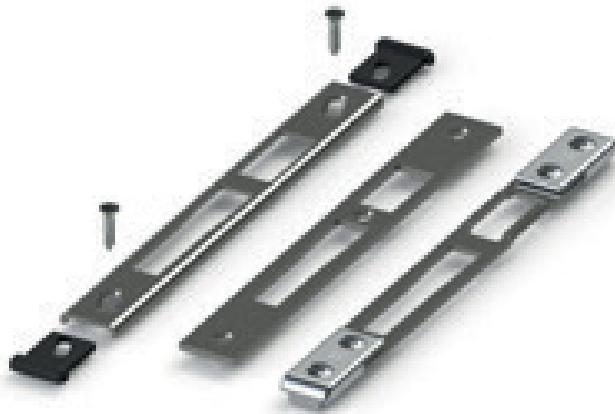
Polyamide bushes

Capacities

With 2 FLASH BASE hinges: 75 kg

With 3 FLASH BASE hinges: 85 kg

assuming fixtures of 2000 mm height and 1000 mm width.



Pesos Bolts

Functions

One-way recessed lever bolt for doors.
To be combined with the aluminium front cover.

Technical Features

Bolt suited for mounting on doors for frequent use. Reversible it is applied on the profile, both at the top and at the bottom of the door. The lever operation allows you to gradually exert a great force on the bolt tip. Bolt tip stroke 18 mm. It is recessed, by machining the profile. Prepared for a double drilling diameter, it uses operating rods of $\varnothing 6$ mm or $\varnothing 8$ mm. Can be combined with the casing that can be painted in standard RAL colours to be fitted onto the body of the bolt. The bolt can be combined:

- to the safety terminal $\varnothing 8$ mm with cut-proof characteristics, in order to ensure a great hold on the strikers and high burglar resistance. It is joined to the bolt with an M6 threaded die cut to size by the user
- to the reversible rod guide, with double holes for rods $\varnothing 6$ and $\varnothing 8$ to be applied on the uprights in the case of kickplates, to keep the terminal in line inside the tubular profile.



Materials

Bolt and front cover

- Body and lever made of die-cast zamak
- Tempered steel springs
- Extruded aluminium cover
- Stainless steel fixing screws

Security terminal

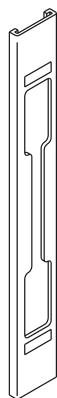
- Pin $\varnothing 8$ made of cut-proof carbonitrided steel

Rod guide

- Zinc plated steel

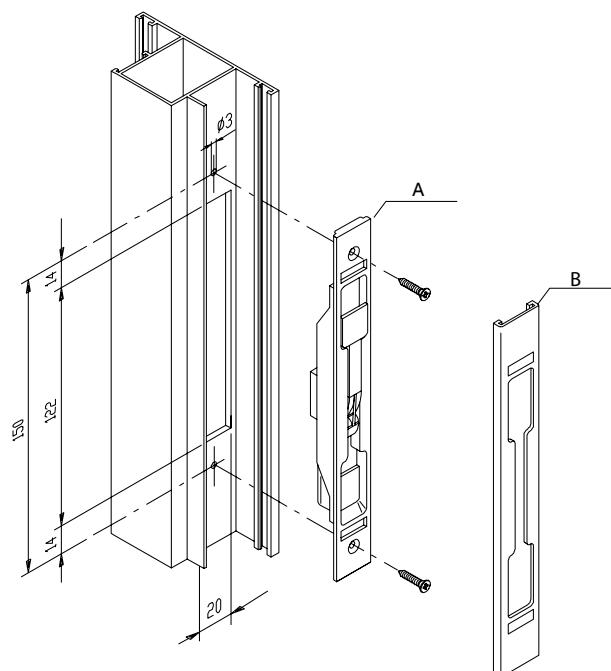


art. 02151



A = art. 02150

B = art. 02151



Pesos Front Cover

Functions

Element in extruded aluminium for snap fitting on PESOS bolt (art.02150).

Technical Features

It does not affect the operation of the bolt while making it possible to match the PESOS bolt with the different finishes of the doors and to conceal the fixing screws.

Finish

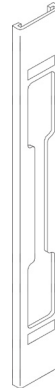
Natural, Anodized silver and bronze, ElettroNAPCO 5/9, Painted in RALcolours

Packaging

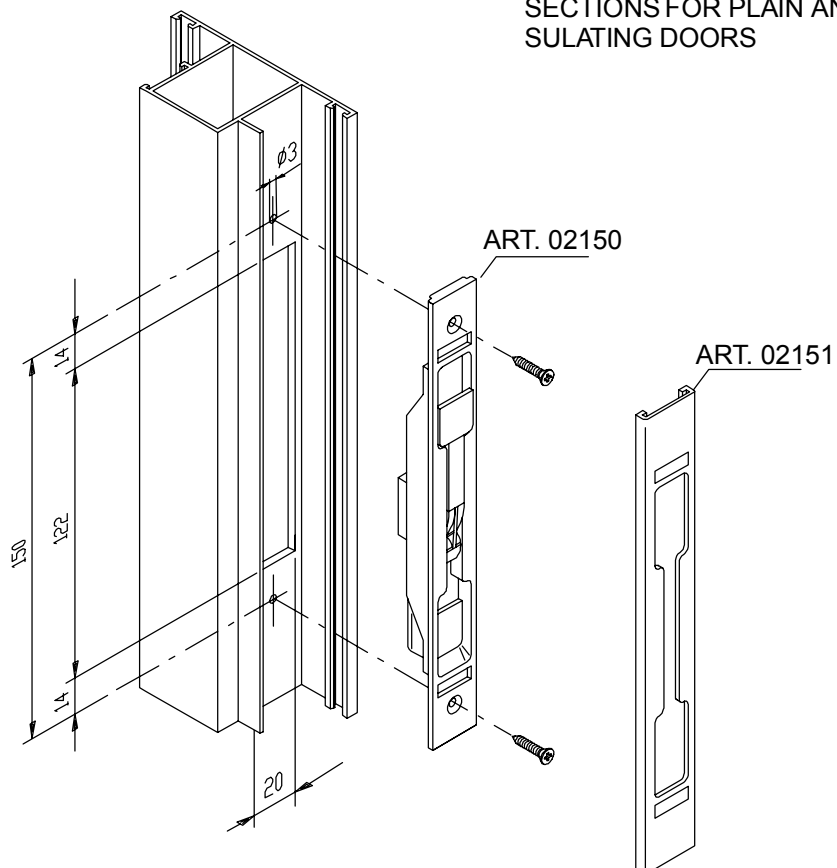
Box of 50 units

Materials

Extruded aluminium



APPLICATION ON SPECIFIC
SECTIONS FOR PLAIN AND IN-
SULATING DOORS



Pesos Security Terminal

Functions

Galvanized carbonitrided steel pin diam. 8 mm to be combined with the PESOS bolt.

Technical Features

This pin is combined with the PESOS bolt using art. 02340 (rod guide) solving problems associated with functionality, strength and security as it is cut-proof. It is combined with the PESOS bolt art. 02150 by means of an M6 threaded element cut to size by the user.

Finish

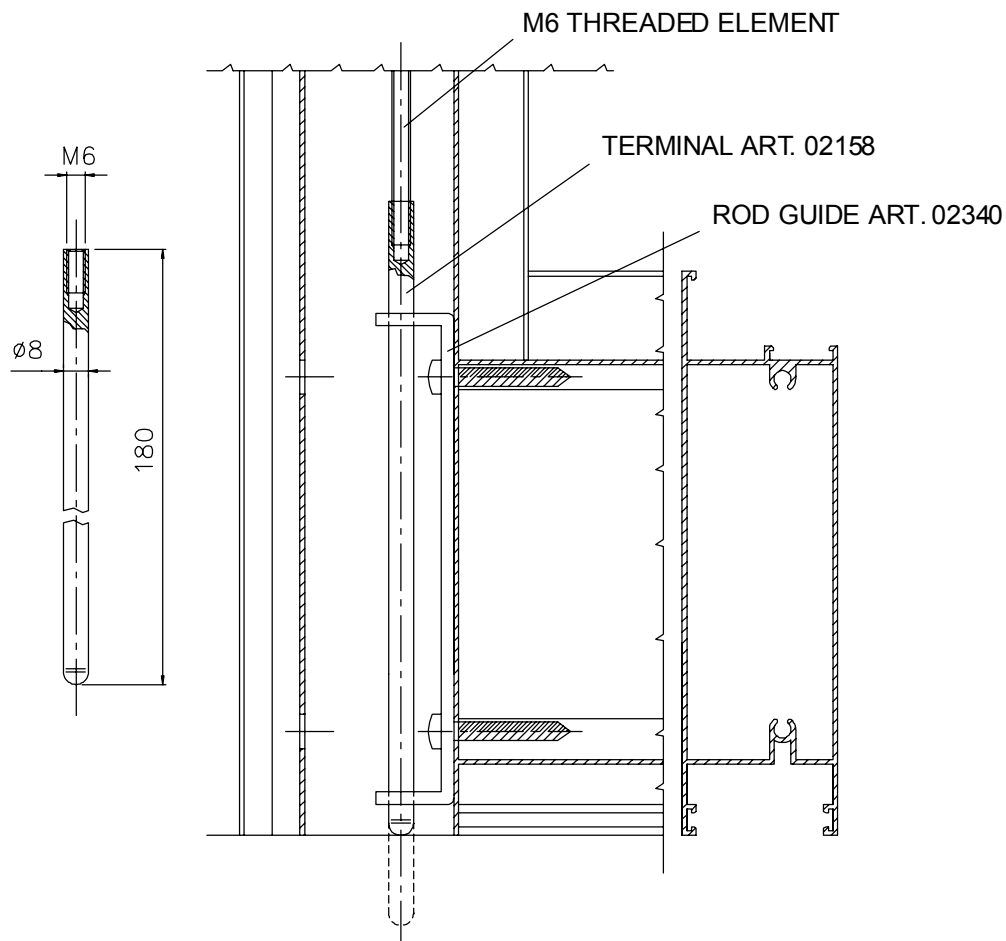
Natural

Packaging

Box of 50 units

Materials

Carbonitrided steel pin



Rod Striker & Third Fastening

Functions

Designed for installation at the top and bottom of window frames with one or more sashes with the function of accommodating NAPCO bolt terminals and rods or suitably profiled cremone lever lock rods.

Technical Features

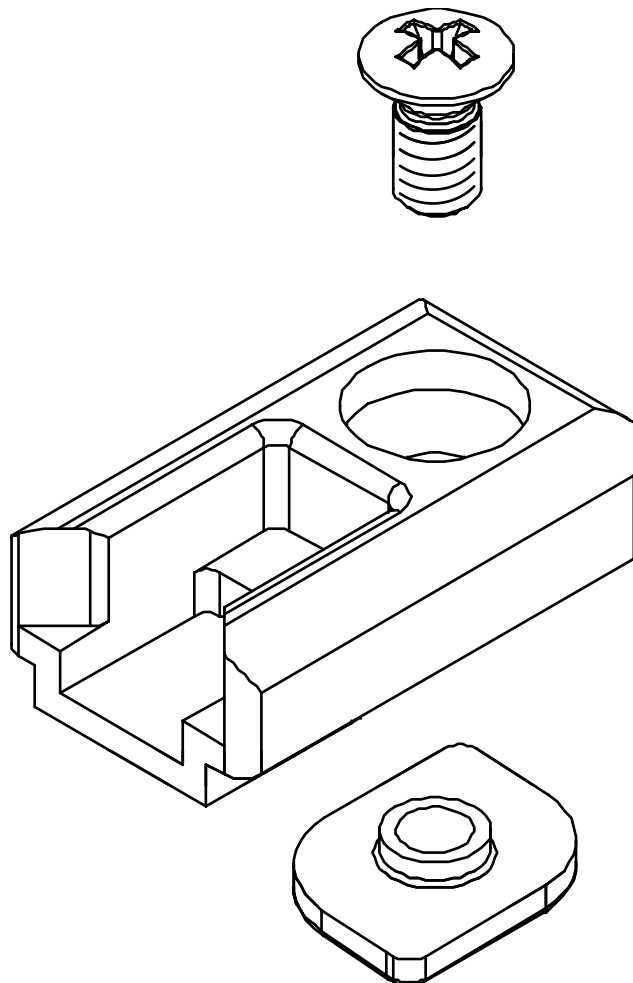
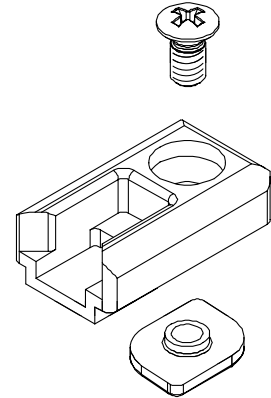
Specifically designed for use with frames having a 14/18 mm channel. Window frames with two sashes must be fitted with two strikers at the bottom ends of the stiles and two at the top ends (one for the terminal and one for the bolt). Rapid fixing is provided by a threaded cam plate and screw. Can be utilized as a third fastening by taking advantage of the projection on the cremone lever connecting blocks or in combination with the pins of supplementary fastenings. Designed to accommodate NAPCO cremone lever and bolt lock rods and GIAP / SUPERGIAP bolts.

Parts

- 1 threaded cam plate
- 1 M5 x 10 oval head c/sunk crosshead screw

Materials

- Galvanized steel screw
- Striker in GS500 Zamak
- Stainless steel cam plate

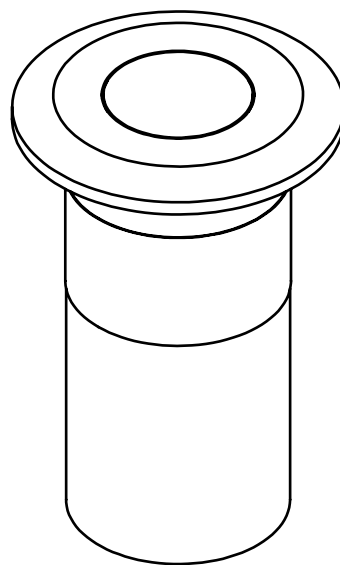


Floor Striker Plates

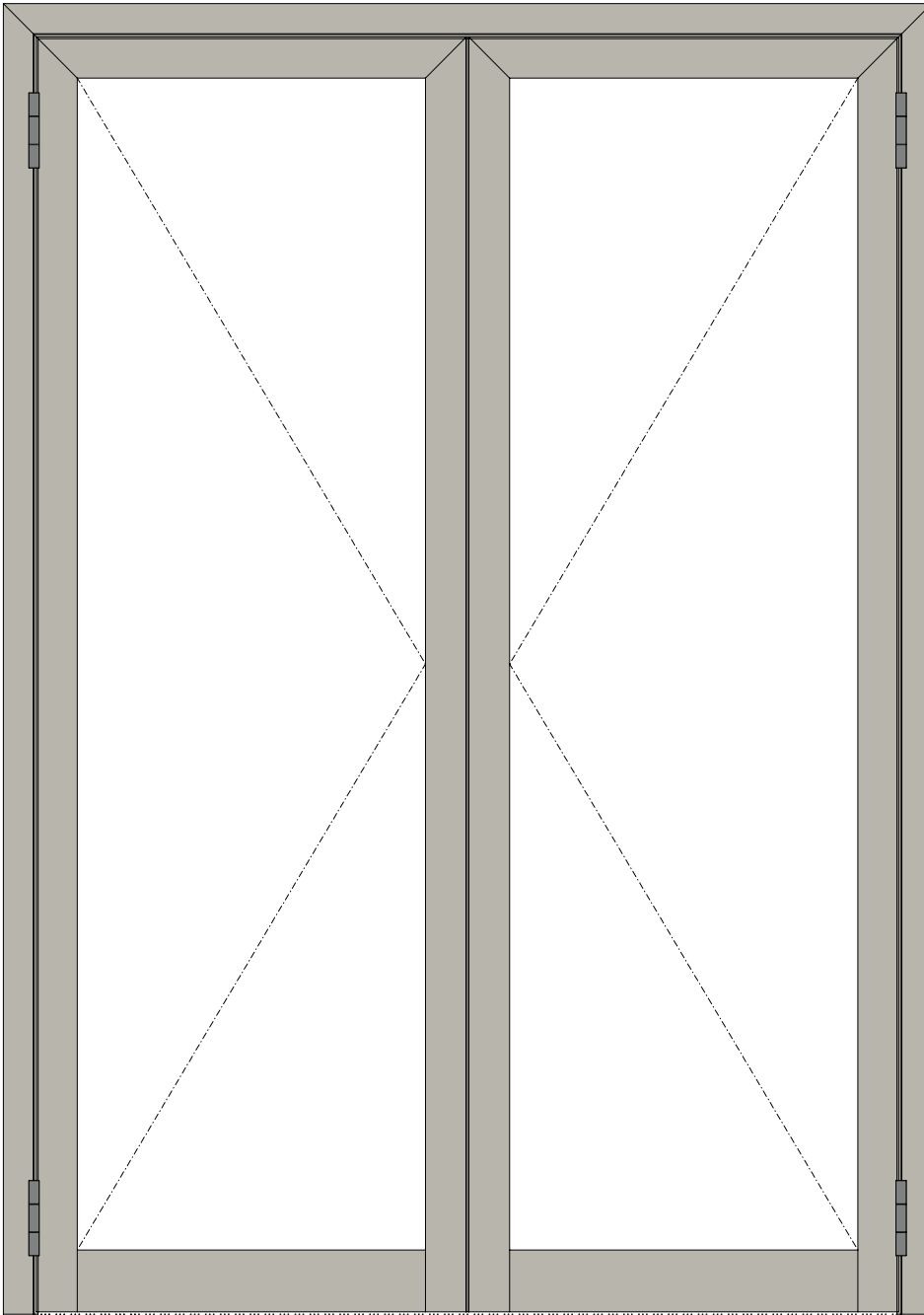
Functions

Strikers and bushings to combine with rods and bolts, if the threshold is used as counter-frame.

Technical Features





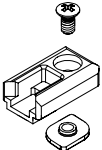

DOOR DOUBLE SASH OPEN OUT



Door Double Sash Open Out / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|--------|-------------------------------------|
|  | 00681 | Celera Hinges |
|  | 00115 | Flash Base 3-Wing Hinge |
|  | 02563 | KORA Door Handle |
|  | 07631 | Locks With Dead Bolt & Spring Latch |
|  | 04492N | European Profile Double Cylinder |
|  | 02431 | Asia Cylinder Cover Plate |
|  | 04658 | Counterplates |
|  | 02150 | Pesos Bolts |

Door Double Sash Open In / N45 Casement & Cloud 60 & 55

| Picture | Code | Description |
|---|--------------|---|
|  | <p>02151</p> | <p>Pesos Front Cover</p> |
|  | <p>02158</p> | <p>Pesos Security Terminal</p> |
|  | <p>01314</p> | <p>Rod Striker & Third Fastening</p> |
|  | <p>02144</p> | <p>Floor Striker Plates</p> |

Celera Hinges

Functions

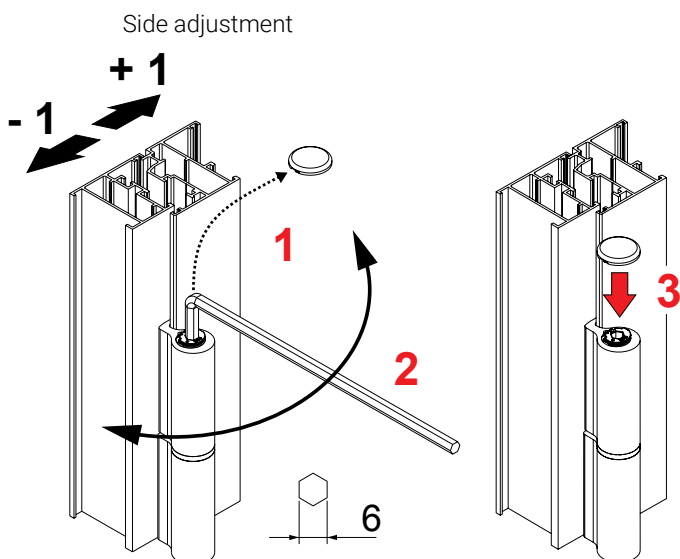
Clamp door hinge for profile with channel.
Side adjustment with door installed.

Technical Features

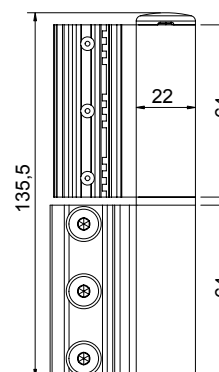
This hinge is suitable for doors subject to intensive use with high resistance to fatigue and wear. Fixing plates of special geometry guarantee the firmest possible attachment on the profile channel. The CELERA hinge is fitted extremely quickly to the sash and frame, even when the fixture has already been installed, thanks to the fixing plates that are preassembled to the hinge bodies (NAPCO RAPID system). It is therefore possible to apply an additional hinge (for example in the center) even after installation without having to dismantle the sash. Side adjustment (± 1 mm), obtainable by turning the eccentric bush in the sash hinge using a 6mm hex wrench.

Materials

Extruded aluminium hinge bodies
 $\varnothing 10$ pin, fixing plates and fixing screws, all stainless steel
Eccentric bush, adjustment locking element and washer made of acetal resin
Polyamide cap



Overall dimensions



Flash Base 3-Wing Hinge

Functions

Two-handed 3-wing hinge, for lightweight window and door fixtures made with channel profile.

Technical Features

Two-handed three wing hinge, suitable for lightweight door fixtures and bottom hung or projecting type windows. Special fixing plates, preassembled with the hinge bodies (NAPCO RAPID system), enable fast installation and faultless positioning of the hinge on already assembled fixtures.

Materials

Extruded aluminium hinge bodies

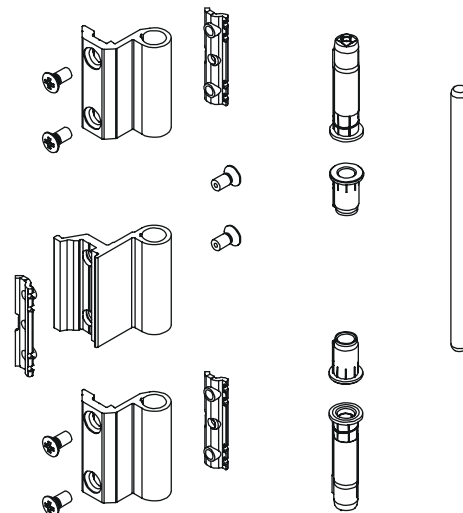
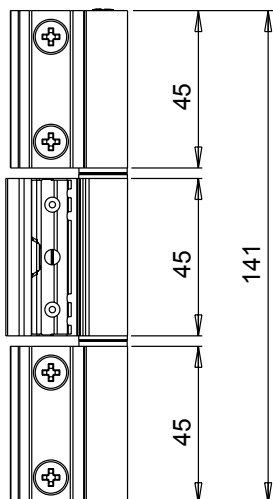
Pin, fixing plates, screws and grub screw, all stainless steel

Acetal resin bushes

Capacities

85 kg with 2 hinges

100 kg with 3 hinges



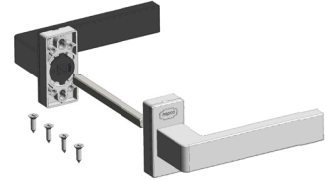
KORA Door Handle

Functions

Two-way sash fastening mechanism. For use on casements that require side-hung sash opening.

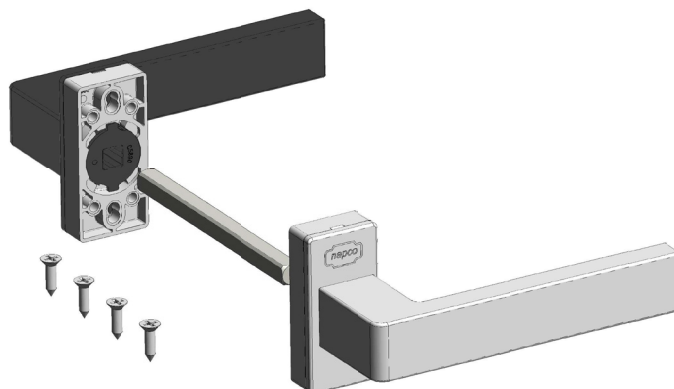
Technical Features

The sash fastening mechanism is available in different versions: fastening by pawls, fastening by Giap terminals, fastening by adjustable terminals and perimeter fastening by corner drives. The fastening mechanism is to be in addition to the Euro or Prima Cremona and the Flash Base hinges.



Materials

Connecting blocks and raiser made of polyamide
Zamak fastening mechanism components
Screws and grub screws in stainless steel



Locks With Dead Bolt & Spring Latch

Functions

Central lock with front closing, slip-on version for aluminum uprights, with spring latch and sliding bolt.

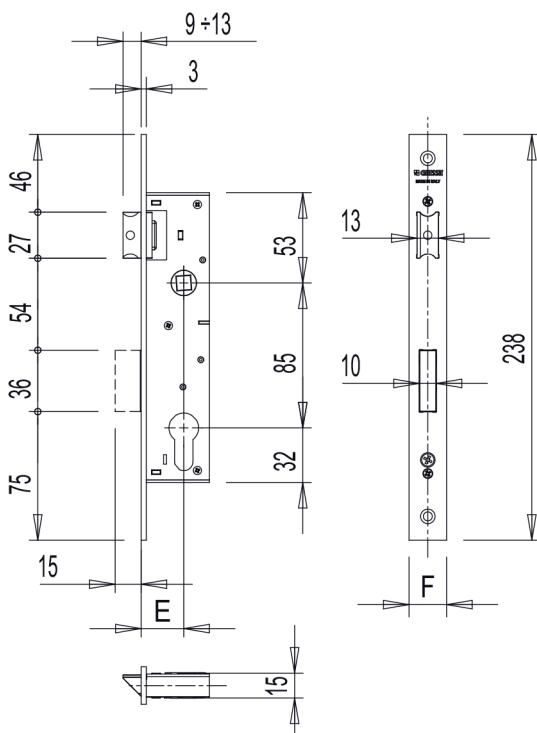
Technical Features

Lock compatible with European profile cylinders, has dead bolt and a reversible spring latch (RH or LH). Bolts operated with the cylinder. Spring latch operated with the cylinder and with the 8mm handle spindle. Cylinder handle C/C distance 85mm. Dead bolt with thickness of 10mm and protrusion of 15mm. 9 to 13mm adjustable spring latch.



Materials

Lock cover plate and case plate in zinc plate steel
 Flat front in stainless steel
 Nickel plated brass spring latch and bolt
 Nickel-plated steel bolt
 Zinc plated steel cylinder fixing screw



Door Double Sash Open Out

European Profile Double Cylinder

Functions

Double cylinder with European profile

Technical Features

Double cylinder with European profile with 5-pin coding system. Projecting DIN cam. Stack 0.5 mm. The product is supplied with a set of 3 keys in a ring and countersunk flat head fixing screw.



Materials

Cylinder body in nickel-plated brass

Nickel-plated brass cylinder

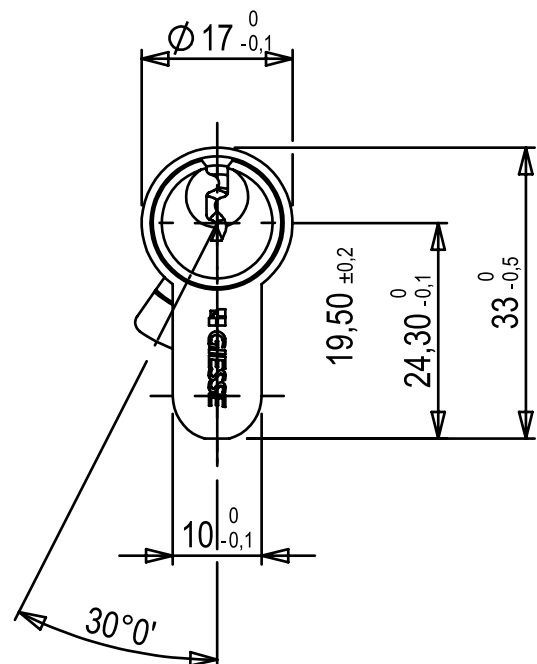
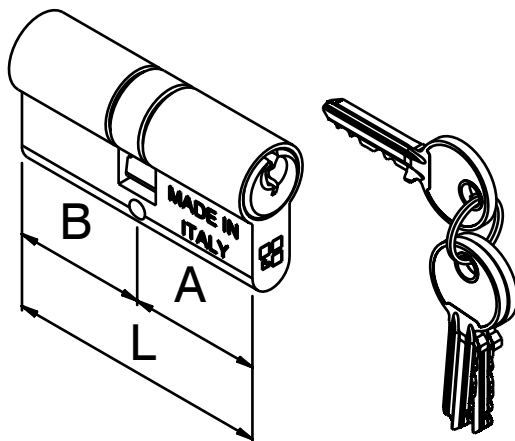
DIN cam in sintered steel

Pins and counter-pins in brass

Springs in stainless steel

Nickel-plated brass key

Zinc plated steel fixing screw



Asia Cylinder Cover Plate

Functions

Cylinder cover plate for European profile cylinder.

Technical Features

Rectangular cover plate for European profile cylinders, composed of a sub-plate to be fixed to the profile with self-threading screws and a cover for snap-mounting to the sub-plate. The plate design matches that of the Asia handle.

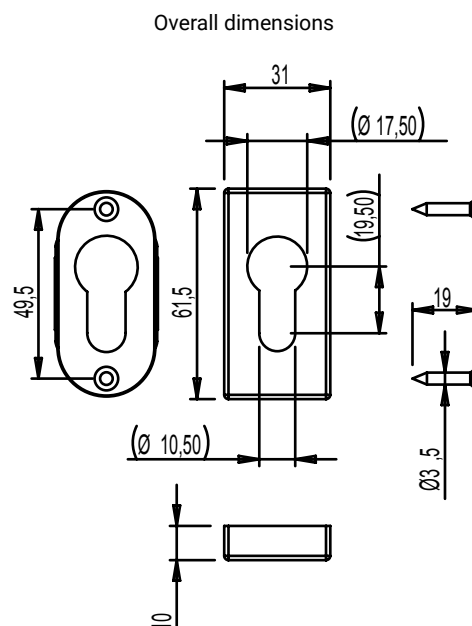


Materials

External cover plate of painted aluminium

Polyamide cover plate sub-base

Zinc plated steel screws



Counterplates

Functions

Counterplates to be combined with the central locks and multipoint locks per doors.

Technical Features

Type 1 and 2

Adjustable stainless steel counterplates to be combined with the door locks. Front fixing in a channel with a cam system for coupling in the channel. Side adjustment $\pm 2\text{mm}$ with the two adapters ready-assembled to the counterplate

Type 3, 4 and 5

Counterplates and set of flat counterplates to be combined with the single and multi-point locks. Front fixing with self-tapping screws. Side adjustment with slots.

Type 6 and 7

Counterplates and set of "U" shaped counterplates to be combined with the single and multi-point locks. Front fixing with self-tapping screws. Side adjustment with slots.

Type 8

Shim under the front to be used on profile cross-sections with a large stack to improve the grip of the spring latch of the lock on the counterplate.

Type 9

Flat counterplate to be combined with the locks with dead bolt and latch. Front fixing with self-tapping screws.

Materials

Extruded aluminium hinge bodies

Stainless steel pin, screws and fixing plates

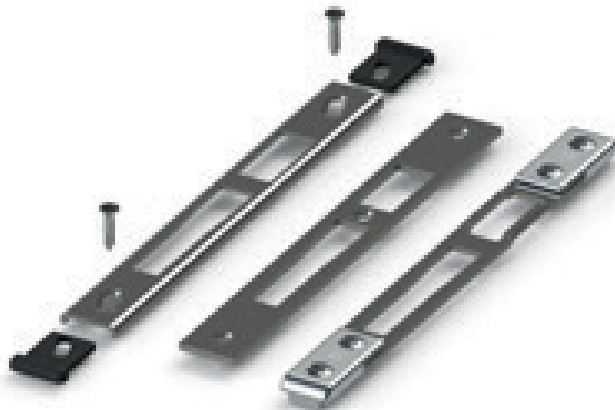
Polyamide bushes

Capacities

With 2 FLASH BASE hinges: 75 kg

With 3 FLASH BASE hinges: 85 kg

assuming fixtures of 2000 mm height and 1000 mm width.



Pesos Bolts

Functions

One-way recessed lever bolt for doors.
To be combined with the aluminium front cover.

Technical Features

Bolt suited for mounting on doors for frequent use. Reversible it is applied on the profile, both at the top and at the bottom of the door. The lever operation allows you to gradually exert a great force on the bolt tip. Bolt tip stroke 18 mm. It is recessed, by machining the profile. Prepared for a double drilling diameter, it uses operating rods of $\varnothing 6$ mm or $\varnothing 8$ mm. Can be combined with the casing that can be painted in standard RAL colours to be fitted onto the body of the bolt. The bolt can be combined:

- to the safety terminal $\varnothing 8$ mm with cut-proof characteristics, in order to ensure a great hold on the strikers and high burglar resistance. It is joined to the bolt with an M6 threaded die cut to size by the user
- to the reversible rod guide, with double holes for rods $\varnothing 6$ and $\varnothing 8$ to be applied on the uprights in the case of kickplates, to keep the terminal in line inside the tubular profile.



Materials

Bolt and front cover

- Body and lever made of die-cast zamak
- Tempered steel springs
- Extruded aluminium cover
- Stainless steel fixing screws

Security terminal

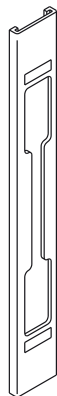
- Pin $\varnothing 8$ made of cut-proof carbonitrided steel

Rod guide

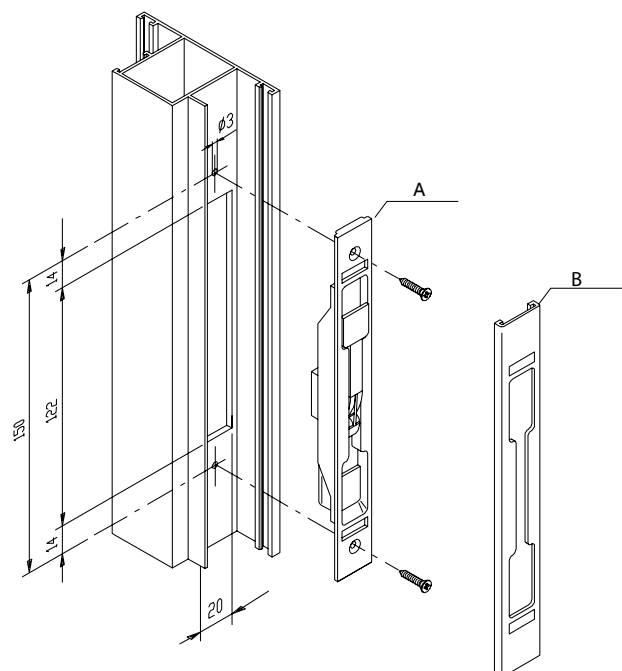
- Zinc plated steel



art. 02151



A = art. 02150
B = art. 02151



Door Double Sash Open Out

Pesos Front Cover

Functions

Element in extruded aluminium for snap fitting on PESOS bolt (art.02150).

Technical Features

It does not affect the operation of the bolt while making it possible to match the PESOS bolt with the different finishes of the doors and to conceal the fixing screws.

Finish

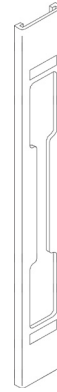
Natural, Anodized silver and bronze, ElettroNAPCO 5/9, Painted in RALcolours

Packaging

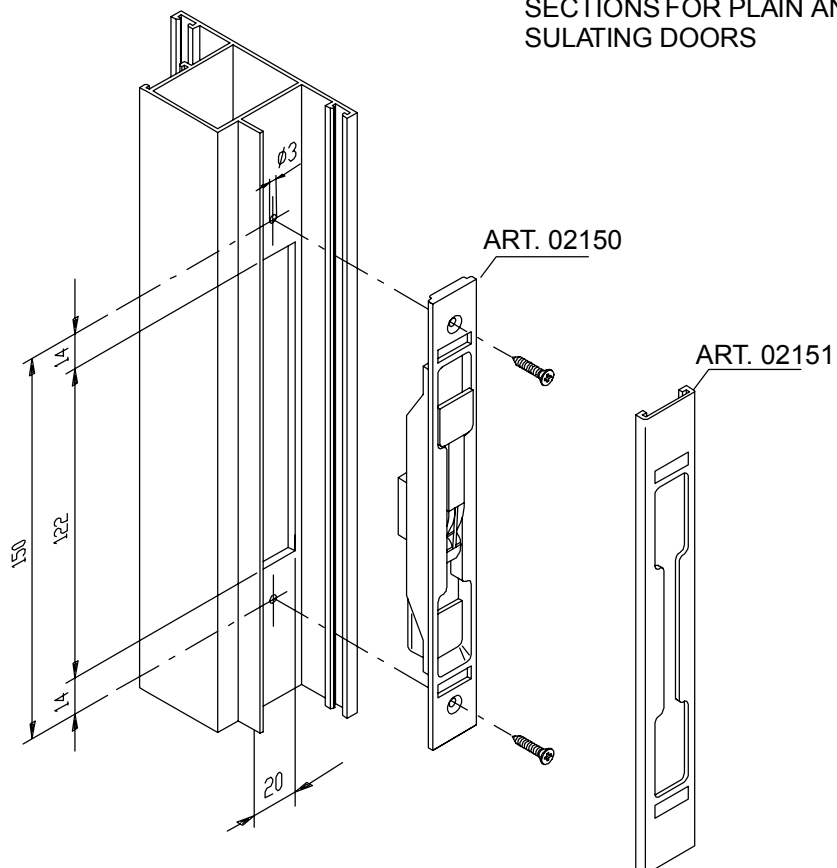
Box of 50 units

Materials

Extruded aluminium



APPLICATION ON SPECIFIC
SECTIONS FOR PLAIN AND IN-
SULATING DOORS



Pesos Security Terminal

Functions

Galvanized carbonitrided steel pin diam. 8 mm to be combined with the PESOS bolt.

Technical Features

This pin is combined with the PESOS bolt using art. 02340 (rod guide) solving problems associated with functionality, strength and security as it is cut-proof. It is combined with the PESOS bolt art. 02150 by means of an M6 threaded element cut to size by the user.

Finish

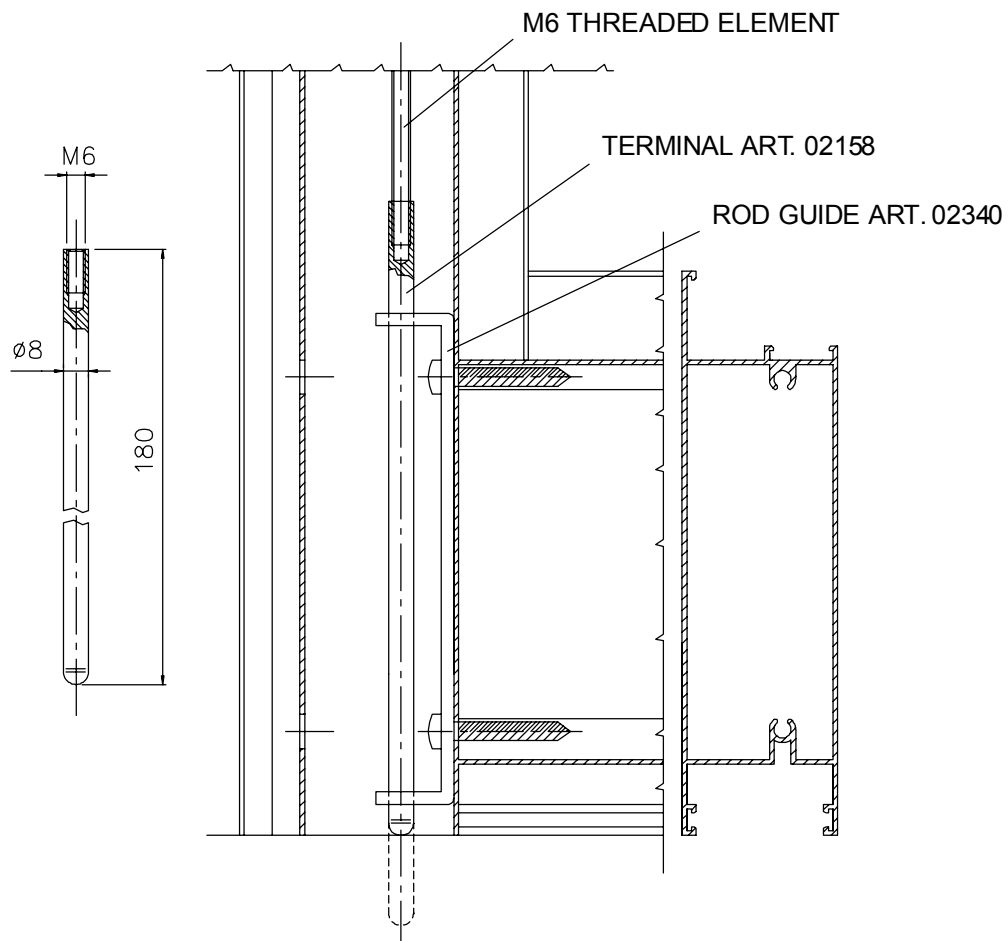
Natural

Packaging

Box of 50 units

Materials

Carbonitrided steel pin



Rod Striker & Third Fastening

Functions

Designed for installation at the top and bottom of window frames with one or more sashes with the function of accommodating NAPCO bolt terminals and rods or suitably profiled cremone lever lock rods.

Technical Features

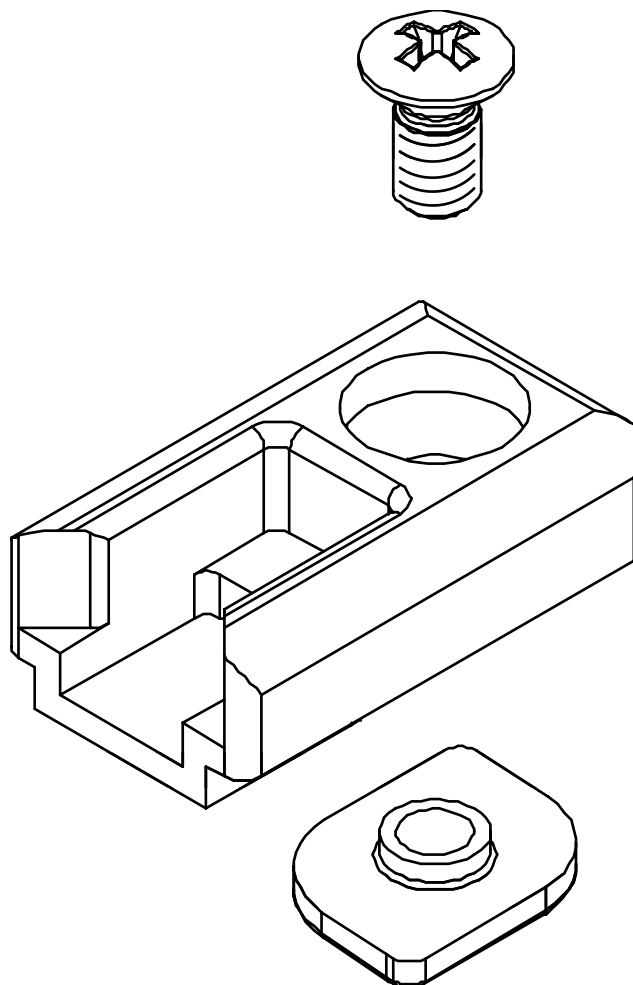
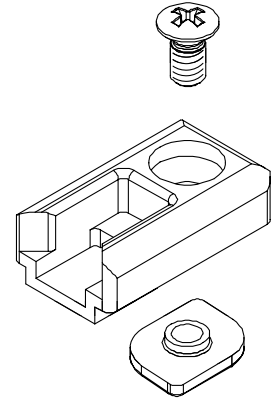
Specifically designed for use with frames having a 14/18 mm channel. Window frames with two sashes must be fitted with two strikers at the bottom ends of the stiles and two at the top ends (one for the terminal and one for the bolt). Rapid fixing is provided by a threaded cam plate and screw. Can be utilized as a third fastening by taking advantage of the projection on the cremone lever connecting blocks or in combination with the pins of supplementary fastenings. Designed to accommodate NAPCO cremone lever and bolt lock rods and GIAP / SUPERGIAP bolts.

Parts

- 1 threaded cam plate
- 1 M5 x 10 oval head c/sunk crosshead screw

Materials

- Galvanized steel screw
- Striker in GS500 Zamak
- Stainless steel cam plate

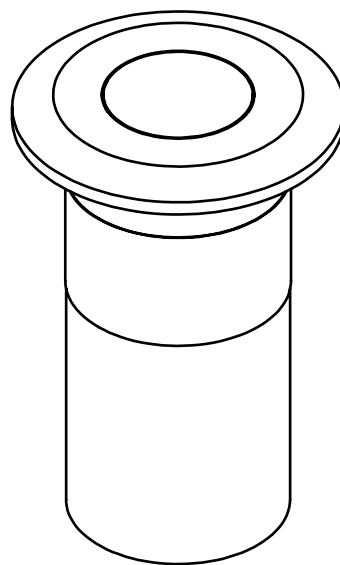


Floor Striker Plates

Functions

Strikers and bushings to combine with rods and bolts, if the threshold is used as counter-frame.

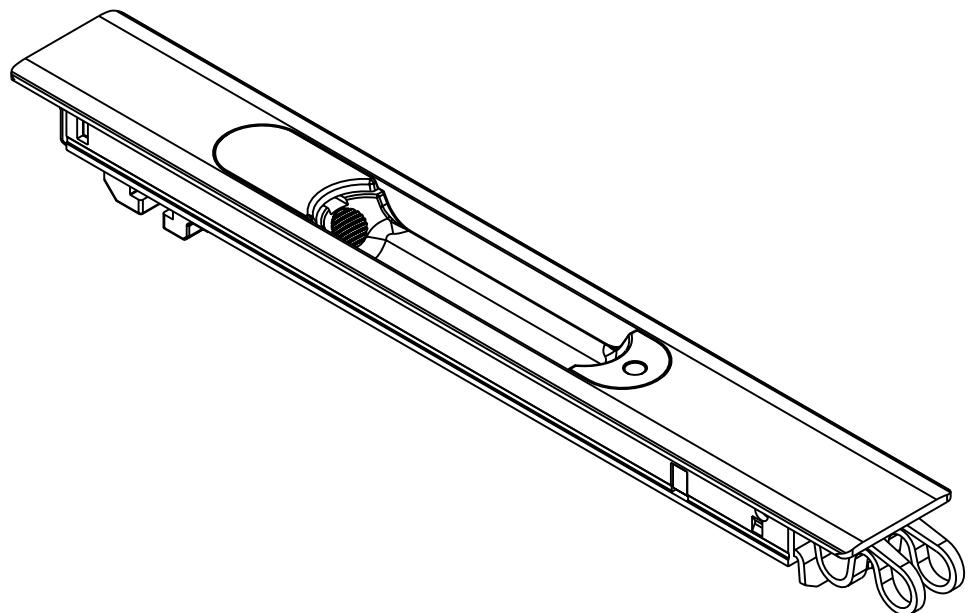
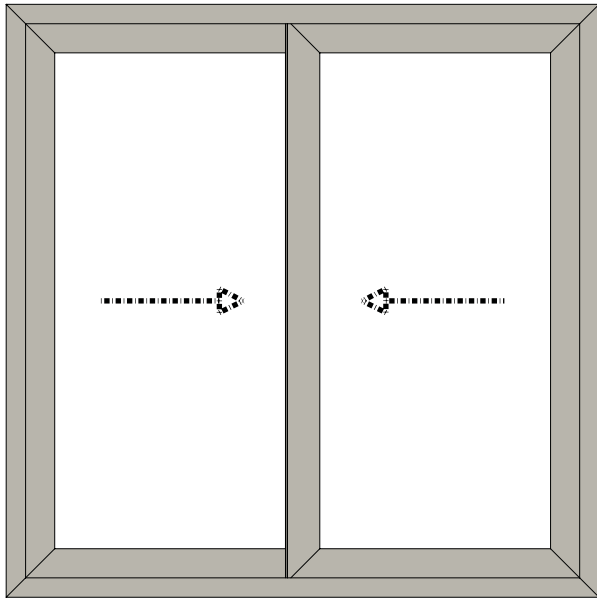
Technical Features



SLIDING SERIES







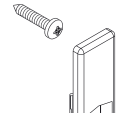
Sliding Door



Sliding Door / N105 Sliding & Cloud 120 & 105

| Picture | Code | Description |
|---|----------|---------------------------------------|
|  | 06004 | Inside Handle |
|  | 06010 | Outside Dummy Handle |
|  | 03151000 | Single Roller (Non-Thermal System) |
|  | 03041000 | Double Roller (Non-Thermal System) |
|  | 03290000 | Single Roller (Thermal System) |
|  | 06954000 | Double Roller (Thermal System) |
|  | 03336 | Counter Plate (Non-Thermal System) |
|  | 03327 | Counter Plate (TB 120 Thermal System) |

Sliding Window / N105 Sliding & Cloud 120 & 105

| Picture | Code | Description |
|---|-------|---------------------------------------|
|  | 04902 | Counter Plate (TB 105 Thermal System) |
|  | 04589 | Nib (Non-Thermal System) |
|  | 04530 | Nib (TB 120 Thermal System) |
|  | 02282 | Drainage Cap |
|  | 03144 | Machining Cap |

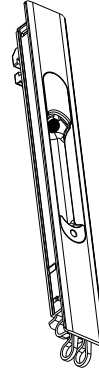
Inside Handle

Functions

Reversible recessed handle, with the possibility of manual mode operation (for door) or automatic operation (for window), to enable side locking of sliding sashes.

Technical Features

The Brio Evo handle allows crossing and overlapping of the two sashes and it is fixed to the profile quickly and precisely by inserting the bottom part of the handle in the slot and then pressing down the top part. After determining the optimum position of the nib (and therefore locking), it is secured with a grub screw, located under the covering cap. The polyamide slider has two green and red surfaces that indicate respectively sash open and sash closed. The Brio Evo handle is fitted with an antilifting system to ensure that the casement can only be opened by moving the small polyamide recess handle on the interior. The product is preset as standard for automatic operation (for window); for manual mode operation (for door) the pre-assembled spring on the product must be eliminated. The screw supplied must be screwed onto the nib carrier if the handle has to perform the burglar-proof function in manual mode operation. The product is available in two different styles: rounded design and square design. Each style is available with 2-teeth or 1-tooth spring fixing, a solution to be chosen based on the type of sash profile used.

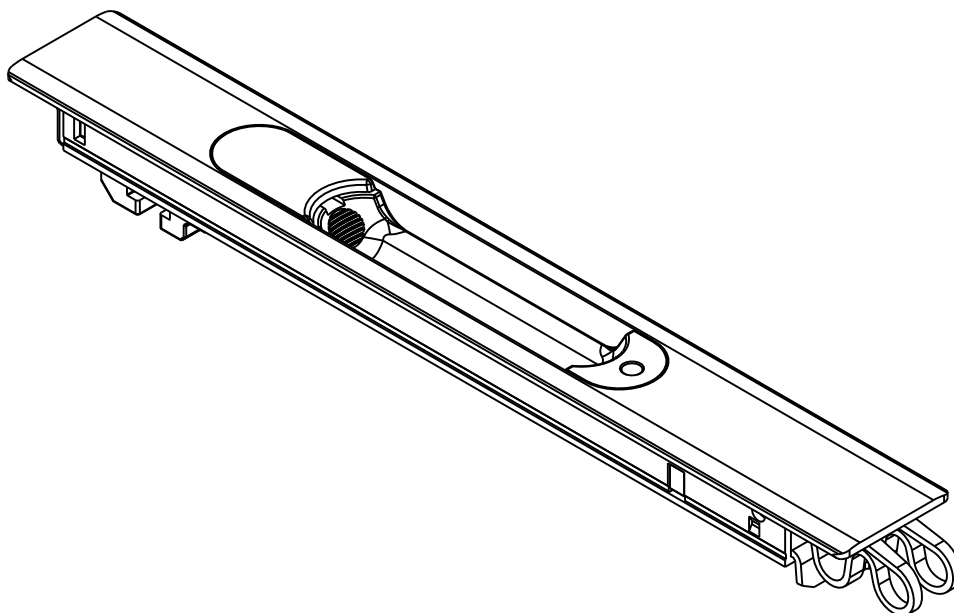


Materials

Body in extruded aluminium
Slider in white die-cast zinc plated Zamak
Polyamide recess handle
Stainless steel grub screw
Harmonic steel spring for automatic operation
Bottom fixing spring in C70 Geomet steel

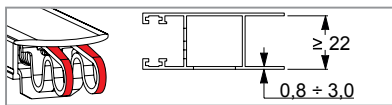
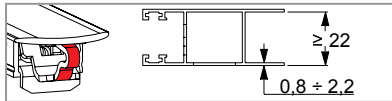
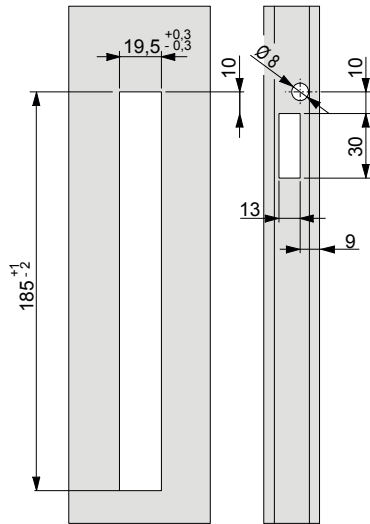
Parts

1 screw for burglar-proof function

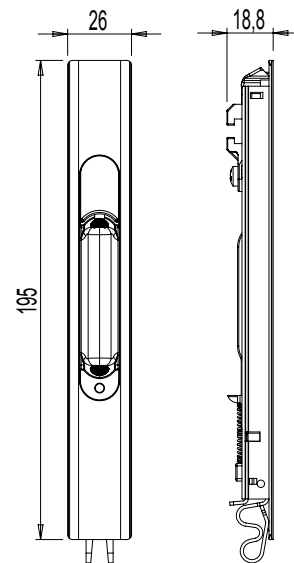
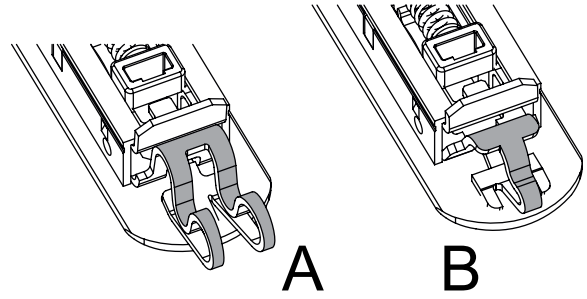


Inside Handle

Machining on profile



A: 2-teeth spring - B: 1-tooth spring



Outside Dummy Handle

Functions

The external Brio pull handle, combined with a Brio EVO and Brio Evo MD recessed handle, enables the end user to move the sash of a sliding door easily and effortlessly.

Technical Features

The Brio external flush-mounted pull handle allows easy handling of a sliding door from the exterior side. The use of this product enables the overlap of the main and secondary sash. It should always be combined with a Brio EVO and Brio EVO MD recessed handle. Sash profile width: min. 25 mm, max with no limits. Fitting is quick, accurate and easy. Two slots must be made (187x19.5mm) in perfect alignment and of the same size on the sash stile.

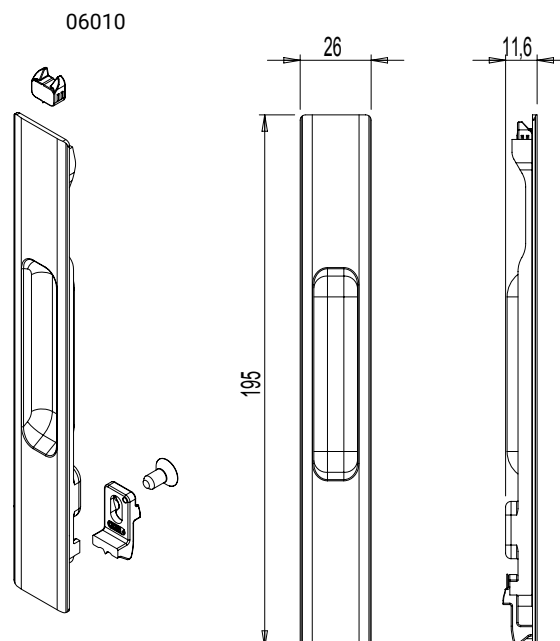


Materials

Body in die-cast zamak

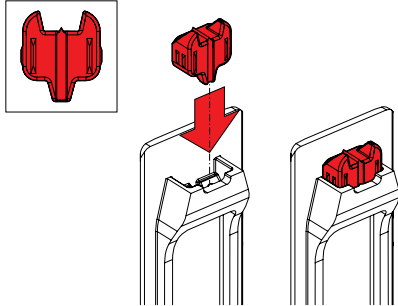
Upper and lower fork in white zinc plated zamak

Lower fixing HSCH screw M5x8 in stainless steel

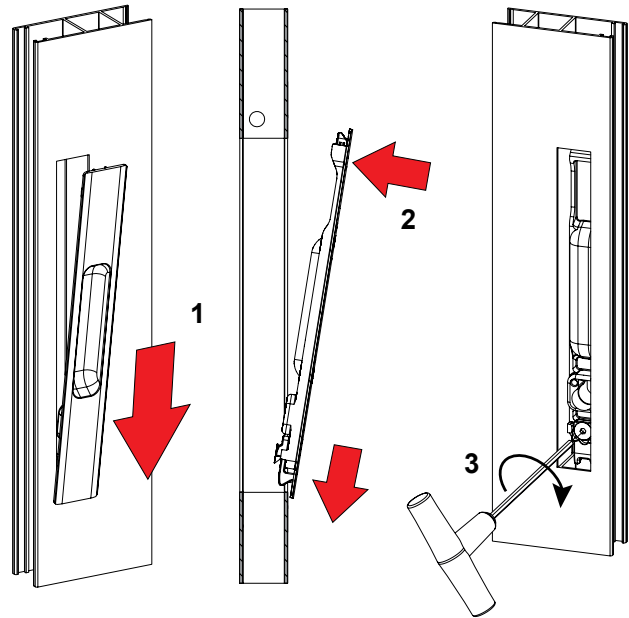
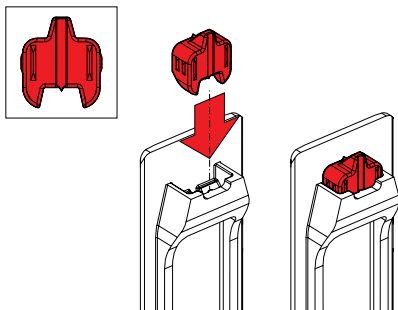


Outside Dummy Handle

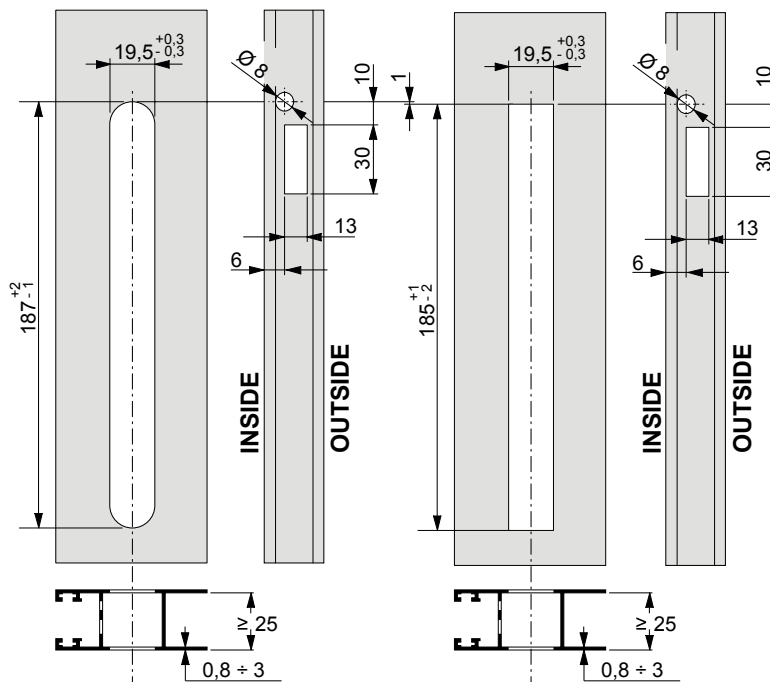
2-teeth coupling



1-tooth coupling



Machining on profile



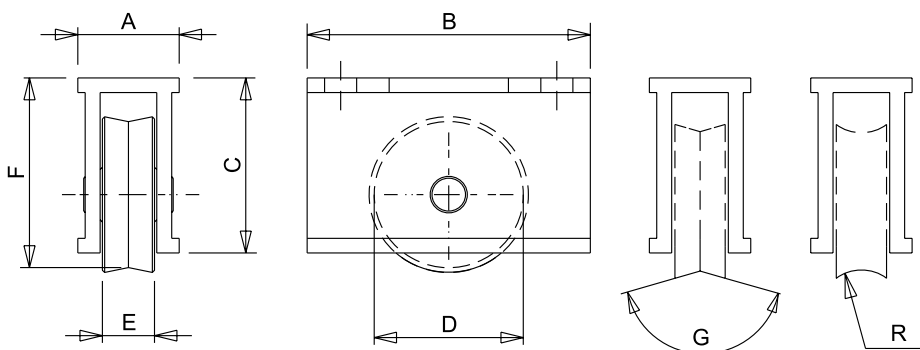
Single Roller (Non-Thermal System)

Functions

Pulley in extruded aluminium with one wheel for windows or sliding doors in aluminium.

Technical Features

The wheel is mounted on a ball bearing. Its special feature is that it can be inspected without having to disassemble the sash, by removing the fixing screws.



| Item code | Description | Note | Load capacity (kg) | A [mm] | B [mm] | C [mm] | D [mm] | E [mm] | F [mm] | G [°] | Bearing | External support | Base Raw | Anodised Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|----------------------|---------------|--------------------|--------|--------|--------|--------|--------|--------|-------|---------|------------------|----------|---------------|---------|------------------|-----------------|
| 03151 | FIXED PULLEY 1 WHEEL | Set of 4 pcs. | 50 | 17,85 | 0 | 29,22 | 81 | 2 | 35,25 | 156° | Balls | Aluminium | X | | | | 100 |

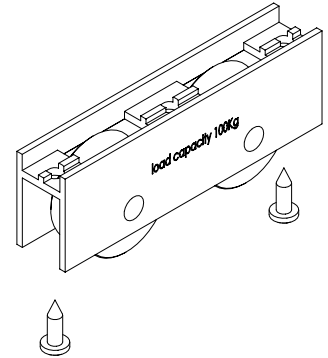
Double Roller (Non-Thermal System)

Functions

Pulley in extruded aluminum with two wheels for windows or sliding doors in aluminum

Technical Features

The wheels are mounted on an aluminum body and cannot be disassembled. It is possible to replace the pulley without disassembling the sash by simply unscrewing the 2 fixing screws of the pulley. The wheels are mounted on ball bearings.



Materials

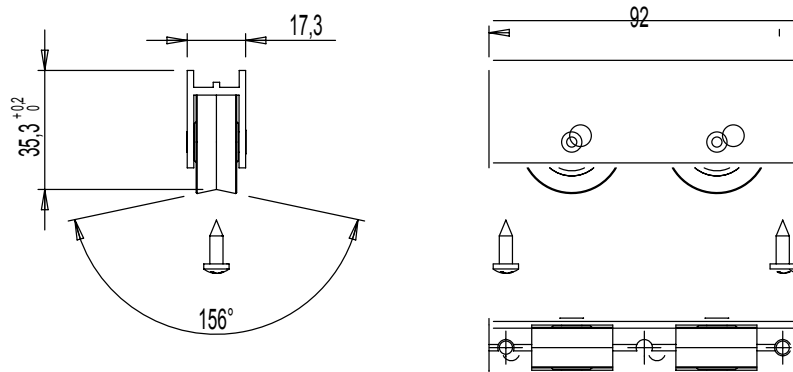
Pulley external support in extruded aluminium
Outer part of the wheel in reinforced polyamide

Parts

2 self-threading 3.9x13mm crosshead screws

Capacities

Max. 200 kg with 2 pulleys



| Item code | Description | Note | Base Raw | Anodised Elox | Painted | Trend/Gold Brass | Special finishes | Order | Pieces per pack |
|-----------|------------------------------|-----------------|----------|---------------|---------|------------------|------------------|-------|-----------------|
| 03041 | FIXED 2 WHEEL PULLEY (4 PCS) | set of 4 pieces | X | | | | | | 25 |

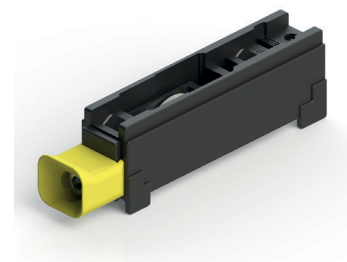
Single Roller (Thermal System)

Functions

Adjustable pulley with one wheel for doors and windows in aluminium.

Technical Features

The pulley is fixed with a clamping grub screw, without requiring specific machining. Micrometrically adjustable, it enables moving the sash vertically in an overall range of on average 4 mm (see adjustment column in the table). Adjustment is easy since the adjustment screw is located inside the yellow centring element which facilitates insertion of the key. The adjustment can also be made with the sash already mounted and installed. The wheels are mounted on ball bearings or needle bearings depending on the model and can be removed together with the support without having to disassemble the pulley. The wheels with bearings are shielded to keep the grease inside them.



Materials

External support in grey polyamide

Yellow polyamide centring element

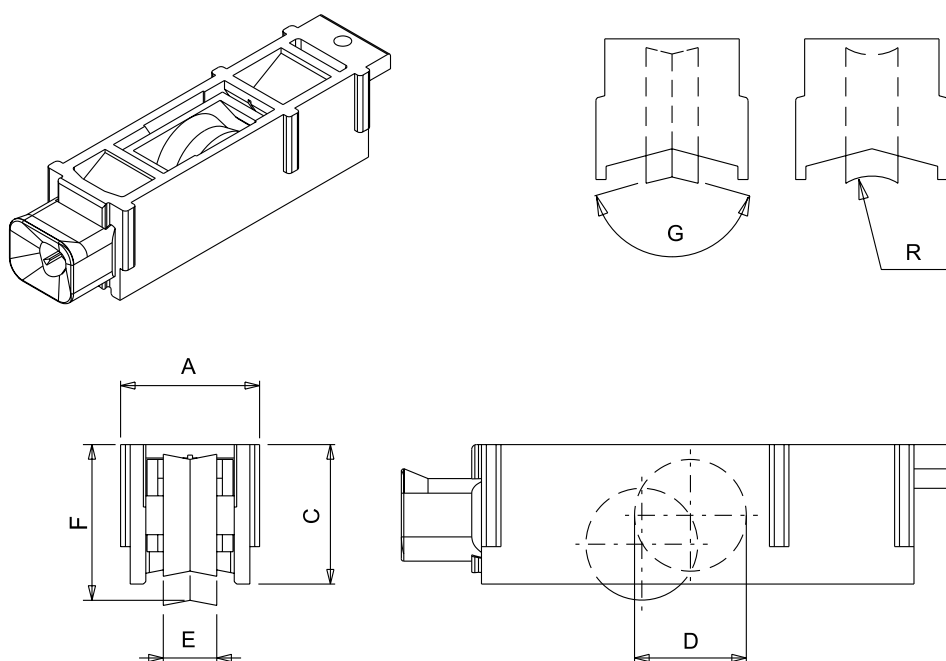
Wheel internal support in Silver Plus zamak or polyamide depending on the version (see table)

Wheel with bearing in steel and neutral reinforced polyamide cover

Mounting grub screw and adjustment screw in stainless steel

Capacities

see table



| Item code | Description | Note | Pulley Load Capacity [kg] | A [mm] | B [mm] | C [mm] | D [mm] | E [mm] | F [mm] | Adjustment [mm] | G [°] R [mm] | Bearing type | External support | Internal support | Base Raw | Anodised | Ellox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|-----------------------------|----------------|---------------------------|--------|--------|--------|--------|--------|--------|-----------------|-----------------|--------------|------------------|------------------|----------|----------|-------|---------|------------------|-----------------|
| 03290 | CARRERA 1 ADJUSTABLE PULLEY | Bulk packaging | 45 | 22,7 | 25,8 | 20,48 | | | 24,6 | +2,7/ -2,1 | 150° | Roller | Polyamide | Zamak | X4 | | | | | 0 |

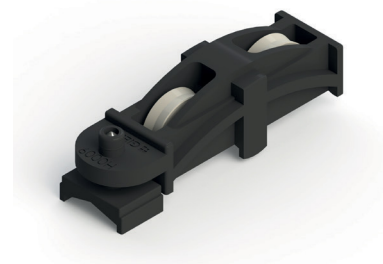
Double Roller (Thermal System)

Functions

Fixed pulley with two wheels for doors and windows in aluminium.

Technical Features

The pulley is fixed with a clamping grub screw, without requiring specific machining. The wheels are mounted on ball bearings and are shielded to keep the grease inside them.

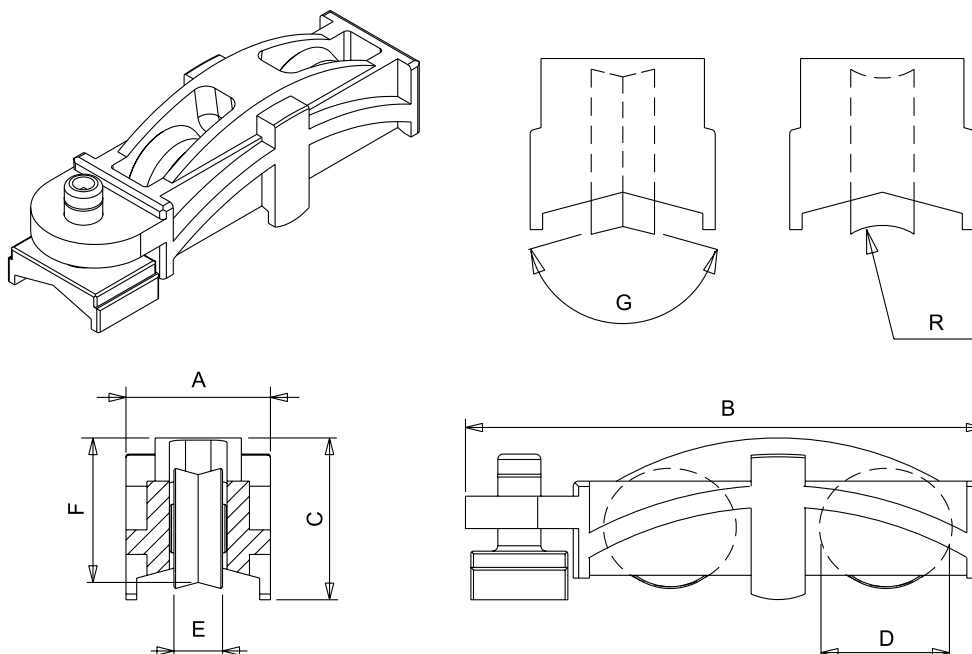


Materials

Support in grey polyamide.

Wheels with bearing in steel and neutral reinforced polyamide cover.

Stainless steel mounting grubscrew.



| Item code | Description | Note | Load capacity (kg) | A [mm] | C [mm] | D [mm] | E [mm] | F [mm] | G [°] | Bearing | External support | Internal support | Base Raw Anodised Elox | Painted | Tren/Gold Brass | Pieces per pack |
|-----------|------------------------|----------------|--------------------|--------|--------|--------|--------|--------|-------|---------|------------------|------------------|------------------------|---------|-----------------|-----------------|
| 06954 | CARRERA 2 FIXED PULLEY | Bulk packaging | 90 | 23 | 25,82 | 08 | | - | 150° | Balls | Polyamide | zamak | X4 | | | 0 |

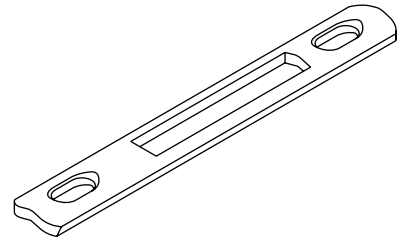
Counter Plate (Non-Thermal System)

Functions

The front application counterplate combined with a nib for sliding recessed handle creates the fastener of a sliding wing

Technical Features

The counterplate art. 03336 is applied on the frame of a sliding casing by means of the self-tapping screws supplied. The slots on the counterplate body enable height adjustment in order to correctly position it for a better grip on the nib. The base of the counterplate provides for an angle of 150° so that it can be applied on frames with rail and frames with flat slot. The counterplate is compatible with NAPCO Brio and Pratika line nibs. Art. 03336 can be applied in combination with nylon spacers so that it can be moved away from the frame, according to the window maker's specific needs.



Materials

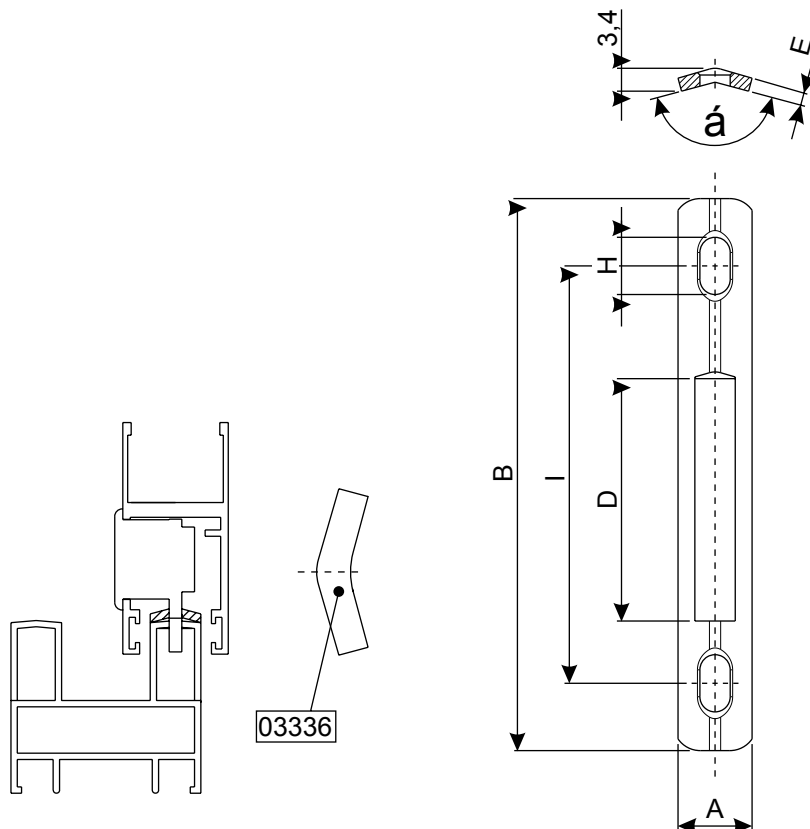
Corrosion proof stainless steel counterplate

Finish

Base finish

Packaging

Box of 100 pieces



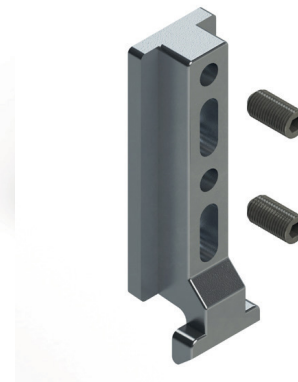
Counter Plate (TB 120 Thermal System)

Functions

The counterplate to be inserted, combined with a nib for a recessed handle, creates the fastener of a sliding sash.

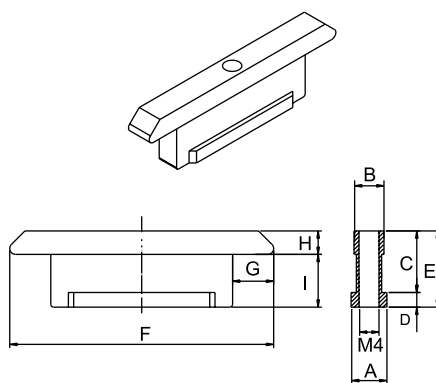
Technical Features

Inserted counterplates are to be inserted into the frame profile upright before assembly. The counterplate is fixed to the frame by means of contrast grub screws. This type of counterplate has the advantage of being able to be height adjusted by simply loosening the grub screws and then repositioning them. They feature high tear strength as they are held by the profile.



Materials

Zamak body (GS Silver Plus/GS500)
Stainless steel grub screws



| Item code | Description | Type | AB | CD | EF | GH | I | Compatible with Brio Small nib | Compatible with Brio Big nib | Compatible with Brio Zamak nib | Base Raw | Anodised | Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|------------------------|------|----|----|-------|----|----|--------------------------------|------------------------------|--------------------------------|----------|----------|------|---------|------------------|-----------------|
| 0332701 | INSERTED COUNTERPLATE2 | | 10 | 8 | 10,52 | ,5 | 13 | 45 | 749 | | YES | YES | NO | X | | 100 |

Counter Plate (TB 105 Thermal System)

Functions

Brio coupling kits comprise the components necessary for creating a fastening mechanism on aluminium sliding windows or doors. They can be used in combination with the full Brio range (Plus, Rapid, Mini, City including the Key versions).

Technical Features

The coupling kits are composed of nib and a counterplate, packed together so that the window maker has everything required for making the fastening mechanism for the sliding door or window. The nib is available in stainless steel and zamak. The length and anchoring varies depending on the profile to be used. The counterplate is available in stainless steel or zamak. Depending on the frame in which it is to be fitted, it is available in the following versions:

- A – insert
 - B – front application
 - C – front mounting with milled rail
 - D – front mounting with milled rail and shutter
 - E – miscellaneous
- Brio coupling kits can be fitted on:

- Brio
- Brio Plus
- Brio Mini
- Brio Rapid
- City Cremona
- City Key Cremona

Materials

Stainless steel nibs

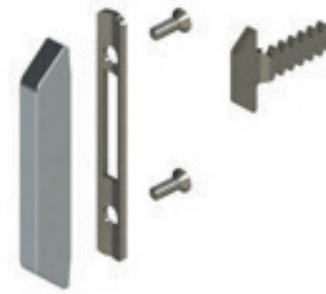
Counterplates: A – zamak counterplate and stainless steel grub screws

A – zamak counterplate and stainless steel screws

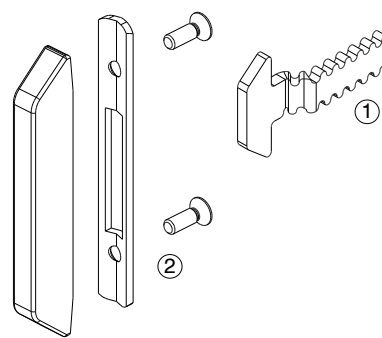
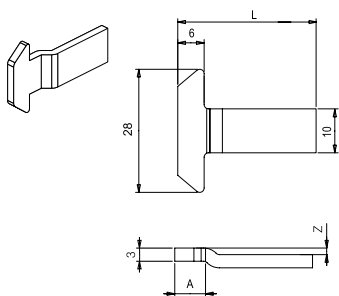
C – counterplate and screws in stainless steel

D – shutter in zinc plated zamak and counterplate and screws in stainless steel

E – zamak



Nib type N1



| Item code | Description | NibN | ib typeL | AZ | Counterplate | Counterplate type | Base Raw | Anodized Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|----------------------------------|-------|----------|----|--------------|-------------------|----------|---------------|---------|------------------|-----------------|
| 04902 | BRIO PLUS/BRIO MINI COUPLING KIT | 04589 | N1 | 32 | 95 | 04688 | C/DX | | | | 20 |

Nib (Non-Thermal System)

Functions

Brio Big nibs, combined with a counterplate, enable making the fastening mechanism of sliding casements. Brio Big nibs can be used in combination with full Brio range (Plus, Rapid, Mini, City including the Key versions).

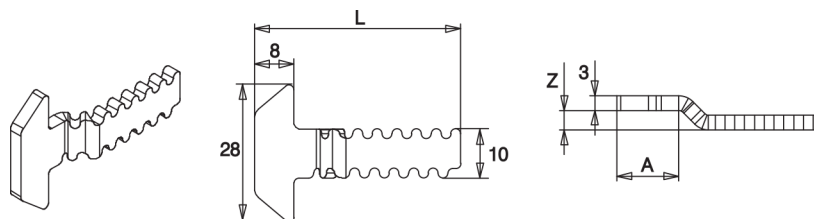
Technical Features

Brio Big nibs are made of stainless steel and are characterized by their exceptional strength. They are fitted with oversized heads to enable efficient use on the counterplate, and guarantee improved sealing and more range of adjustment of the lock point elements. The special toothing is designed for micrometric adjustment of the Brio Plus handle, even though the nib can be used on the entire Brio range. Brio Big nibs can be combined with a great variety of NAPCO counterplates (see relative section) depending on the series used.



Materials

Stainless Steel



| Item code | Description | L [mm] | A [mm] | Z [mm] | Base Raw | Anodized Elox | Painted | Trend/Oro Brass | Pieces per pack |
|-----------|--------------|--------|--------|--------|----------|---------------|---------|-----------------|-----------------|
| 04589 | BRIO BIG NIB | 32 | 9 | 5 | X | | | | 100 |

Nib (Non-Thermal System)

Functions

Brio Big nibs, combined with a counterplate, enable making the fastening mechanism of sliding casements. Brio Big nibs can be used in combination with the full Brio range (Plus, Rapid, Mini, City including the Key versions).

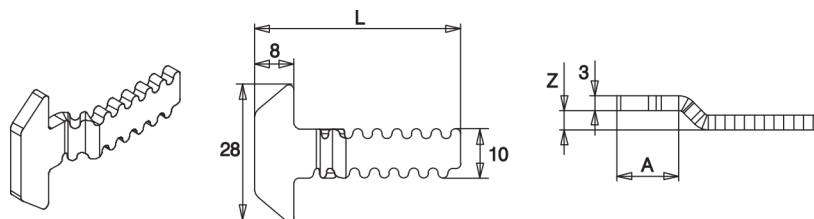
Technical Features

Brio Big nibs are made of stainless steel and are characterized by their exceptional strength. They are fitted with oversized heads to enable efficient use on the counterplate, and guarantee improved sealing and more range of adjustment of the lock point elements. The special toothing is designed for micrometric adjustment of the Brio Plus handle, even though the nib can be used on the entire Brio range. Brio Big nibs can be combined with a great variety of NAPCO counterplates (see relative section) depending on the series used.



Materials

Stainless Steel



| Item code | Description | L [mm] | A [mm] | Z [mm] | Base Raw | Anodised Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|--------------|--------|--------|--------|----------|---------------|---------|------------------|-----------------|
| 04530 | BRIO BIG NIB | 37 | 14,56 | | X | | | | 100 |

Drainage Cap

Functions

Polyamide part with snap fitting, to be used for covering the drain slot.

Technical Features

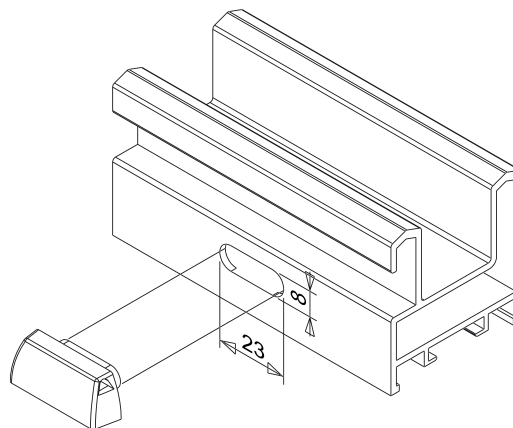
The drain cap has a quick-fit snap-fix fastener, on the special machinings in the figure. Enables the water in the groove to be drained off quickly outside the room. The particular shape of the cap and the presence of an internal valve (when fitted) allow an optimal run-off of water even under conditions of strong external pressure caused by the wind.



Materials

Black polyamide

Machining art. 02282



| Item code | Description | NoteM | aterial | Base Raw | Anodised Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|-------------------|------------|-----------------|----------|---------------|---------|------------------|-----------------|
| 02282 | DRAINAGE HOLE CAP | with valve | Black polyamide | X5 | | | | 0 |

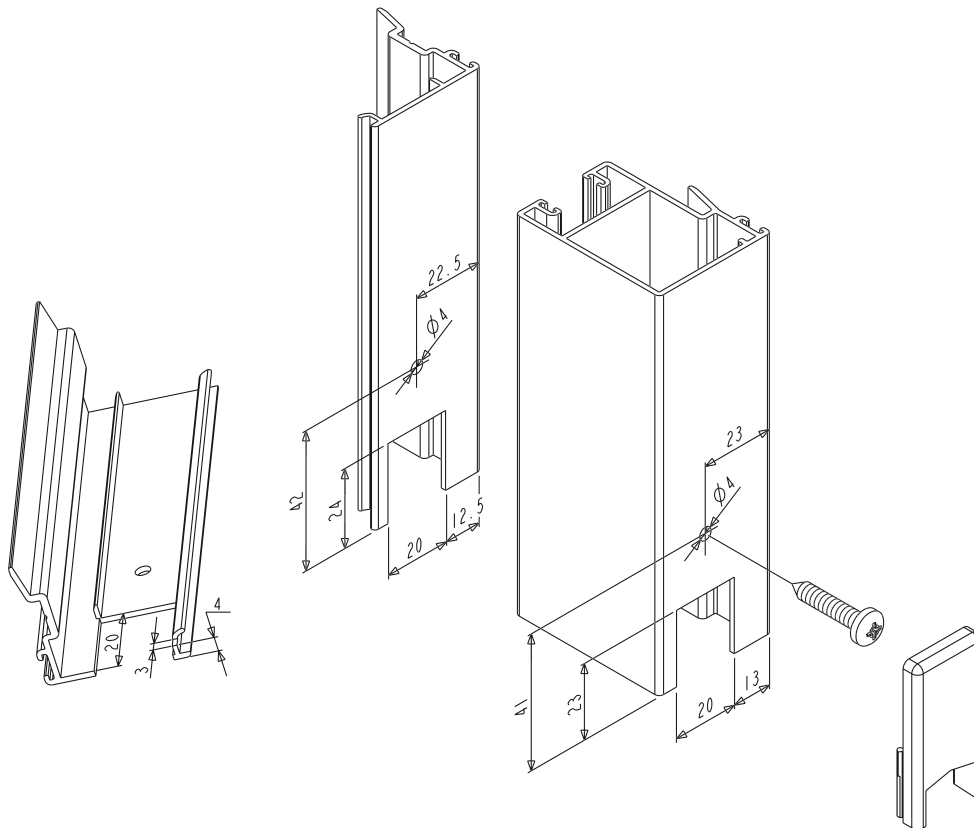
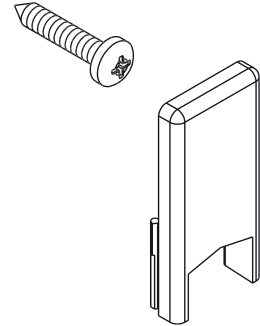
Machining Cap

Functions

Cap covering the machining on the central upright of sliding sashes. Fixing is by means of a self-tapping screw.

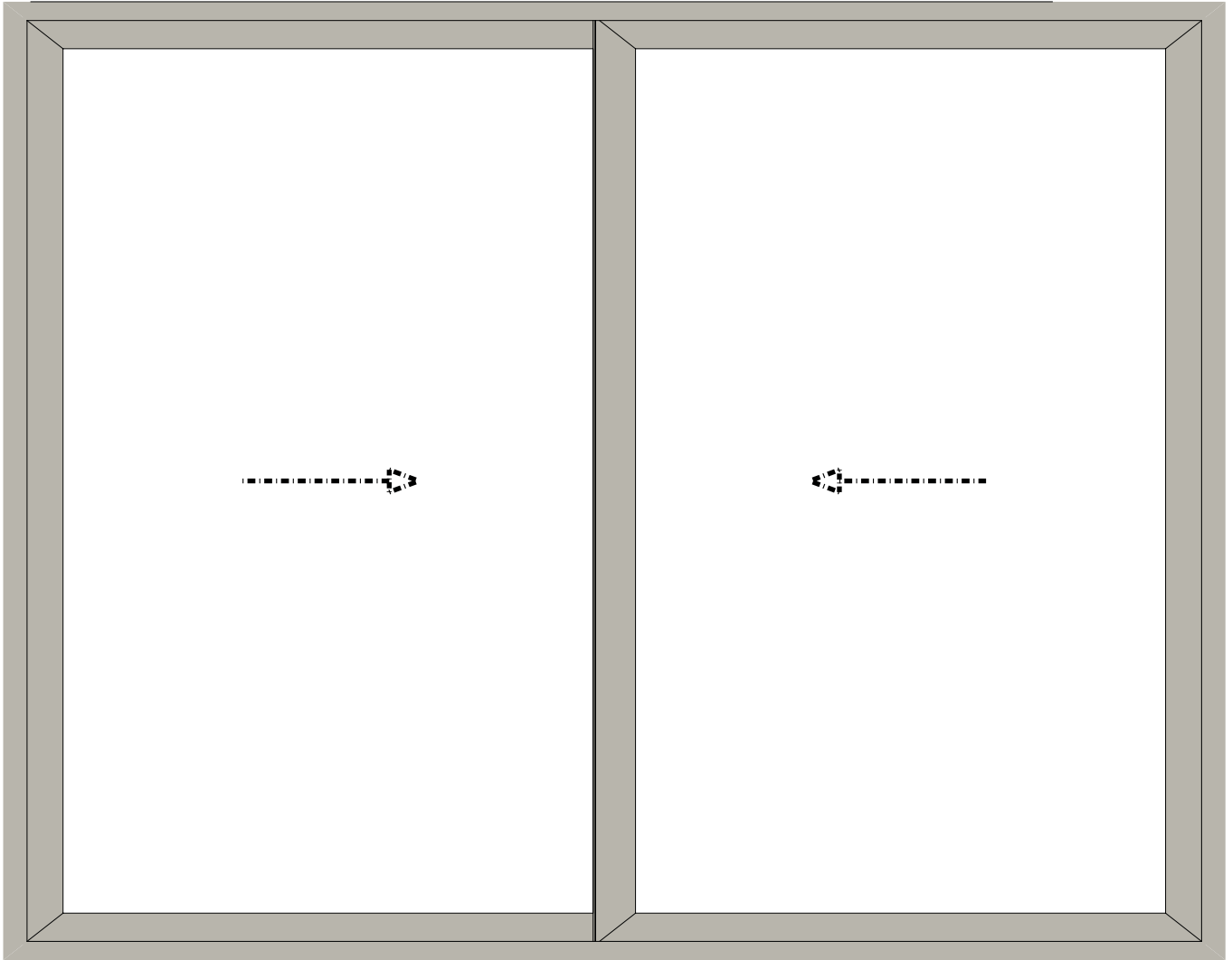
Materials

Black polyamide cap
Zinc plated steel screw



| Item code | Description | Note | Base Raw | Anodised Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|------------------|------|----------|---------------|---------|------------------|-----------------|
| 03144 | MACHINING COVERS | | X | | | | 50 |



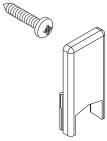
Sliding Window



Sliding Window / N105 Sliding & Cloud 120 & 105

| Picture | Code | Description |
|---|----------|---------------------------------------|
|  | 06038 | Brio Mini Evo Handle |
|  | 03151000 | Single Roller (Non-Thermal System) |
|  | 03290000 | Single Roller (Thermal System) |
|  | 06954000 | Double Roller (Thermal System) |
|  | 03336 | Counter Plate (Non-Thermal System) |
|  | 03327 | Counter Plate (TB 120 Thermal System) |
|  | 04902 | Counter Plate (TB 105 Thermal System) |
|  | 04589 | Nib (Non-Thermal System) |

Sliding Window / N105 Sliding & Cloud 120 & 105

| Picture | Code | Description |
|---|--------------|------------------------------------|
|  | <p>04530</p> | <p>Nib (TB 120 Thermal System)</p> |
|  | <p>02282</p> | <p>Drainage Cap</p> |
|  | <p>03144</p> | <p>Machining Cap</p> |

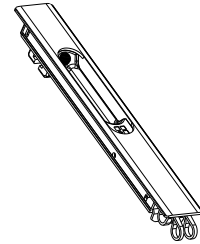
Inside Handle

Functions

Reversible recessed handle, with the possibility of manual mode operation (for door) or automatic operation (for window), to enable side locking of sliding sashes.

Technical Features

The Brio Evo handle allows crossing and overlapping of the two sashes and it is fixed to the profile quickly and precisely by inserting the bottom part of the handle in the slot and then pressing down the top part. After determining the optimum position of the nib (and therefore locking), it is secured with a grub screw, located under the covering cap. The polyamide slider has two green and red surfaces that indicate respectively sash open and sash closed. The Brio Evo handle is fitted with an antilifting system to ensure that the casement can only be opened by moving the small polyamide recess handle on the interior. The product is preset as standard for automatic operation (for window); for manual mode operation (for door) the pre-assembled spring on the product must be eliminated. The screw supplied must be screwed onto the nib carrier if the handle has to perform the burglar-proof function in manual mode operation. The product is available in two different styles: rounded design and square design. Each style is available with 2-teeth or 1-tooth spring fixing, a solution to be chosen based on the type of sash profile used.

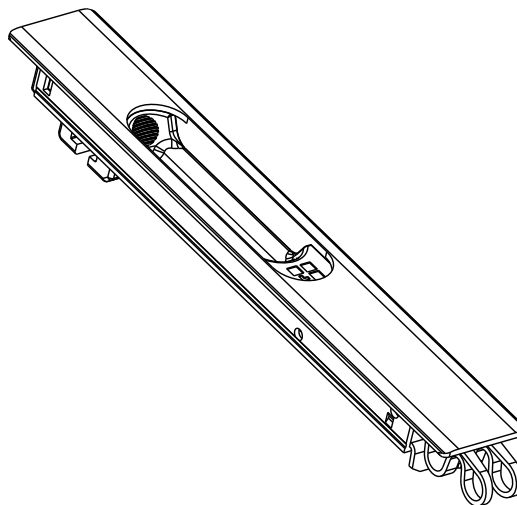


Materials

Body in extruded aluminium
Slider in white die-cast zinc plated Zamak
Polyamide recess handle
Stainless steel grub screw
Harmonic steel spring for automatic operation
Bottom fixing spring in C70 Geomet steel

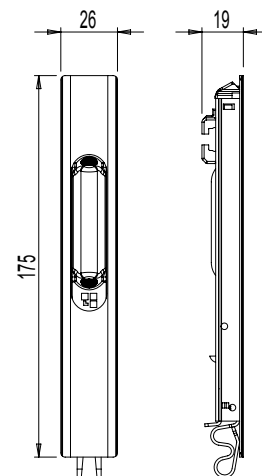
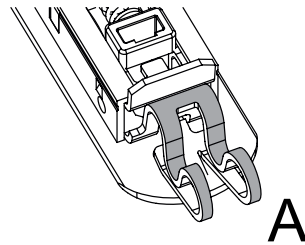
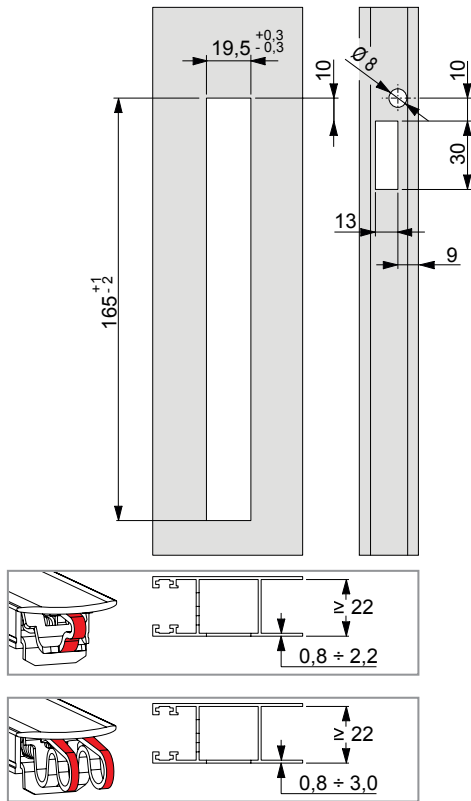
Parts

1 screw for burglar-proof function



Inside Handle

Machining on profile



| Item code | Description | DesignF | ixing spring | Matching handles (Inside) | Matching handles (Outside) | Base Raw | Anodised Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|----------------------|---------|--------------|---------------------------|----------------------------|----------|---------------|---------|------------------|-----------------|
| 06038 | BRIO MINI EVO HANDLE | Square | 2 teeth (A) | 03043 - 03050 - 03064 | -X | | | X2 | | 0 |

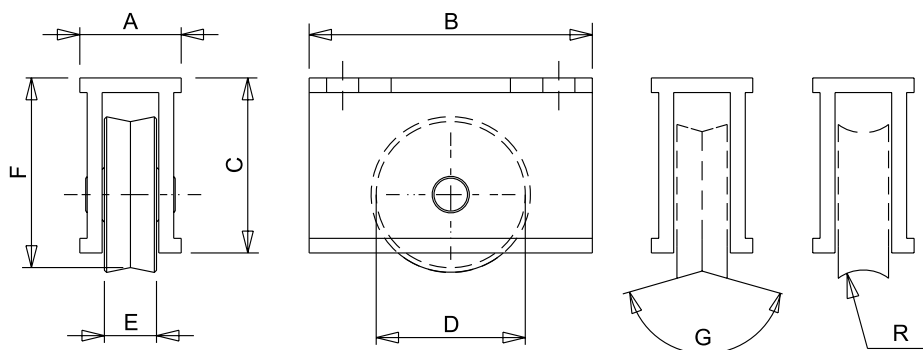
Single Roller (Non-Thermal System)

Functions

Pulley in extruded aluminium with one wheel for windows or sliding doors in aluminium.

Technical Features

The wheel is mounted on a ball bearing. Its special feature is that it can be inspected without having to disassemble the sash, by removing the fixing screws.



| Item code | Description | Note | Load capacity (kg) | A [mm] | B [mm] | C [mm] | D [mm] | E [mm] | F [mm] | G [°] | Bearing | External support | Base Raw | Anodised Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|----------------------|---------------|--------------------|--------|--------|--------|--------|--------|--------|-------|---------|------------------|----------|---------------|---------|------------------|-----------------|
| 03151 | FIXED PULLEY 1 WHEEL | Set of 4 pcs. | 50 | 17,85 | 0 | 29,22 | 81 | 2 | 35,25 | 156° | Balls | Aluminium | X | | | | 100 |

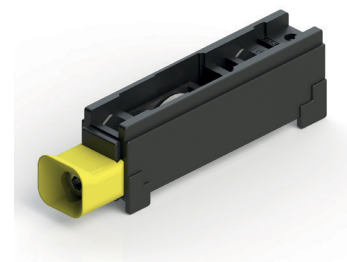
Single Roller (Thermal System)

Functions

Adjustable pulley with one wheel for doors and windows in aluminium.

Technical Features

The pulley is fixed with a clamping grub screw, without requiring specific machining. Micrometrically adjustable, it enables moving the sash vertically in an overall range of on average 4 mm (see adjustment column in the table). Adjustment is easy since the adjustment screw is located inside the yellow centring element which facilitates insertion of the key. The adjustment can also be made with the sash already mounted and installed. The wheels are mounted on ball bearings or needle bearings depending on the model and can be removed together with the support without having to disassemble the pulley. The wheels with bearings are shielded to keep the grease inside them.



Materials

External support in grey polyamide

Yellow polyamide centring element

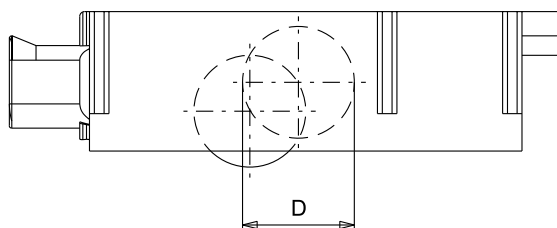
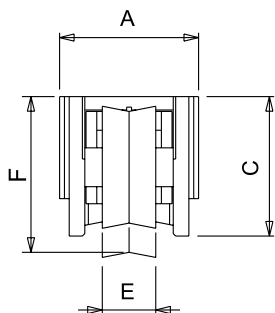
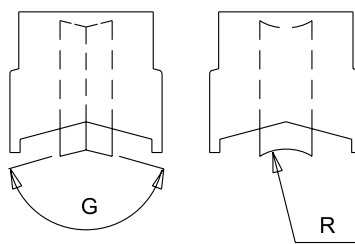
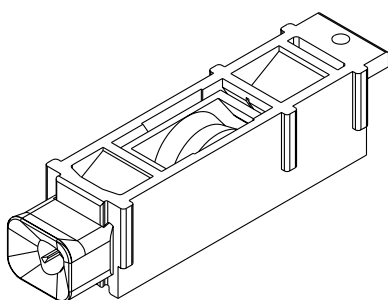
Wheel internal support in Silver Plus zamak or polyamide depending on the version (see table)

Wheel with bearing in steel and neutral reinforced polyamide cover

Mounting grub screw and adjustment screw in stainless steel

Capacities

see table



| Item code | Description | Note | Pulley Load Capacity [kg] | A [mm] | C [mm] | D [mm] | E [mm] | F [mm] | Adjustment [mm] | G [°] R [mm] | Bearing type | External support | Internal support | Base Raw | Anodised | Ellox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|-----------------------------|----------------|---------------------------|--------|--------|--------|--------|--------|-----------------|-----------------|--------------|------------------|------------------|----------|----------|-------|---------|------------------|-----------------|
| 03290 | CARRERA 1 ADJUSTABLE PULLEY | Bulk packaging | 45 | 22,7 | 25,8 | 20,48 | | 24,6 | +2,7/ -2,1 | 150° | Roller | Polyamide | Zamak | X4 | | | | | 0 |

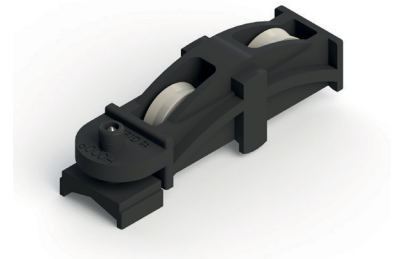
Double Roller (Thermal System)

Functions

Fixed pulley with two wheels for doors and windows in aluminium.

Technical Features

The pulley is fixed with a clamping grub screw, without requiring specific machining. The wheels are mounted on ball bearings and are shielded to keep the grease inside them.

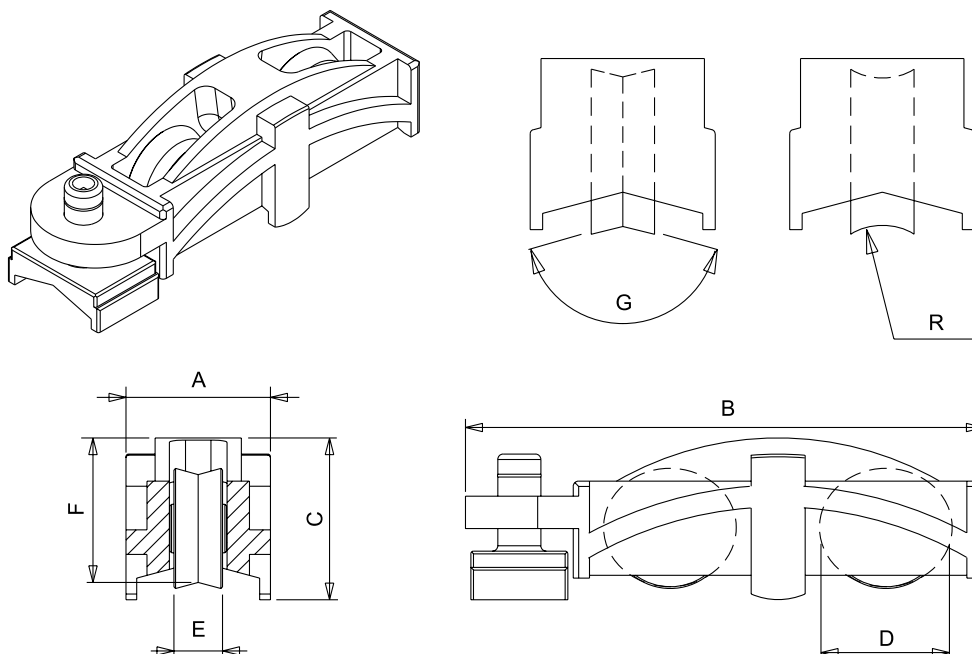


Materials

Support in grey polyamide.

Wheels with bearing in steel and neutral reinforced polyamide cover.

Stainless steel mounting grubscrew.



| Item code | Description | Note | Load capacity (kg) | A [mm] | C [mm] | D [mm] | E [mm] | F [mm] | G [°] | Bearing | External support | Internal support | Base Raw Anodised Elox | Painted | Tren/Gold Brass | Pieces per pack |
|-----------|------------------------|----------------|--------------------|--------|--------|--------|--------|--------|-------|---------|------------------|------------------|------------------------|---------|-----------------|-----------------|
| 06954 | CARRERA 2 FIXED PULLEY | Bulk packaging | 90 | 23 | 25,82 | 08 | | - | 150° | Balls | Polyamide | zamak | X4 | | | 0 |

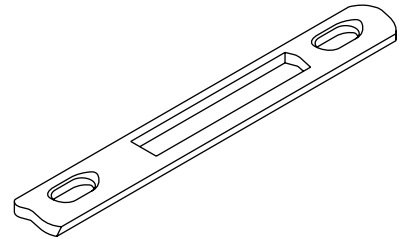
Counter Plate (Non-Thermal System)

Functions

The front application counterplate combined with a nib for sliding recessed handle creates the fastener of a sliding wing

Technical Features

The counterplate art. 03336 is applied on the frame of a sliding casing by means of the self-tapping screws supplied. The slots on the counterplate body enable height adjustment in order to correctly position it for a better grip on the nib. The base of the counterplate provides for an angle of 150° so that it can be applied on frames with rail and frames with flat slot. The counterplate is compatible with NAPCO Brio and Pratika line nibs. Art. 03336 can be applied in combination with nylon spacers so that it can be moved away from the frame, according to the window maker's specific needs.



Materials

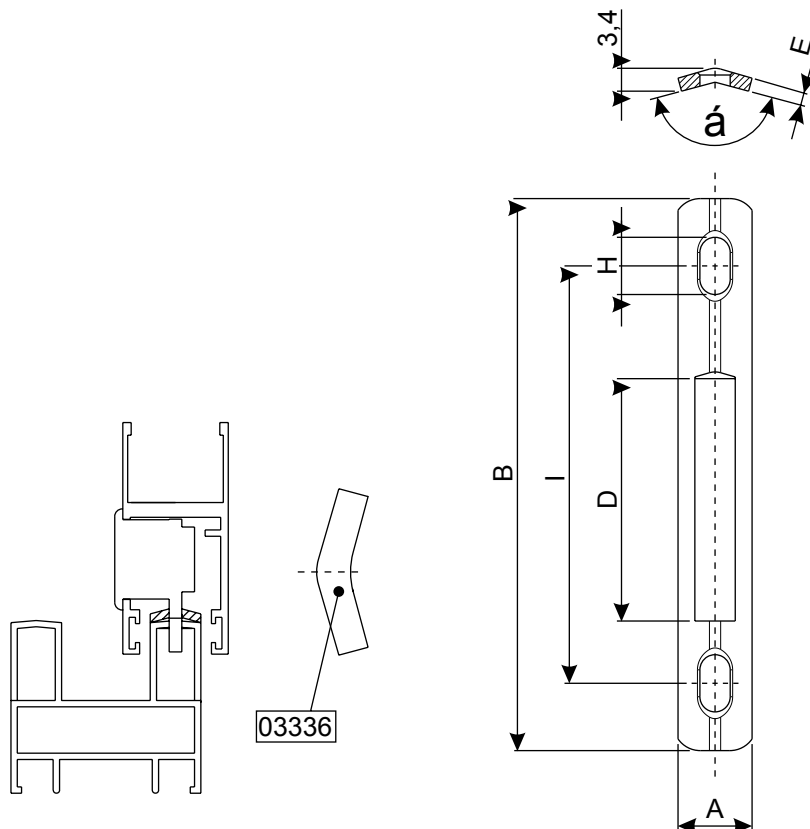
Corrosion proof stainless steel counterplate

Finish

Base finish

Packaging

Box of 100 pieces



Counter Plate (TB 120 Thermal System)

Functions

The counterplate to be inserted, combined with a nib for a recessed handle, creates the fastener of a sliding sash.

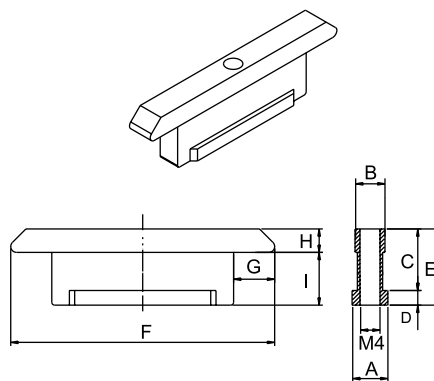
Technical Features

Inserted counterplates are to be inserted into the frame profile upright before assembly. The counterplate is fixed to the frame by means of contrast grub screws. This type of counterplate has the advantage of being able to be height adjusted by simply loosening the grub screws and then repositioning them. They feature high tear strength as they are held by the profile.



Materials

Zamak body (GS Silver Plus/GS500)
Stainless steel grub screws



| Item code | Description | Type | AB | CD | EF | GH | I | Compatible with Brio Small nib | Compatible with Brio Big nib | Compatible with Brio Zamak nib | Base Raw | Anodised | Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|------------------------|------|----|----|-------|----|----|--------------------------------|------------------------------|--------------------------------|----------|----------|------|---------|------------------|-----------------|
| 0332701 | INSERTED COUNTERPLATE2 | | 10 | 8 | 10,52 | ,5 | 13 | 45 | 749 | | YES | YES | NO | X | | 100 |

Counter Plate (TB 105 Thermal System)

Functions

Brio coupling kits comprise the components necessary for creating a fastening mechanism on aluminium sliding windows or doors. They can be used in combination with the full Brio range (Plus, Rapid, Mini, City including the Key versions).

Technical Features

The coupling kits are composed of nib and a counterplate, packed together so that the window maker has everything required for making the fastening mechanism for the sliding door or window. The nib is available in stainless steel and zamak. The length and anchoring varies depending on the profile to be used. The counterplate is available in stainless steel or zamak. Depending on the frame in which it is to be fitted, it is available in the following versions:

A – insert

B – front application

C – front mounting with milled rail

D – front mounting with milled rail and shutter

E – miscellaneous

Brio coupling kits can be fitted on:

- Brio

- Brio Plus

- Brio Mini

- Brio Rapid

- City Cremona

- City Key Cremona

Materials

Stainless steel nibs

Counterplates: A – zamak counterplate and stainless steel grub screws

A – zamak counterplate and stainless steel screws

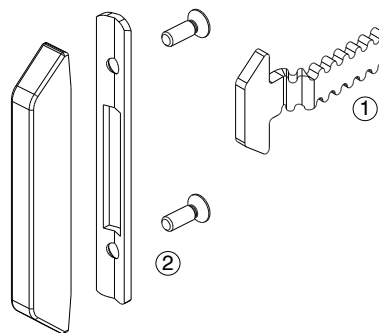
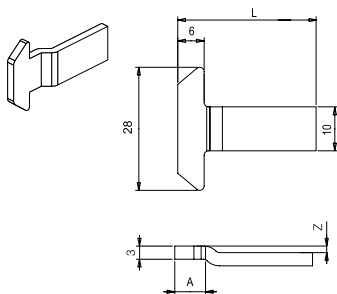
C – counterplate and screws in stainless steel

D – shutter in zinc plated zamak and counterplate and screws in stainless steel

E – zamak



Nib type N1



| Item code | Description | NibN | ib typeL | AZ | Counterplate | Counterplate type | Base Raw | Anodized Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|----------------------------------|-------|----------|----|--------------|-------------------|----------|---------------|---------|------------------|-----------------|
| 04902 | BRIO PLUS/BRIO MINI COUPLING KIT | 04589 | N1 | 32 | 95 | 04688 | C/DX | | | | 20 |

Nib (Non-Thermal System)

Functions

Brio Big nibs, combined with a counterplate, enable making the fastening mechanism of sliding casements. Brio Big nibs can be used in combination with full Brio range (Plus, Rapid, Mini, City including the Key versions).

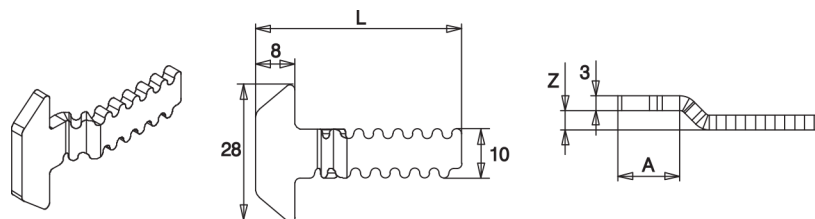
Technical Features

Brio Big nibs are made of stainless steel and are characterized by their exceptional strength. They are fitted with oversized heads to enable efficient use on the counterplate, and guarantee improved sealing and more range of adjustment of the lock point elements. The special toothing is designed for micrometric adjustment of the Brio Plus handle, even though the nib can be used on the entire Brio range. Brio Big nibs can be combined with a great variety of NAPCO counterplates (see relative section) depending on the series used.



Materials

Stainless Steel



| Item code | Description | L [mm] | A [mm] | Z [mm] | Base Raw | Anodized Elox | Painted | Trend/Oro Brass | Pieces per pack |
|-----------|--------------|--------|--------|--------|----------|---------------|---------|-----------------|-----------------|
| 04589 | BRIO BIG NIB | 32 | 9 | 5 | X | | | | 100 |

Nib (Non-Thermal System)

Functions

Brio Big nibs, combined with a counterplate, enable making the fastening mechanism of sliding casements. Brio Big nibs can be used in combination with the full Brio range (Plus, Rapid, Mini, City including the Key versions).

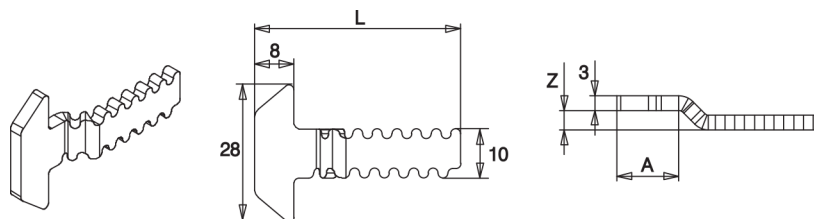
Technical Features

Brio Big nibs are made of stainless steel and are characterized by their exceptional strength. They are fitted with oversized heads to enable efficient use on the counterplate, and guarantee improved sealing and more range of adjustment of the lock point elements. The special toothing is designed for micrometric adjustment of the Brio Plus handle, even though the nib can be used on the entire Brio range. Brio Big nibs can be combined with a great variety of NAPCO counterplates (see relative section) depending on the series used.



Materials

Stainless Steel



| Item code | Description | L [mm] | A [mm] | Z [mm] | Base Raw | Anodised Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|--------------|--------|--------|--------|----------|---------------|---------|------------------|-----------------|
| 04530 | BRIO BIG NIB | 37 | 14,56 | | X | | | | 100 |

Drainage Cap

Functions

Polyamide part with snap fitting, to be used for covering the drain slot.

Technical Features

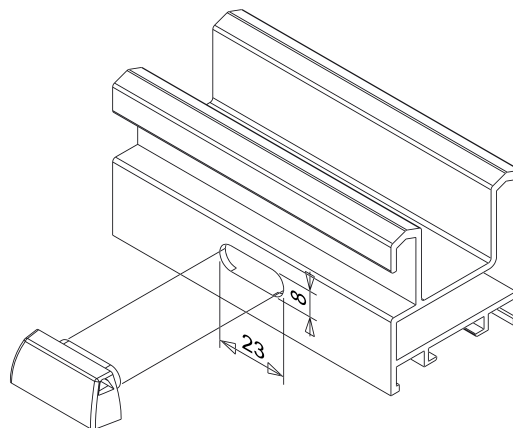
The drain cap has a quick-fit snap-fix fastener, on the special machinings in the figure. Enables the water in the groove to be drained off quickly outside the room. The particular shape of the cap and the presence of an internal valve (when fitted) allow an optimal run-off of water even under conditions of strong external pressure caused by the wind.



Materials

Black polyamide

Machining art. 02282



| Item code | Description | NoteM | aterial | Base Raw | Anodised Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|-------------------|------------|-----------------|----------|---------------|---------|------------------|-----------------|
| 02282 | DRAINAGE HOLE CAP | with valve | Black polyamide | X5 | | | | 0 |

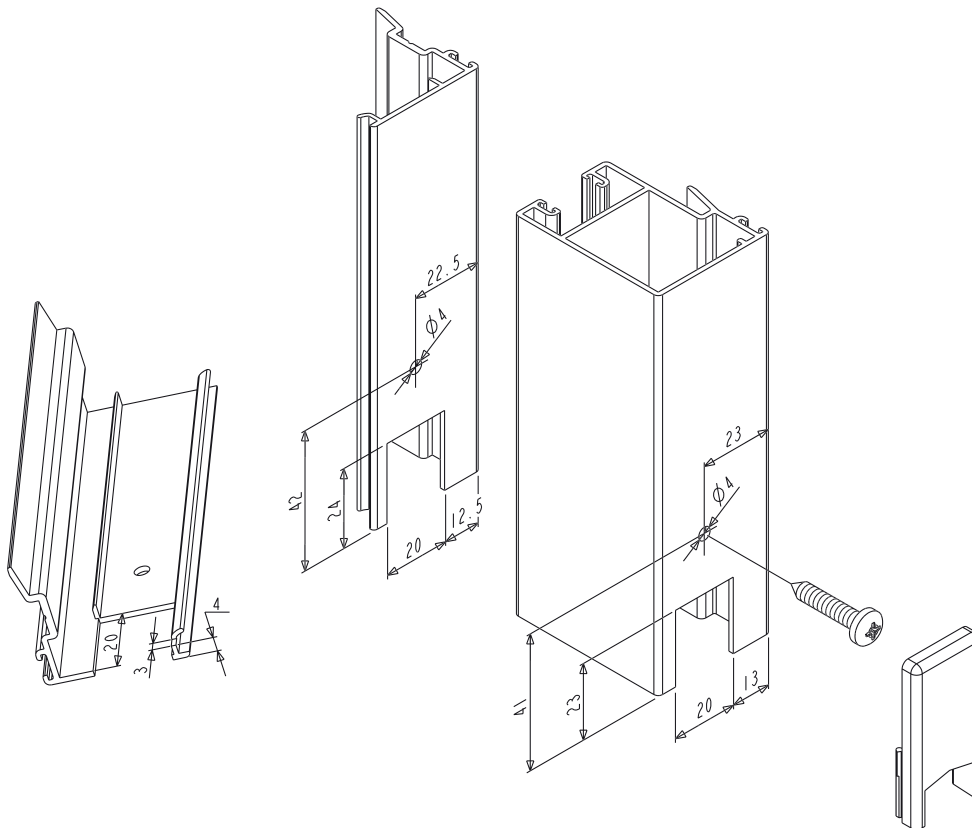
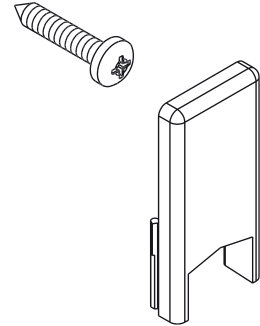
Machining Cap

Functions

Cap covering the machining on the central upright of sliding sashes. Fixing is by means of a self-tapping screw.

Materials

Black polyamide cap
Zinc plated steel screw






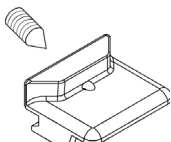

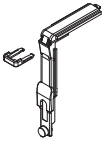
| Item code | Description | Note | Base Raw | Anodised Elox | Painted | Trend/Gold Brass | Pieces per pack |
|-----------|------------------|------|----------|---------------|---------|------------------|-----------------|
| 03144 | MACHINING COVERS | | X | | | | 50 |

CURTAIN WALL TOP HUNG WINDOW



Curtain Wall Top Hung Window

Top Hung Window/ Curtain Wall

| Picture | Code | Description |
|---|---------------|-----------------------|
|  | 00957 | Kora Cremone |
|  | 02262 | Connection Components |
|  | 04042K | Pawls |
|  | 01343K | Strikers |
|  | 08534 → 08542 | GS HD Arms Type P |
|  | 04019 | Corner Drive |

Kora Cremone

Functions

Reversible cremone handle for operating the NAPCO Sash, Tilt-and-Turn Window and Tilt-and-Turn Window with Microventilation mechanisms.

Technical Features

The use of high quality die-cast materials and the NAPCO painting system guarantee excellent mechanical performance, together with colour uniformity and good abrasion resistance.

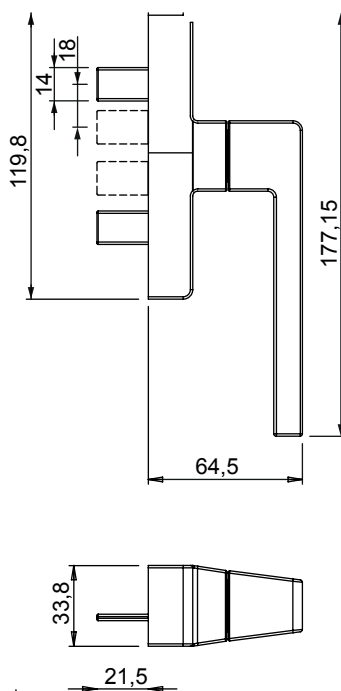
The Kora cremone has a fixing C/C distance of 104 mm and 92 mm, but can be easily adapted for fixing with a C/C distance of 84 and 98 mm.



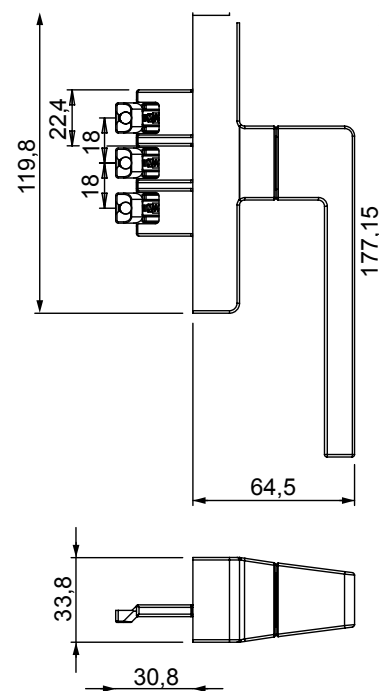
Materials

Handle in die-cast aluminium
 Cremone case, gear racks in die-cast zamak
 Internal sheath and Hostaform plate
 Steel spring
 Stainless steel screws and fixing plate

Overall dimensions of cremone for sash



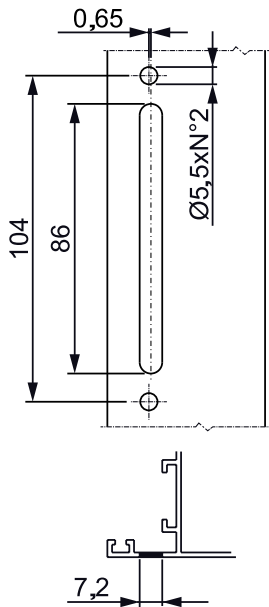
Overall dimensions of cremone for tilt-and-turn



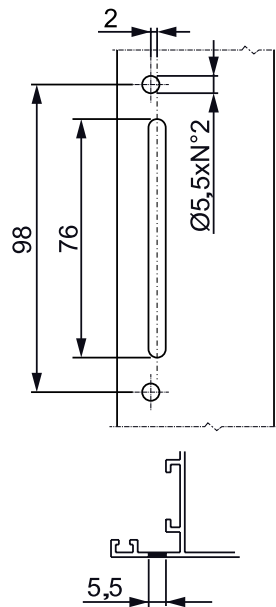
Curtain Wall Top Hung Window

Kora Cremone

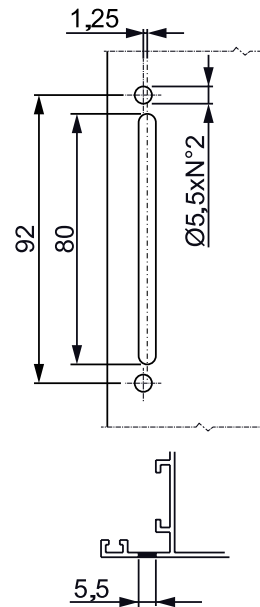
C/C distance machining 104 mm



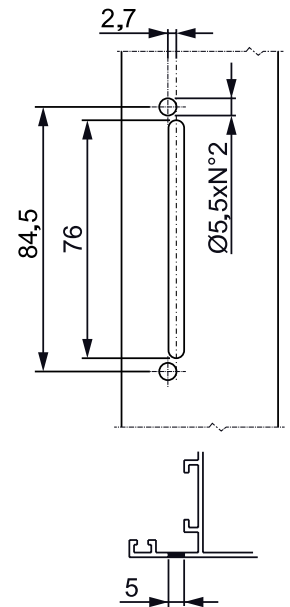
C/C distance machining 98 mm



C/C distance machining 92 mm



C/C distance machining 84.5 mm



Connection Components

Functions

Connection components between mechanisms (cremone or window handle) and connection rods.

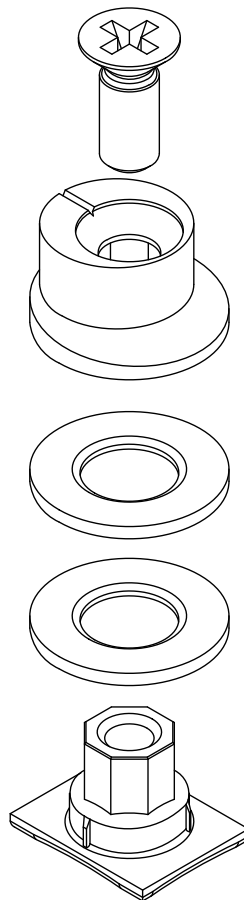
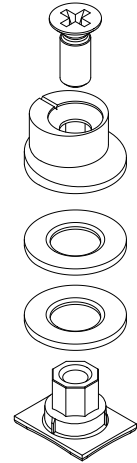


Curtain Wall Top Hung Window

Pawls

Functions

Pawl to be combined with a striker, required to create a locking point



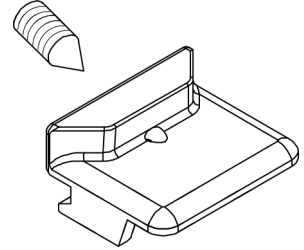
Strikers

Functions

Components made to be fitted on frames of casements with one or more sashes with the function of accommodating the tips of bolts and terminals and the fastening pawls made by NAPCO.

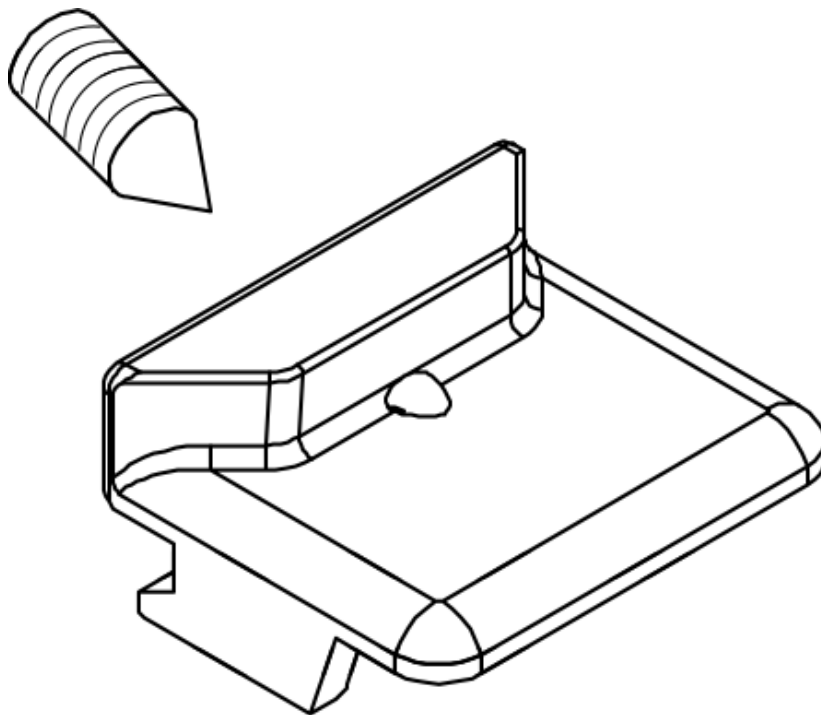
Technical Features

The sash fastening mechanism is available in different versions: fastening by pawls, fastening by Giap terminals, fastening by adjustable terminals and perimeter fastening by corner drives. The fastening mechanism is to be in addition to the Euro or Prima Cremona and the Flash Base hinges.



Materials

Connecting blocks and raiser made of polyamide
Zamak fastening mechanism components
Screws and grub screws in stainless steel



Curtain Wall Top Hung Window

GS HD ARMS TYPE P

Functions

Pair of self-balancing arms (one right and one left) able to bear the weight of a top hung window and hold it in the open position.

Technical Features

Type-P GS HD arms are suitable for medium to large size/weight top-hung windows. Since the upper part of the arm is asymmetrical, within the pair of arms we will have a right and a left; this asymmetrical geometry of the arm improves the return and closing phases. Type-P GS HD arms may be frictioned by way of the grub screw on the slider and, depending on the model, you can choose also the maximum sash opening angle. To make operable fixtures with different dimensions and weights to those indicated in the table, please call the NAPCO technical service. Type-P GS HD arms, depending on the version, provide micrometric height adjustment. If necessary, the P type arms can be applied with the I, L and Laser limitation arms; this is in order to limit the maximum opening of the sash. Type-P GS HD arms are tested by NAPCO for up to lifetime 30.000 cycles.



Note:

Arms selection based on vent opening.

Materials

AISI 304 stainless steel arm

Slider in polyamide and 304 grade stainless steel

Zamak height-adjustment device

| GS HD TYPE "P" | | | | | | | DIMENSIONS FOR TOP HUNG | | |
|--------------------|--------------|----------------|----------------------------|------------------|-----------------|--------------------|---------------------------|---------------------|-------------------------|
| DESCRIPTION ARM | Code Article | Opening System | F.Stay Width Dimension(mm) | Stack Height(mm) | F.Stay Size(mm) | Opening Angle Max. | Height Vent From. To.(mm) | Width Vent Max.(mm) | Max. Vent Weight KG(mm) |
| GS HD - 10" Type P | 08534000N | Top | 23 | 16+0.5 | 261.50 | 35° | 700 | 1200 | 50.00 |
| GS HD - 12" Type P | 08535000N | Top | 23 | 16+0.5 | 317.50 | 30° / 35° | 800 | 1200 | 60.00 |
| GS HD - 14" Type P | 08536000N | Top | 23 | 16+0.5 | 353.50 | 30° / 35° | 1000 | 1300 | 69.50 |
| GS HD - 16" Type P | 08537000N | Top | 23 | 16+0.5 | 414.50 | 25° / 35° | 1200 | 1400 | 88.50 |
| GS HD - 18" Type P | 08538000N | Top | 23 | 16+0.5 | 458.50 | 25° / 35° | 1400 | 1400 | 102.00 |
| GS HD - 20" Type P | 08539000N | Top | 23 | 16+0.5 | 511.50 | 20° / 25° | 1600 | 1500 | 135.00 |
| GS HD - 22" Type P | 08540000N | Top | 23 | 16+0.5 | 556.50 | 20° / 25° | 1700 | 1500 | 137.00 |
| GS HD - 24" Type P | 08541000N | Top | 23 | 16+0.5 | 602.50 | 20° / 25° | 1800 | 1500 | 139.00 |
| GS HD - 28" Type P | 08542000N | Top | 23 | 16+0.5 | 707.50 | 10° / 15° / 20° | 2000 | 1500 | 155.00 |



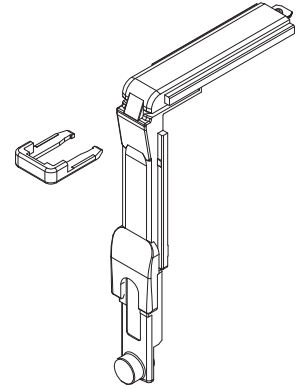
Corner Driver

Functions

Element for transmission of movement of the hardware on the cremone side to the upper and/or lower cross beam.

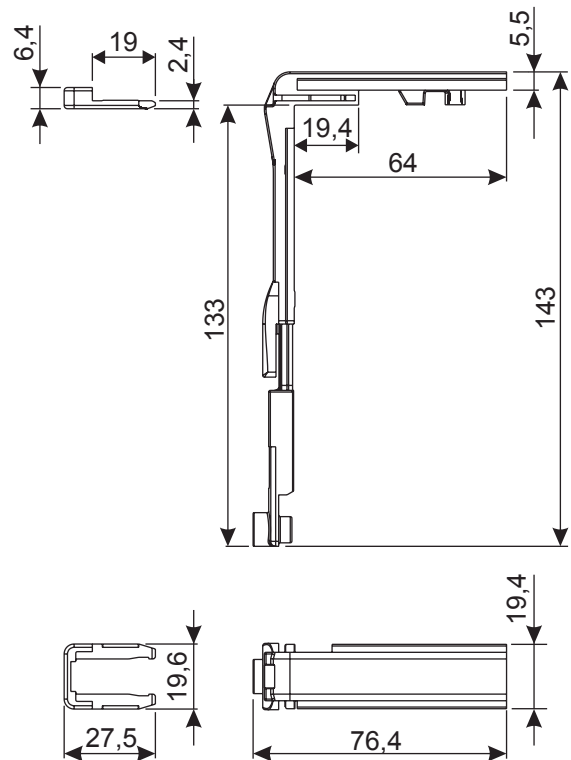
Technical Features

Left/right reversible and equipped with a fixed pawl for creating a lock point in combination with the adjustable striker, on the cremone side or cross beam side, depending on how the drive is to be positioned. It is secured using a hooking clip enabling quick and easy fixing without having to machine the profile and without screws. It snaps on and is removed using a screwdriver.



Materials

SILVER PLUS GS Zamak body and clip
Stainless steel plates





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