

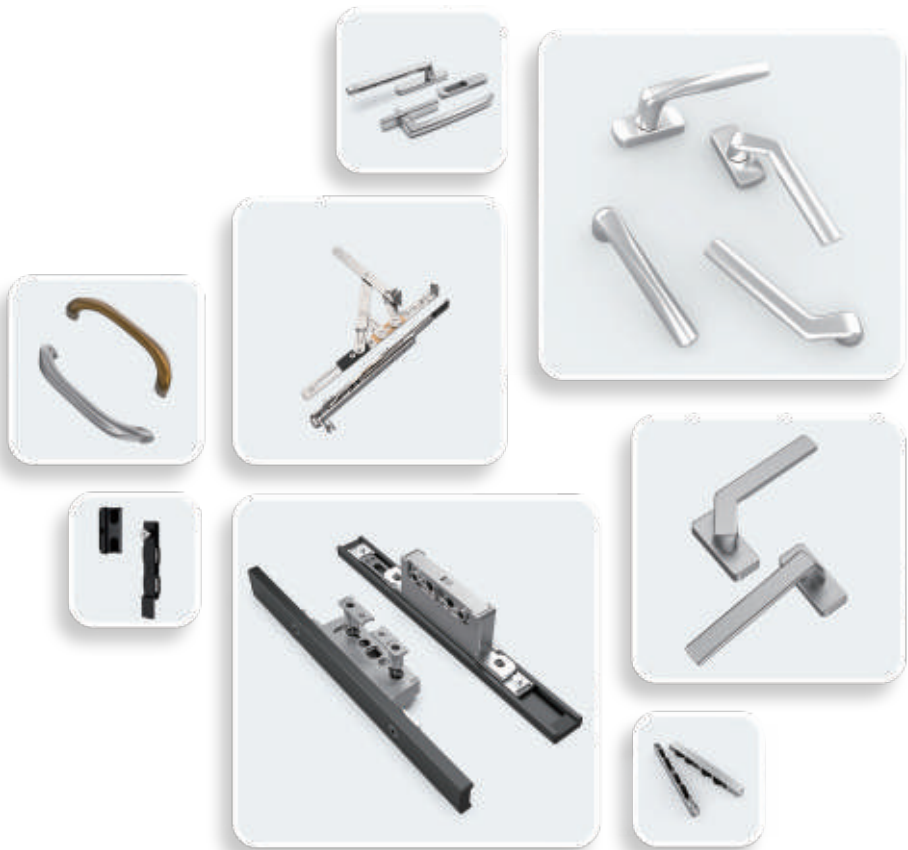
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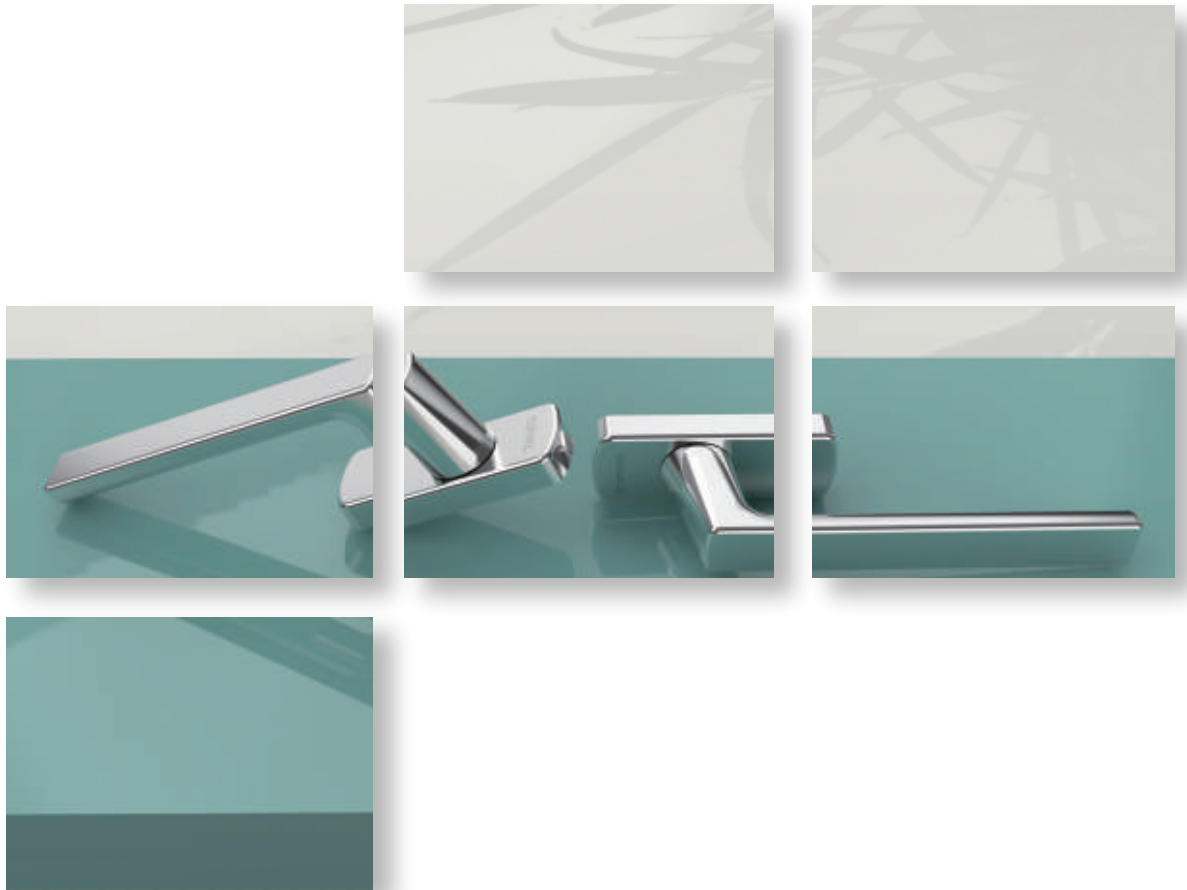
CIFIAL

CIFIAL  
DESIGN

CIFIAL  
Centennial inheritance    Originated from Europe



Hardcover Decoration Door and  
Window Hardware Products Catalogue



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3

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Hardcover Decoration Door and  
Window Hardware Products Catalogue

www.cifialhardware.cn

## CIFIAL brand introduction

CIFIAL, founded in 1904 in Porto, Portugal, has been striving to explore the perfection of product innovation and process engineering with a hundred years of continuous technological innovation and management improvement. Over the years, its technology and products have become the spirit of inheritance in the field of construction. It has gained international recognition and won world-renowned design awards.



Production Scenarios of CIF Factory in 1904



Group photo of all CIFIAL personnel in the 1940s

Everything CIFIAL does comes from continuous innovation. From product design to production and manufacturing, it reflects humanized design, green energy saving and craftsman spirit everywhere. CIFIAL product design and quality has been recognized internationally for many years, winning the world famous design awards: such as the German Reddot Award, the German IF Design Award, the Japanese G-Mark Design Award, the European Design Award EDP, the American International Design Award ADEX, etc. Over the years, CIFIAL has insisted on quality, and its technology and products have become the spirit of inheritance and craftsmanship in the field of construction.

After the baptism of the First World War and the Second World War, CIFIAL has maintained its development vitality in many world economic crises, and achieved nirvana through enterprise transformation. In it's over a century long history of development, we have adhered to meticulous craftsmanship and have gained recognition from customers over the years, creating a well-known brand in the global construction industry.

In 2019, Kinlong Company, which is committed to globalization, wholly acquired the Portuguese CIFIAL Group, introducing pure European building hardware products into the Chinese market, and starting a new journey of applying CIFIAL to the hardcover house and home decoration business in China.



German Red Dot Design Award



German IF Design Award



In 2019, KIN LONG and CIFIAL signed an acquisition agreement

CIFIAL products are widely used in villas, high-end residential buildings, high-end apartments, hotels, furnished rooms, and upgrade and renovation projects. Using CIFIAL brings you a different experience for European brands!!

## CIFIAL hardware instructions

### ● Selected configurations

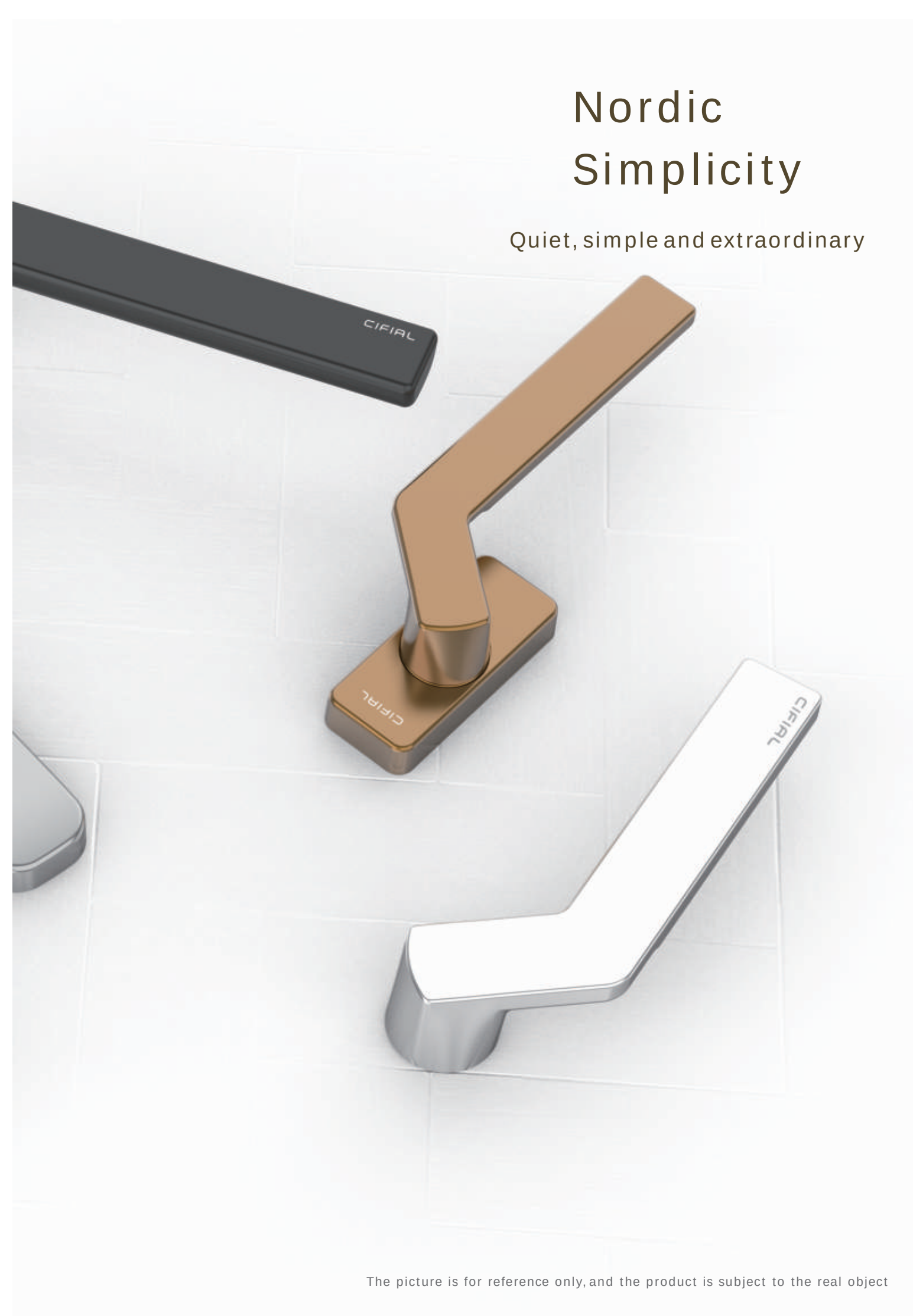
- 1.The technical parameters and pictures of the products in the catalogue are for reference only, and the actual application shall be subject to the real object. We will not be responsible for the quality of the application beyond the use limit or the mixed use of other products that are not recognized by the commitment with the upgrading and progress of product technology, the parameters of some products will change without further notice
- 2.The product application in the catalogue is based on the conventional application environment. In the unconventional use environment, such as high salt, high humidity, high corrosion and offshore areas, please communicate with the technicians in advance;
- 3.Please ensure that the fittings are configured as a complete set. When using a single product, it is necessary to confirm the compatibility and feasibility of fittings
- 4.The bearing capacity of the hardware in the atlas is related to the parameters such as door and window materials, glass thickness, width and height ratio. When selecting non-standard door and window types, please contact our technical service personnel;
- 5.The suitable window type parameters mentioned in the brochure are determined based on laboratory environmental testing and application experience. Please conduct trial installation and confirmation according to the actual application conditions. We will not be responsible for the quality of the application beyond the use limit or the mixed use of other products that are not recognized by the commitment

### ● Install and use

- 1.The product storage environment should be kept dry and ventilated shall not be stored in the open air to avoid exposure to the sun and rain
- 2.Please install and debug the product correctly according to the product installation and usage manual to ensure that the product can be used normally
- 3.Please clean the profiles when installing the products on site to prevent foreign matters from affecting the normal opening of doors and windows;
- 4.The performance of doors and windows can be improved by adjusting the product due to the poor phenomena such as sagging and excessive gap due to processing accuracy or long-term use
- 5.After the installation of fittings is completed, protective measures should be taken before delivery (such as closing windows, using handle protective sleeves, etc.) to avoid damage to fittings or affecting normal operation

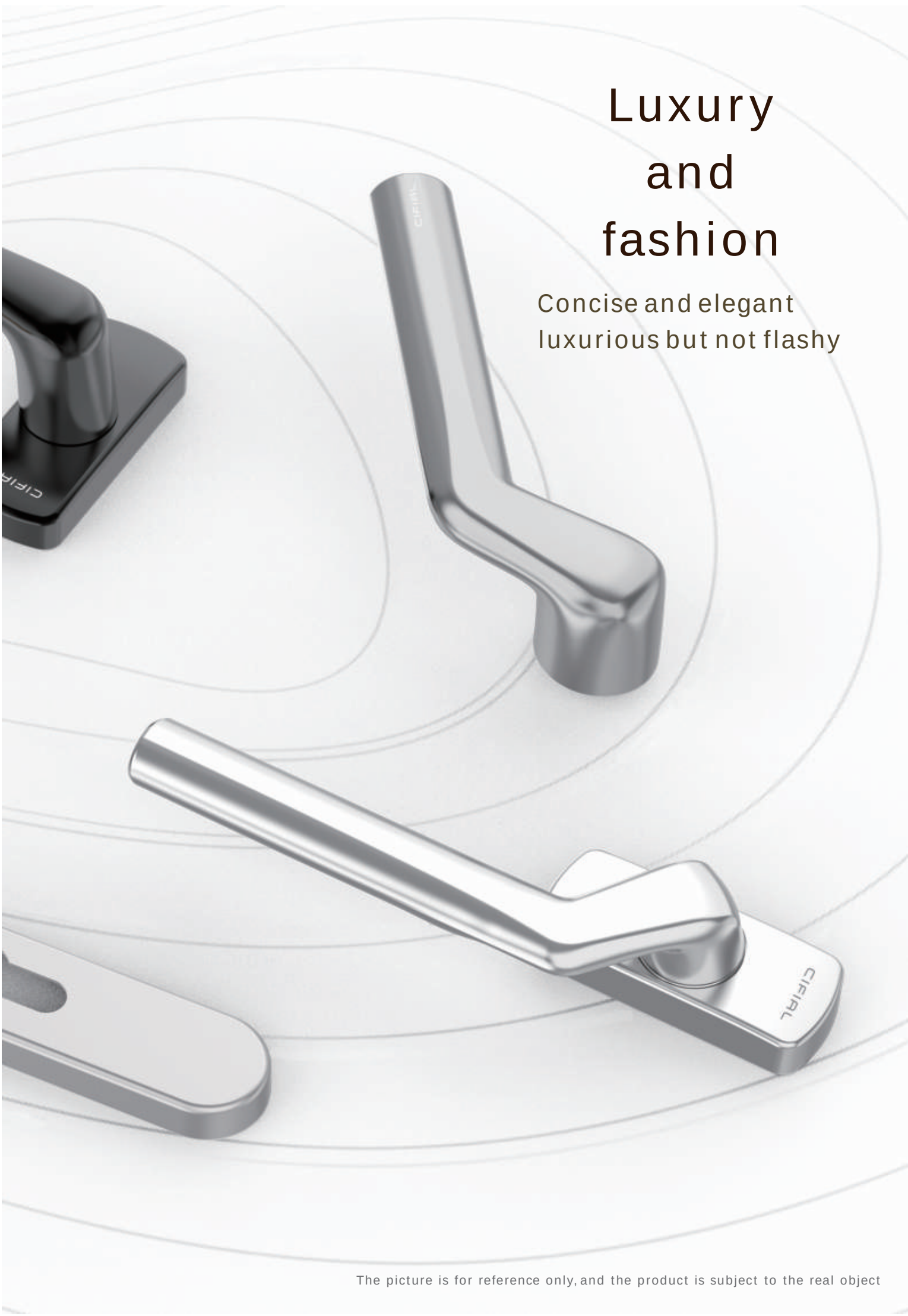
### ● Maintenance

- 1.To ensure that your product is in the best condition, please ensure that it is inspected, maintained, and serviced regularly (with a maintenance cycle of generally 6 months) (High cold and windy areas should be inspected, maintained, and serviced before entering winter or windy weather)
- 2.According to relevant standards, doors and windows should be closed on rainy, snowy or windy days when the wind reaches level four or above. Avoid damage to hardware caused by wind pressure and rain, which can pose safety hazards
- 3.The handle, hinge, hinge and other open functional parts should be decontaminated and dusted frequently. It is strictly prohibited to use corrosive chemicals to clean the product
- 4.The movable and friction mechanism shall be properly lubricated regularly and kept clean, lubricated and free of blockage
5. Fittings, such as screws, rivets, etc., should be inspected regularly. If any abnormal conditions such as loose or shaking connections are found, they should be repaired or replaced in a timely manner to avoid safety hazards or affecting normal operation.



The picture is for reference only, and the product is subject to the real object





# Luxury and fashion

Concise and elegant  
luxurious but not flashy

The picture is for reference only, and the product is subject to the real object

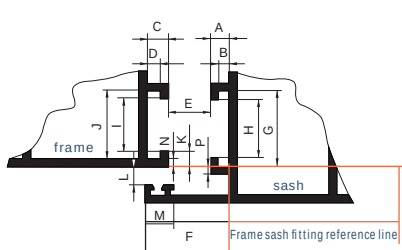






Standard Notch Diagram

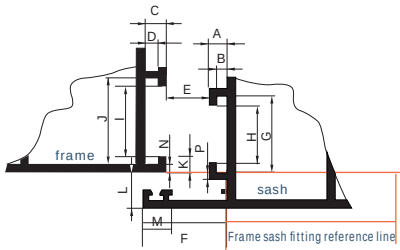
- Inner casement window and open-in top hung window system



Size parameter

| A   | B | C | D | E    | F  | G                                  | H                                  | I                                  | J                                  | K | L | M   | N | P |
|-----|---|---|---|------|----|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---|---|-----|---|---|
| 4.5 | 3 | 5 | 3 | 11.5 | 22 | 20 <sup>+0.5</sup> <sub>-0.5</sub> | 15 <sup>+0.5</sup> <sub>-0.5</sub> | 14 <sup>+0.5</sup> <sub>-0.5</sub> | 18 <sup>+0.5</sup> <sub>-0.5</sub> | 4 | 5 | 7.5 | 2 | 2 |

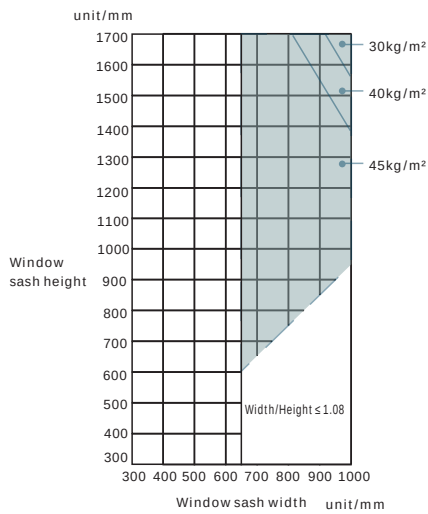
20Cschematic diagram of standard groove profile dimensions



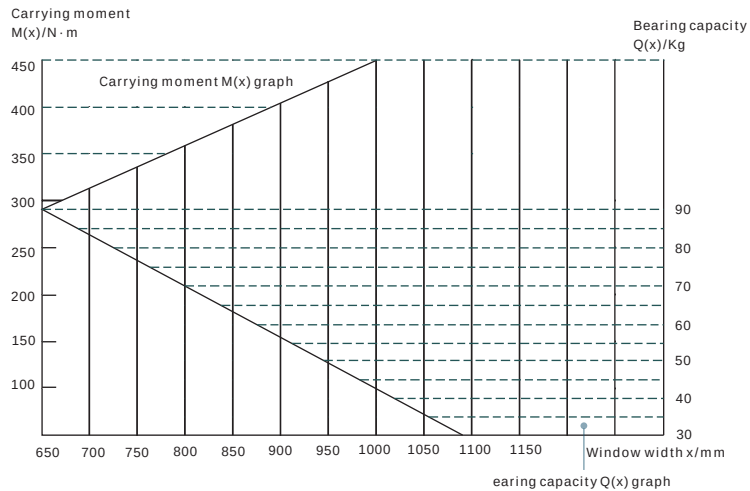
| A   | B | C | D | E    | F  | G                                  | H                                  | I                                  | J                                  | K | L | M   | N | P |
|-----|---|---|---|------|----|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---|---|-----|---|---|
| 4.5 | 3 | 5 | 3 | 11.5 | 22 | 20 <sup>+0.5</sup> <sub>-0.5</sub> | 15 <sup>+0.5</sup> <sub>-0.5</sub> | 23 <sup>+0.5</sup> <sub>-0.5</sub> | 27 <sup>+0.5</sup> <sub>-0.5</sub> | 4 | 5 | 7.5 | 2 | 2 |

23/27schematic diagram of standard groove profile dimensions

Hinge load capacity curve diagram



90kg hinge load capacity curve diagram



90kg hinge moment curve diagram

- The curve in the hinge bearing curve diagram represents the weight of glass per square meter. When selecting hinges, the width and height of the sash should be selected within the corresponding range on the left side of the curve and diagonal line based on the weight of glass per square meter. When the window sash width is  $\geq 650\text{mm}$ , it is recommended that the width/height of the window sash be  $\leq 1.08$
- When the width of the window sash is  $\geq 650\text{mm}$ , that is, when it is in the shaded part of the hinge bearing curve, it is necessary to perform torque verification on the hinge according to the hinge torque curve. As the window width increases, the combined load-bearing capacity gradually decreases;
- The total weight of sash  $Q \approx \text{sash width } B \times \text{sash height } h \times \text{glass thickness} \times \text{glass specific gravity } \gamma \times \text{profile proportion coefficient}$
- Calculation of hinge bearing moment: The hinge bearing moment  $M(x) = (\text{window weight } G \times \text{sash width } x) / 2$  should be selected and used within the allowable range.

Hardware system

|                                                  |         |
|--------------------------------------------------|---------|
| Open-in top hung window system                   | 001-008 |
| Window screen integrated system                  | 009-016 |
| Window screen integrated system                  | 017-018 |
| Side hung Door system                            | 019-020 |
| Hardware of extremely narrow sliding door system | 021-022 |
| Hardware of narrow side hung door system         | 023-024 |
| Heavy duty sliding door system                   | 025-026 |
| Lifting sliding door system                      | 027-028 |
| Lifting sliding door system                      | 029-030 |
| Door and window integrated system                | 031-032 |

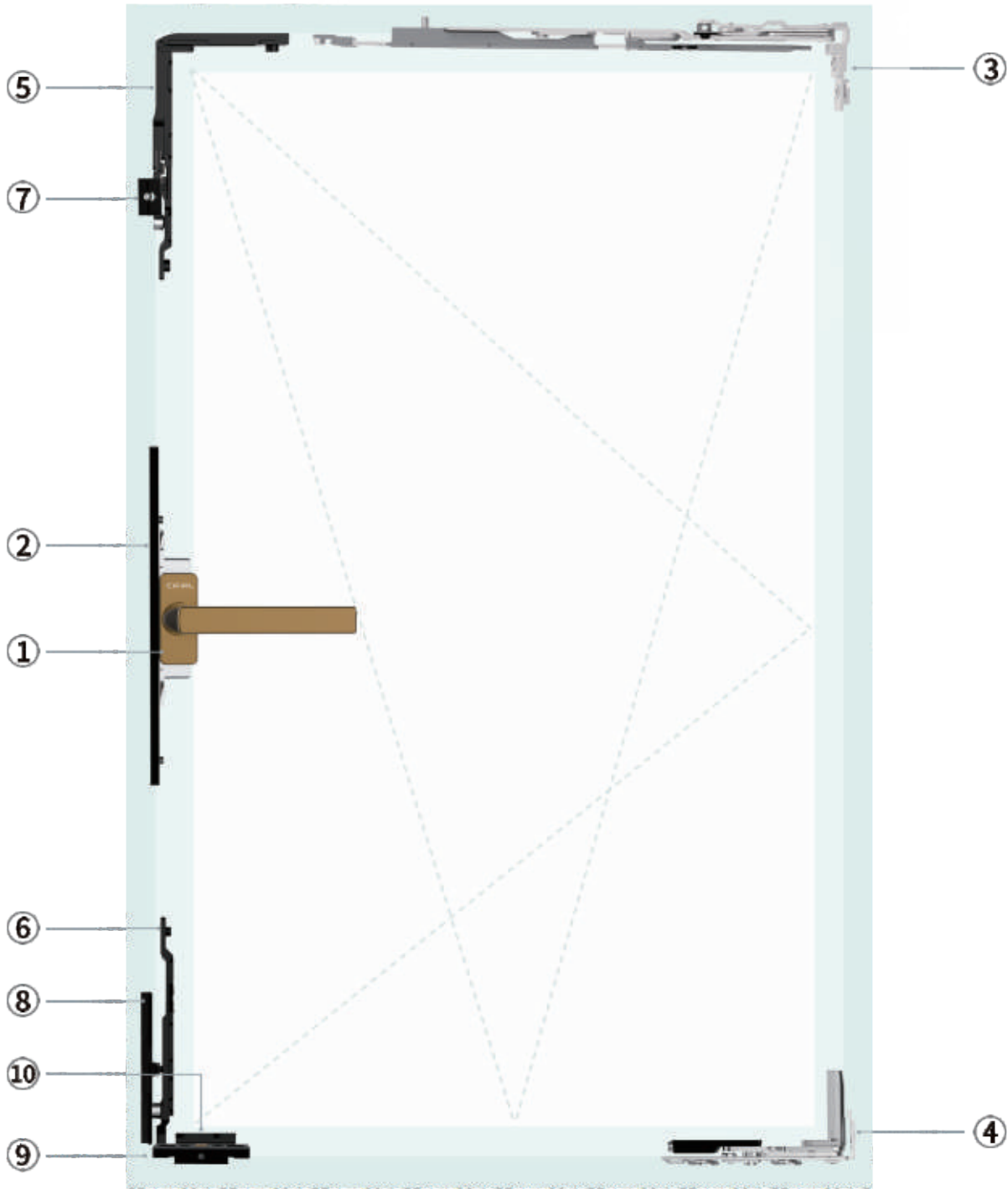
Product range

|                              |         |
|------------------------------|---------|
| Window handle series         | 033-043 |
| Door handle series           | 044-052 |
| Hinge series                 | 053-062 |
| Transmitter series           | 063-066 |
| Door lock&Cover plate series | 067-070 |
| Handle&sliding lock series   | 071-075 |
| Pulley series                | 076-082 |
| Transmission locking series  | 083-091 |
| Other series                 | 091-093 |
| Auxiliary accessories series | 094     |



ZND100

TURN AND TILE WINDOW HARDWARE SYSTEM



ZND100 Concealed horizontal pivoting window hardware system

ACCESSORIES LIST

| Item | Name of accessories       | Code      | Quantity | Remark                                                               |
|------|---------------------------|-----------|----------|----------------------------------------------------------------------|
| 1    | Square steel handle       | ZS10      | 1        | Optional handle appearance, mechanical sound and oxidation treatment |
| 2    | Transmitter               | ZDA212    | 1        | Center distance 12mm                                                 |
| 3    | Hidden Top Right Hinge    | ZHY612A-R | 1        | Left and right                                                       |
| 4    | Hidden Bottom Right Hinge | ZHY620A-R | 1        | Left and right                                                       |
| 5    | Anti error corner device  | ZJ110     | 1        |                                                                      |
| 6    | Latch                     | ZCX10A    | 1        |                                                                      |
| 7    | Lock block                | ZLP125    | 1        |                                                                      |
| 8    | Lock block                | ZFK10     | 1        |                                                                      |
| 9    | Support base              | ZLC15     | 1        |                                                                      |
| 10   | Support block             | ZLC11A    | 1        |                                                                      |
|      | Limiter                   | ZFX10-12  | 1        | Specification depends on window type, optional                       |

Recommended handle

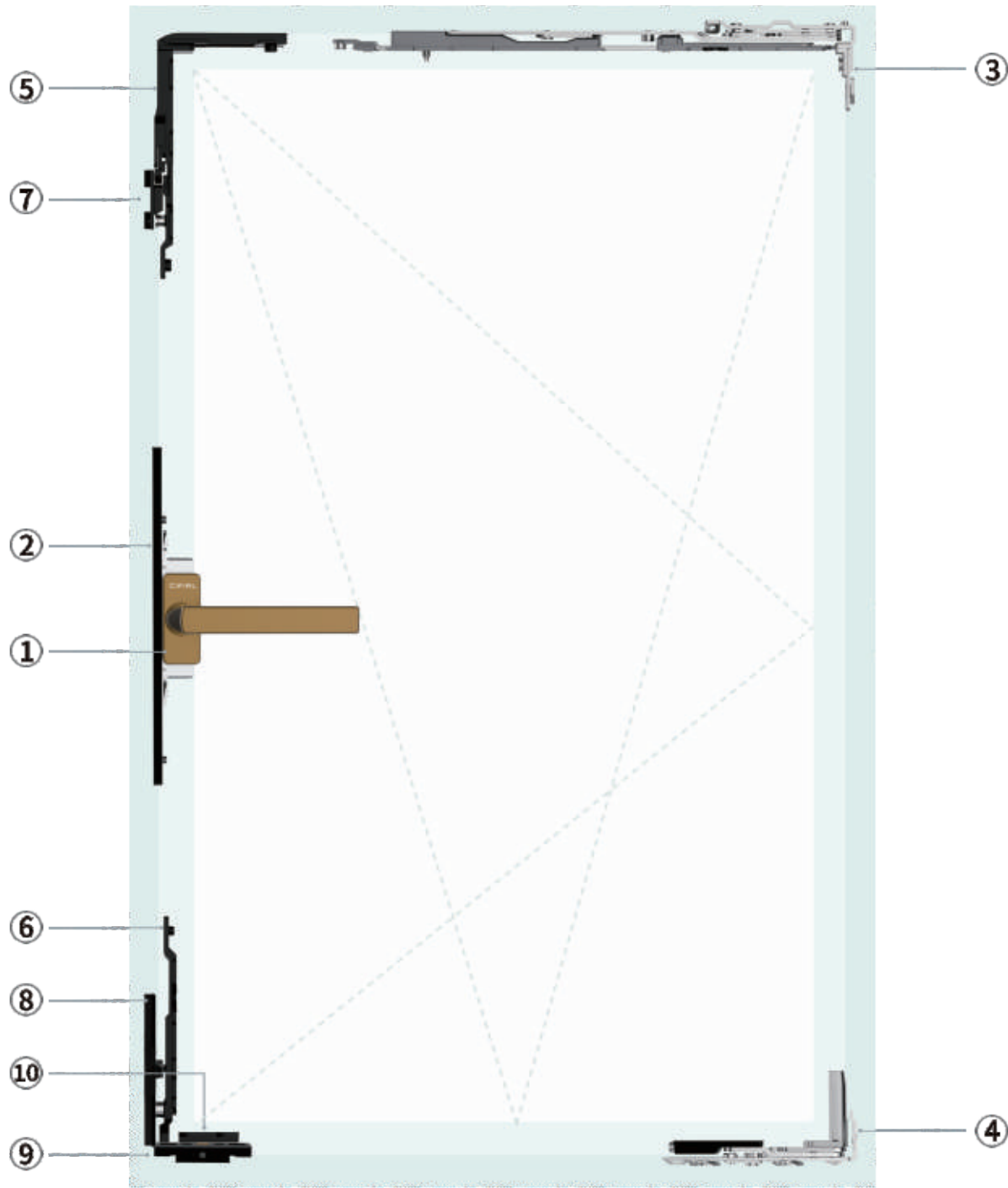


CONFIGURATION SPECIFICATION

- System specification
- 1 This system is compatible with standard 20C groove profiles. Please refer to the "Profile Node Diagram" on the catalogue contents page for the requirements for adapting profiles. As for the 23/27K groove profile adaptation, please contact technical personnel;
  - 2 The horizontal pivoting window can meet the window type with the width of 470-750mm and the height of 880-1500mm. It is recommended that the window type ratio (height/width) be kept at 1.5:1. The width of the window type fan is between 405-470mm, and accessory number 3 can be replaced with ZHY632-L/R. If it exceeds the usage specifications, the sample shall prevail according to the agreement between both parties.
  - 3 The maximum load capacity of the hinge is 90kg. For practical applications, please refer to the "Hinge Load Capacity Curve Diagram" on the catalogue contents page for matching verification.
  - 4 Multi-sides multi-points lock configuration need to add hardware accessories such as ZJ320 small corner reducer, ZLP125 lock block, and ZGB10G side drive rod, as shown in the catalog P86-P94;
  - 5 The configuration of the internal screen window can be found in the P12 "Internal Screen Window Accessories Table" in the brochure; The configuration of the external screen window can be found in the P14 "External Screen Window Accessories Table".
  - 6 Please refer to the "CIFIAL Hardware Instructions" on the front page of the catalogue contents for the requirements for using hardware.
- Remarks:
- The style of the handle is optional, please refer to P34-P43;
- This product is an optional accessory, and it is recommended to use it with a limiter to achieve the best usage effect. The specific specifications are selected according to the window type. For specific details, please refer to P92.

ZND100S

TURN AND TILE WINDOW HARDWARE SYSTEM



ZND100S Concealed horizontal pivoting window hardware system

ACCESSORIES LIST

| Item | Name of accessories       | Code      | Quantity | Remark                                                               |
|------|---------------------------|-----------|----------|----------------------------------------------------------------------|
| 1    | Square steel handle       | ZS10      | 1        | Optional handle appearance, mechanical sound and oxidation treatment |
| 2    | Transmitter               | ZDA212    | 1        | Center distance 12mm                                                 |
| 3    | Hidden Top Right Hinge    | ZHY612A-R | 1        | Left and right                                                       |
| 4    | Hidden Bottom Right Hinge | ZHY620A-R | 1        | Left and right                                                       |
| 5    | Anti error corner device  | ZJ110T    | 1        | Anti theft lock point                                                |
| 6    | Latch                     | ZCX10A    | 1        |                                                                      |
| 7    | Lock block                | ZLP126-R  | 1        | Left and right anti theft lock block                                 |
| 8    | Lock block                | ZFK10     | 1        |                                                                      |
| 9    | Support base              | ZLC15     | 1        |                                                                      |
| 10   | Support block             | ZLC11A    | 1        |                                                                      |
|      | Limiter                   | ZFX10-12  | 1        | Specification depends on window type, optional                       |

Recommended handle



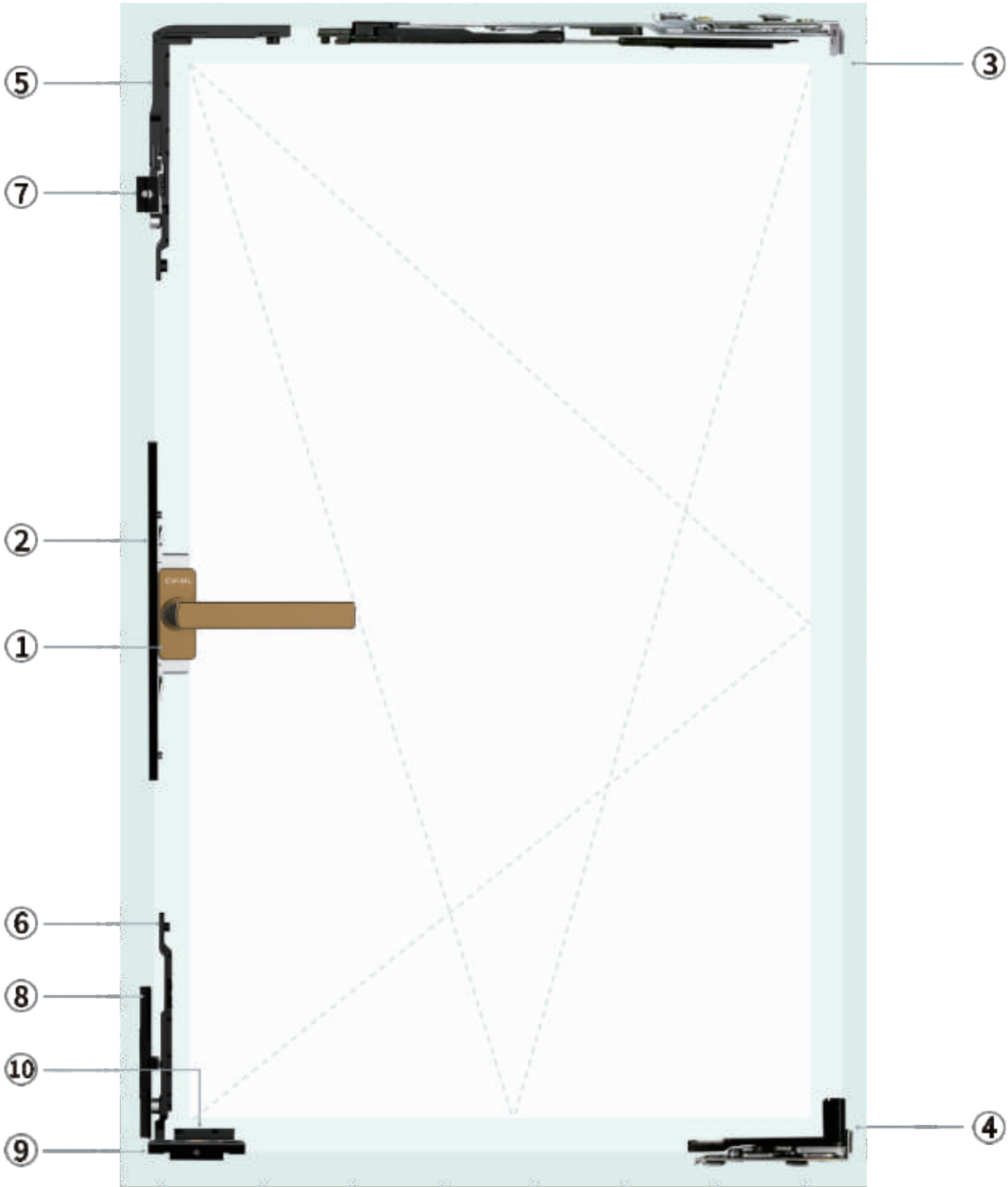
CONFIGURATION SPECIFICATION

- System specification
- 1 This system is a security reinforced solution that uses reinforced anti-theft lock points to adapt to standard 20C slotted profiles. Please refer to the "Profile Node Diagram" on the catalogue contents page for the requirements for adapting profiles. As for the 23/27K groove profile adaptation, please contact technical personnel;
  - 2 The horizontal pivoting window can meet the window type with the width of 470-750mm and the height of 880-1500mm. It is recommended that the window type ratio (height/width) be kept at 1.5:1. The width of the window type fan is between 405-470mm, and accessory number 3 can be replaced with ZHY632-L/R. If it exceeds the usage specifications, the sample shall prevail according to the agreement between both parties.
  - 3 The maximum load capacity of the hinge is 90kg. For practical applications, please refer to the "Hinge Load Capacity Curve Diagram" on the catalogue contents page for matching verification.
  - 4 Multi-sides multi-points lock configuration need to add hardware accessories such as ZJ320 small corner reducer, ZLP125 lock block, and ZGB10G side drive rod, as shown in the catalog P86-P94;
  - 5 The configuration of the internal screen window can be found in the P12 "Internal Screen Window Accessories Table" in the brochure; The configuration of the external screen window can be found in the P14 "External Screen Window Accessories Table".
  - 6 Please refer to the "CIFIAL Hardware instructions" on the front page of the catalogue contents for the requirements for using hardware.
- Remarks:
- The style of the handle is optional, please refer to P34-P43;
- This product is an optional accessory, and it is recommended to use it with a limiter to achieve the best usage effect. The specific specifications are selected according to the window type. For specific details, please refer to P92.



ZND200

TURN AND TILE WINDOW HARDWARE SYSTEM(180° opening)



ZND200 Concealed horizontal pivoting window hardware system(180° opening)

ACCESSORIES LIST

| Item | Name of accessories       | Code     | Quantity | Remark                                                               |
|------|---------------------------|----------|----------|----------------------------------------------------------------------|
| 1    | Square steel handle       | ZS10     | 1        | Optional handle appearance, mechanical sound and oxidation treatment |
| 2    | Transmitter               | ZDA212   | 1        | Center distance 12mm                                                 |
| 3    | Hidden Top Right Hinge    | ZHY658-R | 1        | Left and right 180° opening                                          |
| 4    | Hidden Bottom Right Hinge | ZHY668-R | 1        | Left and right 180° opening                                          |
| 5    | Anti error corner device  | ZJ110    | 1        | Rolling lock point                                                   |
| 6    | Latch                     | ZCX10A   | 1        |                                                                      |
| 7    | Lock block                | ZLP125   | 1        |                                                                      |
| 8    | Lock block                | ZFK10    | 1        |                                                                      |
| 9    | Support base              | ZLC15    | 1        |                                                                      |
| 10   | Support block             | ZLC11A   | 1        |                                                                      |
|      | Limiter                   | ZFX10-12 | 1        | Specification depends on window type, optional                       |

Recommended handle

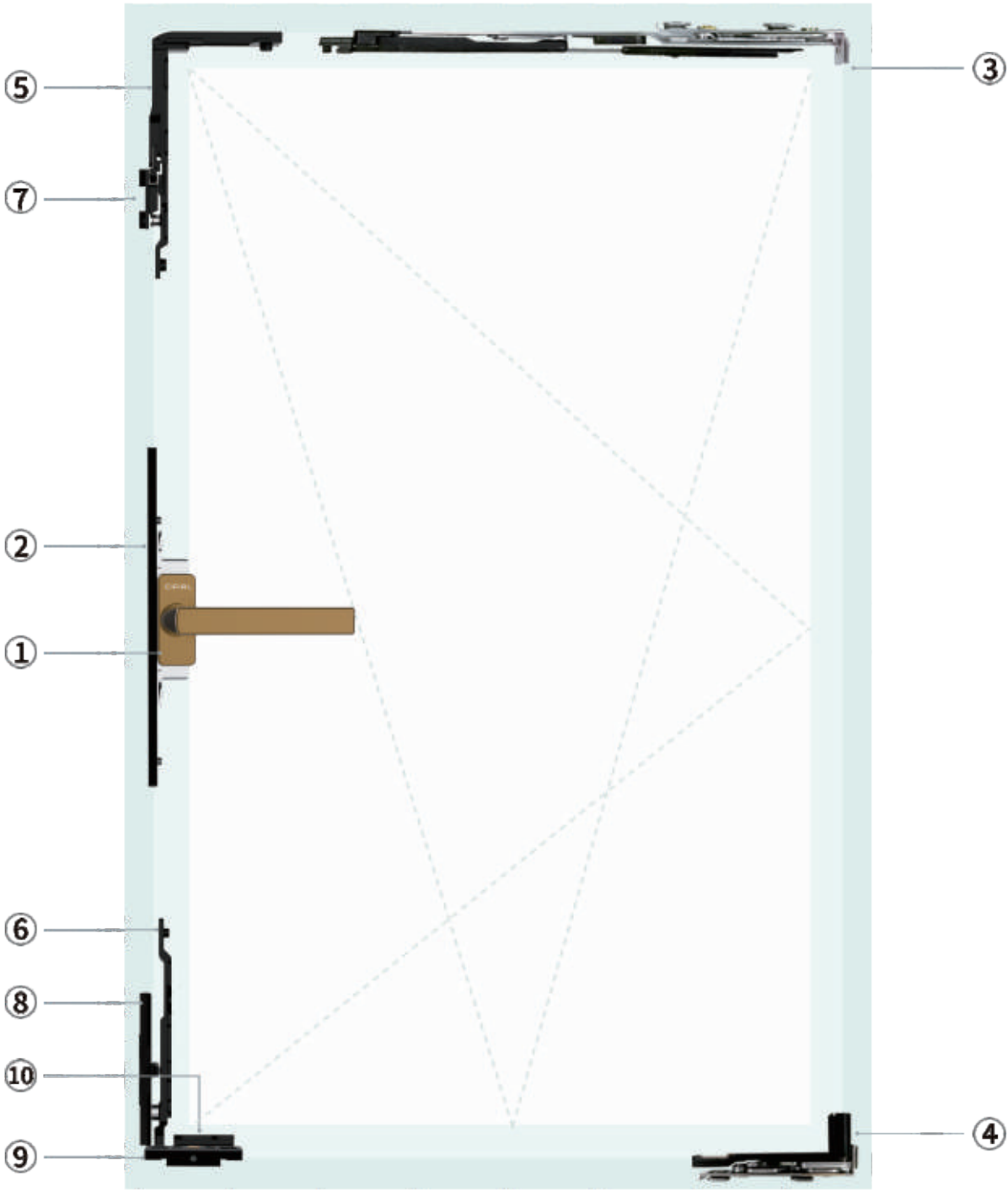


CONFIGURATION SPECIFICATION

- System specification
- 1 This system is compatible with standard 20C groove profiles. Please refer to the "Profile Node Diagram" on the catalogue contents page for the requirements for adapting profiles. As for the 23/27K groove profile adaptation, please contact technical personnel;
  - 2 The horizontal pivoting window can meet the window type with the width of 470-750mm and the height of 880-1500mm. It is recommended that the window type ratio (height/width) be kept at 1.5:1. If it exceeds the usage specifications, the sample shall prevail according to the agreement between both parties.
  - 3 The maximum load capacity of the hinge is 80kg;
  - 4 Multi sides multi points lock configuration need to add hardware accessories such as ZJ320 small corner reducer, ZLP125 lock block, and ZGB10G side drive rod, as shown in the catalog P86-P94;
  - 5 The configuration of the internal screen window can be found in the P12 "Internal Screen Window Accessories Table" in the brochure; The configuration of the external screen window can be found in the P14 "External Screen Window Accessories Table".
  - 6 Please refer to the "CIFIAL Hardware instructions" on the front page of the catalogue contents for the requirements for using hardware.
- Remarks:
- The style of the handle is optional, please refer to P34-P43;
- This product is an optional accessory, and it is recommended to use it with a limiter to achieve the best usage effect. The specific specifications are selected according to the window type. For specific details, please refer to P92.

ZND200S

TURN AND TILE WINDOW HARDWARE SYSTEM(180° opening)



ZND200S Concealed horizontal pivoting window hardware system(180° opening)

ACCESSORIES LIST

| Item | Name of accessories       | Code     | Quantity | Remark                                                               |
|------|---------------------------|----------|----------|----------------------------------------------------------------------|
| 1    | Square steel handle       | ZS10     | 1        | Optional handle appearance, mechanical sound and oxidation treatment |
| 2    | Transmitter               | ZDA212   | 1        | Center distance 12mm                                                 |
| 3    | Hidden Top Right Hinge    | ZHY658-R | 1        | Left and right 180° opening                                          |
| 4    | Hidden Bottom Right Hinge | ZHY668-R | 1        | Left and right 180° opening                                          |
| 5    | Anti error corner device  | ZJ110T   | 1        | Anti theft lock point                                                |
| 6    | Latch                     | ZCX10A   | 1        |                                                                      |
| 7    | Lock block                | ZLP126-R | 1        | Left and right anti theft lock block                                 |
| 8    | Lock block                | ZFK10    | 1        |                                                                      |
| 9    | Support base              | ZLC15    | 1        |                                                                      |
| 10   | Support block             | ZLC11A   | 1        |                                                                      |
|      | Limiter                   | ZFX10-12 | 1        | Specification depends on window type, optional                       |

Recommended handle



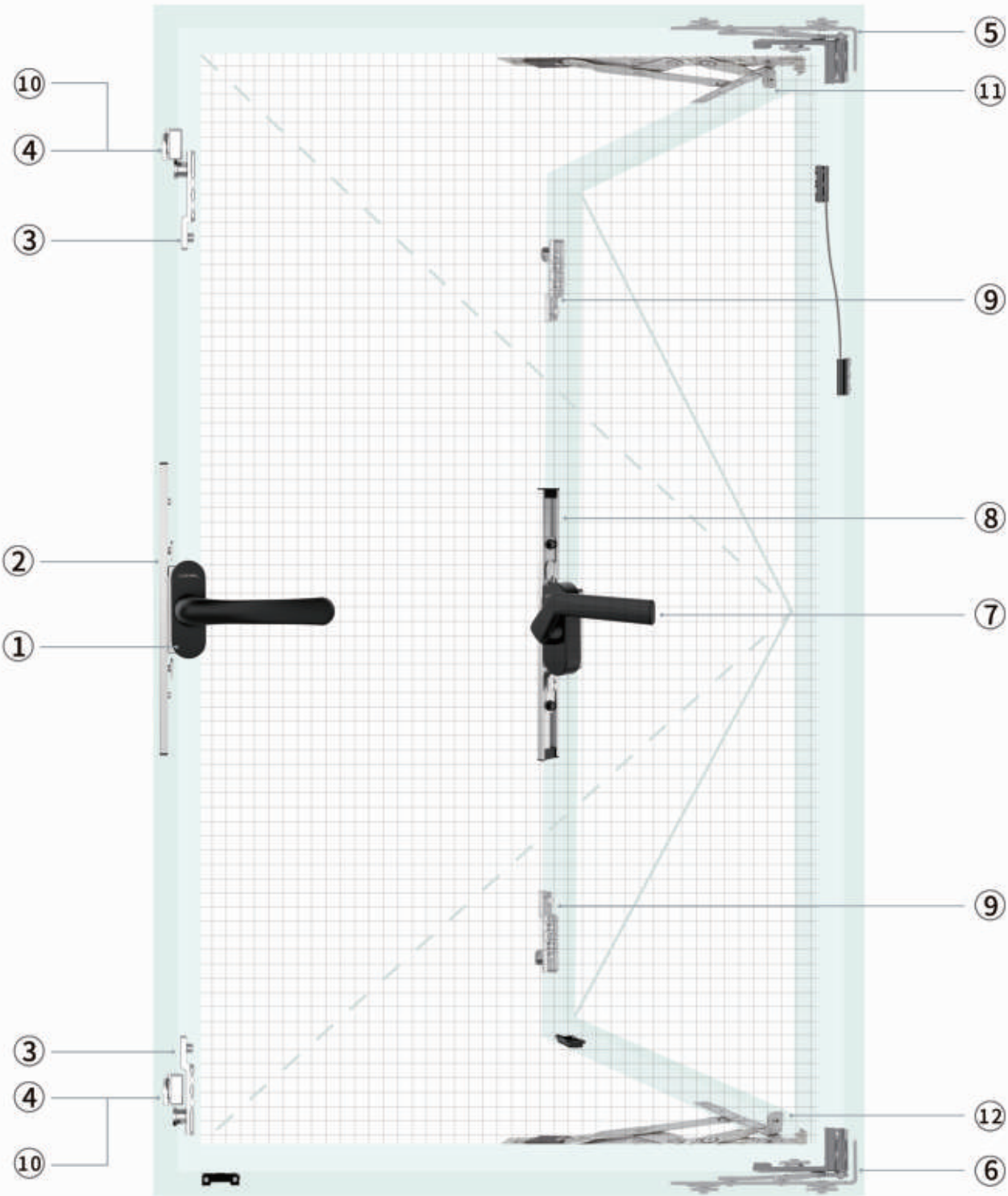
CONFIGURATION SPECIFICATION

- System specification
  - 1 This system is a security reinforced solution that uses reinforced anti-theft lock points to adapt to standard 20C slotted profiles. Please refer to the "Profile Node Diagram" on the catalogue contents page for the requirements for adapting profiles. As for the 23/27K groove profile adaptation, please contact technical personnel;
  - 2 The horizontal pivoting window can meet the window type with the width of 470-750mm and the height of 880-1500mm. It is recommended that the window type ratio (height/width) be kept at 1.5:1. If it exceeds the usage specifications, the sample shall prevail according to the agreement between both parties.
  - 3 The maximum load capacity of the hinge is 80kg;
  - 4 Multi sides multi points lock configuration need to add hardware accessories such as ZJ320 small corner reducer, ZLP125 lock block, and ZGB10G side drive rod, as shown in the catalog P86-P94;
  - 5 The configuration of the internal screen window can be found in the P12 "Internal Screen Window Accessories Table" in the brochure; The configuration of the external screen window can be found in the P14 "External Screen Window Accessories Table"
  - 6 Please refer to the "CIFIAL Hardware instructions" on the front page of the catalogue contents for the requirements for using hardware
- Remarks:
  - The style of the handle is optional, please refer to P34-P43;
  - This product is an optional accessory, and it is recommended to use it with a limiter to achieve the best usage effect. The specific specifications are selected according to the window type. For specific details, please refer to P92



ZWT60

INTEGRATED SCREEN WINDOW SYSTEM



ZWT60 WINDOW SCREEN INTEGRATED HARDWARE SYSTEM

OPEN-IN CASEMENT SCREEN WINDOW CONFIGURATION ACCESSORIES LIST

| Item                  | Name of accessories   | Code                               | Quantity | Remark                              |
|-----------------------|-----------------------|------------------------------------|----------|-------------------------------------|
| 1                     | Square steel handle   | ZS8036                             | 1        |                                     |
| 2                     | Transmitter           | ZDA110N                            | 1        | Center distance 11mm                |
| 3                     | Side transmission rod | ZGB15M                             | 2        | Anti theft lock point               |
| 4                     | Lock block            | ZLP120                             | 2        | Anti theft lock block               |
| 5                     | Screen hinge          | ZHY510-L                           | 1        | Left and right 90° opening optional |
| 6                     | Screen hinge          | ZHY510-R                           | 1        | Left and right 90° opening optional |
| Wire mesh accessories | wire mesh             | Apennine alloy invisible yarn mesh | 0.8 2.5  | Wire mesh products, optional        |

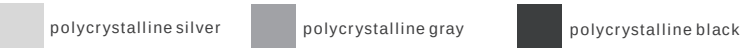
OPEN-OUT CASEMENT SCREEN WINDOW CONFIGURATION ACCESSORIES LIST

| Item | Name of accessories   | Code      | Quantity | Remark                  |
|------|-----------------------|-----------|----------|-------------------------|
| 7    | Square steel handle   | ZSW8036-R | 1        | Polycrystalline coating |
| 8    | Transmitter           | ZDA130    | 1        | Center distance 30mm    |
| 9    | Side transmission rod | ZGB15M    | 2        | Anti theft lock point   |
| 10   | Lock block            | ZLP120    | 2        | Anti theft lock block   |
| 11   | Hide hinge            | ZHJ13-L   | 1        | Left and right          |
| 12   | Hide hinge            | ZHJ13-R   | 1        | Left and right          |
|      | Support base          | ZLC10     | 1        | Options                 |
|      | Support block         | ZLC11A    | 1        | Options                 |
|      | Anti drop device      | ZFT12     | 1        | Options                 |

CONFIGURATION SPECIFICATION

- System specification
- 1 This system is compatible with standard 20C groove profiles. Please refer to the "Profile Node Diagram" on the catalogue contents page for the requirements for adapting profiles. As for the 23/27K groove profile adaptation, please contact technical personnel;
  - 2 The window type can meet the window type within the range of (leaf width x leaf height) 600x1200mm, It is recommended that the window type ratio (height/width) be kept at 1.5:1. If it exceeds the usage specifications, the sample shall prevail according to the agreement between both parties
  - 3 The maximum load-bearing capacity of the hinge is 60kg
  - 4 Please refer to the "Instructions for Using Cifial Hardware" on the front page of the catalogue contents for the requirements for using hardware

- Remarks:
- The surface treatment of the handle is polycrystalline coating, with optional colors of polycrystalline silver, polycrystalline gray, and polycrystalline black



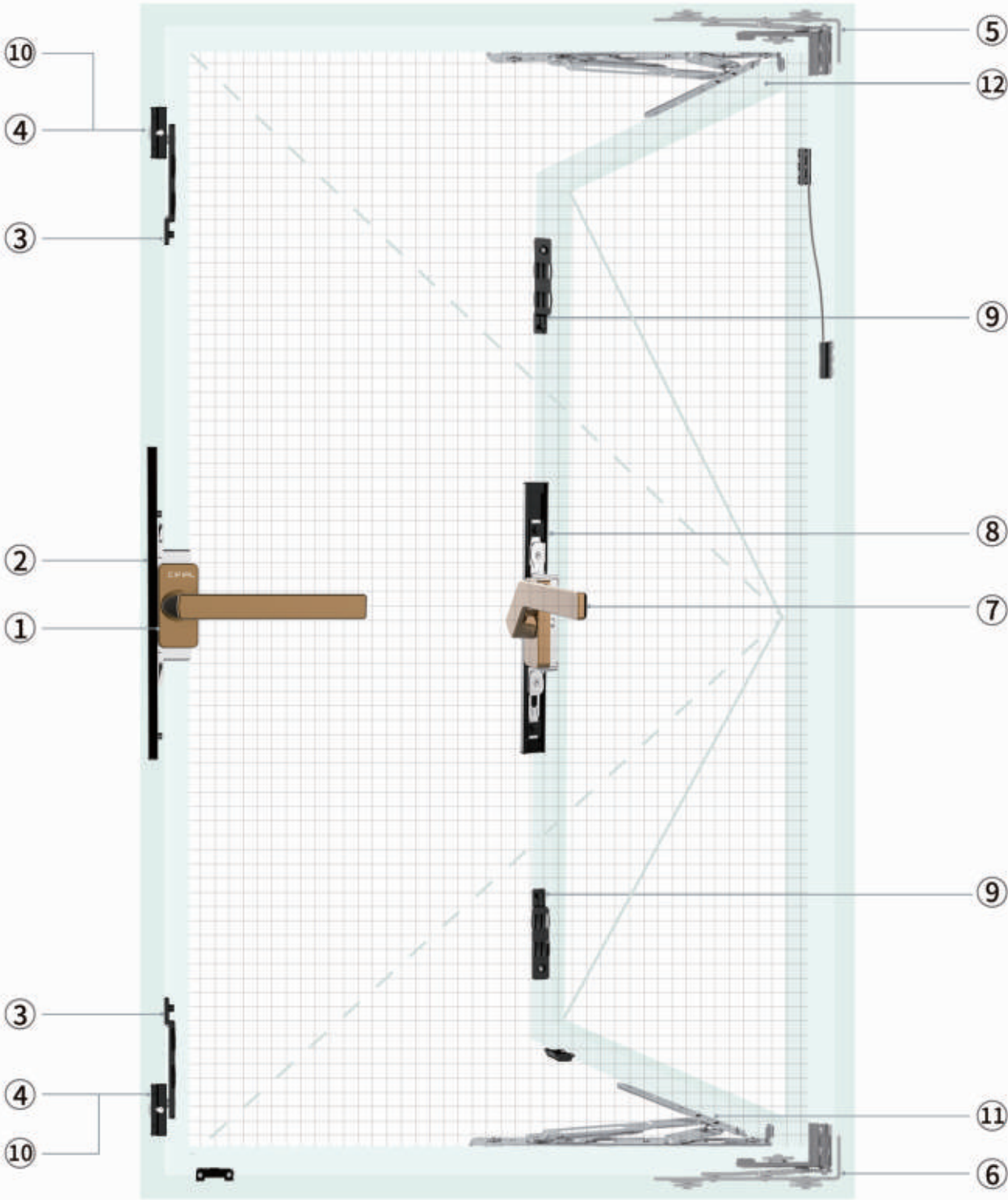
The surface treatment used for the product is galvanized

The screen window hinge can be optionally equipped with ZHY516-L/R, divided into left and right, with a 180° opening angle

This product is an optional accessory, and it is recommended to use it with to achieve the best usage effect. for specific details please refer to P92-P94

ZWT100

INTEGRATED SCREEN WINDOW SYSTEM



ZWT100 WINDOW SCREEN INTEGRATED HARDWARE SYSTEM

OPEN-IN CASEMENT SCREEN WINDOW CONFIGURATION ACCESSORIES LIST

| Item                  | Name of accessories   | Code                               | Quantity | Remark                                                               |
|-----------------------|-----------------------|------------------------------------|----------|----------------------------------------------------------------------|
| 1                     | Square steel handle   | ZS10                               | 1        | Optional handle appearance, mechanical sound and oxidation treatment |
| 2                     | Transmitter           | ZDA110T                            | 1        | Center distance is adjustable 11-16mm, optional                      |
| 3                     | Side transmission rod | ZGB10M                             | 2        | Anti theft lock point                                                |
| 4                     | Lock block            | ZLP110                             | 2        | Anti theft lock block                                                |
| 5                     | Screen hinge          | ZHY510-L                           | 1        | Left and right                                                       |
| 6                     | Screen hinge          | ZHY510-R                           | 1        | Left and right                                                       |
| Wire mesh accessories |                       |                                    |          |                                                                      |
|                       | wire mesh             | Apennine alloy invisible yarn mesh | 0.8 2.5  | Wire mesh products, optional                                         |

OPEN-OUT CASEMENT SCREEN WINDOW CONFIGURATION

| Item | Name of accessories   | Code    | Quantity | Remark                                                               |
|------|-----------------------|---------|----------|----------------------------------------------------------------------|
| 7    | Square steel handle   | ZSW10-R | 1        | Optional handle appearance, mechanical sound and oxidation treatment |
| 8    | Transmitter           | ZDA120T | 1        | Center distance is adjustable 25-32mm, optional                      |
| 9    | Side transmission rod | ZGB10M  | 2        | Anti theft lock point                                                |
| 10   | Lock block            | ZLP110  | 2        | Anti theft lock block                                                |
| 11   | Hide hinge            | ZHJ10-R | 1        | Left and right                                                       |
| 12   | Hide hinge            | ZHJ10-L | 1        | Left and right                                                       |
|      | Support base          | ZLC10   | 1        | Options                                                              |
|      | Support block         | ZLC11A  | 1        | Options                                                              |
|      | Anti drop device      | ZFT12   | 1        | Options                                                              |

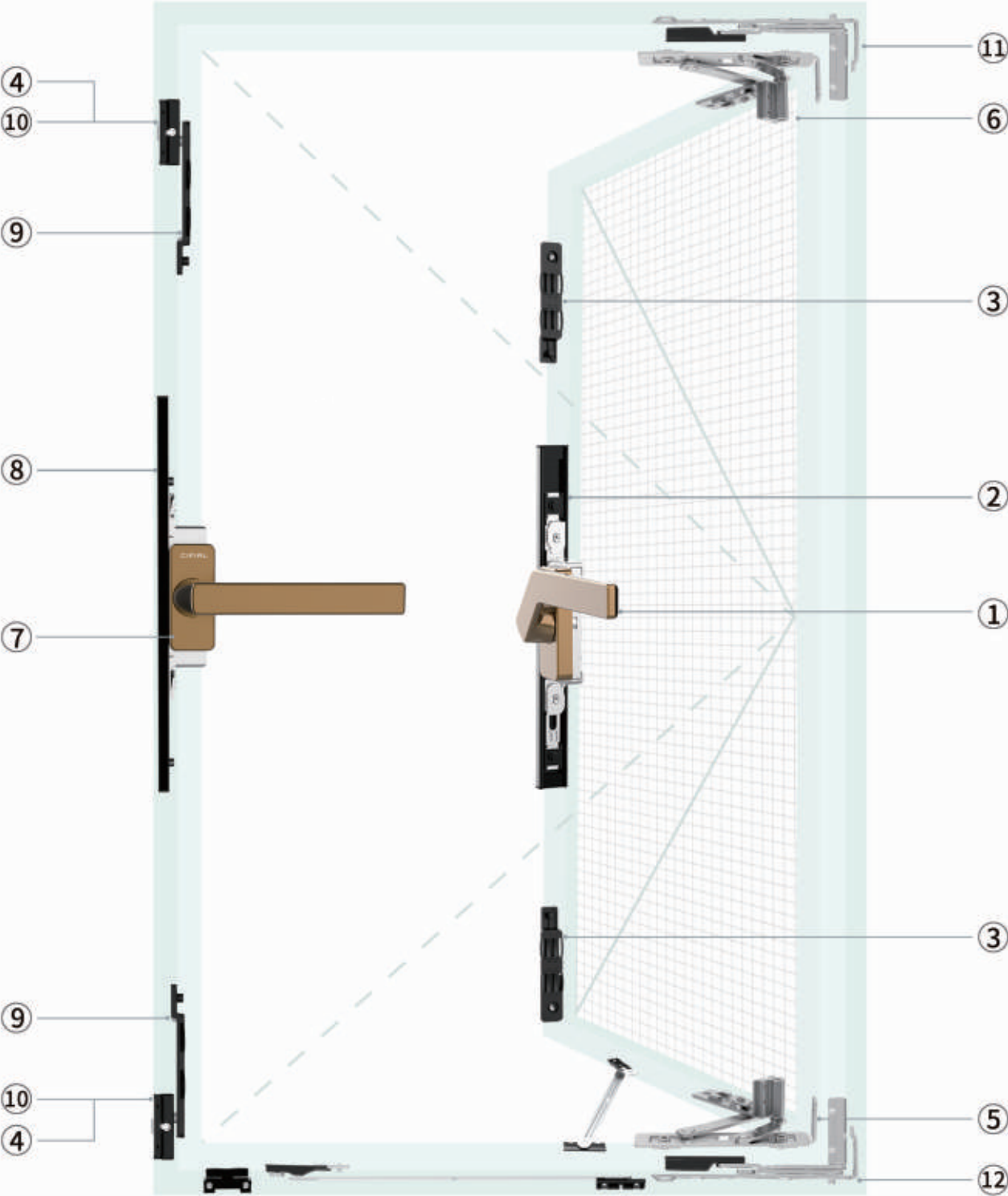
CONFIGURATION SPECIFICATION

- System specification
  - 1 This system is compatible with standard 20C groove profiles. Please refer to the "Profile Node Diagram" on the catalogue contents page for the requirements for adapting profiles. As for the 23/27K groove profile adaptation, please contact technical personnel;
  - 2 The window type can meet the window type within the range of (leaf width x leaf height) 600 x 1200mm, It is recommended that the window type ratio (height/width) be kept at 1.5:1. If it exceeds the usage specifications, the sample shall prevail according to the agreement between both parties
  - 3 The maximum load-bearing capacity of the hinge is 60kg
  - 4 Please refer to the "Instructions for Using Cifial Hardware" on the front page of the catalogue contents for the requirements for using hardware
- Remarks:
  - The style of the handle is optional, please refer to P34-P43;
  - The transmission is an adjustable center distance transmission, which can be equipped with a basic model. Please refer to P64-P66 for product selection
  - The screen window hinge can be optionally equipped with ZHY516-L/R, divided into left and right, with a 180 ° opening angle
  - Low damping hinges, windows should be closed in a timely manner when wind loads are ≥ 4 levels to prevent accidents;
  - This product is an optional accessory, and it is recommended to use it with to achieve the best usage effect. for specific details please refer to P92-P94



ZNT100

INTEGRATED SCREEN WINDOW SYSTEM



ZNT100 WINDOW SCREEN INTEGRATED HARDWARE SYSTEM

OPEN-OUT CASEMENT SCREEN WINDOW CONFIGURATION ACCESSORIES LIST

| Item                  | Name of accessories   | Code                               | Quantity | Remark                                                               |
|-----------------------|-----------------------|------------------------------------|----------|----------------------------------------------------------------------|
| 1                     | Square steel handle   | ZSW10-R                            | 1        | Optional handle appearance, mechanical sound and oxidation treatment |
| 2                     | Transmitter           | ZDA110T                            | 1        | Center distance is adjustable 11-16mm, optional                      |
| 3                     | Side transmission rod | ZGB10M                             | 2        | Anti theft lock point                                                |
| 4                     | Lock block            | ZLP110                             | 2        | Anti theft lock block                                                |
| 5                     | Screen hinge          | ZHY510-L                           | 1        | Left and right                                                       |
| 6                     | Screen hinge          | ZHY510-R                           | 1        | Left and right                                                       |
|                       | Limiter               | ZFX10                              | 1        | Specification depends on window type, optional                       |
| Wire mesh accessories | wire mesh             | Apennine alloy invisible yarn mesh | 0.8 2.5  | Wire mesh products, optional                                         |

OPEN-IN CASEMENT SCREEN WINDOW CONFIGURATION ACCESSORIES LIST

| Item | Name of accessories   | Code      | Quantity | Remark                                                               |
|------|-----------------------|-----------|----------|----------------------------------------------------------------------|
| 7    | Square steel handle   | ZS10      | 1        | Optional handle appearance, mechanical sound and oxidation treatment |
| 8    | Transmitter           | ZDA120T   | 1        | Center distance is adjustable 11-16mm, optional                      |
| 9    | Side transmission rod | ZGB10M    | 2        | Anti theft lock point                                                |
| 10   | Lock block            | ZLP110    | 2        | Anti theft lock block                                                |
| 11   | Screen hinge          | ZHY621A-L | 1        | It can be divided into left and right parts, and can bear 60KG       |
| 12   | Screen hinge          | ZHY621A-R | 1        | It can be divided into left and right parts, and can bear 60KG       |
|      | Support base          | ZLC10     | 1        | Options                                                              |
|      | Support block         | ZLC11A    | 1        | Options                                                              |
|      | Limiter               | ZFX10     | 1        | Specification depends on window type, optional                       |

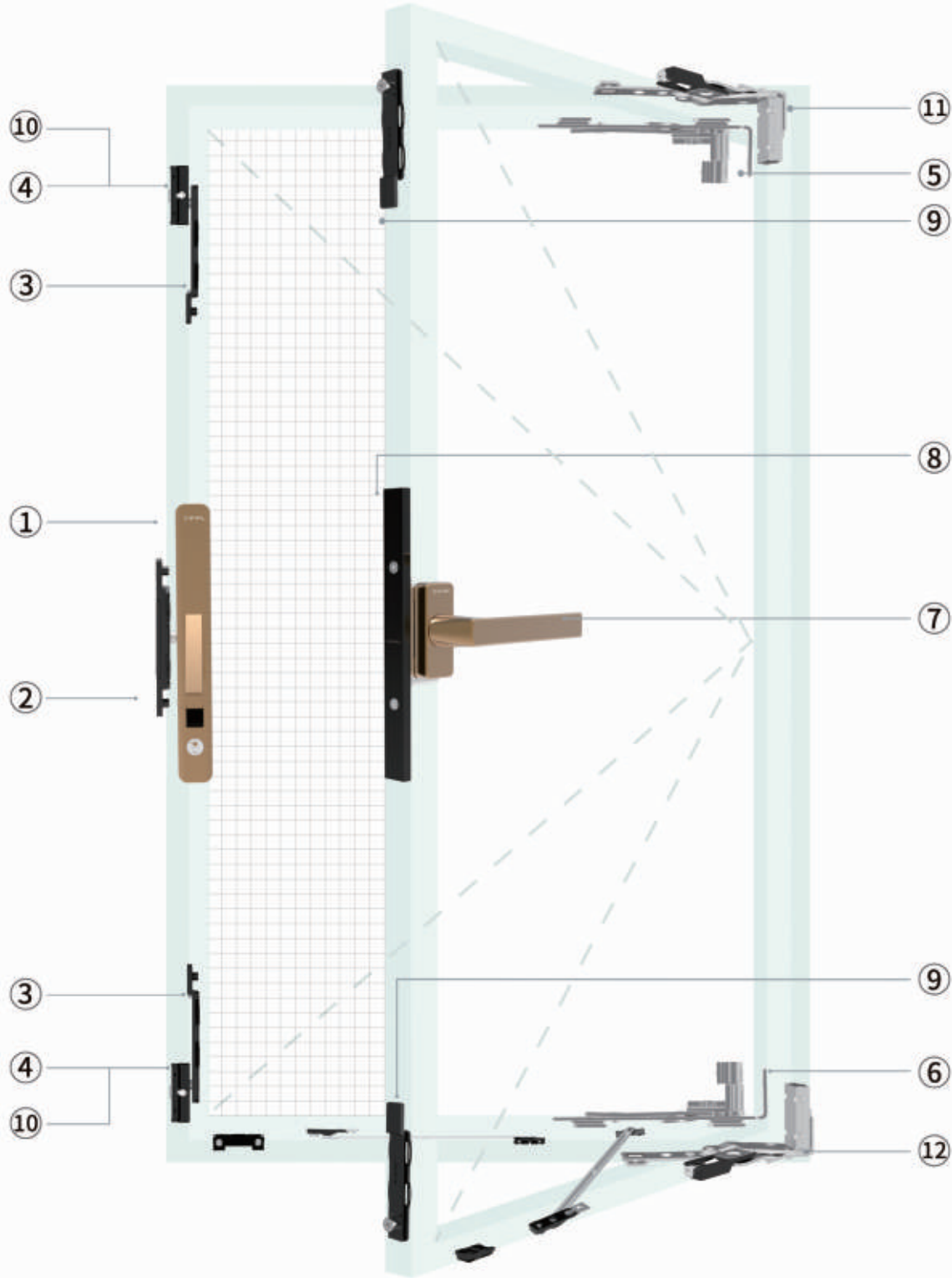
CONFIGURATION SPECIFICATION

- System specification
- 1 This system is compatible with standard 20C groove profiles. Please refer to the "Profile Node Diagram" on the catalogue contents page for the requirements for adapting profiles. As for the 23/27K groove profile adaptation, please contact technical personnel;
  - 2 The window type can meet the window type within the range of (leaf width x leaf height) 750 x 1200mm. It is recommended that the window type ratio (height/width) be kept at 1.5:1. If it exceeds the usage specifications, the sample shall prevail according to the agreement between both parties
  - 3 The maximum load-bearing capacity of the hinge is 60kg. The maximum load-bearing capacity of the yarn fan hinge is 10kg
  - 4 Please refer to the "Instructions for Using Cifial Hardware" on the front page of the catalogue contents for the requirements for using hardware
- Remarks:
- The style of the handle is optional, please refer to P34-P43;
  - The transmission is an adjustable center distance transmission, which can be equipped with a basic model. Please refer to P64-P66 for product selection
  - This product is an optional accessory, and it is recommended to use it with to achieve the best usage effect. for specific details please refer to P92-P94.



ZNT200

INTEGRATED SCREEN WINDOW SYSTEM



ZNT200 WINDOW SCREEN INTEGRATED HARDWARE SYSTEM

OPEN-IN CASEMENT SCREEN WINDOW CONFIGURATION ACCESSORIES LIST

| Item                  | Name of accessories   | Code                               | Quantity | Remark                       |
|-----------------------|-----------------------|------------------------------------|----------|------------------------------|
| 1                     | Concealed spring lock | ZSQ20SY                            | 1        | Oxidation, optional          |
| 2                     | Main transmission rod | ZGZ10                              | 1        |                              |
| 3                     | Side transmission rod | ZGB10M                             | 2        | Anti theft lock point        |
| 4                     | Lock block            | ZLP110                             | 2        | Anti theft lock block        |
| 5                     | Screen hinge          | ZHY512-L                           | 1        |                              |
| 6                     | Screen hinge          | ZHY512-R                           | 1        |                              |
| Wire mesh accessories | wire mesh             | Apennine alloy invisible yarn mesh | 0.8 2.5  | Wire mesh products, optional |

OPEN-IN CASEMENT SCREEN WINDOW CONFIGURATION ACCESSORIES LIST

| Item | Name of accessories   | Code      | Quantity | Remark                                                               |
|------|-----------------------|-----------|----------|----------------------------------------------------------------------|
| 7    | Square steel handle   | ZS10      | 1        | Optional handle appearance, mechanical sound and oxidation treatment |
| 8    | Transmitter           | ZDB130    | 1        |                                                                      |
| 9    | Side transmission rod | ZGB10M    | 2        | Anti theft lock point                                                |
| 10   | Lock block            | ZLP110    | 2        | Anti theft lock block                                                |
| 11   | Screen hinge          | ZHY621A-L | 1        | Left and right                                                       |
| 12   | Screen hinge          | ZHY621A-R | 1        | Left and right                                                       |
|      | Support base          | ZLC10     | 1        | Options                                                              |
|      | Support block         | ZLC11A    | 1        | Options                                                              |
|      | Limiter               | ZFX10     | 1        | Specification depends on window type, optional                       |

CONFIGURATION SPECIFICATION

● System specification

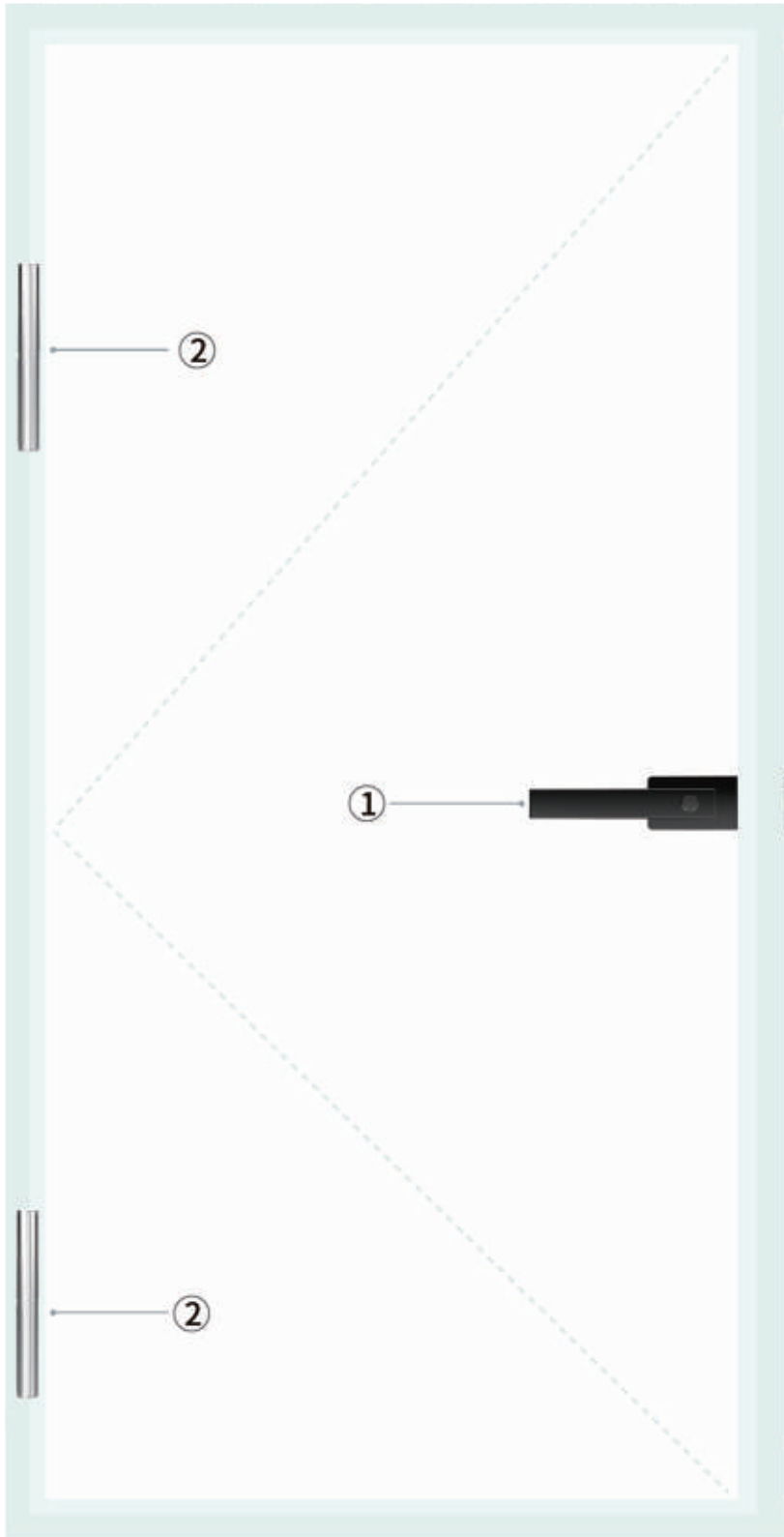
- 1 This system is compatible with standard 20C groove profiles. Please refer to the "Profile Node Diagram" on the catalogue contents page for the requirements for adapting profiles. As for the 23/27K groove profile adaptation, please contact technical personnel;
- 2 The window type can meet the window type within the range of (leaf width x leaf height) 750 x 1200mm, It is recommended that the window type ratio (height/width) be kept at 1.5:1. If it exceeds the usage specifications, the sample shall prevail according to the agreement between both parties
- 3 The maximum load-bearing capacity of the hinge is 60kg, The maximum load-bearing capacity of the yarn fan hinge is 10kg
- 4 Please refer to the "Instructions for Using Cifial Hardware" on the front page of the catalogue contents for the requirements for using hardware

● Remarks:

- The style of the handle is optional, please refer to P34-P43;
- The transmission is an adjustable center distance transmission, which can be equipped with a basic model. Please refer to P64-P66 for product selection
- This product is an optional accessory, and it is recommended to use it with to achieve the best usage effect. for specific details please refer to P92-P94.

ZBM100

HARDWARE SYSTEM OF NARROW SIDE HUNG DOOR



ZBM100 Narrow side swing door hardware system

ACCESSORIES LIST

| Item | Name of accessories | Code   | Quantity | Remark  |
|------|---------------------|--------|----------|---------|
| 1    | Door handle         | ZSQ210 | 1        |         |
| 2    | Hinge               | ZHQ110 | 2        | Options |

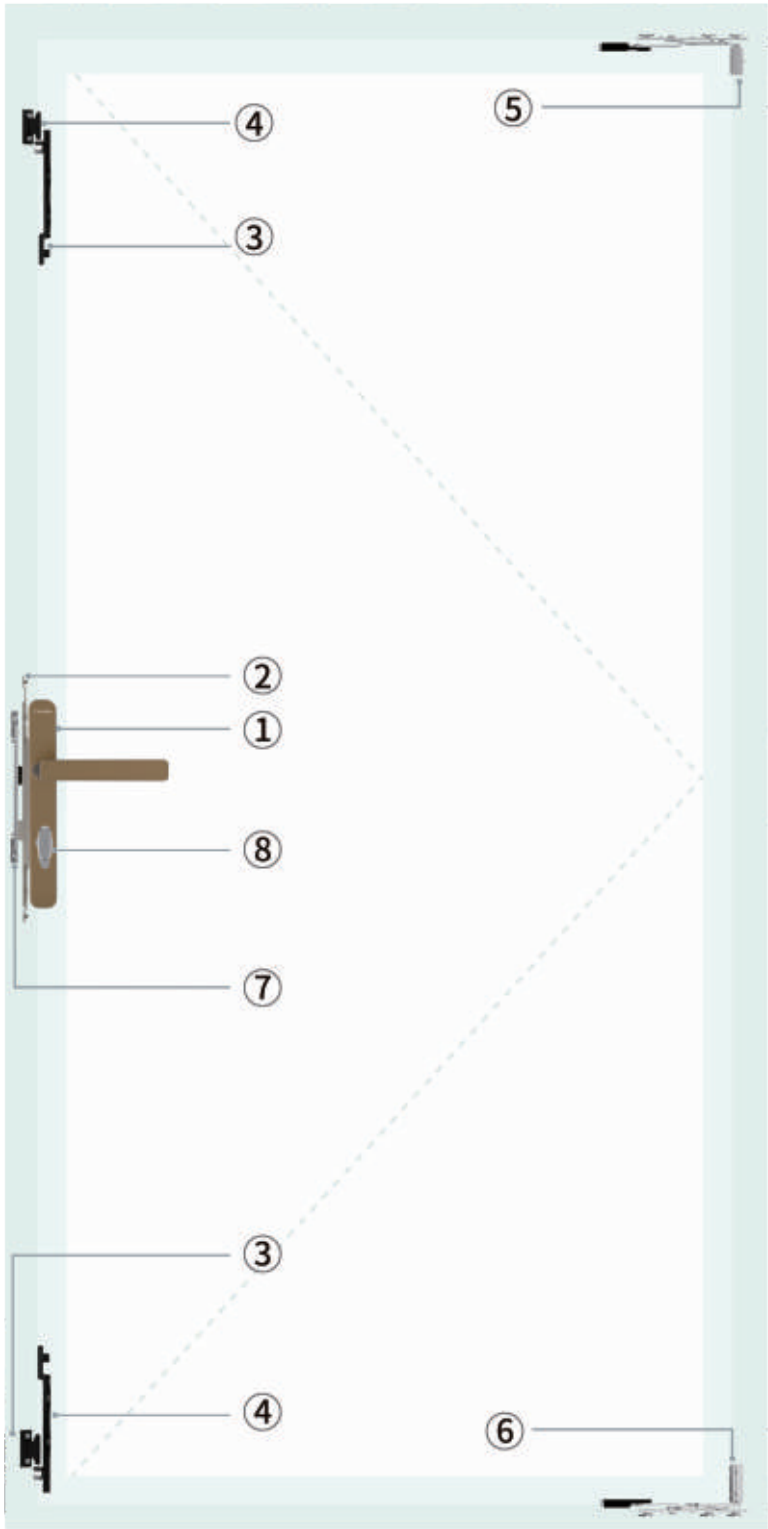
CONFIGURATION SPECIFICATION

- System specification
  - 1 The maximum load-bearing capacity of the hinge is 40kg;
  - 2 Please refer to the "Instructions for Using Cifial Hardware" on the front page of the catalogue contents for the requirements for using hardware
- Remarks:
  - The product can be selected according to specific circumstances, with ZSQ210 for single glass use and ZSQ211 for hollow glass.



ZPM100

SIDE HUNG DOOR INTEGRATED HARDWARE SYSTEM



ZPM100 Side hung door integrated hardware system

ACCESSORIES LIST

| Item | Name of accessories   | Code      | Quantity | Remark                                     |
|------|-----------------------|-----------|----------|--------------------------------------------|
| 1    | Door handle           | ZSM10     | 1        |                                            |
| 2    | Door lock             | ZMS3292/I | 1        | Center distance 32mm                       |
| 3    | Side transmission rod | ZGB10G    | 2        |                                            |
| 4    | Lock block            | ZLP111    | 2        |                                            |
| 5    | Concealed door hinge  | ZHY622-SR | 1        | More Optional ZH262-R                      |
| 6    | Concealed door hinge  | ZHY622-XR | 1        | More Optional ZH262-R                      |
| 7    | Cover plate           | ZMK12     | 1        |                                            |
| 8    | Lock cylinder         | ZMX3737/T | 1        | Specification depends on profile thickness |

RECOMMENDED HANDLE



ZSM10



ZSM30



ZSM22



...more  
P45-P48

CONFIGURATION SPECIFICATION

● System specification

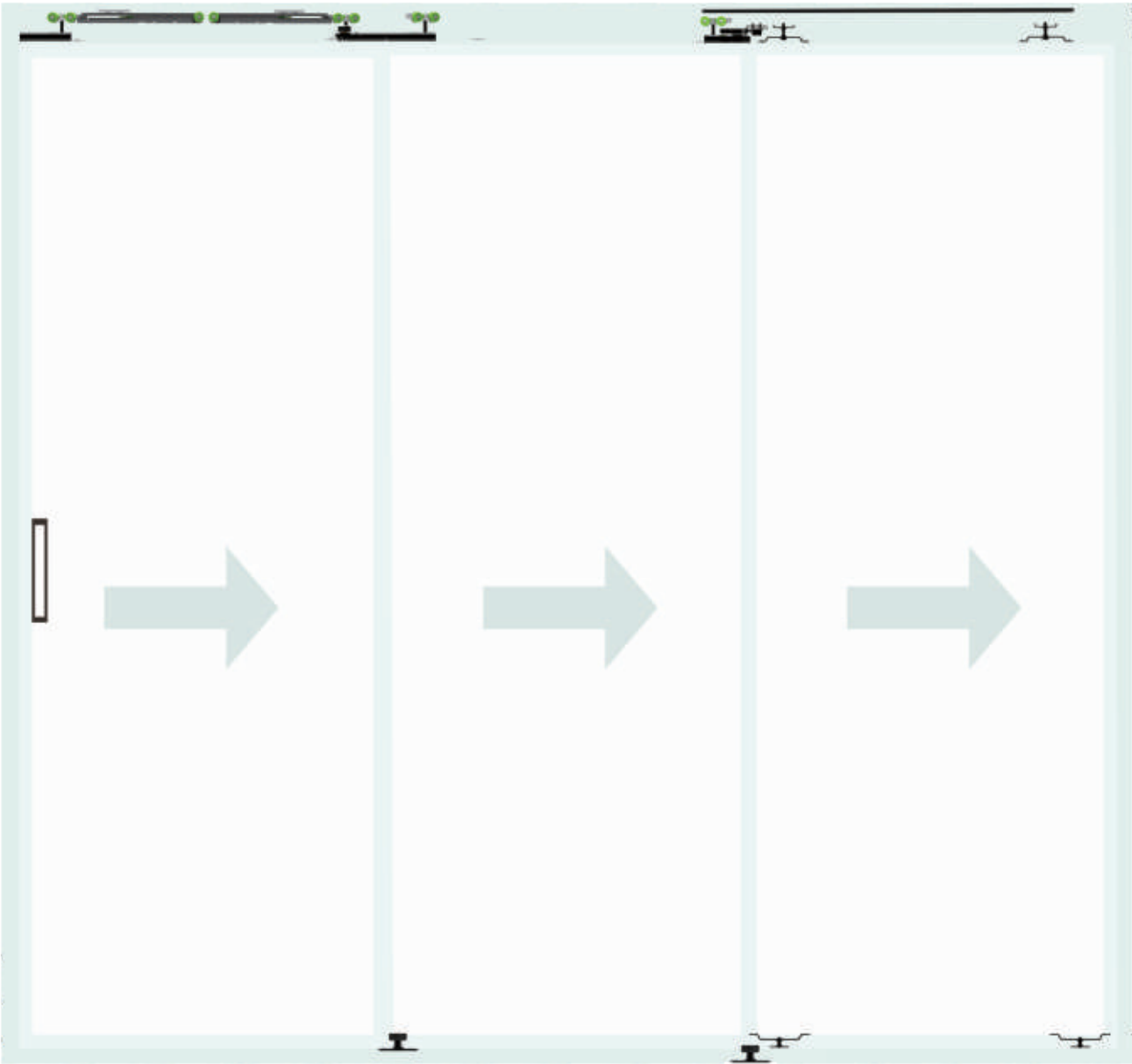
- 1 The window type can meet the window type within the range of (leaf width x leaf height) 900 x 2300mm,It is recommended that the window type ratio (height/width) be kept at 1.5:1 If it exceeds the usage specifications, the sample shall prevail according to the agreement between both parties
- 2 The maximum load-bearing capacity of the hinge is 120kg;
- 3 Please refer to the "Instructions for Using Cifial Hardware" on the front page of the catalogue contents for the requirements or using hardware

● Remarks:

The style of the handle is optional, please refer to P45-P48  
This product is a hidden hinge and can be equipped with ZH262-L/R surface mounted hinges. Please refer to P54-P62 for details on the optional configuration.

ZDT100 SERIES

HARDWARE SYSTEM OF EXTREMELY NARROW SLIDING DOOR



ZDT100 HARDWARE SYSTEM OF EXTREMELY NARROW SLIDING DOOR

ACCESSORIES LIST

Buffer hoisting system

| Item | Name of accessories                                                    | Code   | Product pictures (the quantity is subject to the drawing) |
|------|------------------------------------------------------------------------|--------|-----------------------------------------------------------|
| 1    | C-type quick release two-way buffer lifting wheel system (recommended) | ZDTK10 |                                                           |
| 2    | General one-way buffering system                                       | ZDTC10 |                                                           |
| 3    | General bi-directional buffering system                                | ZDTC20 |                                                           |

Linkage buffer hoisting system

| Item | Name of accessories                                  | Code   | Product pictures (the quantity is subject to the drawing) |
|------|------------------------------------------------------|--------|-----------------------------------------------------------|
| 1    | 2+0 type synchronous double leaf linkage accessories | ZDTL20 |                                                           |
| 2    | 2+1 type synchronous double leaf linkage accessories | ZDTL21 |                                                           |
| 3    | 3+0 type synchronous double leaf linkage accessories | ZDTL30 |                                                           |
| 4    | 3+1 type synchronous double leaf linkage accessories | ZDTL31 |                                                           |
| 5    | 2+2type synchronous double leaf linkage accessories  | ZDTL22 |                                                           |

Handle

|   |        |        |  |
|---|--------|--------|--|
| 1 | Handle | ZDTS10 |  |
|---|--------|--------|--|

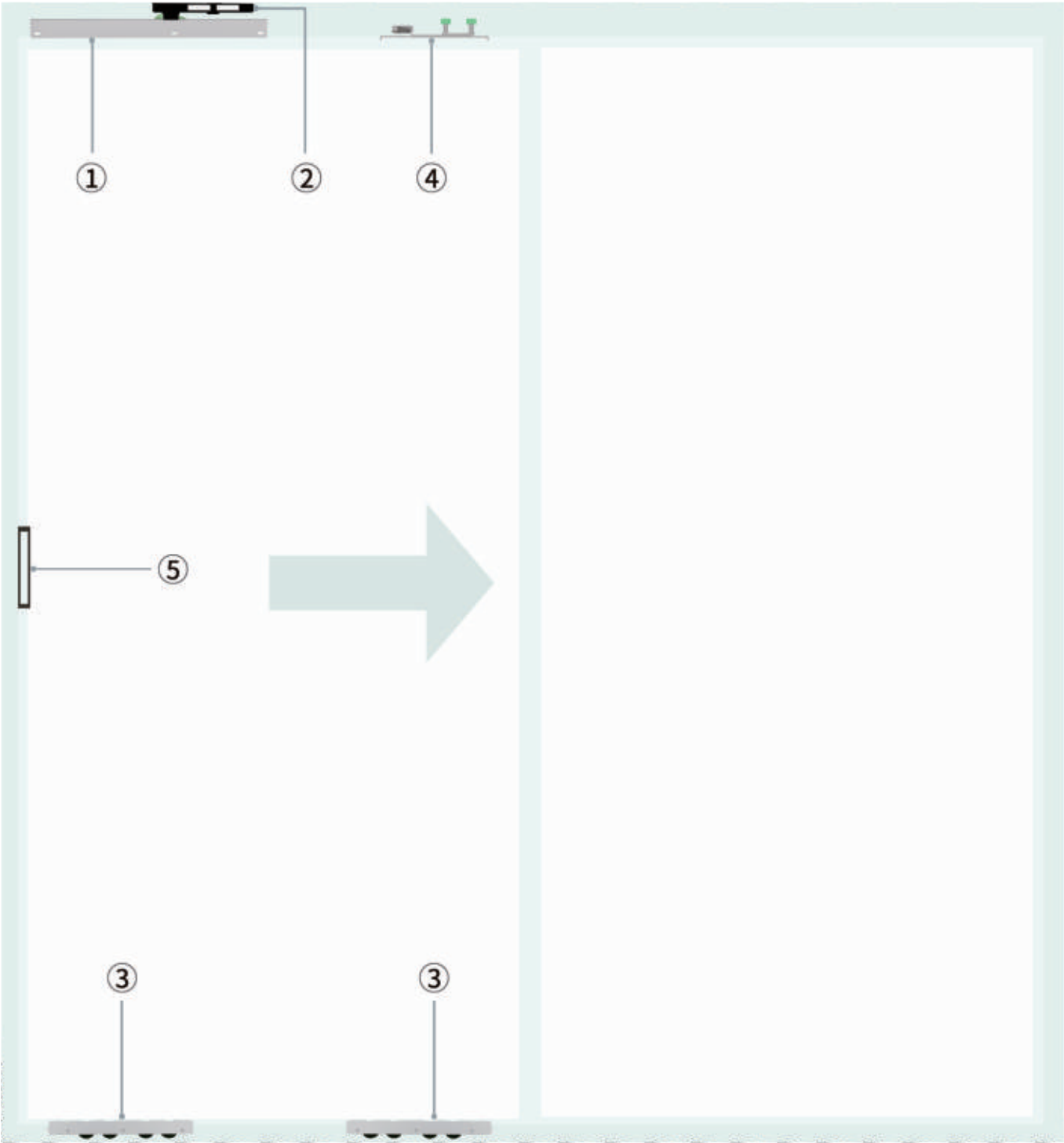
CONFIGURATION SPECIFICATION

● System specification

- 1 The buffer hoisting system applicable door thickness is  $\geq 30\text{mm}$ , the applicable door width is  $\geq 610\text{mm}$ , and the height adjustment is  $\pm 2.5\text{mm}$ ;  
The linkage buffer system applicable door thickness is  $\geq 30\text{mm}$ , the applicable door width is  $\geq 770\text{mm}$ , and the height adjustment is  $\pm 2.5\text{mm}$ ;
- 2 The optimum load of the buffer hoisting system is 50-80kg The optimal load of the linkage buffer system is 60kg - 80kg;
- 3 Please refer to the "Instructions for Using Cifial Hardware" on the front page of the catalogue contents for the requirements for using hardware
- 4 Buffer hoisting system takes one sash as a set, and each sash is equipped with sliding configuration. It is recommended to equip two handles;  
Linkage buffer configuration includes: 1 set of functional parts (functions are selected according to requirements); It is recommended to equip 2 handles (according to the number of door leaves).

ZDT200 SERIES

HARDWARE SYSTEM OF NARROW SIDE HUNG DOOR



ACCESSORIES LIST

Functional parts

| Item | Name of accessories | Code     | Product pictures                                                                     |
|------|---------------------|----------|--------------------------------------------------------------------------------------|
| 1    | Buffer              | ZDT10-01 |   |
| 2    | Buffered flip-flop  | ZDT10-02 |   |
| 3    | Pulley              | ZDT10-03 |   |
| 4    | Guide pulley        | ZDT10-04 |  |

Appearance parts

| Item | Name of accessories | Code   | Product pictures                                                                      |
|------|---------------------|--------|---------------------------------------------------------------------------------------|
| 5    | Handle              | ZDTS10 |  |

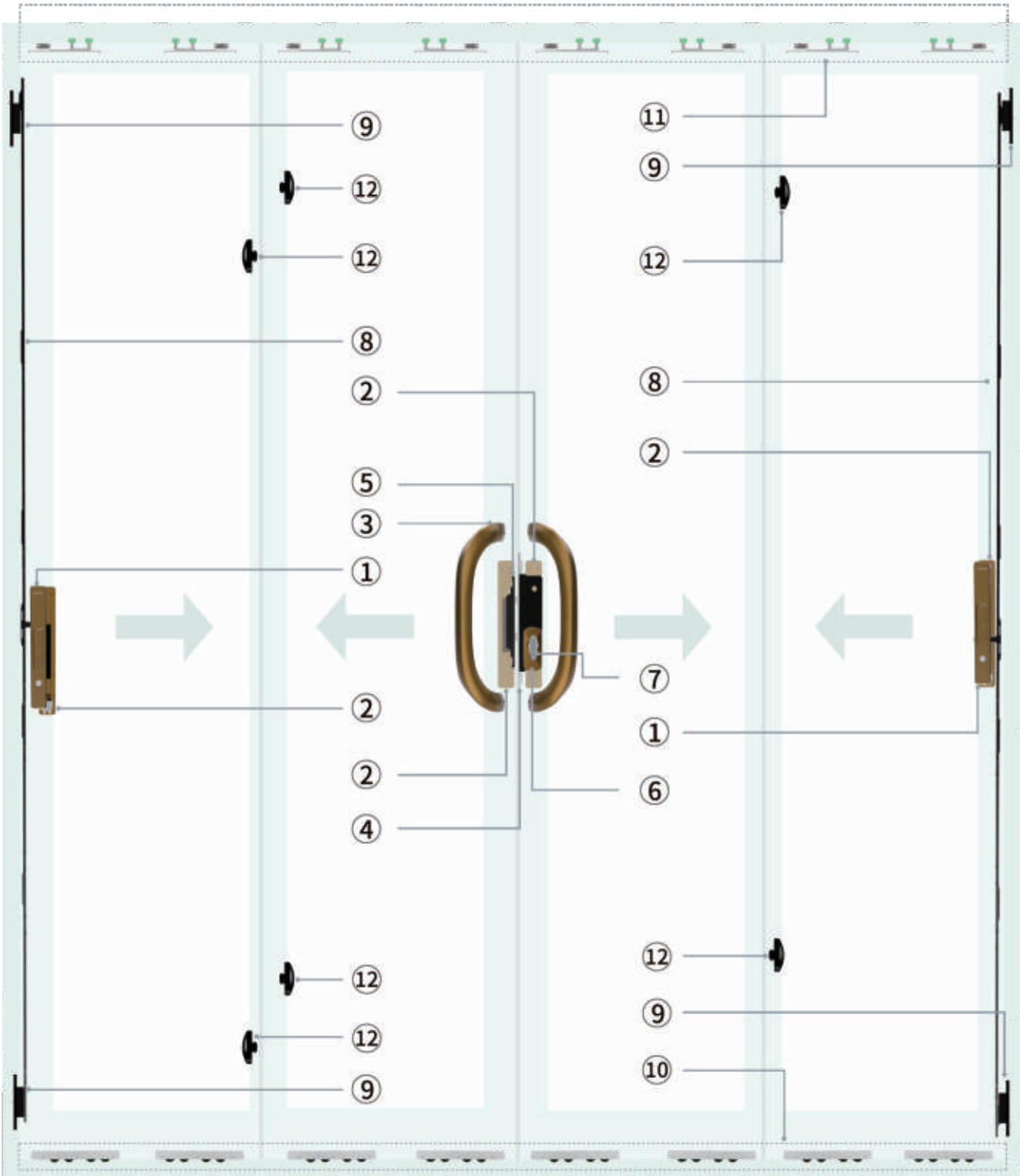
CONFIGURATION SPECIFICATION

- System specification
  - 1 The load capacity of the rollers is 80-100kg;
  - 2 Guide wheel adjustment range: 13-68mm
  - 3 Please refer to the "Instructions for Using Cifial Hardware" on the front page of the catalogue contents for the requirements for using hardware
  - 4 The complete configuration includes: 2 sets of functional parts, and 4 pieces of appearance parts are recommended.
- Remarks:
  - More pulley options can be found in P77-P82.



ZTM200

HEAVY DUTY SLIDING DOOR HARDWARE SYSTEM



ZTM200 HEAVY DUTY SLIDING DOOR HARDWARE SYSTEM

ACCESSORIES LIST

| Item | Name of accessories | Code        | Quantity | Remark                                            |
|------|---------------------|-------------|----------|---------------------------------------------------|
| 1    | Sliding lock        | ZTS210S     | 2        | Baking varnish, optional                          |
| 2    | Clasp               | ZTK10       | 4        | Baking varnish, optional                          |
| 3    | Handle              | ZTL11Y      | 2        | Oxidation, optional                               |
| 4    | Hook lock           | ZMSG2820/II | 1        |                                                   |
| 5    | Coverplate          | ZMK10       | 1        |                                                   |
| 6    | Lock cylinder box   | ZMH10Y      | 1        | Oxidation                                         |
| 7    | Lock cylinder       | ZMX3737/T   | 1        | Depending on the thickness of the profile         |
| 8    | Transmission rod    | ZGS10M-L    | 2        | The length specification depends on the door type |
| 9    | Latch               | ZLM214      | 4        | Other forms can be selected                       |
| 10   | Pulley              | ZRM410      | 8        | Depending on the profile                          |
| 11   | Guide pulley        | ZDL110      | 8        | Depending on the profile                          |
| 12   | Bumper block        | ZFZ11       | 6        |                                                   |

RECOMMENDED HANDLE

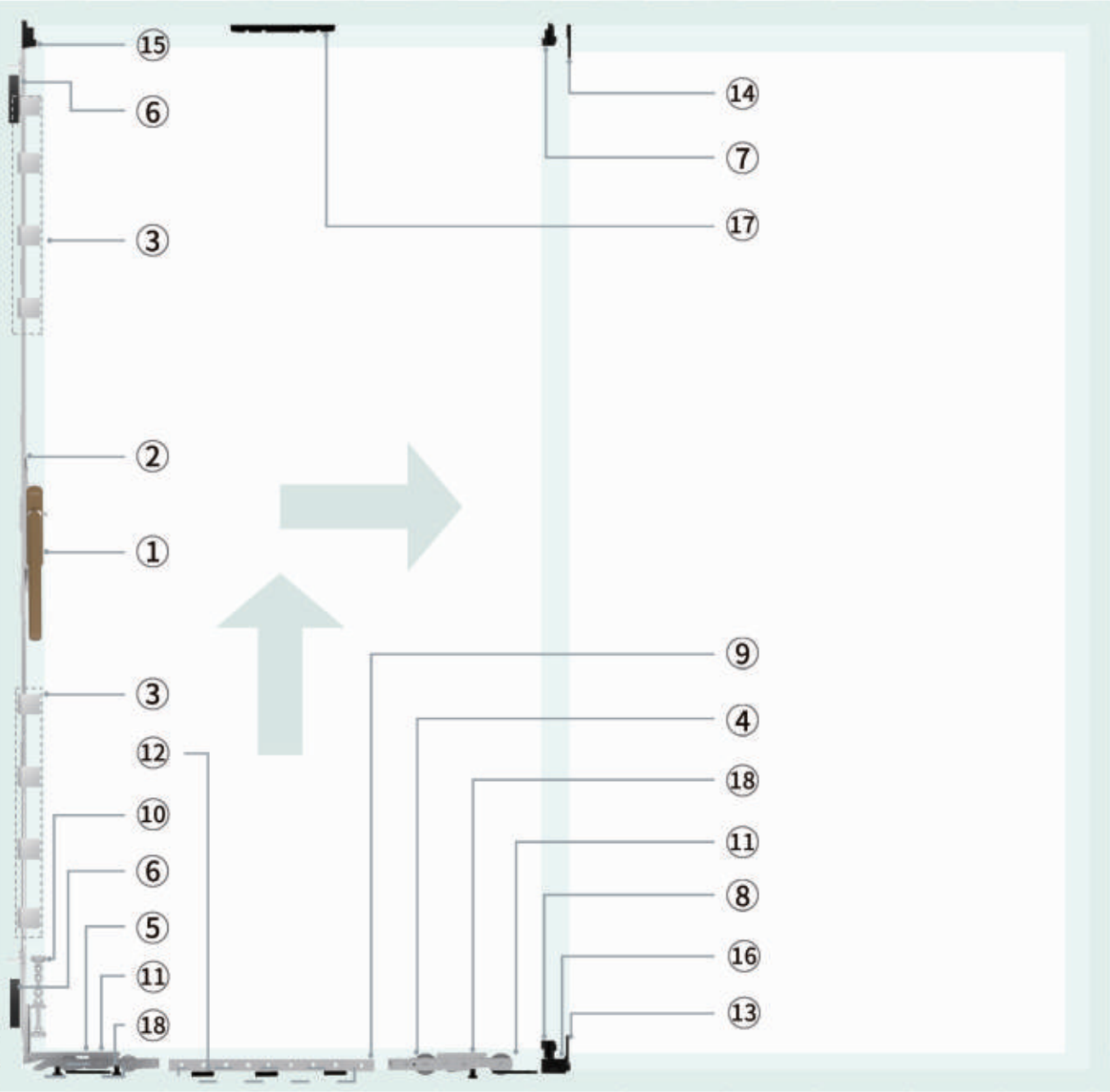


CONFIGURATION SPECIFICATION

- System specification
  - 1 The maximum load-bearing capacity of the pulley is 120kg, which is determined by the specifications of the pulley group
  - 2 Please refer to the "Instructions for Using Cifial Hardware" on the front page of the catalogue contents for the requirements for using hardware
- Remarks:
  - The appearance design of the handle and sliding lock can be optional, please refer to P72-P75.

ZTL100

LIFTING SLIDING DOOR HARDWARE SYSTEM



ZTL100      LIFTING SLIDING DOOR HARDWARE SYSTEM

ACCESSORIES LIST

| Item | Name of accessories     | Code          | Quantity | Remark                                     |
|------|-------------------------|---------------|----------|--------------------------------------------|
| 1    | Door handle             | ZST10         | 1        | Baking varnish, optional                   |
| 2    | Transmission lock       | ZTL100-01     | 1        | The t otal length can be customized        |
| 3    | Support block           | ZTL100-02     | 8        | Height c an be customized                  |
| 4    | Rear pulley             | ZTL100-03     | 1        |                                            |
| 5    | Front pulley            | ZTL100-04     | 1        |                                            |
| 6    | Latch                   | ZTL100-05     | 2        | Optional                                   |
| 7    | Left positioning block  | ZTL100-06L    | 1        | Left and right                             |
| 8    | Right positioning block | ZTL100-06R    | 1        | Left and right                             |
| 9    | Connecting rod          | ZTL100-07-400 | 1        | The specification depends on the door type |
| 10   | Support base            | ZTL100-08     | 1        | Height can be customized                   |
| 11   | Waterproof cover        | ZTL100-09     | 2        |                                            |
| 12   | Support block           | ZTL100-10     | 3        |                                            |
| 13   | Left cover plate        | ZTL100-11L    | 1        | Left and right                             |
| 14   | Upper cover plate       | ZTL100-12     | 1        |                                            |
| 15   | Right blocking end      | ZTL100-13R    | 1        | Left and right                             |
| 16   | Bumper block            | ZFZ13         | 1        |                                            |
| 17   | Anti-theft block        | ZFD20         | 1        |                                            |
| 18   | Plastic cushion block   | ZTL100-15     | 3        |                                            |

RECOMMENDED HANDLE

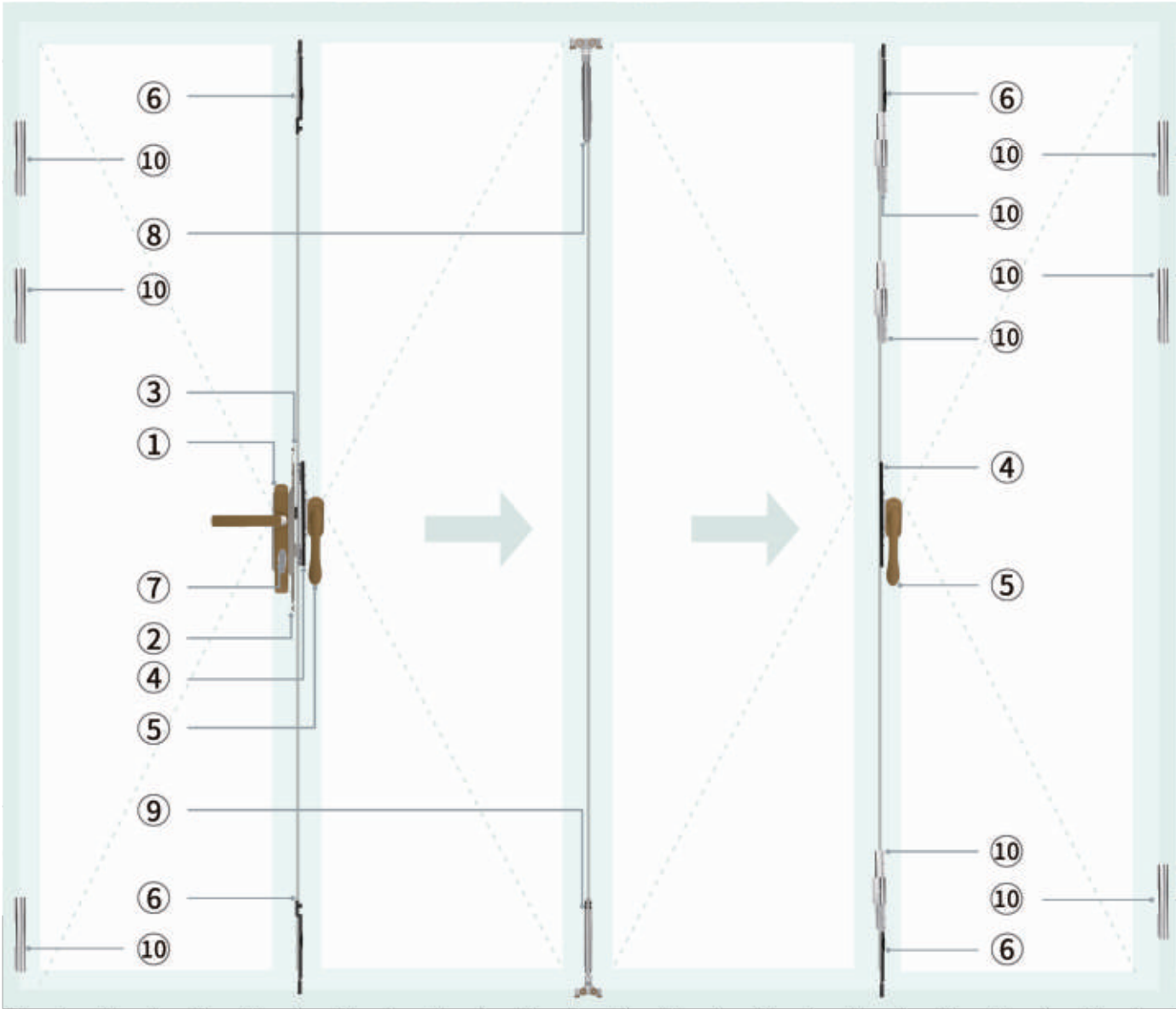


CONFIGURATION

- System specification
- 1 The door type can meet the requirements of (leaf width x leaf height) within the range of 3000mm x 2675mm, and the maximum opening can reach 2800mm;
  - 2 The maximum load-bearing capacity of the pulley is 300kg. Please contact the technical personnel for specific applications
  - 3 When the width of a single door is 1600-2000mm, please make a clear judgment based on the actual situation whether to add a middle pulley; It is recommended to use a middle pulley if it exceeds 2000mm;
  - 4 Please refer to the "Instructions for Using Cifial Hardware" on the front page of the catalogue contents for the requirements for using hardware
- Remarks:
- The handle style is optional, please refer to P49-P52.

ZTD100

SLIDING AND FOLDING DOOR HARDWARE SYSTEM

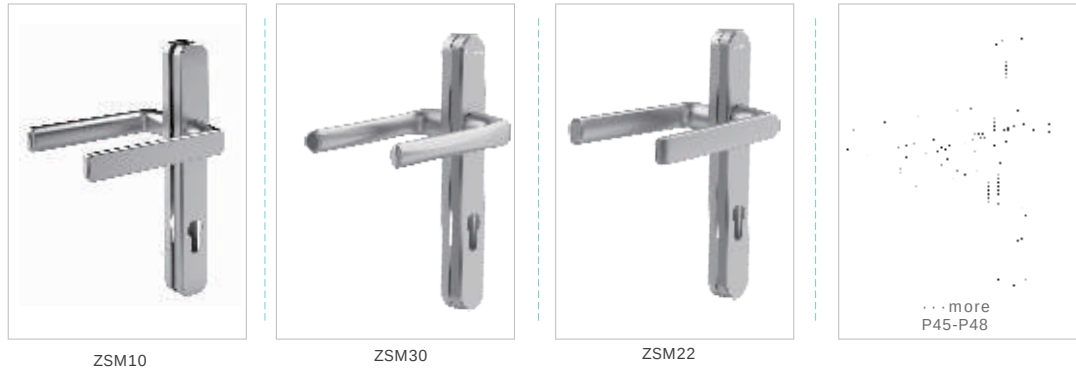


ZTD100 SLIDING AND FOLDING DOOR HARDWARE SYSTEM

ACCESSORIES LIST

| Item | Name of accessories | Code       | Quantity | Remark                                    |
|------|---------------------|------------|----------|-------------------------------------------|
| 1    | Door handle         | ZSM10      | 1        | Baking varnish, optional                  |
| 2    | Door lock           | ZMS3292/II | 1        | Center distance 32mm                      |
| 3    | Coverplate          | ZMK12      | 1        |                                           |
| 4    | Transmitter         | ZDB130     | 2        | Center distance 30mm                      |
| 5    | Handle              | ZSH20      | 2        | Baking varnish, optional                  |
| 6    | Latch bar           | ZCX12      | 4        |                                           |
| 7    | Lock cylinder       | ZMX4747/T  | 1        | Depending on the thickness of the profile |
| 8    | Upper hinge system  | ZTD100-01  | 1        | Baking varnish                            |
| 9    | Bottom hinge system | ZTD100-02  | 1        | Baking varnish                            |
| 10   | Side hinge          | ZTD100-05  | 9        | Baking varnish                            |

RECOMMENDED HANDLE



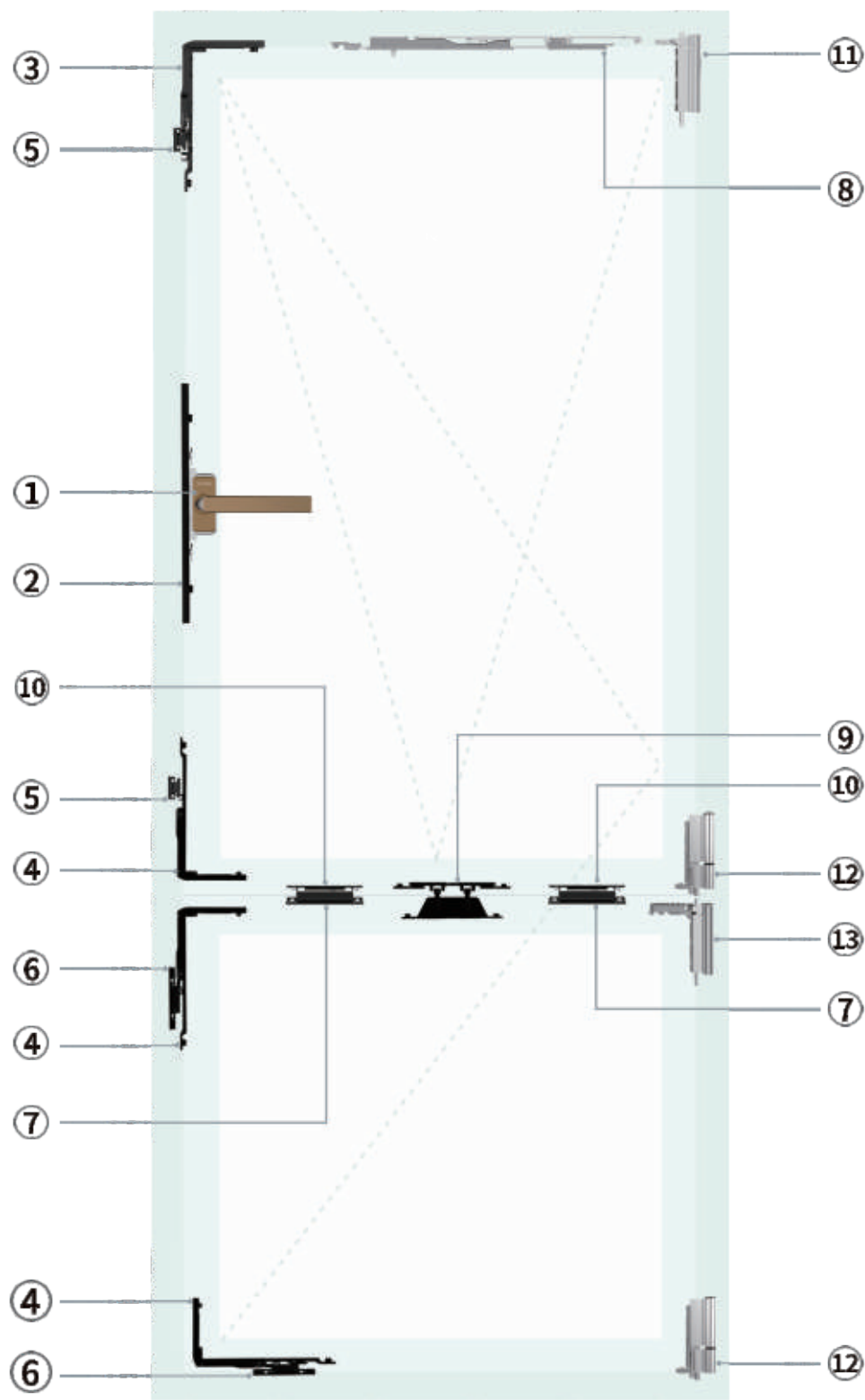
CONFIGURATION SPECIFICATION

- System specification
- 1 This system is suitable for door types with a width of 800mm and a height of 2400mm, within a range;
  - 2 The maximum load-bearing capacity of the hinge is 90kg, and the upper hinge system has self balancing ability;
  - 3 Please refer to the "Instructions for Using Cifial Hardware" on the front page of the catalogue contents for the requirements for using hardware
  - 4 Can meet odd numbered fan configurations, such as 431, 633etc. Please consult technical personnel for detailed configurations
- Remarks:
- The handle style is optional, please refer to P45-P48.



ZDM100

DOOR AND WINDOW INTEGRATED HARDWARE SYSTEM



ZDM100 Interior inverted window+casement door (Left and right)

ZDM100 Interior inverted window+casement door ACCESSORIES LIST

| Item | Name of accessories     | Code    | Quantity | Remark                                                               |
|------|-------------------------|---------|----------|----------------------------------------------------------------------|
| 1    | Square steel handle     | ZS10    | 1        | Optional handle appearance, mechanical sound and oxidation treatment |
| 2    | Transmitter             | ZDA215  | 1        | Optional                                                             |
| 3    | Corner device           | ZJ110   | 1        |                                                                      |
| 4    | Corner device           | ZJ210   | 3        |                                                                      |
| 5    | Lock block              | ZLP111  | 2        |                                                                      |
| 6    | Lock block              | ZLP114  | 2        |                                                                      |
| 7    | Lock block              | ZLP116  | 2        |                                                                      |
| 8    | Pull rod                | ZLG111  | 1        |                                                                      |
| 9    | Connecting linkage      | ZGZ22M  | 1        |                                                                      |
| 10   | Middle transmission rod | ZGZ21M  | 2        |                                                                      |
| 11   | Upper hinge             | ZH210-R | 1        | Left and right                                                       |
| 12   | Bottom hinge            | ZH211-R | 2        | Left and right                                                       |
| 13   | Upper hinge             | ZH212-R | 1        | Left and right                                                       |

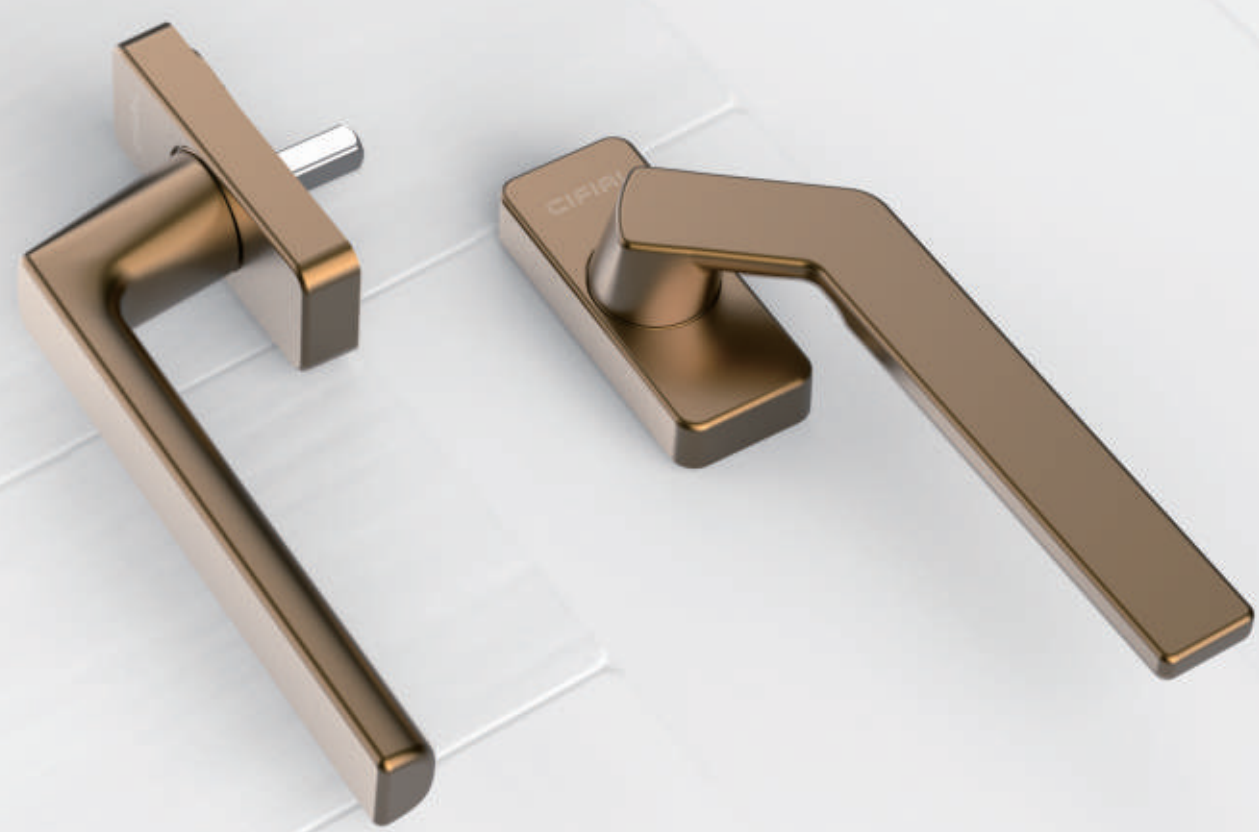
ZDM200 Double hinged windows ACCESSORIES LIST

| Item | Name of accessories     | Code    | Quantity | Remark                                                               |
|------|-------------------------|---------|----------|----------------------------------------------------------------------|
| 1    | Square steel handle     | ZS10    | 1        | Optional handle appearance, mechanical sound and oxidation treatment |
| 2    | Transmitter             | ZDA215  | 1        | Optional                                                             |
| 3    | Corner device           | ZJ110   | 1        |                                                                      |
| 4    | Corner device           | ZJ210   | 3        |                                                                      |
| 5    | Lock block              | ZLP111  | 3        |                                                                      |
| 6    | Lock block              | ZLP114  | 2        |                                                                      |
| 7    | Lock block              | ZLP115  | 2        |                                                                      |
| 8    | Connecting linkage      | ZGZ22M  | 1        |                                                                      |
| 9    | Middle transmission rod | ZGZ21M  | 2        |                                                                      |
| 10   | Transmission rod        | ZGB10G  | 1        |                                                                      |
| 11   | Bottom hinge            | ZH211-R | 2        | Left and right                                                       |
| 12   | Upper hinge             | ZH212-R | 2        | Left and right                                                       |

CONFIGURATION SPECIFICATION

- System specification
  - 1 The door type can meet the fan width of 500mm-900m it shall be used for indoor partition
  - 2 The maximum load-bearing capacity of the hinge is 120kg
  - 3 Please refer to the "Instructions for Using Cifial Hardware" on the front page of the catalogue contents for the requirements for using hardware.
- Remarks:
  - The handle style is optional, please refer to P34-P43
  - The transmission can be optionally equipped with ZDA212. For specific details, please refer to P64-P66.

SQUARE  
STEEL  
HANDLE SERIES



ergonomics



Full color



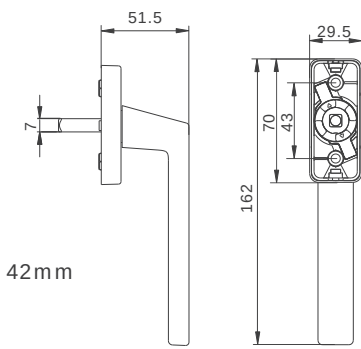
Hard surface

The pictures are for reference only,  
and the product is subject to the actual product

NORDIC MINIMALISM

Product Description:

- Handle type  
Full buckle handle
- Adapting system  
casement window&  
Horizontal pivoting window
- Technical parameters  
exposed square steel 24mm, 42mm

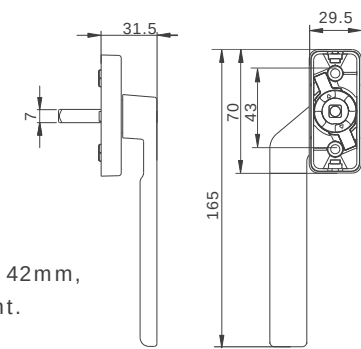


Optional:

- Amino baking varnish: ZS10
- oxidation ZS10Y
- Amino baking varnish with  
mechanical sound ZS10X
- Mechanical sound of  
oxidation belt ZS10XY

Product Description:

- Handle type  
Full buckle handle
- Adapting system  
casement window&  
Horizontal pivoting window
- Technical parameters  
exposed square steel 24mm, 42mm,  
The product has left and right.

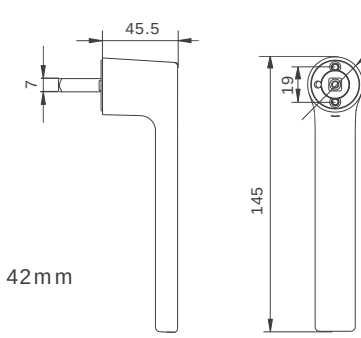


Optional:

- Amino baking varnish: ZSW10-L/R
- oxidation ZSW10Y-L/R
- Amino baking varnish with  
mechanical sound ZSW10X-L/R
- Mechanical sound of  
oxidation belt ZSW10XY-L/R

Product Description:

- Handle type  
No base handle
- Adapting system  
casement window&  
Horizontal pivoting window
- Technical parameters  
exposed square steel 24mm, 42mm

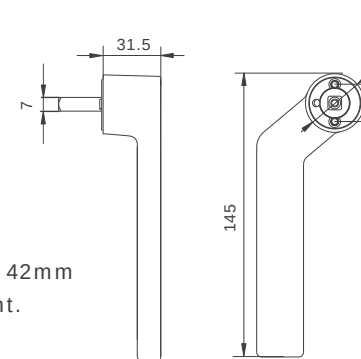


Optional:

- Amino baking varnish: ZSD10
- Amino baking varnish with  
mechanical sound ZSD10X

Product Description:

- Handle type  
No base handle
- Adapting system  
casement window&  
Horizontal pivoting window
- Technical parameters  
exposed square steel 24mm, 42mm  
The product has left and right.



Optional:

- Amino baking varnish: ZSDW10-L/R
- Amino baking varnish with  
mechanical sound ZSDW10X-L/R

COLORS



• The product has two surface treatment processes to choose from: oxidation treatment and paint bagging treatment.

ENTRY LUXURY FASHION



- Optional:
- Amino baking varnish: ZS30
  - oxidation ZS30Y
  - Amino baking varnish with mechanical sound ZS30X
  - Mechanical sound of oxidation belt ZS30XY

- Product Description:
- Handle type Full buckle handle
  - Adapting system casement window& Horizontal pivoting window
  - Technical parameters exposed square steel 24mm, 42mm



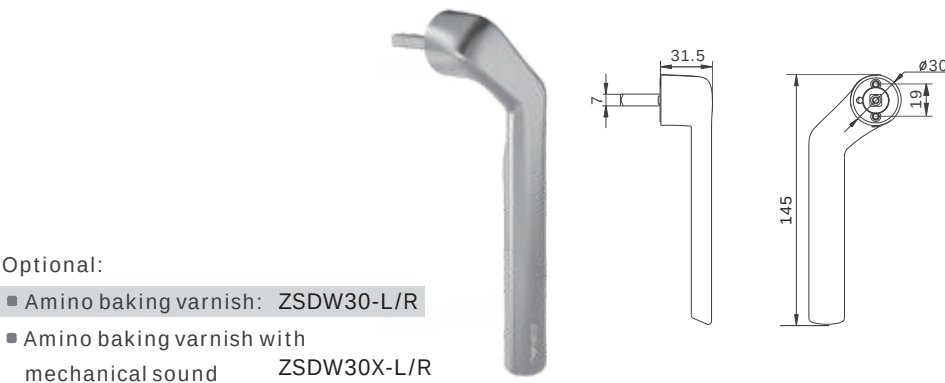
- Optional:
- Amino baking varnish: ZSW30-L/R
  - oxidation ZSW30Y-L/R
  - Amino baking varnish with mechanical sound ZSW30X-L/R
  - Mechanical sound of oxidation belt ZSW30XY-L/R

- Product Description:
- Handle type Full buckle handle
  - Adapting system casement window& Horizontal pivoting window
  - Technical parameters exposed square steel 24mm, 42mm, The product has left and right.



- Optional:
- Amino baking varnish: ZSD30
  - Amino baking varnish with mechanical sound ZSD30X

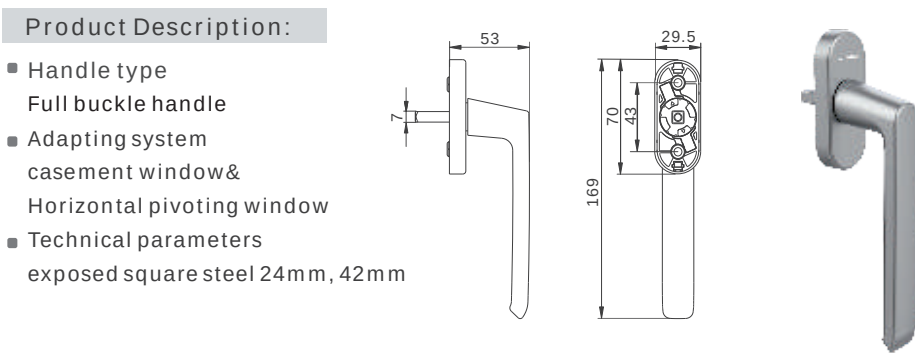
- Product Description:
- Handle type No base handle
  - Adapting system casement window& Horizontal pivoting window
  - Technical parameters exposed square steel 24mm, 42mm



- Optional:
- Amino baking varnish: ZSDW30-L/R
  - Amino baking varnish with mechanical sound ZSDW30X-L/R

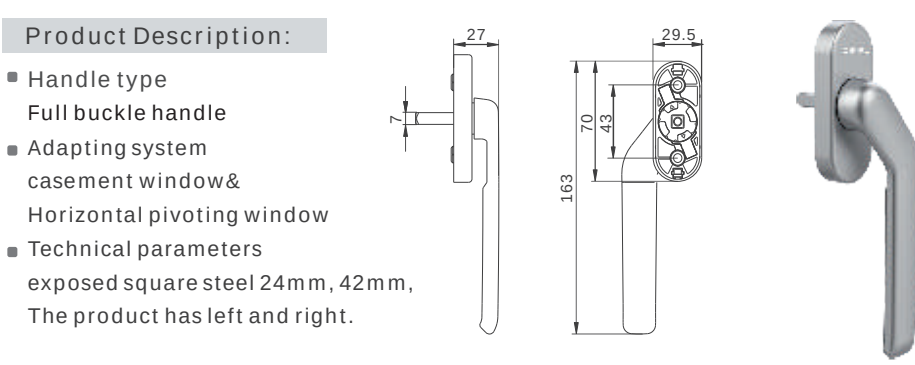
- Product Description:
- Handle type No base handle
  - Adapting system casement window& Horizontal pivoting window
  - Technical parameters exposed square steel 24mm, 42mm The product has left and right.

OTHER HANDLES



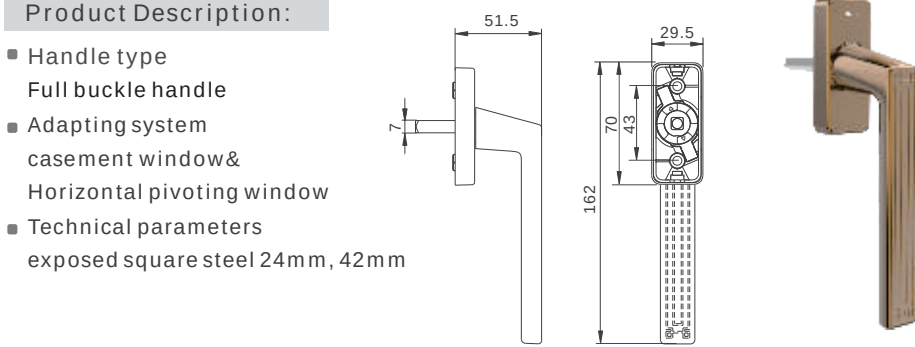
- Product Description:
- Handle type Full buckle handle
  - Adapting system casement window& Horizontal pivoting window
  - Technical parameters exposed square steel 24mm, 42mm

- Optional:
- Amino baking varnish: ZS22
  - oxidation ZS22Y
  - Amino baking varnish with mechanical sound ZS22X
  - Mechanical sound of oxidation belt ZS22XY



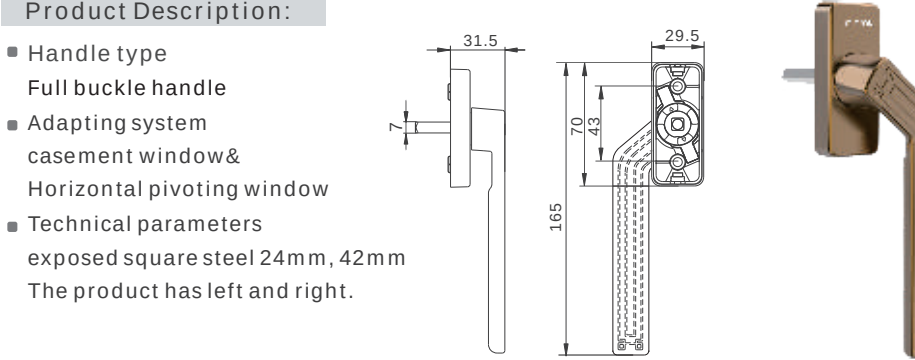
- Product Description:
- Handle type Full buckle handle
  - Adapting system casement window& Horizontal pivoting window
  - Technical parameters exposed square steel 24mm, 42mm, The product has left and right.

- Optional:
- Amino baking varnish: ZSW22-L/R
  - oxidation ZSW22Y-L/R
  - Amino baking varnish with mechanical sound ZSW22X-L/R
  - Mechanical sound of oxidation belt ZSW22XY-L/R



- Product Description:
- Handle type Full buckle handle
  - Adapting system casement window& Horizontal pivoting window
  - Technical parameters exposed square steel 24mm, 42mm

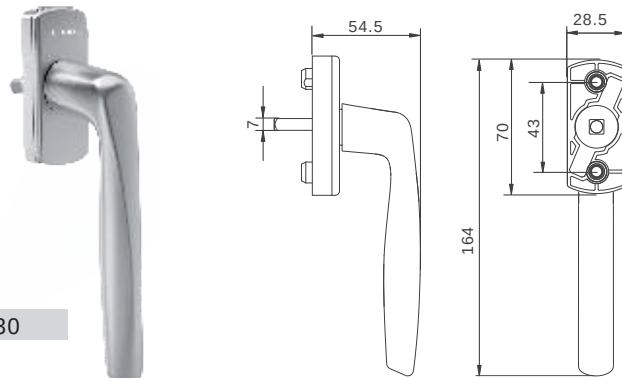
- Optional:
- oxidation ZS610Y
  - Mechanical sound of oxidation belt ZS610XY



- Product Description:
- Handle type Full buckle handle
  - Adapting system casement window& Horizontal pivoting window
  - Technical parameters exposed square steel 24mm, 42mm The product has left and right.

- Optional:
- oxidation ZSW610Y-L/R
  - Mechanical sound of oxidation belt ZSW610XY-L/R



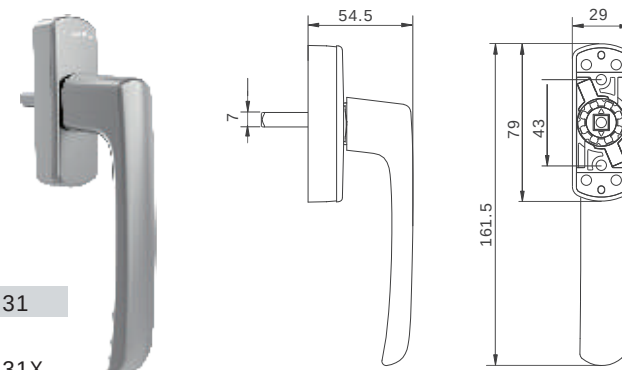


Optional:

- Amino baking varnish: ZSG30
- Amino baking varnish with mechanical sound ZSG30X

**Product Description:**

- Handle type  
Half rotating cover handle
- Adapting system  
casement window&  
Horizontal pivoting window
- Technical parameters  
exposed square steel 24mm-42mm,  
length ending in 0 or 5

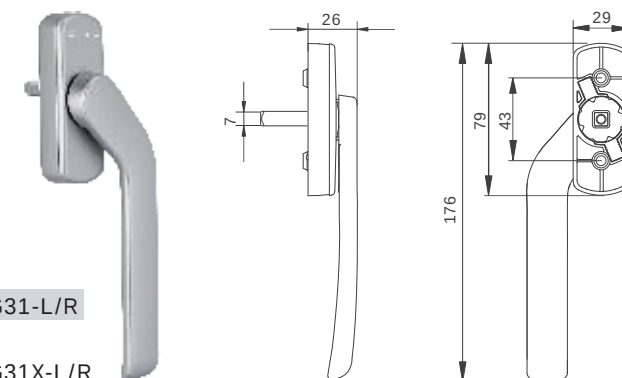


Optional:

- Amino baking varnish: ZSG31
- Amino baking varnish with mechanical sound ZSG31X

**Product Description:**

- Handle type  
Half rotating cover handle
- Adapting system  
casement window&  
Horizontal pivoting window
- Technical parameters  
exposed square steel 24mm-42mm,  
length ending in 0 or 5

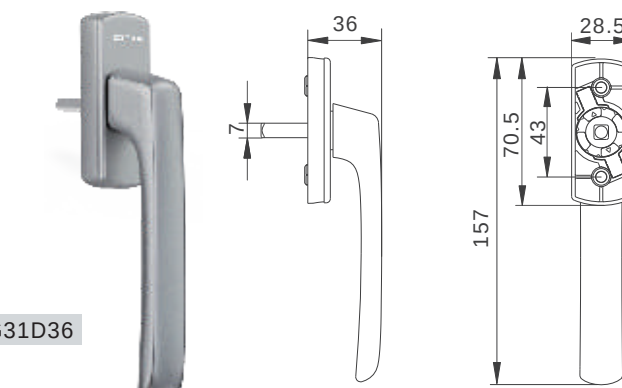


Optional:

- Amino baking varnish: ZSWG31-L/R
- Amino baking varnish with mechanical sound ZSWG31X-L/R

**Product Description:**

- Handle type  
Half rotating cover handle
- Adapting system  
casement window
- Technical parameters  
exposed square steel 33mm  
38mm 43mm  
The product has left and right.

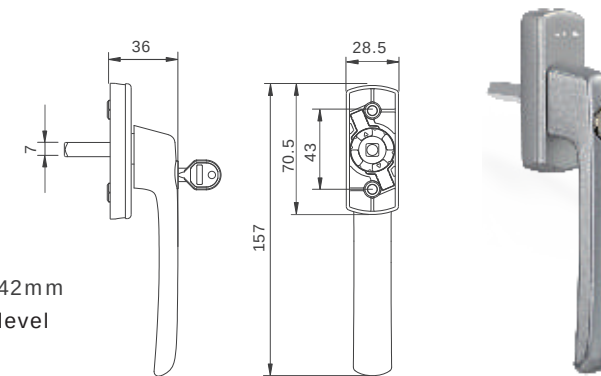


Optional:

- Amino baking varnish: ZSG31D36
- Amino baking varnish with mechanical sound ZSG31XD36

**Product Description:**

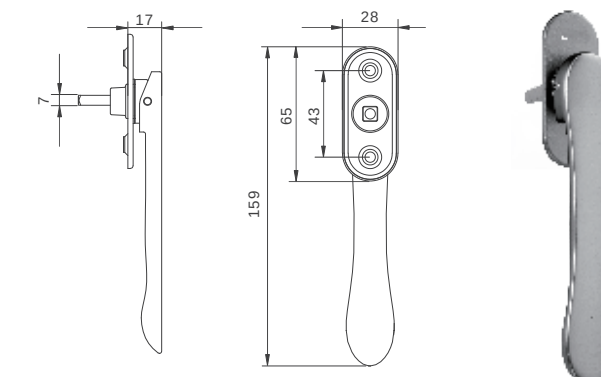
- Handle type  
Half rotating cover handle
- Adapting system  
casement window&  
Horizontal pivoting window
- Technical parameters  
exposed square steel 24mm, 42mm

**Product Description:**

- Handle type  
Half rotating cover handle
- Adapting system  
casement window&  
Horizontal pivoting window
- Technical parameters  
exposed square steel 24mm-42mm  
One key opens, No anti-theft level

Optional:

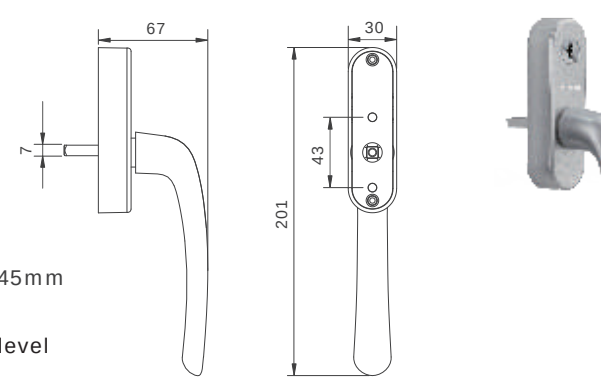
- Amino baking varnish: ZSG31SD36
- Amino baking varnish with mechanical sound ZSG31SXD36

**Product Description:**

- Handle type  
Lifting handle
- Adapting system  
screen&Sliding folding
- Technical parameters  
exposed square steel 20mm,  
25mm 30mm

Optional:

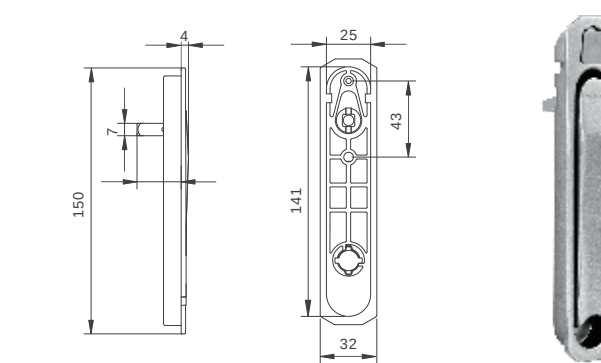
- Amino baking varnish: ZSH20
- oxidation ZSH20Y

**Product Description:**

- Handle type  
Half rotating cover handle
- Adapting system  
casement window&  
Horizontal pivoting window
- Technical parameters  
exposed square steel 25mm-45mm  
length ending in 0 or 5,  
One key opens, No anti-theft level

Optional:

- Amino baking varnish: ZSG36S
- Amino baking paint  
Fork handle ZSG136S

**Product Description:**

- Handle type  
Square steel handle
- Adapting system  
screen window
- Technical parameters  
exposed square steel 25mm

Optional:

- Amino baking varnish: ZSK821
- Amino paint key  
(One key opens,  
No anti-theft level): ZSK821S

# FORK SPINDLE SERIES



ergonomics



Full color

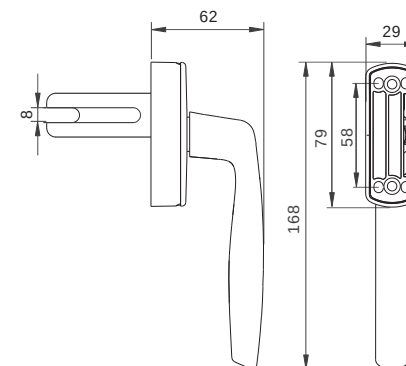


Hard surface

The pictures are for reference only,  
and the product is subject to the actual product

## product description:

- Adapting system:
- casement window
- Technical parameters:  
tongue length exposed 20-70mm



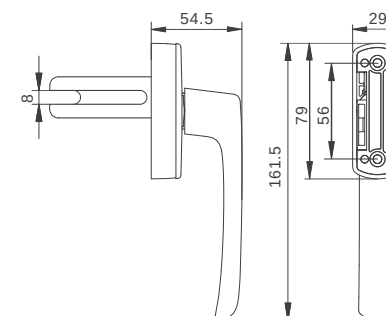
Model

- Amino baking varnish : ZSG130
- Amino baking varnish with mechanical sound ZSG130X



## product description:

- Adapting system:
- casement window
- Technical parameters:  
tongue length exposed 20-70mm



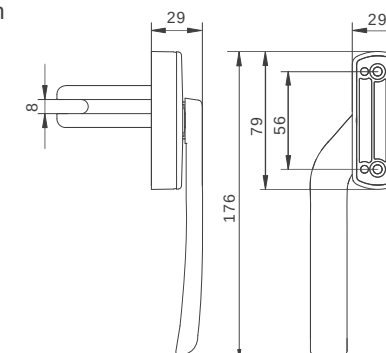
Model

- Amino baking varnish : ZSG131
- Amino baking varnish with mechanical sound: ZSG131X



## product description:

- Adapting system: casement window
- Technical parameters: tongue length exposed 20-50mm
- The product has left and right



Model

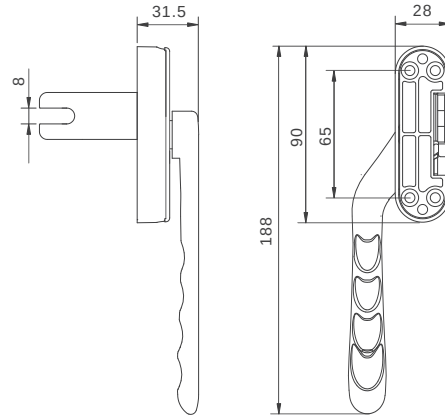
- Amino baking varnish : ZSWG131-L/R
- Amino baking varnish with mechanical sound ZSWG131X-L/R



## COLORS

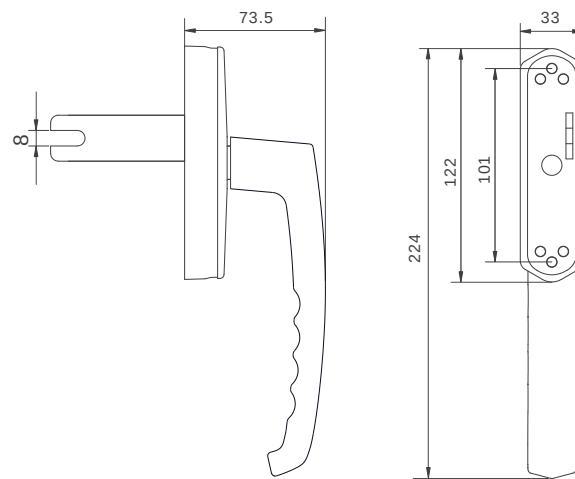


• The product is a surface treatment process for paint bagging treatment.

**product description:**

- Adapting system:
- casement window
- Technical parameters:  
tongue length exposed 20-50mm
- The product has left and right

Model  
■ amino baking varnish: ZSWG132-L/R

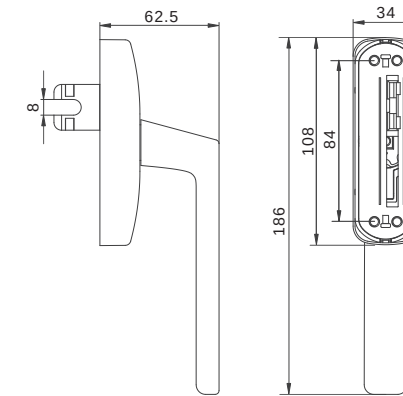
**product description:**

- Surface treatment:  
amino baking varnish
- Adapting system: sliding door
- Technical parameters:  
tongue length exposed 20-70mm,  
square steel exposed L=20-80mm  
(take 5 as the advanced unit)

Model  
■ Pullout fork ZSM115  
■ Square steel ZSM15

**product description:**

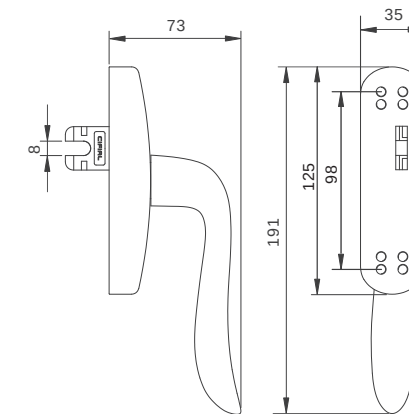
- Adapting system:  
Horizontal pivoting window
- Technical parameters:  
tongue length exposed 24mm



Model  
Oxidation treatment: ZS315Y

**product description:**

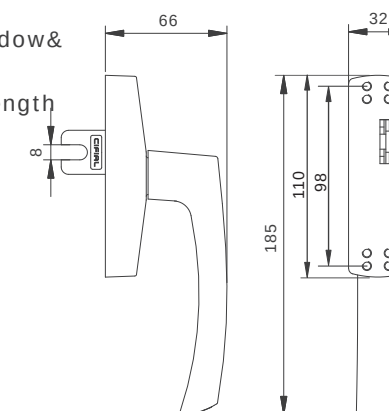
- Adapting system:  
Horizontal pivoting window
- Technical parameters:  
tongue length exposed 24mm



Model  
Oxidation treatment: ZS320Y

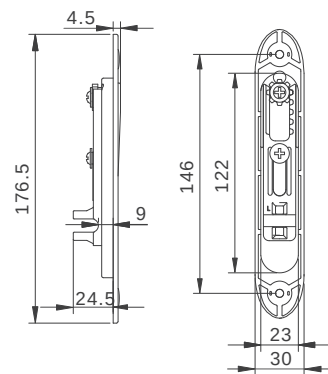
**product description:**

- Adapting system: casement window &  
Horizontal pivoting window
- Technical parameters: tongue length  
exposed 24mm



Model  
amino baking varnish: ZS321



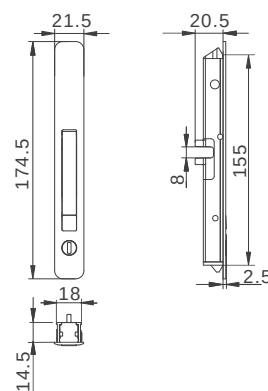


## product description:

- Handle type: hidden handle
- Adapting system: screen window
- Technical parameters: left and right products

## Model

- Amino baking varnis: ZSK721-L/R
- Amino paint key ZSK721S-L/R  
(One key opens, no anti-theft level)

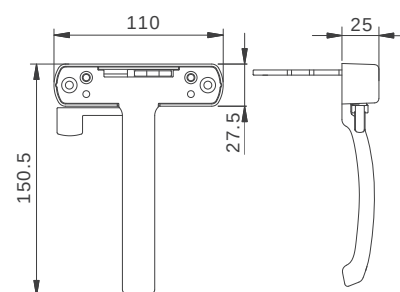


## product description:

- Handle type: hidden handle
- Adapting system: screen window
- Technical parameters: the minimum thickness of the selected profile is 15mm

## Model

- Oxide key payment: ZSQ20SY



## product description:

- Adapting system: casement window
- Technical parameters: tongue length exposed 20-60mm

## Model

- amino baking varnish: ZSF181

DOOR HANDLE  
SERIES

Smooth opening



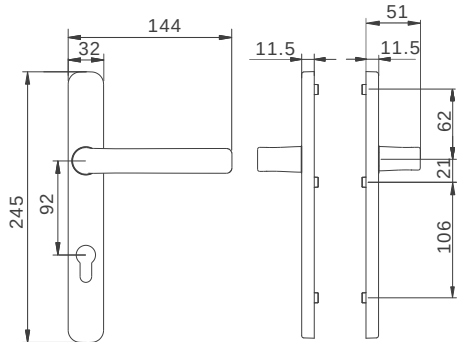
Stable performance



Full color

The pictures are for reference only,  
and the product is subject to the actual product

DOOR HANDLE



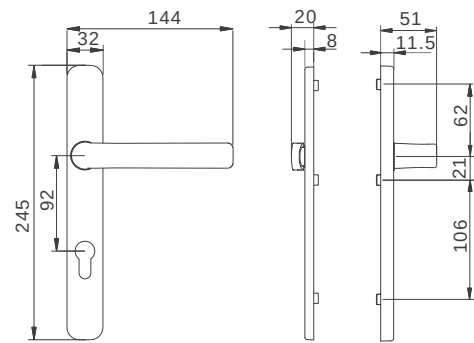
product description:

- Surface treatment: amino baking varnish
- Adapting system: swing door
- Technical parameters: the length of square steel is  $H+2 * (15-20)$  mm, The length ends with 0 and 5 (4 can be rounded but not 5 can be rounded) The length of the screw is  $H+(10-15)$  mm, The length ends with 0 and 5 (4 can be rounded but not 5 can be rounded)

Model  
■ amino baking varnish: ZSM10

product description:

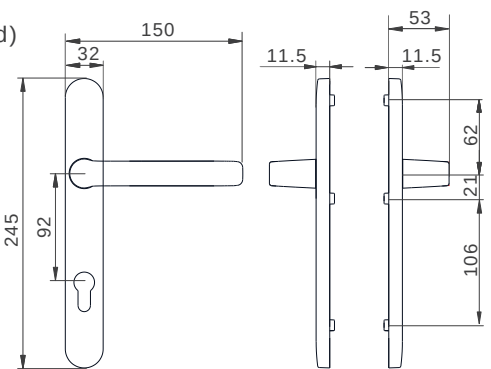
- Surface treatment: amino baking varnish
- Adaptation system: screen door integrated door



Model  
■ amino baking varnish: ZSMS10

product description:

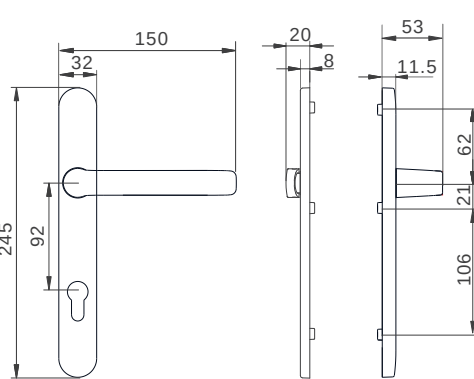
- Surface treatment: amino baking varnish
- Adapting system: swing door
- Technical parameters: the length of square steel is  $H+2 * (15-20)$  mm, The length ends with 0 and 5 (4 can be rounded but not 5 can be rounded) The length of the screw is  $H+(10-15)$  mm, The length ends with 0 and 5 (4 can be rounded but not 5 can be rounded)



Model  
■ amino baking varnish: ZSM22

product description:

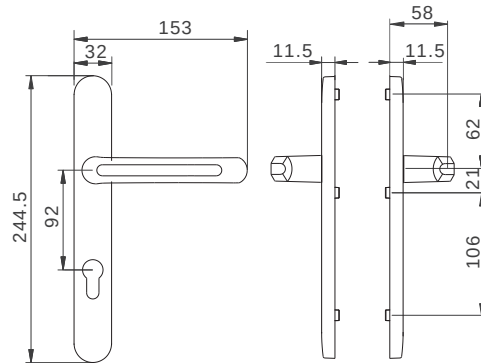
- Surface treatment: amino baking varnish
- Adaptation system: screen door integrated door



Model  
■ amino baking varnish: ZSMS22

## product description:

- Surface treatment: amino baking varnish
- Adapting system: swing door
- Technical parameters: the length of square steel is  $H+2 * (15-20)$  mm, The length ends with 0 and 5 (4 can be rounded but not 5 can be rounded) The length of the screw is  $H+(10-15)$  mm, The length ends with 0 and 5 (4 can be rounded but not 5 can be rounded)

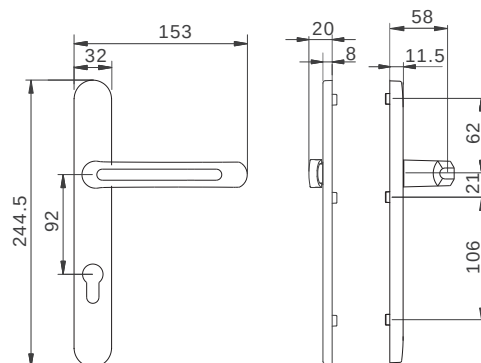


Model

■ amino baking varnish: ZSM25

## product description:

- Surface treatment: amino baking varnish
- Adaptation system: screen door integrated door

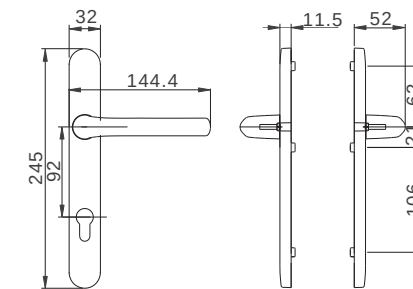


Model

■ amino baking varnish: ZSMS25

## product description:

- Surface treatment: amino baking varnish
- Adapting system: swing door
- Technical parameters: the length of square steel is  $H+2 * (15-20)$  mm, The length ends with 0 and 5 (4 can be rounded but not 5 can be rounded) The length of the screw is  $H+(10-15)$  mm, The length ends with 0 and 5 (4 can be rounded but not 5 can be rounded)

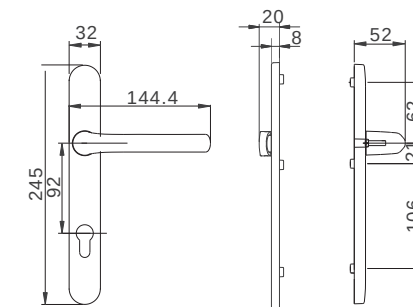


Model

■ amino baking varnish: ZSM30

## product description:

- Surface treatment: amino baking varnish
- Adaptation system: screen door integrated door

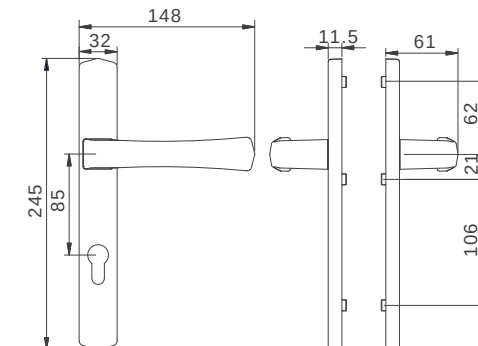


Model

■ amino baking varnish: ZSMS30

## product description:

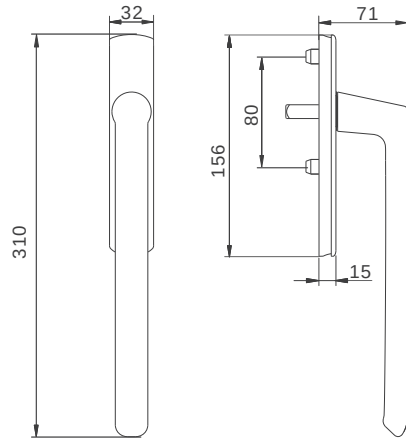
- Surface treatment: amino baking varnish
- Adapting system: swing door
- Technical parameters: the length of square steel is  $H+2 * (15-20)$  mm, The length ends with 0 and 5 (4 can be rounded but not 5 can be rounded) The length of the screw is  $H+(10-15)$  mm, The length ends with 0 and 5 (4 can be rounded but not 5 can be rounded)



Model

■ amino baking varnish: ZSM73



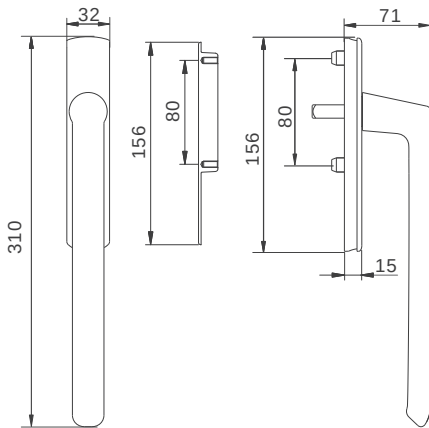


product description:

- Surface treatment: amino baking varnish
- Adapting system: lifting sliding door
- Technical parameters: The insertion depth of the square steel is 23-28mm, and the square steel specification is 10mmx10mm

Model

- amino baking varnish: ZST10S
- amino baking varnish without locking core hole: ZST10

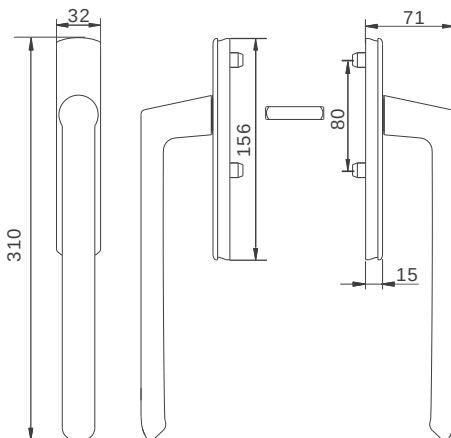


product description:

- Surface treatment: amino baking varnish
- Adapting system: lifting sliding door
- Technical parameters: The insertion depth of the square steel is 23-28mm, and the square steel specification is 10mmx10mm

Model

- amino baking varnish: ZST110S
- amino baking varnish without locking core hole: ZST110



product description:

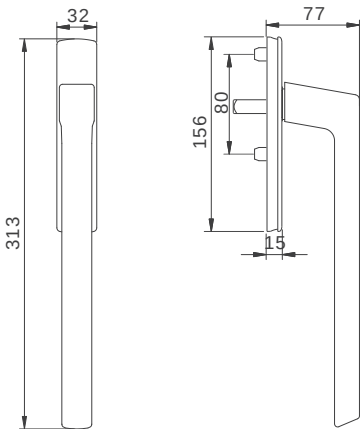
- Surface treatment: amino baking varnish
- Adapting system: lifting sliding door
- Technical parameters: The insertion depth of the square steel on both sides is 23-28mm, and the square steel specification is 10mmx10mm

Model

- amino baking varnish: ZST210S
- amino baking varnish without locking core hole: ZST210

product description:

- Surface treatment: amino baking varnish
- Adapting system: lifting sliding door
- Technical parameters: The insertion depth of the square steel is 23-28mm, and the square steel specification is 10mmx10mm

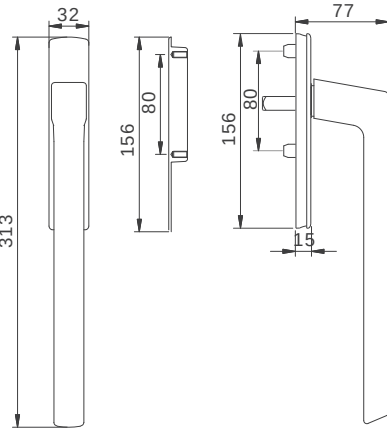


Model

- amino baking varnish: ZST111S
- amino baking varnish without locking core hole: ZST111



- Surface treatment: amino baking varnish
- Adapting system: lifting sliding door
- Technical parameters: The insertion depth of the square steel is 23-28mm, and the square steel specification is 10mmx10mm



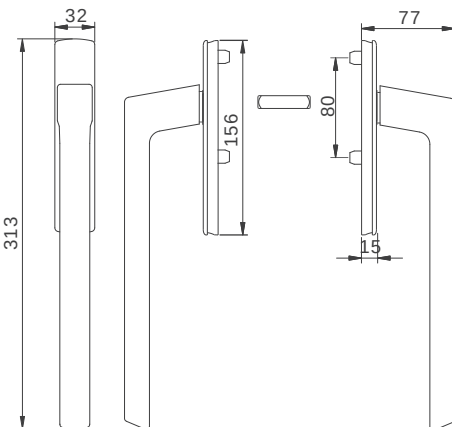
Model

- amino baking varnish: ZST111S
- amino baking varnish without locking core hole: ZST111



product description:

- Surface treatment: amino baking varnish
- Adapting system: lifting sliding door
- Technical parameters: The insertion depth of the square steel on both sides is 23-28mm, and the square steel specification is 10mmx10mm



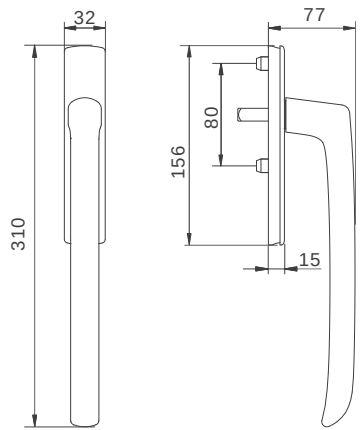
Model

- amino baking varnish: ZST211S
- amino baking varnish without locking core hole: ZST211





Model  
■ amino baking varnish: ZST31S  
■ amino baking varnish without  
locking core hole: ZST31

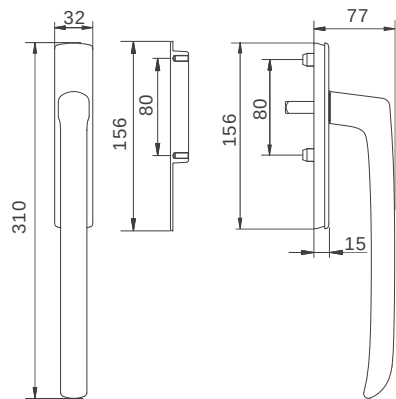


product description:

- Surface treatment: amino baking varnish
- Adapting system: lifting sliding door
- Technical parameters: The insertion depth of the square steel is 23-28mm, and the square steel specification is 10mmx10mm



Model  
■ amino baking varnish: ZST131S  
■ amino baking varnish without  
locking core hole: ZST131

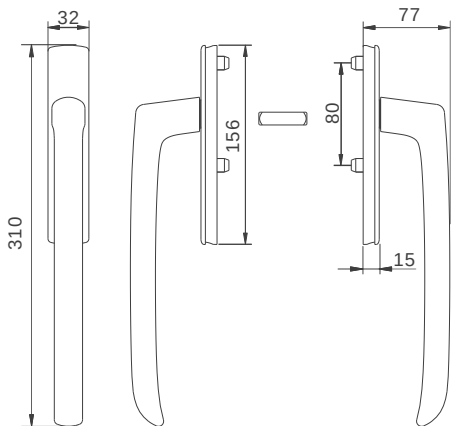


product description:

- Surface treatment: amino baking varnish
- Adapting system: lifting sliding door
- Technical parameters: The insertion depth of the square steel is 23-28mm, and the square steel specification is 10mmx10mm



Model  
■ amino baking varnish: ZST231S  
■ amino baking varnish without  
locking core hole: ZST231

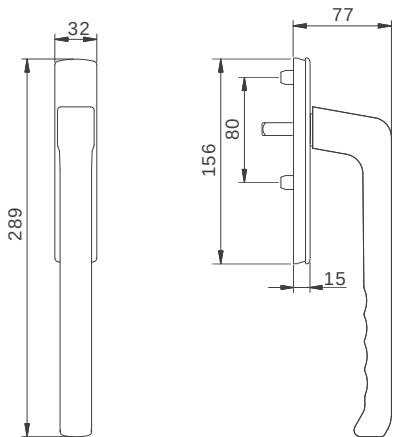


product description:

- Surface treatment: amino baking varnish
- Adapting system: lifting sliding door
- Technical parameters: The insertion depth of the square steel on both sides is 23-28mm, and the square steel specification is 10mmx10mm



Model  
■ Oxidation: ZST32SY  
■ Oxidation non lock core hole: ZST32Y

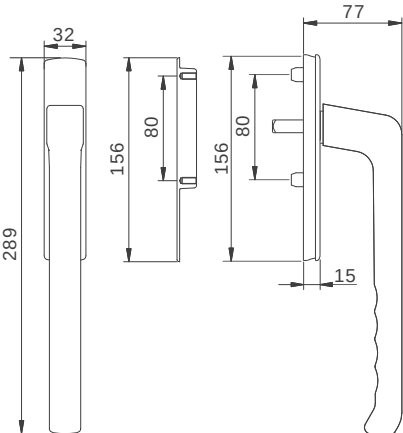


product description:

- Surface treatment: Oxidation treatment
- Adapting system: lifting sliding door
- Technical parameters: The insertion depth of the square steel is 23-28mm, and the square steel specification is 10mmx10mm



Model  
■ Oxidation: ZST132SY  
■ Oxidation non lock core hole: ZST132Y

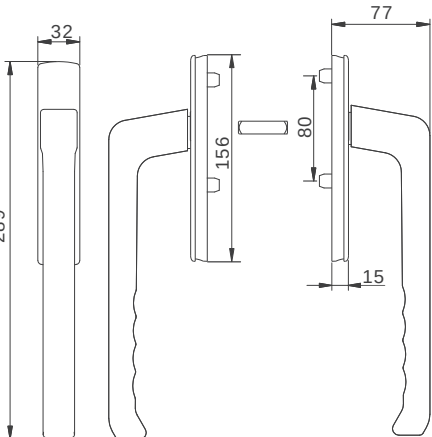


product description:

- Surface treatment: Oxidation treatment
- Adapting system: lifting sliding door
- Technical parameters: The insertion depth of the square steel is 23-28mm, and the square steel specification is 10mmx10mm



Model  
■ Oxidation: ZST232SY  
■ Oxidation non lock core hole: ZST232Y



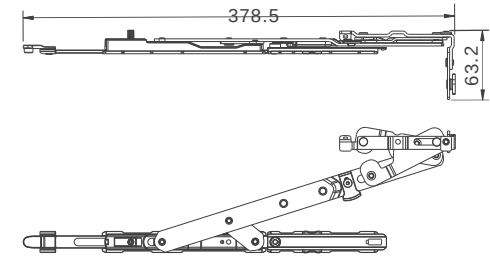
product description:

- Surface treatment: Oxidation treatment
- Adapting system: lifting sliding door
- Technical parameters: The insertion depth of the square steel on both sides is 23-28mm, and the square steel specification is 10mmx10mm

HIDDEN WINDOW HINGE

product description:

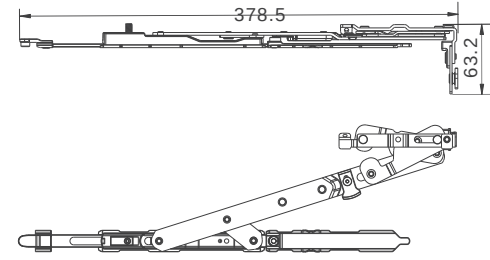
- Surface treatment: sanding
- Adapting system: Horizontal pivoting window, which is used together with ZHY620A-L/R, Technical parameters: the maximum load is90kg,and the product has left and right



Model  
■ C notch: ZHY610A-L/R  
■ 23/27 notch: ZHY610AK-L/R

product description:

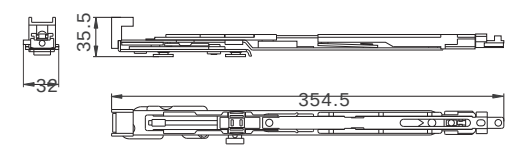
- Surface treatment: sanding
- Adapting system: Horizontal pivoting window, which is used together with ZHY620A-L/R Technical parameters: the maximum load is90kg, and the products have left and right



Model  
■ C notch: ZHY612A-L/R

product description:

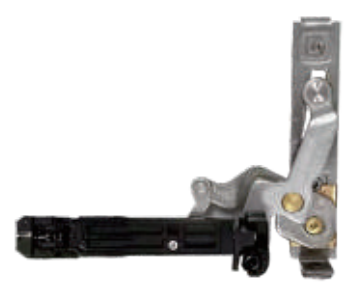
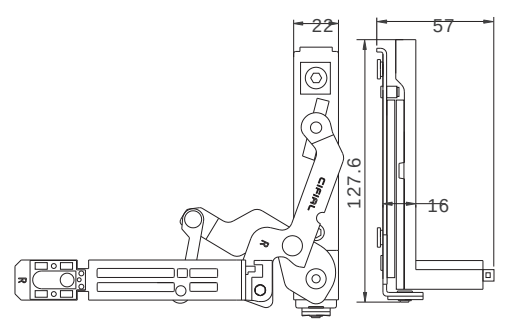
- Surface treatment: grinding treatment
- Adapting system: Horizontal pivoting window, which is used together with ZHY668-L/R
- Technical parameters: the maximum load is 80kg, opening angle 180 degrees. and the product has left and right



Model  
■ C notch: ZHY658-L/R

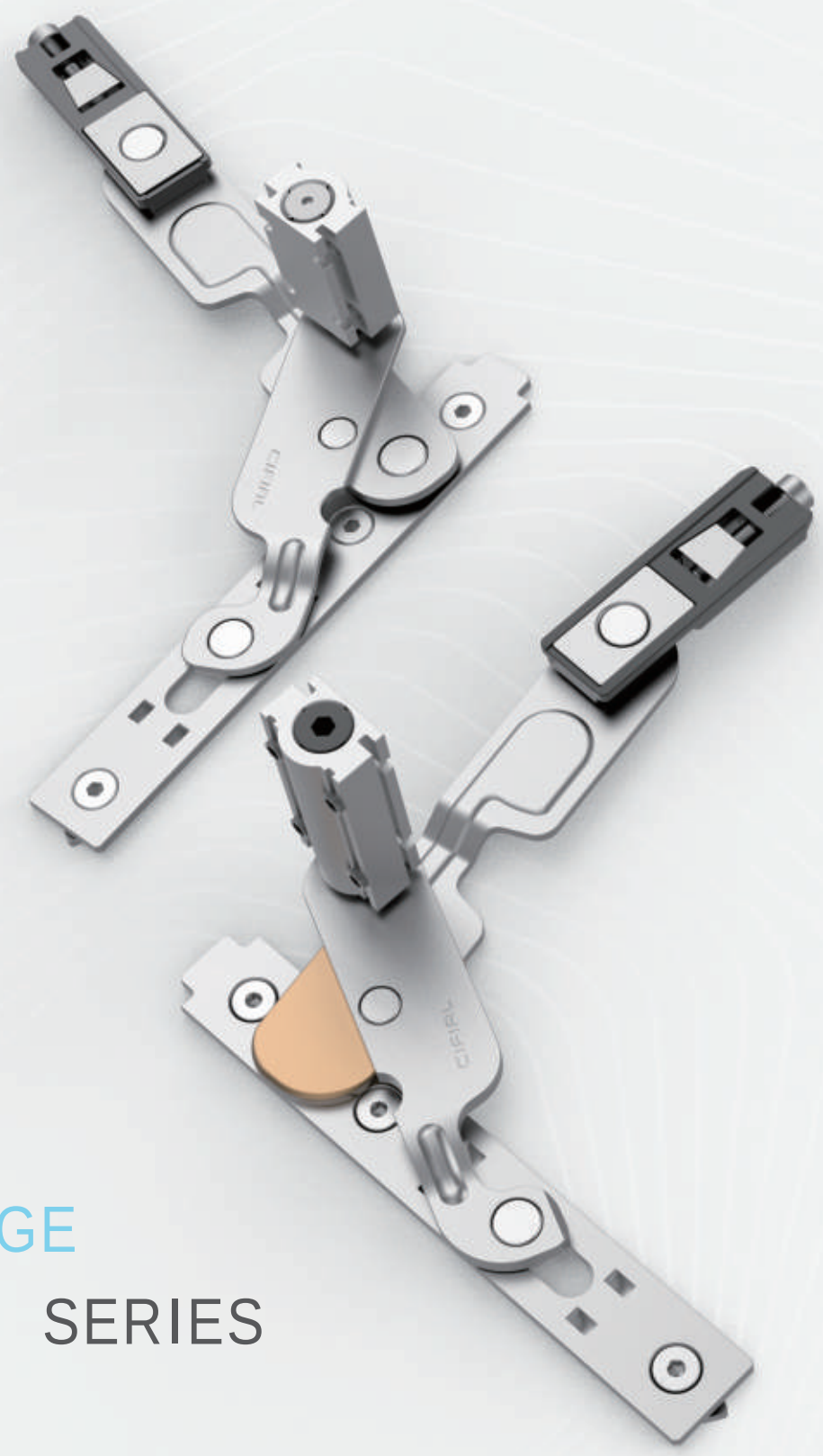
product description:

- Surface treatment: grinding treatment
- Adapting system: Horizontal pivoting window, which is used together with ZHY658-L/R
- Technical parameters: the maximum load is 80kg, opening angle 180 degrees. and the product has left and right



Model  
■ C notch: ZHY668-L/R

HINGE  
SERIES



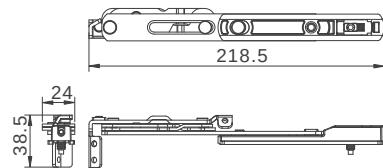
The pictures are for reference only, and the product is subject to the actual product

Smooth opening

Stable performance

Full color



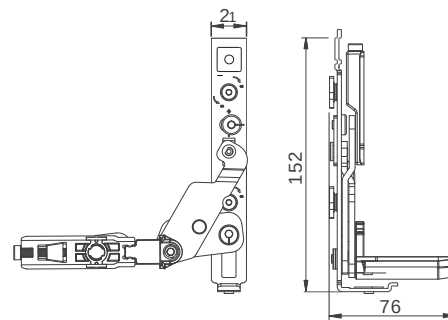


Model

■ C notch: ZHY611-L/R

## product description:

- Surface treatment: sanding
- Adapting system: open-in casement window, which is used together with ZHY620-L/R, Technical parameters: the maximum load is 90kg, and the products have left and right



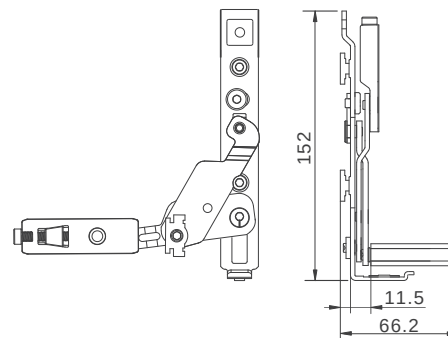
Model

■ C notch: ZHY620A-L/R

■ 23/27 notch: ZHY620K-L/R

## product description:

- Surface treatment: sanding
- Adapting system: which can be used together with ZHY620-L/R or ZHY611-L/R or ZHY612-L/R, Horizontal pivoting window & open-in casement window
- Technical parameters: the maximum load is 90kg, and the product has left and right

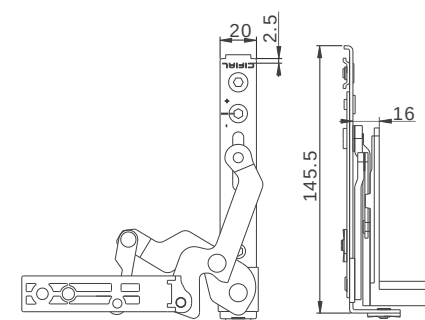


Model

■ C notch: ZHY621A-L/R

## product description:

- Surface treatment: sanding
- Adapting system: open-in casement window
- Technical parameters: the maximum load is 60kg, and the product has left and right



Model

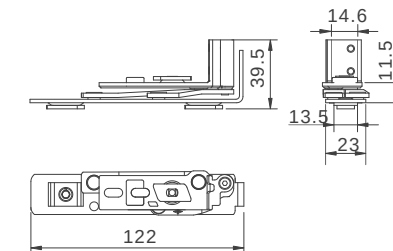
■ C notch: ZHY638-L/R

## product description:

- Surface treatment: grinding treatment
- Adapting system: open-in casement window
- Technical parameters: the maximum load is 60kg, opening angle 180 degrees, and the product has left and right

## product description:

- Surface treatment: sanding
- Adapting system: screen window
- Technical parameters: the maximum load is 10kg, the opening angle is 90°, and the product has left and right



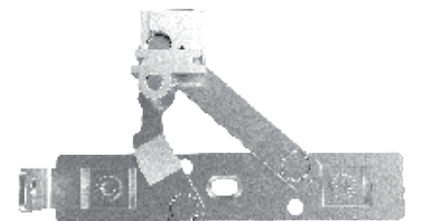
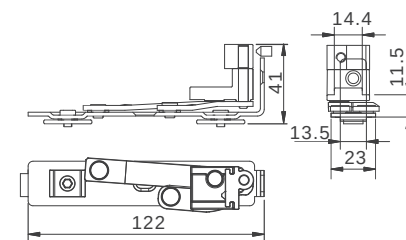
Model

■ C notch: ZHY510-L/R

■ 23/27 notch: ZHY510K-L/R

## product description:

- Surface treatment: sanding
- Adapting system: open-in screen
- Technical parameters: the maximum load is 10kg, the opening angle is 90°, quick disassembly and assembly, and the product has left and right



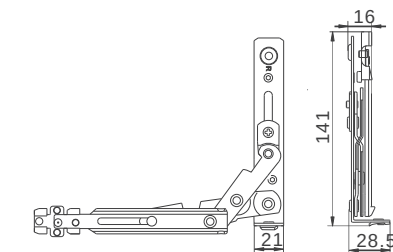
Model

■ C notch: ZHY512-L/R

■ 23/27 notch: ZHY512K-L/R

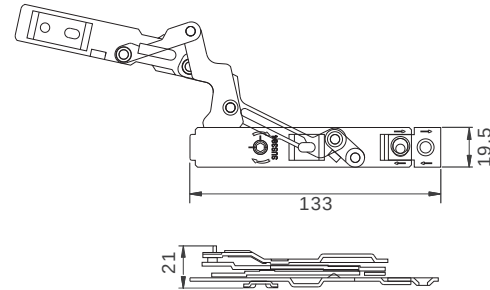
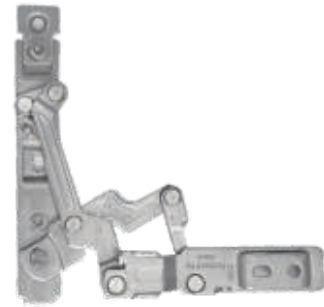
## product description:

- Surface treatment: sanding
- Adaptation system: screen window (hinge must be used together with wind support/limiter when opening the screen window)
- Technical parameters: the maximum load is 10kg, the angle can be adjusted, the opening angle is 89°, and the product has left and right



Model

■ C notch: ZHY515-L/R

**product description:**

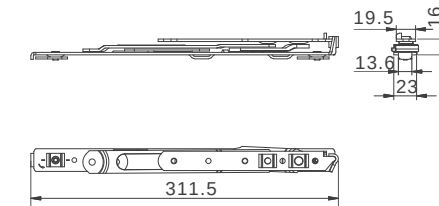
- Surface treatment: stainless steel natural color
- Adaptation system: open-in screen used with antifalling device
- Technical parameters: the maximum bearing is 15kg, the opening angle is 180°
- Product features: quick disassembly and assembly, and the product has left and right

Model

■ C notch: ZHY516-L/R

**product description:**

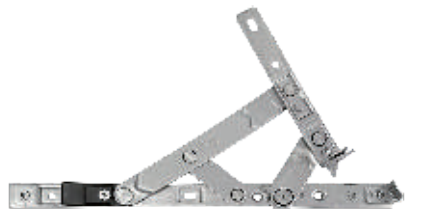
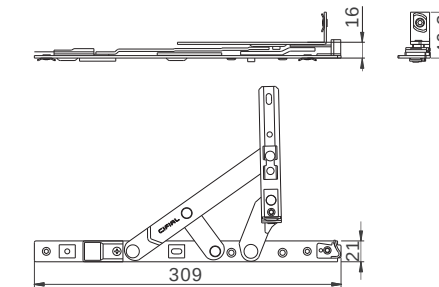
- Surface treatment: sanding
- Adaptation system: Open-out casement window (used with antifalling device, please close the window in time in bad weather)
- Technical parameters: the maximum bearing is 60kg,
- Product features: the product has left and right, low damping hinge, windows should be closed in a timely manner for wind loads  $\geq 4$  levels to prevent accidents



Model

 ■ C notch: ZHJ10-L/R  
 ■ 23/27 notch: ZHJ10K-L/R
**product description:**

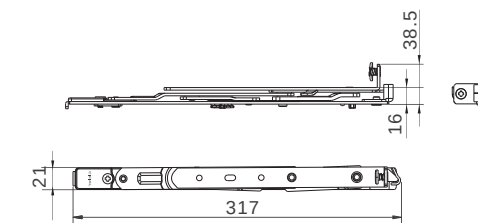
- Surface treatment: stainless steel natural color
- Adaptation system: Open-out casement window used with antifalling device
- Technical parameters: the maximum bearing is 60kg, the opening angle is 87°, and the product has left and right



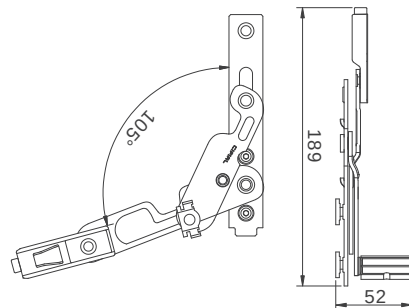
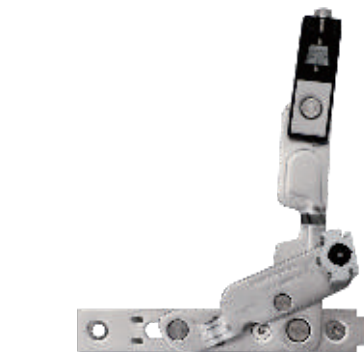
Model

 ■ C notch: ZHJ13-L/R  
 ■ 23/27 notch: ZHJ13K-L/R
**product description:**

- Surface treatment: sanding
- Adaptation system: Open-out casement window used with antifalling device
- Technical parameters: the maximum bearing is 80kg, the opening angle is 87°, and the product has left and right



Model

 ■ C notch: ZHJ20-L/R  
 ■ 23/27 notch: ZHJ20K-L/R


Model

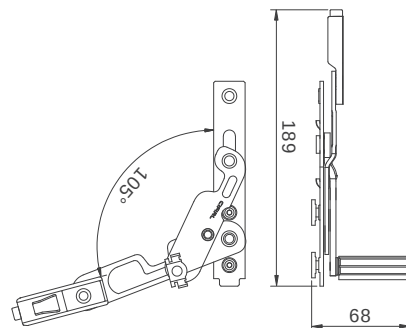
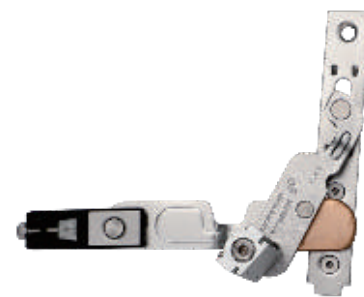
■ Upper hinge ZHY622-SL/SR

**product description:**

- Surface treatment: sanding
- Adapting system: Swing door
- Technical parameters: maximum load 120kg, one set of ZHY622-SL and ZHY622-XL, one set of ZHY622-SR and ZHY622-XR, and the product has left and right

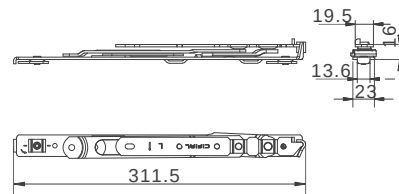
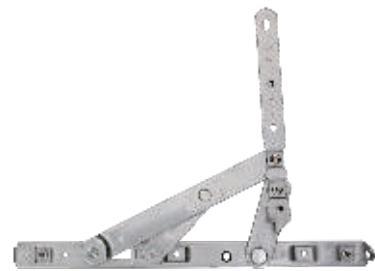
**product description:**

- Surface treatment: sanding
- Adapting system: Swing door
- Technical parameters: maximum load 120kg, one set of ZHY622-SL and ZHY622-XL, one set of ZHY622-SR and ZHY622-XR, and the product has left and right



Model

■ Bottom hinge: ZHY622-XL/XR



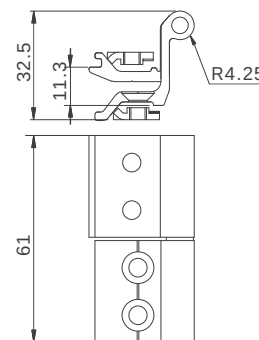
Model

■ C notch: ZHS10-L/R

## OPEN MOUNTED WINDOW HINGE

## product description:

- Surface treatment: stainless steel natural color
- Adaptation system: fireproof top hung window
- Technical parameters: the maximum load is 60kg, the opening angle is 88°, and it must be used together with other fireproof accessories.
- Product features: low damping hinge, the product has left and right

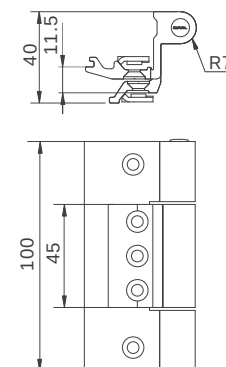


Model

■ C notch: ZH213-L/R

## product description:

- Surface treatment: amino baking varnish
- Adapting system: open-in screen
- Technical parameters: maximum load bearing 10kg/2PCS, hinge passage: 3.5-5mm, the product has left and right



Model

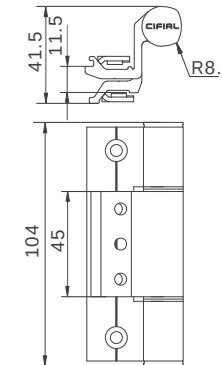
■ 23/27notch: ZH310K

## product description:

- Surface treatment: amino baking varnish
- Adapting system: Open-in casement window (23/27 notch)
- Technical parameters: maximum load bearing 60kg/2PCS, hinge passage: 3.5-5mm

## product description:

- Surface treatment: amino baking varnish
- Adapting system: Open-in casement window
- Technical parameters: maximum load bearing 80kg/2PCS, hinge passage: 3.5-5mm

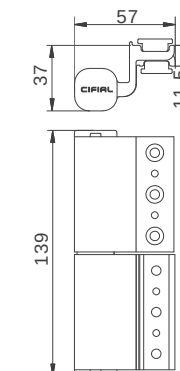


Model

■ C notch: ZH311

## product description:

- Surface treatment: amino baking varnish
- Adapting system: Swing door
- Technical parameters: maximum bearing 130kg/3PCS, hinge passage: 4-5mm, the product has left and right

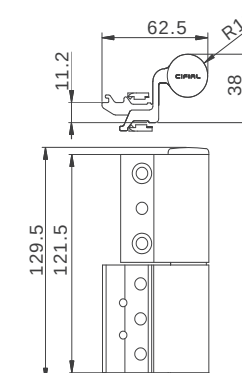


Model

■ C notch: ZH260-L/R

## product description:

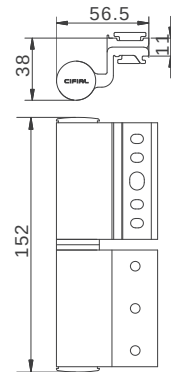
- Surface treatment: amino baking varnish
- Adapting system: Swing door (23/27 notch)
- Technical parameters: maximum bearing 120kg/3PCS, hinge passage: 3.5-5mm, the product has left and right



Model

■ 23/27notch: ZH261K-L/R

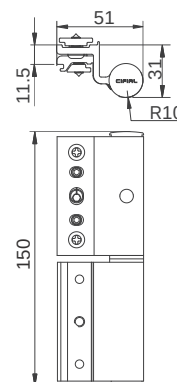


**product description:**

- Surface treatment: amino baking varnish
- Adapting system: Swing door
- Technical parameters: maximum bearing 150kg/3PCS, hinge passage: 4-5mm, the product has left and right

Model

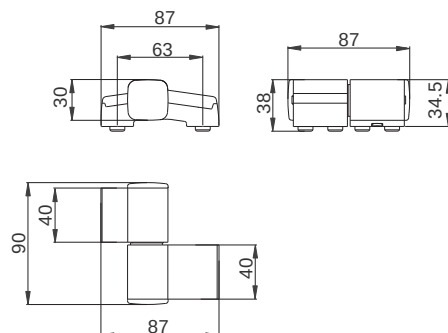
■ C notch: ZH262-L/R

**product description:**

- Surface treatment: amino baking varnish
- Adapting system: Swing door of frame and sash flush
- Technical parameters: maximum bearing 120kg/3PCS, hinge passage: 4-5mm, the product has left and right

Model

■ C notch: ZH263-L/R

**product description:**

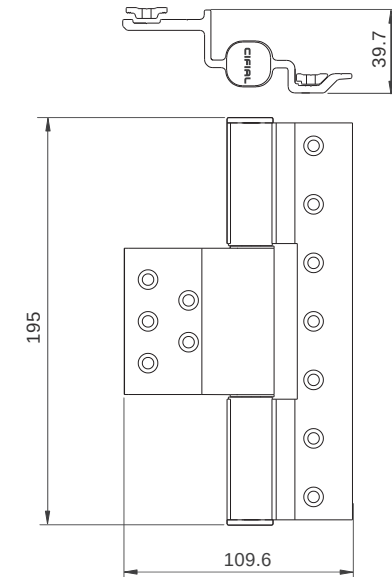
- Surface treatment: amino baking varnish
- Adapting system: Swing door of frame and sash flush
- Technical parameters: maximum bearing 150kg/3PCS, the product has left and right

Model

■ ZH264-L/R

**product description:**

- Surface treatment: amino baking varnish
- Adapting system: Swing door
- Technical parameters: maximum bearing 150kg/2PCS, hinge passage: 4-5mm

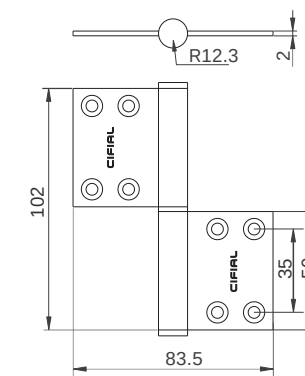


Model

■ ZH360

**product description:**

- Surface treatment: stainless steel wire drawing
- Adapting system: narrow edge bathroom door
- Technical parameters: maximum bearing 40kg/2PCS

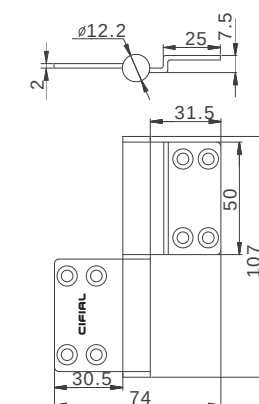


Model

■ ZHQ110

**product description:**

- Surface treatment: stainless steel wire drawing
- Adapting system: narrow edge bathroom door
- Technical parameters: maximum bearing 40kg/2PCS, the product has left and right



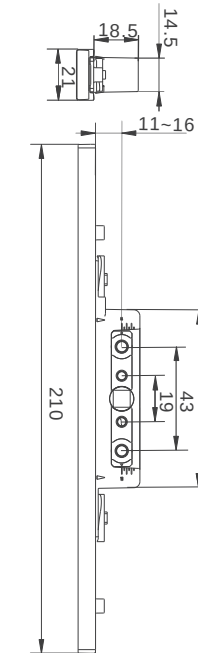
Model

■ ZSQ110-L/R

## TRANSMITTER

### product description:

- Surface color: black
- Adapting system: Swing door/sliding door
- Technical parameters: anti pull deflection, one-way single stroke. Suitable for conventional handle and non base handle
- Product feature:  
Stepless adjustment of center distance  
Adjustable range: 11mm-16mm

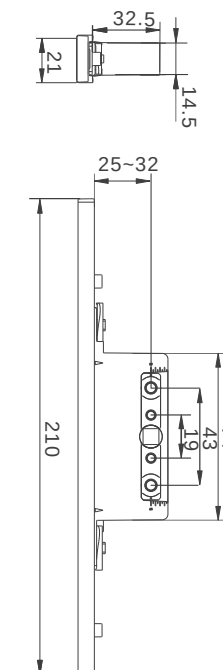


Model

■ Patented product: ZDA110T

### product description:

- Surface color: black
- Adapting system: Swing door/sliding door
- Technical parameters: anti pull deflection, one-way single stroke. Suitable for conventional handle and non base handle
- Product feature:  
stepless adjustment of center distance  
Adjustable range: 25mm-32mm



Model

■ Patented product: ZDA120T

## TRANSMITTER SERIES

Smooth opening

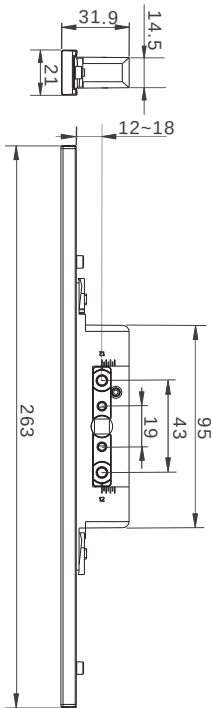
Stable performance

Center distance is adjustable

The pictures are for reference only,  
and the product is subject to the actual product



Model  
■ ZDA218T

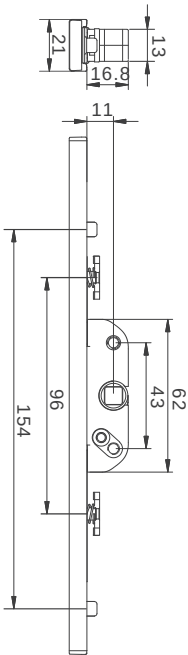


product description:

- Surface treatment: black
- Adapting system:  
Horizontal pivoting window
- Technical parameters: anti pull deflection, one-way double stroke, Suitable for conventional handle and non base handle
- Product feature  
Stepless adjustment of center distance  
Adjustable range 12mm-18mm



Model  
■ ZDA110N



product description:

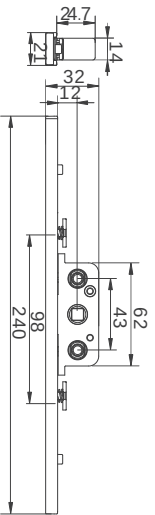
- Surface treatment: silver/black
- Adapting system:  
Swing door/sliding door
- Technical parameters:  
center distance 11, one-way single stroke

product description:

- Surface treatment: silver/black
- Adapting system:  
Horizontal pivoting window
- Technical parameters: center distance 12mm, anti pull deflection, one-way double stroke

Optional:

| Product code | Center distance |
|--------------|-----------------|
| ZDA212       | 12mm            |
| ZDA215       | 15mm            |



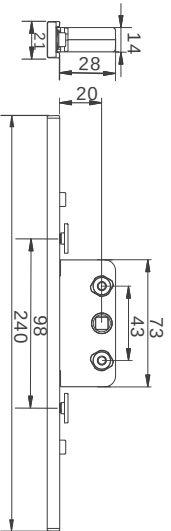
Model  
■ ZDA212

product description:

- Surface treatment: silver/black
- Adapting system:  
Swing door/sliding door
- Technical parameters:  
center distance 20, anti pull deflection, two-way single stroke

Optional:

| Product code | Center distance |
|--------------|-----------------|
| ZDB110       | 20mm            |
| ZDB111       | 25mm            |
| ZDB113       | 27.5mm          |
| ZDB130       | 30mm            |
| ZDB131       | 35mm            |



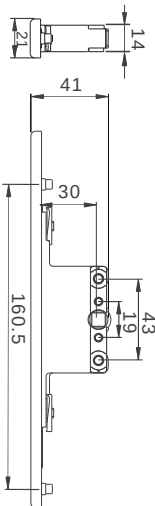
Model  
■ ZDB110

product description:

- Surface treatment: silver
- Adapting system:  
Swing door/sliding door
- Technical parameters:  
center distance 30, one-way single stroke

Optional:

| Product code | Center distance |
|--------------|-----------------|
| ZDA130       | 30mm            |
| ZDA125       | 25mm            |



Model  
■ ZDA130



## DOOR LOCK & COVER PLATE

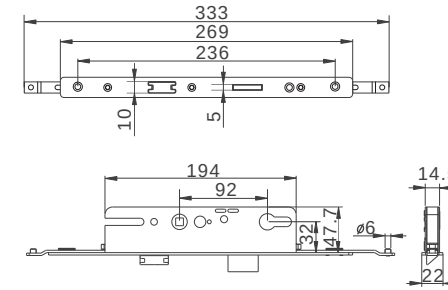
## SERIES

The pictures are for reference only,  
and the product is subject to the actual product

DOOR LOCK 

product description:

- Surface treatment: wire drawing
- Adapting system: flat door opening
- Technical parameters: center distance 32mm



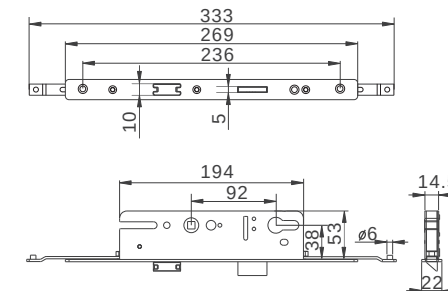
 door lock

Model

- Multi point lock model ZMS3292/I
- Single point lock model ZMS3292/II

product description:

- Surface treatment: wire drawing
- Adapting system: flat door opening
- Technical parameters: center distance 38mm



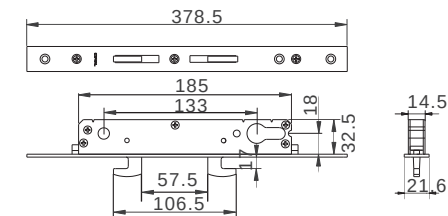
 door lock

Model

- Multi point lock model ZMS3892/I
- Single point lock model ZMS3892/II

product description:

- Surface treatment:  
wire drawing
- Adapting system:  
Sliding door
- Technical parameters:  
center distance 18mm



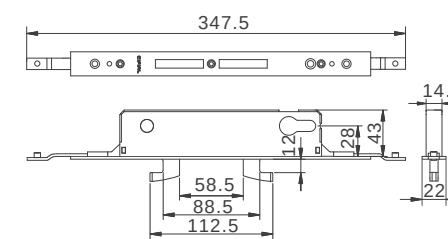
 hook lock

Model

- Single point lock model ZMSG1830/II

product description:

- Surface treatment: wire drawing
- Adapting system: Sliding door
- Technical parameters: center distance 28mm

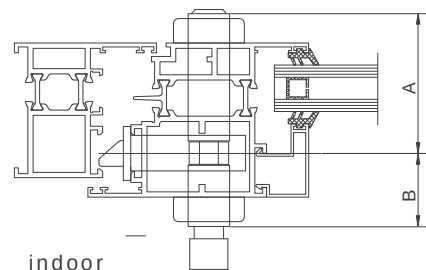


hook lock

Model

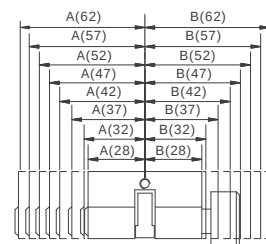
- Multi point lock model ZMSG2820/II
- Single point lock model ZMSG2820/II

## LOCK CORE



## product description:

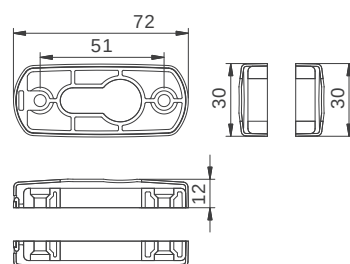
- Adapting system:  
Sliding door swing doors
- Technical parameters: used together with door lock and hook lock  
A is the dimension from the exterior wall (key end) to the center  
B is the dimension from the interior wall (handwheel end) to the center



Model

- ingle sided key ZMXAB/T
- Double sided key: ZMXAB

## LOCK CORE BOX



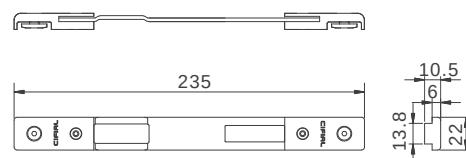
## product description:

- Surface treatment: Sanding treatment/microcrystalline coating
- Adapting system: Sliding door
- Technical parameters:  
Used in conjunction with lock cylinder

Model

- Amino baking paint: ZMH10
- anodic oxidation: ZMH10Y

## COVER PLATE



## product description:

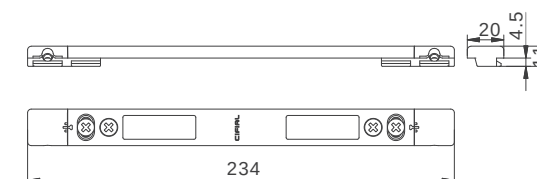
- Surface treatment: Sanding treatment/microcrystalline coating
- Adapting system: Casement window
- Technical parameters: Used in conjunction with door locks

Model

- C Notch: ZMK11

## product description:

- Surface treatment:  
Sanding treatment/  
microcrystalline coating
- Adapting system:  
Casement window
- Technical parameters: Used in conjunction with door locks

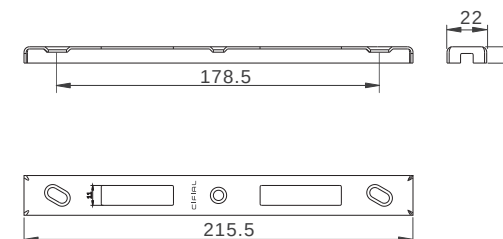


Model

- C Notch: ZMK12
- 23/27 Notch code ZMK12K

## product description:

- Surface treatment:  
Wire drawing
- Adapting system:  
Casement window
- Technical parameters: Used in conjunction with door locks

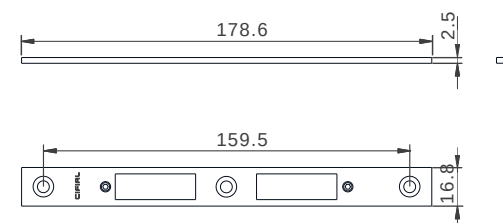


Model

- ZMK14

## product description:

- Surface treatment:  
Wire drawing
- Adapting system:  
Casement window
- Technical parameters: Used in conjunction with door locks

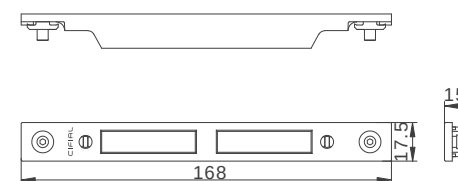


Model

- ZMK15

## product description:

- Surface treatment: Black
- Adapting system: Sliding door
- Technical parameters: Used in conjunction with hook locks



Model

- ZMK10

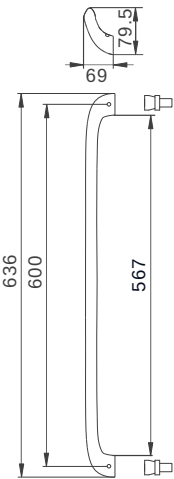


HANDLE &  
SLIDING LOCK  
SERIES

HANDLE

product description:

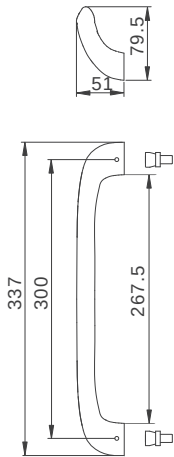
- Surface treatment: anodic oxidation
- Adapting system: Sliding door
- Technical parameters: the center distance is 600mm



Model  
▪ anodic oxidation: ZTL10Y

product description:

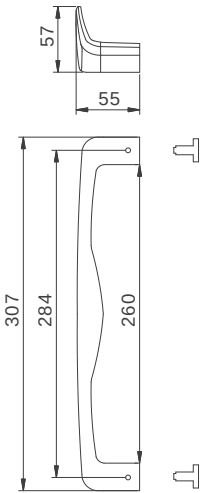
- Surface treatment: anodic oxidation
- Adapting system: Sliding door
- Technical parameters: the center distance is 300mm



Model  
▪ anodic oxidation: ZTL11Y

product description:

- Surface treatment: amino baking varnish
- Adapting system: Sliding door
- Technical parameters: the center distance is 284mm



Model  
▪ amino baking varnish: ZTL20

The pictures are for reference only,  
and the product is subject to the actual product

COLORS

KQ Fashion Silver KQ Starry Grey KQ bronze KQ light inky black

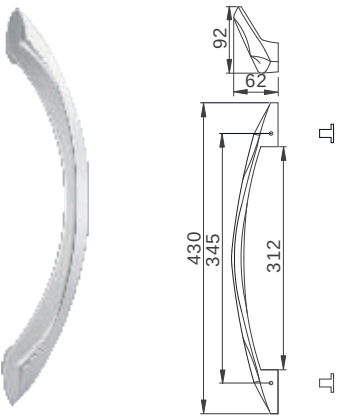
• The product adopts an amion baking varnish surface treatment process



Model

- amino baking varnish: ZTL30

SLIDING LOCK

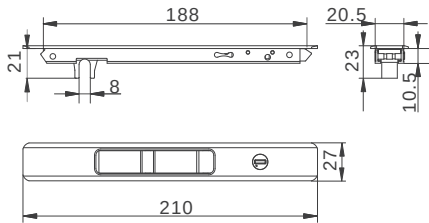


product description:

- Surface treatment: amino baking varnish
- Adapting system:
- Sliding door
- Technical parameters: the center distance is 345mm

Model

- With lock cylinder: ZTS210S
- No lock cylinder: ZTS210

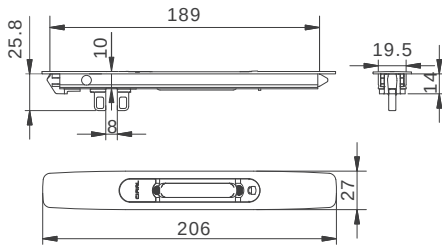


product description:

- Surface treatment: amino baking varnish
- Adapting system: Sliding D&W
- Technical parameters: adaptive profile thickness 25-35mm, multi-point locking

Model

- No lock cylinder: ZTS211
- With lock cylinder: ZTS211S

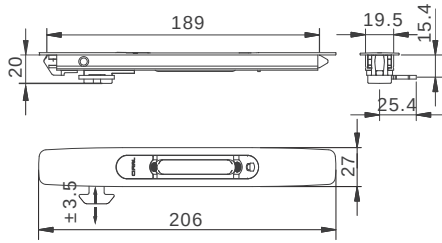
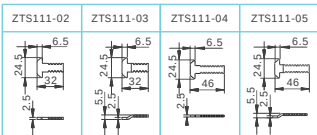


product description:

- Surface treatment: amino baking varnish
- Adapting system: Sliding D&W
- Technical parameters: the minimum thickness of adaptive profile is 30mm, multi-point locking, and the key cannot be fully opened

Model

- No lock cylinder: ZTS111
- Automatic lock without lock cylinder: ZTS111



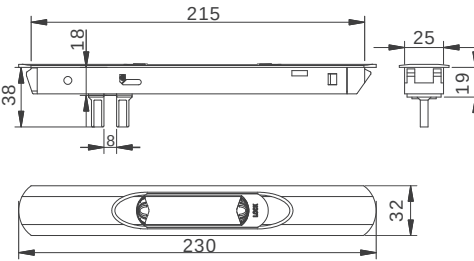
- With lock cylinder: ZTS111S
- Automatic lock belt lock cylinder: ZTS111KS

product description:

- Surface treatment: amino baking varnish
- Adapting system: Sliding D&W
- Technical parameters: the minimum thickness of the adaptive profile is 30mm, The key cannot be fully opened, and the locking hook needs to be ordered separately

product description:

- Surface treatment: amino baking varnish
- Adapting system: Sliding D&W
- Technical parameters: the minimum thickness of the adaptive profile is 45mm, and the single point/multi-point locking function

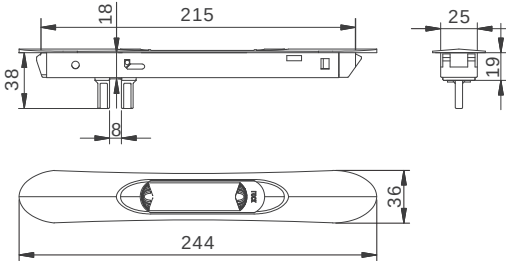


Model

- amino baking varnish: ZTS212

product description:

- Surface treatment: amino baking varnish
- Adapting system: Sliding D&W
- Technical parameters: the minimum thickness of adaptive profile is 45mm, and the single point/multi-point locking function

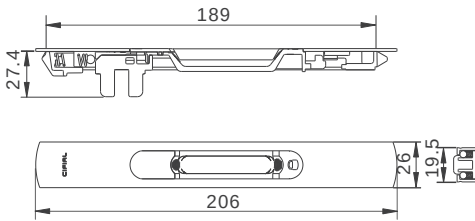


Model

- amino baking varnish: ZTS213

product description:

- Surface treatment: amino baking varnish
- Adapting system: Sliding D&W
- Technical parameters: adaptive profile thickness 25-35mm



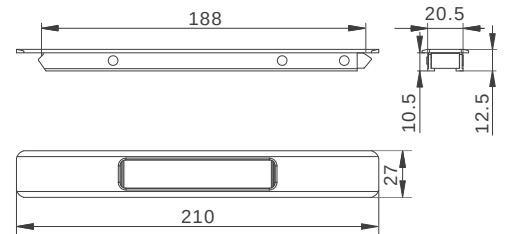
Model

- No lock cylinder: ZTS215
- Automatic lock without lock cylinder: ZTS215K

DECORATIVE SLIDING HANDLE

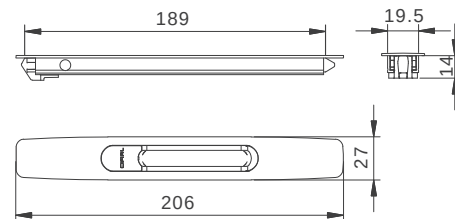
product description:

- Surface treatment: amino baking varnish
- Adapting system: Sliding D&W
- Technical parameters: adaptive profile thickness ≥ 25mm



Model

- amino baking varnish: ZTK10

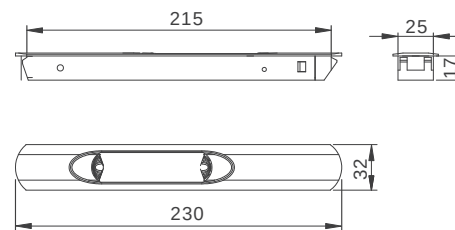


## product description:

- Surface treatment: amino baking varnish
- Adapting system: Sliding D&W

Model

■ amino baking varnish: ZTK11

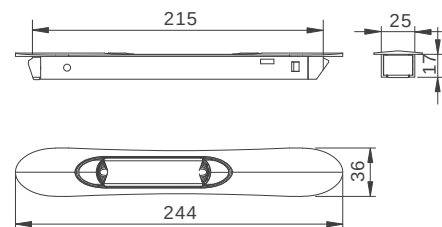


## product description:

- Surface treatment: amino baking varnish
- Adapting system: Sliding D&W
- Technical parameters: the minimum thickness of adaptive profile is 45mm

Model

■ amino baking varnish: ZTK12

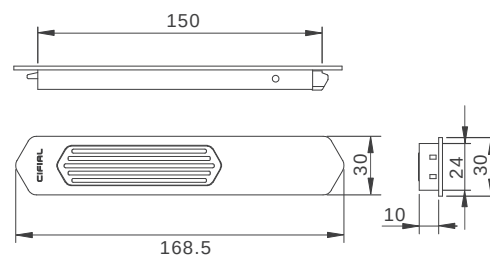


## product description:

- Surface treatment: amino baking varnish
- Adapting system: Sliding D&W
- Technical parameters: the minimum thickness of adaptive profile is 45mm

Model

■ amino baking varnish: ZTK13



## product description:

- Surface treatment: amino baking varnish
- Adapting system: Sliding door

Model

■ amino baking varnish: ZTK15

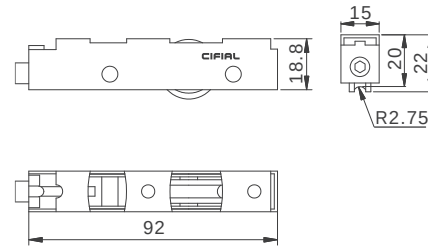
## POLLER

## SERIES



The pictures are for reference only,  
and the product is subject to the actual product

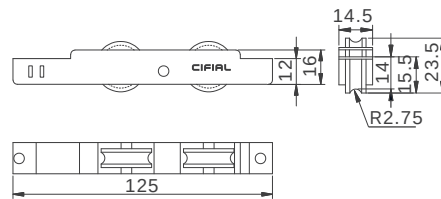
## POLLER



Model  
■ ZRC110

## product description:

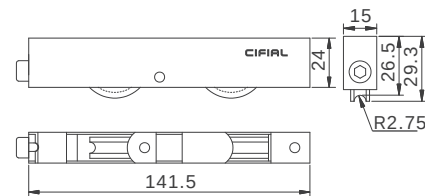
- Surface treatment: wire drawing
- Adapting system: sliding window
- Technical parameters: maximum load bearing 30kg/2PCS, adjustable height of 5mm



Model  
■ ZRC210

## product description:

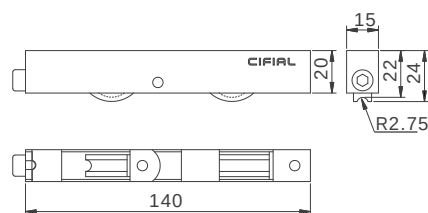
- Surface treatment: wire drawing
- Adapting system: sliding window
- Technical parameters: maximum load bearing 40kg/2PCS, adjustable height of 3mm



Model  
■ ZRM210

## product description:

- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 80kg/2PCS, adjustable height of 7mm



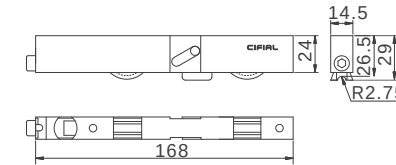
Model  
■ ZRM211

## product description:

- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 60kg/2PCS, adjustable height of 5mm

## product description:

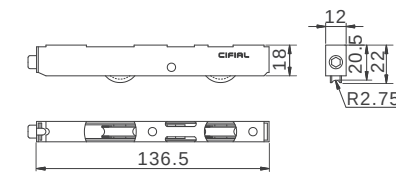
- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 80kg/2PCS, adjustable height of 7mm



Model  
■ ZRM212

## product description:

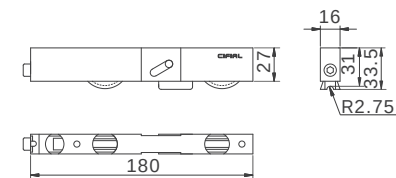
- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 60kg/2PCS, adjustable height of 3mm



Model  
■ ZRM213

## product description:

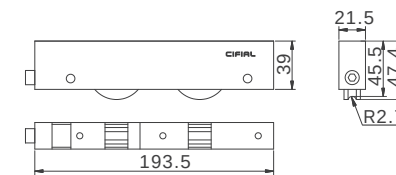
- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 100kg/2PCS, adjustable height of 6mm



Model  
■ ZRM214

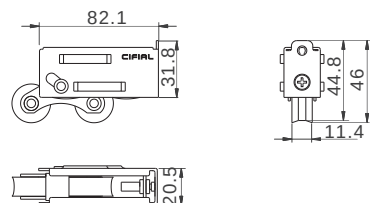
## product description:

- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 200kg/2PCS, adjustable height of 10mm



Model  
■ ZRM215

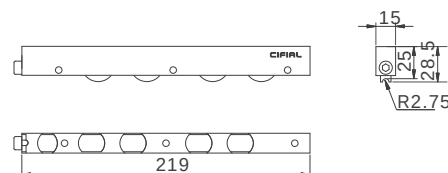


**product description:**

- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 110kg/2PCS, adjustable height of 3mm

Model

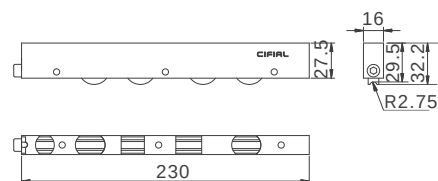
■ ZRM216

**product description:**

- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 120kg/2PCS, adjustable height of 7mm

Model

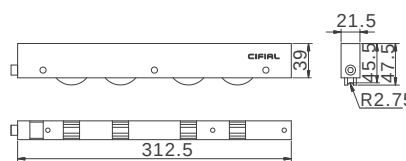
■ ZRM410

**product description:**

- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 200kg/2PCS, adjustable height of 7mm

Model

■ ZRM411

**product description:**

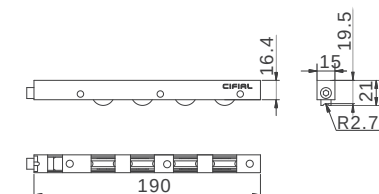
- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 300kg/2PCS, adjustable height of 10mm

Model

■ ZRM412

**product description:**

- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 100kg/2PCS, adjustable height of 5mm

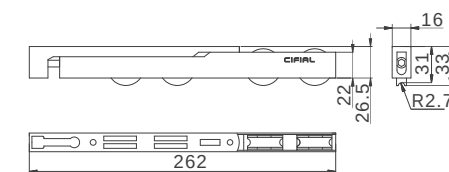


Model

■ ZRM413

**product description:**

- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 200kg/2PCS, adjustable height of 6mm

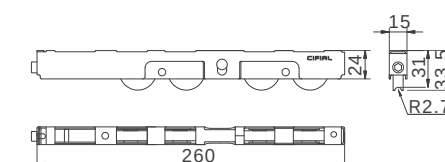


Model

■ ZRM414

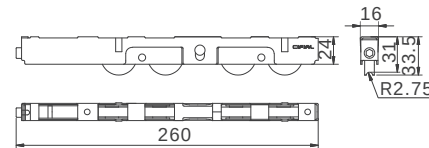
**product description:**

- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 160kg/2PCS, adjustable height of 5mm



Model

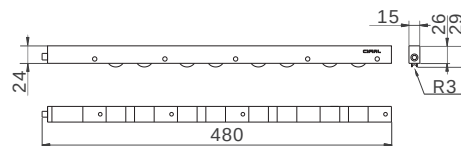
■ ZRM415

**product description:**

- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 160kg/2PCS, adjustable height of 5mm

**Model**

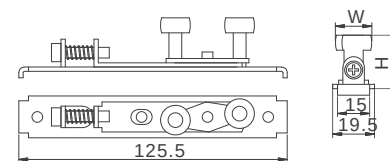
■ ZRM416

**product description:**

- Surface treatment: wire drawing
- Adapting system: sliding door
- Technical parameters: maximum load bearing 300kg/2PCS, adjustable height of 7mm

**Model**

■ ZRM810

**GUIDE PULLEY AND BOUNCE WHEEL****GUIDE PULLEY****product description:**

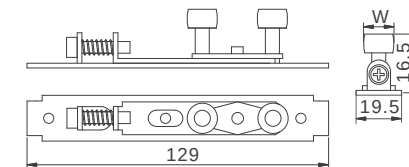
- Surface treatment: stainless steel natural color
- Adapting system: push-pull
- Technical parameters: W=13-24mm, H optional 19-29mm, with 2 as the advanced unit

**Model**

■ ZDL110

**GUIDE PULLEY****product description:**

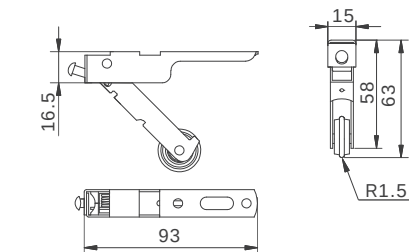
- Surface treatment: stainless steel natural color
- Adapting system: sliding door
- Technical parameters: W=13-24mm, H optional 19-29mm, with 2 as the advanced unit

**Model**

■ ZDL111

**product description:**

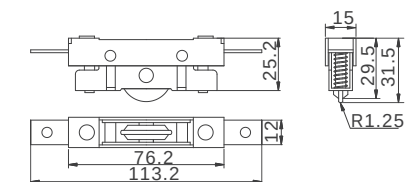
- Surface treatment: stainless steel natural color
- Adapting system: sliding door
- Technical parameters: the compressibility is 38mm

**Model**

■ ZDL210

**product description:**

- Surface treatment: stainless steel natural color
- Adapting system: sliding door
- Technical parameters: the compressibility is 12mm

**Model**

■ ZDL211



LOCKING PLATE  
AND LATCH

SERIES



The pictures are for reference only,  
and the product is subject to the actual product



ergonomics



Full color

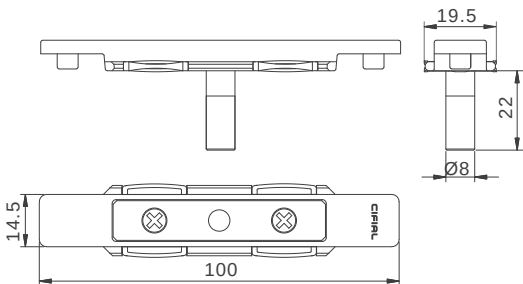


Smooth opening

MAIN TRANSMISSION ROD

product description:

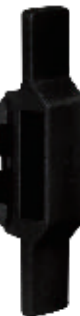
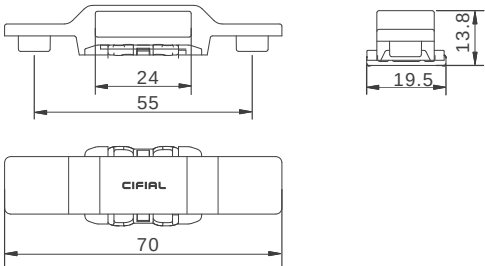
- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window
- Technical parameters: pin length can be customized (standard 22mm)



Model  
▪ ZGZ10

product description:

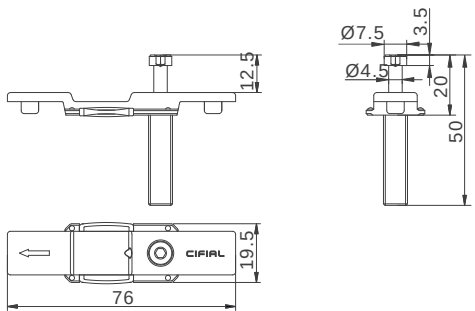
- Surface treatment: microcrystalline coating (black)
- Adapting system: Open-in casement window/Horizontal pivoting window
- Technical parameters: used together with the internal split fork handle



Model  
▪ ZGZ11

product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: sliding door/window
- Technical parameters: pin length can be customized (standard total length is 50mm)

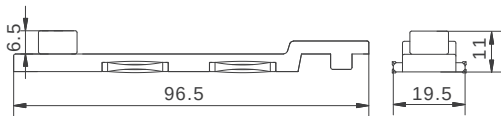


Model  
▪ ZGZ12

MARGIN TRANSMISSION ROD

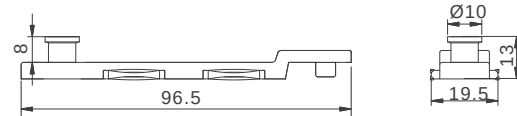
product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window
- Product features: rolling lock point



Model  
▪ ZGB10G



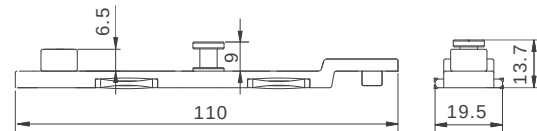


## product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window
- Product features: rolling mushroom head lock point, anti-theft and anti prying

Model

■ ZGB10M

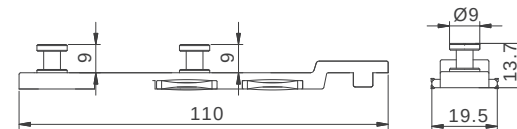


## product description:

- Adapting system: Casement window
- Surface treatment: microcrystalline coating (black)
- Technical parameters: matching with the lock block ZLP112-L/R
- Product features: anti-theft and anti prying

Model

■ ZGB12

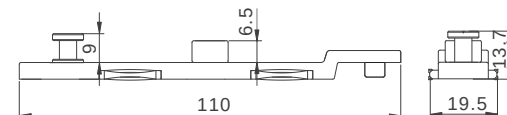


## product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window
- Technical parameters: matching with the lock block ZLP15-L/R

Model

■ ZGB12M



## product description:

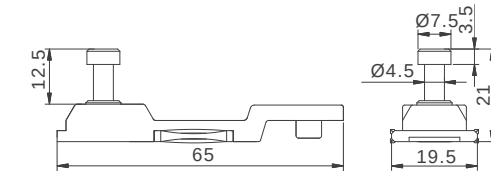
- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window
- Technical parameters: mainly used for one-way transmission, used with ZLP112-L/R

Model

■ ZGB13

## product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: sliding door/window
- Technical parameters: the adjustable range of standard lock point height is 12mm-13mm, and the lock point height can be customized

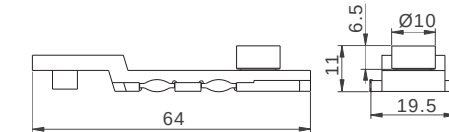


Model

■ ZGB14M

## product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window
- Technical parameters: rolling lock point

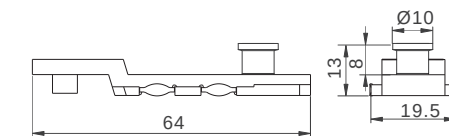


Model

■ ZGB15G

## product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window
- Technical parameters: rolling mushroom head lock point, anti-theft and anti prying

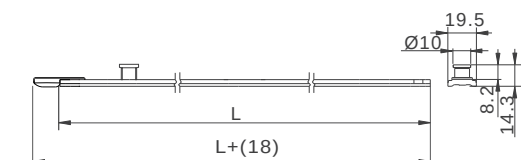


Model

■ ZGB15M

## product description:

- Adapting system: Casement window
- Product features: rolling lock point, smooth transmission, L value: 200-700mm



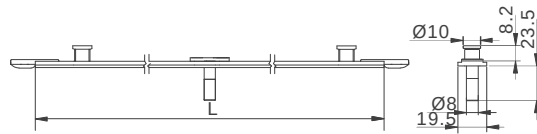
Model

■ ZGL50M-L



Model

■ ZGL10M-L



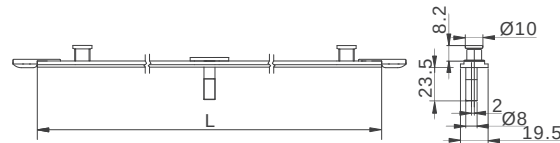
product description:

- Adapting system: Casement window
- Technical parameters: L value: 500-1700mm, pin length can be customized (standard: 23.5mm)
- Product features: rolling mushroom head lock point



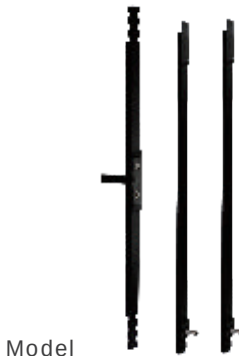
Model

■ ZGL11M-L



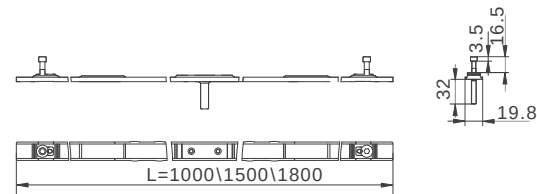
product description:

- Adapting system: Casement window
- Technical parameters: L value: 500-1700mm, pin eccentricity: 2mm, pin length can be customized (standard: 23.5mm)
- Product features: rolling mushroom head lock point



Model

■ ZGS10M-L



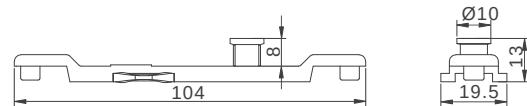
product description:

- Adapting system: Sliding door
- Technical parameters: the height of the locking point can be customized (standard 16.5mm), The exposed length of pin shaft cannot be customized (L=1000/1500/1800)



Model

■ ZGZ20M



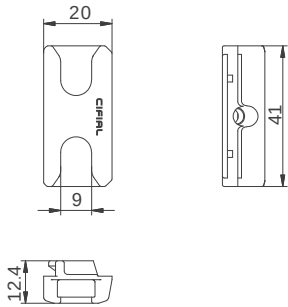
product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window
- Technical parameters: rolling mushroom head lock point, anti-theft and anti prying

LOCKING PLATE

product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window
- Technical parameters: matching with transmission rod ZGB10M



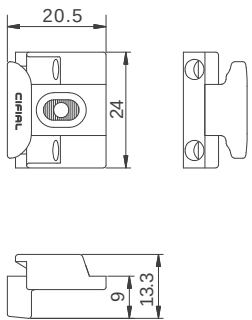
Model

■ C Notch: ZLP110  
■ 23/27 Notch code ZLP110K



product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window
- Technical parameters: adjustment amount  $\pm 1.5$



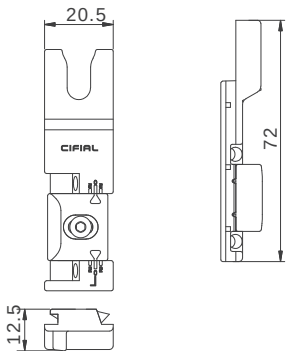
Model

■ C Notch: ZLP111  
■ 23/27 Notch code ZLP111K



product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window
- Technical parameters: adjustment amount  $\pm 1.5$ , the product has left and right



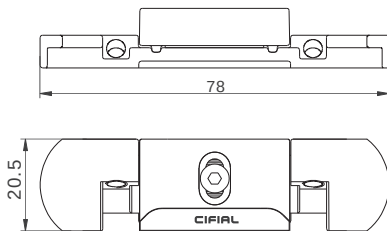
Model

■ C Notch: ZLP112-L/R  
■ 23/27 Notch code ZLP112K-L/R



product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: integrated doors and windows



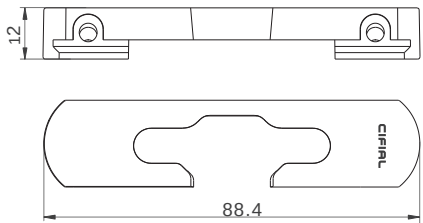
Model

■ ZLP114





Model  
■ ZLP115

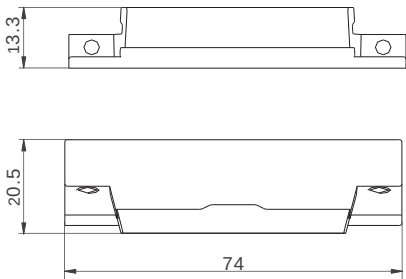


product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: integrated doors and windows



Model  
■ ZLP116

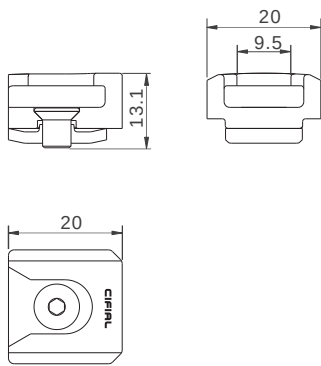


product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: integrated doors and windows



Model  
■ ZLP120

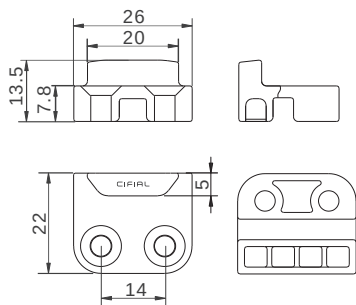


product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window



Model  
■ ZLP121

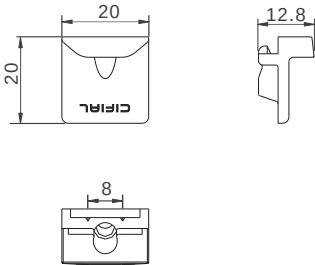


product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window

product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Casement window

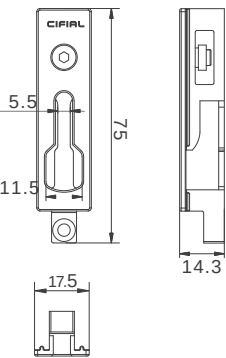


Model  
■ C Notch: ZLP125

LATCH SERIES

product description:

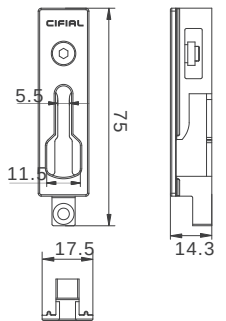
- Surface treatment: microcrystalline coating (black)
- Adapting system: Sliding door
- Technical parameters: Fixing mode of clamping plate+self tapping screw



Model  
■ ZLM211

product description:

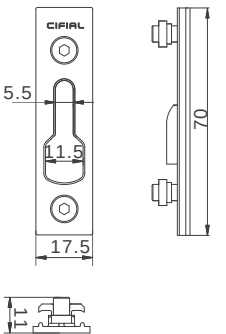
- Surface treatment: stainless steel natural color
- Adapting system: Sliding door
- Technical parameters: Fixing mode of clamping plate+self tapping screw
- Product material: stainless steel



Model  
■ ZLM212

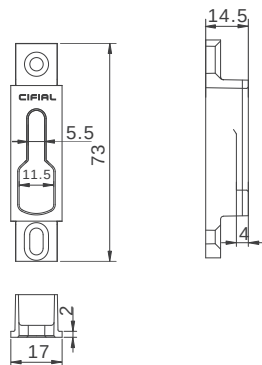
product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Sliding door
- Technical parameters: double clamping plate fixing mode



Model  
■ ZLM213

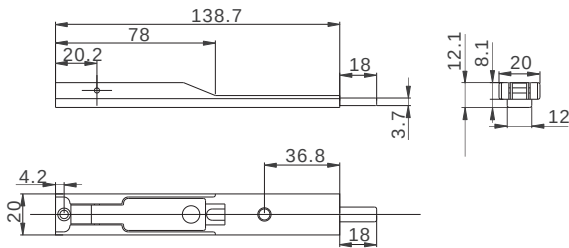




Model  
■ ZLM214

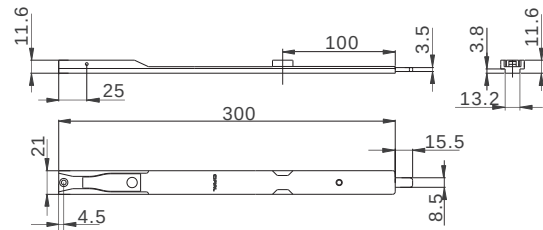
OTHERS

INSERT PIN



Model  
■ ZCX15

INSERT PIN



Model  
■ ZMCX10

product description:

- Surface treatment: microcrystalline coating (black)
- Adapting system: Sliding door
- Technical parameters: self tapping screw fixation

product description:

- Adapting system: double door opening

product description:

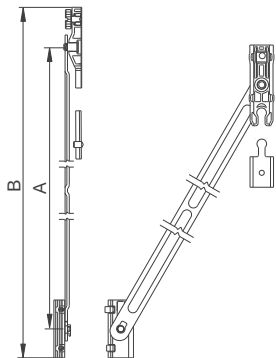
- Adapting system: double door opening

product description:

- Product material: stainless steel plastic
- Adapting system: Horizontal pivoting window& casement window
- Technical parameters: the lock base and connecting rod can be separated, which is convenient for window cleaning and maintenance, and limits the opening angle of window sash

optional:

| Model    | A   | B   | Applicable window sash width | Opening angle |
|----------|-----|-----|------------------------------|---------------|
| ZFX10-12 | 285 | 364 | 500                          | Custom        |
| ZFX10-14 | 335 | 414 | 600                          |               |
| ZFX10-16 | 386 | 443 | 700                          |               |



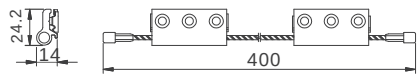
Limiter



Model  
■ ZFX10

product description:

- Surface treatment: YH Fashion Silver
- Adapting system: Open-out
- Technical parameters: when the frame is separated from the sash, it can effectively prevent the sash from falling off. When the wind force is  $\geq 5$ , close the window



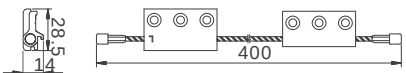
ANTI STRIPPING DEVICE



Model  
■ C Notch : ZFT11

product description:

- Surface treatment: YH Fashion Silver
- Adapting system: Open-out
- Technical parameters: when the frame is separated from the sash, it can effectively prevent the sash from falling off. When the wind force is  $\geq 5$ , close the window

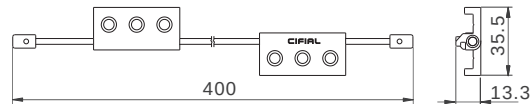


ANTI STRIPPING DEVICE



Model  
■ 23/27 Notch code ZFT11K-L/R

ANTI STRIPPING DEVICE

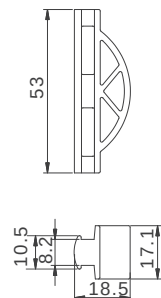


- product description:
- Adapting system:  
Open-out casement window
  - Technical parameters:  
when the window frame is separated from the sash, it can effectively prevent the sash from falling off. When the wind force is  $\geq 5$ , close the window

Model

- C Notch : ZFT12
- 23/27 Notch code ZFT12K-L/R

Collision block

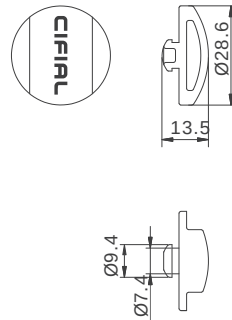


- product description:
- Adapting system:  
sliding door
  - Installation position:  
mounted on the frame

Model

- ZFZ10

Collision block



- product description:
- Adapting system:  
sliding door
  - Installation position:  
installed on the sash

Model

- ZFZ11

ACCESSORIES



cornor sensor ZJ110



cornor sensor ZJ320



anti detachment block ZFK10



flip support ZCX10A



support seat ZLC15



SUPPORT BLOCK ZLC11A



support seat ZLC10  
23/27notch: ZLC10K

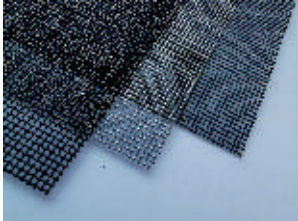


Middle locking plate: ZLP113

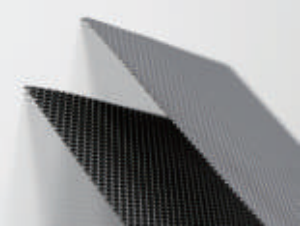
YARN MESH



High definition invisible screen



Apennine high strength alloy mesh



Security Window Screening 304/316



Glass fiber mesh