

Aluminium Door & Window Hardware Typical Product Catalogue



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Features & Order & Maintenance of Kin Long Aluminium Door and Window Hardware

I、Features

- 1. Convenient operation by single point control**
All function is achieved by changing the position of handle
- 2. Standardization and systematization**
Speedy installation for production enterprises and construction companies
- 3. Adjustability**
Multi-adjustable function,all hardware can be suitable for both left and right installation if no special requirements
- 4. Best load bearing capacity**
It can accommodate 130kg for a window sash and 300kg for a door sash in maximum
- 5. High security**
Lock point is barbed on lock block of frame, and the top end of friction stay bracket arm is perfectly integrated with the wrap angle, realizing locking function as well as enhancing the security
- 6. Wide application**
Meet various opening requirements from customers
- 7. Strong applicability**
It can be used to profile with standard european C groove or without groove in current market
- 8. High quality specification**
Products are made of high quality S.S304, zinc alloy and Aluminium alloy castings, with galvanization or spray -paint surface finish. Some components are made of high quality of nylon PA66 and POM.

II、Product ordering instructions

- 1. The product needs to be ordered as a set. if it is ordered separately, the feasibility of the product must be confirmed with the technical department to ensure the quality and performance of the product.**

III、Instructions for products maintenance

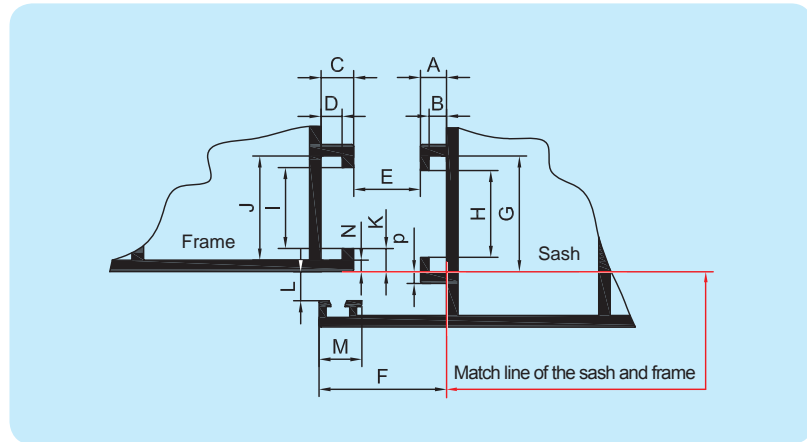
1. Insure the best using state of products, please arrange main tenance termly. Products installed at alpine region should be maintained before winter .
 2. Maintenance cycle of product moving parts and friction parts is 6 months, if screw loose or abrasion, please fasten, repair or replace it in time, so avoid to affect the normal use.
 3. Accessories such as handles, hinges, friction stay , rollers, etc., which are related to opening and closing, should be decontaminated or dedusted regularly and lubrication is required to keep cleaned and clog-free if needed. It is forbidden to use corrosive chemicals to clean hardware, such as acetone, xylene, etc.
 4. Windows and doors will have adverse phenomenon after the lon g-term use, such as edge failure, sagging, big gap etc, these can be solved by adjusting hardware.
- ★ Product technical parameters, pictures in catalogue are just for reference only, and actual application please in kind prevail
 - ★ Hardware load bearing capacity is related to the doors and windows material, glass thickness, height to width proportion, for non-standard window type, please contact our technical service person.
 - ★ The bearing capacity of the hardware in the catalogue is related to the parameters of the door and window material, glass thickness, height-to-width ratio, etc. when choosing an unconventional window type, please contact our technical staff.
 - ★ The applicable window type parameters shown in the catalogue are based on the laboratory test environment and historical application experience. Please perform trial installation and confirmation according to the actual application conditions of the project. The parameters in this atlas are not for the basis for any litigation and compensation

Design Requirement Matching Groove Between Door&Window Profile With Hardware

1. Profile dimension requirement for open-in side-hung window and turn-and-tilt window

Note: All sizes are the status after surface treatment (like electrophoresis, spay coating etc.)

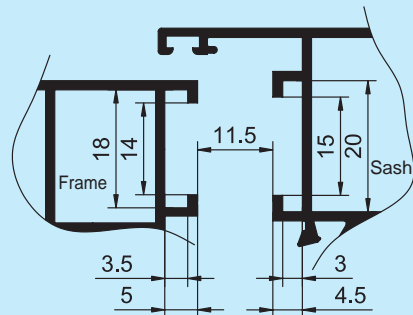
■ Standard 20C groove profile



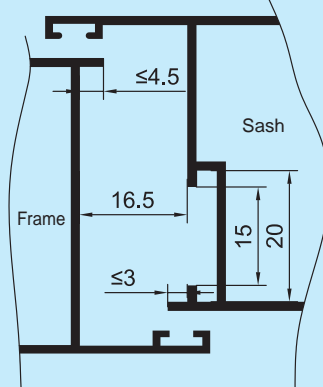
A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
4.5	3	5	3	11.5	22	20 ^{+0.3} _{-0.1}	15 ^{+0.3} _{-0.1}	14 ^{+0.3} _{-0.1}	18 ^{+0.3} _{-0.1}	4	5	7.5	2	2

2. Profile dimension requirement for open-out side-hung window and top-hung window

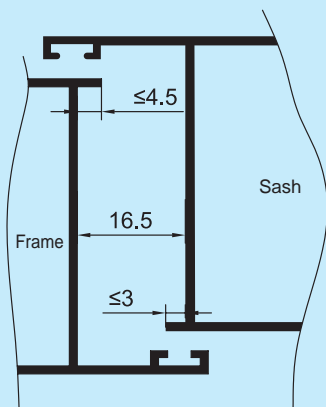
■ Standard 20C groove profile



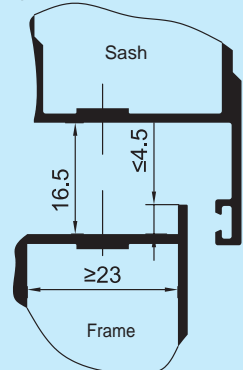
■ Single side C groove profile



■ Non-groove profile



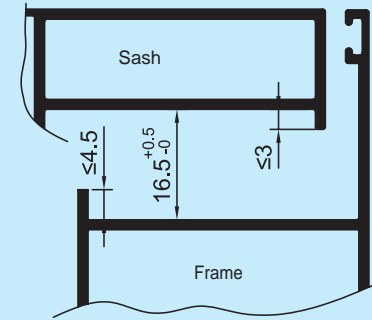
■ Dimension required for friction stay installation



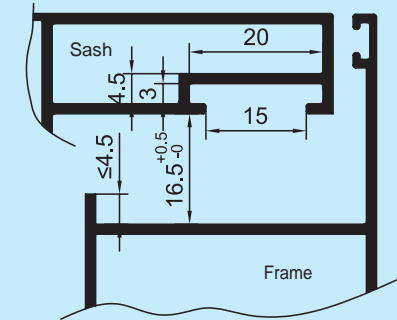
Design Requirement Matching Groove Between Door&Window Profile With Hardware

3. Profile dimension requirement for top-hung window

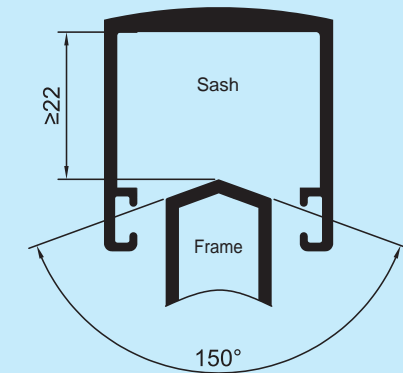
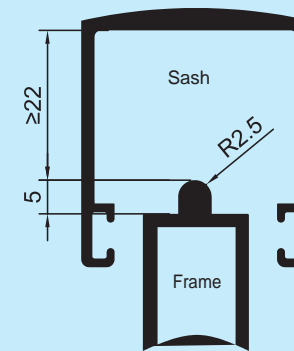
■ Non-groove profile



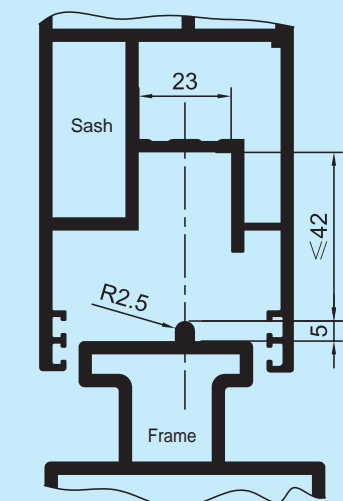
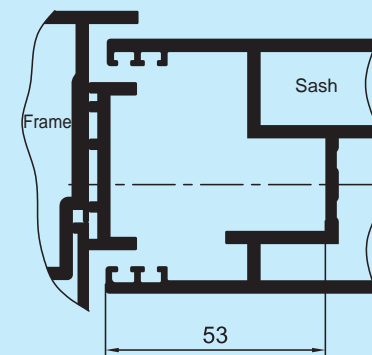
■ Single side C groove profile



4. Standard sliding window&door profile



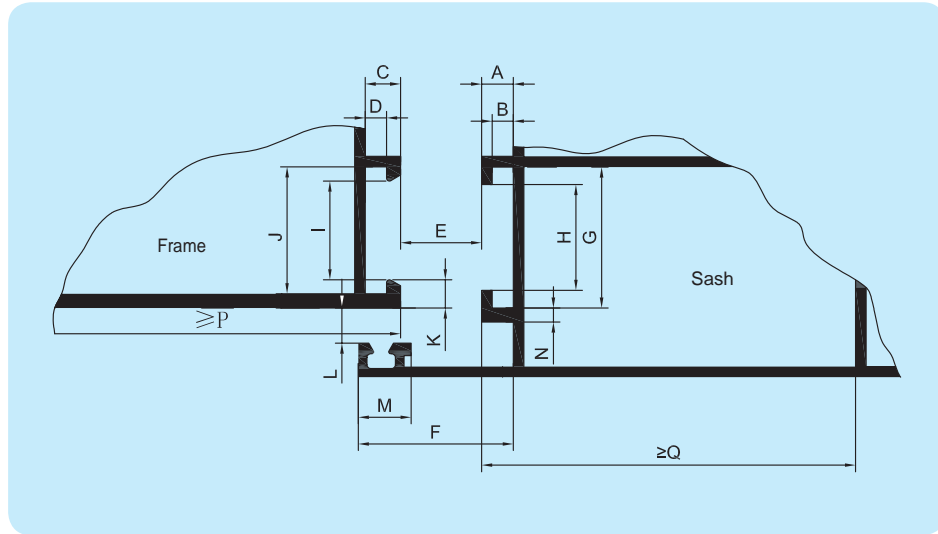
5. Standard lift-sliding door profile



Design Requirement Matching Groove Between Door&Window Profile With Hardware

6. Profile dimension requirement for side-hung door with european standard 20C groove

Note: All sizes are the status after surface treatment (like electrophoresis, spay coating etc.)



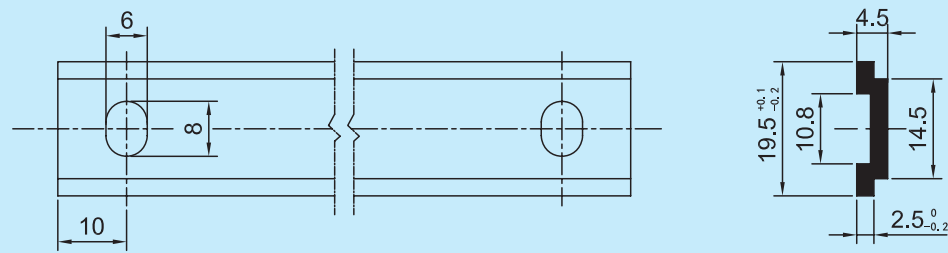
A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q
4.5	3	5	3	11.5	22	20 ^{+0.3} _{-0.1}	15 ^{+0.3} _{-0.1}	14 ^{+0.3} _{-0.1}	18 ^{+0.3} _{-0.1}	4	5	7.5	2	45	53

I、Aluminium Window Series

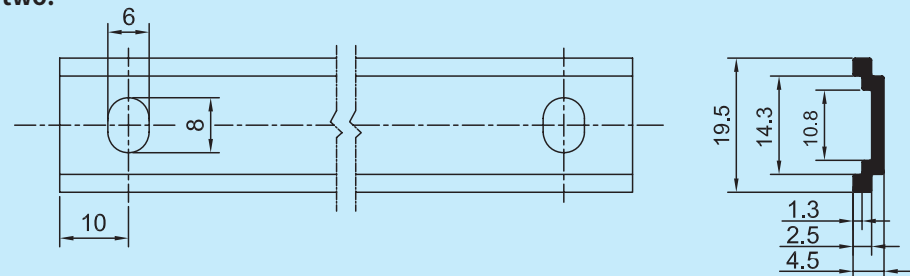


7. Transmission aluminium rod dimension requirement for european standard 20C groove

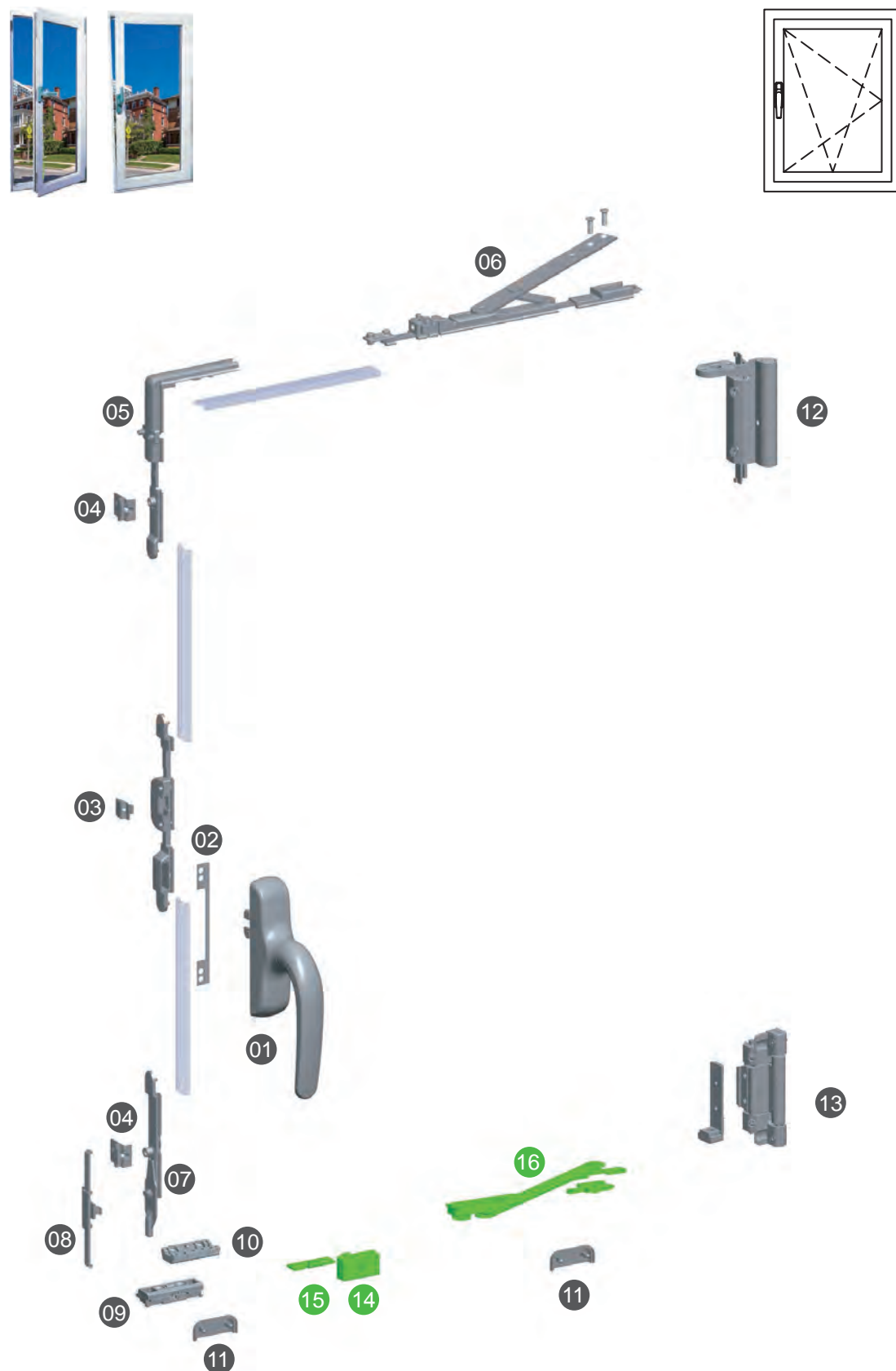
■ Type one:



■ Type two:



**1-1 NPD100 Series Turn-and-Tilt Window With Multi-Point Lock on 2 Sides
(Industry Recommendatory Series)**



Hardware Configuration for NPD100 Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS38	1	Optional ①
02	Loose preventer	FSP10	1	
03	Misuse preventer	FWG10A	1	Include small locking plate
04	Locking plate	ZA1-6A	2	②
05	Corner device	ZA1	1	
06	Small connector rod	LG11	1	③
07	Overturn supporter	N50	1	
08	Preventer	N31	1	
09	Supporting block	LN54	1	
10	Cushion block	N33A	1	
11	Waterproof cap	FSG-01	2	
12	Upper pivot hinge	NDHA10A	1	Left & right ④
13	Bottom pivot hinge	NDHB10B	1	
14	Safety device	AQS10	1	⑤
15	Locking plate	SK29	1	
16	Limiter	LPX14	1	The length depends on window dimension

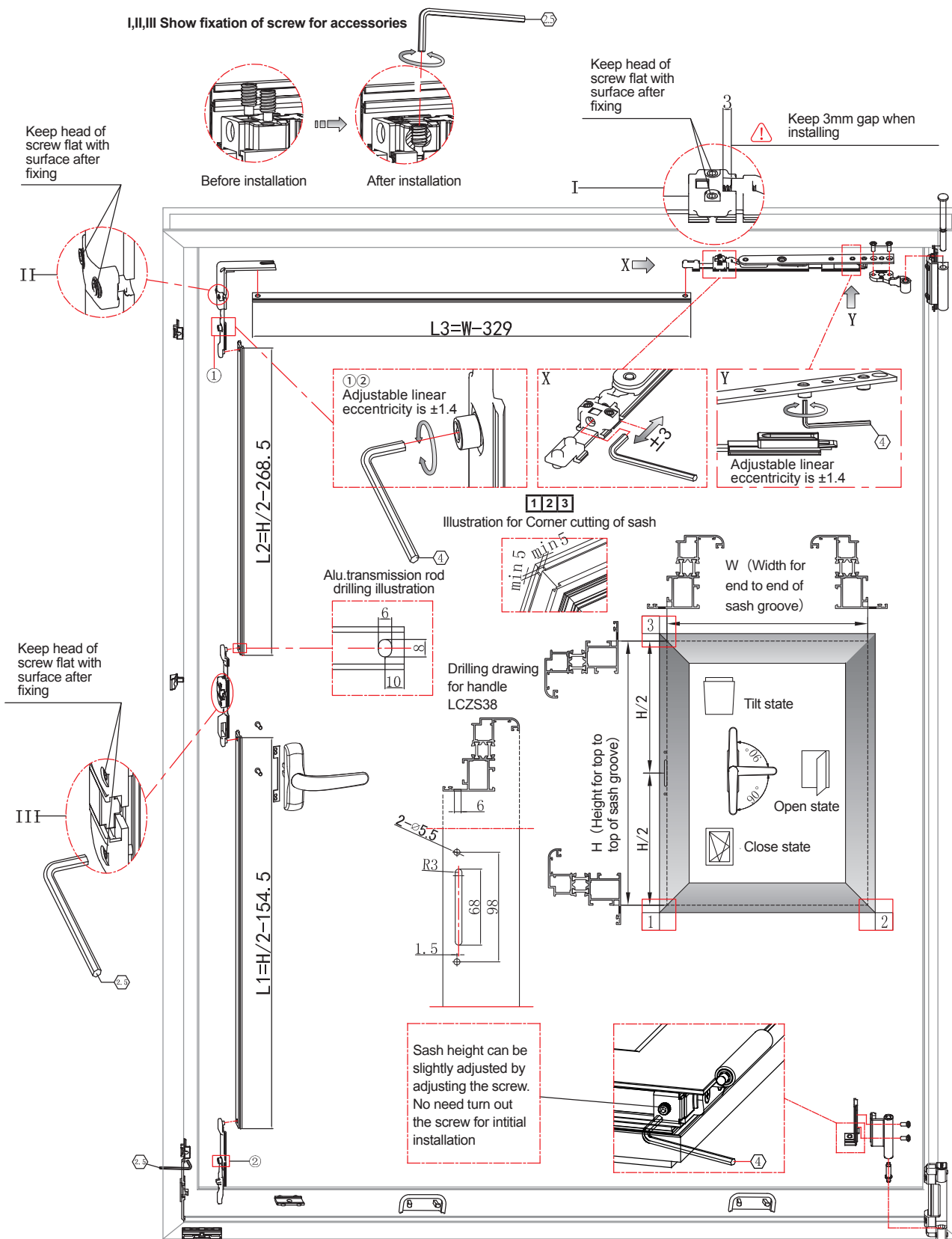
Optional handles for reference:

Handle LCZS39	Handle LCZS66	Handle CZS08	Handle CZS20	For more handles
				<p>please refer to pages 94~111 of this catalogue.</p>

Configuration instruction:

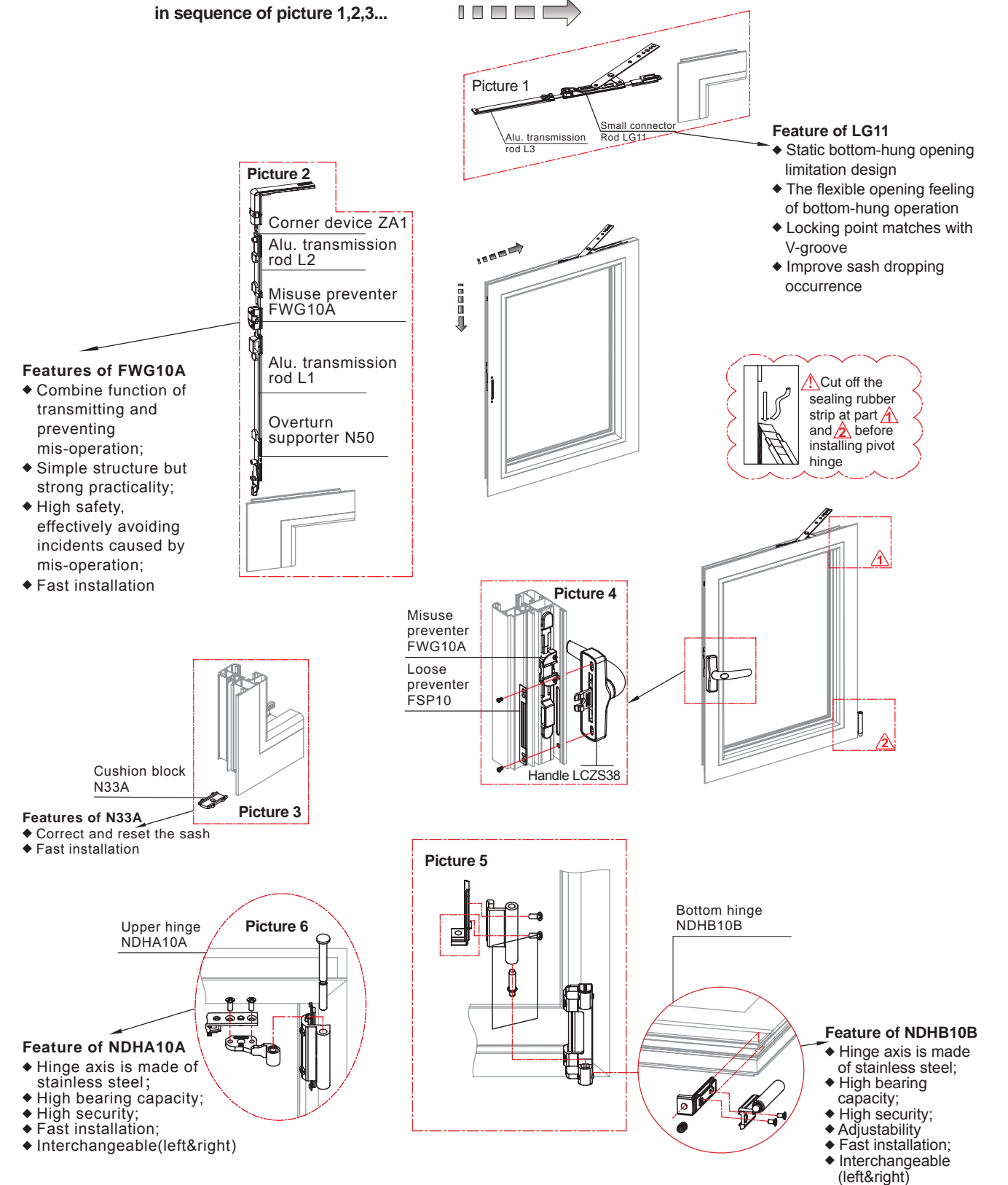
- ① Customers can select preferable handles by taking reference of handle series .
- ② Recommended distance between lock points should be $\leq 400\text{mm}$.
- ③ Sash dimensions as follow:width 450-650mm, height 600-1800mm, when width is 320-450mm, item of number 6 can be changed to LG12.If you need to increase the inverting distance, you can replace the 6# accessories with LG13, and the corresponding small-size window type can be equipped with LG23.(height and width refer to the distance between the edge of window sash.)
- ④ Bearing capacity: $\leq 90\text{Kg}$, in order to maintain the best use state, it is recommended that the width and height ratio of the window to be kept at about 1:1.5.
- ⑤ The Items with green color are optional hardware.
- ★ Please refer to pages 18~19 of this booklet for the opening and installation instructions of the child safety lock.
- ★ It is recommended to use with the casement window limiter to achieve the best effect. For the optional installation requirements of the limiter, please refer to the limiter series on pages 133~135 of this atlas.
- ★ For the installation and adjustment of the product, please refer to pages 8~9 of this catalogue.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

NPD100 Series Adjustment Illustration for Turn-and-Tilt Window With Multi-point Lock on 2 Sides

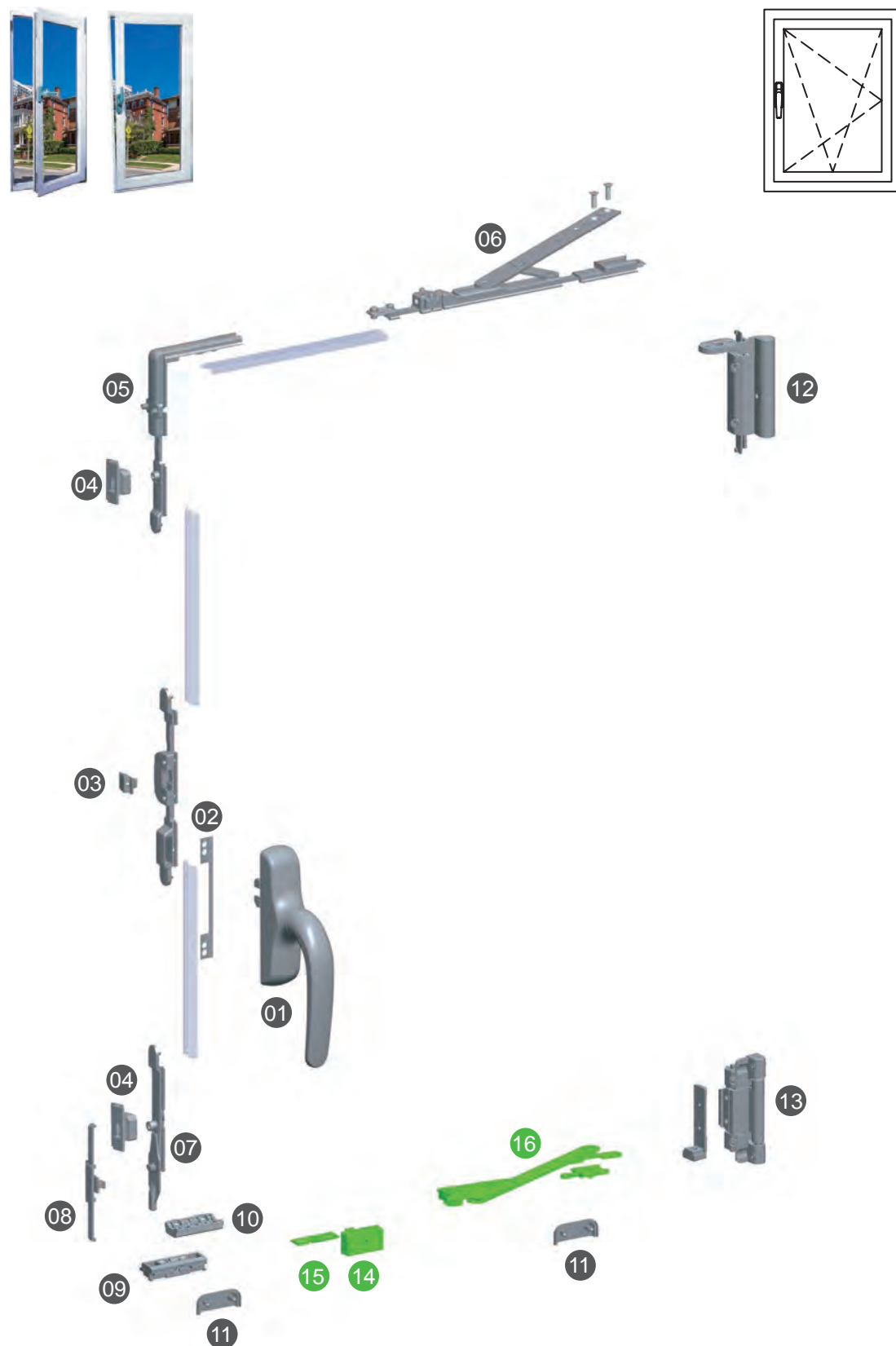


NPD100 Series Installation Illustration for Turn-and-Tilt Window With Multi-point Lock on 2 Sides

Installation sequence for hardware in sequence of picture 1,2,3...



**1-2 NPD100T Series Turn-and-Tilt Window With Multi-Point Lock on 2 Sides
(Anti-prying& Anti-theft)**



Hardware Configuration for NPD100T Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS38	1	Optional ①
02	Loose preventer	FSP10	1	
03	Misuse preventer	FWG10A	1	Include small locking plate
04	Locking plate	SK38	2	Left & right ②
05	Corner device	ZA1T	1	
06	Small connector rod	LG11	1	③
07	Overturn supporter	N50T	1	
08	Disengagement preventer	N31	1	
09	Supporting block	LN54	1	
10	Cushion block	N33A	1	
11	Waterproof cap	FSG-01	2	
12	Upper pivot hinge	NDHA10A	1	Left & right ④
13	Bottom pivot hinge	NDHB10B	1	
14	Safety device	AQS10	1	⑤
15	Locking plate	SK29	1	
16	Limiter	LPX14	1	The length depends on window dimension

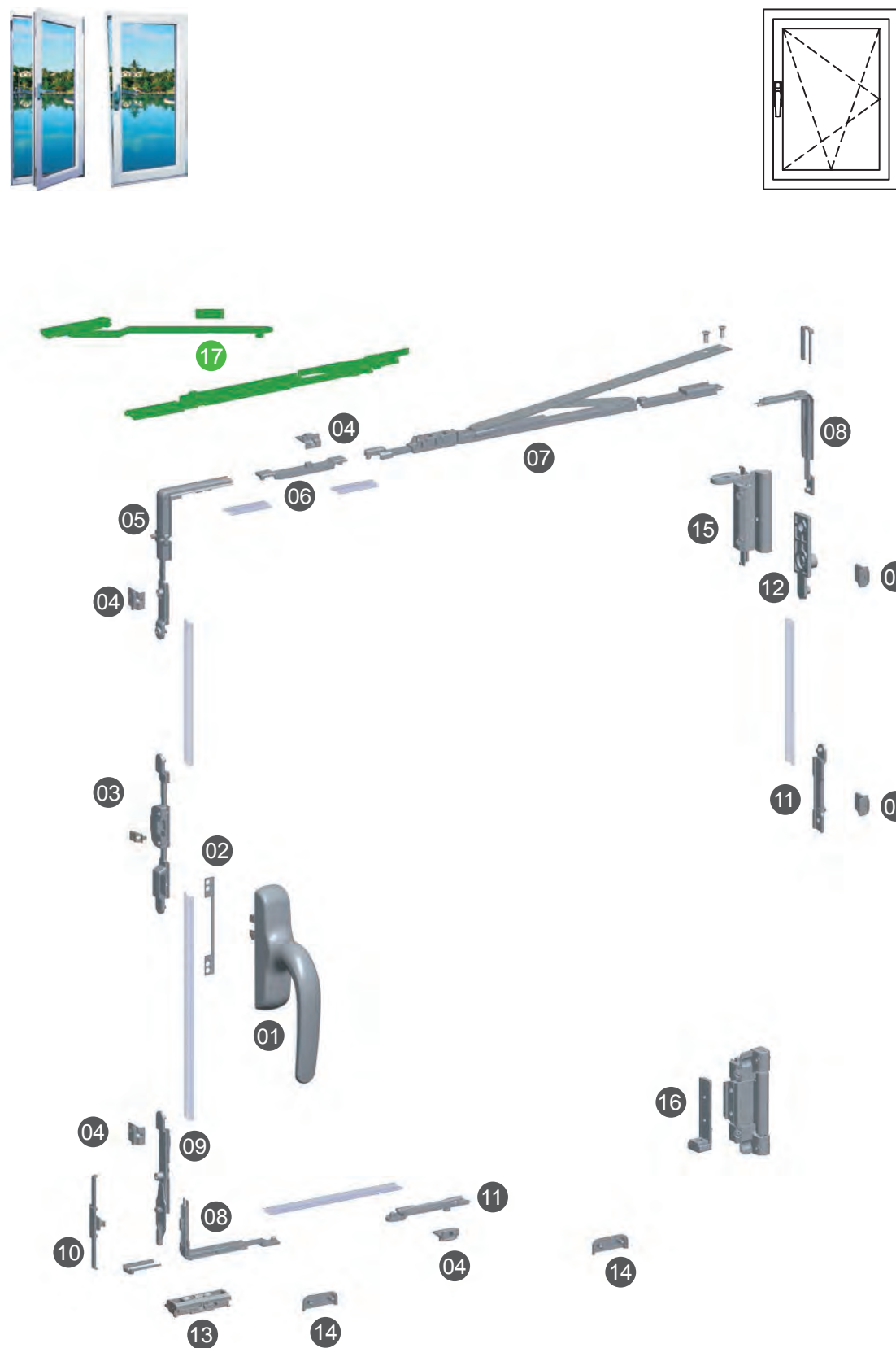
Optional handles for reference:

Handle LCZS39	Handle LCZS66	Handle CZS08	Handle CZS20	For more handles ...
				 Please refer to pages 94~111 of this catalogue.

Configuration instruction:

- ① Customers can select preferable handles by taking reference of handle series .
- ② Recommended distance between lock points should be $\leq 400\text{mm}$.
- ③ Sash dimensions as follow:width 450-650mm, height 600-1800mm, when width is 320-450mm, item of number 6 can be changed to LG12. If you need to increase the inverting distance, you can replace the 6# accessories with LG13, and the corresponding small-size window type can be equipped with LG23.(height and width refer to the distance between the edge of window sash.)
- ④ Bearing capacity: $\leq 90\text{Kg}$, in order to maintain the best use state, it is recommended that the width and height ratio of the window to be kept at about 1:1.5.
- ⑤ The Items with green color are optional hardware.
- ★ Please refer to pages 18~19 of this booklet for the opening and installation instructions of the child safety lock.
- ★ It is recommended to use with the casement window limiter to achieve the best effect for the optional installation requirements of the limiter, please refer to the limiter series on pages 133~135 of this atlas.
- ★ For the installation and adjustment of the product, please refer to pages 8~9 of this catalogue.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

1-3 NPD200 Series Turn-and-Tilt Window With Multi-point Lock On 4 Sides



Hardware Configuration for NPD200 Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS38	1	Optional ①
02	Loose preventer	FSP10	1	
03	Misuse preventer	FWG10A	1	Include small locking plate
04	Locking plate	ZA1-6A	6	②
05	Corner device	ZA2	1	
06	Middle transmission rod	N36A	1	
07	Top connector rod	N8B	1	③
08	Small corner device	ZB4	2	④
09	Overturn supporter	N50	1	
10	Disengagement preventer	N31	1	
11	Side transmission rod	N37A	2	
12	Middle transmission rod	LCDG41	1	
13	Supporting block	LN54	1	
14	Waterproof cap	FSG-01	2	
15	Upper pivot hinge	NDHA10A	1	Left & right ⑤
16	Bottom pivot hinge	NDHB10B	1	
17	Secondary connector rod	PDX-A	1	⑥

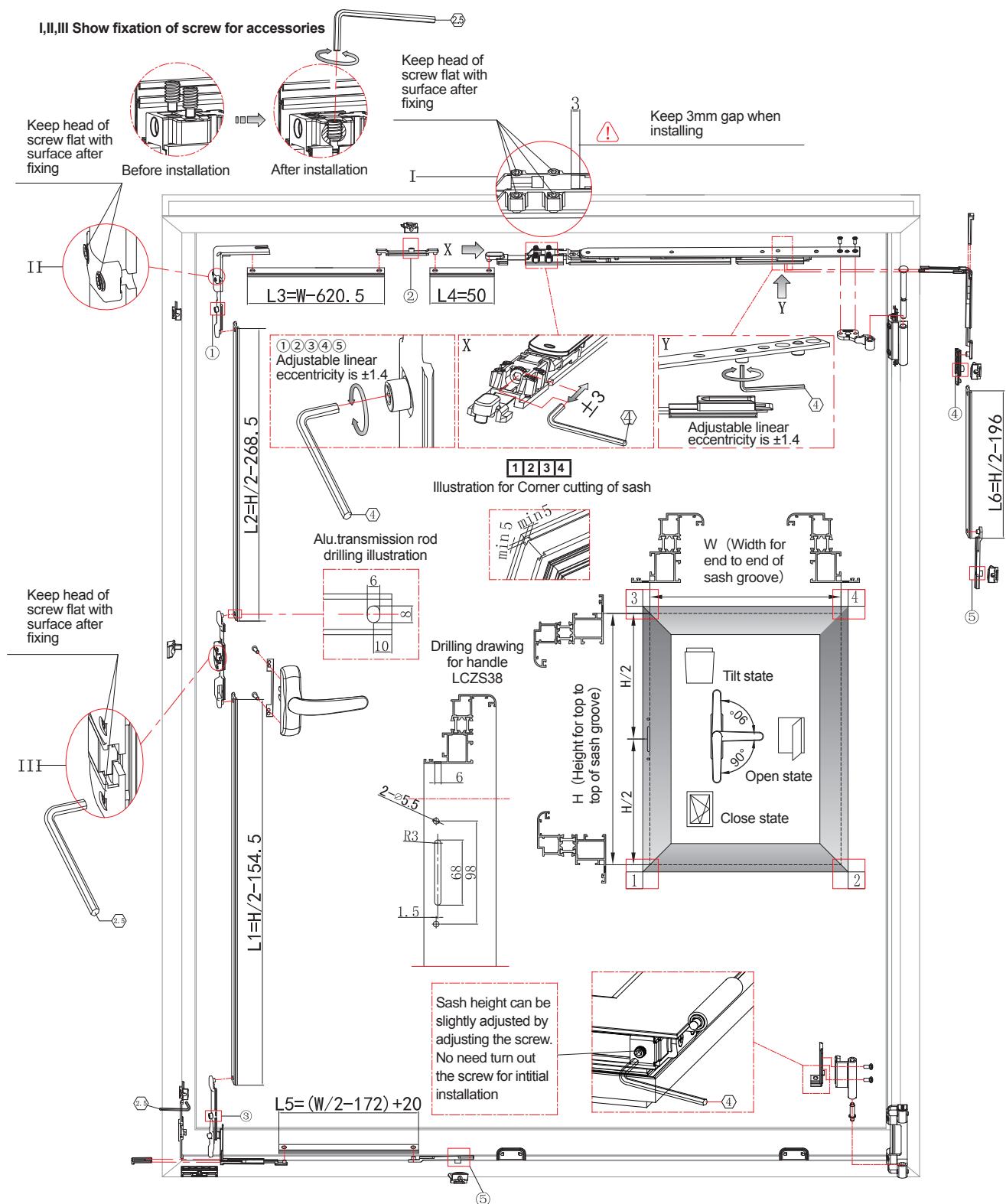
Optional handles for reference:

Handle LCZS39	Handle LCZS66	Handle CZS08	Handle CZS20	For more handles ...
				 Please refer to pages 94~111 of this catalogue.

Configuration instruction:

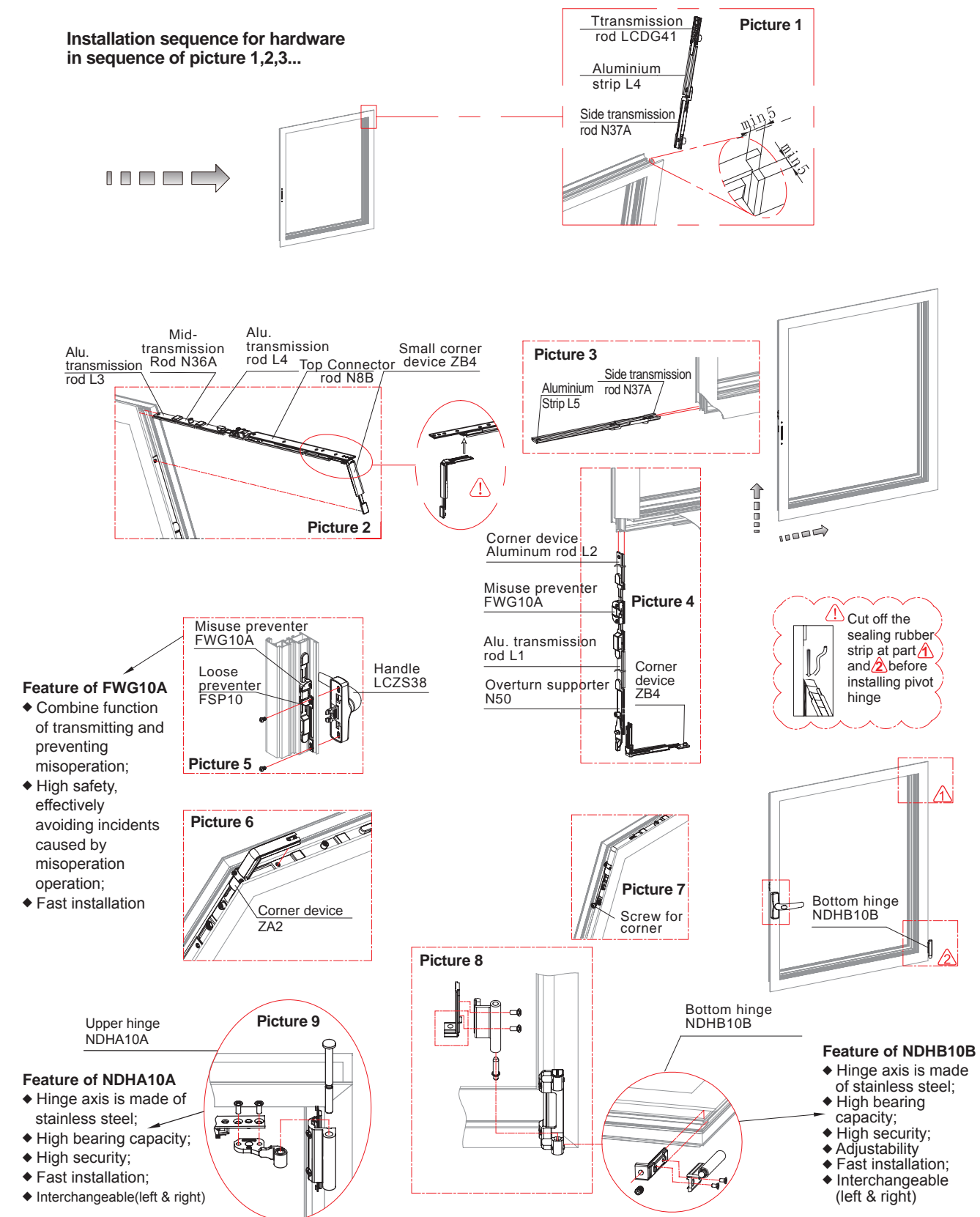
- ① Customers can select preferable handles by taking reference of handle series.
- ② Recommended distance between lock points should be $\leq 400\text{mm}$.
- ③ Sash dimensions as follow: width 650-1000mm, height 600-2000mm. (Height and width are distances between edges of window profile)
- ④ If the profile is with double C groove, please replace the 8# item with LZB5.
- ⑤ Basic load bearing capacity is 90KG, suggested proportion of the height to width within is 1.5:1.
- ⑥ Items in green are optional. for the fittings of the super large windows with the width of 1000-1600mm, the second connecting rod can be added on the basis of the standard configuration to lengthen the auxiliary transmission aluminium rod and the movable locking point can be added on the aluminium rod to meet the locking requirements.
- ★ For the installation and adjustment of the product, please refer to pages 14~15 of this catalogue.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

NPD200 Series Adjustment Illustration for Turn-and-Tilt Window With Multi-point Lock on 4 Sides

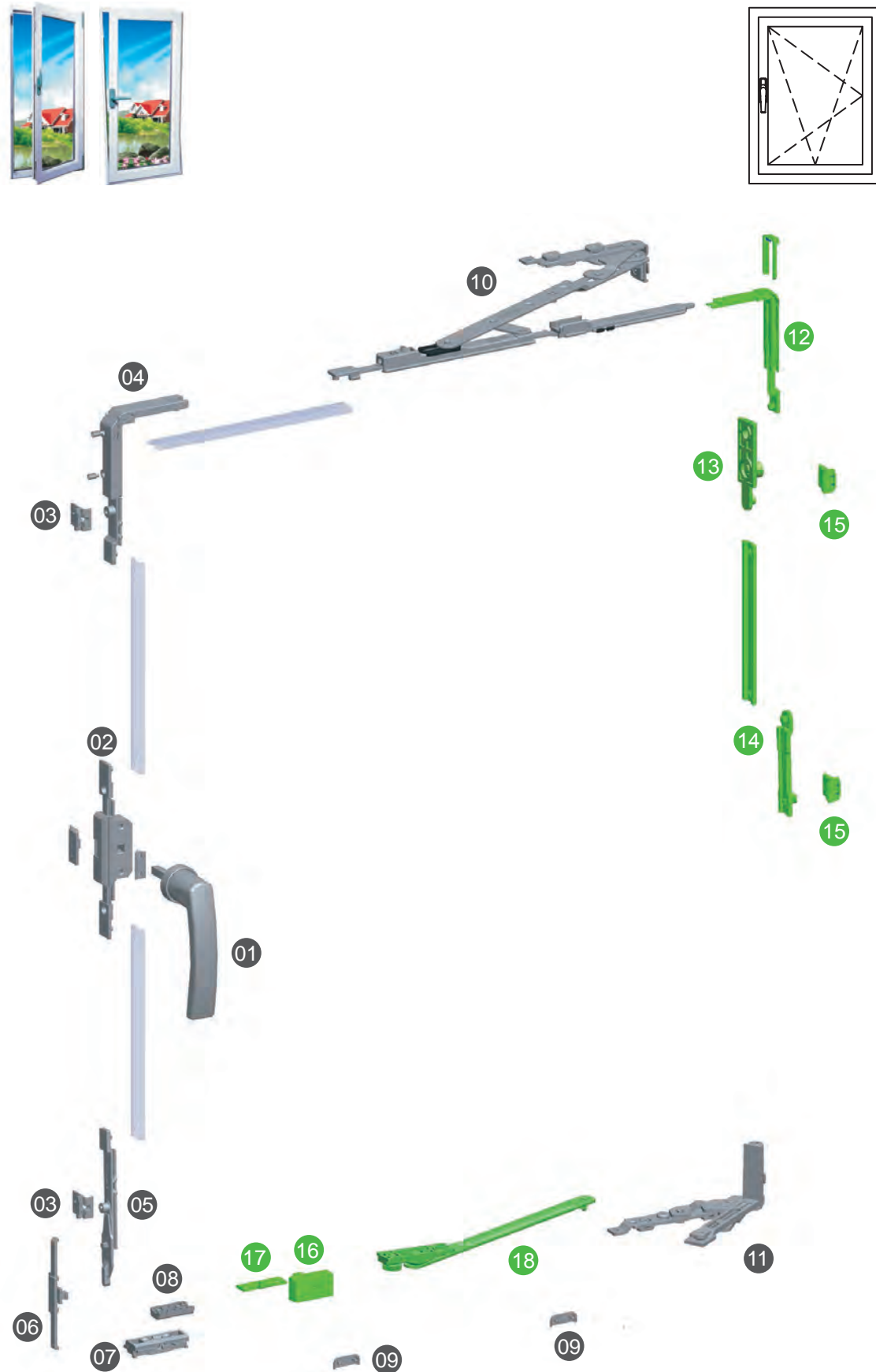


Note: "◇" stands for specification for socket head wrench

NPD200 Series Adjustment Illustration for Turn-and-Tilt Window With Multi-point Lock on 4 Sides



1-4 NPD300 Series Concealed Turn-and-Tilt Window With Multi-point Lock On Multi Sides



Hardware Configuration for NPD300 Series

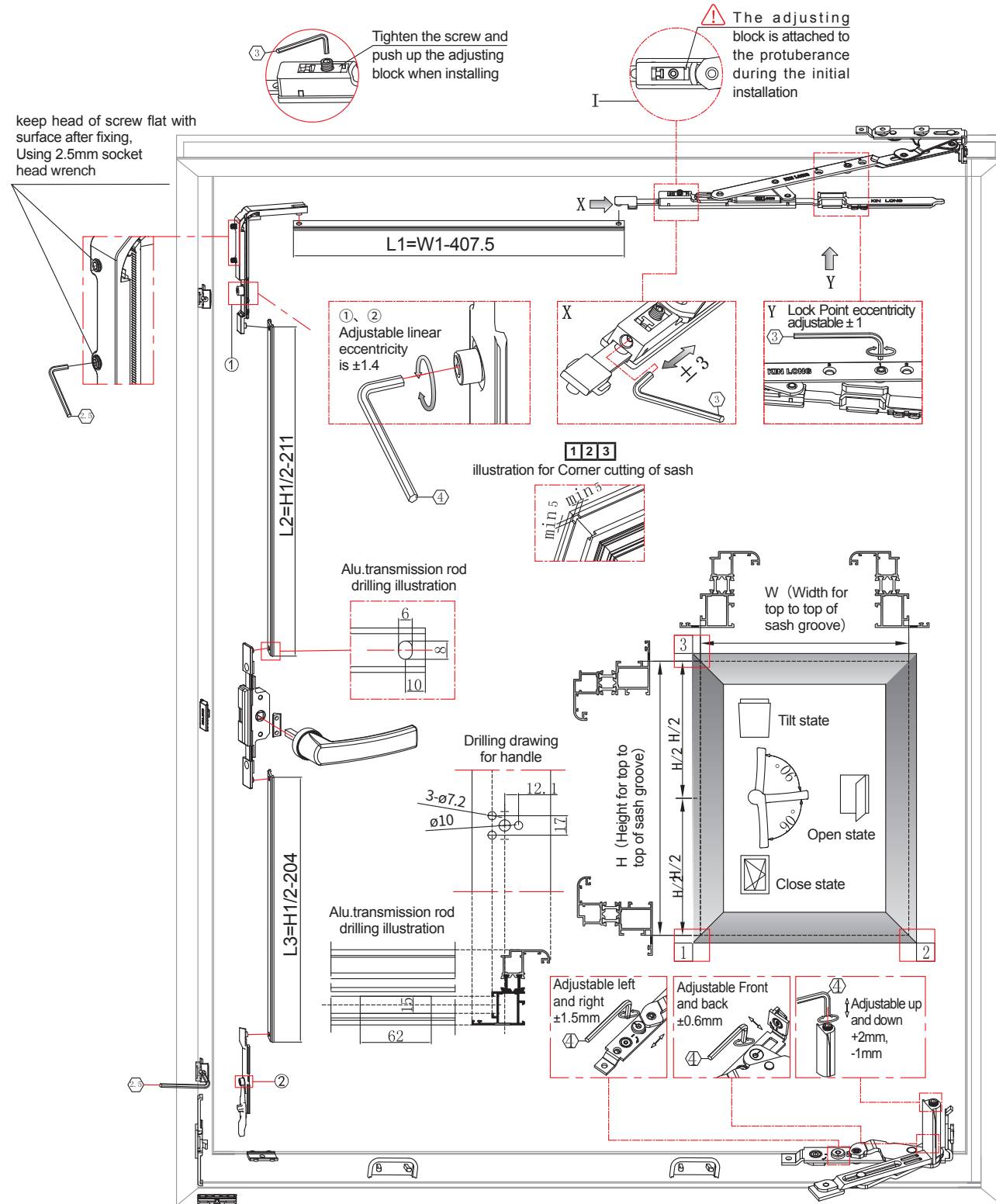
Number	Product name	Code	Quantity	Remark
01	Handle	FZS11A	1	
02	Transmitter	CDQ30	1	Including anti-operation lock block
03	Locking plate	ZA1-6A	2	①
04	Corner device	ZC1	1	
05	Overturn supporter	N53	1	
06	Disengagement preventer	N31	1	
07	Supporting block	LN54	1	
08	Cushion block	N33A	1	
09	Water cap	FSG-01	2	
10	Upper pivot hinge	LYHPS40A	1	Left & right ② ③
11	Bottom pivot hinge	LYHDX40A	1	
12	Corner device	ZB4	1	④⑤⑥
13	Intermediate drive lever	LCDG41	1	
14	Side transmission rod	N37A	1	
15	Locking plate	ZA1-6A	2	
16	Safety device	AQS10	1	
17	Locking plate	SK29	1	
18	Limiter	LPX30	1	

Configuration instruction:

- ① Recommended distance between lock points should be ≤ 400 mm.
- ② Applicable sash width 550-800mm and height 600-1500mm. When width is 380-550mm, item of number 10 can be changed to LYHPS42A. (Height and width are distances between edges of window profile)
- ③ Maximum load bearing capacity is 70KG and suggested proportion of the width and height is 1.5:1., for hinge selection, please refer to pages 162~163 of this catalogue, "concealed hinge selection specifications" for adaptability proofreading.
- ④ Items in green are optional.
- ⑤ If the profile is with double C groove, please replace the 12# item with LZB5.
- ⑥ When multi-lock points on four sides are used, the hardware LYHPS40A should be replaced by LYHPS41A.
- ★ Please refer to pages 18~19 of this booklet for the opening and installation instructions of the child safety lock.
- ★ It is recommended to use with the casement window limiter to achieve the best effect. for the optional installation requirements of the limiter, please refer to the limiter series on pages 133~135 of this atlas.
- ★ For the installation and adjustment of the product, please refer to pages 18~19 of this catalogue.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)
- ★ There is no exposed portion outside the window after concealed hinges are installed, which improves the performance of tightness and makes the door and window more energy-saving and environmental friendly. handle base plate and hand hold are designed as one unit, which can reduce the exposing area and make the window look more beautiful.
- ★ The transmitter needs to be used with the handle, and when used with other spindle handles, anti-pulling measures are required.

NPD300 Series Adjustment Illustration for Concealed Turn-and-Tilt Window With Multi-point Lock On Multi Sides

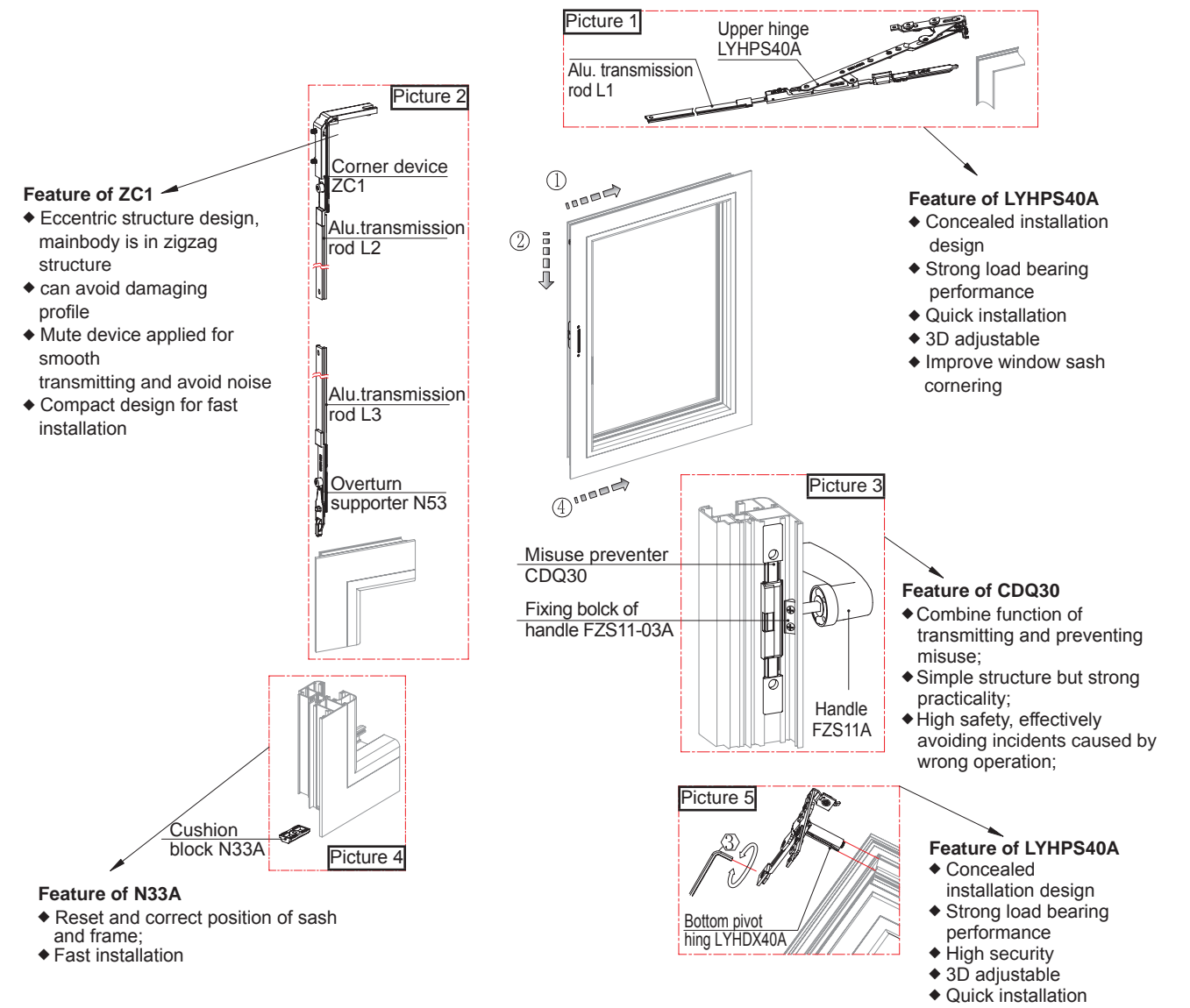
I,II,III show fixation of screw for accessories



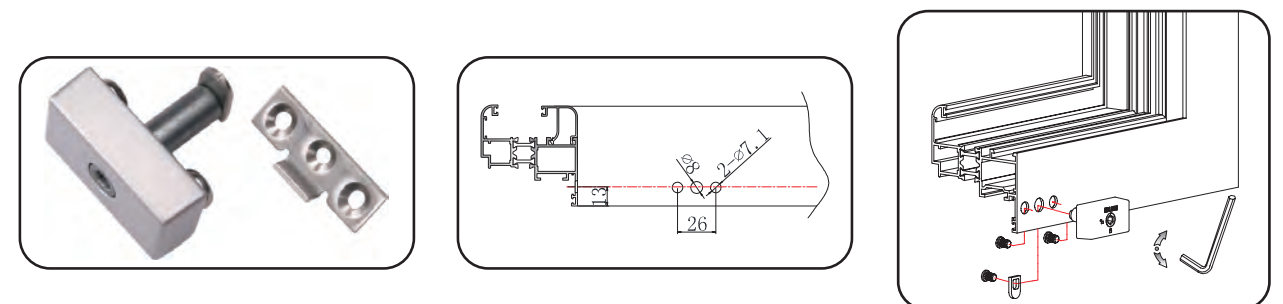
Note: "□" stands for specification for socket head wrench

NPD300 Series Installation Illustration for Concealed Turn-and-Tilt Window With Multi-point Lock On Multi Sides

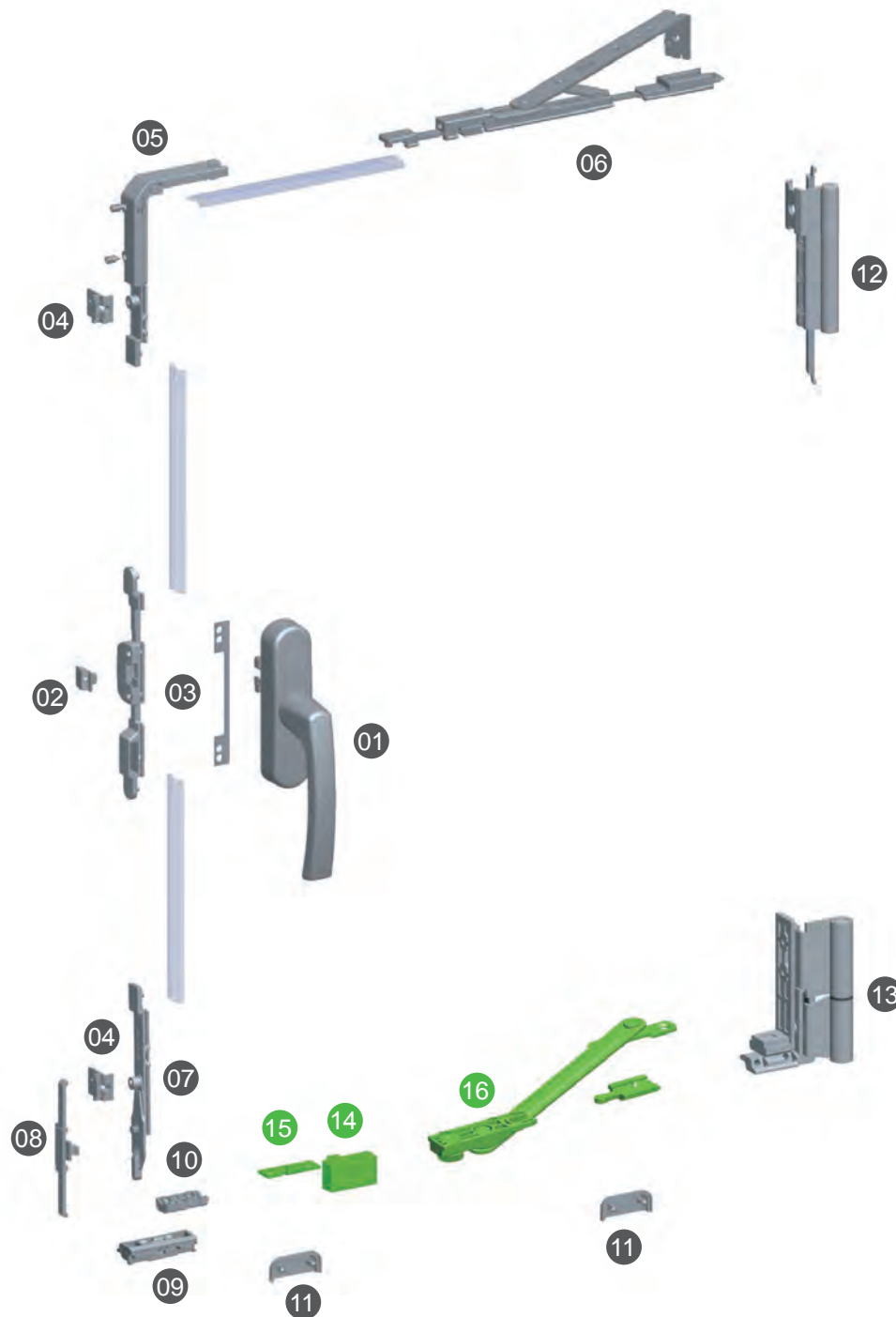
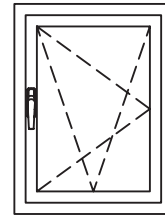
★ Installation sequence for hardware in sequence of picture 1,2,3...



Child Safety Lock AQS10/SK29-Hole Cuts, Installation and Adjustment Diagram



1-5 NPD500 Series Turn-and-Tilt Window with Multi-point Lock On 2 Sides



Hardware Configuration for NPD500 Series

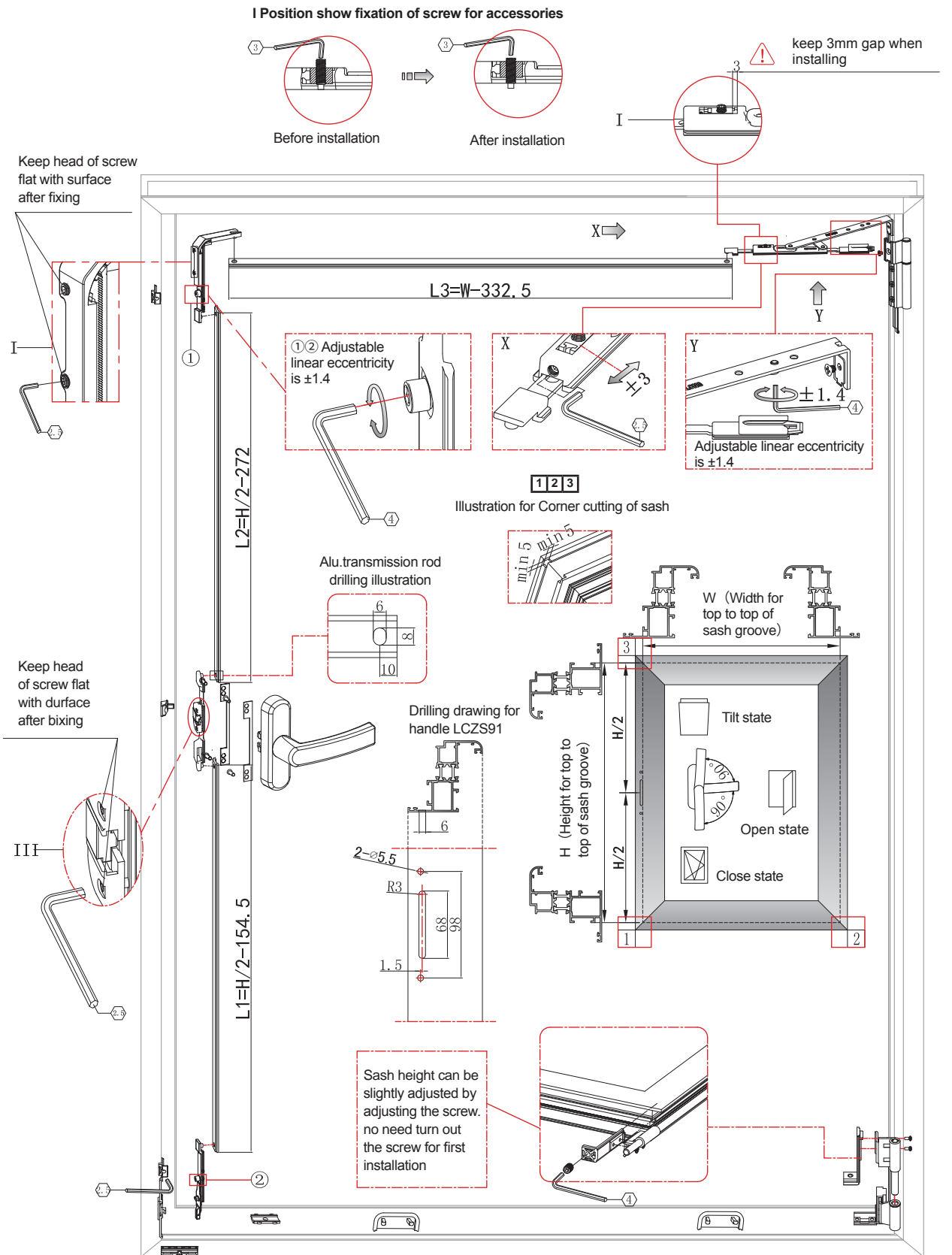
Number	Product name	Code	Quantity	Remark
01	Handle	LCZS91	1	Optional
02	Misuse preventer	FWG10A	1	
03	Loose preventer	FSP10	1	
04	Locking plate	ZA1-6A	2	①
05	Corner device	ZC1	1	
06	Small connector rod	LG51	1	②
07	Overturn supporter	N53	1	
08	Disengagement preventer	N31	1	
09	Supporting block	LN54	1	
10	Cushion block	N33A	1	
11	Waterproof cap	FSG-01	2	
12	Upper pivot hinge	BHYA11	1	Left & right ③
13	Bottom pivot hinge	BHYB11	1	
14	Safety lock	AQS10	1	④
15	Locking plate	SK29	1	
16	Limiter	LPX14	1	The length depends on window dimension

Configuration instructions:

- ① It is recommended to keep the lock point distribution distance within 400mm.
- ② It can meet the window type with a window sash width of 450-650mm and a window sash height of 600-1800mm. (Height and width are distances between edges of window profile)
- ③ Bearing capacity: ≤90Kg. It is recommended to keep the window size ratio (height / width) at 1.5: 1.
- ④ Green accessories are optional.
- ★ Please refer to pages 18~19 of this booklet for the opening and installation instructions of the child safety lock.
- ★ It is recommended to use with the casement window limiter to achieve the best effect. for the optional installation requirements of the limiter, please refer to the limiter series on pages 133~135 of this atlas.
- ★ For the installation and adjustment of the product, please refer to pages 22~23 of this catalogue.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)
- ★ The handle of this series, the hinge is made of stainless steel, to ensure better corrosion resistance and exquisite appearance of the product, so that the entire window sash is full of metal texture.

NPD500 Series Adjustment Illustration for Turn-and-Tilt Window With Multi-point Lock On 2 Sides

NPD500 Series Adjustment Illustration for Turn-and-Tilt Window with Multi-point Lock On 2 sides



Note: "□" stands for specification for socket head wrench

Installation sequence for hardware in sequence of picture 1,2,3...



Feature of ZC1

- ◆ Eccentric structure design, mainbody is in zigzag structure
- ◆ can avoid damaging profile
- ◆ mute device applied for smooth transmitting and avoid noise
- ◆ compact design for fast installation

Feature of FWG10A

- ◆ Combine function of transmitting and preventing misoperation;
- ◆ Simple structure and practicability
- ◆ High safety, effectively avoiding incidents caused by misoperation.
- ◆ Fast installation

Feature of N33A

- ◆ Reset and correct position of sash and frame;
- ◆ Fast installation

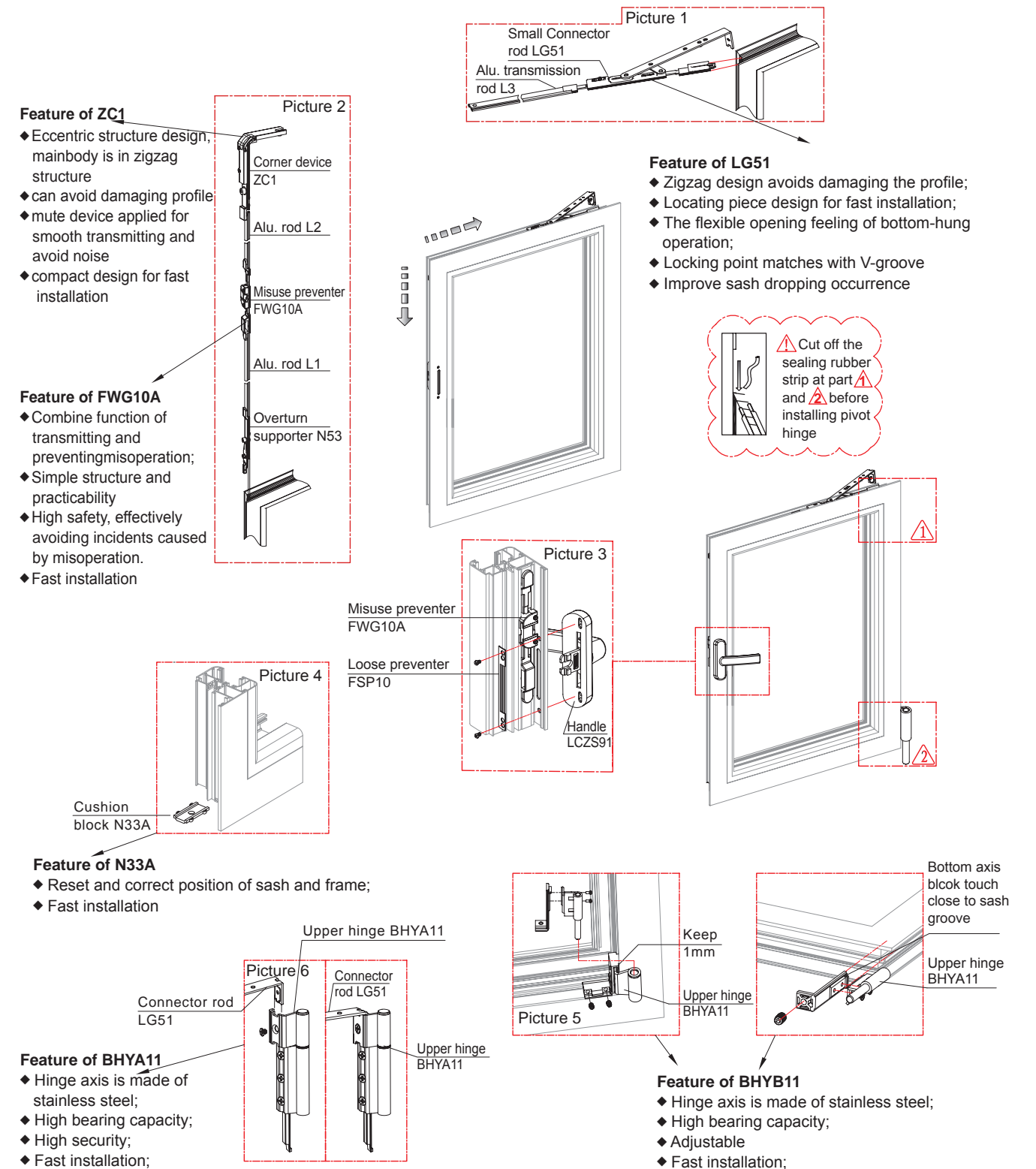
Feature of BHYA11

- ◆ Hinge axis is made of stainless steel;
- ◆ High bearing capacity;
- ◆ High security;
- ◆ Fast installation;
- ◆ Interchangeable(left & right)

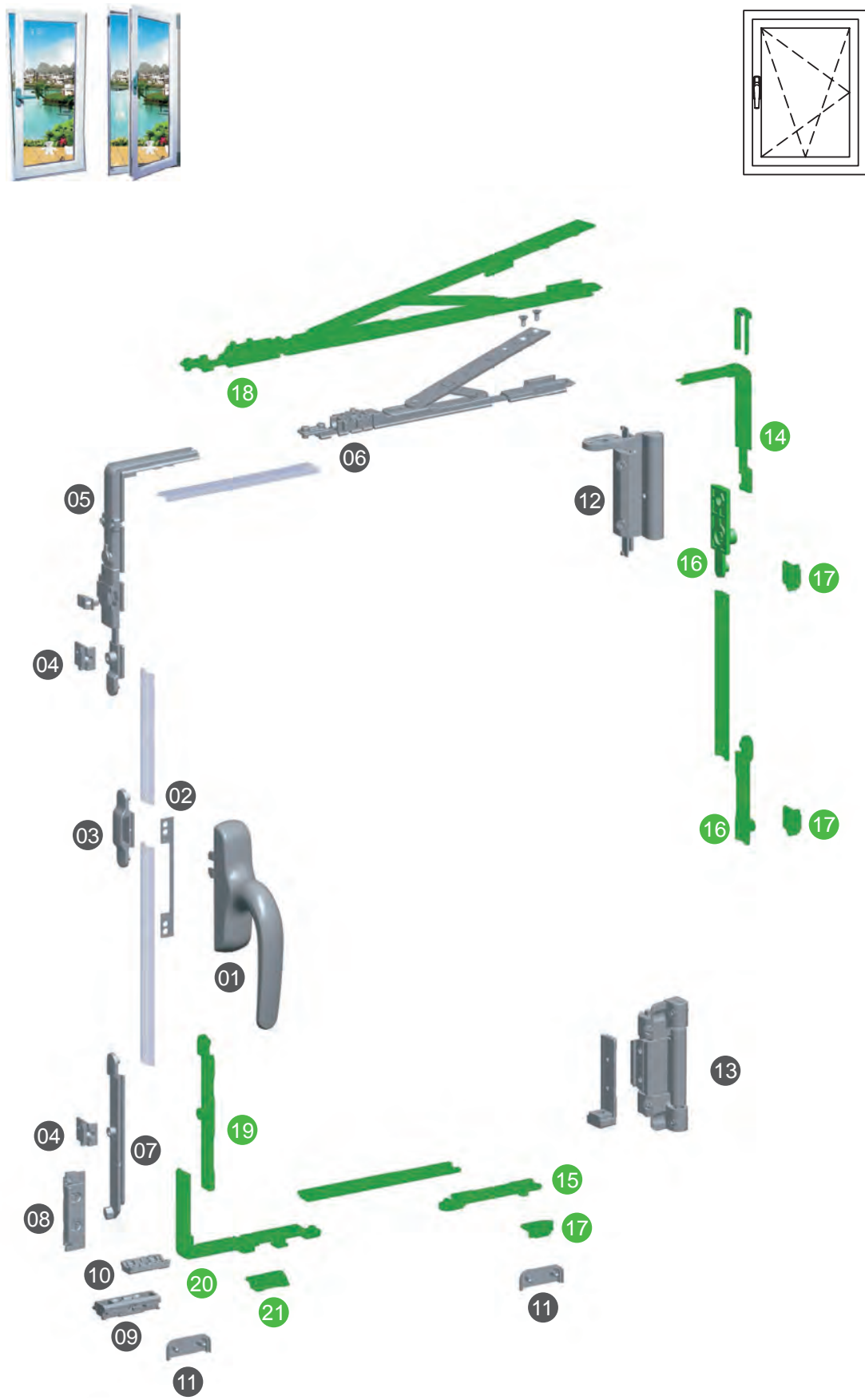
Feature of LG51

- ◆ Zigzag design avoids damaging the profile;
- ◆ Locating piece design for fast installation;
- ◆ The flexible opening feeling of bottom-hung operation;
- ◆ Locking point matches with V-groove
- ◆ Improve sash dropping occurrence

⚠ Cut off the sealing rubber strip at part ⚠ and ⚠ before installing pivot hinge



1-6 SPD100 Series Tilt-and-Turn Window With Multi-point Lock On Multi Sides



Hardware Configuration for SPD100 Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS38	1	Optional ①
02	Loose preventer	FSP10	1	
03	Main transmission rod	N55	1	
04	Locking plate	ZA1-6A	2	②
05	Security corner device	ZA6	1	Include small lock plate
06	Slanting connector rod	LG21	1	③
07	Overturn supporter	FZS	1	Left & right
08	Side disengagement preventer	XZSK-A	1	
09	Supporting block	LN54	1	
10	Cushion block	N33A	1	
11	Waterproof cap	FSG-01	2	
12	Upper pivot hinge	NDHA10A	1	Left & right ④
13	Bottom pivot hinge	NDHB10B	1	
14	small corner device	ZB4	1	④⑤⑥
15	Side transmission rod	N37A	2	
16	Intermediate drive lever	LCDG41	1	
17	Locking plate	ZA1-6A	3	
18	Slanting connector rod	XN8	1	
19	Transmission rod	CDG20	1	
20	Corner device	ZB3	1	
21	Tilt Locking plate	SK25	1	

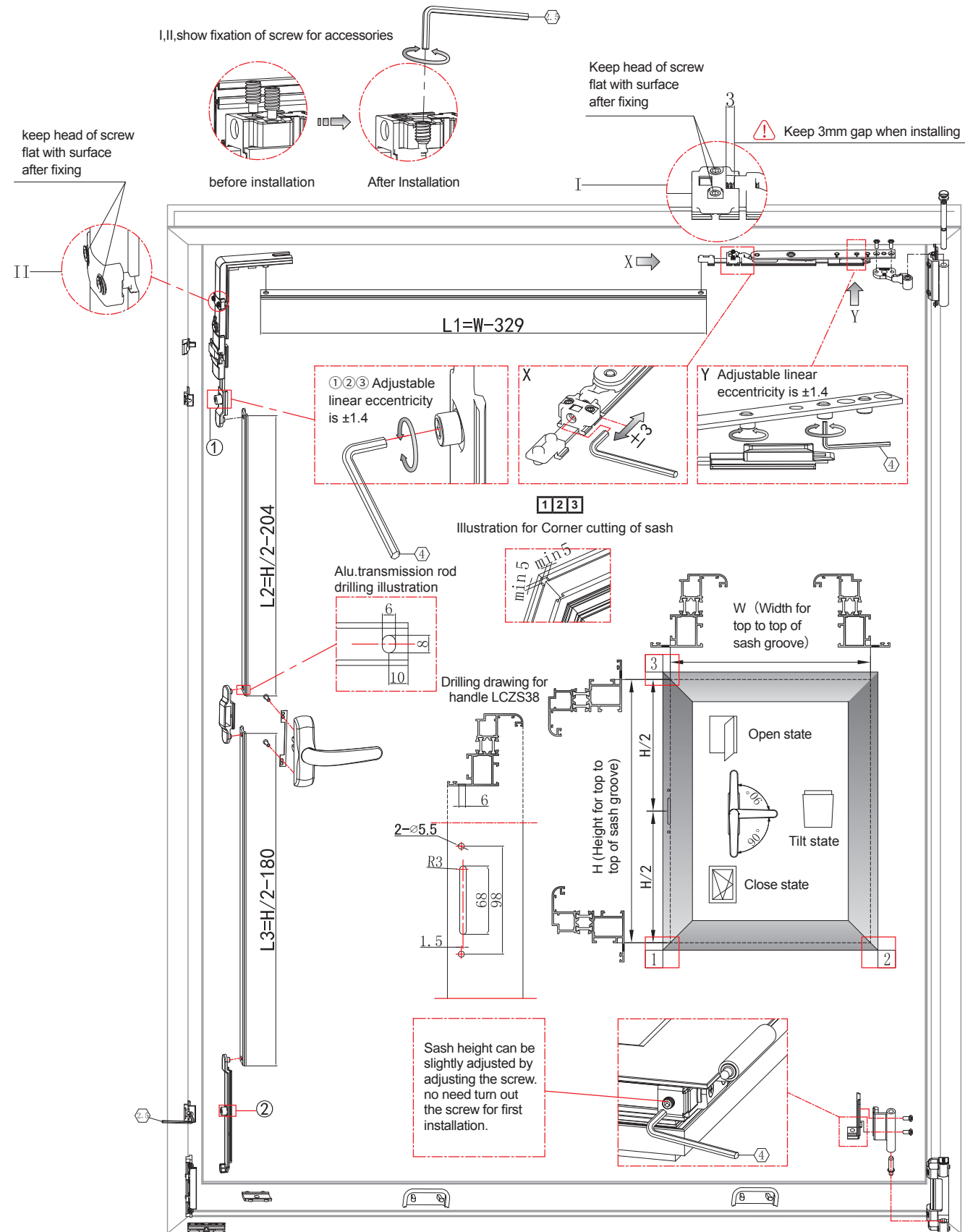
Optional handles for reference:

Handle LCZS39	Handle LCZS66	Handle CZS08	Handle CZS20	For more handles ...
				 Please refer to pages 94~111 of this catalogue.

Configuration instruction:

- ① Customers can select preferable handles taking by reference of handle series .
- ② Recommended distance between lock points should be $\leq 400\text{mm}$.
- ③ Sash dimensions as follow:width 450-650mm, height 600-1800mm, when width is 320-450mm, item number 6 can be changed to LG22. (Height and width are distances between edges of window profile)
- ④ Basic load bearing capacity is 70KG, can bear 90KG at maximum. suggested proportion of the height to width is 1.5:1.
- ⑤ If the profile is with double C groove, please replace the 14# item with LZB5.
- ⑥ Items in green are optional, which can suit for sash width 650-1000mm, height 600-2000mm.
- ★ For the installation and adjustment of the product, please refer to pages 26~27 of this catalogue.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

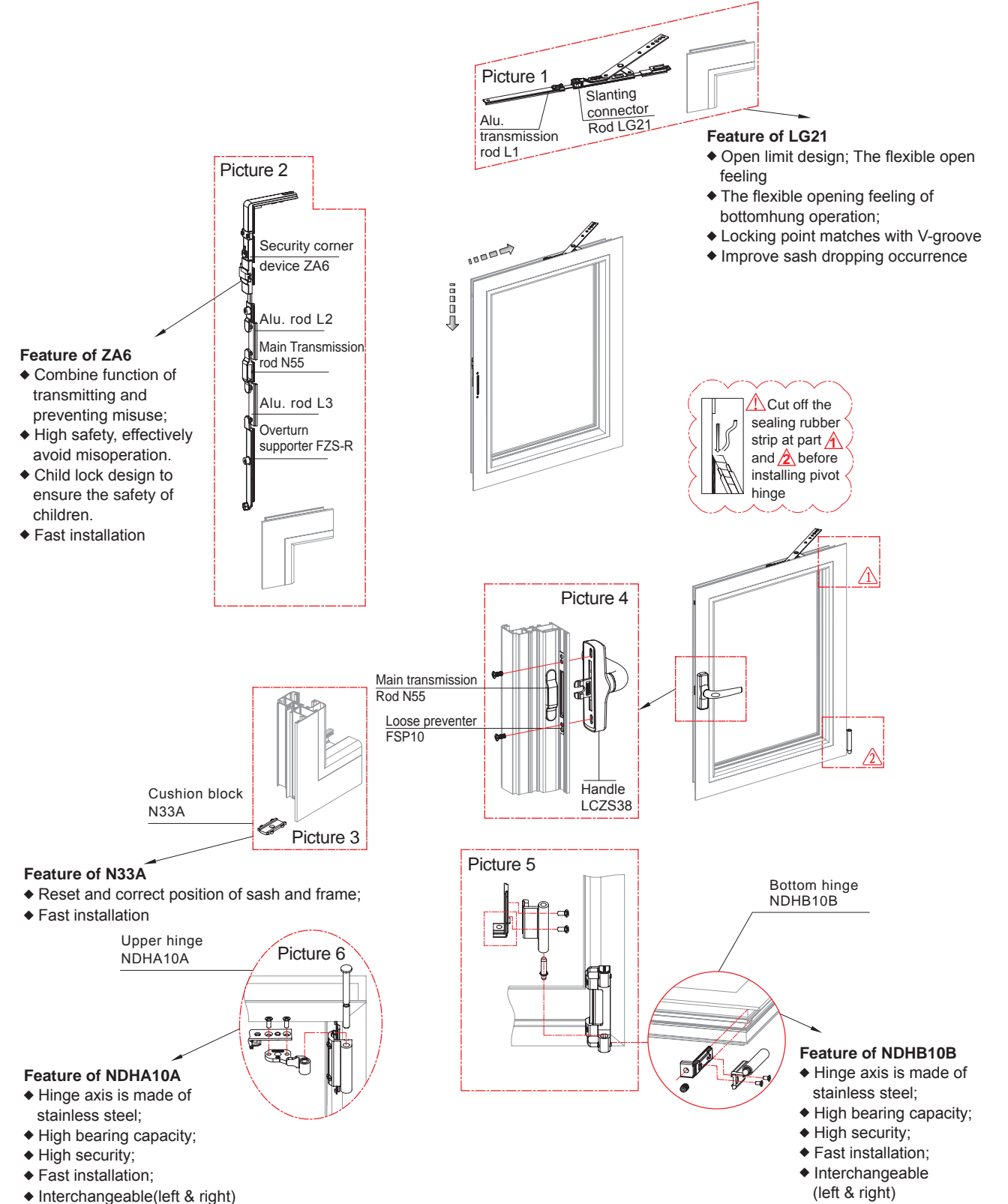
SPD100 Series Adjustment Illustration for Tilt-and-Turn Window With Multi-point Lock On Multi Sides



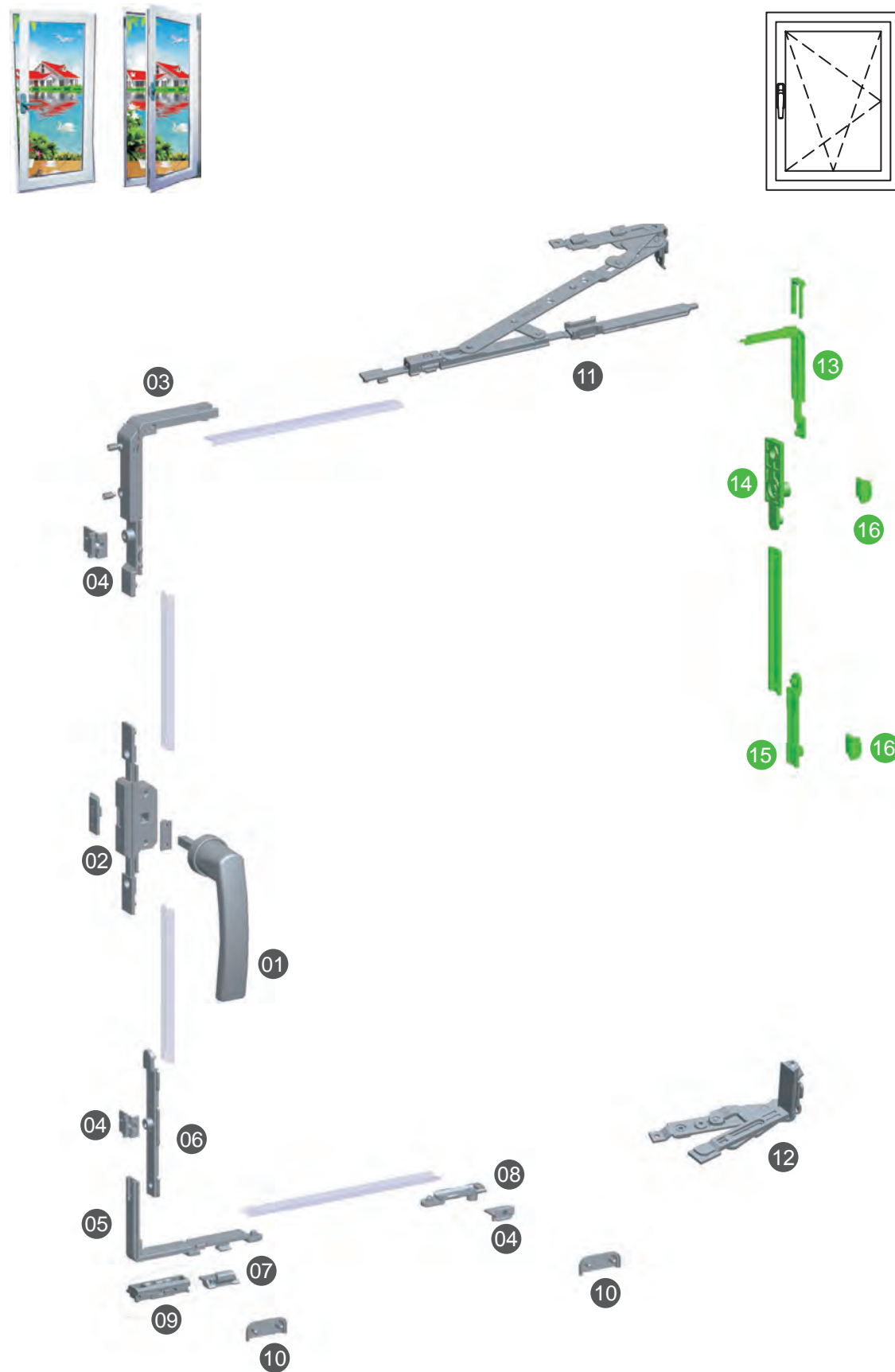
Note: "O" stands for specification for socket head wrench

SPD100 Series Installation Illustration for Tilt-and-Turn Window With Multi-point Lock On Multi Sides

Installation sequence for hardware in sequence of picture 1,2,3...



1-7 SPD300 Series Concealed Tilt-and-Turn Window With Multi-point Lock On Multi Sides



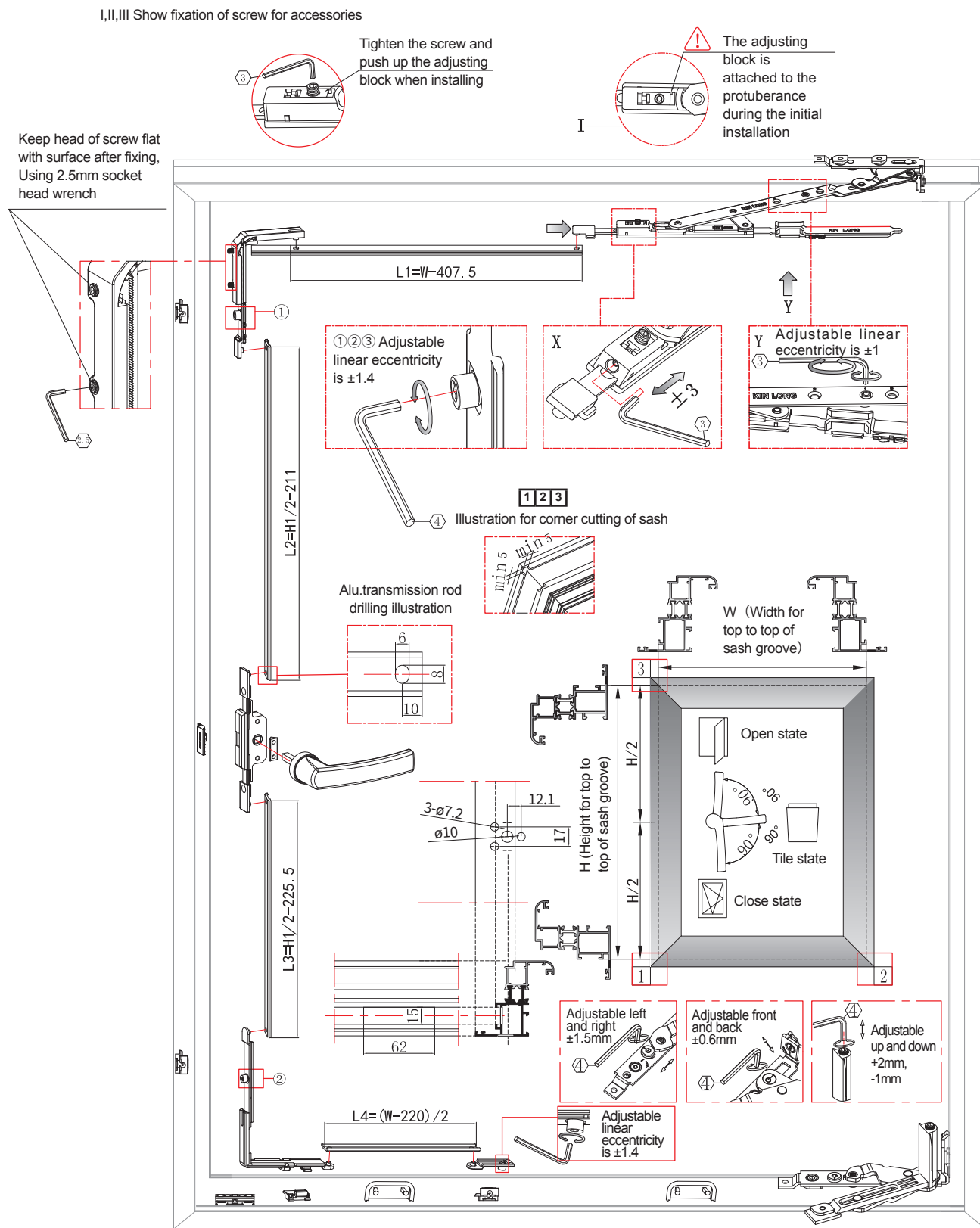
Hardware Configuration for SPD300 Series

Number	Product name	Code	Quantity	Remark
01	Handle	FZS11A	1	
02	Transmitter	CDQ30	1	Include anti-misoperation locking plate
03	Corner Device	ZC1	1	
04	Locking Plate	ZA1-6A	3	①
05	Corner Device	ZB3	1	
06	Transmission Rod	CDG20	1	
07	Tilt Locking Plate	SK25	1	
08	Side Transmission Rod	N37A	1	
09	Supporting Block	LN54	1	
10	Water Cap	FSG-01	2	
11	Upper Pivot Hinge	LYHDS40A	1	Left&Right ②
12	Bottom Pivot Hinge	LYHDX40A	1	Left&Right ③
13	Corner Device	ZB4	1	④
14	Intermediate drive lever	LCDG41	1	
15	Side Transmission Rod	N37A	1	
16	Locking Plate	ZA1-6A	2	

Configuration instruction:

- ① Recommended distance between lock points should be ≤ 400mm
- ② Sash dimensions as follow: width 550-800mm, height 600-1500mm,when width is 380-550mm, item of number 11 can be changed to LYHDS42A. (Height and width are distances between edges of window profile)
- ③ Maximum load bearing capacity is 70KG. suggested proportion of the width and height is 1.5:1, for hinge selection, please refer to pages 162~163 of this catalogue, "concealed Hinge Selection Specifications" for adaptability proofreading.
- ④ Items in green are optional.
- ⑤ If the profile is with double C groove, please replace the 13# item with LZB5.
- ⑥ When multi-locking points on four sides are used, the hardware LYHDS40A Should be replaced by LYHDS41A.
- ★ There is no exposed portion outside the window after concealed hinges are installed, Which improves the performance of tightness and makes the door and window more energy -saving and environmental friendly. handle base plate and hand hold are redesigned as one unit, which can reduce the exposing area and make the window look more beautiful.
- ★ For the installation and adjustment of the product, please refer to pages 30~31 of this catalogue.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)
- ★ The transmitter needs to be used with the handle, and when used with other spindle handles, anti-pulling measures are required.

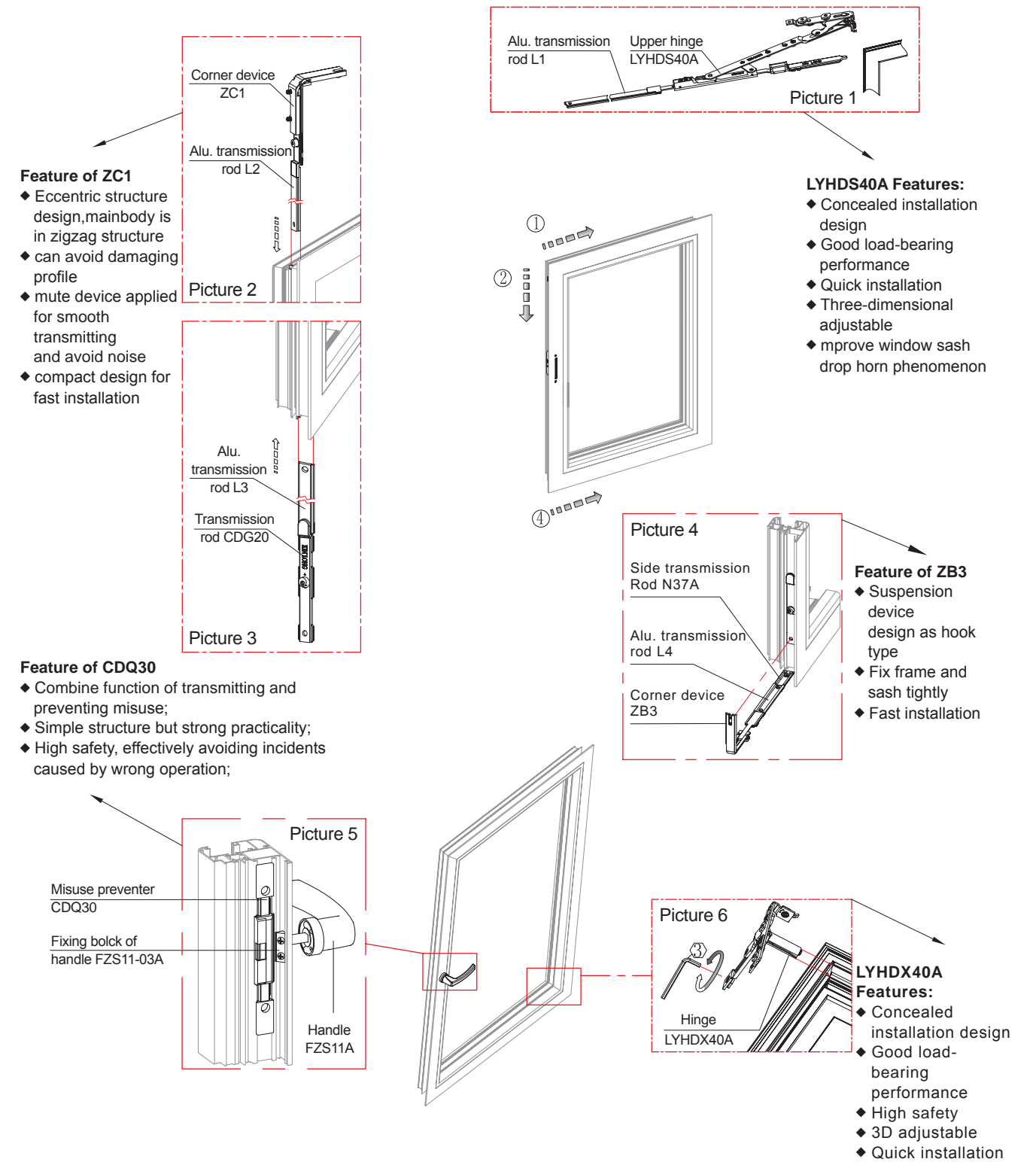
SPD300 Series Adjustment Illustration for Concealed Window With Multi-point Lock On Multi Sides



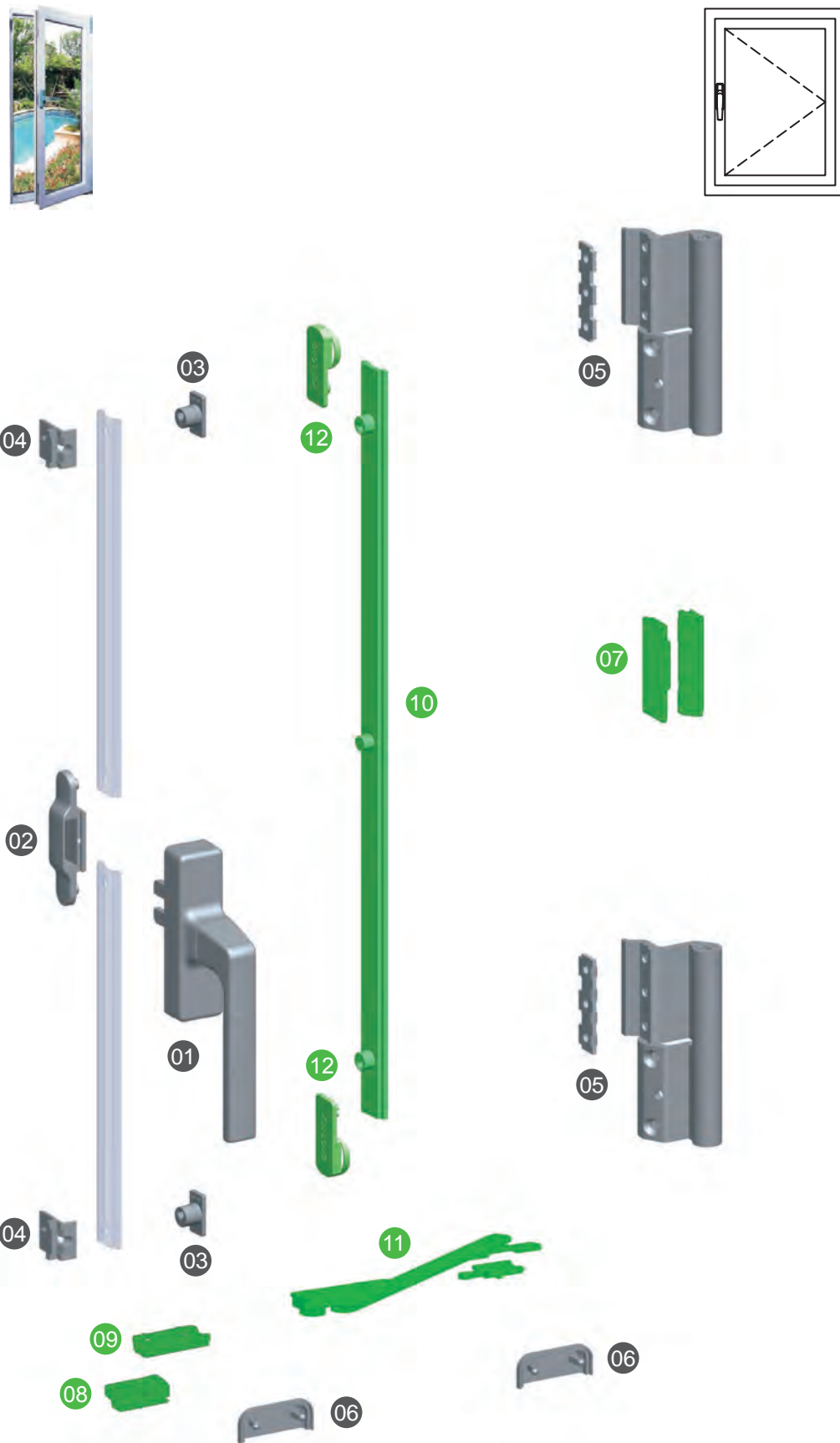
Note: "□" stands for specification for socket head wrench

SPD300 Series Installation Illustration for concealed Tilt-and-Turn Window With Multi-point Lock On Multi Sides

Installation sequence for hardware in sequence of picture 1,2,3...



1-8 NP100 Series Open-in Side Hung Window With Two-point Lock On Single Side



Hardware Configuration for NP100 Series

Number	Product name	Code	Quantity	Remark
01	Handle(left & right)	CZS220A	1	Optional ①
02	Main transmission rod	N55	1	
03	Active lock point	HDS4	2	Refer to active lock points operation instruction ②
04	Locking plate	ZA1-6A	2	
05	Pivot hinge	J3	2	Optional ③
06	Waterproof cap	FSG-01	2	
07	Middle locking plate	SK70	1	④
08	Supporting block	N34A	1	
09	Cushion block	N33A	1	
10	ALU.transmission rod	LZDC03-L	1	The length depends on window dimension
11	Limiter	LPX14	1	The length depends on window dimension
12	Mute block	JYK30	2	⑤

Optional handles for reference:

Handle LCZS58	Handle LCZS59	Handle LCZS66	Handle CZS219A	For more handles
				Please refer to pages 94~111 of this catalogue.

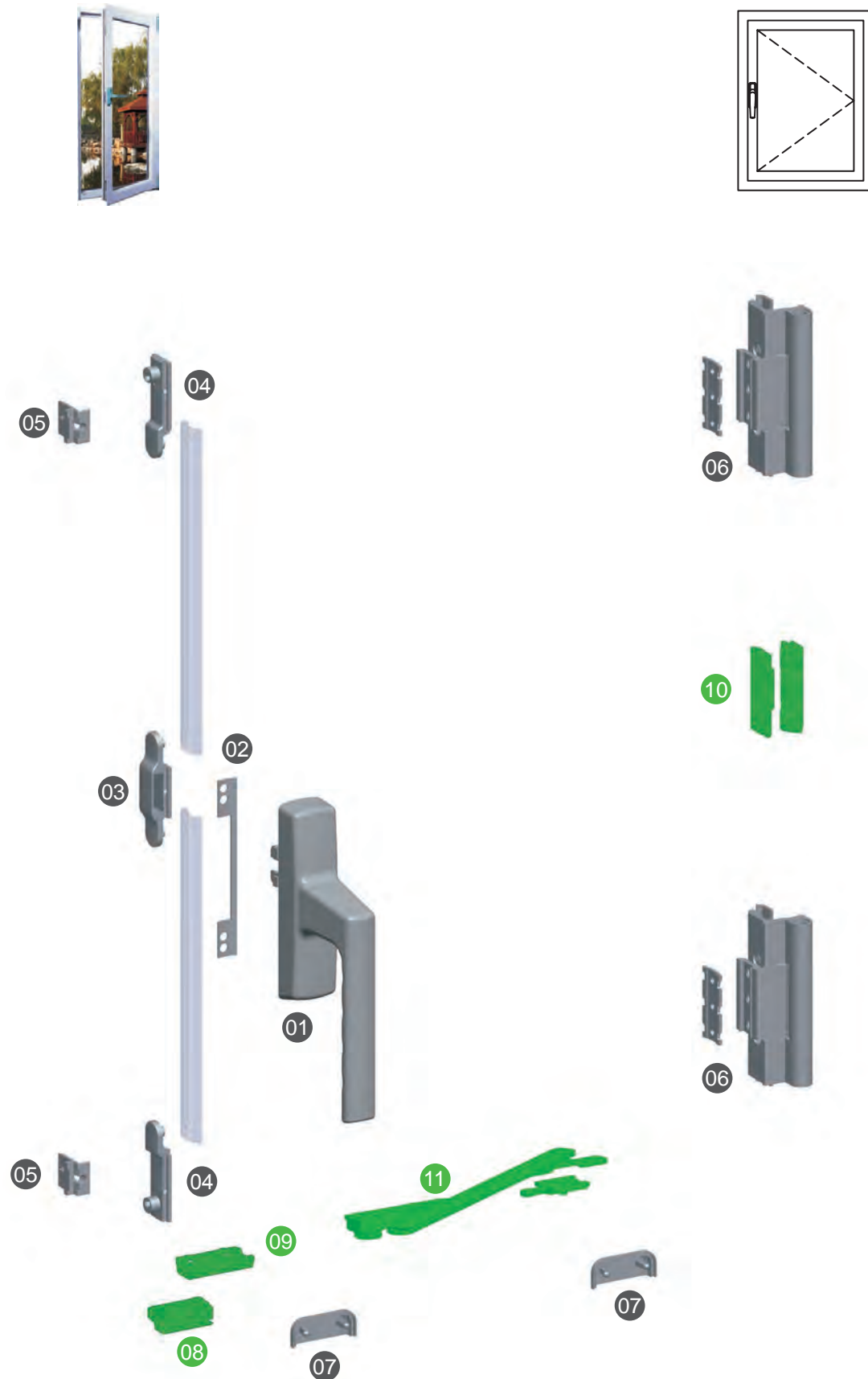
Optional hinges for reference:

Hinge N2C	Hinge J3	Hinge BHY20/I	Hinge LBHY22	For more hinges
				please refer to pages 113~119 of this catalogue.

Configuration instruction:

- ① Customers can select preferable handles by taking reference of handle series.
- ② Please refer to page 57 of this catalogue for the instructions of using the active locking point.
- ③ The load bearing capacity of the pivot hinge refers to pivot hinge series of this catalogue.
- ④ Items in green are optional.
- ⑤ Adding a mute block can effectively improve the mute effect and create a beautiful and quiet atmosphere. (The holes for the installation of the mute block needs to be opened by the customer)
- ★ Suggest taking middle locking plate to prevent sash deformation and to ensure seal ability for large size window.
- ★ It is recommended to use with the casement window limiter to achieve the best effect. for the optional installation requirements of the limiter, please refer to the limiter series on pages 133~135 of this atlas.
- ★ For the installation and adjustment of the product, please refer to pages 44~45 of this catalogue.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

1-9 NP110 Series Open-in Side Hung Window With Two-point Lock On Single Side



Hardware Configuration for NP110 Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS39	1	Optional ①
02	Loose preventer	FSP10	1	
03	Main transmission rod	N55	1	
04	Side transmission rod	N39	2	
05	Locking plate	ZA1-6A	2	Optional ②
06	Pivot hinge	N4B	2	
07	Waterproof cap	FSG-01	2	
08	Supporting block	N34A	1	③
09	Cushion block	N33A	1	
10	Middle locking plate	SK70	1	
11	Limiter	LPX14	1	The length depends on window dimension

Optional hinges for reference:

Handle LCZS58	Handle LCZS59	Handle LCZS66	Handle CZS219A	For more handles
				<p>Please refer to pages 94~111 of this catalogue.</p>

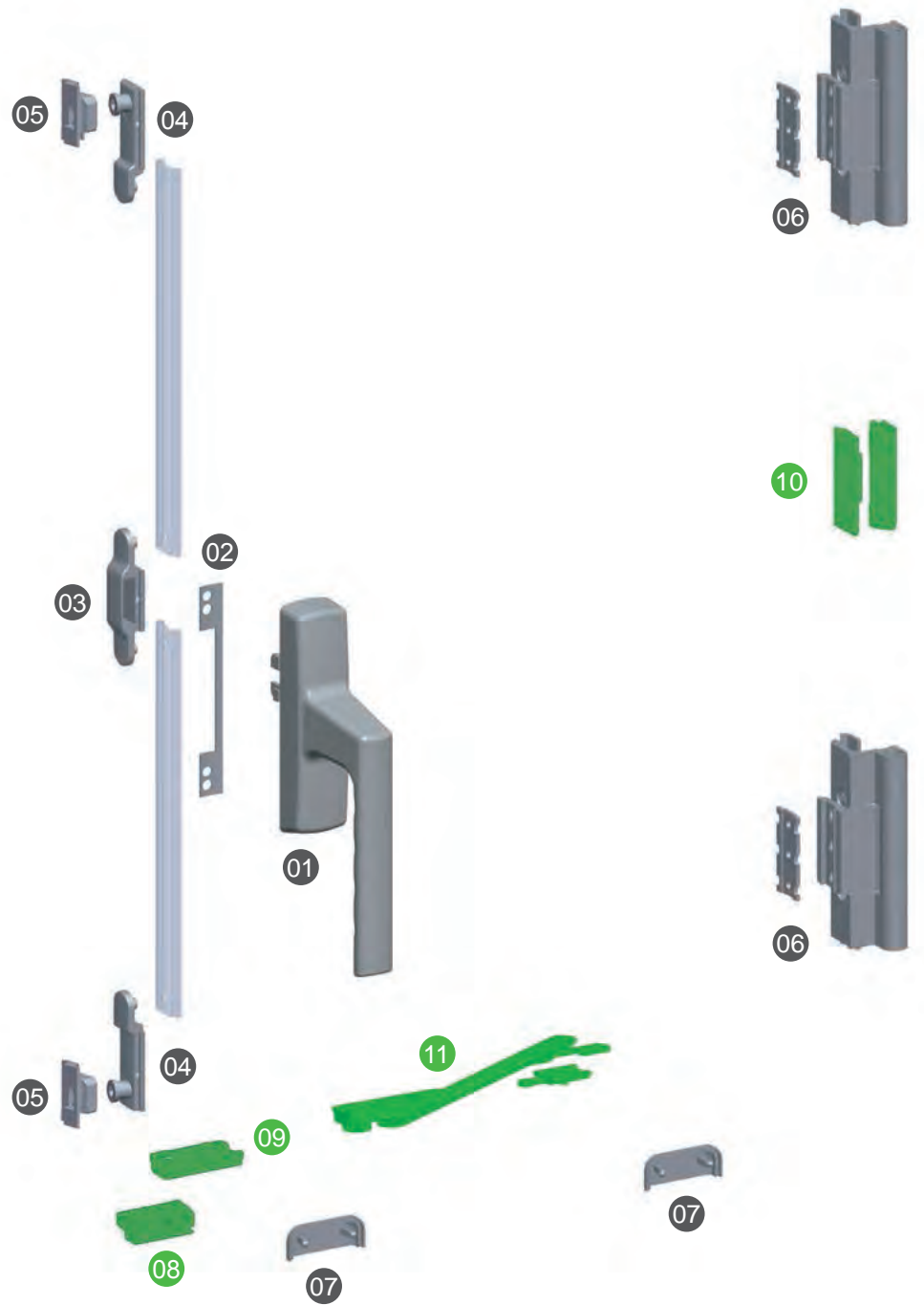
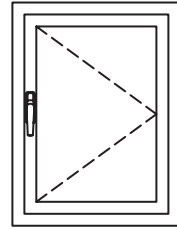
Optional hinges for reference:

Hinge N2C	Hinge J3	Hinge BHY20/I	Hinge LBHY22	For more hinges
				<p>Please refer to pages 113~119 of this catalogue.</p>

Configuration instruction:

- ① Customers can select preferable handles by taking reference of handle series.
- ② The load bearing capacity of the pivot hinge refers to pivot hinge series in this catalogue.
- ③ Items in green are optional.
- ★ Suggest taking middle locking plate to prevent sash deformation and to ensure seal ability for large size window.
- ★ It is recommended to use with the casement window limiter to achieve the best effect. for the optional installation requirements of the limiter, please refer to the limiter series on pages 133~135 of this atlas.
- ★ For the installation and adjustment of the product, please refer to pages 44~45 of this catalogue.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

1-10 NP200T Series Open-in Side-hung Window With Two-point Lock On Single Side(Anti-prying & Anti-theft)



Hardware Configuration for NP200T Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS39	1	Optional ①
02	Loose preventer	FSP10	1	
03	Main transmission rod	N55	1	
04	Side transmission rod	N39T	2	
05	Locking plate	SK38	2	Left and right
06	Pivot hinge	N4B	2	Optional ②
07	Waterproof cap	FSG-01	2	
08	Supporting block	N34A	1	③
09	Cushion block	N33A	1	
10	Middle locking plate	SK70	1	
11	Limiter	LPX14	1	The length depends on window dimension

Optional handles for reference:

Handle LCZS58	Handle LCZS59	Handle LCZS66	Handle CZS219A	For more handles
				 Please refer to pages 94~111 of this catalogue.

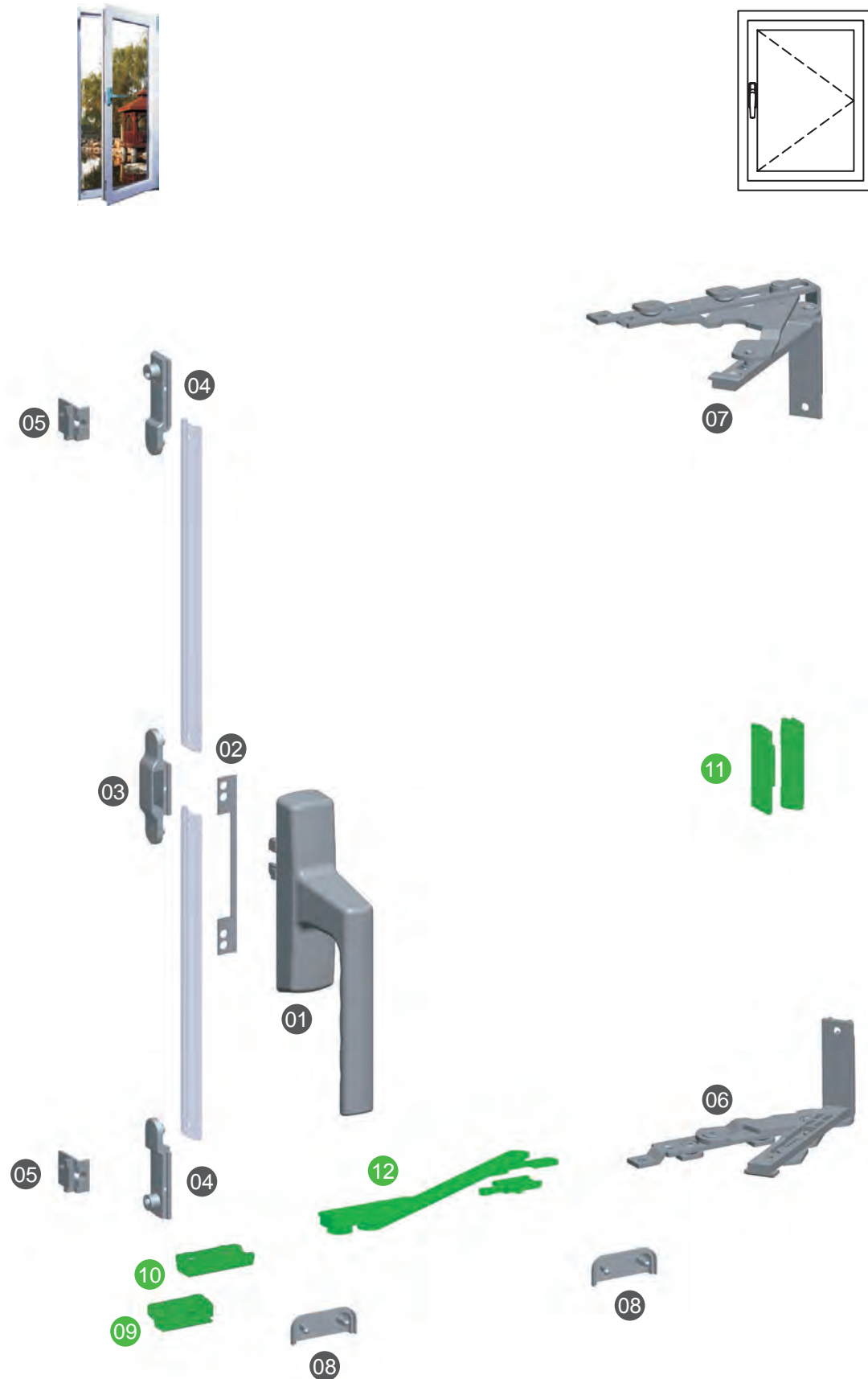
Optional hinges for reference:

Hinge N2C	Hinge J3	Hinge BHY20/I	Hinge LBHY22	For more hinges
				 Please refer to pages 113~119 of this catalogue.

Configuration instruction:

- ① Customers can select preferable handles by taking reference of handle series.
- ② The load bearing capacity of the pivot hinge refers to pivot hinge series in this catalogue.
- ③ Items in green are optional.
- ★ Suggest taking middle locking plate to prevent sash deformation and to ensure seal ability for large size window.
- ★ It is recommended to use with the casement window limiter to achieve the best effect. for the optional installation requirements of the limiter, please refer to the limiter series on pages 133~135 of this atlas.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

1-11 NP300 Series Concealed Open-in Side-hung Window With Two-point Lock On Single Side



Hardware Configuration for NP300 Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS39	1	Optional ①
02	Loose preventer	FSP10	1	
03	Main transmission rod	N55	1	
04	Side transmission rod	N39	2	
05	Locking plate	ZA1-6A	2	
06	Hinge	LYHE11-R	1	②
07	Hinge	LYHE11-L	1	
08	Waterproof cap	FSG-01	2	
09	Supporting block	N34A	1	③
10	Cushion block	N33A	1	
11	Middle locking plate	LSK72	1	
12	Limiter	LPX30	1	The length depends on window dimension

Optional handles for reference:

Handle LCZS58	Handle LCZS59	Handle LCZS66	Handle CZS219A	For more handles
				 Please refer to pages 94~111 of this catalogue.

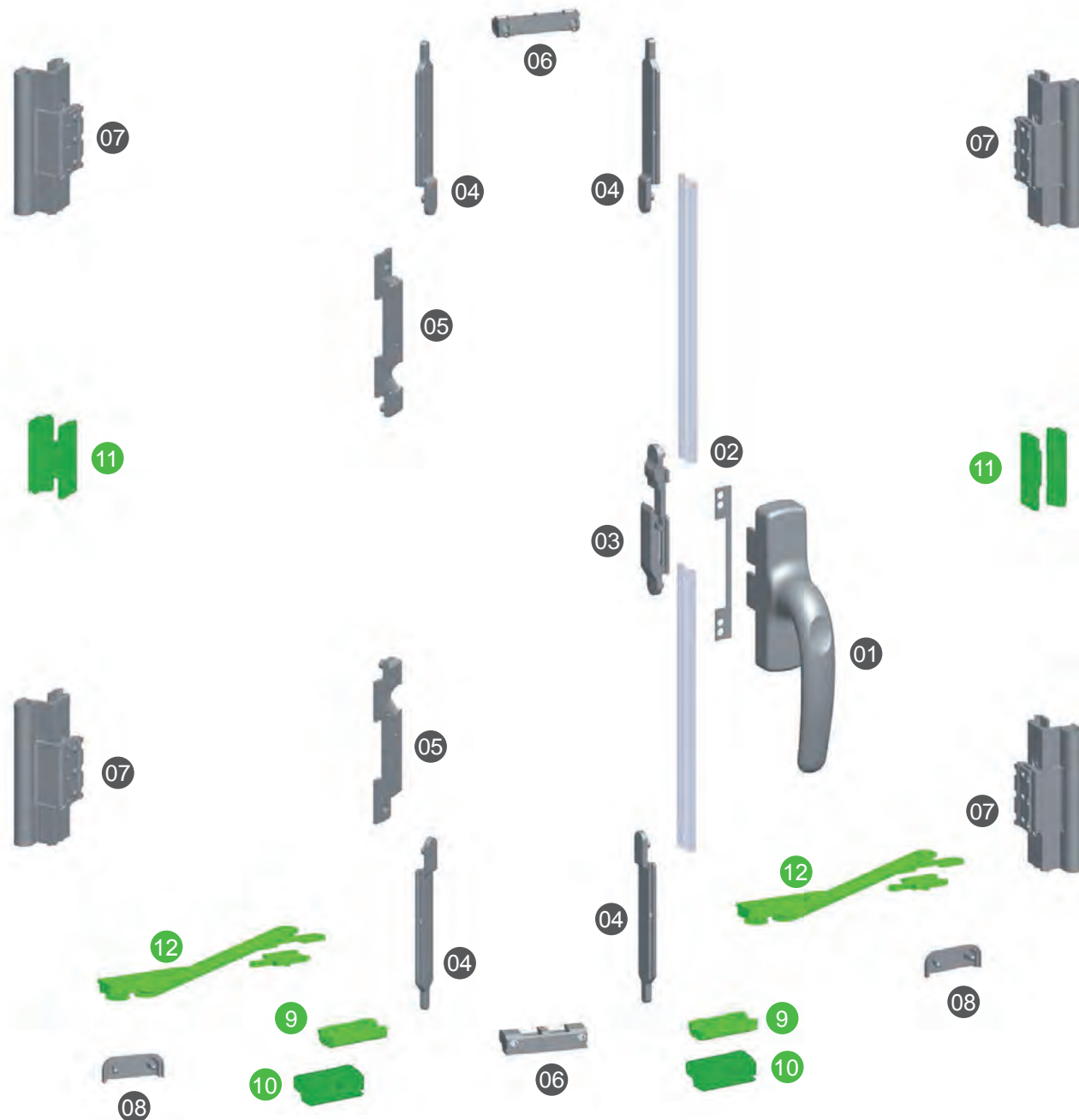
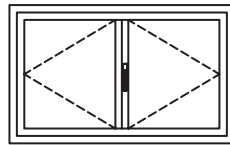
Optional hinges for reference:

Hinge LYHE15A	Hinge LYHE12	Hinge LYHEA31/LYHEB31A	For more hinges
			 Please refer to pages 113~119 of this catalogue.

Configuration instruction:

- ① Customers can select preferable handles by taking reference of handle series.
- ② The load bearing capacity of the pivot hinge refers to pivot hinge series in this catalogue. for hinge selection, please refer to pages 162~163 of this catalogue, "concealed hinge selection specifications" for adaptability proofreading.
- ③ Items in green are optional.
- ★ Suggest taking middle locking plate to prevent sash deformation and to ensure seal ability for large size window.
- ★ It is recommended to use with the casement window limiter to achieve the best effect. for the optional installation requirements of the limiter, please refer to the limiter series on pages 138~139 of this atlas.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

1-12 DK100 Series Double-leaf Window With C-groove And False Mullion



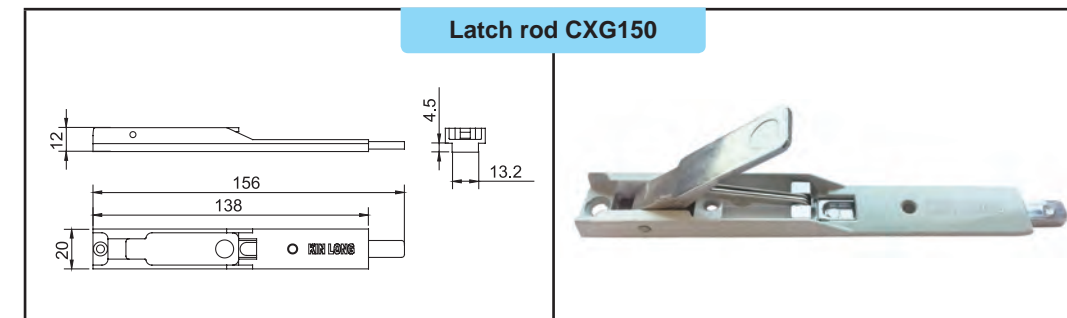
Hardware Configuration for DK100 Series

Number	Product name	Code	Quantity	Remark
01	Handle	CZS408	1	Optional ①
02	Loose preventer	FSP10	1	
03	Main transmission rod	NKS68	1	
04	Socket rod	CDG10B	4	
05	Push rod	TG-01	2	
06	Locking plate	SK20	2	Sliding window product
07	Hinge	N4B	4	Optional ②
08	Waterproof cap	FSG-01	2	
09	Cushion block	N33A	2	③
10	Supporting block	N34A	2	
11	Middle locking plate	SK70	2	
12	Limiter	LPX14	2	The length depends on window dimension

Optional hinges for reference:

Hinge N2C	Hinge J3	Hinge BHY20/I	Hinge LBHY22	For more hinges
				 Please refer to pages 113~119 of this catalogue.

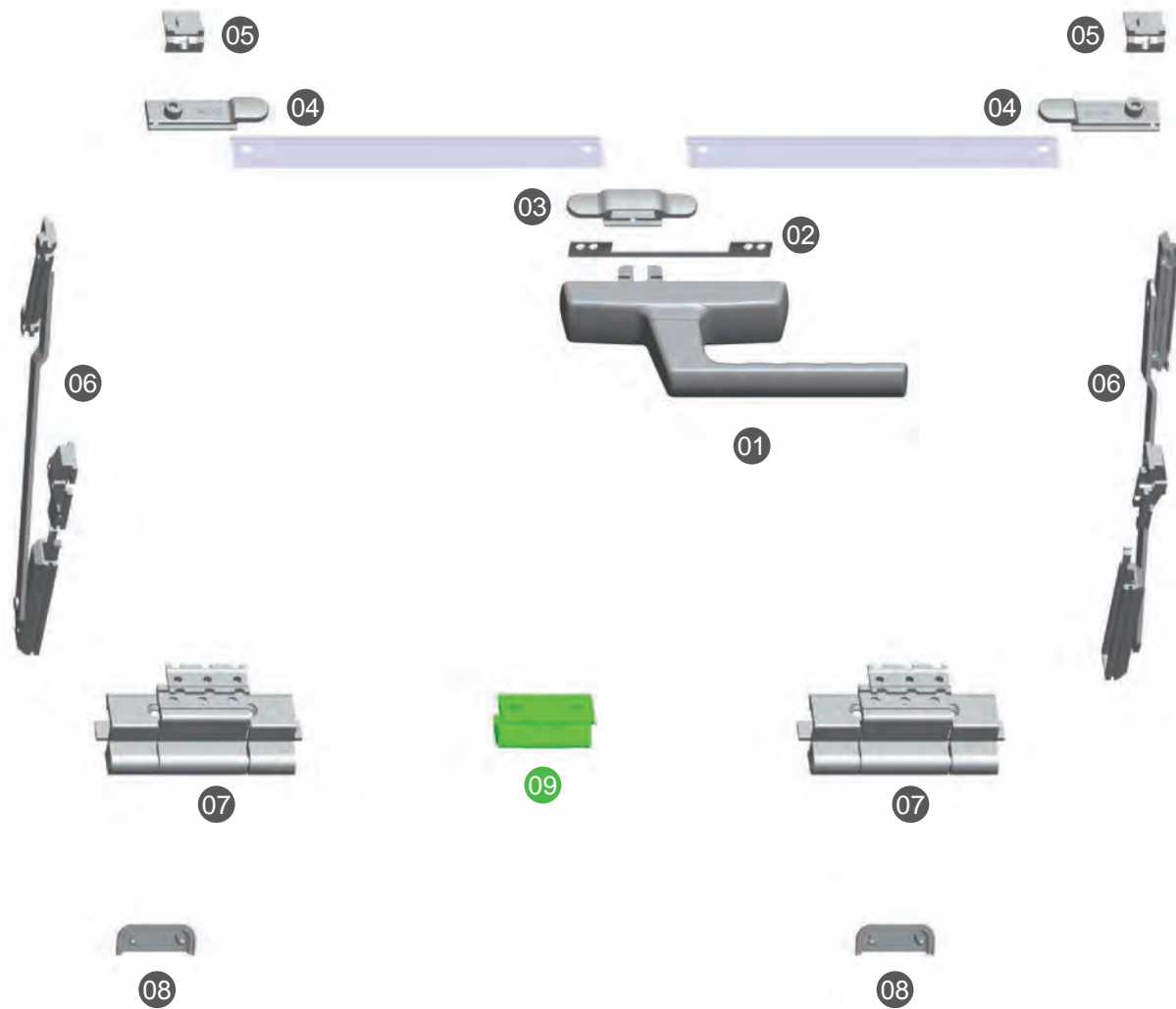
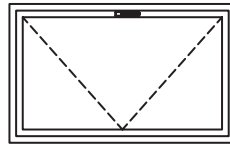
Optional hinges for reference:



Configuration instruction:

- ① The load bearing capacity of the pivot hinge refers to pivot hinge series of this catalogue.
- ② Items in green are optional.
- ★ Suggest taking middle locking plate to prevent sash deformation and to ensure seal ability for large size window.
- ★ It is recommended to use with the casement window limiter to achieve the best effect. for the optional installation requirements of the limiter, please refer to the limiter series on pages 133~135 of this atlas.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

1-13 ND100 Series Hopper Window With C-groove



Hardware Configuration for ND100 Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS39	1	Optional ①
02	Loose Preventer	FSP10	1	
03	Main Transmission Rod	N55	1	
04	Side Transmission Rod	N39	2	
05	Locking Plate	ZA1-6A	2	
06	Hopper Window Restrictor	NDPX-2A	2	
07	Pivot Hinge	N4B	2	Optional ②
08	Waterproof Cap	FSG-01	2	
09	Middle Locking Plate	SK70	1	③

Optional handles for reference:

Handle LCZS58	Handle LCZS59	Handle LCZS66	Handle CZS219A	For more handles
				 please refer to pages 94~111 of this catalogue.

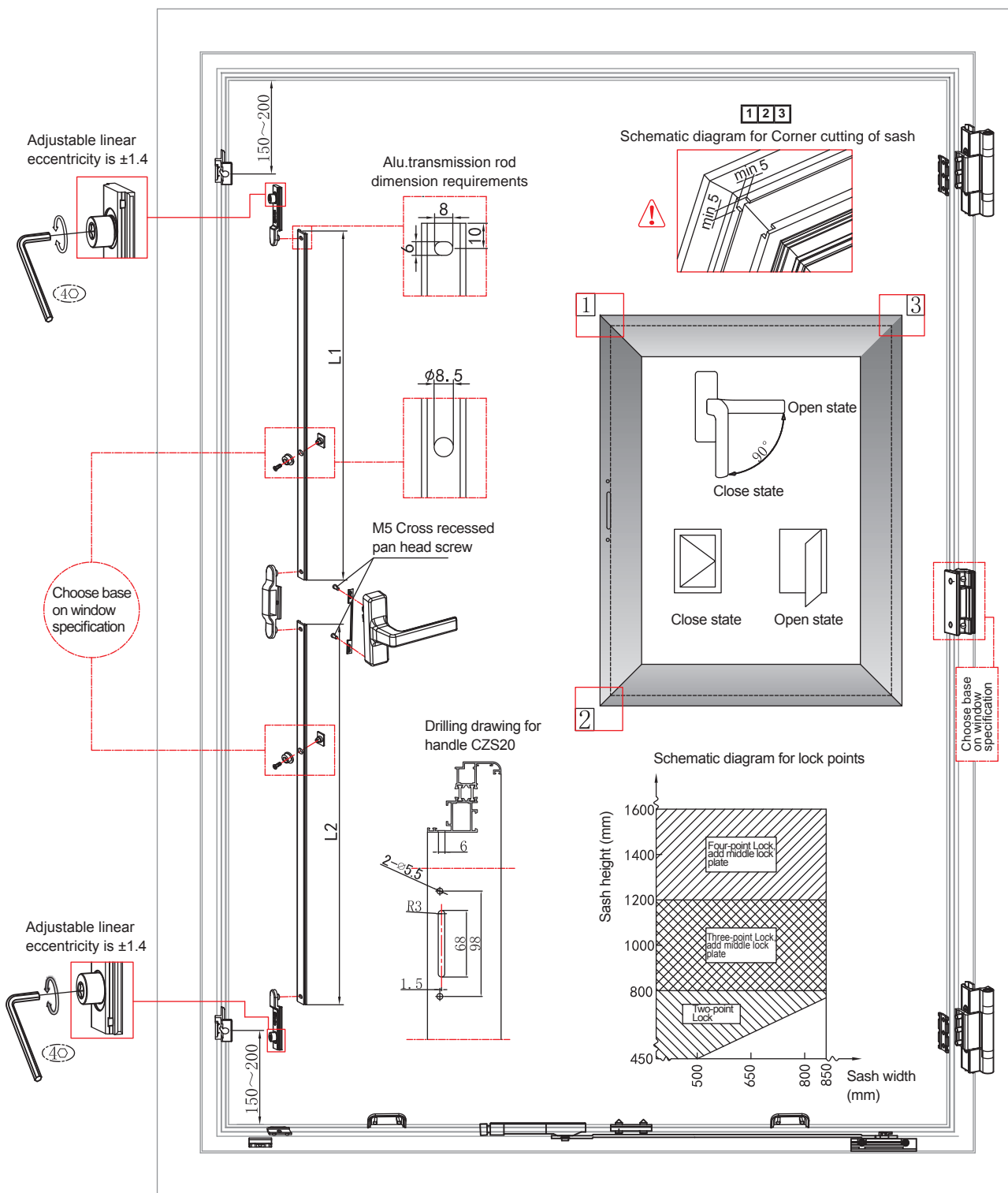
Optional hinges for reference:

Hinge N2C	Hinge BHY20/I	Hinge LBHY22	For more hinges
			 please refer to pages 113~119 of this catalogue.

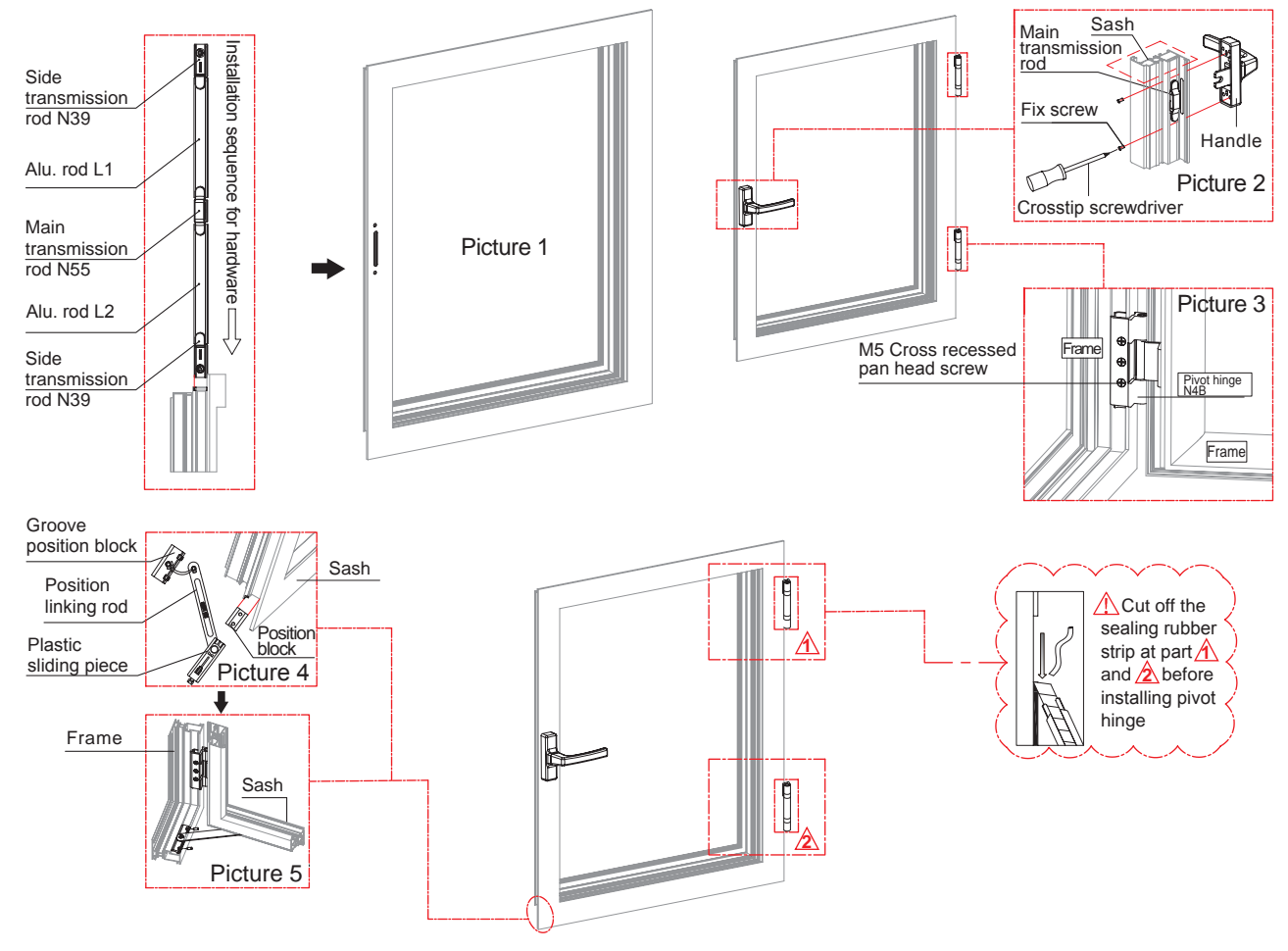
Configuration instruction:

- ① Customers can select preferable handles by taking reference of handle series.
- ② Maximum load bearing capacity is 50KG.
- ③ Items in green are optional.
- ★ If it's needed to install the handle on the side, please consult the technical department for specific installation.
- ★ Suggest taking middle locking plate to prevent sash deformation and to ensure seal ability for large size window.
- ★ This configuration is not suitable for open-out & tilt and top hung window.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

Open-in & Side-hung Window Series Schematic Diagram for Window With Multi-point Lock On Single Side



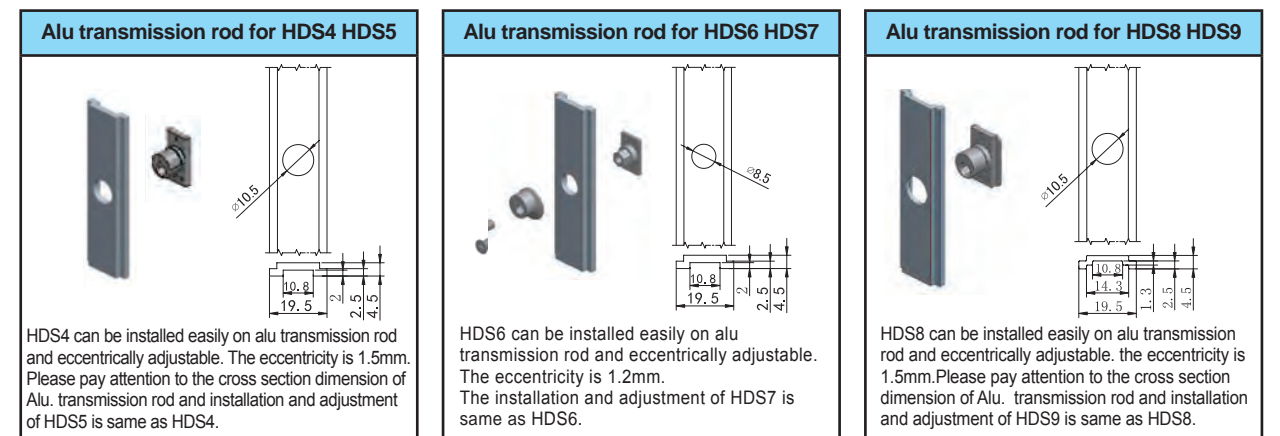
Open-in & Side-hung Window Series Installation Instructions for Window With Multi-point Lock On Single Side



Installation Diagram For Active Lock Points

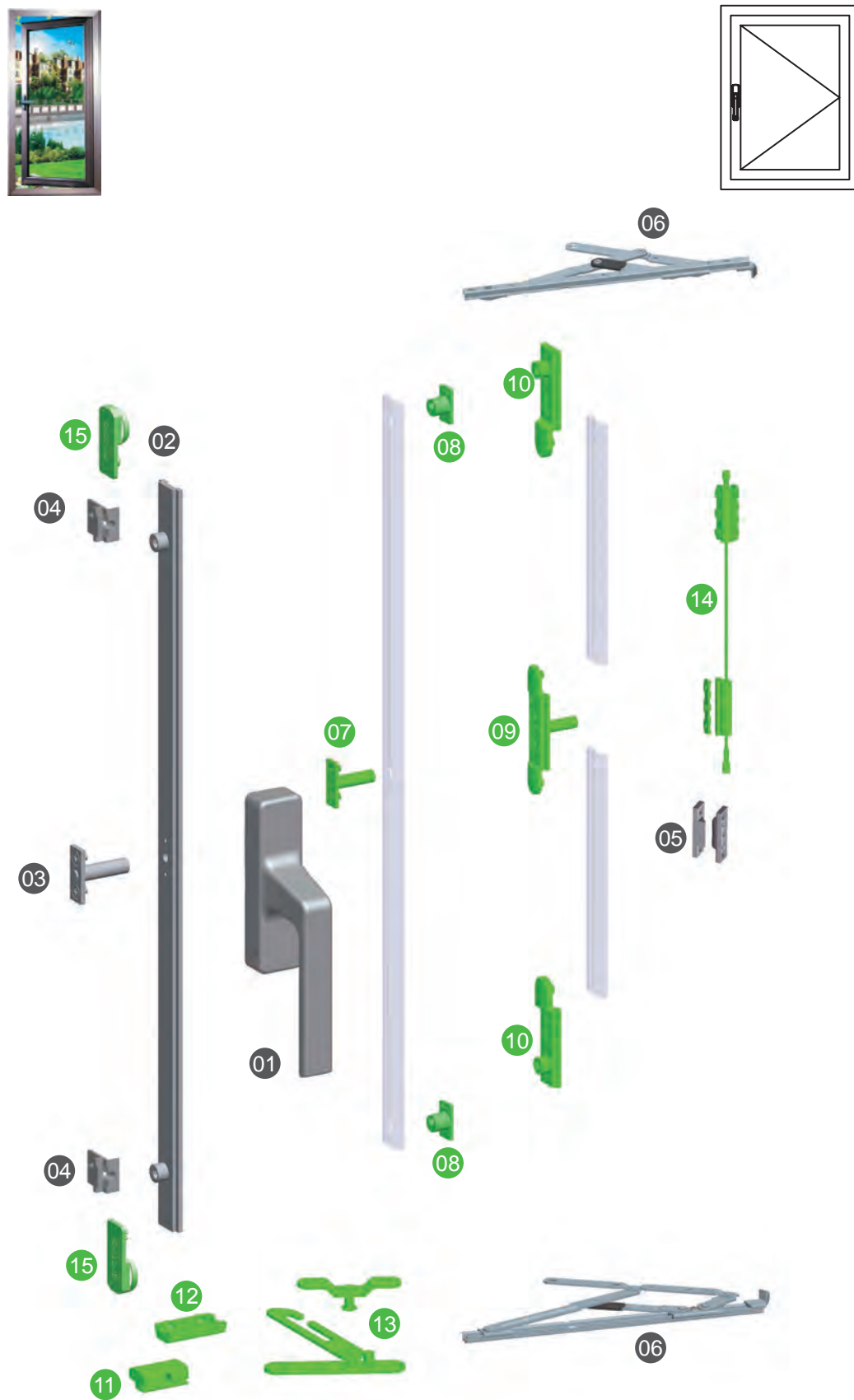
The characteristic of active locking point

- 1, It is convenient to be installed by the users, meanwhile saving the costs of profile;
- 2, The direction and revealed height of locking plate could be adjusted according to the actual situation, which will solve the problem about the different gaps between sash and frame.



⚠ Note: When the actual hardware selected is inconsistent with the product shown in the figure, please open hole according to the selected hardware hole opening diagram. The above diagram is just for profile and installation reference.

2-1 WK100 Series Open-out Side Hung Window With C-groove



Hardware Configuration for WK100 Series

Number	Product name	Code	Quantity	Remark
01	Handle (left & right)	CZS320	1	Optional ①
02	Alu. transmission rod	LZDC02-L-LG	1	The length depends on window dimension ②
03	Linking rod	ZCD-08	1	Include 2 pcs M4*6 screws
04	Locking plate	ZA1-6A	2	
05	Middle locking plate	LSK76	1	
06	Open-out friction stay	HCC40A	2	Product of friction stay & peg stay division
07	Linking rod	ZCD-08	1	Include 2 pcs M4*6 screws
08	Active lock point	HDS4	2	Refer to active lock point operation instruction ③
09	Main transmission rod	ZCD75	1	Exposed pin size is 22mm
10	Side transmission rod	N39	2	
11	Supporting block	N34A	1	
12	Cushion block	N33A	1	
13	Safety lock hook	AQQ01	1	(Left & right) ④
14	Safety disengagement preventer	FTQ25/I	1	Product of friction stay & peg stay division ⑤
15	Mute block	JYK30	2	⑥

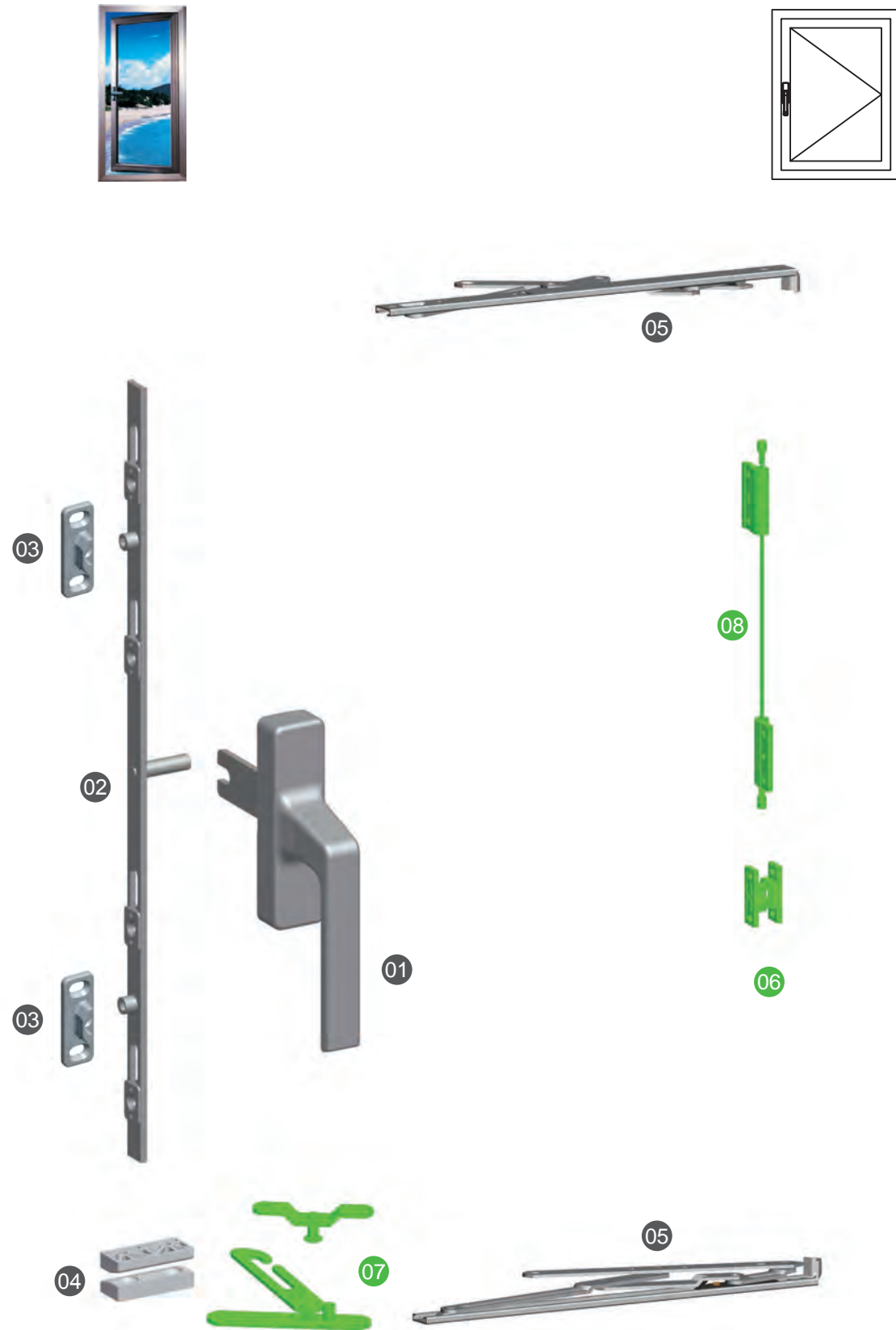
Optional handles for reference:

Handle LCZS3320	Handle K320	Handle CZS132	Linking Rod ZCD-08	For more handles ...
				 please refer to pages 94~111 of this catalogue.

Configuration instruction:

- ① Customers can select preferable handles taking reference to handle series.
- ② The length of all the transmission rods and the number of locking points on the transmission rods are determined according to the size of the window (window height 1200mm, it is recommended that the user has 3 locking points or more).
- ③ Please refer to page 57 of this catalogue for the instructions of using the active locking point.
- ④ Items in green are optional and the safety locking hook can increase the safety of open-out window, especially in public area and rooms for the elder and children.
- ⑤ Safety disengagement preventer is suggested for high-rise side -hung windows.
- ⑥ Increase the mute block, which can effectively improve the mute effect and create a beautiful and quiet atmosphere. (The holes for the installation of the mute block needs to be opened by the customer)
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-out side-hung window hardware system and profile size matching requirements)
- ★ For the installation and adjustment of the product, please refer to pages 54~55 of this catalogue.
- ★ As shown in the picture above: 3 # accessory "main transmission rod ZCD-08", when the length of the spindle is customized according to customer requirements, the length value of L in the picture should be uniformly marked in the order. (L length value is customized in increments/decrements of 1mm)

2-2 WK500 Series Open-out Side Hung Window Without Groove



Hardware Configuration for WK500 Series

Number	Product name	Code	Quantity	Remark
01	Handle (left & right)	CZS320	1	Optional ①
02	Alu transmission rod	LZDG01	1	The length depends on window dimension ②
03	Locking plate	LSK45	2	
04	Anti-drop piece	1630FJS-16	2	
05	Friction stay	HC510	2	Product of friction stay & peg stay division and dimension depends on window size ③
06	Middle locking plate	LSK76	1	④
07	Safety locking hook (left & right)	AQQ02	1	⑤
08	Safety disengagement preventer	FTQ25	1	Product of friction stay & peg stay division ⑥

Optional handles and friction stays for reference:

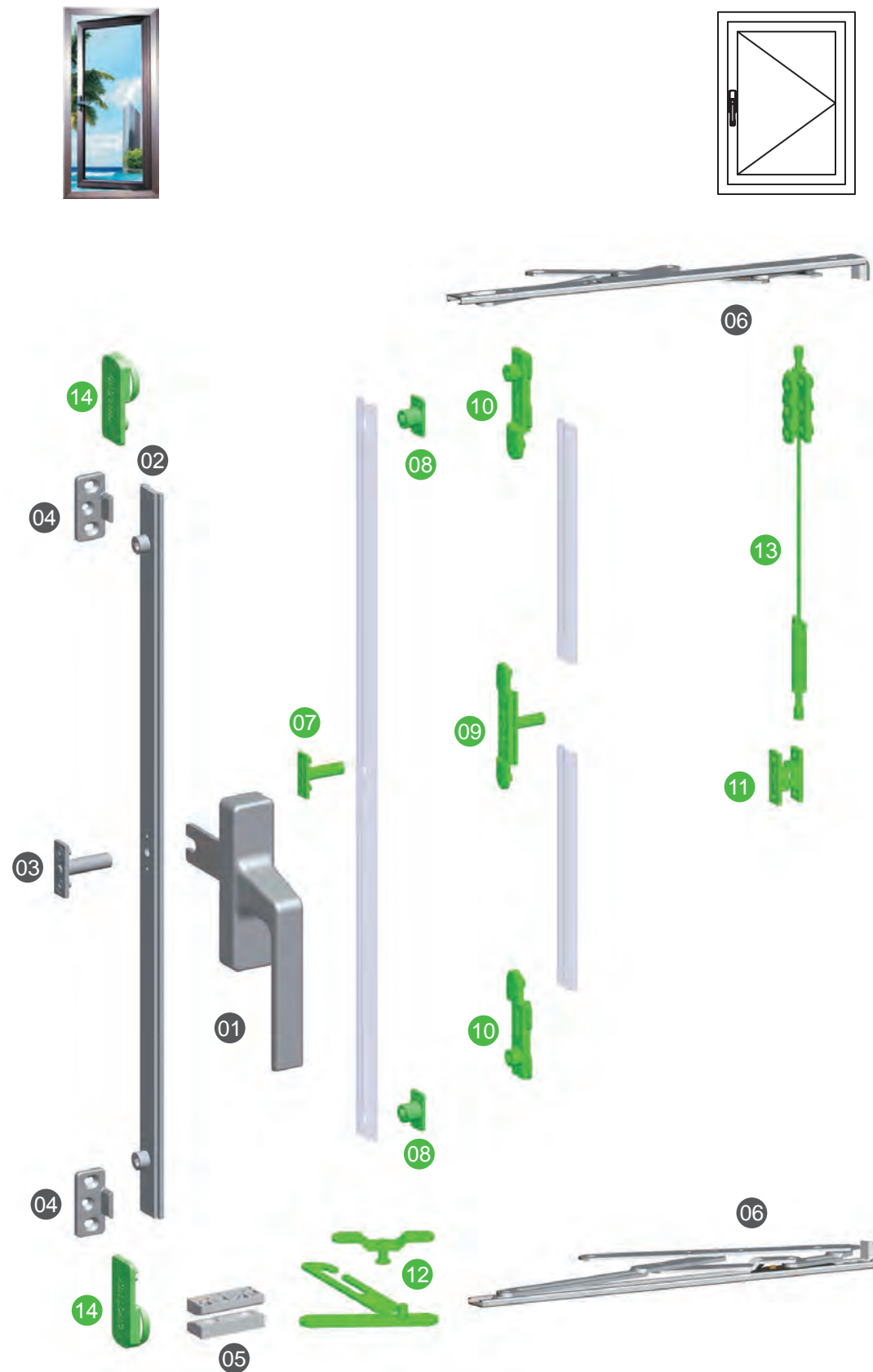
Handle LCZS3320	Handle K320	Handle CZS132	Handle LCZS366	For more handles
				 Please refer to pages 94~111 of this catalogue.

Friction stay HC400A	Friction stay HC450	Friction stay HC420	Friction stay HC411

Configuration instruction:

- ① Customers can select preferable handles by taking reference of handle series.
- ② Length of transmission rod and quantity of locking point depends on window dimensions. (Three or more lock points are suggested if the window height $\geq 1200\text{mm}$).
- ③ The friction stay is selected according to the specific window size according to the introduction of the sliding support series.
- ④ Items in green are optional and in order to meet configuration of large size window, please add middle locking plate to prevent the sash from deforming and maintain the sealing performance of windows.
- ⑤ The safety locking hook can increase the safety of open-out window, especially in public area and rooms for the elder and children.
- ⑥ Safety disengagement preventer is suggested for high-rise side-hung windows.
- ★ Adaptation requirements: non-groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-out side-hung window hardware system and profile size matching requirements)

2-3 WK700 Series Open-out Side Hung Window With C-groove In Single Side



Hardware Configuration for WK700 Series

Number	Product name	Code	Quantity	Remark
01	Handle(left & right)	CZS320	1	Optional ①
02	Alu transmission rod	LZDC01-L-LG	1	The length depends on window dimension ②
03	Linking rod	ZCD-08	1	Including 2 piece of M4*6 screws
04	Locking plate	SK32B	2	
05	Anti-drop piece	1630FJS-16	2	
06	Friction stay	HC510	2	Product of friction stay & peg stay division the size depend on window dimension ③
07	Linking rod	ZCD-08	1	Including 2 piece of M4*6 screws
08	Active lock point	HDS5	2	Please see instruction of active locking point ④
09	Main transmission rod	ZCD75	1	
10	Side transmission rod	N38A	2	
11	Middle locking plate	LSK76	1	⑤
12	Safety lock hook(left & right)	AQQ02	1	⑥
13	Safety disengagement preventer	FTQ25/I-S	1	Product of friction stay& peg stay division ⑦
14	Mute block	JYK30	2	⑧

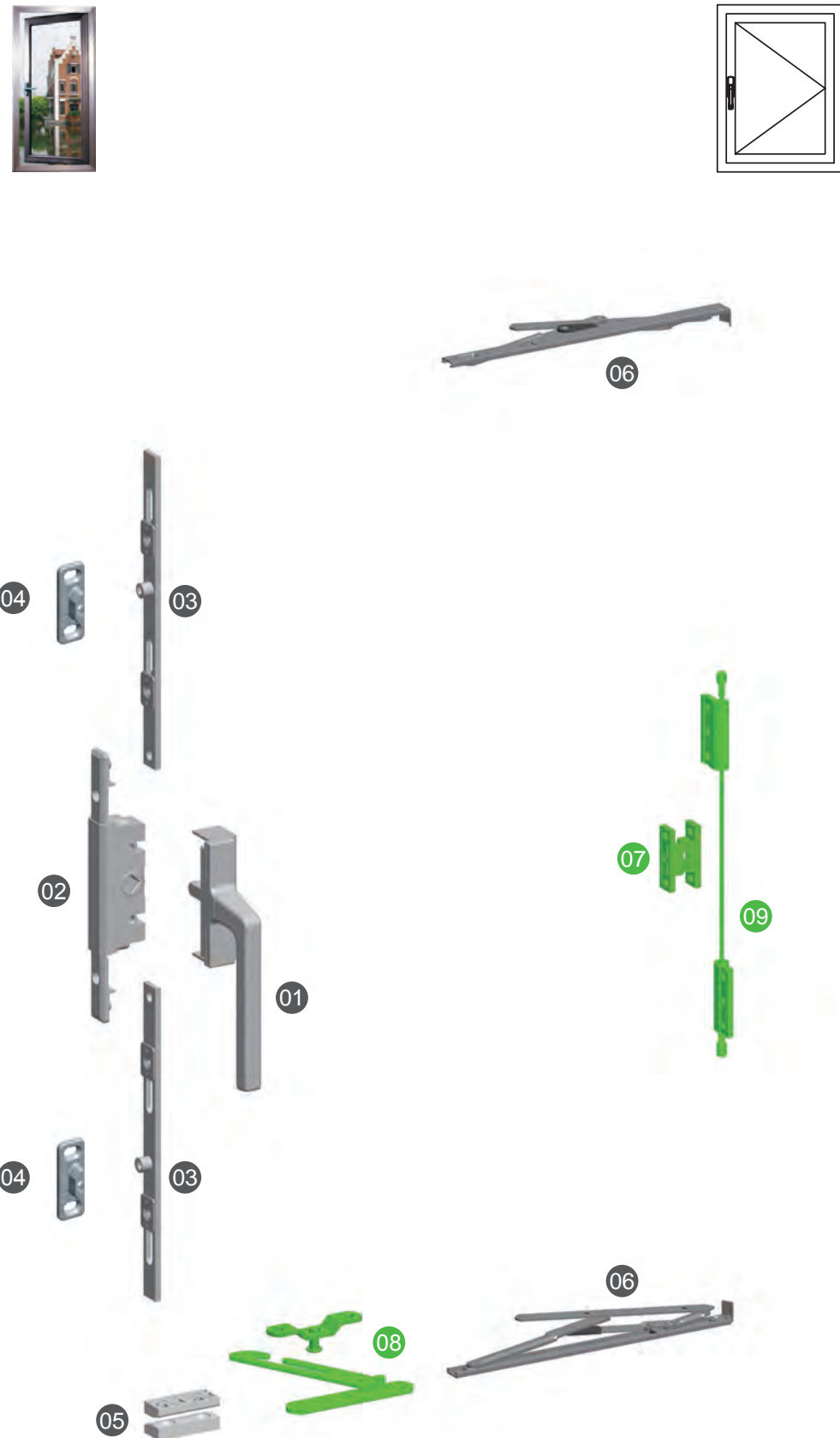
Optional handles and friction stays for reference:

Handle LCZS3318	Handle CZS132	Friction stay HC400A	Linking Rod ZCD-08	For more handles ...

Configuration instruction:

- ① Customers can select preferable handles taking reference to handle series.
- ② The friction stay is selected according to the specific window size according to the introduction of the sliding support series.
- ③ Length of Transmission rod and quantity of locking point depends on window dimensions. (Three or more lock points are suggested if the window height ≥1200mm).
- ④ Please refer to page 45 of this catalogue for the instructions of using the active locking point.
- ⑤ Items in green are optional and in order to meet configuration of large size window, please add middle locking plate to prevent the sash from deforming and maintain the sealing performance of windows.
- ⑥ The safety locking hook can increase the safety of open-out window, especially in public area and rooms for the elder and children.
- ⑦ Safety disengagement preventer is suggested for high-rise side-hung windows.
- ⑧ Increase the mute block, which can effectively improve the mute effect and create a beautiful and quiet atmosphere. (The holes for the installation of the mute block needs to be opened by the customer)
- ★ Adaptation requirements: single side C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-out side-hung window hardware system and profile size matching requirements)
- ★ As shown in the picture above: 3 # accessory "main transmission rod ZCD-08", when the length of the spindle is customized according to customer requirements, the length value of L in the picture should be uniformly marked in the order. (L length value is customized in increments/decrements of 1mm)

2-4 WK900 Series Open-out Side Hung Window Without Groove



Hardware Configuration for WK900 Series

Number	Product name	Code	Quantity	Remark
01	Handle	P20	1	Standard exposed length of square steel 14, 26, 32mm
02	Transmitter	CDQ10	1	Center distance is adjustable
03	Transmitter	LZDG05	2	The length depends on window dimension ①
04	Locking plate	LSK45	2	
05	Anti-drop piece	1630FJS-16	2	
06	Friction stay	HC400A	2	Product of friction stay & peg stay division The size depends on window dimension ②
07	Middle locking plate	LSK76	1	③
08	Safety lock hook (left & right)	AQQ02	1	④
09	Safety disengagement preventer	FTQ25	1	Product of friction stay & peg stay division ⑤

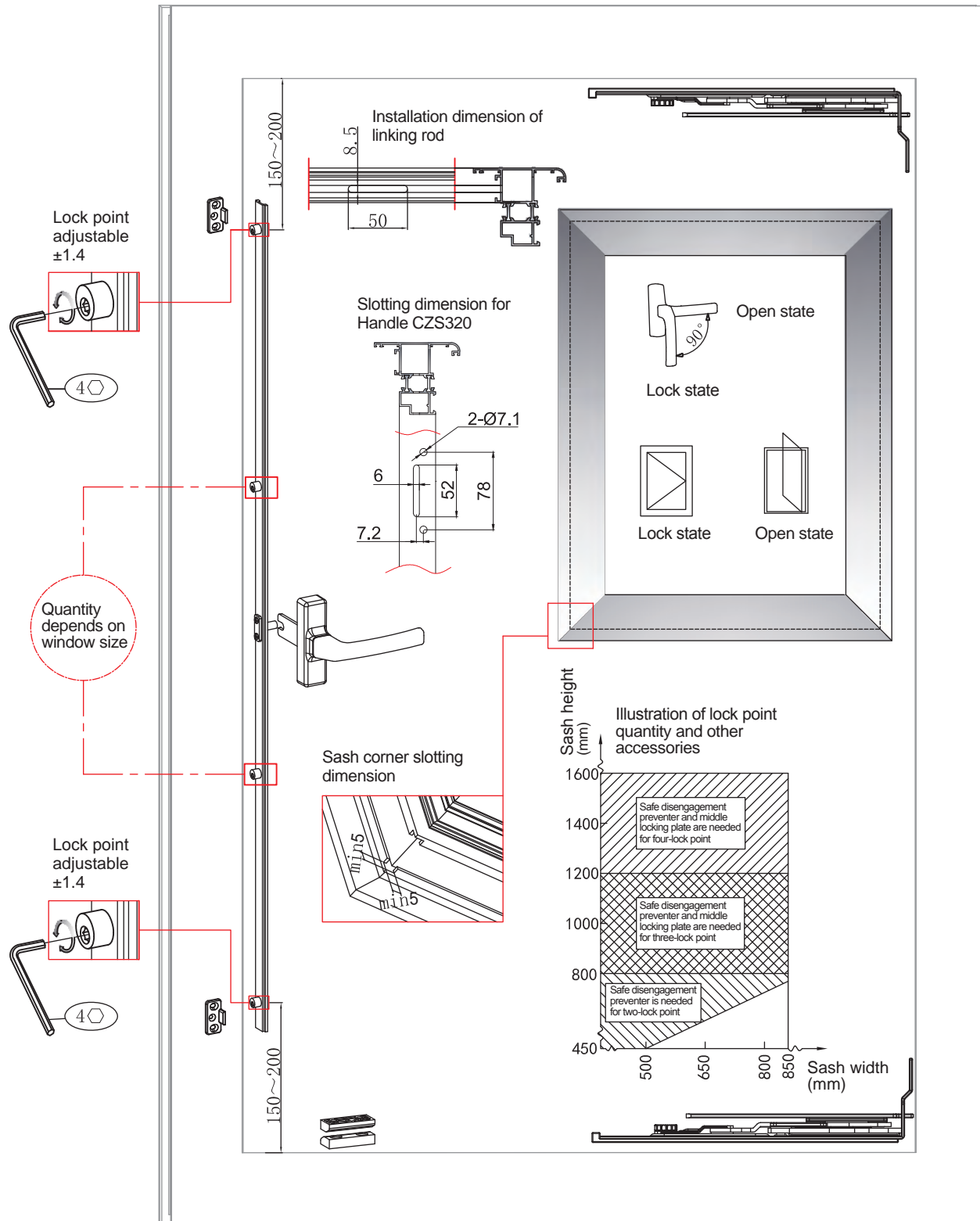
Optional friction stays for reference:



Configuration instruction:

- ① Length of transmission rod and quantity of locking point depends on window dimensions. (Three or more lock points are suggested if the window height $\geq 1200\text{mm}$)
- ② The friction stay is selected according to the specific window size according to the introduction of the sliding support series.
- ③ Items in green are optional, and applicable to screen window.
- ④ The safety lock hook improves the safety factor of open-out window, especially in public area and rooms for the elder and children.
- ⑤ Safety disengagement preventer is suggested for high-rise side-hung windows.
- ★ Adaptation requirements: non-groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-out side-hung window hardware system and profile size matching requirements)

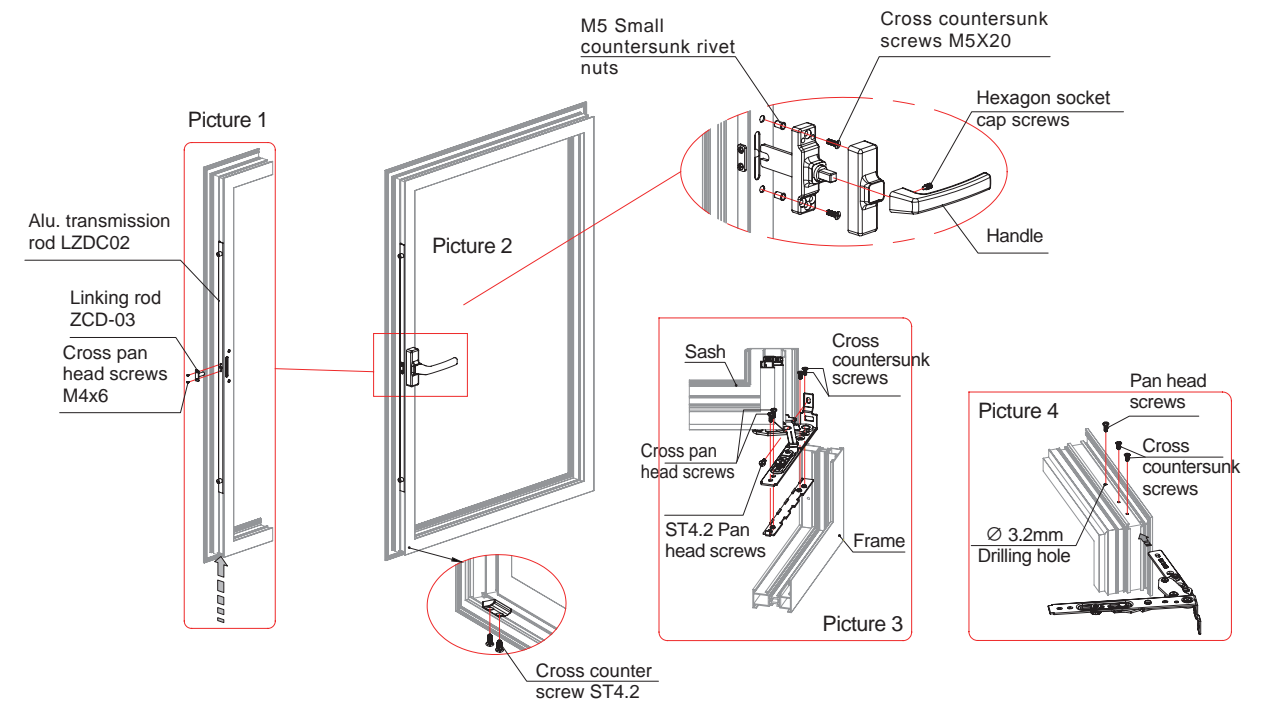
Adjustment Illustration for Open-out Side Hung Window With Multi-point Lock On Single Side



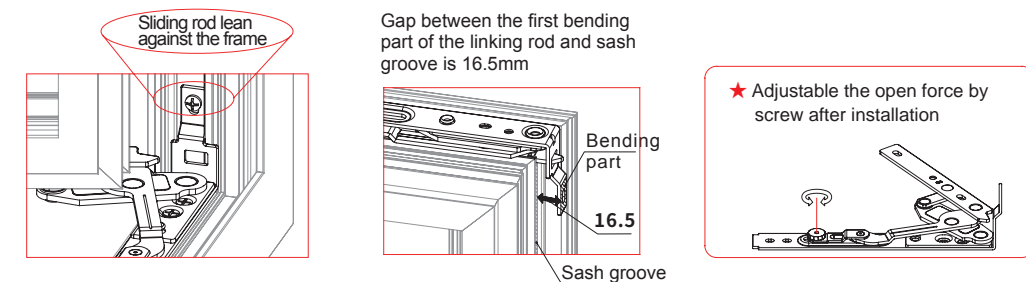
Installation Illustration for Open-out Side Hung Window With Multi-point Lock On Single Side

★ Installation sequence for hardware

Please follow the steps as picture 1, 2, 3.....

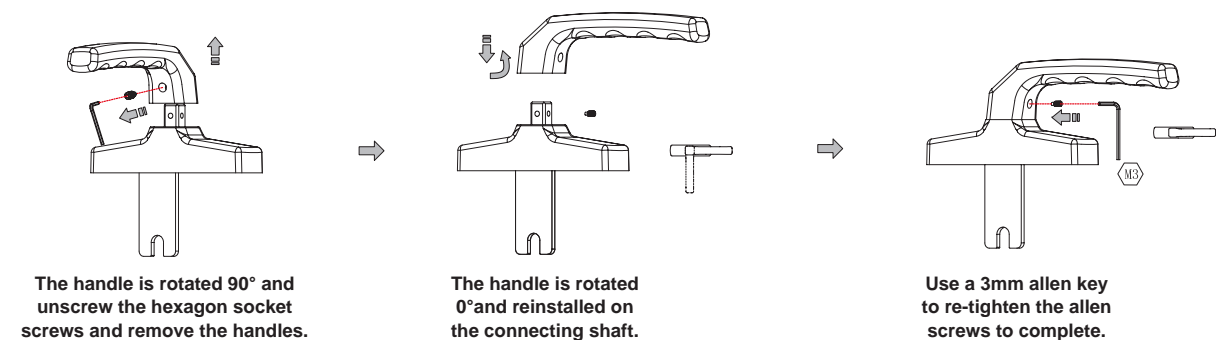


★ Installation precautions

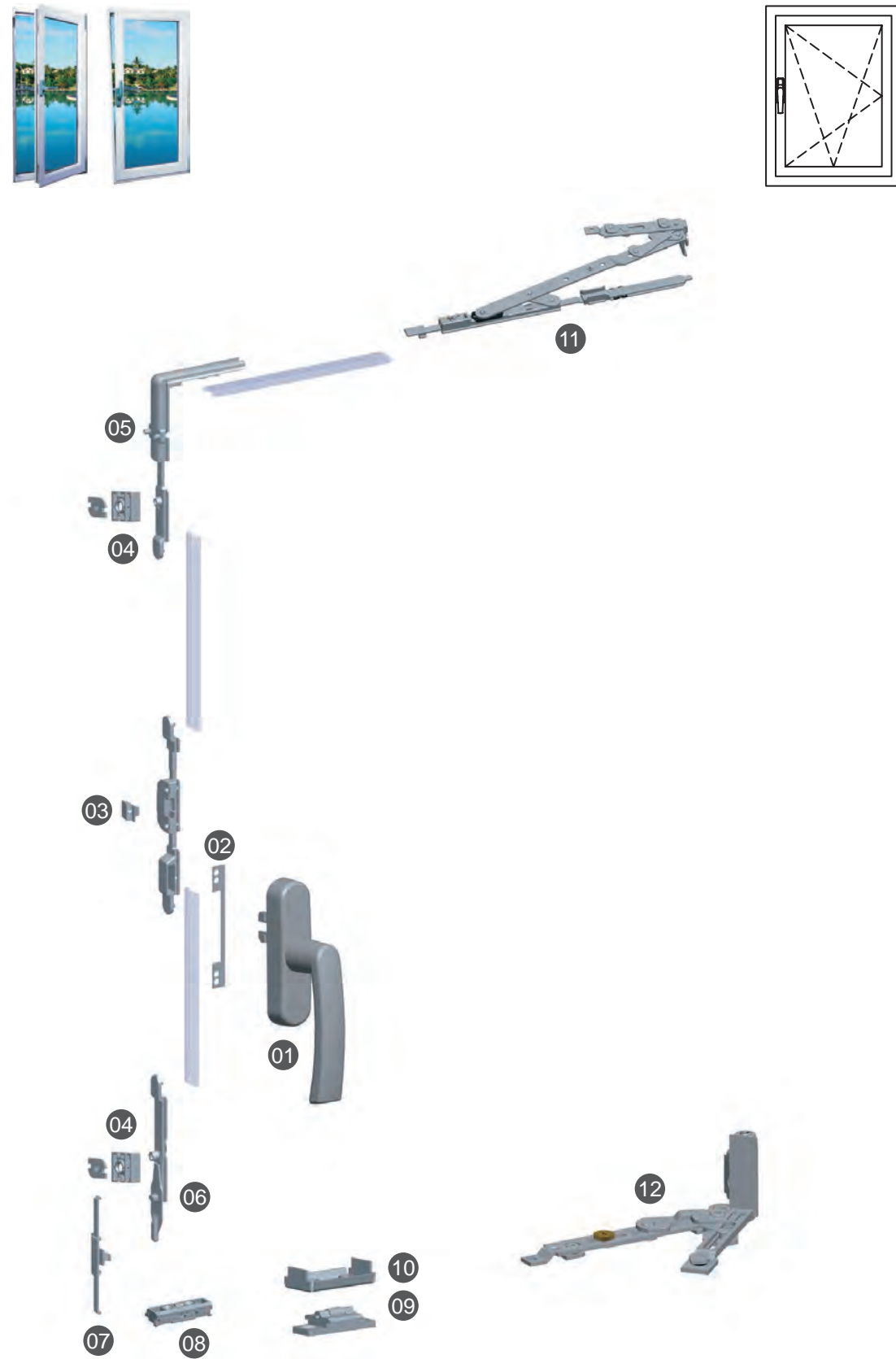


⚠ Noted: When it comes to the situation that the hardware does not match with the list, please follow the reality and take refer to this instruction for installation.

Handle Left And Right To Indicate



3-1 NHNPD 100 Series Turn&tilt Fire Resistant Window Hardware System



Hardware Configuration for NHNPD100 Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS91	1	Optional
02	Loose preventer	FSP10	1	
03	Misuse preventer	FWG10A	1	Include small locking plate
04	Locking plate	SK36	2	Optional ①
05	Corner device	ZA1	1	
06	Overturn supporter	N50	1	
07	Disengagement preventer	N31	1	
08	Supporting block	LN54	1	
09	Supporting block	LZCK02	1	②
10	Cushion block	LZCK03	1	
11	Upper pivot hinge	LYHPS30	1	Left & right, optional ③④
12	Bottom pivot hinge	LYHDX30	1	

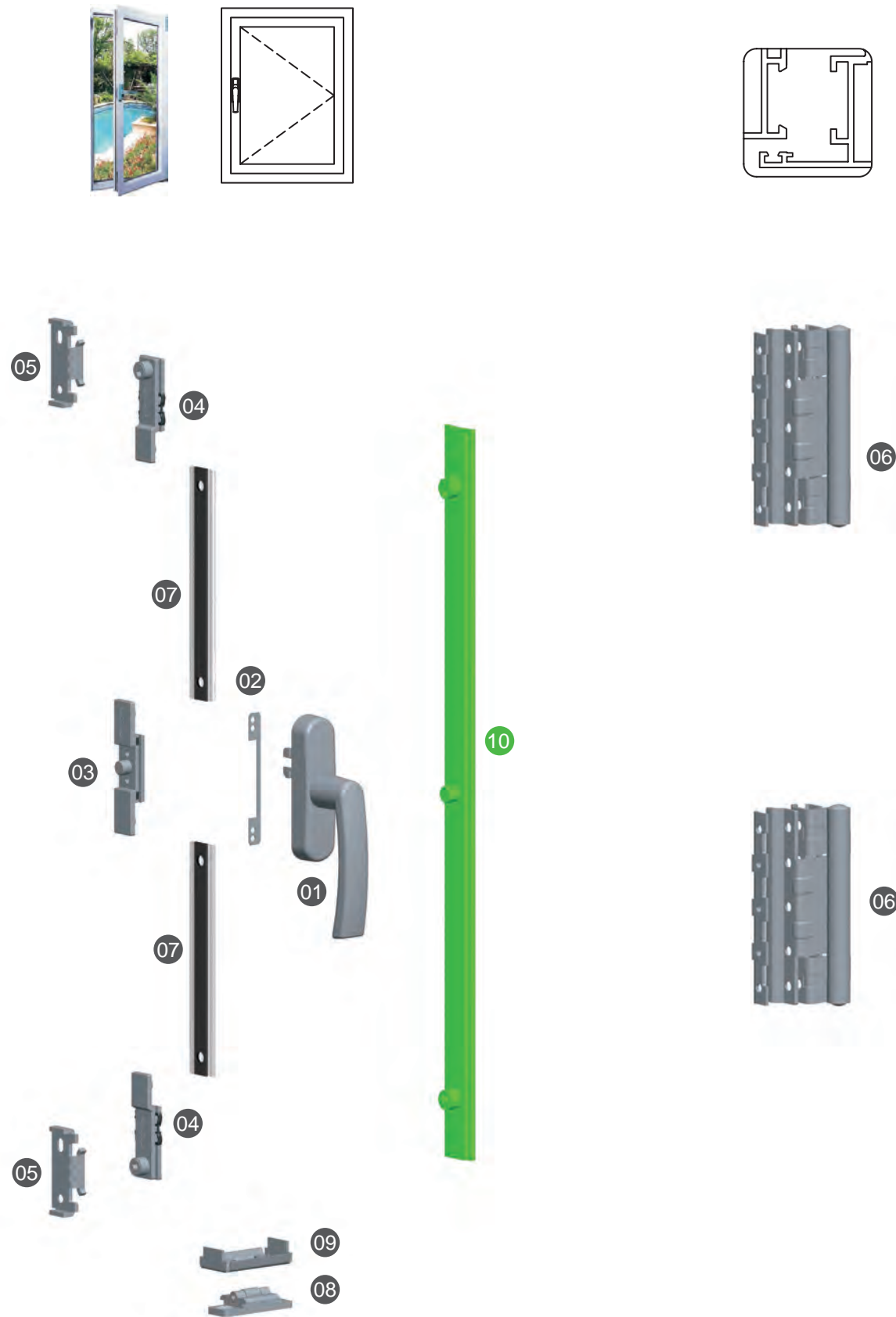
Optional accessories for reference:

Hinge LYHPS40/LYHDX40	Locking plate LSK43

Configuration instruction:

- ① It is recommended to keep the lock point distribution distance within 400mm.
- ② Stainless steel support structure to avoid deformation and sagging of the window sash when heated.
- ③ Suitable for sash slot width 550-800mm, sash slot height 600-1500mm. For window configurations with a sash width in the range of 380-550mm, the 11 # accessory can be replaced with LYHPS01. (height and width refer to the distance between the edge of window sash.)
- ④ The basic bearing capacity is 90Kg. it is recommended to keep the window type ratio (Height / Width) at 1.5: 1, for hinge selection, please refer to pages 138~139 of this catalogue, "concealed hinge selection specifications" for adaptability proofreading.
- ★ It is recommended to use with the casement window limiter to achieve the best effect. for the optional installation requirements of the limiter, please refer to the limiter series on pages 133~135 of this atlas.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

3-2 NHNP100 Series Open-in Side Hung Fire Resistant Window Hardware System



Hardware Configuration for NHNP100 Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS91	1	Optional
02	Loose preventer	FSP10	1	
03	Main transmission rod	N85	1	
04	Side transmission rod	N43	2	
05	Locking plate	LSK43	2	Optional ①
06	Hinge	LBHY22	2	Optional ②
07	Refractory rod	NHG01-L	2	Depending on window type specifications ③
08	Supporting block	LZCK02	1	④
09	Supporting block	LZCK03	1	
10	Refractory rod	NHG03-L	1	Depending on window type specifications

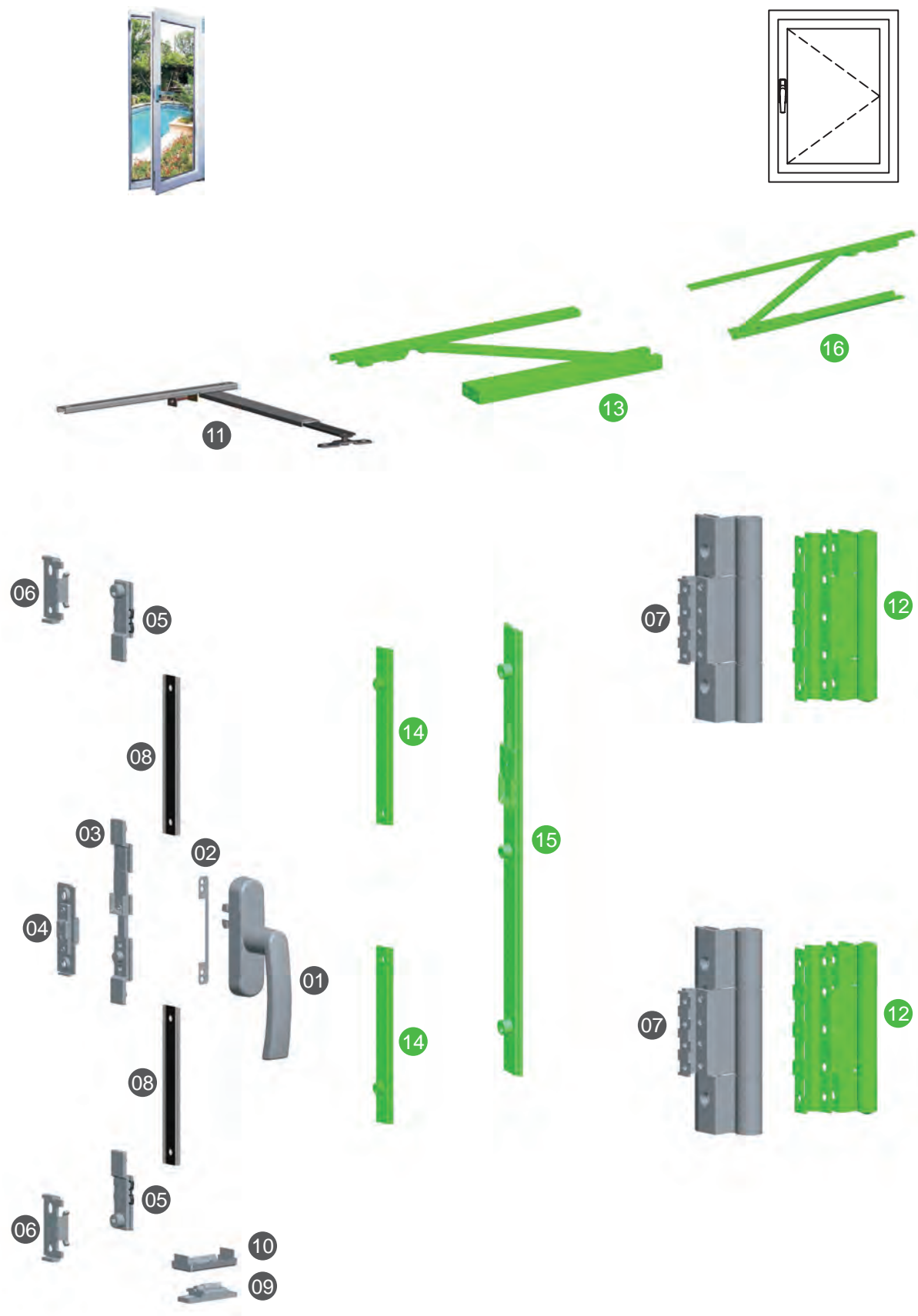
Optional accessories for reference:

Hinge LYHE12	Hinge LYHE15A	Hinge BHY20/I	Locking plate SK36

Configuration instruction:

- ① This configuration defaults to open-in side-hung fire-resistant windows, and it is recommended to keep the lock point distribution distance within 400mm.
- ② For the bearing performance of the hinge, please refer to the hinge series in this catalogue.
- ③ The length of the refractory rod can be customized according to the window height. (Gradually increasing by 50mm; the shortest 50 mm).
- ④ Stainless steel support structure to avoid deformation and sagging of the sash when heated. .
- ⑤ Item in green are optional hardware.
- ★ It is recommended to use with the casement window limiter to achieve the best effect. for the optional installation requirements of the limiter, please refer to the limiter series on pages 133~135 of this atlas.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

**3-3 FHNP200 Series Open-in Side Hung Fireproof Window Hardware System
(Temperature Control Automatic Closing Window Type)**



Hardware Configuration for FHNP200 Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS91	1	Optional
02	Loose preventer	FSP10	1	
03	Lock transmission rod	LSCDG11	1	
04	Skew lock	LKS11A	1	Left & right, inside open right window for right
05	Side transmission rod	N43	2	
06	Locking plate	LSK43	2	①
07	Hinge	LCJ9	2	②
08	Refractory rod	NHG01-L	2	Depending on window type specifications ③
09	Supporting block	LZCK02	1	④
10	Supporting block	LZCK03	1	
11	Temperature control peg stay	LFX10A	1	⑤
12	Hinge	LBHY22	2	Optional
13	Temperature control window closer	LBCQ10	1	Left&Right, depending on window type specifications
14	Refractory rod	NHG05-L	2	Depending on window type specifications ⑥
15	Lock Transmission rod	LSCDG12-L	1	Depending on window type specifications
16	Temperature control window closer	LBCQ11	1	Left & right

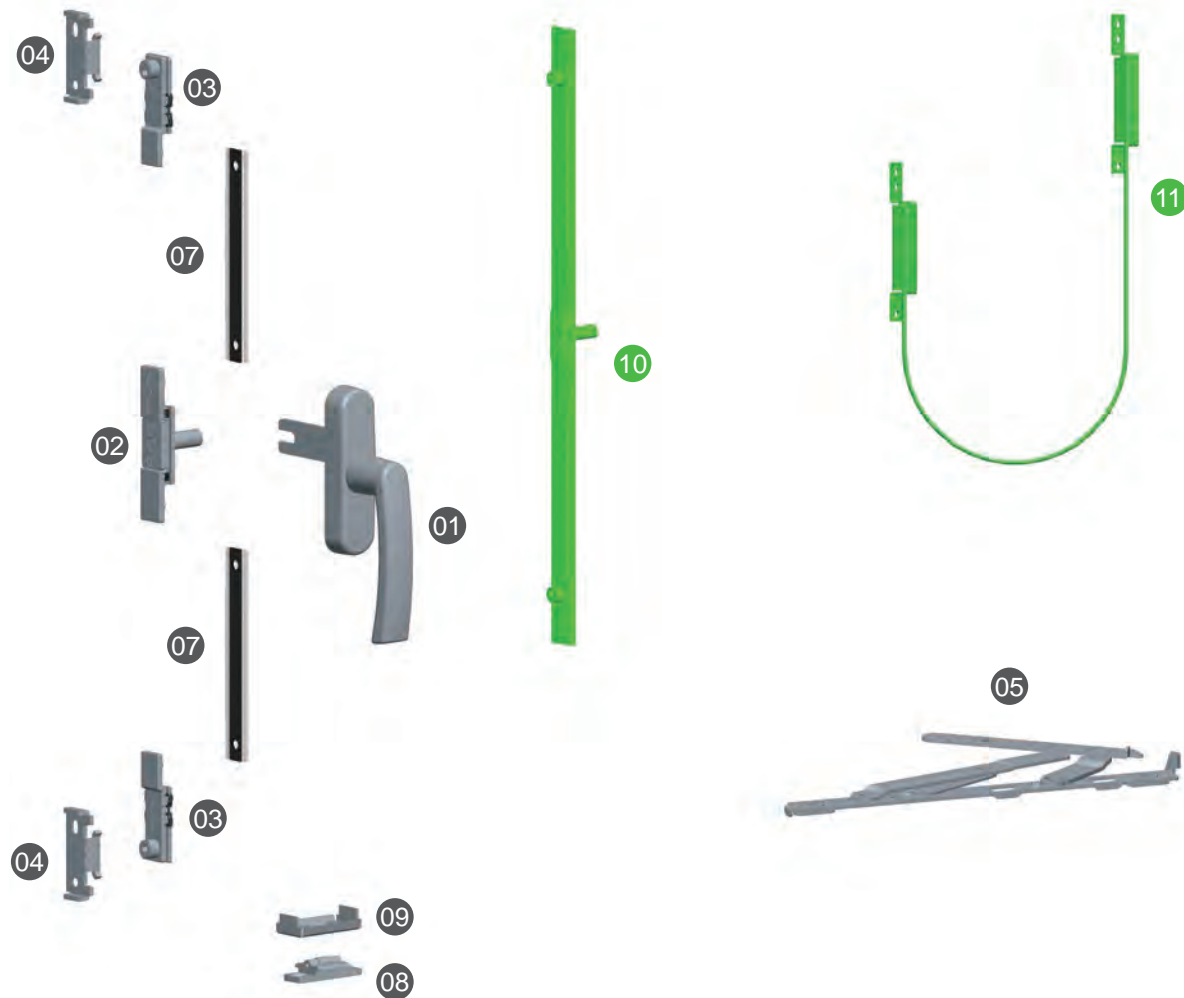
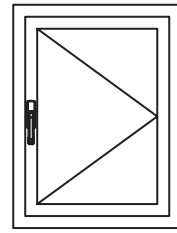
Optional accessories for reference:

Hinge LYHE12	Hinge BHY20/I	Skew Lock LKS12A	Temperature control window closer LBCQ10	Temperature control window closer LBCQ11

Configuration instruction:

- ① This configuration scheme defaults to open-in side hung fireproof window. it is recommended to keep the lock point distribution distance within 400mm.
- ② 7 # and 11 # accessories are used together to realize the temperature control automatic locking function. for the bearing performance of the hinge, please refer to the hinge ser in this catalogue.
- ③ The length of the refractory rod can be customized according to the window height. (gradually increasing by 50mm; the shortest 50 mm.)
- ④ Stainless steel support structure to avoid deformation and sagging of the sash when heated.
- ⑤ After the temperature control support is opened to the limit state, when the temperature reaches 68-72, the temperature control device is activated and the sash can be automatically closed.
- ⑥ The length of the refractory rod can be customized according to the window height. (gradually increasing by 50mm; the shortest 300 mm)
- ★ Item in green are replaceable. 12# and 13# accessories can also be used in combination to achieve temperature control and automatic window closing function.
- ★ The minimum window width for the temperature control limiter LFX10A is 420mm, and the minimum window width for the window closer is 420mm. When the window width is in the range of 350~420mm, the window closer should be used with LBCQ10. (width and height refer to the distance from the top of the sash groove to the top of the frame groove)
- ★ For the installation and adjustment of the product, please refer to pages 66~67 of this catalogue.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

3-4 NHWK100 Series Open-out Side Hung Fire Resistant Window With C Groove Hardware System



Hardware Configuration for NHWK100 Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS191	1	Optional
02	Main transmission rod	ZCD85	1	
03	Side transmission rod	N43	2	
04	Locking plate	LSK43	2	Optional ①
05	Hinge	ZJLA21S-R	1	Domestic outfit product
06	Hinge	ZJLA21S-L	1	
07	Refractory rod	NHG01-L	2	Depending on window type specifications ③
08	Supporting block	LZCK02	1	④
09	Supporting block	LZCK03	1	
10	Refractory rod	NHG11-L	1	Depending on window type specifications
11	Safety disengagement preventer	FTQ50	1	Product of friction stay & pegstay division ⑤

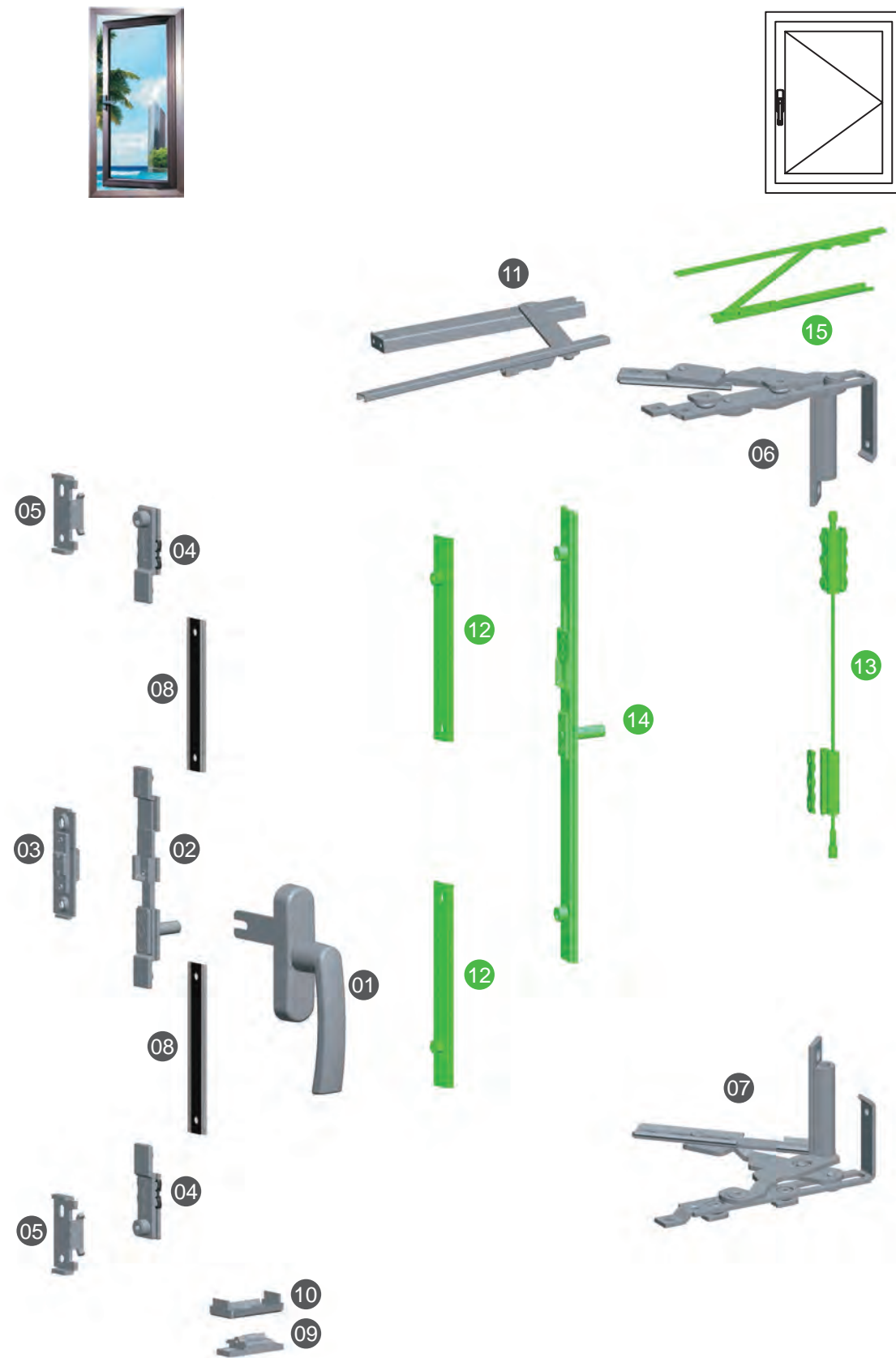
Optional accessories for reference:



Configuration instruction:

- ① This configuration scheme defaults to open-out side hung fire resistant window. it is recommended to keep the lock point distribution distance within 400mm.
- ② Maximum load bearing capacity is 60KG.
- ③ The length of the refractory rod can be customized according to the window height. (Gradually increasing by 50mm; the shortest 50 mm.)
- ④ Stainless steel support structure to avoid deformation and sagging of the sash when heated.
- ⑤ The length of the refractory rod can be customized according to the window height.L=(400、600、800、1000、 mm)
- ⑥ It is recommended to install a safety anti-dropout device for the open window.
- ★ Item in green are optional hardware.
- ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-in side hung window, turn-and-tilt window hardware system and profile size matching requirements)

**3-5 FHWK300 Series Open-out Side Hung Fireproof Window Hardware System
(Temperature Control Automatic Closing Window Type)**



Hardware Configuration for FHWK300 Series

Number	Product name	Code	Quantity	Remark
01	Handle	LCZS191	1	Optional
02	Lock transmission rod	LSCDG21	1	
03	Skew lock	LKS11A	1	Left & right, inside open right window for left
04	Side transmission rod	N43	2	
05	Locking plate	LSK43	2	Optional ①
06	Hinge	LYHE12-R	1	②
07	Hinge	LYHE12-L	1	
08	Refractory rod	NHG01-L	2	Depending on window type specifications ③
09	Supporting block	LZCK02	1	④
10	Supporting block	LZCK03	1	
11	Temperature control window closer	LBCQ10	1	Depending on window type specifications ⑤
12	Refractory rod	NHG05-L	2	Depending on window type specifications ⑥
13	Safety disengagement preventer safety disengagement preventer	FTQ25/I	1	Product of friction stay & pegstay division ⑦
14	Lock transmission rod	LSCDG22-L	1	Depending on window type specifications

Optional accessories for reference:

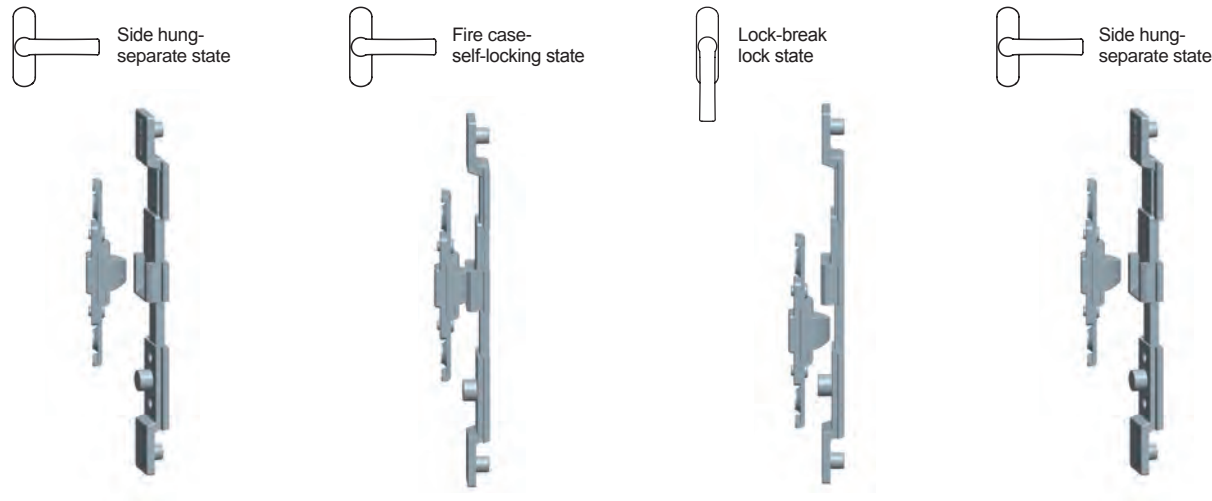
Skew Lock LKS12A	Locking Plate SK36	Temperature control window closer LBCQ10	Temperature control window closer LBCQ11

Configuration instruction:

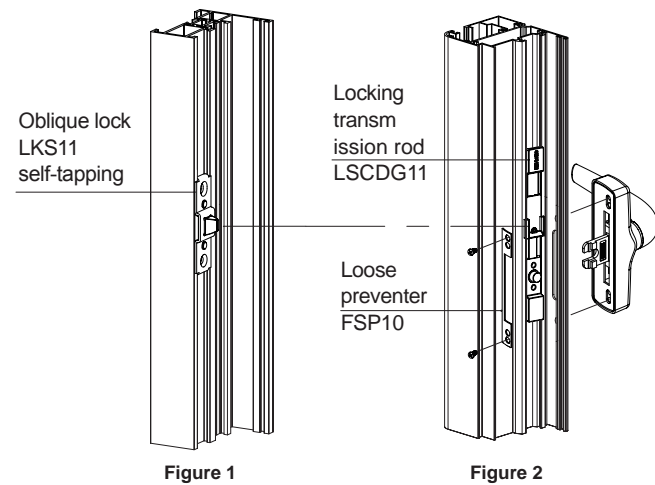
- ① This configuration defaults to open-out side-hung fireproof windows, and it is recommended to keep the lock point distribution distance within 400mm.
 - ② 6 # , 7 # and 11 # accessories are used together to realize the temperature control automatic locking function. for the bearing performance of the hinge, please refer to the hinge series in this catalogue.
 - ③ The length of the refractory rod can be customized according to the window height. (Gradually increasing by 50mm; the shortest 50 mm.)
 - ④ Stainless steel support structure to avoid deformation and sagging of the sash when heated. .
 - ⑤ After the temperature control window closer is opened to the limit state, when the temperature reaches 68-72 , the temperature control device is activated and the sash can be automatically closed.
 - ⑥ The length of the refractory rod can be customized according to the window height. (Gradually increasing by 50mm; the shortest 300 mm)
 - ⑦ It is recommended to use the safety disengagement preventer to achieve the best results.
- ★ Item in green are optional hardware.
 - ★ Window closer LBCQ10, suitable for a minimum window width of 520mm and opening angle of 90°, window closer LBCQ11, suitable for a minimum window width of 500mm and an opening angle of 75°, if you use other concealed hinges, please refer to the specific window width consult the technical department. (Width and height refer to the distance from the top of the sash groove to the top of the frame groove)
 - ★ For the installation and adjustment of the product, please refer to pages 66~67 of this catalogue.
 - ★ Adaptation requirements: standard 20C groove profile, please refer to page 2 of this catalogue for the specific profile section diagram. (Open-out side-hung window hardware system and profile size matching requirements)

Installation Instructions for Fireproof Window Hardware System

Self-lock operation diagram:

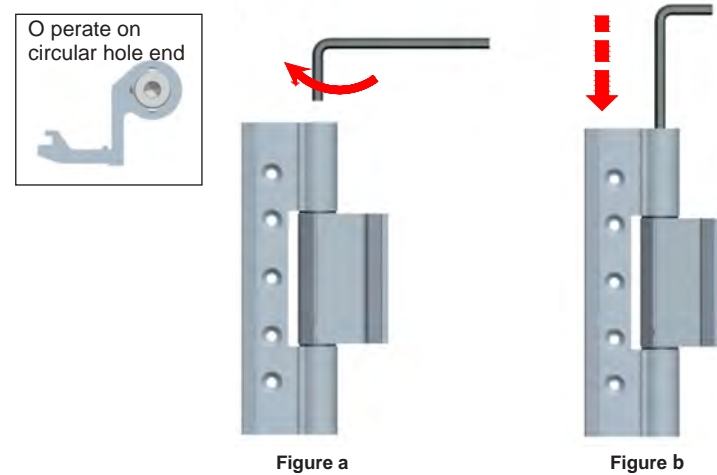


LSCDG11-Installation instructions for self-lock:



Cut out the handle hole on the sash, install the upper part of the sash, and then determine the installation position of the oblique lock on the frame. Note: when the handle is in the sash opening state, the locking tongue on the frame must be aligned with the slider on the lock transmission rod.

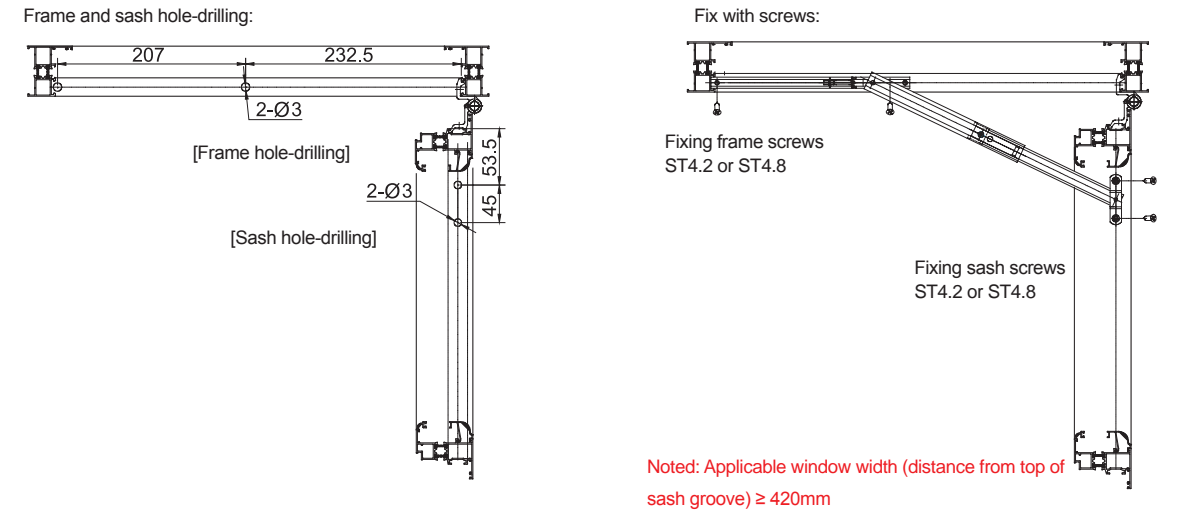
LCJ9-Spring hinge operation instructions:



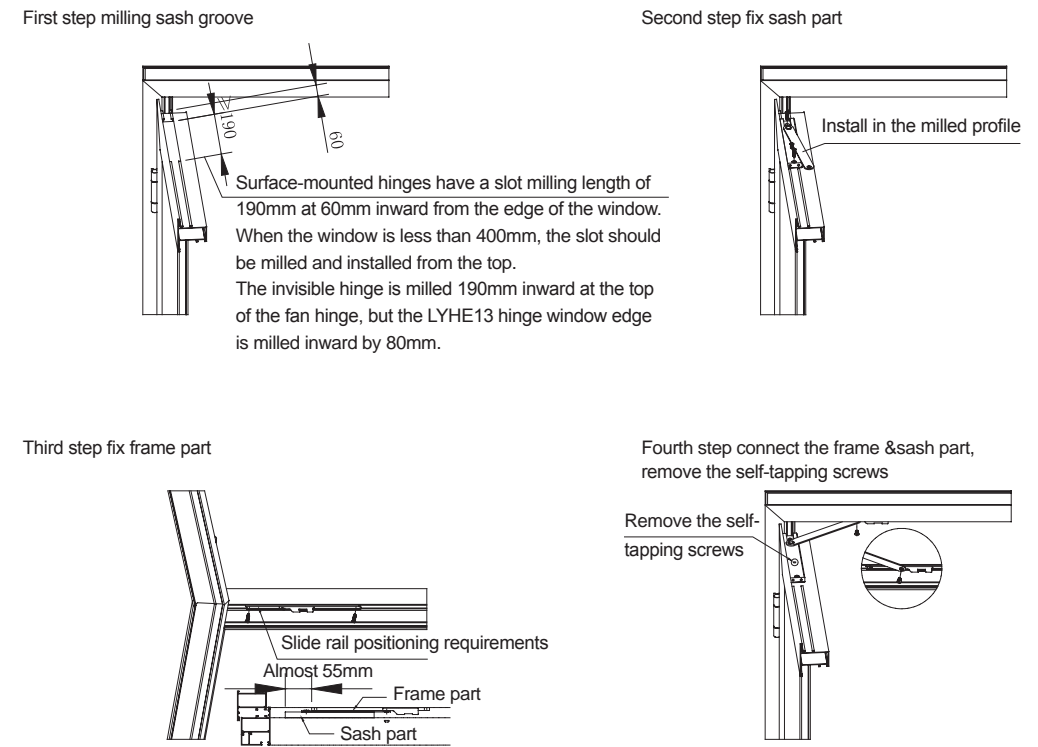
- Hinge is not elastic at the beginning.
- After the hinge is installed, adjust the elastic pressure (4mm hexagon wrench rotation) according to the operation instructions in figure a to make the hinge have the function of automatically closing the window.
- When necessary, adjust according to the operation instructions in figure b (press the 4mm hexagon wrench down) to unload the spring force.

Installation Instructions for Fireproof Window Hardware System

Temperature control peg stay installation instructions: LFX10A



Installation instructions for temperature control window closer: LBCQ10







Window sash specifications:

- Using 12" temperature-controlled window closer LBCQ10-300 with exposed hinges can satisfy window sashes of 300-350mm (non-standard implementation);
 - The use of 14" temperature-controlled window closer LBCQ10-350 with exposed hinges can meet the requirements of 350-550mm window sashes;
 - Use 14" temperature-controlled window closer LBCQ10-350 with hidden hinge LYHE13 to meet window sash 400-550mm;
 - Using 16" temperature-controlled window closer LBCQ10-550 with hidden hinge LYHE12/I can satisfy window sash 550-750mm;
- The above are recommendations, subject to the actual installation confirmation

Fire-proof Hardware System Solution

Fire-proof solution for open-out window series

Fire-proof hardware for turn-and-tilt window series






Handle	Locking Point	Hinge	Supporter
LCZS91	SK36	LYHPS30&LYHDX30	LZCK02&LZCK03
			

Features: The handle and locking point are made of high temperature resistant stainless steel, and the melting point is far higher than the detection temperature. the hidden hinge can effectively improve the sealing performance of the window, avoid fire and smoke channeling, and increase the stainless steel support structure to avoid the deformation and sagging of the window sash after heating.

Requirements: European standard c-groove profile, the maximum bearing capacity of hinge is 90kg, suitable for window sash width of 550-800mm, window sash height of 600-1500mm, for window sash width of 380-550mm, small size hinge LYHPS01 can be replaced.

Grade: The system scheme meets the requirements of 1.00h fire resistance in GB 50016-2014, and the actual fire resistance grade is related to the application of other necessary fire-resistant materials and window manufacturing process.

Fire-proof hardware system for open-in side-hung window series






Handle	Self-lock device	Locking point	Temperature - controlled pegstay	Spring hinge
LCZS91	LKS11A&LSCDG11	N43&LSK43	LFX10A	LCJ9
				

Features: The operation sequence is consistent with that of ordinary casement windows, which is in line with daily habits. the parts are made of stainless steel, the melting point is far higher than the detection temperature, the side transmission rod retains the mute structure, and the locking point adopts the roller type, so the transmission is smooth, and the appearance of silver sand ash new technology makes the whole set of parts upgrade. the temperature sensing part uses the spring hinge and temperature control support, the installation is not exposed, and the opening and closing force is adjustable. the auxiliary stainless steel support structure can avoid the deformation and sagging of the window sash after being heated

Requirements: European standard c-groove profile, the maximum bearing capacity of hinge is 40kg.

Grade: The system scheme meets the requirements of GB16809-2008 fire protection C1.00, and the actual fire protection grade is related to the application of other necessary fire protection materials and window manufacturing process.

Fire-proof hardware system for open-in side-hung windows

Handle	Self-lock device	Locking point	Temperature - controlled pegstay	Spring hinge
LCZS91	LKS11A&LSCDG12	N43&LSK43	LFX10A	LCJ9
				

Features: The function and operation are the same as scheme 1 .the structure of the transmission rod and side transmission rod is optimized. the aluminum rod is embedded with stainless steel to form an integrated type. the appearance is the same as that of the traditional aluminum rod. the structure is simple and the installation is convenient. the locking transmission rod can be selected according to the window type specification, and the locking block can be fixed by self- tapping screws and clamping piece.





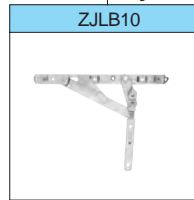
Requirements: European standard c-groove profile, the maximum bearing capacity of hinge is 40kg.

Grade: The system scheme meets the requirements of GB16809-2008 fire protection C1.00, and the actual fire protection grade is related to the application of other necessary fire protection materials and window manufacturing process.

Fire-proof Hardware System Solution

Fire-proof solution for open-out window series

Fire-proof system for top-hung window






Handle	Self-lock device	Locking point	Temperature - controlled window closer	Friction stay
LCZS191	LKS11A&LSCDG21	N43&LSK43	LBCQ10 / LBCQ11	ZJLB10
				

Features: The operation sequence is consistent with that of ordinary hanging window, which is in line with daily habits. the parts are made of stainless steel, the melting point is detected remotely, the fire protection is guaranteed, the transmission rod retains the silent structure, and the locking point adopts the roller type, the transmission is smooth, and the appearance of silver sand ash new technology makes the whole set of parts upgrade. fireproof sliding support with temperature control windowa closer can open smoothly, and the opening and closing force can be adjusted.

Requirements: European standard c-groove profile, the maximum bearing capacity of sliding brace is 60kg, suitable for window sash width ≤ 1200mm, window sash height ≤ 1200mm.

Grade: The system scheme meets the requirements of GB16809-2008 fire protection C1.00, and the actual fire protection grade is related to the application of other necessary fire protection materials and window manufacturing process.

Fire-proof hardware system for open-out window series






Handle	Self-lock device	Locking point	Temperature - controlled window closer	Hinge
LCZS191	LKS11A&LSCDG21	N43&LSK43	LBCQ10 / LBCQ11	LYHE12
				

Features: The operation sequence is consistent with that of ordinary casement windows, which is in line with daily habits. the parts are made of stainless steel, the melting point is far higher than the detection temperature, the side transmission rod retains the mute structure, and the locking point adopts the roller type, so the transmission is smooth, and the appearance of silver sand ash new technology makes the whole set of parts upgrade. the temperature sensing part uses the spring hinge and temperature control support, the installation is not exposed, and the opening and closing force is adjustable. The auxiliary stainless steel support structure can avoid the deformation and sagging of the window sash after being heated.

Requirements: European standard c-groove profile, the maximum bearing capacity of hinge is 40kg.

Grade: The system scheme meets the requirements of GB16809-2008 fire protection C1.00, and the actual fire protection grade is related to the application of other necessary fire proof materials and window manufacturing process.

Fire-proof hardware system for open-out window series

Handle	Self-lock device	Locking point	Temperature - controlled window closer	Hinge
LCZS191	LKS11A&LSCDG22	N43&LSK43	LBCQ10 / LBCQ11	LYHE12
				

Features: The function and operation are the same as scheme1 .the structure of the transmission rod and side transmission rod is optimized. the aluminum rod is embedded with stainless steel to form an integrated type. the appearance is the same as that of the traditional aluminum rod. the structure is simple and the installation is convenient. the locking transmission rod can be selected according to the window type specification, and the locking block can be fixed by self tapping screw and clamping piece.

Requirements: European standard c-groove profile, the maximum bearing capacity of hinge is 40kg.

Grade: The system scheme meets the requirements of GB16809-2008 fire protection C1.00, and the actual fire protection grade is related to the application of other necessary fire protection materials and window manufacturing process.

Fire-proof Hardware System Solution

Fire-proof hardware design

Handle design



- ◆ The main material is made of stainless steel, which feels tough and firm
- ◆ The surface is satin, simple and easy modeling
- ◆ The appearance of open-in and open-out is consistent to ensure the same window appearance in one project
- ◆ With the SS handle, the window quality and class is improved obviously



Design of self-locking device: scheme 1

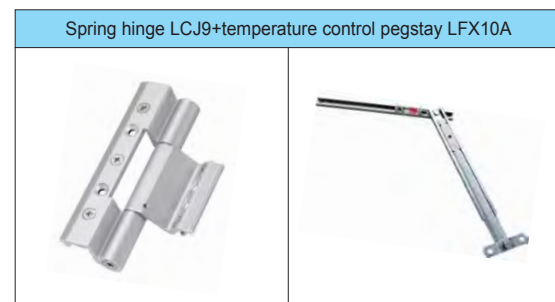


- ◆ 304 stainless steel supercrystal casting, good corrosion resistance, beautiful appearance.
- ◆ Easy installation, oblique lock self-tapping nail fixed, lock transmission rod through C groove installation.
- ◆ Compared with other brands in the market, self-locking can be realized by operating other accessories, which is simpler and more conventional.

Design of self-locking device: Scheme 2



- ◆ The self-locking device is combined with the conventional locking point, which is compact and economical.
- ◆ Aluminum rod embedded stainless steel structure, the appearance of the same as the traditional aluminum rod.
- ◆ Normal operation can open, without repeated operation handle or other accessories to achieve self-locking, more simple operation.



Design of temperature control window Closing device: scheme 1



- ◆ Temperature control window closing device is built in to keep the overall appearance of the window.
- ◆ The size of the opening and closing force can be adjusted, and the range of adaptation is wide.
- ◆ Hinge more reserved fixed hole, the installation is firm.

Fire-Proof Hardware System Solution

Fire-proof hardware design

Design of temperature control window closing device: scheme 2



- ◆ Concealed hinge, all stainless steel design.
- ◆ The size of the lifting and closing force is adjustable.
- ◆ Dual drive redundancy design to meet the opening and closing force of different specifications of window sash.
- ◆ LBCQ10 is recommended for small size window type.



Fire-proof rod design



- ◆ Inlaid with stainless steel, the rod is not broken when heated, and the locking point is not misplaced.
- ◆ Multiple structures with and without lock points
- ◆ The structure is simple, and the appearance is consistent with the traditional aluminum rod

Locking point & lock plate design



- ◆ Side drive rod 304 stainless steel super crystal casting, high temperature resistance, good corrosion resistance, ensure system sealing, no fire and smoke channeling, roller lock point design, transmission more smoothly.
- ◆ The side transmission rod is provided with a mute structure to avoid the friction noise of transmission metal.
- ◆ The lock block is made of stainless steel and has many styles. It is easy to install and suitable for various profiles

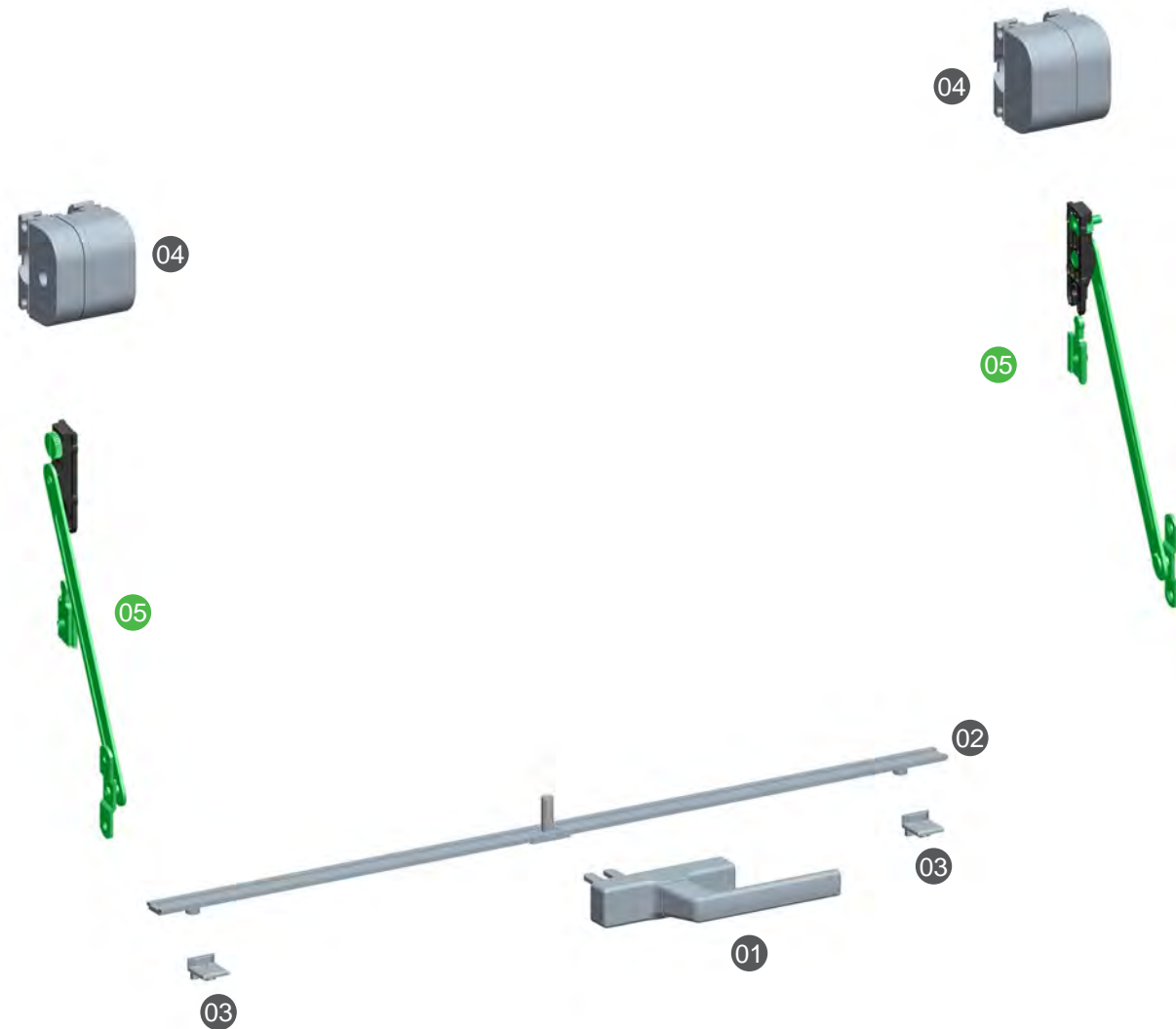
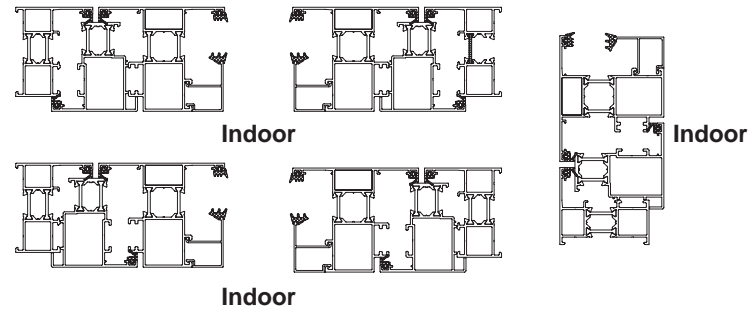


Accessory design



- ◆ Stainless steel material design, to ensure that the heating does not drop horn, effectively ensure the frame fan spacing, improve the service life of the window
- ◆ Rolling fit to reduce opening friction
- ◆ Self tapping screw fixation, easy installation

4-1 ZX100 Series Middle-hung Window



Middle-hung Window (ZX100) Hardware Accessories Selection Table

Number	Product name	Code	Quantity	Remark
01	Handle	CZS320	1	Optional ①
02	Alu.transmission rod	LZDC02	1	Depending on window type specifications ②
03	Locking plate	ZA1-6A	2	
04	Pivot hinge	LZXHY10	2	③
05	Limiters	LPX14	2	④

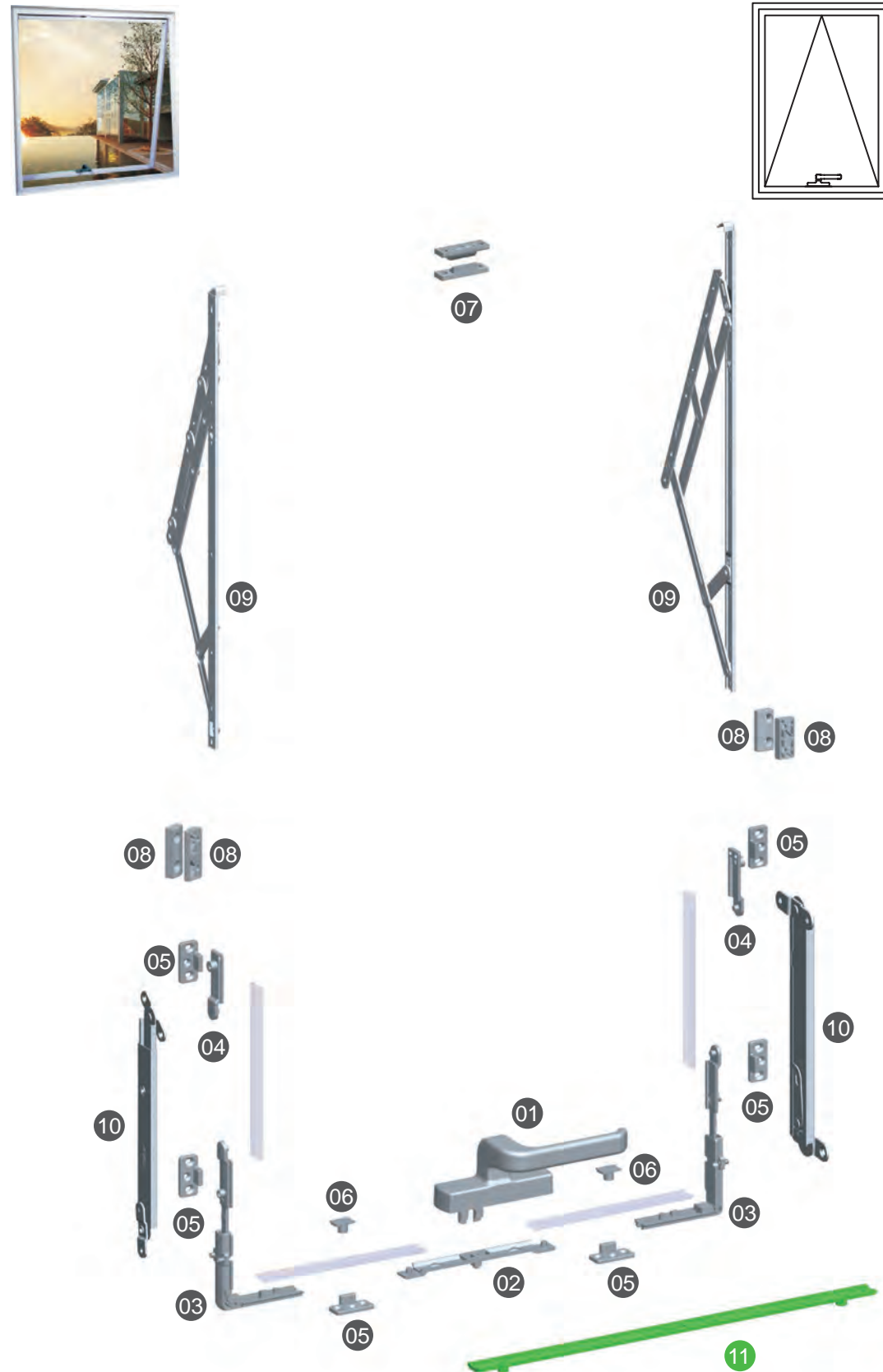
Optional accessories for reference:

Handle LCZS3320	Handle K320	Handle CZS132	Handle LCZS366	For more handles
				<p>Please refer to pages 94~111 of this catalogue.</p>

Configuration instruction:

- ① Customers can select preferable handles by taking reference of handle series.
 - ② The length of the transmission rod and the number of locking points on the transmission rod are determined according to the size of the window.
 - ③ The configuration scheme is suitable for window types with a maximum window width of 1050mm, a maximum window height of 1200mm, a window width-height ratio of less than 7:8, and a window weight of less than 60kg. (Width and height refer to the distance from the top of the sash slot to the top of the slot)
 - ④ It is recommended to use with the casement window stopper to achieve the best effect.
- ★ Since there is no standard specification for middle-hung windows in china, the hardwares must be trial-installed before placing orders in batches.

5-1 MQ100 Series Curtain Wall Top Hung Window



Hardware Configuration for MQ100 Series

Number	Product name	Code	Quantity	Remark
01	Handle	CZS619	1	Optional ①
02	Main transmitter	N9-5	1	
03	Corner device	ZA3	2	
04	Side transmission rod	N40	2	
05	Locking plate	SK32B	6	
06	Active lock point	HDS5	2	Refer to the instruction of active lock point ②
07	Middle locking plate	LSK76	1	
08	Anti-drop piece	1630FJS-16	4	
09	Friction stay (left & right)	HC680	2	Product of friction stay & peg stay division the size depends on window dimension ③
10	Pegstay(left & right)	SC320	2	Product of friction stay & peg stay division The size depends on window dimension ④
11	Transmission rod	LG01	1	Specifications depend on window type

Optional handles, friction stays and pegstay for reference:

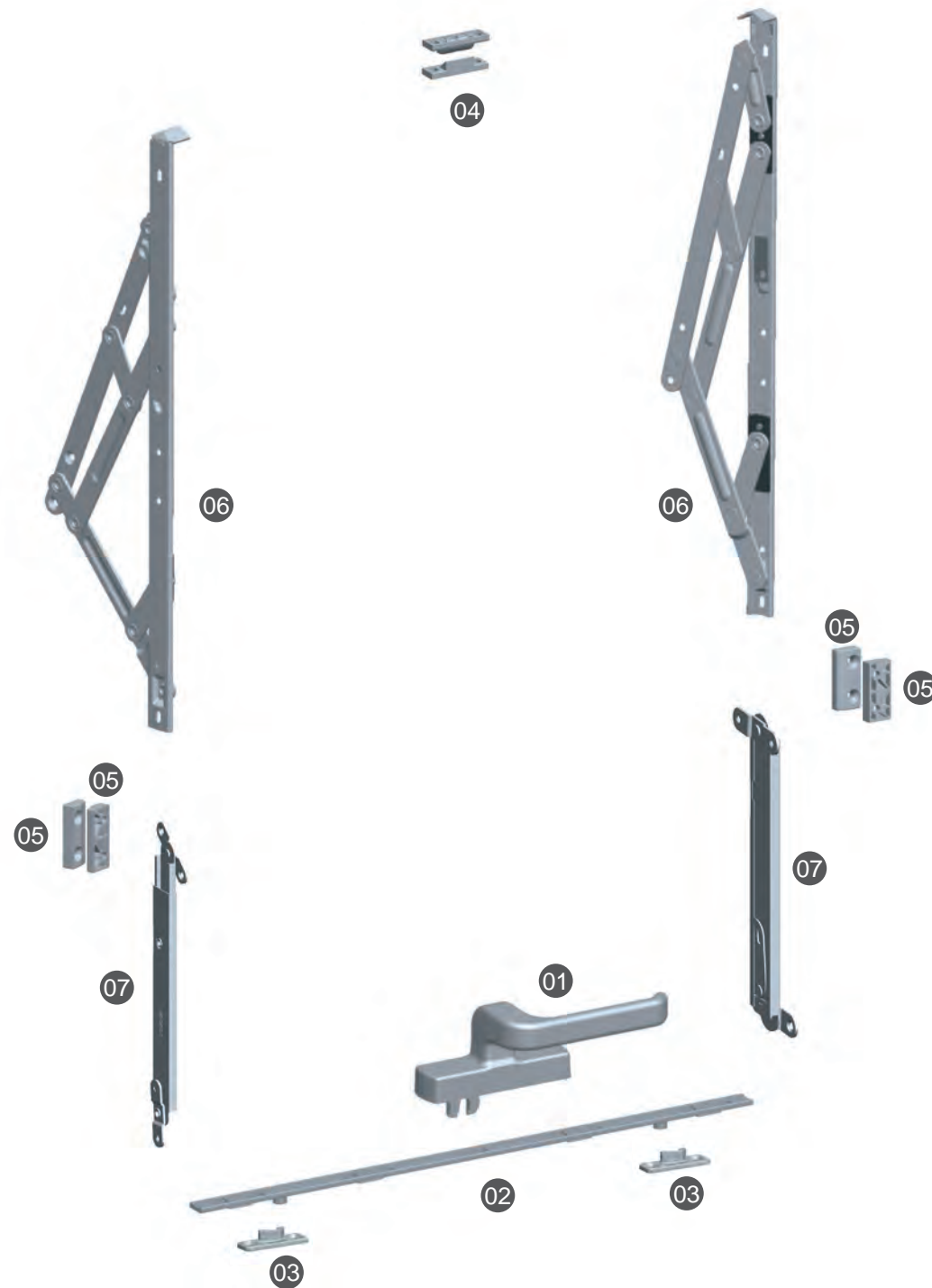
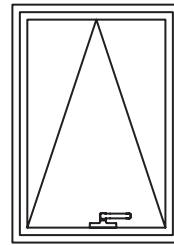
Handle CZS30S	Handle CZS23	Handle CZS21A	For more handles
			 Please refer to pages 94~111 of this catalogue.

Friction stay FJ600A	Friction stay HC650	Pegstay SC350

Configuration instruction:

- ① Custom ers can choose other types of handles of our com pany according to the product list window handle series introduction
- ② 6 points and above locking system can be accomplished by adding active lock points on the transmission rod.
- ③ Load bearing capacity of the window depends on friction stay
- ④ Safety concifient will be improved when pegstay is used.
- ★ Adaptation requirements: single side C groove profile, please refer to page 3 of this catalogue for the specific profile section diagram. (Top-hung window hardware system and profile size matching requirements)

5-2 MQ200 Series Curtain Wall Top Hung Window



Hardware Configuration for MQ200 Series

Number	Product name	Code	Quantity	Remark
01	Handle	CZS619	1	Optional ①
02	Alu.transmission rod	LZDG03	1	Length depends on the window type ②
03	Locking plate	LSK45	2	
04	Middle locking plate	LSK76	1	
05	Anti-drop piece	1630FJS-16	4	
06	Friction stay	FJ600A	2	Product of friction stay & peg stay division the size depends on window dimension ③
07	Pegstay (Left & right)	SC320	2	Product of friction stay & peg stay division the size depends on window dimension ④

Optional Handles and friction stays for reference:

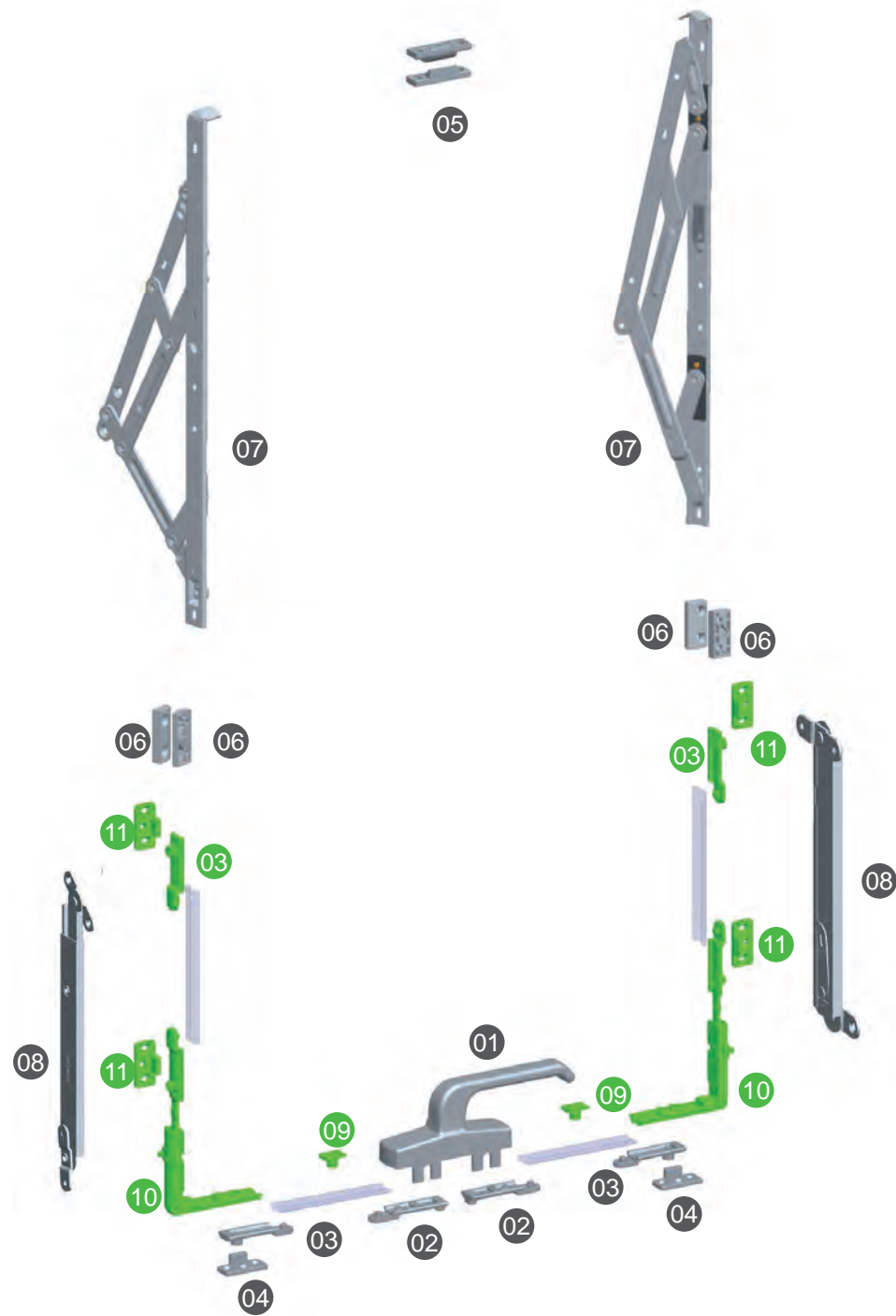
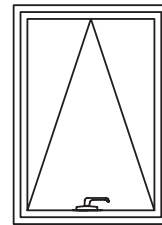
Handle CZS30S	Handle CZS23	Handle CZS21A	For more handles
			<p>Please refer to pages 94~111 of this catalogue.</p>

Friction stay HC680	Friction stay HC650	Pegstay SC350

Configuration instruction:

- ① Custom ers can choose other types of handles of our com pany according to the product list window handle series introduction. Friction stay can be selected according to the specific window type by referring to the friction stay series introduction.
- ② The length of transmission rod and quantity of locking points depends on the size of sash, (If the window is wider than 1200mm, it is suggested using 3 or more locking points.)
- ③ Friction stay selection depends on window dimension specified on friction stay catalogues.
- ★ Sash height should be less than 1200mm when the maximum opening distance is 300mm
- ★ Adaptation requirements: single side C groove profile, please refer to page 3 of this catalogue for the specific profile section diagram. (Top-hung window hardware system and profile size matching requirements)

5-3 MQ300 Series Curtain Wall Top Hung Window



Hardware Configuration for MQ300 Series

Number	Product name	Code	Quantity	Remark
01	Handle	CZS519	1	Left & right
02	Main transmission rod	N10	2	
03	Side transmission rod	N40	2	
04	Locking plate	SK32B	2	
05	Middle locking plate	LSK76	1	
06	Anti-drop piece	1630FJS-16	4	
07	Friction stay	FJ600A	2	Product of friction stay & peg stay division the size depends on window dimension ①
08	Pegstay (Left & right)	SC320	2	Product of friction stay & peg stay division the size depends on window dimension ②
09	Active lock point	HDS5	2	Refer to instruction of active lock point ③
10	Corner device	ZA3	2	
11	Locking plate	SK32B	4	

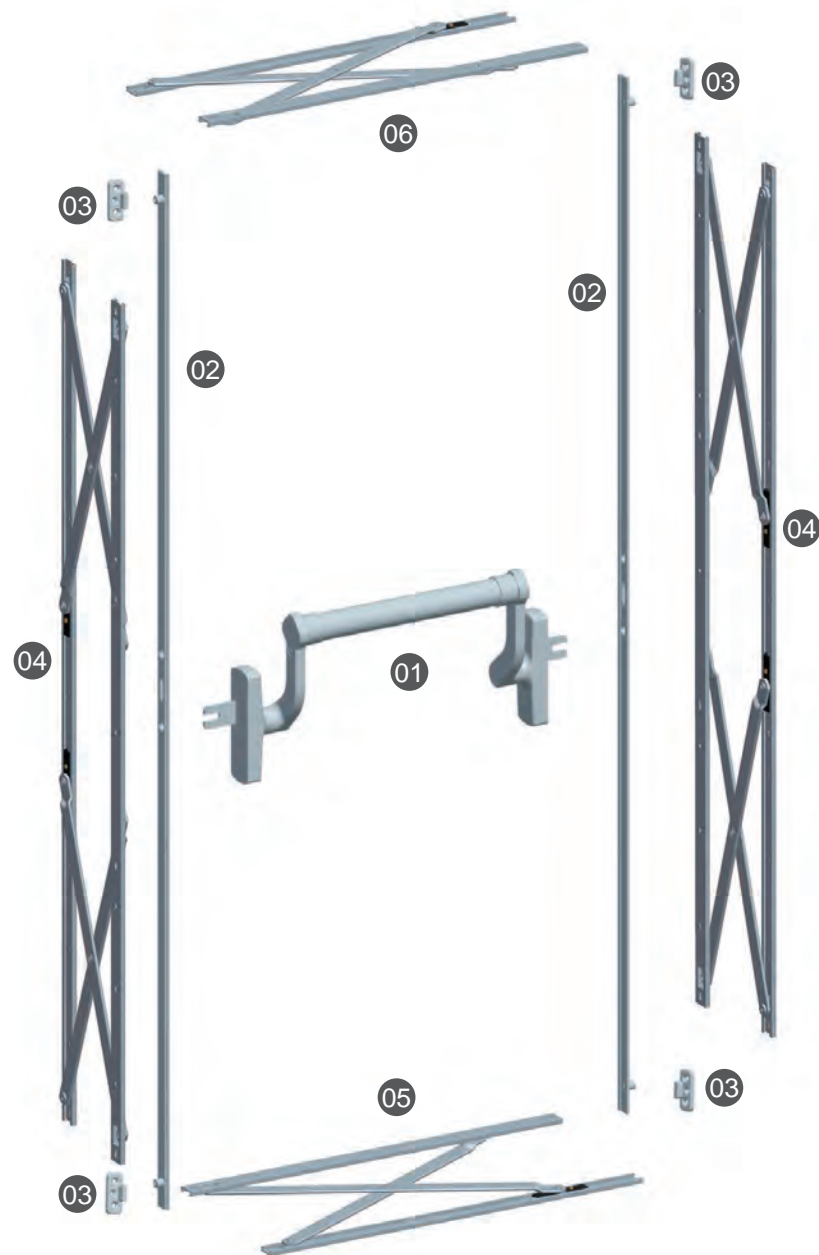
Optional friction stays and pegstay for reference:

Friction stay HC680	Friction stay HC650	Pegstay SC350

Configuration instruction:

- ① Selection of friction stay depends on the window size and please refer to friction stay series
- ② Safety coefficient will be improved when pegstay is used.
- ③ Item in green are optional hardware.
- ★ Adaptation requirements: Single side C groove profile, please refer to page 3 of this catalogue for the specific profile section diagram. (Top-hung window hardware system and profile size matching requirements)

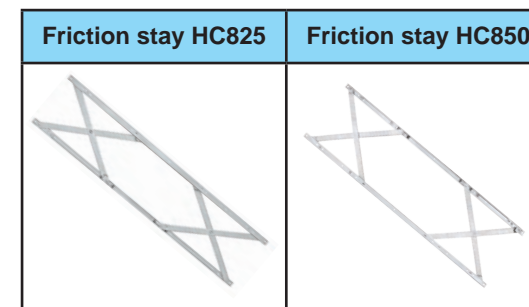
5-4 MQ400 Series Curtain Wall Parallel Opening Window



Hardware Configuration for MQ400 Series

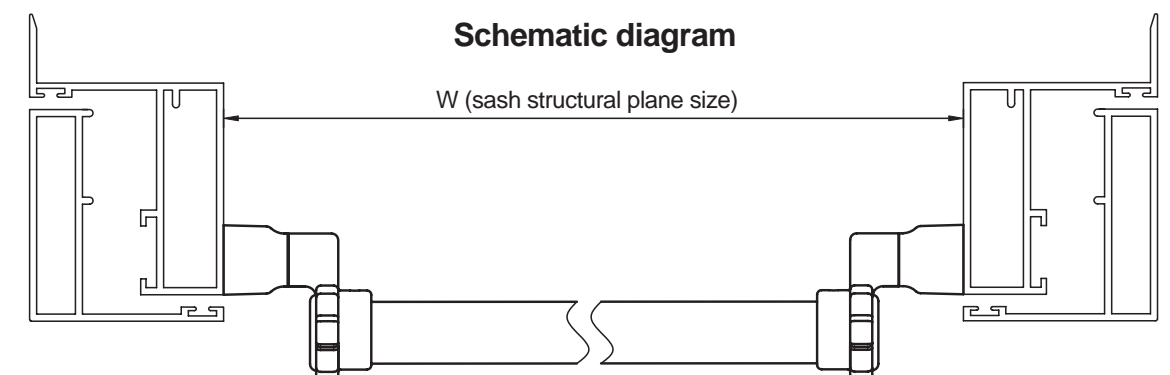
Number	Product name	Code	Quantity	Remark
01	Push rod handle	TGZS110-W	1	Refer to the below schematic diagram
02	Alu transmission rod	LG01	2	Depend on window type
03	Locking plate	SK32B	4	
04	Friction stay	HC820-40	2	Product of friction stay & peg stay division
05	Friction stay	HC820-19L	1	Product of friction stay & peg stay division
06	Friction stay	HC820-19R	1	Product of friction stay & peg stay division

Optional friction stay for reference:

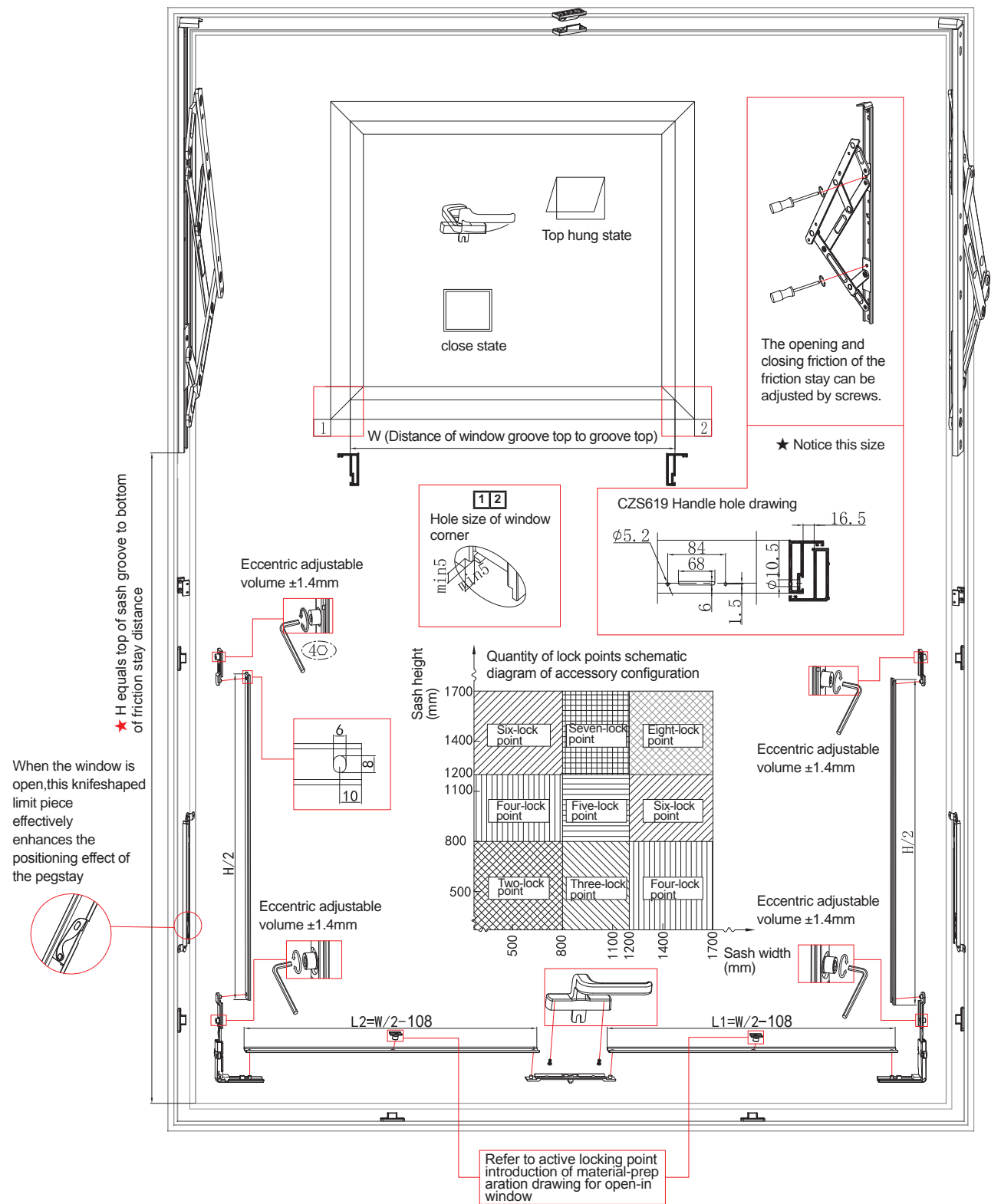


Configuration instruction:

- ★ Parallel opening window means the whole sash opens outward parallelly. its innovative opening can keep the whole facade neat no matter at the state of opening or closing, this opening does not take up the interior space ,having the advantage of flexible ventilation and fire protection, smoke extraction.
- ★ Please select the friction stay according to the window size and contact our technical staff for specific configuration.
- ★ The friction stay at the left and right side bear the load while the friction stay at the upper and bottom side guide the direction, when load-bearing friction stay HC820-40 used together with HC820-19, staying the bearing capacity can be up to 120kg.
- ★ Maximum widow opening height is 1600 and normal widow width is within 800mm.
- ★ Adaptation requirements: single side C groove profile, please refer to page 3 of this catalogue for the specific profile section diagram. (top-hung window hardware system and profile size matching requirements)



Adjustment Illustration for Top Hung Window Series With Multi-point On Multi Sides

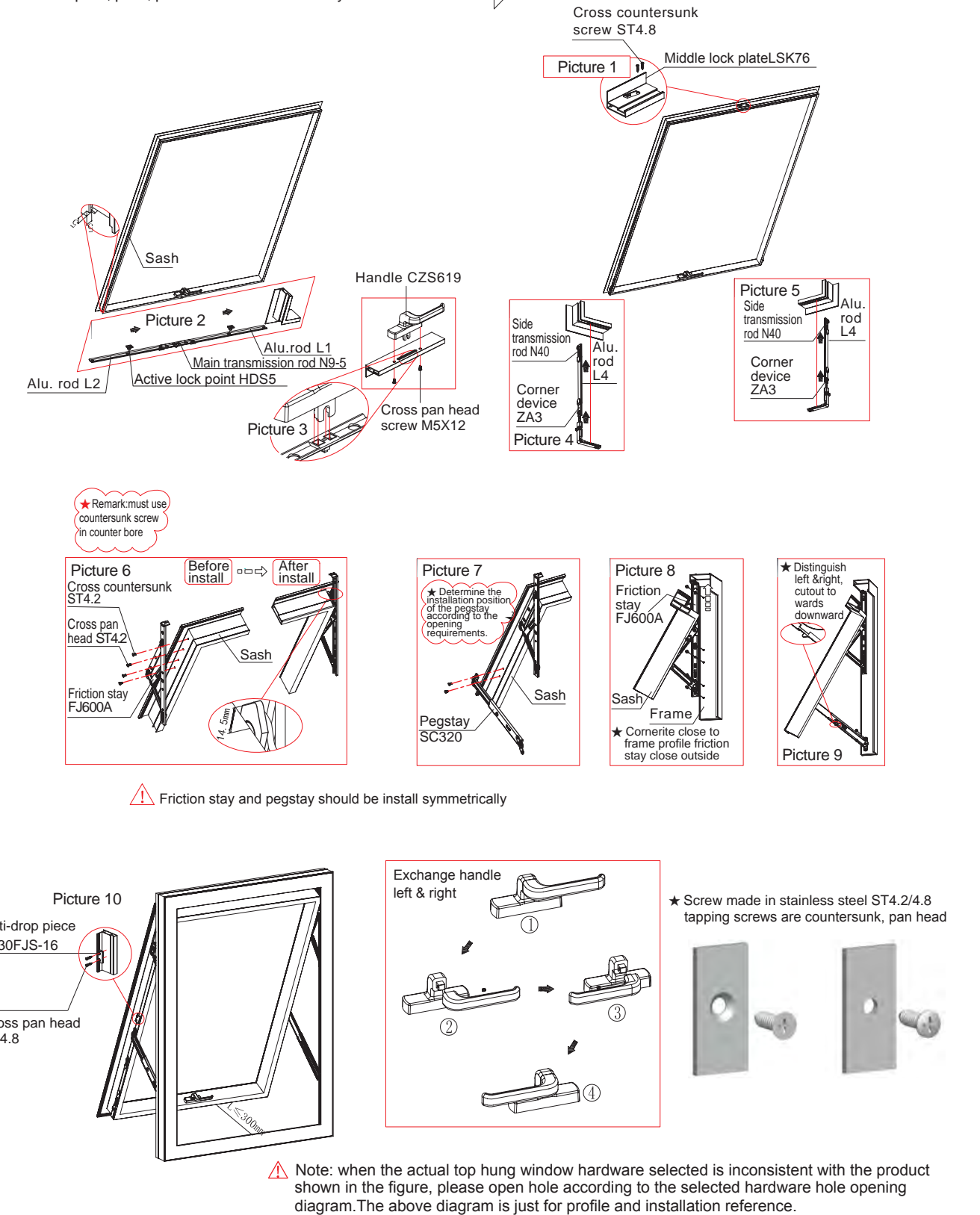


Remark: "⊙" represent the standard of socket head wrench
 Note: When installing the left and right pegstay, do not interfere with the normal transmit of the transmission rod.

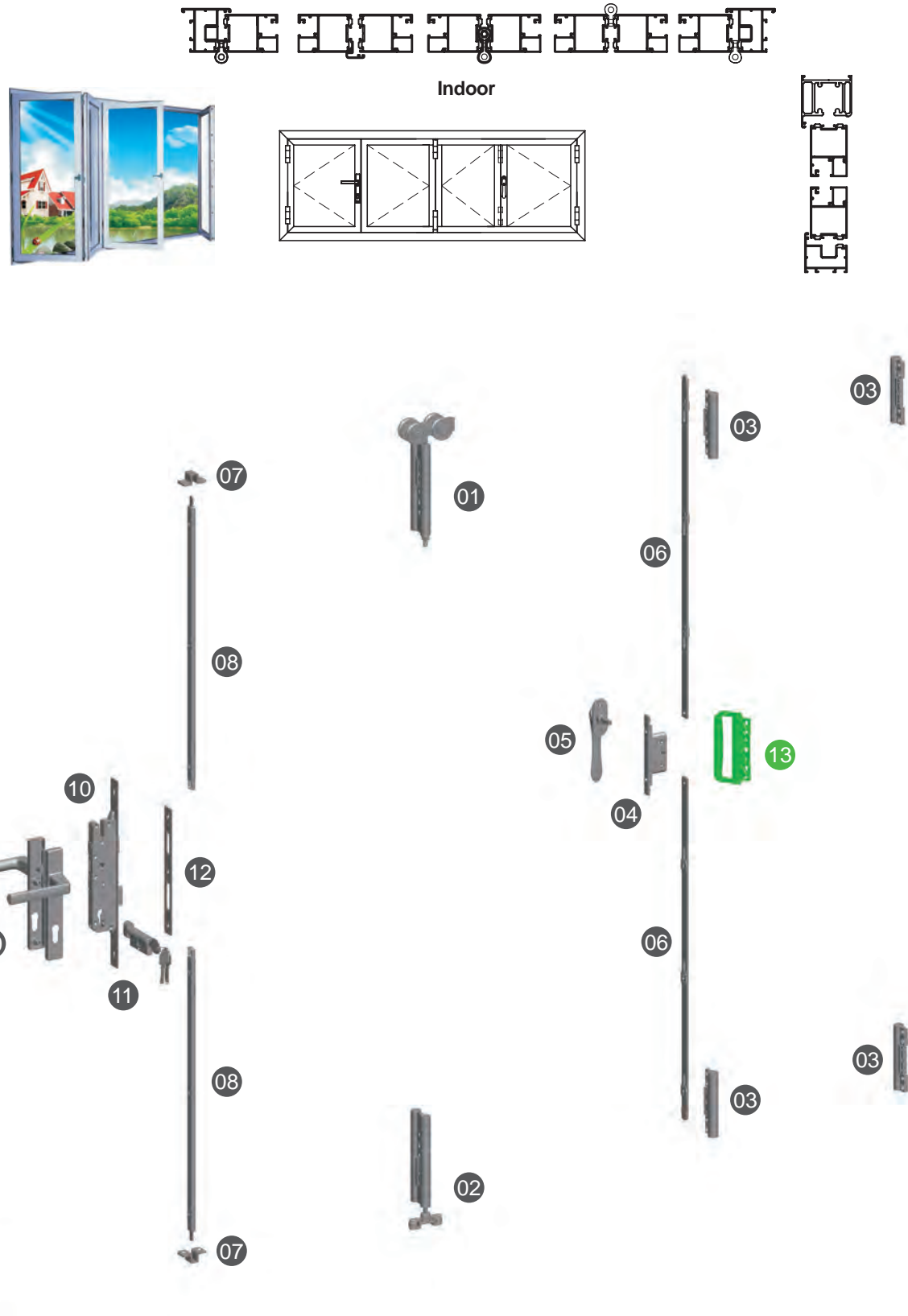
Installation Illustration for Top Hung Window Series With Multi-point On Multi Sides

★ Hardware install order

follow pic 1, pic 2, pic 3...to install successively



6-1 FTL200 Series Sliding & Folding Door



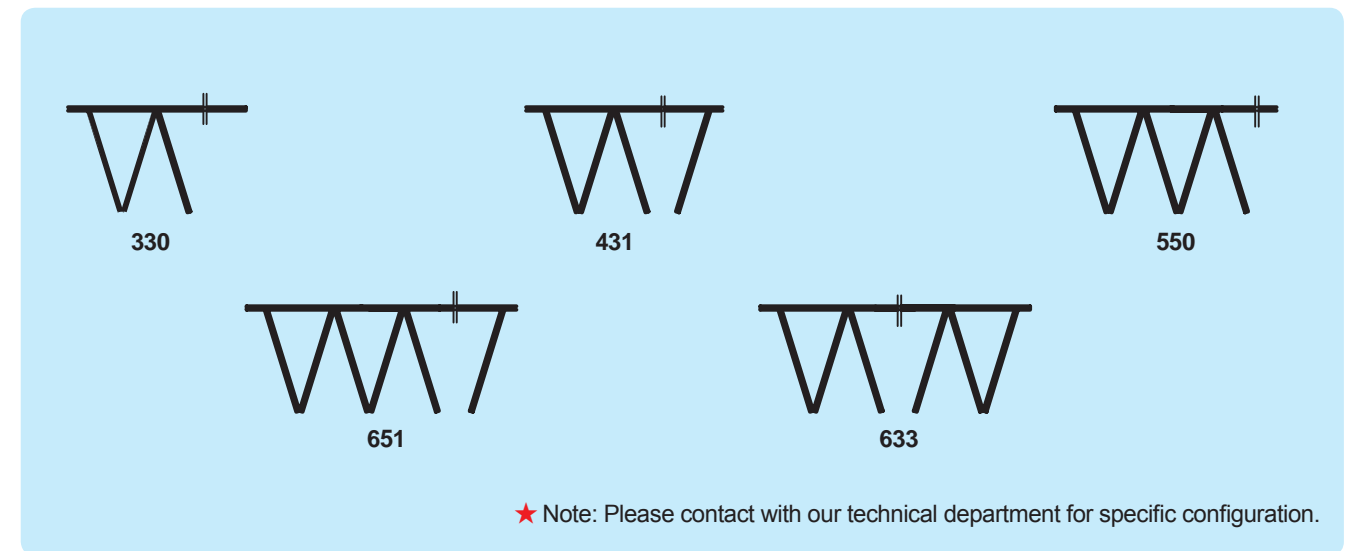
Hardware Configuration for FTL200 Series

Number	Product name	Code	Quantity	Remark
01	Upper pivot hinge system	FXZ1B	1	①
02	Bottom pivot hinge system	FXZ5B	1	
03	Side pivot hinge	FXZ11	6	②
04	Transmitter	CDQ20	1	
05	Handle	T28D	1	
06	Shoot bolt	FXZ6	2	
07	Locking plate	SK10	2	
08	Socket	SCX500A	2	Product of sliding door & window accessory division
09	Handle	MZS20	1	Product of sliding door & window accessory division
10	Door lock	MSC28/II	1	Product of sliding door & window accessory division
11	Cylinder	KILAB	1	Product of sliding door & window accessory division optional
12	Cover plate	DMS20C	1	Product of sliding door & window accessory division
13	Handle hinge	FXZ12	1	Applicable to open-out configuration ③

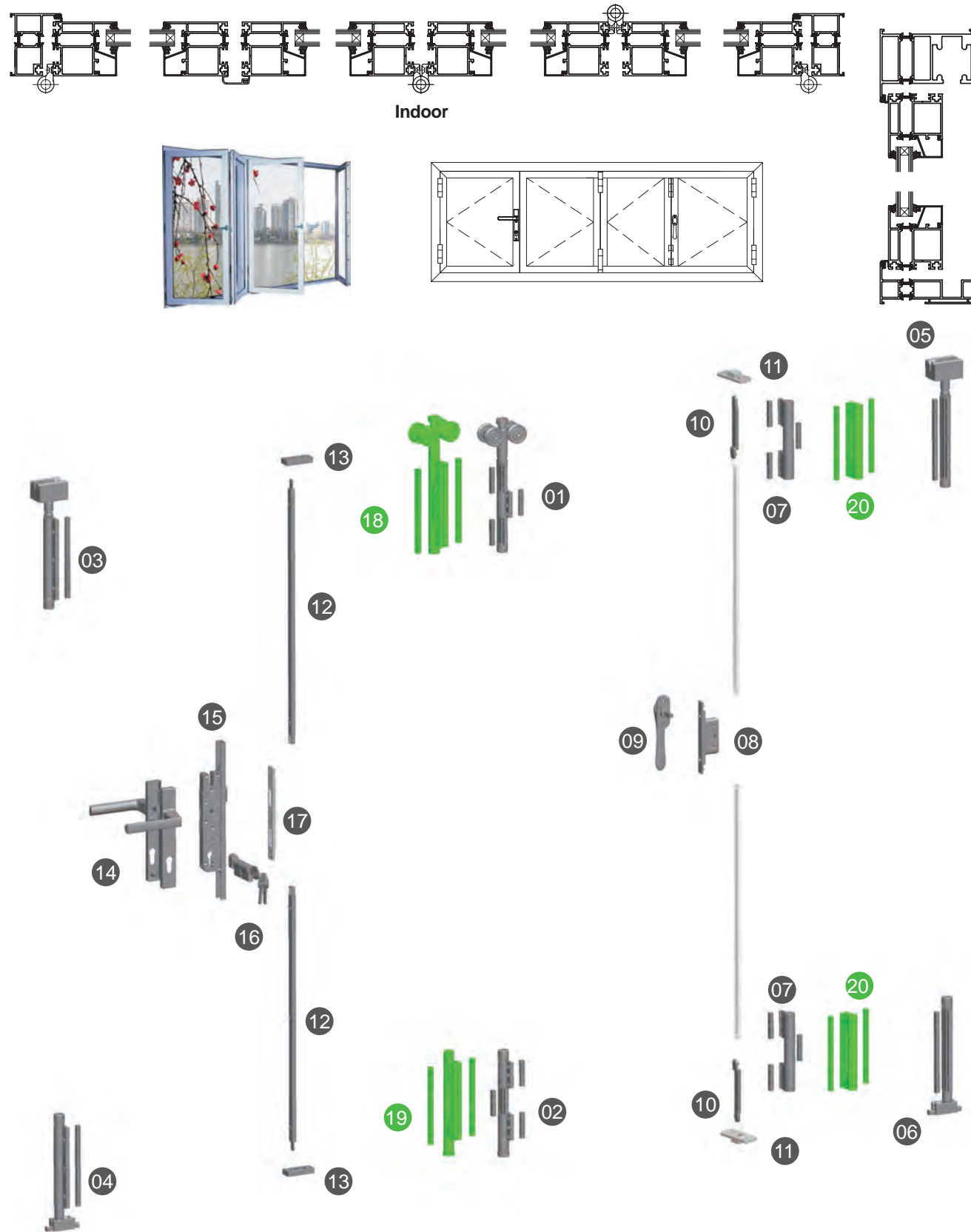
Configuration instruction:

- ① Guide rail of upper pivot hinge system bears the load while the guide rail of bottom pivot hinge system which can be called barrier-free guide rail does not affect the door operation.
- ② Applicable to single sash dimension with width 800mm, height 2400mm and weight ≤60kg.
- ③ Items in green are optional. handle hinge is applicable to open-out configuration.
- ★ Configuration of the sash is flexible (Please see the following sketch), please contact our technical department for specific configuration.
- ★ In this system, open-in and open-out function can be achieved by means of changing profile.

Configuration:



6-2 FTL300 Series Sliding & Folding Door



Hardware Configuration for FTL300 Series

Number	Product name	Code	Quantity	Remark
01	Upper pivot hinge system	FTL300-01	1	①
02	Bottom pivot hinge system	FTL300-02	1	
03	Side upper pivot hinge	FTL300-03L	1	
04	Side bottom pivot hinge	FTL300-04L	1	
05	Side upper pivot hinge	FTL300-03R	1	
06	Side bottom pivot hinge	FTL300-04R	1	
07	Hinge	FTL300-07	2	
08	Transmitter	CDQ20	1	
09	Handle	T28D	1	
10	Shoot bolt	CDG10B	2	
11	Locking plate	SK11	2	
12	Socket	SCX500A	2	Product of sliding door & window accessory division
13	Locking plate	SK30A	2	Product of sliding door & window accessory division
14	Handle	MZS20	1	Product of sliding door & window accessory division
15	Door lock	MSA19/II	1	Product of sliding door & window accessory division
16	Cylinder	KILAB	1	Product of sliding door & window accessory division optional
17	Cover plate	KMB210A	1	Product of sliding door & window accessory division
18	Upper pivot hinge system	FTL310-01	1	
19	Upper pivot hinge system	FTL310-02	1	
20	Hinge	FTL310-07	2	

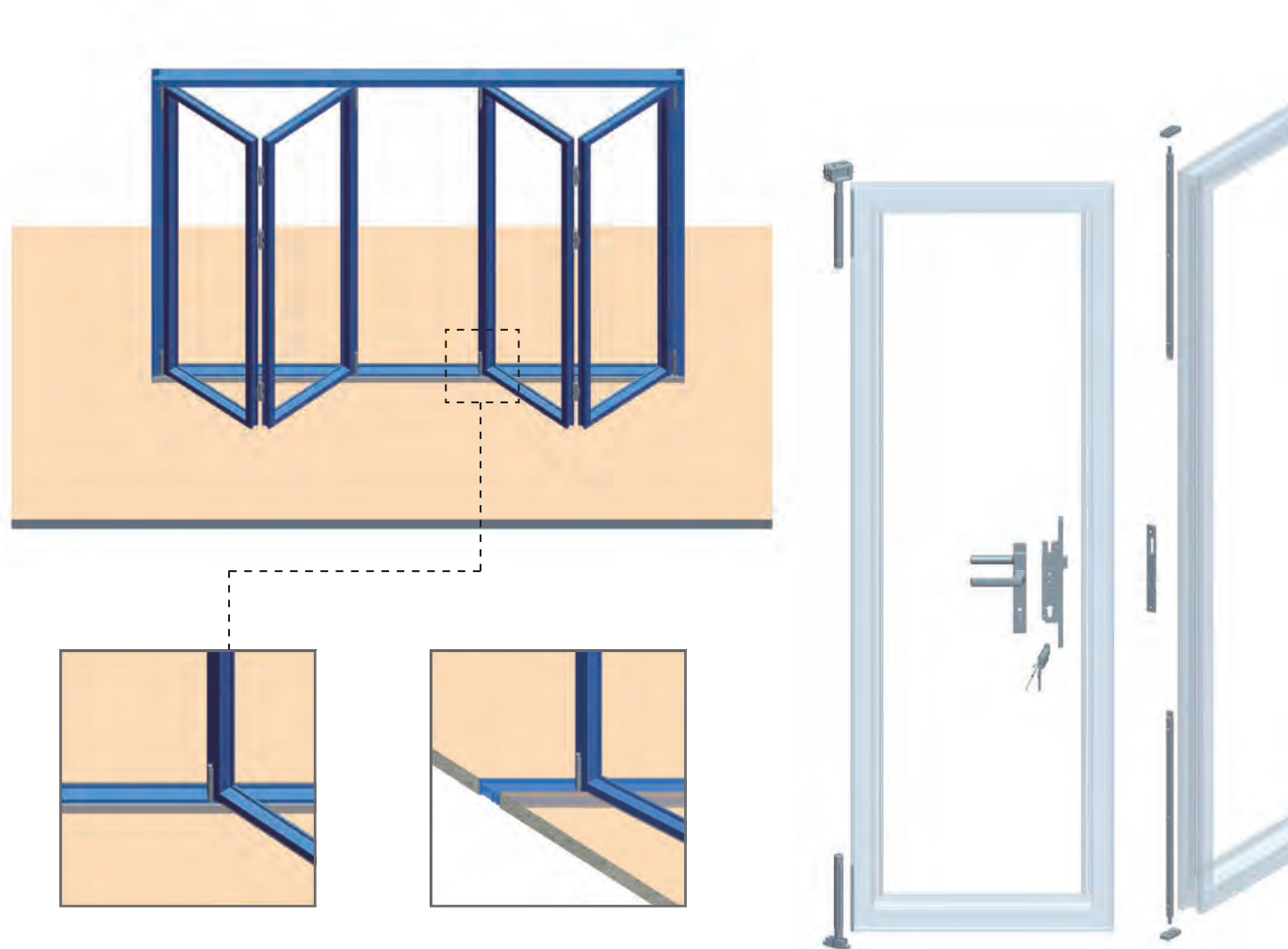
Configuration instruction:

- ① Upper pivot hinge system is self-balance, which makes sash slide easily and smoothly, and could be installed upside and down.
- ② Side upper and bottom hinge are capable for horizontal adjustment, in order to make up the defection while fabrication window profile.
- ③ Applicable to single sash dimension with width 800mm, height 3000mm and weight ≤120kg.
- ★ Configuration of the sash is flexible. Please contact with our technical department for specific configuration.
- ★ In this system, open-in and open-out function can be achieved by the means of changing profile.

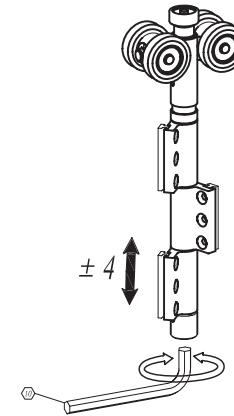
Characteristic Description for FTL300 Series Sliding & Folding Door

Feature of door type

- ◆ Flexible combination of sash, applicable to any design according to doorway dimension, such as odd sash on both sides, even sash on both sides one odd on the one and one even sash on other side.
- ◆ With an excellent weight bearing performance.
- ◆ Open-in or open-out depends on your demand and it could achieve the maximum open angle of the door.
- ◆ With excellent sealing and stability.
- ◆ It can achieve barrier-free accessible traffic.
- ◆ With large loading, run stable and flexible, it can achieve the loading capacity under the upper part or bottom part of the door sash.



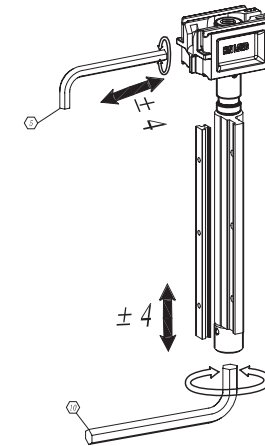
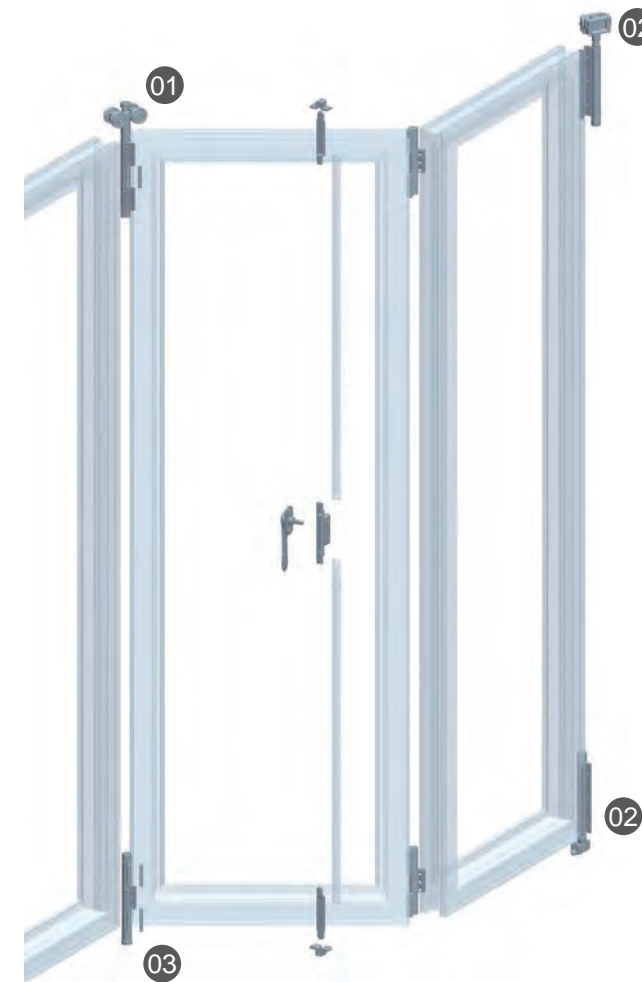
◆ It can achieve barrier-free accessible traffic



01

Feature of FTL300-01

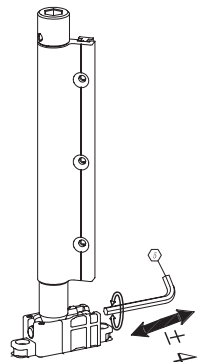
- ◆ Hanging wheel design
- ◆ Compact and tight connection
- ◆ Roller is made of polyamide materials
- ◆ Excellent self-balance
- ◆ Adjustable



02

Feature of FTL300-03R&FTL300-04R

- ◆ Fixed installation design of clamping type
- ◆ Open smoothly
- ◆ Adjustable



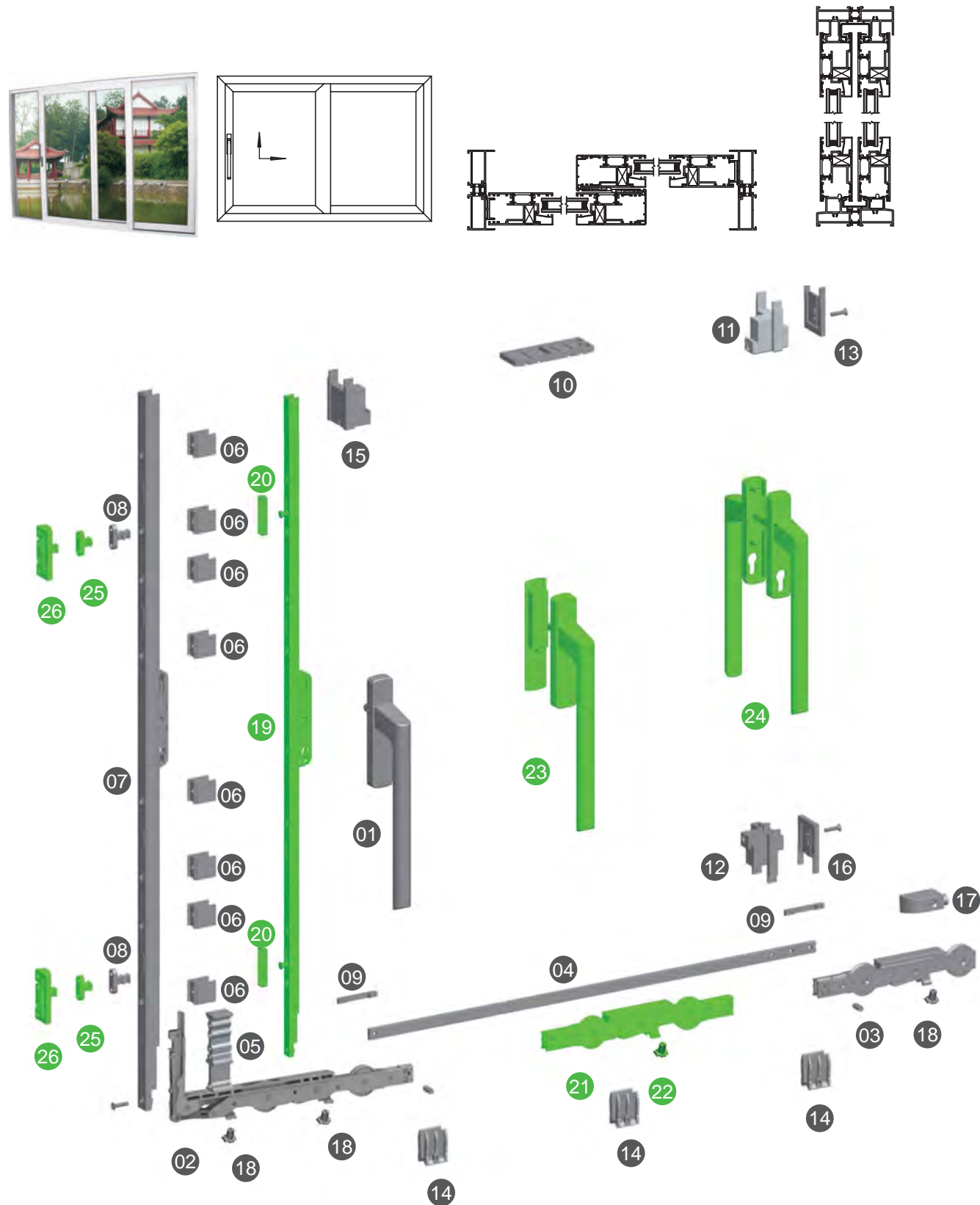
03

Feature of FTL300-02

- ◆ Adopting superior polyformaldehyde material
- ◆ Excellent self-balance
- ◆ Steady and smooth under open state
- ◆ Easy and quick installation



7-1 TTL300 Series Lifting & Sliding Door



Hardware Configuration for TTL300 Series

Number	Product name	Code	Quantity	Remark
01	Handle	Z200	1	Optional, standard exposed length of square steel is 28 mm
02	Front-roller	H50A	1	Product of window roller division
03	Back-roller	H52	1	Product of window roller division
04	Linking rod	H52-10-L	1	
05	Supporting seat	CDG2370-06	1	
06	Supporting block	CDG2370-05	8	
07	Transmission lock	CDG2370	1	
08	Locking plate	SK51	2	
09	Waterproof cap	H52-13	2	
10	Anti-theft piece	H52-14	1	
11	Left positioning block	H52-17L	1	
12	Right positioning block	H52-17R	1	
13	Upper cover	H52-16	1	
14	Supporting block	H52-12	3	
15	Left end	H52-18R	1	H52-18L for left sliding
16	Right cover	H52-15R	1	H52-15L for left sliding
17	Anti-strike block	T-FK-D	1	Product of sliding door & window accessory division
18	Cushion block	H50-18	3	
19	Transmission lock	ZTTL100-01	1	Product of window roller division
20	Lock hook	ZTTL100-05	2	Product of window roller division
21	Middle roller	H51	1	Product of window roller division
22	Cushion block	H50-18	1	
23	Handle	Z201	1	Optional, standard exposed length of square steel is 28 mm
24	Handle	Z202	1	Optional, standard exposed length of square steel is 107 mm
25	Locking plate	SK50	2	Optional
26	Locking plate	SK52	2	Optional

Configuration instruction:

- ★ This system continues the practicability of sliding door and solves the sealing problem of it well. It occupies small space when opening and dimension of opened is small. (for example: maximum door hole width for single sliding door is up to 6000mm, sash width is 3000mm, door hole height is up to 2800mm and sash height is 2675mm.) handle is turned to 180° and pulled to direction of sash midst to open the door
- ★ The maximum weight for the opening sash is 300kg and this weight bearing capacity is up to roller and its quantity
- ★ width of 1600~2000mm, please judge whether to increase the middle wheel wheel according to actual condition, it is recommended to use more than 2000mm in the middle wheel.
- ★ Z200 handle: The square steel length $L = \text{sash profile thickness } \delta + (19 \sim 23)$, the screw length $L = \text{sash profile thickness } \delta + (-1 \sim 5)$.
- ★ Z201 handle: The square steel length $L = \text{sash profile thickness } \delta + (9 \sim 13)$, the screw(M5) length $L = \text{sash profile thickness } \delta + (4 \sim 8)$.
- ★ Z202 handle: The square steel length $L = \text{sash profile thickness } \delta + (50 \sim 55)$, the screw(M5) length $L = \text{sash profile thickness } \delta + (13 \sim 18)$.

Note : (The above length is the limit length, the actual length of square steel and screw can be calculated according to the specific position of the transmission in normal configuration)

Optional handle

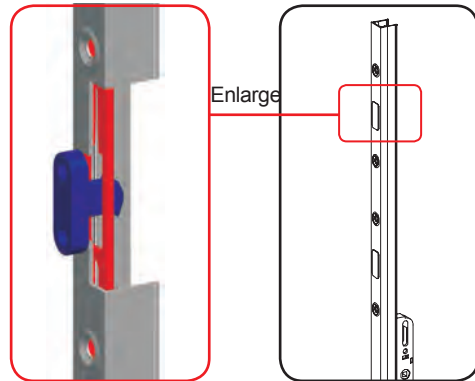


Characteristic Description for TTL300 Series Lifting & Sliding Door

Feature of door type

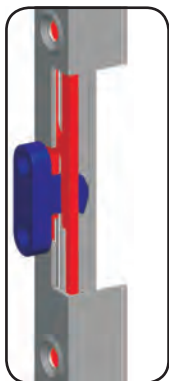
- ◆ With excellent weight bearing capacity and stable operation
- ◆ Save the room space when opening
- ◆ Continuing the practicability of sliding door and solving the sealing problem effectively
- ◆ With flexible door leaf combination (such as single sash /double sash/ three- sash/ double-way opening door etc.)
- ◆ With excellent combination of hardware, strip and profile, it can solve normal problems like sealing, anti-dust and sound insulation
- ◆ With flexible and small operation force, it can be moved easily. And after it is opened it can extend the roller life cycle due to the zero load when the sash is locked.
- ◆ With adjustable transmitter, supporting block and linking rod, it can be applied to various profile.
- ◆ With excellent anti-theft performance, even under the condition of micro-ventilation.

Open state

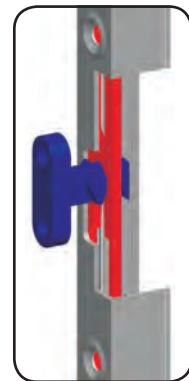


- 01**
Feature of CDG2370
- ◆ Flexible and smooth movement, small opening force
 - ◆ Multi-point fixed way
 - ◆ With the flexible locking plate position
 - ◆ Strong applicability and good stability

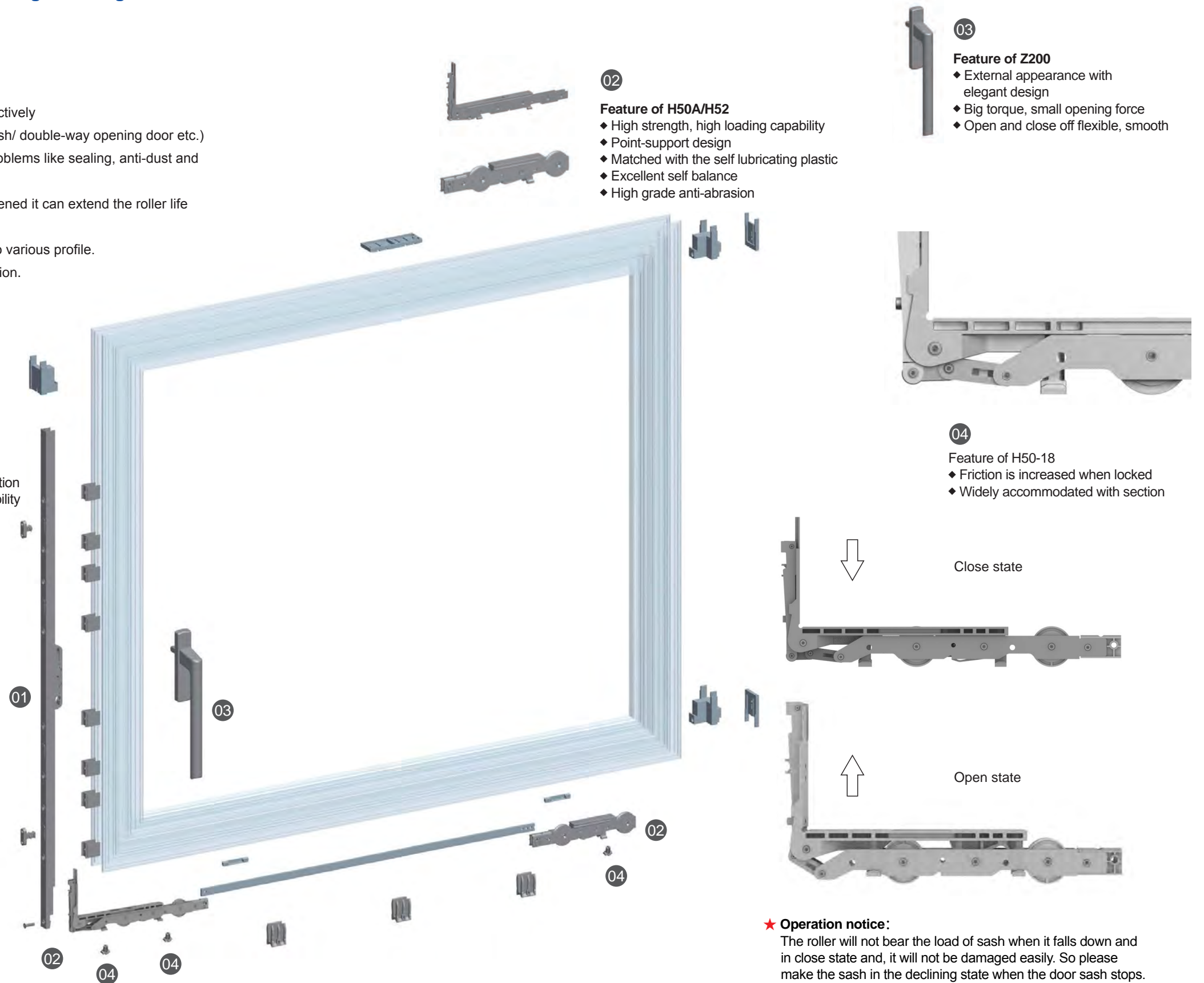
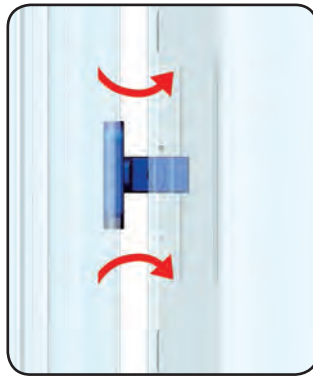
Close state



Micro-ventllation state



Micro-ventllation




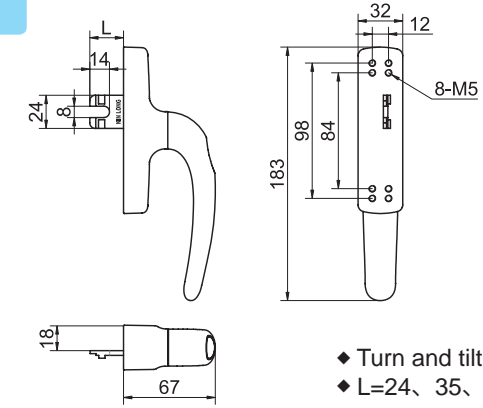

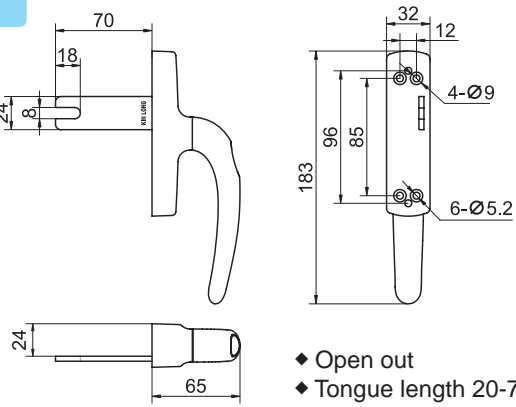

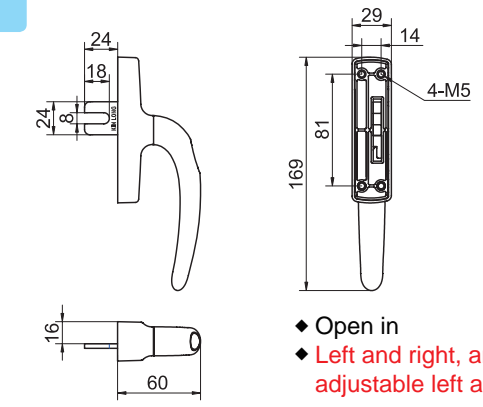

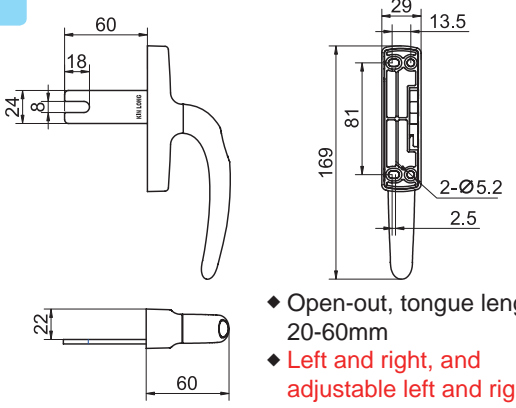
- 02**
Feature of H50A/H52
- ◆ High strength, high loading capability
 - ◆ Point-support design
 - ◆ Matched with the self lubricating plastic
 - ◆ Excellent self balance
 - ◆ High grade anti-abrasion

- 03**
Feature of Z200
- ◆ External appearance with elegant design
 - ◆ Big torque, small opening force
 - ◆ Open and close off flexible, smooth


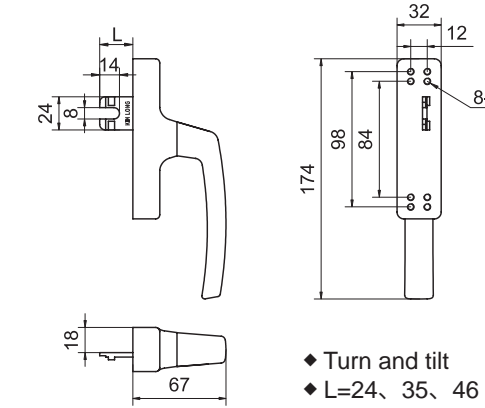

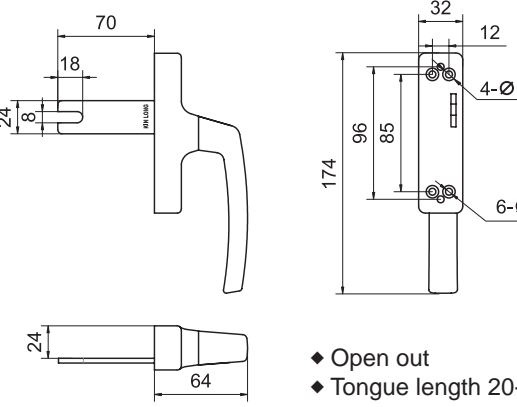

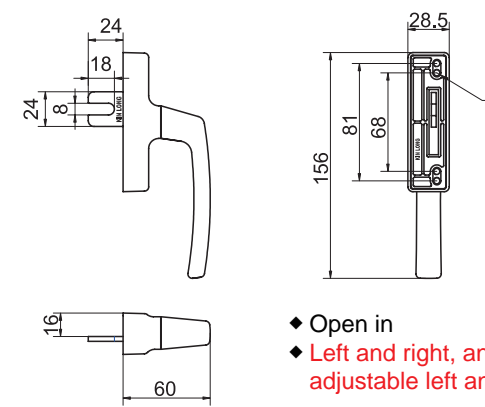

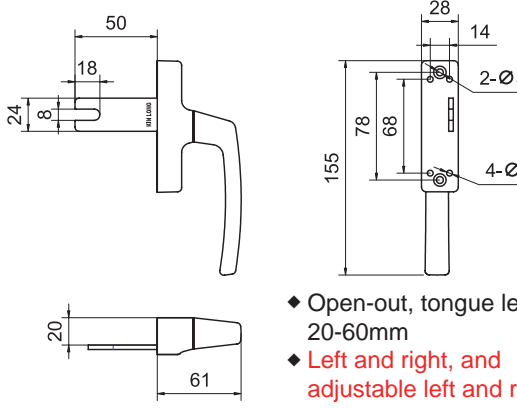
- 04**
Feature of H50-18
- ◆ Friction is increased when locked
 - ◆ Widely accommodated with section

★ Operation notice:
 The roller will not bear the load of sash when it falls down and in close state and, it will not be damaged easily. So please make the sash in the declining state when the door sash stops.


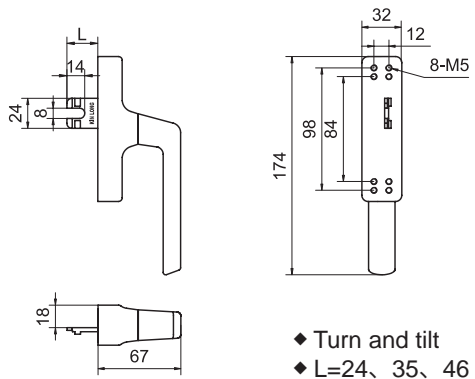

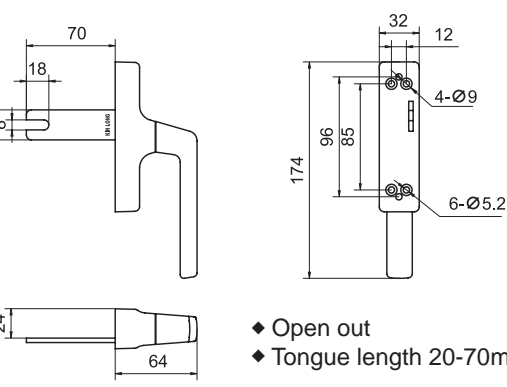

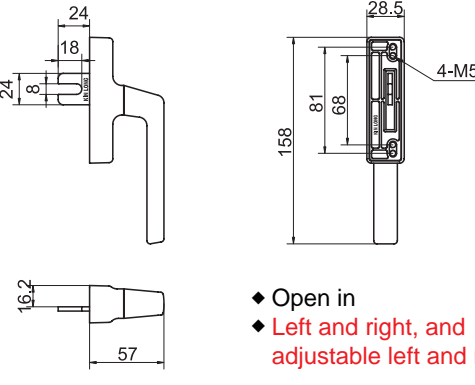

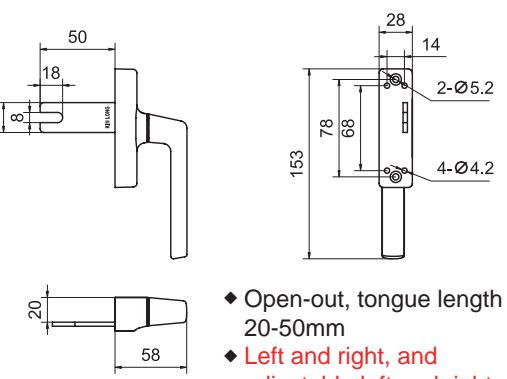
Streamline Window Handle Series

	<p>CZS08</p>  <ul style="list-style-type: none"> ◆ Turn and tilt ◆ L=24、35、46
	<p>CZS108</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue length 20-70mm
	<p>CZS208</p>  <ul style="list-style-type: none"> ◆ Open in ◆ Left and right, and adjustable left and right
	<p>CZS308</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-60mm ◆ Left and right, and adjustable left and right


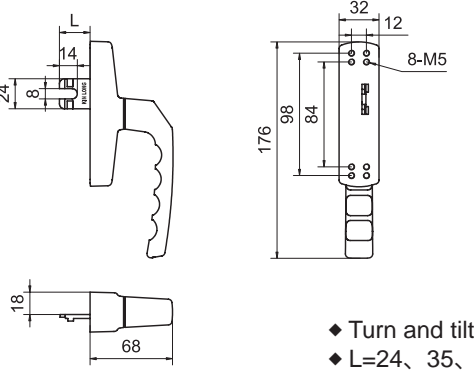

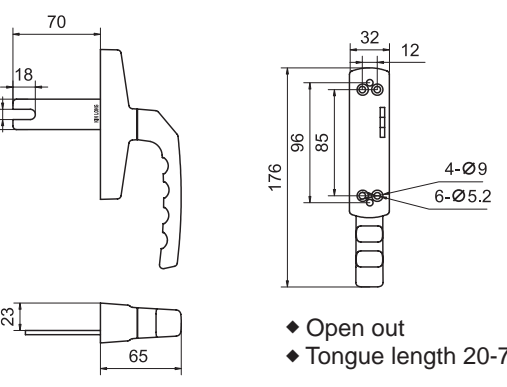

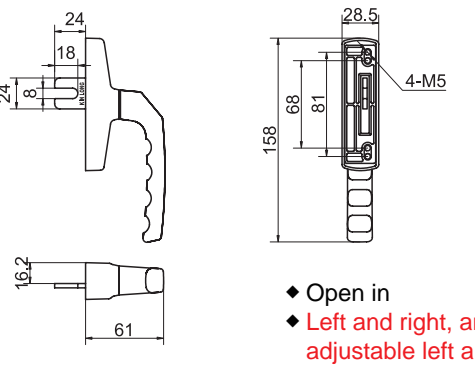

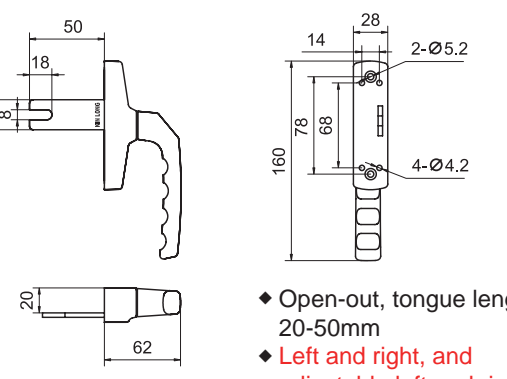
Brief Style Window Handle Series

	<p>CZS19</p>  <ul style="list-style-type: none"> ◆ Turn and tilt ◆ L=24、35、46
	<p>CZS119</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue length 20-70mm
	<p>CZS219A</p>  <ul style="list-style-type: none"> ◆ Open in ◆ Left and right, and adjustable left and right
	<p>CZS319</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-60mm ◆ Left and right, and adjustable left and right


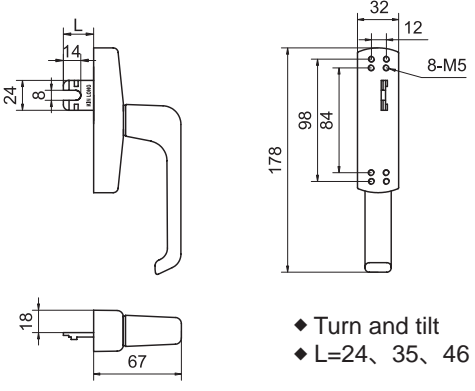

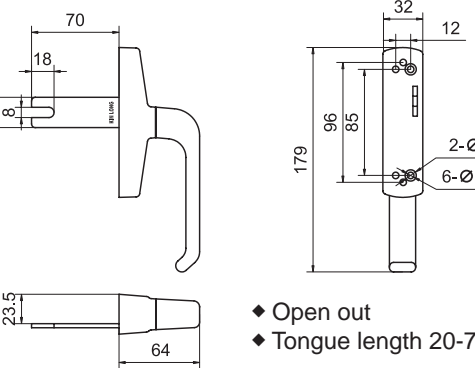

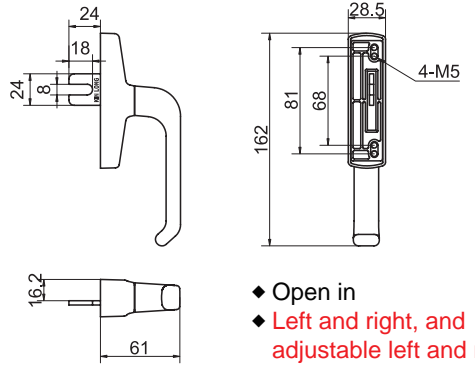

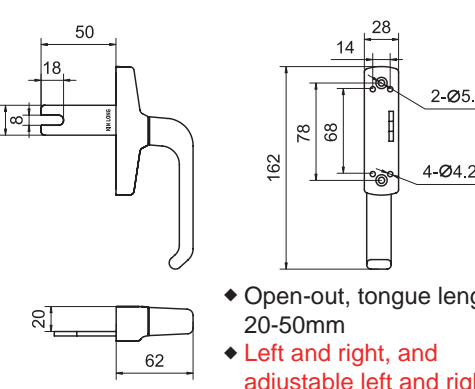
Brief Style Window Handle Series

 <p>Patented product</p>	<p>CZS20</p>  <ul style="list-style-type: none"> ◆ Turn and tilt ◆ L=24、35、46
 <p>Patented product</p>	<p>CZS120</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue length 20-70mm
 <p>Patented product</p>	<p>CZS220A</p>  <ul style="list-style-type: none"> ◆ Open in ◆ Left and right, and adjustable left and right
 <p>Patented product</p>	<p>CZS320</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-50mm ◆ Left and right, and adjustable left and right

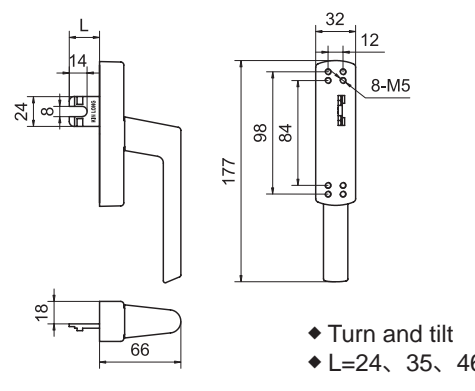

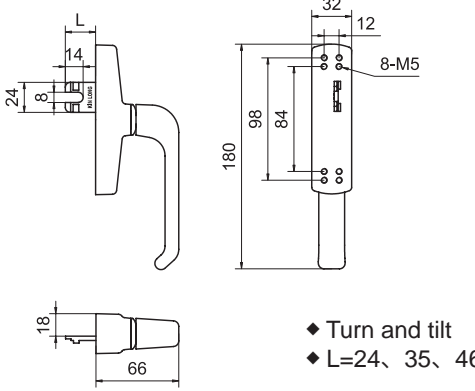

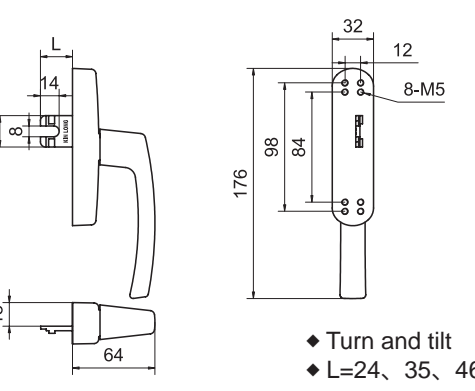

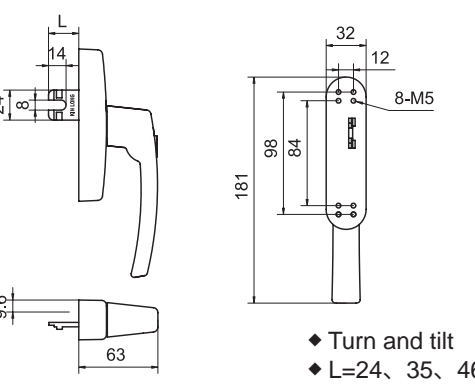

Steady type handle

	<p>CZS22</p>  <ul style="list-style-type: none"> ◆ Turn and tilt ◆ L=24、35、46
	<p>CZS122</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue length 20-70mm
	<p>CZS222A</p>  <ul style="list-style-type: none"> ◆ Open in ◆ Left and right, and adjustable left and right
	<p>CZS322</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-50mm ◆ Left and right, and adjustable left and right


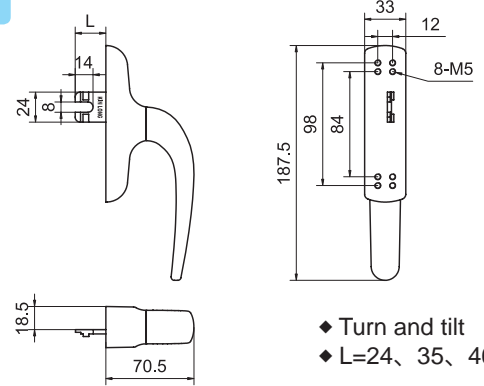

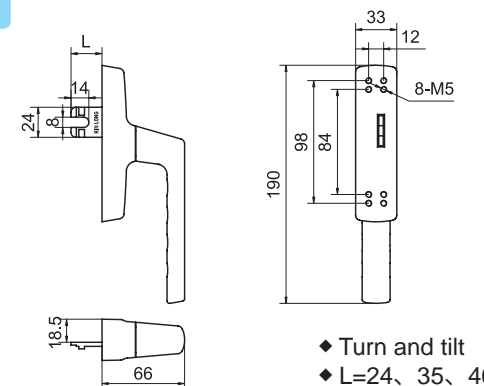

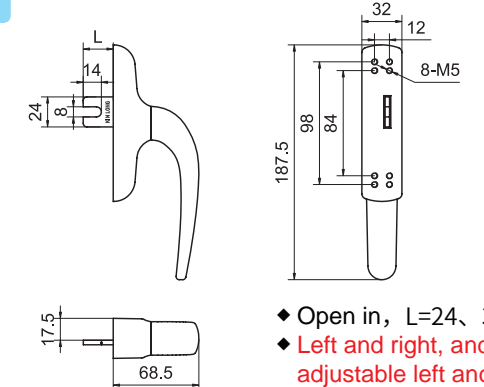

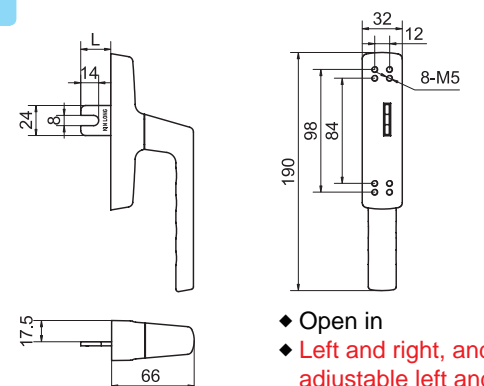
Steady type handle

	<p>CZS23</p>  <ul style="list-style-type: none"> ◆ Turn and tilt ◆ L=24、35、46
	<p>CZS123</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue length 20-70mm
	<p>CZS223A</p>  <ul style="list-style-type: none"> ◆ Open in ◆ Left and right, and adjustable left and right
	<p>CZS323</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-50mm ◆ Left and right, and adjustable left and right


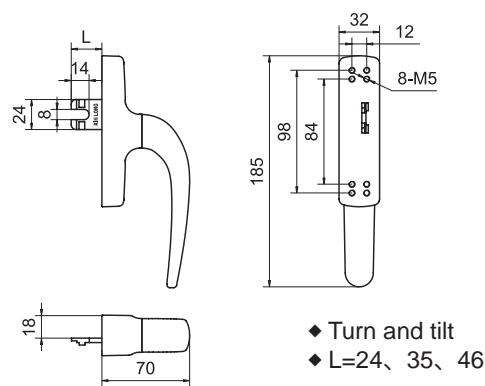

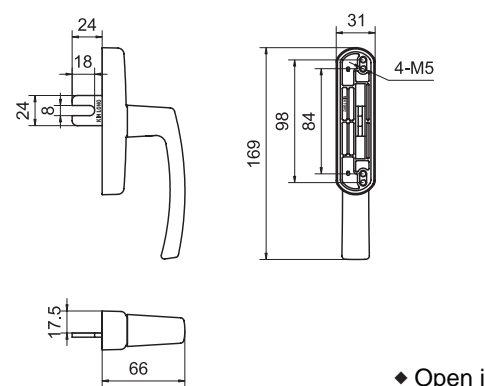
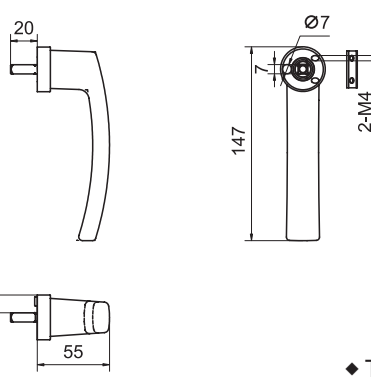
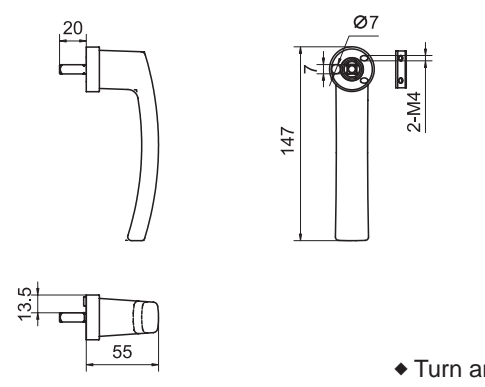

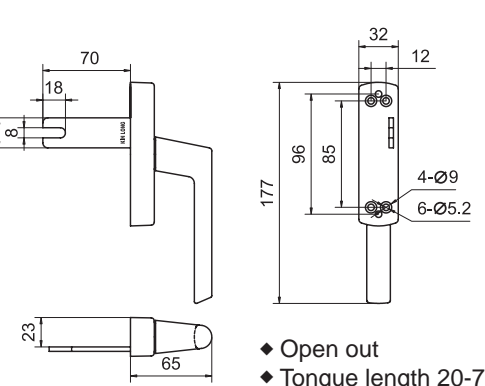
Other Window Handle Series

	<p>CZS10</p>  <ul style="list-style-type: none"> ◆ Turn and tilt ◆ L=24、35、46
	<p>CZS21A</p>  <ul style="list-style-type: none"> ◆ Turn and tilt ◆ L=24、35、46 <p>Patented product</p>
	<p>CZS30</p>  <ul style="list-style-type: none"> ◆ Turn and tilt ◆ L=24、35、46
	<p>CZS30S</p>  <ul style="list-style-type: none"> ◆ Turn and tilt ◆ L=24、35、46


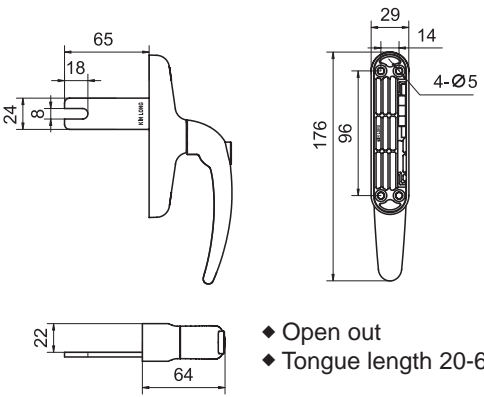

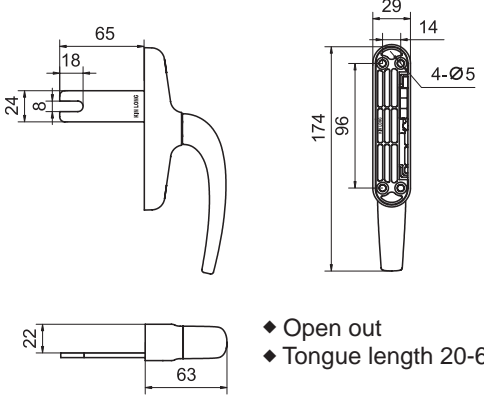

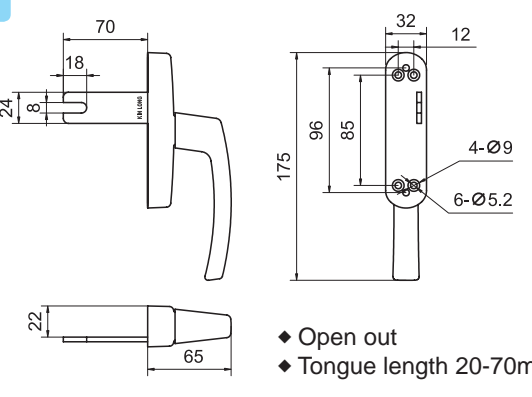

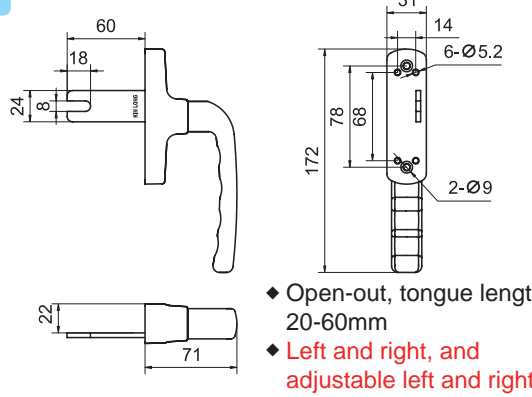
Other Window Handle Series

 <p>Patented product</p>	<p>LCZS38</p>  <ul style="list-style-type: none"> ◆ Turn and tilt ◆ L=24、35、46
 <p>Patented product</p>	<p>LCZS39</p>  <ul style="list-style-type: none"> ◆ Turn and tilt ◆ L=24、35、46
 <p>Patented product</p>	<p>LCZS58</p>  <ul style="list-style-type: none"> ◆ Open in, L=24、35 ◆ Left and right, and adjustable left and right
 <p>Patented product</p>	<p>LCZS59</p>  <ul style="list-style-type: none"> ◆ Open in ◆ Left and right, and adjustable left and right


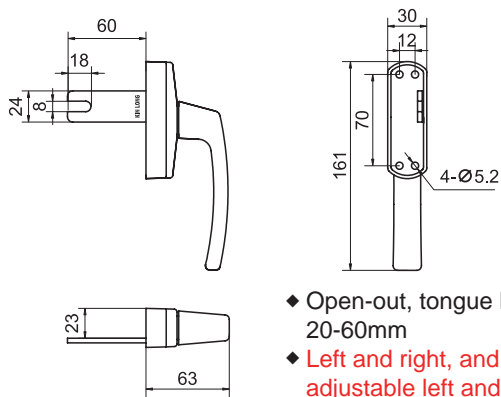

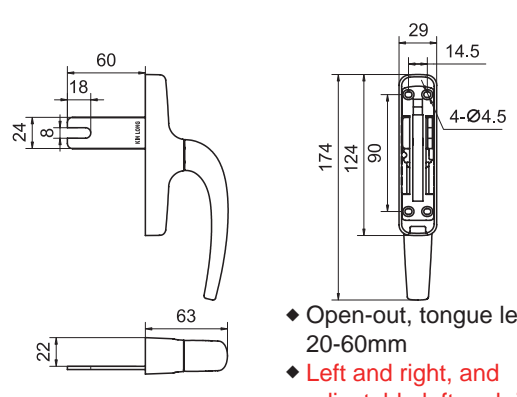

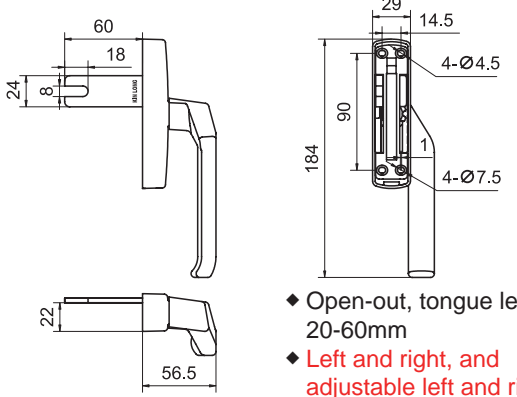

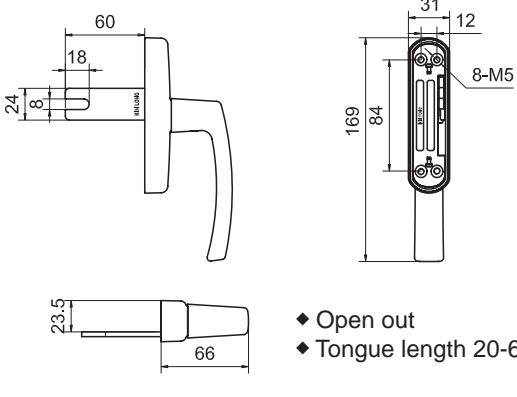
Other Window Handle Series

	<p>LCZS66</p>  <ul style="list-style-type: none"> ◆ Turn and tilt ◆ L=24、35、46
	<p>LCZS91</p>  <ul style="list-style-type: none"> ◆ Open in
	<p>FZS11A</p>  <ul style="list-style-type: none"> ◆ Turn and tilt
	<p>CZS100</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue length 20-70mm


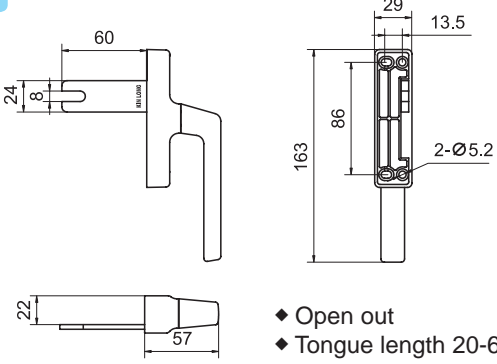

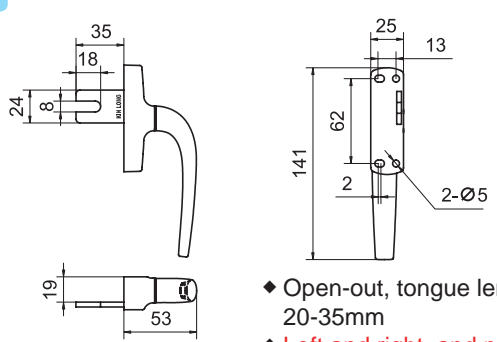

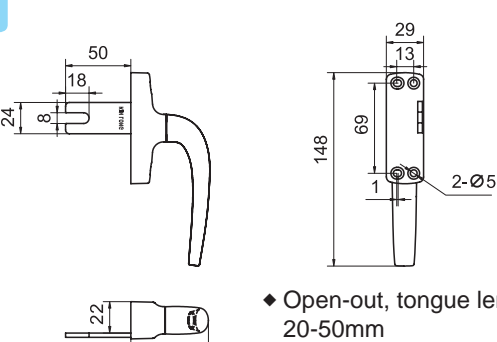

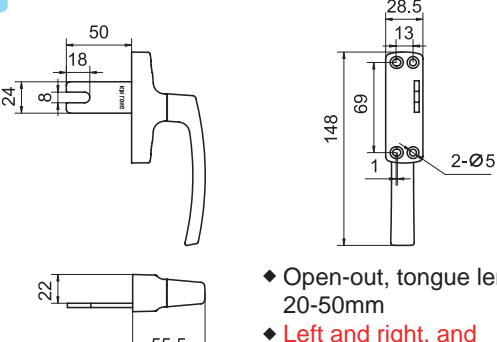
Other Window Handle Series

	<p>CZS116AS</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue length 20-65mm
	<p>CZS126A</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue length 20-65mm
	<p>CZS130</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue length 20-70mm
 <p>Patented product</p>	<p>CZS132</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-60mm ◆ Left and right, and adjustable left and right


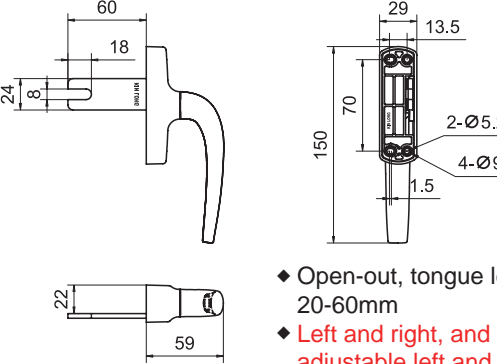

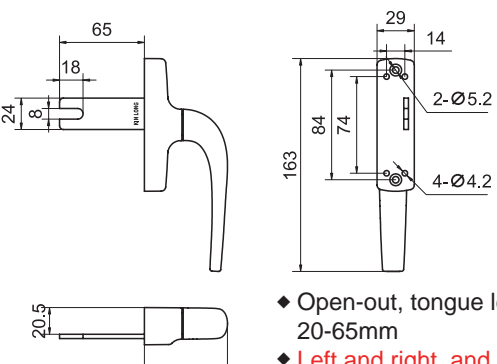

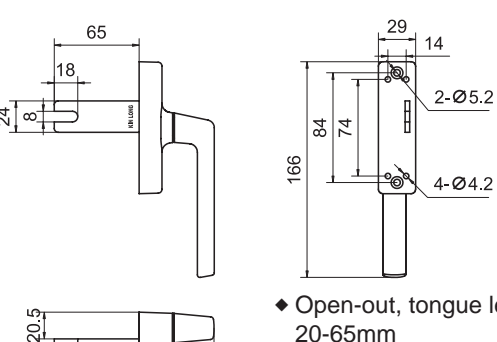

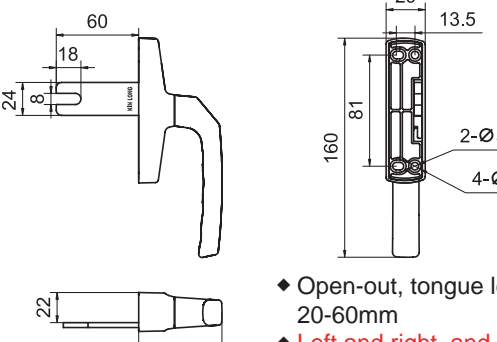
Other Window Handle Series

	<p>CZS133</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-60mm ◆ Left and right, and adjustable left and right
 <p>Patented product</p>	<p>CZS160A</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-60mm ◆ Left and right, and adjustable left and right
	<p>CZS163</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-60mm ◆ Left and right, and adjustable left and right
	<p>LCZS191</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue length 20-60mm


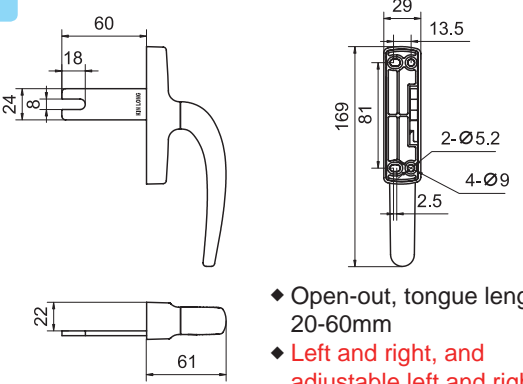

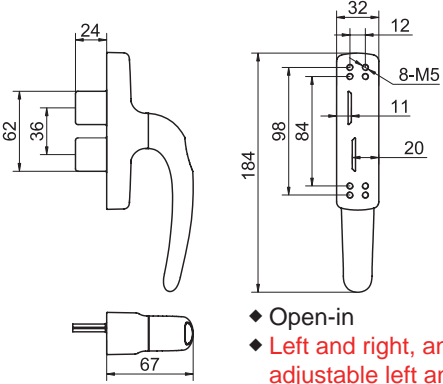

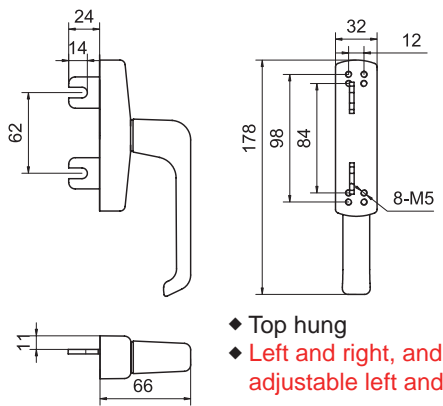

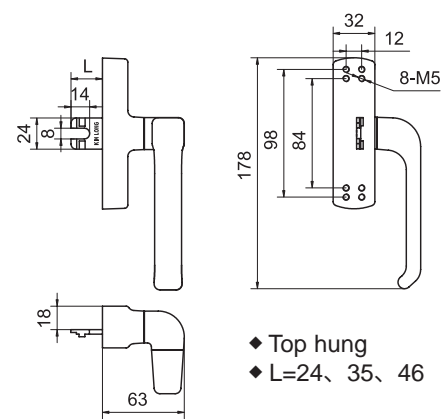
Other Window Handle Series

	<p>CZS200</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue length 20-60mm
	<p>CZS310</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-35mm ◆ Left and right, and not adjustable left and right
	<p>LCZS313</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-50mm ◆ Left and right, and adjustable left and right
	<p>LCZS314</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-50mm ◆ Left and right, and adjustable left and right


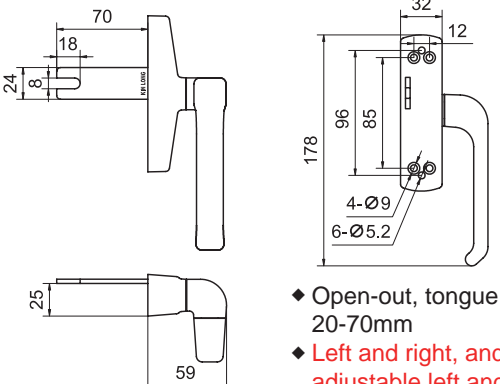

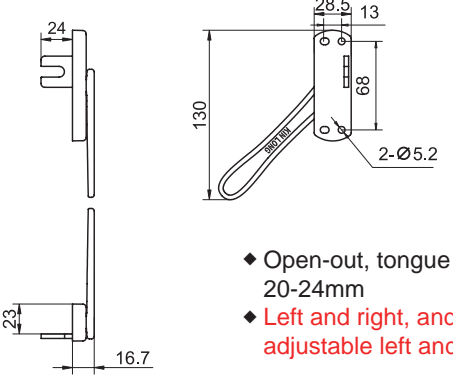

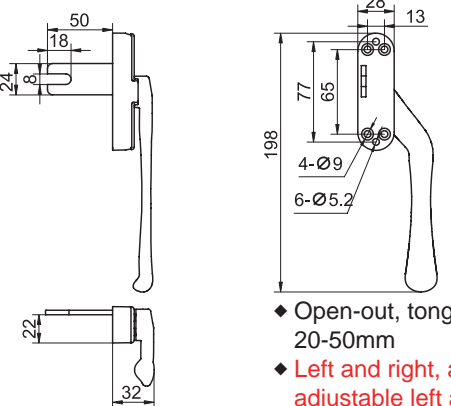

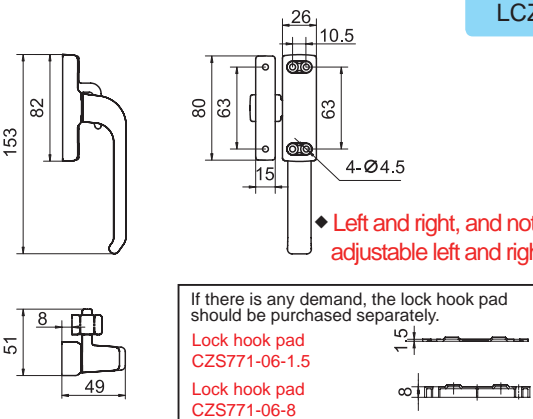
Other Window Handle Series

	<p>LCZS326</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-60mm ◆ Left and right, and adjustable left and right
	<p>LCZS3318</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-65mm ◆ Left and right, and adjustable left and right
	<p>LCZS3320</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-65mm ◆ Left and right, and adjustable left and right
	<p>CZS332</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-60mm ◆ Left and right, and adjustable left and right


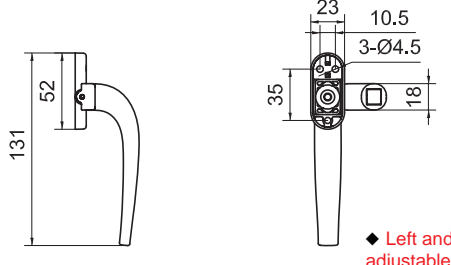


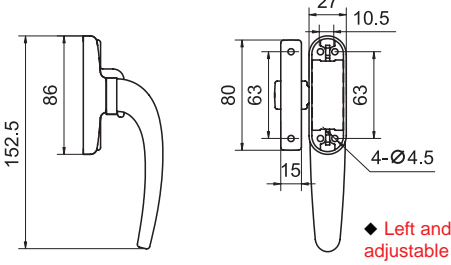


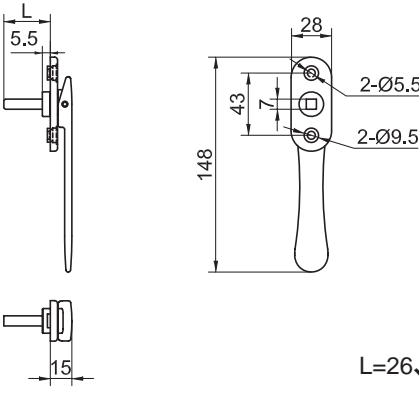

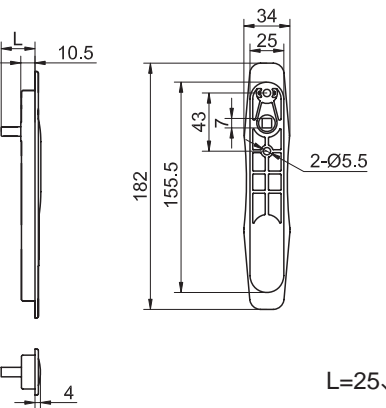
Other Window Handle Series

	<p>LCZS366</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-60mm ◆ Left and right, and adjustable left and right
	<p>CZS408</p>  <ul style="list-style-type: none"> ◆ Open-in ◆ Left and right, and adjustable left and right
	<p>CZS519</p>  <ul style="list-style-type: none"> ◆ Top hung ◆ Left and right, and not adjustable left and right
	<p>CZS619</p>  <ul style="list-style-type: none"> ◆ Top hung ◆ L=24, 35, 46

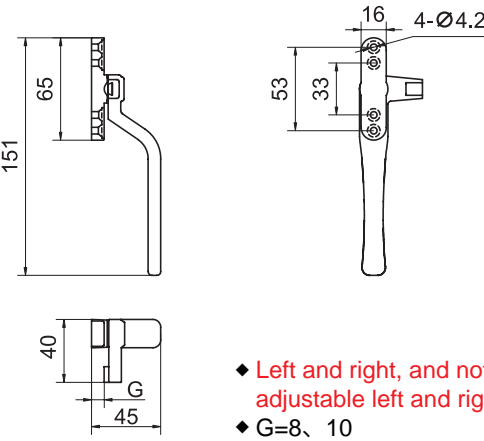

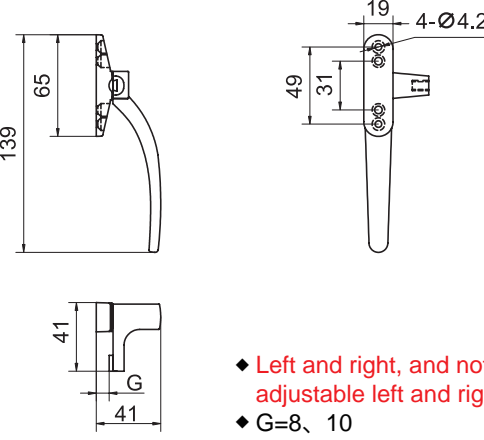

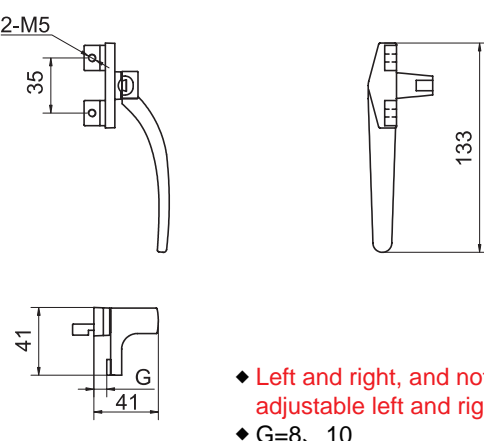

Other Window Handle Series

	<p>CZS621</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-70mm ◆ Left and right, and not adjustable left and right <p>This picture is left type</p>
	<p>LCZS635</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-24mm ◆ Left and right, and adjustable left and right
	<p>CZS639</p>  <ul style="list-style-type: none"> ◆ Open-out, tongue length 20-50mm ◆ Left and right, and not adjustable left and right <p>This picture is right type</p>
	<p>LCZS770</p>  <ul style="list-style-type: none"> ◆ Left and right, and not adjustable left and right <p>If there is any demand, the lock hook pad should be purchased separately. Lock hook pad CZS771-06-1.5 Lock hook pad CZS771-06-8</p> <p>This picture is right type Patented product</p>


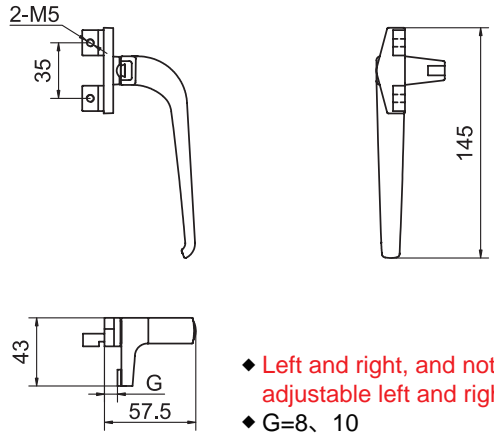

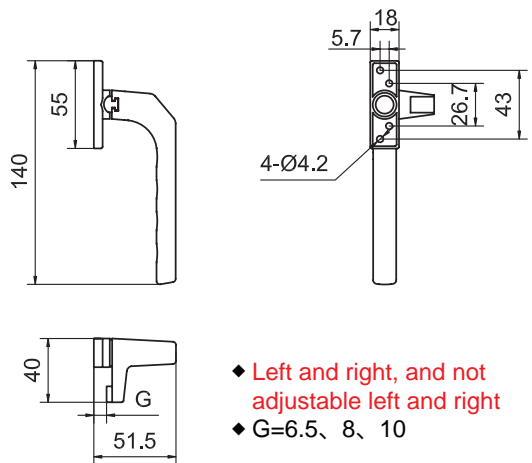

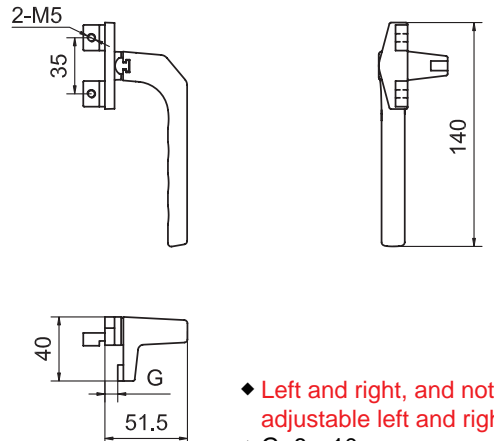
Other Window Handle Series

 <p>This picture is right type</p>	<p>LCZS771</p>  <p>◆ Left and right, and not adjustable left and right</p> <p>If required, handle seat cushions are available separately: Handle seat cushion CZS771-06-1.5 Handle seat cushion CZS771-06-8 (Only one 8mm can be used when stacking)</p> 
 <p>This picture is right type</p>	<p>CZS716A</p>  <p>◆ Left and right, and not adjustable left and right</p> <p>If required, handle seat cushions are available separately: Lock hook pad CZS770-08-1.5 Lock hook pad CZS770-08-8</p> 
	<p>T28D</p>  <p>L=26、32、50</p>
	<p>T34</p>  <p>L=25、35、50</p>

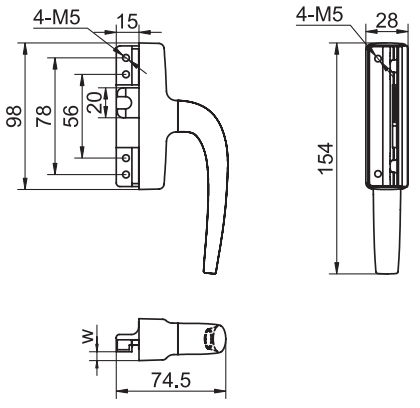

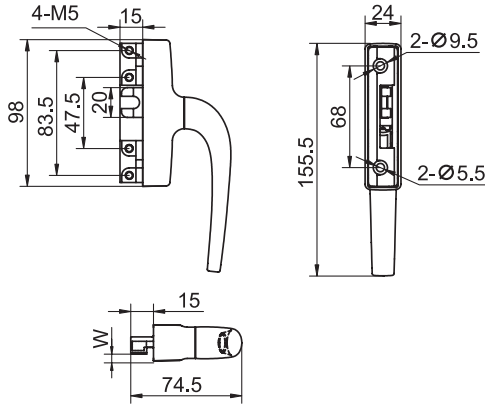

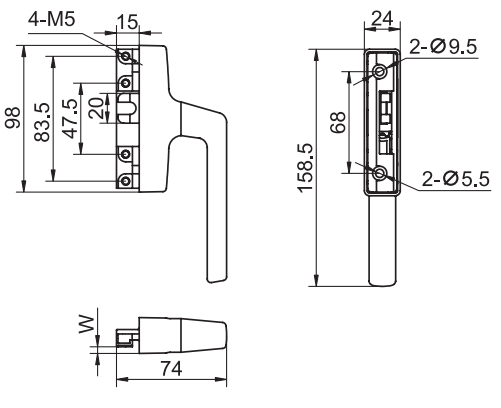
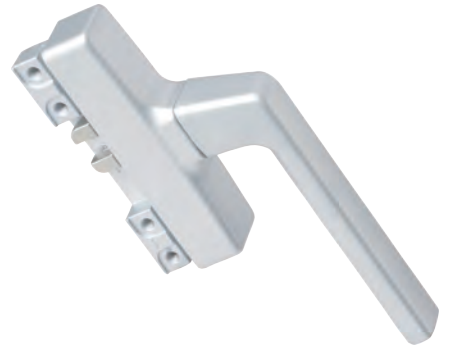
Other Window Handle Series

 <p>◆ Left and right, and not adjustable left and right ◆ G=8、10</p>	<p>MQ02</p>  <p>This picture is right type</p>
 <p>◆ Left and right, and not adjustable left and right ◆ G=8、10</p>	<p>MQ03</p>  <p>This picture is right type</p>
 <p>◆ Left and right, and not adjustable left and right ◆ G=8、10</p>	<p>MQ04</p>  <p>This picture is right type</p>












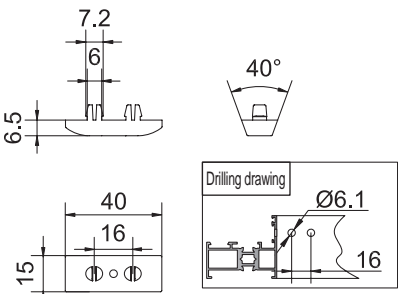

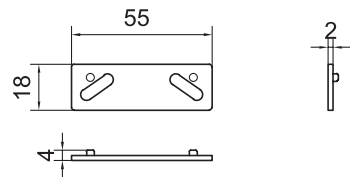

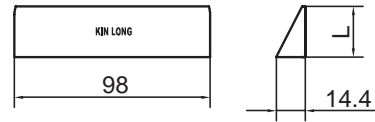
Other Window Handle Series

<p>Patented product</p>  <p>This picture is right type</p>	<p>MQ05</p>  <ul style="list-style-type: none"> ◆ Left and right, and not adjustable left and right ◆ G=8、10
 <p>This picture is right type</p>	<p>MQ06</p>  <ul style="list-style-type: none"> ◆ Left and right, and not adjustable left and right ◆ G=6.5、8、10
 <p>This picture is right type</p>	<p>MQ07</p>  <ul style="list-style-type: none"> ◆ Left and right, and not adjustable left and right ◆ G=8、10

Other Window Handle Series


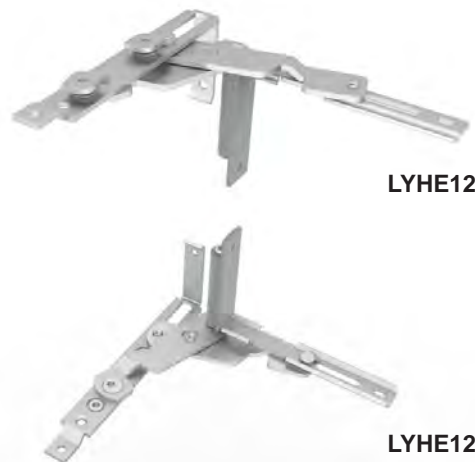

 <ul style="list-style-type: none"> ◆ It's K218A/I when W=8.2 ◆ It's K218A/II when W=4.5 ◆ It's K218A/III when W=0 	<p>K218A/I K218A/II K218A/III</p>  <p>This picture is right type</p> <p>Patented product</p>
 <ul style="list-style-type: none"> ◆ It's K318A/I when W=4.5 ◆ It's K318A/II when W=3 ◆ It's K318A/III when W=0 	<p>K318 K318/II K318/III</p>  <p>This picture is right type</p> <p>Patented product</p>
 <ul style="list-style-type: none"> ◆ It's K320A/I when W=4.5 ◆ It's K320A/II when W=3 ◆ It's K320A/III when W=0 	<p>K320 K320/II K320/III</p>  <p>This picture is right type</p> <p>Patented product</p>

Window Handle Accessory Series




	<p>Clamping piece</p> <table border="1"> <thead> <tr> <th>Size</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td></td> <td>MQ06-03-5.3</td> </tr> <tr> <td></td> <td>MQ03A-004C</td> </tr> <tr> <td></td> <td>MQ06-03-8.8</td> </tr> </tbody> </table> <p>Handle selection reference:</p> <ul style="list-style-type: none"> ◆ It's MQ06-03-5.3 when handle G=10 ◆ It's MQ03A-004C when handle G=8 ◆ It's MQ06-03-8.8 when handle G=6.5 	Size	Code		MQ06-03-5.3		MQ03A-004C		MQ06-03-8.8
Size	Code								
	MQ06-03-5.3								
	MQ03A-004C								
	MQ06-03-8.8								
	<p>MQ06-04A</p>  <ul style="list-style-type: none"> ◆ Shim is used with 7-shaped handle on windows which frame and sash are in the same level. ◆ Installed on the frame profile. 								
	<p>MQ06-05</p>  <ul style="list-style-type: none"> ◆ Bottom washer and handle MQ06 are applicable to window types whose height needs to be increased by 2mm. ◆ It is placed at the bottom of handle base and fixed together with handle on the profile. 								
	<p>K320-06</p>  <ul style="list-style-type: none"> ◆ Decoration cap is used together with handle of K218A/I, K218A/II, K218A/III, K318, K318/III, K320, K320/II, K320/III. ◆ Side screw hole will be invisible after installation <p>Height L=12-25</p>								

Patented product

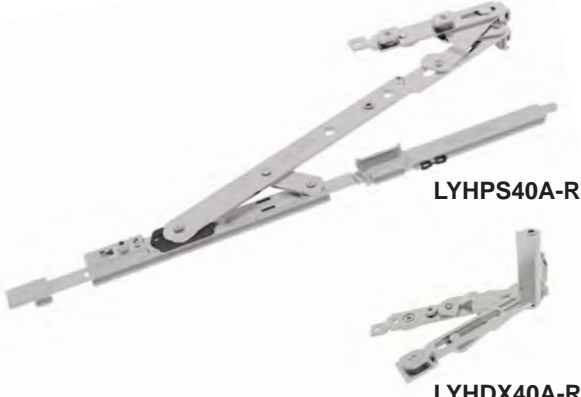

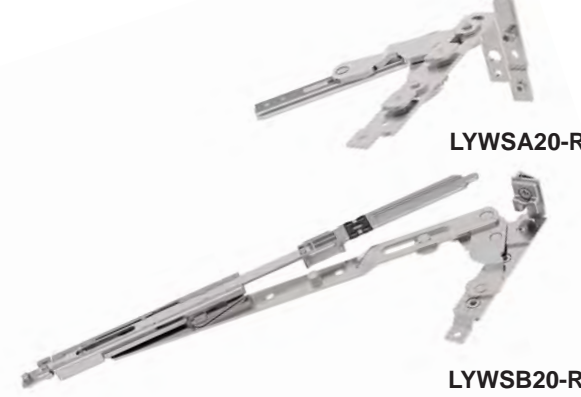
Concealed Window Hinge Series

<p>LYHE11</p> <ul style="list-style-type: none"> ◆ Left & right, a complete set (one left and one right) for side hung window with european standard C groove. ◆ Maximum bearing capacity is 70Kg, which is affected by the installation and profile design. ◆ The hinge is adjustable up and down, adjustable left and right. 	 <p>LYHE11-L</p> <p>LYHE11-R</p> <p>Patented product</p>
<p>LYHE12</p> <ul style="list-style-type: none"> ◆ Left & right, a complete set (one left and one right) for side hung window with european standard C groove. ◆ All stainless steel design can be used for fire-resistant windows ◆ Maximum bearing capacity is 60Kg, which is affected by the installation and profile design. ◆ The hinge is adjustable up and down, adjustable left and right. 	 <p>LYHE12-L</p> <p>LYHE12-R</p>
<p>LYHE13</p> <ul style="list-style-type: none"> ◆ Left & right, a complete set (one left and one right) for side hung window with european standard C groove. ◆ All stainless steel design can be used for fire-resistant windows ◆ Maximum bearing capacity is 40Kg, which is affected by the installation and profile design. ◆ The hinge is adjustable up and down, adjustable left and right. 	 <p>LYHE13-L</p> <p>LYHE13-R</p>


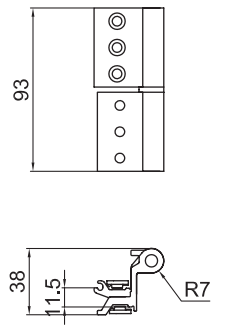

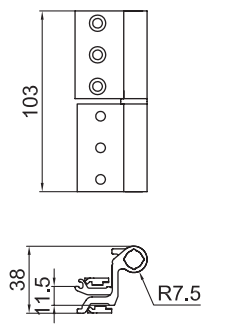

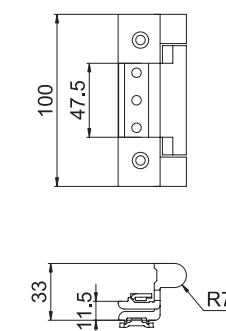

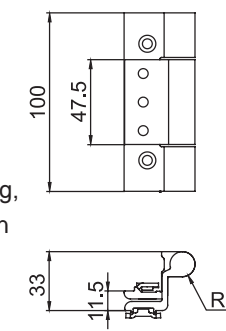
Concealed Window Hinge Series

 <p>LYHE15A-L</p> <p>LYHE15A-R</p>	<p>LYHE15A</p> <ul style="list-style-type: none"> ◆ Left & right, a complete set (one left and one right) for side hung window with european standard C groove. ◆ Maximum bearing capacity is 50Kg.which is affected by the installation and profile design. ◆ The hinge is adjustable up and down,adjustable left and right.
 <p>LYHEA31-R</p> <p>LYHEB31A-R</p> <p>Patented product</p>	<p>LYHEA31/LYHEB31A</p> <ul style="list-style-type: none"> ◆ Left & right, a complete set for side hung window with european standard C groove. ◆ Maximum bearing capacity is 90Kg.which is affected by the installation and profile design. ◆ The hinge is three dimensional adjustable.
 <p>LYHPS30-R</p> <p>LYHDX30-R</p> <p>Patented product</p>	<p>LYHPS30/LYHDX30 LYHDS30/LYHDX30</p> <ul style="list-style-type: none"> ◆ Left & right, LYHPS30/LYHDX30 Applicable to turn & tilt windows; change from LYHPS30 to LYHPS31 when used on multi-ponint lock on 4 sides. ◆ LYHDS30/LYHDX30 Applicable to tilt & turn windows; change from LYHDS30 to LYHDS31 when used on multi-ponint lock on 4 sides. ◆ Maximum bearing capacity is 90Kg.which is affected by the installation and profile design. ◆ The hinge is three dimensional adjustable.

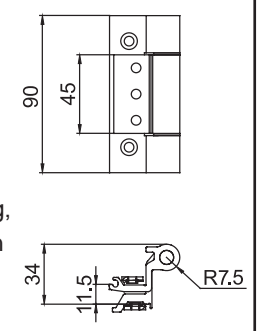

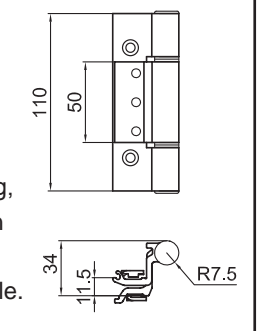

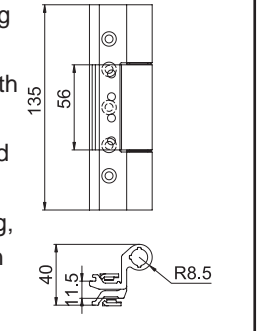

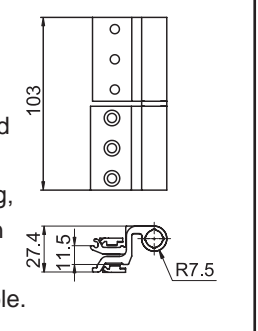

Concealed Window Hinge Series

<p>LYHPS40A/LYHDX40A LYHDS40A/LYHDX40A</p> <ul style="list-style-type: none"> ◆ Left & right, LYHPS40/LYHDX40 Applicable to turn & tilt windows; change from LYHPS40 to LYHPS41 when used on multi-ponint lock on 4 sides. ◆ LYHDS40/LYHDX40 Applicable to tilt & turn windows; change from LYHDS40 to LYHDS41 when used on multi-ponint lock on 4 sides. ◆ Maximum bearing capacity is 70Kg.which is affected by the installation and profile design. ◆ The hinge is three dimensional adjustable. 	 <p>LYHPS40A-R</p> <p>LYHDX40A-R</p>
<p>LYHPS50/LYHDX50 LYHDS50/LYHDX50</p> <ul style="list-style-type: none"> ◆ Left & right, LYHPS50/LYHDX50 Applicable to turn & tilt windows; change from LYHPS40 to LYHPS41 when used on multi-ponint lock on 4 sides. ◆ LYHDS50/LYHDX50 Applicable to tilt & turn windows; change from LYHDS50 to LYHDS51 when used on multi-ponint lock on 4 sides. ◆ Maximum bearing capacity is 70Kg.which is affected by the installation and profile design. ◆ The hinge is three dimensional adjustable. 	 <p>LYHPS50-R</p> <p>LYHDX50-R</p>
<p>LYWSA20/LYWSB20</p> <ul style="list-style-type: none"> ◆ Left & right, applicable to top-hung & open-out window with european C groove. ◆ Change from LYWSB20 to LYWSB21 when used on multi-ponint lock. ◆ Maximum bearing capacity is 50Kg.which is affected by the installation and profile design. ◆ The hinge is adjustable left and right. 	 <p>LYWSA20-R</p> <p>LYWSB20-R</p> <p>Patented product</p>


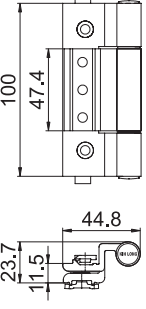

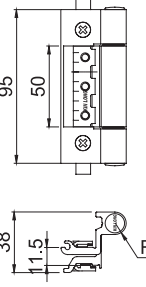

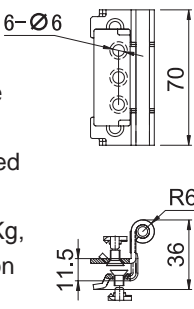

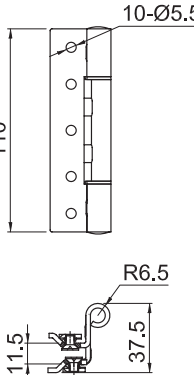
Other Window Hinge Series

	<p>J2B</p> <ul style="list-style-type: none"> ◆ Left & right, Applicable to casement window with standard C groove. ◆ Gap between frame and sash needs 3.5-5.0 mm. ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design. 
 <p>Patented product</p>	<p>J3</p> <ul style="list-style-type: none"> ◆ Left & right, Applicable to casement window with standard C groove. ◆ Gap between frame and sash needs 3.5-5mm ◆ Profile thickness needs 1.2mm-1.7mm. ◆ Maximum bearing capacity is 60Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable. 
	<p>N2C</p> <ul style="list-style-type: none"> ◆ Applicable to casement window with standard C groove. ◆ Gap between frame and sash needs 4.0-5.5 mm. ◆ Maximum bearing capacity is 80kg, which is affected by the installation and profile design. 
	<p>N4B</p> <ul style="list-style-type: none"> ◆ Applicable to casement window with standard C groove. ◆ Gap between frame and sash needs 4.0-5.5 mm. ◆ Maximum bearing capacity is 60Kg, which is affected by the installation and profile design. 

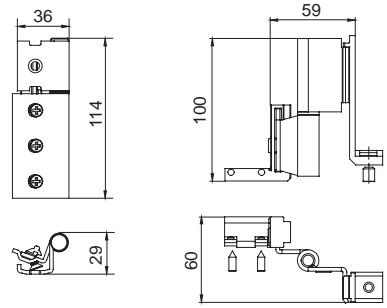
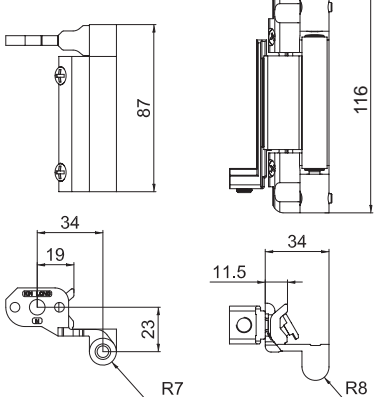
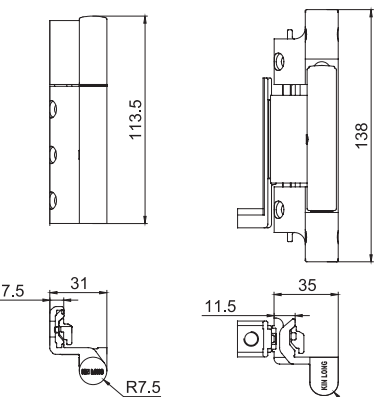
Other Window Hinge Series

<ul style="list-style-type: none"> ◆ Applicable to casement window with standard C groove. ◆ Gap between frame and sash needs 4.0-5.5 mm. ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design. 	
<ul style="list-style-type: none"> ◆ Applicable to casement window with standard C groove. ◆ Gap between frame and sash needs 4.0-5.5 mm. ◆ Maximum bearing capacity is 80Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable. 	
<ul style="list-style-type: none"> ◆ Spring hinge with automatic closing function. ◆ Applicable to casement window with standard C groove. ◆ Gap between frame and sash need 4.0-5.5mm. ◆ Maximum bearing capacity is 60Kg, which is affected by the installation and profile design. 	
<ul style="list-style-type: none"> ◆ Applicable to casement window with standard C groove. ◆ Applicable to narrow frame profile and avoid interference with wall. ◆ Gap between frame and sash need 3.8-5.0mm. ◆ Maximum bearing capacity is 50Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable. 	

Other Window Hinge Series

	<p>LCJ13</p> <ul style="list-style-type: none"> ◆ Applicable to casement window with standard C groove. ◆ Applicable to narrow frame profile and avoid interference with wall. ◆ Gap between frame and sash need 3.5-5.0mm. ◆ Maximum bearing capacity is 50Kg, which is affected by the installation and profile design. 
	<p>LCJ15</p> <ul style="list-style-type: none"> ◆ Applicable to casement window with standard C groove. ◆ Gap between frame and sash need 3.5-5.0mm. ◆ Maximum bearing capacity is 40Kg, which is affected by the installation and profile design. 
 <p>Patented product</p>	<p>BHY20/I</p> <ul style="list-style-type: none"> ◆ Applicable to casement window with standard C groove. ◆ Applicable to narrow frame profile and avoid interference with wall. ◆ Gap between frame and sash need 3.5-5.0mm. ◆ Maximum bearing capacity is 60Kg, which is affected by the installation and profile design. 
	<p>LBHY22</p> <ul style="list-style-type: none"> ◆ Applicable to casement window with standard C groove or Fire-resistant window. ◆ Gap between frame and sash need 3.5-5.0mm. ◆ Maximum bearing capacity is 80Kg, which is affected by the installation and profile design. 

Other Window Hinge Series

	<p>BHYA11-R</p> <p>BHYB11-R</p> <p>Patented product</p>
	<p>NDHA10A-R</p> <p>NDHB10B-R</p> <p>Patented product</p>
	<p>NDHA11-R</p> <p>NDHB11-R</p> <p>Patented product</p>

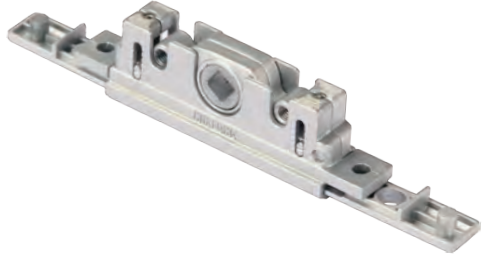
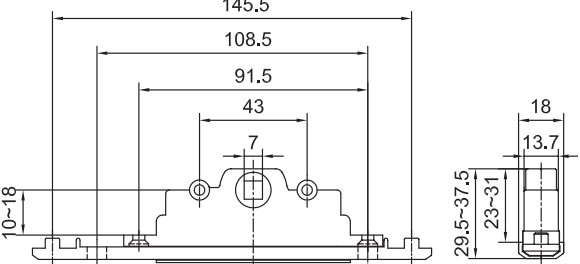

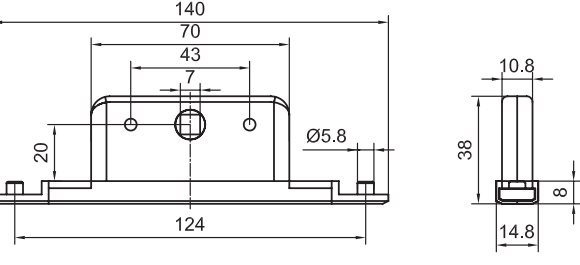

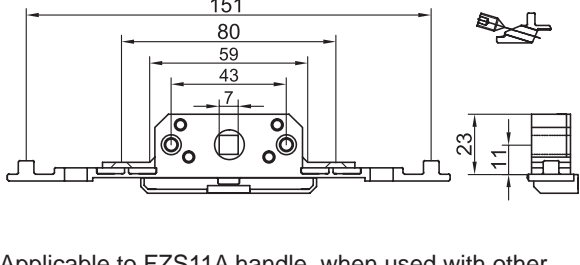

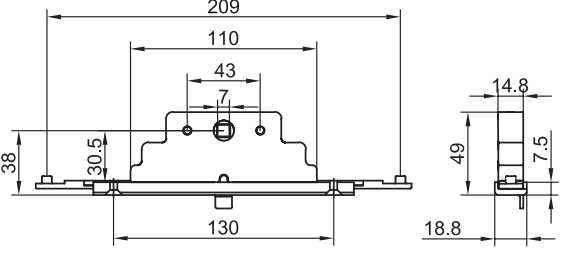
◆ **Left & right**, Applicable to turn & tilt window

◆ This is stainless steel hinge.


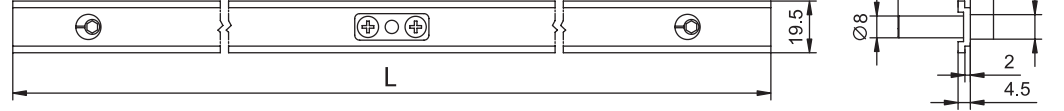

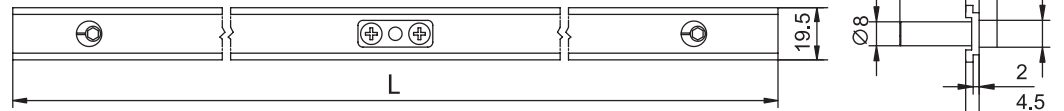

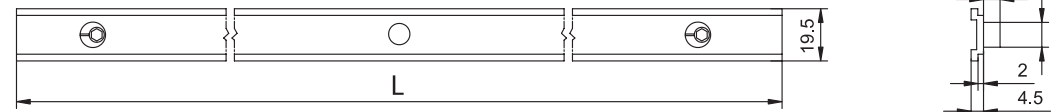

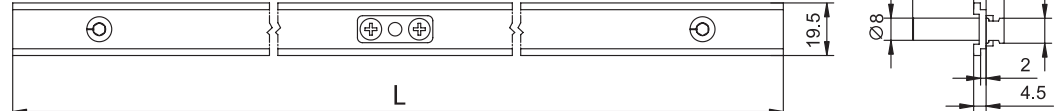

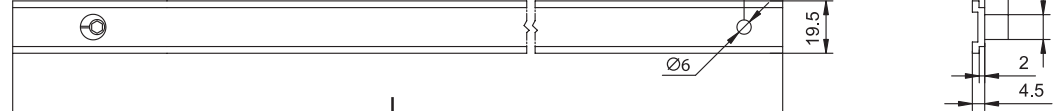
◆ Gap between frame and sash needs 3.5-5.0 mm.

◆ Maximum bearing capacity is 90Kg, which is affected by the installation and profile design.

Transmission Series

 <p>Patented product</p>	<p>CDQ10</p>  <p>◆ Applicable to handles with square steel</p>
	<p>CDQ20</p>  <p>◆ Applicable to handles with square steel</p>
	<p>CDQ30</p>  <p>◆ Applicable to FZS11A handle, when used with other spindle handles, anti-pulling measures are required.</p>
	<p>CDQ40</p>  <p>◆ Applicable to handles with square steel</p>

Transmission Rod Series

 	<p>LZDC01</p> <table border="1"> <tr><td>L(mm)</td></tr> <tr><td>400</td></tr> <tr><td>500</td></tr> <tr><td>600</td></tr> <tr><td>700</td></tr> <tr><td>800</td></tr> <tr><td>900</td></tr> <tr><td>1000</td></tr> <tr><td>1100</td></tr> <tr><td>1200</td></tr> </table>	L(mm)	400	500	600	700	800	900	1000	1100	1200
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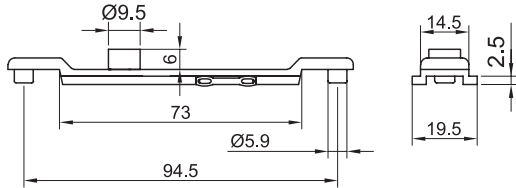

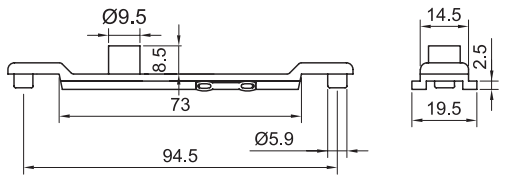

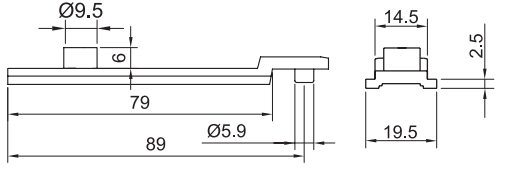

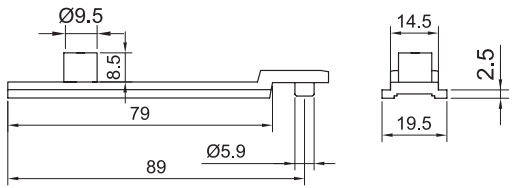
Transmission Rod Series

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<p>Patented product</p>	<table border="1"> <thead> <tr><th>LZDG01</th></tr> </thead> <tbody> <tr><td>L(mm)</td></tr> <tr><td>400</td></tr> <tr><td>500</td></tr> <tr><td>600</td></tr> <tr><td>700</td></tr> <tr><td>800</td></tr> <tr><td>900</td></tr> <tr><td>1000</td></tr> <tr><td>1100</td></tr> <tr><td>1200</td></tr> </tbody> </table>	LZDG01	L(mm)	400	500	600	700	800	900	1000	1100	1200
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<p>Patented product</p>	<table border="1"> <thead> <tr><th>LZDG03</th></tr> </thead> <tbody> <tr><td>L(mm)</td></tr> <tr><td>400</td></tr> <tr><td>500</td></tr> <tr><td>600</td></tr> <tr><td>700</td></tr> <tr><td>800</td></tr> <tr><td>900</td></tr> <tr><td>1000</td></tr> <tr><td>1100</td></tr> <tr><td>1200</td></tr> </tbody> </table>	LZDG03	L(mm)	400	500	600	700	800	900	1000	1100	1200
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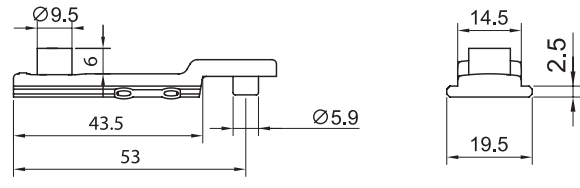

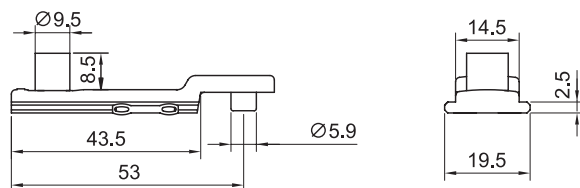

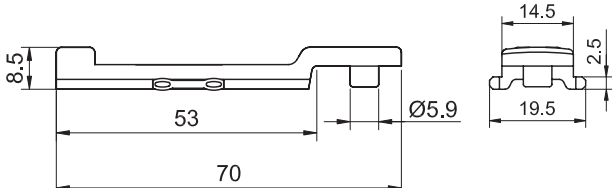

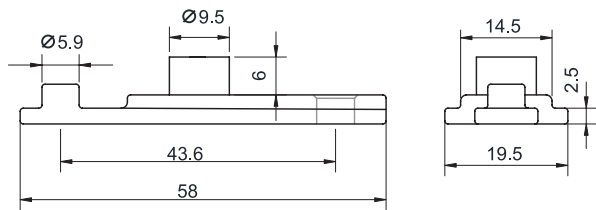

Transmission Rod Series

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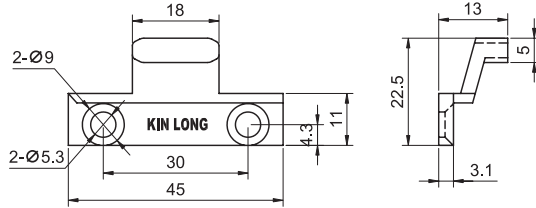

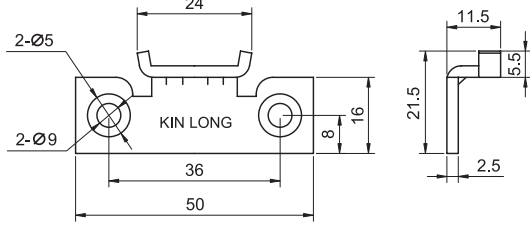

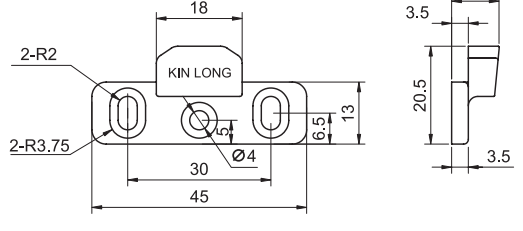

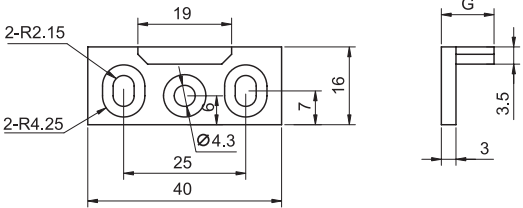
Transmission Rod Series

	<p>N36A</p> 
	<p>N41A</p> 
	<p>N37A</p> 
	<p>N38A</p> 

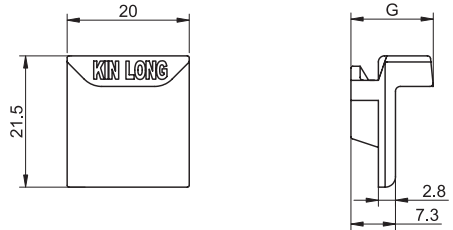
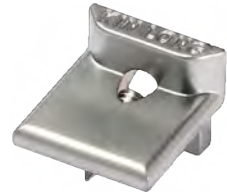
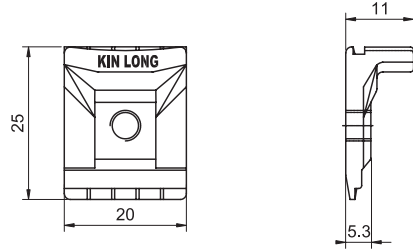

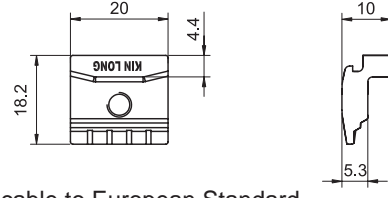

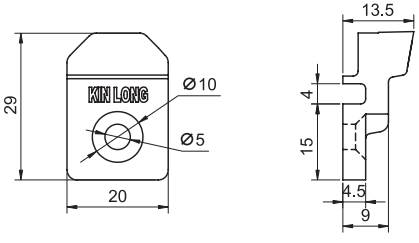



Transmission Rod Series

	<p>N39</p> 
	<p>N40</p> 
	<p>N10</p> 
	<p>LCDG41</p> 


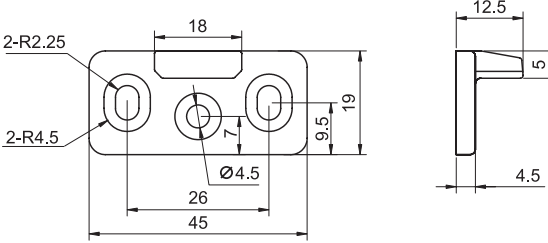

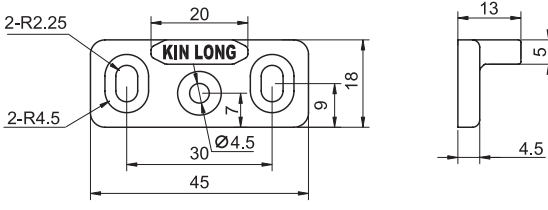

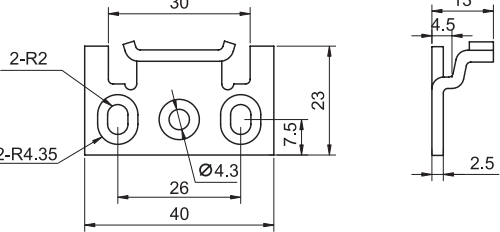

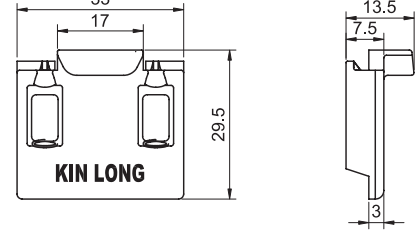

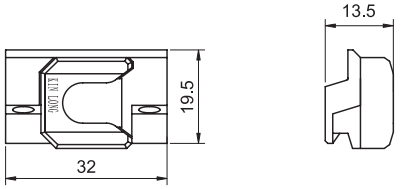
Locking Point and Locking Plate Series

	<p>HY-07A</p> 
	<p>B04A</p> 
	<p>B06</p> 
	<p>B08A B08AG9 B08AG10</p>  <ul style="list-style-type: none"> ◆ When G=9, the locking plate is B08AG9 ◆ When G=10, the locking plate is B08AG10 ◆ When G=11, the locking plate is B08A

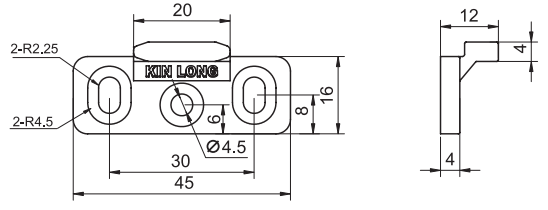

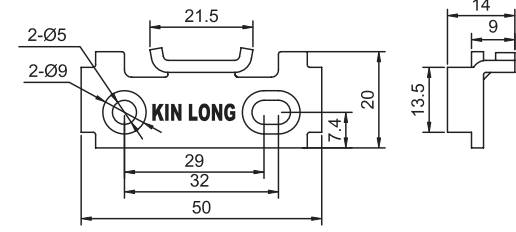

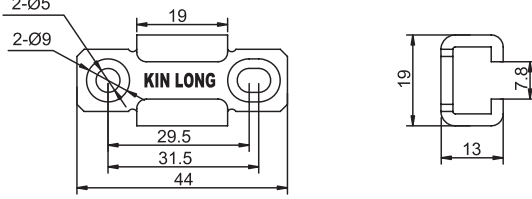

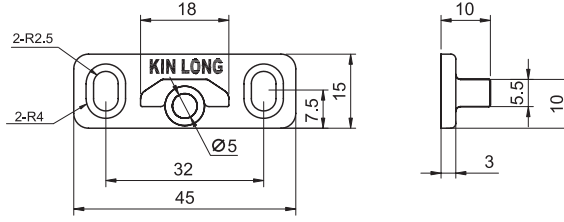

Locking Point and Locking Plate Series

 <ul style="list-style-type: none"> ◆ When G=13.5, the locking plate is ZA1-6A ◆ When G=16.5, the locking plate is ZA1-6A16.5 	<p>ZA1-6A ZA1-6AG16.5</p> 
 <ul style="list-style-type: none"> ◆ Applicable to wide groove(27-23) profile 	<p>SK27</p> 
 <ul style="list-style-type: none"> ◆ Applicable to European Standard 20 C groove(18-14) profile 	<p>SK28</p> 
	<p>SK31</p> 
	<p>SK36</p> 


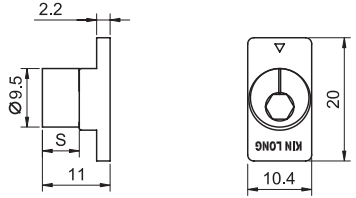

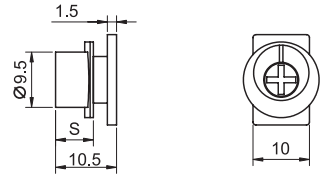

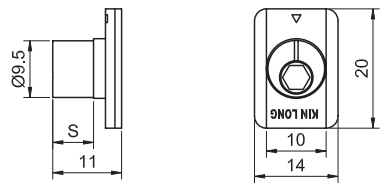
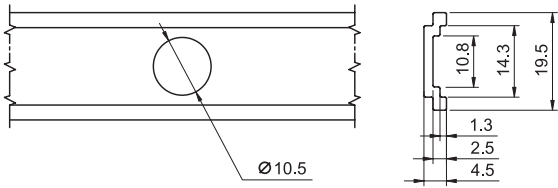
Locking Point and Locking Plate Series

	<p>SK32B</p> 
	<p>SK37</p> 
	<p>SK33</p> 
	<p>SK35</p>  <p>◆ Applicable to wide groove(27-23)profile.</p>
	<p>SK38</p>  <p>◆ Left and right, this picture is left, suitable for anti-theft windows</p>

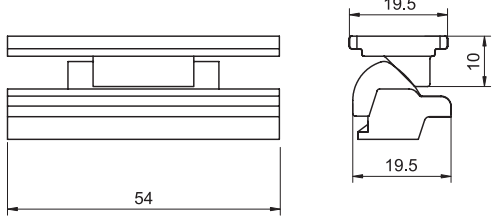

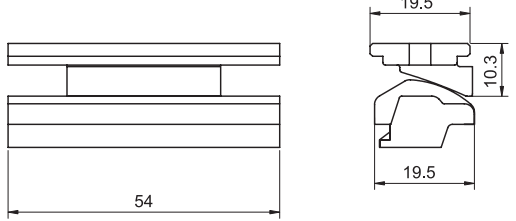
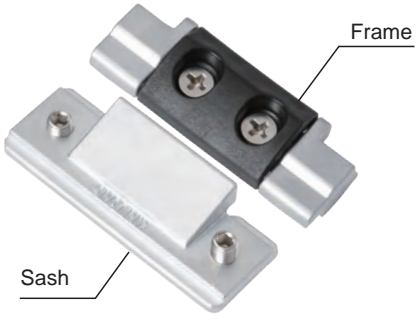
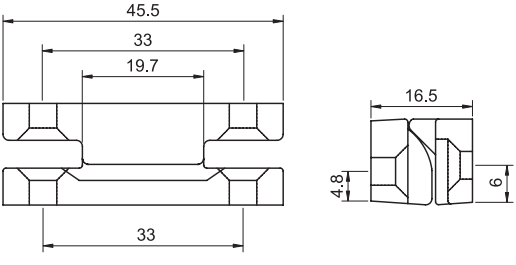
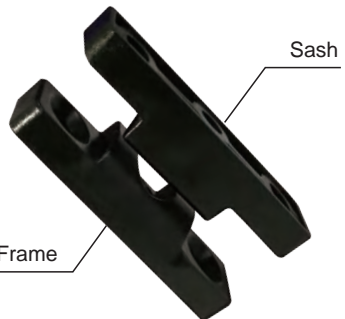
Locking Point and Locking Plate Series

	<p>LSK42</p> 
	<p>LSK43</p> 
	<p>LSK44</p> 
	<p>LSK45</p> 

Active Lock Point Series

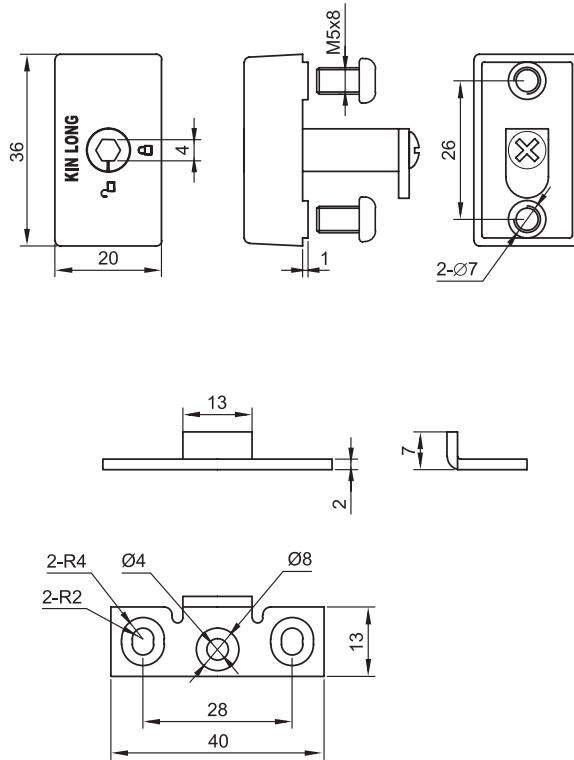
	<p>HDS4/HDS5</p>  <ul style="list-style-type: none"> ◆ It's HDS4 when S=6 ◆ It's HDS5 when S=8.5
	<p>HDS6/HDS7</p>  <ul style="list-style-type: none"> ◆ It's HDS6 when S=6.5 ◆ It's HDS7 when S=8.5
	<p>HDS8/HDS9</p>  <ul style="list-style-type: none"> ◆ It's HDS8 when S=6 ◆ It's HDS9 when S=8.5  <ul style="list-style-type: none"> ◆ Matched alu. rod and hole-drilling

Middle Lock Plate Series

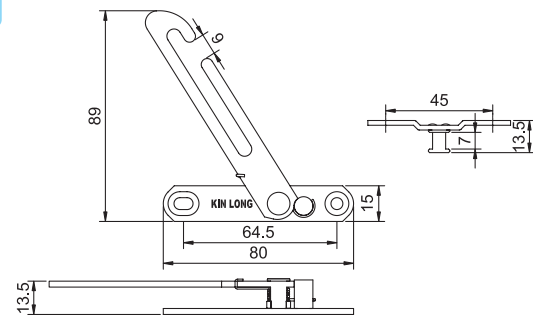
	<p>SK70</p> 
	<p>LSK72</p>  <ul style="list-style-type: none"> ◆ Applicable to concealed hinge YHE11、LYHE15A、LYHEA31/LYHEB31A
	<p>LSK76</p> 

Safety Lock Latch Series

AQS10/SK29

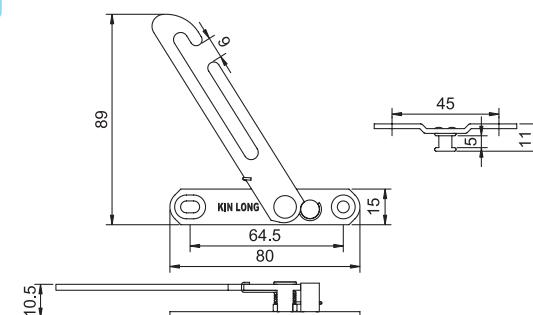


AQQ01



◆ Left and right, suitable for open-out side hung window, right type window is used for right type, this picture is right type.

AQQ02



◆ Left and right, suitable for open-out side hung window, right type window is used for right type, this picture is right type.

Limiter Series

Side hung window limiter series: PX10

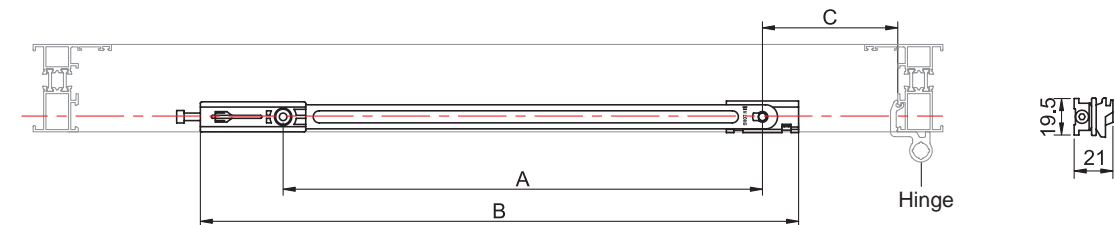
Patented product



- ◆ Applicable to standard C groove profile.
- ◆ Limit window opening angle.
- ◆ Locking plate and linking bar can be separated for window cleaning and maintenance.
- ◆ With the improvement of technology, some parameters of products will change.

Installation requirements:

- ◆ It is recommended to select the corresponding size limiter according to the width of the window sash, and refer to the C value in the figure below for the fixed position of the components on the frame.



Installation dimension (mm)					
Code	A	B	C	Applied window width	Open angle
PX10-8 (PX10-203)	183	262	55	350	0~90°
PX10-10 (PX10-254)	234	313	55	400	0~90°
PX10-12 (PX10-305)	285	364	105	500	0~90°
PX10-14 (PX10-355)	335	414	125	600	0~90°
PX10-16 (PX10-406)	386	465	140	700	0~90°

Limiter Series

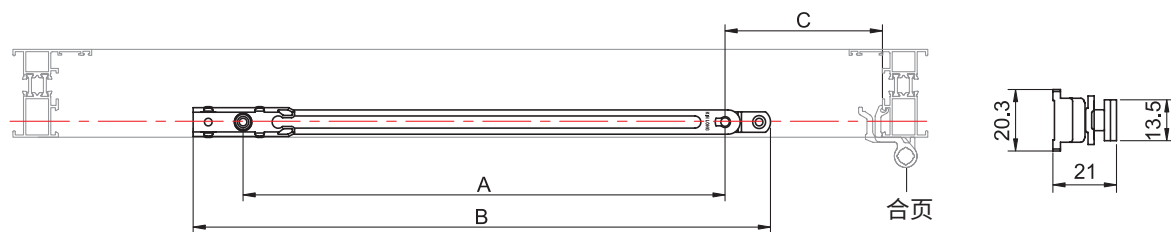
Side hung window limiter series: LPX14



- ◆ Applicable to standard C groove profile.
- ◆ Limit window opening angle.
- ◆ 90° flexible positioning, free positioning.
- ◆ With the improvement of technology, some parameters of products will change.

Installation requirements:

- ◆ It is recommended to select the corresponding size limiter according to the width of the window sash, and refer to the C value in the figure below for the fixed position of the components on the frame.



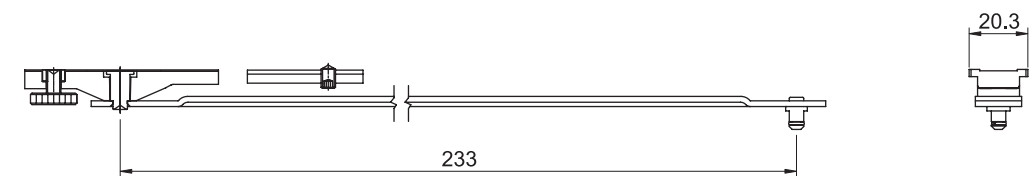
Installation dimension (mm)					
Code	A	B	C	Applied window width	Open Angle
LPX14-8 (LPX14-203)	183	246	55	300-350	0~90°
LPX14-10 (LPX14-254)	234	297	55	350-450	0~90°
LPX14-12 (LPX14-305)	285	348	105	450-550	0~90°
LPX14-14 (LPX14-355)	335	398	125	550-650	0~90°
LPX14-16 (LPX14-406)	386	449	140	> 650	0~90°

Limiter Series

Side hung window limiter series: LPX30



- ◆ Applicable to standard C groove profile.
- ◆ Limit window opening angle.
- ◆ 90° flexible positioning, free positioning.
- ◆ With the improvement of technology, some parameters of products will change.



The limiter cooperates with the concealed hinged sash to open the maximum angle and the minimum applicable window width (reference data)

Hinge code	LYHE11	LYHE12	LYHE15A	LYHEB31A	LYHDX30	LYHDX40A
Opening max angle/°	90	90	90	86.5	90	90
Minimum window width/m	415	415	405	436	440	410

Note: The above is based on the standard profile theoretical simulation of the limit data, the actual scene is still subject to the actual trial effect!

New Products Series

Open-out & top hung window concealed hinge: LYWSA20&LYWSB20

01 Features introduction:

- ◆ Applied to the standard 20C profile of the open-out & top hung window;
- ◆ The hinge is divided into left and right, and the upper and lower hinges are used as one set;
- ◆ The upper hinge can be adjusted left and right $\pm 1.5\text{mm}$, the front and rear $\pm 0.6\text{mm}$, and the lower hinge can be adjusted left and right $\pm 2\text{mm}$.
- ◆ The upper part of the frame is fixed by the inner hexagonal rotary vane type clamping block, and the rotary vane is provided with a rubber ring for accurate positioning, not easy to lose, and easy to install;
- ◆ After the groove on the upper part of the fan is in place, the self-tapping screw is fixed, and there are ribs at the groove, so that it is firm and does not shake after installation;
- ◆ There is an auxiliary support device on the corner of the upper hinge to prevent the corner sagging;
- ◆ The hinge is provided with a positioning structure, which can be positioned when the window sash is suspended to the maximum.

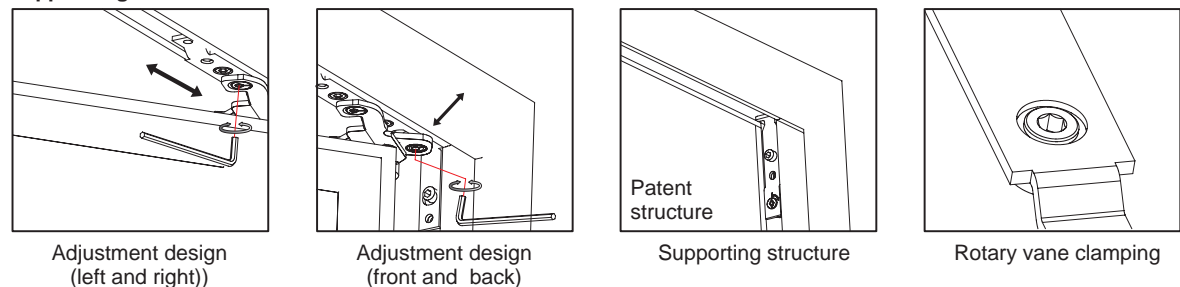


02 Technical parameter:

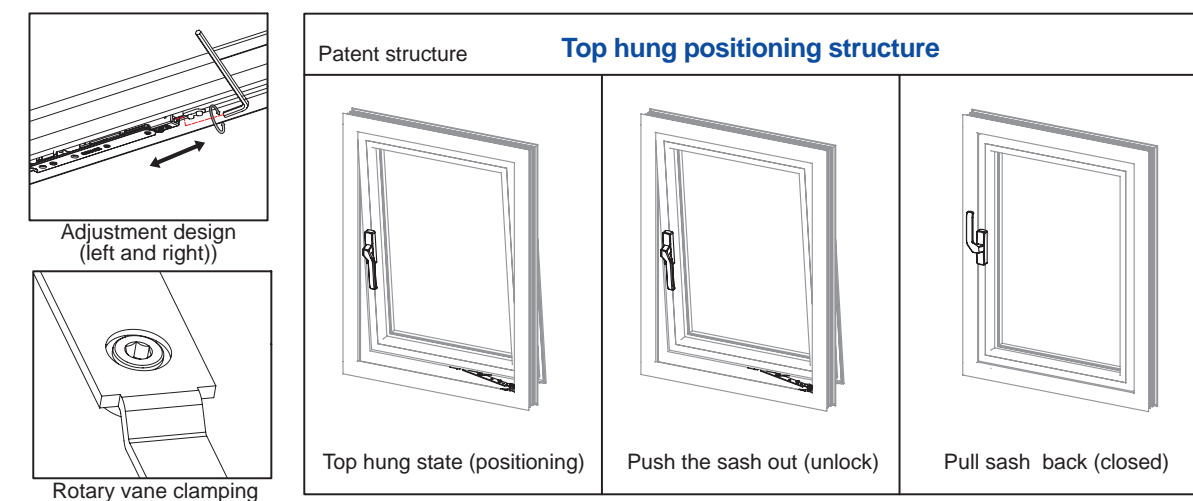
Maximum load bearing	Repeatedly opening and closing	Opening Angle
50kg	25,000 times	90°

03 Technical essential:

[Upper hinge LYWSA20]



[Bottom hinge LYWSA20]

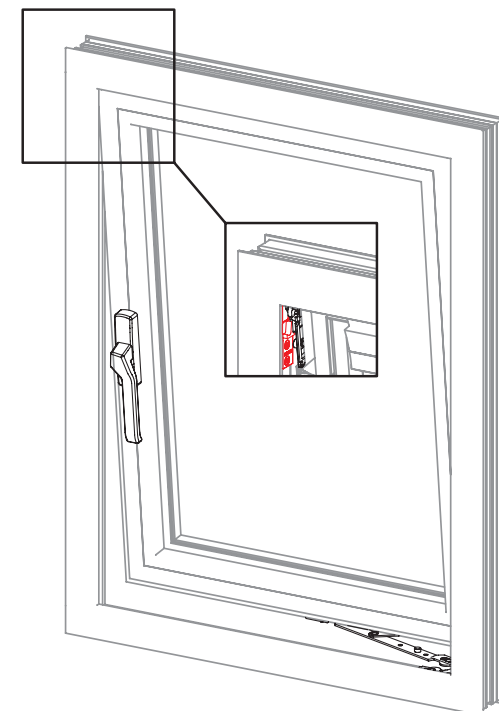


New Products Series

Anti-fall lifting device: LTSQ10



- ◆ Applied to the standard 20C profile of the open-out & top hung window;
- ◆ Rotating support design to solve the window sash sagging on the handle side
- ◆ It can be adjusted up and down $\pm 0.6\text{mm}$ to make up for window profile cutting errors;



Concealed hinge of open-in turn & tilt windows: LYHPS50&LYHDX50

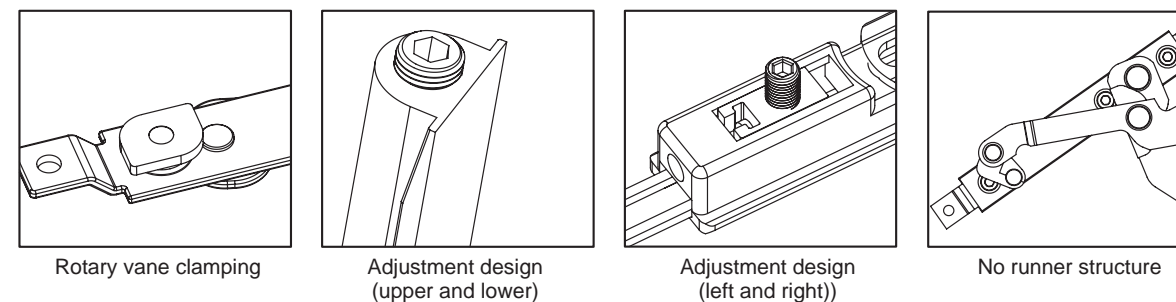
01 Features introduction:

- ◆ Applied to the standard 20C profile of the open-out & top hung window;
- ◆ The hinge is divided into left and right, and the upper and lower hinges are used as one set;
- ◆ The upper hinge can be adjusted left and right $\pm 1.5\text{mm}$, and the lower hinge can be adjusted left and right $\pm 2\text{mm}$.
- ◆ The upper part of the frame is fixed by the inner hexagonal rotary vane type clamping block, and the rotary vane is provided with a rubber ring for accurate positioning, not easy to lose, and easy to install;



02 Technical parameter:

Maximum load bearing	Repeatedly opening and closing	Opening Angle
70kg	15,000 Cycles (60,000 times)	180°



Concealed Window Hinge Selection Specification

Concealed window hinge selection specification

In order to improve the performance and effect of customers' use of Kinlong concealed hinges, and to avoid abnormal situations due to unreasonable hinge selection during use, the optional concealed hinges should meet the requirements:

01 Hinge load-bearing requirements

- ◆ The window weight should meet the requirements of the hinge load-bearing instructions in this catalogue.
- ◆ Should meet the hinge torque requirements.
- ◆ When the window weight $\leq 130\text{Kg}$, the aspect ratio should ≤ 1.08 .

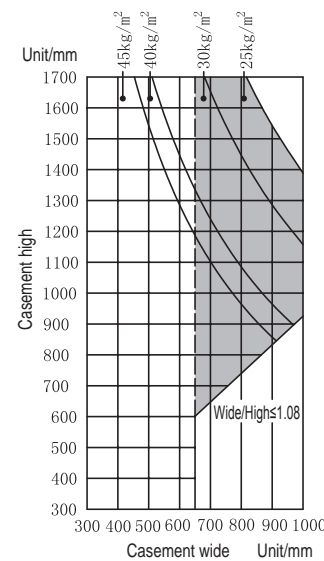


Figure 1: 50Kg class hinge load bearing curve

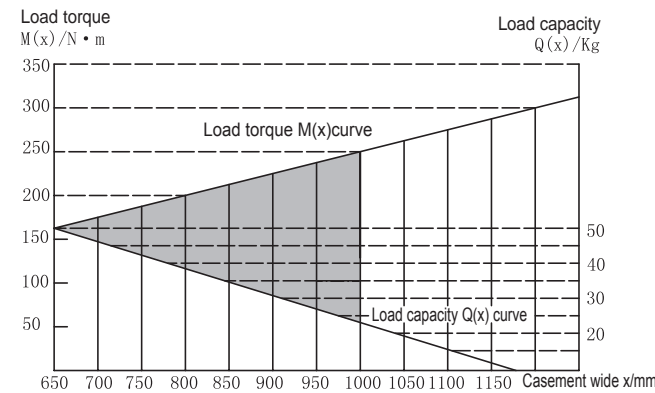


Figure 2: 50Kg class hinge moment curve

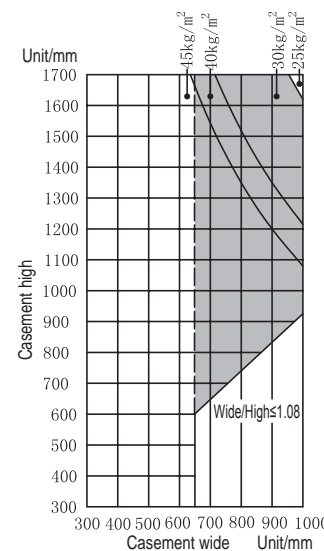


Figure 3: 70Kg Class hinge load bearing curve

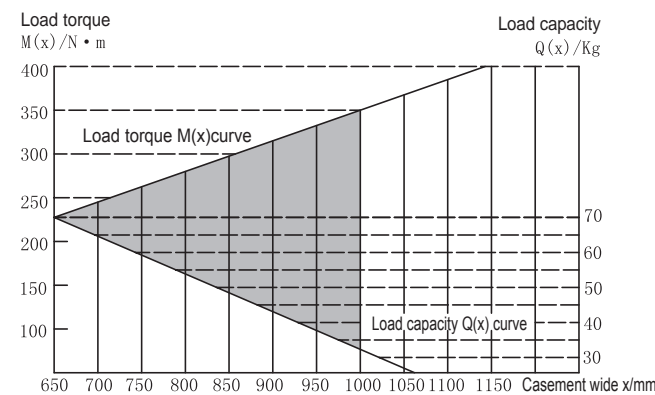


Figure 4: 70Kg Class hinge moment curve

Concealed Window Hinge Selection Specification

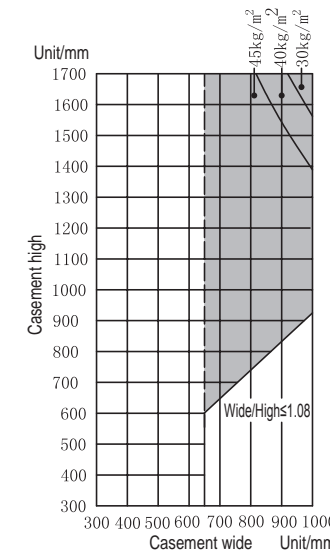


Figure 5: 90Kg class hinge load bearing curve

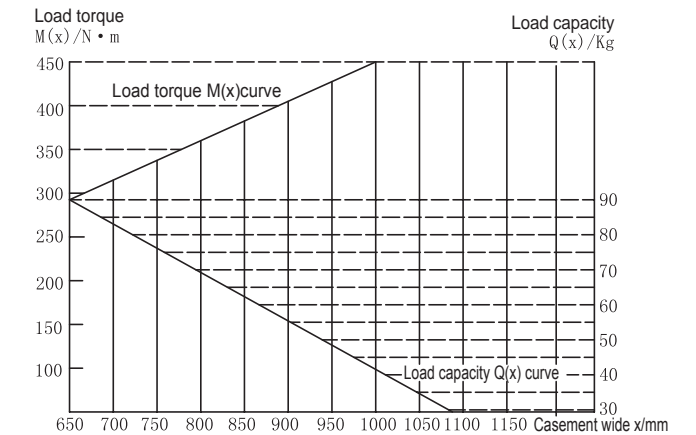


Figure 6: 90Kg class hinge moment curve

Illustrate:

- ◆ The curve on the hinge bearing curve graph represents the weight of the glass per square meter. when selecting the matching hinge, the width and height of the window sash should be selected according to the weight of the glass per square meter. on the left side of the oblique line, when the sash width is $\geq 650\text{mm}$, it is recommended that the sash width/height be ≤ 1.08 ;
- ◆ When the sash width is $\geq 650\text{mm}$, that 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. according to hinge moment curve, as the window width increases, the bearing capacity of the hinge gradually decreases;
- ◆ When the width of the sash is $\geq 650\text{mm}$, the instructions for checking the hinge torque are as follows:
When verifying the 50kg hinge moment, when the width of the sash is in the shaded part of Figure 2, you can choose the 70kg hinge or reduce the weight of the sash according to the bearing capacity curve.
When verifying the 70kg hinge moment, when the sash width is in the shaded part of Figure 4, the 90kg hinge can be selected or the weight of the sash can be reduced according to the bearing capacity curve.
when checking the hinge moment of 90kg, the weight of the sash can be appropriately reduced according to the bearing capacity curve in Figure 6.
- ◆ Calculation of total weight of door and window sash: total weight of door and window sash $Q \approx$ sash width $B \times$ sash height $H \times$ glass thickness \times glass proportion $\gamma \times$ profile proportional coefficient;
- ◆ Calculation of hinge bearing moment: hinge bearing moment $M(x) = (\text{window weight } G \cdot \text{fan width } x)/2$ should be selected within the allowable range;

02 Factors affecting the hinge opening angle

- ◆ Whether the doors and windows are installed with or without sub-frame, narrow frame, flush frame and fan, and thickness of plastered decorative surface in the project will affect the opening angle of the hinge.
- ◆ When selecting the matching hinge, the trajectory diagram of the hinge should be simulated according to the actual profile structure, the installation and construction of doors and windows, etc., and please consult the technical department for details.
- ◆ It is recommended to carry out trial installation and verification before batch installation.

03 Hinge installation and maintenance

- ◆ During the actual installation and use of concealed hinges, care should also be taken to avoid the impact caused by cross-construction.
- ◆ Please follow the installation and maintenance manual of concealed hinges products for installation and maintenance of specific hinges.

Hardware System of Tilt and Turn Window-NPD100 & NPD200 Series

Get the german ift test certificate

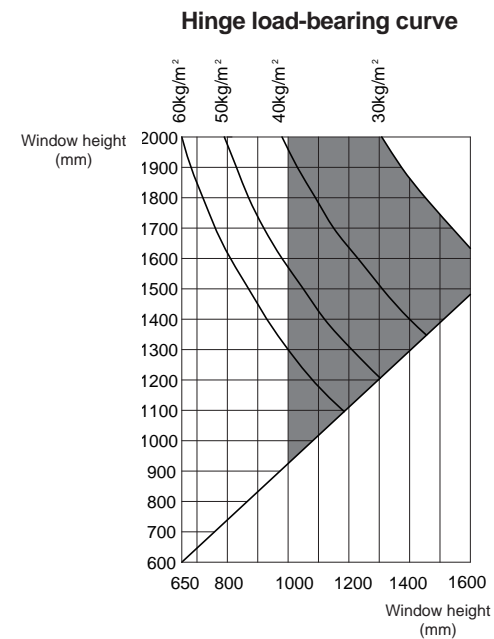
Won the german ift test certification Ift, the rosenheim door and Window technology institute in germany is the world's leading research, testing and standard customized agency for the building and curtain wall industries. its product certification and quality supervision certificate are widely recognized in the market and it is a recognized product quality certificate.

The NPD200 series of tilt & turn window hardware system launched by Kinlong is based on years of continuous exploration and testing. It is based on technological innovation and improvement of production technology. it combines years of market experience and accumulated experience, and has passed the IFT test certification. It became the first domestically tilt & turn hardware system certified by IFT.

The hardware system combines two kinds of window opening functions: side hung and bottom hung to meet different ventilation and vision requirements. when you are at home, you can use the bottom hung function to make the outdoor air flow in moderation, flexible circulation, and free to breathe fresh air. you can also choose the lock handle or the child lock device, and usually limit the side hung function to prevent the elderly or children from accidentally opening and falling.



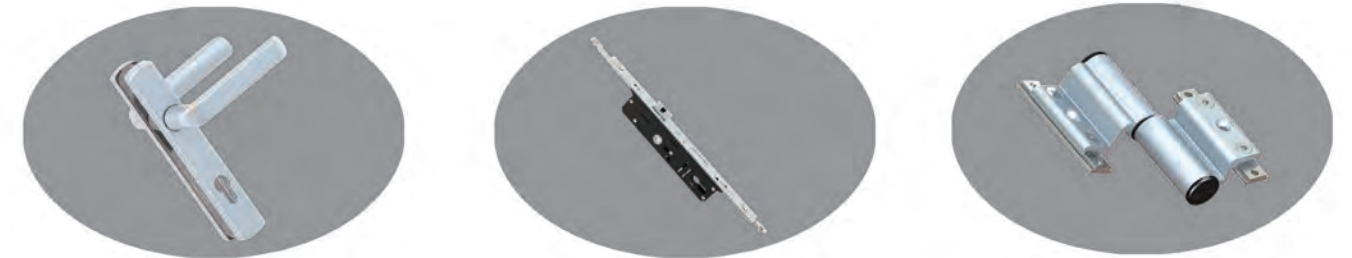
二、 Aluminium Sliding Window & Door Hardware Series



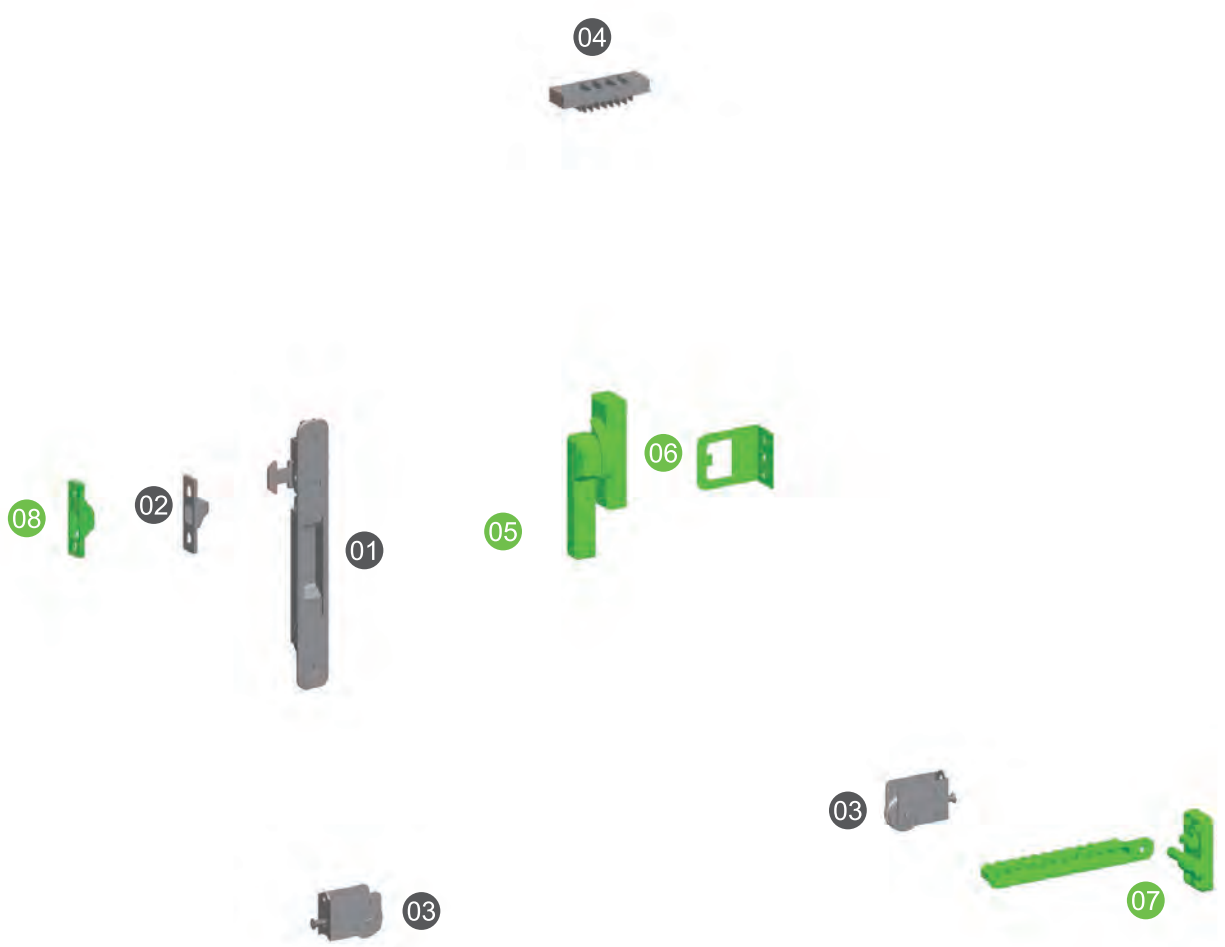
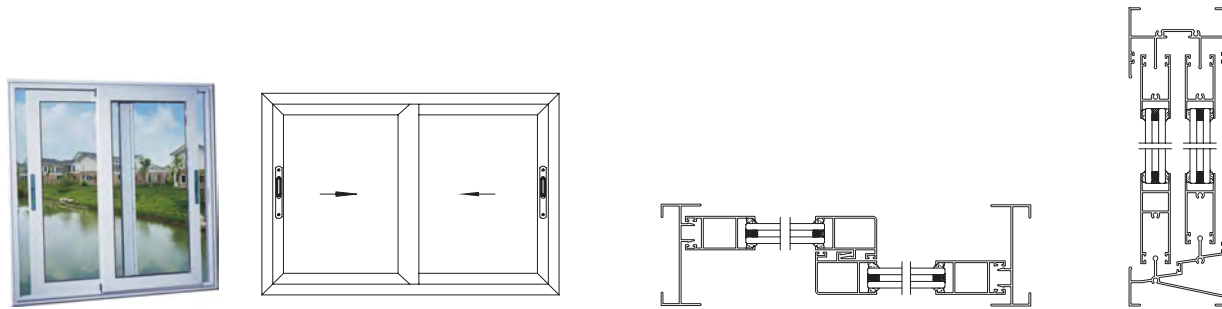
Note: A second rod is needed for the shaded area in the figure.



Excellent recommended products in the industry







9-1 TL Series of Sliding Window







Hardware Configuration for TL Series

Number	Product name	Code	Quantity	Remark
01	Sliding lock	TLS16/TLS16K	2	Optional
02	Locking plate	SDS-1A	2	Optional
03	Single roller	CL50G33K24	4	Roller Product, Optional
04	Anti-theft piece	T-FDK01	1	
05	Crescent lock	Y17/II	1	Optional
06	Lock hook	Y05-19A	1	Optional
07	Micro -ventilation device	TFQ30	1	①
08	Anti-strike locking plate	TFK01	2	Only for manual sliding lock
09	Mohair	PB/SP/FN/QF/GN/X	15-20(m)	Mohair product, Optional ②





Optional sliding locks for reference

Sliding lock TLS10/TLS10K	Sliding lock TLS22/TLS22K	Sliding lock SDS10/II, ZDS10/II	Sliding lock SDS18/ZDS18
 Refer page 263	 Refer page 260	 Refer page 271	 Refer page 271

Optional crescent locks for reference

Crescent lock Y06A/I, Y06A/II	Crescent lock Y08, Y08A	Crescent lock Y10/I, Y10/II	Crescent lock Y20/I, Y20/II
 Refer page 285	 Refer page 284	 Refer page 286	 Refer page 287

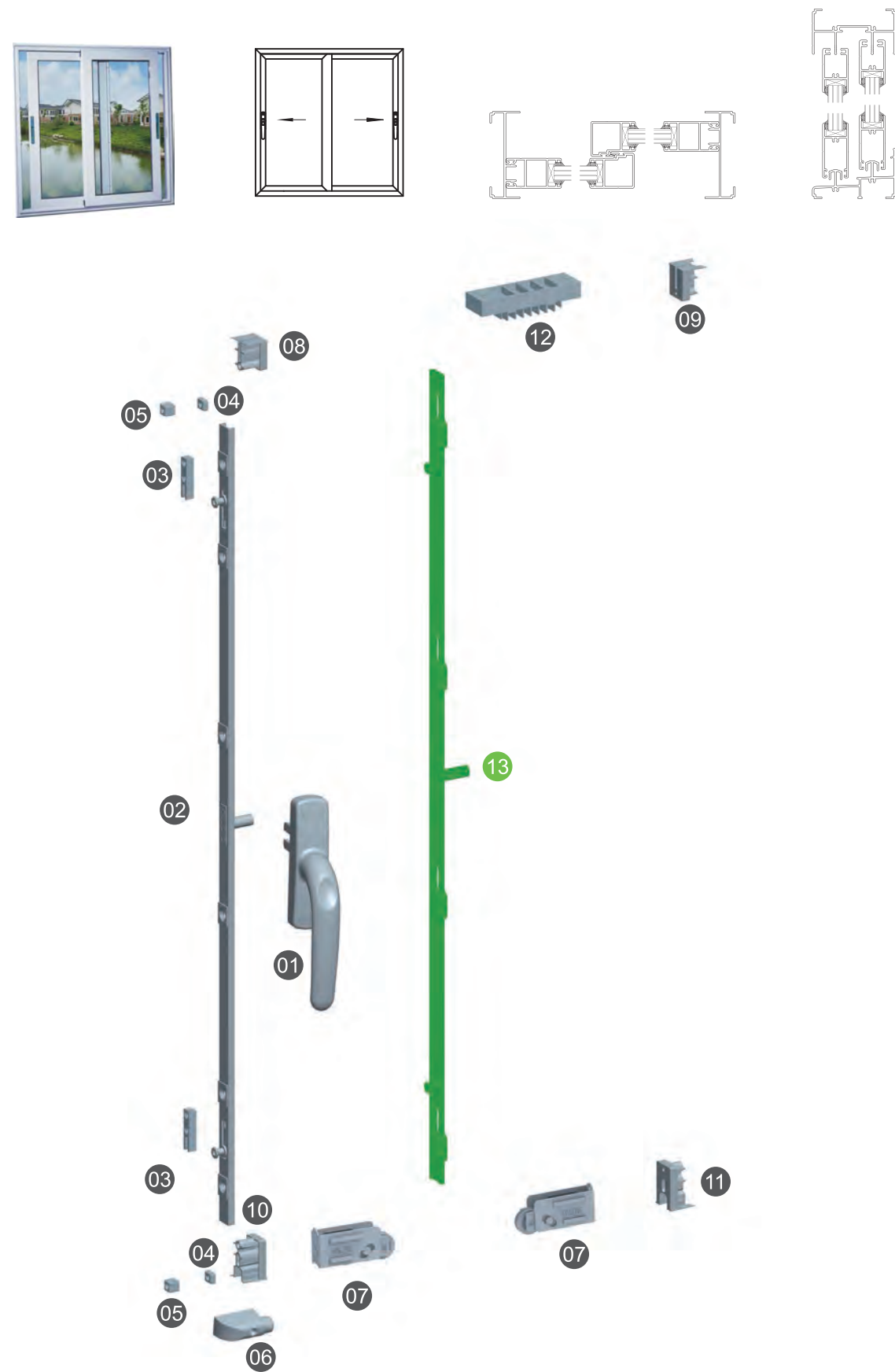
Optional rollers for reference

Roller CL11	Roller CLG20	Roller CCL60G33K25	Roller CCL24
 Maximum load 40KG	 Maximum load 40KG	 Maximum load 50KG	 Maximum load 70KG

Configuration introduction:

- ① Items in green are optional.
- ★ Selection of micro-ventilation device offers safe ventilation guarantee for rooms of the elder and children, schools, hospitals and other public places.
- ★ Suitable for sliding window series with ordinary aluminum profile.
- ★ Select hardware according to the profile, the configuration above only for reference.
- ★ The roller of the corresponding bearing level can be selected according to the specification of the sliding door.
- ② Five of the products are optional, refer to the product performance introduction.


9-2 TLM100 Series Sliding Door







Hardware Configuration for TLM100 Series

Number	Product name	Code	Quantity	Remark
01	Handle	TZS08	2	Optional
02	Transmission rod	TLG02A-L	2	Depend on door type
03	Locking plate	U03C	4	
04	Anti-strike block	FK-A	4	
05	Anti-strike block	FK-B	4	
06	Anti-strike block	T-FK-D	1	
07	Double roller	ML50G33K24	4	Roller product, optional
08	Left upper end	DG-03	2	
09	Right upper end	DG-04	2	
10	Left bottom end	DG-05	2	
11	Right bottom end	DG-06	2	
12	Anti-theft piece	T-FDK01	1	
13	Transmission rod	TLG01-L	2	Depend on door type ①
14	Anti-strike block	FK-C	4	Optional
15	Upper end	T-DG-13	4	Optional
16	Bottom end	T-DG-15	4	Optional
17	Mohair	PB/SP/FN/QF/GN/X	15-20(m)	Mohair product, optional ②

Optional rollers for reference

Handle TZS20	Handle TZS118	Handle TZS120	Handle TZS23A	Handle TZS100
				
Refer page 225	Refer page 224	Refer page 225	Refer page 226	Refer page 225

Optional rollers for reference

Roller ML50G33K24	Roller ML11A	Roller ML16A	Roller ML19
			
Maximum load 80KG	Maximum load 90KG	Maximum load 110KG	Maximum load 120KG

Configuration introduction:

- ① Items in green are optional.
- ★ Suitable for sliding window series with ordinary aluminum profile.
- ★ Select hardware according to the profile, the configuration above only for reference.
- ★ The multi-lock points design makes the locking situation of the sliding doors much better, and improves the anti-theft performance.
- ★ The roller of the corresponding bearing level can be selected according to the specification of the sliding door.
- ② Five of the products are optional, refer to the product performance introduction.

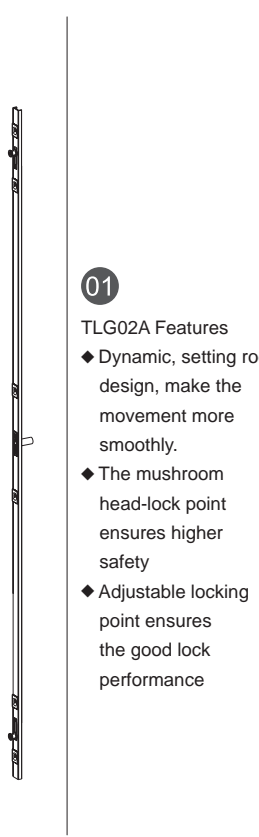
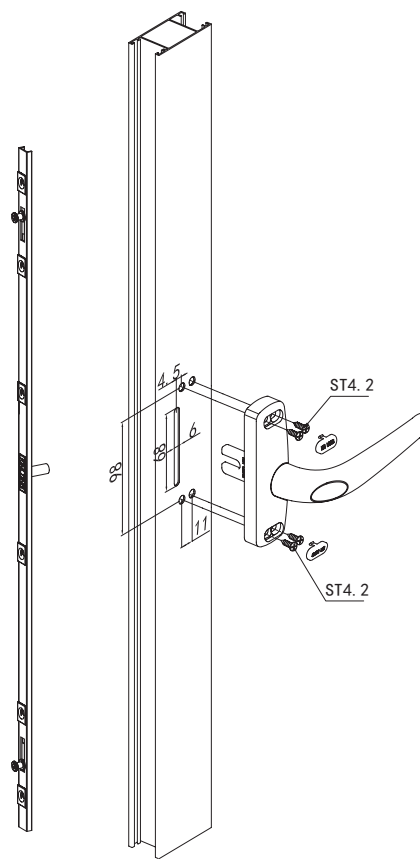
Characteristic Description for TLM100 Series Sliding Door Hardware

Feature of door type

- ◆ Single point control and convenient operation
- ◆ Multi-Point locking, excellent performance
- ◆ System run steadily, portion can be customized
- ◆ High bearing capacity, suitable for large size door

01
TLG02A Features

- ◆ Dynamic, setting rod design, make the movement more smoothly.
- ◆ The mushroom head-lock point ensures higher safety
- ◆ Adjustable locking point ensures the good lock performance

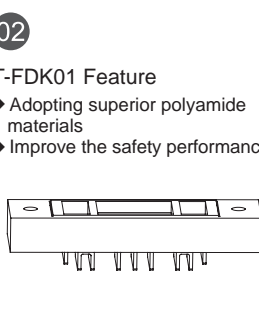
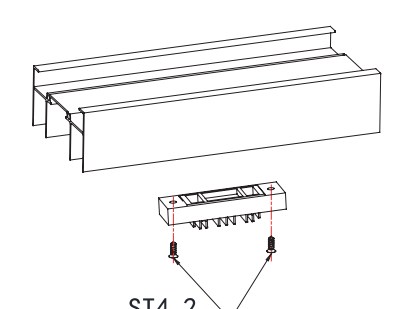



★ Advise experimental installation before batch opening



02
T-FDK01 Feature

- ◆ Adopting superior polyamide materials
- ◆ Improve the safety performance

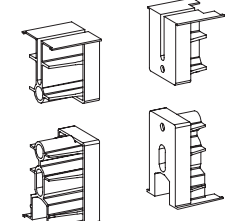
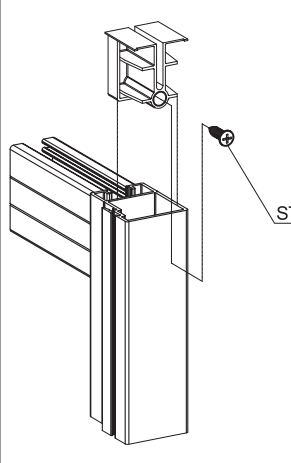



ST4.2

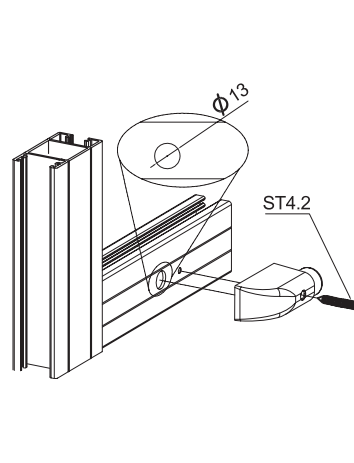


03
DG-03&DG-04&DG-05&DG-06 Features

- ◆ Adopting superior polyamide materials
- ◆ Improved the stability performance
- ◆ Convenient installation


ST4.2



Ø13
ST4.2

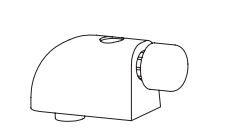
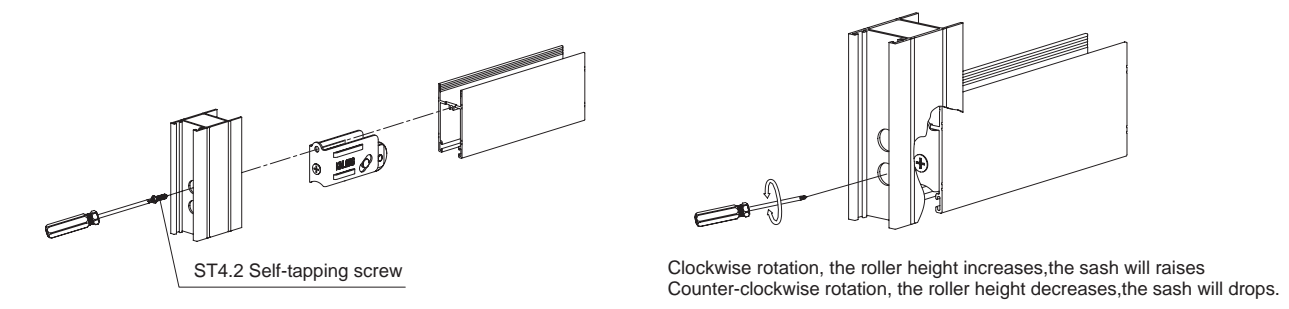
05
Roller feature

- ◆ Shell is made of high-quality carbon structural steel
- ◆ Roller is made of wear-resistant engineering plastics
- ◆ High bearing capacity, and flexible adjustment



04
T-FK-D Feature

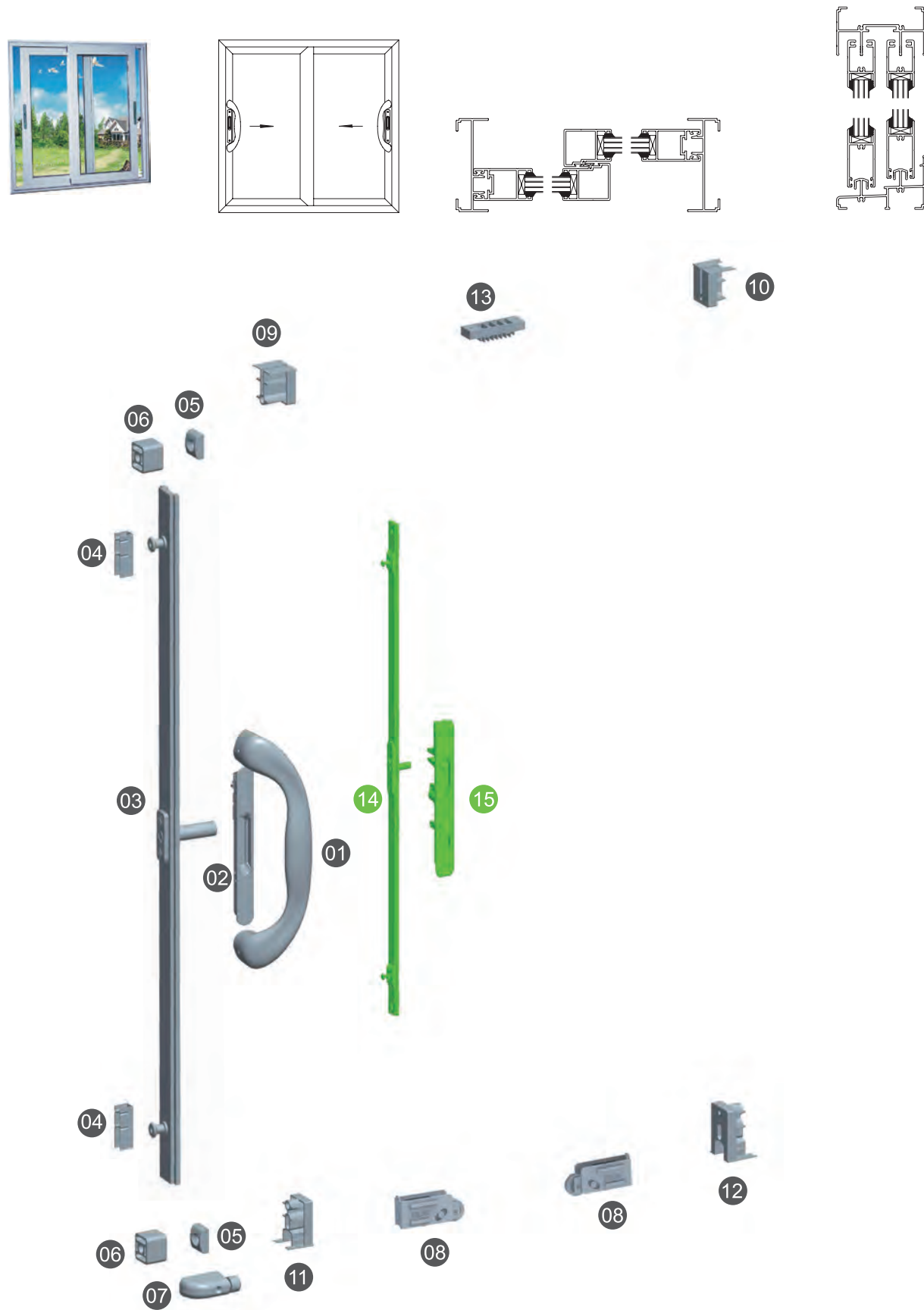
- ◆ High quality rubber, can well absorb the impact force of inertia, to effectively prevent hardware damage and prolong life
- ◆ Set positioning post for quick fixing

ST4.2 Self-tapping screw

Clockwise rotation, the roller height increases, the sash will raise
Counter-clockwise rotation, the roller height decreases, the sash will drop.

9-3 TLM110 Series Sliding Door



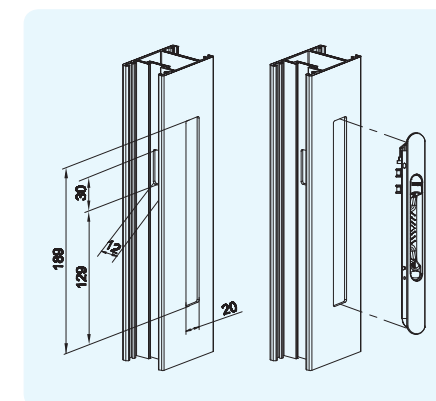
Hardware Configuration for TLM110 Series

Number	Product name	Code	Quantity	Remark
01	Handle	MLS02	2	Optional
02	Sliding lock	SDS11	2	Optional
03	Transmission rod	TLG11-L	2	Depend on door type
04	Locking plate	U07	4	
05	Anti-strike block	FK-A	4	
06	Anti-strike block	FK-B	4	
07	Anti-strike block	T-FK-D	1	
08	Double roller	ML50G33K24	4	Roller product, optional
09	Left upper end	DG-03	2	
10	Right upper end	DG-04	2	
11	Left upper end	DG-05	2	
12	Right upper end	DG-06	2	
13	Anti-theft piece	T-FDK01	1	
14	Transmission rod	TLG12	2	Optional ①
15	Sliding lock	TLS30	2	Optional ①
16	Anti-strike block	FK-C	4	Optional
17	Upper end	T-DG-13	4	Optional
18	Bottom end	T-DG-15	4	Optional
19	Mohair	PB/SP/FN/QF/GN/X	15-20(m)	Mohair product, optional ②

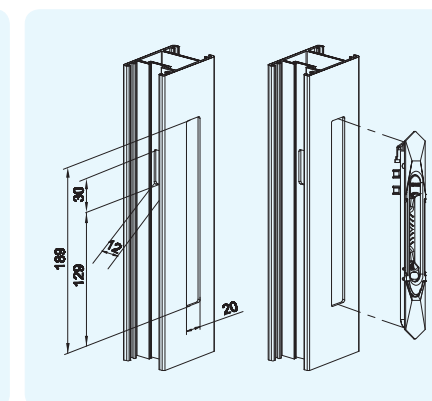
Configuration introduction:

- ① Hardware items in green are optional.
- ★ Suitable for sliding door series with ordinary aluminum profile.
- ★ Select hardware according to the profile, the configuration above only for reference.
- ★ Transmission rod mounted on the C groove profile can effectively solve the problem of aluminum rod deformation caused by misoperation, the multi-lock points design makes the lock situation of the sliding doors much better, improving the anti-theft performance.
- ★ The roller of the corresponding bearing level can be selected according to the specification of the sliding door.
- ② Five of the products are optional, refer to the product performance introduction.

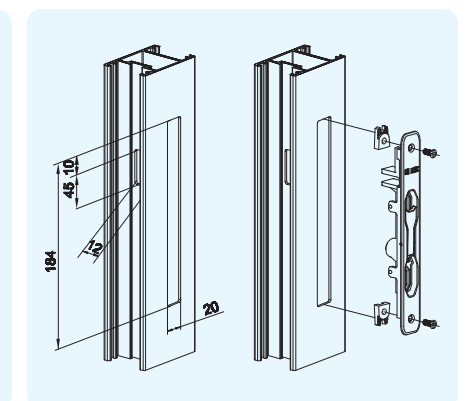
Cutouts illustration for SDS11



Cutouts illustration for SDS12



Cutouts illustration for TLS30



★ Advise sample installation before batch cutting out for installation

Characteristic Description for TLM110 Series Sliding Door Hardware

Feature of door type

- ◆ Single point control and convenient operation
- ◆ Multi-point lock, excellent performance
- ◆ System run steadily, portion can be customized for supporting
- ◆ High bearing capacity, suitable for large size door

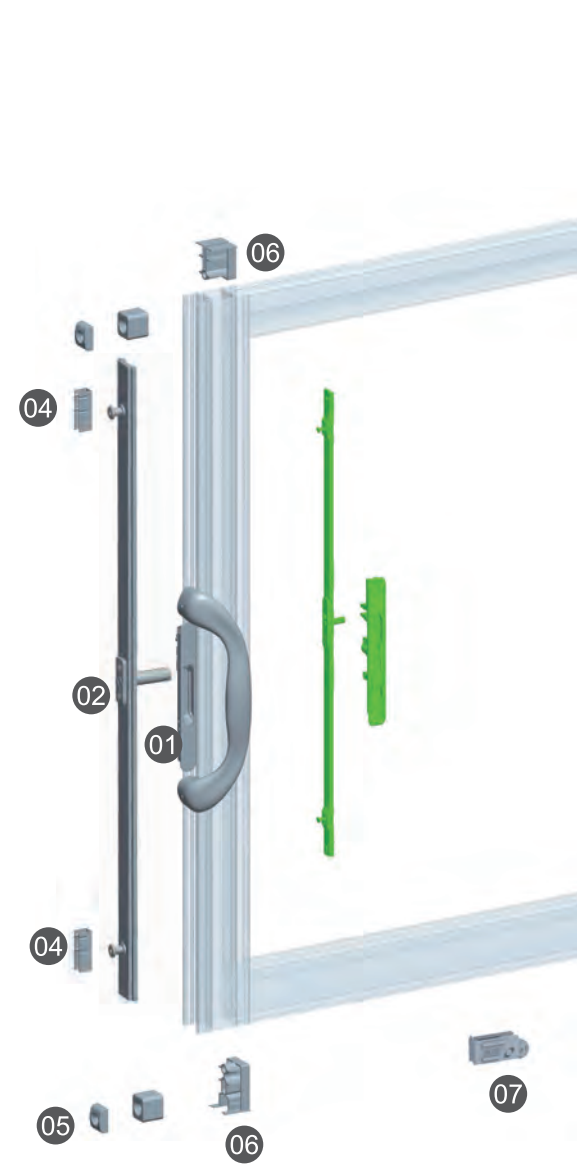
01
SDS11 Feature

- ◆ Telescoping positioning design makes it easy to install
- ◆ Adoption of ergonomically designed sliding chute makes it comfortable to open and close
- ◆ Have certain anti-theft function

02
TLG11 Feature

- ◆ Suitable for european standard 20C groove profile
- ◆ The mushroom-head lockpoint ensures high safety
- ◆ Adjustable lock point ensures the good locking performance

★ Advise sample installation before batch cutting out for installation



03
T-FDK01 Feature

- ◆ Adopting superior polyamide materials
- ◆ Improved the safety performance

ST4.2

05
T-FK-D Feature

- ◆ High quality rubber, can well absorb the impact force of inertia, to effectively prevent hardware damage and prolong life
- ◆ Set positioning post for quick fixing

04
U07 Feature

- ◆ Use self-tapping screws, easy installation
- ◆ Structural design is reasonable, lock intensity can be assured
- ◆ Made of stainless steel, can effectively improve the structural rigidity

ST4.2

ST4.2

06
DG-03&DG-04&DG-05&DG-06 Feature

- ◆ Adopting superior polyamide materials
- ◆ Improved the stability performance
- ◆ Convenient installation

07
Roller feature

- ◆ Shell is made of high-quality carbon structural steel
- ◆ Roller is made of wear-resistant engineering plastics
- ◆ High bearing capacity, and flexible adjustment

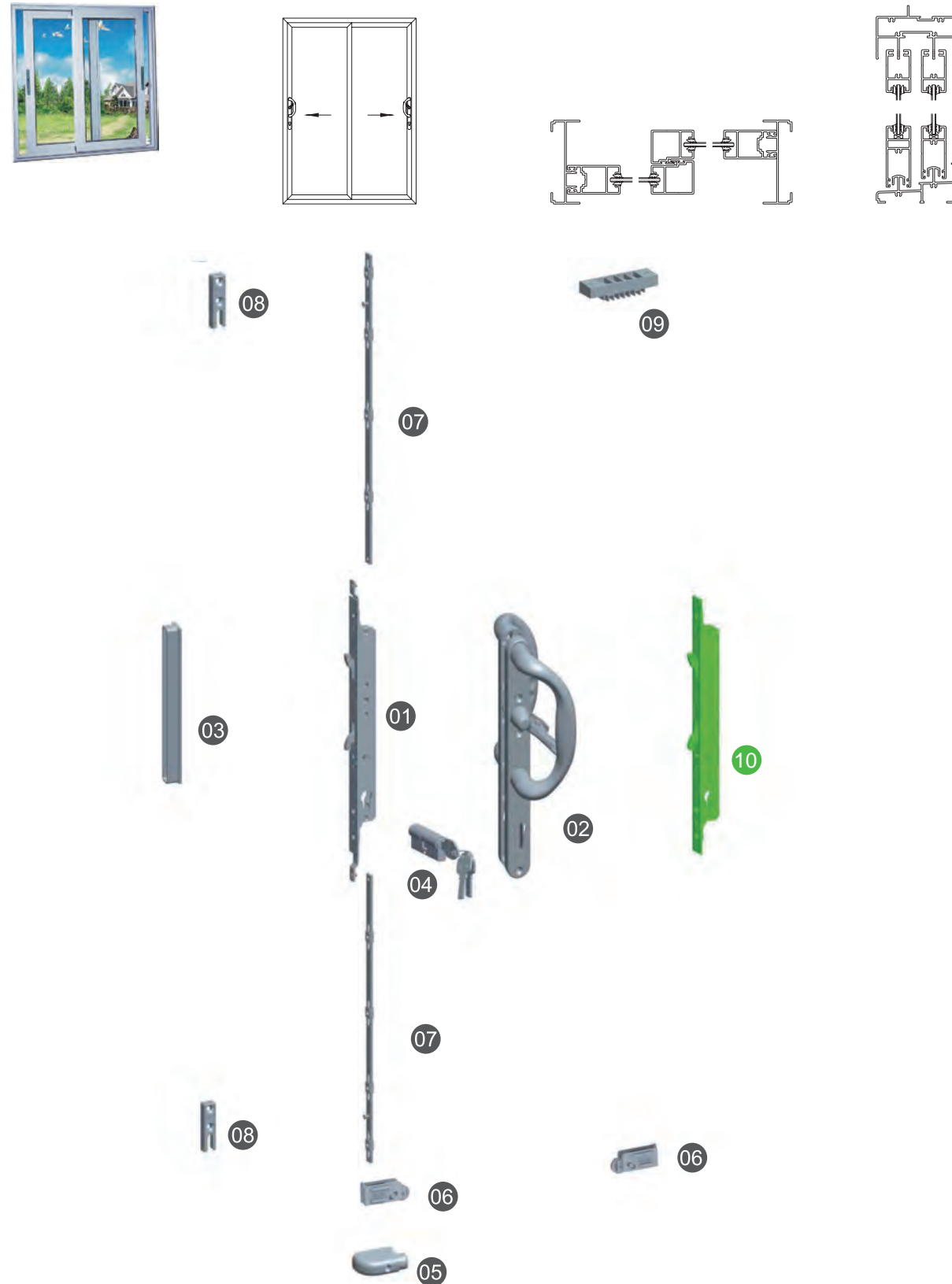
ST4.2

ST4.2 Self-tapping screw

Clockwise rotation , the roller height increases, the sash will raise
Counter-clockwise rotation , the roller height decreases , the sash will drop.

9-4 TLM120 Series Sliding Door

Hardware Configuration For TLM120 Series

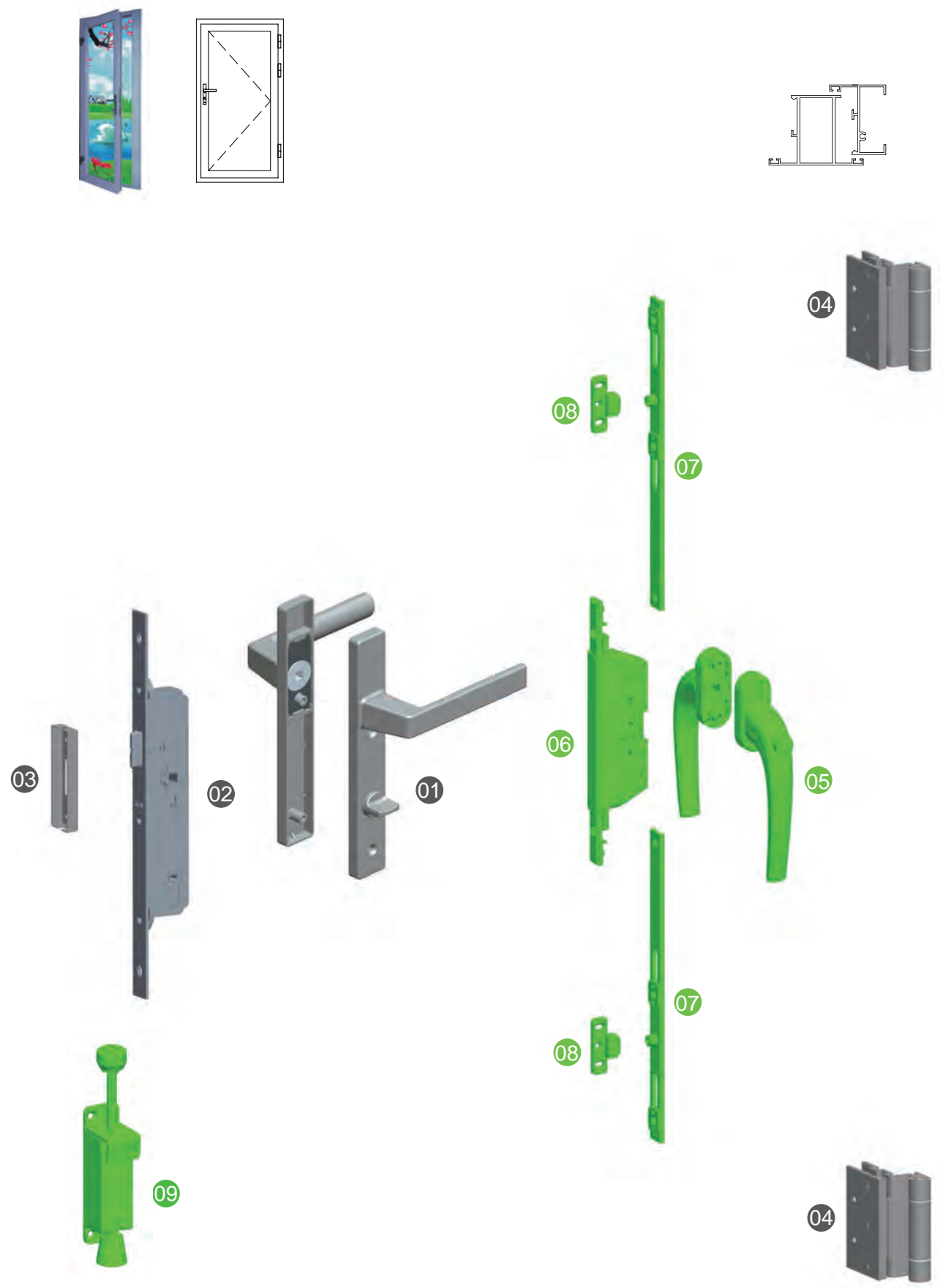


Number	Product name	Code	Quantity	Remark
01	Double-hook lock	T-SGS14/I	2	
02	Door handle	T-MLS03	2	Left&Right
03	Cover plate	T-KMB201	2	
04	Cylinder	TIL2828	2	Optional ①
05	Anti-strike block	T-FK-D	1	
06	Double-roller	ML50G33K24	4	Product of roller dep, optional ②
07	Transmission rod	TYG05-L	4	Optional according to the door size ③
08	Locking plate	U03C	4	Optional ③
09	Anti-theft piece	T-FDK01	1	
10	Double-hook lock	T-SGS14/II	2	Optional ③
11	Anti-strike block	FK-C	4	Optional
12	Upper end	T-DG-13	4	Optional
13	Bottom end	T-DG-15	4	Optional
14	Mohair	PB/SP/FN/QF/GN/X	15-20(m)	Mohair product, optional ④

Configuration introduction:

- ① Cylinder selection refers to cylinder TIL2828 series on page 202.
- ② The maximum load bearing capacity of the roller is 110KG/sash.
- ③ Items in green are optional and it is a configuration of single-point lock
- ★ Suitable for sliding door profiles of 2001 series.
- ★ The multi-point lock design makes the lock situation of the sliding doors much better, improving the anti-theft performance.
- ★ Spindle length=profile thickness+(17~22),screw length(M5)L=sash thickness+15mm.
- ④ Five products of the above are optional, referring to the product performance introduction.

10-1 PM100 Series Single-sash Door With Ordinarily Profile



Hardware Configuration for PM100 Series

Number	Product name	Code	Quantity	Remark
01	Handle	MZS120A/T	1	Optional ①
02	Door lock	JMS26A/II	1	Optional
03	Cover plate	KMB100B	1	
04	Hinge	WK-AC	3	Select according to profile ②
05	Handle	MZS06S	1	Cylinder end should be installed indoor
06	Transmitter	KMS20/I	1	Adjustable center distance
07	Transmission rod	LZDG05-L	2	Aluminium door & window hardware Select according to door dimension
08	Locking plate	B06	2	Aluminium door & window hardware
09	Position block	T-DM01	1	Optional

Optional handles for reference

Handle MZS108A/T	Handle MZS1208C/T	Handle MZS122A/T	Handle MZS1222C/T	Handle MZS1220C/T
Refer page 212	Refer page 212	Refer page 215	Refer page 215	Refer page 214

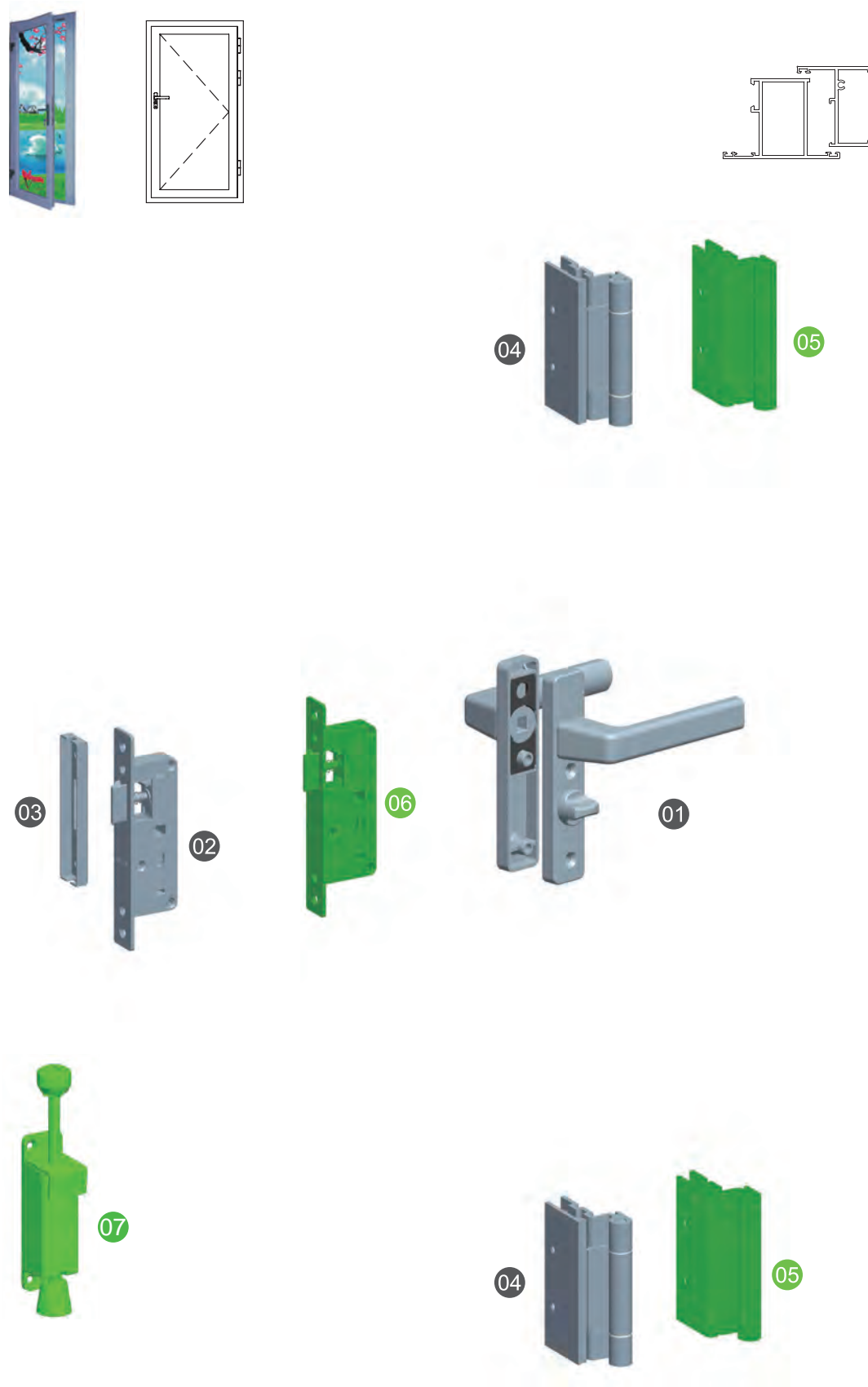
Optional hinges for reference

Pivot hinge WK-AB	Pivot hinge WK-AE	Pivot hinge WK-AG	Pivot hinge T-WK-AK	Pivot hinge T-WK-AM
Refer page 237	Refer page 237	Refer page 238	Refer page 238	Refer page 239

Configuration introduction:

- ① Customer can select other handles referring to page 212, spindle length=sash thickness+(33-40), screw length (M5) L=sash thickness+15 .
- ② The load capacity of the pivot hinge refers to pivot hinge series on page 232 .
- ★ Applicable to ordinary 50,55 side-hung door profile, items in green color are optional.
- ★ The installation method of the handle twister is detailed on page 173.

10-2 PM110 Series Single Sash Door With Ordinary Profile



Hardware Configuration for PM110 Series

Number	Product name	Code	Quantity	Remark
01	Handle	MZS420C	1	Optional ①
02	Door lock	LMS22	1	Optional
03	Cover plate	KMB100B	1	
04	Hinge	WK-AC	3	Select according to profile ②
05	Hinge	WK-AB	3	Optional ②
06	Door lock	LMS28	1	Optional
07	Position block	T-DM01	1	Optional

Optional handles for reference

Handle MZS408C	Handle MZS422C	Handle MZS508C	Handle MZS520C	Handle MZS522C
Refer page 220	Refer page 220	Refer page 220	Refer page 220	Refer page 220

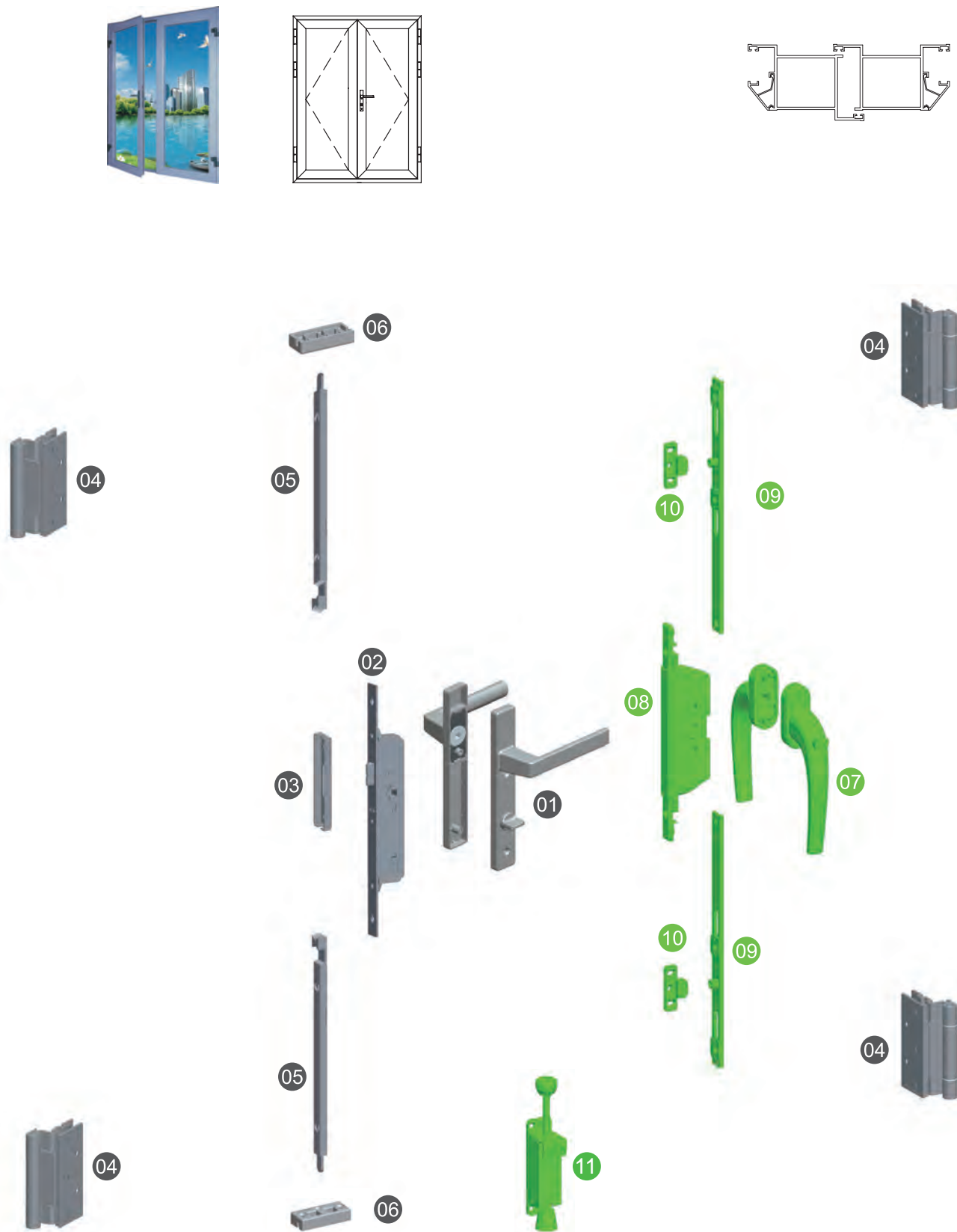
Optional handles for reference

Pivot Hinge WK-AB	Pivot Hinge WK-AE	Pivot Hinge WK-AG	Pivot Hinge T-WK-AK	Pivot Hinge T-WK-AM
Refer page 237	Refer page 237	Refer page 238	Refer page 238	Refer page 239

Configuration introduction

- ① Customer can select other handles referring to page 212, spindle length=sash thickness+(33-40), screw length (M5) L=sash thickness+15.
- ② The load capacity of the pivot hinge refers to pivot hinge series on page 232
- ★ Applicable to ordinary 50,55 side-hung door profile, items in green color are optional
- ★ The installation method of the torsion bar is detailed on page 173

10-3 PM200 Series Double-sash Door With Ordinary Profile



Hardware Configuration for PM200 Series

Number	Product name	Code	Quantity	Remark
01	Handle	MZS120A/T	1	Optional ①
02	Door lock	JMS26A/II	1	Optional
03	Cover plate	KMB100B	1	
04	Hinge	WK-AC	6	Select according to profile ②
05	Socket	SCX220A	2	
06	Lock plate	SK30A	2	
07	Handle	MZS06S	1	Cylinder end should be installed indoor
08	Transmitter	KMS20/I	1	Adjustable center distance
09	Transmission rod	LZDG05-L	2	Aluminium door & window hardware Select according to door dimension
10	Locking plate	B06	2	Aluminium door & window hardware
11	Positoner	T-DM01	1	Optional

Optional handles for reference

Handle MZS108A/T	Handle MZS1208C/T	Handle MZS122A/T	Handle MZS1222C/T	Handle MZS1220C/T
Refer page 212	Refer page 212	Refer page 215	Refer page 215	Refer page 214

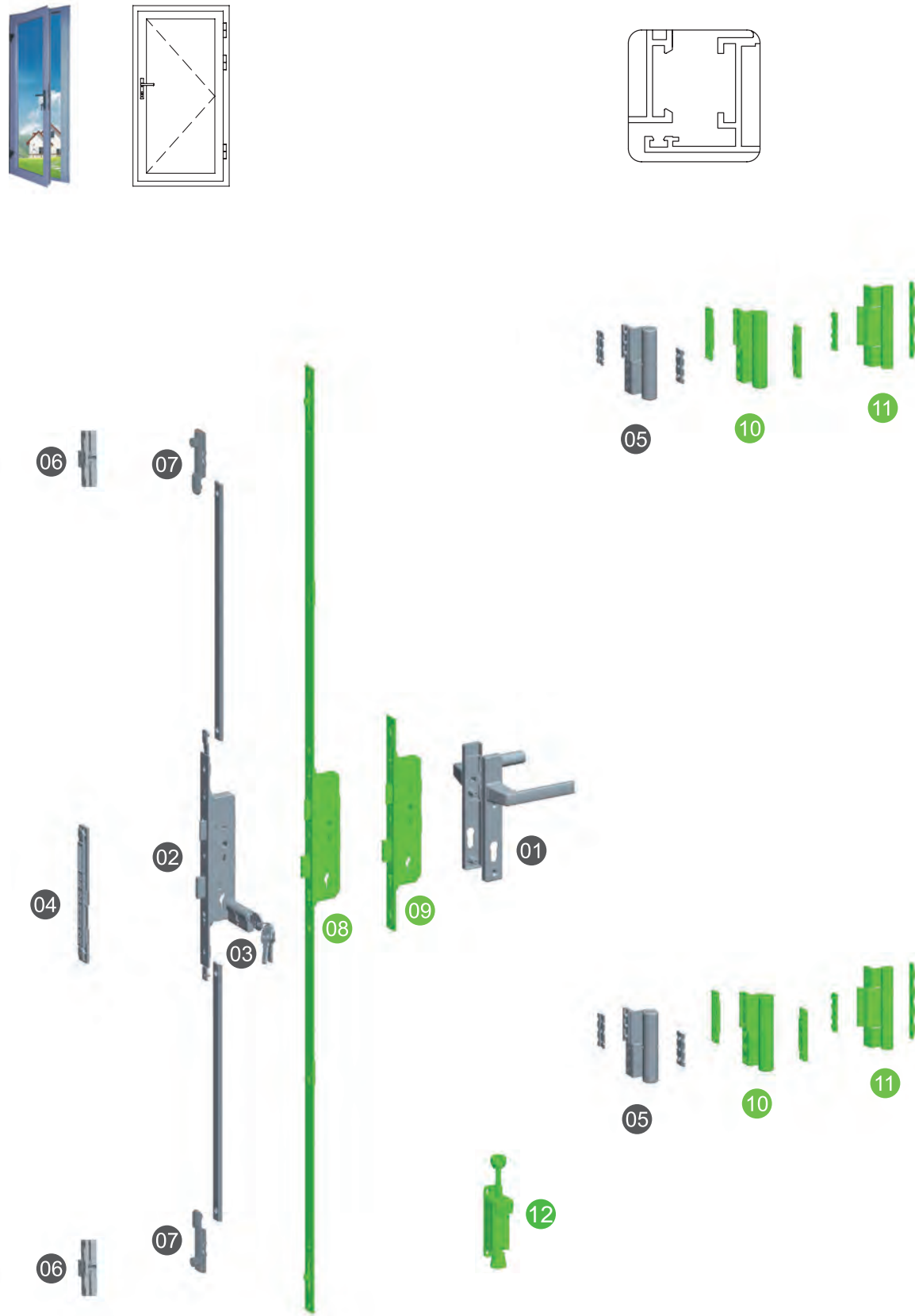
Optional hinges for reference

Pivot hinge WK-AB	Pivot hinge WK-AE	Pivot hinge WK-AG	Pivot hinge T-WK-AK	Pivot hinge T-WK-AM
Refer page 237	Refer page 237	Refer page 238	Refer page 238	Refer page 239

Configuration introduction:

- ① Customer can select other handles referring to page 212, spindle length=sash thickness+(33-40), screw length (M5) L=sash thickness+15.
- ② The load capacity of the pivot hinge refers to pivot hinge series on page 232.
- ★ Applicable to ordinary 50,55 side-hung door profile, items in green color are optional.
- ★ The installation method of the torsion bar is detailed on page 173.

10-4 PM300 Series Single-sash Door With C-Groove



Hardware Configuration for PM300 Series

Number	Product name	Code	Quantity	Remark
01	Handle	MZS20	1	Optional ①
02	Door lock	MSC28/I	1	Optional
03	Cylinder	KILAB	1	Optional ②
04	Cover plate	KMB210A	1	
05	Pivot hinge(left & right)	J5C	3	Depend on profile ③
06	Locking plate	SK23A	2	
07	Side transmission rod	TCG11	2	
08	Door lock	MSC28/III	1	Optional
09	Door lock	MSC28/II	1	Optional
10	Pivot hinge(left & right)	MJ16/I	3	Depend on profile
11	Pivot hinge	MJ17	3	Depend on profile
12	Positoner	T-DM01	1	Optional

Optional handles for reference

Handle MZS08	Handle MZS22	Handle MZS620	Handle T-MZS918	Handle T-MZS920
Refer page 212	Refer page 215	Refer page 222	Refer page 216	Refer page 217

Configuration introduction:

- ① Customers can select other handles referring to page 212. Spindle Length=Sash Thickness σ +(33-40), Screw length (M5) L= Sash thickness σ +15
- ② Cylinder refer to cylinder series on page of 203
- ③ The load bearing capacity of the pivot hinge refers to page 232
- ★ Items in green are optional

Characteristic Description for PM300 Series Single Sash Door With C-Groove

Feature of door type

- ◆ Multi-point lock, high safety performance
- ◆ Systemic design, good anti-theft performance
- ◆ Hinges of the modular design , easy for the accurate positioning of screw, achieve fast installation
- ◆ Configuration scheme can be chosen according to different requirements
- ◆ Realized bi-direction transmission and locking function, increased the tightness of single sash casement door
- ◆ Standardization concept, applicable to the standard european C-groove profiles in the market



01
MSC28/I Feature

- ◆ With wide application range
- ◆ The panels have a brush surface finish
- ◆ The cover adopt the electrophoresis carbonization technology processing to the shell, having a beautiful shape and increased performance of corrosion resistance
- ◆ Bidirectional reset, simple operation

02
KILAB Feature

- ◆ Good safety performance
- ◆ Wide range of application
- ◆ Good surface finish technology

Door lock diagram Handle diagram Handle & door lock installation diagram

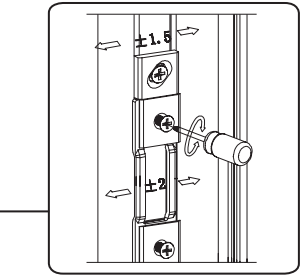
★ Advise sample installation before batch cutting out for installation

03
Feature of SK23A&TCG11

- ◆ The slant design for locking plate reduces the friction between the sash and frame
- ◆ Locking point and locking plate operate closely and the strength is reliable
- ◆ The eccentric adjustment of locking point is $\pm 1.7\text{mm}$

04
KMB210A Feature

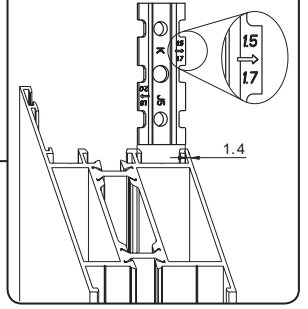
- ◆ Design complying with the euro standard groove
- ◆ Adjustable
- ◆ Fast installation



Please put the clamp into profile groove with the direction showed on the picture, if the profile groove thickness is 1.4mm

05
J5C Feature

- ◆ The design of clamping Block complying with the Euro standard groove, holding firmly
- ◆ High installation efficiency
- ◆ High adjustment for hinge
- ◆ Left and right can be interchangeable

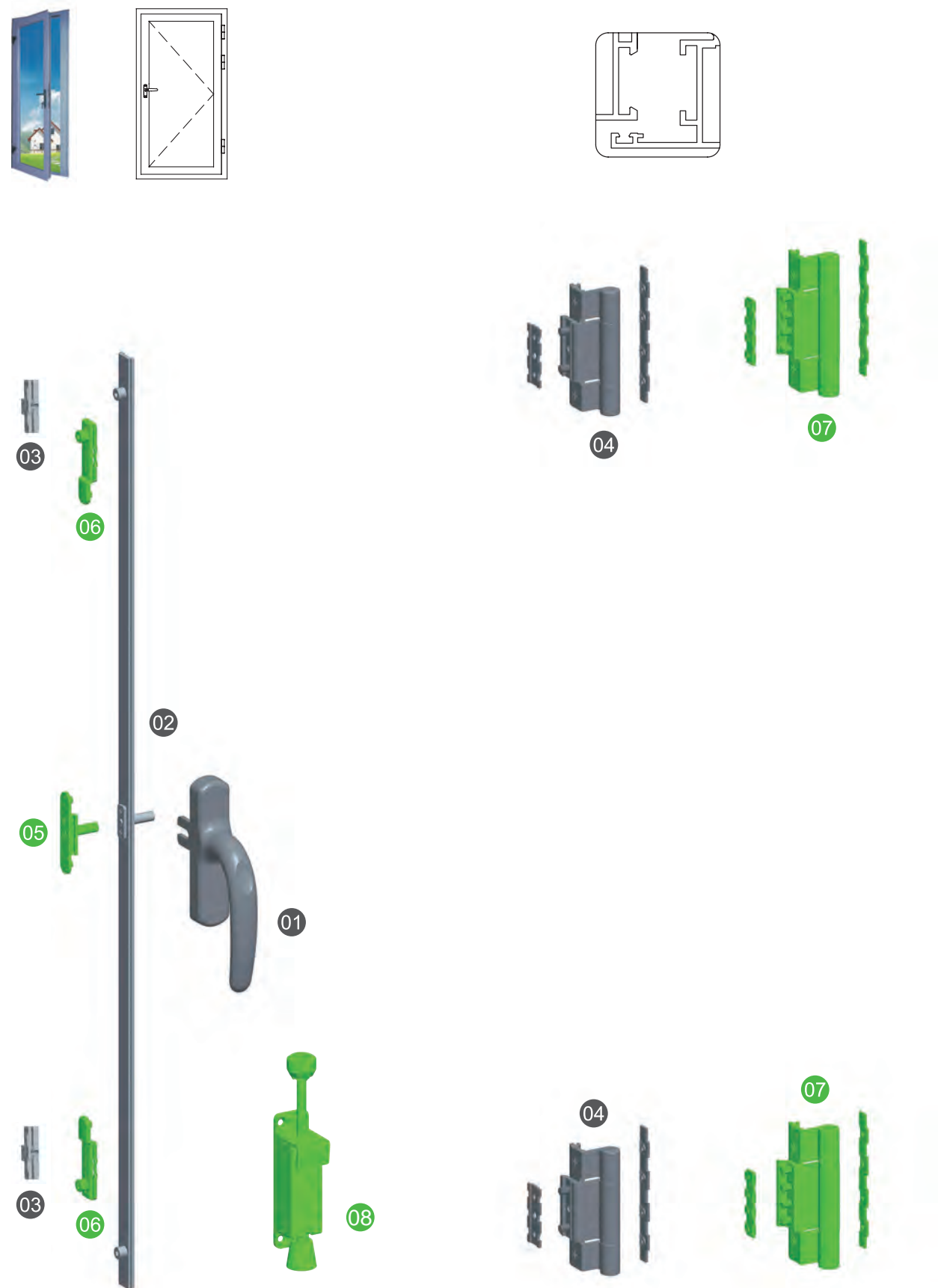


Should put in inside before profile assembling

Cut a portion of the sealing strip of the hinge position



10-5 PM310 Series Single-sash Door With C-Groove

Hardware Configuration for PM310 Series



Number	Product name	Code	Quantity	Remark
01	Handle	TZS008	1	Optional
02	Transmission rod	TCG01-L	1	Select according to door dimension
03	Locking plate	SK23A	2	
04	Hinge	T-MJ07	3	Optional ①
05	Main transmission rod	TCD55	1	Optional
06	Main transmission rod	TCG11	2	Optional
07	Hinge	MJ17	3	Select according to door profile and dimension
08	Positoner	T-DM01	1	Optional

Optional handle for reference

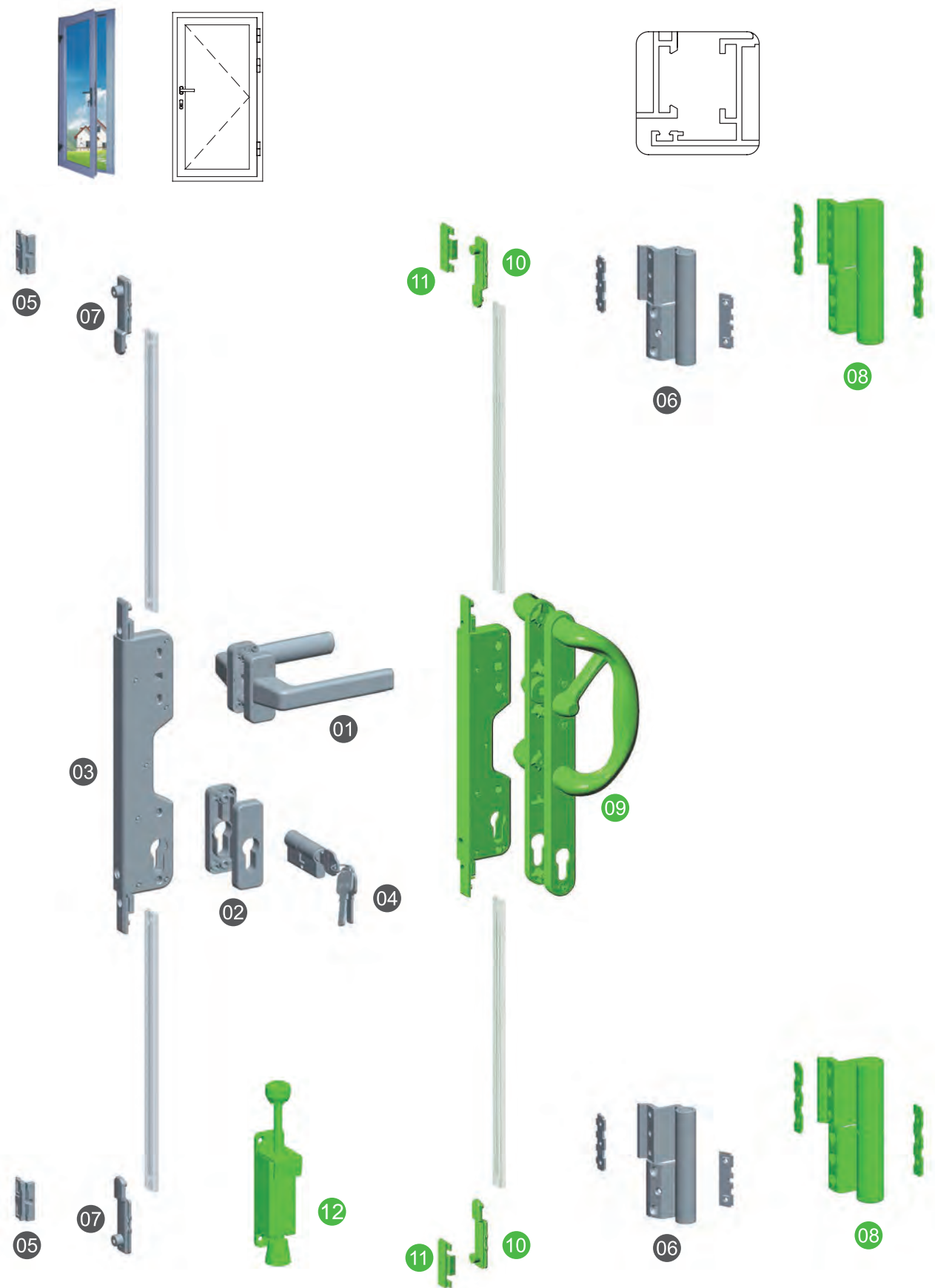
Handle TZS020	Handle TZS223
 <p>Refer page 225</p>	 <p>Refer page 226</p>

Configuration introduction:

① The load bearing capacity of the pivot hinge refers to pivot hinge series on page 232.

★ Items in green color are optional.

10-6 PM320 Series Single-sash Door With C-Groove



Hardware Configuration for PM320 Series

Number	Product name	Code	Quantity	Remark
01	Handle	MZS07	1	Optional ①
02	Cylinder cover	T-SXH02	1	
03	Transmitter	T-CDQ30/I	1	
04	Cylinder	KILAB	1	Optional ②
05	Locking plate	T-MSK25	2	
06	Hinge	J4	3	Optional ③
07	Transmission rod	TCG11	2	
08	Hinge	MJ26	3	Select according to profile
09	Door handle (left&right)	T-MLS003	1	Distinguish left or right type
10	Transmission rod	TCG10	2	Optional
11	Locking plate	MSK24	2	
12	Positoner	T-DM01	1	Optional

Optional handles for reference

Handle T-MZS05	Handle T-MZS05H	Handle MZS06	Handle MZS06H	Handle MZS07H
Refer page 231	Refer page 231	Refer page 231	Refer page 231	Refer page 231

Configuration introduction:

- ① Customer can select other handles for T-MZS05 and MZS06 and MZS07 series referring to page 231.
spindle length=sash thickness+(33-40),screw length(M5)L=sash thickness+15
- ② Cylinder selection refers to cylinder series on page 203. T-SXH02 series used with LD-03-L series screws,
length of screw L=sash thickness+(7-11)
- ③ The load bearing capacity of the pivot hinge refers to page 232
- ★ Items in green are optional
- ★ If choose T-MLS003,Square steel length L=sash thickness+(17-22),screw length(M5)L=sash thickness+15

Description of PM320 Series Single-sash Door With C-groove

Feature of this door type

- ◆ Multi-point locking increases safety
- ◆ New combination of the cylinder with bidirectional transmission
- ◆ Applicable to the standard european C-groove profile in the market
- ◆ Configuration can be selected according to different requirement

01

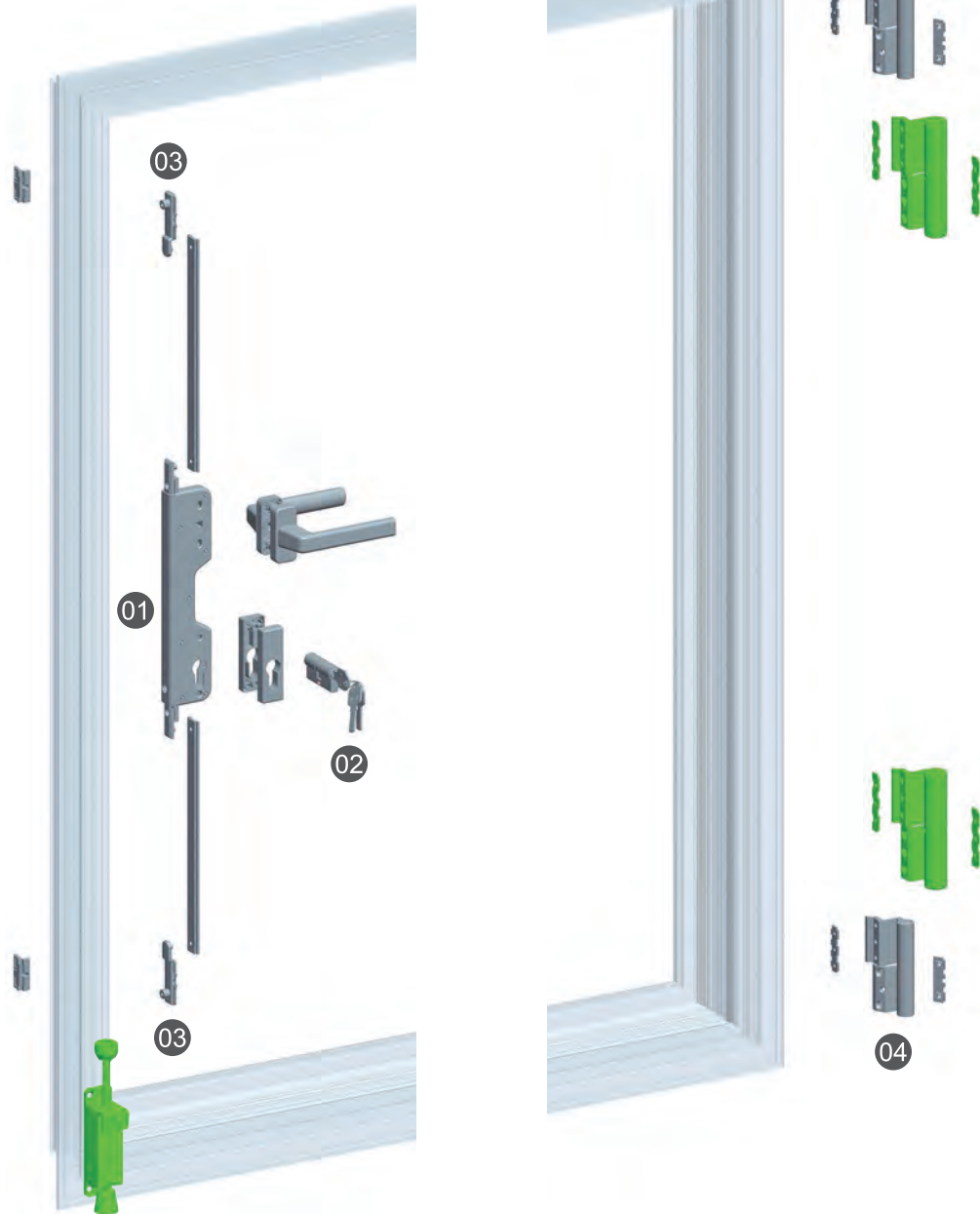
Feature of T-CDQ30

- ◆ Bidirectional drive matched with bolt can achieve the function of multi-point locking, increasing the safety
- ◆ Add cylinder to achieve selflocking function after drive
- ◆ The surface is treated with high-quality electrophoresis to enhance the beauty and anti-corrosion function
- ◆ Center distance is 30 mm with wide application

02

Feature of KILAB

- ◆ Good safety performance
- ◆ Wide range of application
- ◆ Favourable surface treatment technology



Cutouts drawing of the transmitter

Cutouts drawing of the handle and cylinder cover

Installation sketch of the handle, transmitter and cylinder cover

★ Advise sample installation before batch cutting out for installation

03

Feature of T-MSK25&TCG11

- ◆ The slant design for locking plate reduces the friction between the sash and frame
- ◆ Locking point and locking plate operate closely and the strength is reliable
- ◆ The eccentric adjustment of locking point is $\pm 1.7\text{mm}$

04

Feature of J4

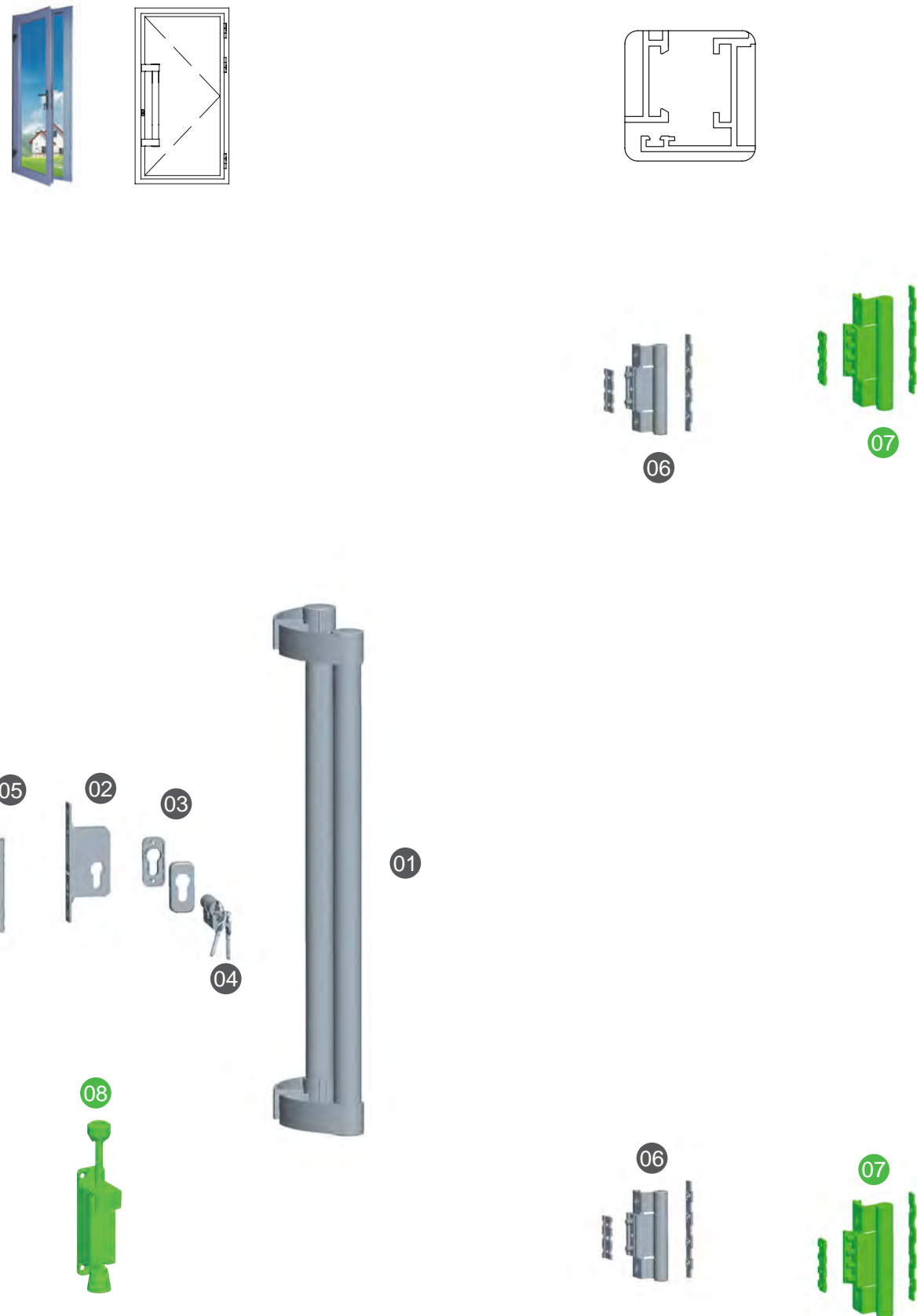
- ◆ The back-mounted clamping block is designed according to European standard groove
- ◆ High installation efficiency
- ◆ The hinge is two-dimensional adjustable
- ◆ Right and left is changeable
- ◆ The hinge bearing capacity is 90kg

J4 Hinge (Right-type)
Sketch of distance adjustment between sash and frame

Frame axis sleeve adjustment	← Increase the distance between sash and frame → Reduce the distance between sash and frame	Sash axis sleeve adjustment
<p>Frame axis sleeve rotates anti clockwise</p>	<p>0.5</p>	<p>Sash axis sleeve rotates anti clockwise</p>
<p>Original place</p>	<p>0.5</p>	<p>Original place</p>
<p>Frame axis sleeve rotates clockwise</p>	<p>0.5</p>	<p>Sash axis sleeve rotates clockwise</p>
<p>Hinge axis ←</p>		<p>Hinge axis →</p>

10-7 PM330 Series Single-sash Door with C-Groove

Hardware Configuration for PM330 Series



Number	Product name	Code	Quantity	Remark
01	Door handle	T-MLS05-L	1	Specifications depend on the type of door ①
02	Door lock	T-DFS32	1	
03	Cylinder cover	MZS60-SH	1	
04	Cylinder	KILAB	1	Optional ②
05	Frame panel	T-KMB150	1	
06	Hinge	T-MJ07	3	Optional ③
07	Hinge	MJ17	3	Select according to profile
08	Positoner	T-DM01	1	Optional

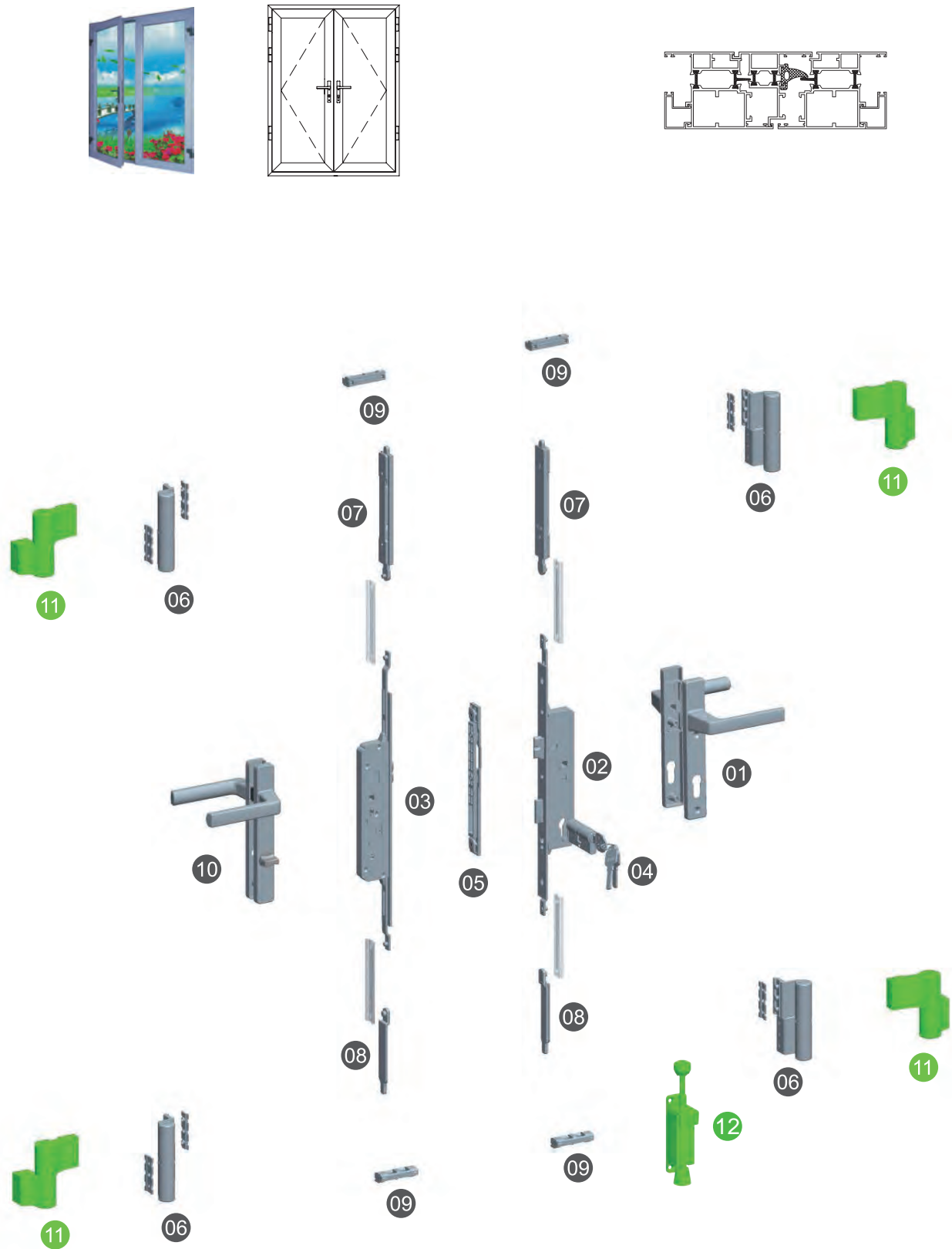
Optional handles for reference

Pivot hinge J4	Pivot hinge J5C	Pivot hinge MJ17	Pivot hinge T-MJ37	Pivot hinge T-MJ57
				
Refer page 232	Refer page 232	Refer page 235	Refer page 236	Refer page 236

Configuration introduction:

- ① Length of screw for door handle installation L= thickness of fan material (20~25)
- ② Cylinder refer to cylinder series on page of 203
- ③ The load bearing capacity of the pivot hinge refers to page 232
- ★ Items in green are optional


10-8 PM400 Series Double Sash Swing Door With C-Groove



Hardware Configuration for PM400 Series

Number	Product name	Code	Quantity	Remark
01	Handle	MZS20	1	Optional ①
02	Door lock	MSC28/I	1	Optional
03	Door lock	JMS26A/I	1	
04	Cylinder	KILAB	1	Optional ②
05	Cover plate	KMB210A	1	
06	Pivot hinge(left & right)	MJ15A	6	Depend on profile ③
07	Transmission bolt	SCQ10	2	
08	Socket	CDG10B	2	Aluminium window Dep. Product
09	Locking plate	SK20	4	
10	Handle	MZS120A/T	1	Optional
11	Pivot hinge(left & right)	LHD63	6	Optional
12	Positoner	T-DM01	1	Optional

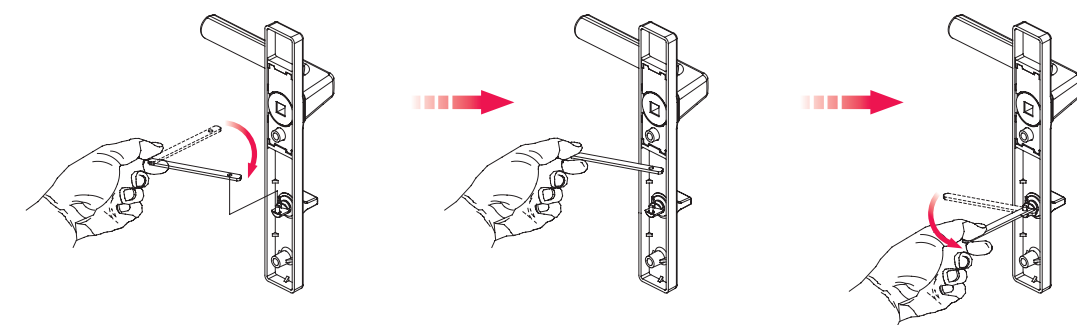
Optional handles for reference

Handle MZS08	Handle MZS22	Handle MZS620	Handle T-MZS918	Handle T-MZS920
				
Refer page 212	Refer page 215	Refer page 222	Refer page 216	Refer page 217

Configuration introduction

- ① Customers can select other handles referring to page 212. Spindle length=sash thickness σ +(33-40), screw length (m5) l= sash thickness σ +15
- ② Cylinder refer to cylinder series on page of 203
- ③ The load bearing capacity of the pivot hinge refers to pivot hinge series on page 232
- ★ Items in green are optional

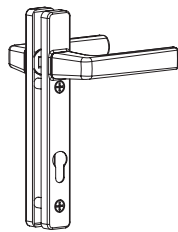
Installation diagram of the MZS120A/T torsion bar



Characteristic Description of PM400 Series Double Sash Swing Door Hardware

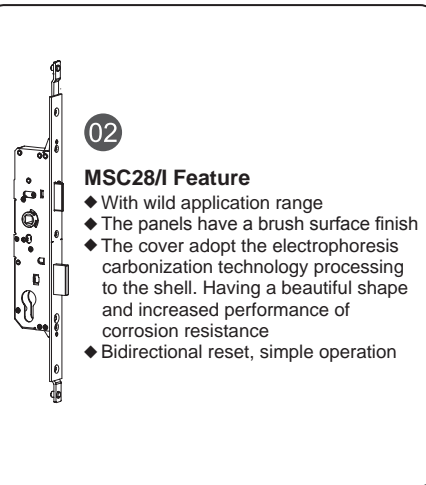
Feature of door type

- ◆ Multi-point lock, high safety performance
- ◆ Systemic design, good anti-theft performance
- ◆ Hinges of the modular design, easy for the accurate positioning of screw, achieve fast installation
- ◆ Configuration scheme can be chosen according to different requirements
- ◆ Realized two directions transmission function with lock, improved the tightness of single casement door
- ◆ Standardization concept, be applicable to the standard european C-Groove profiles in the market



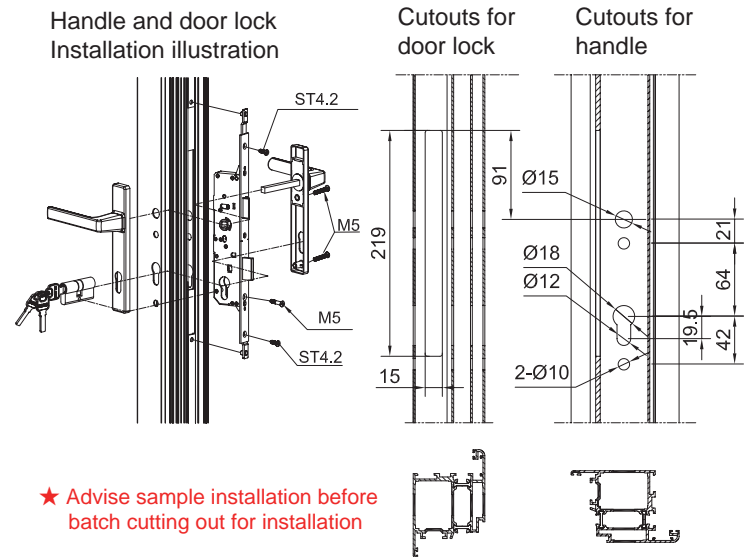
01
MZS20 Feature

- ◆ Regardless of left and right
- ◆ Fast installation

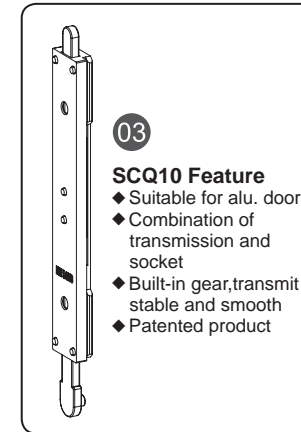
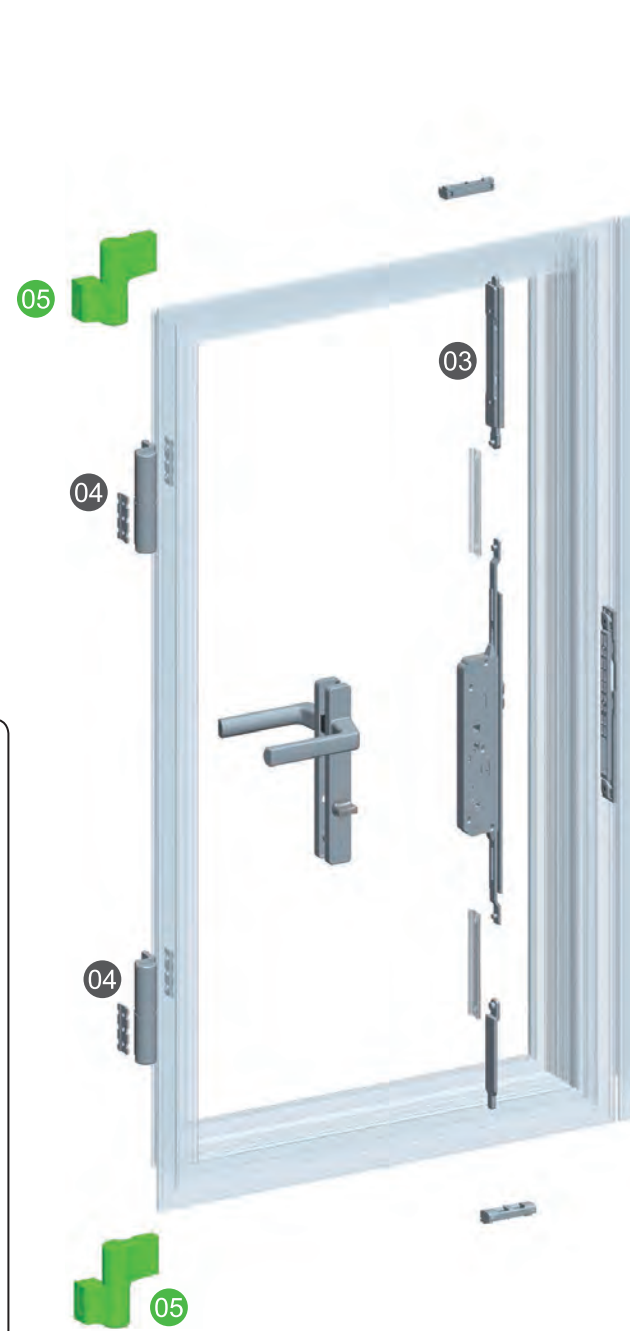


02
MSC28/I Feature

- ◆ With wide application range
- ◆ The panels have a brush surface finish
- ◆ The cover adopt the electrophoresis carbonization technology processing to the shell. Having a beautiful shape and increased performance of corrosion resistance
- ◆ Bidirectional reset, simple operation

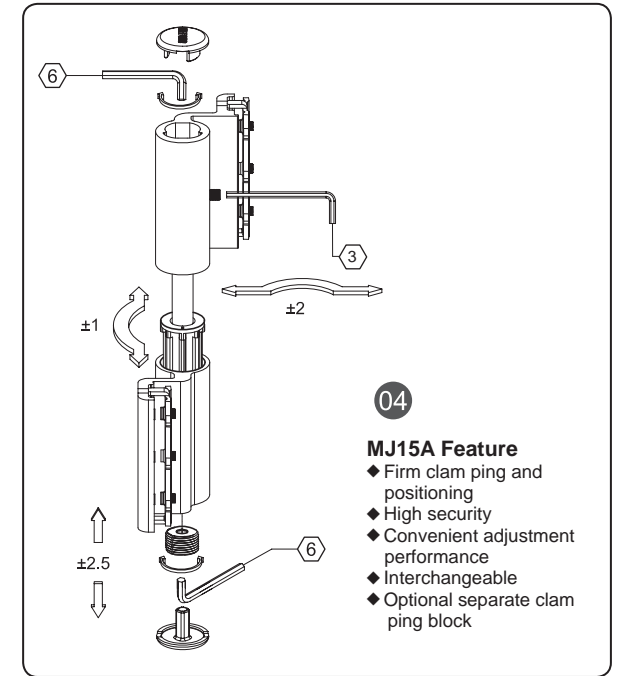
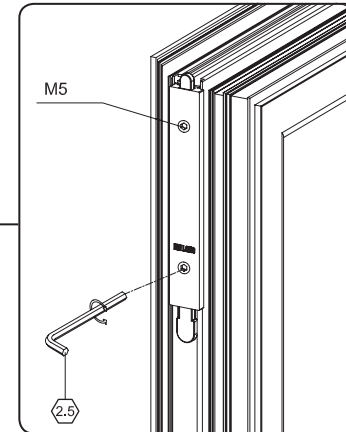


★ Advise sample installation before batch cutting out for installation



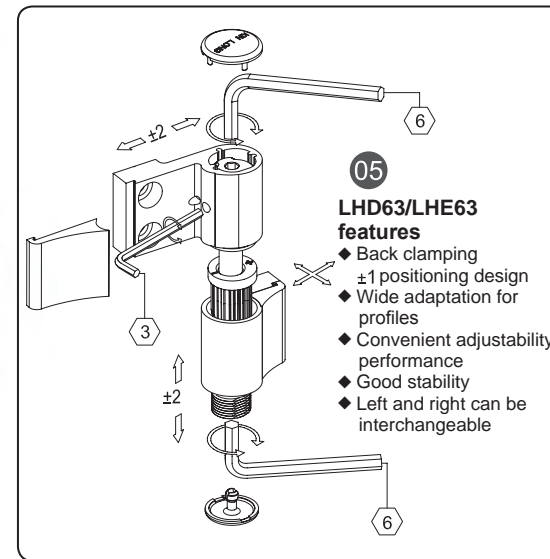
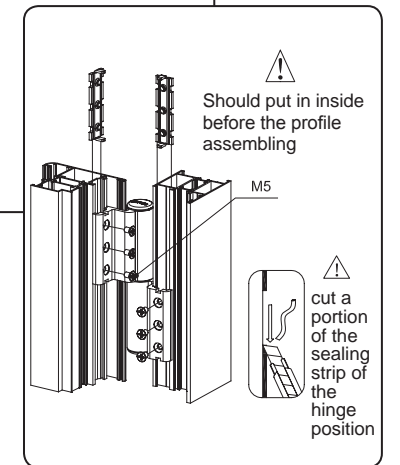
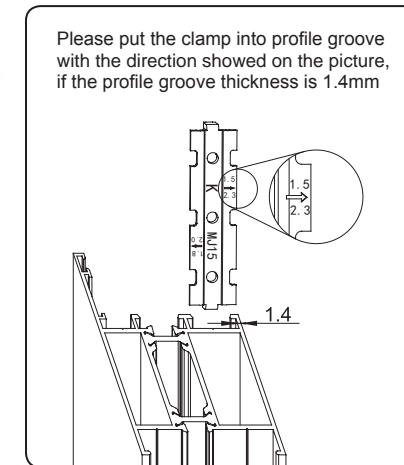
03
SCQ10 Feature

- ◆ Suitable for alu. door
- ◆ Combination of transmission and socket
- ◆ Built-in gear, transmit stable and smooth
- ◆ Patented product



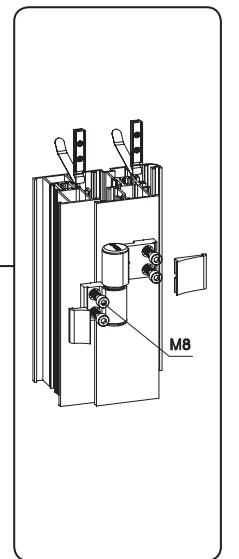
04
MJ15A Feature

- ◆ Firm clamping and positioning
- ◆ High security
- ◆ Convenient adjustment performance
- ◆ Interchangeable
- ◆ Optional separate clamping block

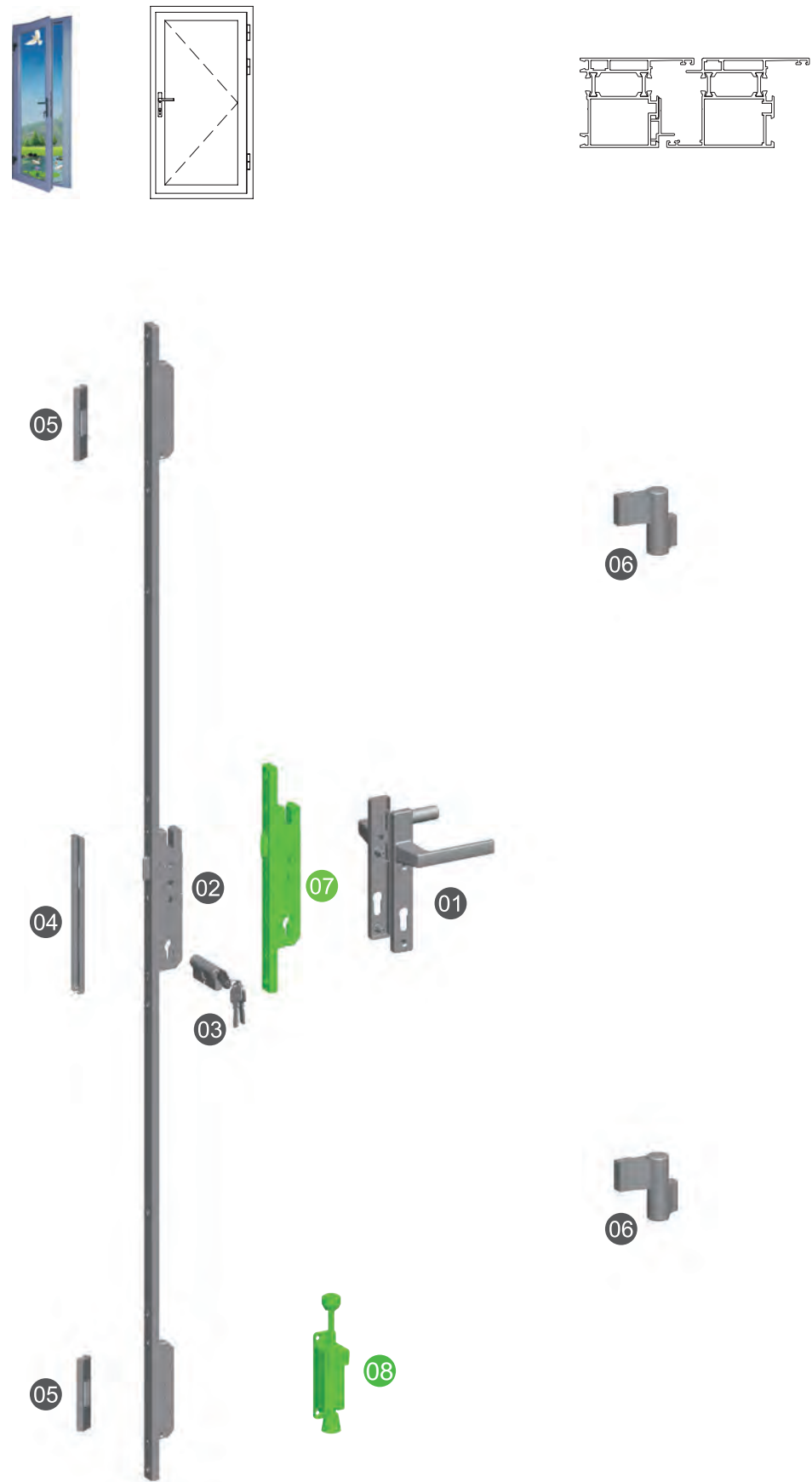


05
LHD63/LHE63 features

- ◆ Back clamping
- ◆ ±1 positioning design
- ◆ Wide adaptation for profiles
- ◆ Convenient adjustability performance
- ◆ Good stability
- ◆ Left and right can be interchangeable



10-9 PM500 Series Heat-insulation Bridge-cut-off Single Sash Door Without Groove



Hardware Configuration for PM500 Series

Number	Product name	Code	Quantity	Remark
01	Handle	MZS20	1	Optional ①
02	Door lock	MSA19/I	1	Optional
03	Cylinder	KILAB	1	Optional ②
04	Cover plate	AMS26-9A	1	
05	Cover plate	KMB100B	2	
06	Pivot hinge(left & right)	LHD63	3	Depend on profile ③
07	Door lock	MSA19/II	1	Optional
08	Positoner	T-DM01	1	Optional

Optional handles for reference:

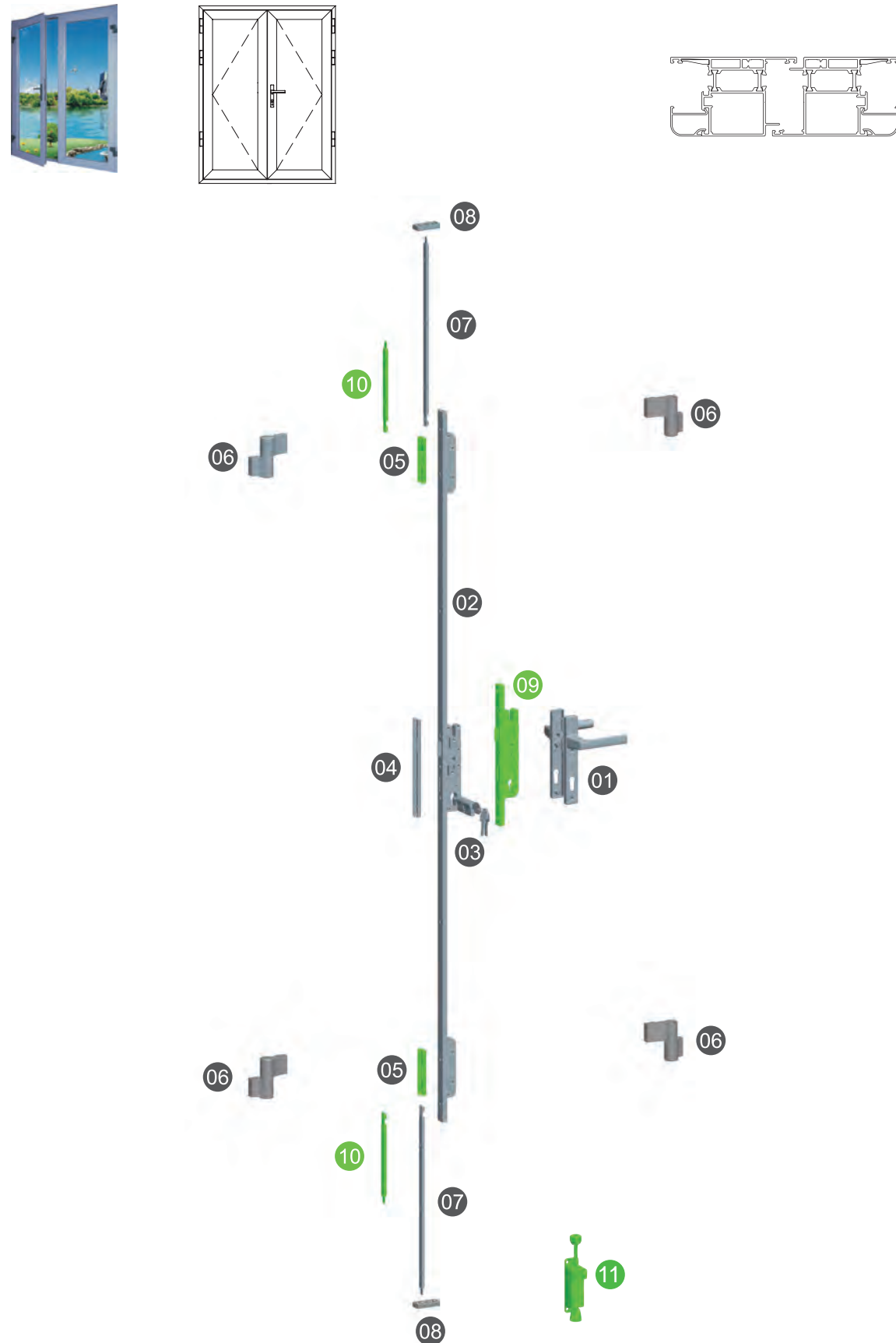
Handle MZS08	Handle MZS22	Handle MZS620	Handle T-MZS918	Handle T-MZS920
Refer page 212	Refer page 215	Refer page 222	Refer page 216	Refer page 217

Configuration introduction

- ① Customers can select other handles referring to page 212 spindle length=sash thickness σ +(33~40mm), screw length (m5) l= sash thickness δ +15mm.
- ② Cylinder refer to cylinder series on page of 203.
- ③ The load bearing capacity of the pivot hinge refers to pivot hinge series on page 232.
- ★ Items in green are optional.

10-10 PM600 Series Heat-insulation Bridge-cut-off Double Sash Door Without Groove

Hardware Configuration for PM600 Series



Number	Product name	Code	Quantity	Remark
01	Handle	MZS20	1	Optional ①
02	Door lock	MSA19/I	1	Optional
03	Cylinder	KILAB	1	Optional ②
04	Cover plate	AMS26-9A	1	
05	Cover plate	KMB100B	2	
06	Pivot hinge (left&right)	LHD63	6	Depend on profile ③
07	Socket	SCX500A	2	
08	Locking plate	SK30A	2	
09	Door lock	MSA19/II	1	Optional ④
10	Socket	SCX220A	2	Optional ④
11	Positoner	T-DM01	1	Optional

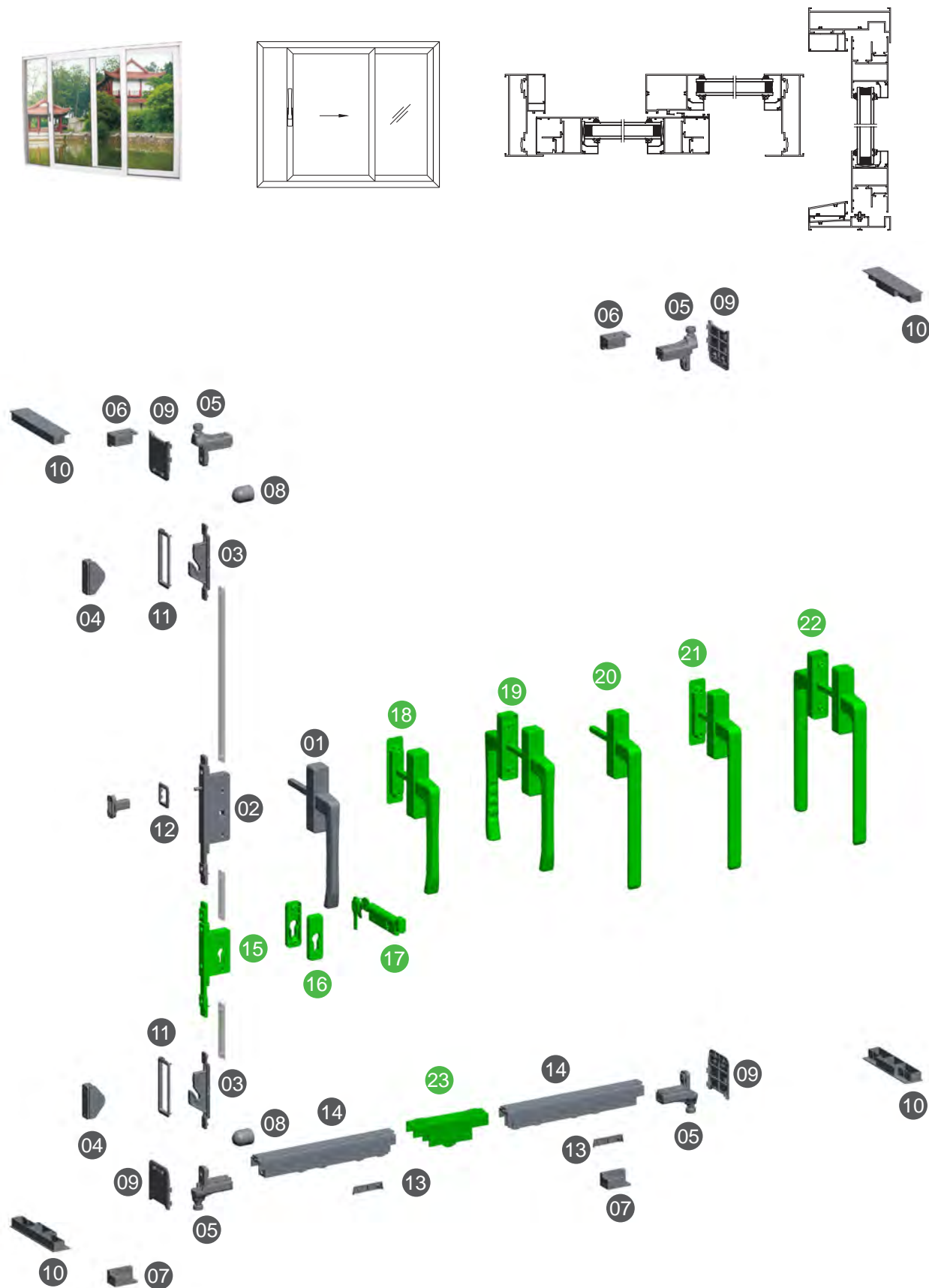
Optional handles for reference:

Handle MZS08	Handle MZS22	Handle MZS620	Handle T-MZS918	Handle T-MZS920
				
Refer page 212	Refer page 215	Refer page 222	Refer page 216	Refer page 217

Configuration introduction:

- ① Customers can select the handle according to this catalogue page 212. spindle length L=sash thickness δ +(33~40mm), screw length (m5) l=sash thickness δ +15mm.
- ② Cylinder refers to page 203 cylinder series.
- ③ The load bearing capacity of the pivot hinge refers to page 232 pivot hinge series.
- ★ Items in green are optional.

11-1 TWD100 Series High Airtight Sliding Side Pressure Door



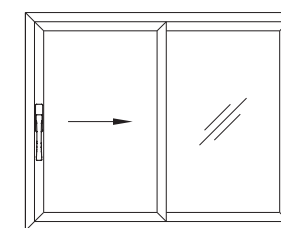
Hardware Configuration for TWD100 Series

Number	Product name	Code	Quantity	Remark
01	Handle	TZS300A/II	1	Optional
02	Transmitter	TWD100-01/II	1	
03	Lock hook	TWD100-03	2	
04	Locking plate	TWD100-04	2	
05	Guide roller	TWD100-05	4	
06	Locking plate 1	TWD100-06-01	2	
07	Locking plate 2	TWD100-06-02	2	
08	Anti-strike block	TWD100-07	2	
09	Cover	TWD100-08	4	
10	Corner end	TWD100-09	4	
11	Cover 1	TWD100-10	2	
12	Cover 2	TWD100-11	1	
13	Water cap	TWD100-12	2	
14	Roller	CML97	2	Roller dept product
15	Transmitter with lock	TWD100-02/I	1	Optional
16	Cylinder cover	T-SXH02	1	Optional
17	Cylinder	KILAB/T	1	Optional Match with TWD100-02/I
18	Handle	TZS301A/II	1	Optional
19	Handle	TZS302A	1	Optional
20	Handle	TZS310/II	1	Optional
21	Handle	TZS311/II	1	Optional
22	Handle	TZS312	1	Optional
23	Middle pulley	CML98	2	Optional

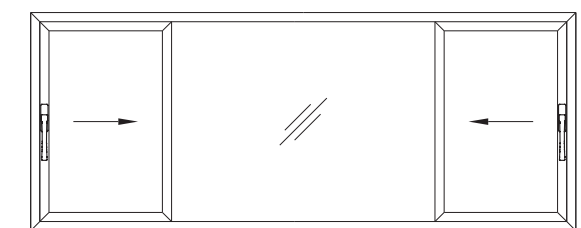
Configuration introduction:

- ★ The system has the advantages of high lighting permeability, opening up without occupying space, and has excellent air-tight, water-tight, and wind-resistant performance;
- ★ The maximum size of the movable fan: 1500mm wide, 3000mm high; the maximum load-bearing 300KG, please judge whether need the middle roller according to the actual situation, the movable fan weight is more than 200KG suggest using the middle pulley;
- ★ Suitable for high-rise buildings, high-end communities, villas, apartments, etc.;
- ★ The green graphics hardware is optional accessories, and the scheme is flexible to adapt to different needs;
- ★ This series of handles are all high-performance bearing handles.

Scheme schematic:



Movable - fixed



Movable - fixed-movable

Characteristic Description for TWD100 Series High Airtight Sliding Side Pressure Door Hardware System

Feature of door type:

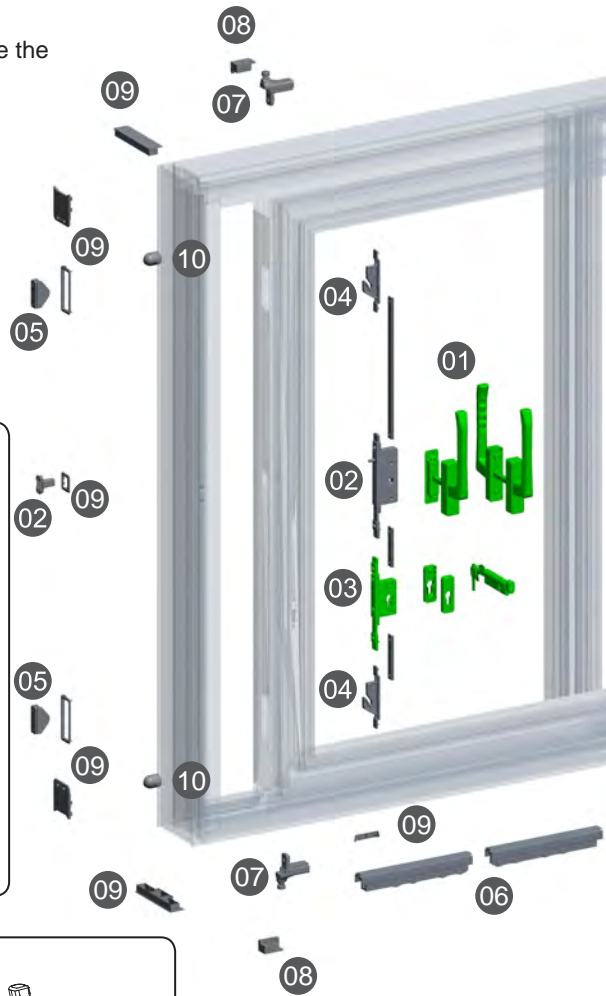
- ◆ Single point control, anti-misoperation, safe and convenient.
- ◆ Multi-point locking, buffer design, superior performance.
- ◆ The progressive hook and the stainless steel roller of the lock seat are perfectly matched, and the lock and guard are integrated.
- ◆ Sliding is light and flexible, and the locking is firm and reliable.
- ◆ High bearing capacity, suitable for doors with large specifications.
- ◆ With multi-dimensional adjustable function, it can effectively ensure the coordination of hardware.
- ◆ Adopt uninterrupted rubber strip sealing form, with good airtight, watertight and wind -pressure resistance performance.

01 Features of TZS302A :

- ◆ Patented handle, built-in high-performance bearing, flexible opening and closing, smooth rotation.
- ◆ Simple and comfortable appearance.
- ◆ Large torque and small opening force.

02 Features of TWD100-01 :

- ◆ Mistake-proof design can effectively avoid hardware damage caused by misoperation.
- ◆ The transmission gear is made of powder metallurgy to fully ensure the stability of the transmission.
- ◆ It can be used with the lock hook to achieve multi-point locking, and the safety performance is higher.
- ◆ It adopts 10x10mm square steel hole design, which can meet the demand of high-strength transmission for large-size doors and windows.



★ Advise sample installation before batch cutouts installation

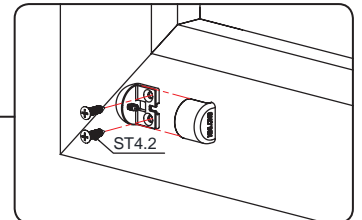
03 Features of TWD100-02 :

- ◆ Single direction transmission, 36mm long-travel transmission.
- ◆ It is used with KIL series cylinder to realize the locking function.
- ◆ Designed with an adjustment mechanism, which can realize the adjustment of the length of the transmission rod, avoiding the transmission coordination problem caused by the cutting error.
- ◆ The surface is treated with high-quality electroplated pearl chrome to beautify the appearance and increase the corrosion resistance.



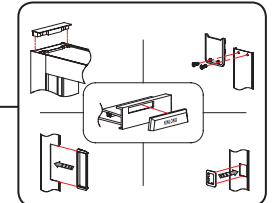
10 Features of TWD100-07:

- ◆ Use self-tapping screws to fasten, easy to install.
- ◆ The use of high-quality rubber can well absorb the impact of inertia, effectively prevent hardware damage and prolong life.



09 Features of TWD100-08&TWD100-09&TWD100-10 &TWD100-11&TWD100-12:

- ◆ Use high-quality polyamide.
- ◆ Effectively improve system stability.



Installation of upper and lower lock blocks on the side of the left sash profile:

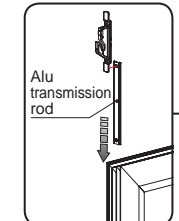
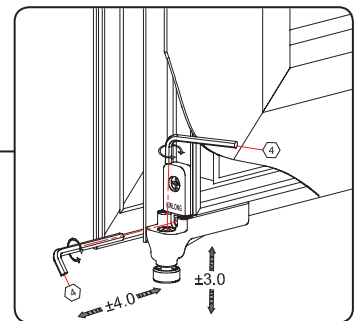
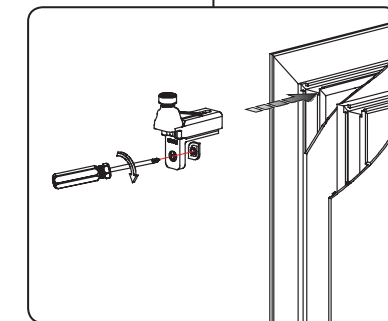
Installation of upper and lower lock blocks on the frame:

07 Features of TWD100-01&TWD100-02:

- ◆ Strip-through type installation, convenient and quick.
- ◆ Multi-dimensional adjustment to ensure the sealing effect of the system.
- ◆ Bearing rollers have high strength and high precision.
- ◆ Outer wheels are made of wear-resistant engineering plastics

08 Features of TWD100-06-01&TWD100-06-02:

- ◆ Fixed by self-tapping screws and easy to install.
- ◆ Oriented design, lock and save effort.

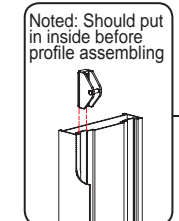
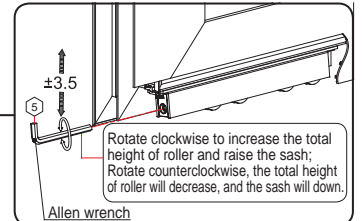


04 Features of TWD100-03 :

- ◆ The T-shaped stiffener design ensures the sufficient strength of the lock hook.
- ◆ Strip-through type installation, convenient and quick.
- ◆ Mute design, more comfortable operation.
- ◆ The anti-collision rubber block design can effectively buffer the noise and impact force of the lock.

06 Features of roller CML97 :

- ◆ Swing wheel design, realize side shift.
- ◆ Strip-through type installation, convenient and quick.



05 Features of TWD100-04 :


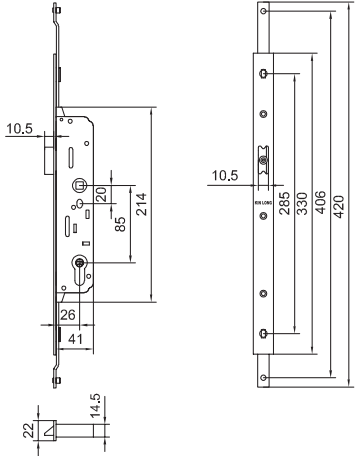
- ◆ Strip-through type installation, reverse top type fixing.
- ◆ The stainless steel Roller structure makes locking smoother.

Roller CML97

Door Lock Series


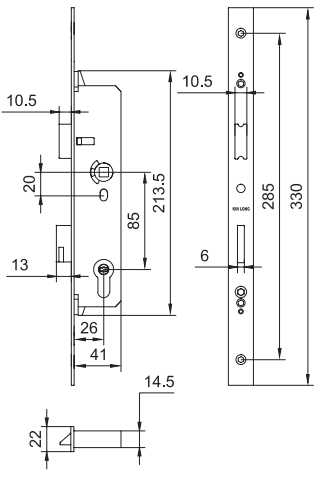
Door Lock Series

JMS26A/I


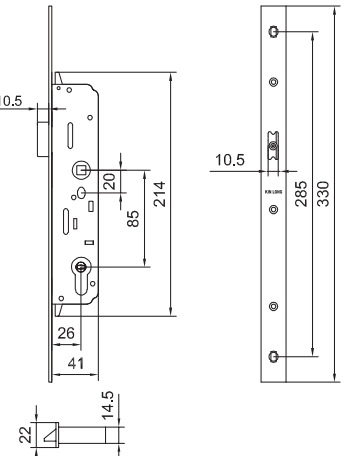
- ◆ Suitable for handle MZS108A/T(H), MZS120A/T(H), MZS122A/T(H) etc.
- ◆ Applicable to KMB100B, KMB110A, T-KMB120, striker plate.

JMSC26/II


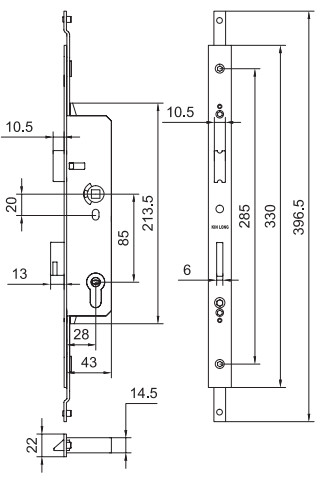
- ◆ Suitable for handle MZS108A/T(H), MZS120A/T(H), MZS122A/T(H) etc.

JMS26A/II


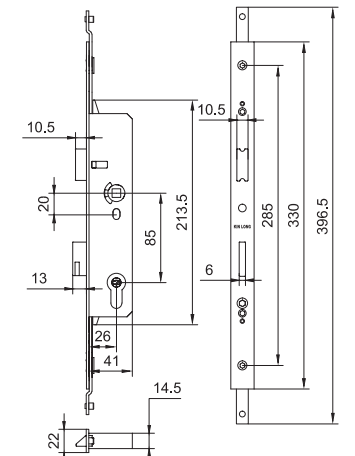
- ◆ Suitable for handle MZS108A/T(H), MZS120A/T(H), MZS122A/T(H) etc.
- ◆ Applicable to KMB100B, KMB110A, T-KMB120, striker plate.

JMSC28/I


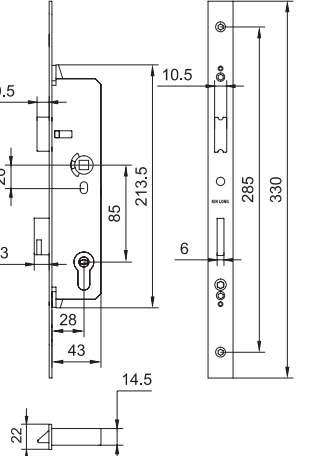
- ◆ Suitable for handle MZS108A/T(H), MZS120A/T(H), MZS122A/T(H) etc.

JMSC26/I

- ◆ Suitable for handle MZS108A/T(H), MZS120A/T(H), MZS122A/T(H) etc.


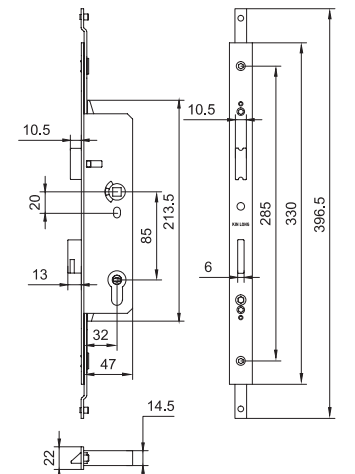

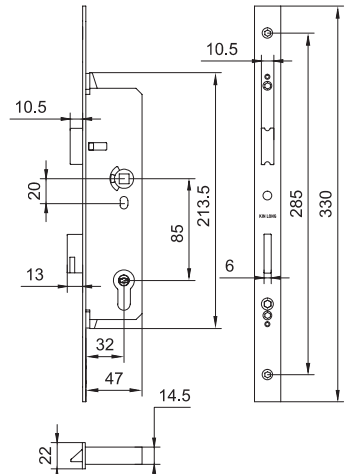

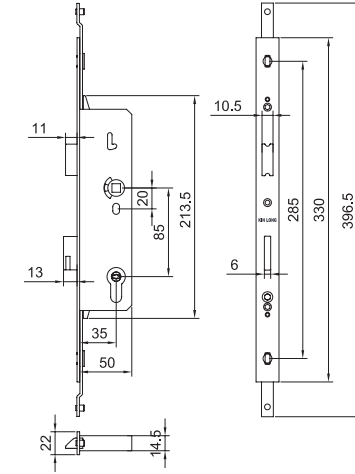
JMSC28/II

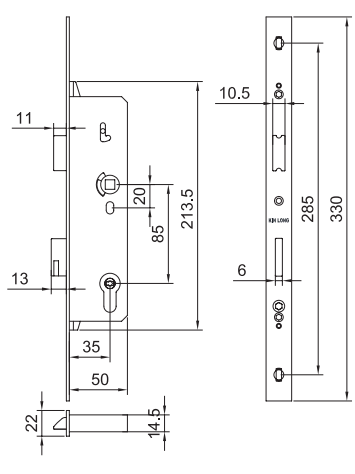

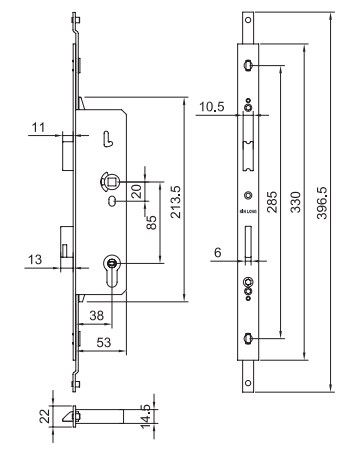

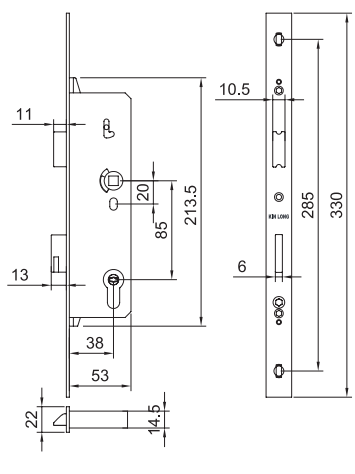




- ◆ Suitable for handle MZS108A/T(H), MZS120A/T(H), MZS122A/T(H) etc.


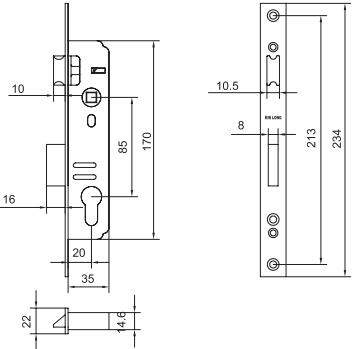

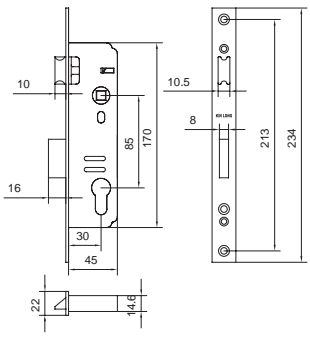

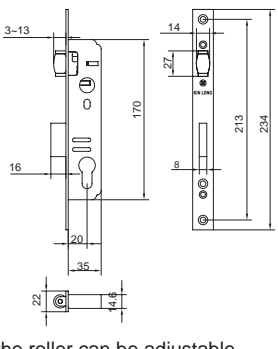

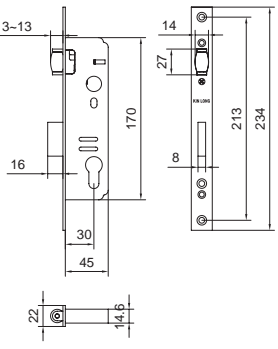
Door Lock Series

Door Lock Series

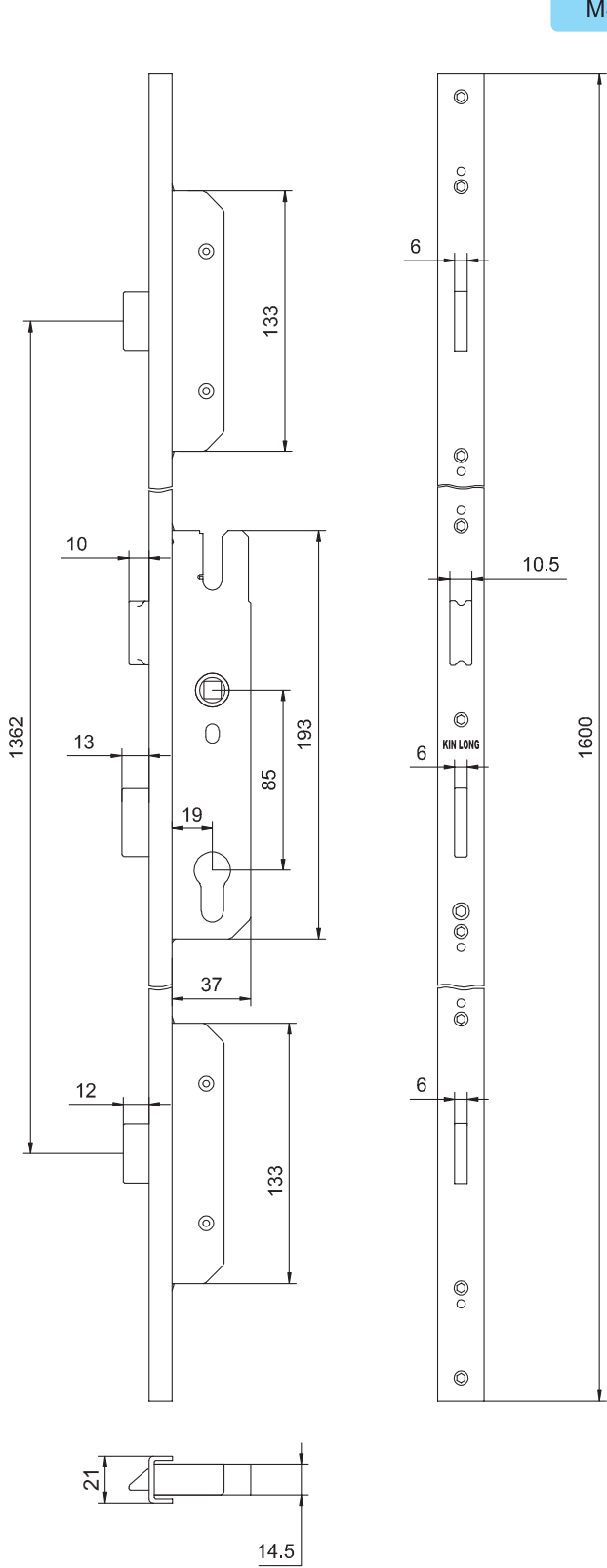

	<p>JMSC32/I</p>  <p>◆ Suitable for handle MZS108A/T(H), MZS120A/T(H), MZS122A/T(H) etc.</p>
	<p>JMSC32/II</p>  <p>◆ Suitable for handle MZS108A/T(H), MZS120A/T(H), MZS122A/T(H) etc.</p>
 <p>Patented Product</p>	<p>T-JMSD35/I</p>  <p>◆ Suitable for handle MZS108A/T(H), MZS120A/T(H), MZS122A/T(H) etc.</p>

 <p>◆ Suitable for handle MZS108A/T(H), MZS120A/T(H), MZS122A/T(H) etc.</p>	<p>T-JMSD35/II</p>  <p>Patented Product</p>
 <p>◆ Suitable for handle MZS108A/T(H), MZS120A/T(H), MZS122A/T(H) etc.</p>	<p>T-JMSD38/I</p>  <p>Patented Product</p>
 <p>◆ Suitable for handle MZS108A/T(H), MZS120A/T(H), MZS122A/T(H) etc.</p>	<p>T-JMSD38/II</p>  <p>Patented Product</p>

Door Lock Series

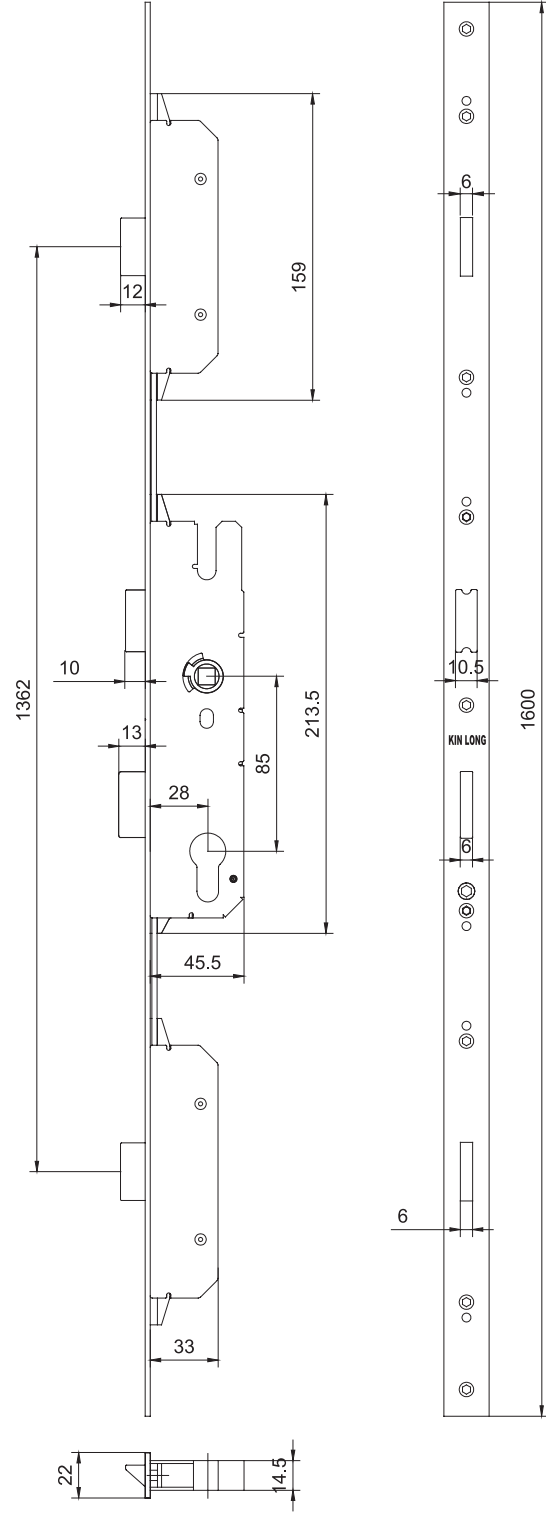
	<p>EMS20A</p>  <ul style="list-style-type: none"> ◆ Suitable for handle MZS208C, MZS220C, MZS222C etc. ◆ Suitable for EMS-13A, T-EMS-15, KMB70, T-KMB165 striker plate
	<p>EMS30</p>  <ul style="list-style-type: none"> ◆ Suitable for handle MZS208C, MZS220C, MZS222C etc. ◆ Suitable for EMS-13A, T-EMS-15, KMB70, T-KMB165 striker plate
	<p>MPS20</p>  <ul style="list-style-type: none"> ◆ Exposed height of the roller can be adjustable. ◆ Suitable for handle MLS01, MLS02, T-MLS05 etc. ◆ Suitable for PMB180, T-PMB181 striker plate
	<p>T-MPS30</p>  <ul style="list-style-type: none"> ◆ Exposed height of the roller can be adjustable. ◆ Suitable for handle MLS01, MLS02, T-MLS05 etc. ◆ Suitable for PMB180, T-PMB181 striker plate

Door Lock Series

 <p>MSA19/I</p> <ul style="list-style-type: none"> ◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc. 	 <p>Patented Product</p>
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Door Lock Series

MSA28/I

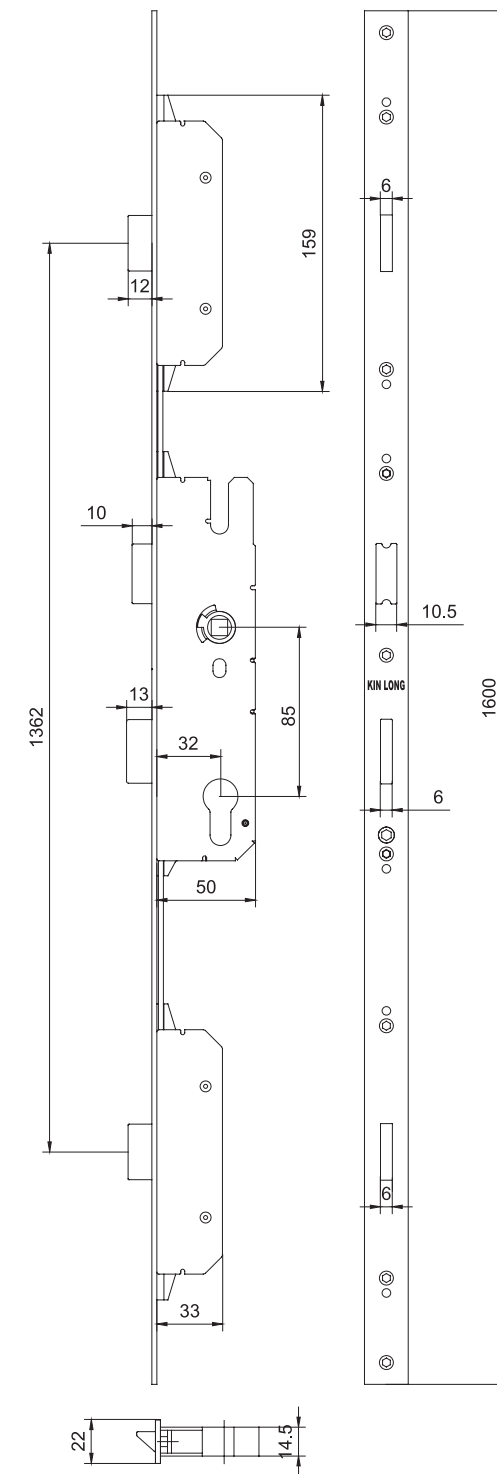


◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.

Patented product

Door Lock Series

MSA32/I

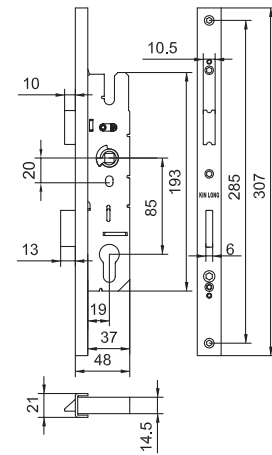


◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.

Patented Product

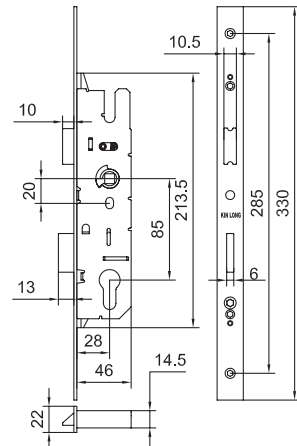
Door Lock Series

MSA19/II



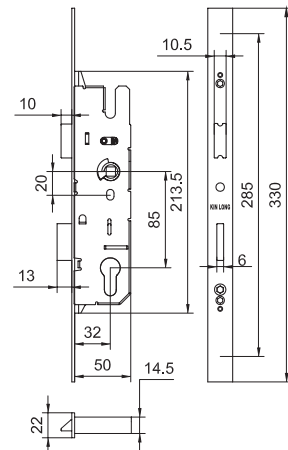
◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.

MSA28/II



◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.

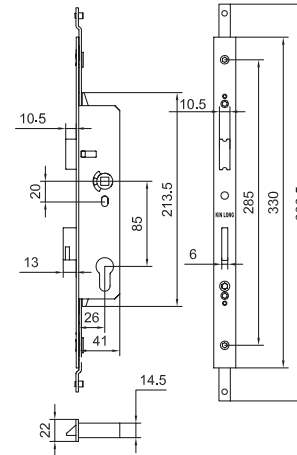
MSA32/II



◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.

Door Lock Series

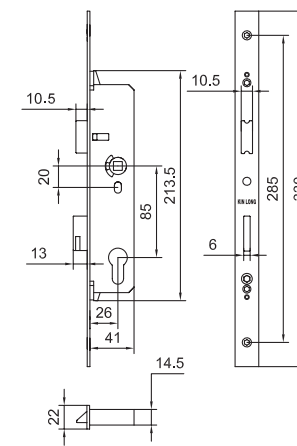
MSC26/I



◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.



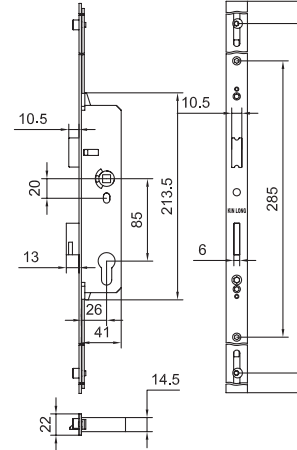
MSC26/II



◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.



MSC26/III

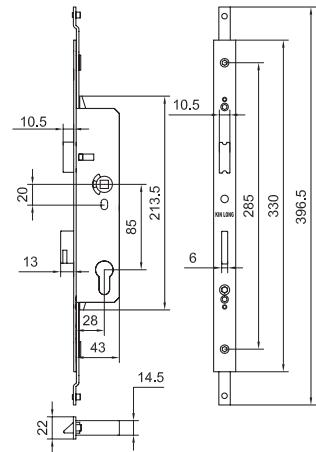


◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.



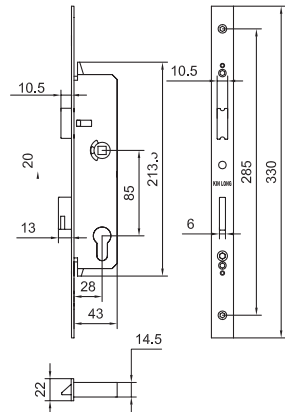
Door Lock Series

MSC28/I



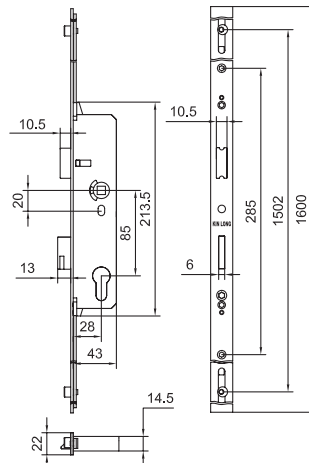
◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.

MSC28/II



◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.

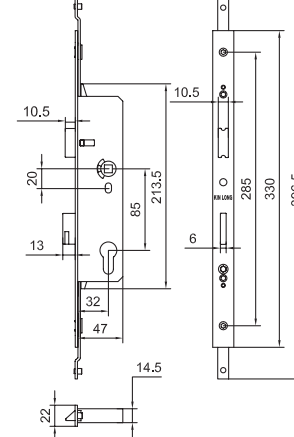
MSC28/III



◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.

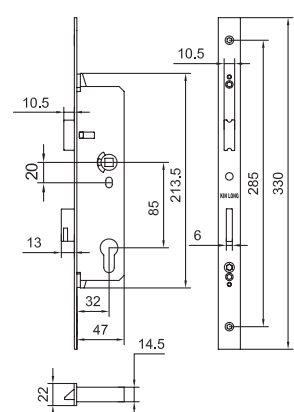
Door Lock Series

MSC32/I



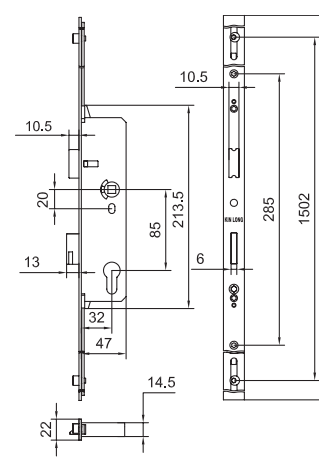
◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.

MSC32/II



◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.


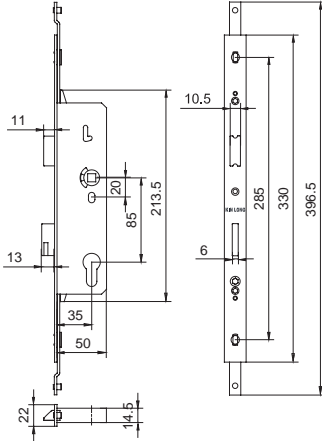

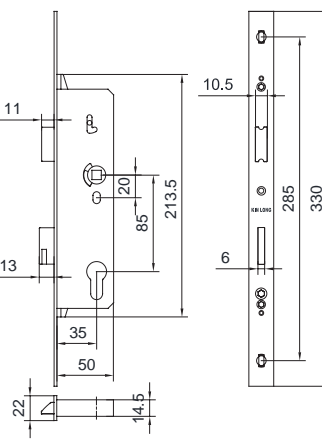

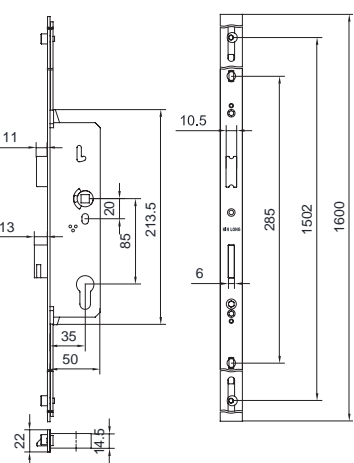
MSC32/III


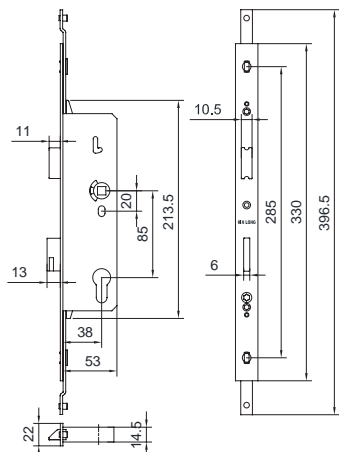

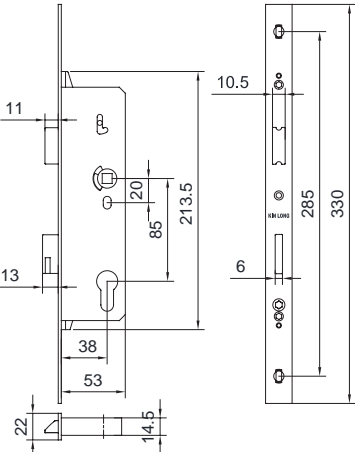

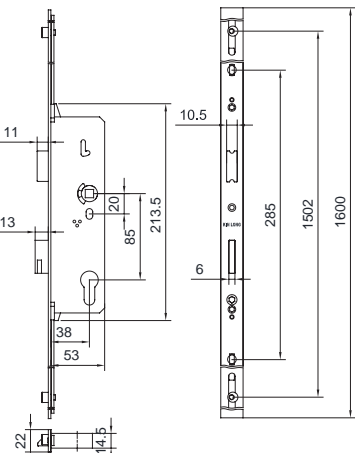


◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.

Door Lock Series

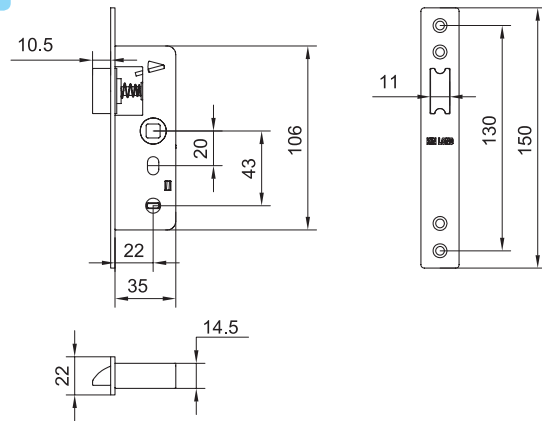
Door Lock Series

 <p>Patented product</p>	<p>T-MSD35/I</p>  <p>◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.</p>
 <p>Patented product</p>	<p>T-MSD35/II</p>  <p>◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.</p>
 <p>Patented product</p>	<p>T-MSD35/III</p>  <p>◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.</p>

 <p>Patented product</p>	<p>T-MSD38/I</p>  <p>◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.</p>
 <p>Patented product</p>	<p>T-MSD38/II</p>  <p>◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.</p>
 <p>Patented product</p>	<p>T-MSD38/III</p>  <p>◆ Suitable for handle MZS08, MZS20, MZS22, MZS208C, MZS220C, MZS222C etc.</p>

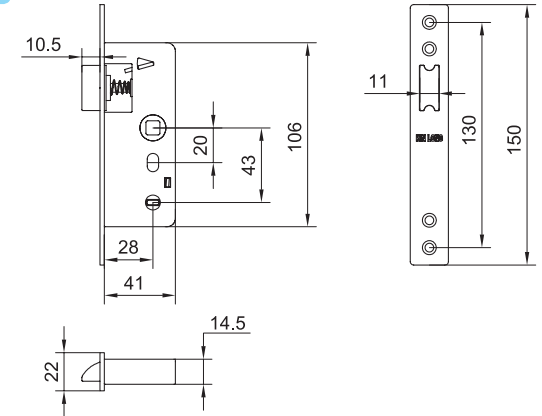
Door Lock Series

LMS22



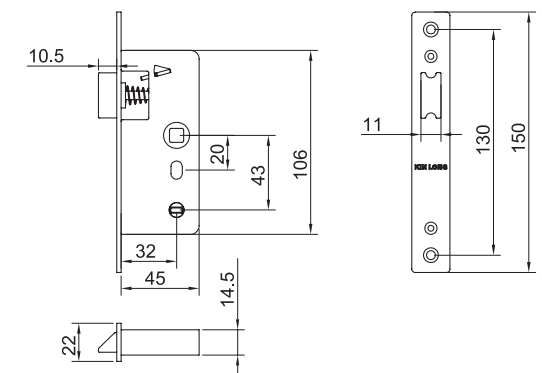
- ◆ Suitable for handle MZS408C, MZS420C, MZS422C, MZS508C, MZS520C, MZS522C etc.
- ◆ Suitable for KMB100B, KMB110A, KMB120A striker plate etc.

LMS28



- ◆ Suitable for handle MZS408C, MZS420C, MZS422C, MZS508C, MZS520C, MZS522C etc.
- ◆ Suitable for KMB100B, KMB110A, KMB120A striker plate etc.

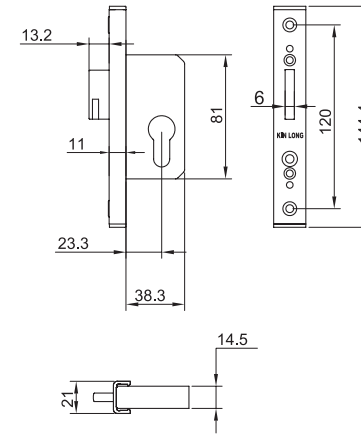
T-LMS32



- ◆ Suitable for handle MZS408C, MZS420C, MZS422C, MZS508C, MZS520C, MZS522C etc.
- ◆ Suitable for KMB100B, KMB110A, KMB120A striker plate etc.

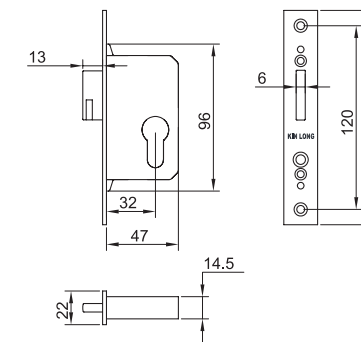
Door Lock Series

T-DFS23



- ◆ Applicable to KMB100B, KMB120A, T-KMB130, T-KMB150 striker plate.
- ◆ Handle base height can be non-standard, G5mm-11mm, center distance (23.3mm-29mm).
- ◆ Could be used on access doors, floor spring doors, etc with T-MLS05-L.

T-DFS32



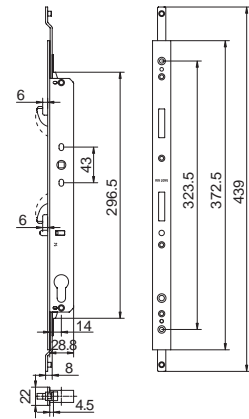
- ◆ Applicable to KMB100B, KMB120A, T-KMB130, T-KMB150 striker plate.
- ◆ Could be used on access doors, floor spring doors, etc with T-MLS05-L.

Door Lock Series

T-SGS14/I



Product introduction refer to page 306

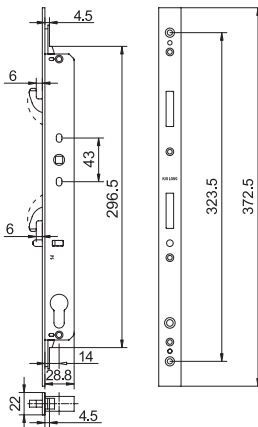


- ◆ Applicable to T-MLS03 Door Handle
- ◆ Applicable to T-KMB201 striker plate
- ◆ Multi lock point match TYG05 series transmission rod to use
- ◆ Only can be used with TILAB series cylinder

T-SGS14/II



Product introduction refer to page 306

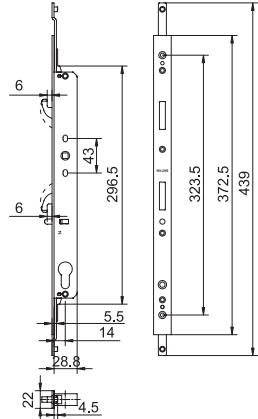


- ◆ Suitable for T-MLS03 Handle.
- ◆ Suitable for T-KMB201 striker plate.
- ◆ Only can be used with TILAB series cylinder

T-SGS14/I-C



Product introduction refer to page 306



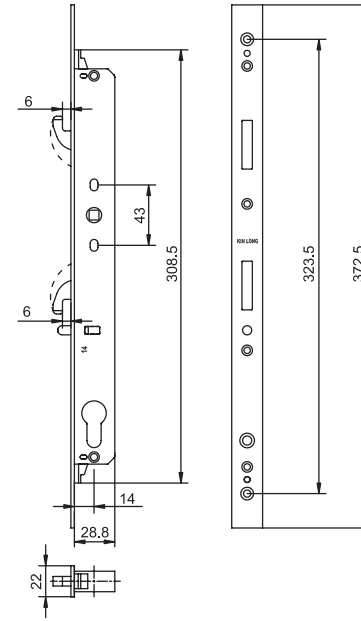
- ◆ Applicable to T-MLS03 door handle
- ◆ Applicable to T-KMB201 striker plate
- ◆ Multi Lock Point Match with standard C groove transmission rod to use
- ◆ Only can be used with TILAB series cylinder

Door Lock Series

T-SGS14/II-W



Product introduction refer to page 306

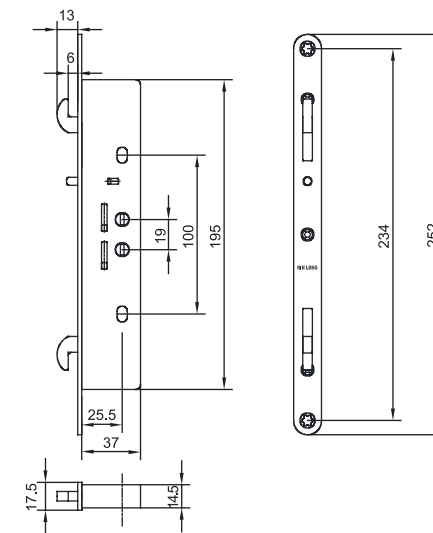


- ◆ Applicable to T-MLS03 door handle
- ◆ Applicable to T-KMB201 striker plate
- ◆ Only can be used with TILAB series cylinder

T-SGS25



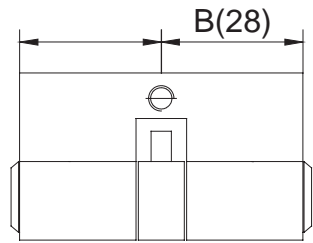
Product introduction refer to page 305



- ◆ Applicable to T-MLS04 T-MLS04W T-MLS504 T-MLS504W T-MLS604 door handle
- ◆ Applicable to T-GMB215 striker plate

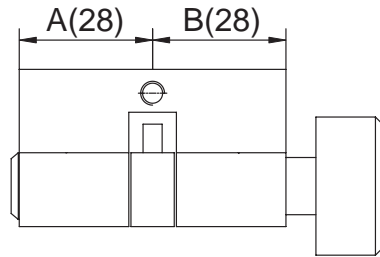
Cylinder Series

TIL2828



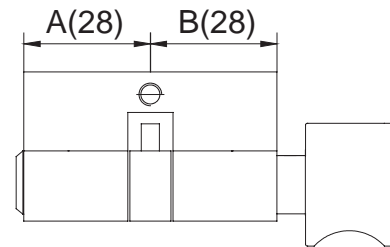
◆ Only suitable for T-SGS14 series double hook lock

TIL2828/T

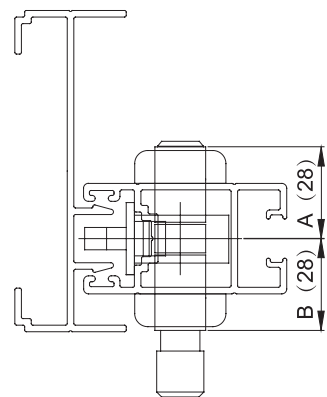


◆ Only suitable for T-SGS14 series double hook lock

TIL2828/H



◆ Only suitable for T-SGS14 series double hook lock

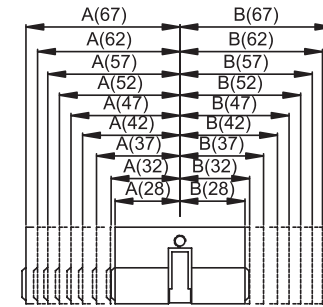


Configuration introduction:

Note: According to the left drawing to confirm the length of A,B when select the cylinder.
A is the length between the key and cylinder center.
B is the length between the knob and cylinder center.

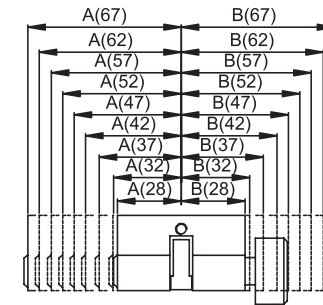
Door Cylinder Series

KILAB



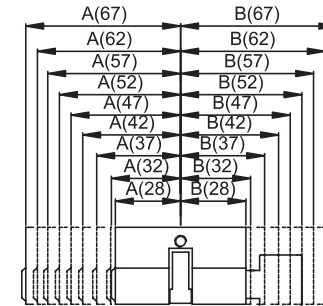
◆ A is the length from outside to center
◆ B is the length from inside to center

KILAB/T

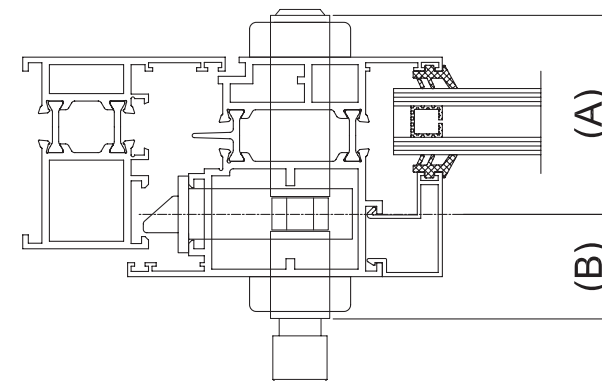


◆ A is the length between the key and cylinder center
◆ B is the length between the knob and cylinder center

KILAB/H




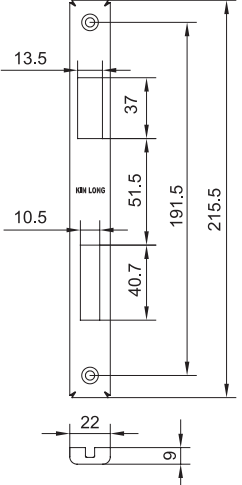

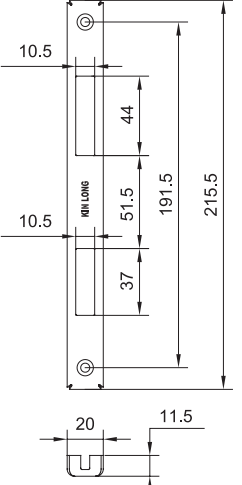

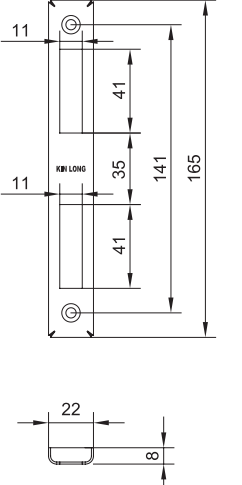
◆ A is the length between the key and cylinder center
◆ B is the length between the knob and cylinder center




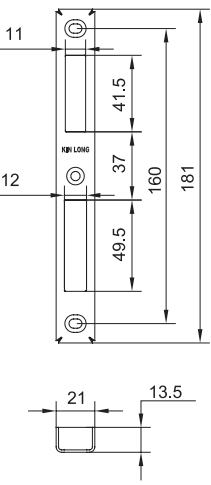

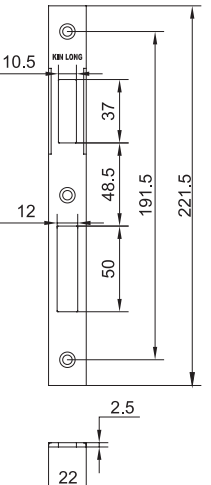

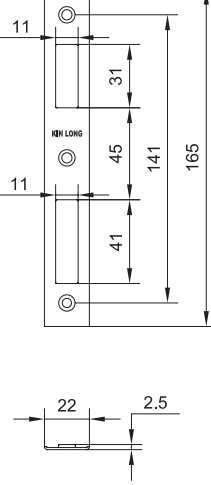
Configuration introduction:

Note: According to the left drawing to confirm the length of A,B when select the cylinder.
A is the length between the key and cylinder center.
B is the length between the knob and cylinder center.


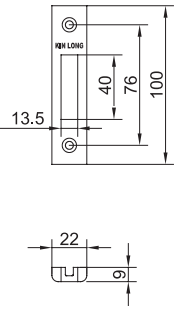

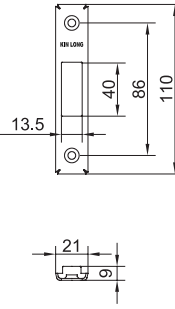

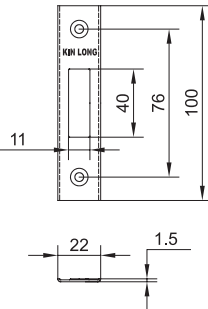

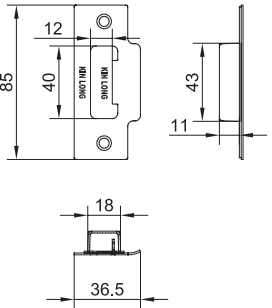
Cover Plate Series

	<p>AMS26-9A</p>  <p>◆ Applicable to JMSC,MSA, MSC,T-JMSD,T-MSD series door lock</p>
	<p>AMS26-10</p>  <p>◆ Applicable to JMSC,MSA, MSC,T-JMSD,T-MSD series door lock</p>
	<p>EMS-13A</p>  <p>◆ Applicable to EMS20A EMS 30 series door lock</p>


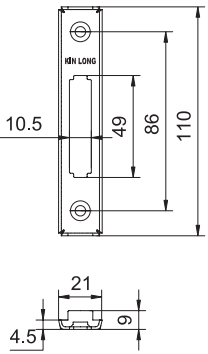

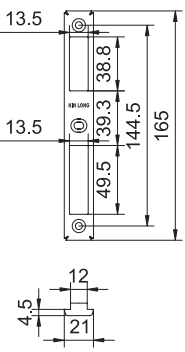

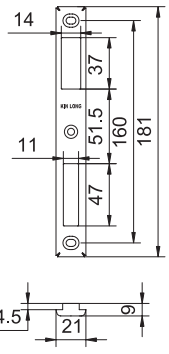

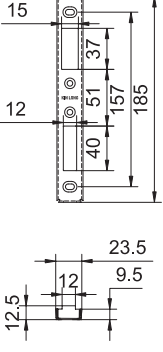
Cover Plate Series

	<p>T-EMS-15</p>  <p>◆ Applicable to JMSC,MSA, MSC,T-JMSD,T-MSD series door lock</p>
	<p>DMS20C</p>  <p>◆ Applicable to JMSC,MSA, MSC,T-JMSD,T-MSD series door lock</p>
	<p>KMB70</p>  <p>◆ Applicable to EMS20A EMS 30 series door lock</p>


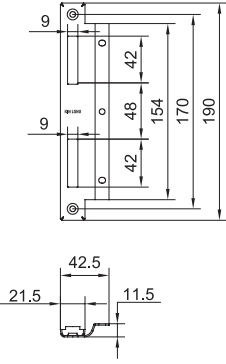

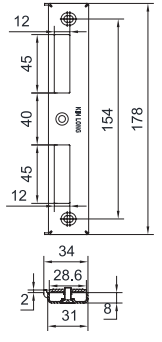

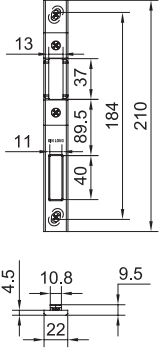

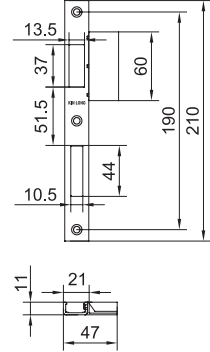
Cover Plate Series

	<p>KMB100B</p>  <p>◆ Applicable door lock series: JMS26A/I, JMS26A/II, MSA19/I, MSA28/I, MSA32/I</p>
	<p>KMB110A</p>  <p>◆ Applicable door lock series: JMS26A/I, JMS26A/II, MSA19/I, MSA28/I, MSA32/I</p>
	<p>KMB120A</p>  <p>◆ Applicable door lock series: JMS26A/I, JMS26A/II, MSA19/I, MSA28/I, MSA32/I</p>
	<p>T-KMB130</p>  <p>◆ Applicable door lock series: JMS26A/I, JMS26A/II, MSA19/I, MSA28/I, MSA32/I</p>


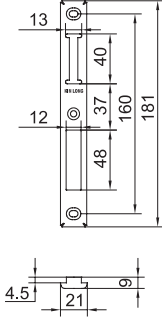

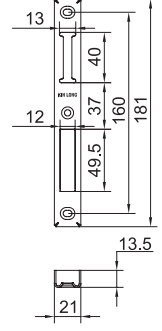

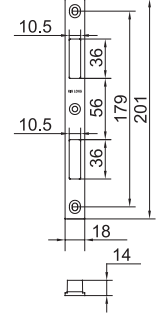

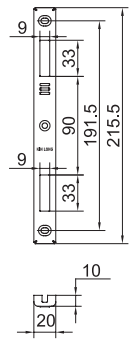
Cover Plate Series

	<p>T-KMB150</p>  <p>◆ Applicable to single latch door lock T-DFS23, T-DFS32</p>
	<p>T-KMB165</p>  <p>◆ Applicable to EMS20A, EMS30 door lock</p>
	<p>KMB180A</p>  <p>◆ Applicable to JMSC, MSA, MSC, T-JMSD, T-MSD series door lock</p>
	<p>KMB185</p>  <p>◆ Applicable to JMSC, MSA, MSC, T-JMSD, T-MSD series door lock</p>

Cover Plate Series

	<p>KMB190</p>  <p>◆ Applicable to JMSC,MSA, MSC,T-JMSD,T-MSD series door lock</p>
	<p>T-KMB200</p>  <p>◆ Applicable to JMSC,MSA, MSC,T-JMSD,T-MSD series door lock</p>
 <p>Patented product</p>	<p>KMB210A</p>  <p>◆ Applicable to JMSC,MSA, MSC,T-JMSD,T-MSD series door lock</p>
	<p>KMB215</p>  <p>◆ Applicable to JMSC,MSA, MSC,T-JMSD,T-MSD series door lock</p>


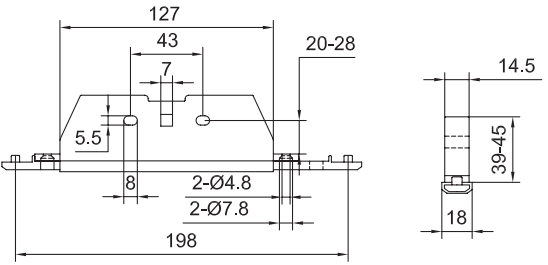
Cover Plate Series

	<p>PMB180</p>  <p>◆ Applicable to MPS20,T-MPS30 series door lock</p>
	<p>T-PMB181</p>  <p>◆ Applicable to MPS20,T-MPS30 door lock</p>
	<p>T-KMB201</p>  <p>◆ Applicable to T-SGS14 series double-hook lock</p>
	<p>T-GMB215</p>  <p>◆ Applicable to T-SGS25 Double-hook lock</p>

Transmitter Series

Transmitter Series


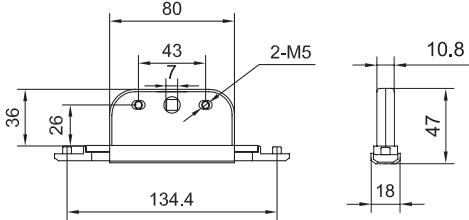
KMS20/I

- ◆ Unidirectional transmission
- ◆ Applicable to handle T-MZS05, T-MZS05S, T-MZS05H, MZS06, MZS06S, MZS06H, MZS07, MZS07S, MZS07H


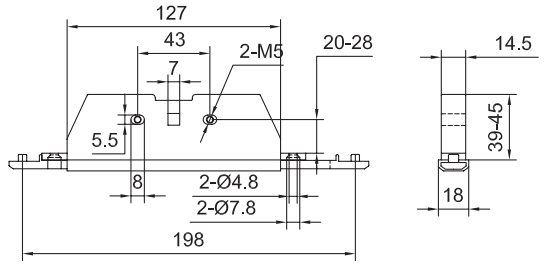
Patent Product

CDQ26/II

- ◆ Bidirectional transmission
- ◆ Applicable to handle with square steel(7*7)


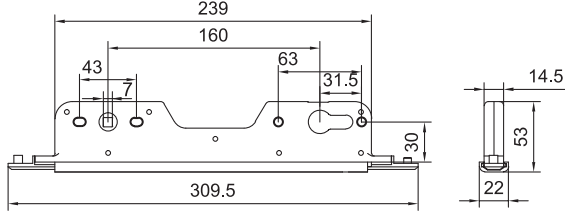
KMS20/II

- ◆ Unidirectional transmission
- ◆ Applicable to handle with square steel(7*7)


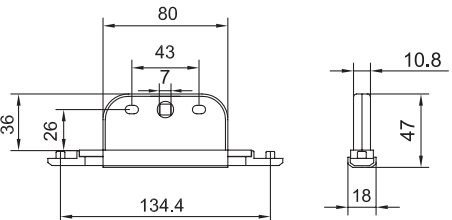
Patent Product

T-CDQ30/I


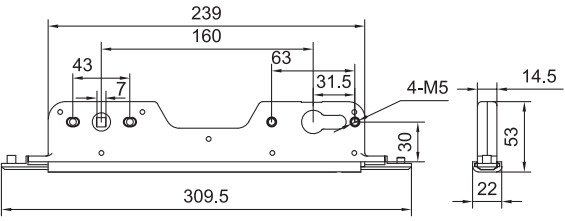
- ◆ Bidirectional transmission.
- ◆ Applicable to T-MZS05, T-MZS05H, MZS06, MZS06H, MZS07, MZS07H door handle and T-MLS003 Door handle.
- ◆ Applicable to T-SXH01 and T-SXH02 series cylinder box.

CDQ26/I


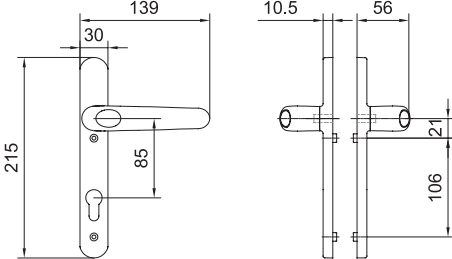

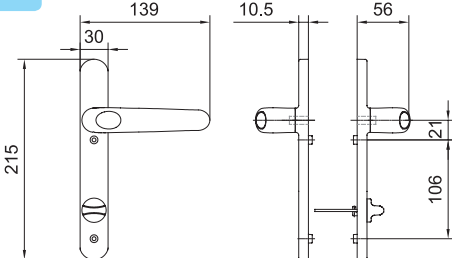


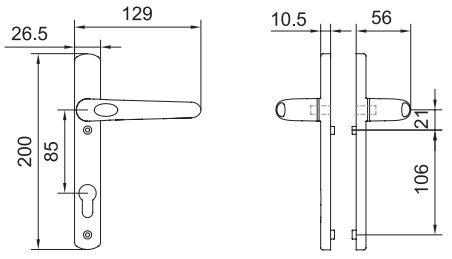

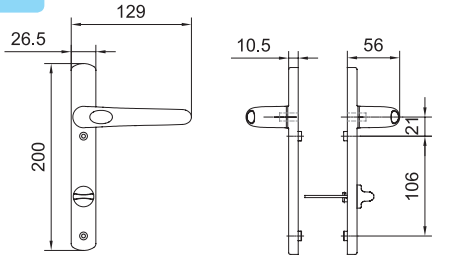

- ◆ Bidirectional transmission
- ◆ Applicable to handle T-MZS05, T-MZS05S, T-MZS05H, MZS06, MZS06S, MZS06H, MZS07, MZS07S, MZS07H

T-CDQ30/II


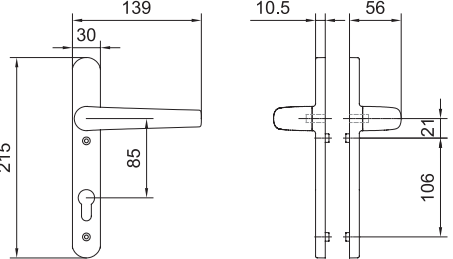

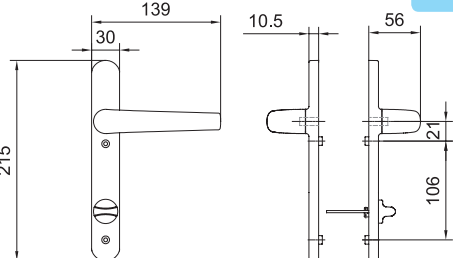


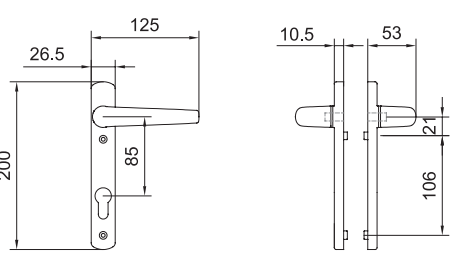

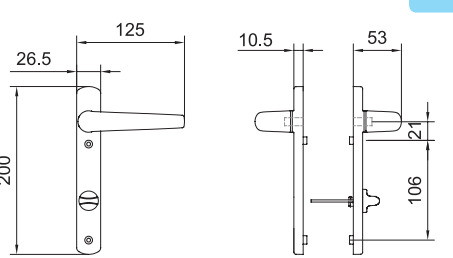




- ◆ Bidirectional transmission
- ◆ Applicable to handle with square steel(7*7)
- ◆ Applicable to T-SXH01, T-SXH02 cylinder box.


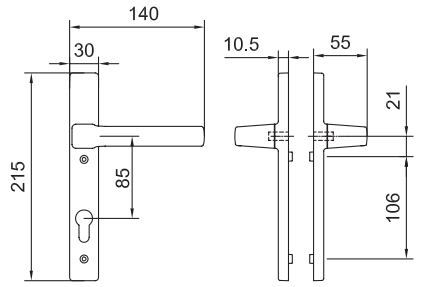

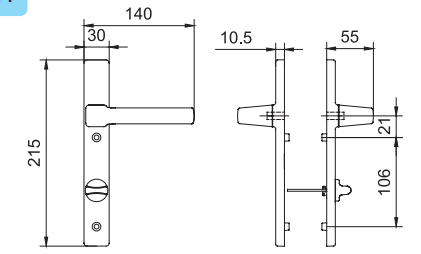


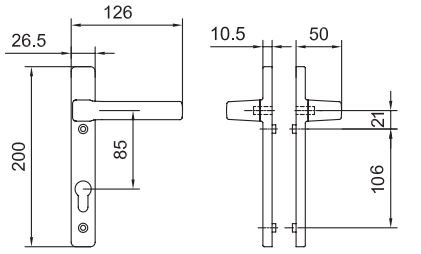

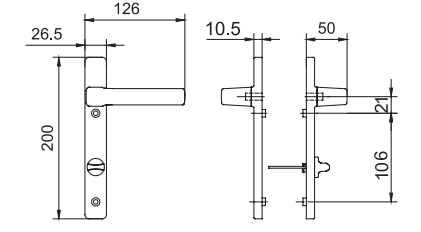

Streamline Door Handle Series

	<p>MZS08</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.
 <p>Patent product</p>	<p>MZS108A/T、MZS108A/H</p>  <p>MZS108A/H Knob</p>  <ul style="list-style-type: none"> ◆ Applicable to JMISC, T-JIMSD, JMS26A/I, JMS26A/II series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm, decreased by the unit of 5mm. (Standard twisting bar length 40、65mm)
	<p>MZS208C</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, EMS, T-MSD series door lock. ◆ The embedded depth of the spindle(8*8) is 15-20mm.
 <p>Patent product</p>	<p>MZS1208C/T、MZS1208C/H</p>  <p>MZS1208C/H Knob</p>  <ul style="list-style-type: none"> ◆ Applicable to JMISC, T-JIMSD, JMS26A/I, JMS26A/II series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm, decreased by the unit of 5mm. (Standard twisting bar length 40、65mm)


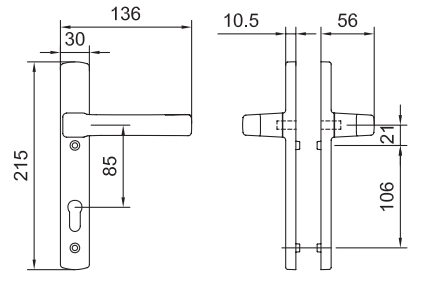

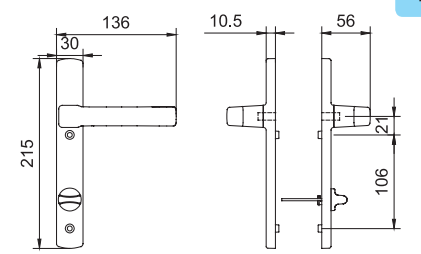


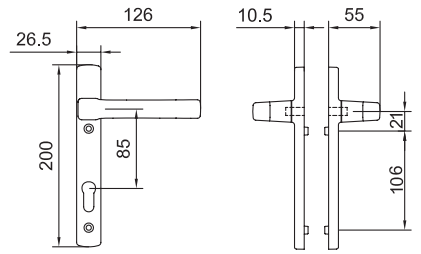

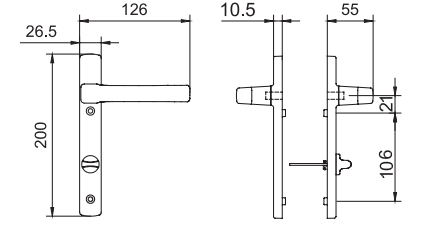

Streamline Door Handle Series

	<p>MZS18</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.
 <p>Patent product</p>	<p>MZS118A/T、MZS118A/H</p>  <p>MZS118A/H Knob</p>  <ul style="list-style-type: none"> ◆ Applicable to JMISC, T-JIMSD, JMS26A/I, JMS26A/II series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm, decreased by the unit of 5mm. (Standard twisting bar length 40、65mm)
	<p>MZS218C</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD, EMS series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.
 <p>Patent product</p>	<p>MZS1218C/T、MZS1218C/H</p>  <p>MZS1218C/H Knob</p>  <ul style="list-style-type: none"> ◆ Applicable to JMISC, T-JIMSD, JMS26A/I, JMS26A/II series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm, decreased by the unit of 5mm. (Standard twisting bar length 40、65mm)


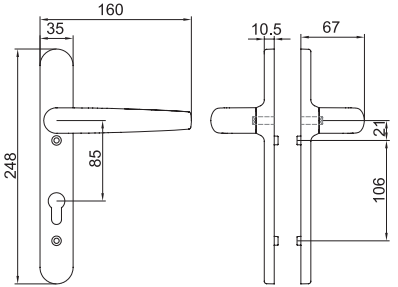

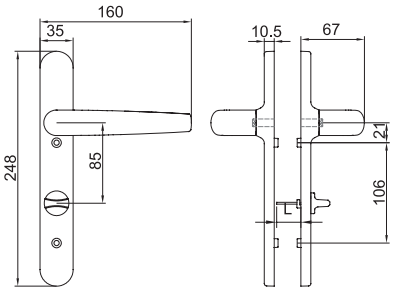


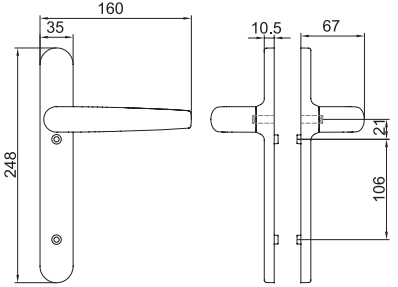
Brief Style Door Handle Series

	<p>MZS20</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.
 <p>Patent product</p>	<p>MZS120A/T、MZS120A/H</p>  <p>MZS120A/H Knob</p>  <ul style="list-style-type: none"> ◆ Applicable to JMISC, T-JIMSD, JMS26A/I, JMS26A/II series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm, decreased by the unit of 5mm. (Standard twisting bar length 40、65mm)
	<p>MZS220C</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, EMS, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.
 <p>Patent product</p>	<p>MZS1220C/T、MZS1220C/H</p>  <p>MZS1220C/H Knob</p>  <ul style="list-style-type: none"> ◆ Applicable to JMISC, T-JIMSD, JMS26A/I, JMS26A/II series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm, decreased by the unit of 5mm. (Standard twisting bar length 40、65mm)

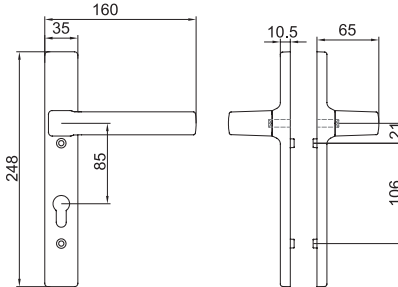

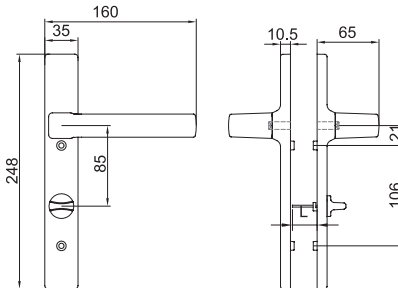


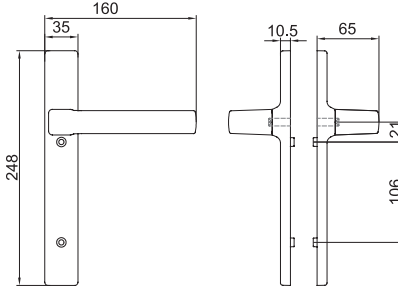

Steady Style Door Handle Series

	<p>MZS22</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.
 <p>Patent product</p>	<p>MZS122A/T、MZS122A/H</p>  <p>MZS122A/H Knob</p>  <ul style="list-style-type: none"> ◆ Applicable to JMISC, T-JIMSD, JMS26A/I, JMS26A/II series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm, decreased by the unit of 5mm. (Standard twisting bar length 40、65mm)
	<p>MZS222C</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, EMS, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.
 <p>Patent Product</p>	<p>MZS1222C/T、MZS1222C/H</p>  <p>MZS1222C/H Knob</p>  <ul style="list-style-type: none"> ◆ Applicable to JMISC, T-JIMSD, JMS26A/I, JMS26A/II series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm, decreased by the unit of 5mm. (Standard twisting bar length 40、65mm)


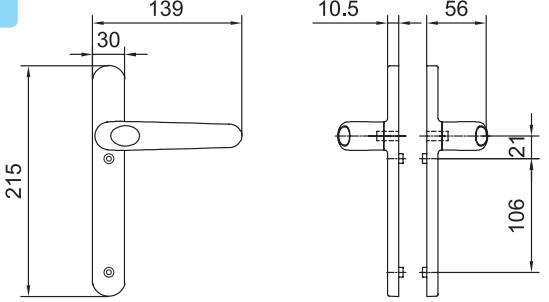

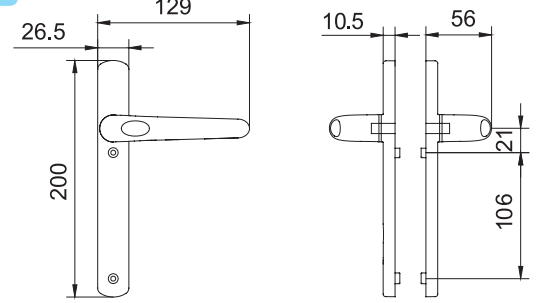

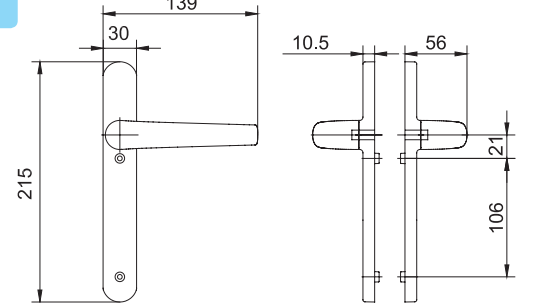

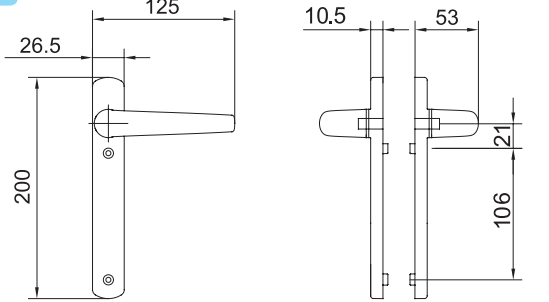
Bearing Type Door Handle Series

 <p>Patented product product introduction is detailed on page 294</p>	<p>T-MZS918</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.
 <p>Patent product</p>	<p>T-MZS1918/T、T-MZS1918/H</p>  <p>T-MZS1918/H Knob</p>  <ul style="list-style-type: none"> ◆ Applicable to JMSC, T-JIMSD, JMS26A/I, JMS26A/II series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm, decreased by the unit of 5mm. (Standard twisting bar length 40、65mm)
 <p>Patent product</p>	<p>T-MZS3918</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.


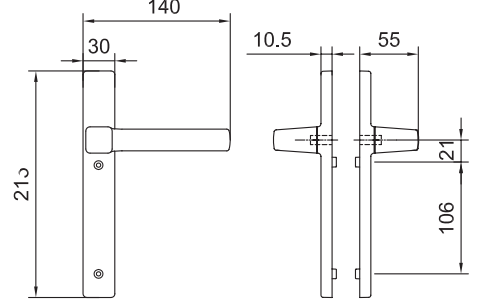

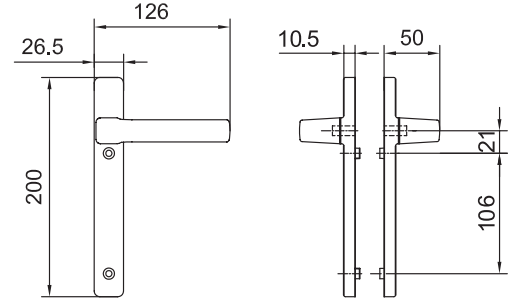

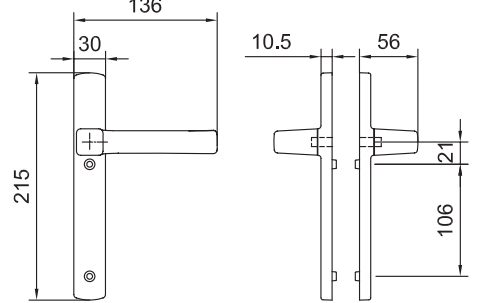

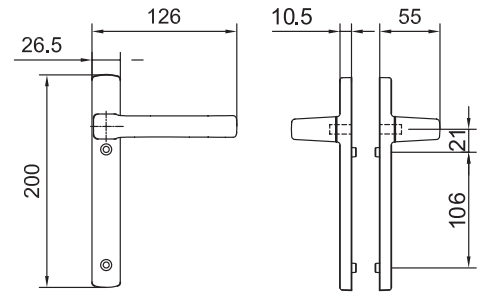
Bearing Type Door Handle Series

 <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm. 	<p>T-MZS920</p>  <p>Patented product product introduction is detailed on page 294</p>
 <ul style="list-style-type: none"> ◆ Applicable to JMSC, T-JIMSD, JMS26A/I, JMS26A/II series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm, decreased by the unit of 5mm. (Standard twisting bar length 40、65mm) 	<p>T-MZS1920/T、T-MZS1920/H</p>  <p>Patent product</p> <p>T-MZS1920/H Knob</p> 
 <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm. 	<p>T-MZS3920</p>  <p>Patent product</p>


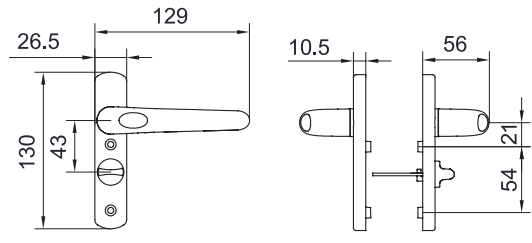




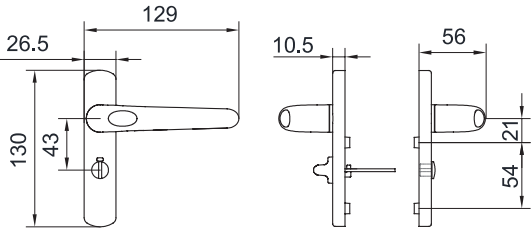




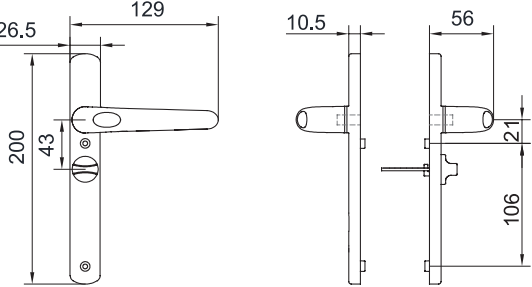



Auxiliary Door Handle Series

	<p>MZS308</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm. ◆ Can be customized to add position limit fitting, after position is limited, it has left&right type.
	<p>MZS3208C</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, EMS, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.
	<p>MZS318</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm. ◆ Can be customized to add position limit fitting, after position is limited, it has left&right type.
	<p>MZS3218C</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, EMS, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.


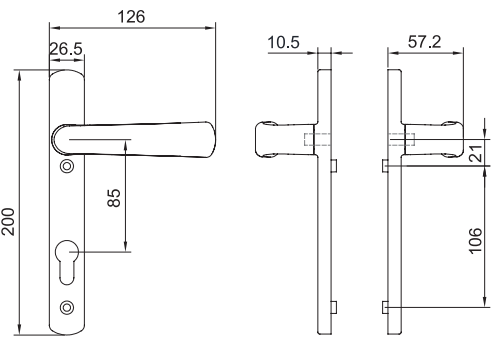
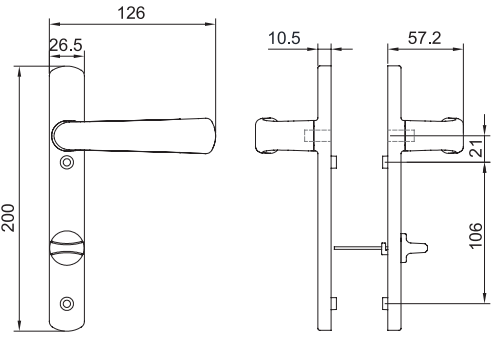


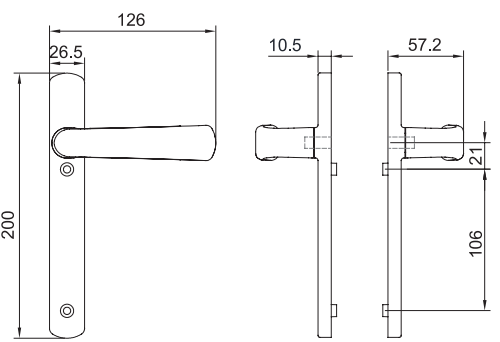

Auxiliary Door Handle Series

	<p>MZS320</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm. ◆ Can be customized to add position limit fitting, after position is limited, it has left&right type.
	<p>MZS3220C</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, EMS, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.
	<p>MZS322</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm. ◆ Can be customized to add position limit fitting, after position is limited, it has left&right type.
	<p>MZS3222C</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, EMS, T-MSD series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm.


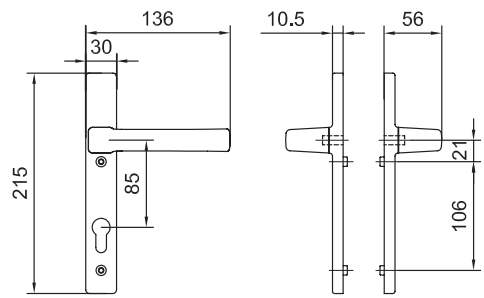

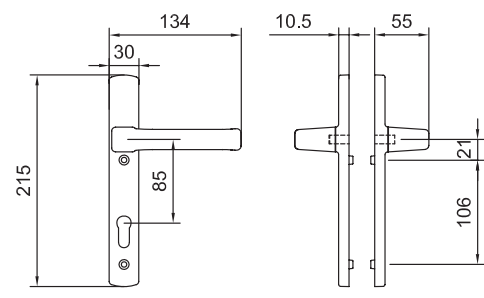

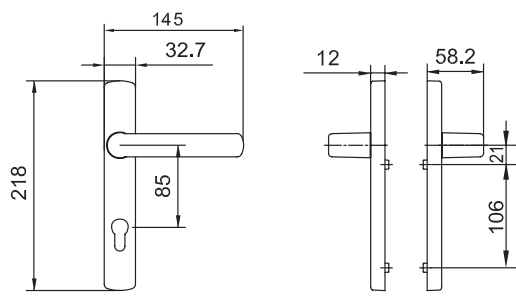
Auxiliary Door Handle Series

 <p>Patent product</p>			<p>MZS408C</p> 
<p>MZS418C</p> 	<p>MZS420C</p> 	<p>MZS422C</p> 	<ul style="list-style-type: none"> ◆ Available in a variety of styles ◆ Applicable to LMS22,LMS28,T-LMS32 series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm,decreased by the unit of 5mm.(Standard twisting bar length 40、65mm) ◆ Suitable for balconies, hallways, etc.
 <p>Patent product</p>			<p>MZS508C</p> 
<p>MZS518C</p> 	<p>MZS520C</p> 	<p>MZS522C</p> 	<ul style="list-style-type: none"> ◆ Available in a variety of styles ◆ Applicable to LMS22,LMS28,T-LMS32 series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm,decreased by the unit of 5mm.(Standard twisting bar length 40、65mm) ◆ Suitable for balconies, hallways, etc.
 <p>Patent product</p>			<p>MZS1408C</p> 
<p>MZS1418C</p> 	<p>MZS1420C</p> 	<p>MZS1422C</p> 	<ul style="list-style-type: none"> ◆ Available in a variety of styles ◆ Applicable to LMS22,LMS28,T-LMS32 series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm,decreased by the unit of 5mm.(Standard twisting bar length 40、65mm) ◆ Suitable for balconies, hallways, etc.


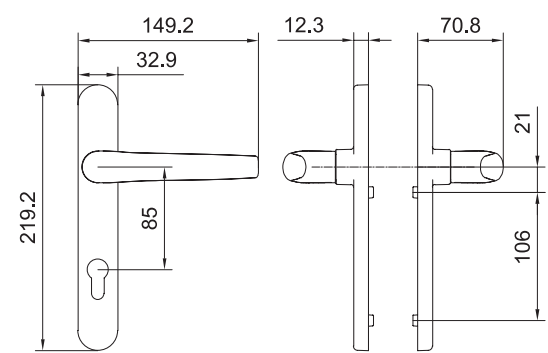

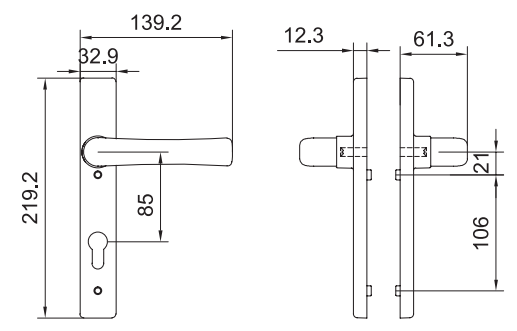
Auxiliary Door Handle Series

	<p>T-MZS226C</p> 	
<ul style="list-style-type: none"> ◆ Applicable to MSA,MSC, T-MSD, EMS series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm. 		
<p>T-MZS1226C/T、 T-MZS1226C/H</p> 		
<ul style="list-style-type: none"> ◆ Applicable to JMCS,T-JIMSD, JMS26A/I,JMS26A/II series door lock ◆ The embedded depth of spindle(8*8) is 15-20mm ◆ Twisting bar length is 20-65mm,decreased by the unit of 5mm. (Standard twisting bar length 40、65mm) 		<p>T-MZS1226C/H 旋钮</p> 
<p>T-MZS3226C</p> 		
<ul style="list-style-type: none"> ◆ Applicable to MSA,MSC,T-MSD,EMS series door lock. ◆ The embedded depth of spindle(8*8) is 15-20mm. 		


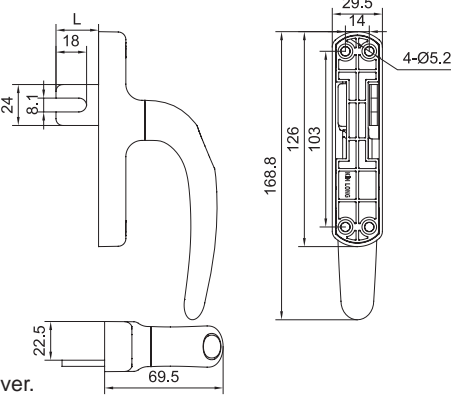

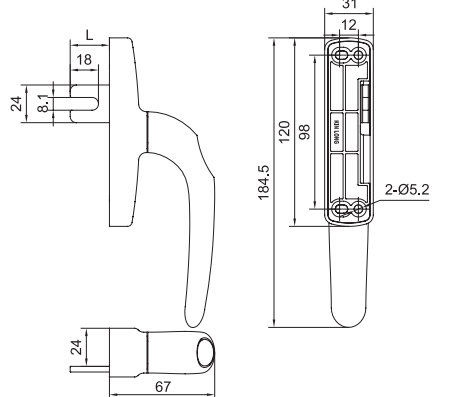

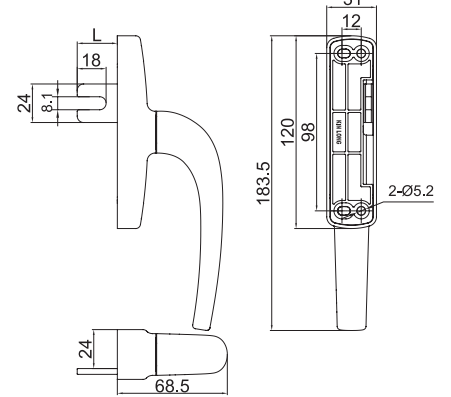

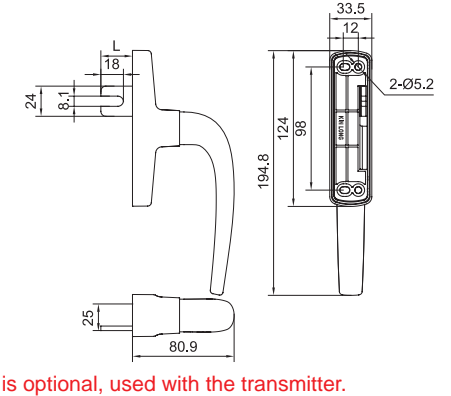
Other Door Handle Series

	<p>MZS19</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of the spindle (8*8) is 15-20mm.
	<p>MZS23</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of the spindle (8*8) is 15-20mm.
	<p>MZS620</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of the spindle (8*8) is 15-20mm.


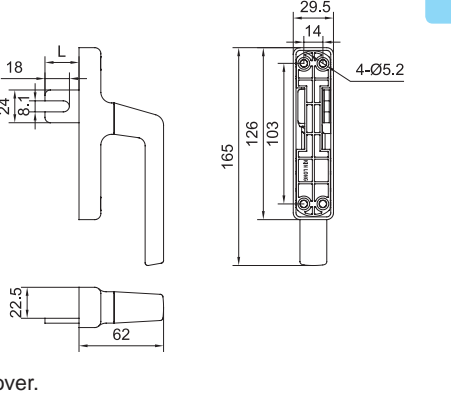

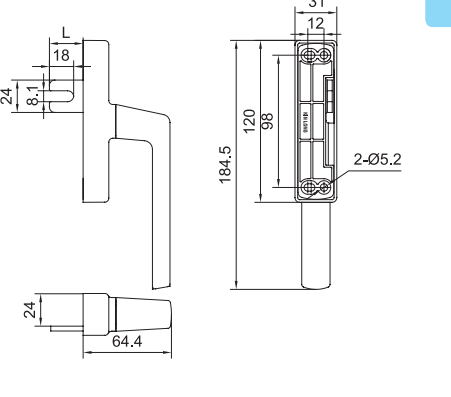

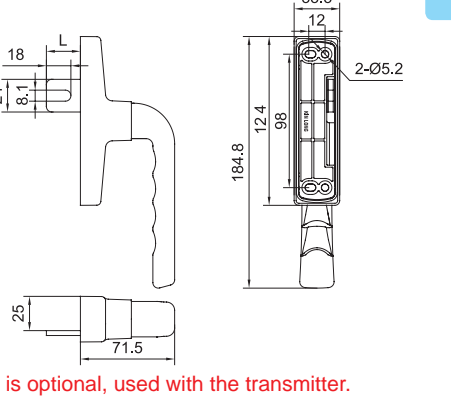

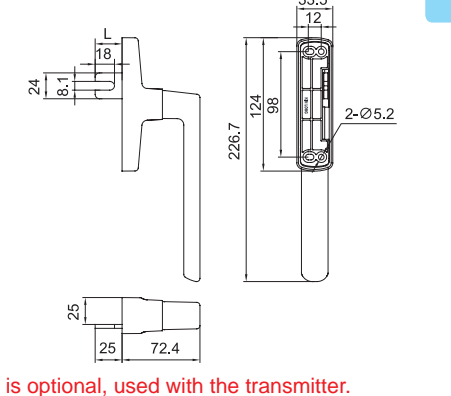
Other Door Handle Series

	<p>MZS818</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of the spindle (8*8) is 15-20mm.
	<p>MZS820</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, T-MSD series door lock. ◆ The embedded depth of the spindle (8*8) is 15-20mm.


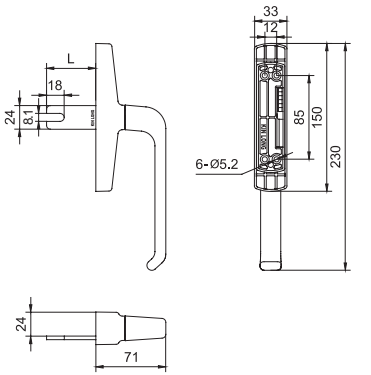

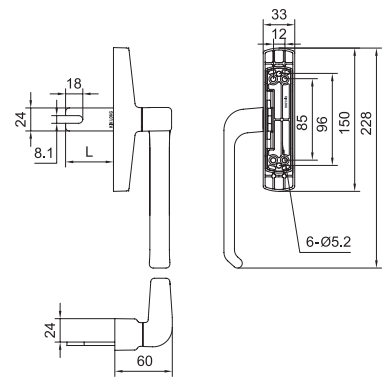

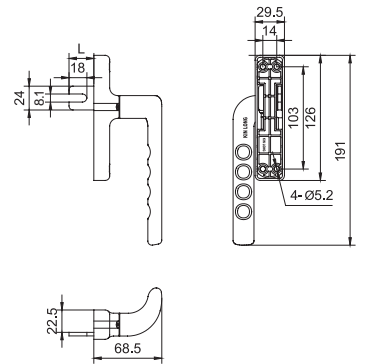

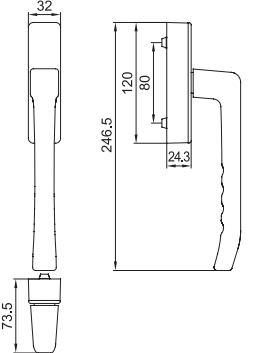
Other Door Handle Series

 <p>Patented product</p>	<p>TZS008</p>  <ul style="list-style-type: none"> ◆ L=25、 50 ◆ Anti-drop cover.
	<p>TZS08</p>  <ul style="list-style-type: none"> ◆ L=25、 50
	<p>TZS18</p>  <ul style="list-style-type: none"> ◆ L=25、 50
 <p>Product introduction refers to page 309.</p>	<p>TZS118</p>  <ul style="list-style-type: none"> ◆ L=25、 50 ◆ 7*7 Spindle is optional, used with the transmitter.

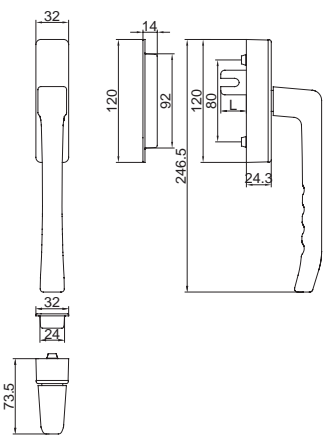

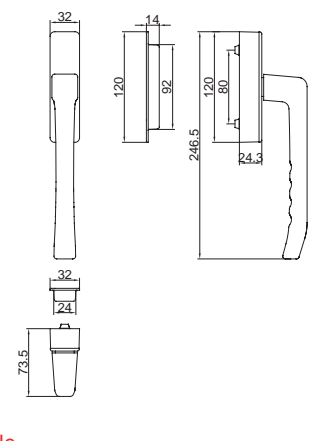

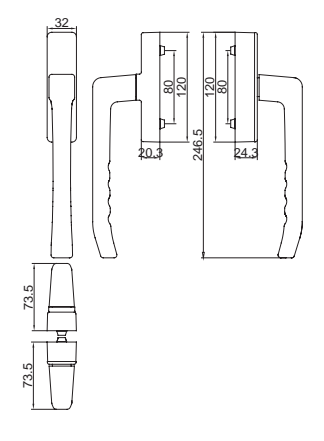

Other Door Handle Series

	<p>TZS020</p>  <ul style="list-style-type: none"> ◆ L=25、 50 ◆ Anti-drop cover.
 <p>Handle bar can be changed into longer one, and product introduction refers to page 309.</p>	<p>TZS20</p>  <ul style="list-style-type: none"> ◆ L=25、 50
 <p>Product introduction refers to page 309.</p>	<p>TZS120</p>  <ul style="list-style-type: none"> ◆ L=25、 50 ◆ 7*7 Spindle is optional, used with the transmitter.
	<p>TZS100</p>  <ul style="list-style-type: none"> ◆ L=25、 50 ◆ 7*7 Spindle is optional, used with the transmitter.

Other Door Handle Series

	<p>TZS223</p>  <ul style="list-style-type: none"> ◆ L=25、 50
	<p>TZS23A</p>  <ul style="list-style-type: none"> ◆ Left&Right ◆ L=25、 50
	<p>TZS220</p>  <ul style="list-style-type: none"> ◆ Left&Right ◆ L=25、 50 ◆ Anti-drop cover.
 <p>Product description of the patent product is onpage 295 of the catalogue.</p>	<p>TZS300A/II</p>  <ul style="list-style-type: none"> ◆ Bearing type handle ◆ 0~180° Positioning, suitable for transmitter TWD100-01/II ◆ The embedded depth of the spindle(10*10) is 12-17mm.

Other Door Handle Series

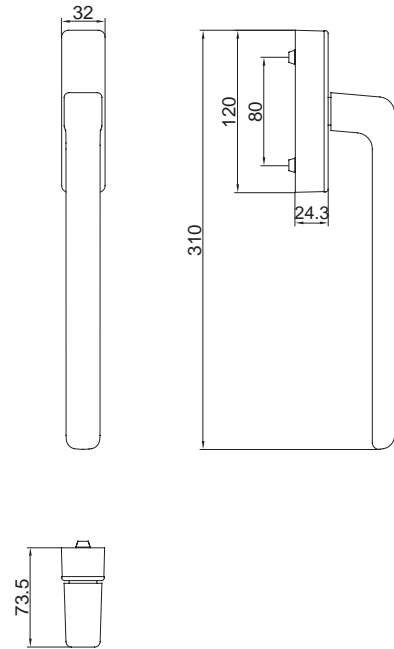
 <ul style="list-style-type: none"> ◆ Bearing type handle ◆ 0~180° Positioning ◆ L=25、 50 	<p>TZS301A/I</p>  <p>Patented product</p>
 <ul style="list-style-type: none"> ◆ Bearing type handle ◆ 0~180° Positioning, suitable for transmitter TWD100-01/I ◆ The embedded depth of the spindle(10*10) is 12-17mm. 	<p>TZS301A/II</p>  <p>Patented product</p>
 <ul style="list-style-type: none"> ◆ Bearing type handle ◆ 0~1a80° Positioning, suitable for transmitter TWD100-01/I ◆ The embedded depth of the spindle(10*10) is 12-17mm. 	<p>TZS302A</p>  <p>Patented product</p>

Other Door Handle Series

TZS310/II



Product description of the patent product is onpage 295 of the catalogue.

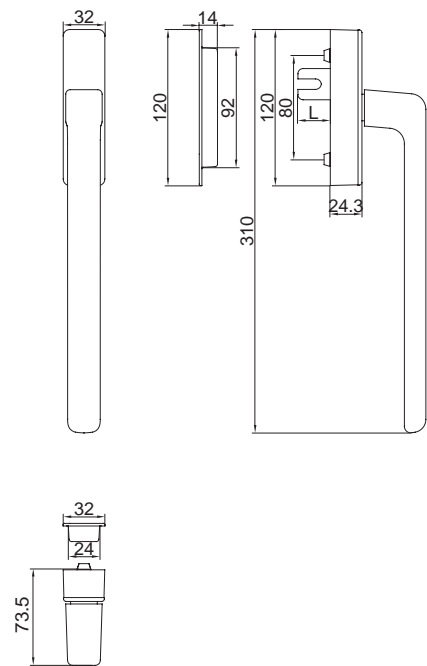


- ◆ Bearing type handle
- ◆ 0~180° Positioning, suitable for transmitter TWD100-01/II
- ◆ The embedded depth of the spindle(10*10) is 12-17mm.

TZS311/I



Patented product



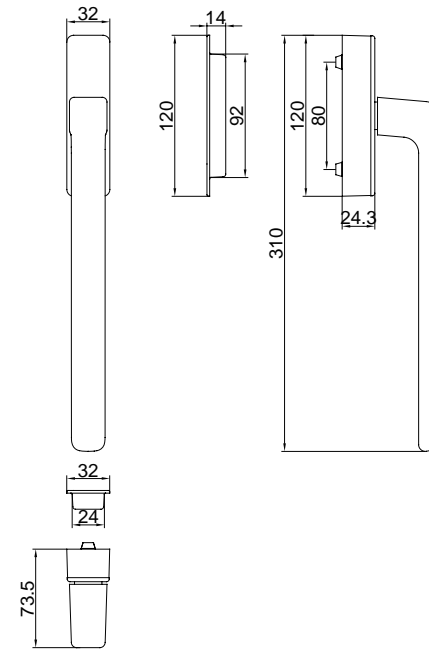
- ◆ Bearing type handle
- ◆ 0~180° Positioning
- ◆ L=25、50

Other Door Handle Series

TZS311/II



Patented product

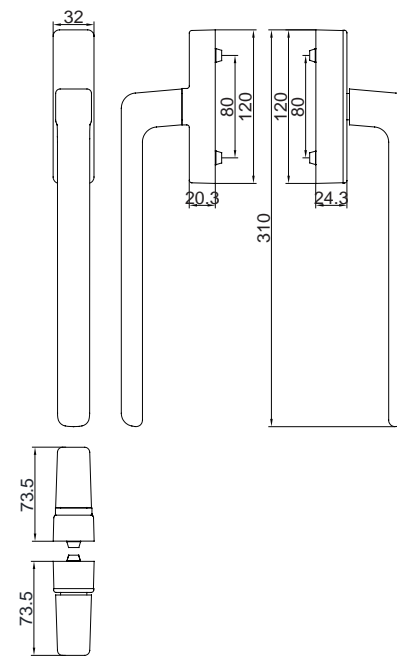


- ◆ Bearing type handle
- ◆ 0~180° positioning, suitable for transmitter TWD100-01/II
- ◆ The embedded depth of the spindle(10*10) is 12-17mm.

TZS312


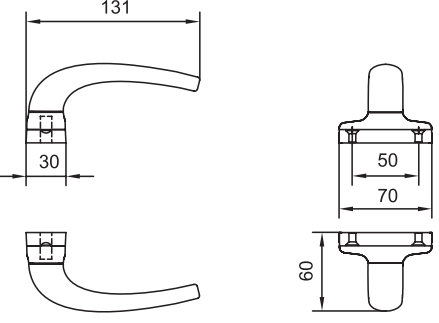

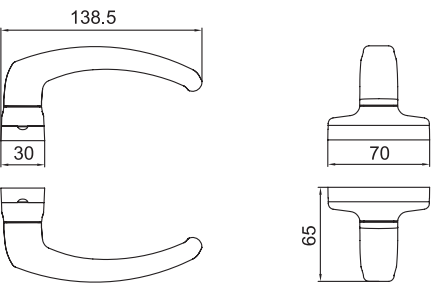

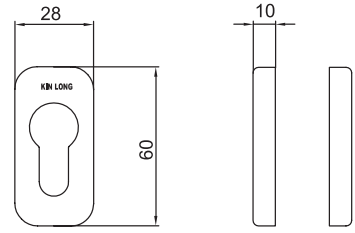

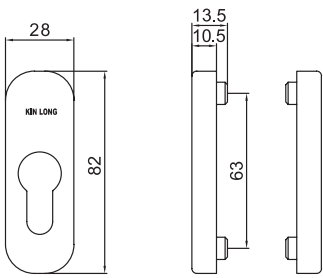


Patented product


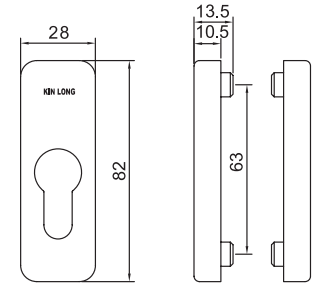
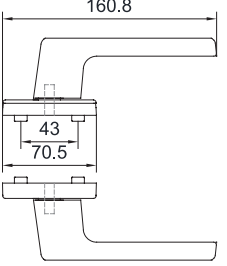
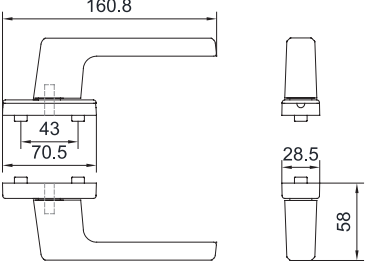
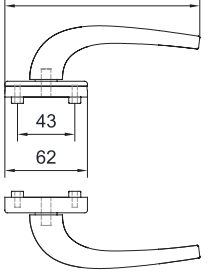
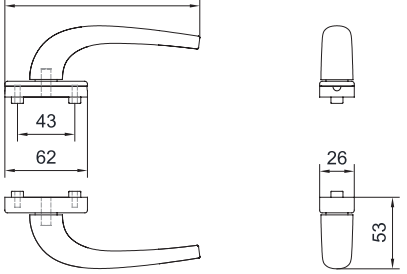
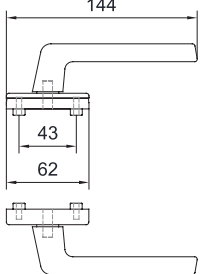
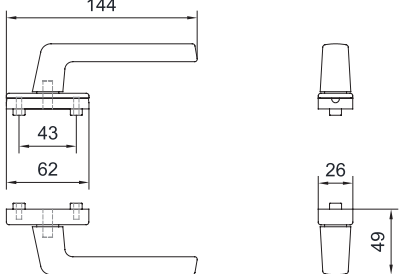


- ◆ Bearing type handle
- ◆ 0~180° Positioning, suitable for transmitter TWD100-01/II
- ◆ The embedded depth of the spindle(10*10) is 12-17mm.


Other Door Handle Series

	<p>MZS60</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, EMS, T-MSD series door lock. ◆ The embeded depth of the spindle(8*8) is 15-20mm.
	<p>MZS61</p>  <ul style="list-style-type: none"> ◆ Applicable to MSA, MSC, EMS, T-MSD series door lock. ◆ The embeded depth of the spindle(8*8) is 15-20mm.
	<p>MZS60-SH</p>  <ul style="list-style-type: none"> ◆ Used with T-MZS05, MZS06, MZS07, T-MZS05H, MZS06H, MZS07H, MZS60, MZS61 series door handle.
	<p>T-SXH01</p>  <ul style="list-style-type: none"> ◆ Used together with door handle T-MZS05, MZS06, MZS07, T-MZS05H, MZS06H, MZS07H. ◆ Matched screw is LD-03-L, length L=sash thickness +(7~11)

Other Door Handle Series


	<p>T-SXH02</p>  <ul style="list-style-type: none"> ◆ Used together with door handle T-MZS05, MZS06, MZS07, T-MZS05H, MZS06H, MZS07H. ◆ Matched screw is LD-03-L, length L=sash thickness +(7~11)
	<p>T-MZS05</p>  <ul style="list-style-type: none"> ◆ Without key, applicable to interior door, like passage, bathroom, etc. ◆ Applicable to transmitter KMS20/I, CDQ26/I, T-CDQ30/I ◆ The embeded depth of the spindle (7*7) is 15-20mm
	<p>MZS06</p>  <ul style="list-style-type: none"> ◆ Without key, applicable to interior door, like passage, bathroom, etc. ◆ Applicable to transmitter KMS20/I, CDQ26/I, T-CDQ30/I ◆ The embeded depth of the spindle (7*7) is 15-20mm
	<p>MZS07</p>  <ul style="list-style-type: none"> ◆ Without key, applicable to interior door, like passage, bathroom, etc. ◆ Applicable to transmitter KMS20/I, CDQ26/I, T-CDQ30/I ◆ The embeded depth of the spindle (7*7) is 15-20mm

T-MZS05S




With lock cylinder, common keys **unlock**

T-MZS05H




Knob controls locking

MZS06S




With lock cylinder, common keys **unlock**

MZS06H




Knob controls locking

MZS07S




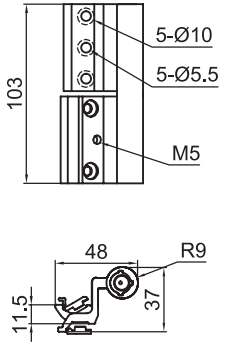

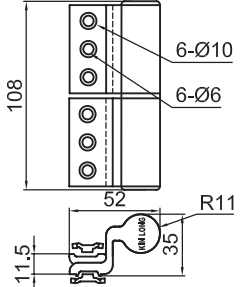

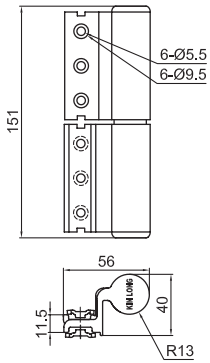

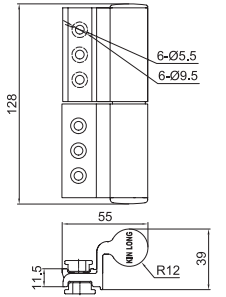
With lock cylinder, common keys **unlock**

MZS07H


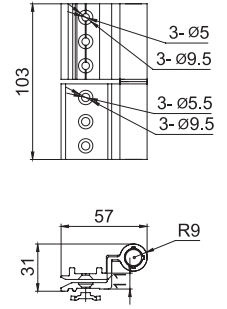

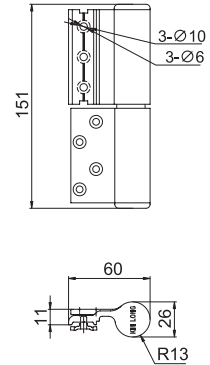

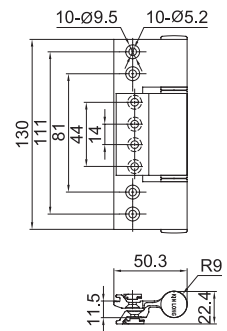

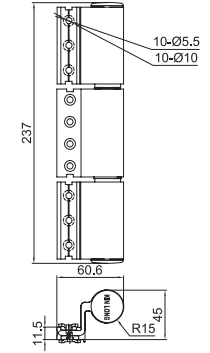


Knob controls locking


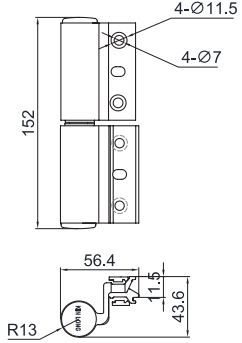

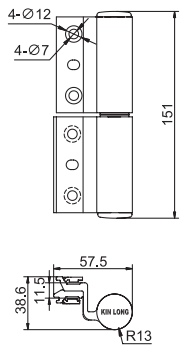

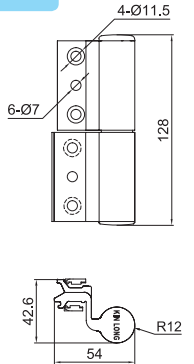

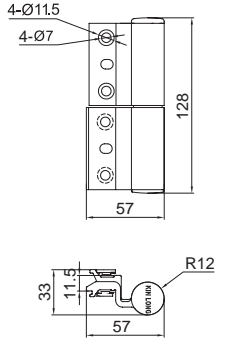
Pivot Hinge Series

	<p>J4</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 3.5-5.0mm. ◆ Maximum bearing capacity is 90Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable. 				
 <p>Note: If the wall thickness is 1.4mm, the installation method is detailed on the page 195.</p>	<p>J5C</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 4.0-5.0mm. ◆ Maximum bearing capacity is 110Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable. 				
 <p>Note: If the wall thickness is 1.4mm, the installation method is detailed on the page 207.</p>	<p>MJ15A</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 4.0-5.0mm. ◆ Maximum bearing capacity is 150Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable. ◆ Separated clamping piece is optional. 				
 <p>Recommended products of building door and window accessories committee</p> <table border="1"> <tr> <td colspan="2">MJ16/II clamp (put into profile groove before profile assembled)</td> </tr> <tr> <td>Frame part clamp J5-8</td> <td>Sash part clamp J5-7</td> </tr> </table>	MJ16/II clamp (put into profile groove before profile assembled)		Frame part clamp J5-8	Sash part clamp J5-7	<p>MJ16/I, MJ16/II</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 4.0-5.0mm. ◆ Maximum bearing capacity is 130Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.
MJ16/II clamp (put into profile groove before profile assembled)					
Frame part clamp J5-8	Sash part clamp J5-7				

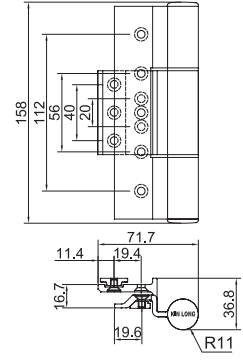

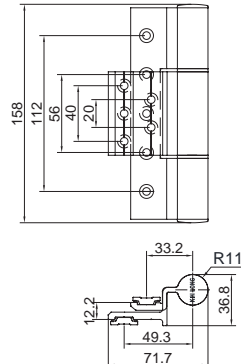

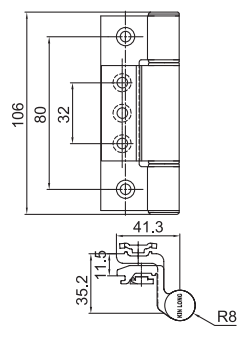

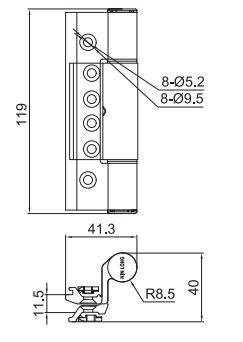

Pivot Hinge Series

	<p>T-MJ09</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door. ◆ Gap between frame and sash needs to be 3.5-5.0mm. ◆ Maximum bearing capacity is 90Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable. ◆ The frame part of hinge are fixed by self-tapping screws, and the sash part of hinge are fixed by clamped in C groove.
	<p>T-MJ19</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door, which frame without groove and sash with C groove. ◆ Maximum bearing capacity is 110Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.
	<p>T-MJ29</p>  <ul style="list-style-type: none"> ◆ Applicable to side hung door. ◆ Maximum bearing capacity is 120Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.
 <p>Product introduction is detailed on page 293.</p>	<p>MJ20</p>  <ul style="list-style-type: none"> ◆ Applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 4.0-5.0mm. ◆ Maximum bearing capacity is 200Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.


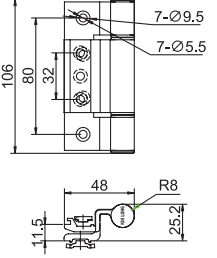

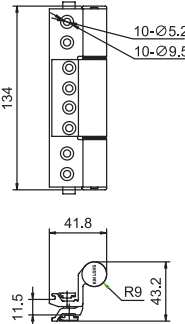

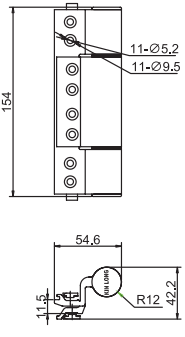

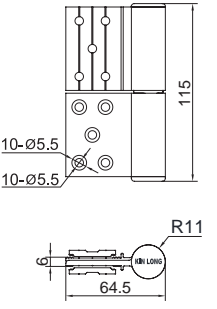
Pivot Hinge Series

 <p>patented product Product introduction is detailed on page 295.</p>	<p>MJ25A</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 4.0-5.0mm. ◆ Maximum bearing capacity is 150Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable. ◆ Bearing type hinge
	<p>T-MJ35</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 3.5-5.0mm. ◆ Maximum bearing capacity is 150Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.
	<p>MJ26</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 3.5-5.0mm. ◆ Maximum bearing capacity is 130Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.
	<p>T-MJ05</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 4.0-5.0mm. ◆ Maximum bearing capacity is 120Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.

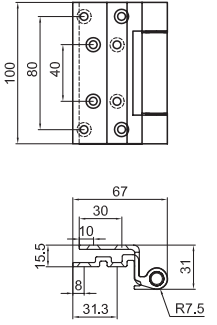

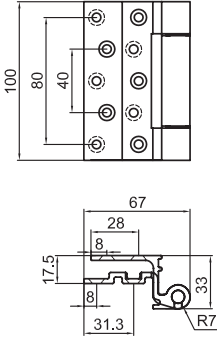

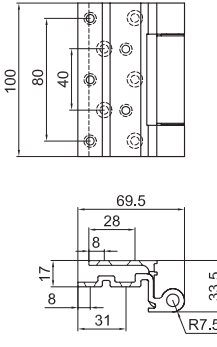

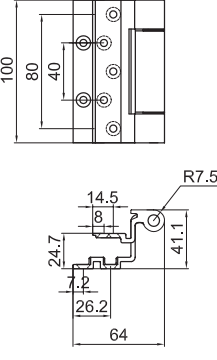

Pivot Hinge Series

	<p>T-MJ06</p>  <ul style="list-style-type: none"> ◆ Applicable to side hung door without groove profile. ◆ Maximum bearing capacity is 100Kg, which is affected by the installation and profile design.
	<p>T-MJ106</p>  <ul style="list-style-type: none"> ◆ Applicable to side hung door ◆ Maximum bearing capacity is 100Kg, which is affected by the installation and profile design.
	<p>T-MJ07</p>  <ul style="list-style-type: none"> ◆ Applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 3.5-5.0mm. ◆ Maximum bearing capacity is 90Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.
	<p>MJ17</p>  <ul style="list-style-type: none"> ◆ Applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 3.5-5.0mm. ◆ Maximum bearing capacity is 110Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.

Pivot Hinge Series

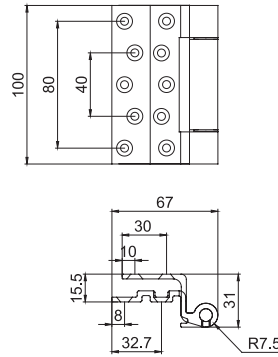
	<p>T-MJ27</p>  <ul style="list-style-type: none"> ◆ Applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 3.5-5.0mm. ◆ Maximum bearing capacity is 90Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.
	<p>T-MJ37</p>  <ul style="list-style-type: none"> ◆ Applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 3.5-5.0mm. ◆ Maximum bearing capacity is 130Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.
	<p>T-MJ57</p>  <ul style="list-style-type: none"> ◆ Applicable to side hung door with standard C groove profile. ◆ Gap between frame and sash needs to be 4.0-5.0mm. ◆ Maximum bearing capacity is 150Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.
	<p>T-YJ001</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door. ◆ Maximum bearing capacity is 120Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.

Pivot Hinge Series

	<p>WK-AB</p> <ul style="list-style-type: none"> ◆ Applicable to side hung door without groove. ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design. 	
	<p>WK-AC</p> <ul style="list-style-type: none"> ◆ Applicable to side hung door without groove. ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design. 	
	<p>WK-AE</p> <ul style="list-style-type: none"> ◆ Applicable to side hung door without groove. ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design. 	
	<p>WK-AF</p> <ul style="list-style-type: none"> ◆ Applicable to side hung door without groove. ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design. 	

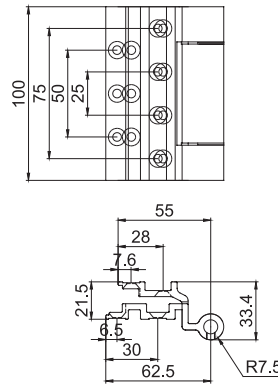
Pivot Hinge Series

WK-AG



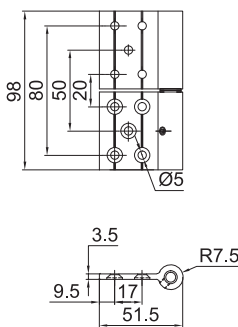
- ◆ Applicable to side hung door without groove.
- ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design.

T-WK-AK



- ◆ Applicable to side hung door without groove.
- ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design.

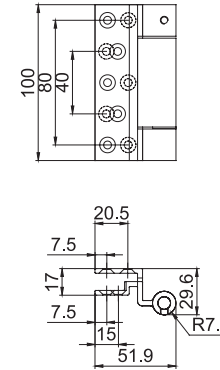
WK-LA



- ◆ **Left & Right**, applicable to side hung door without groove.
- ◆ Maximum bearing capacity is 45Kg, which is affected by the installation and profile design.

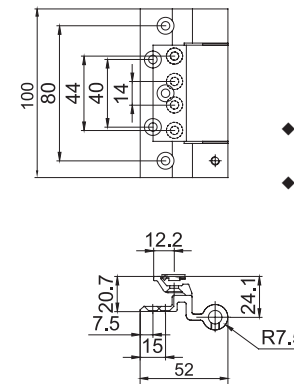
Pivot Hinge Series

T-WK-AM



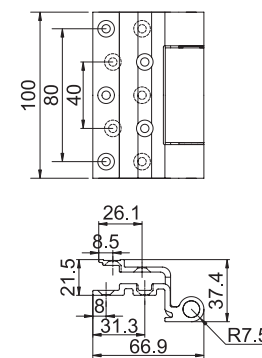
- ◆ Applicable to side hung door without groove.
- ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design.

T-WK-AN



- ◆ Applicable to side hung door with single side C groove.
- ◆ Maximum bearing capacity is 60Kg, which is affected by the installation and profile design.

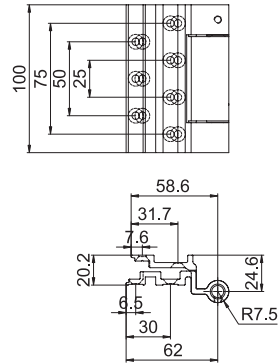
T-WK-AP



- ◆ Applicable to side hung door with single side C groove.
- ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design.

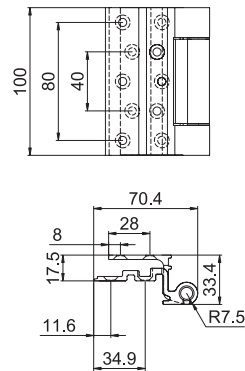
Pivot Hinge Series

T-WK-AQ



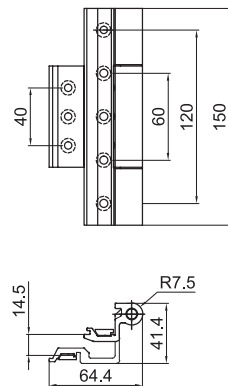
- ◆ Applicable to side hung door without groove.
- ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design.

T-WK-AR



- ◆ Applicable to side hung door without groove.
- ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design.

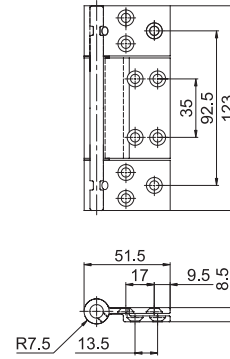
WK-55



- ◆ Applicable to side hung door
- ◆ Maximum bearing capacity is 110Kg, which is affected by the installation and profile design.

Pivot Hinge Series

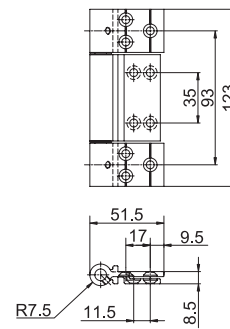
WK-70



- ◆ Applicable to side hung door without groove.
- ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design.



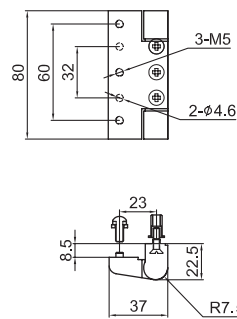
T-WK-71



- ◆ Applicable to side hung door without groove.
- ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design.



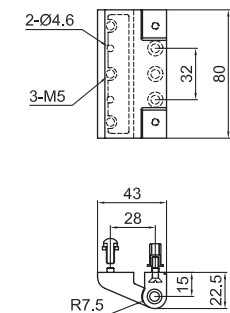
WK-D



- ◆ Applicable to side hung door
- ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design.




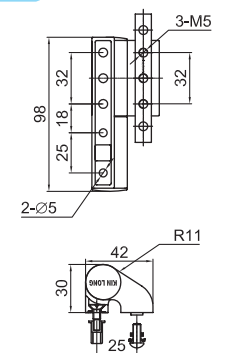

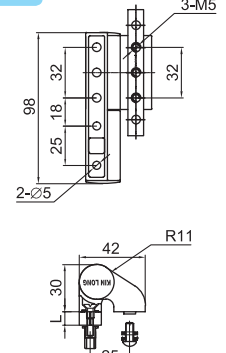
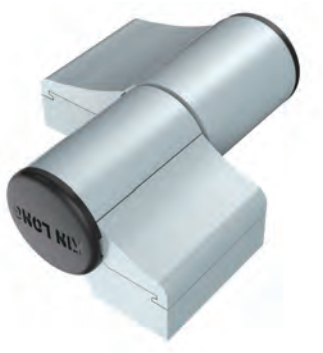
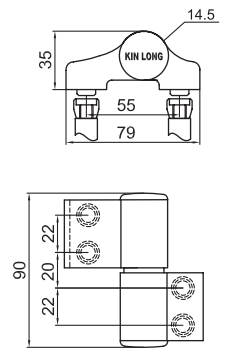

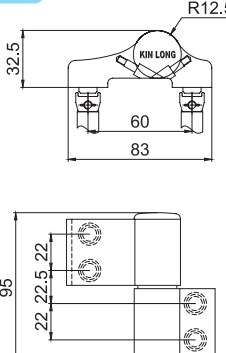
WK-E



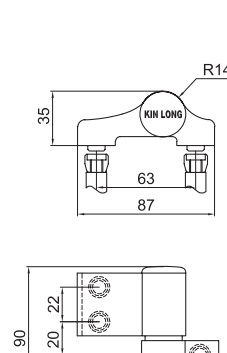

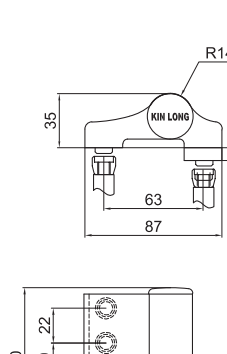

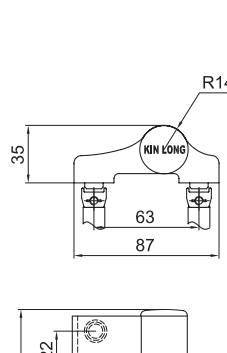

- ◆ Applicable to side hung door
- ◆ Maximum bearing capacity is 55Kg, which is affected by the installation and profile design.



Pivot Hinge Series

	<p>LHD25</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with frame and sash in the same level. ◆ Maximum bearing capacity is 90Kg, which is affected by the installation and profile design.
	<p>LHE25</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with frame and sash 8.0-10.0mm gap. ◆ Maximum bearing capacity is 90Kg, which is affected by the installation and profile design.
 <p>Patented product</p>	<p>LHD55</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with frame and sash in the same level. ◆ Maximum bearing capacity is 180Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.
 <p>Patented product</p>	<p>LHD60</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with frame and sash in the same level. ◆ Maximum bearing capacity is 150Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable.

Pivot Hinge Series

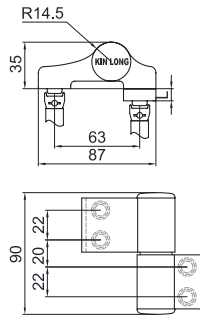
	<p>LHD63</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with frame and sash in the same level. ◆ Maximum bearing capacity is 180Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable. <p>Patented product</p>
	<p>LHE63</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with frame and sash 8.0-10.0mm gap. ◆ Maximum bearing capacity is 180Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable. <p>Patented product</p>
	<p>T-ZC63</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to side hung door with frame and sash in the same level. ◆ Maximum bearing capacity is 180Kg, which is affected by the installation and profile design. ◆ The hinge is eccentrically adjustable. ◆ Bearing type hinge <p>Patented product product introduction is detailed on page 295</p>

Pivot Hinge Series

T-ZC63E



Patented product
product introduction is detailed on page 295

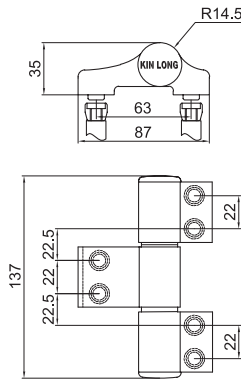


- ◆ **Left & Right**, applicable to side hung door with frame and sash 8.0-10.0mm gap.
- ◆ Maximum bearing capacity is 180Kg, which is affected by the installation and profile design.
- ◆ The hinge is eccentrically adjustable.
- ◆ **Bearing type hinge**

SHD63



Patented product

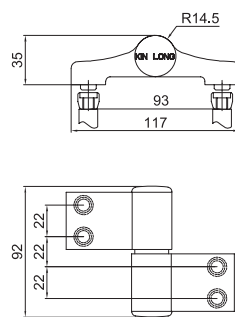


- ◆ Applicable to side hung door with frame and sash in the same level.
- ◆ Maximum bearing capacity is 180Kg, which is affected by the installation and profile design.
- ◆ The hinge is eccentrically adjustable.

LHD93A



Patented product



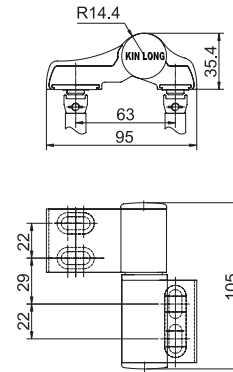
- ◆ **Left & Right**, applicable to side hung door with frame and sash in the same level.
- ◆ Maximum bearing capacity is 180Kg, which is affected by the installation and profile design.
- ◆ The hinge is eccentrically adjustable.

Pivot Hinge Series

T-LWD63

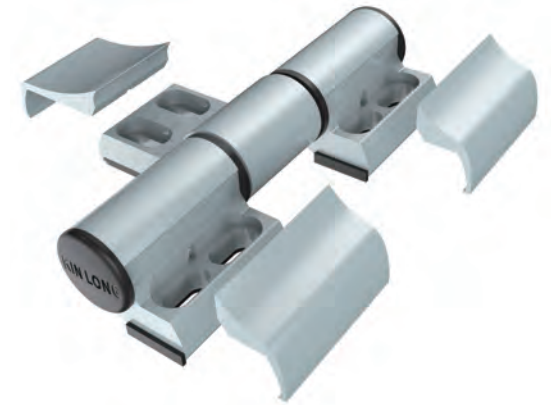


product introduction is detailed on page 300

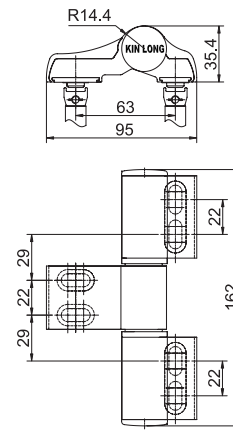


- ◆ **Left & Right**, applicable to side hung door with frame and sash in the same level.
- ◆ Maximum bearing capacity is 150Kg, which is affected by the installation and profile design.
- ◆ The hinge is eccentrically adjustable.

T-SWD63



product introduction is detailed on page 300

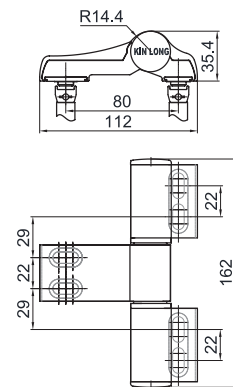


- ◆ Applicable to side hung door with frame and sash in the same level.
- ◆ Maximum bearing capacity is 150Kg, which is affected by the installation and profile design.
- ◆ The hinge is eccentrically adjustable.

T-SWD80


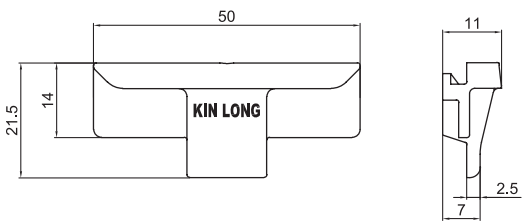

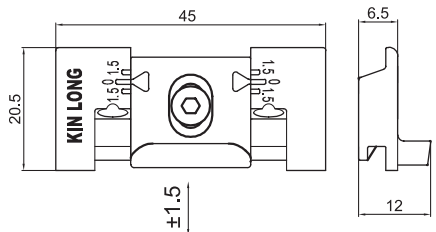

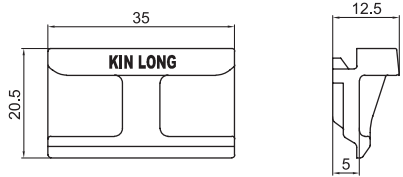


product introduction is detailed on page 300

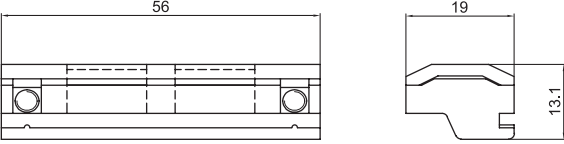
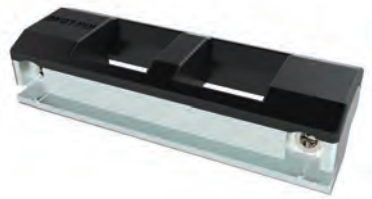
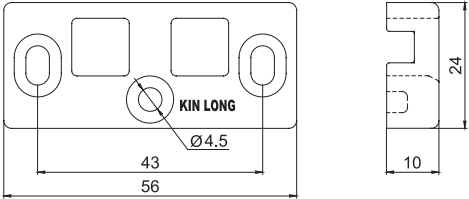
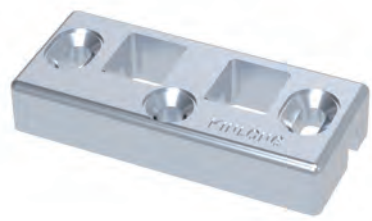
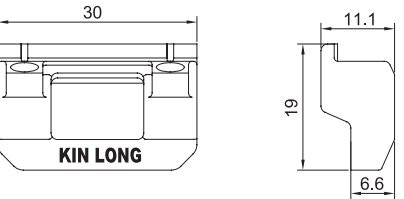

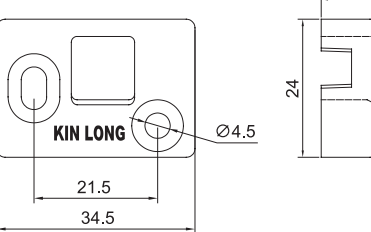



- ◆ Applicable to side hung door with frame and sash in the same level.
- ◆ Maximum bearing capacity is 150Kg, which is affected by the installation and profile design.
- ◆ The hinge is eccentrically adjustable.


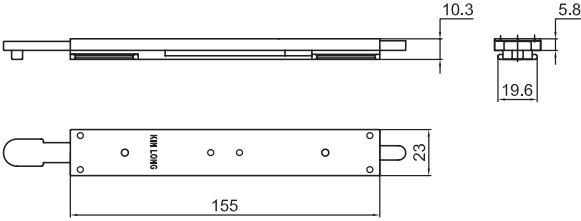

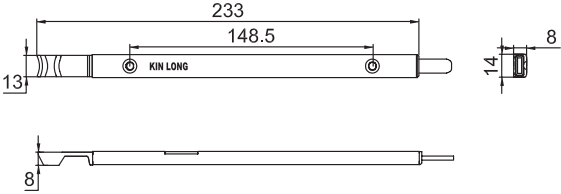

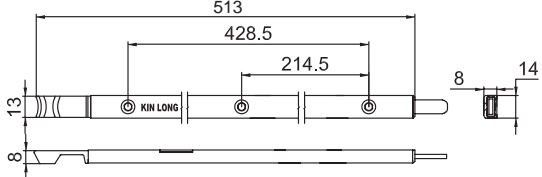

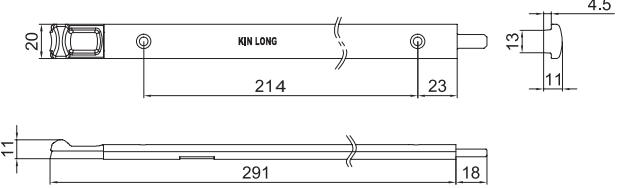
Side Hung Door Locking Plate Series

	<p>SK23A</p> 
	<p>MSK24</p>  <p>◆ Adjustable locking plate</p>
	<p>T-MSK25</p> 


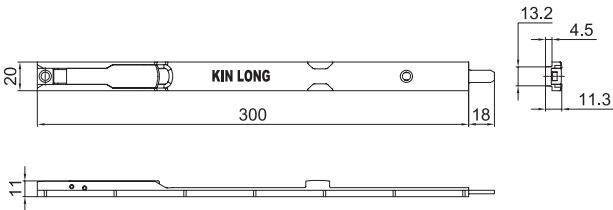

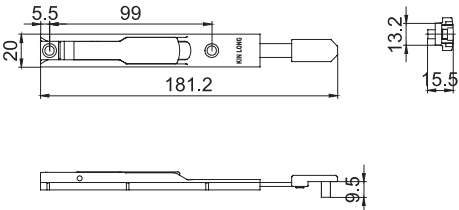

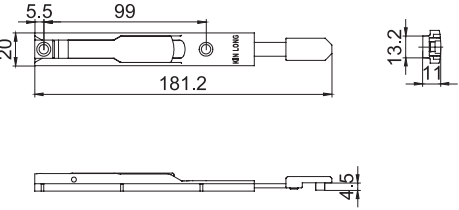

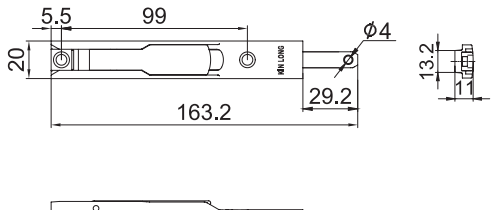
Side Hung Door Locking Plate Series

	<p>SK20</p> 
	<p>SK30A</p> 
	<p>T-MSK120</p> 
	<p>T-MSK130</p> 

Socket Series

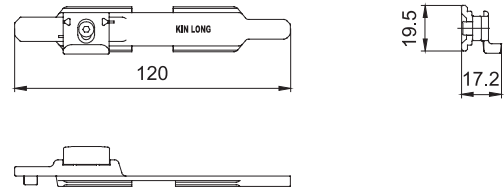
 <p>Patent product</p>	<p>SCQ10</p> 
	<p>SCX220A</p> 
	<p>SCX500A</p> 
	<p>MCX310</p> 

Socket Series

	<p>MCX320A</p> 
	<p>T-MCX160A/I</p>  <ul style="list-style-type: none"> ◆ Split socket, used with T-CXG01. ◆ Applicable to 14, 18 and 15, 20 double-C groove profile.
	<p>T-MCX160A/II</p>  <ul style="list-style-type: none"> ◆ Split socket, used with T-CXG01. ◆ Applicable to 15, 20 single-C groove profile.
	<p>T-MCX160A/III</p> 

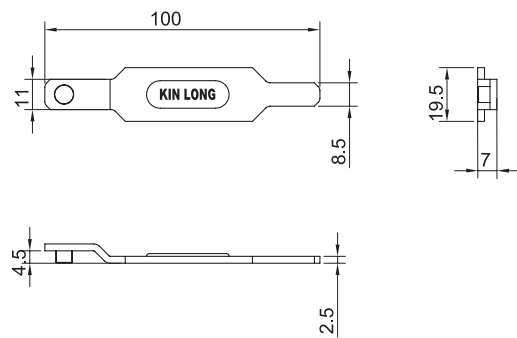
Socket Series

T-CXG01



◆ Match with T-MCX160A/I, T-MCX160A/II split socket rod
Used for 15.20 C groove

T-CXG02



◆ Match with T-MCX160A/I, T-MCX160A/II Split socket rod
Used for 15.20 C groove

T-DM01

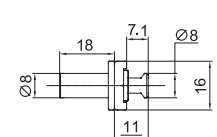
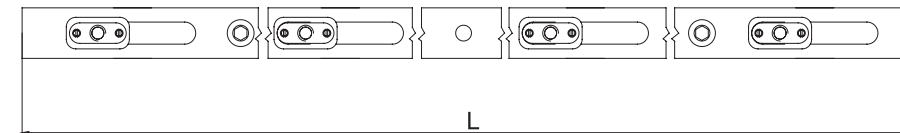


◆ Step stroke 0-40mm
◆ Suitable for swing door leaf positioning and windproof positioning.
◆ It has the characteristics of stepping on and stop-off immediately.

Product introduction is detailed on page 310

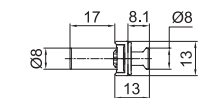
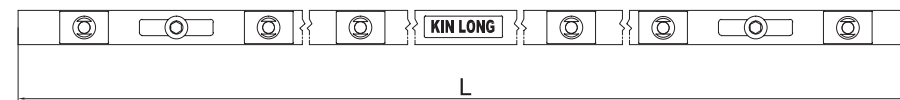
Transmission Rod Series

TLG01-L



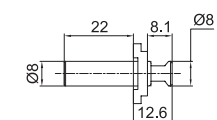
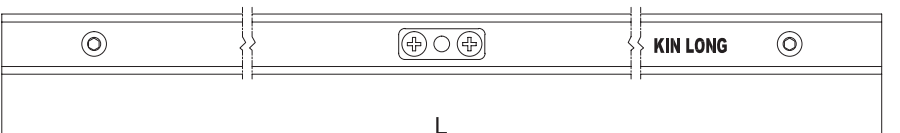
L(mm)
400
500
600
700
800
900
1000
1100
1200

TLG02A-L



L(mm)
600
800
1000
1200
1400
1600

TLG11-L



L(mm)
400
500
600
700
800
900
1000
1100
1200

Transmission Rod Series

TYG01-L

L(mm)	
500	1100
600	1200
700	1300
800	1400
900	1500
1000	1600

TYG05-L

L(mm)	
400	
500	
600	
700	
800	

TCG01-L

L(mm)	
400	
500	
600	
700	
800	
900	
1000	
1100	
1200	

Transmission Rod Series

TCG03-L

L(mm)	
500	
600	
700	
800	


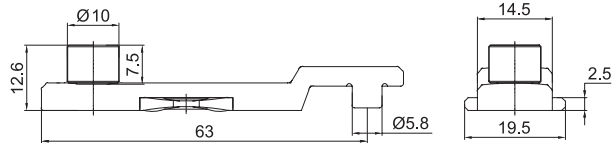

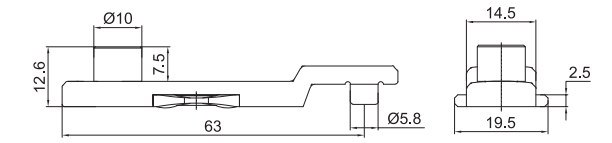
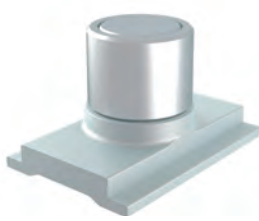
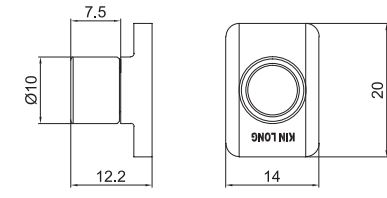
TLG12

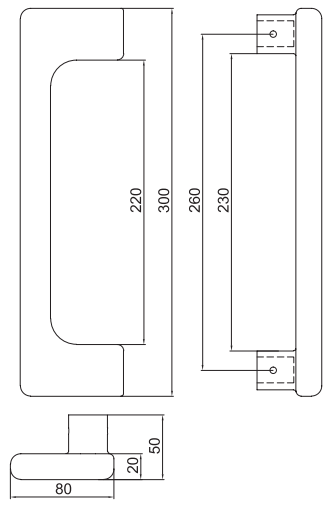

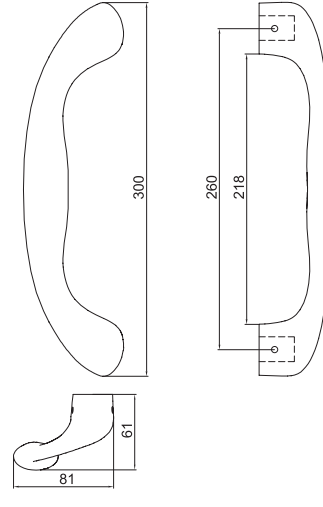

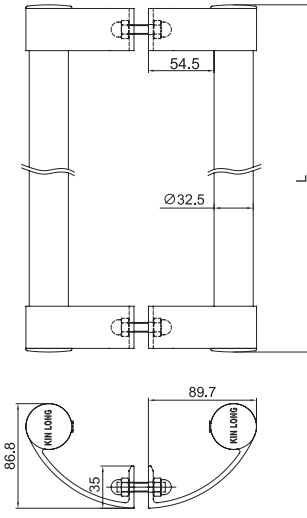

Accessories and quantity	Accessory	Quantity
	TCD55	1
	TSD12	2
	TLG12-05	2

TLG12-05 (Transmission rod)	TSD12 (Active lock point)	TCD55 (Main transmission rod)


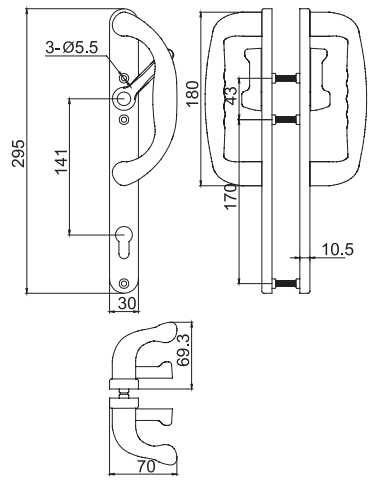

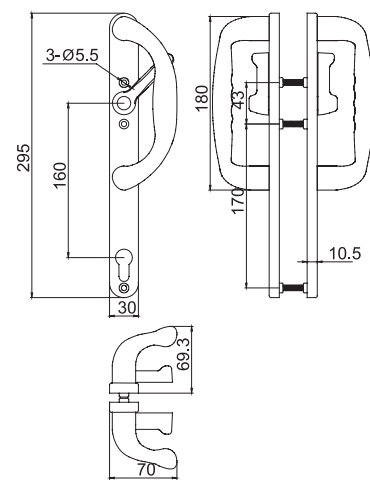

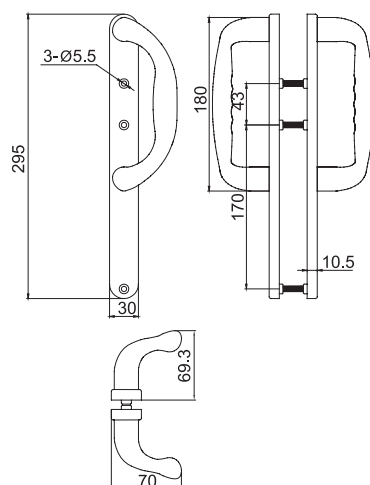
Transmission Rod Series

Handle Series

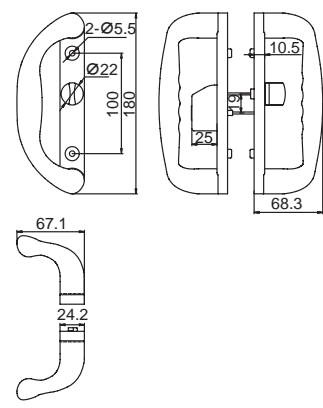

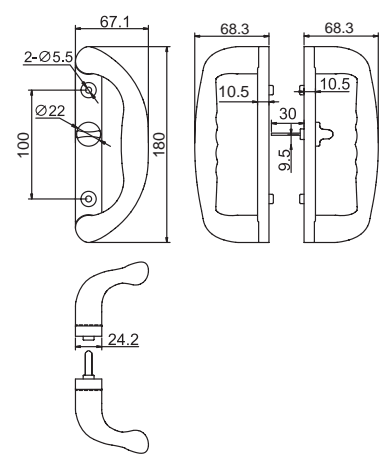

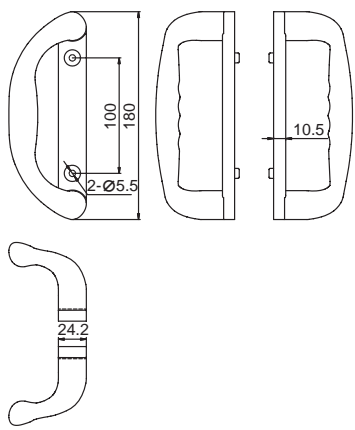

	<p>TCG10</p> 
	<p>TCG11</p> 
	<p>TSD01</p> 

	<p>MLS01</p> 						
	<p>MLS02</p> 						
 <table border="1"> <tr> <td>T-MLS05-L</td> </tr> <tr> <td>L</td> </tr> <tr> <td>400</td> </tr> <tr> <td>600</td> </tr> <tr> <td>800</td> </tr> <tr> <td>1000</td> </tr> </table>	T-MLS05-L	L	400	600	800	1000	<p>T-MLS05</p> 
T-MLS05-L							
L							
400							
600							
800							
1000							


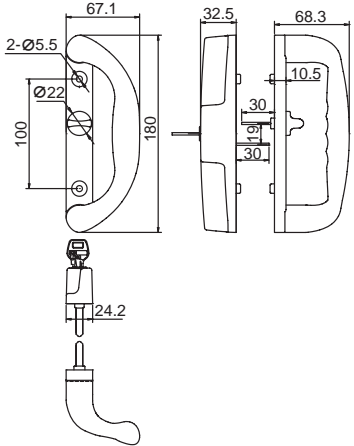

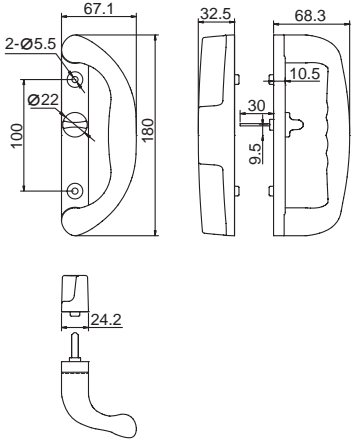

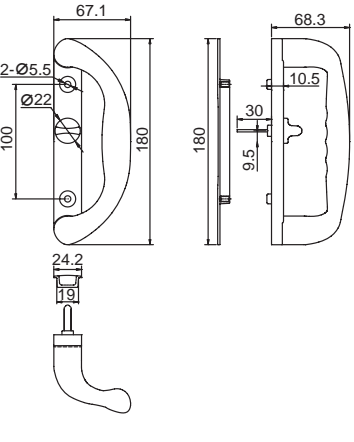
Handle Series Handle

 <p>Product introduction is detailed on page 306.</p>	<p>T-MLS03</p>  <ul style="list-style-type: none"> ◆ Left & right, used with double-hook lock T-SGS14/I, T-SGS14/II. ◆ The embedded square steel(7*7) is 8-11mm
	<p>T-MLS003</p>  <ul style="list-style-type: none"> ◆ Left & right, applicable to transmitter T-CDQ30/I . ◆ The embedded square steel(7*7) is 8-11mm
	<p>T-MLS303</p>  <ul style="list-style-type: none"> ◆ Left & right

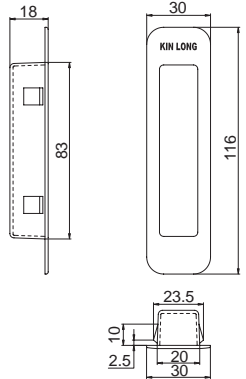

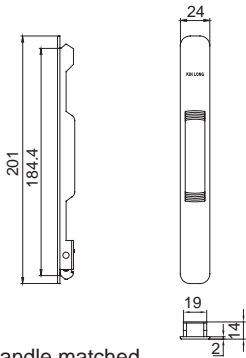

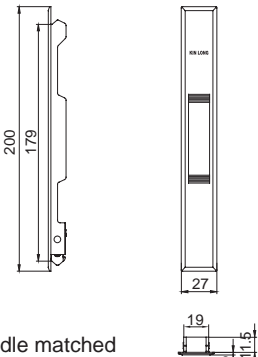
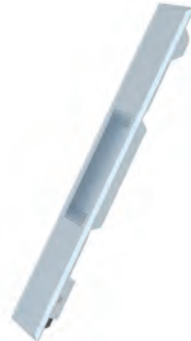
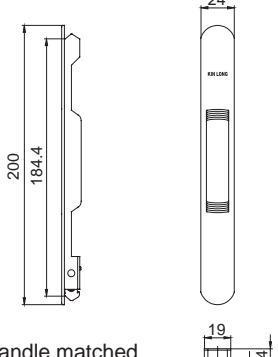

Handle Series Handle

 <ul style="list-style-type: none"> ◆ Left & right, applicable to double-hook lock T-SGS25 ◆ With lock cylinder, Non master Key, the length of flat pin is 30mm ◆ Anti-drop cover 	<p>T-MLS04</p>  <p>Product introduction is detailed on page 305.</p>
 <ul style="list-style-type: none"> ◆ Left & right, applicable to double-hook lock T-SGS25 ◆ The length of flat pin is 30mm ◆ Anti-drop cover 	<p>T-MLS04W</p> 
 <ul style="list-style-type: none"> ◆ Anti-drop cover 	<p>T-MLS304</p> 


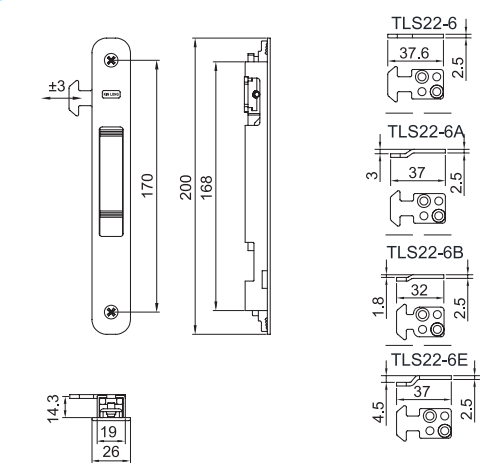

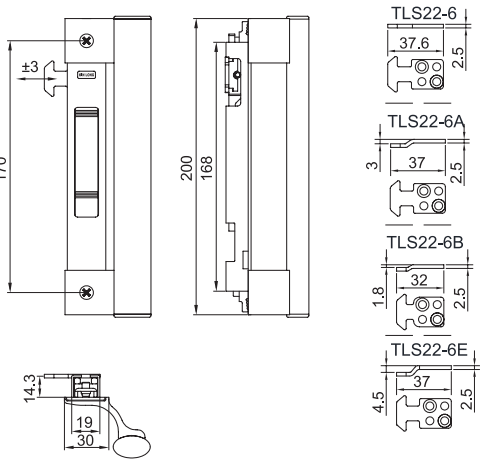

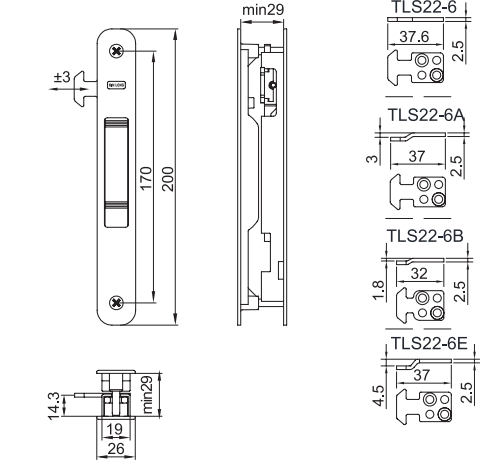
Handle Series

	<p>T-MLS504</p>  <ul style="list-style-type: none"> ◆ Lef t& right, applicable to double-hook lock T-SGS25 ◆ With lock cylinder, Non master Key, the length of flat pin is 30mm ◆ Anti-drop cover
	<p>T-MLS504W</p>  <ul style="list-style-type: none"> ◆ Left & right, applicable to double-hook lock T-SGS25 ◆ The length of flat pin is 30mm ◆ Anti-drop cover
	<p>T-MLS604</p>  <ul style="list-style-type: none"> ◆ Left & right, applicable to double-hook lock T-SGS25 ◆ The length of flat pin is 30mm ◆ Anti-drop cover

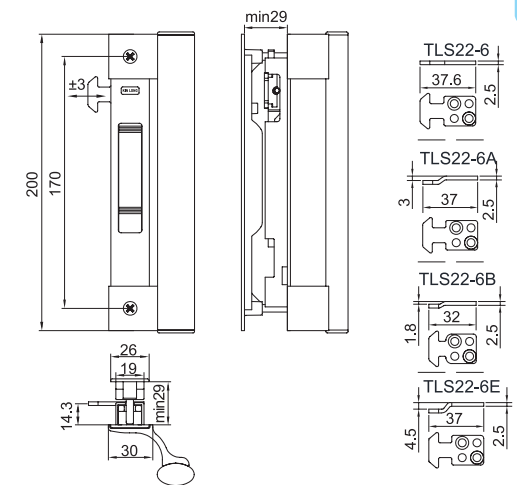

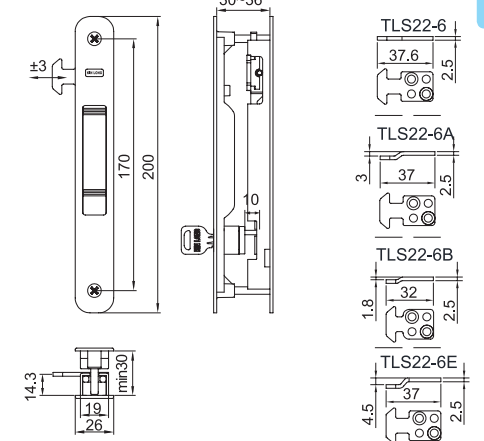

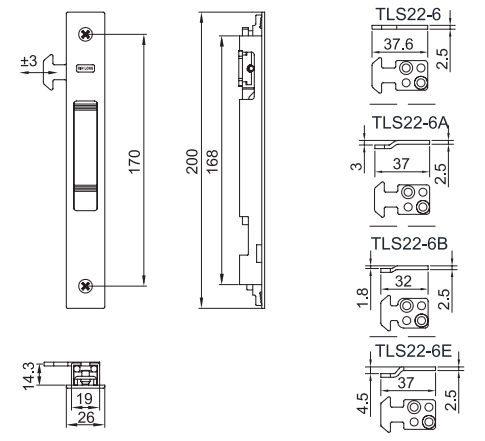

Sliding Handle Series

	<p>TKS01</p>  <p>Product introduction is detailed on page 308.</p>
	<p>TKS02</p>  <p>Product introduction is detailed on page 308.</p>
	<p>TKS03A</p>  <p>Product introduction is detailed on page 308.</p>
	<p>TKS04</p>  <p>Product introduction is detailed on page 308.</p>


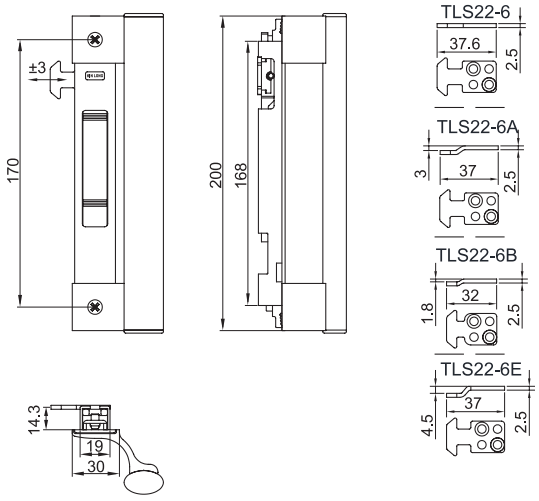

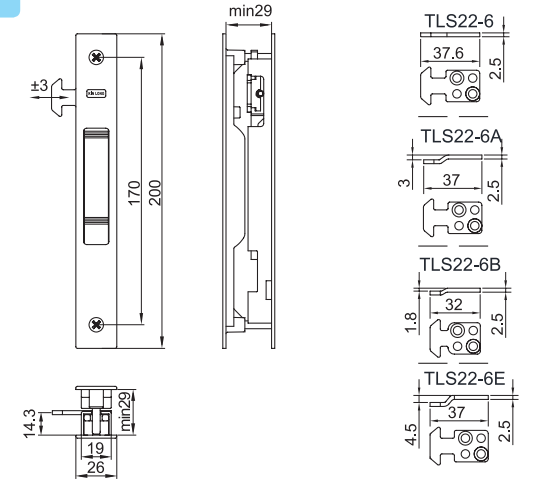

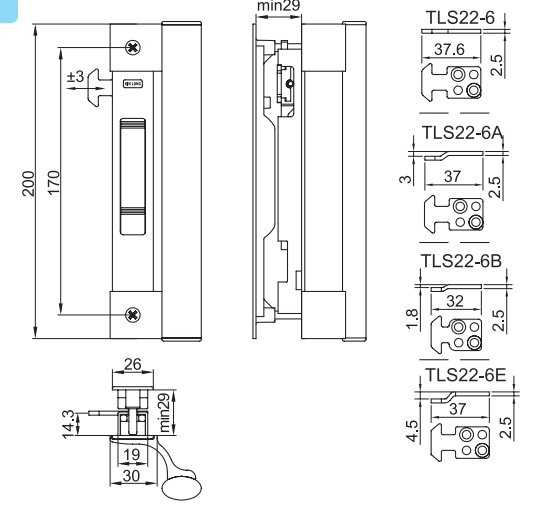
Sliding Lock Series

 <p>Product introduction is detailed on page 302</p>	<p>TLS22/TLS22K</p>  <p> TLS22-6 TLS22-6A TLS22-6B TLS22-6E </p>
 <p>TLS22L02</p>	<p>TLS22L</p>  <p> TLS22-6 TLS22-6A TLS22-6B TLS22-6E </p>
	<p>TLS22H</p>  <p> TLS22-6 TLS22-6A TLS22-6B TLS22-6E </p> <p>◆ The mounting screw size depends on profile thickness.</p>

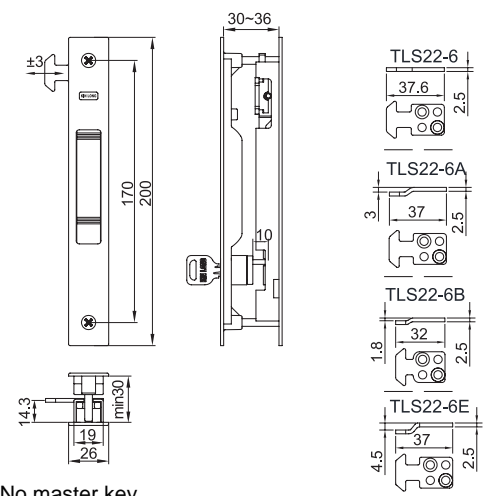

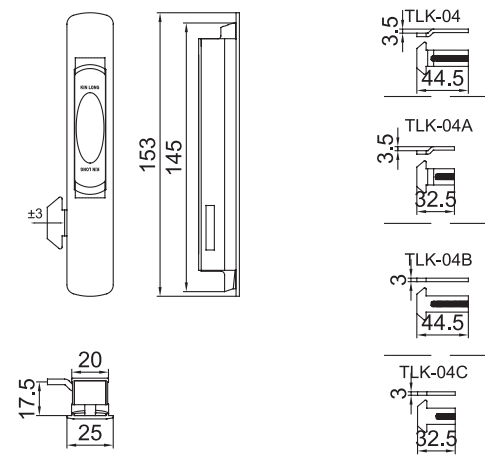

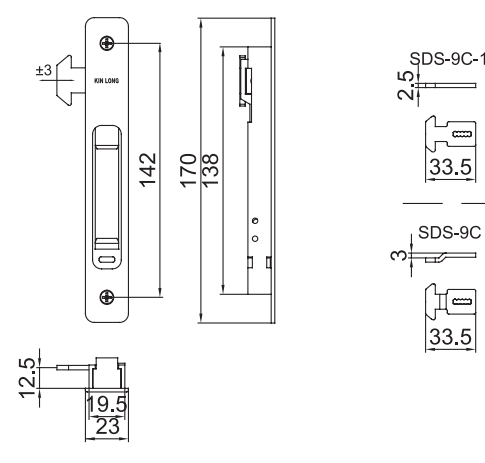

Sliding Lock Series

 <p> TLS22-6 TLS22-6A TLS22-6B TLS22-6E </p> <p>◆ The mounting screw size depends on profile thickness.</p>	<p>TLS22HL</p>  <p>TLS22HL02</p>
 <p> TLS22-6 TLS22-6A TLS22-6B TLS22-6E </p> <p> ◆ No master key ◆ The mounting screw size depends on profile thickness ◆ 30mm ~ 35mm Profile thickness, need to be customized. </p>	<p>TLS22HS</p> 
 <p> TLS22-6 TLS22-6A TLS22-6B TLS22-6E </p>	<p>TLS32/TLS32K</p>  <p>Product introduction is detailed on page 302</p>

Sliding Lock Series

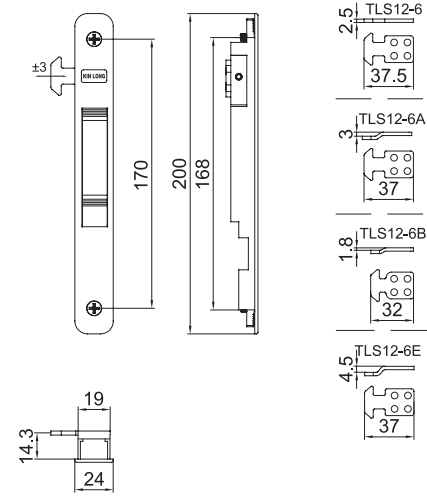
 <p>TLS32L02</p>	<p>TLS32L</p> 
	<p>TLS32H</p>  <p>◆ Choose the screws according to the profile thickness.</p>
 <p>TLS32HL02</p>	<p>TLS32HL</p>  <p>◆ The mounting screw size depends on profile thickness.</p>

Sliding Lock Series

 <p>TLS32HS</p> <ul style="list-style-type: none"> ◆ No master key ◆ The mounting screw size depends on profile thickness ◆ 30mm ~ 35mm Profile thickness, need to be customized. 	
 <p>TLS09</p>	 <p>Patented product</p>
 <p>TLS10/TLS10K</p>	

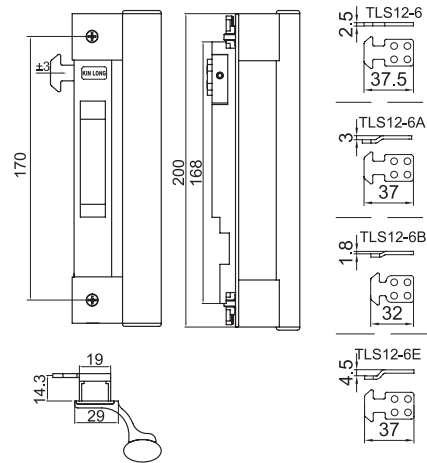
Sliding Lock Series

TLS12/TLS12K

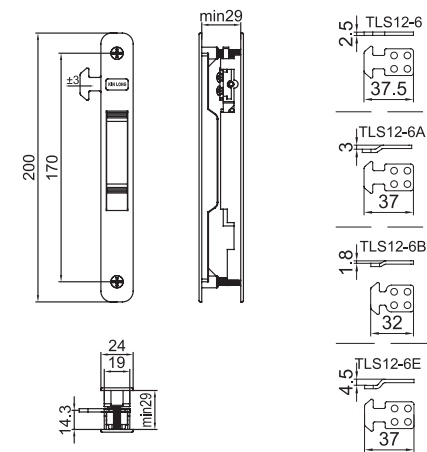


Product introduction is detailed on page 303.

TLS12L



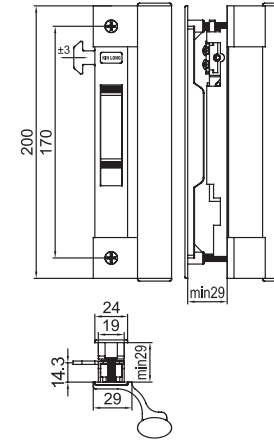
TLS12H



◆ Choose the screws according to the profile thickness.

Sliding Lock Series

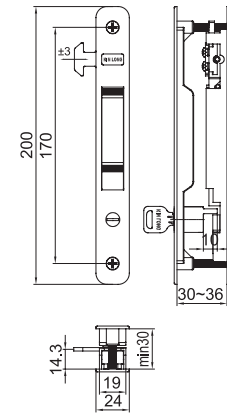
TLS12HL



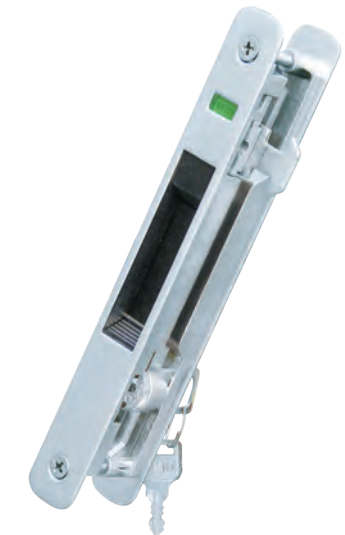
◆ The mounting screw size depends on profile thickness.



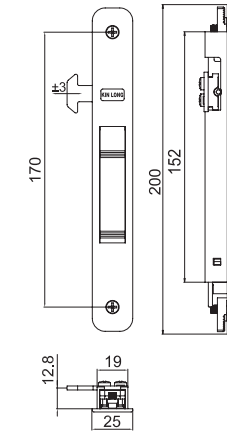
TLS12HS



◆ The mounting screw size depends on profile thickness
 ◆ No master key
 ◆ 30mm ~ 35mm profile thickness, need to be customized.



TLS16/TLS16K


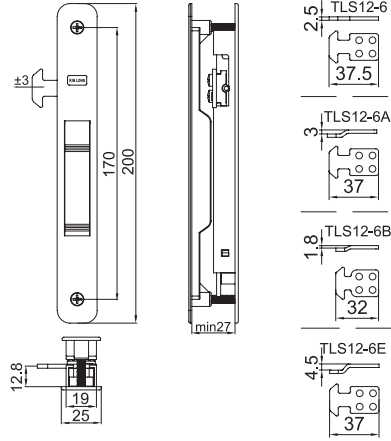

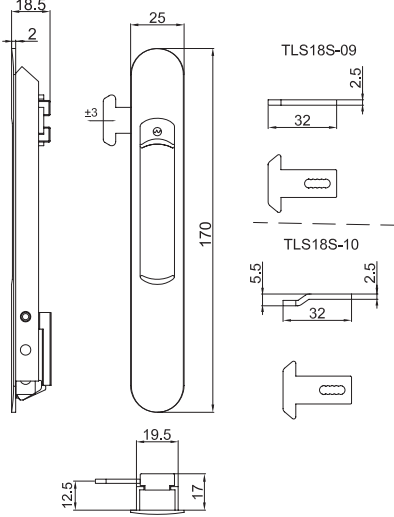

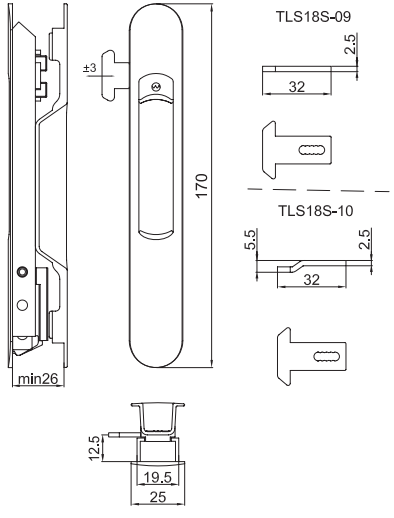


◆ Manual lock with safety buckle

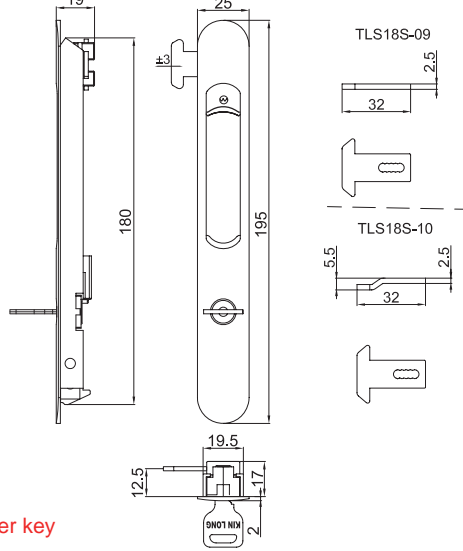

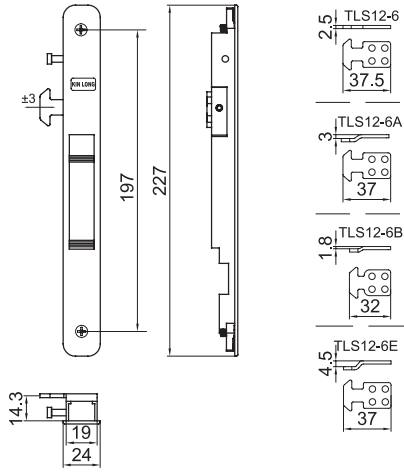

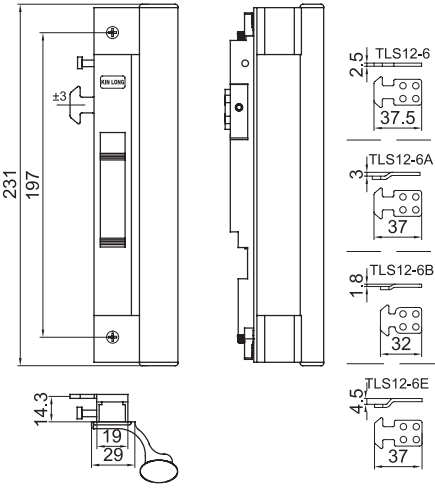



Product introduction is detailed on page 303. Patented product
 ◆ Recommended products of building door and window accessories committee


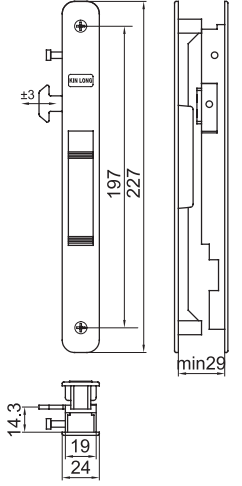
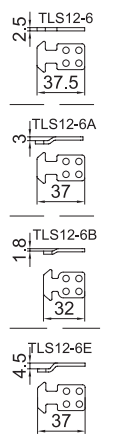

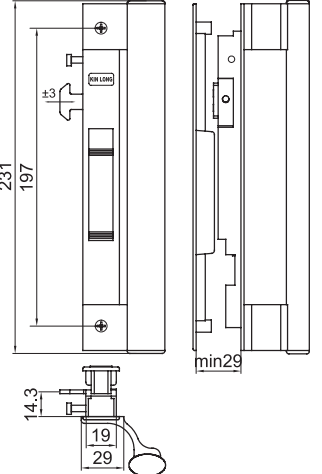
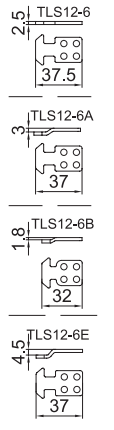

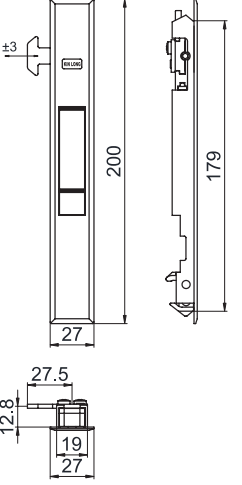
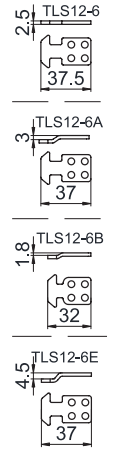
Sliding Lock Series

 <p>Patented Product</p>	<p>TLS16H</p>  <ul style="list-style-type: none"> ◆ The mounting screw size depends on profile thickness ◆ With safety buckle
	<p>TLS18/TLS18K</p> 
	<p>TLS18H</p> 

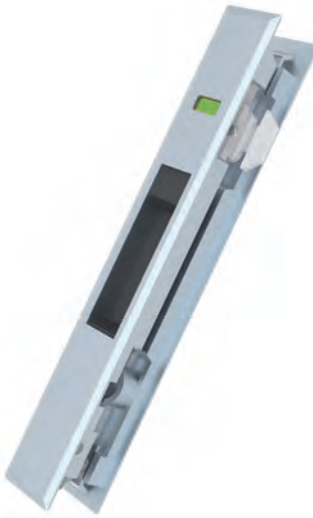
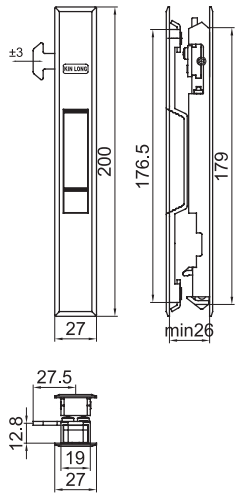
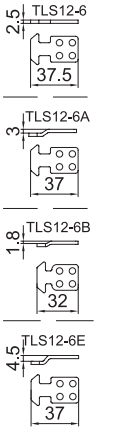

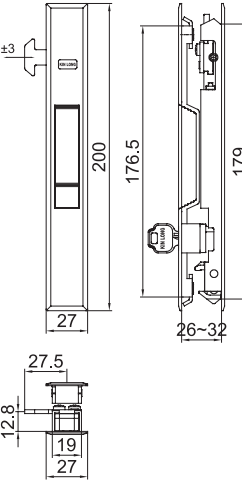
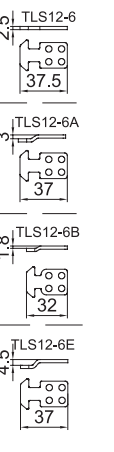

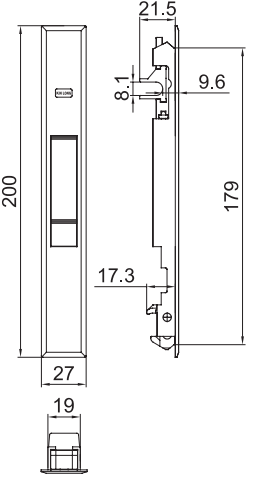
Sliding Lock Series

 <ul style="list-style-type: none"> ◆ Master key 	<p>TLS18S</p> 
 <ul style="list-style-type: none"> ◆ Anti-misoperation sliding lock 	<p>TLS20</p> 
 <ul style="list-style-type: none"> ◆ Anti-misoperation sliding lock 	<p>TLS20L</p> 




Sliding Lock Series

	<p>TLS20H</p>   <ul style="list-style-type: none"> ◆ The mounting screw size depends on profile thickness. ◆ Anti-misoperation sliding lock
	<p>TLS20HL</p>   <ul style="list-style-type: none"> ◆ The mounting screw size depends on profile thickness. ◆ Anti-misoperation sliding lock
	<p>TLS21/TLS21K</p>   <ul style="list-style-type: none"> ◆ Manual lock with safety buckle




Sliding Lock Series

	<p>TLS21H</p>  
	<p>TLS21HS</p>   <ul style="list-style-type: none"> ◆ No master key ◆ 26mm~31mm Profile thickness, need to be customized.
	<p>TLS23</p>  <ul style="list-style-type: none"> ◆ It is recommended to be used with transmission rod TLG11 which for C groove.


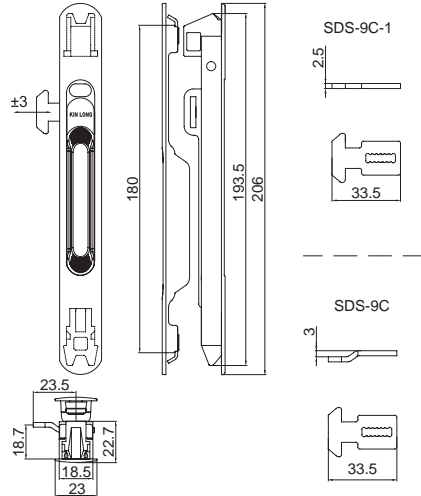

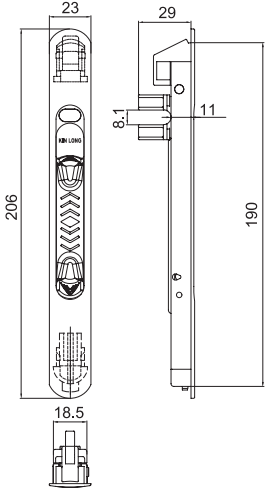

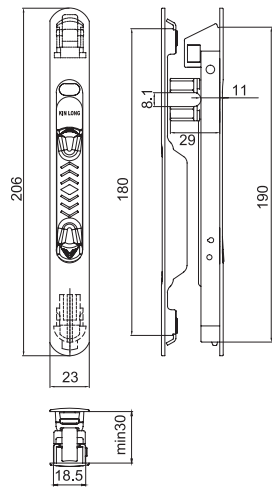
Sliding Lock Series

	<p>TLS23H</p>	<p>◆ It is recommended to be used with transmission rod TLG11 which for C groove.</p>
	<p>TLS23HS</p>	<p>◆ No master key ◆ 26mm ~ 31mm Profile thickness, need to be customized. ◆ It is recommended to be used with transmission rod TLG11 which for C groove.</p>
 <p>Patented product</p> <p>Recommended products of building door and window accessories committee</p>	<p>SDS18/ZDS18</p>	<p>◆ Adjustable sliding lock, hole-drilling error is within ± 2mm.</p>


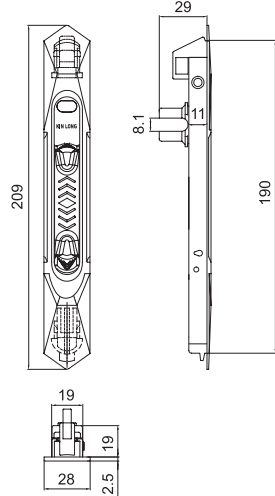

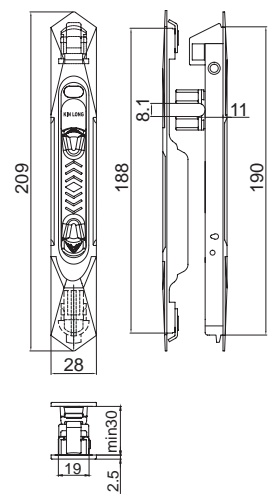

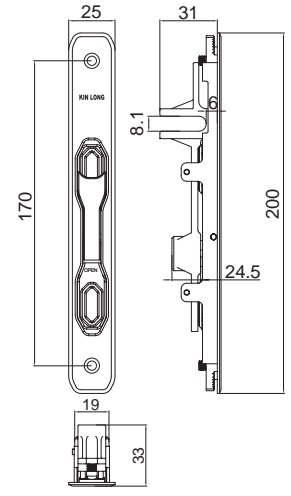
Sliding Lock Series

	<p>SDS10/I, ZDS10/I</p>  <p>Recommended products of building door and window accessories committee</p>
<p>◆ Applicable to profile wall thickness 1.2mm-3.5mm</p>	<p>SDS10/II, ZDS10/II</p> 
	<p>SDS10H/I</p> 

Sliding Lock Series

	<p>SDS10H/II</p>  <p>◆ Applicable to profile wall thickness 1.2mm-3.5mm</p>
	<p>SDS11</p>  <p>◆ It is recommended to be used with transmission rod TLG11 which for C groove.</p>
	<p>SDS11H</p>  <p>◆ It is recommended to be used with transmission rod TLG11 which for C groove.</p>


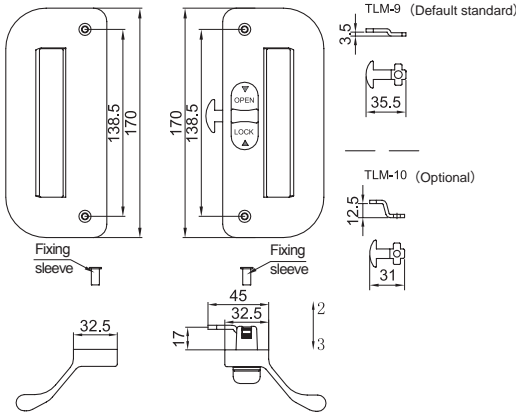
Sliding Lock Series

	<p>SDS12</p>  <p>◆ It is recommended to be used with transmission rod TLG11 which for C groove.</p>
	<p>SDS12HA</p>  <p>◆ It is recommended to be used with transmission rod TLG11 which for C groove.</p>
	<p>TLS30</p>  <p>◆ It is recommended to be used with transmission rod TLG11 which for C groove.</p>

Sliding Lock Series


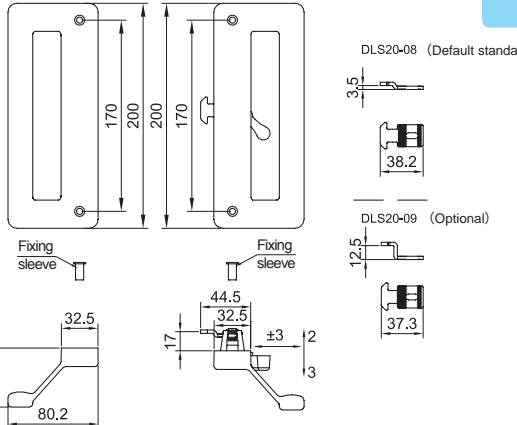
Sliding Lock Series

DLS10

- ◆ **Left & right**, the mounting screw size depends on profile thickness.
- ◆ Use the fixing sleeve to fix the handle when only single side handle to be chosen.
- ◆ The lock hook position is adjustable, up and down.


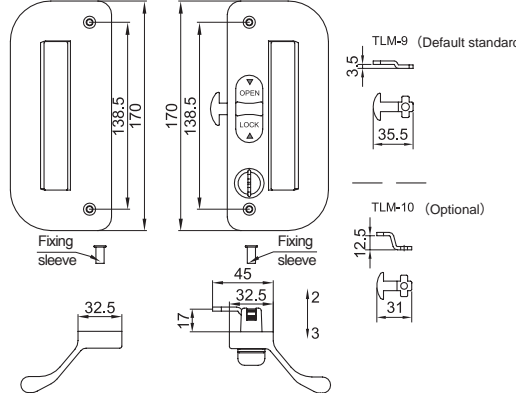
T-DLS20

- ◆ The mounting screw size depends on profile thickness.
- ◆ Use the fixing sleeve to fix the handle when only single side handle to be chosen.
- ◆ The lock hook position is adjustable, up and down, forward and backward


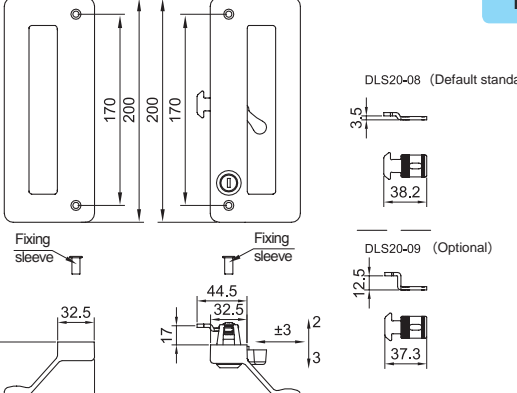
patented product

DLS10S

- ◆ **Left & right**, the mounting screw size depends on profile thickness.
- ◆ Use the fixing sleeve to fix the handle when only single side handle to be chosen.
- ◆ The lock hook position is adjustable, up and down.
- ◆ Non-master key.


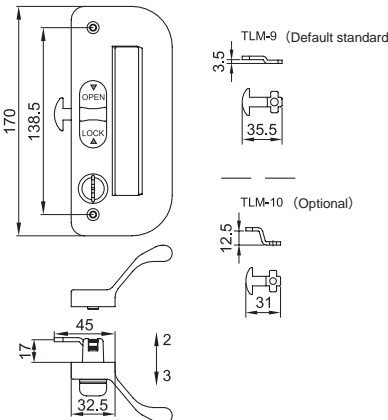
T-DLS20S

- ◆ **Left & right**, the mounting screw size depends on profile thickness.
- ◆ Use the fixing sleeve to fix the handle when only single side handle to be chosen.
- ◆ The lock hook position is adjustable, up and down, forward and backward


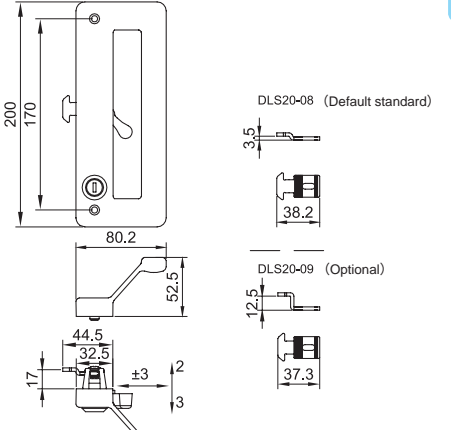
patented product

DLS10HS

- ◆ **Left & right**, the mounting screw size depends on profile thickness.
- ◆ The lock hook position is adjustable, up and down
- ◆ Non-master key


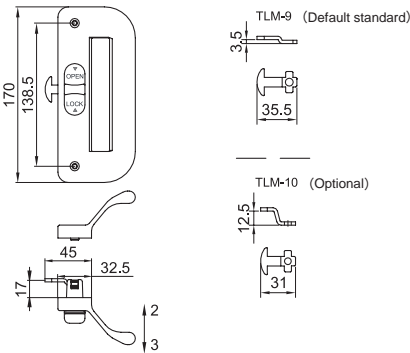

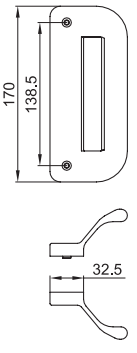

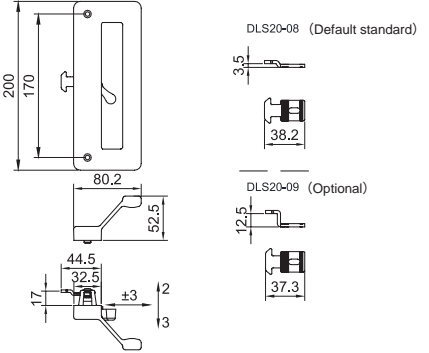

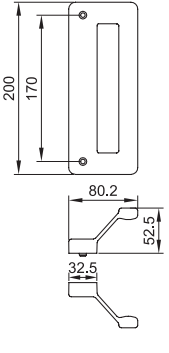
T-DLS20HS

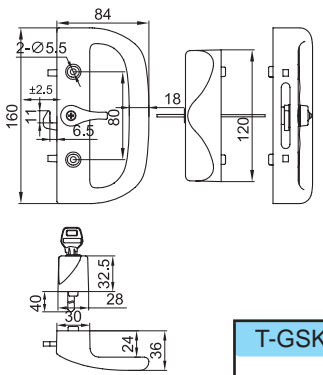
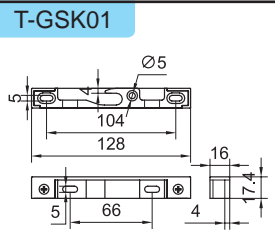


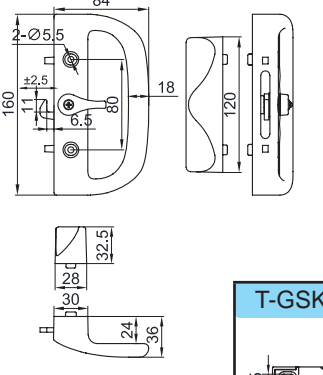
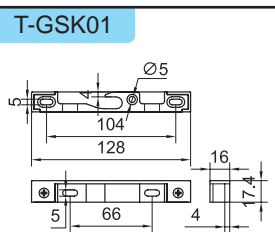


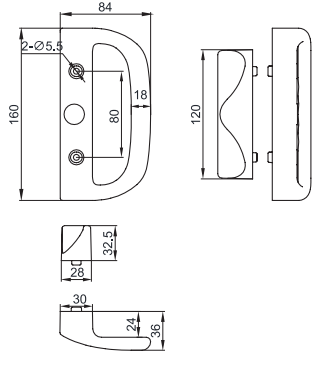

- ◆ **Left & right**, the mounting screw size depends on profile thickness.
- ◆ The lock hook position is adjustable, up and down, forward and backward
- ◆ Non-master key

patented product


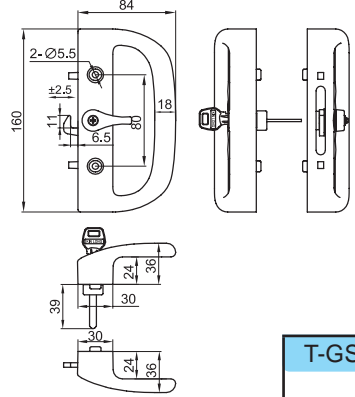
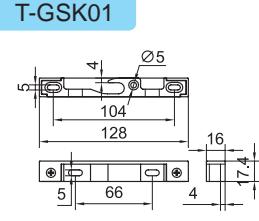


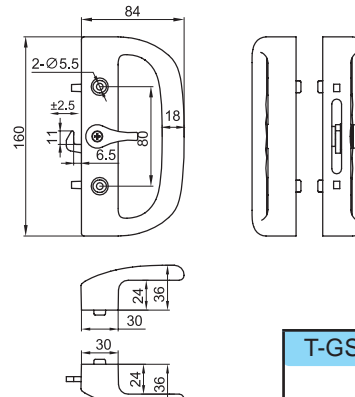
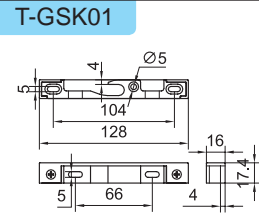


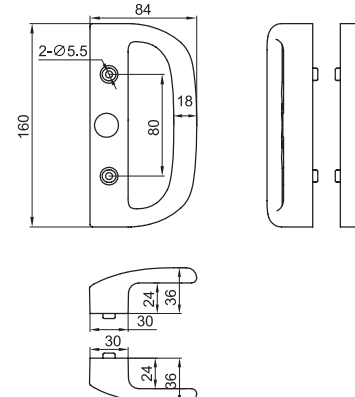
Sliding Lock Series

	<p>DLS10H/I</p>  <p>TLM-9 (Default standard) TLM-10 (Optional)</p> <ul style="list-style-type: none"> ◆ Left & right, the mounting screw size depends on profile thickness. ◆ The lock hook position is adjustable, up and down.
	<p>DLS10H/II</p>  <ul style="list-style-type: none"> ◆ The mounting screw size depends on profile thickness.
 <p>patented product</p>	<p>T-DLS20H/I</p>  <p>DLS20-08 (Default standard) DLS20-09 (Optional)</p> <ul style="list-style-type: none"> ◆ The mounting screw size depends on profile thickness. ◆ The lock hook position is adjustable, up and down, forward and backward
	<p>T-DLS20H/II</p>  <ul style="list-style-type: none"> ◆ The mounting screw size depends on profile thickness.

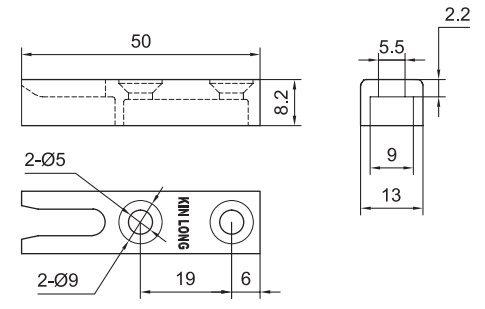

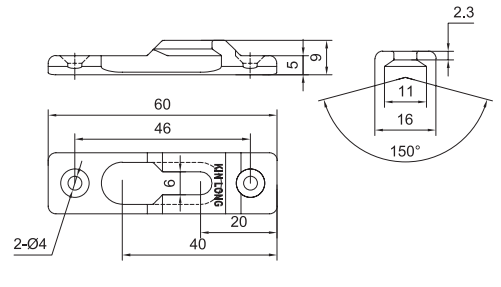

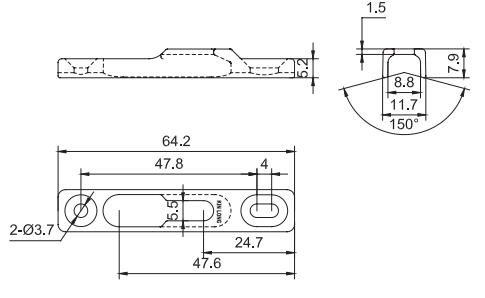

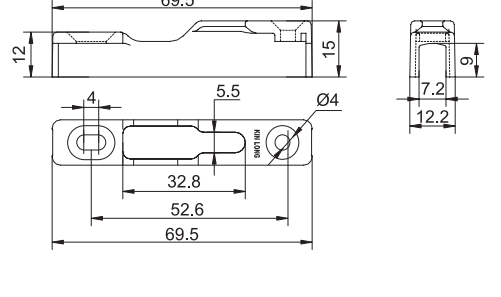

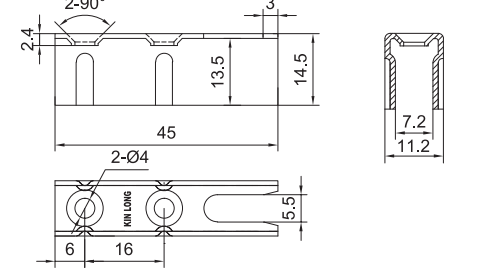

Sliding Lock Series

 <p>T-DGS01</p>  <ul style="list-style-type: none"> ◆ Left & right, matched with T-GSK01 ◆ Lock hook is adjustable, with cylinder, the length of flat pin is 40mm ◆ Anti falling buckle cover; a key doesn't work. 	 <p>T-GSK01</p> 
 <p>T-DGS01W</p>  <ul style="list-style-type: none"> ◆ Left & right, matched with T-GSK01 ◆ The lock hook is adjustable with out lock cylinder ◆ Anti falling buckle cover 	 <p>T-GSK01</p> 
 <p>T-DGS01H</p> <ul style="list-style-type: none"> ◆ Without lock hook and lock cylinder ◆ Anti falling buckle cover 	


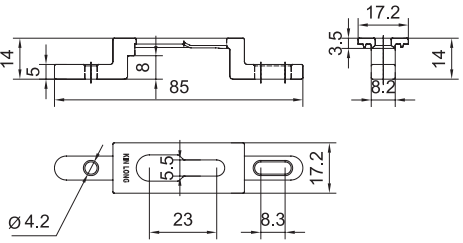
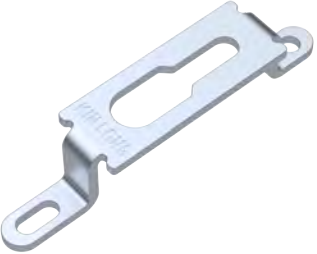
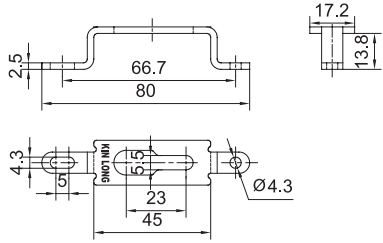

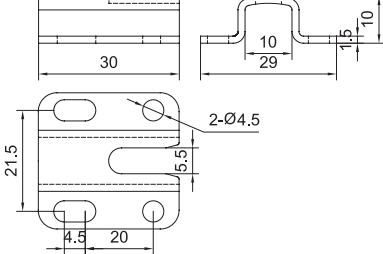

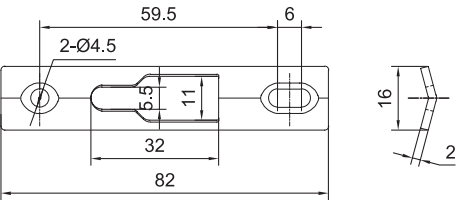

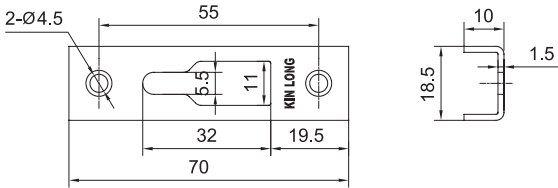

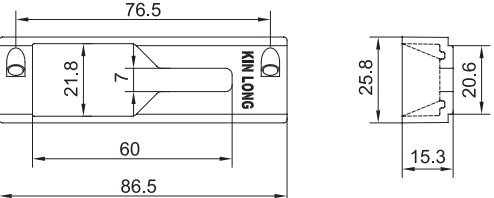
Sliding Lock Series

	<p>T-DGS02</p> 	<p>T-GSK01</p> 
<p>T-GSK01</p> 	<ul style="list-style-type: none"> ◆ Left & right, matched with T-GSK01 ◆ Lock hook is adjustable, with cylinder, the length of flat pin is 39mm ◆ Anti falling buckle cover; a key doesn't work. 	
	<p>T-DGS02W</p> 	<p>T-GSK01</p> 
<p>T-GSK01</p> 	<ul style="list-style-type: none"> ◆ Left & right, matched with T-GSK01 ◆ The lock hook is adjustable without lock cylinder ◆ Anti falling buckle cover 	
	<p>T-DGS02H</p> 	
	<ul style="list-style-type: none"> ◆ No need to distinguish left or right type ◆ Without lock hook and lock cylinder ◆ Anti falling buckle cover 	


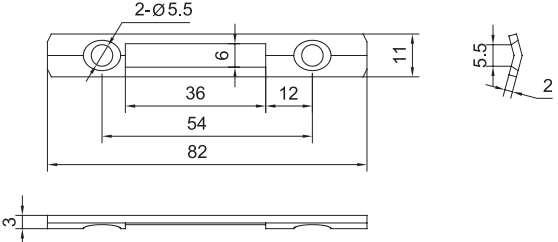

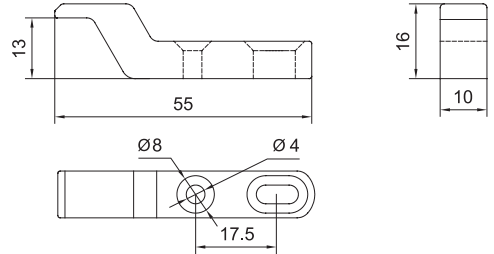

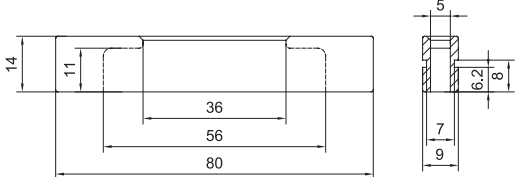

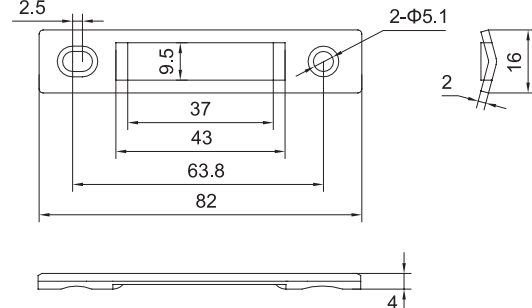
Locking Plate Series

	<p>U03C</p> 
	<p>U05</p> 
	<p>T-U25</p> 
	<p>T-U26</p> 
	<p>U07</p> 


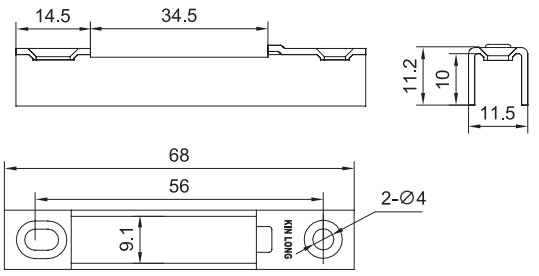

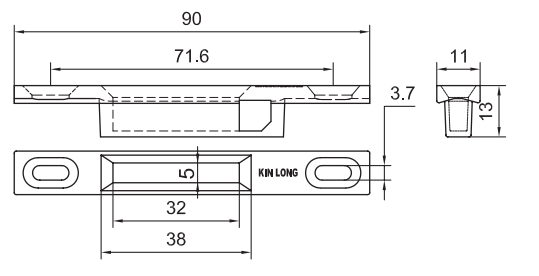

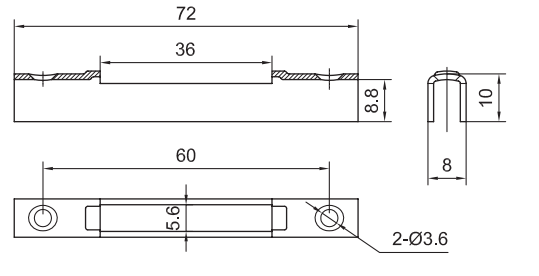

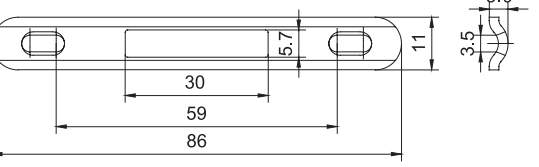
Locking Plate Series

	<p>U09</p>	
	<p>T-U19</p>	
	<p>U10</p>	
	<p>U15</p>	
	<p>U40</p>	
	<p>T-U43</p>	


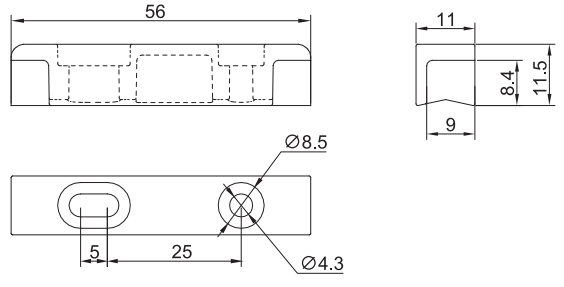

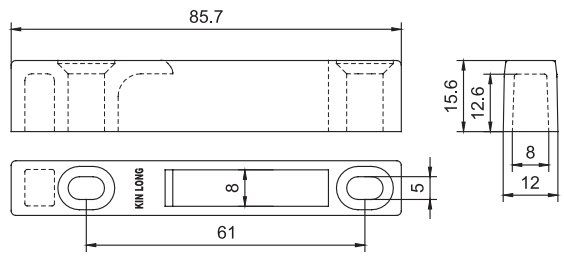

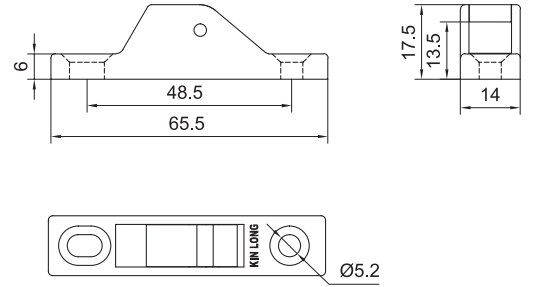

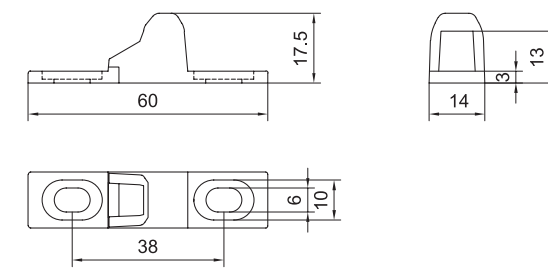
Locking Plate Series

	<p>TLK-11A</p>	
	<p>TLK-13B</p>	
	<p>TLK-14</p>	
	<p>TLK15B</p>	


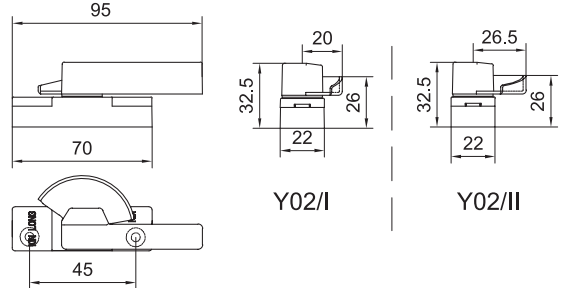

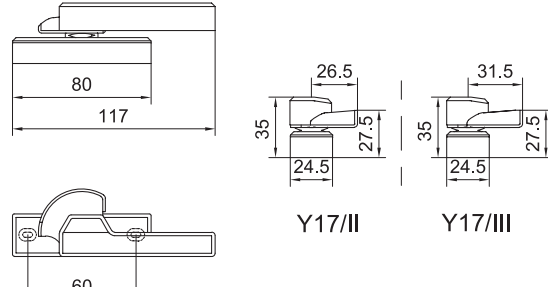

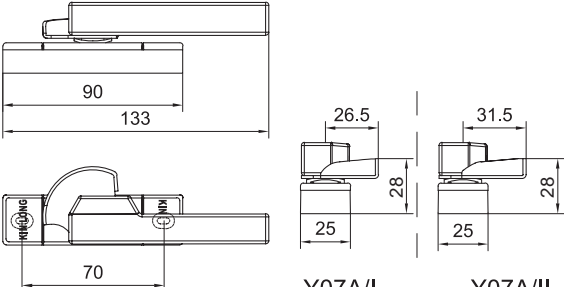

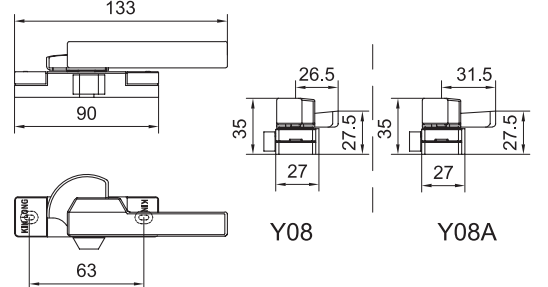
Locking Plate Series

	<p>TLK16B</p> 
	<p>TLK17</p> 
	<p>TLK19</p> 
	<p>TLK21A</p> 


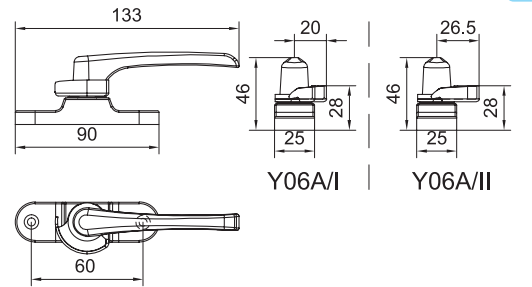

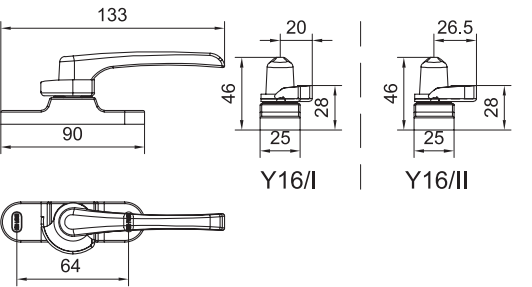

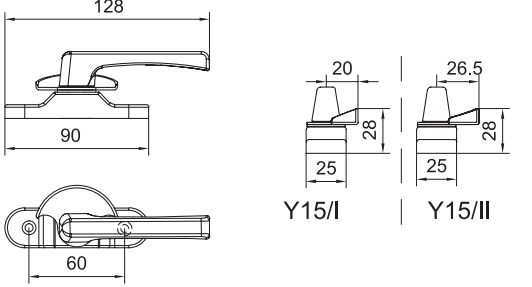

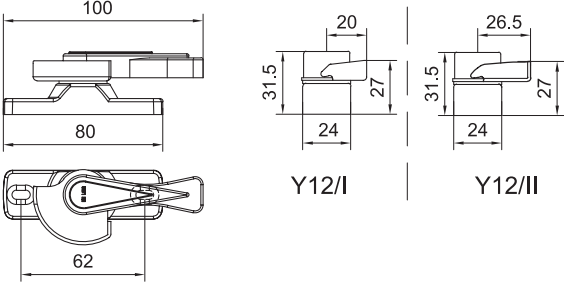
Locking Plate Series

	<p>TLK23</p> 
	<p>TLK40</p> 
	<p>TFK01</p>  <p>◆ Anti-strike locking plate, only match with manual sliding lock.</p>
	<p>SDS-1A</p>  <p>Patented product Product introduction is detailed on page 308.</p>


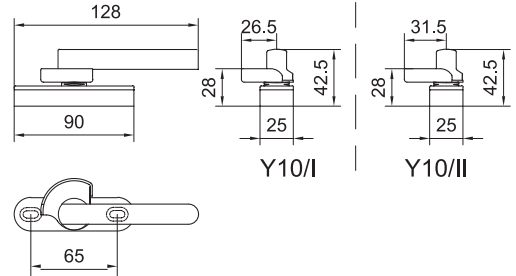

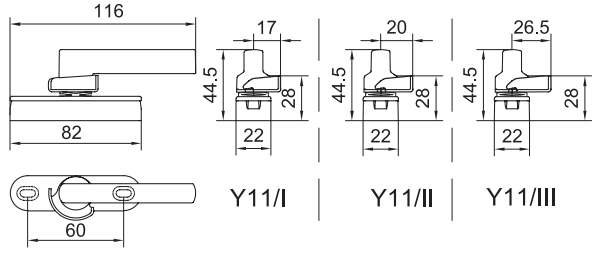

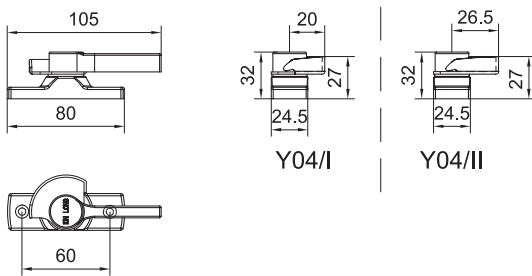

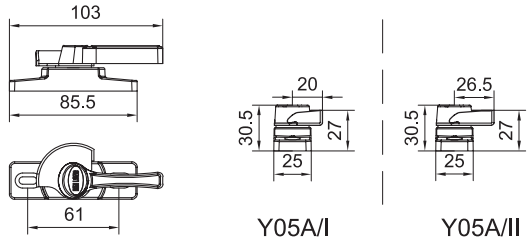
Crescent Lock Series

	<p>Y02/I, Y02/II</p>  <p>◆ Left & right</p>
	<p>Y17/II, Y17/III</p>  <p>◆ Left & right</p>
	<p>Y07A/I, Y07A/II</p>  <p>◆ Left & right ◆ Gaskets are available (see page 287)</p>
	<p>Y08, Y08A</p>  <p>◆ Left & right ◆ Gaskets are available (see page 287)</p>

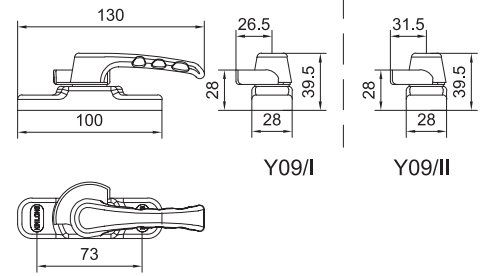

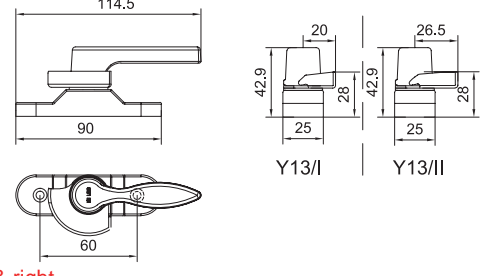

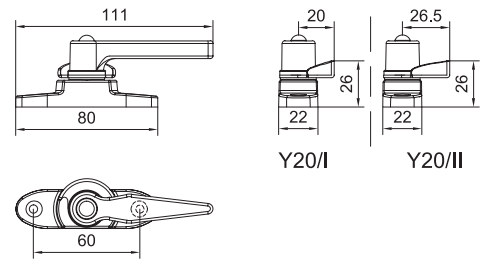

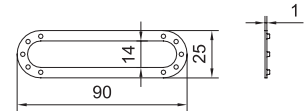

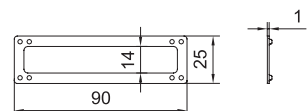

Crescent Lock Series

	<p>Y06A/I, Y06A/II</p>  <p>◆ Left & right ◆ Gaskets are available (see page 287)</p>
	<p>Y16/I, Y16/II</p>  <p>◆ Left & right ◆ Gaskets are available (see page 287)</p>
	<p>Y15/I, Y15/II</p>  <p>◆ Left & right ◆ Gaskets are available (see page 287)</p>
	<p>Y12/I, Y12/II</p>  <p>◆ Left & right</p> <p style="text-align: right;">patented product</p>


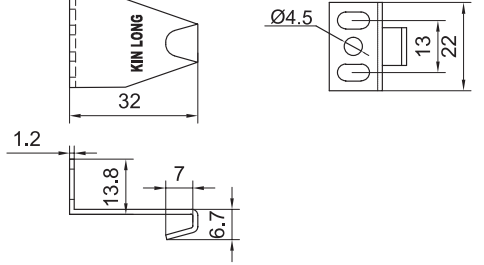

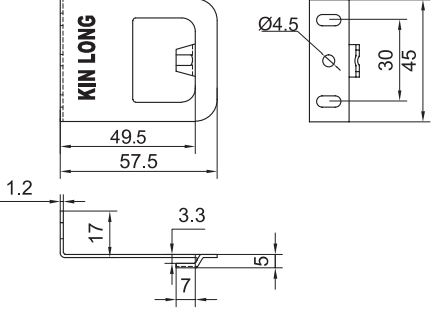

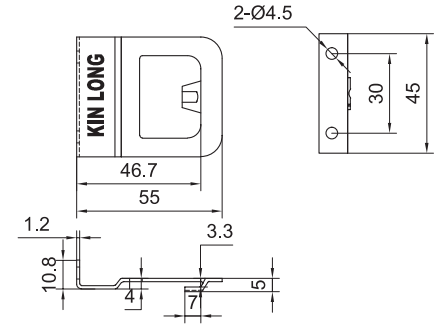

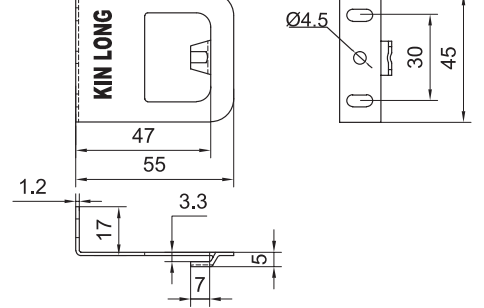
Crescent Lock Series

 <p>patented product</p>	<p>Y10/I, Y10/II</p>  <p>◆ Left & right</p>
 <p>patented product</p>	<p>Y11/I, Y11/II, Y11/III</p>  <p>◆ Left & right</p>
 <p>patented product</p>	<p>Y04/I, Y04/II</p>  <p>◆ Left & right</p>
 <p>patented product</p>	<p>Y05A/I, Y05A/II</p>  <p>◆ Left & right</p>


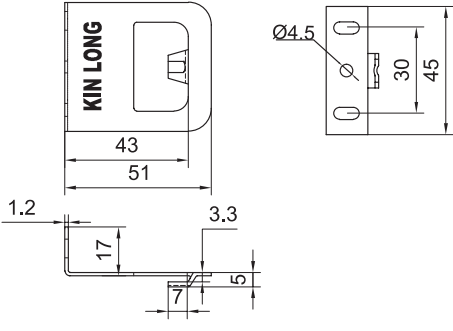

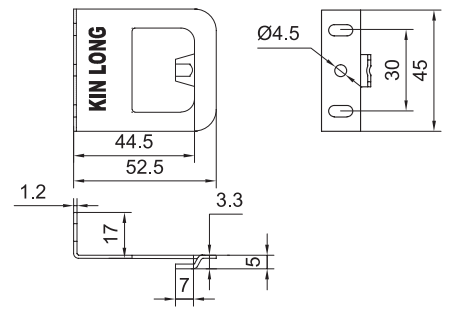

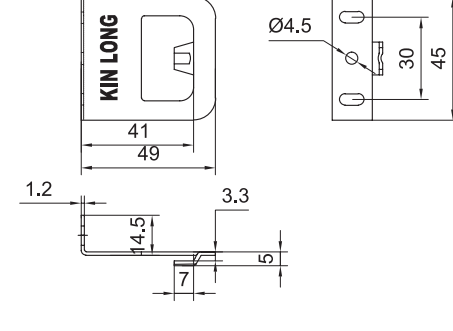

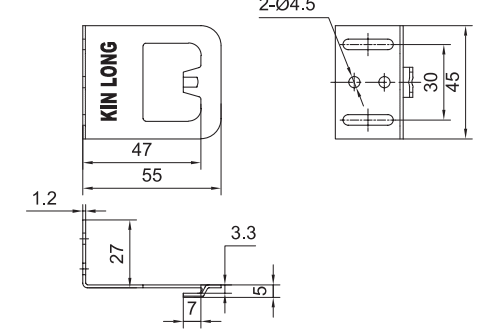
Crescent Lock Series

 <p>◆ Left & right</p>	<p>Y09/I, Y09/II</p>  <p>patented product</p>
 <p>◆ Left & right ◆ Gaskets are available (see page 287)</p>	<p>Y13/I, Y13/II</p>  <p>patented product</p>
 <p>◆ No need to distinguish left or right type</p>	<p>Y20/I, Y20/II</p>  <p>patented product</p>
 <p>◆ Can be used in stacks, suitable for Y06A, Y13, Y15, Y16 series crescent locks to increase the height.</p>	<p>Y06-07-1</p> 
 <p>◆ Can be used in stacks, suitable for Y07A, Y08 series crescent locks to increase the height.</p>	<p>Y07-06-1</p> 


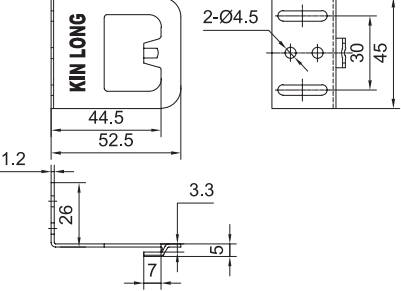

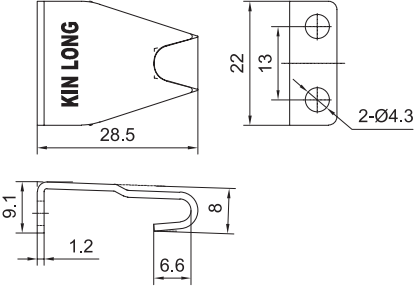

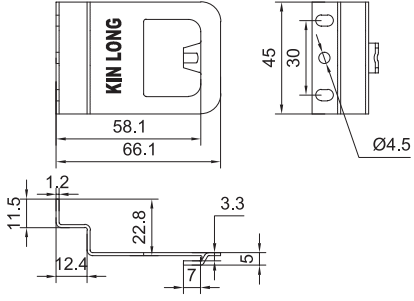

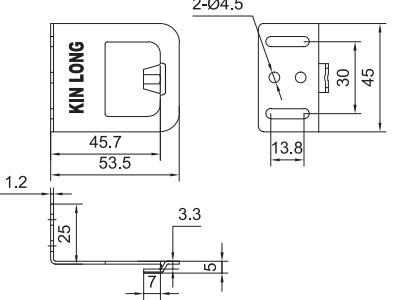

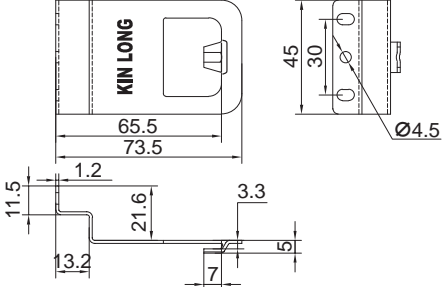
Crescent Lock Series

	<p>Y05-10A</p> 
	<p>Y05-12A</p> 
	<p>Y05-13A</p> 
	<p>Y05-17A</p> 


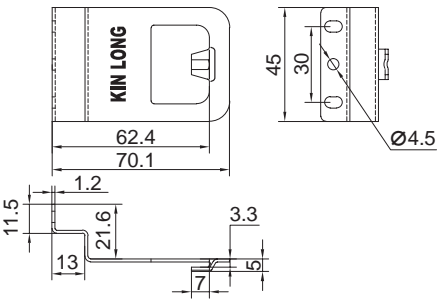

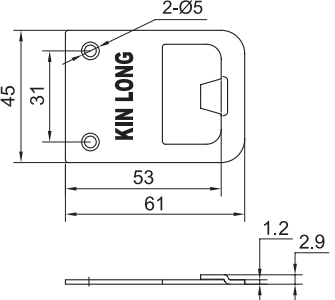

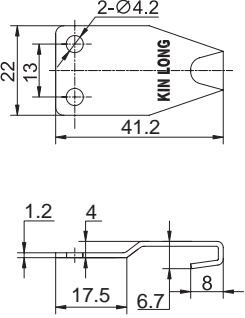

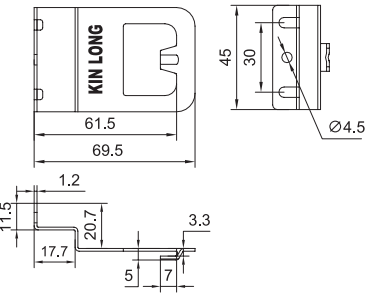

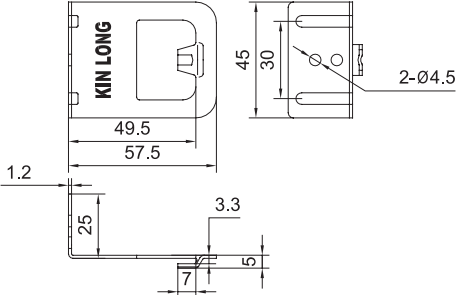
Crescent Lock Series

	<p>Y05-18A</p> 
	<p>Y05-19A</p> 
	<p>Y05-20A</p> 
	<p>Y05-21</p> 


Crescent Lock Series

	<p>Y05-22</p> 
	<p>Y05-23A</p> 
	<p>Y05-24</p> 
	<p>Y05-25</p> 
	<p>Y05-26</p> 

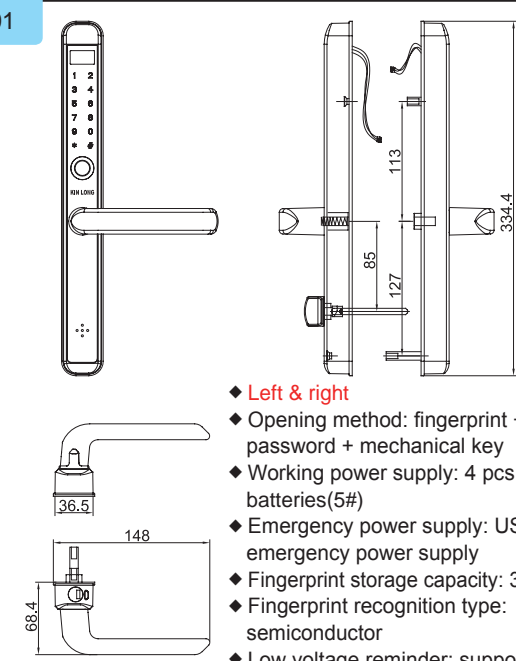
Crescent Lock Series

	<p>Y05-28</p> 
	<p>Y05-30</p> 
	<p>Y05-31</p> 
	<p>T-Y05-32</p> 
	<p>T-Y05-33</p> 

Smart Door Lock for Profile Door



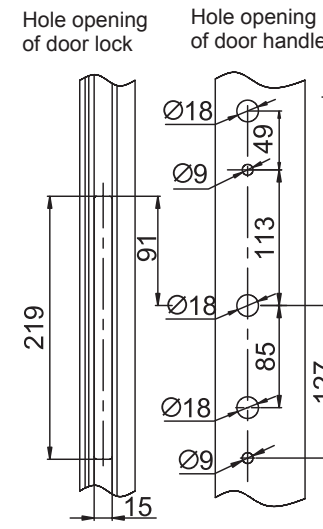
T-ZNS001



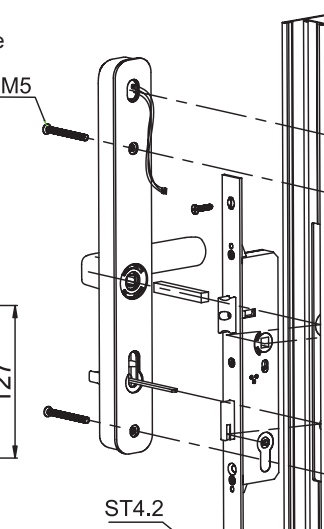
- ◆ Left & right
- ◆ Opening method: fingerprint + password + mechanical key
- ◆ Working power supply: 4 pcs dry batteries(5#)
- ◆ Emergency power supply: USB emergency power supply
- ◆ Fingerprint storage capacity: 300 groups
- ◆ Fingerprint recognition type: semiconductor
- ◆ Low voltage reminder: support
- ◆ Password digits: 6~10 digits
- ◆ Number of virtual passwords: 20 digits
- ◆ Protection level: IP53
- ◆ Optional colors: nano black, pearl silver, red bronze
- ◆ Applicable to JMScxx/II, T-JMSDxx/II door lock

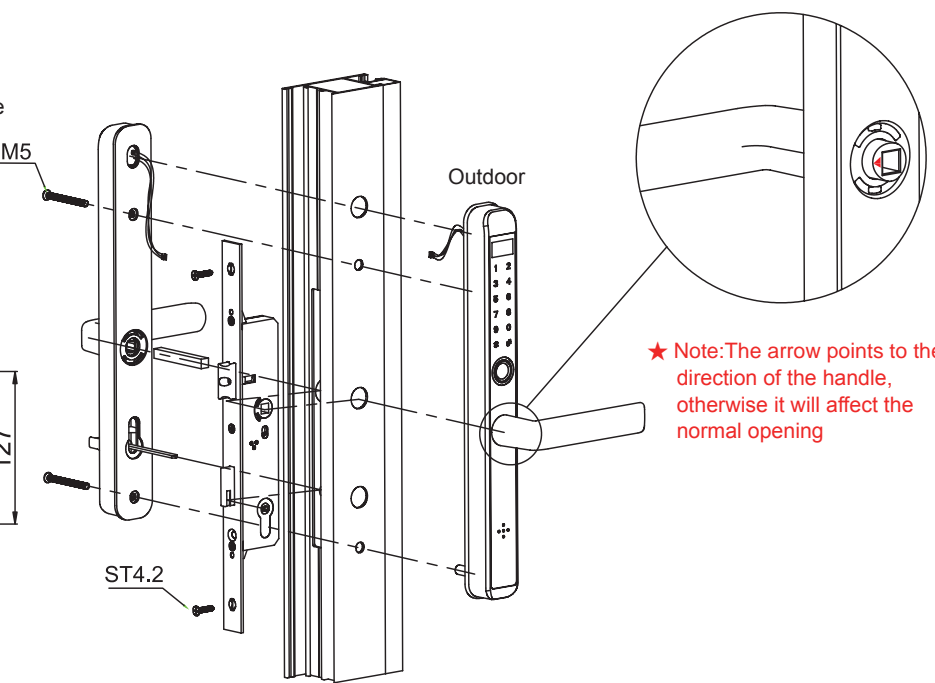
T-ZNS001 Hole opening diagram
 (★ It is recommended to do sample test before batch cutouts)

Hole opening of door lock



Hole opening of door handle





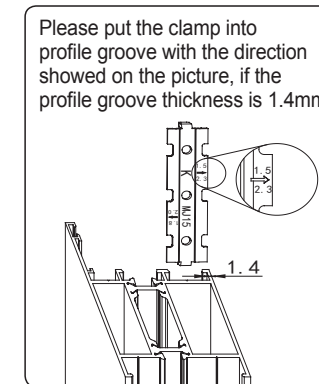
★ Note: The arrow points to the direction of the handle, otherwise it will affect the normal opening

Part Product Introduction

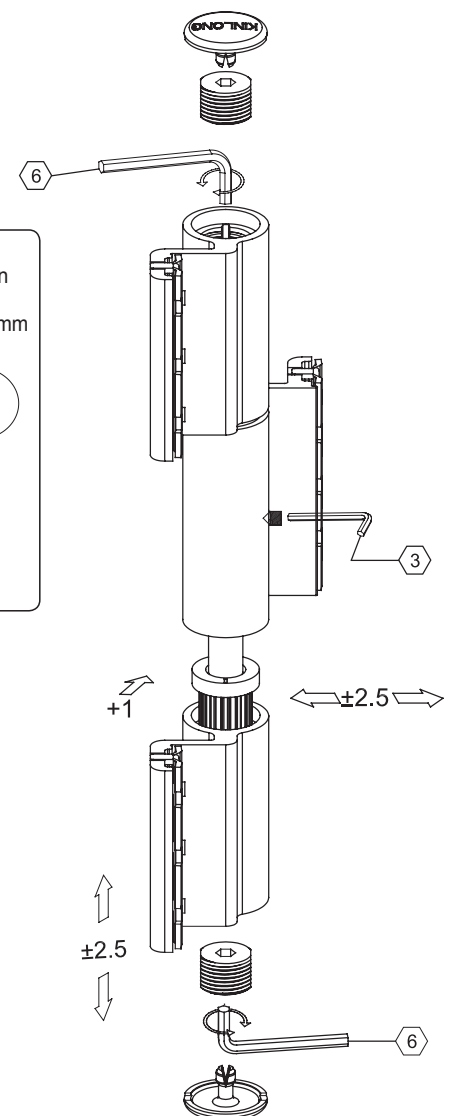
Door hinge MJ20



- ◆ Applicable to all kinds of profile with different standard C-groove
- ◆ The clamping block of sash and frame has auxiliary part of hanging ear to make installation easy.
- ◆ This hinge is of high-bearing-capacity with maximum bearing capacity 200KG(4 hinges are installed in one door sash.)
- ◆ 3-D adjustable function effectively reduces installation error
- ◆ Designed fixing screws with the profile guarantee the high bearing capacity.



MJ20 adjust illustration



★ Note: if use the profile as above, please use ST4.8 self-tapping screws to replace the middle fixing screws of the hinge

Part Product Introduction

 Bearing type series products



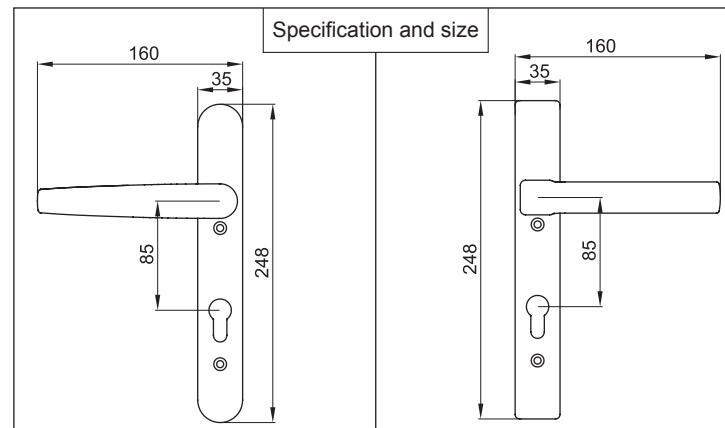
T-MZS918



T-MZS920

Bearing type handle T-MZS918、T-MZS920

- ◆ Taking the classic streamline and simple appearance of KinLong;
- ◆ The handle and base insist on using the golden ratio configuration, while the shape specifications are increased.
- ◆ With the built-in bearing, the cycle life of the product is greatly improved, far exceeding the industry standard;
- ◆ Energy-saving concept design to help reducing the energy and consumption of doors and windows;
- ◆ Applicable to more profiles in the market;
- ◆ Products are no need to distinguish left and right type;



Part Product Introduction

 Bearing type series products



TZS300A/II



TZS310/II



MJ25A

- ◆ Bearing type handle, stable structure, smoothly operation and long cycle life;
- ◆ Integrated handle with fork tongue or square steel;
- ◆ A variety of products are available;
- ◆ Products includes:
Sliding door handle TZS100 series, TZS300A series, TZS301A series, TZS302A series, TZS310 series, TZS311 series, TZS312 series

- ◆ Bearing type hinge, reducing the rotational friction effectively, easily for operation;
- ◆ Stable structure and the cycle life far exceeds the industry standard;
- ◆ Three-dimensional adjustable function, which can corrects the installation error effectively;
- ◆ Products includes:
Casement door hinge MJ25A, T-ZC63, T-ZC63E

Part Product Introduction



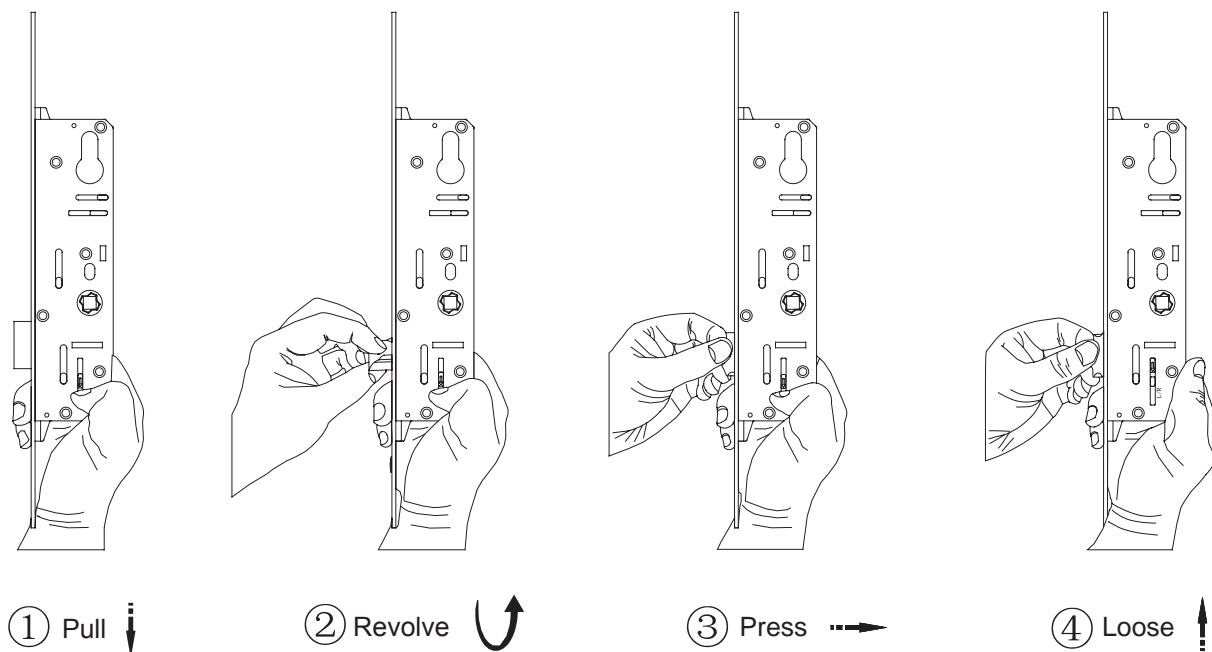
Door lock T-MSD series

- ◆ 35mm and 38mm center distances are optional, suitable for larger cavity profiles;
- ◆ The brand-new slanting tongue reversing mechanism makes the reversing operation more convenient;
- ◆ Rich product series, various styles of /I, /II, /III are available (see page 196 of the catalogue for details);
- ◆ The installation opening is the same as the MSC series door lock (see page 162 of the booklet for details).

Instructions for reversing the oblique tongue

- ◆ Push down the toggle block in the direction indicated by the arrow without letting go, and the diagonal tongue pops out;
- ◆ Rotate the inclined tongue 180° to change direction;
- ◆ Press the oblique tongue to the inside of the lock body after changing the direction;
- ◆ Loosen the toggle block to complete the reversal of the inclined tongue.

Schematic diagram of slanting tongue reversing operation



Part Product Introduction

Door lock T-DFS32



- ◆ Single latch design, simple and practical; the main material of the door lock shell is high-quality zinc alloy, the surface is electrophoresis black, wear-resistant and anti-corrosion.
- ◆ Cooperating with KIL series lock cylinder to realize the locking function, and together with the door handle T-MLS05.
- ◆ Door handles are available in a variety of sizes and lengths can also be customized.
- ◆ Suitable for C-groove, no-groove profiles; commonly used in shopping malls, pedestrian path, unit doors and other normally open casement doors, and occasions that require a temporary locking function.

Door handle T-MLS05



Effect diagram

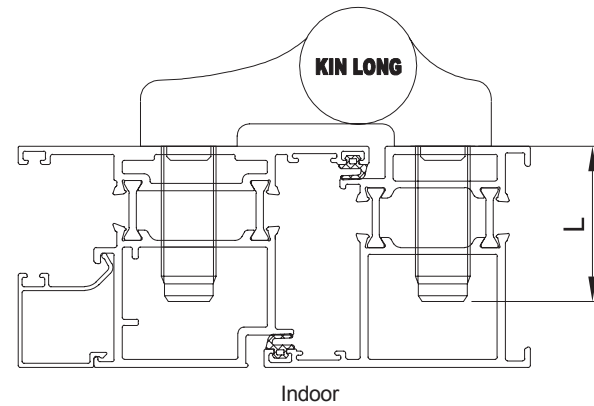
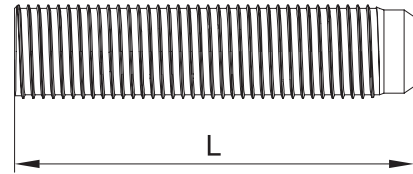


Part Product Introduction

Fastening bolt

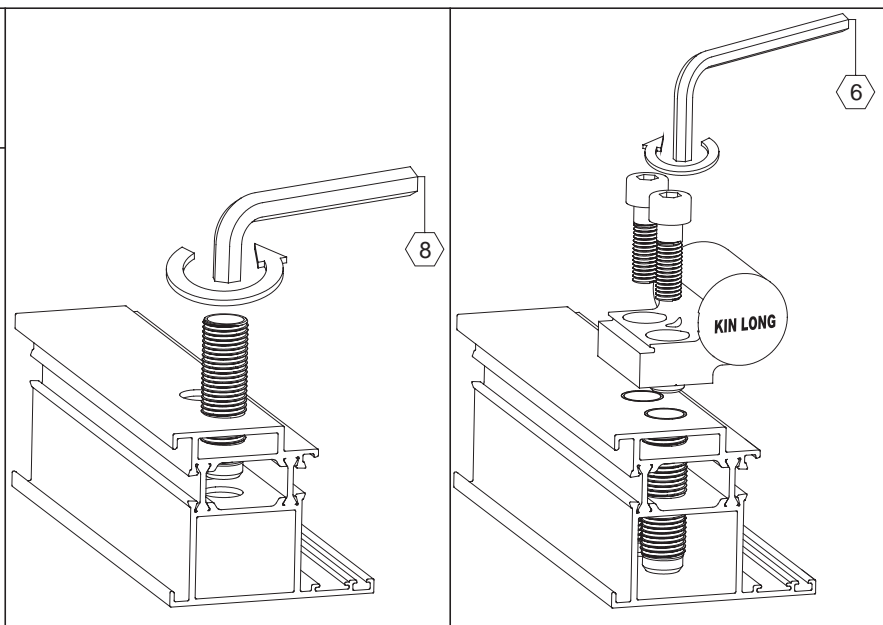
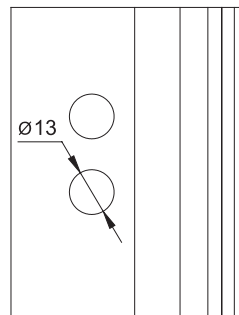


- ◆ Imbed the profile cavity by rotating, improve the strength of hinges.
- ◆ Guiding section is designed in the front of the bolt, to make it easy and precise for installing.
- ◆ Can meet big size profile installation requirement.
- ◆ Suitable for LHD/LHE series hinges.



Item code	L
JGS-40	40
JGS-60	60

Cutouts illustration



Part Product Introduction

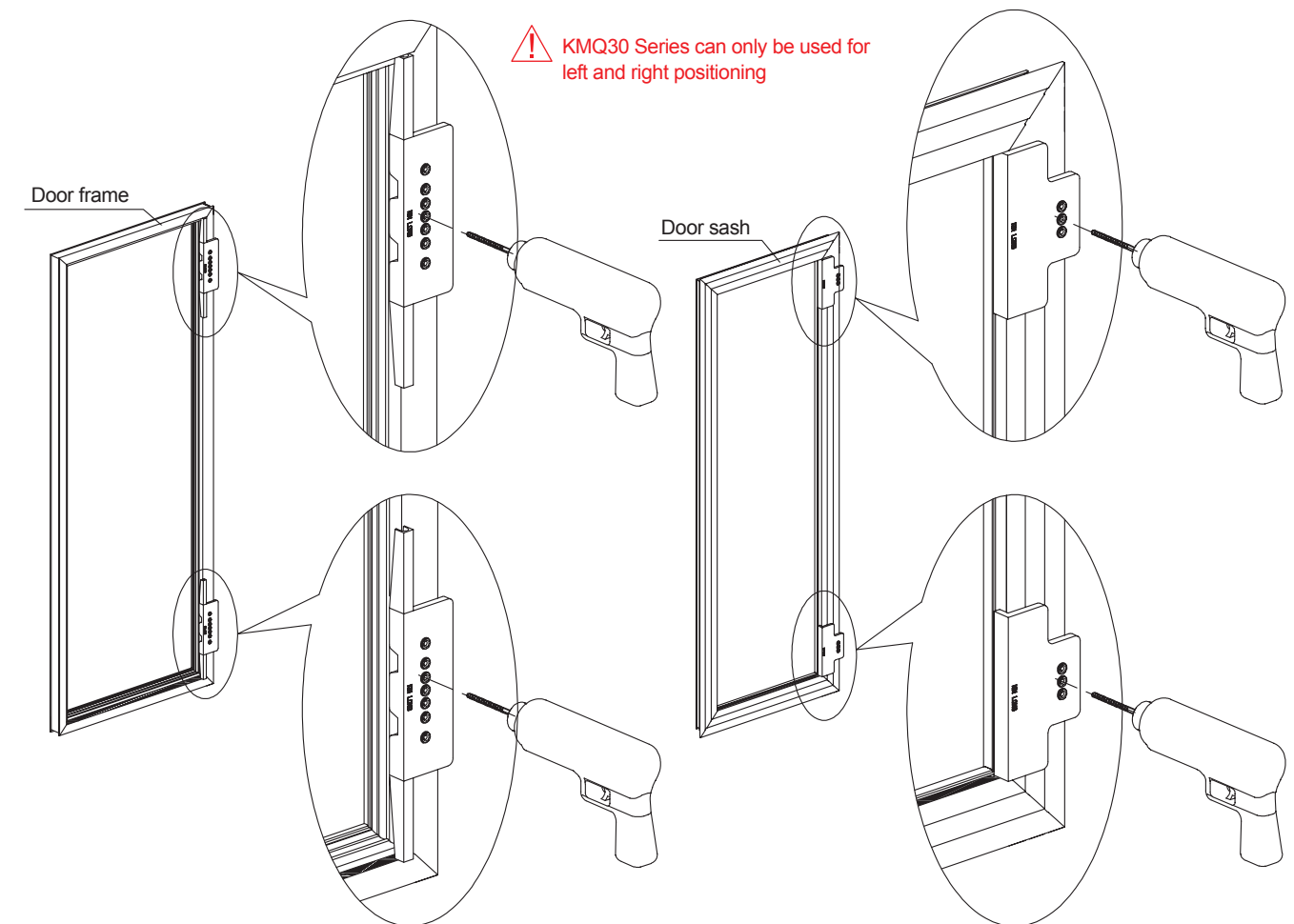
Duplicator KMQ10/KMQ20/KMQ30



- ◆ Convenient-Use design, need no screws to fix, and it can be customized.
- ◆ Suitable to all kinds of profiles, greatly improve the hinge installation efficiency, so it provides an excellent solution to cover the low-efficiency.

- ◆ KMQ10 is suitable for LHD25, LHE25 hinges.
- ◆ KMQ20 is suitable for WK-D, WD-E hinges.
- ◆ KMQ30 is suitable for LHD55, LHE55, LHD60, LHE60, LHD63, LHE63, LHD68, LHE68, LHD93A, LHE93, SHD63, SHE63, T-LWD63, T-SWD63, T-SWD80.

Note: The duplicator needs to be customized according to the selected hinges and profiles.



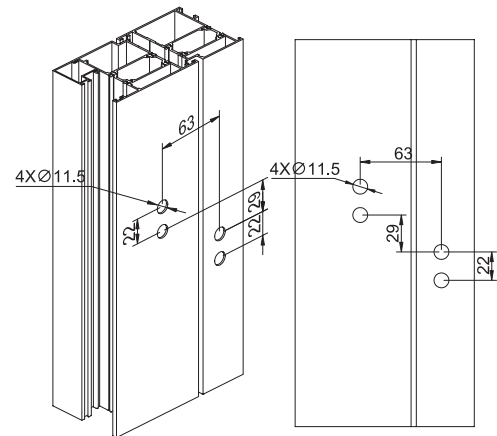
Part Product Introduction

Hinge T-LWD63、T-SWD63、T-SWD80

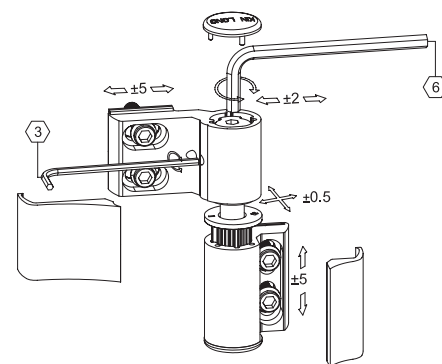


- ◆ It is suitable for casement doors with aluminum alloy profiles and aluminum-wood composite profiles that the frame and sash profiles are on the same plane.
- ◆ The hinge can be adjusted in two ways, the waist hole has a large adjustment of ± 5 mm, and the bushing has an adjustment of ± 2 mm
- ◆ In order to obtain the best installation effect of the hinge, it is recommended to use the touch device KMQ30 for installation and opening.
- ◆ The hinge provides three fixing methods:
Use wood screws
Use fastening bolts
Use bar nuts to secure
- ◆ The maximum load-bearing capacity of the hinge is 150KG

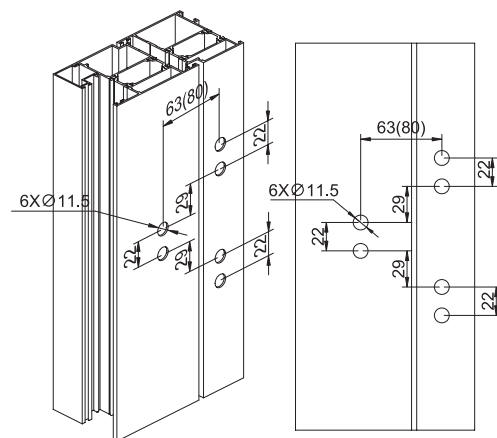
Two-wing hinge T-LWD63 hole cuts diagram



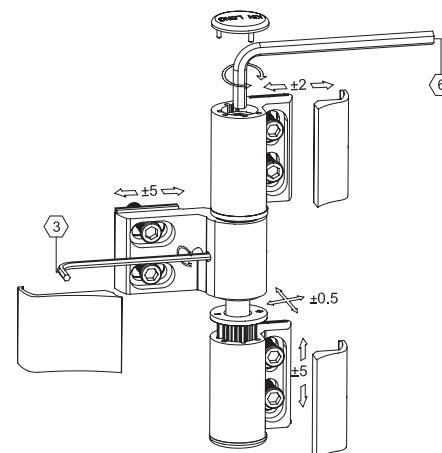
Two-wing hinge T-LWD63 adjustment diagram



Three-wing hinge T-SWD63、T-SWD80 hole cuts diagram

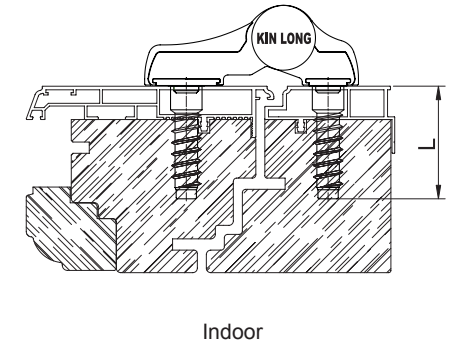
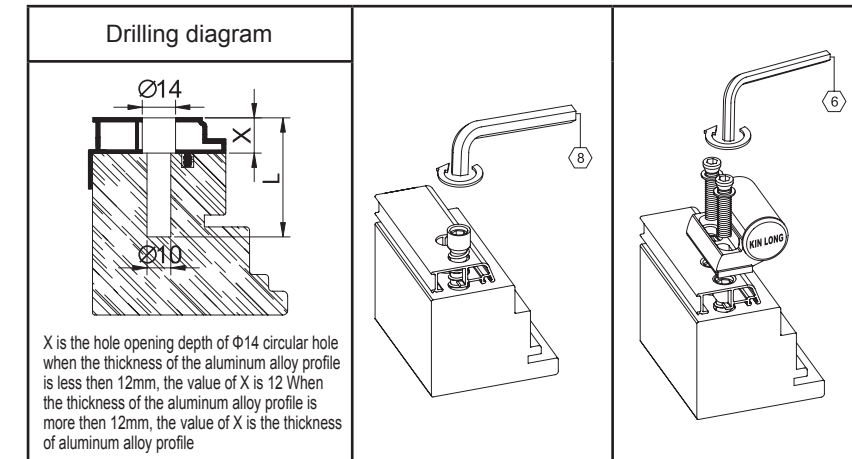


Three-wing hinge T-SWD63、T-SWD80 adjustment diagram

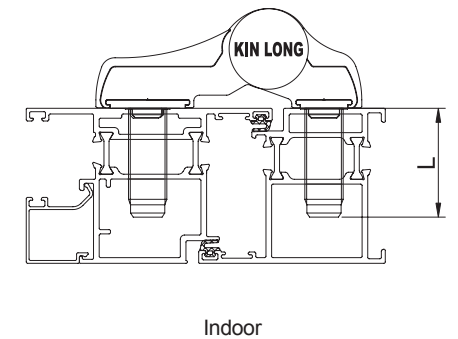
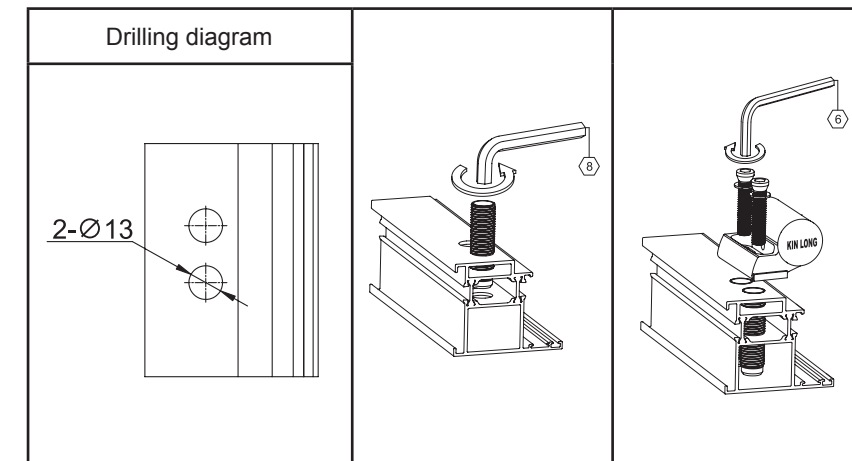


Part Product Introduction

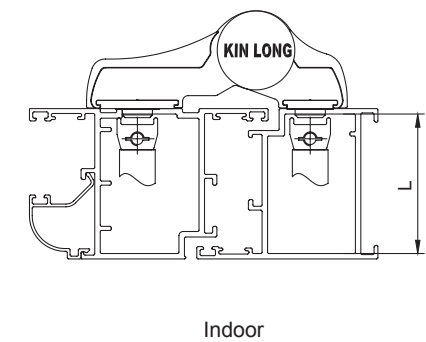
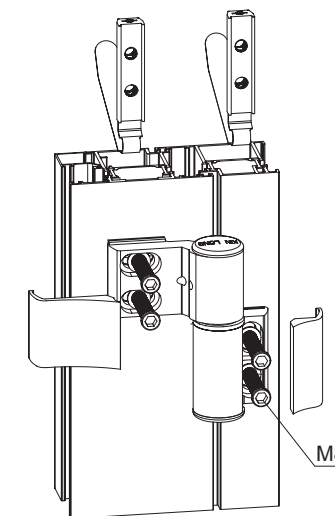
Fixing method 1: wood screws (T-MLD01-50)



Fixing method 2: fixing bolts (JGS-40/JGS-60)



Fixing method 3: bar nuts (LHD-12A, LH-9B)



Note: Put the bar nut before the profile assembling

Part Product Introduction

TLS22, TLS32 Series sliding lock

Various series to meet different requirement.

- All series products for selection
- ◆ TLS22 series rounded appearance;
- ◆ TLS32 series square appearance;
- ◆ Manual, automatic, double-sided, with-handle, with-lock;
- ◆ Complete series of products, different forms of products can be selected according to requirement;



Comprehensive upgrade, wider application

- Multiple optimizations, better adaptability
- ◆ TLS22 and TLS32 series products using the same hole cuts with TLS12 series;
- ◆ Stainless steel clamping block, stable clamping, large hole cuts design for higher applicability;
- ◆ New lock hook, no screw protrusion, less cavity space needed;

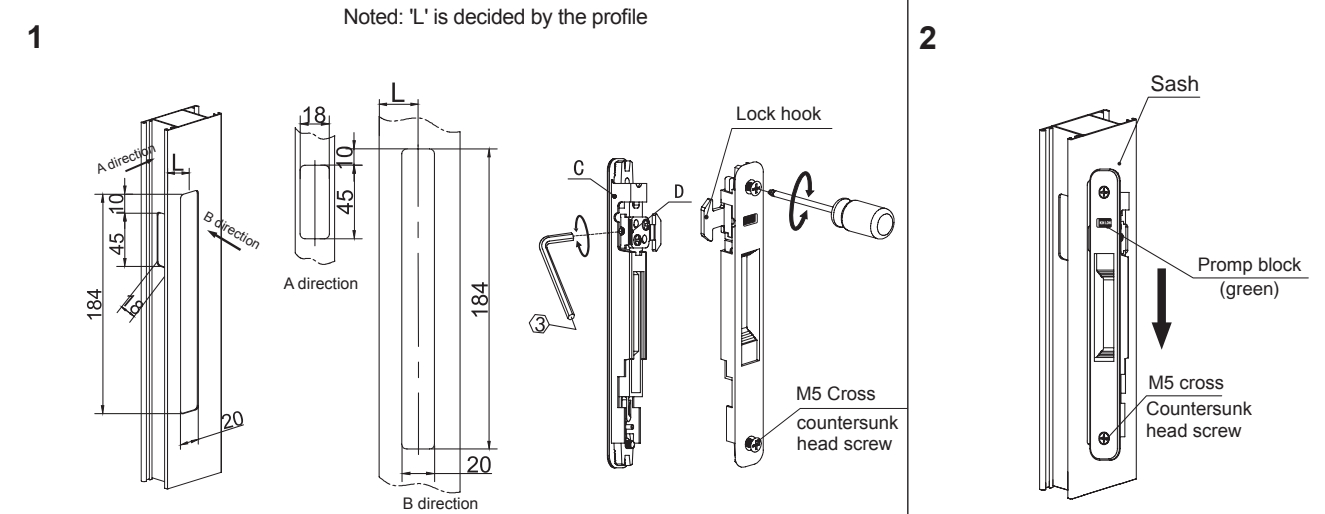
More cost-effective

- With a better using experience
- ◆ The shell is widened to 26mm, which can avoid the extra exposure of the hole cuts on the profile surface effectively;
- ◆ The lock hook is adjustable, and the adjustment amount is $\pm 3\text{mm}$;

Part product Introduction

sliding lock series

Drilling Installation diagram for TLS22/TLS32/TLS12/TLS16

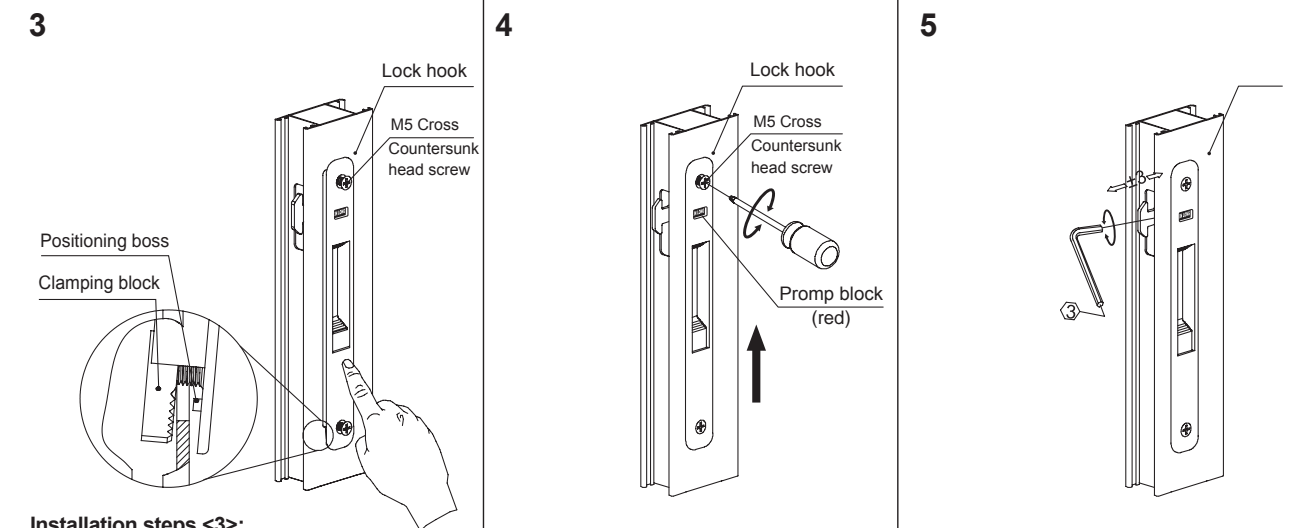


Installation steps <1>:

- (1) According to actual application requirements to cut the holes in the sliding profile.
- (2) Install the fitted lock hook on the sliding lock.
- (3) Use an Allen key to adjust the end of the hook and switch cover to a flat surface. (That is, the C and D surface is flush.)
- (4) Loosen the screws of the two clamping blocks.

Installation steps <2>:

- (1) Toggle the switch chute down to open the sliding lock.
- (2) Prepare the sliding profile with the hole in advance, and place the sliding lock sideways, then put it into the hole naturally.



Installation steps <3>:

- (1) Move the sliding lock up and down to clamp the positioning block to the wall of the profile.
- (2) Clamping the profile with the block at the upper and lower end of the sliding lock and the outer cover to fix the M5 countersunk screw on the lower side of the sliding lock.

Installation steps <4>:

- (1) Toggle the switch chute up to close the sliding lock.
- (2) Fix the M5 cross countersunk screws on the upper side of the sliding lock.

Installation steps <5>:

- (1) Adjust the front and rear position of the lock hook to achieve a better fit between the
- (2) The installation is complete.

Note: Please install according to the direction shown in the figure, upside down installation will affect the service life

Part Product Introduction

Single hook lock T-DGS01 series, T-DGS02 series

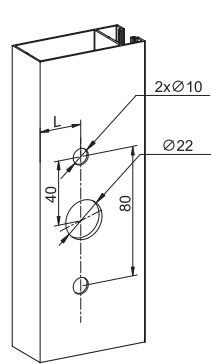


- ◆ Installed on the outer surface of the profile, not limited by the size of the internal cavity,
 - ◆ A wider adaptability.
 - ◆ Anti-falling buckle cover design, screws will not be exposed.
 - ◆ The lock hook is adjustable, and the adjustment amount is $\pm 2.5\text{mm}$.
- This series offers a variety of styles to choose from:
- ① T-DGS01, T-DGS02 outdoor with lock cylinder, can be operated indoors and outdoors;
 - ② T-DGS01W and T-DGS02W have no lock cylinder and can only be operated indoors;
 - ③ T-DGS01H and T-DGS02H are auxiliary handles for split fans;
- ◆ The product needs to be used with the hook receiver T-GSK01.

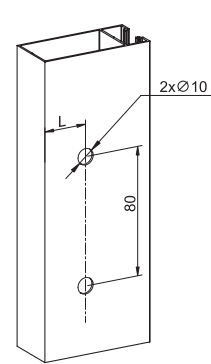
Drilling installation diagram

(★ It is recommended to carry out the first sample test before opening holes)

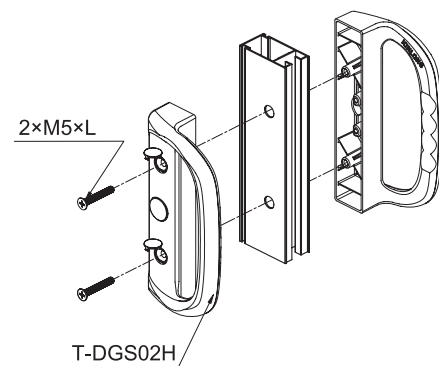
T-DGS01, T-DGS02 Hole cuts diagram



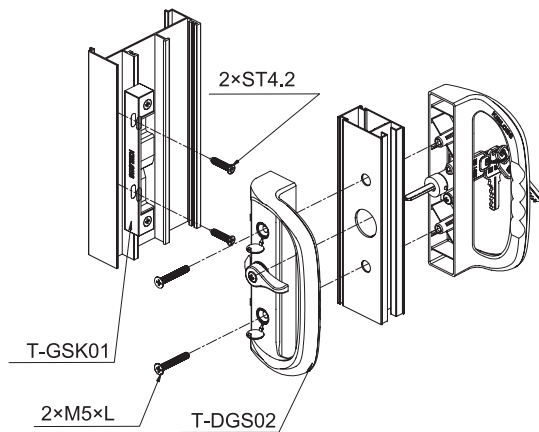
T-DGS01W, T-DGS01H, T-DGS02W, T-DGS02H hole cuts diagram



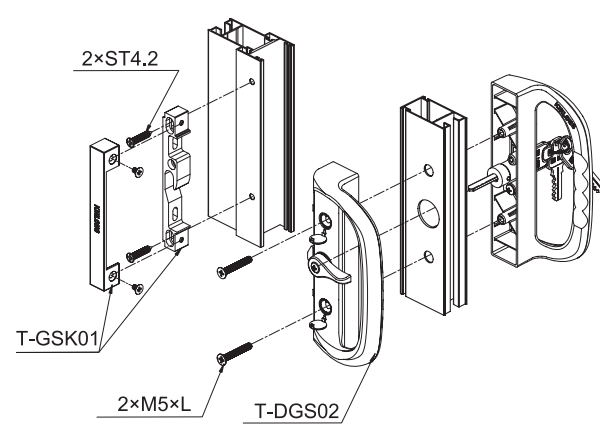
Auxiliary handle installation instructions



Installation instructions for the position of the two-sash sliding door side profile



Installation instructions for the middle profile of the four-sash sliding



Part product Introduction

Three-piece double hook lock

Door handle T-MLS04

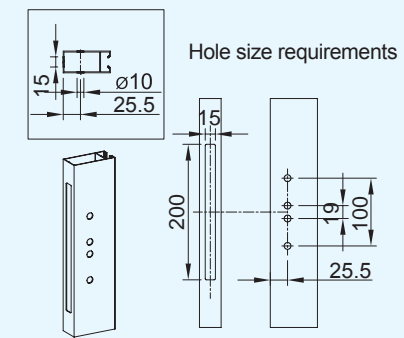


- ◆ It is made of high-quality aluminum alloy die-casting, and the screw fixing place is "anti-falling buckle cover".
- ◆ The double hook lock is equipped with an anti-misoperation device, which effectively protects the profile and hardware accessories. the shell is made of high-quality zinc alloy and the surface is electrophoretically treated. the lock hook is formed of 304 powder metallurgy, which has higher strength and stronger locking.
- ◆ The frame panel is made of high-quality 304 material and the surface is brushed.

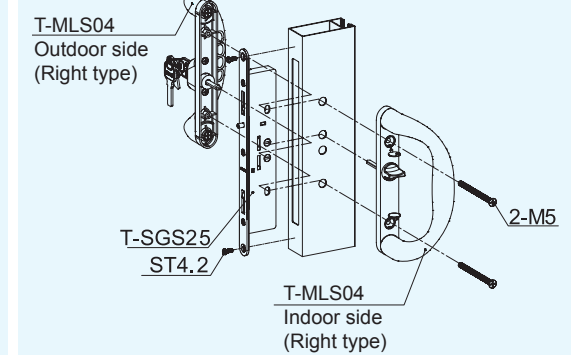
Double hook lock T-SGS25



T-SGS25 & T-MLS04 cutouts diagram



T-SGS25 & T-MLS04 installation diagram

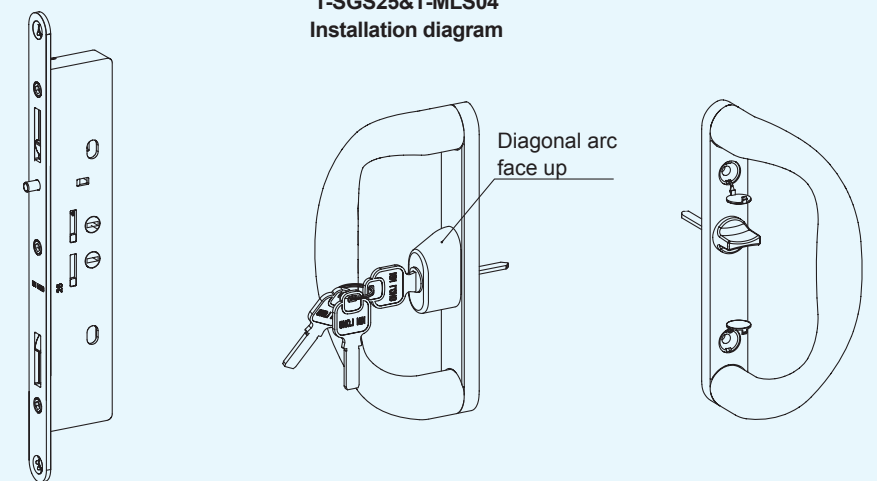


Note: The picture shows the handle is right-handed, and the left-hand installation is the same
(★ It is recommended to carry out the first sample test before opening holes)

Cover plate T-GMB215



T-SGS25 & T-MLS04 Installation diagram



★ Double hook lock-in the open state

★ Outside the handle-in a state where the key can be pulled out

★ State of flat pin

Part Product Introduction

4-Piece double hook lock

T-SGS14/I T-SGS14/II



T-SGS14/I-C T-SGS14/II-W



T-SGS14/I, T-SGS14/II

- ◆ Super narrow 14mm center distance
- ◆ Anti-mis design, safe and reliable
- ◆ T-SGS14/I match with transmission rod to be multi lock point locking
- ◆ T-SGS14/II used for single point lock form
- ◆ T-SGS14/I Suitable for 2001 profiles
- ◆ T-SGS14/II Suitable for 2001 profiles and european standard 15 / 20C groove profiles
- ◆ T-SGS14/I-C Suitable for european standard 15 / 20C groove profiles
- ◆ T-SGS14/II-W Suitable for non-groove profiles
- ◆ Only used with KIN LONG TILAB lock cylinder series

T-MLS03

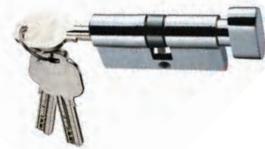
- ◆ Ergonomic design handle, comfortable grip, durable
- ◆ Accurate wrench reset and simple operation
- ◆ Can be customized for handle use
- ◆ Changing the position of the lock cylinder can be applied to the swing door system and used with the transmitter.

TILAB/T

- ◆ Brass material, surface plating.
- ◆ Corrosion resistance and superior performance
- ◆ Double hook lock T-SGS14 series special lock cylinder

T-KMB201

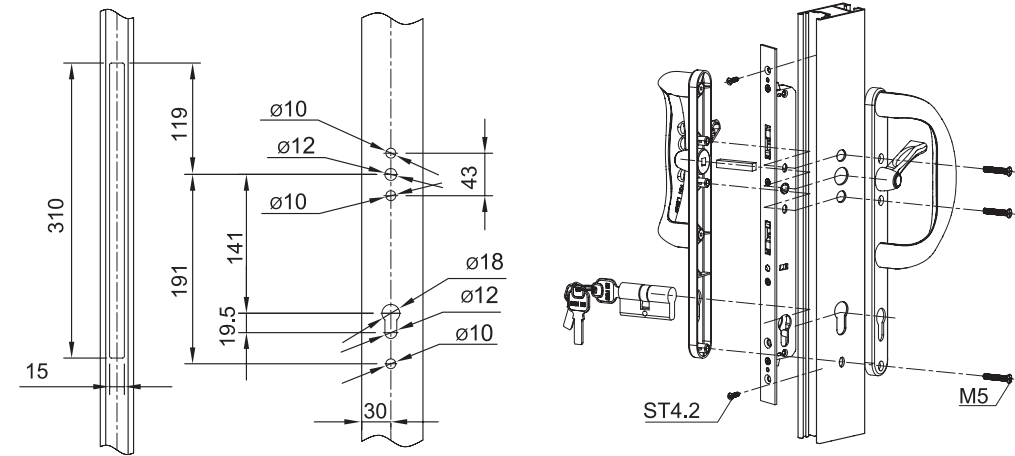
- ◆ Waist-shaped holes fixed to compensate for machining errors,
- ◆ Zinc alloy material, surface electrophoresis treatment
- ◆ T-SGS14 series matched accessory



Part Product Introduction

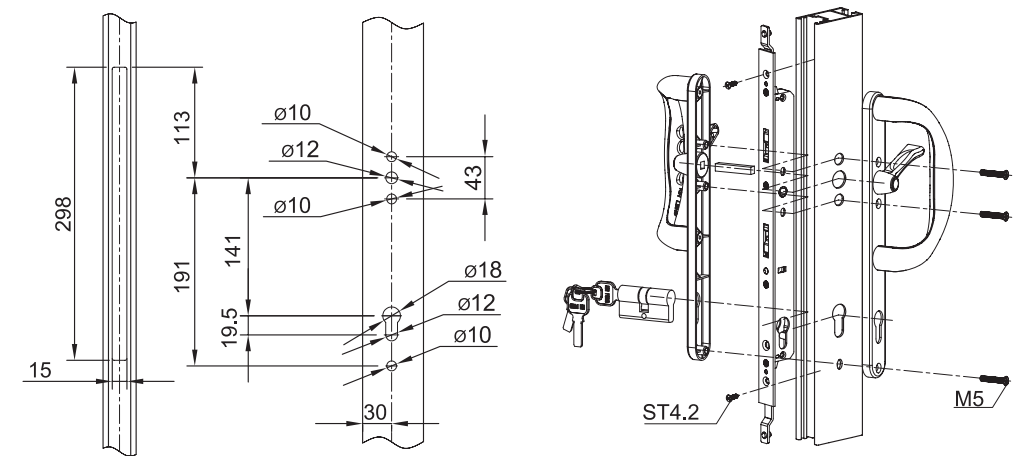
T-SGS 14/II-W Drilling installation diagram

(★ It is recommended to carry out the first sample test before opening holes)



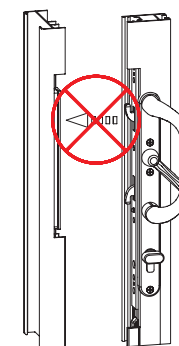
T-SGS14/I T-SGS12/II-C T-SGS14/II Drilling installation diagram

(★ It is recommended to carry out the first sample test before opening holes)



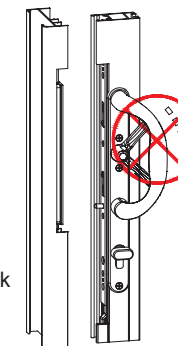
Cautious

⚠ ★ Misoperation diagram 1



When the double hook lock tongue is in the extended state, it is forbidden to close the door leaf. If you encounter the extended state of the hook and tongue, please pull the lever of the handle in time. There are two situations to retract the hook tongue to the hook lock panel:
 1. Lift the lever of the handle directly and turn it 90 degrees to retract the hook.
 2. Lift the lever of the handle directly, but it cannot be turned 90 degrees, which means that the lock core needs to turn the lock core to cancel the antilock when it twists the internal components to the "pretend anti-lock state". achieve hook and tongue retraction

⚠ ★ Misoperation diagram 2



Before closing the door leaf, do not try to lift or depress the lever when the tongue of the double hook lock is in the retracted state. Initial state (factory state): the hook tongue retracts into the hook lock panel, and the anti-error block is applied to the hook lock panel. when the anti-error block is compressed by the frame panel, the handle can be operated

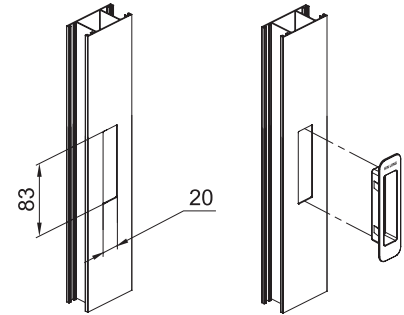
Part Product Introduction

Sliding handle TKS01
(Matching crescent lock series.)



- ◆ This product has simple appearance and no exposed screws
- ◆ Press the handle into the hole of the profile.

Drilling installation diagram of TKS01



⚠ The drilling size is determined by the wall thickness of the profile:
 t=1.0 ~ 1.4 drilling size 83X20 (Height*width,mm)
 t=1.8 ~ 2.0 drilling size 83X21.5 (Height*width,mm)
 (It's recommended to test sample before batch drilling)

Sliding handle TKS02
(Off matching TLS12、 TLS16 series)



- ◆ Drilling size: 184*20(Height*width,mm)
- ⚠ Note: The end with clamping block should facing down.

Sliding handle TKS03A
(Off matching TLS21 series)



- ◆ Drilling size: 178*20(Height*width,mm)
- ⚠ Note: The end with clamping block should facing down.

Sliding handle TKS04
(Off matching SDS10 series)



- ◆ Drilling size: 184*20(Height*width,mm)
- ⚠ Note: The end with clamping block should facing down.

The above 3 types of sliding handles adopt clip-on installation design and there is no exposed screws.
 Push the handle clip into the hole of the profile to finish it.
 (★ Advise experimental installation before batch opening)

Anti collision latch TFK01 (patented product)

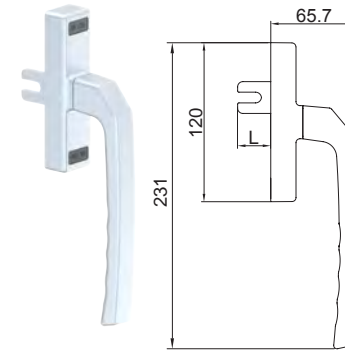


Push-pull system · anti misoperation solution (national patent)

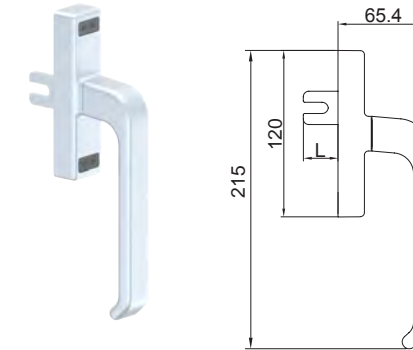


Part Product Introduction

Sliding handle TZS22-170



Sliding handle TZS23-155



- ◆ Long handle can be customized for TZS20
- ◆ Beautiful and aesthetic appearance.
- ◆ Better grasp and less labor-intensive.

Sliding handles TZS118,TZS120



- ◆ Screw cap design, no exposed screws, and integrated appearance.
- ◆ It can be used directly with the transmission rod, or it can be used with the 7*7 spindle and transmitter, with a variety of functions.

Limiting rack TZS23-08

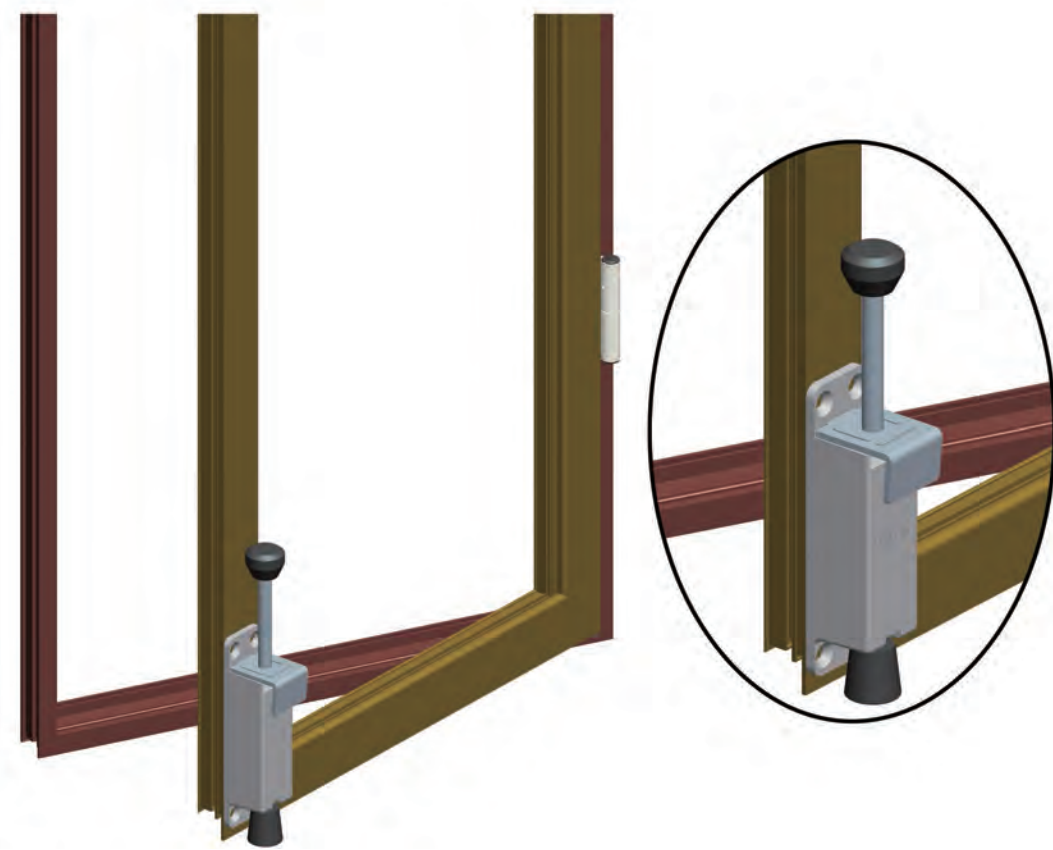


- ◆ Simple structure and convenient installation.
- ◆ For TZS series handle limit, limit the handle rotation angle range to 0-90°.

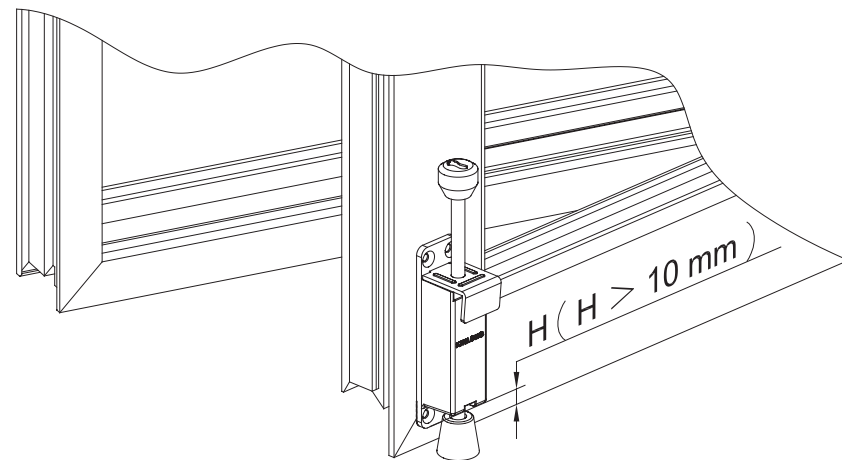
Part Product Introduction

Locator T-DM01

- ◆ Simple appearance
- ◆ Pedal positioning
- ◆ Pedal reset
- ◆ The part that rub against the floor are made of rubber to effectively protect the floor surface
- ◆ Positioning requirements can be achieved at any angle.



The installation diagram of the locator



III, Roller Hardware Series



The Selection of Roller Hardware

1. Roller selection

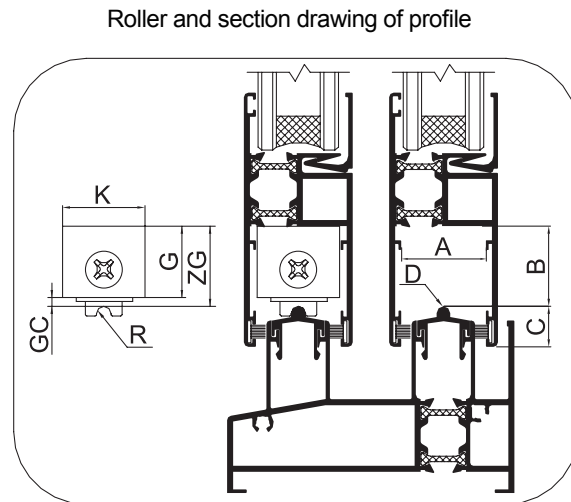
For sliding windows and doors, refer to several important diameters as the right chart shown to select the suitable rollers.

◆Main parameter of profiles:

- A: Width of profile cavity
- B: Height of the profile to sliding rail after assembly.
- C: Overlap of sash and frame, (usually 6~10mm)
- D: Shape of the sliding rail, (curve or angle).

◆Parameter of the selected roller:

- K: Width of the roller
- G: Height of the roller outer cover
- ZG: Height of overall roller
- GC: Amount after the overall height minus outer cover height
- R: Shape of the bearing.



◆The parameter relations:

- ★ $ZG=B$ (Roller overall height equals the height of the profile to the sliding rail after assembly.)
- ★ $K=A-0.5\sim 1\text{mm}$ (0.5~1mm gap should be reserved between the roller and profile for installation.)
- ★ $G=ZG-GC$ (When placing order, subject to the outer cover height G.)
- ★ $R\geq D$ (Select roller which the wheel equal or little bigger than the track)
- ★ Maximum load bearing of roller \leq sash dead weight (glass+profile+other accessories) $\times 1.4$ (safety factor)

2. Roller bearing capacity

- ◆ Roller safety bearing \geq fan weight (glass + profile + other accessories) \times safety factor value γ
- Safety factor γ determined according to the influence of factors such as construction environment and installation on the bearing capacity of the Roller (reference value 1.4).
- Not recommended for use at load critical points or beyond. The operating force of the active sash and the cycle life of the roller are related to the selection of the roller's load-bearing.**
- ◆ It is recommended that the ratio of width to height of sliding doors and windows $> 1/3$.

3. The using and maintenance for roller

- ◆ When you install the roller on site, please clean the rail in case the mortar or anything else to affect the open and close of the door and window.
- ◆ The roller can improve the performance of sliding windows and doors, such as sag and gab which was resulted in long-term using or incorrect installation.
- ◆ Do not store the product in the open air before installation, avoid exposure to the sun and rain.

4. Note:

- ◆ The bearing capacity of all roller in this catalogue is safety bearing capacity.
- ◆ When select the roller, please follow the technical proposals to arrange samples for trial installation, then confirm.
- ◆ Commonly used fastening screws are ST4.2 pan head self-tapping screws/ST4.2 pan head self-drilling & tapping screws.
- ◆ In no event shall KIN LONG takes the quality responsibility for the products beyond the limit of use or mixing use with other products uncommitted.
- ◆ We reserve the right to update products and improve technique

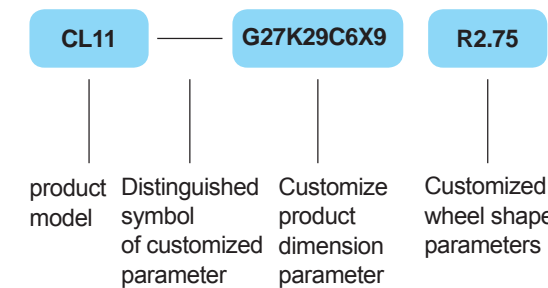
Commonly Used Roller Series



Commonly used roller series

According to the specifications of the sliding doors & windows size bearing demand for rollers, products are divided into different bearing level, minimum weight 25 kg, maximum load bearing 400 kg. rollers' size can be adjusted according to the customers's sliding profiles cavity size correspondingly, realizes the roller and profile perfect match. Wheels' size and shape also can be selected according to the application of the sliding doors & windows track.

Code rule



Code instruction

- **CL** window roller
- **ML** Door roller
- **CLS** screen window roller
- **DXL** guide roller
- **JLZ** Metal roller

Wheel shape




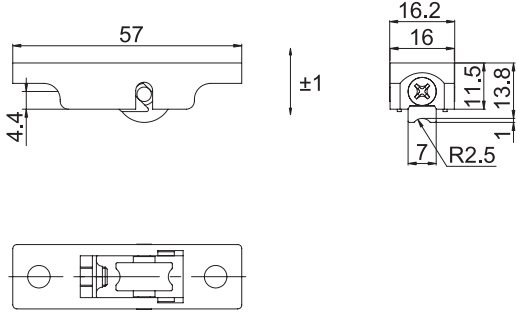

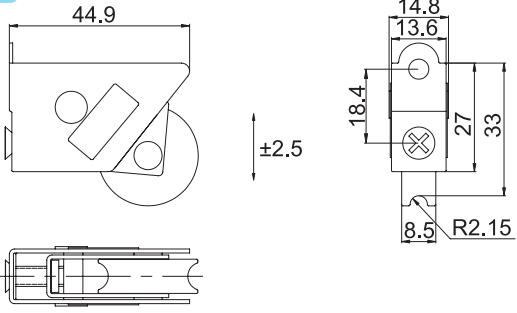

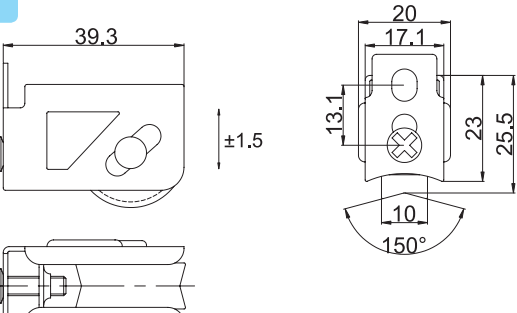

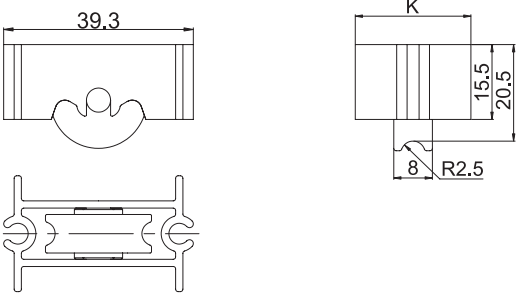
Arc shape

Angle shape


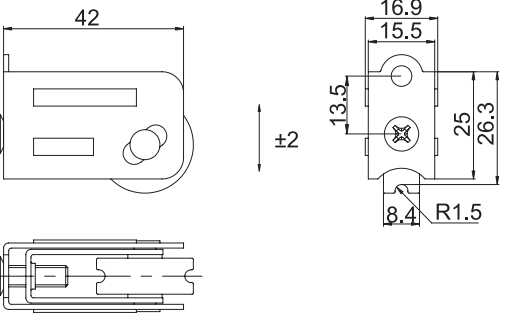

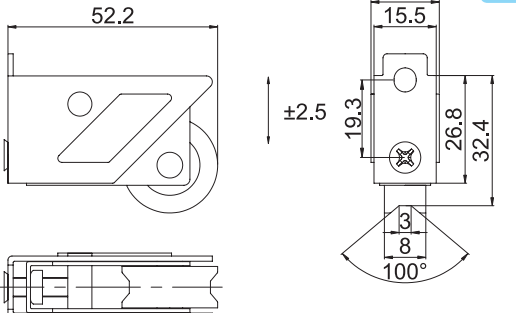
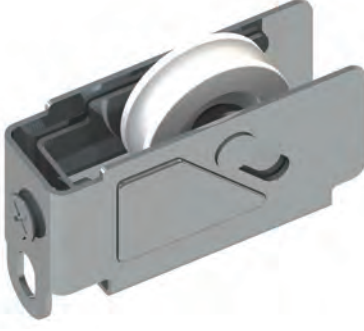
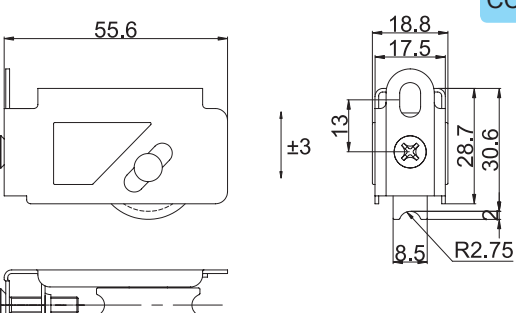

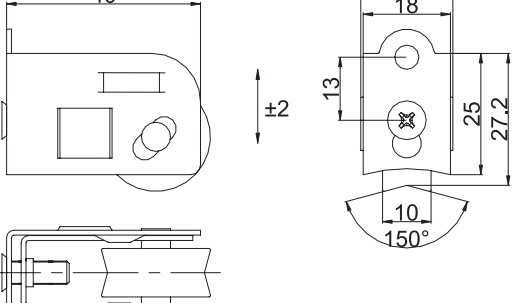
- Material: high quality wear-resistant engineering plastics
- Wheel shape can be customized according to the track (It is recommended to use a small arc, such as R2.75, which can make the opening fan run more smoothly)
- For special wheel shape requirements, please communicate and confirm with technical personnel of the Kin Long

In order to facilitate the search, roller products are sorted in accordance with the number of wheels → load-bearing → fixed way.


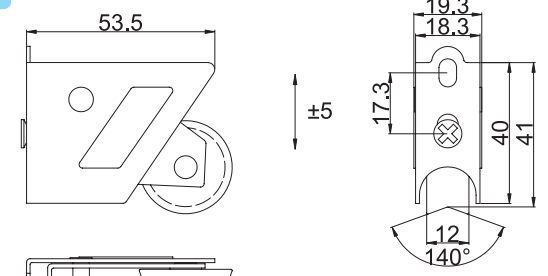

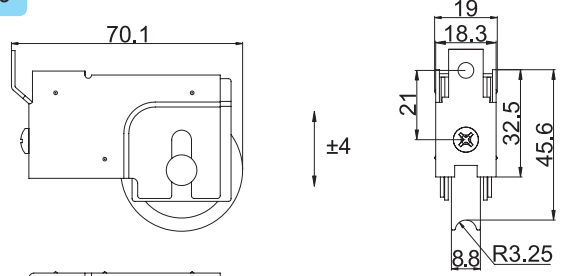

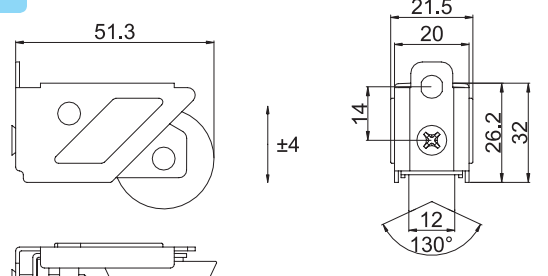

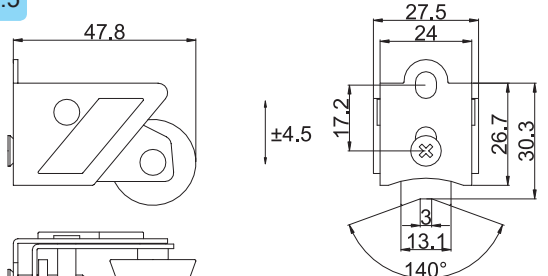
Commonly Used Roller Series

	<p>CCL60G11K16</p>  <p>◆ Bearing capacity: 25kg/2 rollers</p>
	<p>CCL60G27K14.8</p>  <p>◆ Bearing capacity: 30kg/2 rollers</p>
	<p>CCL60G23K20</p>  <p>◆ Bearing capacity: 30kg/2 rollers</p>
	<p>CL20</p>  <p>◆ Bearing capacity: 35kg/2 rollers</p> <p>K=14~24mm</p>


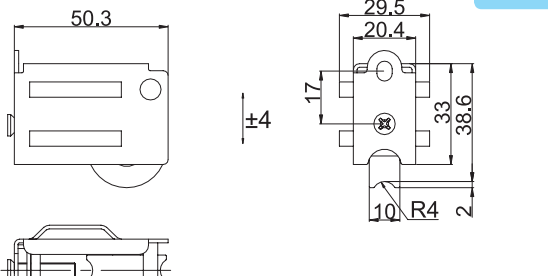

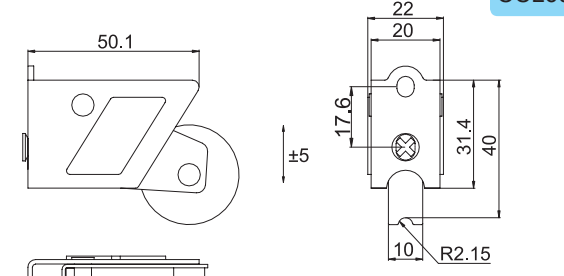

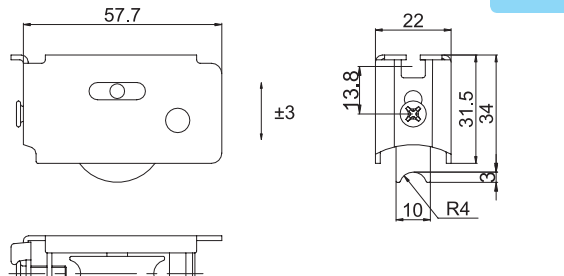

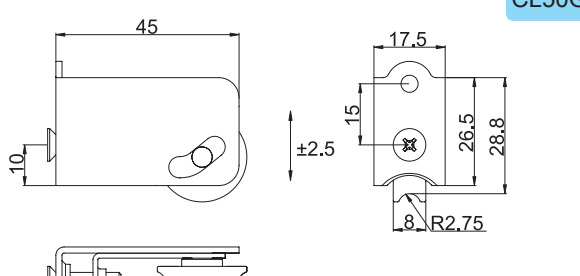
Commonly Used Roller Series

	<p>CL60G25K17</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL60G27K17</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CCL60G29K18.8</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL60G25K19</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>


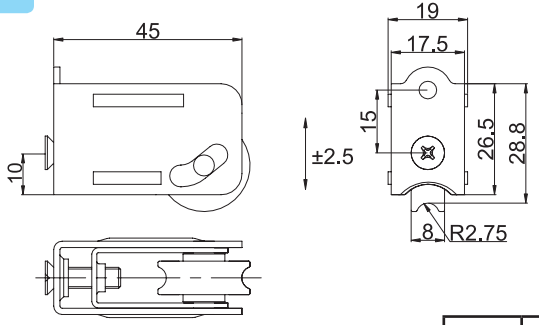


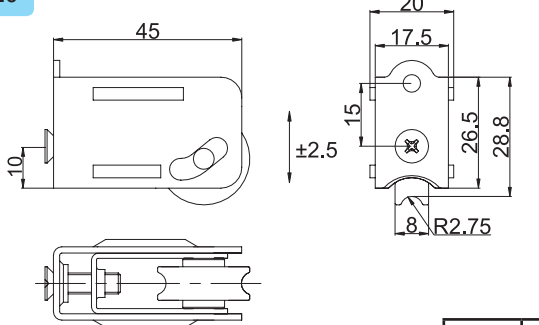


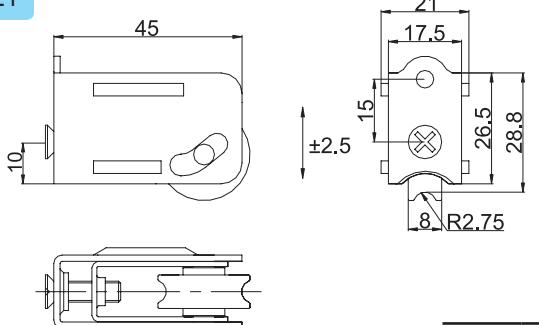


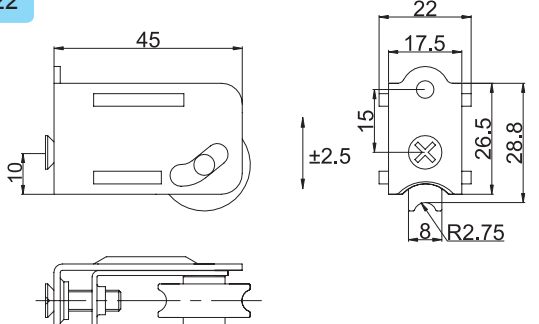

Commonly Used Roller Series

	<p>CCLD010</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL60G32.5K19</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL60G26K21.5</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CCL60G25K27.5</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>


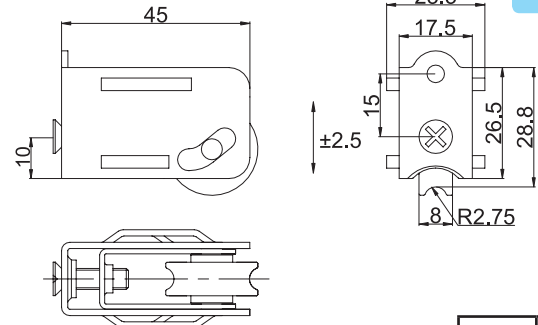


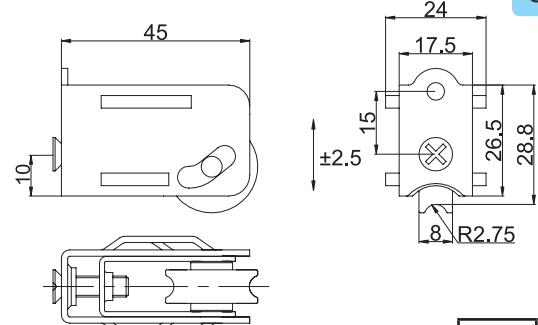


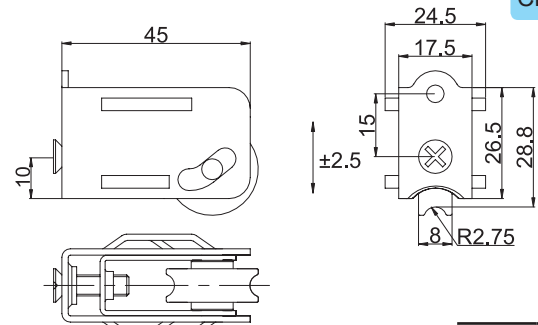


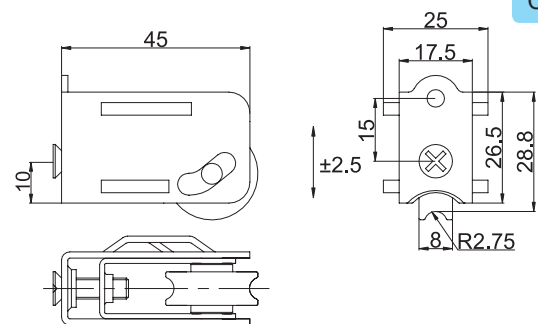

Commonly Used Roller Series

	<p>CCL60G33K30A</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CCL60G31.4K22</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL60G31.5K22</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL50G26.5K17.5</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width: 10</p>


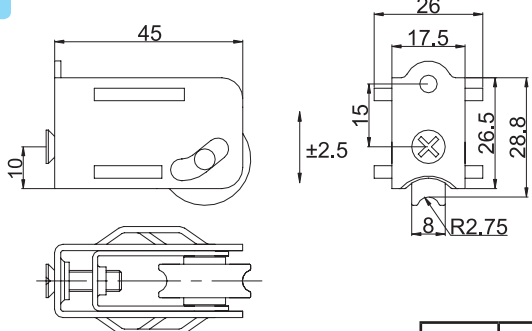


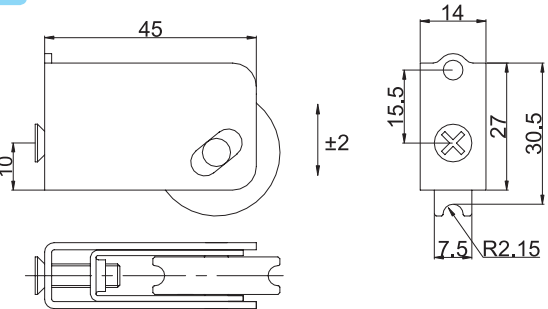

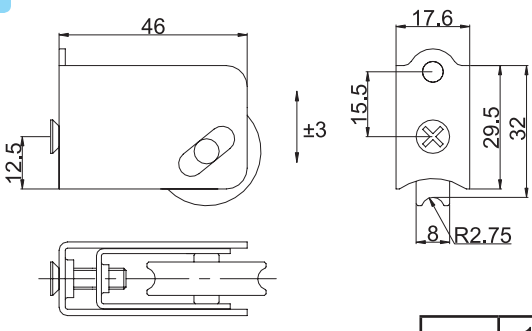


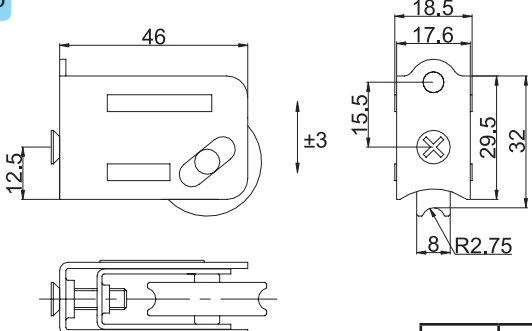

Commonly Used Roller Series

	<p>CL50G26.5K19</p>	 <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>
	<p>CL50G26.5K20</p>	 <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>
	<p>CL50G26.5K21</p>	 <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>
	<p>CL50G26.5K22</p>	 <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>


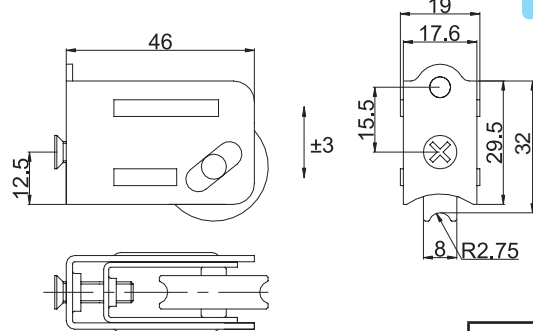


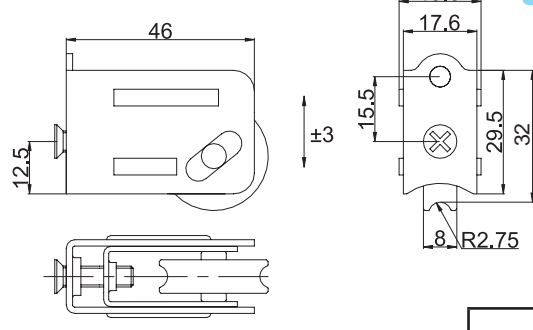


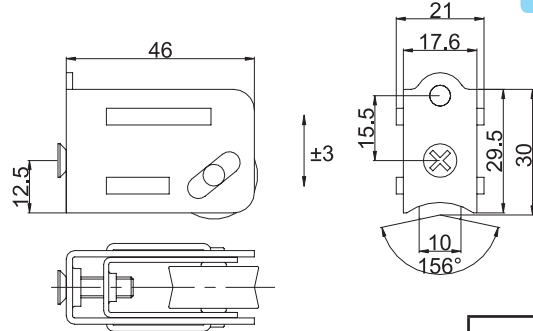


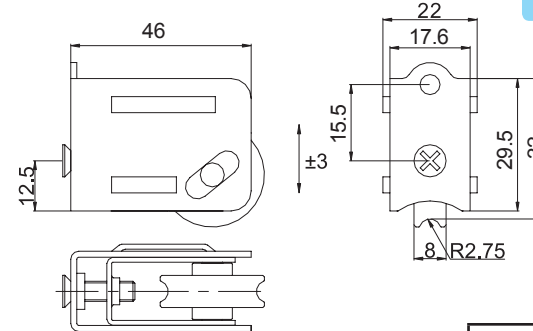

Commonly Used Roller Series

	<p>CL50G26.5K23.5</p>	 <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>
	<p>CL50G26.5K24</p>	 <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>
	<p>CL50G26.5K24.5</p>	 <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>
	<p>CL50G26.5K25</p>	 <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>


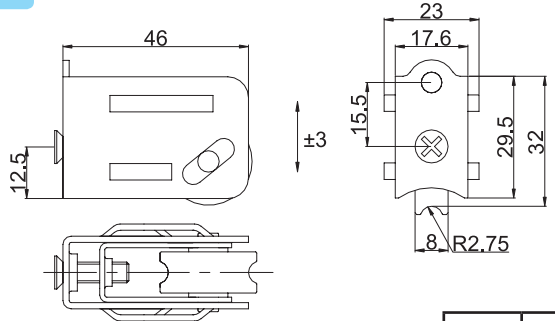

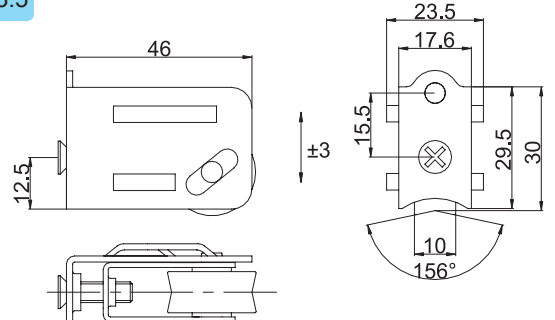

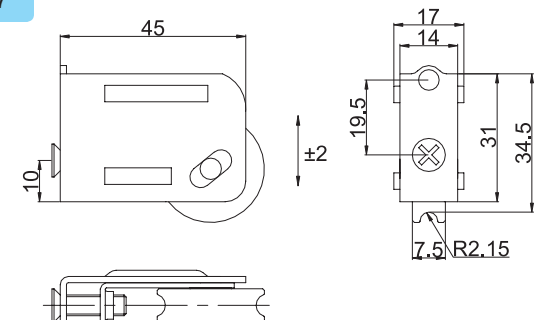

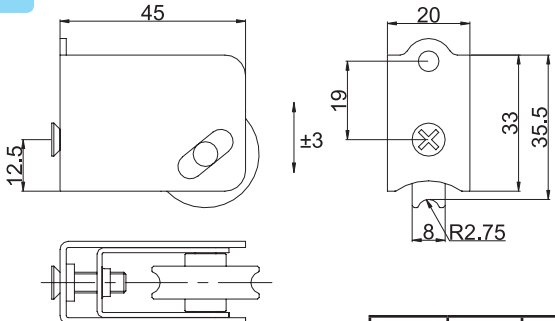
Commonly Used Roller Series

	<p>CL50G26.5K26</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>
	<p>CL50G27K14</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL50G29.5K17.6</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>
	<p>CL50G29.5K18.5</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>


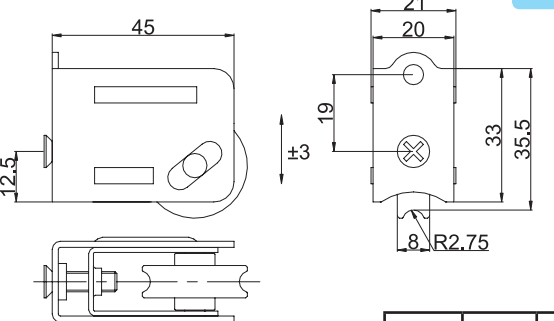

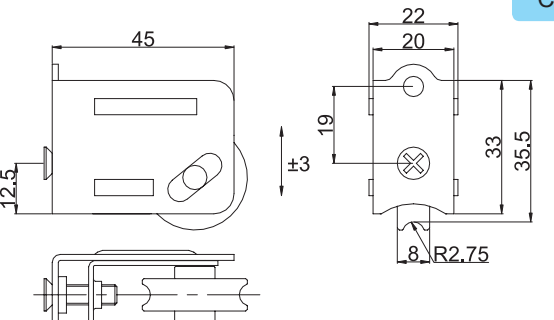

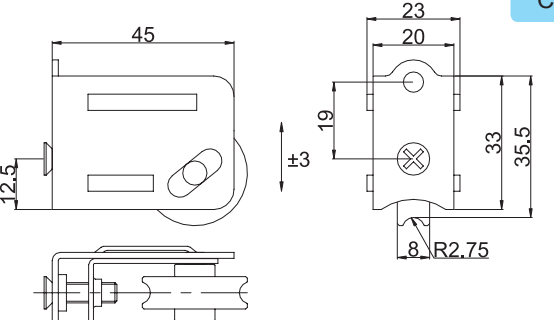

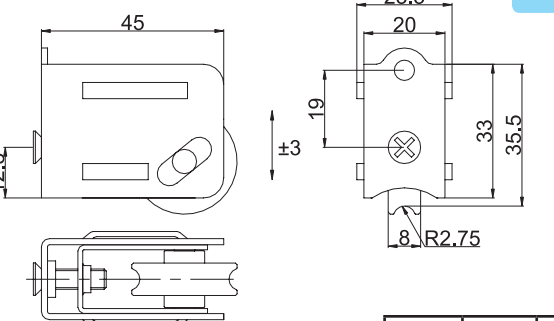
Commonly Used Roller Series

	<p>CL50G29.5K19</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>
	<p>CL50G29.5K19.6</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>
	<p>CL50G29.5K21</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  8</p>
	<p>CL50G29.5K22</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width  10</p>


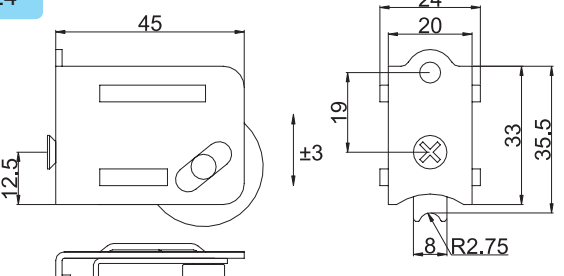

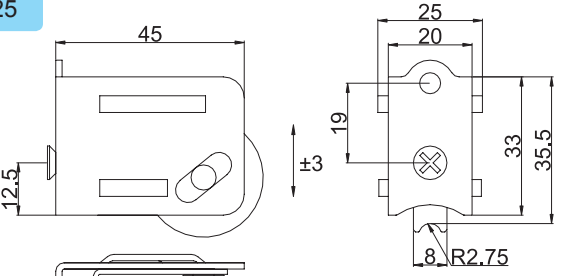

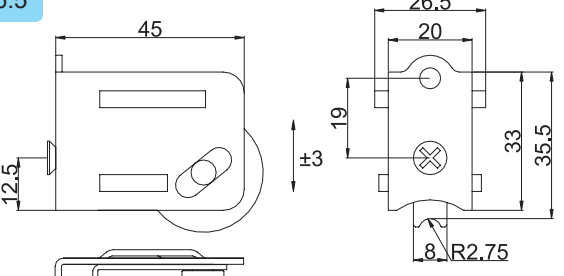

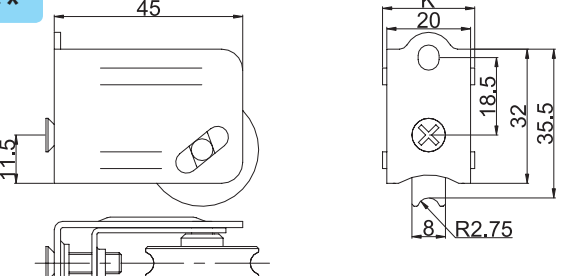
Commonly Used Roller Series

	<p>CL50G29.5K23</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width: 10</p>
	<p>CL50G29.5K23.5</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width: 8</p>
	<p>CL50G31K17</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL50G33K20</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width: 10, 12</p>


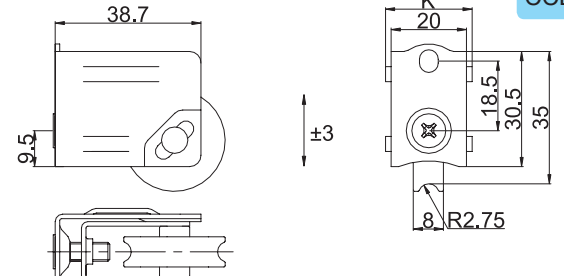

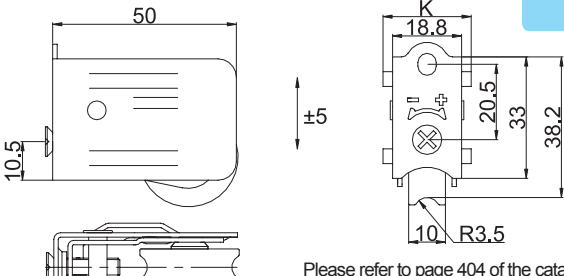

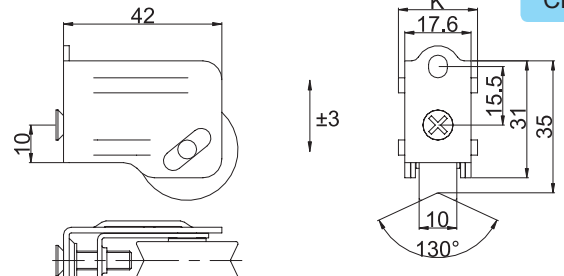

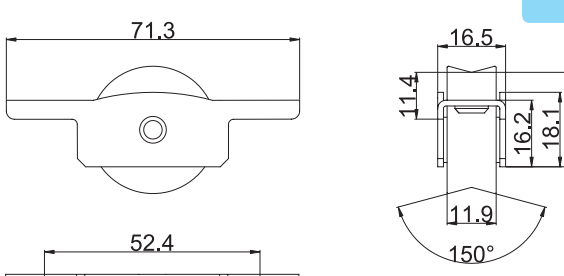
Commonly Used Roller Series

	<p>CL50G33K21</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width: 10, 12</p>
	<p>CL50G33K22</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width: 10, 12</p>
	<p>CL50G33K23</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width: 10, 12</p>
	<p>CL50G33K23.5</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>Interchangeable wheel width: 10, 12</p>


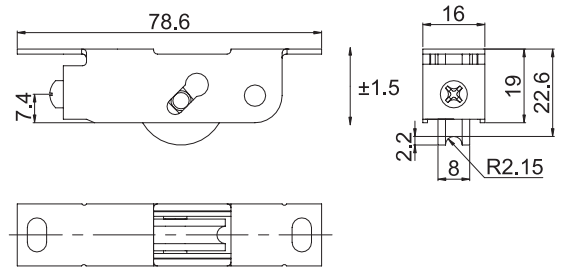

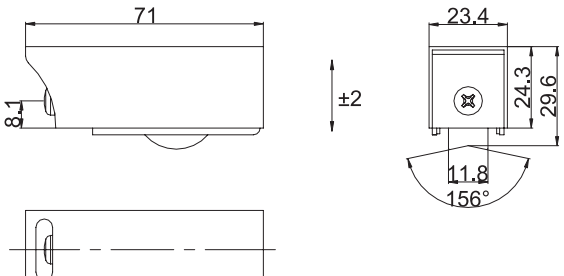

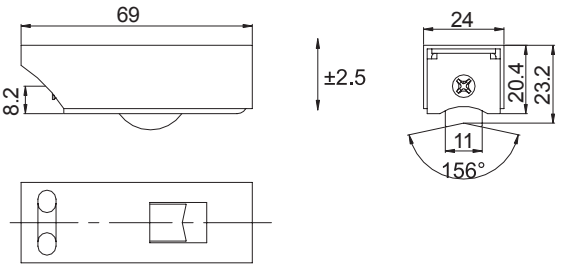

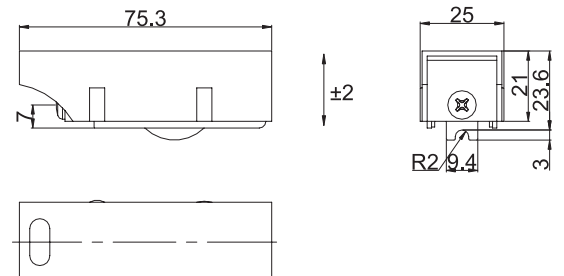
Commonly Used Roller Series

	<p>CL50G33K24</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>10</td> <td>12</td> </tr> </table>	Interchangeable wheel width	10	12								
Interchangeable wheel width	10	12										
	<p>CL50G33K25</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>10</td> <td>12</td> </tr> </table>	Interchangeable wheel width	10	12								
Interchangeable wheel width	10	12										
	<p>CL50G33K26.5</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>10</td> <td>12</td> </tr> </table>	Interchangeable wheel width	10	12								
Interchangeable wheel width	10	12										
	<p>CL50G32K**</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>width K(mm)</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26.5</td> </tr> </table> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>10</td> <td>12</td> </tr> </table>	width K(mm)	20	21	22	23	24	25	26.5	Interchangeable wheel width	10	12
width K(mm)	20	21	22	23	24	25	26.5					
Interchangeable wheel width	10	12										


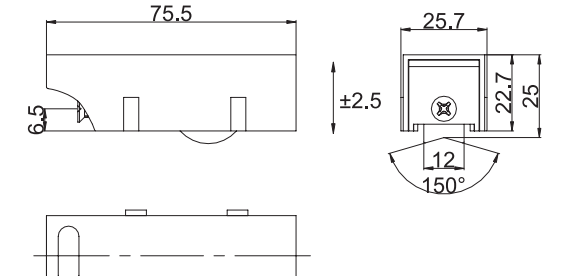

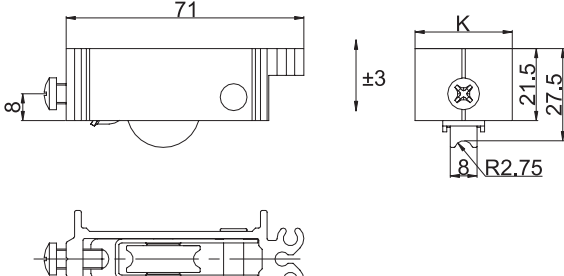

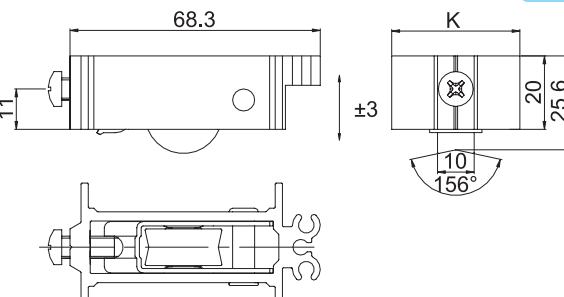
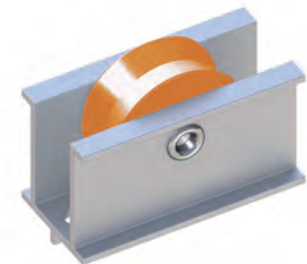
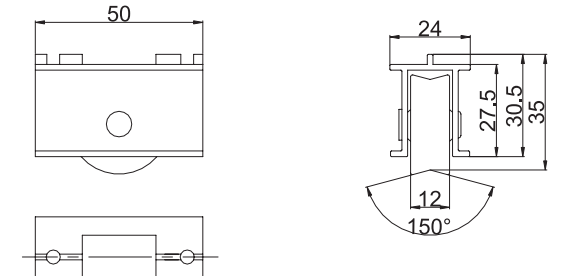
Commonly Used Roller Series

	<p>CCL55G30.5K**</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>width K(mm)</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>26.5</td> </tr> </table>	width K(mm)	20	21	22	23	24	25	26	26.5		
width K(mm)	20	21	22	23	24	25	26	26.5				
	<p>CCL56</p>  <p>Please refer to page 404 of the catalogue for product introduction details</p> <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>width K(mm)</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> </tr> </table> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>8</td> <td>12</td> </tr> </table>	width K(mm)	20	21	22	23	24	25	26	Interchangeable wheel width	8	12
width K(mm)	20	21	22	23	24	25	26					
Interchangeable wheel width	8	12										
	<p>CL61G31K**</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>width K(mm)</td> <td>17.6</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>24.5</td> <td>25</td> </tr> </table>	width K(mm)	17.6	18	19	20	21	22	23	24	24.5	25
width K(mm)	17.6	18	19	20	21	22	23	24	24.5	25		
	<p>CCLD003</p>  <p>◆ Bearing capacity: 50kg/2 rollers</p>											

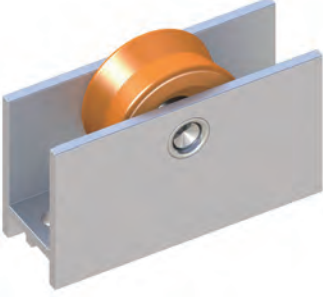
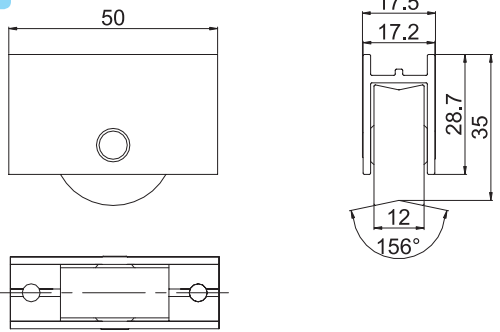

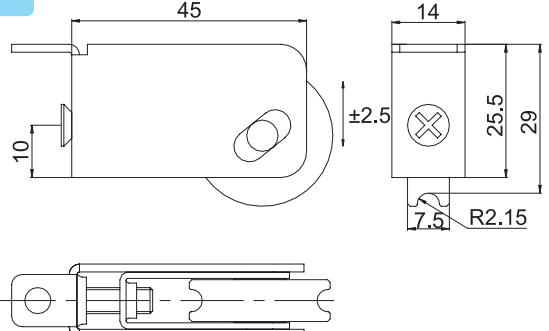

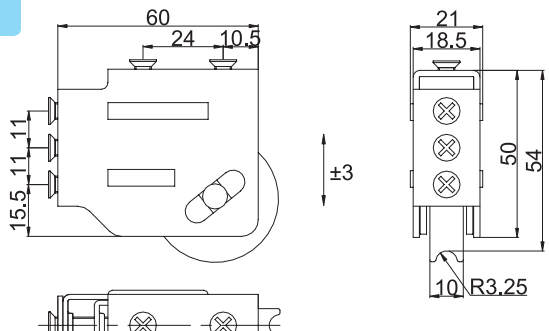

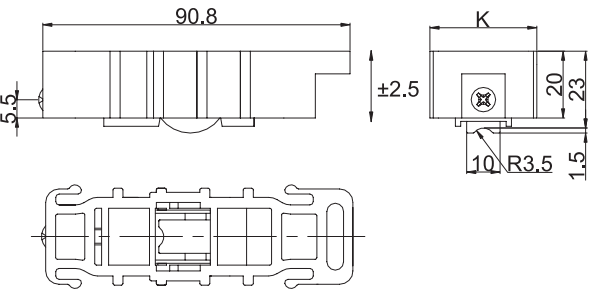
Commonly Used Roller Series

	<p>CL60G19K16</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL60G24.3K23.4</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL60G21K24A</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL60G21K25</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>

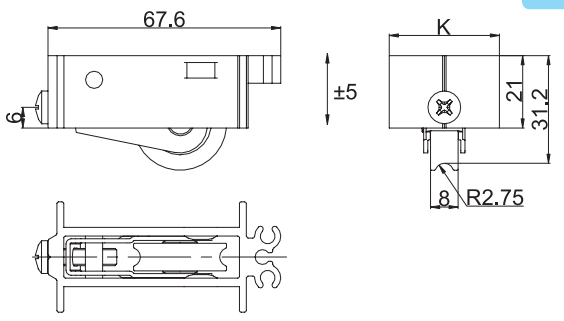

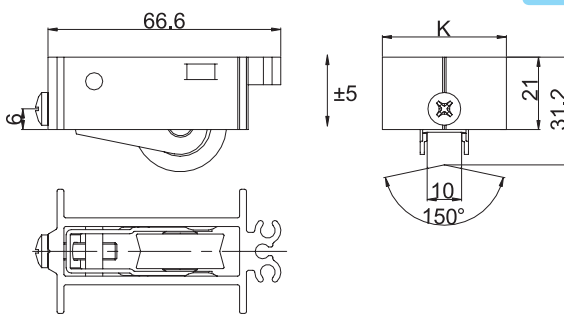

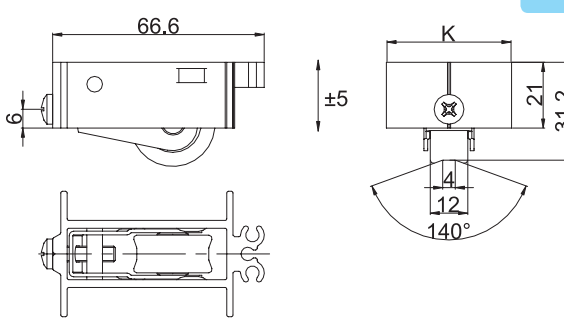

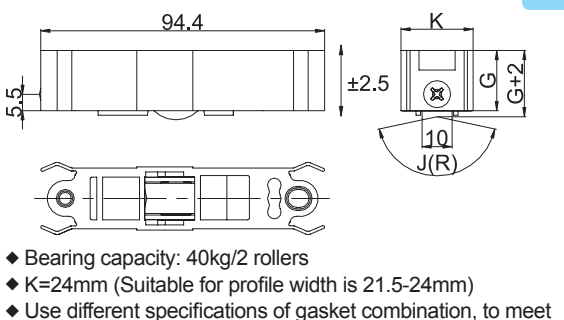

Commonly Used Roller Series

	<p>CL60G23K26</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL10B</p>  <p>◆ Bearing capacity: 40kg/2 rollers K=18.5-29mm</p>
	<p>CL11</p>  <p>◆ Bearing capacity: 40kg/2 rollers K=21.5-35mm</p>
	<p>CL16</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>

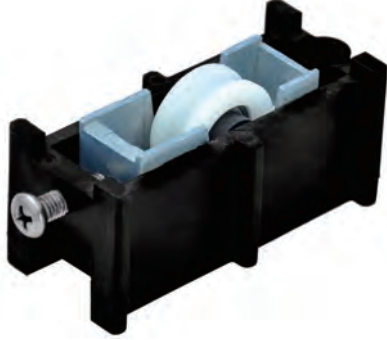
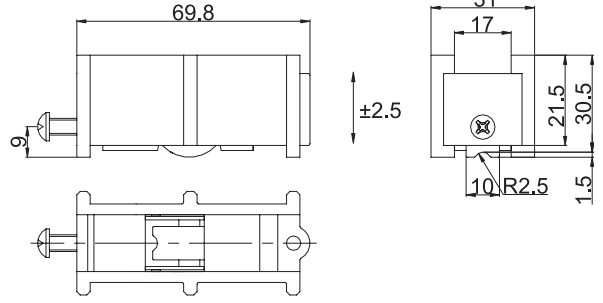
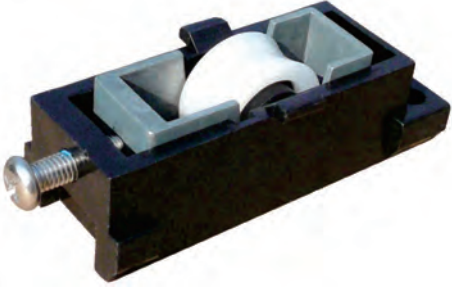
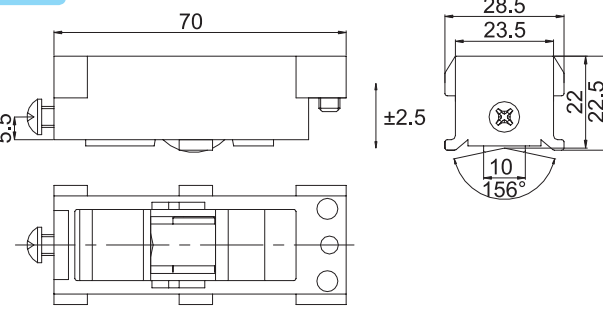
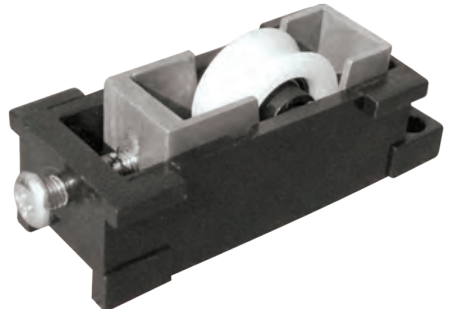
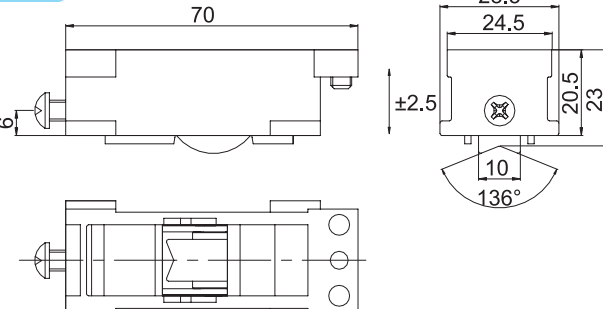

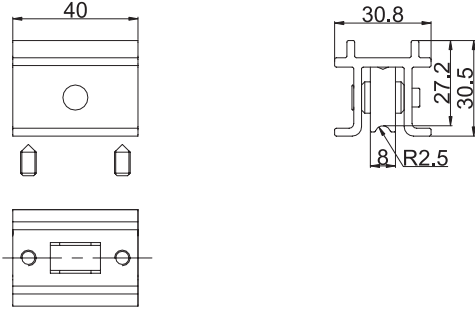
Commonly Used Roller Series

	<p>CL17</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL60</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CL90</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CLG90</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>K=29~30mm</p>


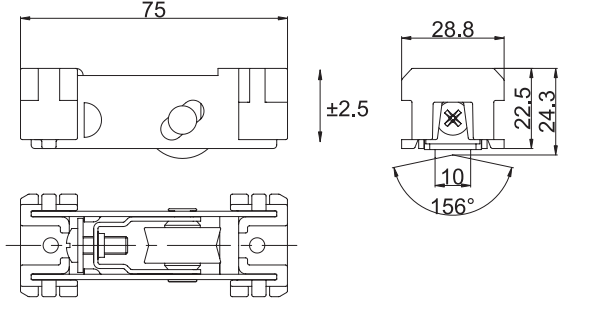
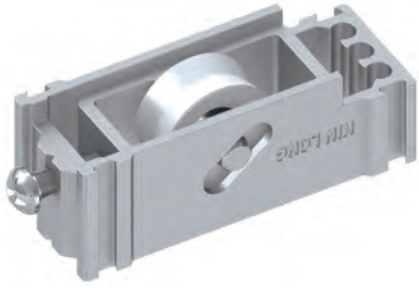
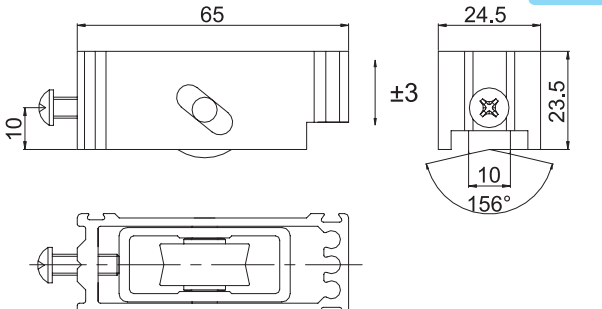

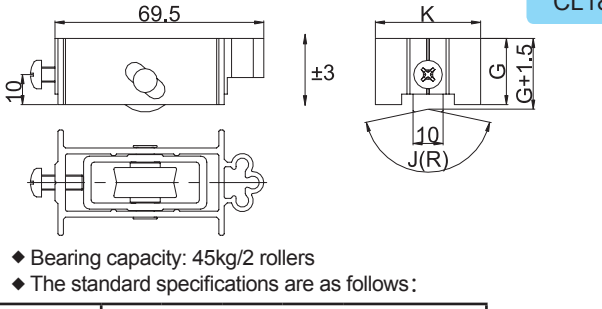
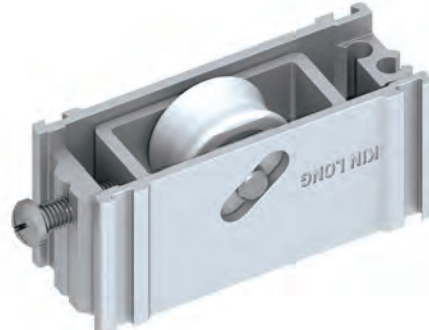
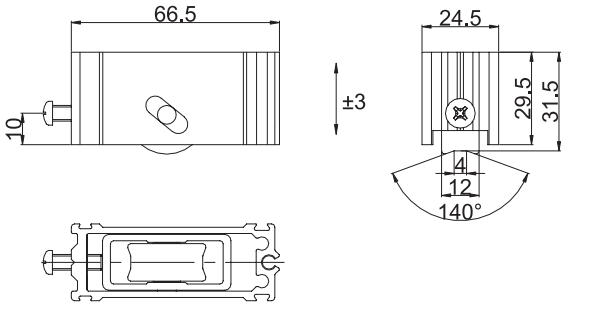
Commonly Used Roller Series

 <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>K=17.5~32mm</p>	<p>CCL21</p>  <p>Patented products</p>							
 <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>K=20~36mm</p>	<p>CCL22</p>  <p>Patented products</p>							
 <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>K=22~40mm</p>	<p>CCL23</p>  <p>Patented products</p>							
 <p>◆ Bearing capacity: 40kg/2 rollers</p> <p>◆ K=24mm (Suitable for profile width is 21.5-24mm)</p> <p>◆ Use different specifications of gasket combination, to meet the roller height change.</p> <table border="1"> <tr> <td>Height G(mm)</td> <td>20</td> <td>22</td> <td>24</td> <td>26</td> <td>28</td> <td>30</td> </tr> </table>	Height G(mm)	20	22	24	26	28	30	<p>CLG20</p>  <p>Patented products</p>
Height G(mm)	20	22	24	26	28	30		


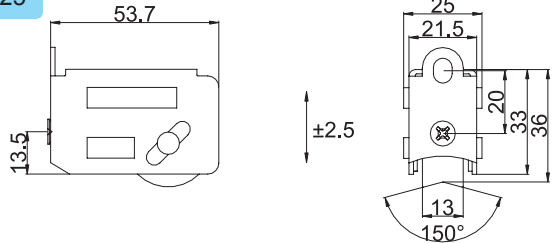

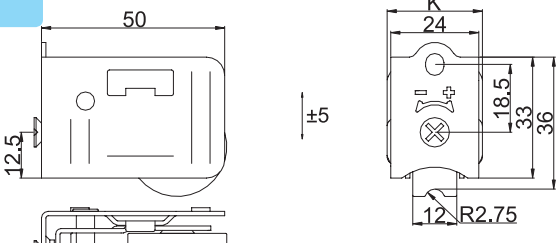
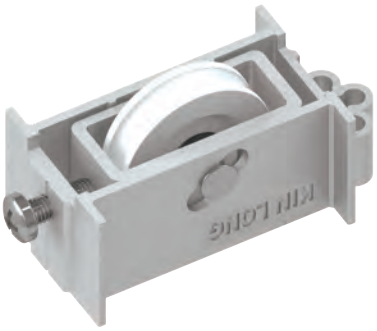
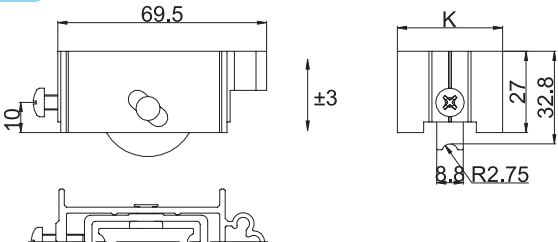

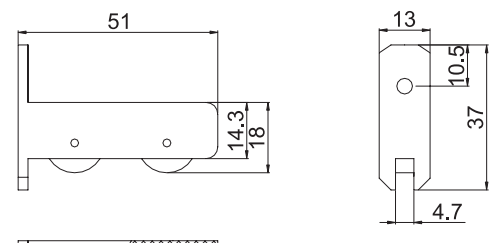
Commonly Used Roller Series

	<p>CLG30</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CLG70</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CLG83</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CCL25</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>


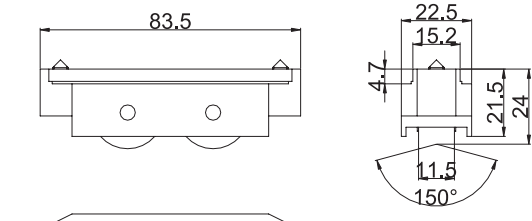

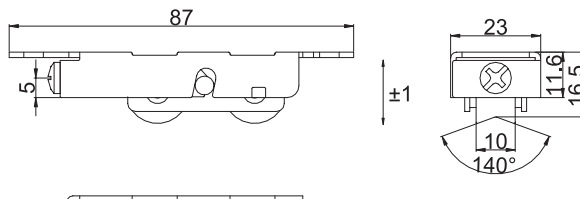

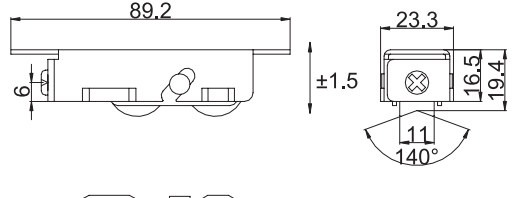

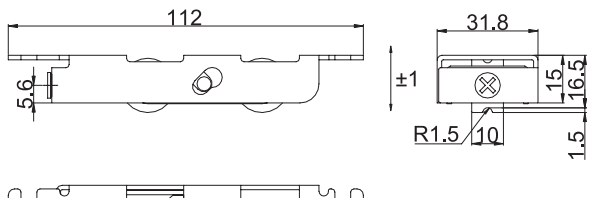
Commonly Used Roller Series

	<p>CCL26</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>																		
	<p>CL15</p>  <p>◆ Bearing capacity: 45kg/2 rollers</p> <p>K=22.5~24.5</p>																		
	<p>CL18-GKJ(R)</p>  <p>◆ Bearing capacity: 45kg/2 rollers</p> <p>◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td colspan="5">23~35 (the dimension interval is 0.5mm)</td> </tr> <tr> <td>Height G(mm)</td> <td>23</td> <td>24</td> <td>25</td> <td></td> <td></td> </tr> <tr> <td>Angle J (R)</td> <td>J136</td> <td>J140</td> <td>J150</td> <td>J156</td> <td>R2.75 R3.5 R5</td> </tr> </table> <p>Patented products</p>	Width K(mm)	23~35 (the dimension interval is 0.5mm)					Height G(mm)	23	24	25			Angle J (R)	J136	J140	J150	J156	R2.75 R3.5 R5
Width K(mm)	23~35 (the dimension interval is 0.5mm)																		
Height G(mm)	23	24	25																
Angle J (R)	J136	J140	J150	J156	R2.75 R3.5 R5														
	<p>CCL19</p>  <p>◆ Bearing capacity: 45kg/2 rollers</p>																		


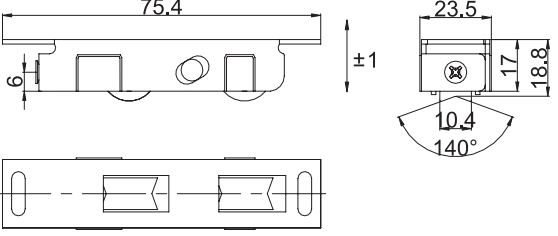

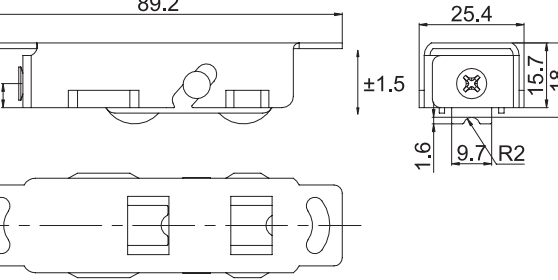

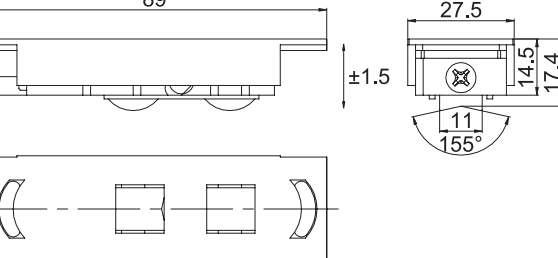

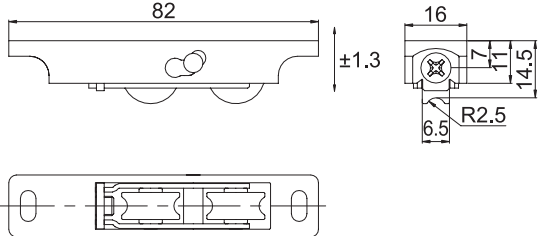
Commonly Used Roller Series

	<p>CCL60G33K25</p>  <p>◆ Bearing capacity: 50kg/2 rollers</p>										
	<p>CCL57</p>  <p>◆ Bearing capacity: 50kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>8</td> <td>10</td> </tr> <tr> <td>width K(mm)</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> <td>32</td> </tr> </table>	Interchangeable wheel width	8	10	width K(mm)	26	27	28	29	30	32
Interchangeable wheel width	8	10									
width K(mm)	26	27	28	29	30	32					
	<p>CCL24</p>  <p>◆ Bearing capacity: 70kg/2 rollers K=23.5~35mm</p>										
	<p>ML60G18K13</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>										


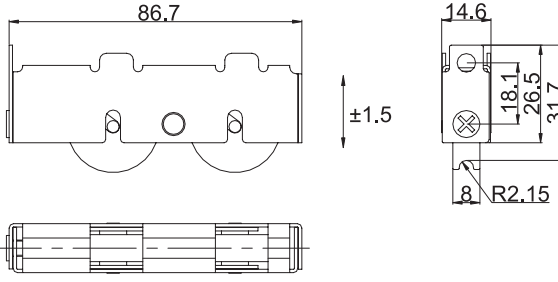

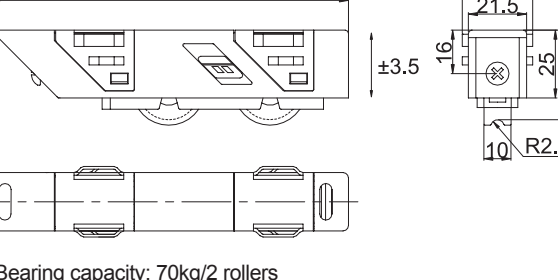

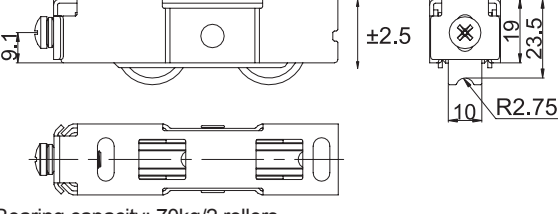

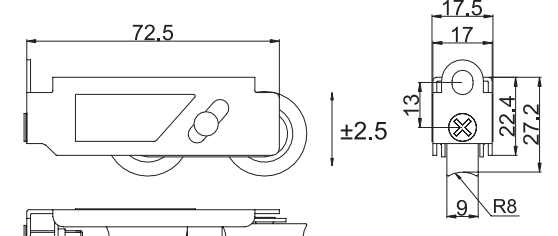
Commonly Used Roller Series

	<p>ML60G21.5K22.5</p>  <p>◆ Bearing capacity: 40kg/2 rollers</p>
	<p>CMLD001</p>  <p>◆ Bearing capacity: 50kg/2 rollers</p>
	<p>ML60G16.5K23.3</p>  <p>◆ Bearing capacity: 50kg/2 rollers</p>
	<p>CCLD011</p>  <p>◆ Bearing capacity: 50kg/2 rollers</p>


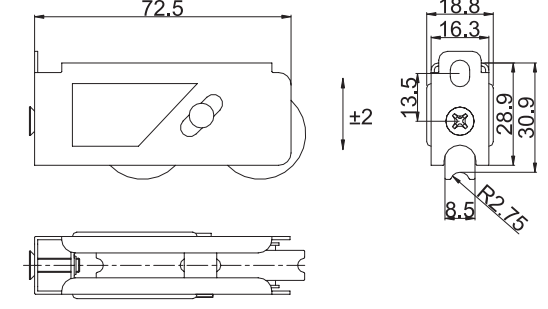
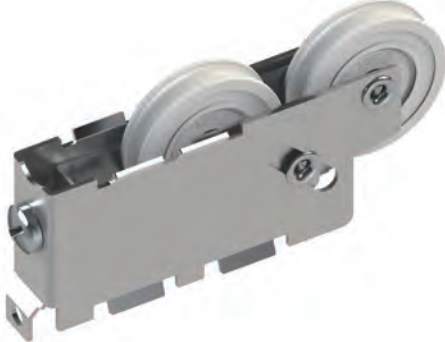
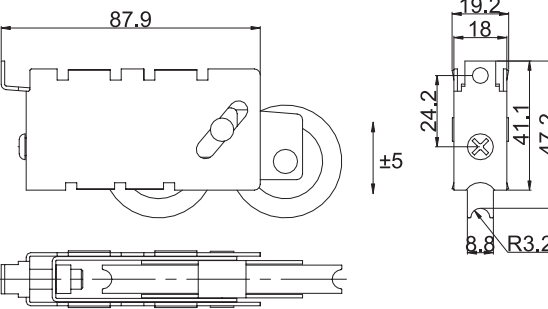

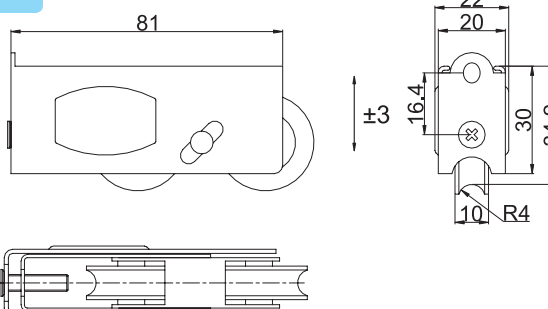

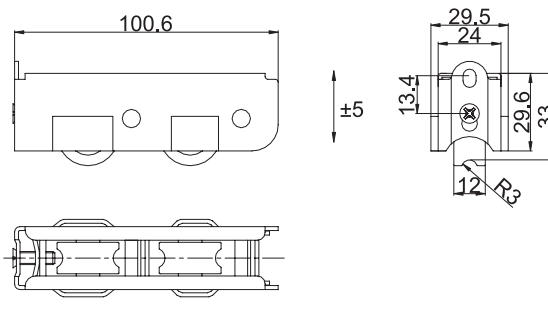
Commonly Used Roller Series

	<p>ML60G17K23.5</p>  <p>◆ Bearing capacity: 50kg/2 rollers</p>
	<p>ML60G17K25.8</p>  <p>◆ Bearing capacity: 50kg/2 rollers</p>
	<p>ML60G15K27.5</p>  <p>◆ Bearing capacity: 50kg/2 rollers</p>
	<p>ML20</p>  <p>◆ Bearing capacity: 50kg/2 rollers</p>

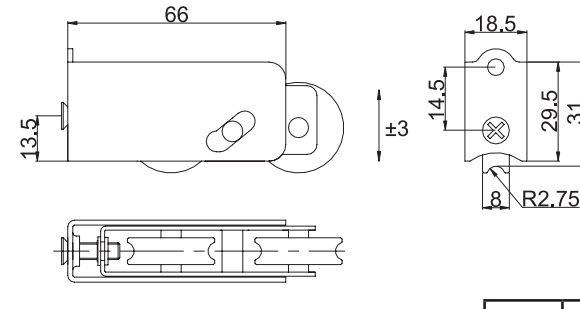

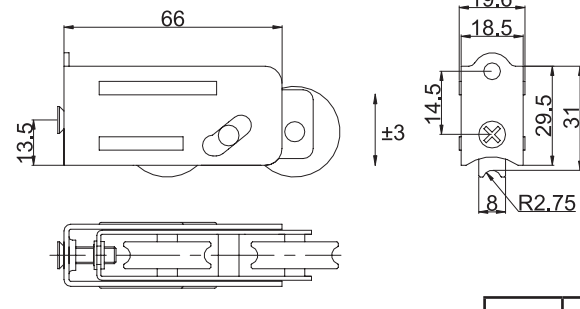

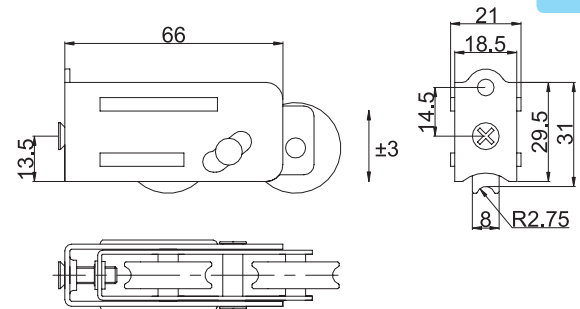

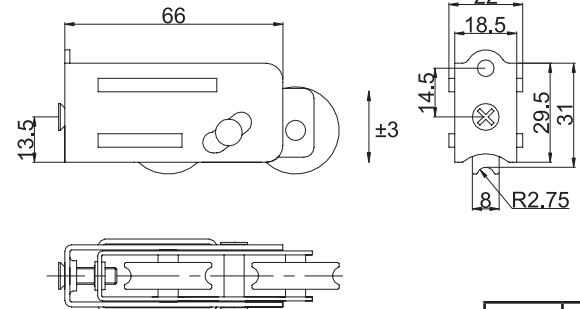

Commonly Used Roller Series

	<p>CML60G26.5K14.6</p>  <p>◆ Bearing capacity: 60kg/2 rollers</p>																		
	<p>CMLG001</p>  <p>◆ Bearing capacity: 70kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>width K(mm)</td> <td>21.5</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> </tr> </table> <p>Please refer to page 407 of the catalogue for product introduction details</p>	width K(mm)	21.5	22	23	24	25	26											
width K(mm)	21.5	22	23	24	25	26													
	<p>CML013</p>  <p>◆ Bearing capacity: 70kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>width K(mm)</td> <td>21.2</td> <td>25</td> <td>28</td> <td>29</td> <td>30</td> <td>31</td> <td>32</td> <td>33</td> </tr> <tr> <td></td> <td>34</td> <td>35</td> <td>36</td> <td>37</td> <td>38</td> <td>39</td> <td>40</td> <td>41</td> </tr> </table> <p>Please refer to page 408 of the catalogue for product introduction details</p>	width K(mm)	21.2	25	28	29	30	31	32	33		34	35	36	37	38	39	40	41
width K(mm)	21.2	25	28	29	30	31	32	33											
	34	35	36	37	38	39	40	41											
	<p>ML60G22.7K17.5A</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>																		


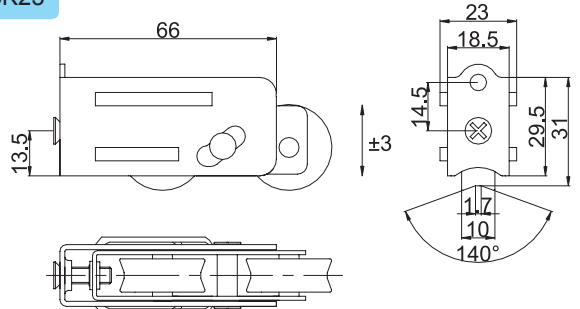

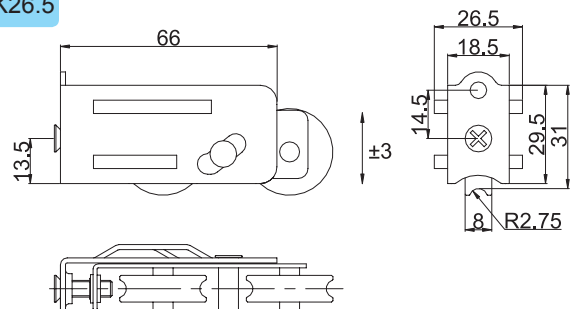

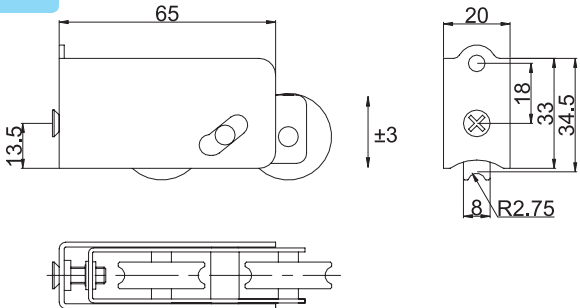

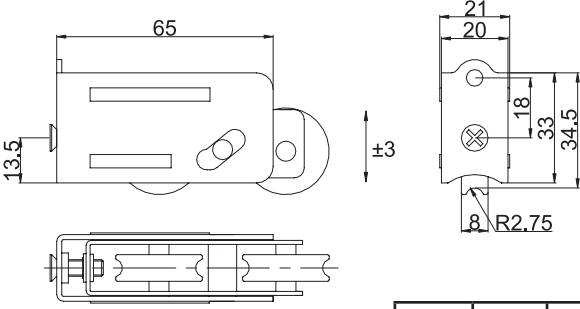
Commonly Used Roller Series

	<p>CML60G29K18.8</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>
	<p>ML60G41K19.2</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>
	<p>ML60G30K22A</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>
	<p>CML60G29.6K29.5</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>


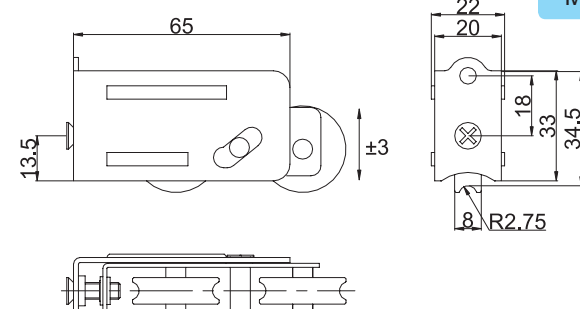

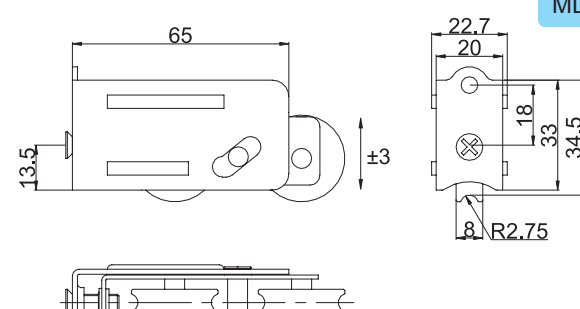

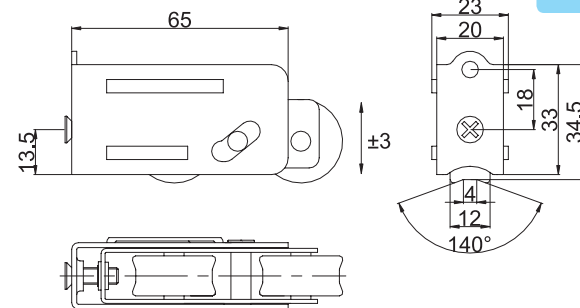

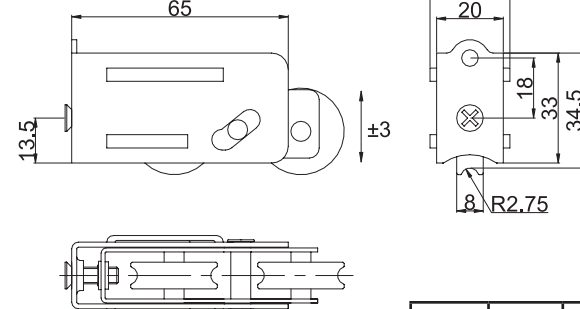
Commonly Used Roller Series

 <p>◆ Bearing capacity: 80kg/2 rollers</p> <p>Interchangeable wheel width: 10</p>	
 <p>◆ Bearing capacity: 80kg/2 rollers</p> <p>Interchangeable wheel width: 10</p>	
 <p>◆ Bearing capacity: 80kg/2 rollers</p> <p>Interchangeable wheel width: 10</p>	
 <p>◆ Bearing capacity: 80kg/2 rollers</p> <p>Interchangeable wheel width: 10</p>	


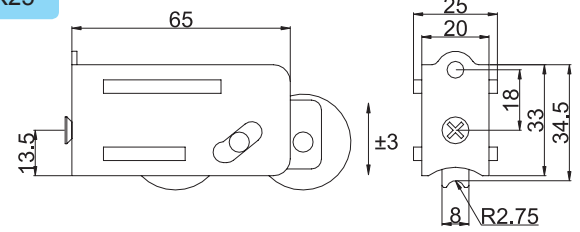

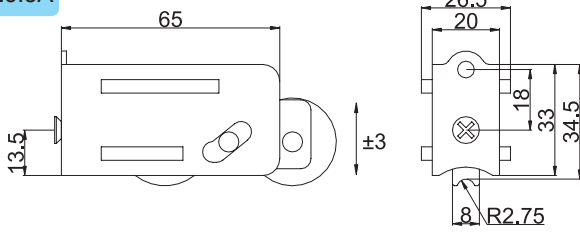

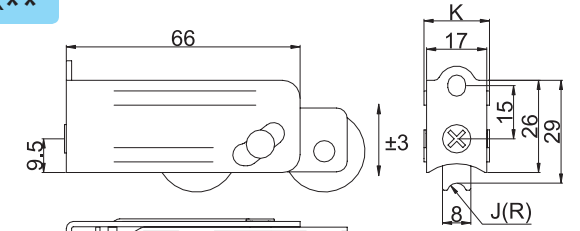

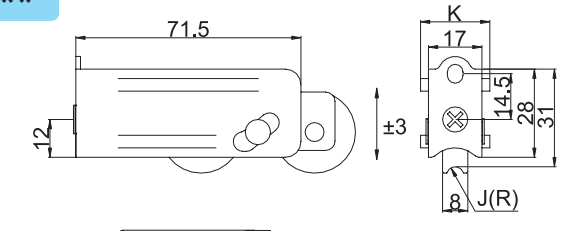
Commonly Used Roller Series

	<p>ML50G29.5K23</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p> <p>Interchangeable wheel width: 8</p>
	<p>ML50G29.5K26.5</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p> <p>Interchangeable wheel width: 10</p>
	<p>ML50G33K20</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p> <p>Interchangeable wheel width: 10, 12</p>
	<p>ML50G33K21</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p> <p>Interchangeable wheel width: 10, 12</p>


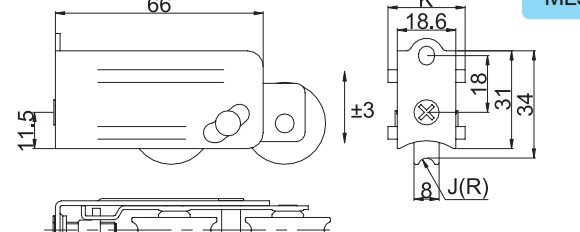

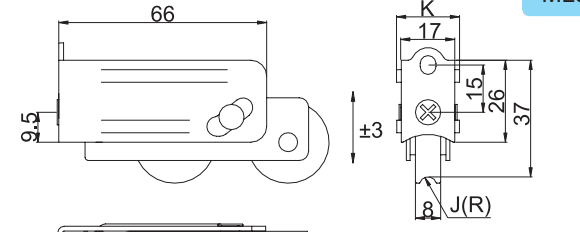

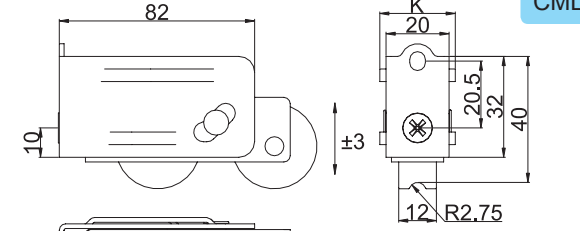

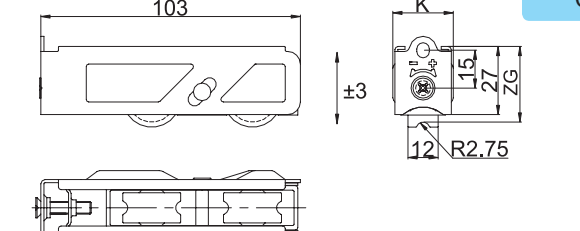
Commonly Used Roller Series

	<p>ML50G33K22</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p> <p>Interchangeable wheel width: 10, 12</p>
	<p>ML50G33K22.7</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p> <p>Interchangeable wheel width: 10, 12</p>
	<p>ML50G33K23</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p> <p>Interchangeable wheel width: 8, 10</p>
	<p>ML50G33K24</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p> <p>Interchangeable wheel width: 10, 12</p>

Commonly Used Roller Series


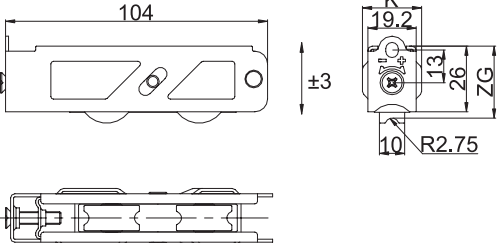

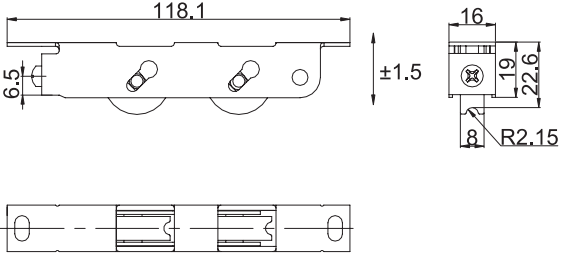

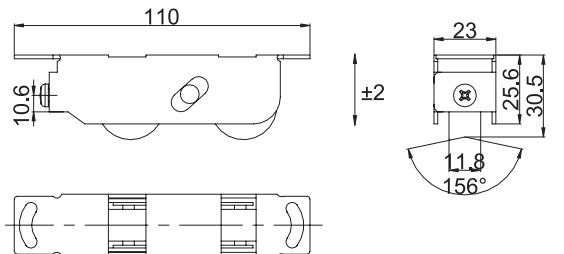

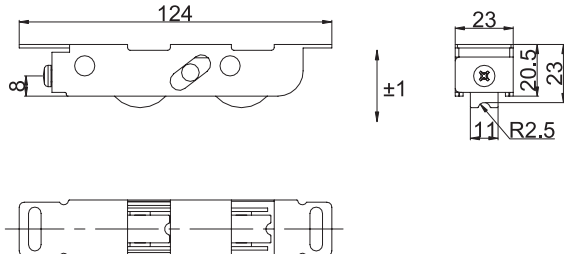
	<p>ML50G33K25</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>10</td> <td>12</td> </tr> </table>	Interchangeable wheel width	10	12									
Interchangeable wheel width	10	12											
	<p>ML50G33K26.5A</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>10</td> <td>12</td> </tr> </table>	Interchangeable wheel width	10	12									
Interchangeable wheel width	10	12											
	<p>ML55G26K**</p>  <p>◆ Bearing capacity: 80kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>17</td> <td>18.5</td> <td>19.5</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> </tr> </table> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>10</td> </tr> </table>	Width K(mm)	17	18.5	19.5	20	21	22	23	24	25	Interchangeable wheel width	10
Width K(mm)	17	18.5	19.5	20	21	22	23	24	25				
Interchangeable wheel width	10												
	<p>ML55G28K**</p>  <p>◆ Bearing capacity: 80kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>17</td> <td>18.5</td> <td>19.5</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> </tr> </table> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>10</td> </tr> </table>	Width K(mm)	17	18.5	19.5	20	21	22	23	24	Interchangeable wheel width	10	
Width K(mm)	17	18.5	19.5	20	21	22	23	24					
Interchangeable wheel width	10												

Commonly Used Roller Series


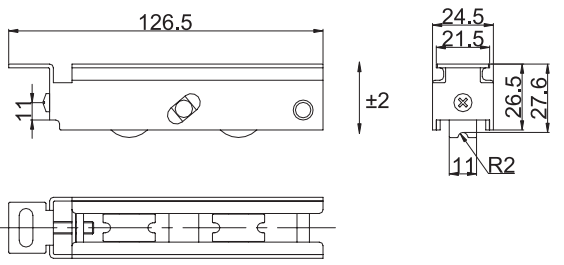

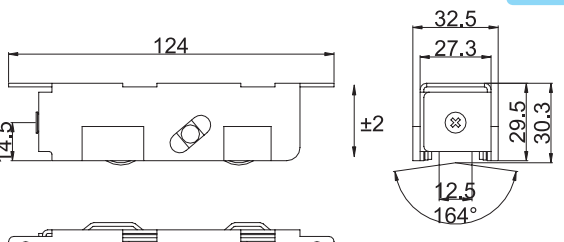

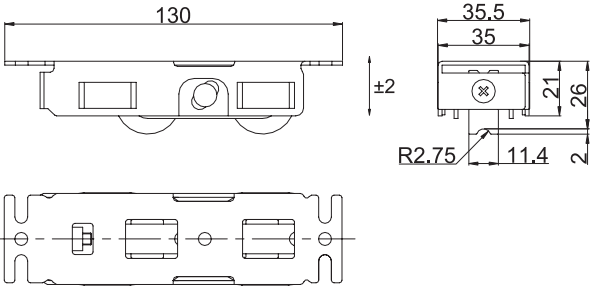

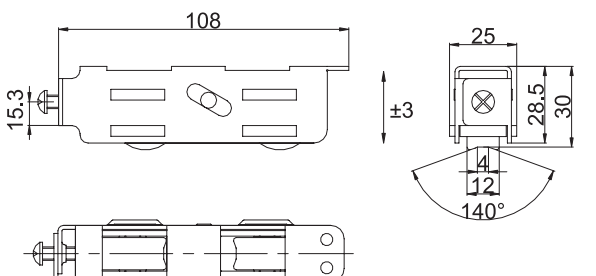
	<p>ML55G31K**</p>  <p>◆ Bearing capacity: 80kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>18.6</td> <td>20</td> <td>21</td> <td>22</td> <td>22.5</td> <td>23</td> <td>23.5</td> <td>24</td> <td>24.5</td> <td>25</td> <td>25.5</td> <td>26</td> <td>26.5</td> </tr> </table> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>10</td> <td>12</td> </tr> </table>	Width K(mm)	18.6	20	21	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	Interchangeable wheel width	10	12
Width K(mm)	18.6	20	21	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5					
Interchangeable wheel width	10	12																
	<p>ML56G26K**</p>  <p>◆ Bearing capacity: 80kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>17</td> <td>18.5</td> <td>19.5</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> </tr> </table> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>10</td> </tr> </table>	Width K(mm)	17	18.5	19.5	20	21	22	23	24	25	Interchangeable wheel width	10					
Width K(mm)	17	18.5	19.5	20	21	22	23	24	25									
Interchangeable wheel width	10																	
	<p>CML57G32K**</p>  <p>◆ Bearing capacity: 80kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>20</td> <td>22.5</td> <td>23</td> <td>24</td> <td>25</td> <td>27</td> </tr> </table> <table border="1"> <tr> <td>Interchangeable wheel width</td> <td>8</td> <td>10</td> </tr> </table>	Width K(mm)	20	22.5	23	24	25	27	Interchangeable wheel width	8	10							
Width K(mm)	20	22.5	23	24	25	27												
Interchangeable wheel width	8	10																
	<p>CML001</p>  <p>◆ Bearing capacity: 80kg/2 rollers ◆ The overall height of the roller can be done within the range: ZG = 30mm-40mm ◆ The width parameters are selected as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>27.5</td> <td>28.5</td> <td>29.5</td> <td>30</td> <td>31</td> </tr> </table>	Width K(mm)	24	25	26	27	27.5	28.5	29.5	30	31							
Width K(mm)	24	25	26	27	27.5	28.5	29.5	30	31									

Please refer to page 405 of the catalogue for product introduction details


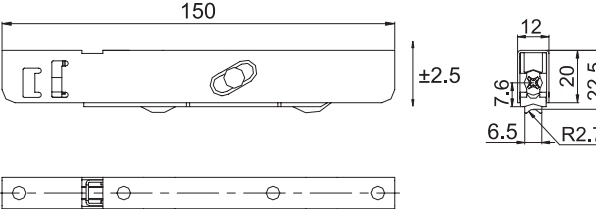

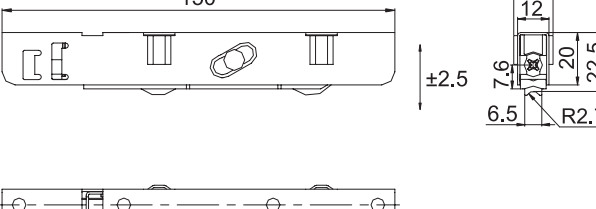

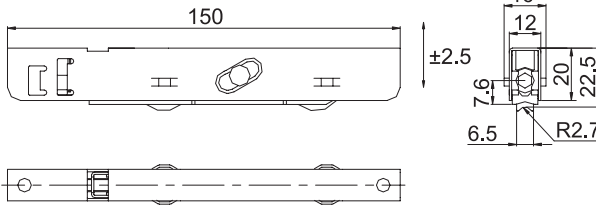

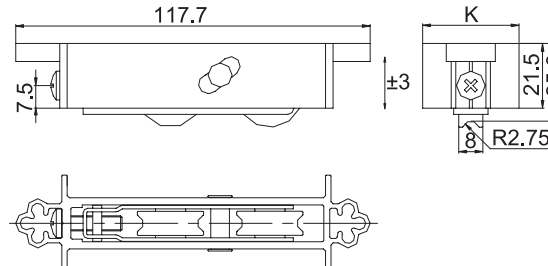
Commonly Used Roller Series

	<p>CML002</p>  <p>◆ Bearing capacity: 80kg/2 rollers ◆ The overall height of the roller can be done within the range: ZG =28.5mm-36.5mm ◆ The width parameters are selected as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>19.2</td> <td>21</td> <td>22</td> <td>22.5</td> <td>23</td> <td>23.5</td> <td>25.5</td> <td>28</td> </tr> </table>	Width K(mm)	19.2	21	22	22.5	23	23.5	25.5	28
Width K(mm)	19.2	21	22	22.5	23	23.5	25.5	28		
	<p>ML60G19K16</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>									
	<p>ML60G25.6K23</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>									
	<p>CML60G20.5K23</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>									

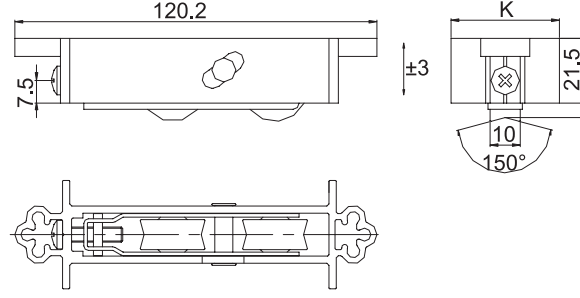

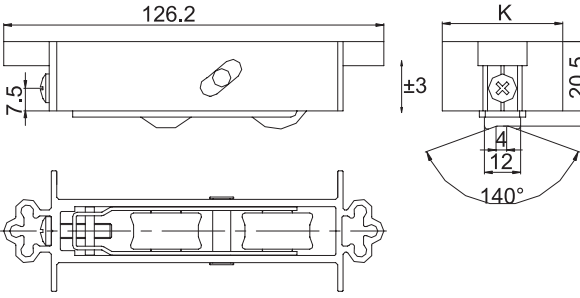

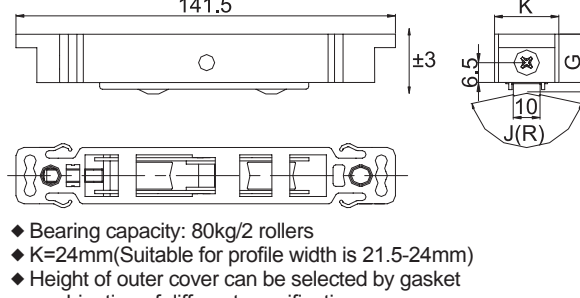

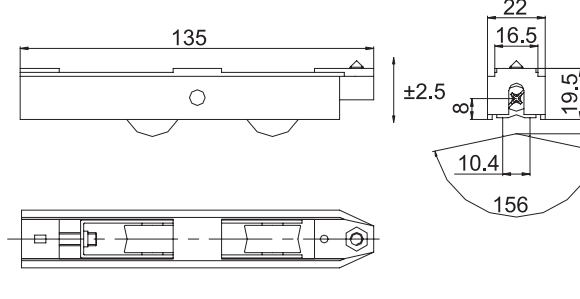

Commonly Used Roller Series

	<p>ML60G26.5K24.5</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>
	<p>ML60G30K32.5</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>
	<p>CMLD018</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>
	<p>SHL80A</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>


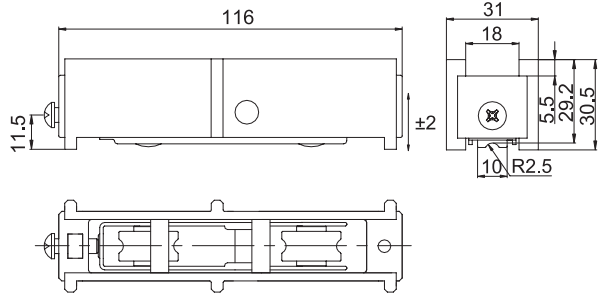

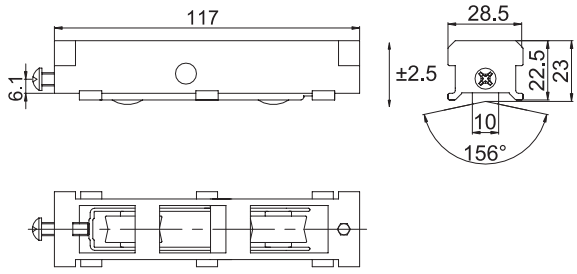

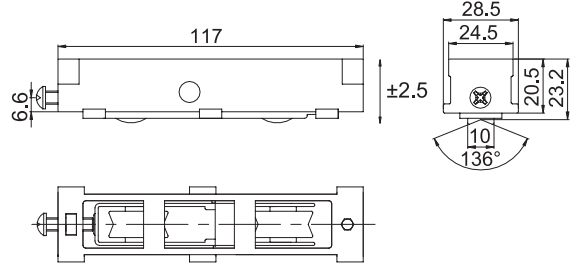

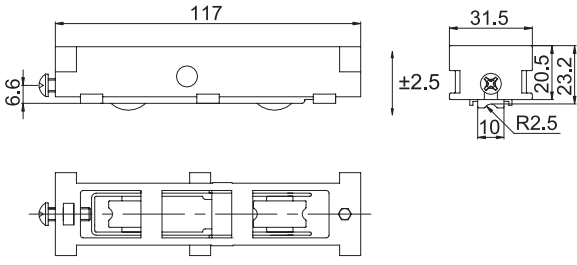
Commonly Used Roller Series

 <p>Please refer</p>	<p>CML25G20K12</p>  <ul style="list-style-type: none"> ◆ This roller is designed with a matching gasket, the thickness of the gasket is 5mm ◆ The roller code with gasket is CML25G25K12 ◆ Bearing capacity: 80kg/2 rollers
 <p>Please refer</p>	<p>CML25G20K15</p>  <ul style="list-style-type: none"> ◆ This roller is designed with a matching gasket, the thickness of the gasket is 5mm ◆ The roller code with gasket is CML25G25K15 ◆ Bearing capacity: 80kg/2 rollers
 <p>Please refer</p>	<p>CML25G20K16</p>  <ul style="list-style-type: none"> ◆ This roller is designed with a matching gasket, the thickness of the gasket is 5mm ◆ The roller code with gasket is CML25G25K16 ◆ Bearing capacity: 80kg/2 rollers
 <p>Please refer</p>	<p>CML301</p>  <ul style="list-style-type: none"> ◆ Bearing capacity: 80kg/2 rollers <p>K=18.5~32mm</p>

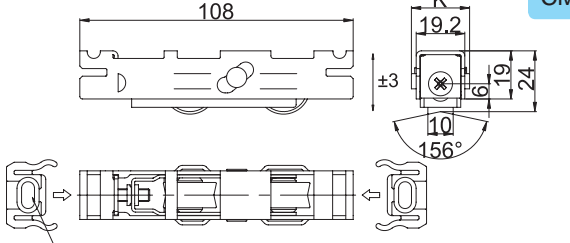

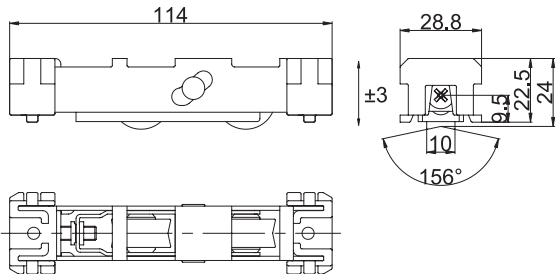

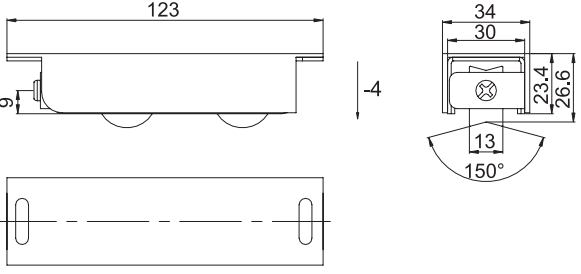

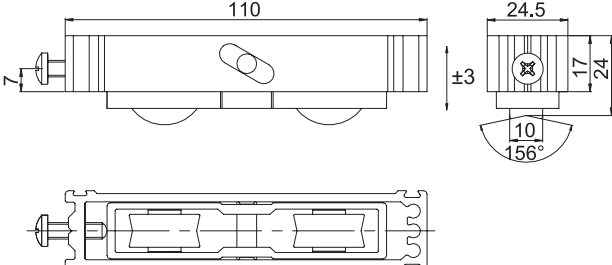

Commonly Used Roller Series

 <ul style="list-style-type: none"> ◆ Bearing capacity: 80kg/2 rollers <p>K=20.5~36mm</p>	<p>CML311</p>  <p>Please refer</p>							
 <ul style="list-style-type: none"> ◆ Bearing capacity: 80kg/2 rollers <p>K=22.5~46mm</p>	<p>CML321</p>  <p>Please refer</p>							
 <ul style="list-style-type: none"> ◆ Bearing capacity: 80kg/2 rollers ◆ K=24mm(Suitable for profile width is 21.5-24mm) ◆ Height of outer cover can be selected by gasket combination of different specifications: <table border="1"> <tr> <td>Height G(mm)</td> <td>18</td> <td>20</td> <td>22</td> <td>24</td> <td>26</td> <td>28</td> </tr> </table>	Height G(mm)	18	20	22	24	26	28	<p>MLG17</p>  <p>Please refer</p>
Height G(mm)	18	20	22	24	26	28		
 <ul style="list-style-type: none"> ◆ Bearing capacity: 80kg/2 rollers 	<p>ML60G19.5K22</p> 							


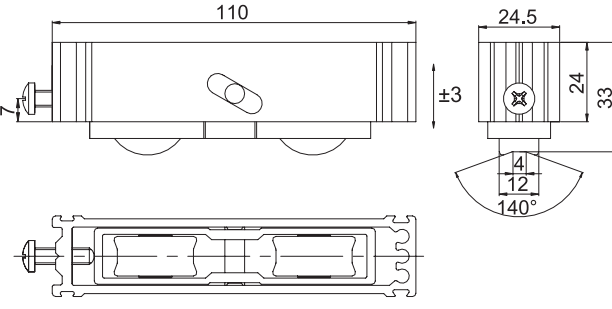

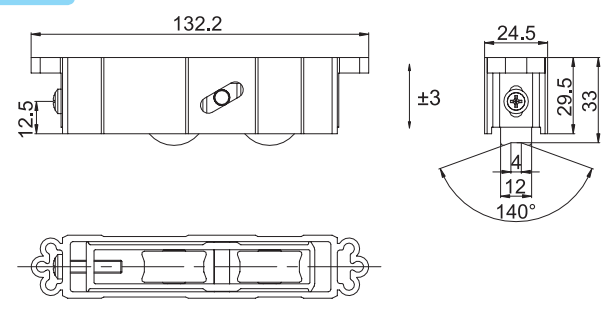

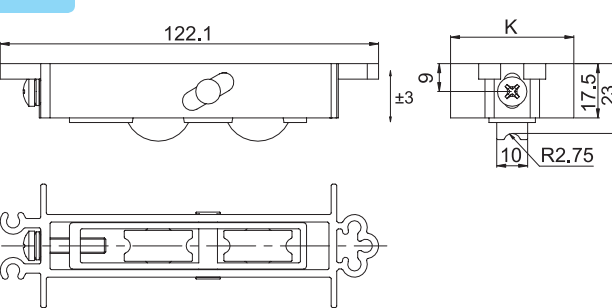

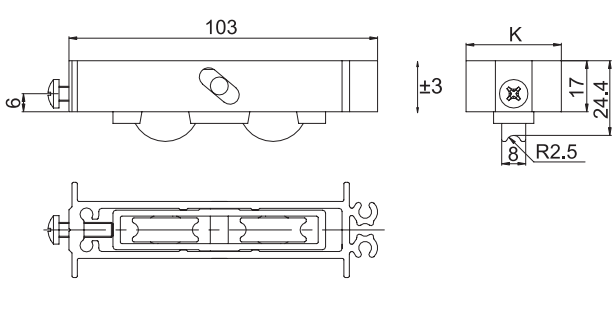
Commonly Used Roller Series

	<p>MLG30</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>
	<p>MLG70</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>
	<p>MLG83</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>
	<p>MLG90</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>


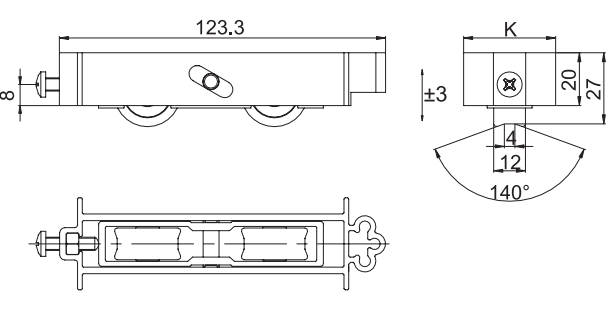
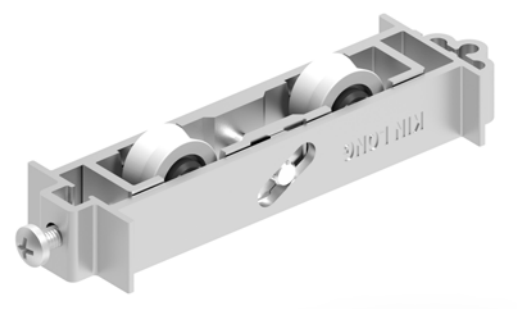
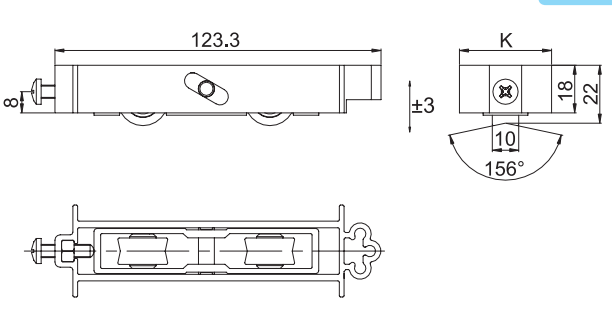

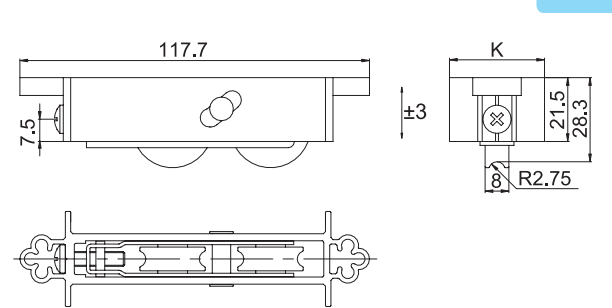

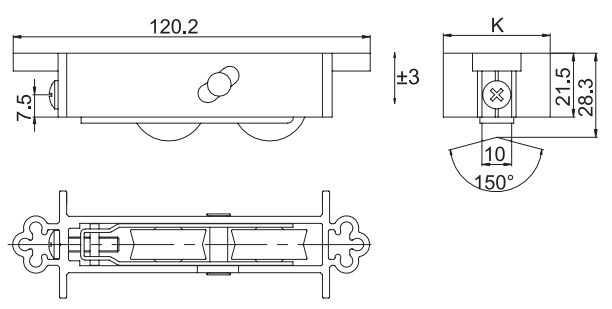
Commonly Used Roller Series

 <p>Plastic plugs can be added to both sides (K=28mm), realize the width of 26 ~ 28mm combination change.</p> <ul style="list-style-type: none"> ◆ Bearing capacity: 80kg/2 rollers ◆ The width parameters are selected as follows: <table border="1"> <tr> <td>Width K(mm)</td> <td>19.2</td> <td>21</td> <td>22</td> <td>22.5</td> <td>23</td> <td>23.5</td> <td>24</td> <td>24.5</td> <td>25</td> <td>28</td> <td>28.8</td> </tr> </table>	Width K(mm)	19.2	21	22	22.5	23	23.5	24	24.5	25	28	28.8	<p>CML35G19 系列</p> 
Width K(mm)	19.2	21	22	22.5	23	23.5	24	24.5	25	28	28.8		
 <p>◆ Bearing capacity: 90kg/2 rollers</p>	<p>CML34</p> 												
 <p>◆ Bearing capacity: 90kg/2 rollers</p>	<p>CMLD004</p> 												
 <p>◆ Bearing capacity: 90kg/2 rollers</p>	<p>LSLB</p> 												

Commonly Used Roller Series


	<p>LSL-2001B</p>  <p>◆ Bearing capacity: 90kg/2 rollers</p>
	<p>CML003</p>  <p>◆ Bearing capacity: 90kg/2 rollers</p>
	<p>CML005</p>  <p>◆ Bearing capacity: 90kg/2 rollers K=22~40mm</p>
 <p>Please refer</p>	<p>CML33</p>  <p>◆ Bearing capacity: 90kg/2 rollers K=19~32mm</p>

Commonly Used Roller Series

	<p>ML11A</p>  <p>◆ Bearing capacity: 90kg/2 rollers K=23~35mm</p>
	<p>ML13A</p>  <p>◆ Bearing capacity: 90kg/2 rollers K=23~35mm</p>
	<p>CML302</p>  <p>◆ Bearing capacity: 90kg/2 rollers K=18.5~32mm</p> <p>Please refer</p>
	<p>CML312</p>  <p>◆ Bearing capacity: 90kg/2 rollers K=20.5~36mm</p> <p>Please refer</p>

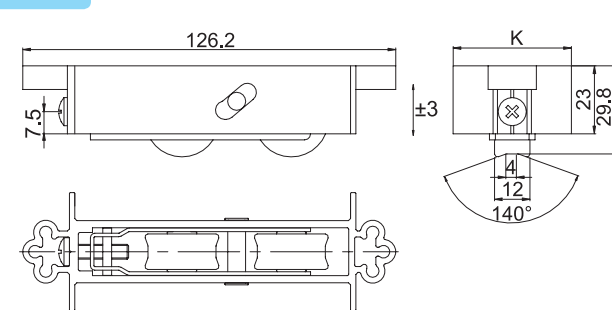
Commonly Used Roller Series

Commonly Used Roller Series




Please refer

CML322

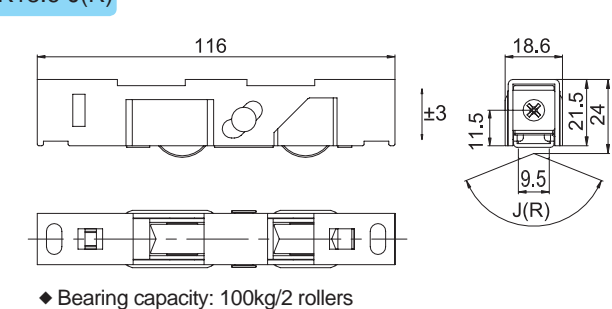


◆ Bearing capacity: 90kg/2 rollers
K=22.5~46mm




Please refer to page 406 of the catalogue for product introduction details

ML51G21.5K18.6-J(R)



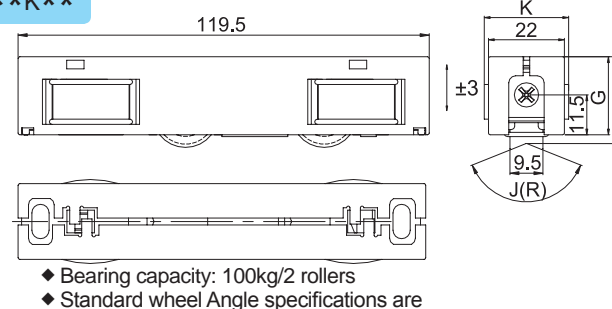
◆ Bearing capacity: 100kg/2 rollers
◆ Standard wheel angle specifications are selected as follows:

Angle J/ arc R	J136	J140	J150	R2.5	R2.75	R5
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Please refer to page 406 of the catalogue for product introduction details

ML51GK****



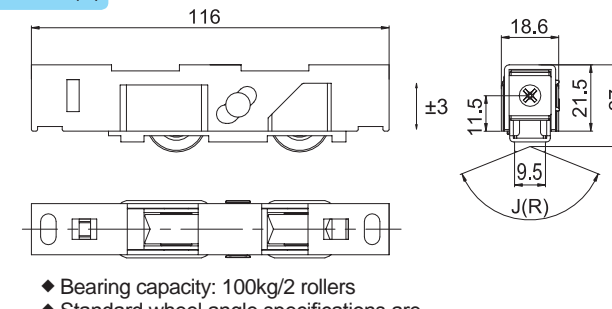
◆ Bearing capacity: 100kg/2 rollers
◆ Standard wheel Angle specifications are selected as follows:

Height G(mm)	22.5	28.5
Corresponding width K(mm)	20 22 23 25	20 22 23 25




Please refer to page 406 of the catalogue for product introduction details

ML52G21.5K18.6-J(R)



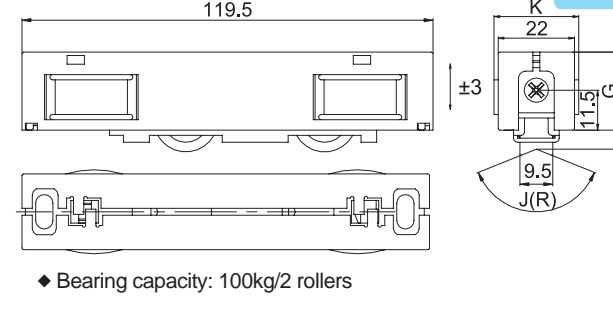
◆ Bearing capacity: 100kg/2 rollers
◆ Standard wheel angle specifications are selected as follows:

Angle J/ arc R	J136	J140	J150	R2.5	R2.75	R5
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Please refer to page 406 of the catalogue for product introduction details

ML52GK****



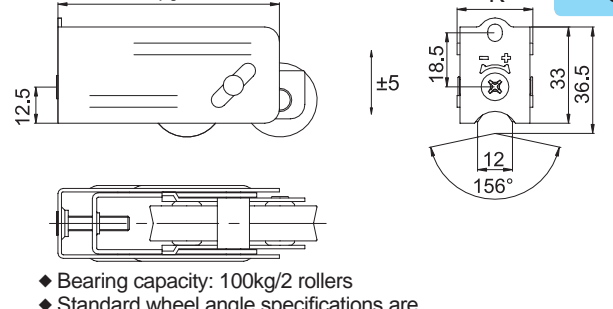
◆ Bearing capacity: 100kg/2 rollers

Height G(mm)	22.5	28.5
Corresponding width K(mm)	20 22 23 25	20 22 23 25




Please refer to page 406 of the catalogue for product introduction details

CML012



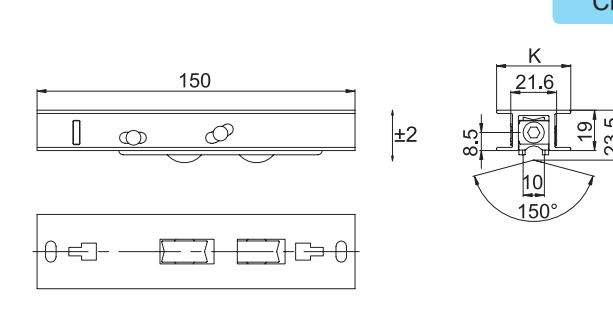
◆ Bearing capacity: 100kg/2 rollers
◆ Standard wheel angle specifications are selected as follows:

Corresponding width K(mm)	26	27	28	29	30	31	32
Interchangeable wheel width	8	10					




Please refer to page 413 of the catalogue for product introduction details

CMLF3701

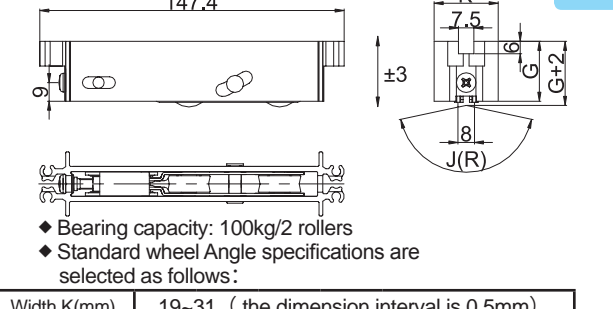


◆ Bearing capacity: 100kg/2 rollers
K=22~35mm



Please refer to page 406 of the catalogue for product introduction details


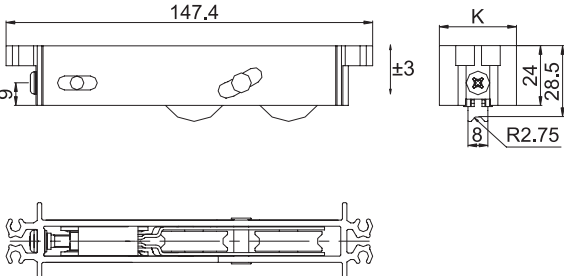

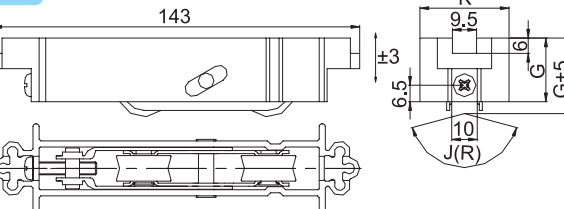

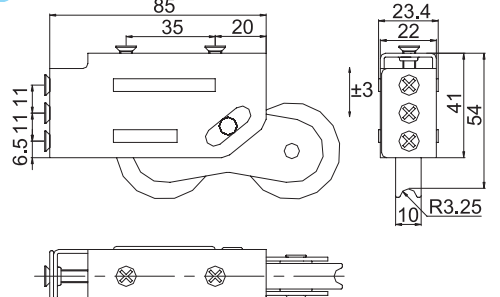

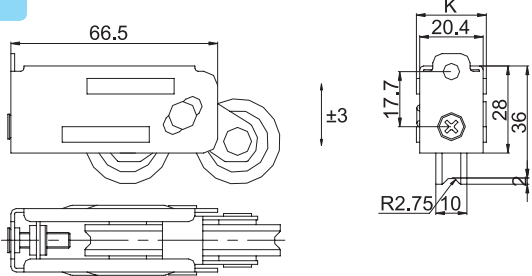
ML14-GKJ(R)



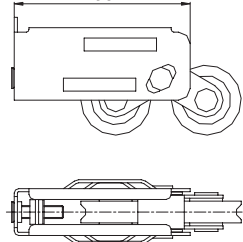
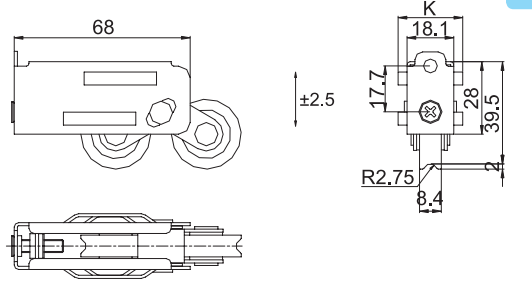
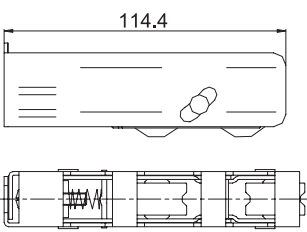
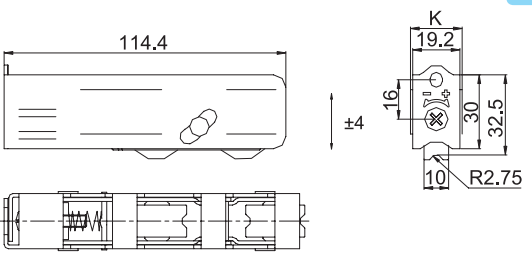
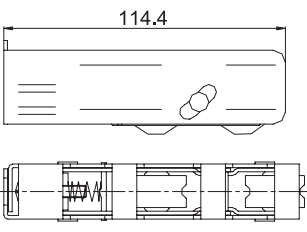
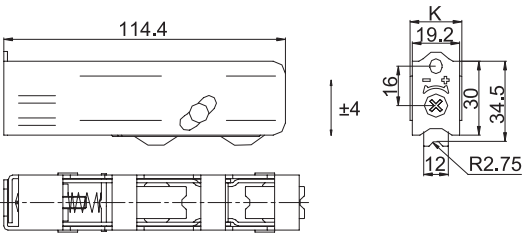
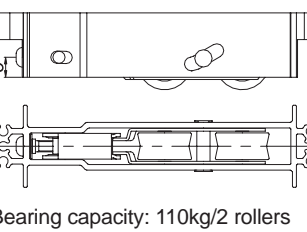
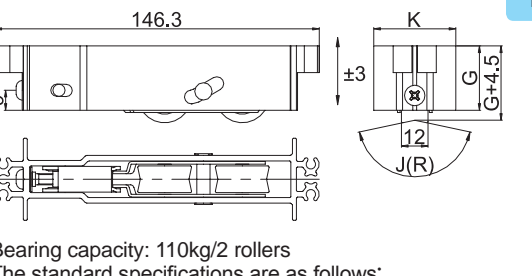
◆ Bearing capacity: 100kg/2 rollers
◆ Standard wheel Angle specifications are selected as follows:

Width K(mm)	19~31 (the dimension interval is 0.5mm)
Height G(mm)	25 27 29 31 33
Angle J/ arc R	J136 J140 J150 R2.5 R2.75


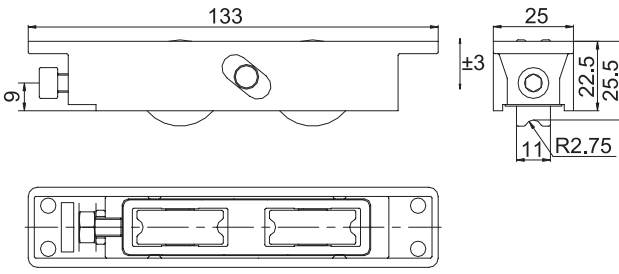

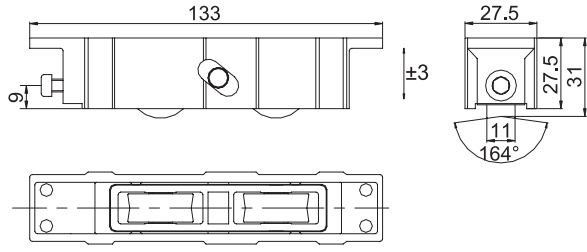

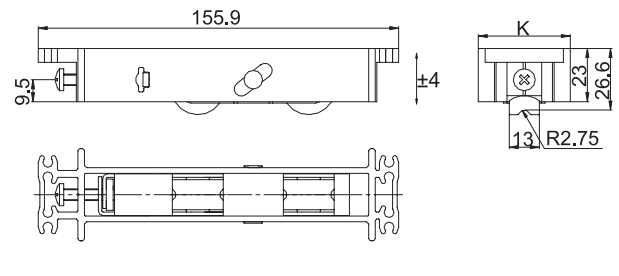

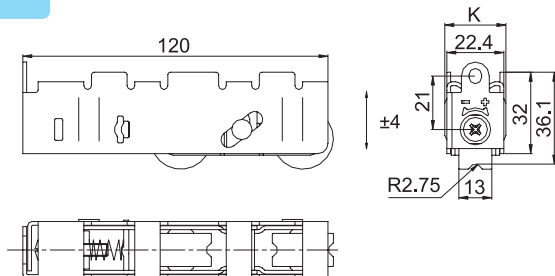
Commonly Used Roller Series

	<p>ML15A</p>  <p>◆ Bearing capacity: 110kg/2 rollers K=19~31mm</p>																		
	<p>ML16A-GKJ(R)</p>  <p>◆ Bearing capacity: 110kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td colspan="5">22~35 (The dimension interval is 0.5mm)</td> </tr> <tr> <td>Height G(mm)</td> <td>25</td> <td>27</td> <td>29</td> <td>31</td> <td>33</td> </tr> <tr> <td>Angle J/ arc R</td> <td>J136</td> <td>J140</td> <td>J150</td> <td>J156</td> <td>R2.75</td> </tr> </table>	Width K(mm)	22~35 (The dimension interval is 0.5mm)					Height G(mm)	25	27	29	31	33	Angle J/ arc R	J136	J140	J150	J156	R2.75
Width K(mm)	22~35 (The dimension interval is 0.5mm)																		
Height G(mm)	25	27	29	31	33														
Angle J/ arc R	J136	J140	J150	J156	R2.75														
	<p>ML90</p>  <p>◆ Bearing capacity: 110kg/2 rollers</p>																		
	<p>CMLD019</p>  <p>◆ Bearing capacity: 110kg/2 rollers ◆ The width parameters are selected as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>22.5</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> </tr> </table>	Width K(mm)	22.5	23	24	25	26	27	28										
Width K(mm)	22.5	23	24	25	26	27	28												


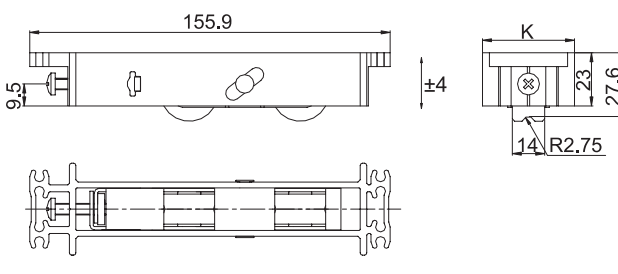

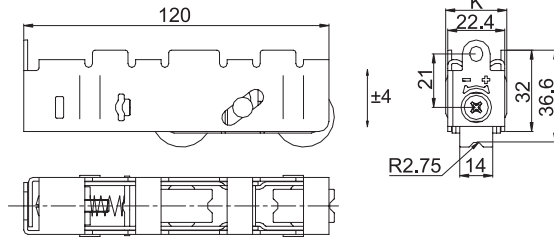

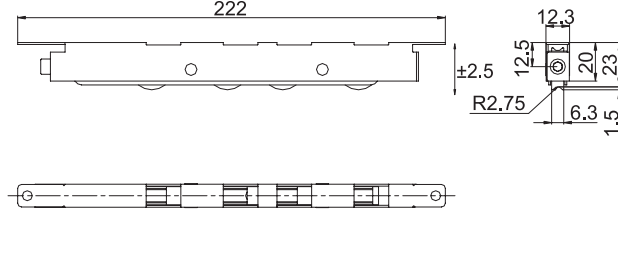

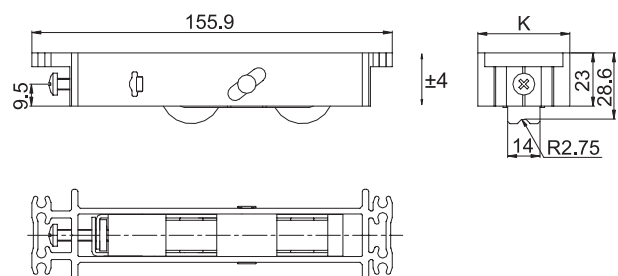
Commonly Used Roller Series

	<p>CMLD025</p>  <p>◆ Product width range: K=20~26 mm (minimal change 0.5mm) ◆ Bearing capacity: 110kg/2 rollers</p>																		
	<p>CML017</p>  <p>◆ Bearing capacity: 110kg/2 rollers ◆ The width parameters are selected as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>21</td> <td>21.5</td> <td>22</td> <td>22.5</td> <td>23</td> <td>23.5</td> <td>24</td> <td>24.5</td> <td>25</td> <td>25.5</td> </tr> </table>	Width K(mm)	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5							
Width K(mm)	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5									
	<p>CML018</p>  <p>◆ Bearing capacity: 120kg/2 rollers ◆ The width parameters are selected as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>21</td> <td>21.5</td> <td>22</td> <td>22.5</td> <td>23</td> <td>23.5</td> <td>24</td> <td>24.5</td> <td>25</td> <td>25.5</td> </tr> </table>	Width K(mm)	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5							
Width K(mm)	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5									
	<p>ML19-GKJ(R)</p>  <p>◆ Bearing capacity: 110kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td colspan="5">23.5~40 (The dimension interval is 0.5mm)</td> </tr> <tr> <td>Height G(mm)</td> <td>25</td> <td>27</td> <td>29</td> <td>31</td> <td>33</td> </tr> <tr> <td>Angle J/ arc R</td> <td>J150</td> <td>J156</td> <td>160</td> <td>R10</td> <td>R12</td> </tr> </table> <p>Please refer</p>	Width K(mm)	23.5~40 (The dimension interval is 0.5mm)					Height G(mm)	25	27	29	31	33	Angle J/ arc R	J150	J156	160	R10	R12
Width K(mm)	23.5~40 (The dimension interval is 0.5mm)																		
Height G(mm)	25	27	29	31	33														
Angle J/ arc R	J150	J156	160	R10	R12														


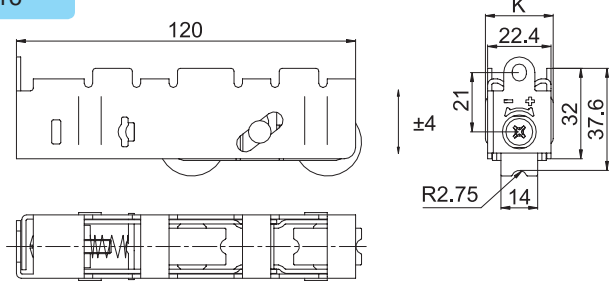

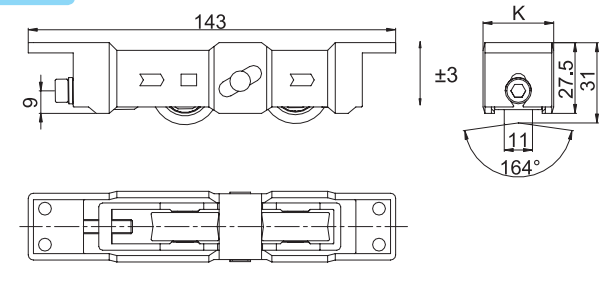

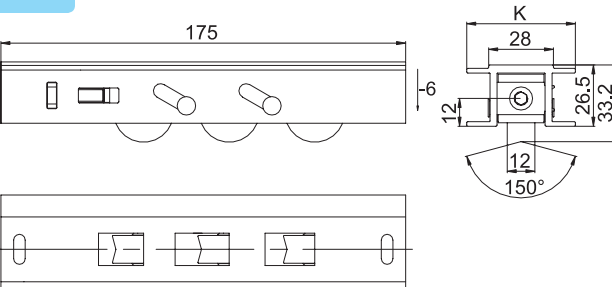

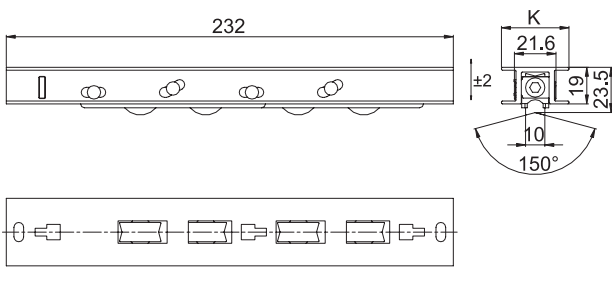
Commonly Used Roller Series

	<p>ML94</p>  <p>◆ Bearing capacity: 125kg/2 rollers</p>								
 <p>Please refer</p>	<p>ML95</p>  <p>◆ Bearing capacity: 125kg/2 rollers</p>								
 <p>Please refer to page 412 of the catalogue for product introduction details</p>	<p>CML009</p>  <p>◆ Bearing capacity: 130kg/2 rollers</p> <p>K=25~40mm</p>								
 <p>Please refer to page 411 of the catalogue for product introduction details</p>	<p>CML014</p>  <p>◆ Bearing capacity: 130kg/2 rollers</p> <p>◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> </tr> </table>	Width K(mm)	24	25	26	27	28	29	30
Width K(mm)	24	25	26	27	28	29	30		


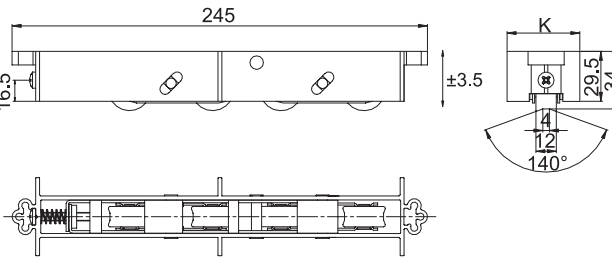

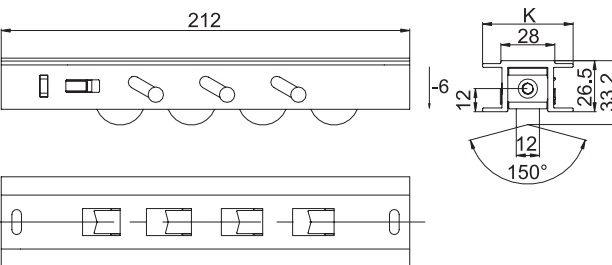

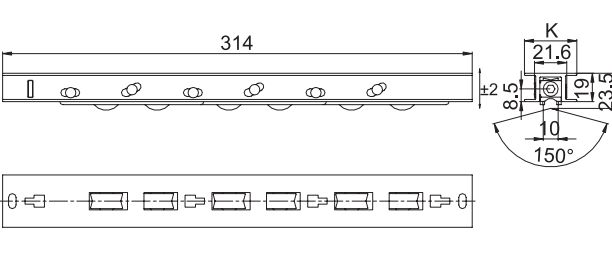

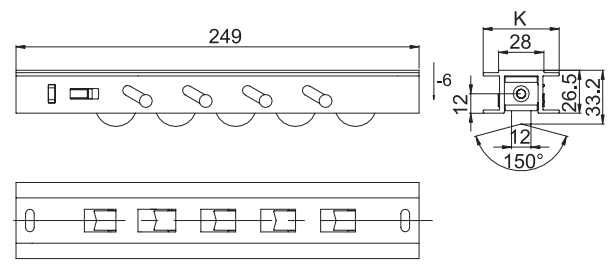
Commonly Used Roller Series

 <p>Please refer to page 412 of the catalogue for product introduction details</p>	<p>CML010</p>  <p>◆ Bearing capacity: 140kg/2 rollers</p> <p>K=25~40mm</p>								
 <p>Please refer to page 411 of the catalogue for product introduction details</p>	<p>CML015</p>  <p>◆ Bearing capacity: 140kg/2 rollers</p> <p>◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> </tr> </table>	Width K(mm)	24	25	26	27	28	29	30
Width K(mm)	24	25	26	27	28	29	30		
	<p>CML60G20K12.3F</p>  <p>◆ Bearing capacity: 140kg/2 rollers</p>								
 <p>Please refer to page 412 of the catalogue for product introduction details</p>	<p>CML011</p>  <p>◆ Bearing capacity: 150kg/2 rollers</p> <p>K=25~40mm</p>								


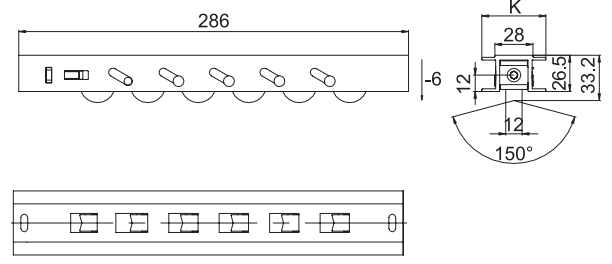

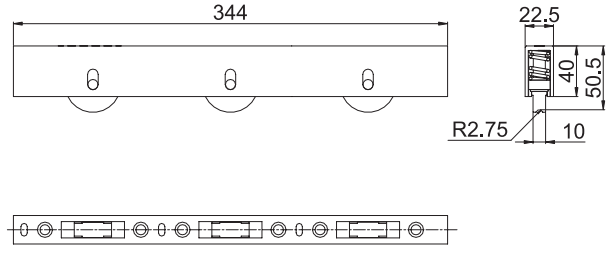

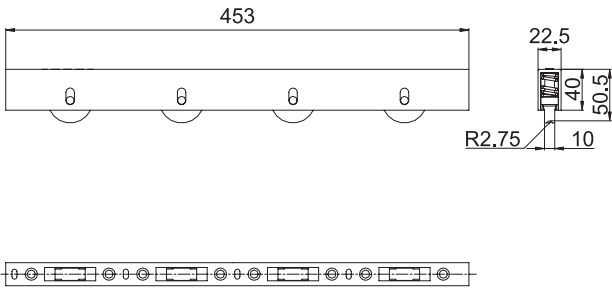
Commonly Used Roller Series

 <p>Please refer to page 411 of the catalogue for product introduction details</p>	<p>CML016</p>  <ul style="list-style-type: none"> ◆ Bearing capacity: 150kg/2 rollers ◆ The standard specifications are as follows: <table border="1"> <tr> <td>Width K(mm)</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> </tr> </table>	Width K(mm)	24	25	26	27	28	29	30
Width K(mm)	24	25	26	27	28	29	30		
 <p>Please refer to page 408 of the catalogue for product introduction details</p>	<p>CML019</p>  <ul style="list-style-type: none"> ◆ Bearing capacity: 150kg/2 rollers ◆ The standard specifications are as follows: <table border="1"> <tr> <td>Width K(mm)</td> <td>27.5</td> <td>33.5</td> <td>37.5</td> <td>41.5</td> <td>45.5</td> </tr> </table>	Width K(mm)	27.5	33.5	37.5	41.5	45.5		
Width K(mm)	27.5	33.5	37.5	41.5	45.5				
 <p>page 413 of the catalogue for product introduction details</p>	<p>CMLF2801</p>  <ul style="list-style-type: none"> ◆ Bearing capacity: 150kg/2 rollers <p>K=28.5~47mm</p>								
 <p>page 413 of the catalogue for product introduction details</p>	<p>CMLF3702</p>  <ul style="list-style-type: none"> ◆ Bearing capacity: 150kg/2 rollers <p>K=22~35mm</p>								

Commonly Used Roller Series

 <p>page 411 of the catalogue for product introduction details</p>	<p>CMLF001</p>  <ul style="list-style-type: none"> ◆ Bearing capacity: 200kg/2 rollers <p>K=24.5~46mm</p>
 <p>page 413 of the catalogue for product introduction details</p>	<p>CMLF2802</p>  <ul style="list-style-type: none"> ◆ Bearing capacity: 200kg/2 rollers <p>K=28.5~47mm</p>
 <p>page 413 of the catalogue for product introduction details</p>	<p>CMLF3703</p>  <ul style="list-style-type: none"> ◆ Bearing capacity: 200kg/2 rollers <p>K=22~35mm</p>
 <p>page 413 of the catalogue for product introduction details</p>	<p>CMLF2803</p>  <ul style="list-style-type: none"> ◆ Bearing capacity: 250kg/2 rollers <p>K=28.5~47mm</p>

Commonly Used Roller Series

 <p>page 413 of the catalogue for product introduction details</p>	<p>CMLF2804</p>  <p>◆ Bearing capacity: 300kg/2 rollers K=28.5~47mm</p>
	<p>CMLF3601</p>  <p>◆ unadjustable ◆ Bearing capacity: 300kg/2 rollers</p>
	<p>CMLF3602</p>  <p>◆ unadjustable ◆ Bearing capacity: 400kg/2 rollers</p>

Hardcover Roller Series



Hardcover roller series

Adopt rigorous production technology to make and let each product give you and your family a light, smooth and quiet experience when opening sliding doors and windows.



Finish turning roller

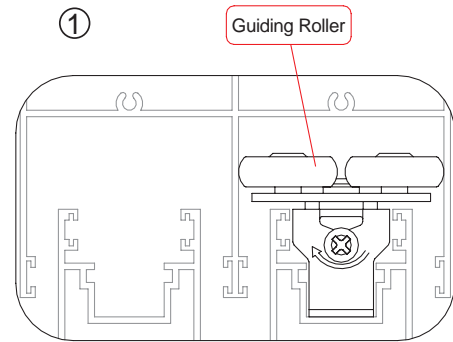
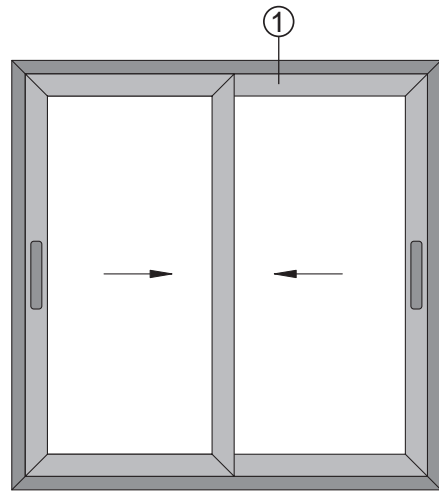
Shape can be customized according to track shape



Surface: hairline finish

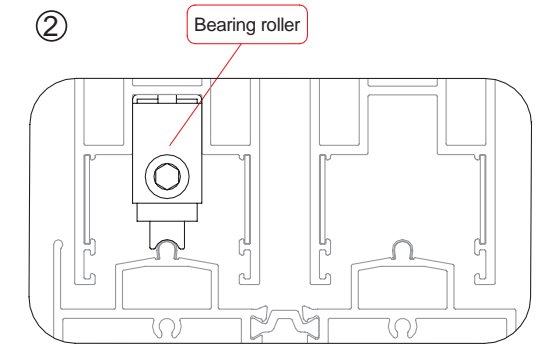
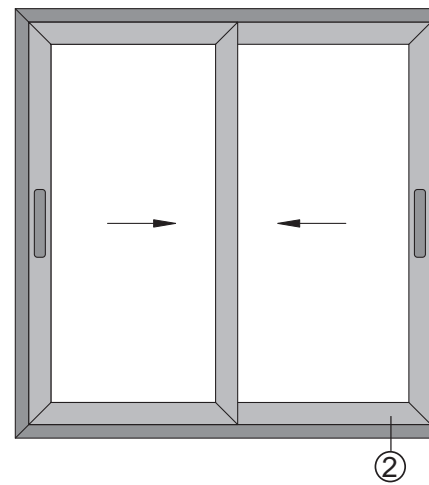
Material can be selected stainless steel 304 or 201 according to the using environment

Guiding Roller Series



Guiding rollers - a device for sliding doors and windows that provides guidance and prevents the fan from moving from side to side. It's installed on the top profile of sash, which can reduce the friction between sash and frame, makes the opening more smoothly.

Hardcover Roller Series


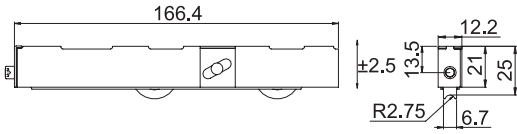

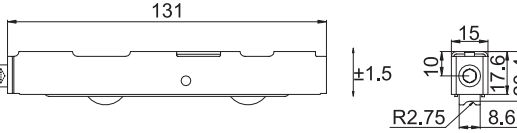

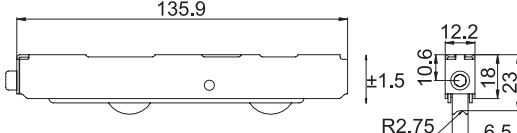

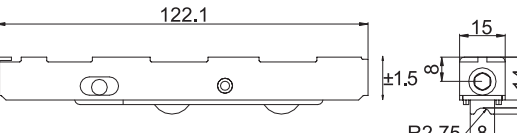


Bearing roller - bear the weight of the fan, usually installed in the bottom profile of the sash in pairs, the track is recommended to use small circular arc, which can also prevent wheel deviation


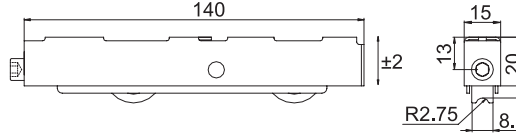

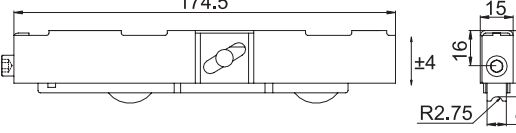

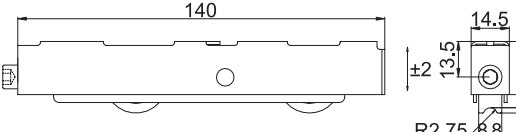

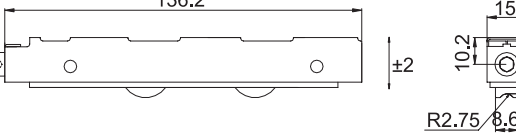
	<p>CDXL02</p> <ul style="list-style-type: none"> ◆ The overall height of guiding wheels can be ZG=18-29mm ◆ Range of applicable profile :13-24mm, it's with adjustment.
	<p>DXL02B</p> <ul style="list-style-type: none"> ◆ The left and right direction of the product can be adjusted, and the range of applicable profiles is 35-60mm.
	<p>DXL05</p> <ul style="list-style-type: none"> ◆ The left and right direction of the product can be adjusted, and the range of applicable profiles is 38.5-60mm.

<p>CCLJ001</p> <ul style="list-style-type: none"> ◆ Bearing capacity: 40kg/2 rollers 					
<p>CMLJ006</p> <ul style="list-style-type: none"> ◆ Bearing capacity: 40kg/2 rollers 					
<p>CMLJ014</p> <ul style="list-style-type: none"> ◆ Bearing capacity: 60kg/2 rollers ◆ The standard specifications are as follows: <table border="1"> <tr> <td>Width K(mm)</td> <td>13.5</td> <td>14.5</td> <td>15.5</td> </tr> </table>	Width K(mm)	13.5	14.5	15.5	
Width K(mm)	13.5	14.5	15.5		


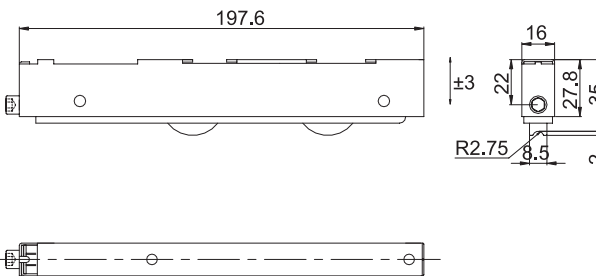
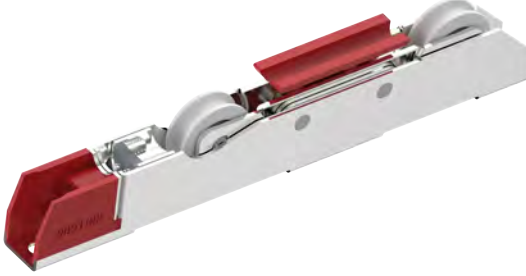
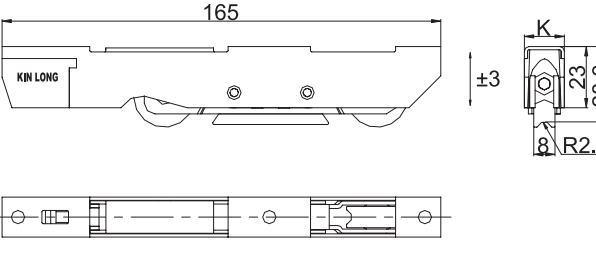
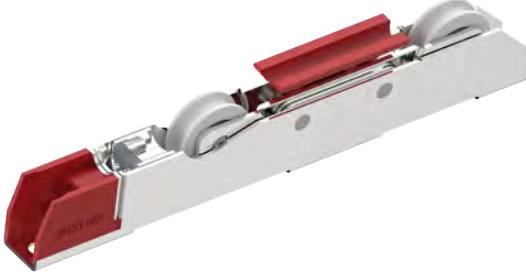
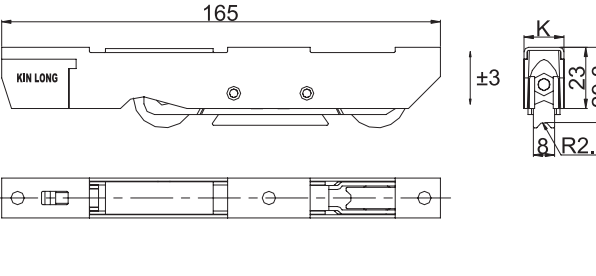

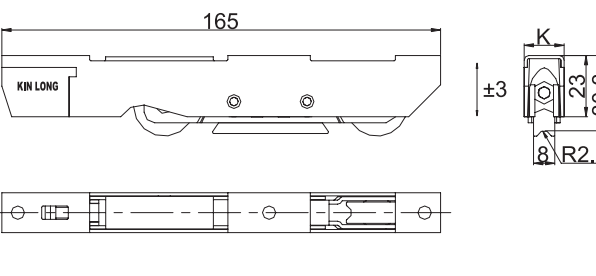
Hardcover Roller Series

	<p>CMLJ001</p>  <p>◆ Bearing capacity: 60kg/2 rollers</p>
	<p>CMLJ002</p>  <p>◆ Bearing capacity: 60kg/2 rollers</p>
	<p>CMLJ007</p>  <p>◆ Bearing capacity: 60kg/2 rollers</p>
	<p>CMLJ009</p>  <p>◆ Bearing capacity: 60kg/2 rollers</p>


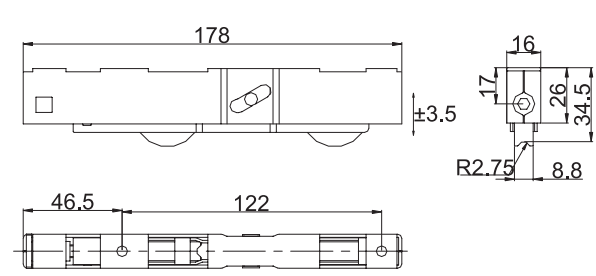

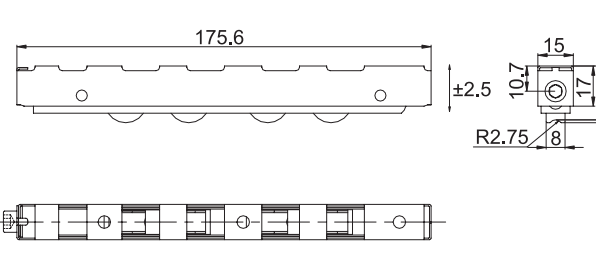

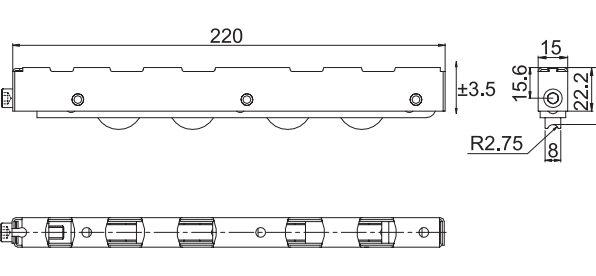

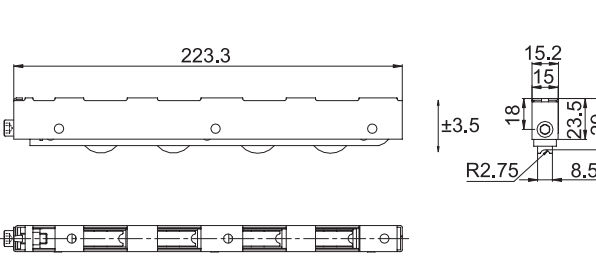
Hardcover roller series

	<p>CMLJ003</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>
	<p>CMLJ004</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>
	<p>CMLJ008</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>
	<p>CMLJ010</p>  <p>◆ Bearing capacity: 80kg/2 rollers</p>


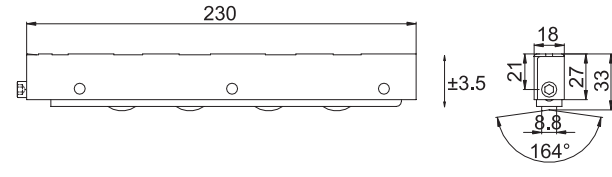

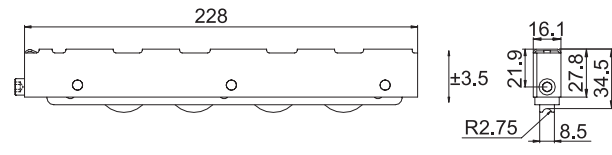

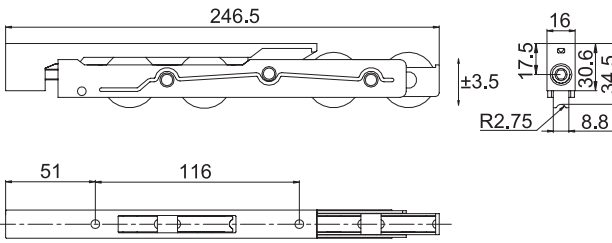

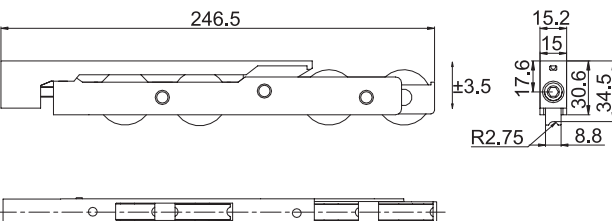
Hardcover Roller Series

	<p>CMLJ011A</p>  <p>◆ Bearing capacity: 100kg/2 rollers</p>			
 <p>page 412 of the catalogue for product introduction details</p>	<p>CML020</p>  <p>◆ Bearing capacity: 100kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>15</td> <td>16</td> </tr> </table>	Width K(mm)	15	16
Width K(mm)	15	16		
 <p>page 412 of the catalogue for product introduction details</p>	<p>CML021</p>  <p>◆ Bearing capacity: 120kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>15</td> <td>16</td> </tr> </table>	Width K(mm)	15	16
Width K(mm)	15	16		
 <p>page 412 of the catalogue for product introduction details</p>	<p>CML022</p>  <p>◆ Bearing capacity: 140kg/2 rollers ◆ The standard specifications are as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td>15</td> <td>16</td> </tr> </table>	Width K(mm)	15	16
Width K(mm)	15	16		


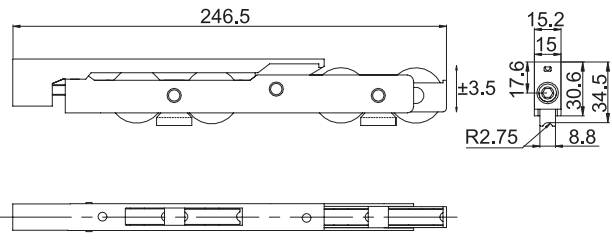

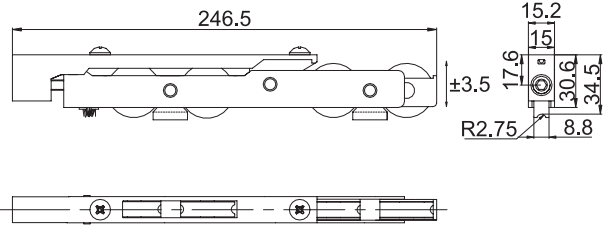

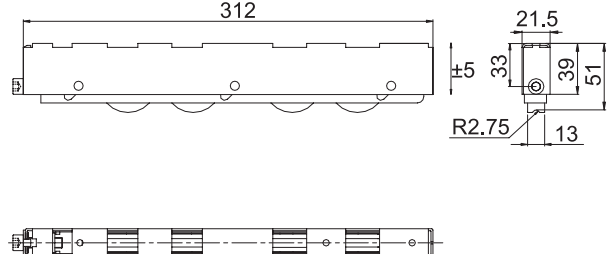
Hardcover Roller Series

	<p>ML17</p>  <p>◆ Bearing capacity: 140kg/2 rollers</p> <p>Please refer to page 409 of the catalogue for product introduction details</p>
	<p>CMLJF006</p>  <p>◆ Bearing capacity: 150kg/2 rollers</p>
	<p>CMLJF001</p>  <p>◆ Bearing capacity: 180kg/2 rollers</p>
	<p>CMLJF002</p>  <p>◆ Bearing capacity: 180kg/2 rollers</p>

Hardcover Roller Series

	<p>CMLJF003</p>  <p>◆ Bearing capacity: 180kg/2 rollers</p>
	<p>CMLJF004</p>  <p>◆ Bearing capacity: 200kg/2 rollers</p>
 <p>Please refer to page 409 of the catalogue for product introduction details</p>	<p>MLF18</p>  <p>◆ Bearing capacity: 250kg/2 rollers</p>
 <p>Please refer</p>	<p>CMLF2701</p>  <p>◆ Bearing capacity: 250kg/2 rollers</p>

Hardcover Roller Series

 <p>◆ Bearing capacity: 250kg/2 rollers ◆ The roller is equipped with anti-slip device</p>	<p>CMLF2702</p>  <p>Please refer</p>
 <p>◆ Bearing capacity: 250kg/2 rollers ◆ The roller is equipped with cleaning brush and anti-slip device</p>	<p>CMLF2703</p>  <p>Please refer</p>
 <p>◆ Bearing capacity: 320kg/2 rollers</p>	<p>CMLJF005</p> 

Sliding Door Roller Series

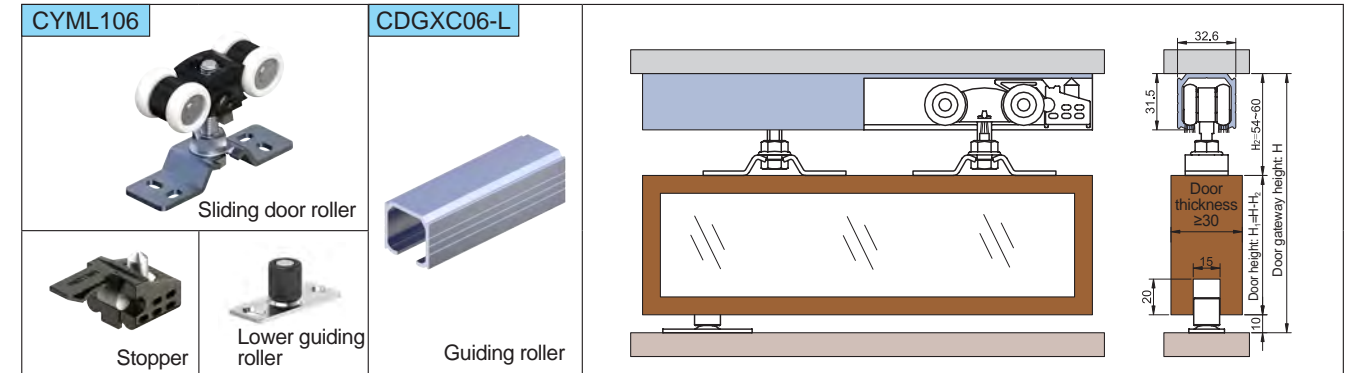
The sliding door roller is a device used to carry the weight of the door sash and make door sash to move relatively along a fixed track.

The two ends of the track are provided with stoppers with the function of positioning the door sash, and the lower end of the door sash is provided with guide rollers that keep the door sash vertical and guide the direction of the door sash.

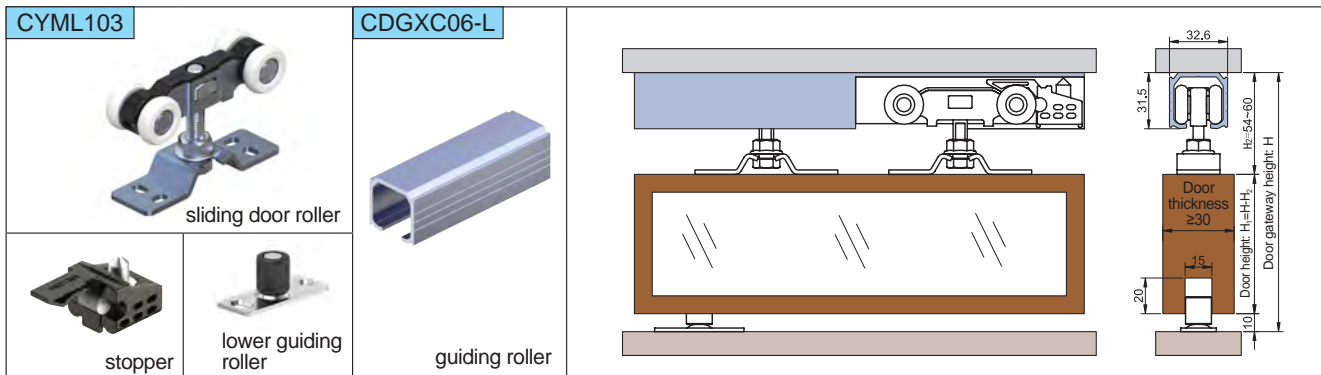
The device is designed to be of adjustable structure, which can make the door sash to be raised and lowered in the vertical direction by tools.



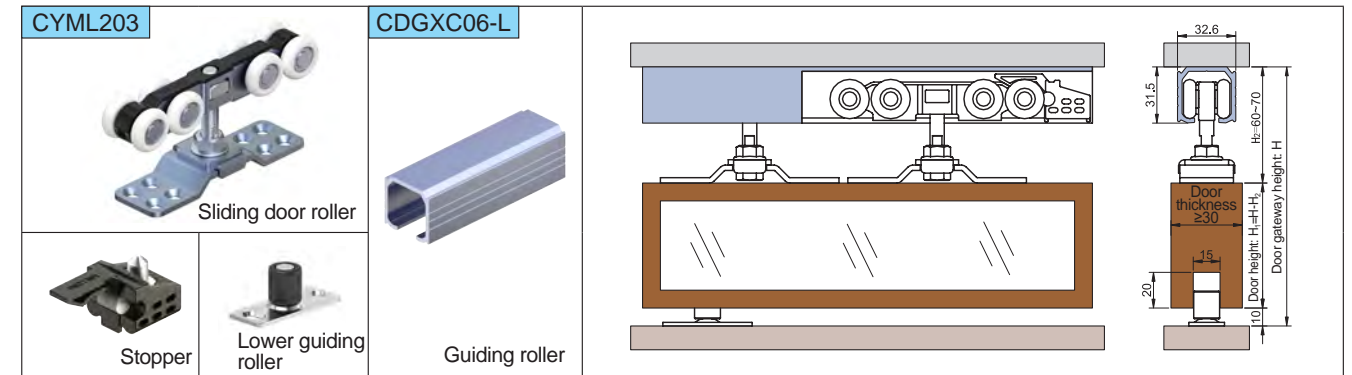
Sliding Door Roller Series



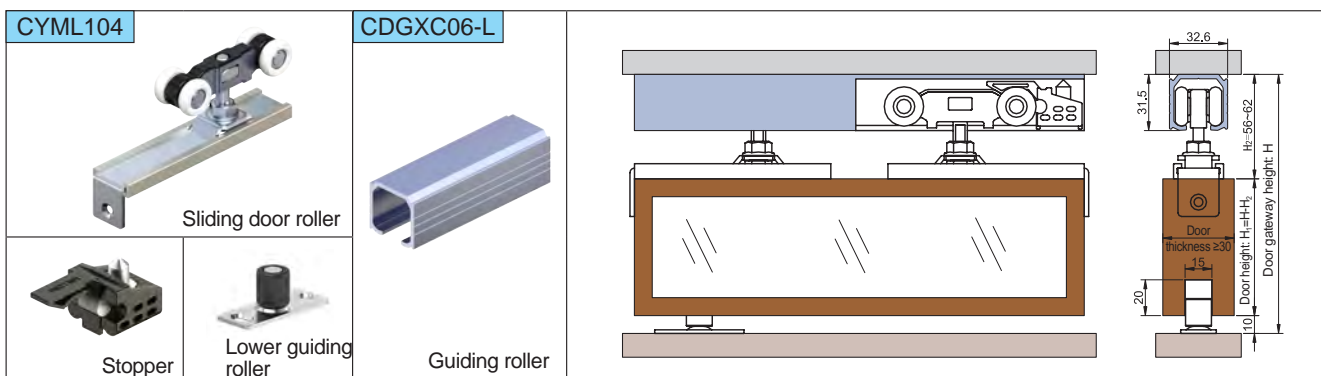
- ◆ Single door weight: 80KG.
- ◆ Material: mainly engineering plastics.
- ◆ Single door frame hanging roller CYML101 includes: sliding door roller x2, stopper x2, distribution (lower guiding roller x1, spanner x1, a number of tapping screws).
- ◆ The length of the guide rail can be placed according to the actual size of the door.



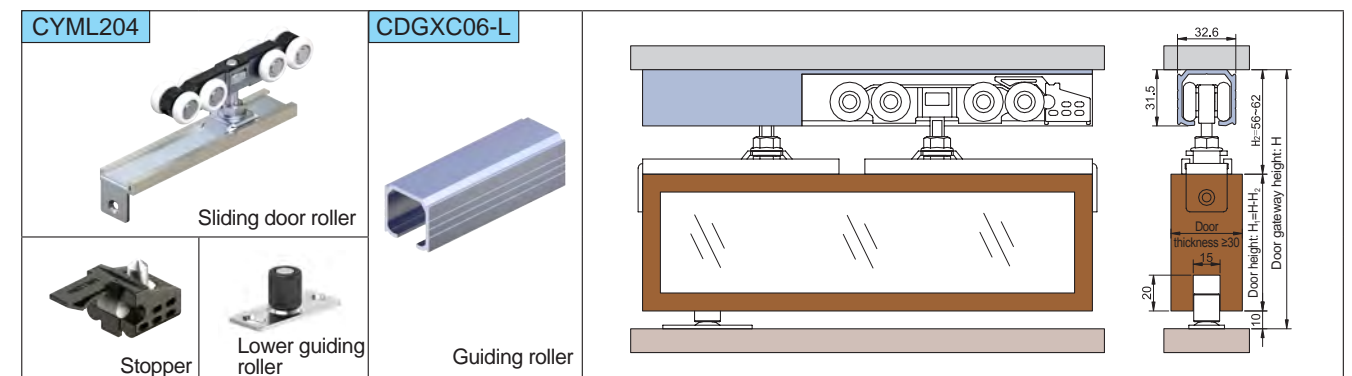
- ◆ Single door weight: 80KG.
- ◆ Material: Mainly use carbon structural steel, and the surface is treated by high quality anti-corrosion process.
- ◆ Single door frame hanging roller CYML101 includes: sliding door roller x2, stopper x2, distribution (lower guiding roller x1, spanner x1, a number of tapping screws).
- ◆ The length of the guide rail can be placed according to the actual size of the door.



- ◆ Single door weight: 120KG.
- ◆ Material: Mainly use carbon structural steel, and the surface is treated by high quality anti-corrosion process.
- ◆ Single door frame hanging roller CYML101 includes: sliding door roller x2, stopper x2, distribution (lower guiding roller x1, spanner x1, a number of tapping screws).
- ◆ The length of the guide rail can be placed according to the actual size of the door.



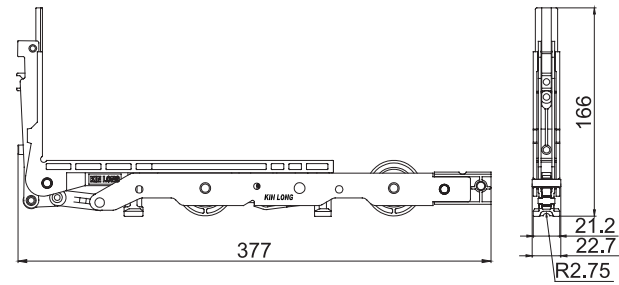
- ◆ Single door weight: 80KG.
- ◆ Material: Mainly use carbon structural steel, and the surface is treated by high quality anti-corrosion process.
- ◆ Single door frame hanging roller CYML101 includes: sliding door roller x2, stopper x2, distribution (lower guiding roller x1, spanner x1, a number of tapping screws).
- ◆ The length of the guide rail can be placed according to the actual size of the door.



- ◆ Single door weight: 120KG.
- ◆ Material: Mainly use carbon structural steel, and the surface is treated by high quality anti-corrosion process.
- ◆ Single door frame hanging roller CYML101 includes: sliding door roller x2, stopper x2, distribution (lower guiding roller x1, spanner x1, a number of tapping screws).
- ◆ The length of the guide rail can be placed according to the actual size of the door.

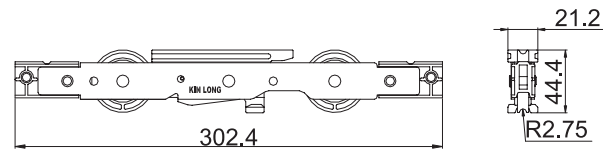
Lift&Sliding Roller Series

Front roller H50A



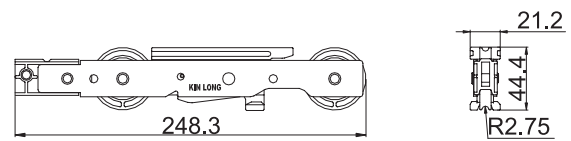
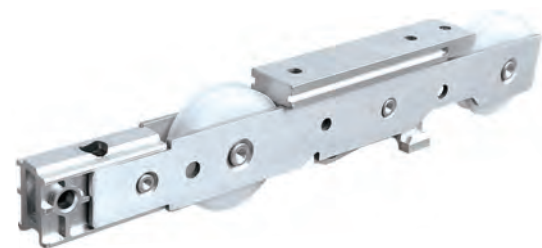
◆ Max bearing capacity: 300kg If the width exceeds 2000mm, the middle roller shall be installed.

Middle Roller H51



◆ Max bearing capacity: 300kg If the width exceeds 2000mm, the middle roller shall be installed.

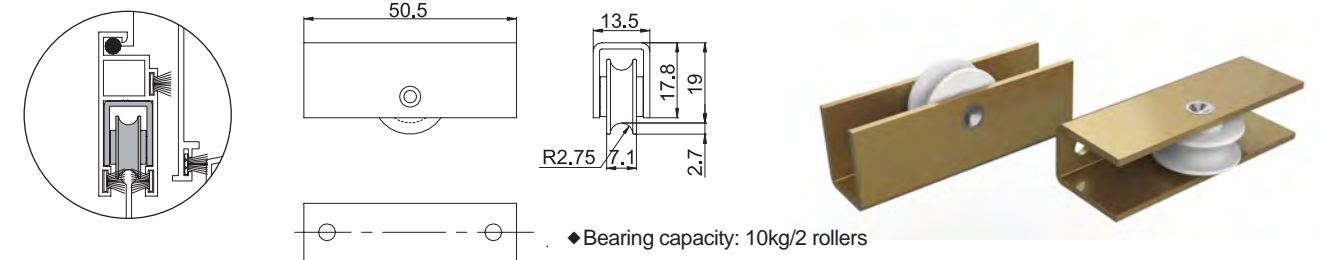
Back roller H52



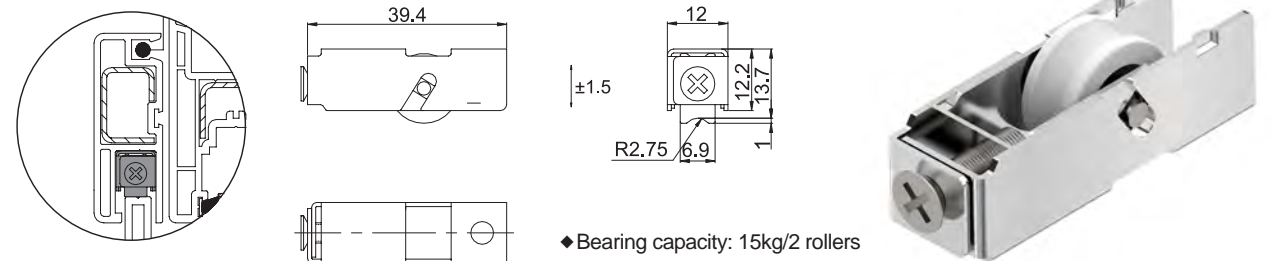
◆ Max bearing capacity: 300kg If the width exceeds 2000mm, the middle roller shall be installed.

Other Roller Series

Window screen roller: CCLSD001



Window screen roller: CCLSD002



Other custom roller

Rollers can be customized and developed according to the needs. Whether it is system doors and windows, or wheels for special applications. As long as you have needs, we will customize them for you.



Part of The Product Introduction

Single roller CCL56



1

◆ It adopts corrosion-resistant surface treatment technology, suitable for use in different environments and climatic conditions, and has a beautiful appearance.

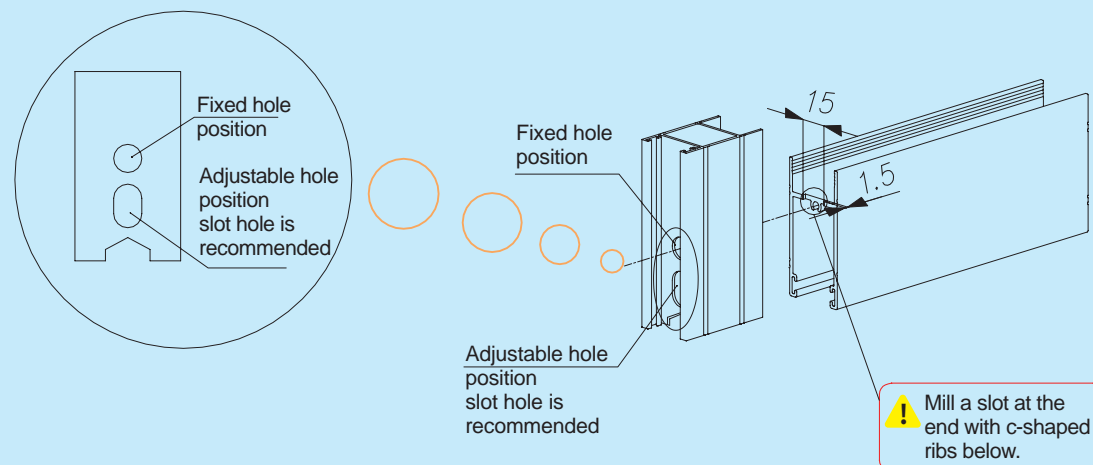
2

◆ The tail of the pulley shell has an adjustment mark: the "+" direction indicates that the adjustment makes the height rise, and the "-" direction indicates that the adjustment makes the of the product drop

3

◆ The roller has a variety of widths to choose , which can be selected according to the width of the profile cavity

Drilling diagram



Part of The Product Introduction

Double roller CML001



1

◆ It adopts corrosion-resistant surface treatment technology, suitable for use in different environments and climatic conditions, and has a beautiful appearance.

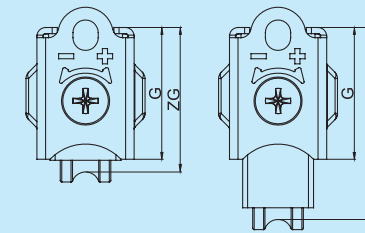
2

◆ The tail of the pulley shell has an adjustment mark: the "+" direction indicates that the adjustment makes the height rise, and the "-" direction indicates that the adjustment makes the of the product drop.

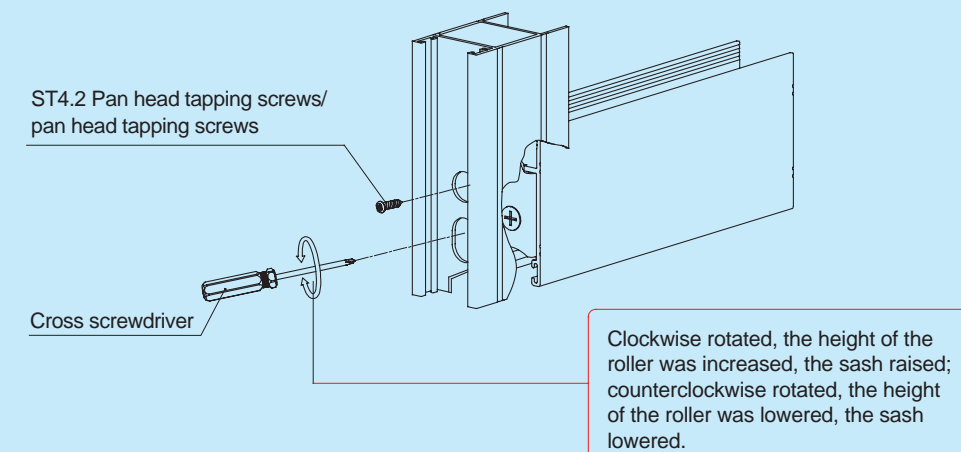
3

◆ Hight of customization: the aluminum alloy inner shell can be processed to increase the overall height (ZG) of the product to achieve the need for high customization of carbon steel rollers. (See the schematic diagram for details)

Height customization diagram

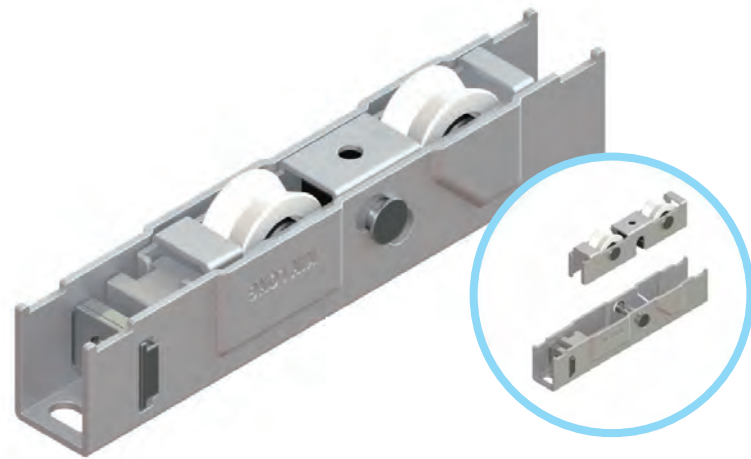


Adjustment diagram



Part of The Product Introduction

Double roller ML51/ML52

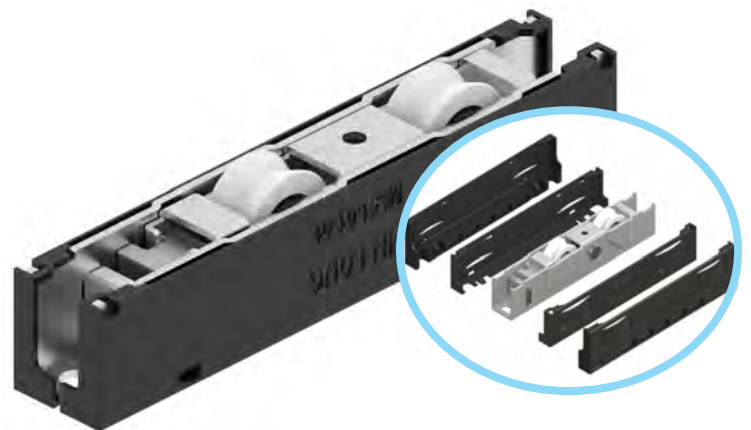


1 **▶**
 ◆ It adopts corrosion-resistant surface treatment technology, suitable for use in different environments and climatic conditions, and has a beautiful appearance.

2 **▶**
 ◆ The split modular design subverts the traditional roller maintenance method and makes the subsequent maintenance easier and faster; and it is suitable for fast delivery and stocking.

3 **▶**
 ◆ The rollers have a variety of shapes to fit with the track, which meet the sliding profile requirements.

4 **▶**
 ◆ Products have a variety of plastic coat combination, full meet different sliding profile cavity needs.



Part of The Product Introduction

Double roller CMLG001



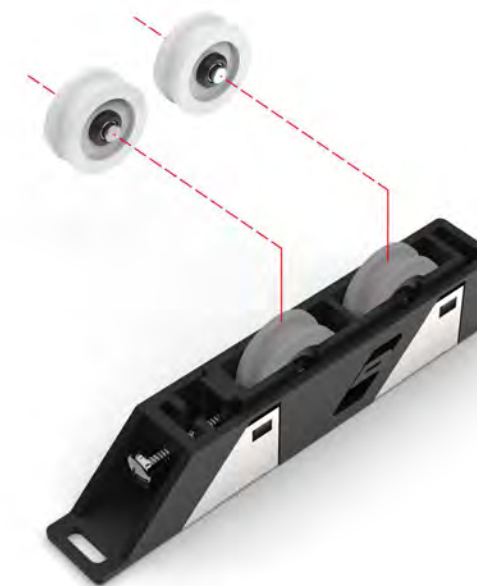
1 **▶**
 ◆ The roller body adopts high-strength engineering plastics to ensure the load-bearing requirements of the product.

2 **▶**
 ◆ Roller can realize width change through the combination of shell auxiliary parts with different width specifications, to meet different sliding profile cavity sizes.

3 **▶**
 ◆ Roller can realize width change through the combination of shell auxiliary parts with different width specifications, to meet different sliding profile cavity sizes.

4 **▶**
 ◆ Make full use of the plastic deformation of the material to achieve quick and convenient maintenance and replacement of the roller.

5 **▶**
 ◆ The whole product is designed without riveting, fast assembly which can improving production efficiency, mass production, warehouse preparation.



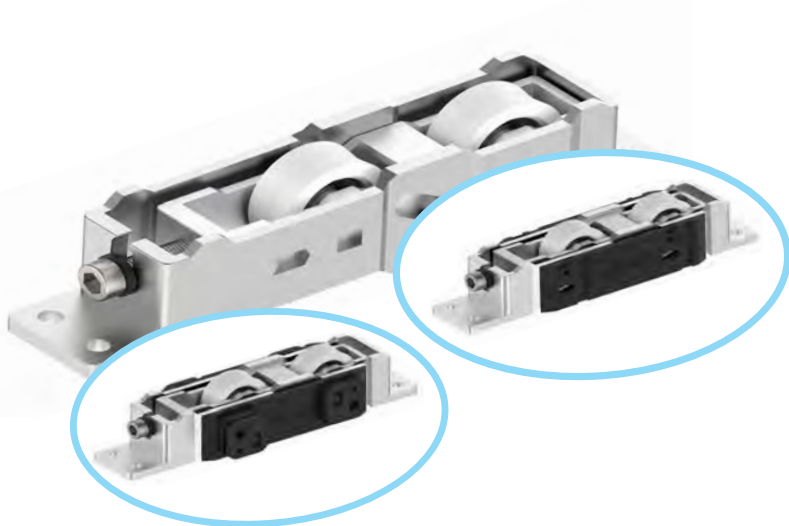
Part of The Product Introduction

Double roller CML013



- 1
 - ◆ It adopts corrosion-resistant surface treatment technology, suitable for use in different environments and climatic conditions, and has a beautiful appearance.
- 2
 - ◆ Structure design: pulling structure has good balance performance, making the adjustment more smoothly.
- 3
 - ◆ The width of the product can be changed by adding plastic gaskets on both sides of the shell.

Double roller CML019



- 1
 - ◆ The outer shell is aluminum alloy nature color, anti-corrosion performance is good, and the appearance is beautiful and generous.
- 2
 - ◆ Structure design: pulling structure has good balance performance, making the adjustment more smoothly.
- 3
 - ◆ Width customization: the product has a variety of plastic gasket collocation combinations, to meet the needs of different sliding profile cavities.

Part of The Product Introduction

Roller ML17



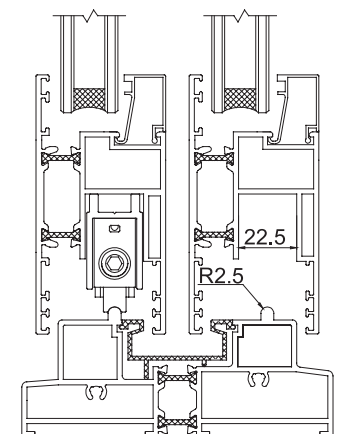
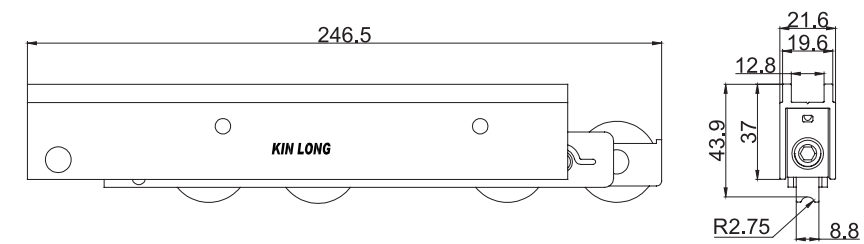
- 1
 - ◆ Surface treatment: roller surface treated with brush, which is beautiful and generous.
- 2
 - ◆ Insert design: movable insert design, ensure smooth and smooth roller adjustment.
- 3
 - ◆ The screw has a clasp type anti-release device, to ensure that the screw does not fall off during transportation and customer use.

Roller MLF18



- 1
 - ◆ Surface treatment: sandblasting on the surface of the substrate, which is beautiful, generous, and good anti-corrosion effect.
- 2
 - ◆ Self-balancing structure design: the combined high load-bearing performance makes the heavy sliding door easier and more comfortable during use.
- 3
 - ◆ The screw has an inverted anti-falling structure to ensure that it will not fall off during transportation and customer use.

ML17-TLTS/MLF18-TLTS



◆ The roller ML17/MLF18 can be equipped with an aluminum alloy outer shell to match the lifting and sliding profiles.

Part of The Product Introduction

Double roller CML017/CML018



1 Model

- ◆ Roller CML017(Bearing capacity: 110kg/2 rollers)
- ◆ Roller CML018(Bearing capacity: 120kg/2 rollers)

2

- ◆ It adopts corrosion-resistant surface treatment technology, suitable for use in different environments and climatic conditions, and has a beautiful appearance.

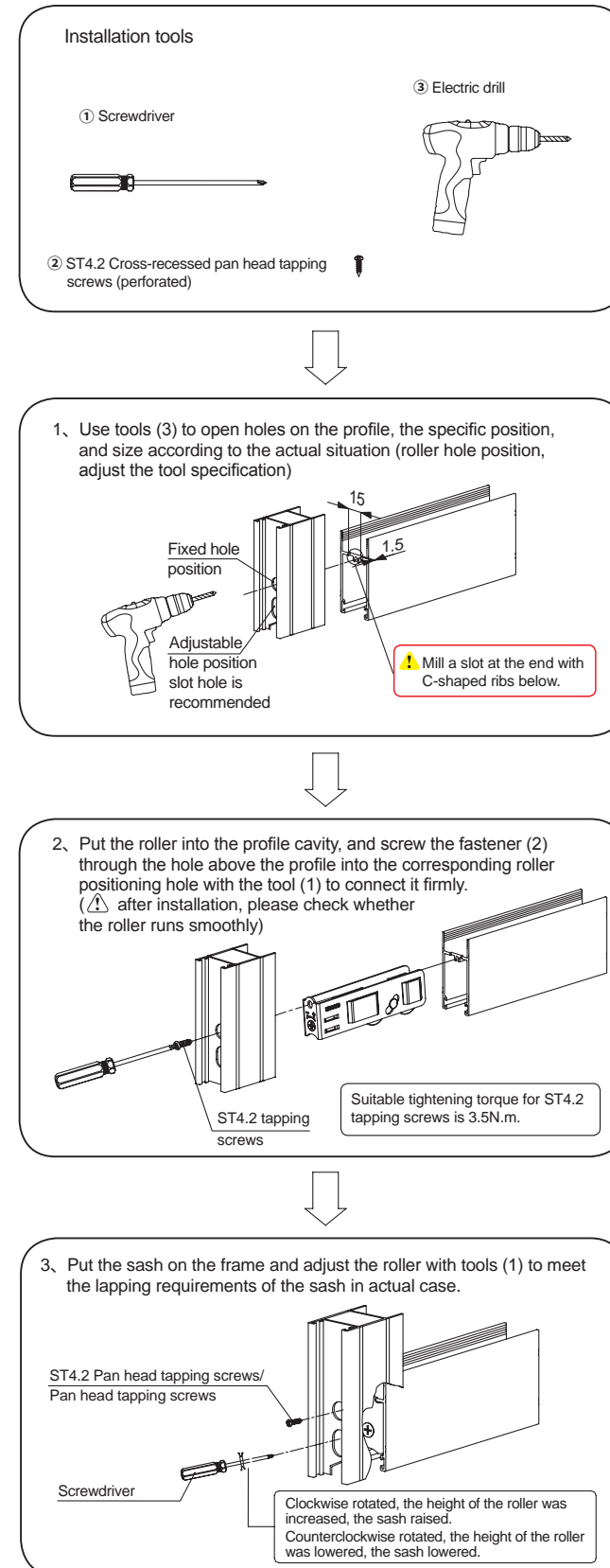
3

- ◆ The tail of the pulley shell has an adjustment mark: the "+" direction indicates that the adjustment makes the height rise, and the "-" direction indicates that the adjustment makes the of the product drop.

4

- ◆ Structural design: double-shell + connecting block structure, so that the Roller has a good self-balancing performance and has a big adjustment (±4mm).

Installation diagram



Double roller CML014/CML015/CML016



1 Model

- ◆ Roller CML014(Bearing capacity: 130kg/2 rollers)
- ◆ Roller CML015(Bearing capacity: 140kg/2 rollers)
- ◆ Roller CML016(Bearing capacity: 150kg/2 rollers)

2

- ◆ It adopts corrosion-resistant surface treatment technology, suitable for use in different environments and climatic conditions, and has a beautiful appearance.

3

- ◆ The tail of the pulley shell has an adjustment mark: the "+" direction indicates that the adjustment makes the height rise, and the "-" direction indicates that the adjustment makes the of the product drop.

4

- ◆ Spring design: spring labor-saving structure, it is more convenient for installation and adjustment.

5

- ◆ The product has a variety of widths to choose from to meet the needs of different sliding profile cavities.

Roller CMLF001



1

- ◆ The outer shell is aluminum alloy nature color, anti-corrosion performance is good, and the appearance is beautiful and generous.

2

- ◆ Structure design: spring structure + pulling structure, the product has good balance performance, making the adjustment more convenient.

3

- ◆ Customization: The height and width of the product can meet the needs of sliding profiles through simple processing methods.

Part of The Product Introduction

Hardcover roller series CML020



- 1 **Model**
 - ◆ Roller CML020 (Bearing capacity: 100kg/2 rollers)
 - ◆ Roller CML021 (Bearing capacity: 120kg/2 rollers)
 - ◆ Roller CML022 (Bearing capacity: 140kg/2 rollers)
- 2
 - ◆ Surface treatment: roller surface treated with brush, which is beautiful and generous.
- 3
 - ◆ Material: The main body of the product is 201 stainless steel, and 304 stainless steel can be customized, which can meet the needs of different environments and climates.
- 4
 - ◆ Structure design: apply red plastic accessories, which can quickly locate the adjusting screw, make the adjustment more quickly.

Double roller CML009 series



- 1 **Model**
 - ◆ Roller CML009 (Bearing capacity: 130kg/2 rollers)
 - ◆ Roller CML010 (Bearing capacity: 140kg/2 rollers)
 - ◆ Roller CML011 (Bearing capacity: 150kg/2 rollers)
- 2
 - ◆ The outer shell is aluminum alloy nature color, anti-corrosion performance is good, and the appearance is beautiful and generous.
- 3
 - ◆ Spring design: spring labor-saving structure, it is more convenient for installation and adjustment.
- 4
 - ◆ The shell and the inner shell of the product have two materials for choice of carbon steel and stainless steel, to meet the different environment and climate of sliding roller use requirements.

Part of The Product Introduction

CMLF28 Roller series



- 1 **Model**
 - ◆ Three-rollers CMLF2801 (Bearing capacity: 150kg/2 rollers)
 - ◆ Four-rollers CMLF2802 (Bearing capacity: 200kg/2 rollers)
 - ◆ Five-rollers CMLF2803 (Bearing capacity: 250kg/2 rollers)
 - ◆ Six-rollers CMLF2804 (Bearing capacity: 300kg/2 rollers)
- 2
 - ◆ The outer shell is aluminum alloy nature color, anti-corrosion performance is good, and the appearance is beautiful and generous.
- 3
 - ◆ The product can achieve modular, standardized production.
- 4
 - ◆ The width of the product can meet the demand of sliding profiles by simple processing.

CMLF37 Roller series



- 1 **Model**
 - ◆ Double rollers CMLF3701 (Bearing capacity: 100kg/2 rollers)
 - ◆ Four-rollers CMLF3702 (Bearing capacity: 150kg/2 rollers)
 - ◆ Six-rollers CMLF3703 (Bearing capacity: 200kg/2 rollers)
- 2
 - ◆ The outer shell is aluminum alloy nature color, anti-corrosion performance is good, and the appearance is beautiful and generous.
- 3
 - ◆ The product can achieve modular, standardized production.
- 4
 - ◆ The width of the product can meet the demand of sliding profiles by simple processing.
- 5
 - ◆ The height of the roller can be changed by the combination of plastic gaskets and auxiliary parts.

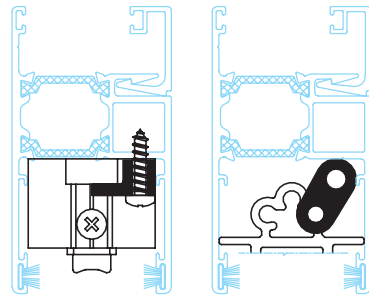
Part of The Product Introduction

Insulation sliding profile roller fixing solution:

According to the national green energy saving policy, the development trend of the door window industry, thermal insulation profile will become the mainstream of the market, the specification of thermal insulation strips used in thermal insulation profiles in various regions are different, and there is no unified slot standard for push-pull profiles in the market, which makes there are so many different profile. roller hardware is often fixed to the insulation strip and there is a risk of loose installation.

In order to solve the problem of f installation of roller on sliding profile with thermal insulation broken bridge, a new roller conversion fixing device is introduced, which can realize the rotation of the pulley fixing hole within a certain range and fix it with screws, avoid fixing the roller on the thermal insulation strip of the aluminum profile directly.

Schematic diagram and schematic diagram of suitable profiles



Schematic diagram



The following rollers can be fixed by this scheme		
CL10B	ML11A	CML005
CL11	ML13A	CML301
CL18	ML14	CML302
CCL21	ML15A	CML311
CCL22	ML16A	CML312
CCL23	ML19	CML321
CCL24	CML33	CML322

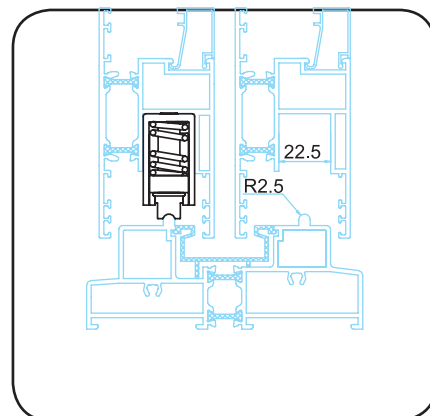
IV、Friction Stay and Pegstay Series



Super large sliding door roller product bearing scheme:



With the improvement of people's requirements for the quality of life, there are higher requirements for the living environment and housing conditions. the sliding doors and windows are equipped with large specifications glass, not only increase the indoor lighting but also improve the overall appearance of the building.

Conventional roller products in the market cannot meet the load-bearing requirements of the sliding door and window system with large specifications. in view of this situation, our company has developed CMLF36 series of ultra-high load-bearing roller products, which can customize the number of roller wheels according to the size of sliding door and window specifications, and improve the load-bearing capacity of the roller through the number of wheels. meet the load-bearing capacity of 300kg, 400kg, or larger weight sliding doors. as long as you have requirements, we provide customized services for you and provide high-quality solutions.



Key Points for Selecting Kinlong Friction Stay and Pegstay

1. Selection of the self-tapping screws

- ◆ Adopt stainless steel ST4.2 self-tapping screws, divided into: countersunk screws  pan-head screws 
- ◆ Select the screw according to the actual situation and suggest that the countersunk holes adopt countersunk screws while other holes adopt pan-head screws. so the firmness and reliability of installation can be guaranteed(refer to the below pictures)



Countersunk screw



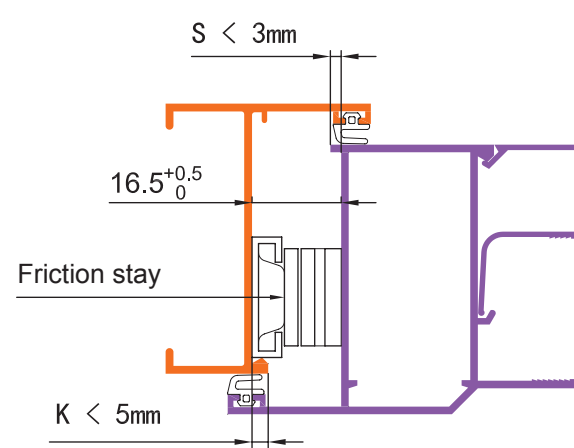
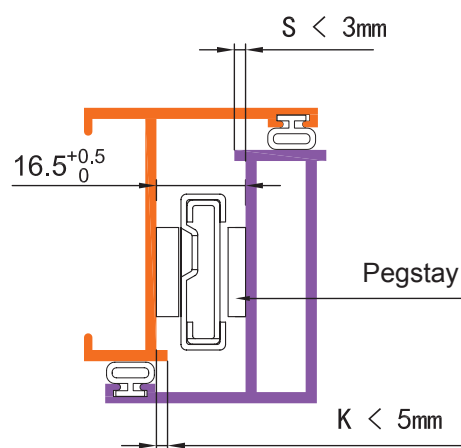
Pan-head screw

2. Selection of the friction stay

- ◆ Safety loading capacity=total weight (glass+ window sash & profile) x safety factor 1.4 ≤ maximum weight (refer to technical parameters).
- ◆ Side-hung window adopts side-hung window friction stay (for example HC400A) while top-hung window adopts top-hung window friction stay(for example FJ600A), which should work with pegstay together;
- ◆ Generally, for side-hung window, the length of friction stay should be no less than 2/3 of window width, but if the window weight is light, then it can be 1/2 of the window width. for top-hung window, the length should be 1/2 of the window height.
- ◆ The friction stay should be used in pairs(left and right for each window).
- ◆ Suggested proportion of the window(height / width) is 1.5:1.

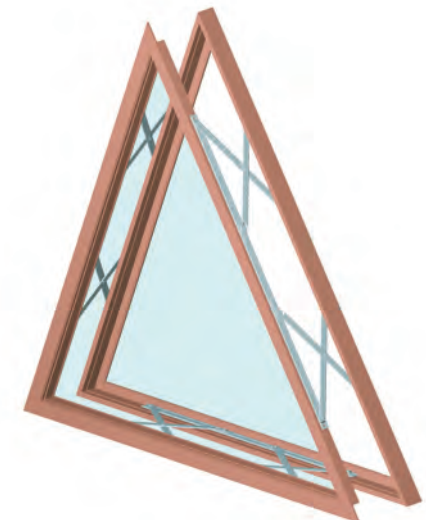
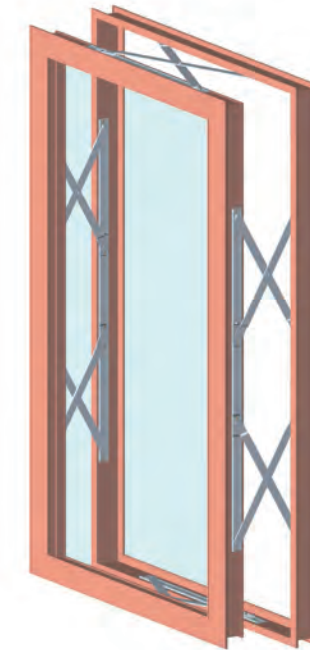
3. Required installation dimension of hardware for aluminium profile

Note: The dimension as below is size after surface treatment, of which the sash rib height $S < 3\text{mm}$, the frame rib height $K < 5\text{mm}$



Friction Stay HC850 Series

The parallel window has a novel opening mode with good permeability and can achieve flexible ventilation. It has both manual and electric opening modes. the structure of new friction stay HC850 series for parallel window is optimized and improved and it's bearing capacity can be up to 160kg, opening distance up to 280mm, applicable to different types of windows for detailed configuration, please contact our technical department.



◆ Applicable to parallel windows bearing capacity is up to 160kg

◆ Widened and extended crossed rods make the opening and closing smooth and stable.

◆ Special reinforcing block design, makes it high-strength

◆ Adjustable rivet design makes it easy to install

Friction Stay HCC45 Series

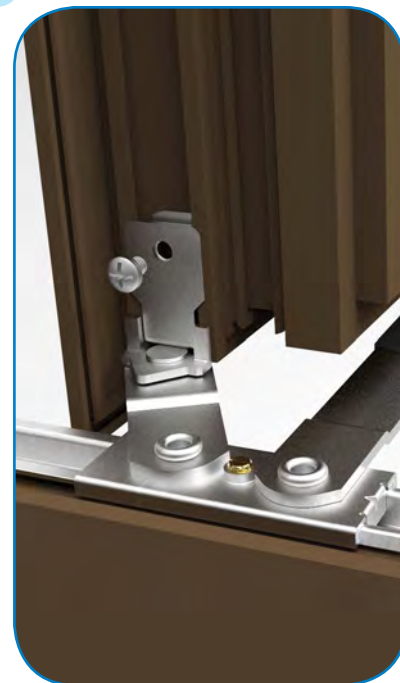
Friction stay HCC45

- ◆ Solution for interference between detachable corner joint and support arm installation.
- ◆ Suitable for side hung window with C-groove profile.



Friction stay HCC45F

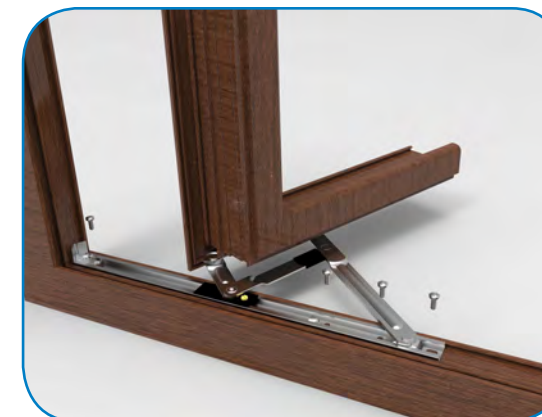
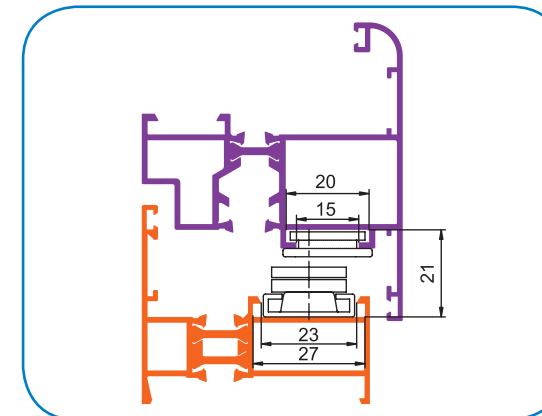
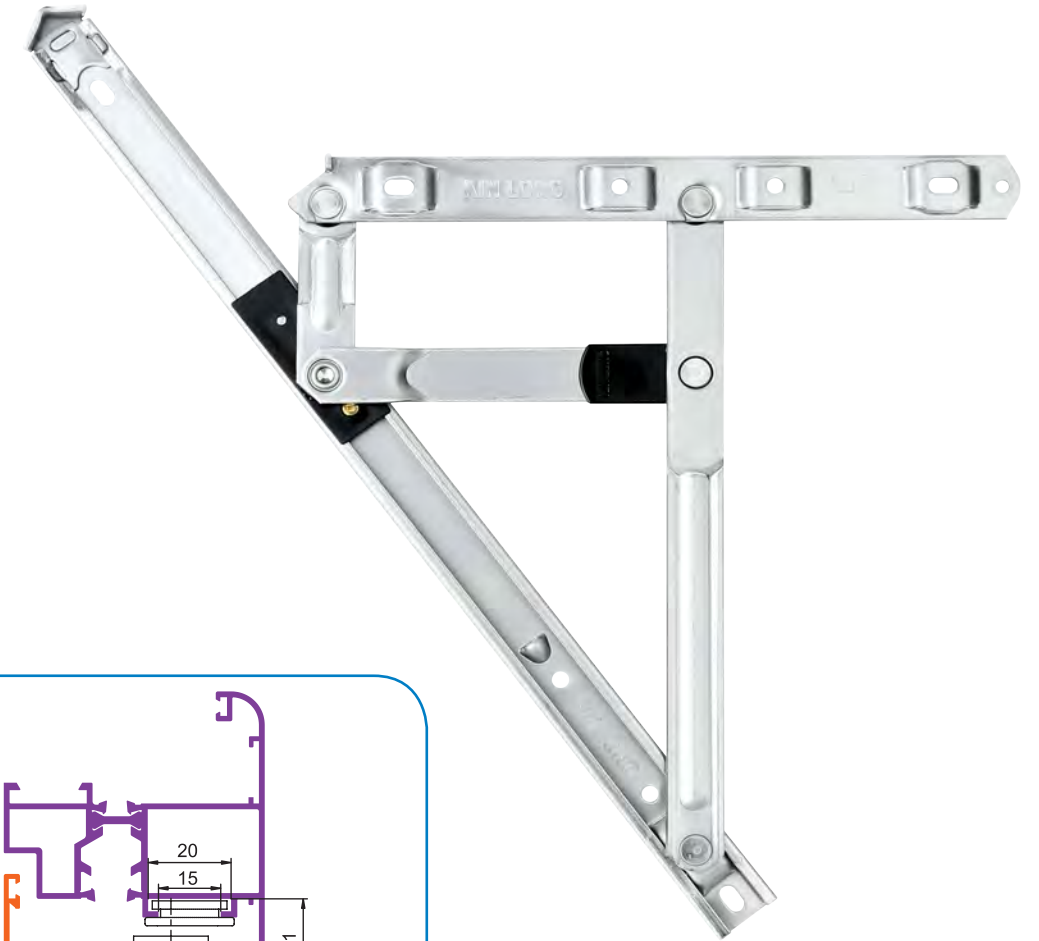
- ◆ Safety and anti-drop solution for open-out side hung windows.
- ◆ Suitable for side hung window with C-groove profile.



Friction Stay HCK40 Series

Friction stay HCK40

- ◆ Applicable to open-out side hung windows with K-groove profile
- ◆ The supporting arm with bending design makes installation easy and fast.



Open-out Side-hung Friction Stay WJL105 Series

WJL105 (Ordinary type)

- ◆ Product serialization / wide application / delicate and nice appearance / bearing capacity is up to 65kg.



WJL105(Basic C-groove)



WJL105/I (Standard C-groove)



WJL105/II (Without groove)

WJL105D (Positioning type)

- ◆ The arm adopts positioning design, which makes the installation fast and efficient.



WJL105D(Basic C-groove)



WJL105D/I (Standard C-groove)



WJL105D/II (Without groove)

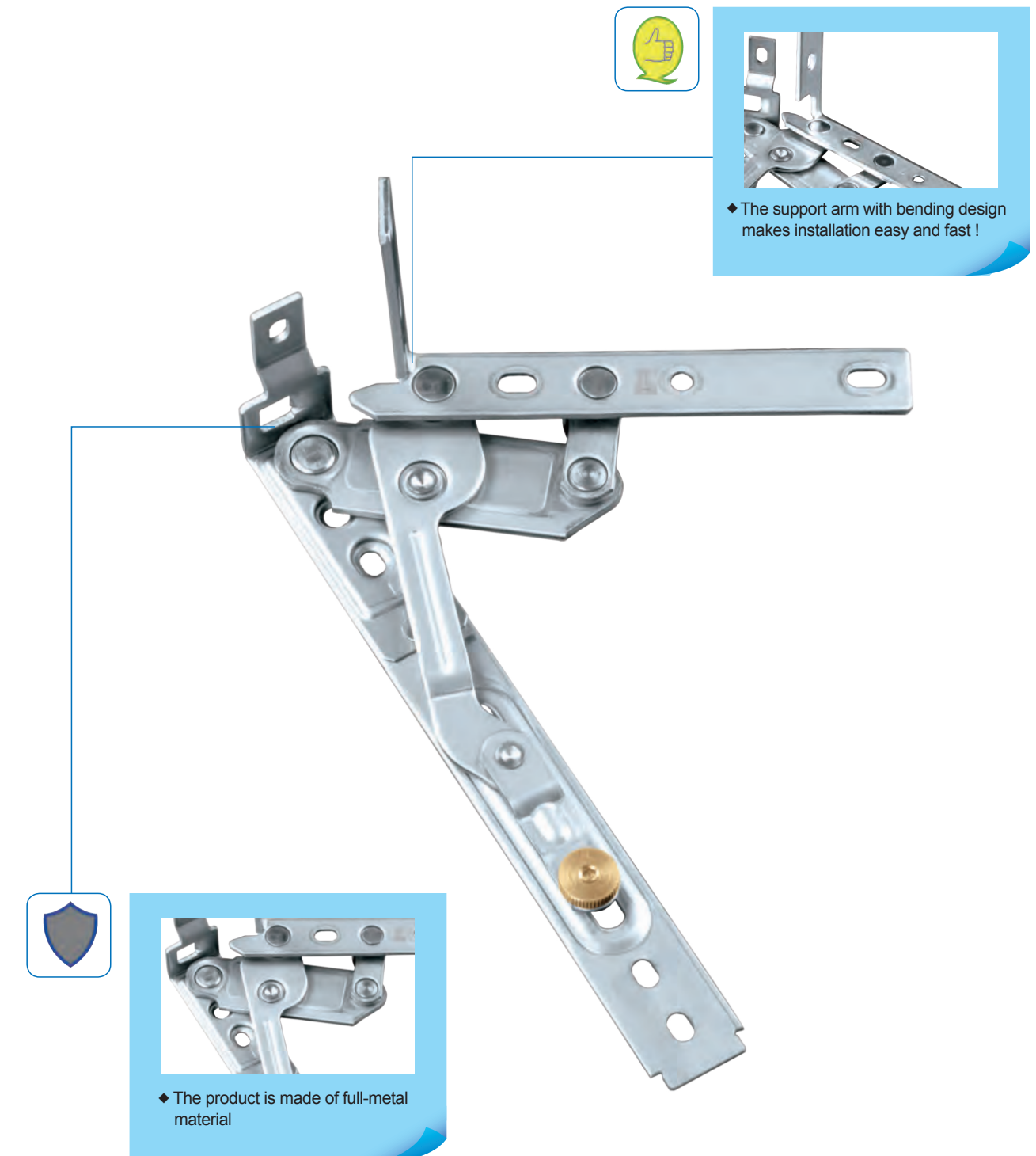
Selecting principle:

1. For WJL105 and WJL105/II, no need to distinguish the window type, 1 left type and 1 right type for each window.
2. For WJL105/I, please refer to the table as below.
3. WJL105D selection principle is the same as above WJL105.

Window type	Code	Main body	Clamp block
Left-handed window	WJL105L/I-S (Upper left)	WJL105R	L-S
	WJL105L/I-X (Lower left)	WJL105L	L-X
Right-handed window	WJL105R/I-S (Upper right)	WJL105L	R-S
	WJL105R/I-X (Lower right)	WJL105R	R-X

Open-out Side-hung Friction Stay WJN20

- ◆ Suitable for european standard C-groove open-out side-hung window.
- ◆ The product is made of full-metal material.
- ◆ The support arm with bending design makes installation easy and fast.

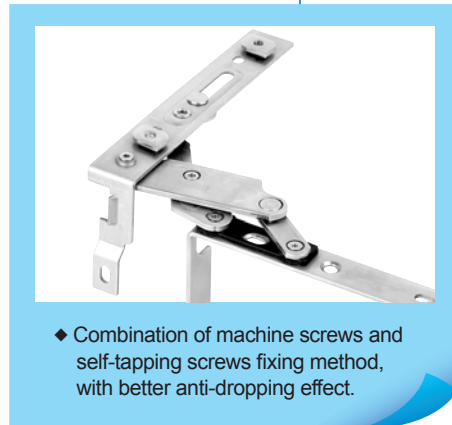


Open-out Hinge WJ200

- ◆ High load-bearing open-out hinge, load-bearing up to 90Kg.
- ◆ Bending design of support arm can realize quick positioning and installation.
- ◆ It is suitable for the casement windows of european standard C-groove profiles.



- ◆ Bending arm design for quick positioning Installation and anti-drop function.



- ◆ Combination of machine screws and self-tapping screws fixing method, with better anti-dropping effect.



- ◆ With the new sliding structure, achieve multi-angle positioning.

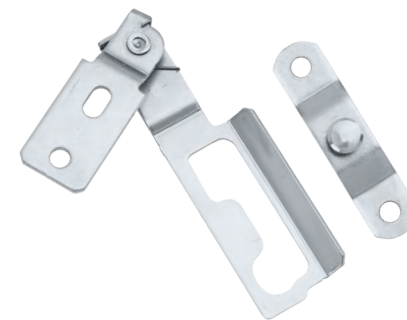
Limiter XW15

- ◆ Limiter XW15.
- ◆ It is used in conjunction with friction stay to be used for top-hung windows without grooves.
- ◆ Small opening angle to achieve a micro-ventilation state.



Limiter XW20

- ◆ Limiter XW20.
- ◆ It is suitable for the casement windows of european standard C-groove profiles.
- ◆ Small opening angle to achieve a micro-ventilation state.



Disengagement Preventer FTQ25 Series

Disengagement preventer is an anti-fallout device, which is fixed between window frame and sash by stainless steel cable. when the window sash is disengaged from the frame accidentally, it can prevent the sash from falling, when the wind reaches level 5, the window must be locked.



FTQ25 Series adopt high-strength stainless steel cable to ensure the connection strength and it has high security and variety types, applicable to profile without groove, with C-groove, or with standard european C-groove to achieve the quick installation.

Non-groove type: FTQ25

- ◆ Applicable to profile without groove
- ◆ Connected by self-tapping screws, easy and convenient



Standard european C-groove type: FTQ25/I

- ◆ Applicable to profile with standard european C-groove
- ◆ Unique clamp block design makes it quick to install and easy to adjust



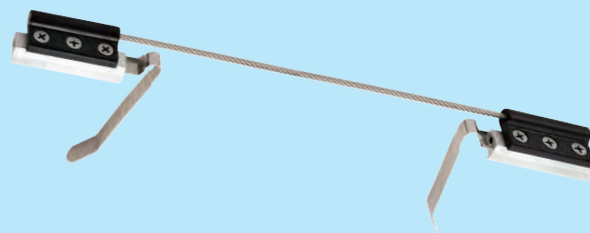
Single side C-groove type: FTQ25/I-S

- ◆ Left &right (picture shows the right style)
- ◆ The sash adopts unique clamp block design, and the frame is connected by self-tapping screws, which makes it quick to install and easy to adjust



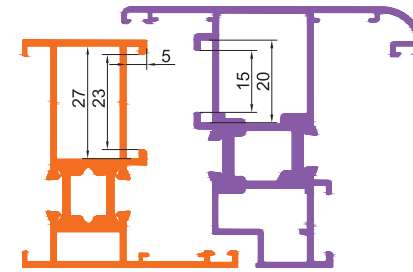
Strengthened type: FTQ25/II

- ◆ "L" Shaped spring put inside the profile can greatly improve the resistance performance

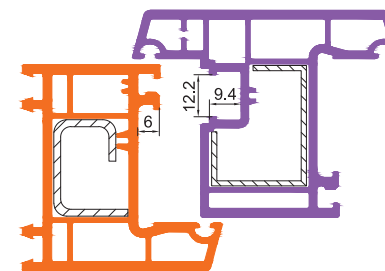


Disengagement Preventer FTQ26 Series

FTQ26 Series are applicable to profile with K-groove and U-groove, and adopt high-strength stainless steel cable. FTQ26-K is silver white oxidized surface while FTQ26-PQ is white sprayed surface with beautiful appearance.



Profile with K-groove



Profile with U-groove

FTQ26-K

- ◆ Applicable to profile with K-groove
- ◆ Silver white oxidized surface, high end and elegant
- ◆ Left &right (picture shows the right style)



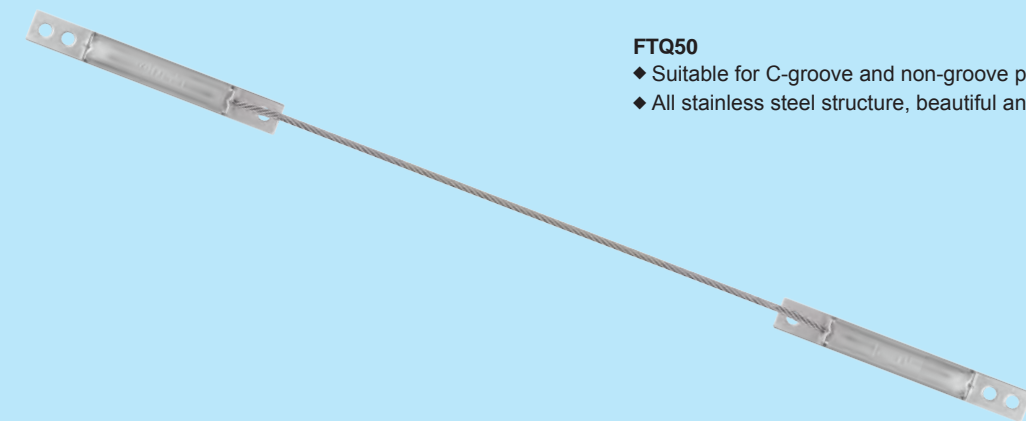
FTQ26-PQ

- ◆ Applicable to profile with U-groove
- ◆ White sprayed surface, beautiful and elegant
- ◆ Left &right (picture shows the right style)



Disengagement Preventer FTQ50 Series

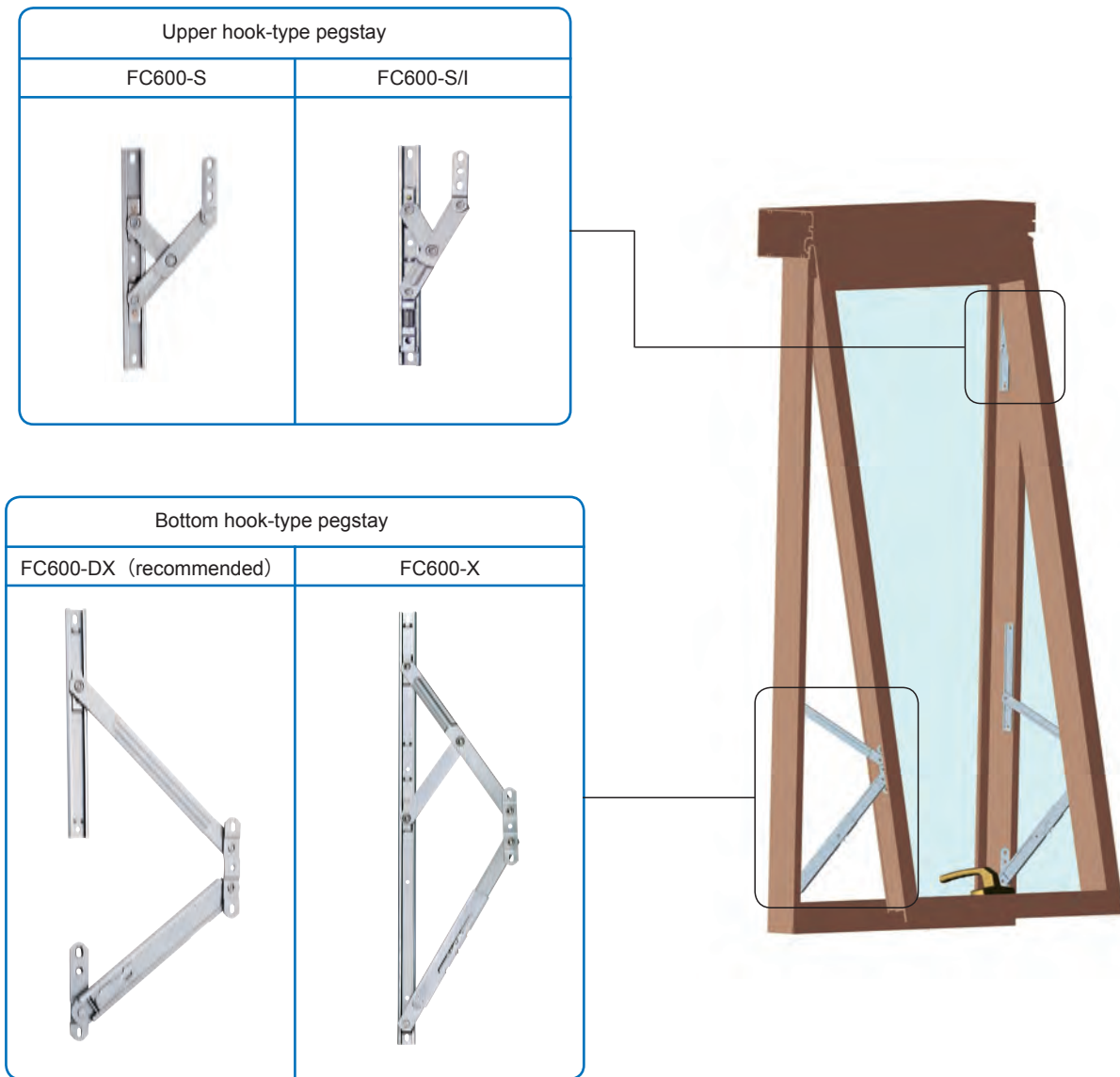
The disengagement preventer FTQ50 is made of stainless steel as a whole, with high strength, built-in spring structure with buffer function, in the event of an accidental window sash falling off, it can alleviate the impact caused by the damage to the profile. suitable for a variety of profiles such as no groove and C groove.



FTQ50

- ◆ Suitable for C-groove and non-groove profiles
- ◆ All stainless steel structure, beautiful and elegant

Solution for Hook-type Window



◆ Configuration instructions:

Sr.	Configuration name	Selected items		Remarks
		Upper hook-type pegstay	Bottom hook-type pegstay	
1	Single-gear positioning ordinary type	FC600-S	FC600-DX	Recommended Configuration
2	Single-gear positioning anti-fallout type	FC600-S/I	FC600-DX	/
3	Three-gear positioning ordinary type	FC600-S	FC600-X	/
4	Three-gear positioning anti-fallout type	FC600-S/I	FC600-X	/

Solution To Open-out Turn&Tilt Windows

Open-out turn&tilt windows refer to the window with fixed bottom side and opened from the above, which can also be called bottom-hung window . It is very popular because of large opening angle and good ventilation effect.

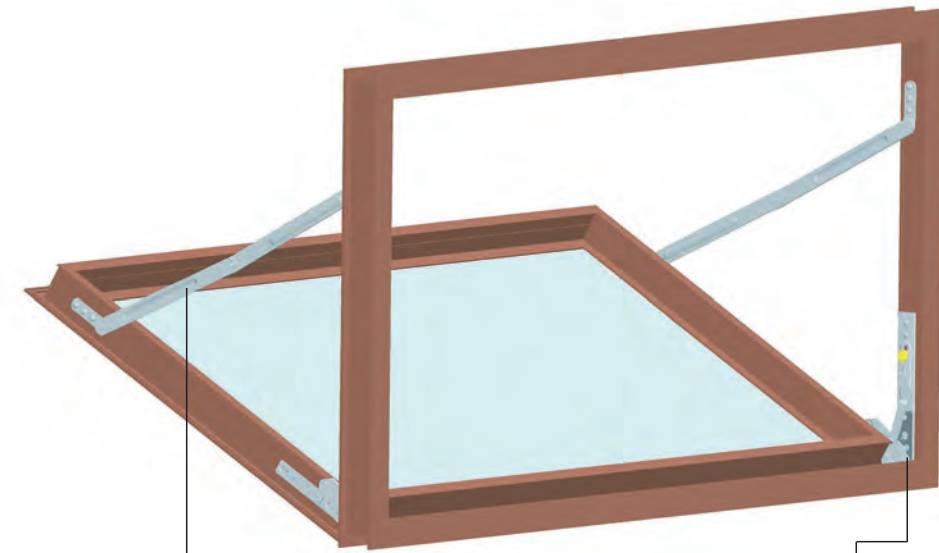
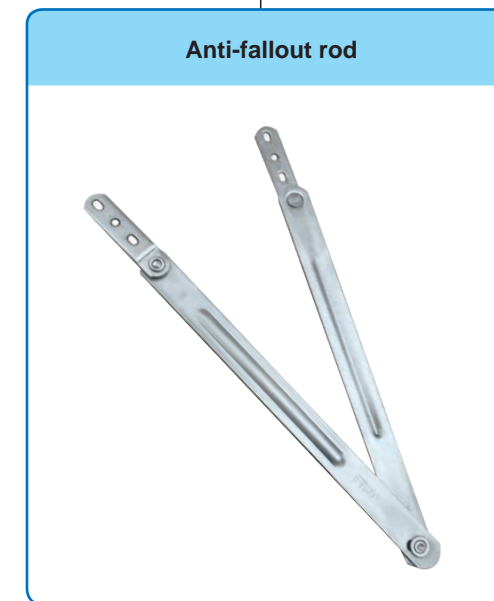


Diagram of open-out turn&tilt window



Anti-fallout rod



Open-out friction stay

★ Solution instruction for open-out turn&tilt window:

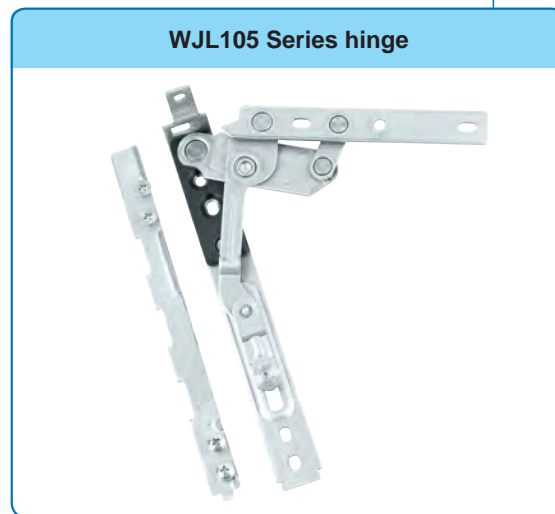
1. Two opening methods: manual open or electric intelligent open;
2. For detailed configuration, please consult the technicians of Kin Long Friction stay Dept.

Open-out Hinge Configuration Scheme

In order to improve the safety and stability of the window with the open-out hinge in use, upon selection it must be used in conjunction with the limiter XW40.



Limiter XW40



WJL105 Series hinge



WJL50 Series hinge

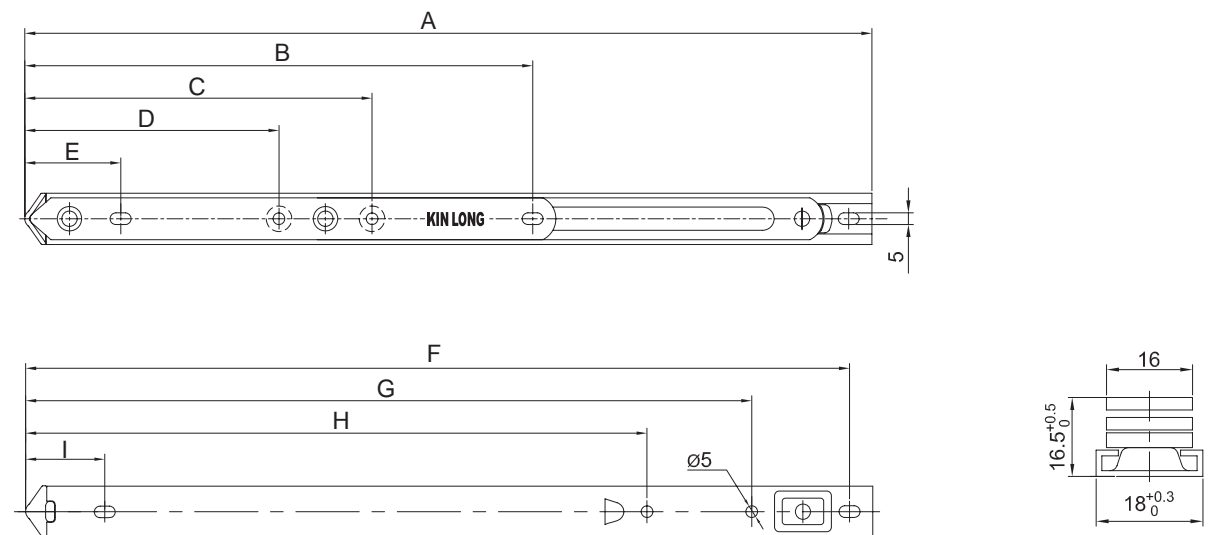
★ **Description of the open-out hinge configuration solution:**

1. This solution is suitable for open-out casement windows with open-out hinge installed;
2. For the specific configuration, please contact the Hinge department technical service personnel.

1. HC120 Series

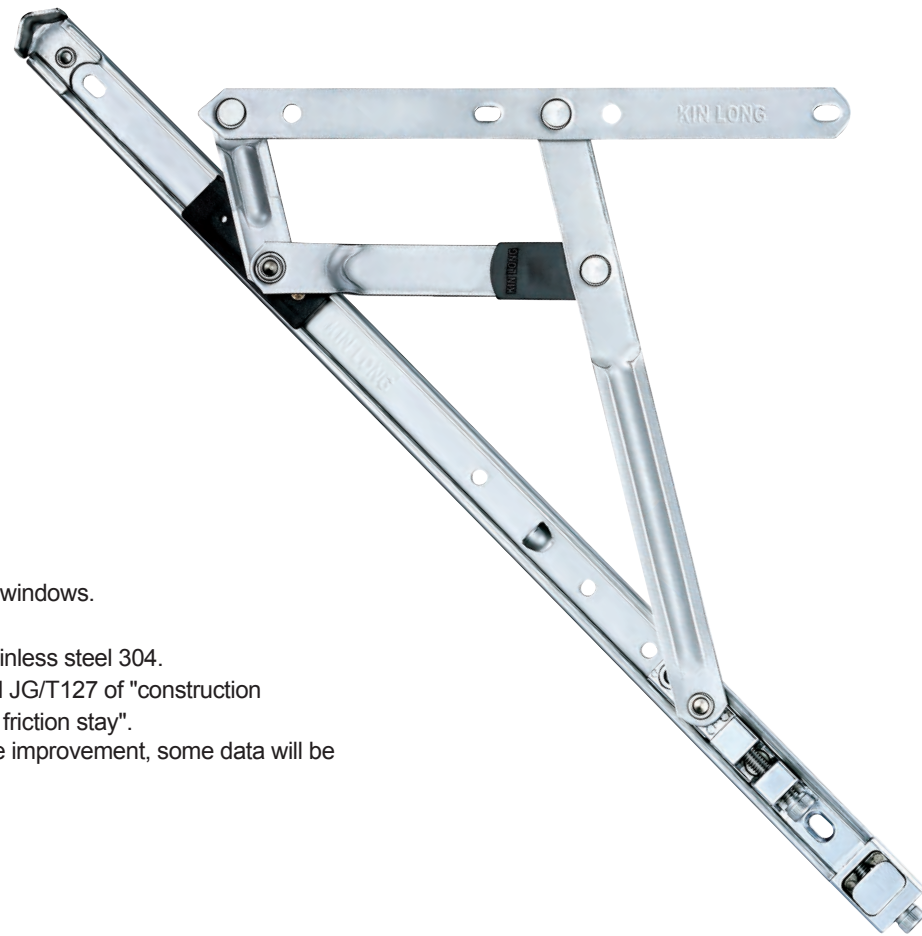


- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

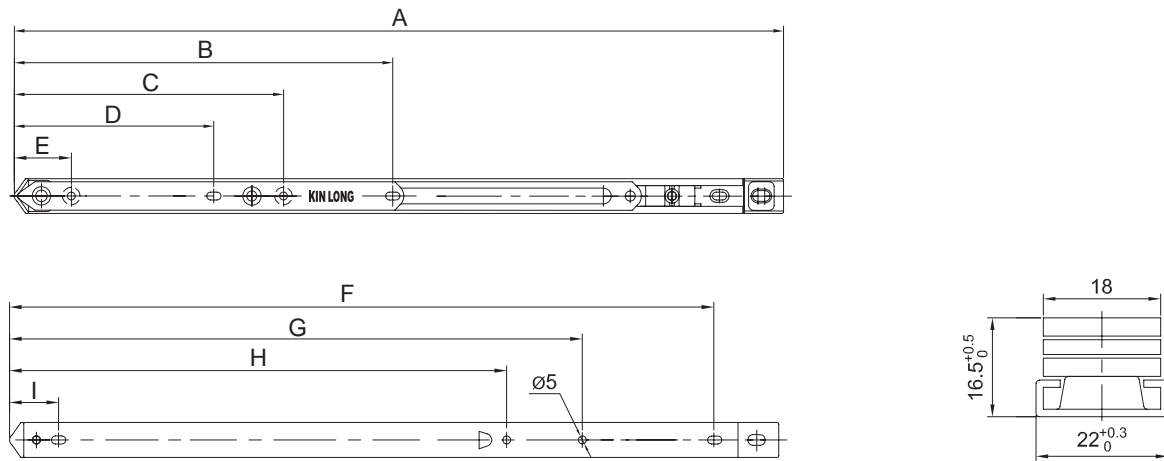


Code	Installation Dimension: Unit(mm)									Technical Parameter			
	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC120-10"	258	165	110	70	38	248	206	--	28	1300	400	18	87°
HC120-12"	308	186	124	82	38	298	256	216	28	1400	500	22	87°
HC120-14"	356	209	147	103	38	348	306	248	28	1500	600	26	87°

2. HC200A Series

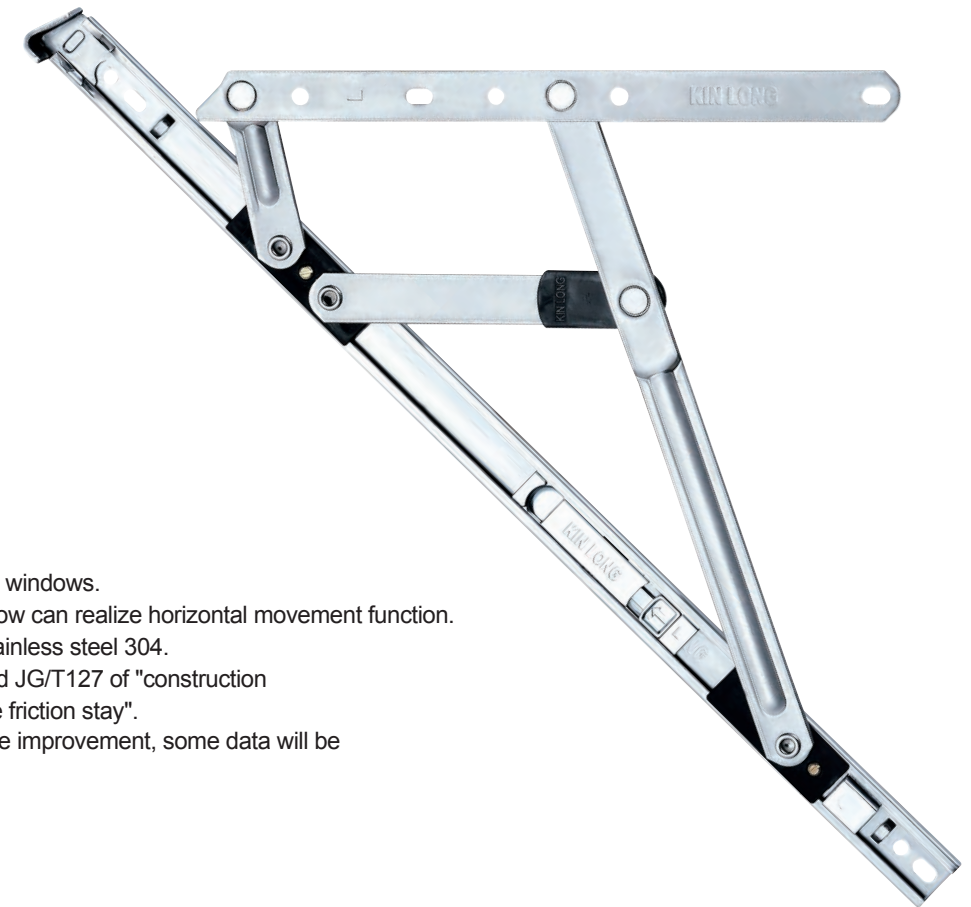


- ◆ Applicable to side-hung windows.
- ◆ Adjustable function.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

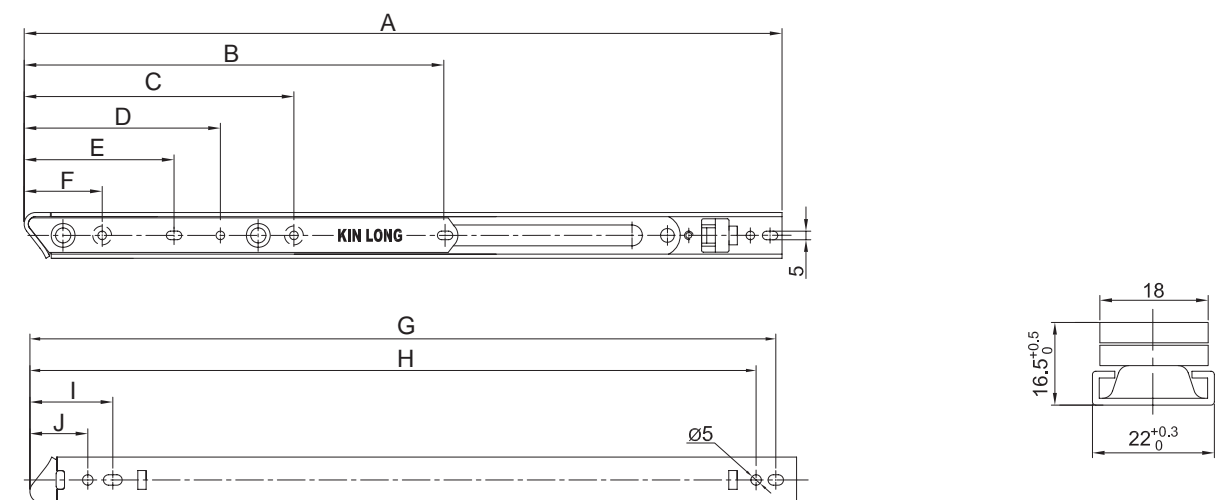


Installation Dimension: Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC200A-12"	383	202	126	82	36	342	255	--	31	1500	500	30	90°
HC200A-14"	434	222	148	104	36	394	310	280	31	1600	600	33	90°
HC200A-16"	486	243	170	126	36	445	362	314	31	1700	700	38	90°

3. HC300A Series (Left&Right)

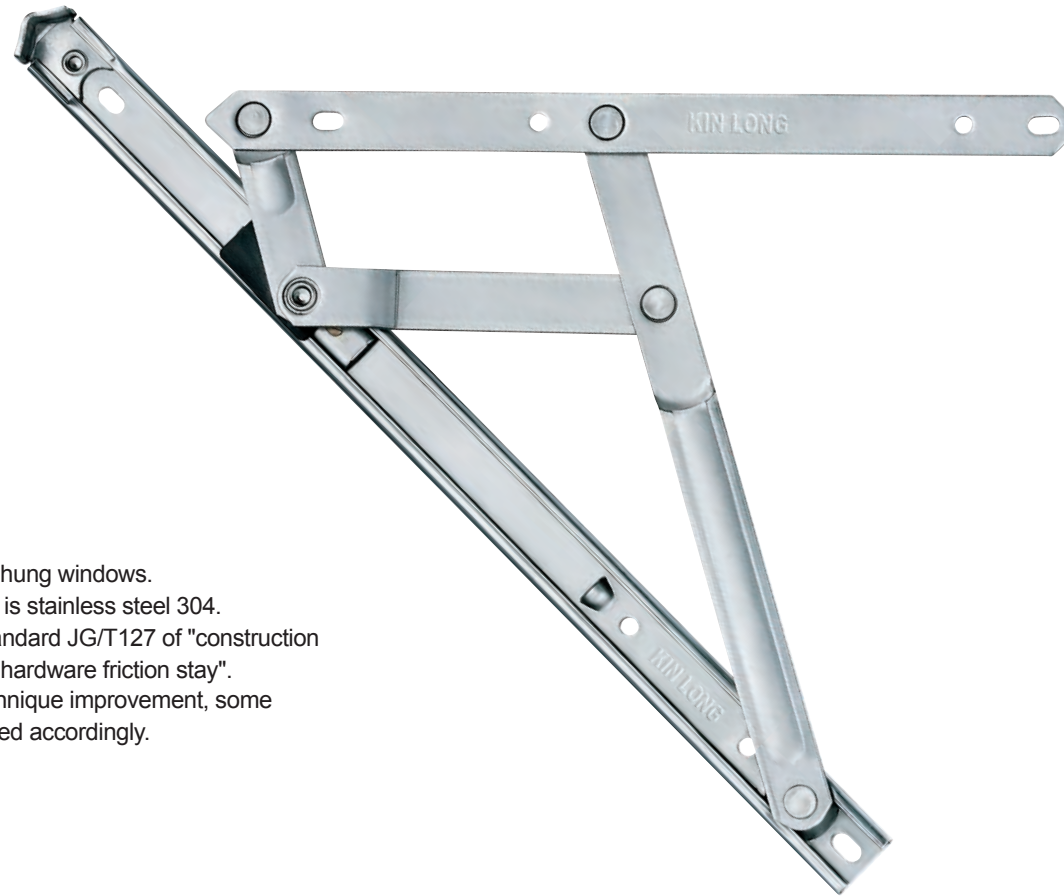


- ◆ Applicable to side-hung windows.
- ◆ After opening, the window can realize horizontal movement function.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

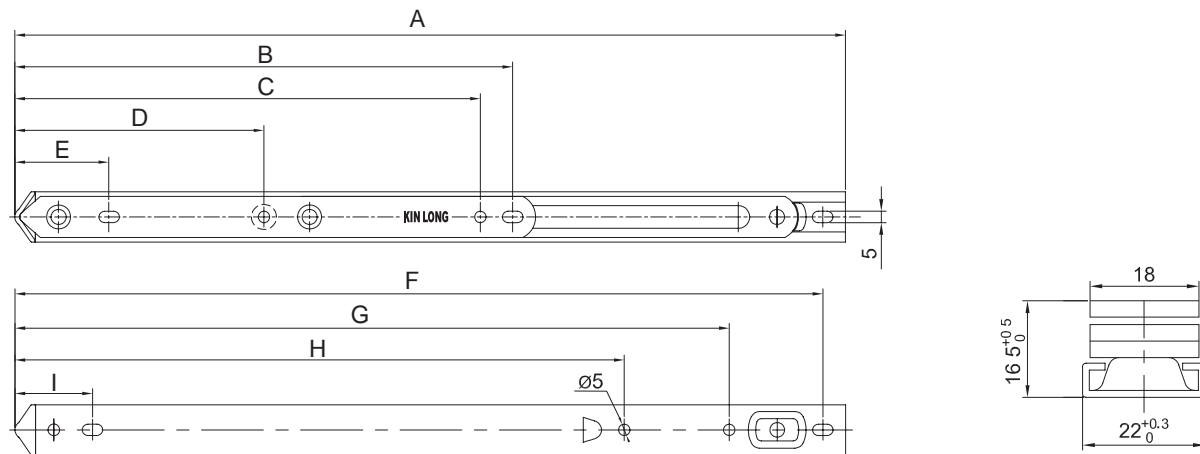


Installation Dimension: Unit(mm)											Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC300A-16"	438	241	152	109	82	40	431	419	42	30	1600	600	24	90°
HC300A-18"	483	259	169	126	83	40	476	464	42	30	1700	700	29	90°

4. HC320 Series

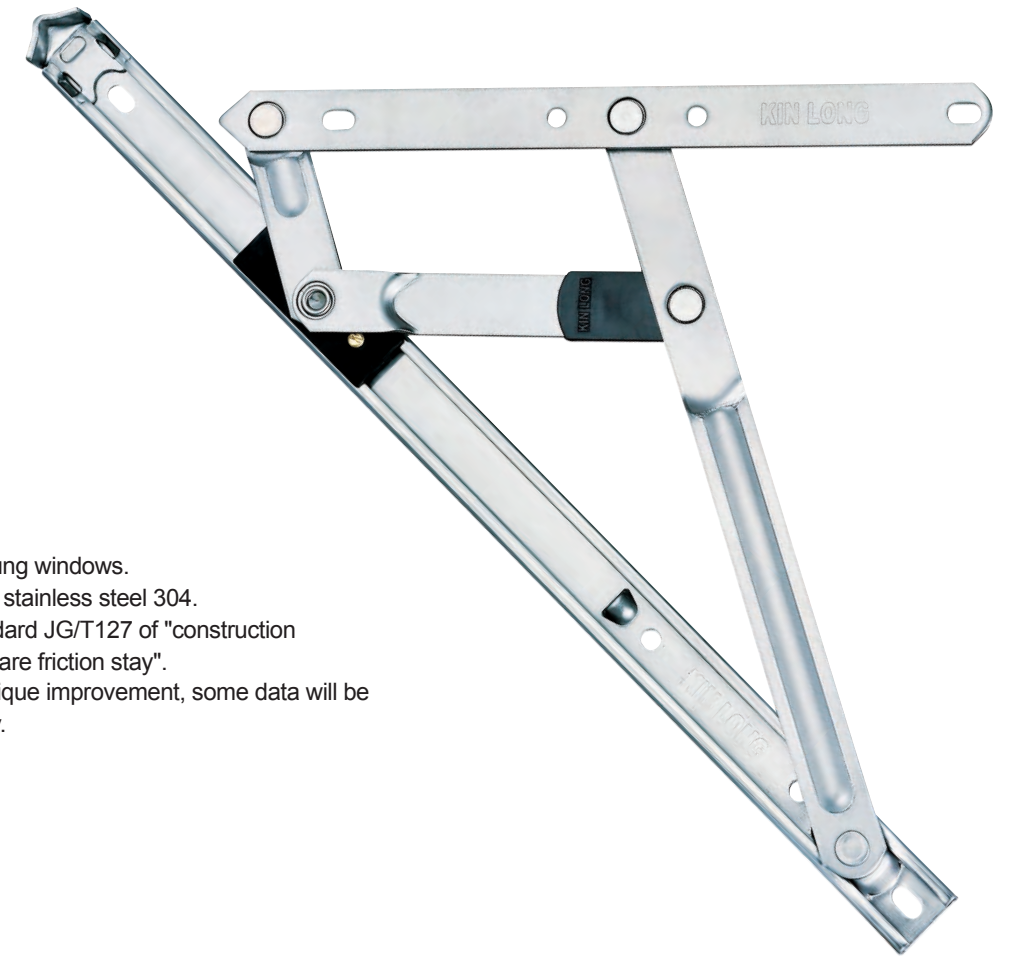


- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door s& window s hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

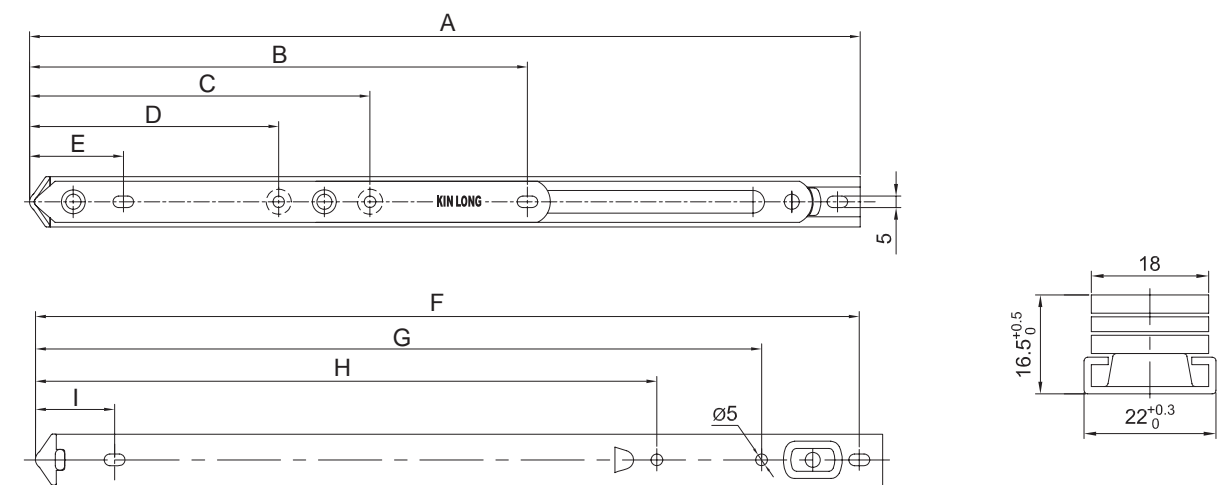


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC320-10"	274	188	171	72	37	266	--	203	32	1500	500	23	90°
HC320-12"	312	199	189	87	38	305	265	232	32	1500	600	28	90°
HC320-14"	350	248	225	101	39	343	302	253	32	1500	700	31	90°
HC320-16"	413	240	228	104	38	406	365	235	32	1500	750	36	90°
HC320-18"	458	267	256	126	40	447	405	312	32	1500	800	38	90°

5. HC350 Series



- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

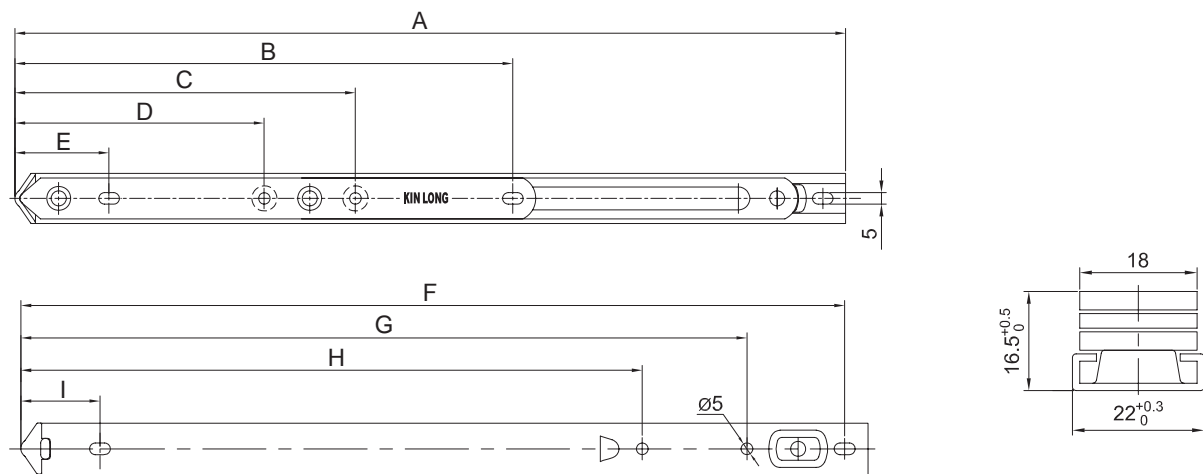


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC350-12"	316	200	128	86	37	308	266	241	30	1400	500	23	90°
HC350-14"	363	215	140	100	37	353	311	252	30	1500	600	27	90°
HC350-16"	410	216	141	103	37	401	351	242	30	1600	650	30	90°

6. HC360 Series



- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

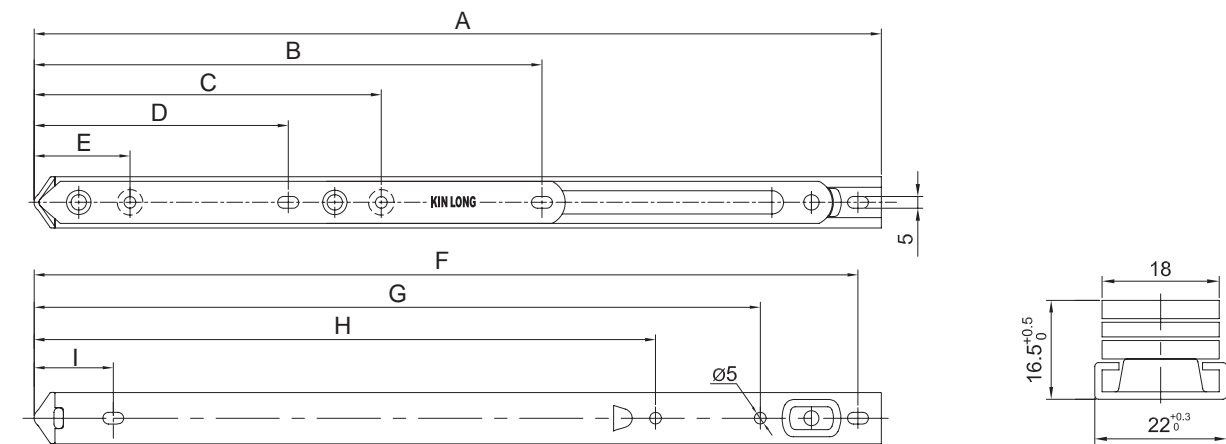


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC360-12"	316	200	128	86	37	308	266	241	30	1400	500	23	90°
HC360-14"	363	215	140	100	37	353	311	252	30	1500	600	27	90°
HC360-16"	410	216	141	103	37	401	351	242	30	1600	650	30	90°

7. HC400A Series



- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

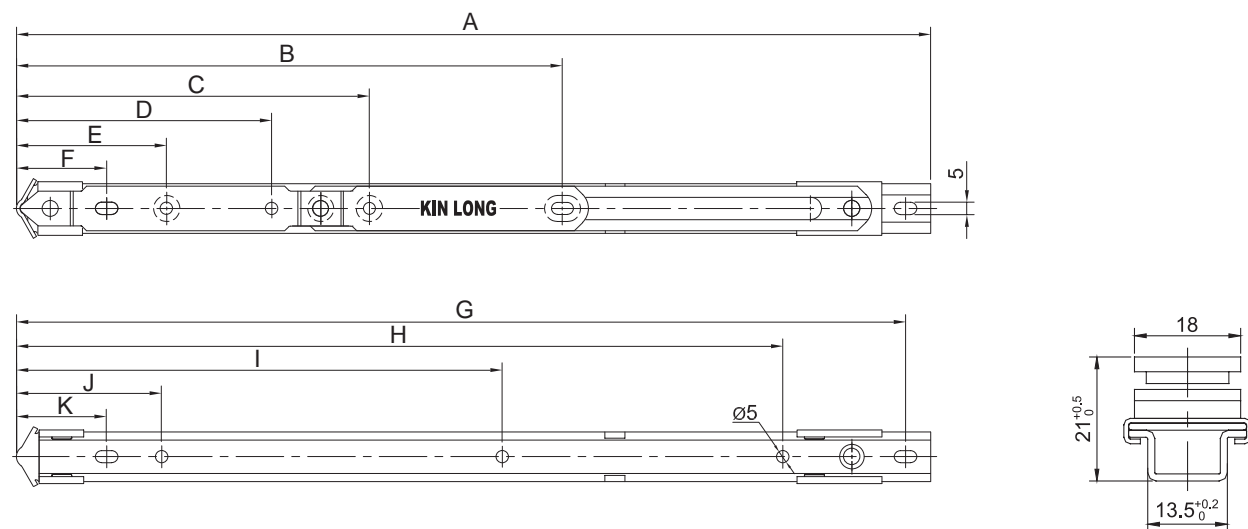


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC400A-10"	268	182	115	71	36	260	219	--	28	1400	400	25	90°
HC400A-12"	313	202	126	82	36	305	263	237	30	1500	500	30	90°
HC400A-14"	365	222	148	104	36	357	315	269	30	1600	600	33	90°
HC400A-16"	416	243	170	126	36	409	367	301	30	1700	700	38	90°

8. HCC40A Series



- ◆ Applicable to side-hung windows with european standard C-groove.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

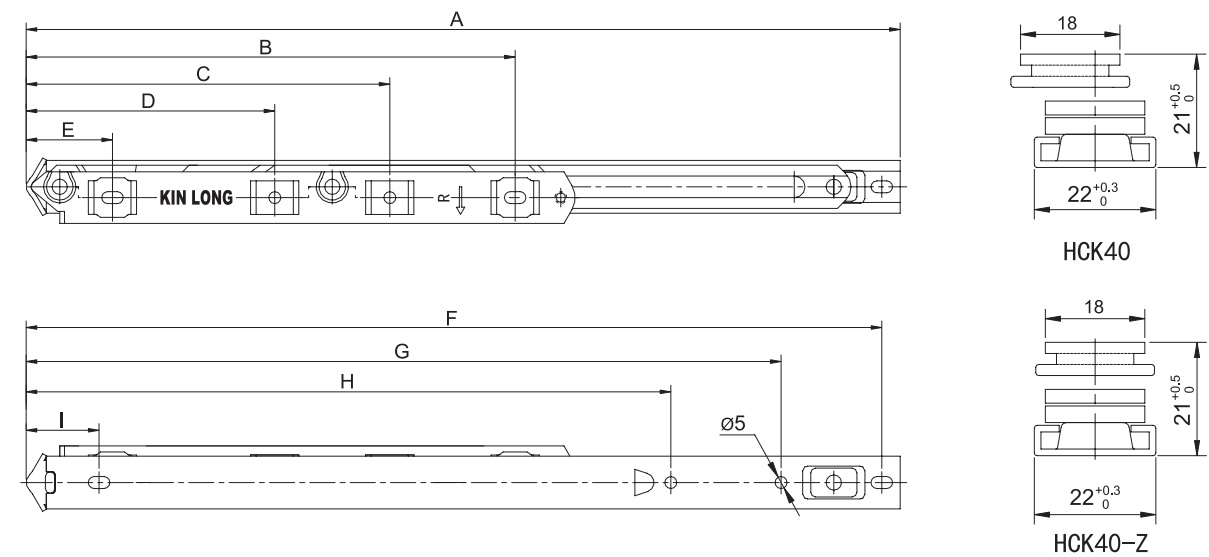


Installation Dimension Unit(mm)												Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	K	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HCC40A-12"	313	199	123	84	60	36	303	254	174	58	36	1500	500	30	90°
HCC40A-14"	365	218	141	102	60	36	355	306	194	58	36	1600	600	34	90°
HCC40A-16"	416	240	163	124	60	36	406	357	210	58	36	1700	700	39	90°

9. HCK40 Series(Left & Right)



- ◆ Suitable for profile with K-groove side-hung windows.
- ◆ Main material: SS 304.
- ◆ Meet the standard of china "construction door & window hardware friction stay" JG/T127.
- ◆ Along with the technique improvement, some data will be changed accordingly.



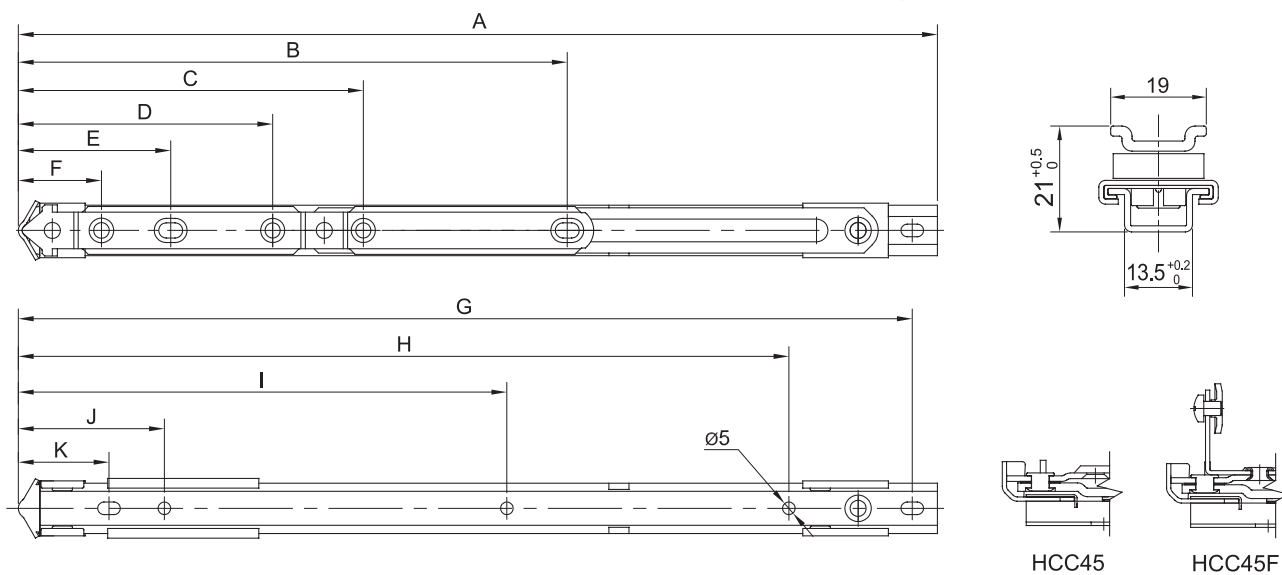
Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HCK40-12"	313	186	130	82	36	305	263	237	30	1500	500	30	90°
HCK40-14"	365	204	152	104	36	357	315	269	30	1600	600	33	90°
HCK40-16"	416	227	174	126	36	409	367	301	30	1700	700	38	90°

★ HCK40-Z series friction stay is suitable for single C-groove profile casement window, no need to distinguish left or right.

10. HCC45 Series

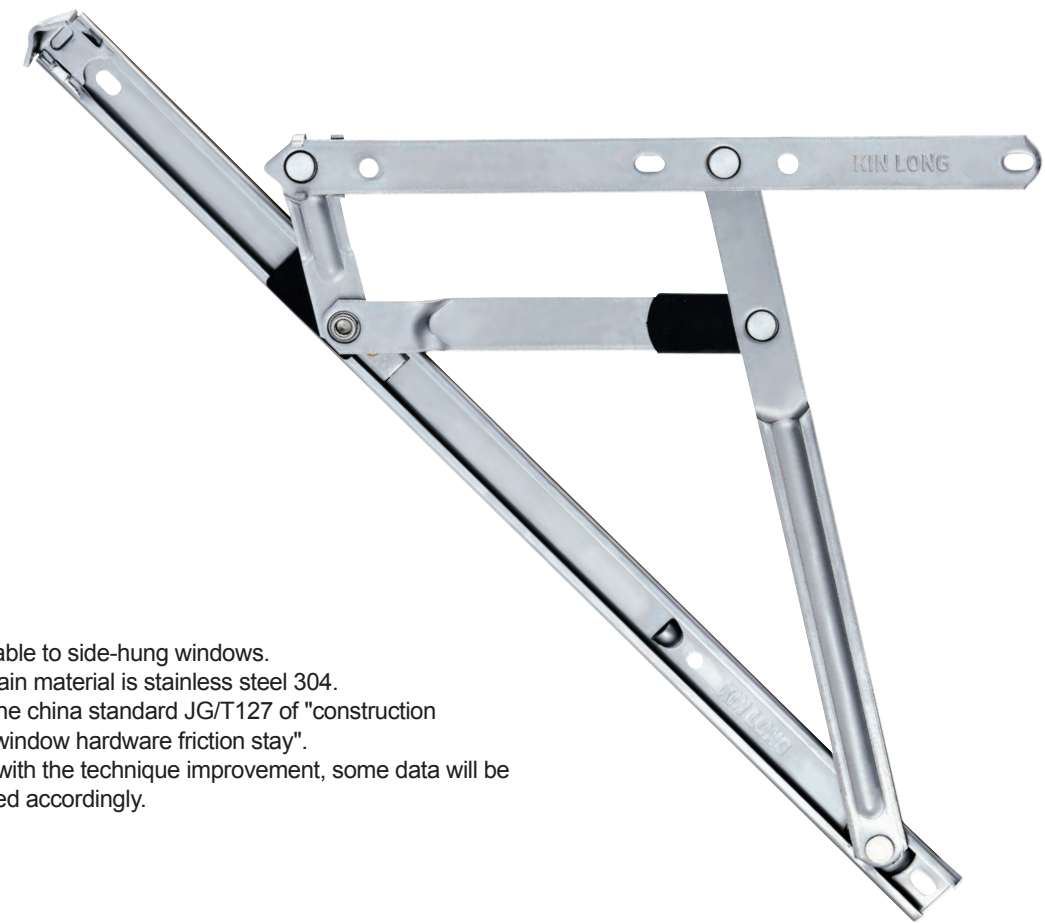


- ◆ Applicable to side-hung windows with european standard C-groove.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction doors & windows hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

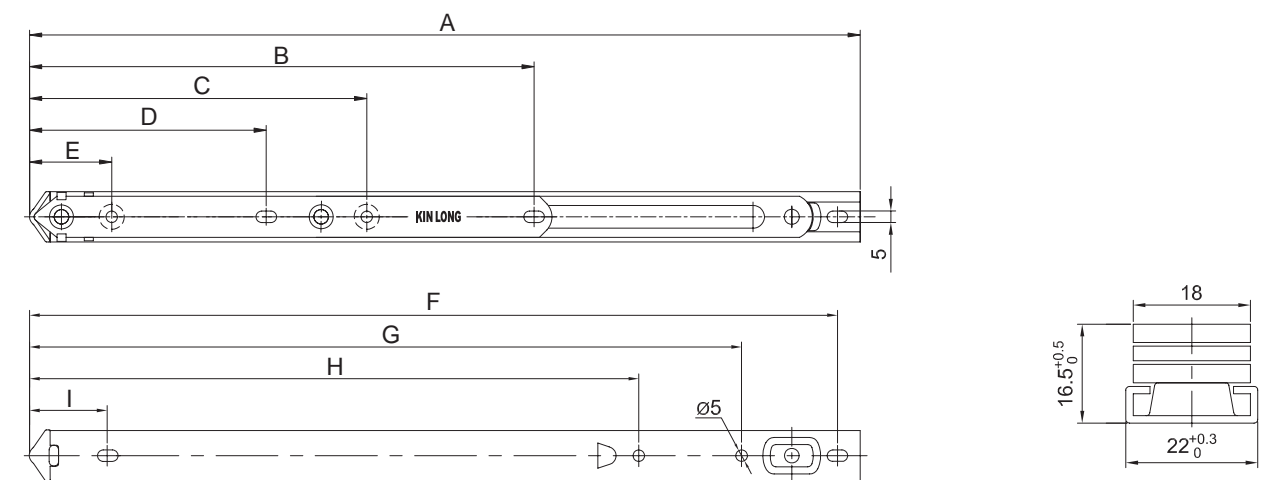


Installation Dimension Unit(mm)												Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	K	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HCC45-12"	313	199	119	83	/	33	303	254	174	58	36	1500	500	30	90°
HCC45-14"	365	218	137	101	61	33	355	306	194	58	36	1600	600	34	90°
HCC45-16"	416	240	159	123	61	33	406	357	210	58	36	1700	700	39	90°

11. HC411 Series

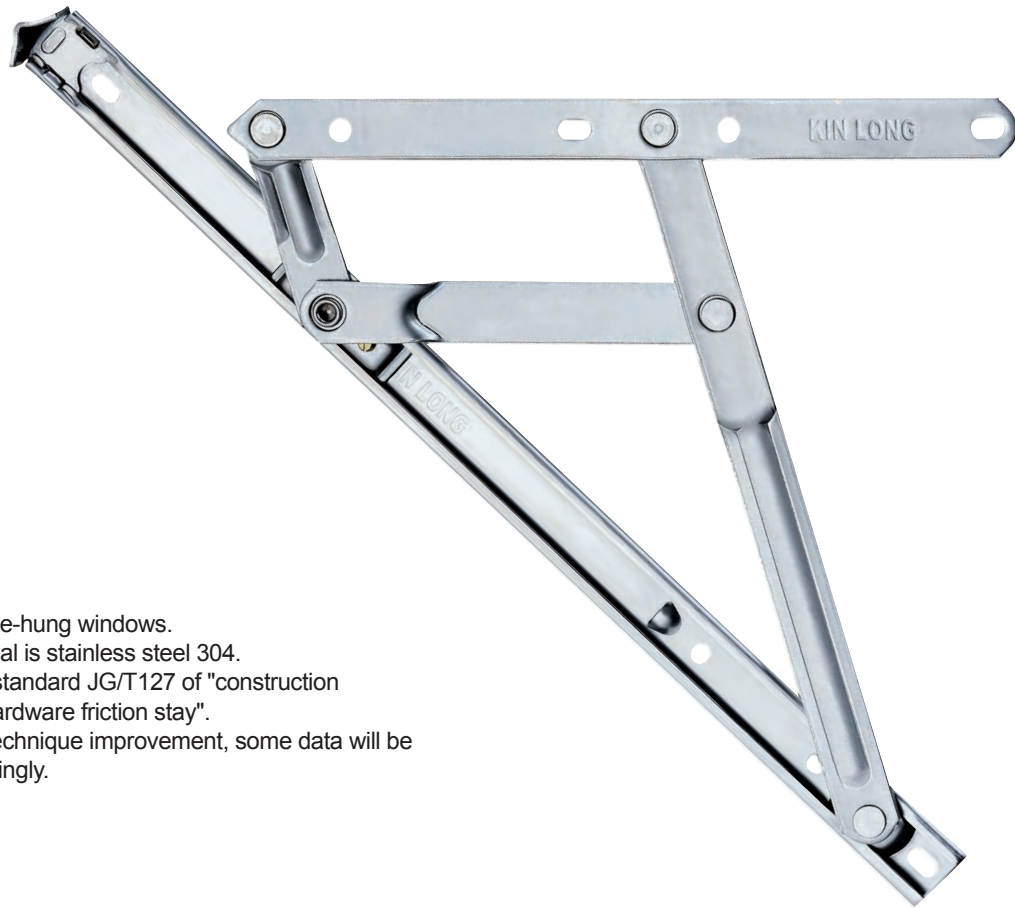


- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

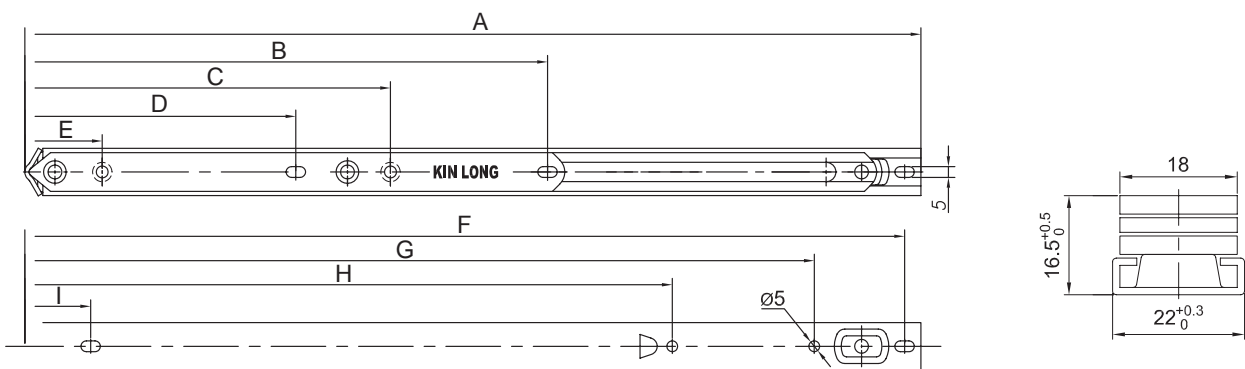


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC411-12"	313	202	126	82	36	305	263	237	30	1500	500	30	90°
HC411-14"	365	222	148	104	36	357	315	269	30	1600	600	33	90°
HC411-16"	416	243	170	126	36	409	367	301	30	1700	700	38	90°

12. HC420 Series



- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

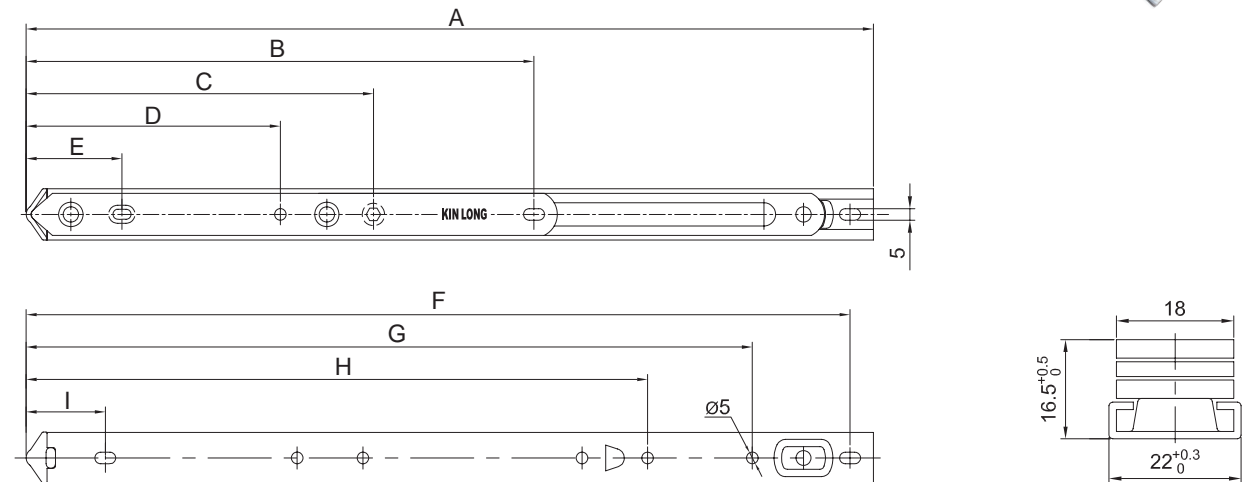


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC420-10"	268	182	115	71	36	260	219	--	28	1400	400	25	87°
HC420-12"	313	202	126	82	36	305	263	237	30	1500	500	30	87°
HC420-14"	365	222	148	104	36	357	315	269	30	1600	600	33	87°
HC420-16"	416	243	170	126	36	409	367	301	30	1700	700	38	87°

13. HC450 Series



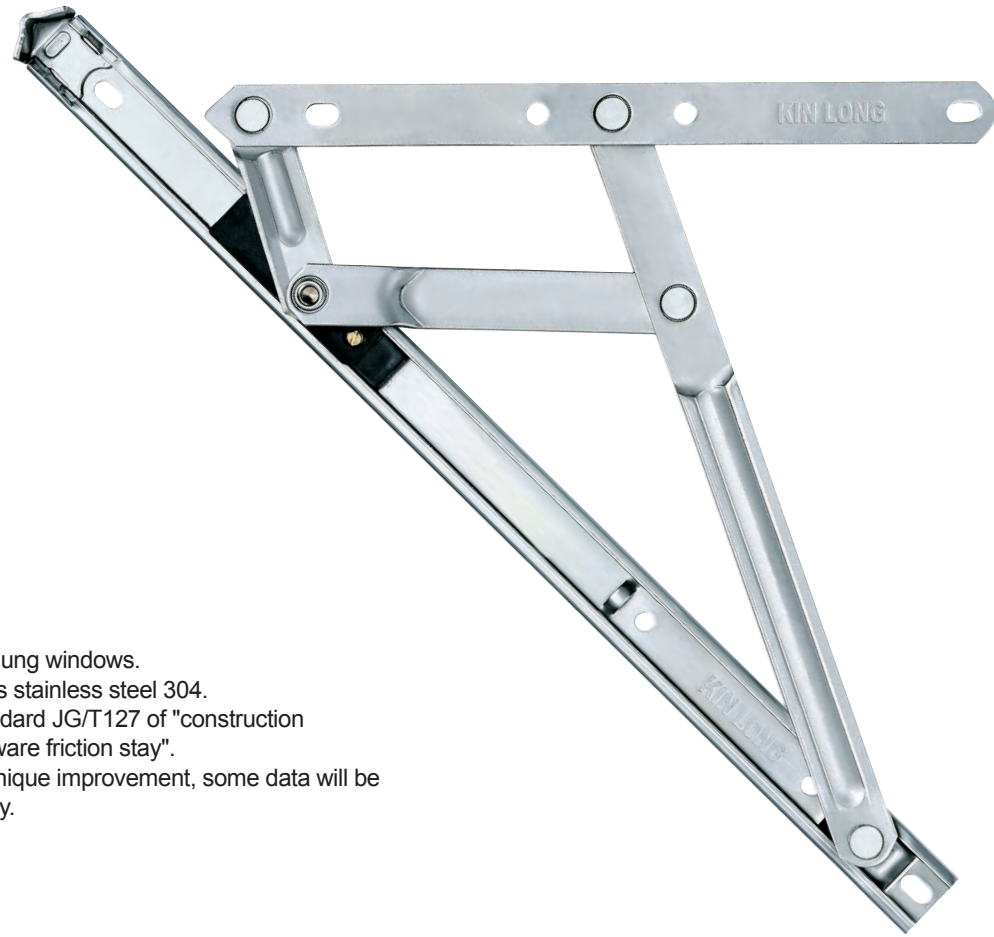
- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.



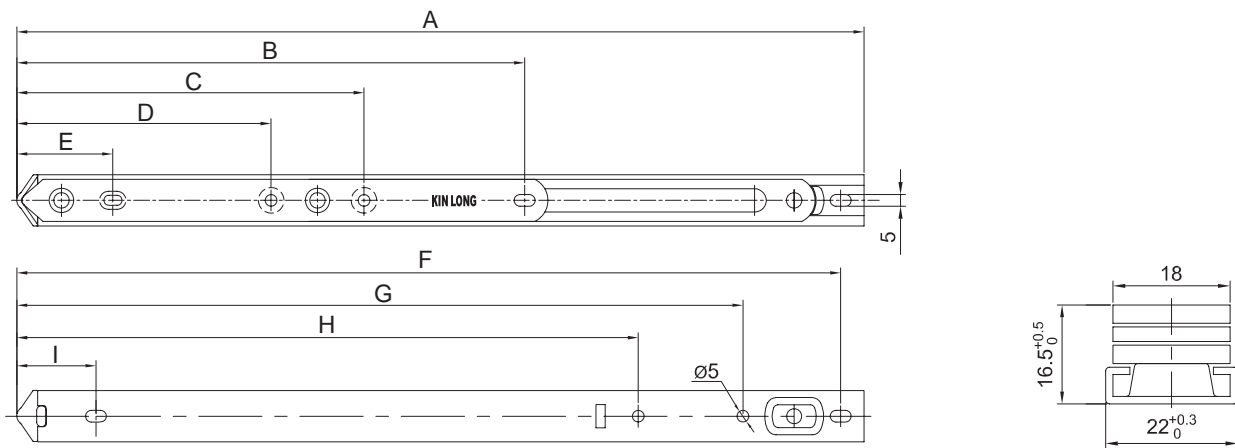
Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC450-16"	416	242	154	109	38	409	364	261	30	1700	700	39	30°/45°/90°
HC450-18"	466	267	194	145	38	455	413	332	30	1800	800	43	30°/45°/85°
HC450-22"	565	299	228	185	38	555	507	246	30	1800	1000	49	20°/30°/50°

★ When the door sash is beyond 650mm, please suggest only open the minnium opening angle.

14. HC510 Series

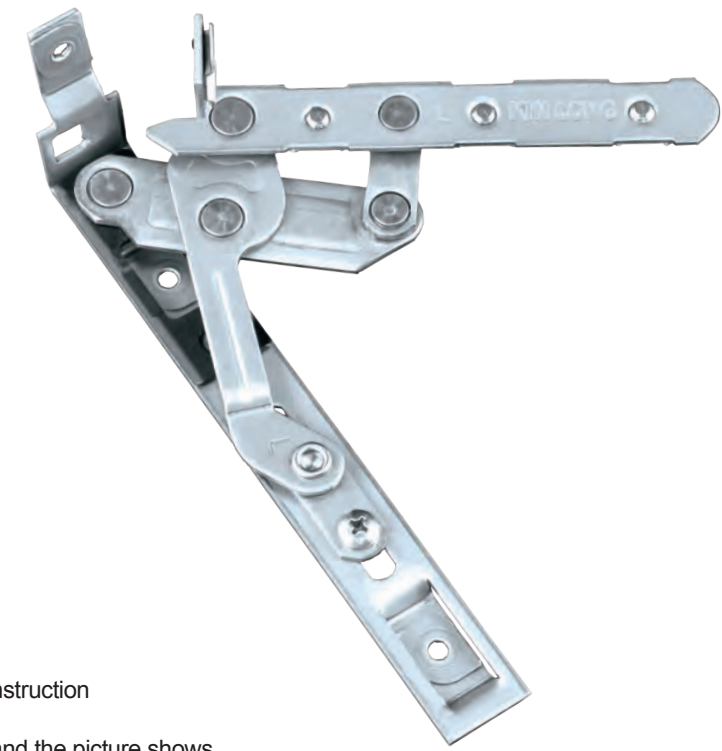


- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

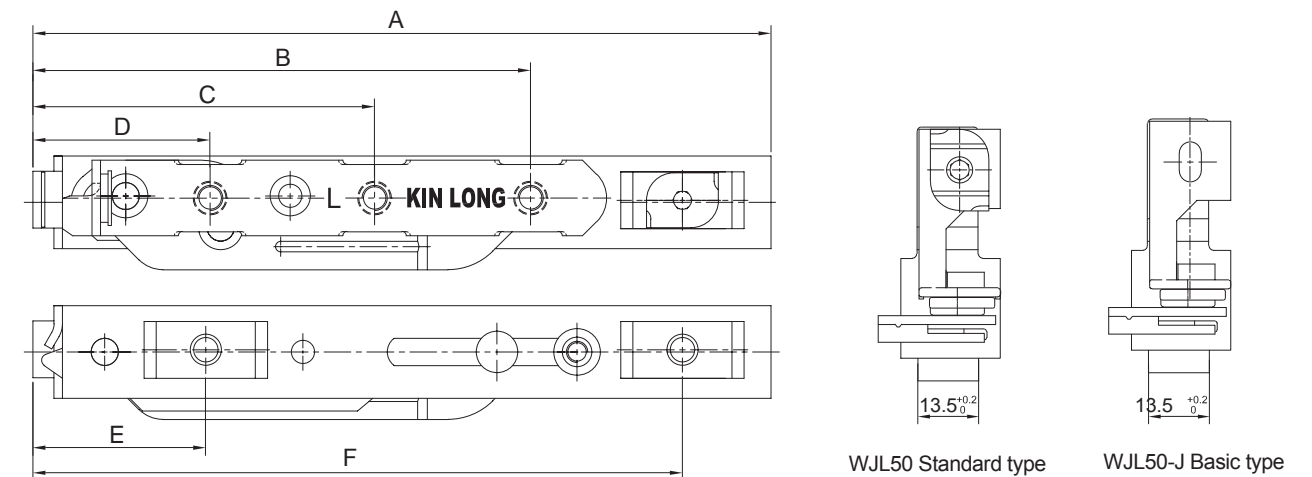


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC510-10"	268	180	115	73	36	260	219	207	28	1500	500	26	85°
HC510-12"	313	200	125	83	36	304	263	230	30	1550	600	30	90°
HC510-14"	365	219	140	98	36	356	315	249	30	1600	700	34	90°
HC510-16"	416	241	161	119	36	408	367	278	30	1700	800	39	90°

15. WJL50 Series (Left&Right)



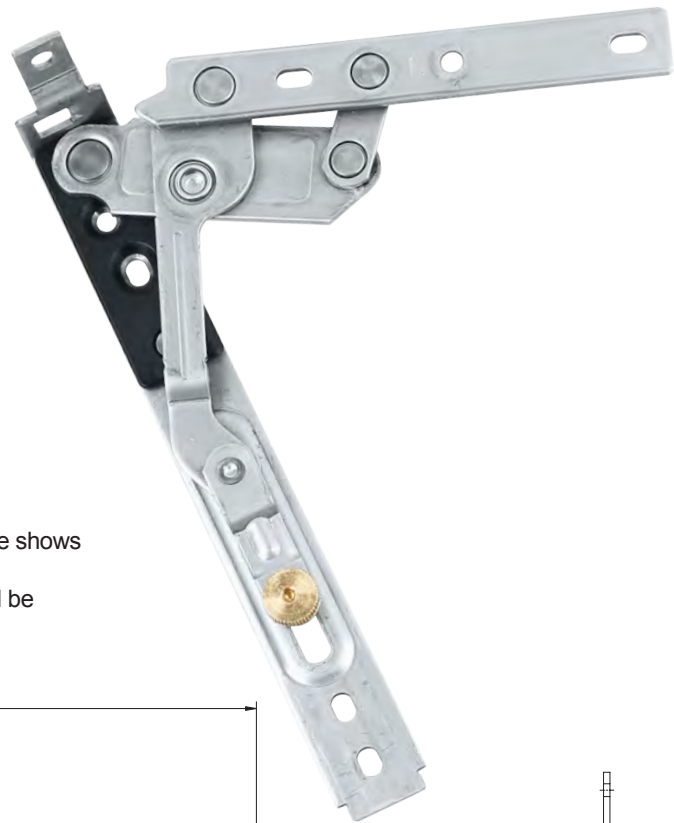
- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Different types have different structures and the picture shows product WJL50.
- ◆ Along with the technique improvement, some data will be changed accordingly.



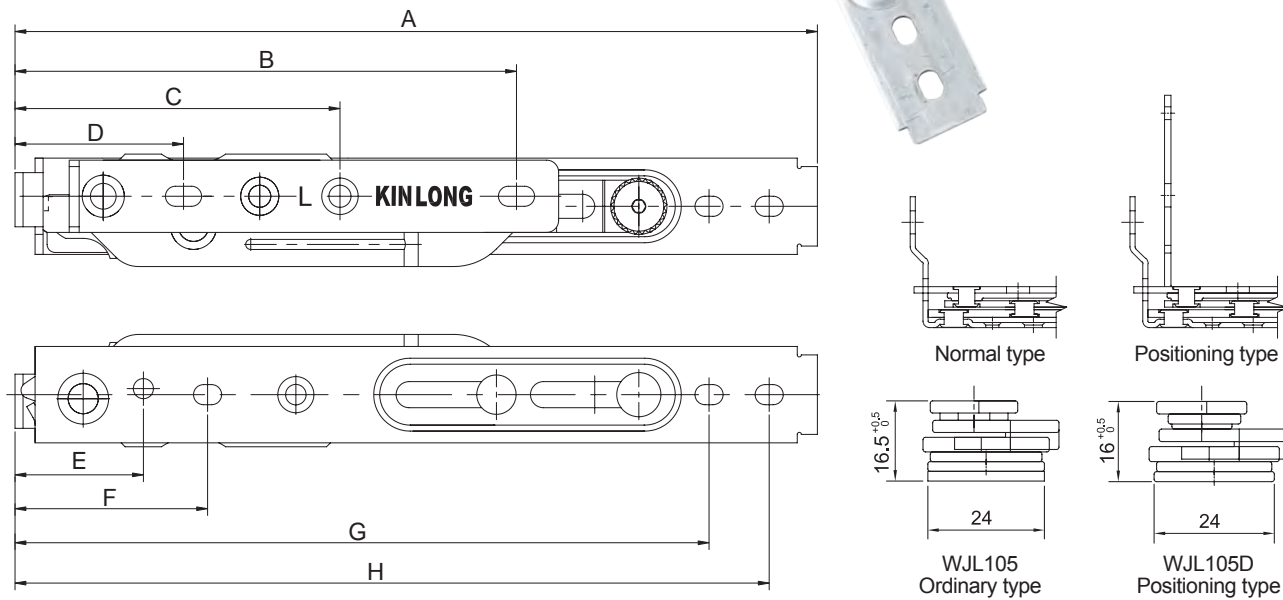
Installation Dimension Unit(mm)								Technical Parameter			
Code	Type	A	B	C	D	E	F	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
WJL50	Standard type	175	--	--	--	41	154	1500	650	38	90°
WJL50-J	Basic type	175	125	81	42	41	154				

★ WJL50 series is the standard type hinge, WJL50-J is the basic type hinge.

16. WJL105 Series (Left&Right)



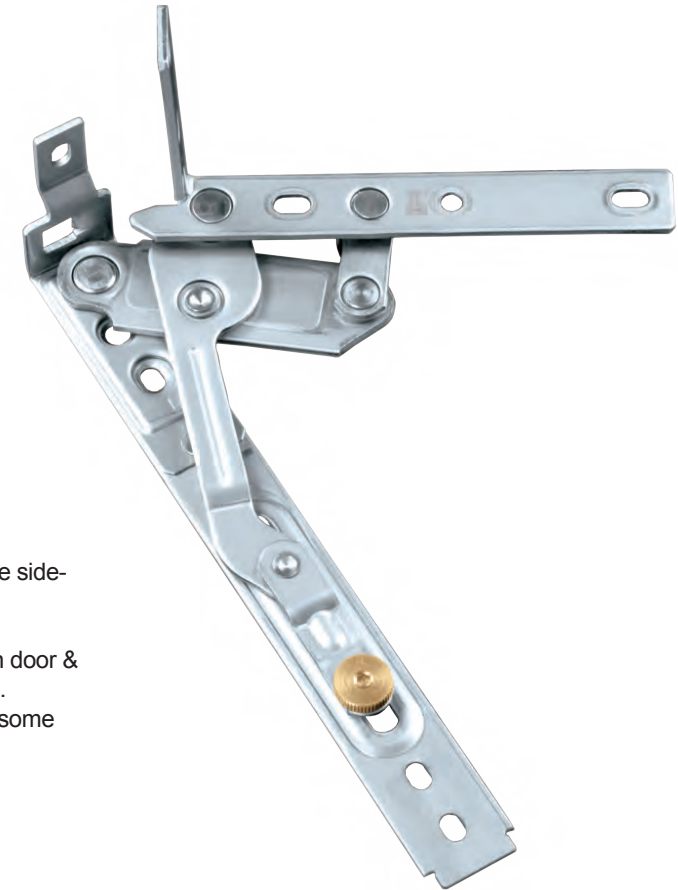
- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Different types have different structures and the picture shows product WJL105.
- ◆ Along with the technique improvement, some data will be changed accordingly.



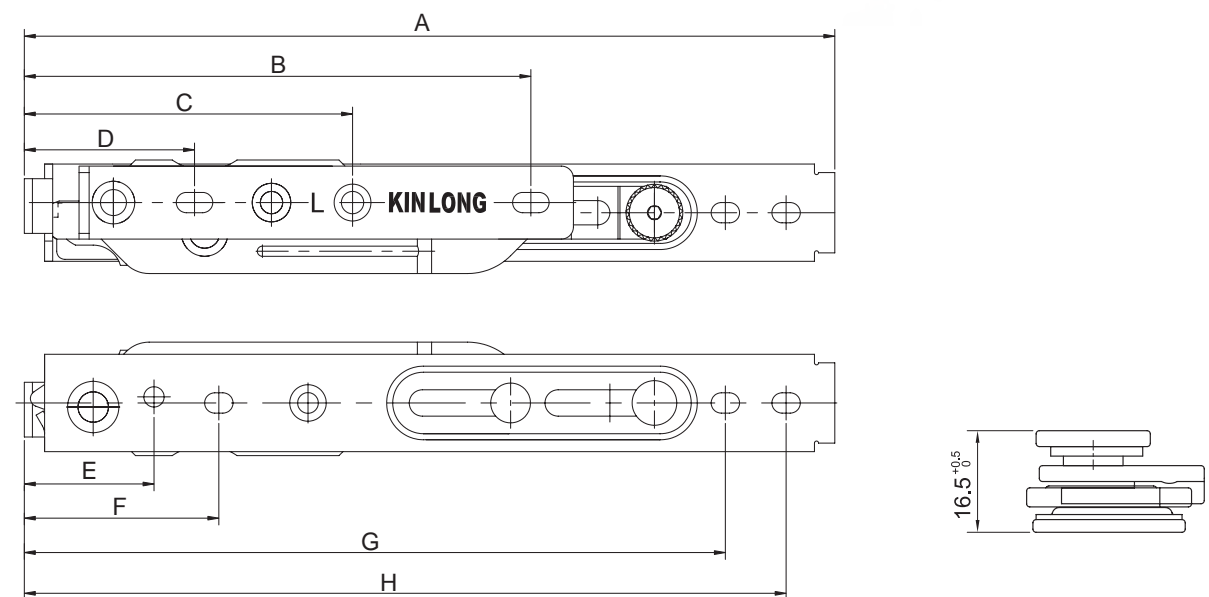
Installation Dimension Unit(mm)										Technical Parameter			
Code	Type	A	B	C	D	E	F	G	H	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
WJL105	Basic C-groove	200	125	81	42	32	48	173	188	1600	800	65	90°
WJL105L/I-S	Standard C-groove	200	125	81	42	--	--	--	--				
WJL105L/I-X	Standard C-groove	200	125	81	42	--	--	--	--				
WJL105R/I-S	Standard C-groove	200	125	81	42	--	--	--	--				
WJL105R/I-X	Standard C-groove	200	125	81	42	--	--	--	--				
WJL105/II	Without groove	200	125	81	42	32	48	173	188				

- ★ WJL105 Series Is Ordinary Type, WJL105D Series Is Positioning Type.
- ★ WJL105L/I-S Should Work With WJL105L/I-X; WJL105R/I-S Should Work With WJL105R/I-X.

17. WJN20 (Left&Right)



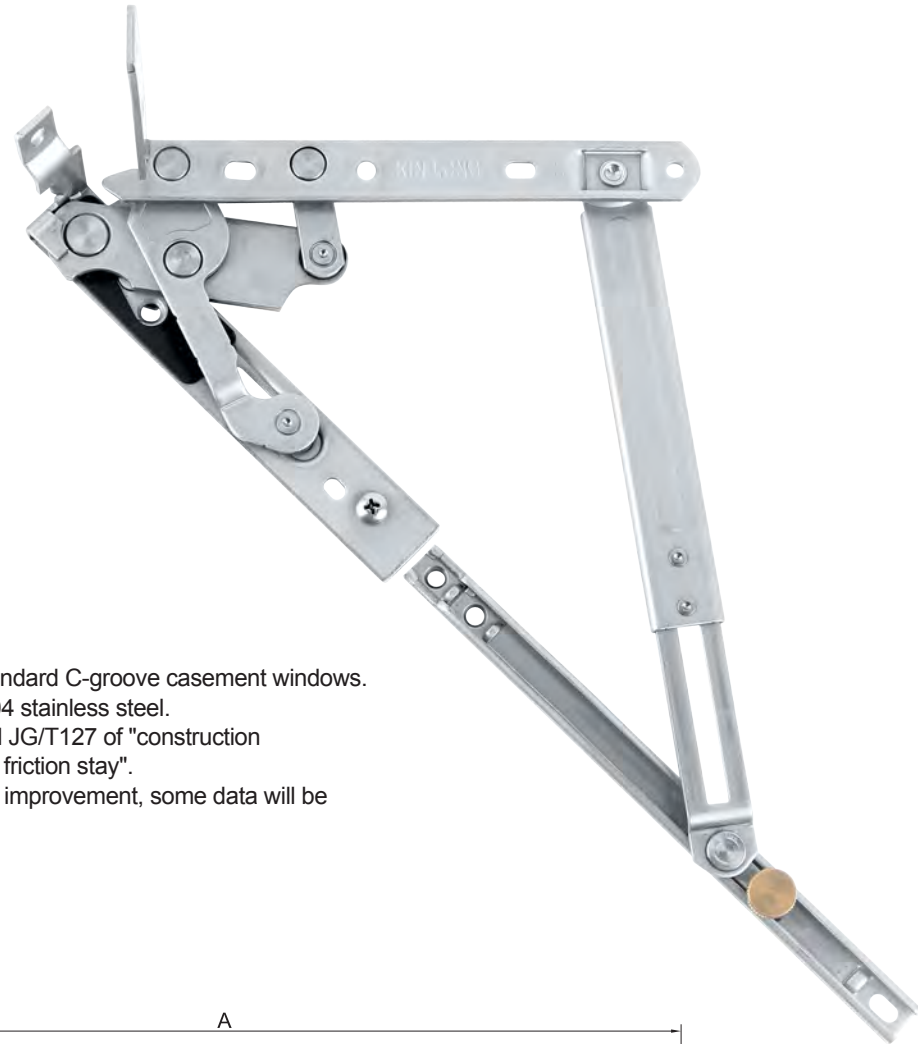
- ◆ Suitable for european standard C-groove side-hung windows.
- ◆ Main material: SS304.
- ◆ Meet the standard of china "construction door & window hardware friction stay" JG/T127.
- ◆ Along with the technique improvement, some data will be changed accordingly.



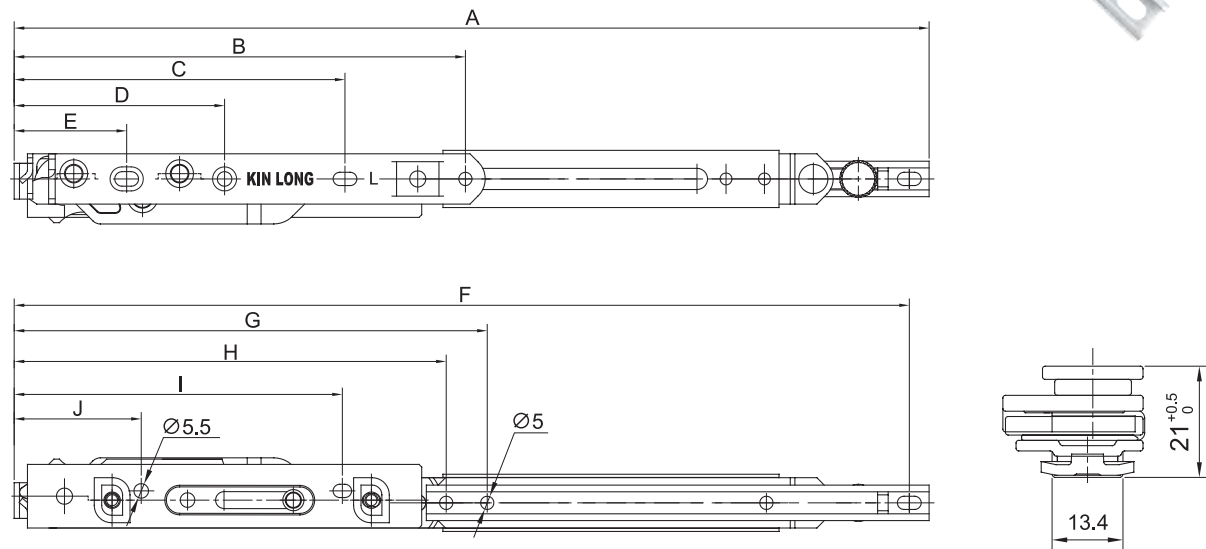
Installation Dimension Unit(mm)									Technical Parameter			
Code	A	B	C	D	E	F	G	H	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
WJN20	200	125	81	42	32	48	173	188	1550	750	60	90°

- ★ WJN20 Is Made Of Full-Metal Material.

18.WJ200 Open-out Hinges (Distinguish Left and Right Type)

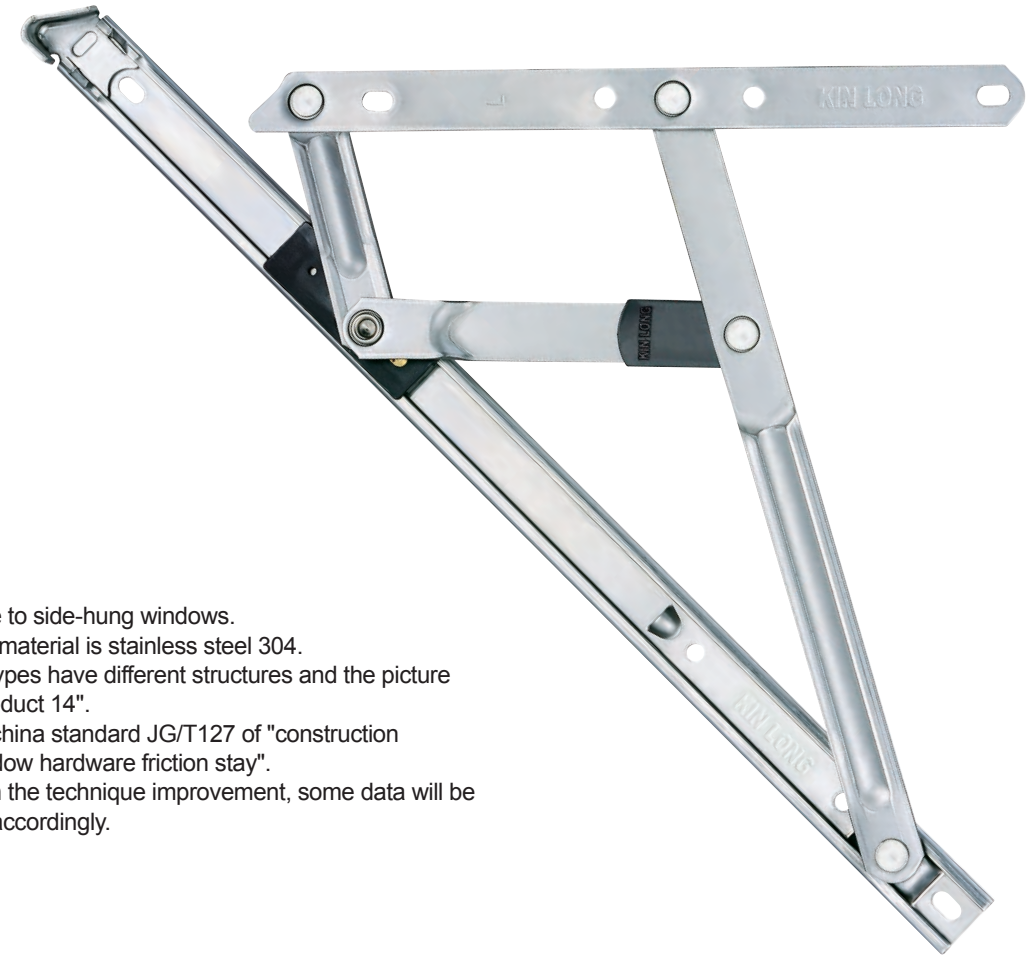


- ◆ Applied to european standard C-groove casement windows.
- ◆ The main material is: 304 stainless steel.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technical improvement, some data will be changed accordingly.

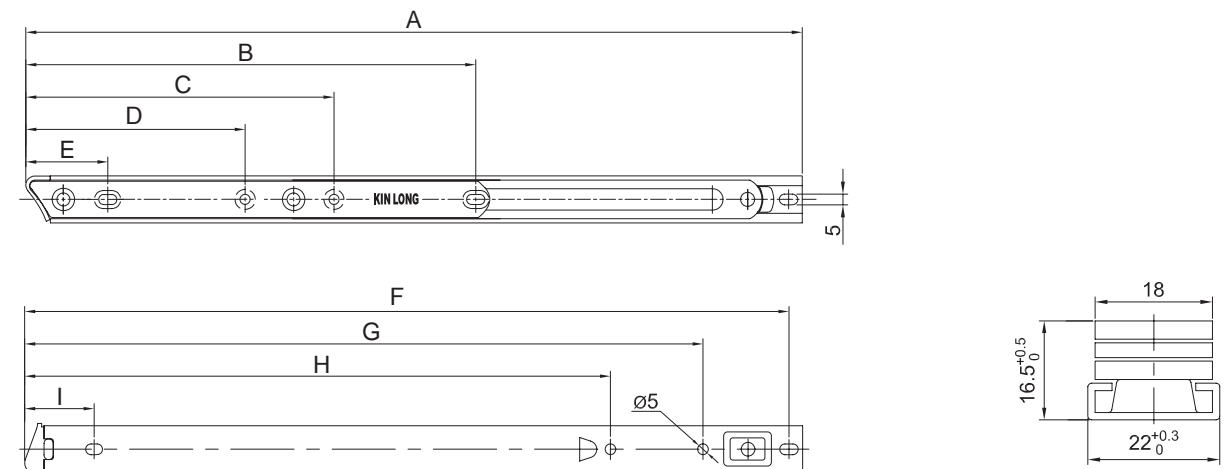


Installation Dimension Unit(mm)											Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
WJ200	344	171	125	80	43	337	177	162	124	48	1700	800	90	90°

19. HC700A Series (Left&Right)

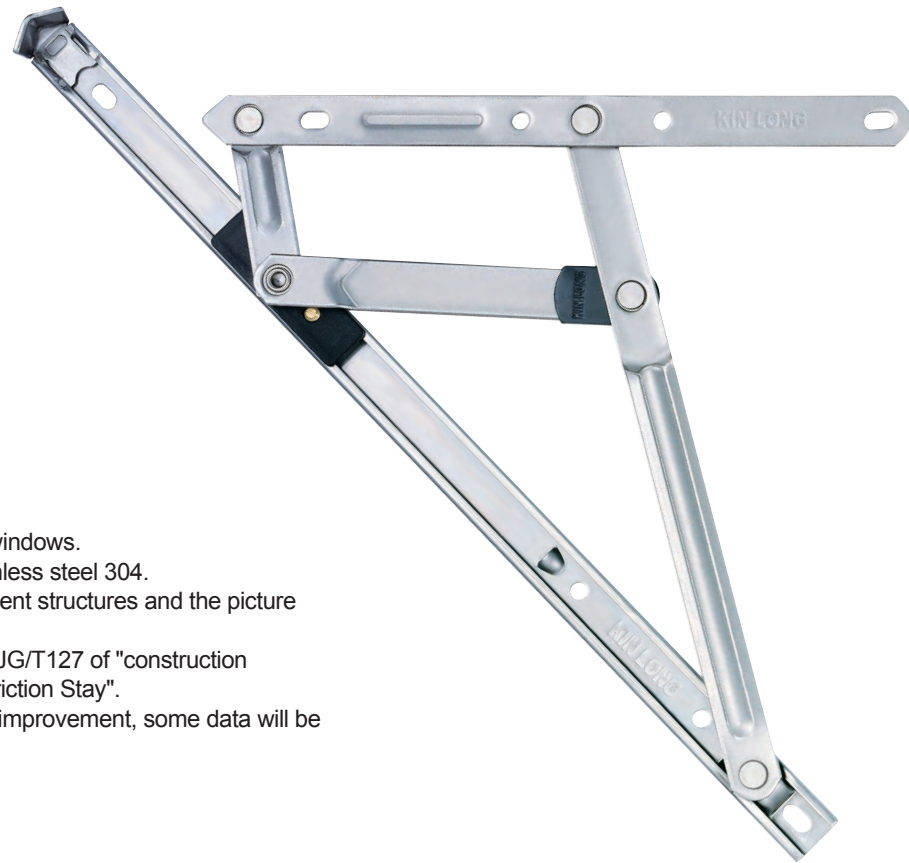


- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Different types have different structures and the picture shows product 14".
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

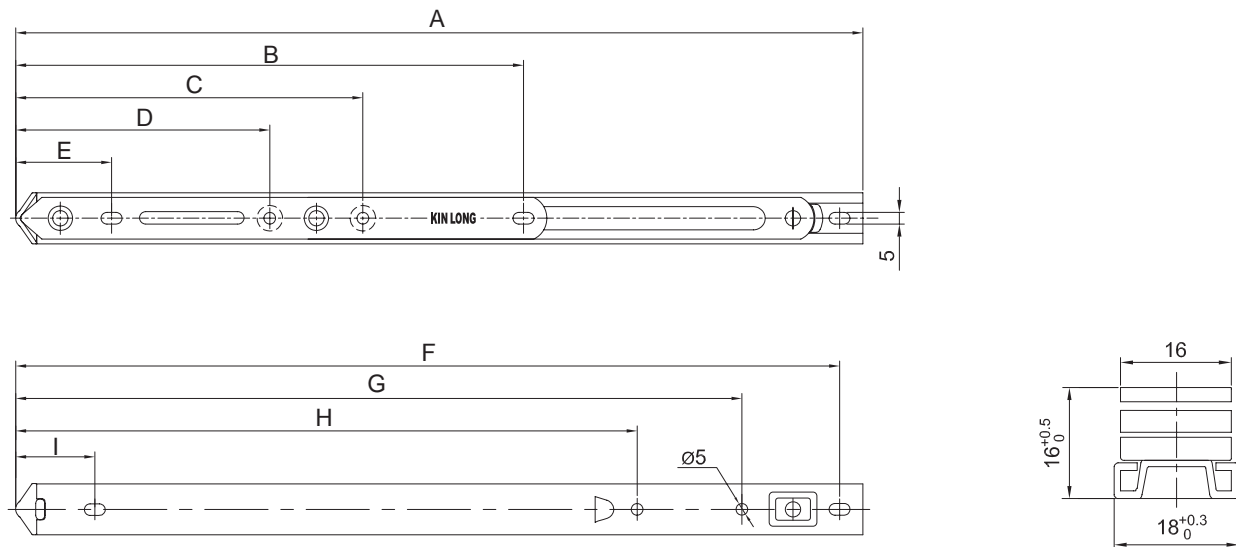


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC700A-12"	314	212	118	78	41	306	264	227	35	1500	500	18	87°
HC700A-14"	386	223	153	109	41	378	336	275	34	1600	600	22	90°
HC700A-16"	437	245	175	131	41	429	387	311	34	1700	700	27	90°

20. PHC10 Series



- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Different types have different structures and the picture shows product 14".
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction Stay".
- ◆ Along with the technique improvement, some data will be changed accordingly

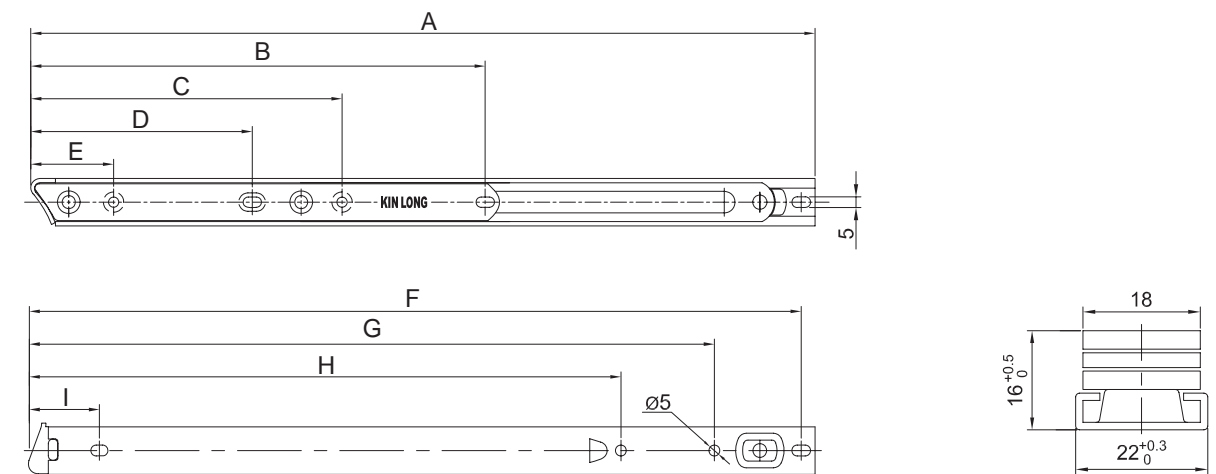


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
PHC10-12"	304	191	126	83	38	297	260	220	31	1300	500	17.5	87°
PHC10-14"	355	214	147	103	38	347	305	251	31	1400	600	21.5	87°
PHC10-16"	406	242	172	126	38	399	356	288	31	1500	650	25.5	87°

21. PHC0200 Series (Left&Right)

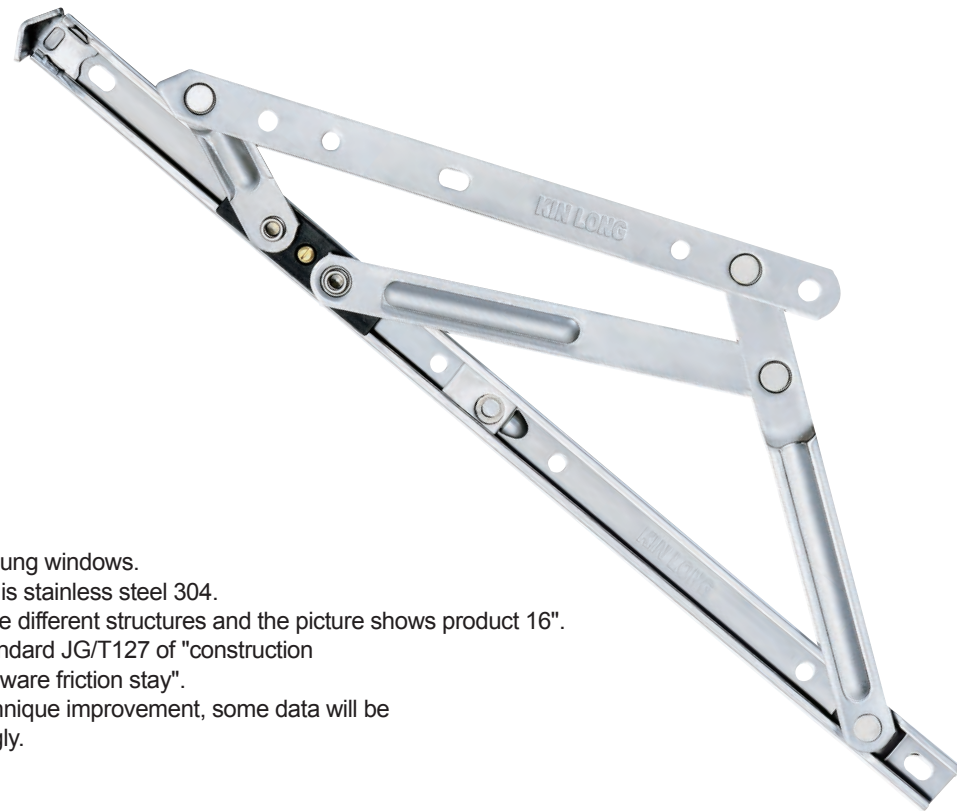


- ◆ Applicable to side-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

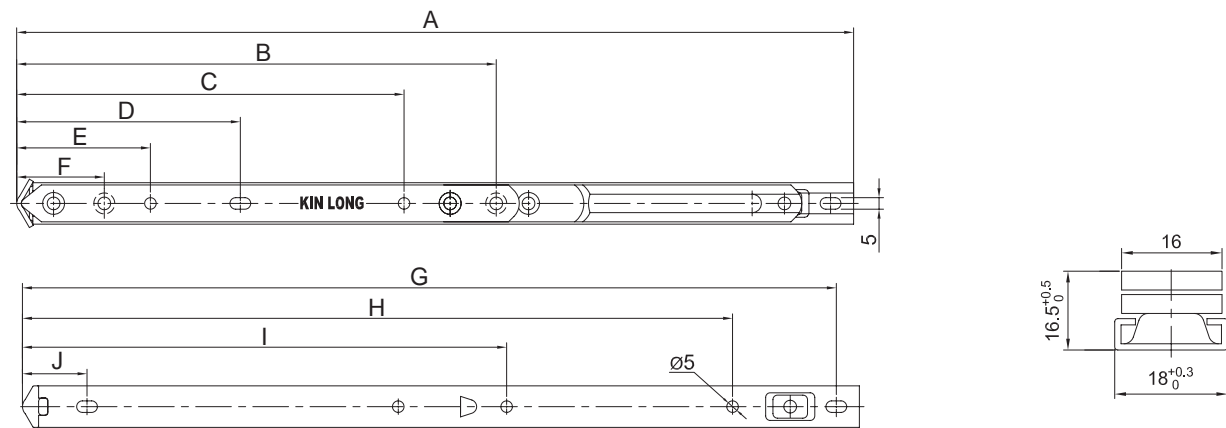


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
PHC020012"	322	213	133	91	40	313	271	224	35	1400	500	25	75°
PHC020014"	359	230	150	108	40	350	308	274	35	1500	600	28	87°
PHC020016"	409	252	172	130	40	400	358	308	35	1600	700	33	87°
PHC020018"	458	274	194	152	40	450	408	340	35	1700	750	38	87°

22. HC610 Series

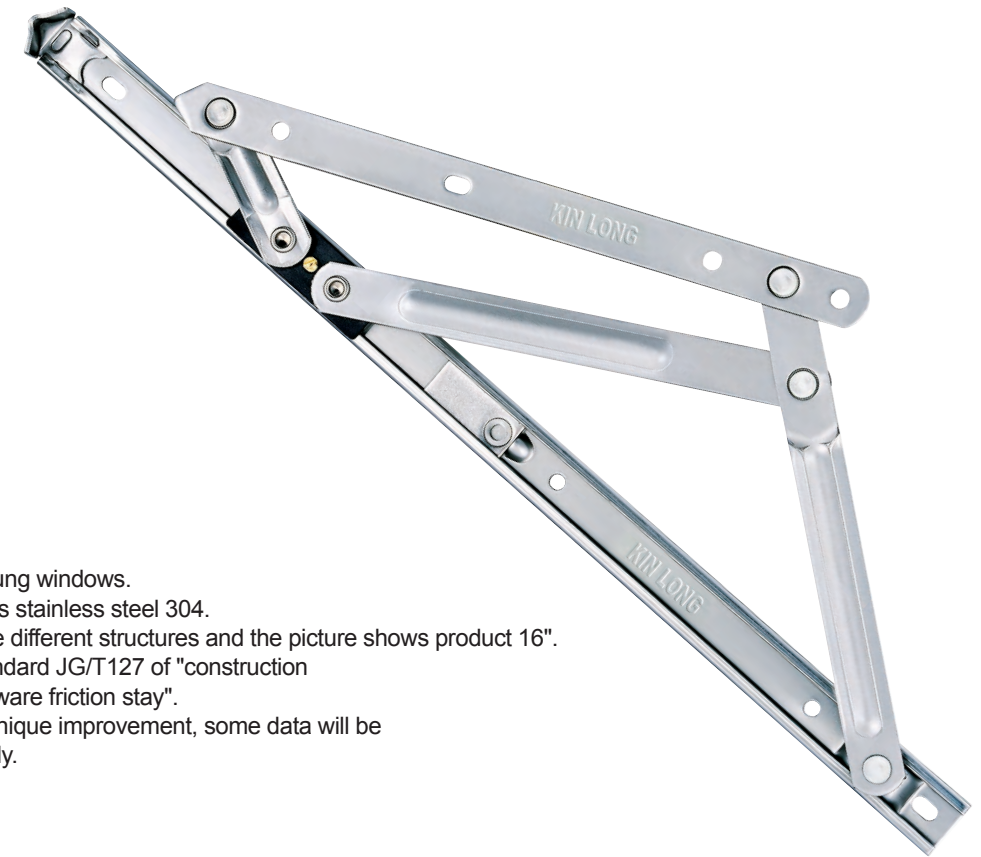


- ◆ Applicable to top-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Different types have different structures and the picture shows product 16".
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

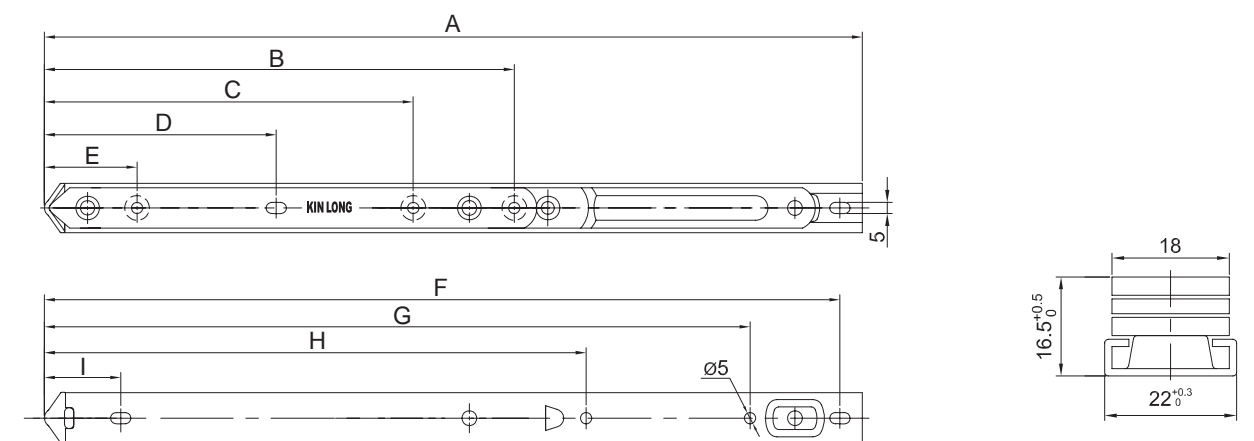


Installation Dimension Unit(mm)											Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC610-8"	212	116	--	74	--	38	201	--	162	28	550	1000	17	40°
HC610-10"	262	146	--	102	--	38	251	--	196	28	650	1050	23	40°
HC610-12"	312	177	137	80	58	38	302	257	177	28	750	1100	29	30°
HC610-14"	363	208	168	97	58	38	353	308	210	28	850	1150	34	25°/30°
HC610-16"	414	239	199	100	58	38	404	359	222	28	950	1200	39	25°/30°

23. FJ600A Series

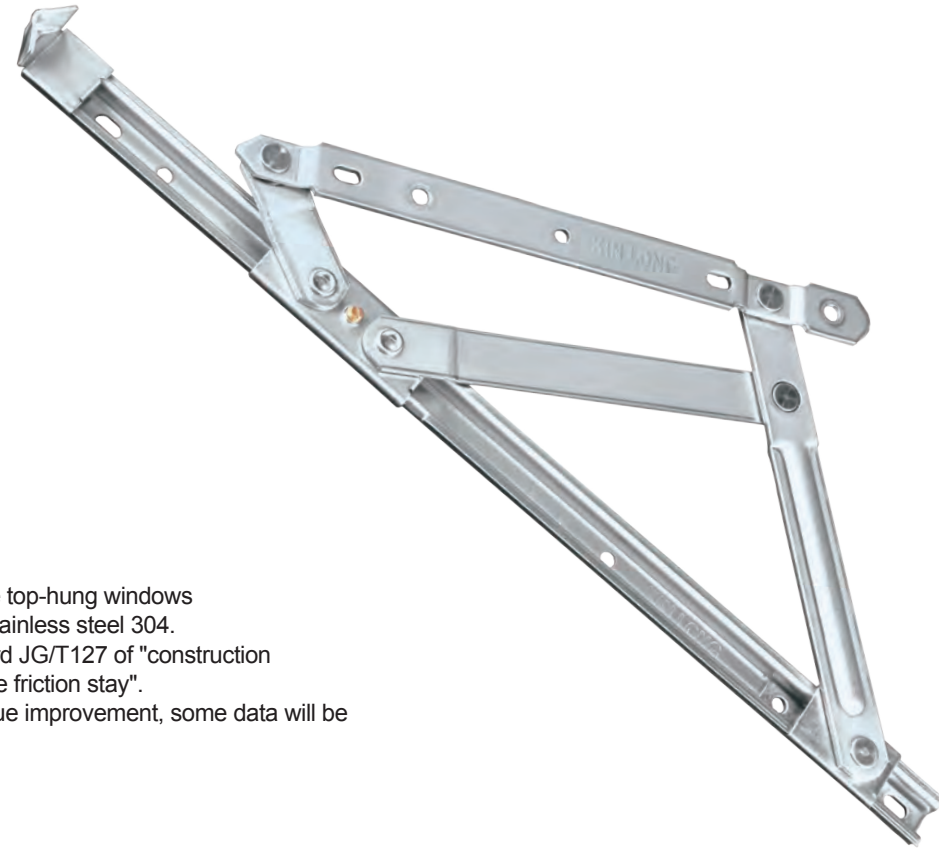


- ◆ Applicable to top-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Different types have different structures and the picture shows product 16".
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

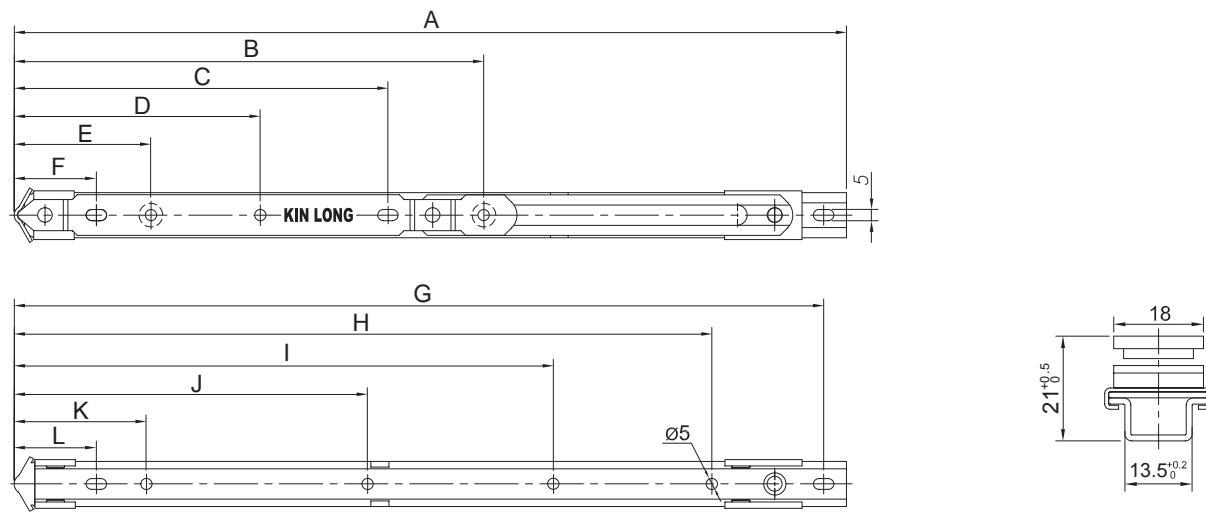


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
FJ600A-12"	314	179	134	79	41	304	264	200	34	800	1100	55	30°
FJ600A-14"	365	209	164	104	41	354	314	240	34	1000	1200	65	25°/30°
FJ600A-16"	415	240	195	104	41	405	355	240	34	1200	1300	80	25°/30°
FJ600A-18"	466	279	236	95	40	456	416	250	34	1400	1400	100	20°/25°

24. HCC60 Series

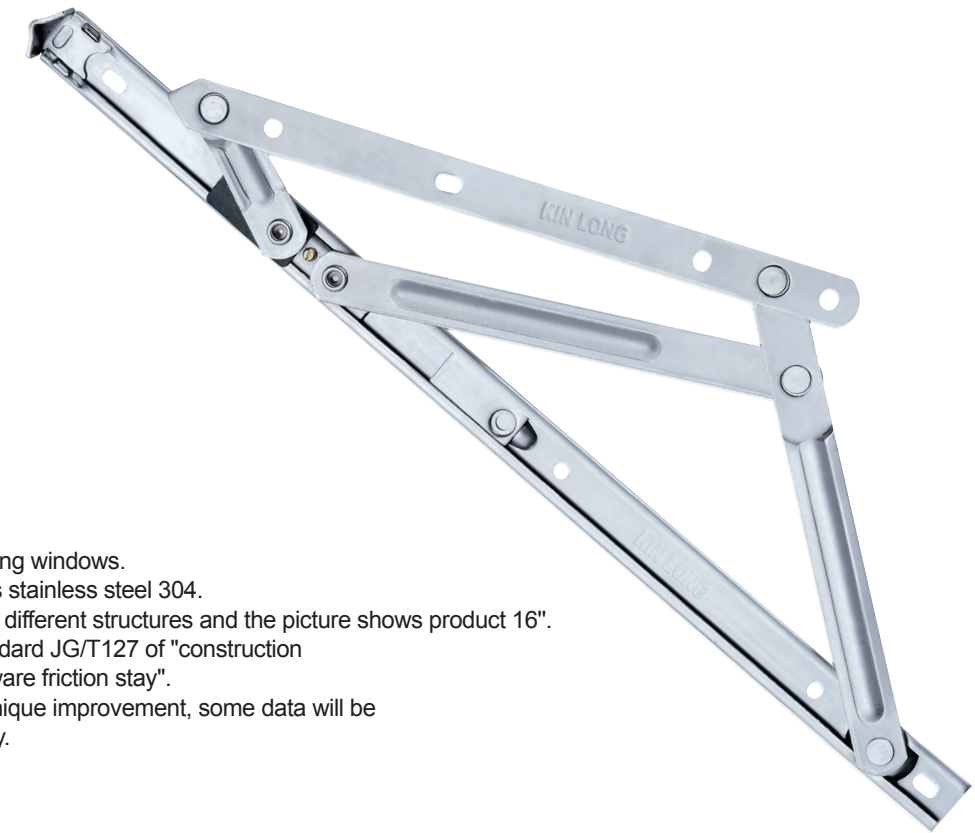


- ◆ Applicable to C-groove top-hung windows
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

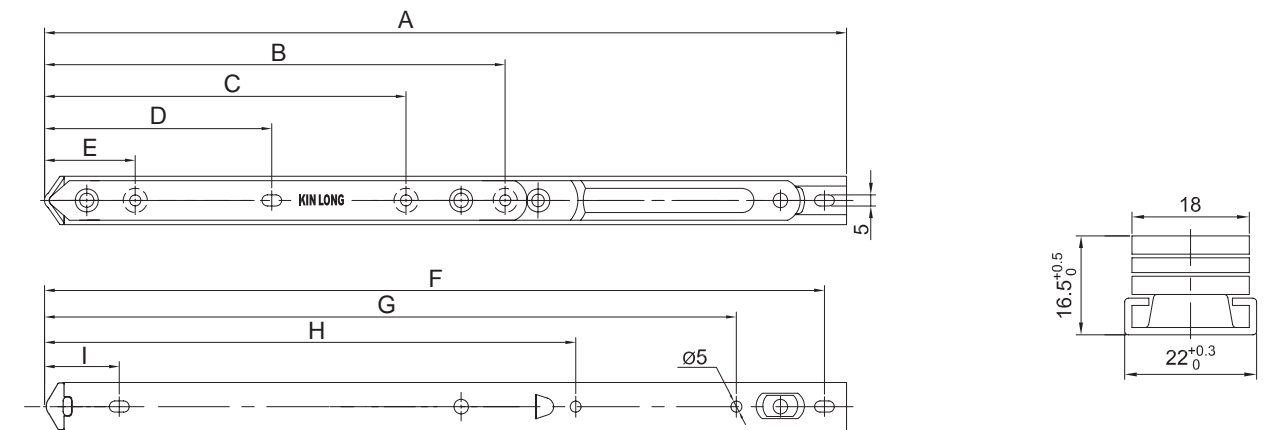


Installation Dimension Unit(mm)												Technical Parameter				
Code	A	B	C	D	E	F	G	H	I	J	K	L	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HCC60-12"	314	182	140	--	60	36	304	255	193	151	58	36	750	1100	40	30°
HCC60-14"	365	206	164	108	60	36	355	306	236	154	58	36	950	1150	50	30°
HCC60-16"	415	232	190	125	60	36	405	356	246	159	58	36	1150	1200	65	30°
HCC60-18"	466	260	218	95	60	36	456	407	255	145	58	36	1350	1200	75	25°

25. HC650 Series

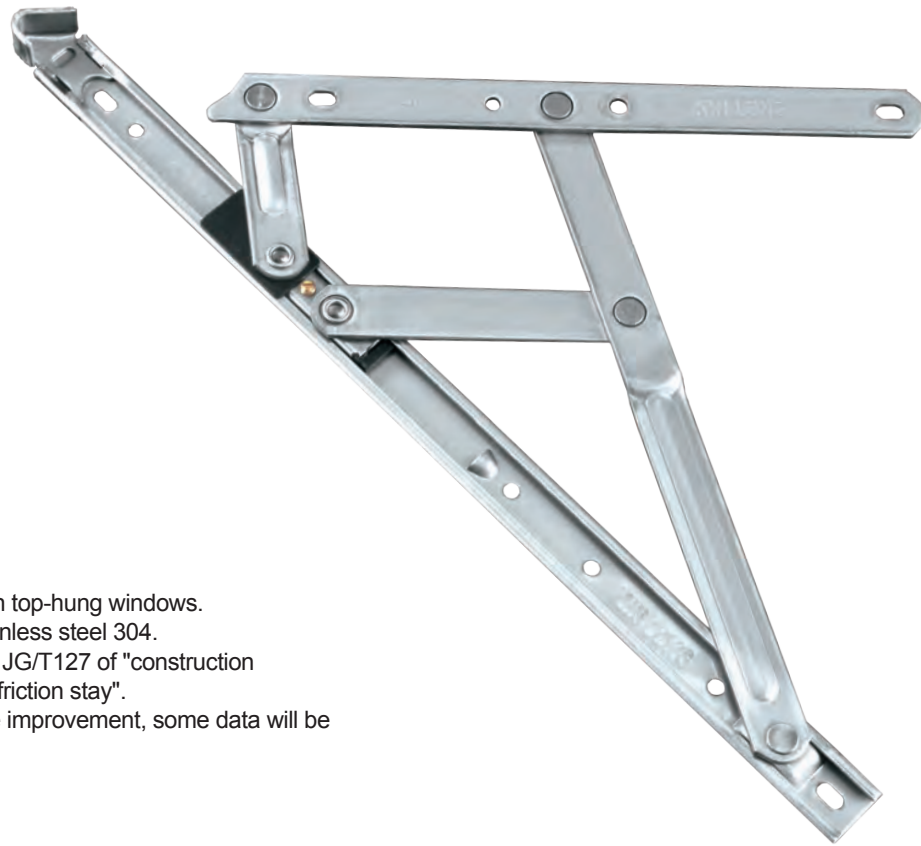


- ◆ Applicable to top-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Different types have different structures and the picture shows product 16".
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

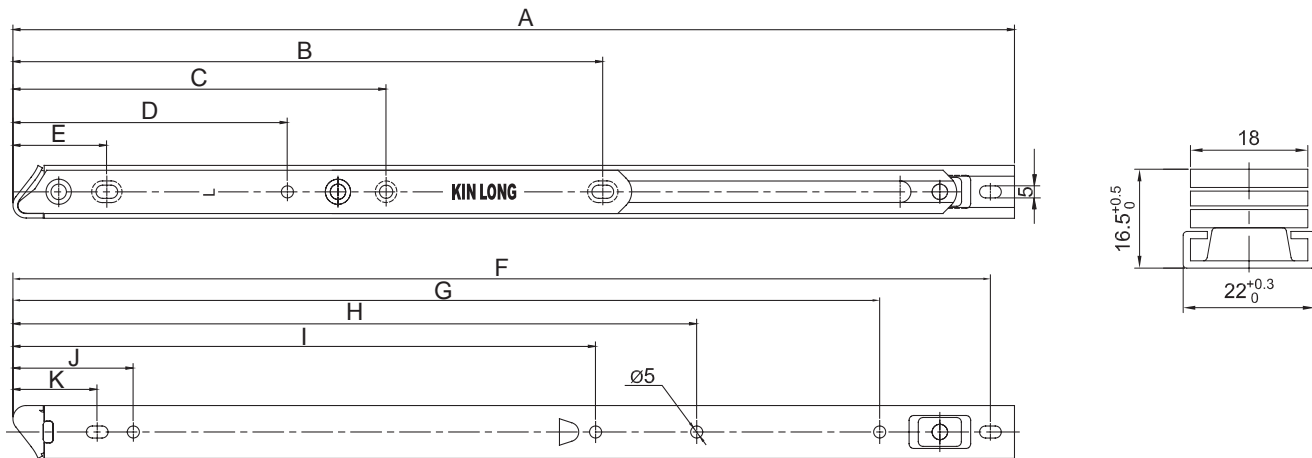


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC650-12"	314	179	134	79	41	304	264	200	34	800	1100	55	30°
HC650-14"	365	209	164	104	41	354	314	240	34	1000	1200	65	25°/30°
HC650-16"	415	240	195	104	41	405	355	240	34	1200	1300	80	25°/30°
HC650-18"	466	279	236	95	40	456	416	250	34	1400	1400	100	20°/25°

26. HC660 Series (Left&Right)

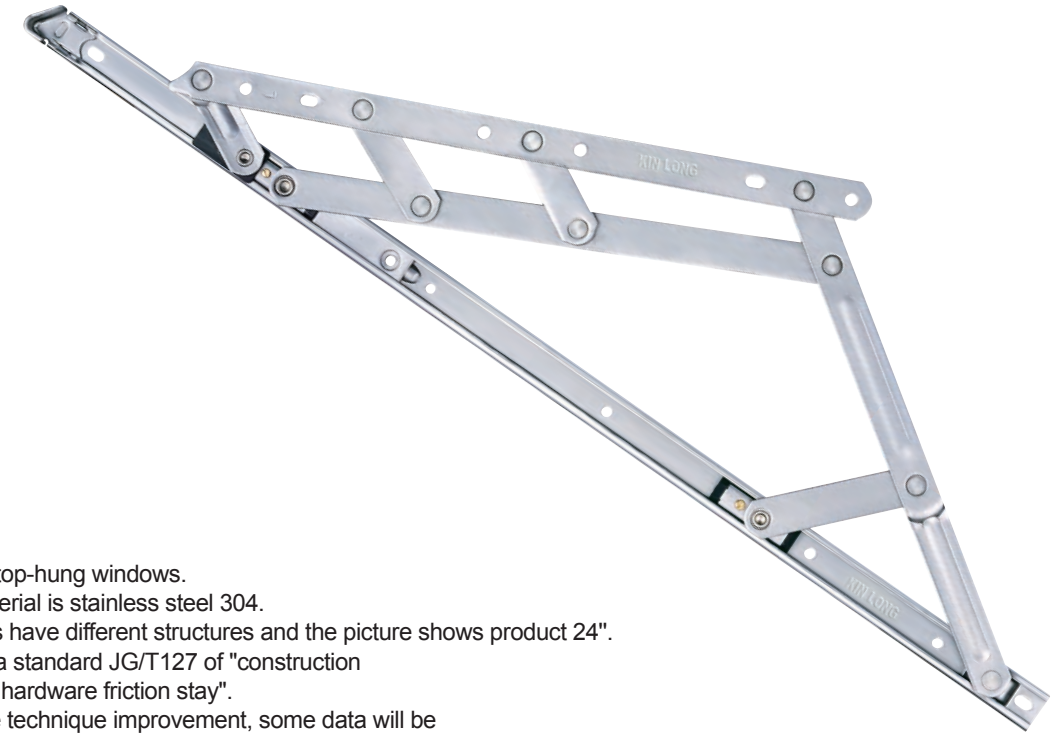


- ◆ Used on electrically open top-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

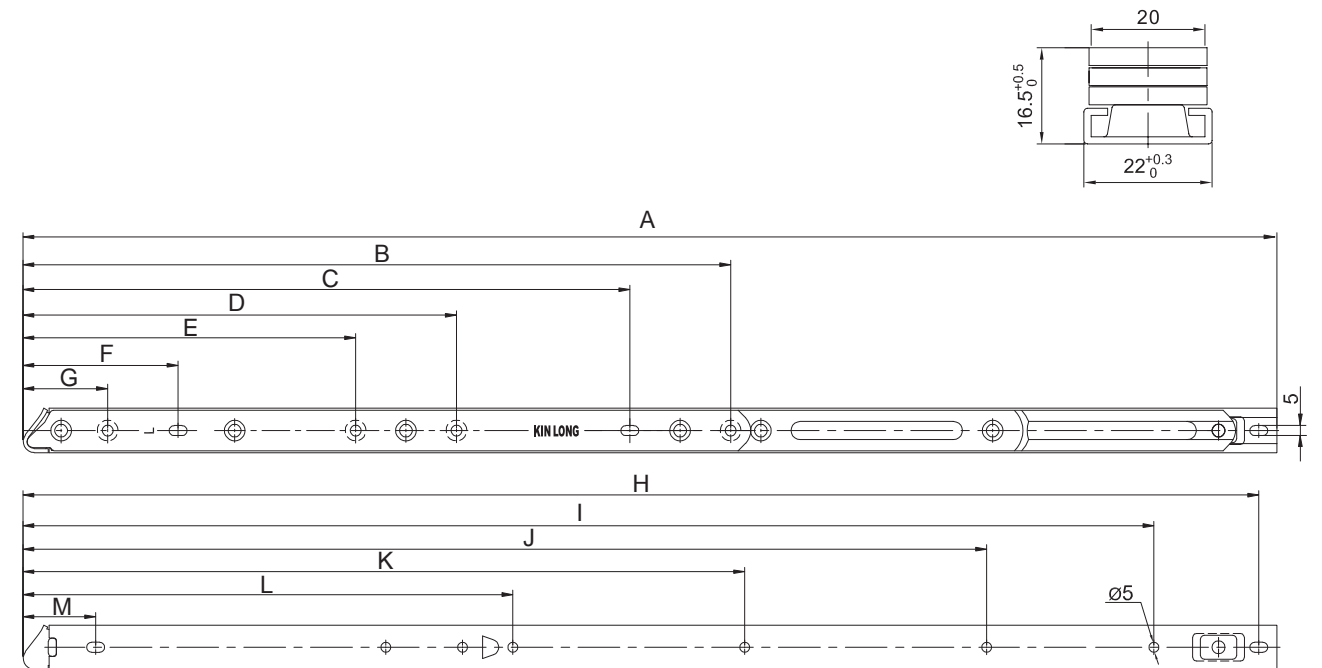


Installation Dimension Unit(mm)												Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	K	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC660-12"	314	205	116	74	39	304	258	231	204	50	35	750	1100	45	70°
HC660-14"	365	225	135	94	39	355	309	257	223	50	35	950	1150	55	70°
HC660-16"	416	245	155	114	39	406	360	284	242	50	35	1150	1200	70	70°

27. HC680 Series (Left&Right)



- ◆ Applicable to top-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Different types have different structures and the picture shows product 24".
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

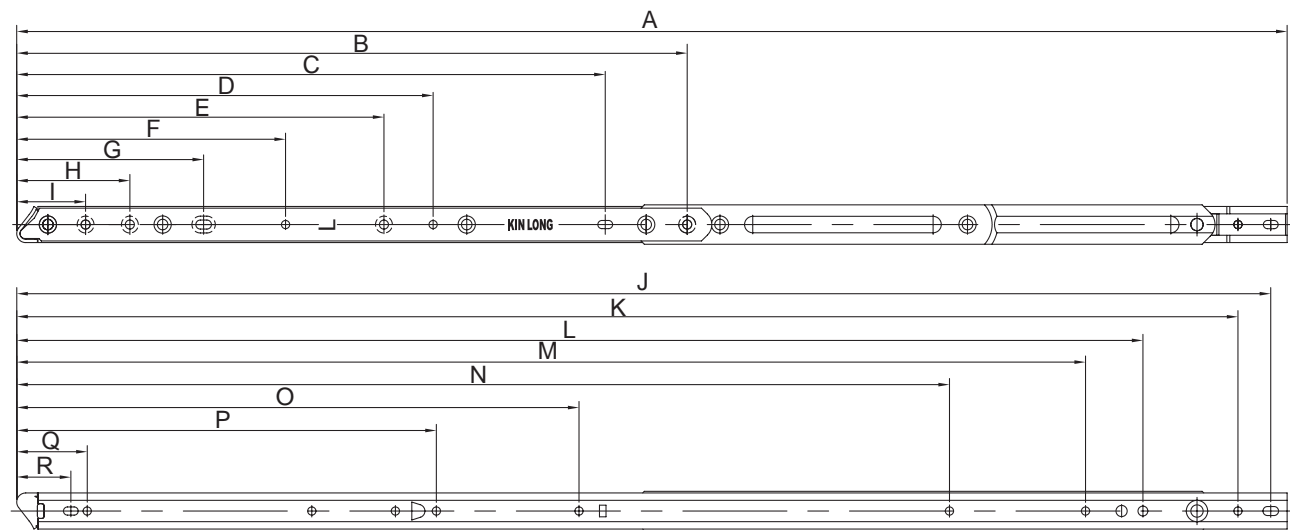
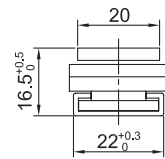


Installation Dimension Unit(mm)														Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	K	L	M	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC680-20"	521	303	253	173	--	77	42	511	459	--	322	246	36	1600	1600	120	15°/25°
HC680-24"	622	356	306	216	166	75	42	613	561	483	358	248	36	1800	1600	140	15°/25°
HC680-28"	724	409	359	248	198	93	42	714	662	574	424	249	36	2000	1600	160	15°/25°

28. HC685-200 (Left&Right)

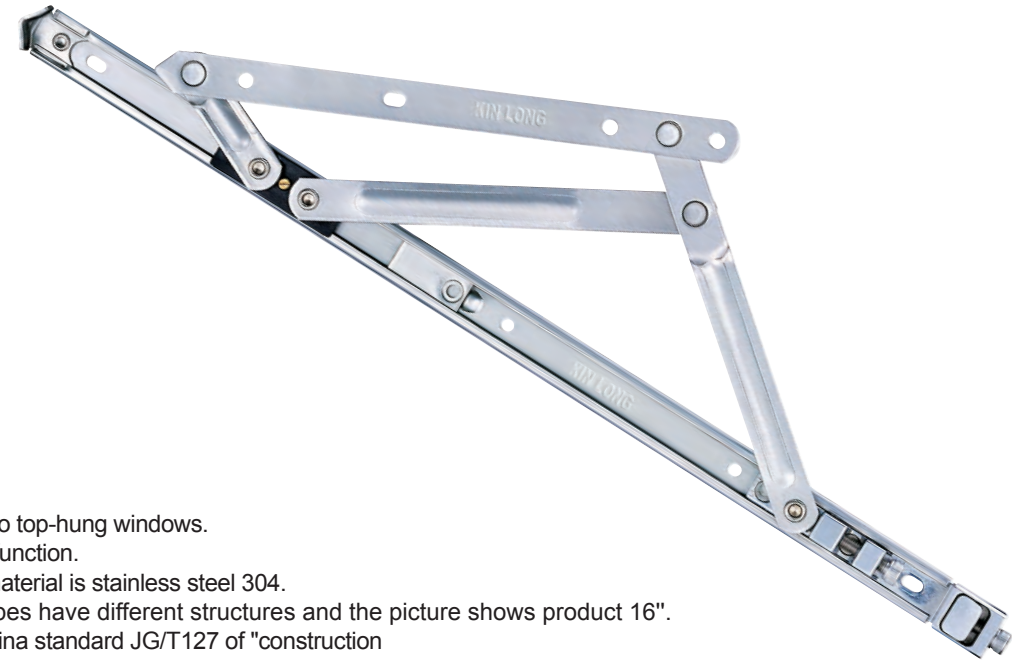


- ◆ Used on top-hung windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.

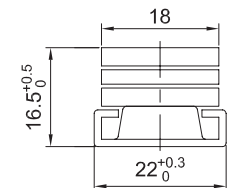
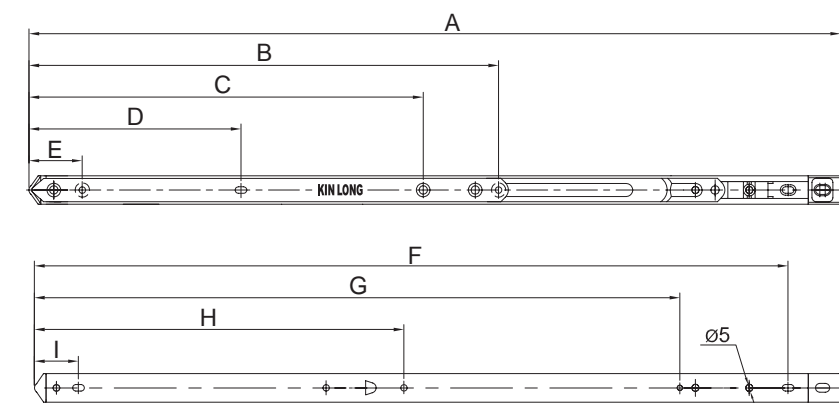


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC685-200	775	409	359	254	224	164	114	69	42	2200	1600	200	15°/25°
	J	K	L	M	N	O	P	Q	R				
	765	745	687	652	569	343	256	43	33				

29. FJ900A Series



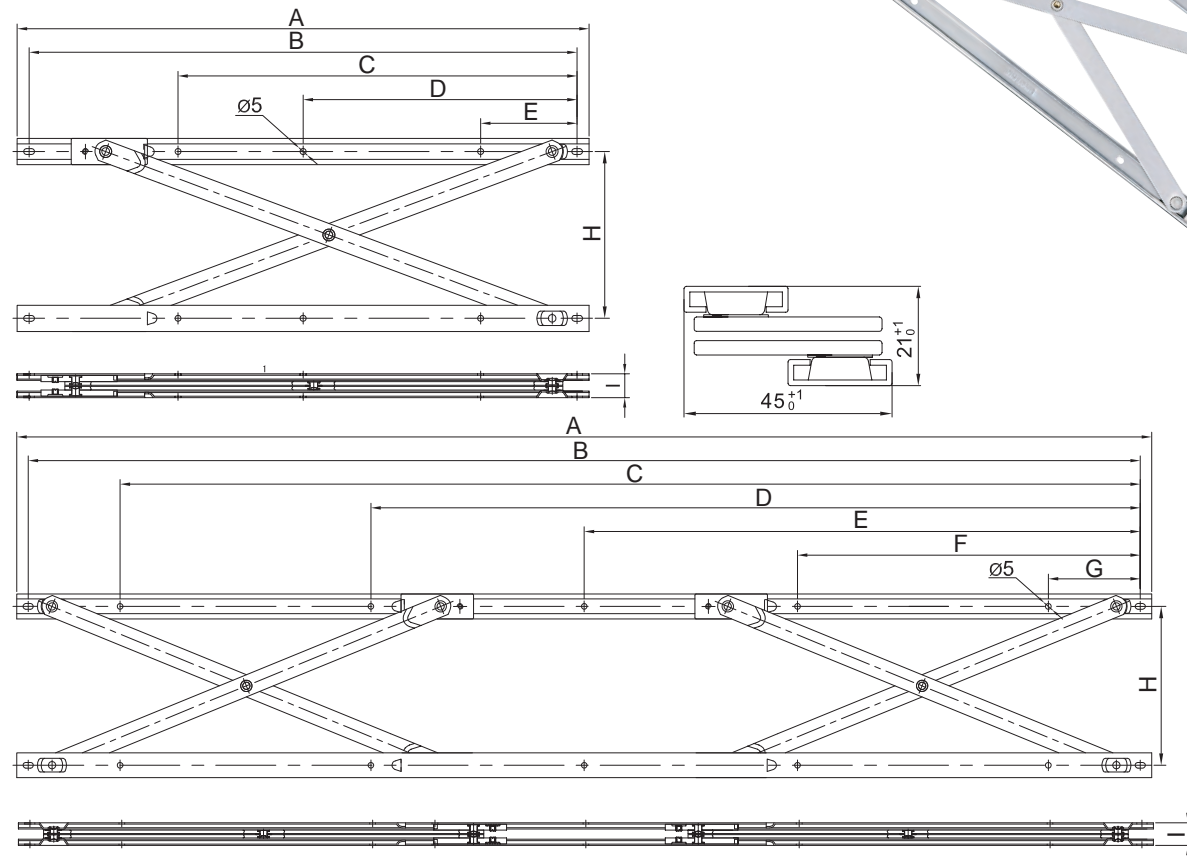
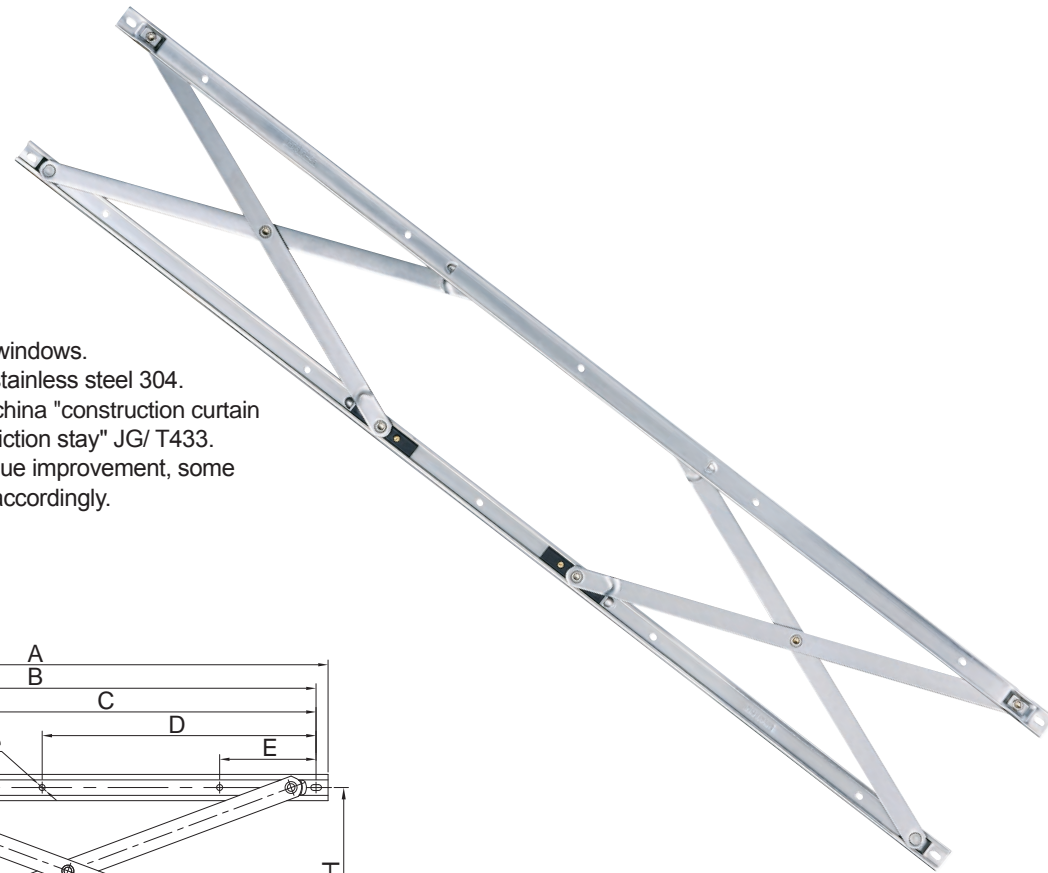
- ◆ Applicable to top-hung windows.
- ◆ Adjustable function.
- ◆ The main material is stainless steel 304.
- ◆ Different types have different structures and the picture shows product 16".
- ◆ Meet the china standard JG/T127 of "construction door&window hardware friction stay".
- ◆ Along with the technique improvement, some data will be changed accordingly.



Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
FJ900A-12"	381	179	134	79	41	340	254	200	34	800	1100	55	30°
FJ900A-14"	431	209	164	104	41	390	304	241	34	1000	1200	65	25°/30°
FJ900A-16"	482	240	195	104	41	441	354	241	34	1200	1300	80	25°/30°
FJ900A-18"	533	279	236	95	40	492	409	250	34	1400	1400	100	20°/25°

30. HC810 Series

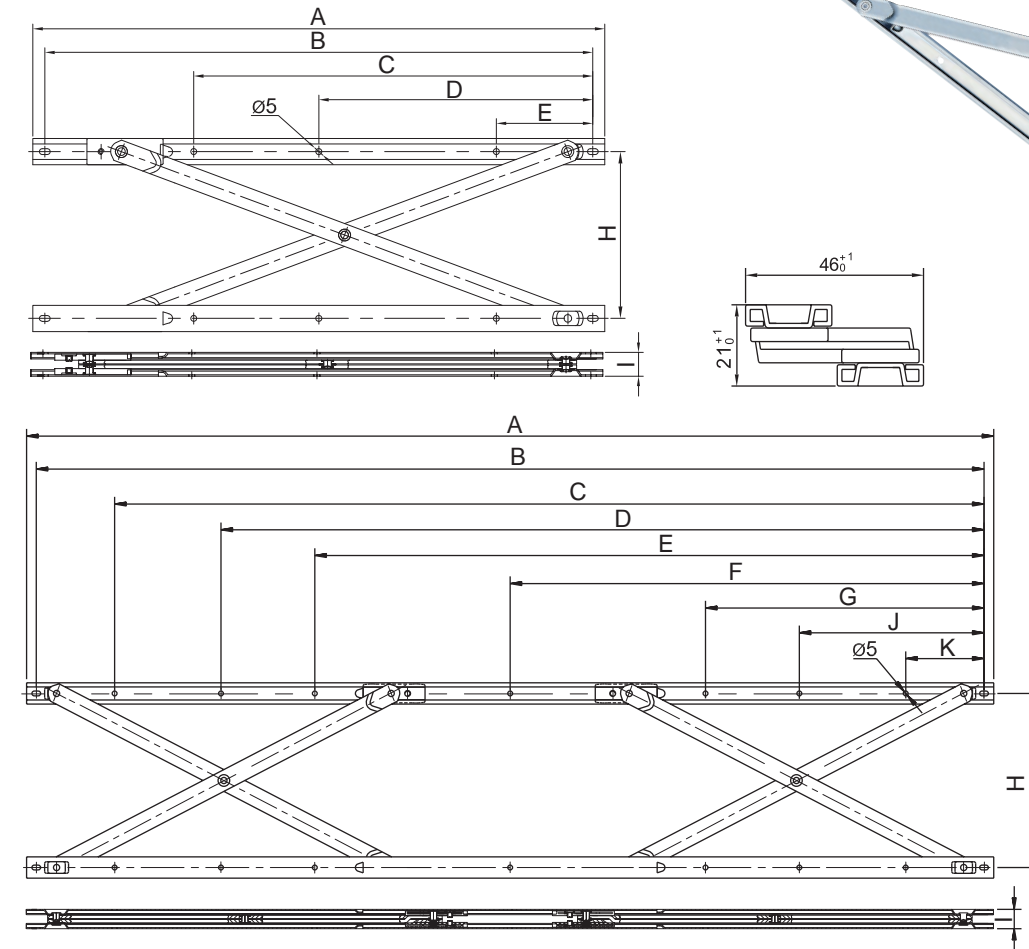
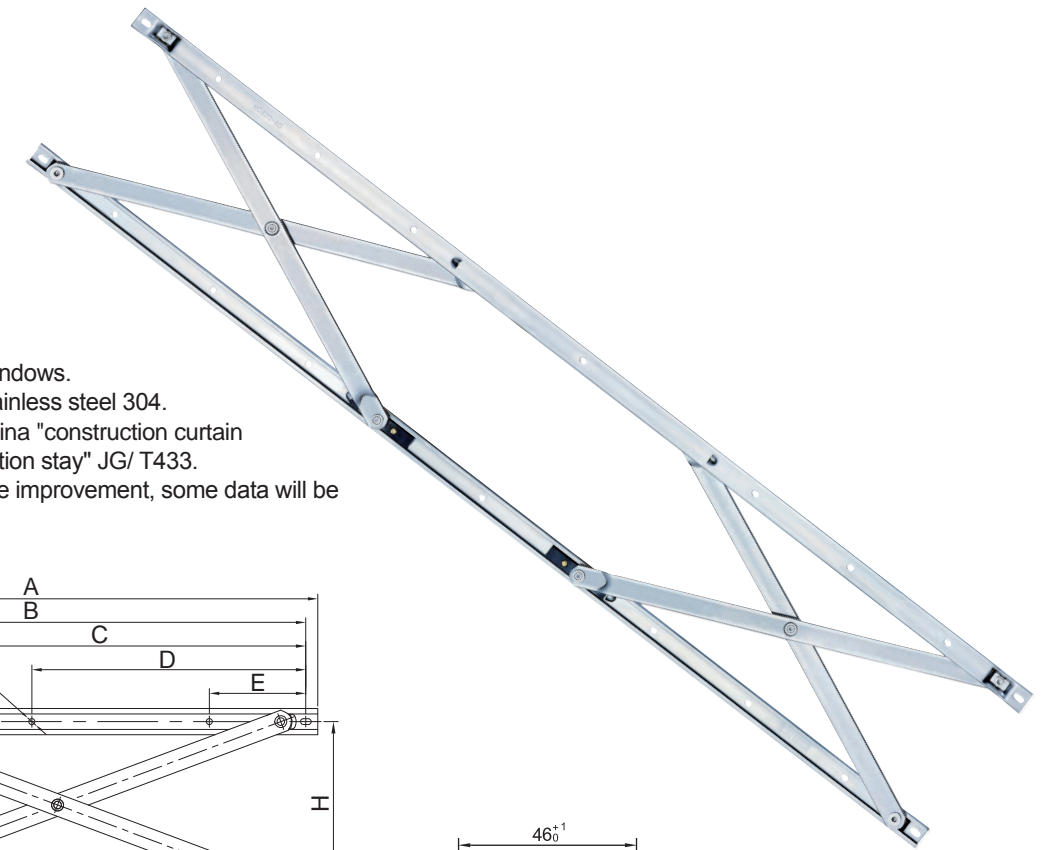
- ◆ Applicable to parallel windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of china "construction curtain wall parallel window friction stay" JG/ T433.
- ◆ Along with the technique improvement, some data will be changed accordingly.



Installation Dimension Unit(mm)										Technical Parameter		
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)
HC810-40"	1000	980	899	678	490	302	81	150	21	1600	800	80
HC810-28"	700	680	619	511	340	169	61	150	21	1200	800	70
HC810-19"	480	460	335	230	81	--	--	150	21	--	--	--

31. HC820 Series

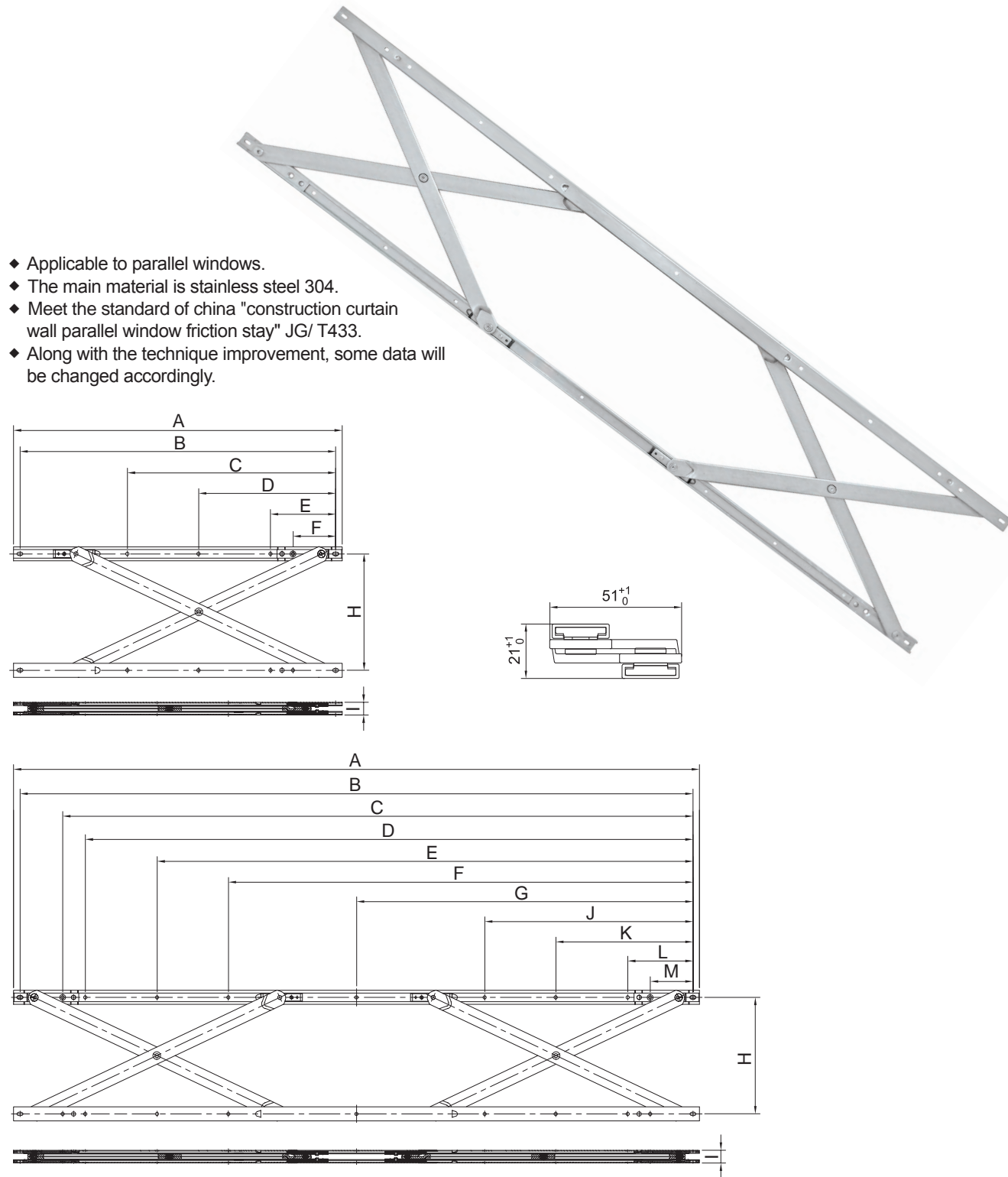
- ◆ Applicable to parallel windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of china "construction curtain wall parallel window friction stay" JG/ T433.
- ◆ Along with the technique improvement, some data will be changed accordingly.



Installation Dimension Unit(mm)												Technical Parameter		
Code	A	B	C	D	E	F	G	H	I	J	K	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)
HC820-40"	1000	980	899	789	682	490	298	160	21	191	81	1600	800	120
HC820-28"	700	680	619	518	--	340	162	160	21	61	--	1200	800	90
HC820-19"	480	460	331	230	81	--	--	160	21	--	--	--	--	--

32. HC825 Series

- ◆ Applicable to parallel windows.
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of china "construction curtain wall parallel window friction stay" JG/ T433.
- ◆ Along with the technique improvement, some data will be changed accordingly.

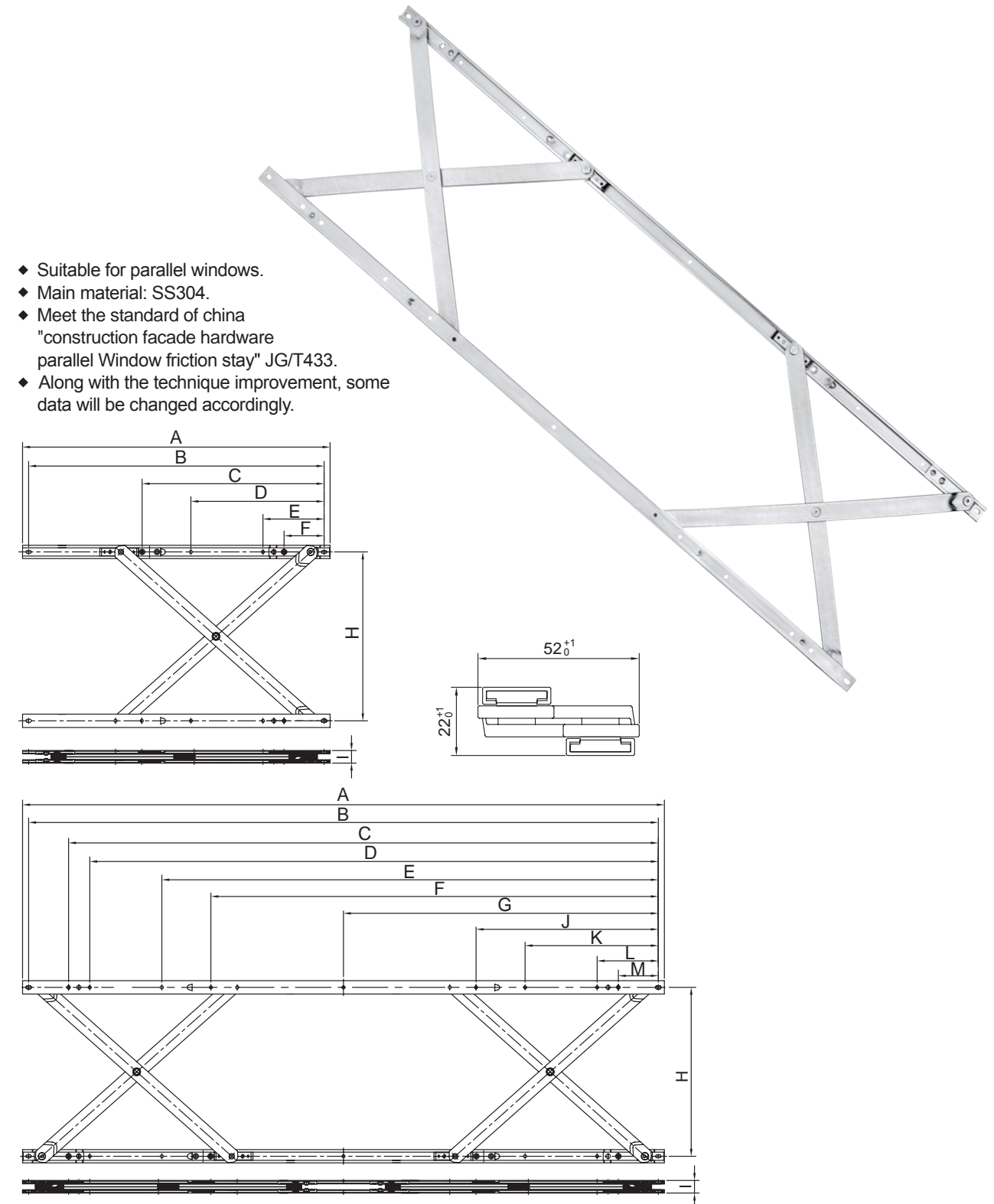


Installation Dimension Unit(mm)													Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	K	L	M	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)
HC825-42"	1060	1040	974	939	828	718	520	180	21	322	212	101	66	1800	1200	160
HC825-20"	508	488	322	212	101	66	--	180	21	--	--	--	--			

★ HC825-42 "Should Work With HC825-20".

33. HC850 Series

- ◆ Suitable for parallel windows.
- ◆ Main material: SS304.
- ◆ Meet the standard of china "construction facade hardware parallel Window friction stay" JG/T433.
- ◆ Along with the technique improvement, some data will be changed accordingly.



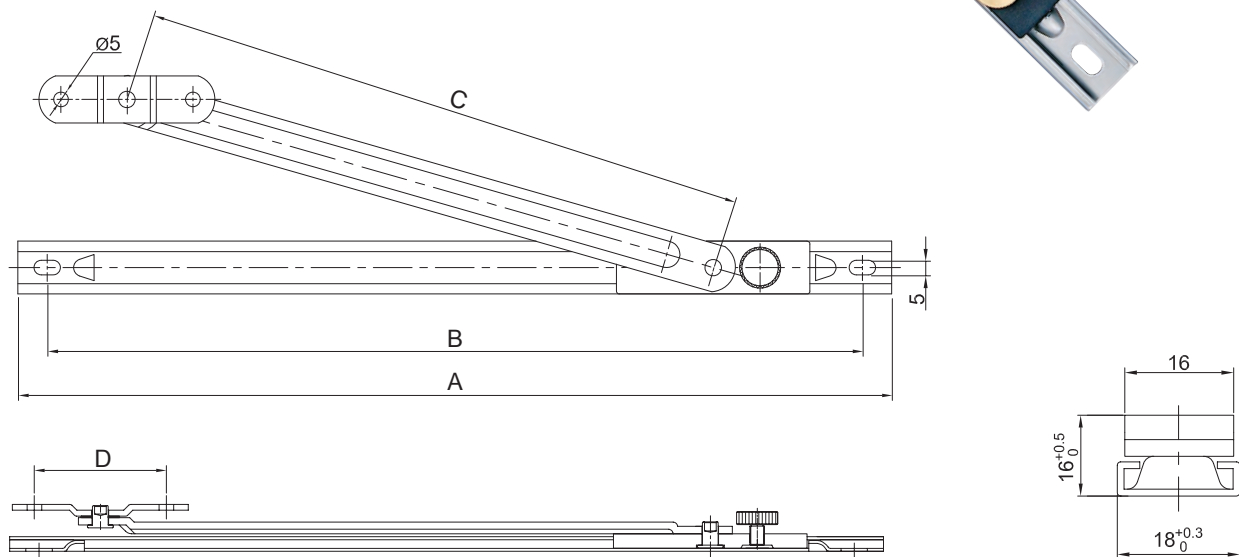
Installation Dimension Unit(mm)													Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	K	L	M	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)
HC850-42"	1060	1040	974	939	820	739	520	280	22	301	220	101	66	1800	1200	160
HC850-20"	508	488	301	220	101	66	--	280	22	--	--	--	--			

★ HC825-42 "Should Work With HC825-20".

34. FC100 Series



- ◆ Suitable for profile without groove.
- ◆ Restrict opening angle.
- ◆ Prevent window closing suddenly by strong wind and breaking window.
- ◆ Meet the china standard JG /T 128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly

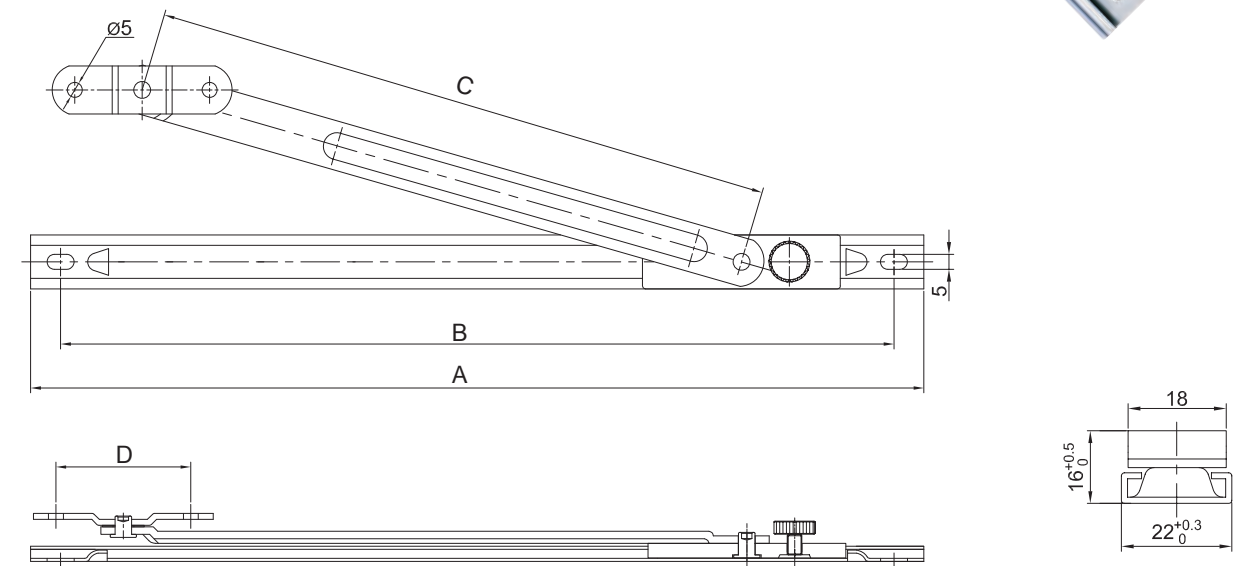


Installation Dimension Unit(mm)				
Code	A	B	C	D
FC100-08"	205	185	116	45
FC100-10"	256	236	165	45
FC100-12"	298	278	210	45

35. FC200 Series



- ◆ Suitable for profile without groove.
- ◆ Restrict opening angle.
- ◆ Prevent window closing suddenly by strong wind and breaking window.
- ◆ Meet the china standard JG/T128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly.

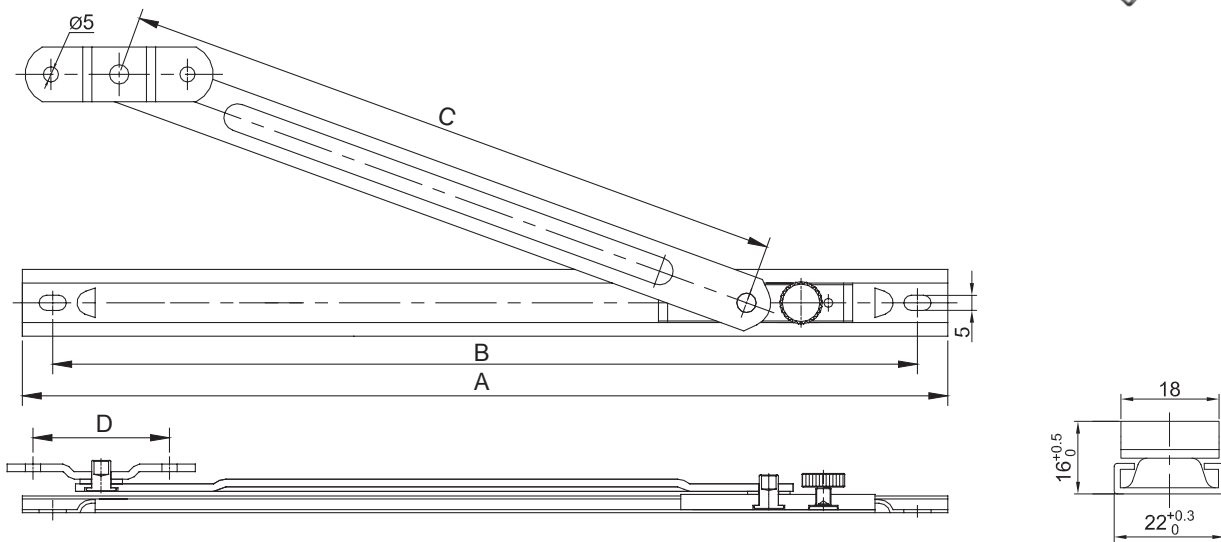


Installation Dimension Unit(mm)				
Code	A	B	C	D
FC200-10"	254	234	169	45
FC200-12"	305	285	220	45
FC200-14"	356	336	273	45
FC200-16"	410	390	324	45

36. FC210 Series



- ◆ Suitable for profile without groove.
- ◆ Restrict opening angle.
- ◆ Prevent window closing suddenly by strong wind and breaking window.
- ◆ Meet the china standard JG/T128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly.

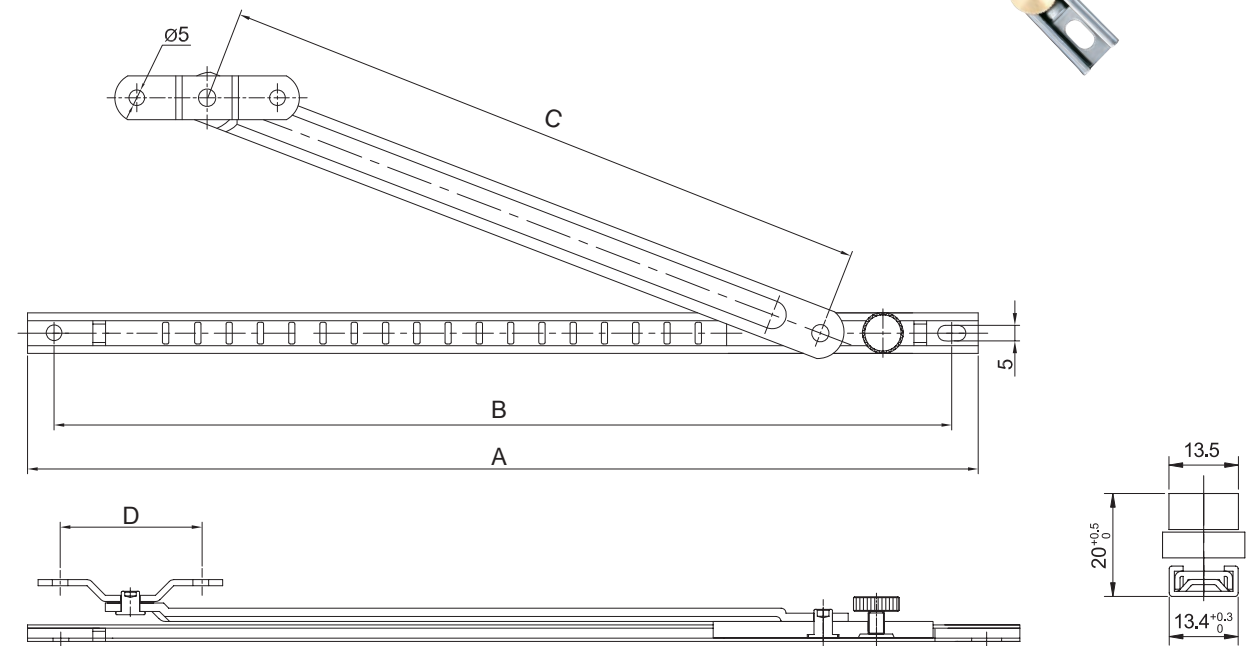


Installation Dimension Unit(mm)				
Code	A	B	C	D
FC210-10"	254	234	169	45
FC210-12"	305	285	220	45
FC210-14"	356	336	273	45

37. FC310 Series



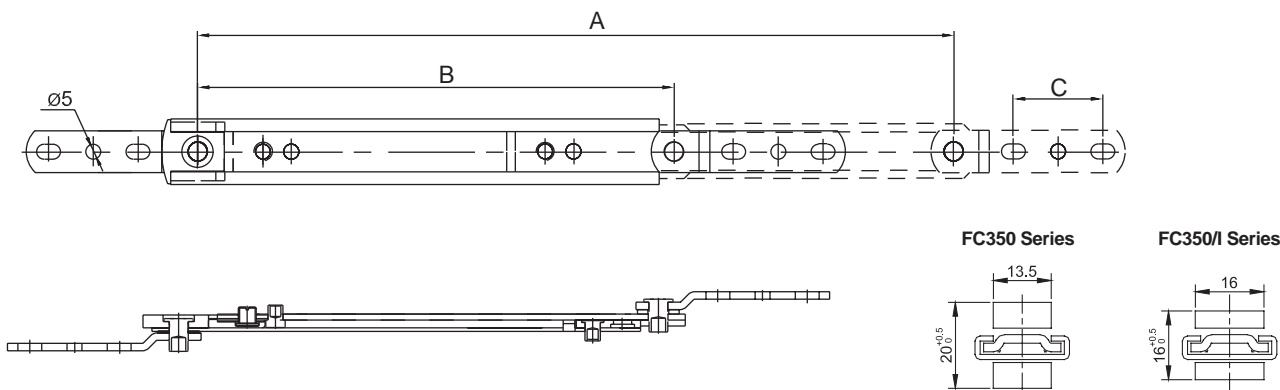
- ◆ Suitable for profile with standard c-groove.
- ◆ Restrict opening angle.
- ◆ Prevent window closing suddenly by strong wind and breaking window.
- ◆ Meet the china standard JG/T128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly.



Installation Dimension Unit(mm)				
Code	A	B	C	D
FC310-10"	254	237	165	45
FC310-12"	304	287	210	45
FC310-14"	354	337	255	45

38. FC350 Series

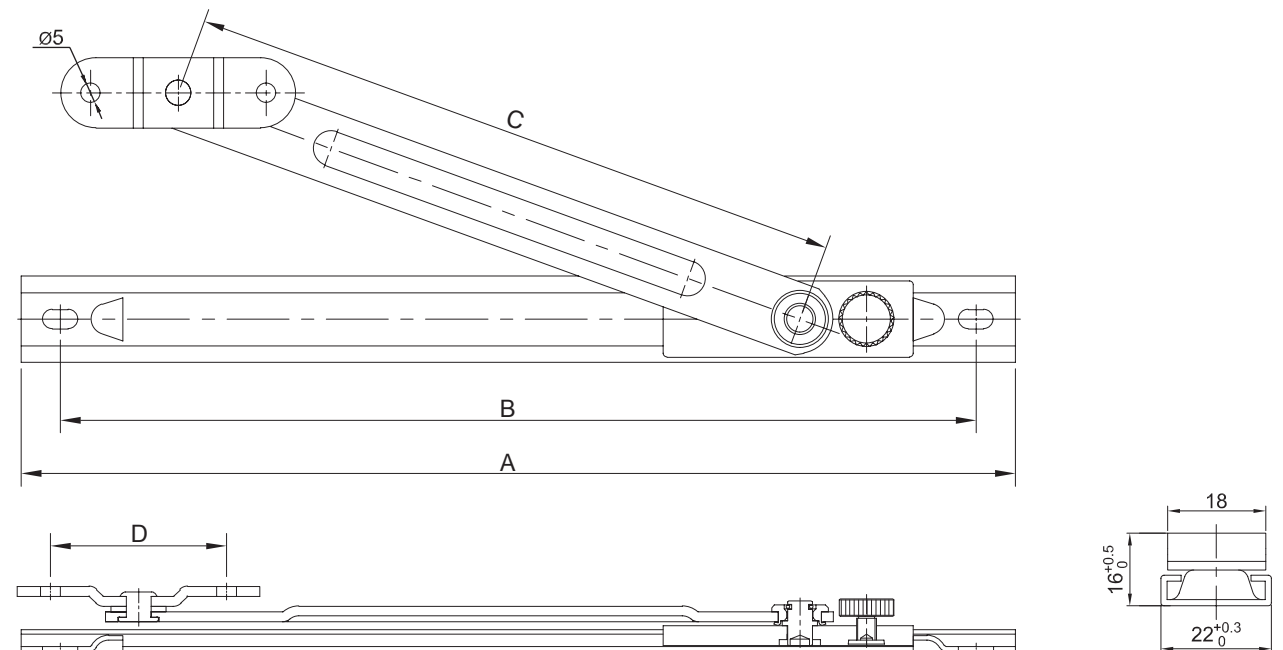
- ◆ Suitable for profile with standard c-groove.
- ◆ Restrict opening angle.
- ◆ Prevent window closing suddenly by strong wind and breaking window.
- ◆ Meet the china standard JG/T128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly.



Installation Dimension Unit(mm)			
Code	A	B	C
FC350-08"	204	135	30
FC350-10"	254	160	30
FC350-12"	304	185	30

39. FC410 Series

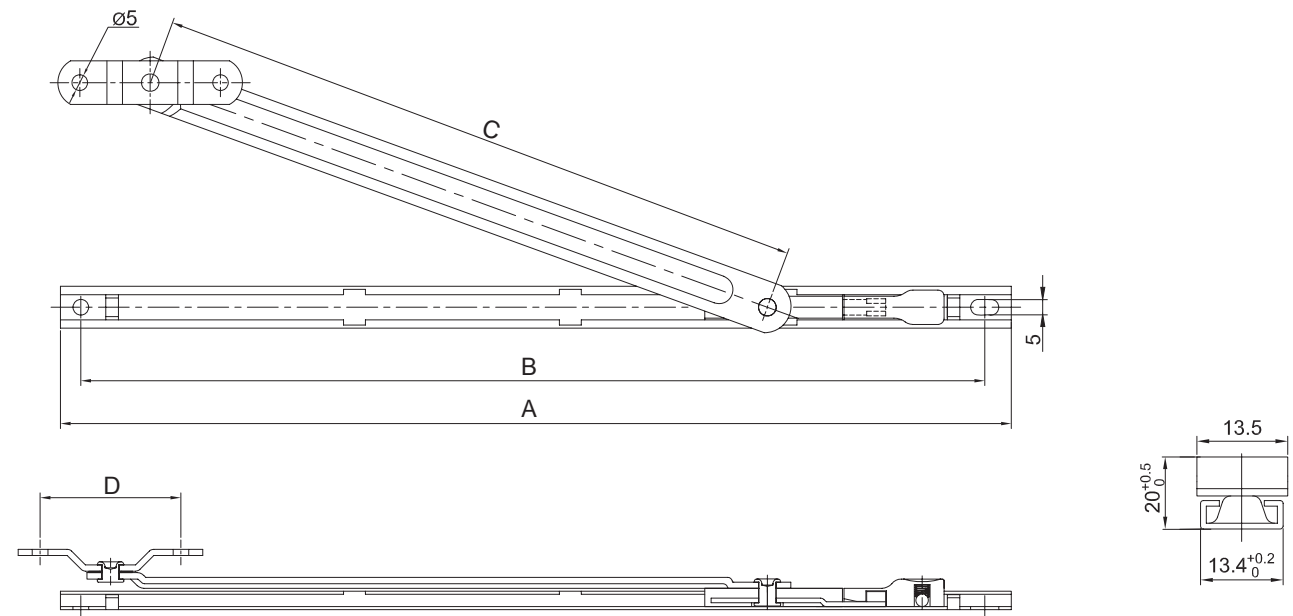
- ◆ Suitable for profile without groove.
- ◆ Restrict opening angle.
- ◆ Prevent window closing suddenly by strong wind and breaking window.
- ◆ Locking plate and linking rod can be separated, and it has the escape function.
- ◆ Meet the china standard JG/T128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly.



Installation Dimension Unit(mm)				
Code	A	B	C	D
FC410-10"	254	234	169	45
FC410-12"	305	285	220	45
FC410-14"	356	336	273	45
FC410-16"	410	390	324	45

40. FC500 Series

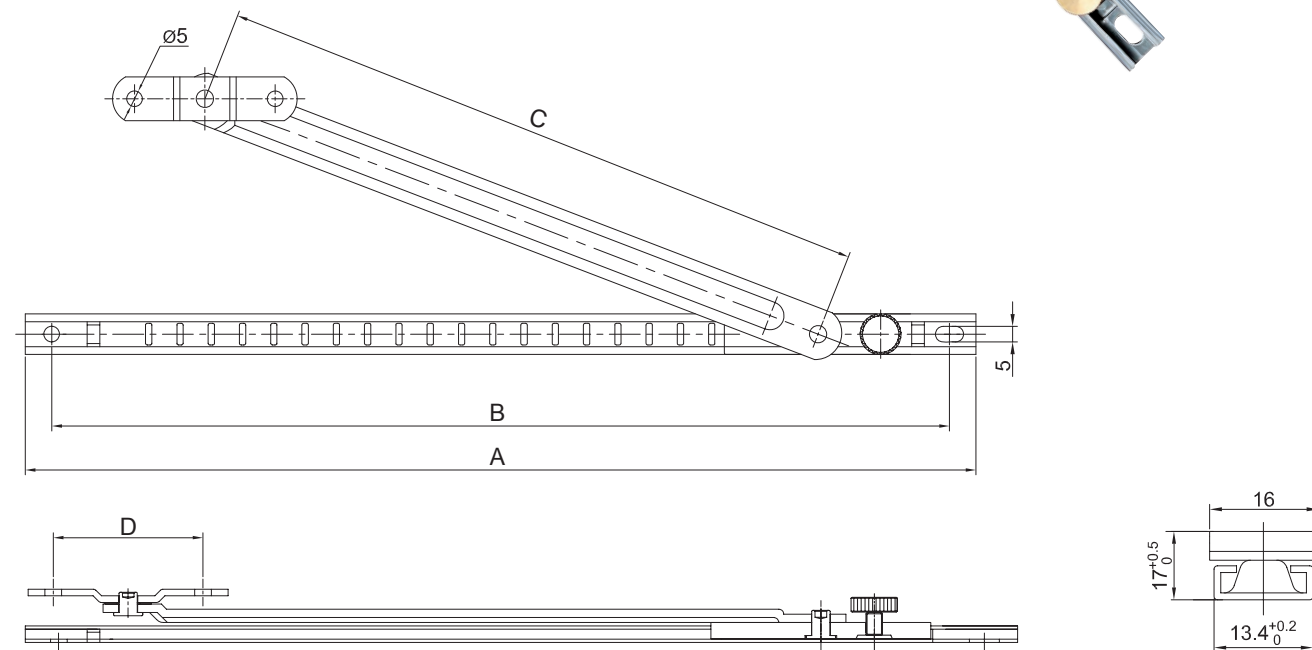
- ◆ Suitable for profile with standard c-groove.
- ◆ Restrict opening angle.
- ◆ Prevent window closing suddenly by strong wind and breaking window.
- ◆ Realize multi-angle positioning function.
- ◆ Meet the china standard JG/T128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly.



Installation Dimension: Unit(mm)				
Code	A	B	C	D
FC500-12"	304	289	210	45
FC500-14"	355	340	255	45

41. PFC0200 Series

- ◆ Suitable for PVC profile windows.
- ◆ Restrict opening angle.
- ◆ Prevent window closing suddenly by strong wind and breaking window.
- ◆ Meet the china standard JG/T128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly.

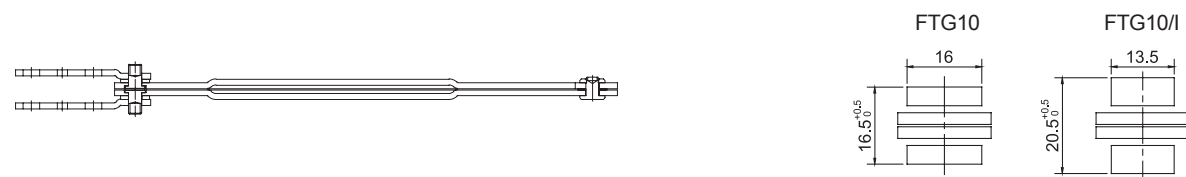
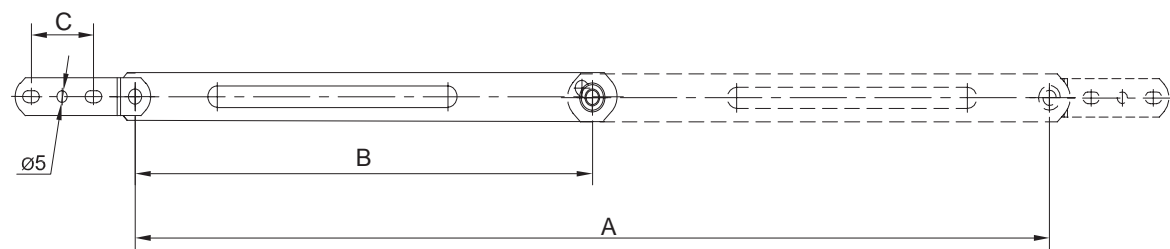


Installation Dimension: Unit(mm)				
Code	A	B	C	D
PFC0200-10"	254	237	165	45
PFC0200-12"	304	287	210	45
PFC0200-14"	354	337	255	45

42. FTG10 Series (Left&Right)



- ◆ Applicable to open-out turn&tilt windows.
- ◆ Restrict opening angle.
- ◆ When accidents happens, it has the anti-fallout function.
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of china "construction door&window hardware general requirements GB/T 32223-2015.
- ◆ Along with the technique improvement, some data will be changed accordingly.



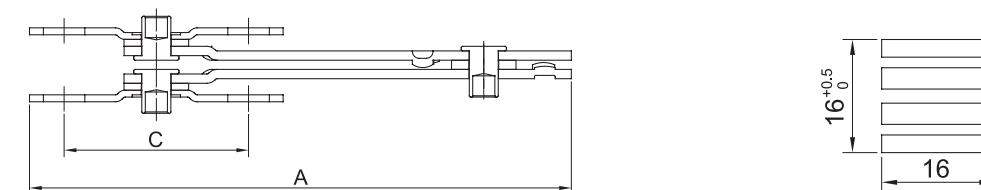
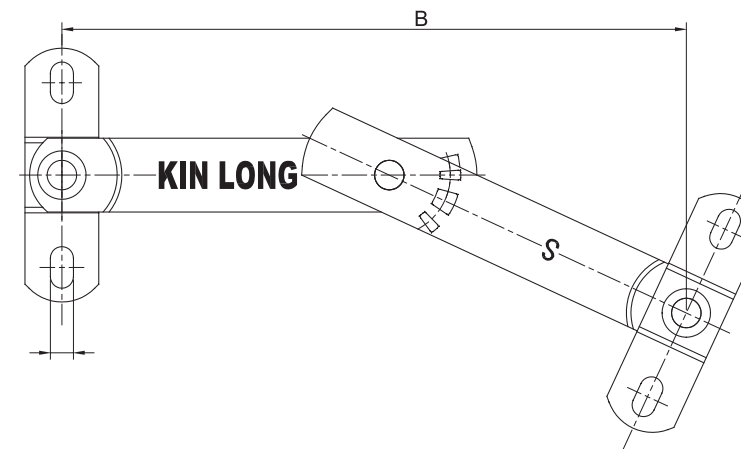
Installation Dimension: Unit(mm)			
Code	A	B	C
FTG10-450"	450	225	30
FTG10-600"	600	300	30

★ Anti-Fallout Rod Should Work With Wj105 Series.

43.XW15 Limiter



- ◆ Applicable to "without groove" profiles.
- ◆ Limit the opening angle of the sash.
- ◆ Prevent the windows from being suddenly closed due to strong wind and damaging the windows.
- ◆ The main material is: 304 stainless steel.
- ◆ Along with the technical improvement, some data will be changed accordingly

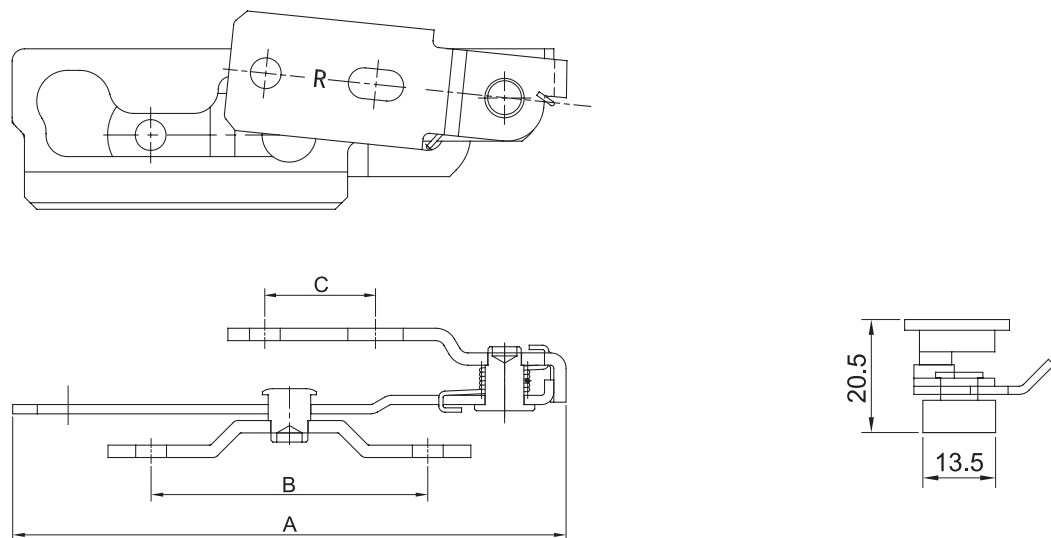


Installation Dimension: Unit(mm)			
Code	A	B	C
XW15	118	136	40

44.Limiter XW20 (left&Right)



- ◆ Applied to european standard C groove profiles.
- ◆ Limit the opening angle of the window sash to achieve a micro-ventilation state.
- ◆ The main material is: 304 stainless steel.
- ◆ Along with the technical improvement, some data will be changed accordingly.

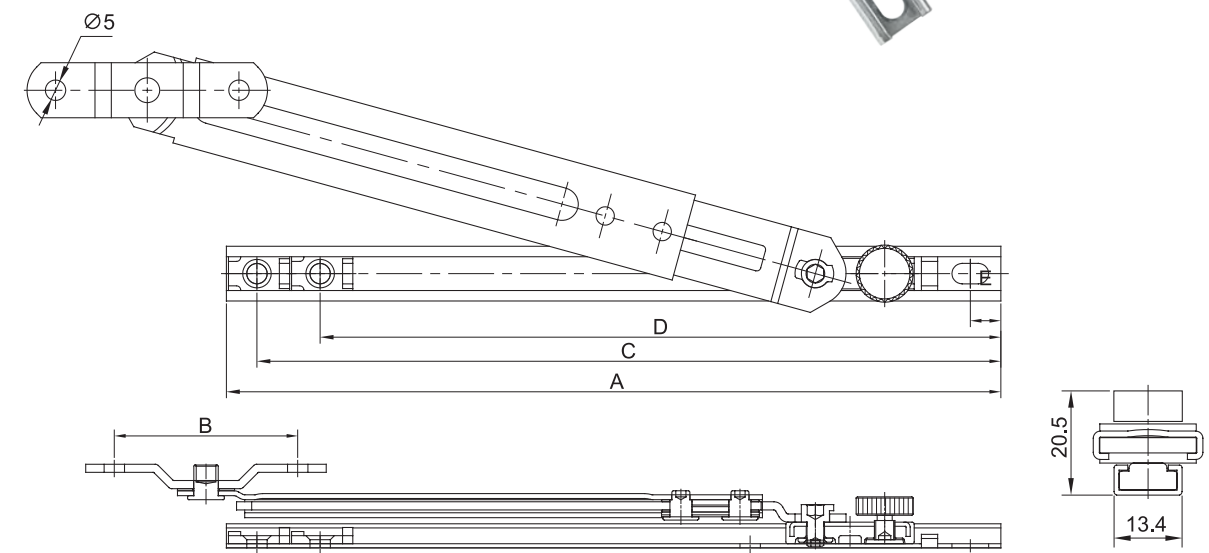


Installation Dimension: Unit(mm)			
Code	A	B	C
XW20	90	45	18

45.Limiter XW40



- ◆ Applied to european standard C groove profiles.
- ◆ Limit the opening angle of the sash.
- ◆ Prevent the windows from being suddenly closed due to strong wind and damaging the windows.
- ◆ The main material is: 304 stainless steel.
- ◆ Along with the technical improvement, some data will be changed accordingly.

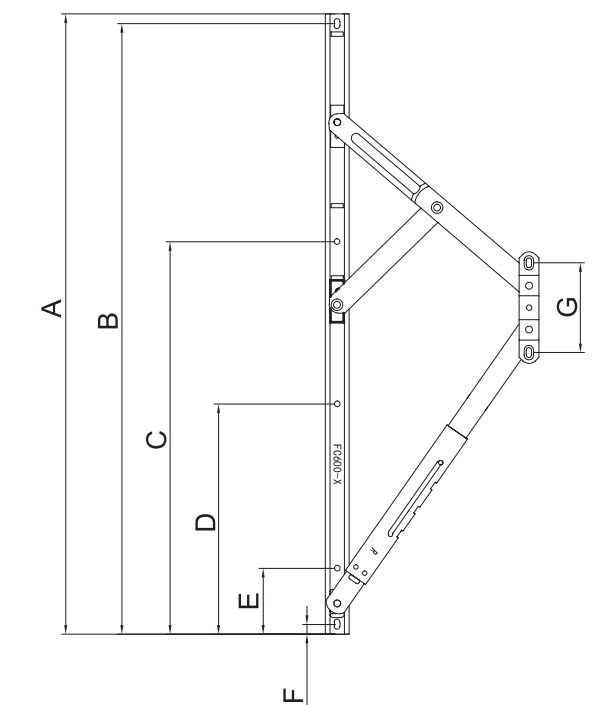
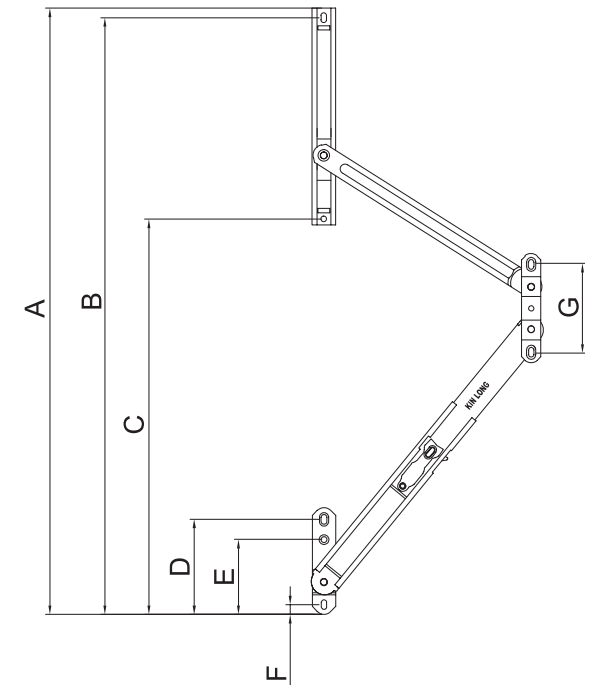
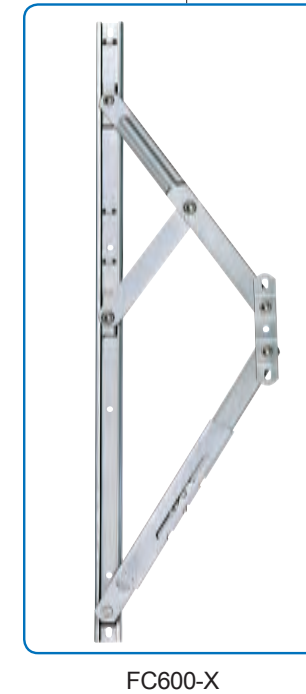
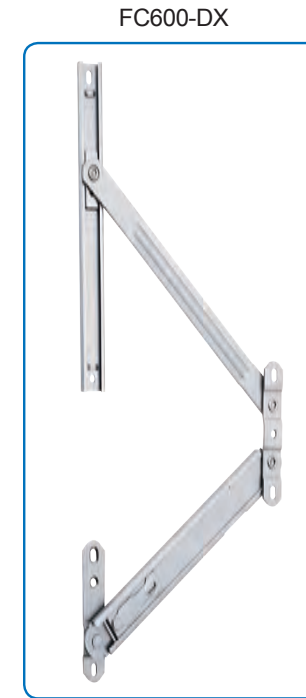
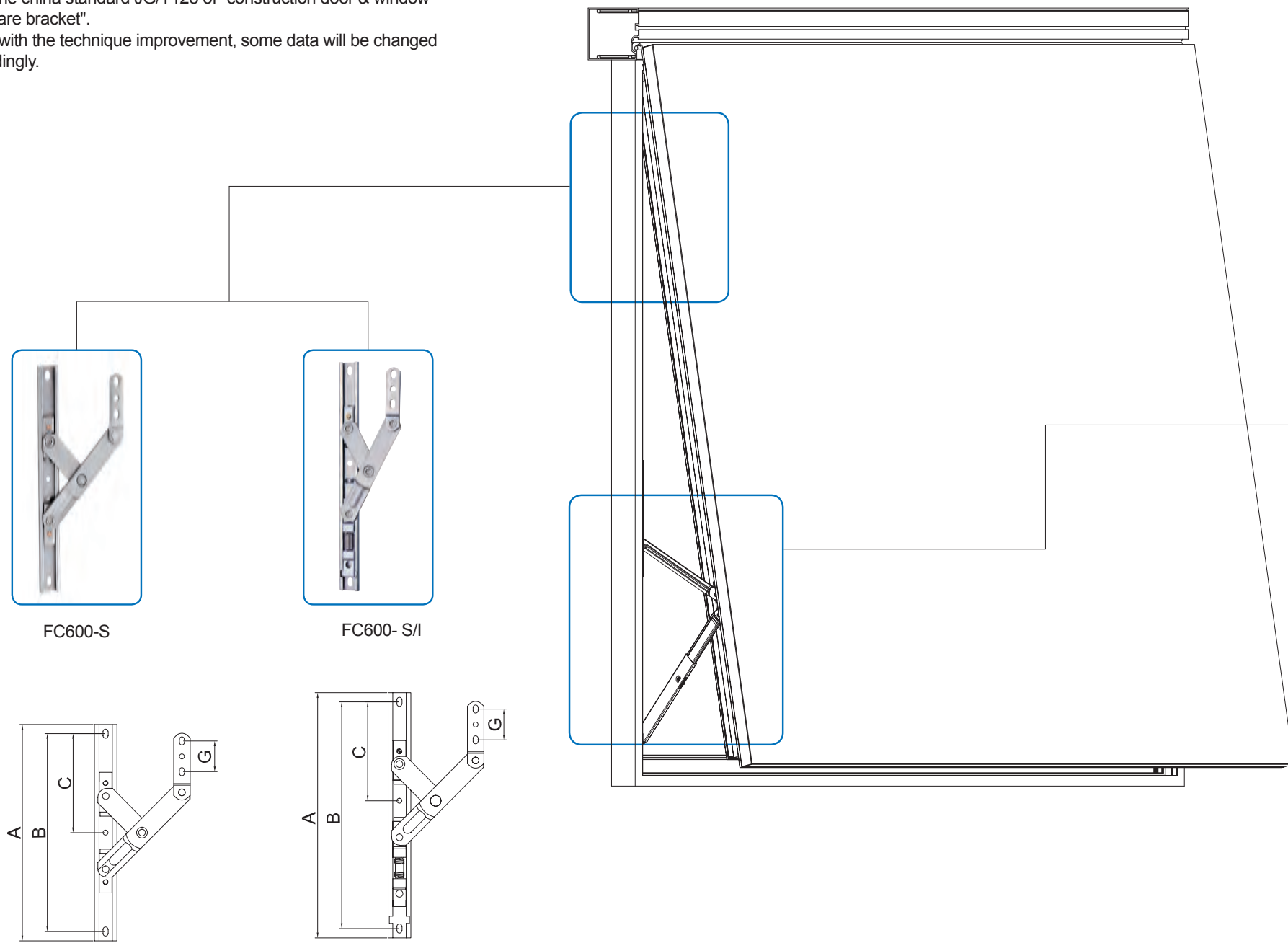


Installation Dimension: Unit(mm)					
Code	A	B	C	D	E
XW40	190	45	183	167	8

★ The Limiter Xw40 Is Used In Conjunction With The Open-Out Hinges.

46. FC600 Series (Left&Right)

- ◆ Suitable for top-hung windows with hook profile.
- ◆ Prevent window closing suddenly by strong wind and breaking window.
- ◆ Realize the multi-angle positioning and ventilation function.
- ◆ Meet the china standard JG/T128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly.



FC600-S

FC600-S/I

FC600-X

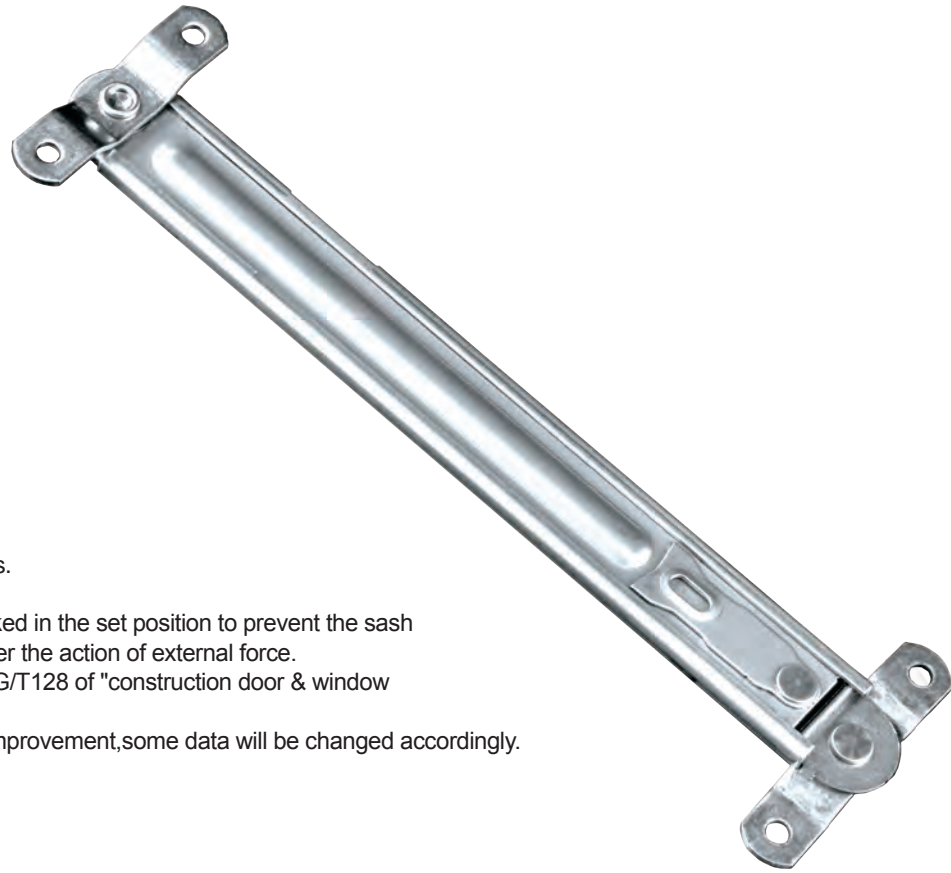
FC600-DX

Installation Dimension: Unit(mm)				
Code	A	B	C	G
FC600-S	210	192	96	30
FC600-S/I	238	220	96	30

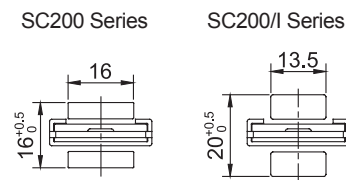
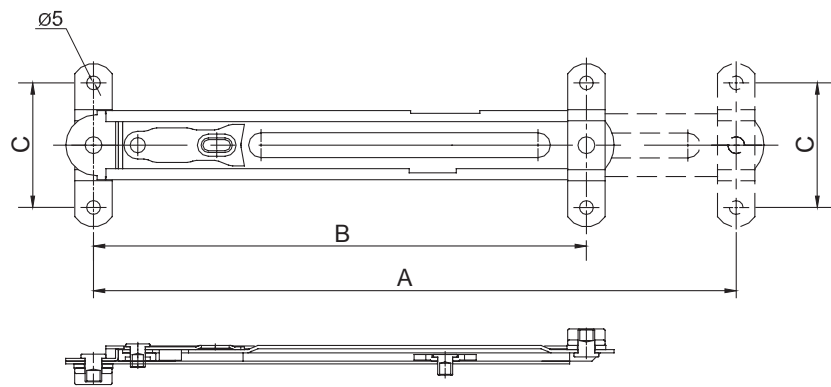
Installation Dimension: Unit(mm)							
Code	A	B	C	D	E	F	G
FC600-X	566	557	358	210	60	9	82
FC600-DX	566	557	351	89	70	9	82

★ Upper Hook Pegstay Should Work With Bottom Hook Pegstay, To Realize The Positioning And Ventilation Function Of Top-Hung Window With Hook Profile.

47. SC200 Series(Left&Right)



- ◆ Used on top-hung windows.
- ◆ Restrict opening angle.
- ◆ It can be automatically locked in the set position to prevent the sash from suddenly closing under the action of external force.
- ◆ Meet the china standard JG/T128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly.



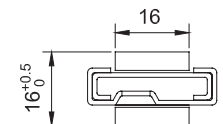
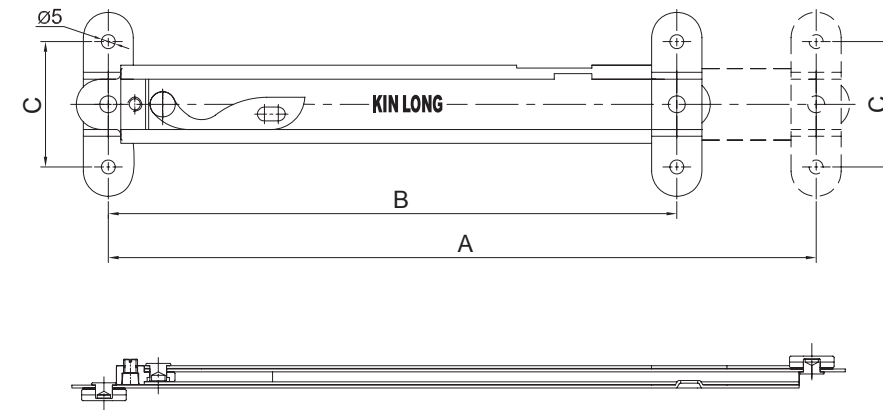
Installation Dimension Unit(mm)			
Code	A	B	C
SC200-08"	204	153	45
SC200-10"	254	178	45
SC200-12"	305	203	45

★ Note: Retractable Pegstay Should Work With The Friction Stay.

48. SC320 Series(Left&Right)



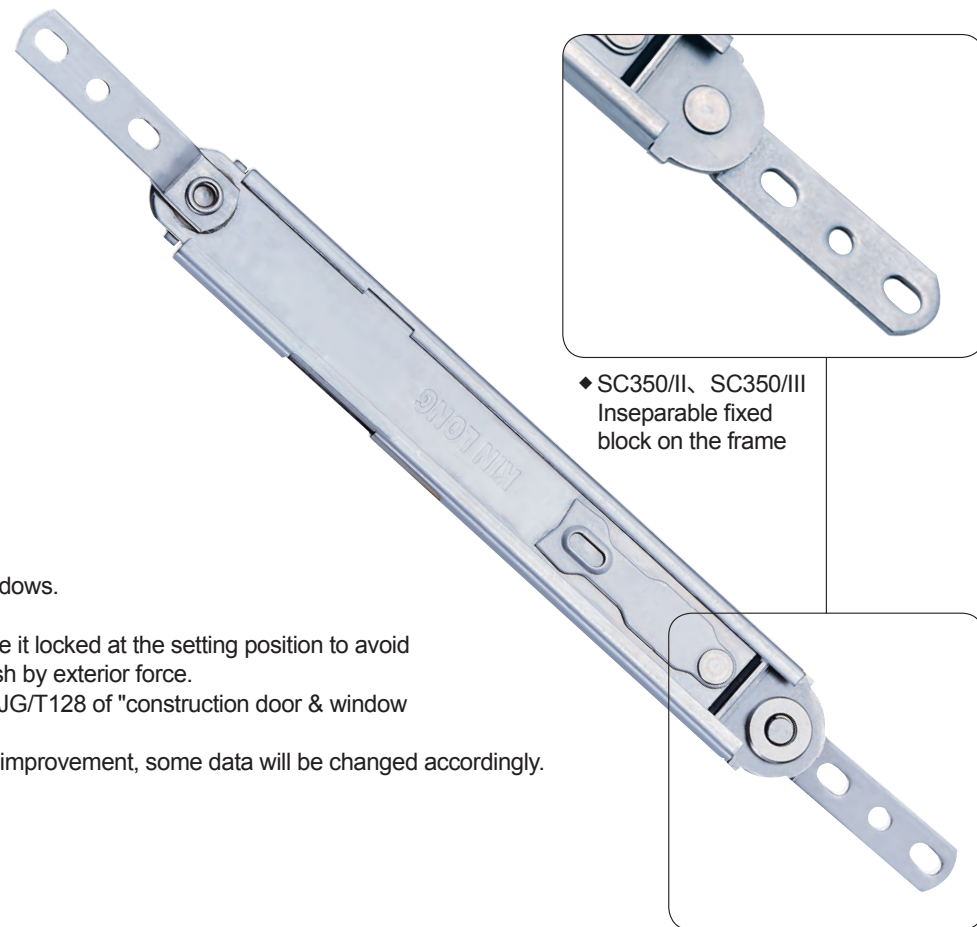
- ◆ Suitable for top-hung windows.
- ◆ Restrict opening angle.
- ◆ Can be locked at designed position to avoid sudden closing of the sash by exterior force.
- ◆ Meet the china standard JG/T128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly.



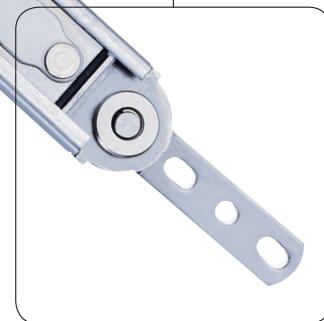
Installation Dimension Unit(mm)			
Code	A	B	C
SC320-08"	204	158	45
SC320-10"	254	183	45
SC320-12"	305	208	45
SC320-14"	356	234	45
SC320-16"	407	259	45

★ Note: Retractable Pegstay Should Work With The Friction Stay.

49. SC350 Series(Left&Right)

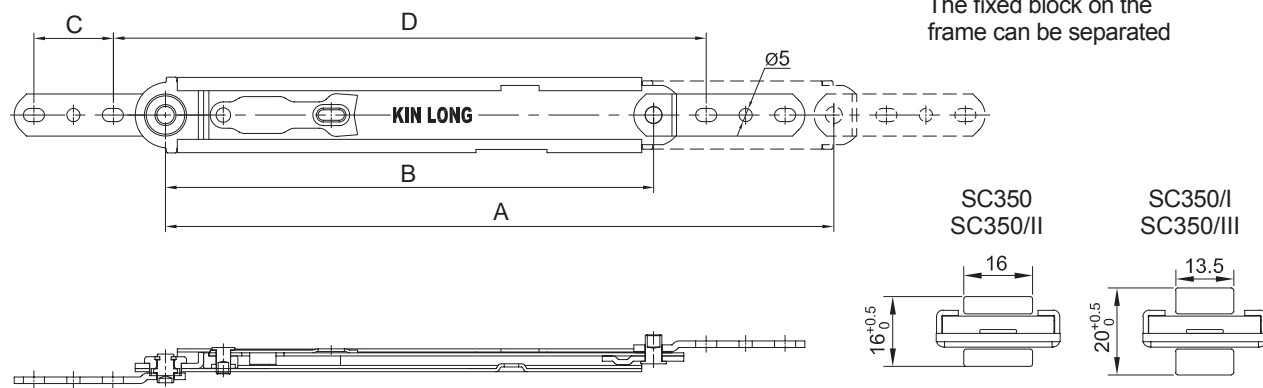


◆ SC350/II、SC350/III
Inseparable fixed
block on the frame



◆ SC350、SC350/I
The fixed block on the
frame can be separated

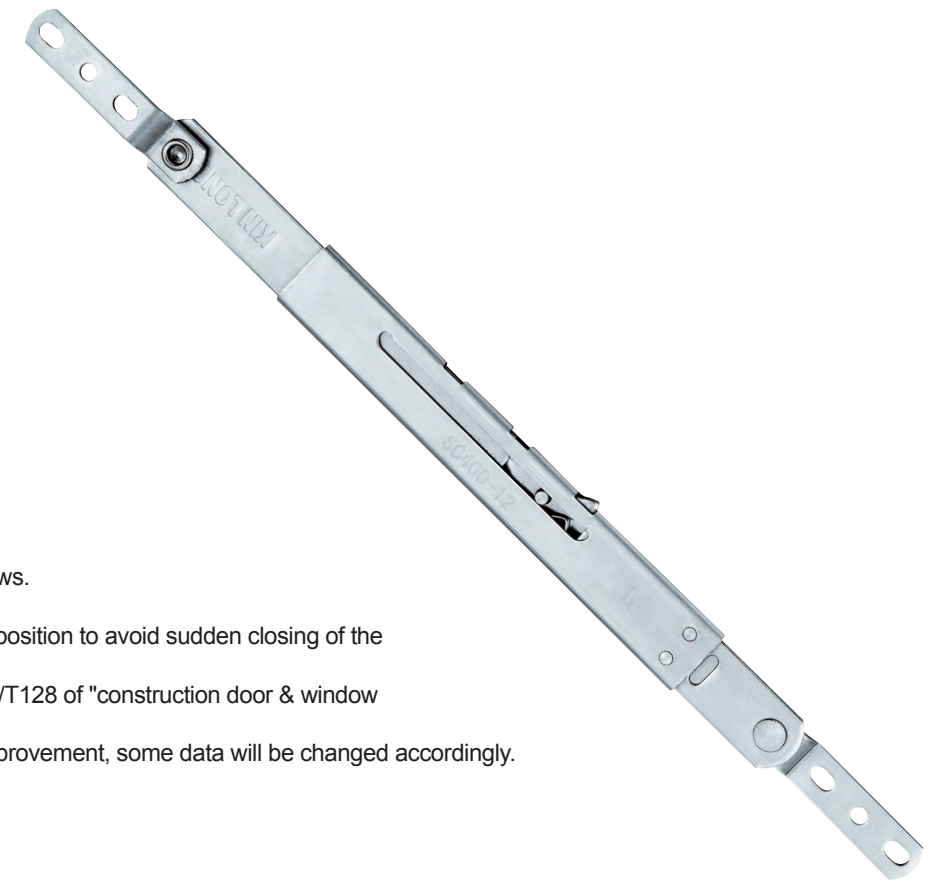
- ◆ Suitable for top-hung windows.
- ◆ Restrict opening angle.
- ◆ With high strength, can be it locked at the setting position to avoid sudden closing of the sash by exterior force.
- ◆ Meet the china standard JG/T128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly.



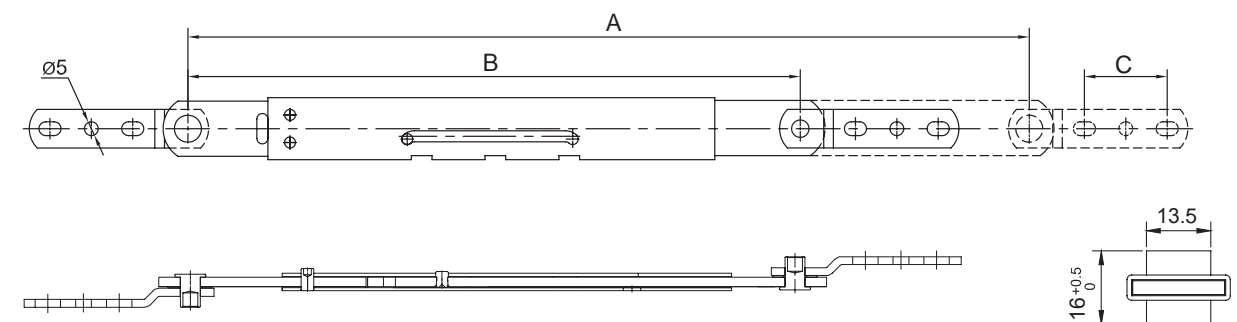
Installation Dimension: Unit(mm)				
Code	A	B	C	D
SC350-10"	254	186	30	227
SC350-12"	305	211	30	252
SC350-14"	356	237	30	278
SC350-16"	407	262	30	303

★ Note: Retractable Pegstay Should Work With The Friction Stay.

50. SC400 Series(Left&Right)



- ◆ Suitable for top-hung windows.
- ◆ Restrict opening angle.
- ◆ Can be locked at designed position to avoid sudden closing of the sash by exterior force.
- ◆ Meet the china standard JG/T128 of "construction door & window hardware bracket".
- ◆ Along with the technique improvement, some data will be changed accordingly.

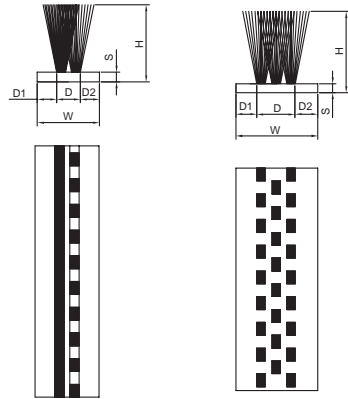
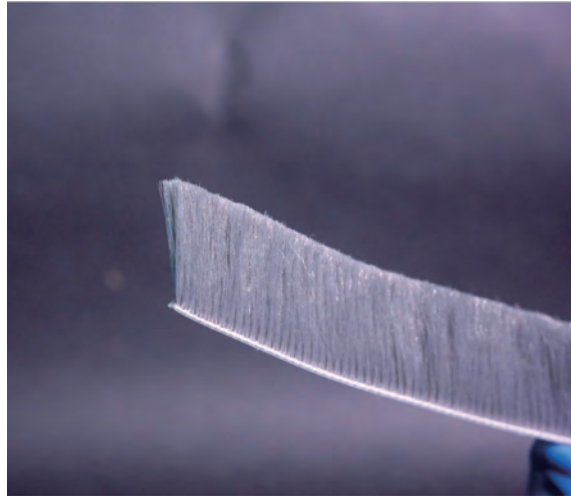


Installation Dimension: Unit(mm)			
Code	A	B	C
SC400-12"	305	222	30

★ Note: Retractable Pegstay Should Work With The Friction Stay.

Bristle Weatherstrip

PB: High-elasticity and high-density series- basic sealing type



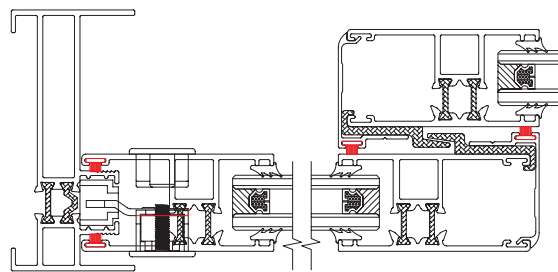
Example craft: 3P2L

Example craft: 3P3L

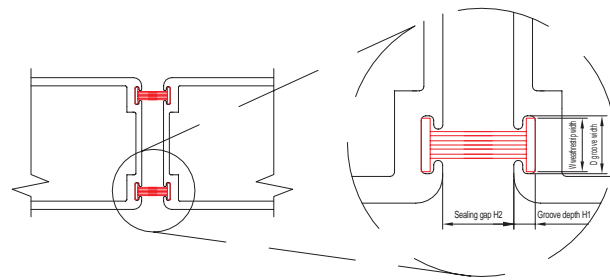
Code	Value (MM)	Dimension deviation (MM)
W	5-6	±0.15
D	1.9	±0.2
S	0.75	±0.15
H	≤8	±0.25
	> 8	±0.5

D1:D2≥2:1/1:2

Single weatherstrip(sealing between frame and sash) sealing form



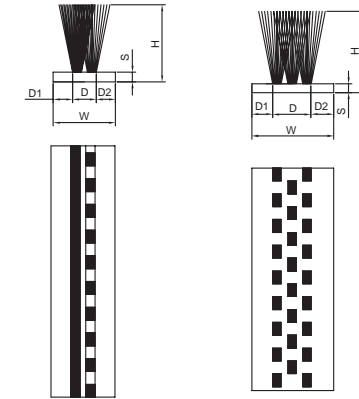
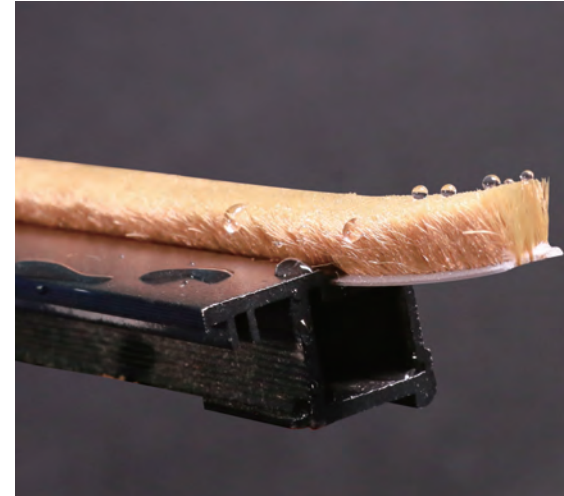
Single weatherstrip(sealing between frame and sash) sealing form



- ◆ Features: special yarns, high density, high elasticity
- ◆ W(weatherstrip width): 4-30MM, H(weatherstrip height): 3.5-25MM

Bristle Weatherstrip

SP: High-elasticity&siliconized series-basic waterproof type



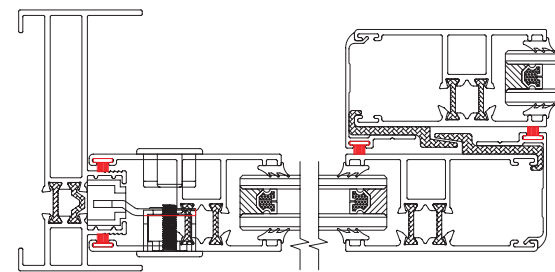
Example craft: 3P2L

Example craft: 3P3L

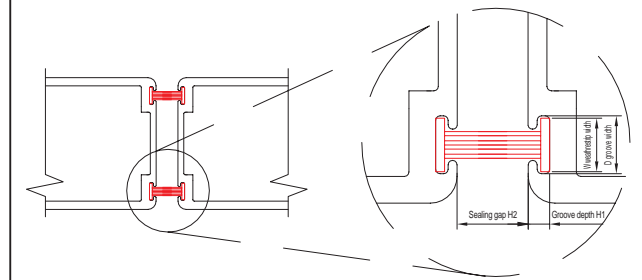
Code	Value (MM)	Dimension deviation (MM)
W	5-6	±0.15
D	1.9	±0.2
S	0.75	±0.15
H	≤8	±0.25
	> 8	±0.5

D1:D2≥2:1/1:2

Single weatherstrip(sealing between frame and sash) sealing form



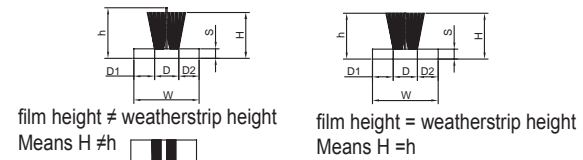
Double weatherstrip(sealing between sash and sash) sealing form



- ◆ Features: special yarns, high density, high elasticity, waterproof, antiaging
- ◆ W(weatherstrip width): 4-30MM, H(weatherstrip height): 3.5-25MM

Bristle Weatherstrip

FN: Silicon plus film series- upgraded waterproof type

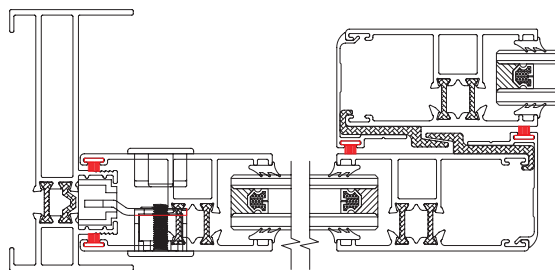


Example craft: 4P2L

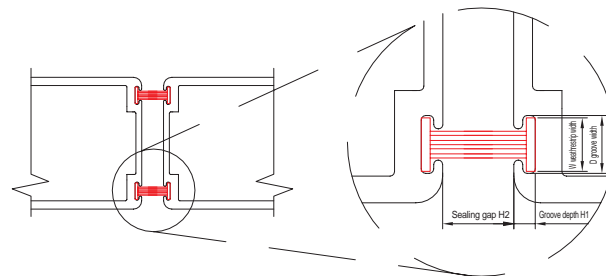
Code	Value (MM)	Dimension deviation (MM)
W	5-8	±0.15
D	2.5	v±0.2
S	0.75	±0.15
H	≤8	±0.25
	> 8	±0.5
h	5-20	±0.5

D1:D2≥2:1/1:2

Single weatherstrip(sealing between frame and sash) sealing form



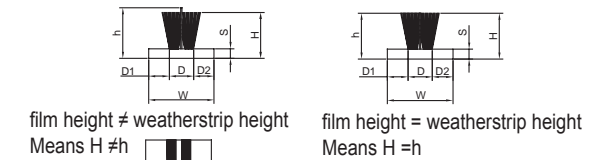
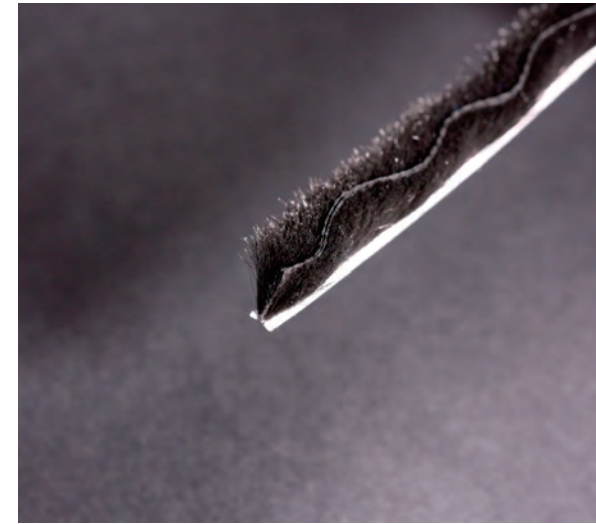
Double weatherstrip(sealing between sash and sash) sealing form



- ◆ Features: special yarns, high density, high elasticity, waterproof, anti-aging, good sealing performance
- ◆ W(weatherstrip width): 4-30MM, H(weatherstrip height) : 3.5-25MM

Bristle Weatherstrip

QF: Silicon plus cloth series- Sealing mute type

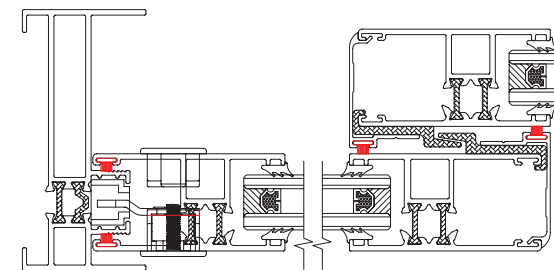


Example craft: 4P2L

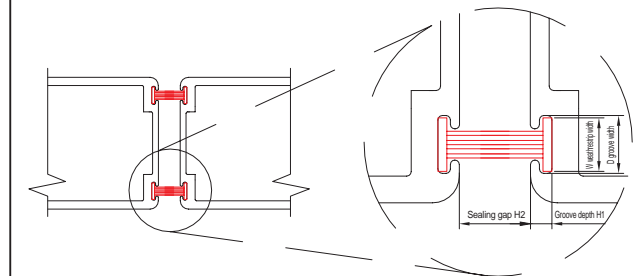
Code	Value (MM)	Dimension deviation (MM)
W	5-6	±0.15
D	1.9	v±0.2
S	0.75	±0.15
H	≤8	±0.25
	> 8	±0.5

D1:D2≥2:1/1:2

Single weatherstrip(sealing between frame and sash) sealing form



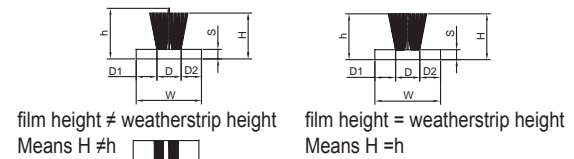
Double weatherstrip(sealing between sash and sash) sealing form



- ◆ Features: special yarns, high density, high elasticity, waterproof, anti-aging, good sealing performance
- ◆ W(weatherstrip width): 4-30MM, H(weatherstrip height) : 3.5-25MM

Bristle Weatherstrip

GN: High-elastic plus film series-upgraded sealing type

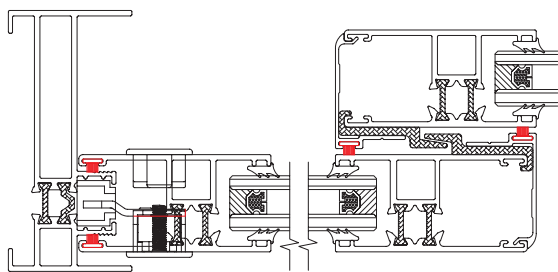


Example craft: 4P2L

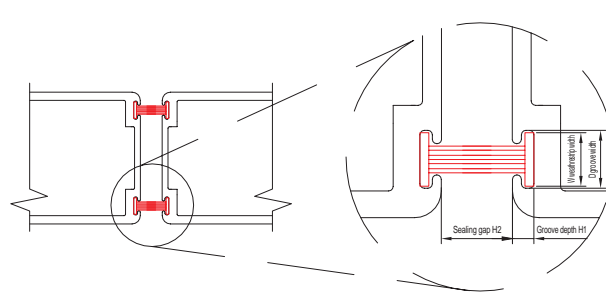
Code	Value (MM)	Dimension deviation (MM)
W	5-8	±0.15
D	2.5	±0.2
S	0.75	±0.15
H	≤8	±0.25
	> 8	±0.5
h	5-20	±0.5

D1:D2≥2:1/1:2

Single weatherstrip(sealing between frame and sash) sealing form



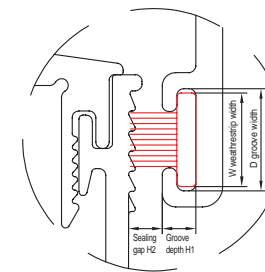
Double weatherstrip(sealing between sash and sash) sealing form



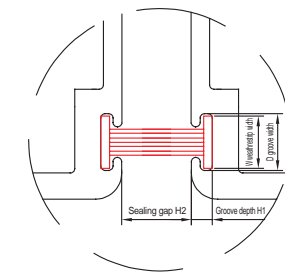
- ◆ Features: special yarns, high density, high elasticity, waterproof, anti-aging, good sealing performance
- ◆ W(weatherstrip width): 4-30MM, H(weatherstrip height) : 3.5-25MM

Weatherstrip Configuration

Single weatherstrip(sealing between frame and sash) sealing form



Double weatherstrip(sealing between sash and sash) sealing form

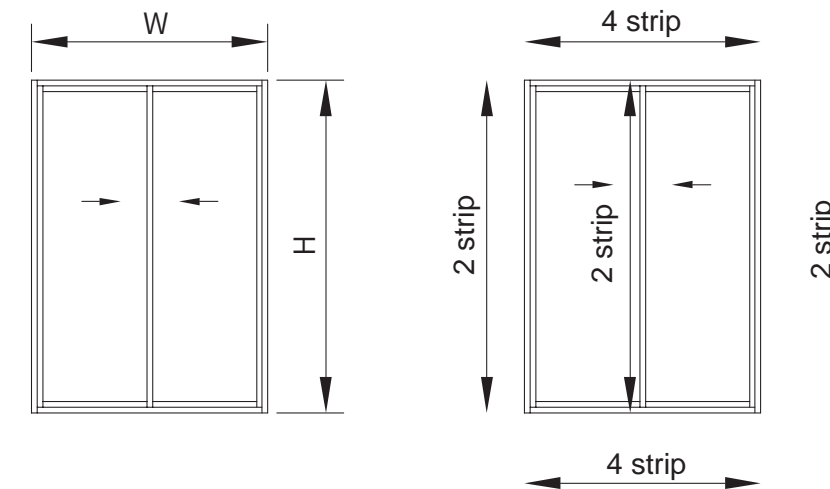


Calculation formula for weatherstrip selection	
Single weatherstrip(sealing between frame and sash) sealing form	Double weatherstrip(sealing between sash and sash) sealing form
W(weathrestrip width)=D (groove width)- about 0.5	W(weathrestrip width)=D (groove width)- about 0.5
H(weathrestrip height)= h1(groove depth)+ h2(sealing gap)+ (1 to 2mm)	H(weathrestrip height)= [2*h1(groove depth)+ h2(sealing gap)]/2+ (1 to 2mm)

Calculation formula for weatherstrip dosage

- ◆ As the below sliding door shows, conform the sliding door size firstly: door height H, door width W. Confirm the dosage of door sash and frame based on the profile.

$H^* (2+2+2) + W^* (4+4)$



- ◆ For sliding doors and windows, the using amount of sealing weatherstrip is related to the size of the doors and windows and the number of sealing weatherstrip installed. The larger the size is, the more the sealing weatherstrip position is designed, the larger the overall consumption, and vice versa.
- ◆ The reference dosage of the sealing weatherstrip of a double-leaf sliding door is about 20 meters.
- ◆ The reference dosage of a double-sash sliding window is about 15 meters.
- ◆ MOQ for each item is 20000 meters.