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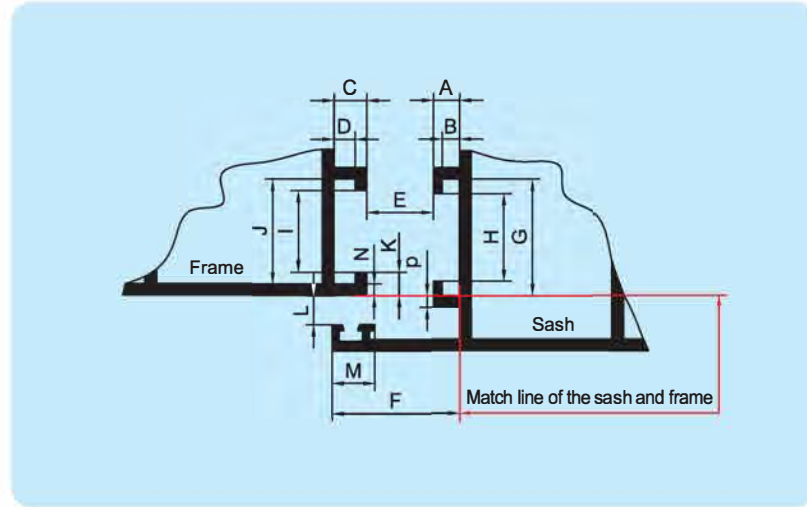
Aluminium Door & Window Hardware Typical Product Catalogue



Aluminium Door & Window Hardware
Typical Product Catalogue

Designing requirements for notch of profile to match with hardware

1. Standard 20c groove profile for open-in side hung, Turn-and-Tilt window
 Note: All sizes are after surface treatment (like electrophoresis, spray coating etc.)

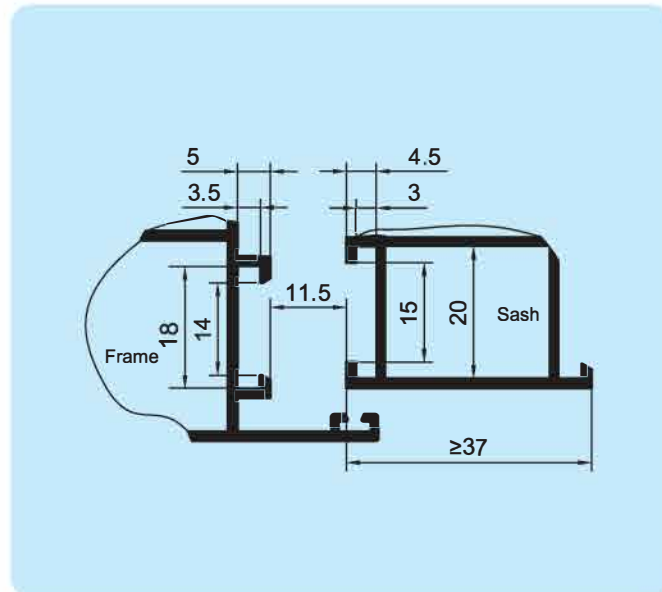


◆Note

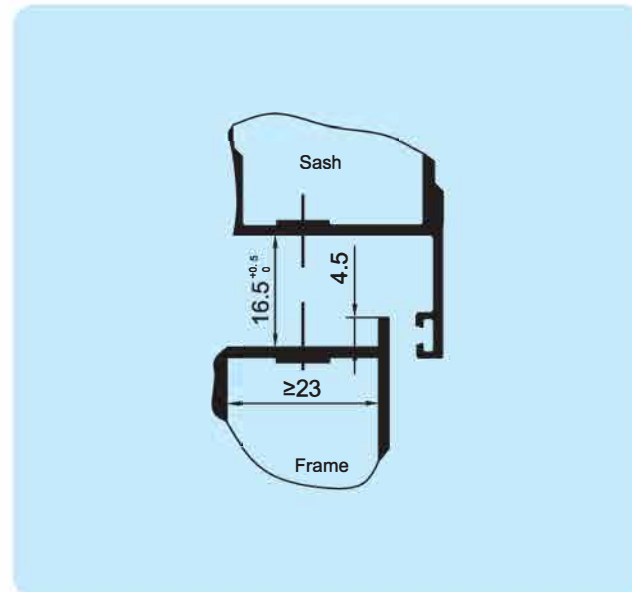
A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
4.5	3	5	3	11.5	22	$20^{+0.3}_{-0.1}$	$15^{+0.3}_{-0.1}$	$14^{+0.3}_{-0.1}$	$18^{+0.3}_{-0.1}$	4	5	7.5	2	2

2. Standard 20C Groove profile for open-out window

dimensions for profile to match with lock block and transmitters

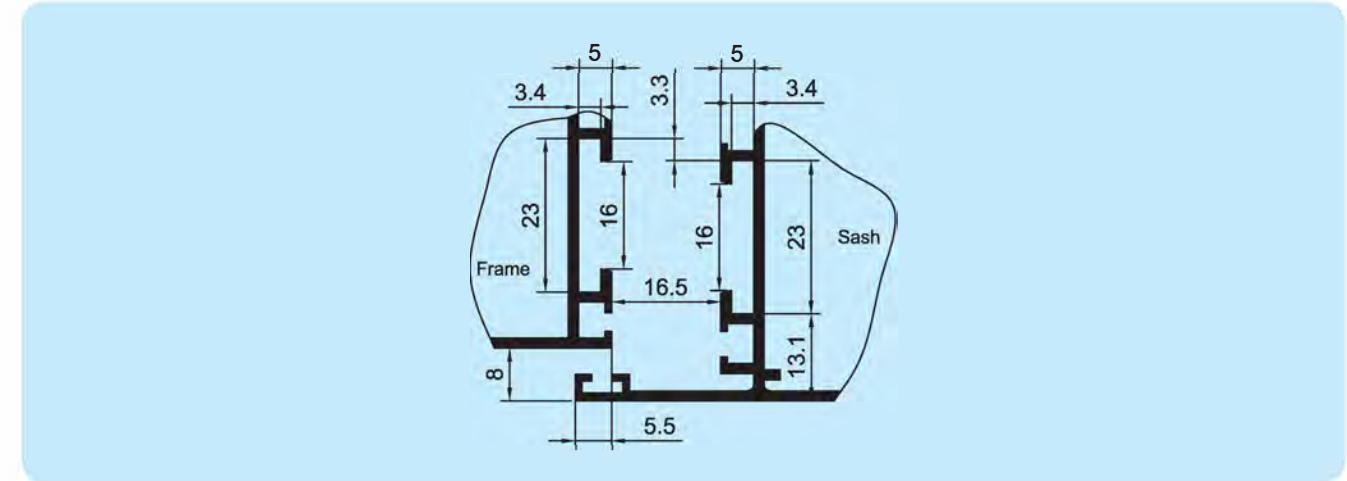


dimensions for profile to match with friction stay

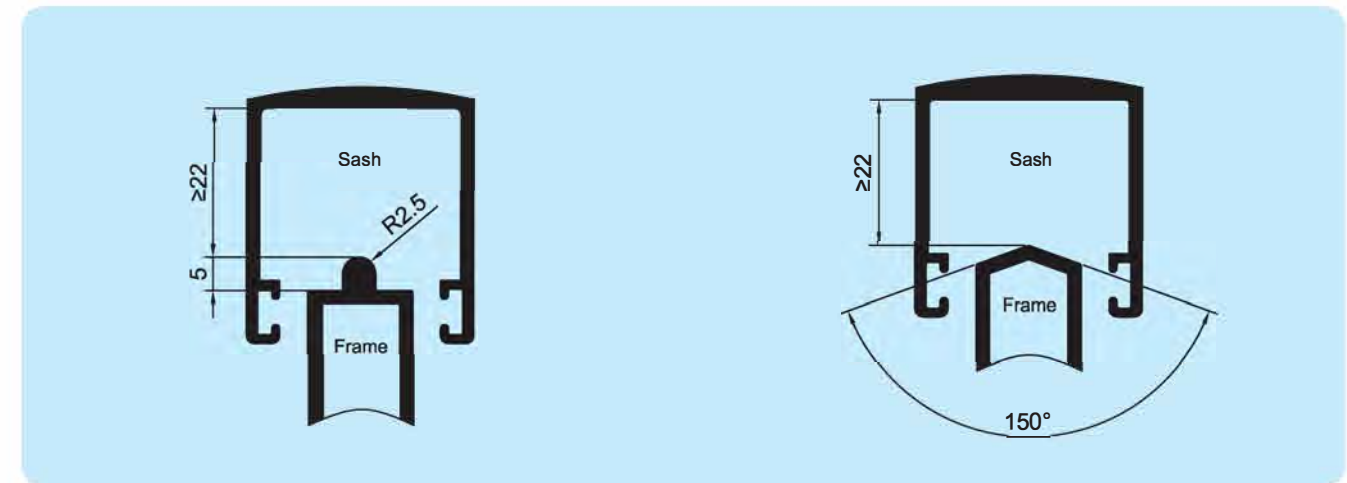


Designing requirements for notch of profile to match with hardware

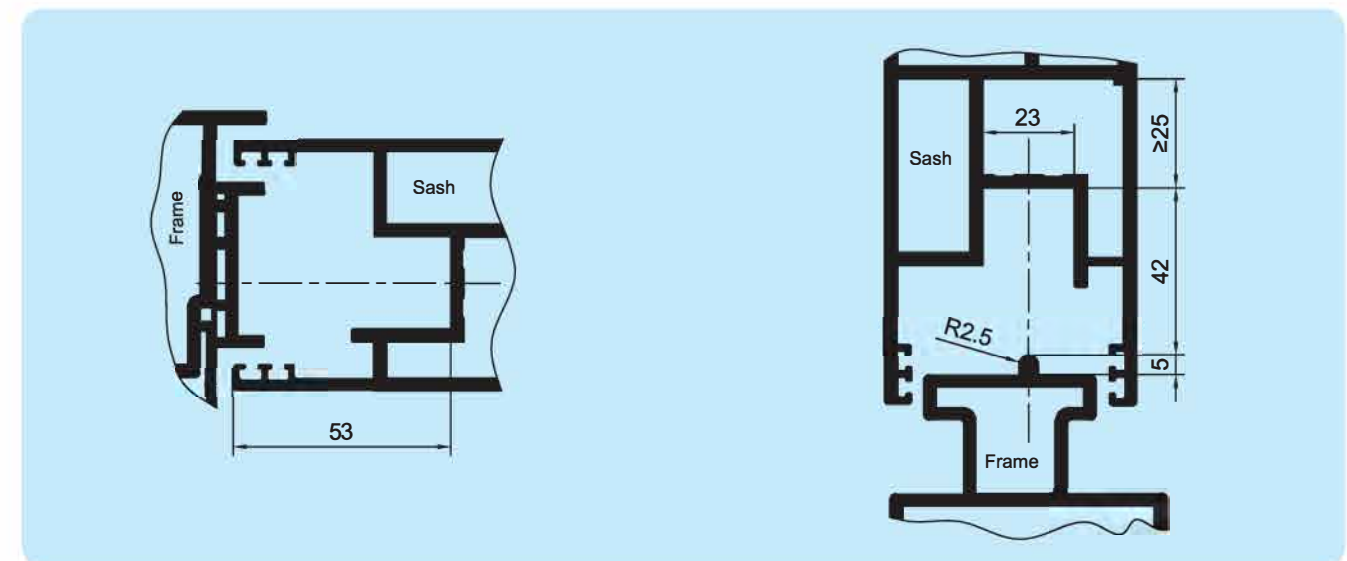
3. Standard 23C Groove window profile



4. Standard sliding window&door profile



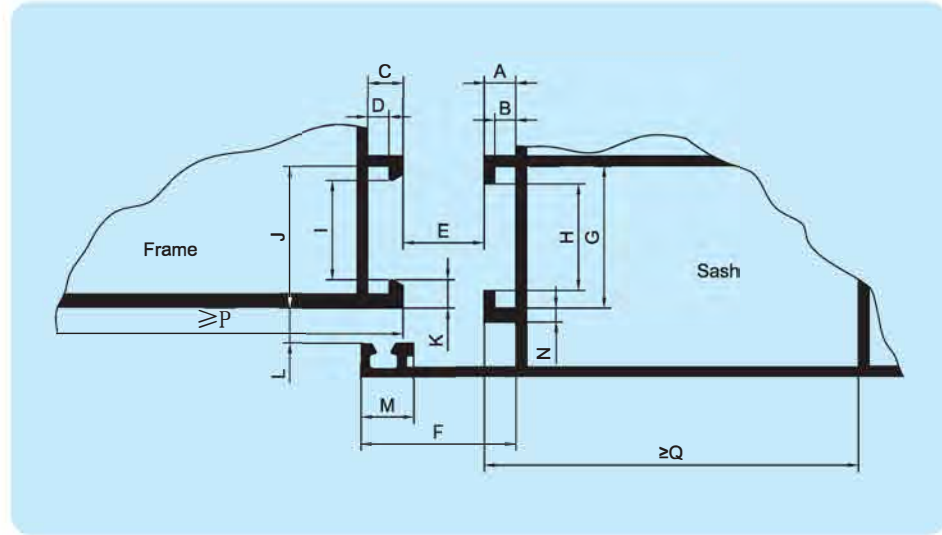
5. Standard lift-sliding door profile



Designing requirements for notch of profile to match with hardware

I. Aluminium window series

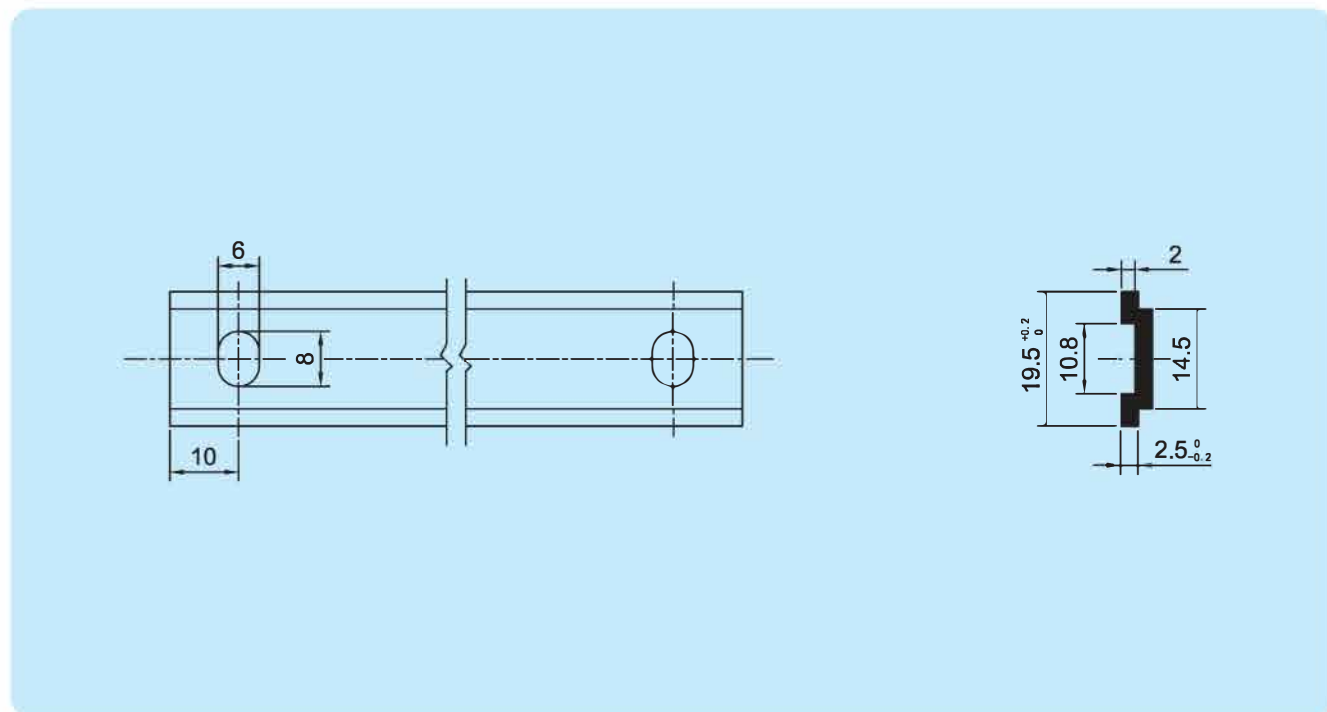
6. Standard 20c Groove window profile for side hung door



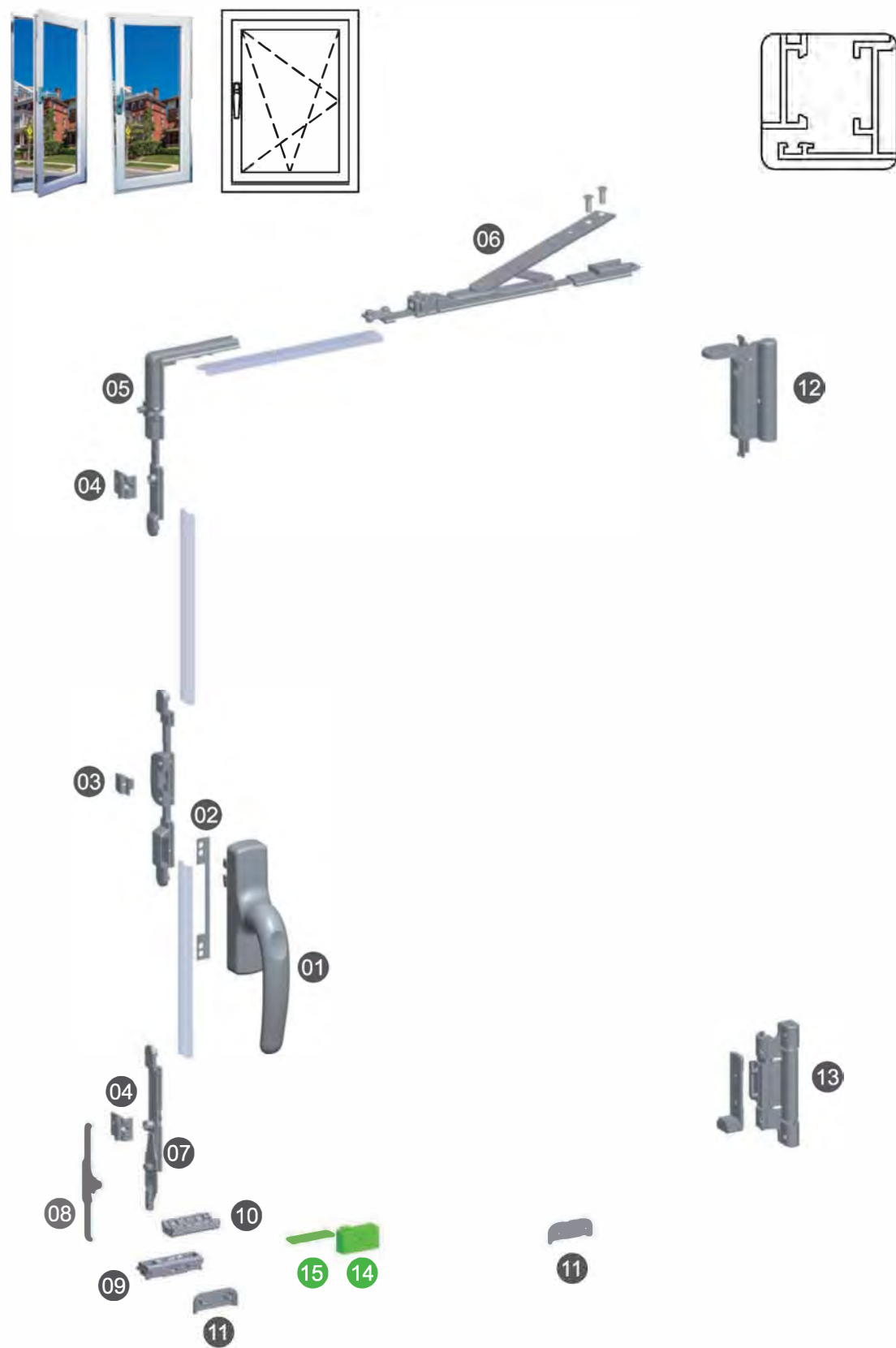
◆Note

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

7. Transmitter dimensions to match with standard 20c profile for side hung door&window



**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	CZS08	1	Optional ①
02	Loose Preventer	FSP10	1	
03	Misuse transmission rod	FWG10	1	Include small locking plate
04	Lock Plate	ZA1-6A	2	②
05	Corner Device	ZA1	1	
06	Small Connector Rod	LG11	1	③
07	Overturn Supporter	N50	1	
08	Disengagement Preventer	N31	1	
09	Supporting Block	LN54	1	
10	Cushion Block	N33	1	
11	Water Cap	FSG-01	2	
12	Upper Pivot Hinge	NDHA10	1	Left&Right ④
13	Bottom Pivot Hinge	NDHB10	1	
14	Safety Device	AQS10	1	⑤
15	Locking Plate	SK29	1	

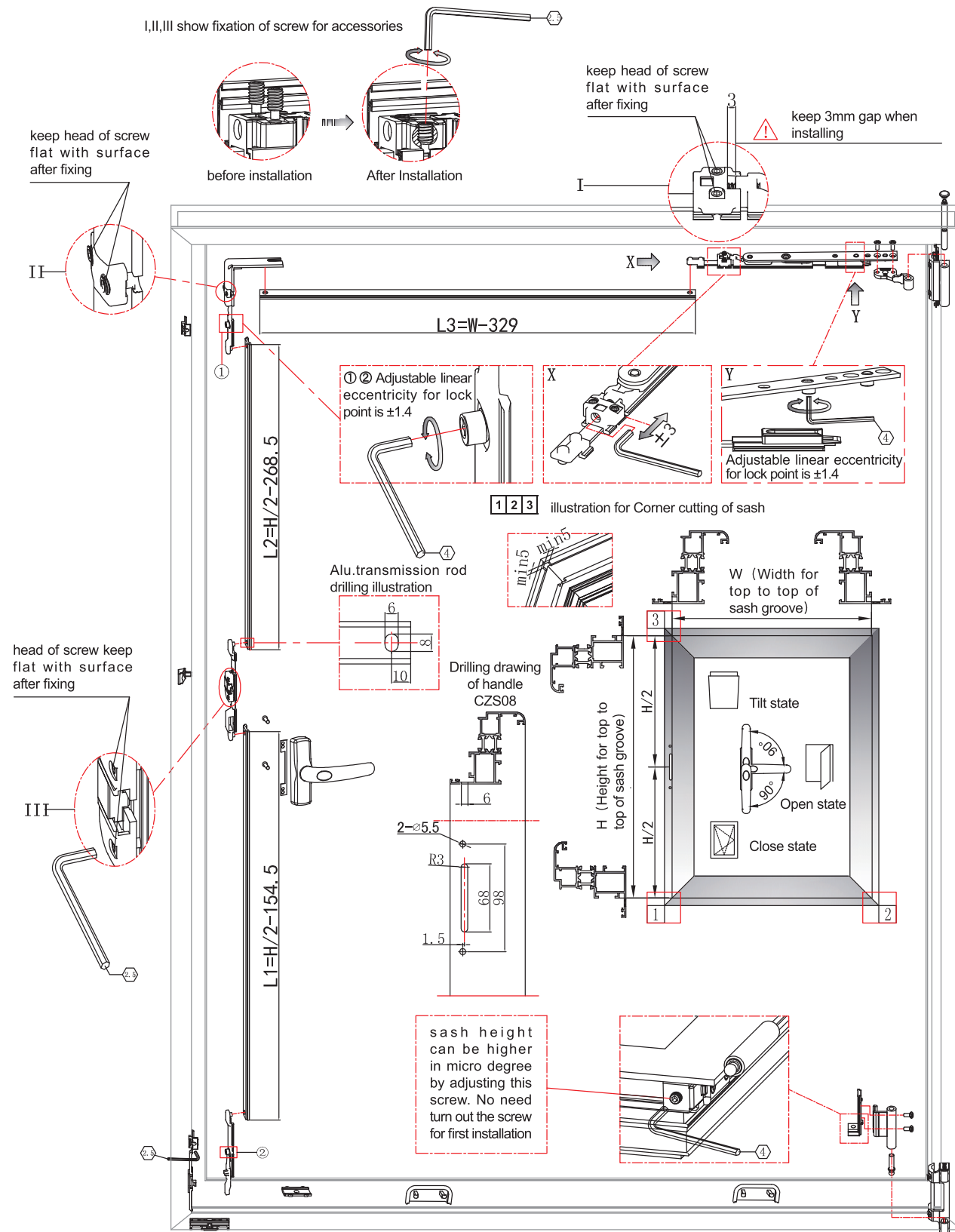
Optional handles for reference:



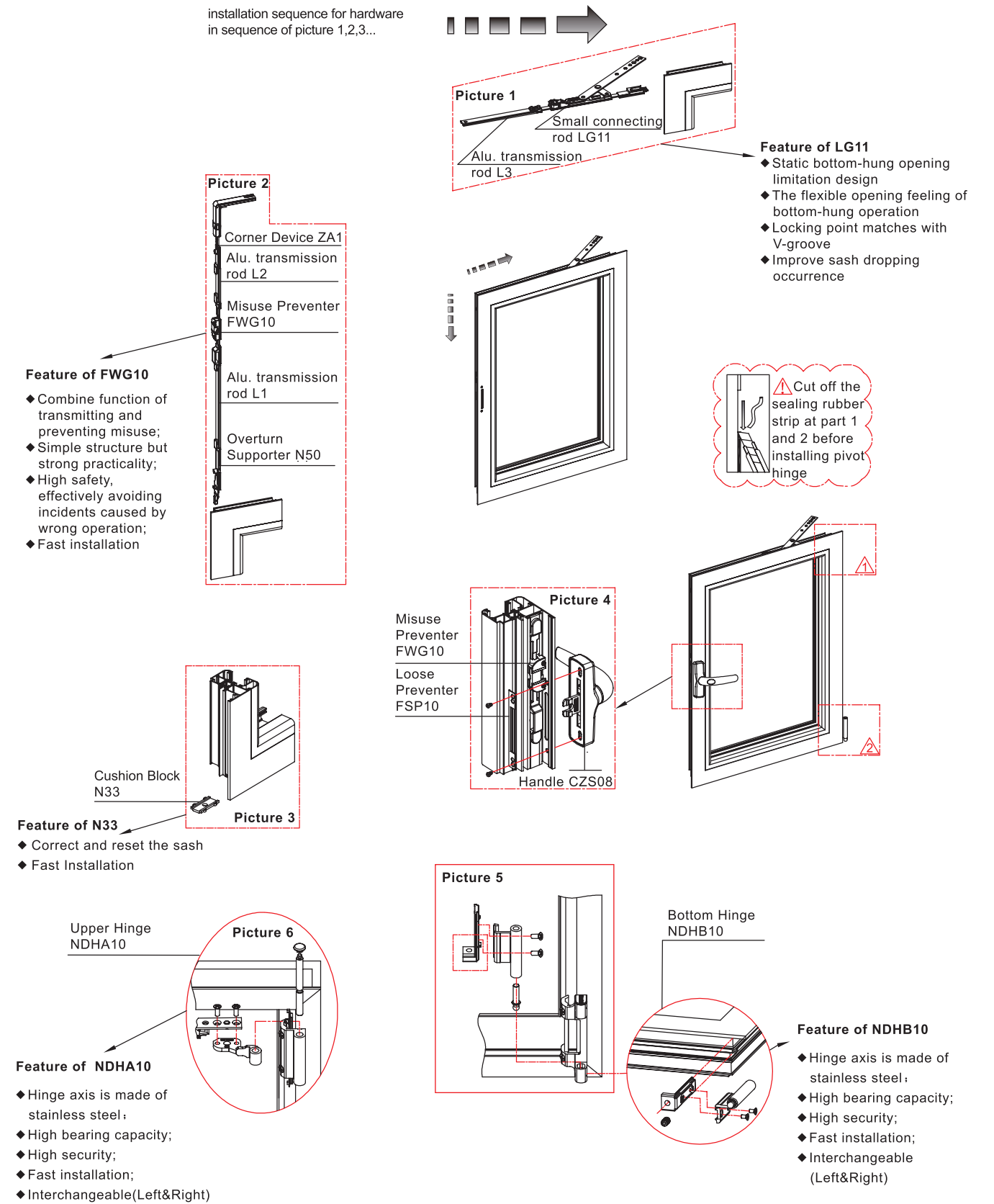
Configuration Instruction:

- ① Customers can select preferable handles taking reference to 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 380-450mm, item of Number 6 can be changed to LG10.
- ④ Basic load bearing capacity is 90KG, Suggested proportion of the width and height is 1.5:1
- ⑤ The Items with green color are optional hardware
- ★ Height and width are distances from sash groove top to groove top

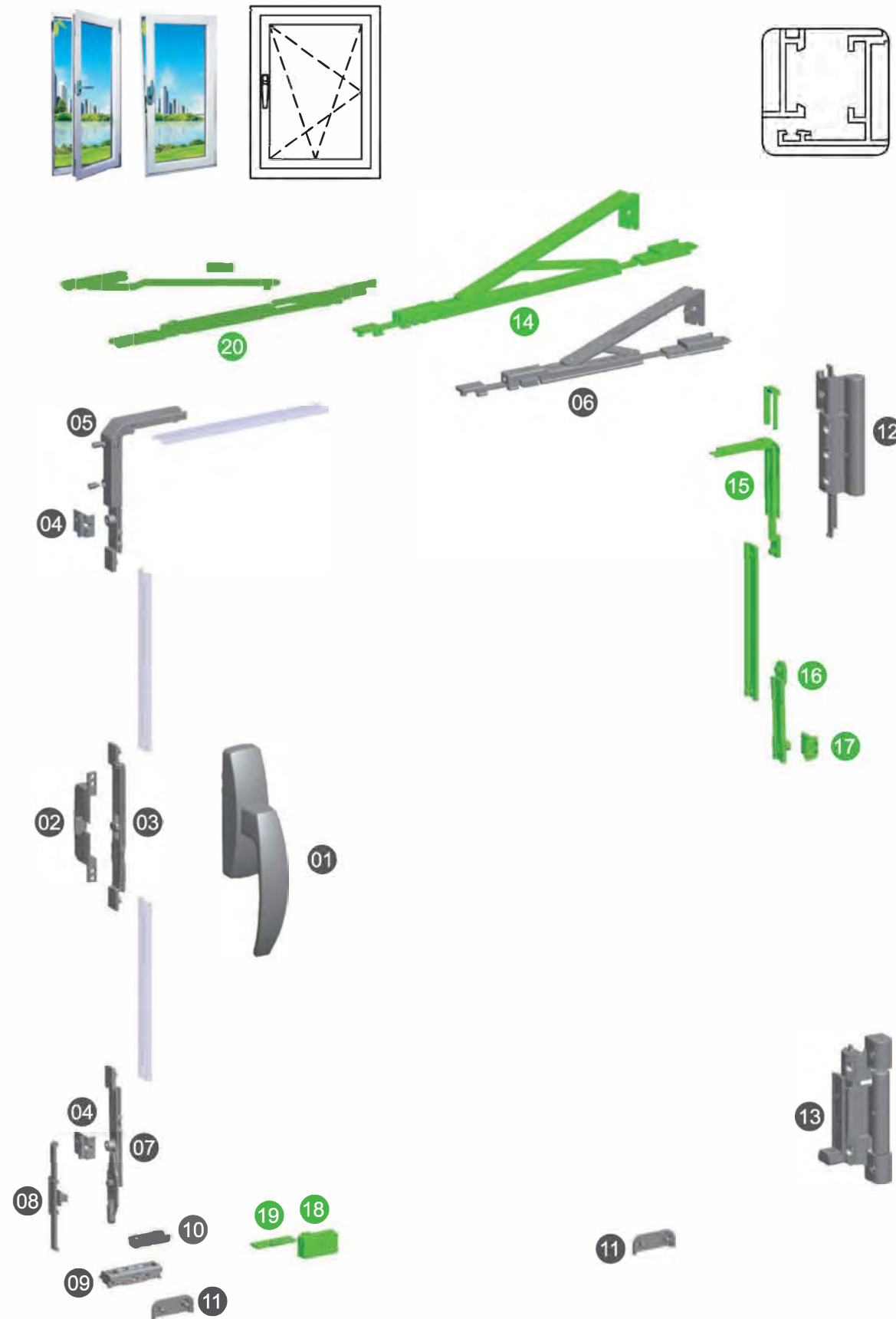
NPD100 Series Adjustment illustration for Turn-and-Tilt Window with Multi-Point Lock on 2 sides



NPD100 Series Installation illustration for Turn-and-Tilt Window with Multi-Point Lock on 2 sides



1-2 NPD150 Series Turn-and-Tilt Window with Multi-Point Lock on 2 sides



Hardware Configuration for NPD150 Series

Number	Product Name	Code	Quantity	Remark
01	Handle (Specification of screw is M5*14mm)	CZS27	1	Optional ①
02	Misuse Transmission Rod	FWG20	1	
03	Main Transmission Rod	N20	1	
04	Locking Plate	ZA1-6A	2	②
05	Corner Device	ZC1	1	
06	Small Connector Rod	LG51	1	③
07	Overturn Supporter	N53	1	
08	Disengagement Preventer	N31	1	
09	Supporting Block	LN54	1	
10	Cushion Block	N33	1	
11	Water Cap	FSG-01	2	
12	Upper Pivot Hinge	NDHA11	1	Left&Right ④
13	Bottom Pivot Hinge	NDHB11	1	
14	Big Connector Rod	LG52	1	⑤
15	Corner Device	ZB4	1	
16	Side Transmission Rod	N37A	1	
17	Locking Plate	ZA1-6A	1	
18	Safety Device	AQS10	1	
19	Locking Plate	SK29	1	
20	The Second Connector Rod	PDX-A	1	

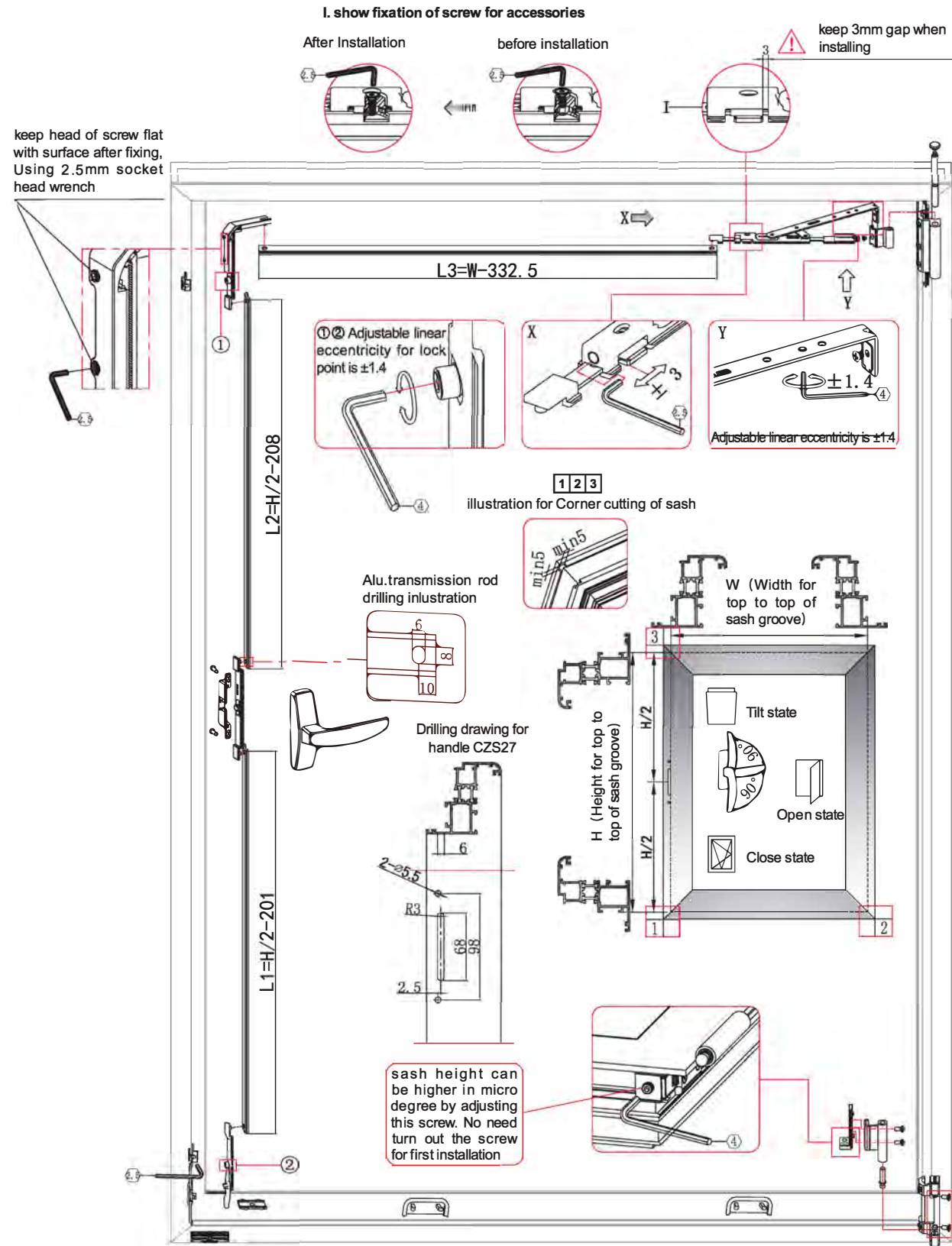
Optional handles for reference:

Handle CZS20	Handle CZS28	Handle CZS30S	Handle CZS31
			

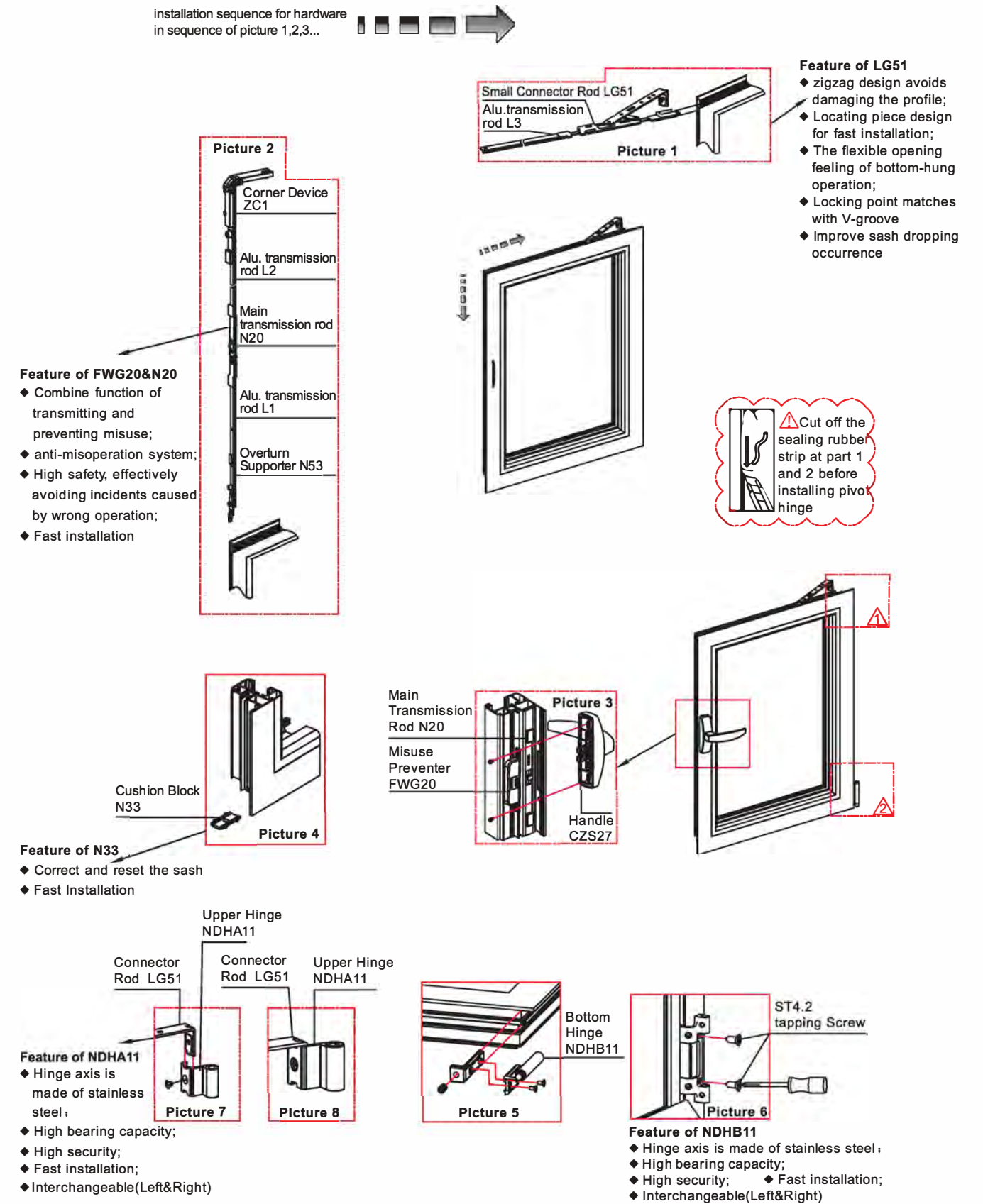
Configuration Instruction:

- ① Customers can select other handles according to the introduction for the handle series in catalogue .
- ② Recommended distance between lock points should be not more than 400mm
- ③ Suitable for window with width 450-650mm, and height 600-1800mm
- ④ Basic load bearing 90kg, the maximum load 130kg, we suggest that the proportion of window (height/width) is 1.5:1
- ⑤ The Items in green color are optional hardware, if window width 650-1000mm, please choose LG52, and if Width 1000-1600mm, please choose both LG52 and PDX-A
- ★ Height and width are distances from sash groove top to groove top.

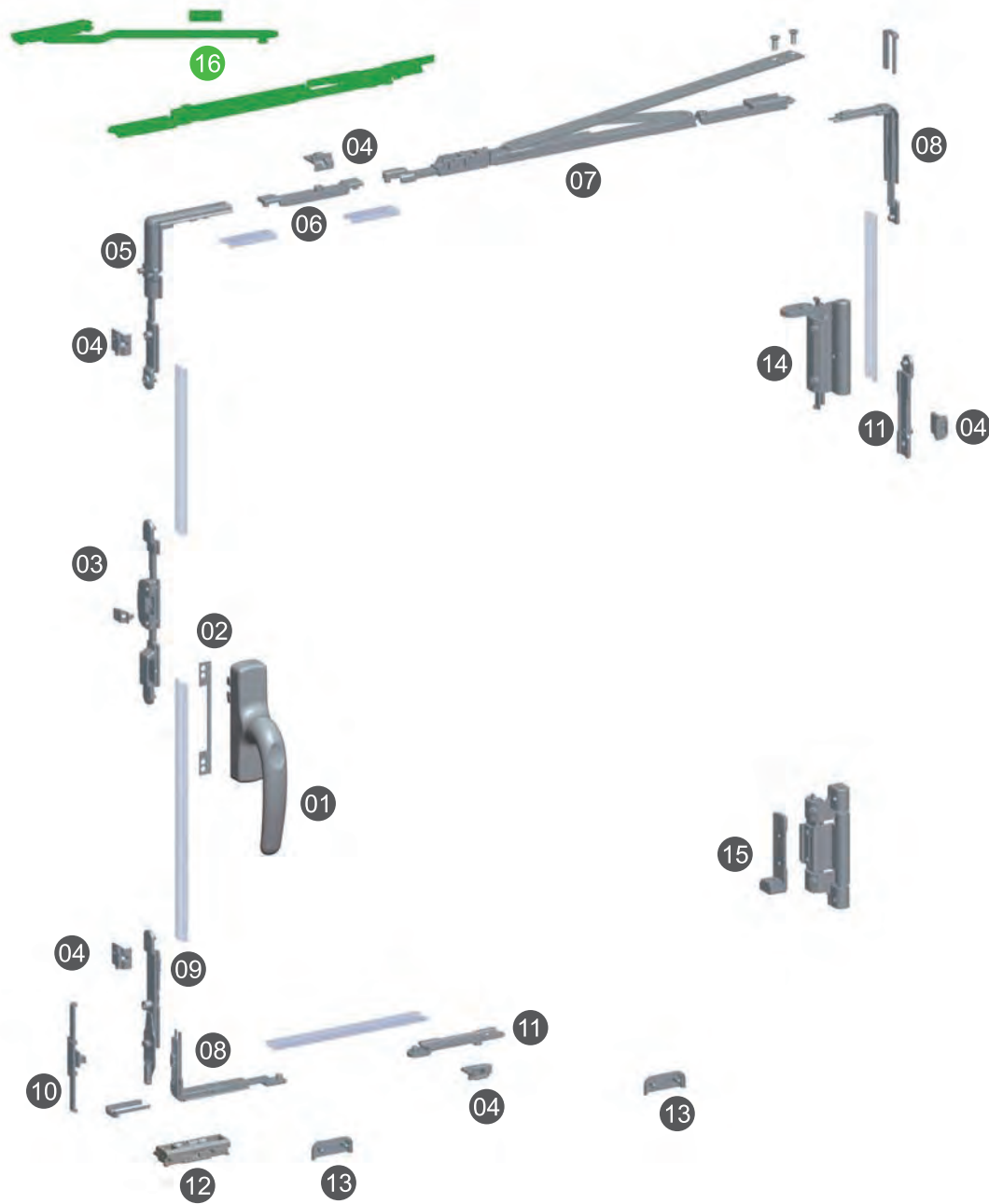
NPD150 Series Adjustment illustration for Turn-and-Tilt Window with Multi-Point Lock on 2 sides



NPD150 Series Installation illustration for Turn-and-Tilt Window with Multi-Point Lock on 2 sides



1-3 NPD200 Series Turn-and-Tilt Window with Multi-Point Lock on 4 sides

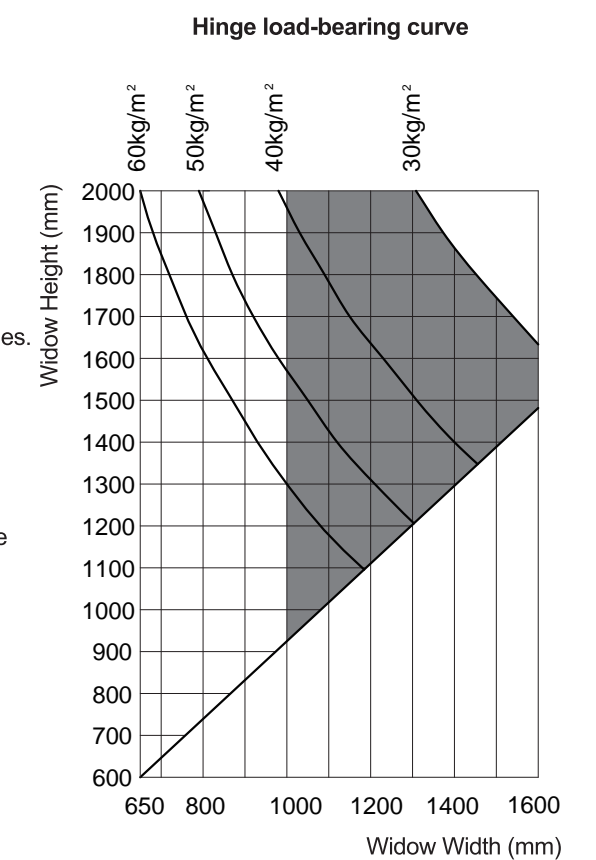


Hardware Configuration for NPD200 Series

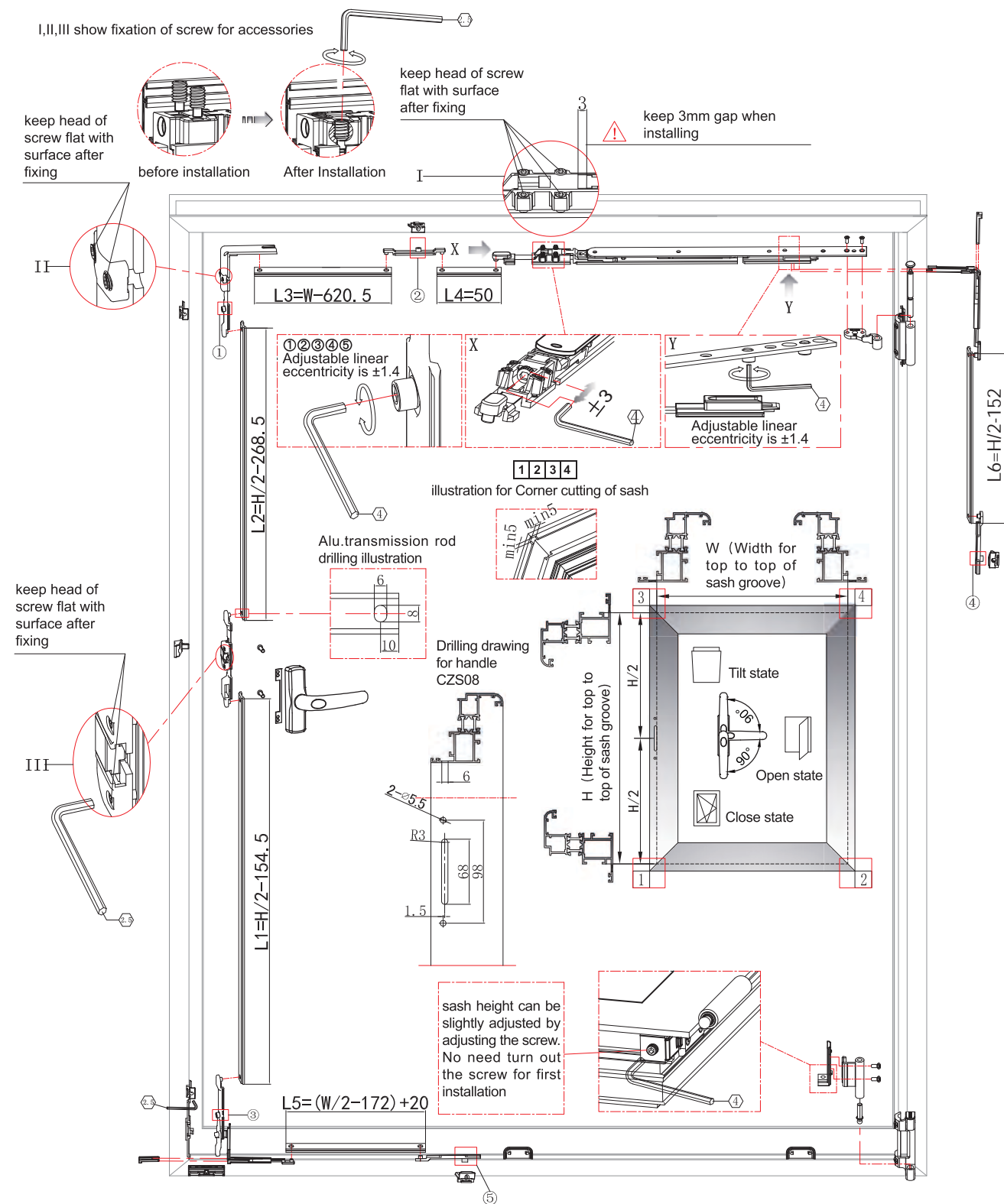
Number	Product Name	Code	Quantity	Remark
01	Handle	CZS08	1	Optional ①
02	Loose Preventer	FSP10	1	
03	Misuse Transmission Rod	FWG10	1	Include small locking plate
04	Locking Plate	ZA1-6A	5	②
05	Corner Device	ZA2	1	
06	Middle Transmission Rod	N36A	1	
07	Top Connector Rod	N8B	1	③
08	Small Corner Device	ZB1	2	
09	Overturn Supporter	N50	1	
10	Disengagement Preventer	N31	1	
11	Side Transmission Rod	N37A	2	
12	Supporting Block	LN54	1	
13	Water Cap	FSG-01	2	
14	Upper Pivot Hinge	NDHA10	1	Left&Right
15	Bottom Pivot Hinge	NDHB10	1	
16	Secondary Connector Rod	PDX-A	1	

Configuration Instruction:

- ① Customers can select preferable handles taking reference to handle series.
- ② Recommended distance between lock points should be $\leq 400\text{mm}$.
- ③ According to unit sash weight(Kg/m^2) to select the corresponding sash size, please refer to the right drawing.
- ④ The shaded area needs to be added Second connecting rod.
- ⑤ This chart is applicable to Turn & Tilt Window, Tilt & Turn Window (include French Window) and conventional window types except Arc Window, Trapezium Window.
- ★ Height and width are distances from sash groove top to groove top.



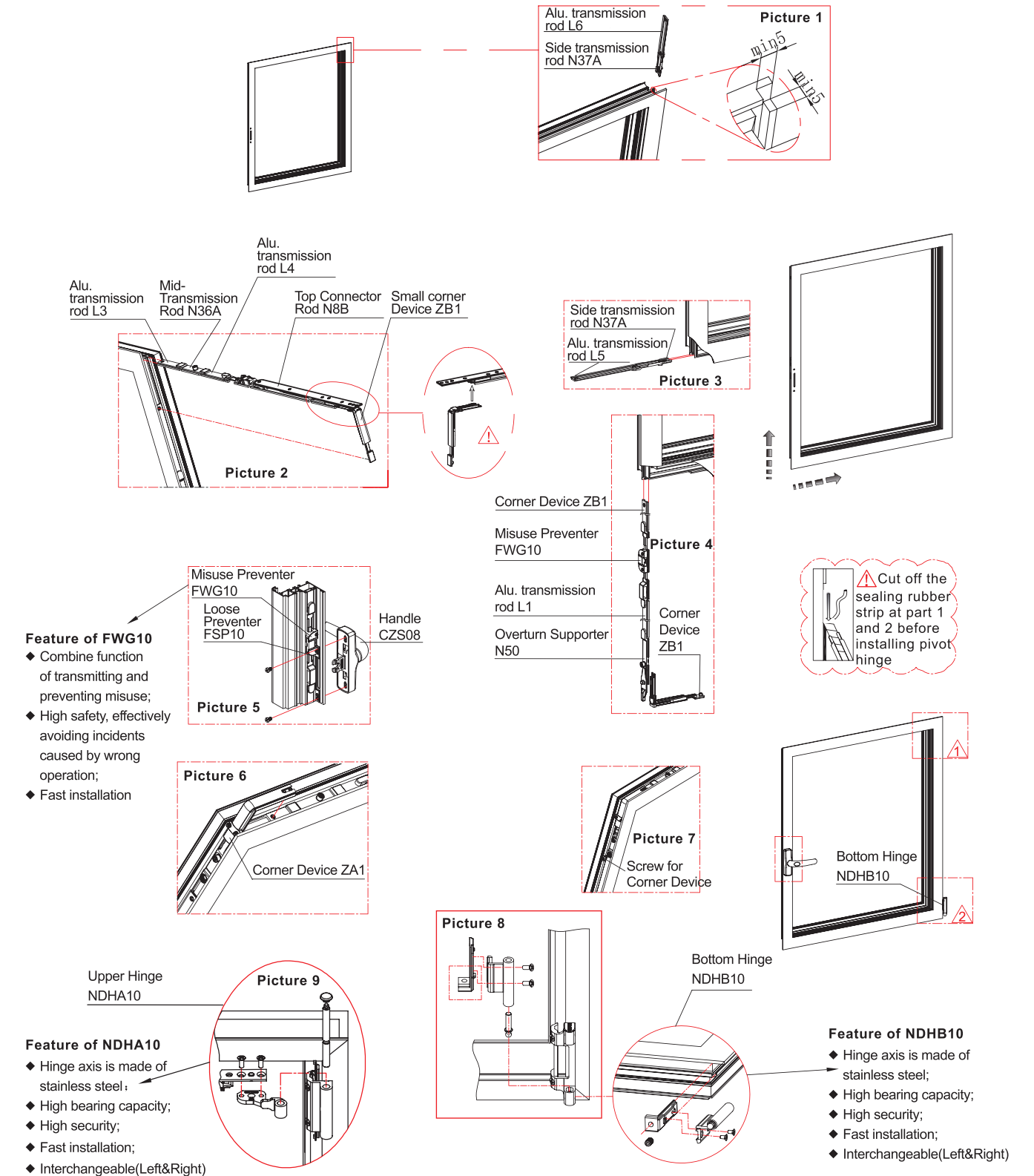
NPD200 Series Adjustment illustration for Turn-and-Tilt Window with Multi-Point Lock on 4 sides



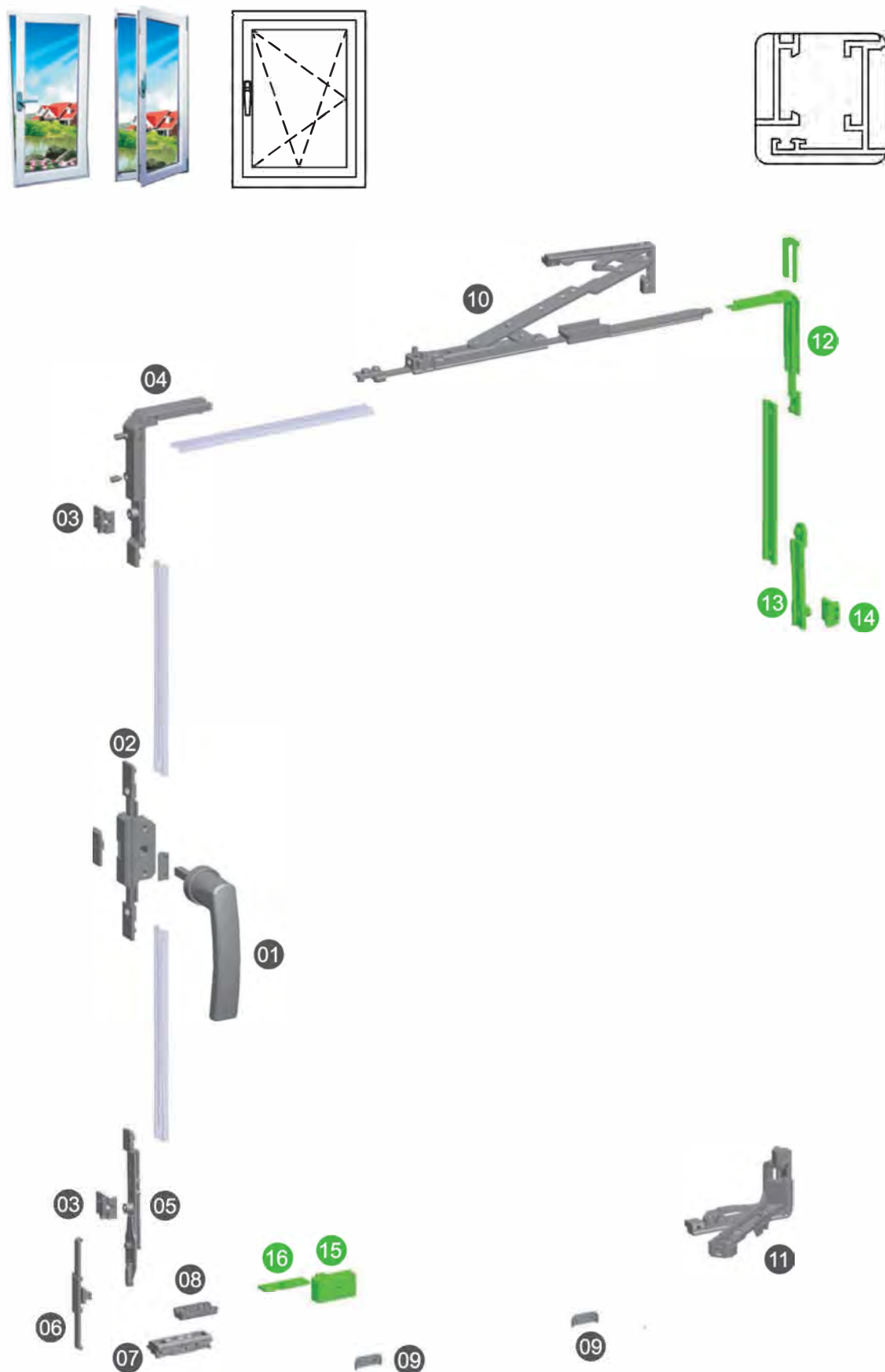
Note: "○" stands for specification for socket head wrench

NPD200 Series Installation illustration Turn-and-Tilt Window with Multi-Point Lock on 4 sides

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



1-4 NPD300 Series Concealed Turn-and-Tilt Window with Multi-Point Lock on Multi sides



Hardware Configuration for NPD300 Series

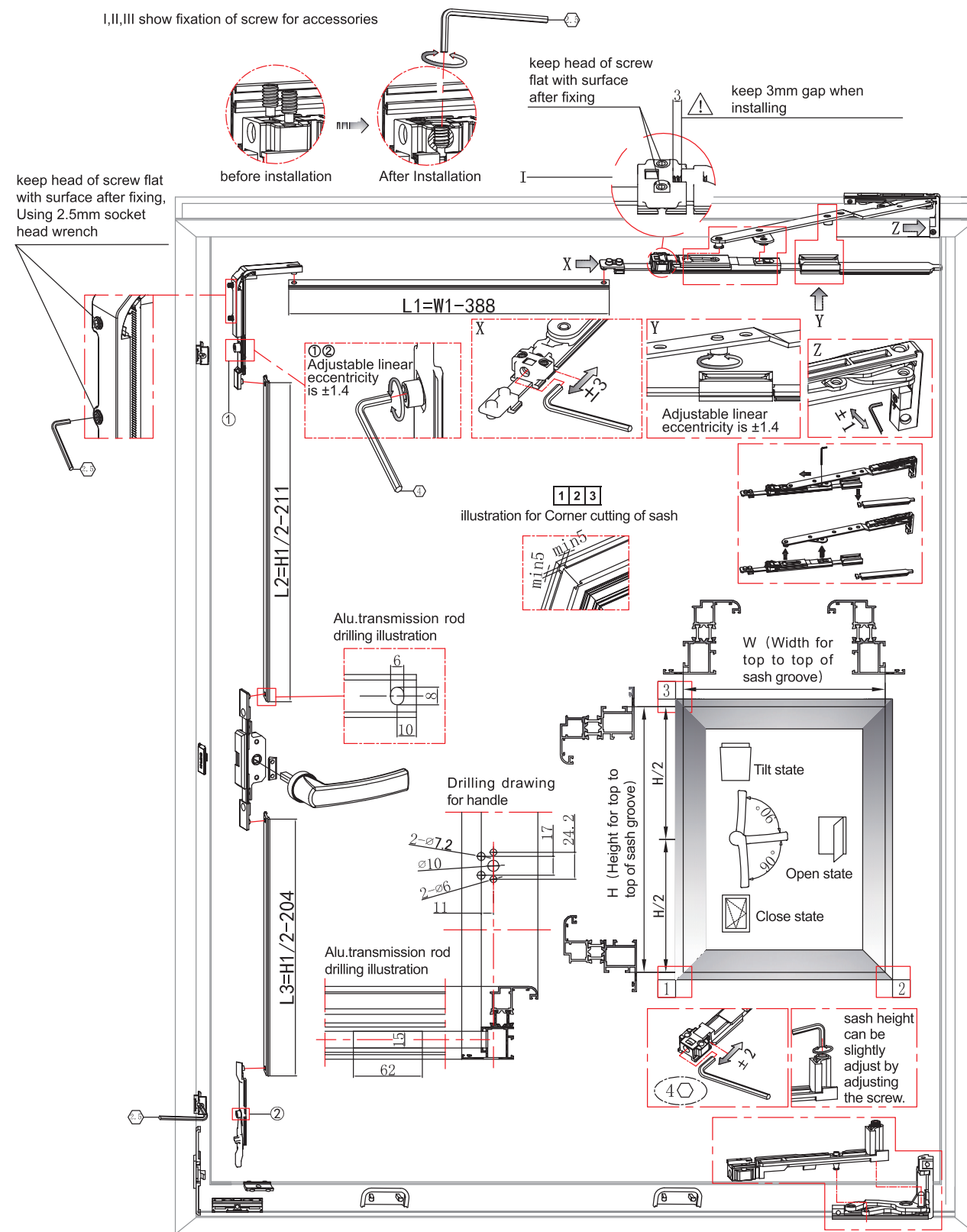
Number	Product Name	Code	Quantity	Remark
01	Handle	FZS11	1	
02	Transmitter	CDQ30	1	including anti-operation lock block
03	Locking Plate	ZA1-6A	2	①
04	Corner Device	ZC1	1	
05	Overturn Supporter	N53	1	
06	Disengagement Preventer	N31	1	
07	Supporting Block	LN54	1	
08	Cushion Block	N33	1	
09	Water Cap	FSG-01	2	
10	Upper Pivot Hinge	YHPS10	1	Left&Right ②
11	Bottom Pivot Hinge	YHDX10	1	
12	Corner Device	ZB1	1	③
13	Side Transmission Rod	N37A	1	
14	Locking Plate	ZA1-6A	1	
15	Safety Device	AQS10	1	
16	Locking Plate	SK29	1	

Configuration Instruction:

- ① Recommended distance between lock points should be $\leq 400\text{mm}$
- ② Sash dimensions as follow: width 550-800mm, height 600-1500mm. Maximum load bearing capacity is 90KG.
Suggested proportion of the width and height is 1.5:1
- ③ Items in green are optional
- ④ When multi-lock points on four sides are used, the hardware YHDS10 should be replaced by YHDS11
- ★ Height and width are distance from sash groove top to groove top
- ★ There's no exposed portion outside the window after concealed hinge installed, which improves the performance of tightness and makes the door and window more energy saving and environment friendly. Handle base plate and hand hold are designed as one unit, which can reduce the exposing area and make window looks more beautiful.

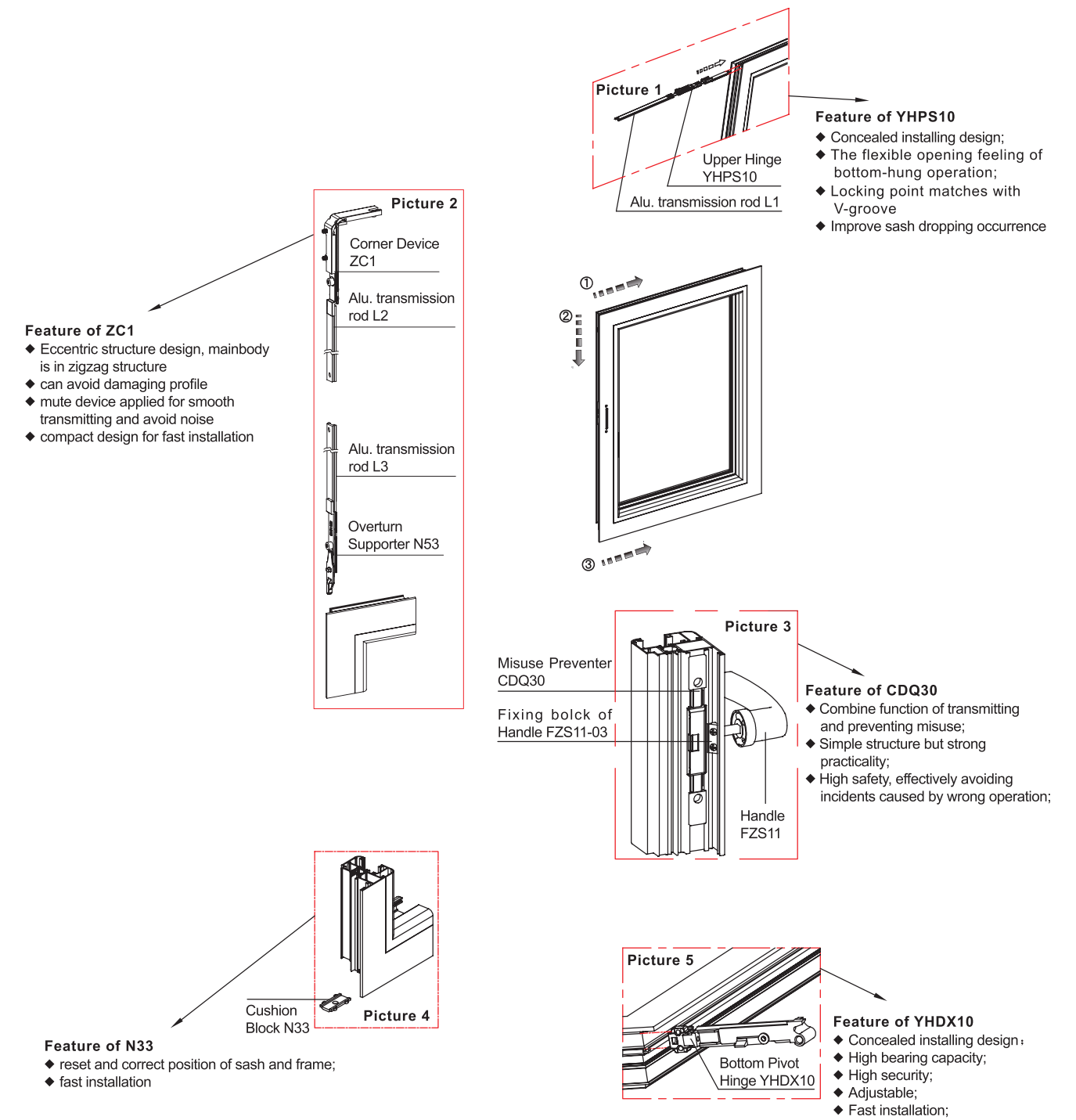


NPD300 Series Adjustment illustration for Concealed Turn-and-Tilt Window with Multi-Point Lock on Multi sides

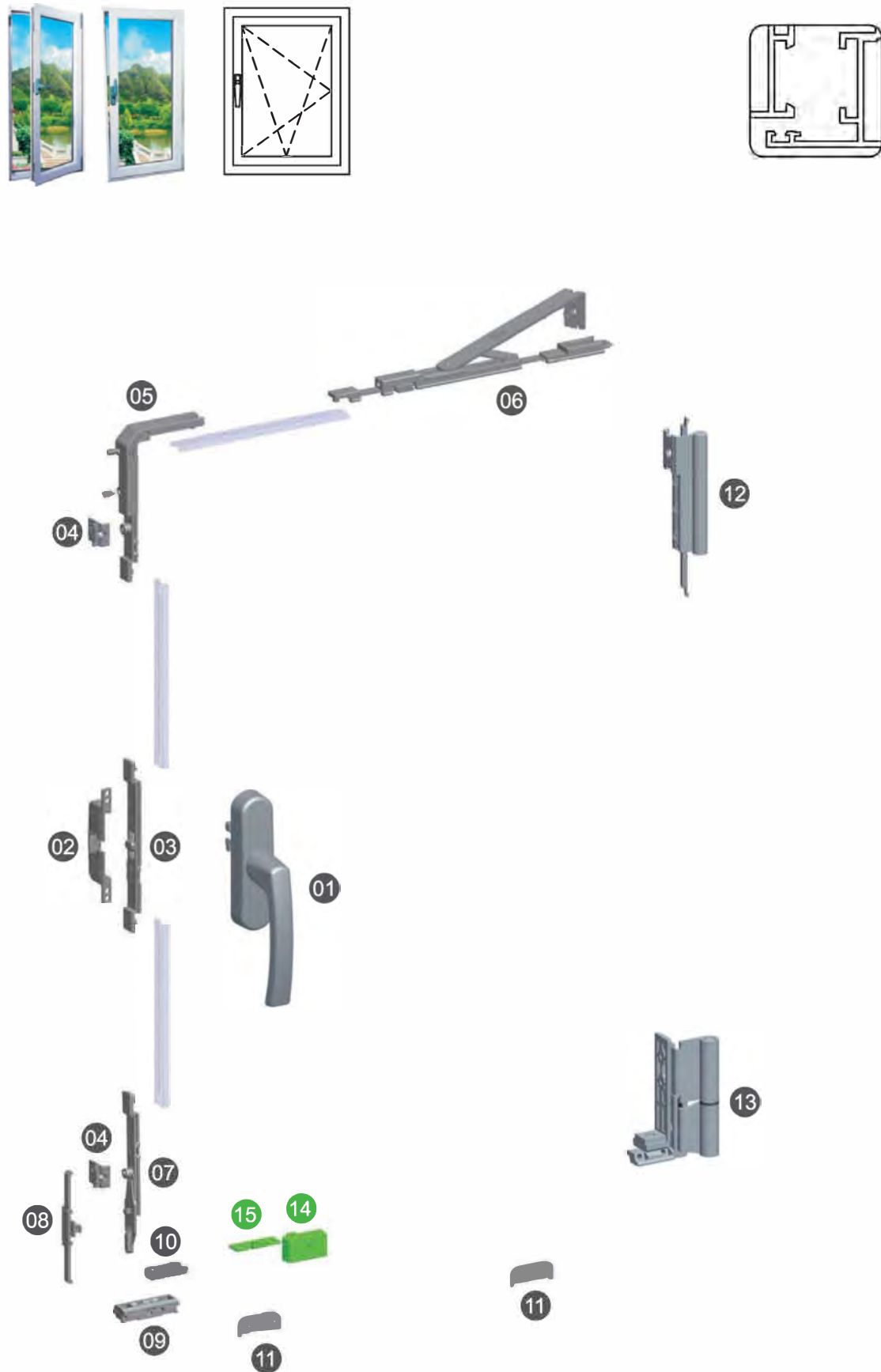


NPD300 Series Installation Illustration for Concealed Turn-and-Tilt Window with Multi-Point Lock on Multi sides

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



1-5 NPD500 Series Turn-and-Tilt Window with Multi-Point Lock on 2 sides



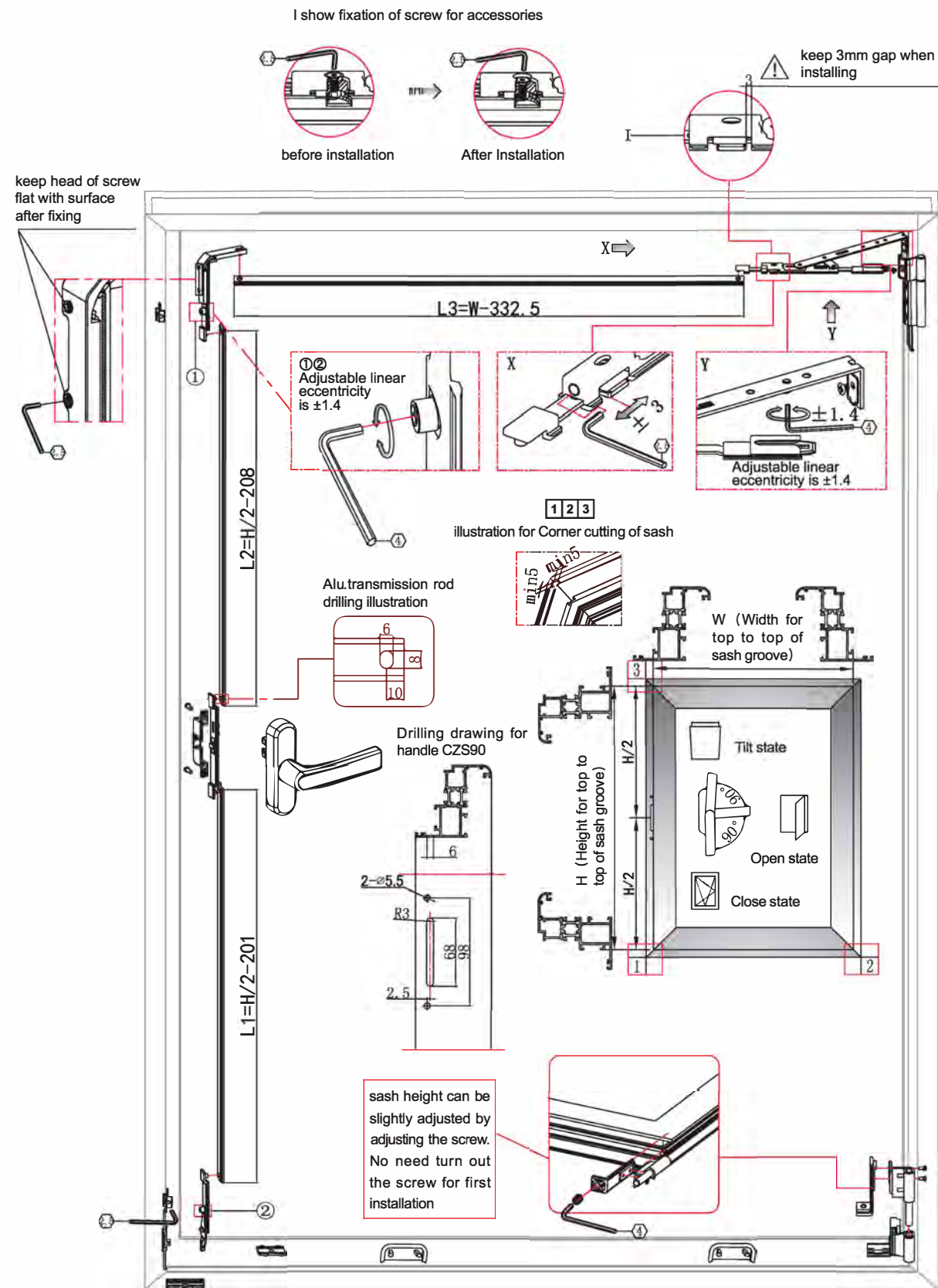
Hardware Configuration for NPD500 Series

Number	Product Name	Code	Quantity	Remark
01	Handle (Specification of screw is M5*14mm)	CZS90	1	Optional
02	Misuse Transmission Rod	FWG20	1	
03	Main Transmission Rod	N20	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	N33	1	
11	Water 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	

Configuration Instruction:

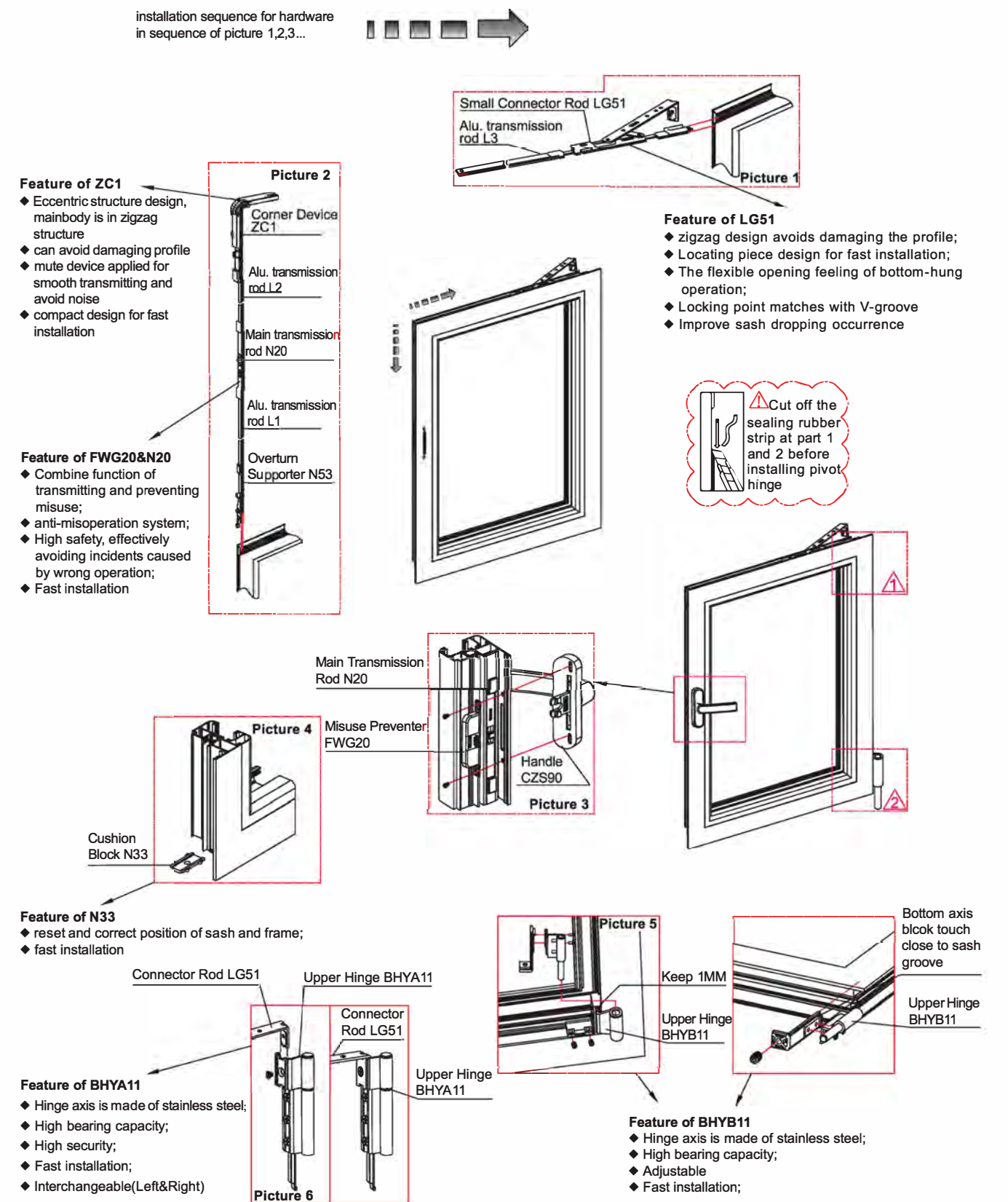
- ① Recommended distance between lock points should be $\leq 400\text{mm}$
- ② Sash dimensions as follow:width 450-650mm, height 600-1800mm
- ③ Maximum load bearing capacity is 90KG. Suggested proportion of the width and height is 1.5:1
- ★ Height and width are distances between top to top of sash groove.
- ★ Handle hand pivot hinges are in S.S304, which is better at anti-rust .

NPD500 Series Adjustment illustration for Turn-and-Tilt Window with Multi-Point Lock on 2 sides

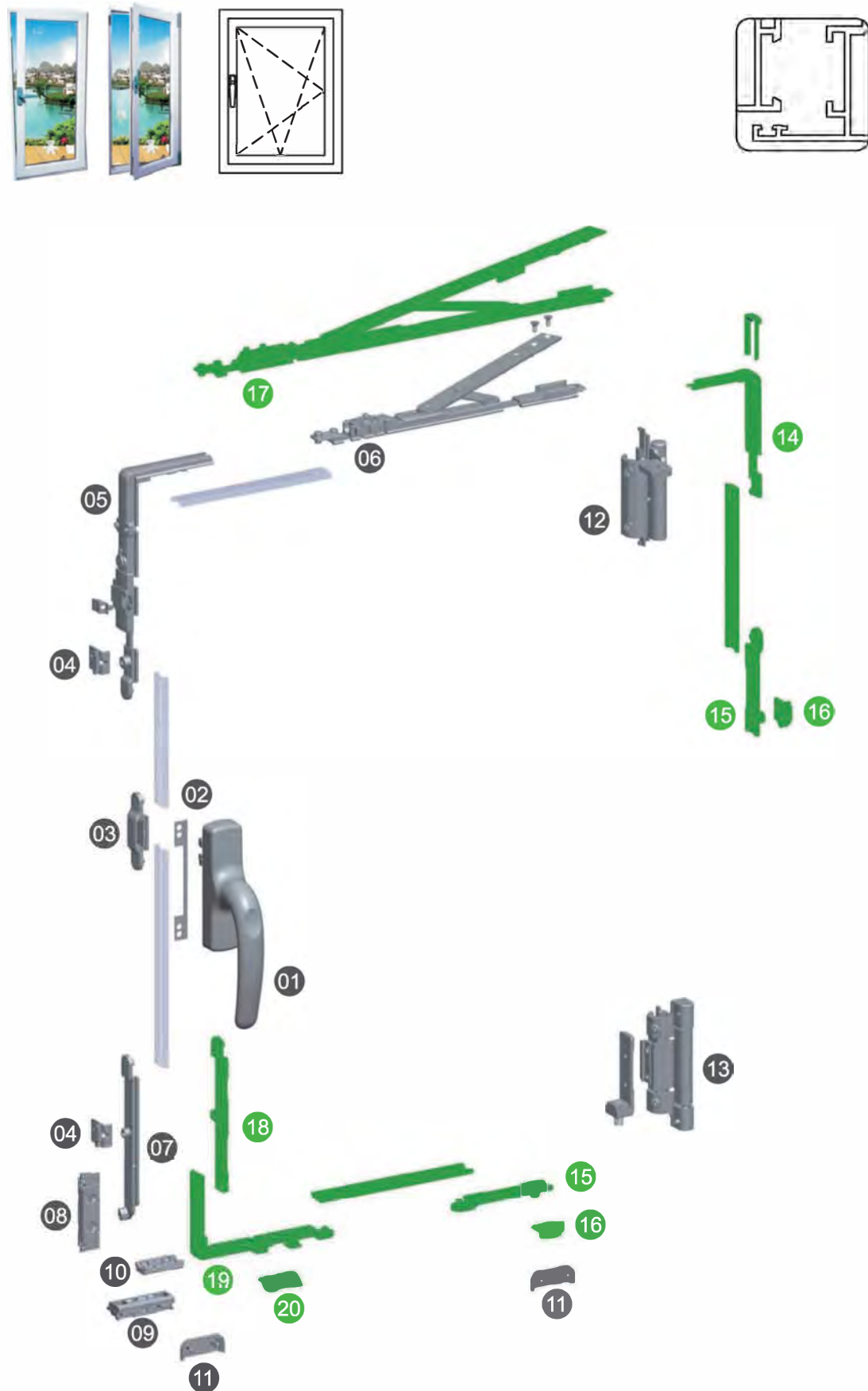


Note: "⊙" stands for specification for socket head wrench

NPD500 Series Adjustment illustration for Turn-and-Tilt Window with Multi-Point Lock on 2 sides



1-6 SPD100Series Tilt-and-Turn Window with Multi-Point Lock on Multi sides



Hardware Configuration for SPD100 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS08	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-R	1	Left&Right
08	Side Disengagement Preventer	XZSK-A	1	
09	Supporting Block	LN54	1	
10	Cushion Block	N33	1	
11	Water Cap	FSG-01	2	
12	Upper Pivot Hinge	NDHA10	1	Left&Right ④
13	Bottom Pivot Hinge	NDHB10	1	
14	Small Corner Device	ZB1	1	
15	Side Transmission Rod	N37A	2	
16	Locking Plate	ZA1-6A	2	
17	Slanting Connector Rod	XN8	1	⑤
18	Transmission Rod	CDG20	1	
19	Corner Device	ZB2	1	
20	Tilt Locking Plate	SK25	1	

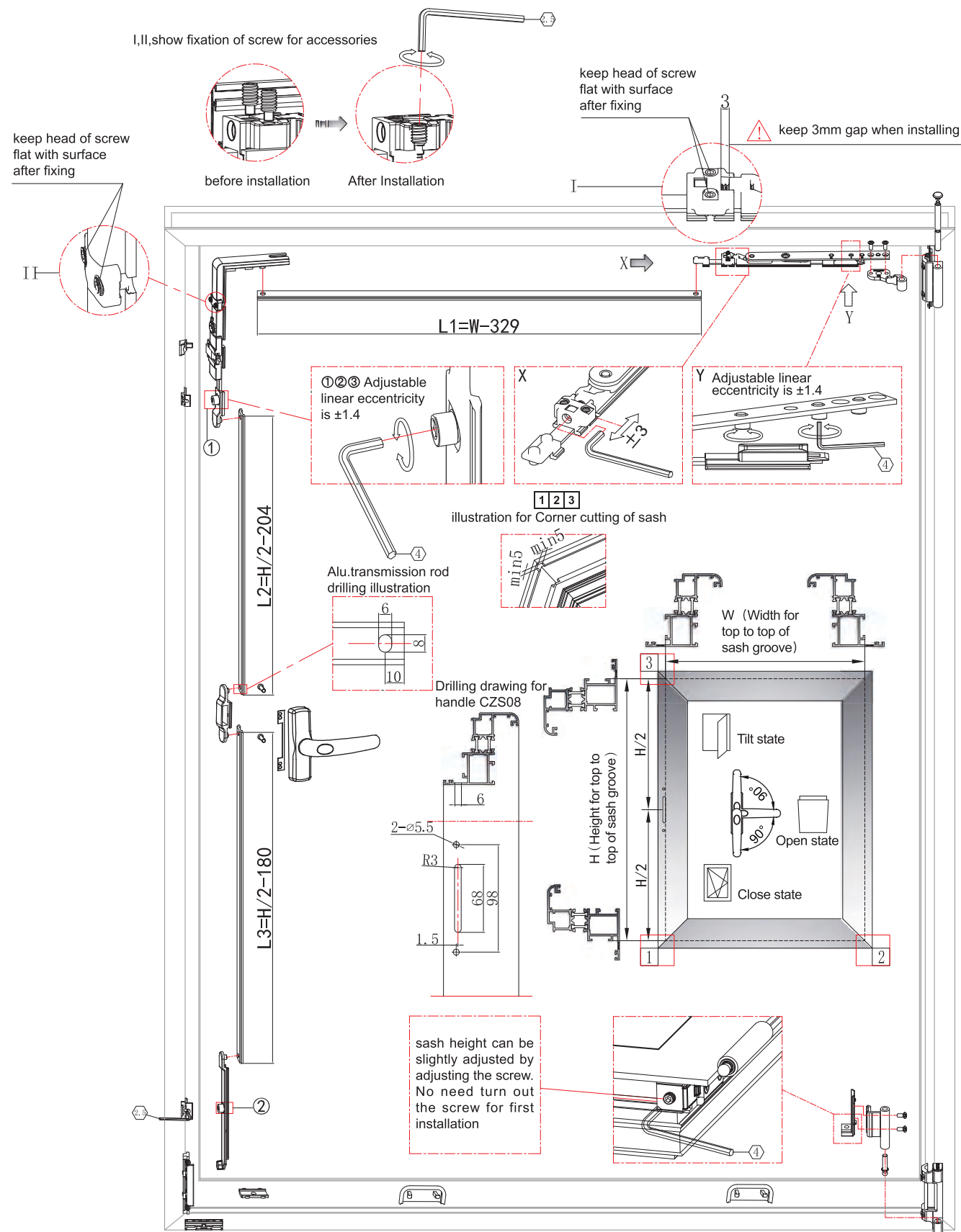
Optional handles for reference

Handle CZS20	Handle CZS28	Handle CZS30S	Handle CZS31
			

Configuration Instruction:

- ① Customers can select preferable handles taking reference to 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 380-450mm, item Number 6 can be changed to LG20.
- ④ Basic load bearing capacity is 90KG, can bear 130KG at maximum. Suggested proportion of the width and height is 1.5:1
- ⑤ Items in green are optional, which can suit for sash width 650-1250mm, height 600-2000mm.
- ★ Height and width are distance from sash top to groove top.

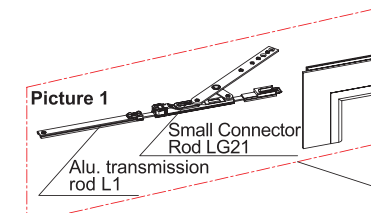
SPD100 Series Adjustment illustration for Tilt-and-Turn Window with Multi-Point Lock on Multi sides



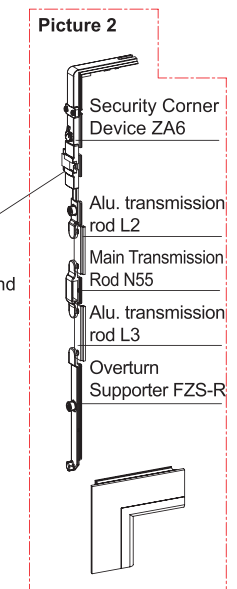
Note: "○" stands for specification for socket head wrench

SPD100 Series Installation illustration for Tilt-and-Turn Window with Multi-Point Lock on Multi sides

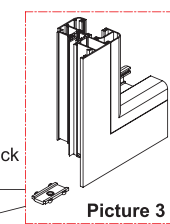
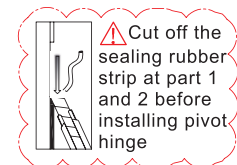
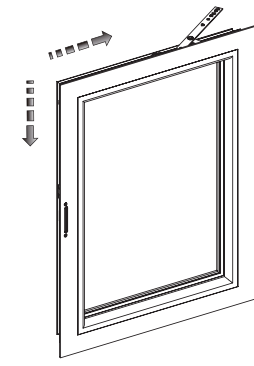
installation sequence for hardware in sequence of picture 1,2,3...



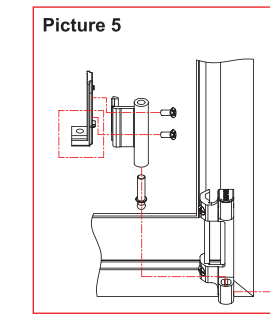
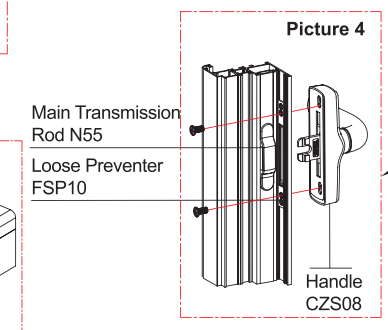
- Feature of LG21**
- ◆ Open limit design; The flexible open feeling
 - ◆ The flexible opening feeling of bottom-hung operation;
 - ◆ Locking point matches with V-groove
 - ◆ Improve sash dropping occurrence



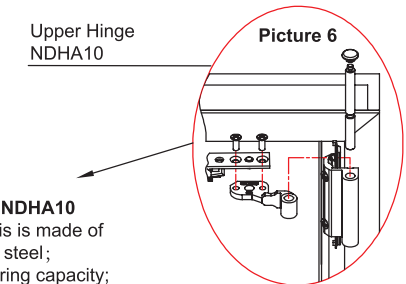
- Feature of ZA6**
- ◆ Combine function of transmitting and preventing misuse;
 - ◆ High safety, effectively avoid misoperation.
 - ◆ Child lock design to ensure the safety of children.
 - ◆ Fast installation



- Feature of N33**
- ◆ reset and correct position of sash and frame;
 - ◆ fast installation

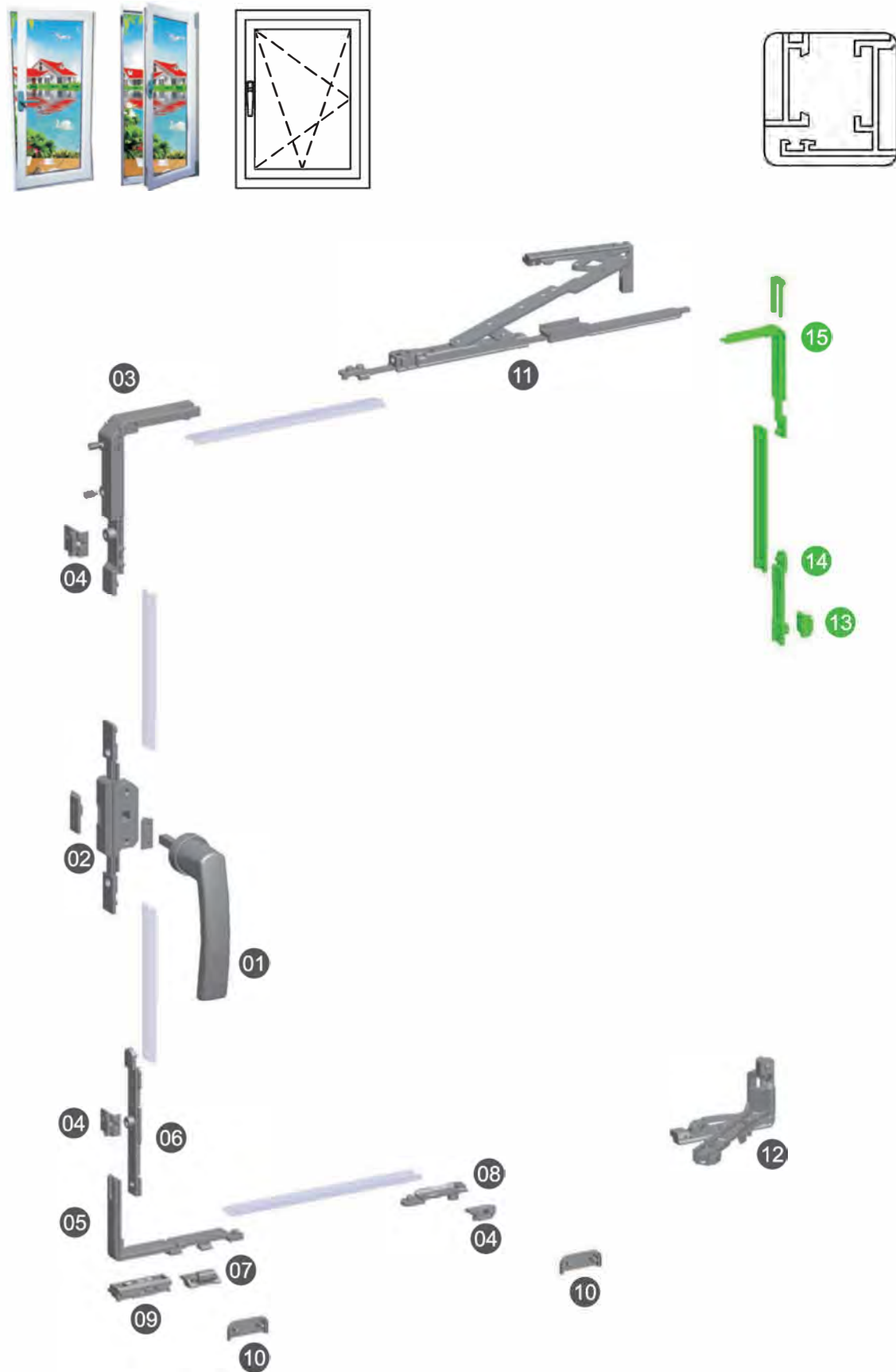


- Feature of NDHB10**
- ◆ Hinge axis is made of stainless steel;
 - ◆ High bearing capacity;
 - ◆ High security;
 - ◆ Fast installation;
 - ◆ Interchangeable(Left&Right)



- Feature of NDHA10**
- ◆ Hinge axis is made of stainless steel;
 - ◆ High bearing capacity;
 - ◆ High security;
 - ◆ Fast installation;
 - ◆ Interchangeable(Left&Right)

1-7 SPD300Series Concealed Tilt-and-Turn Window with Multi-Point Lock on Multi sides



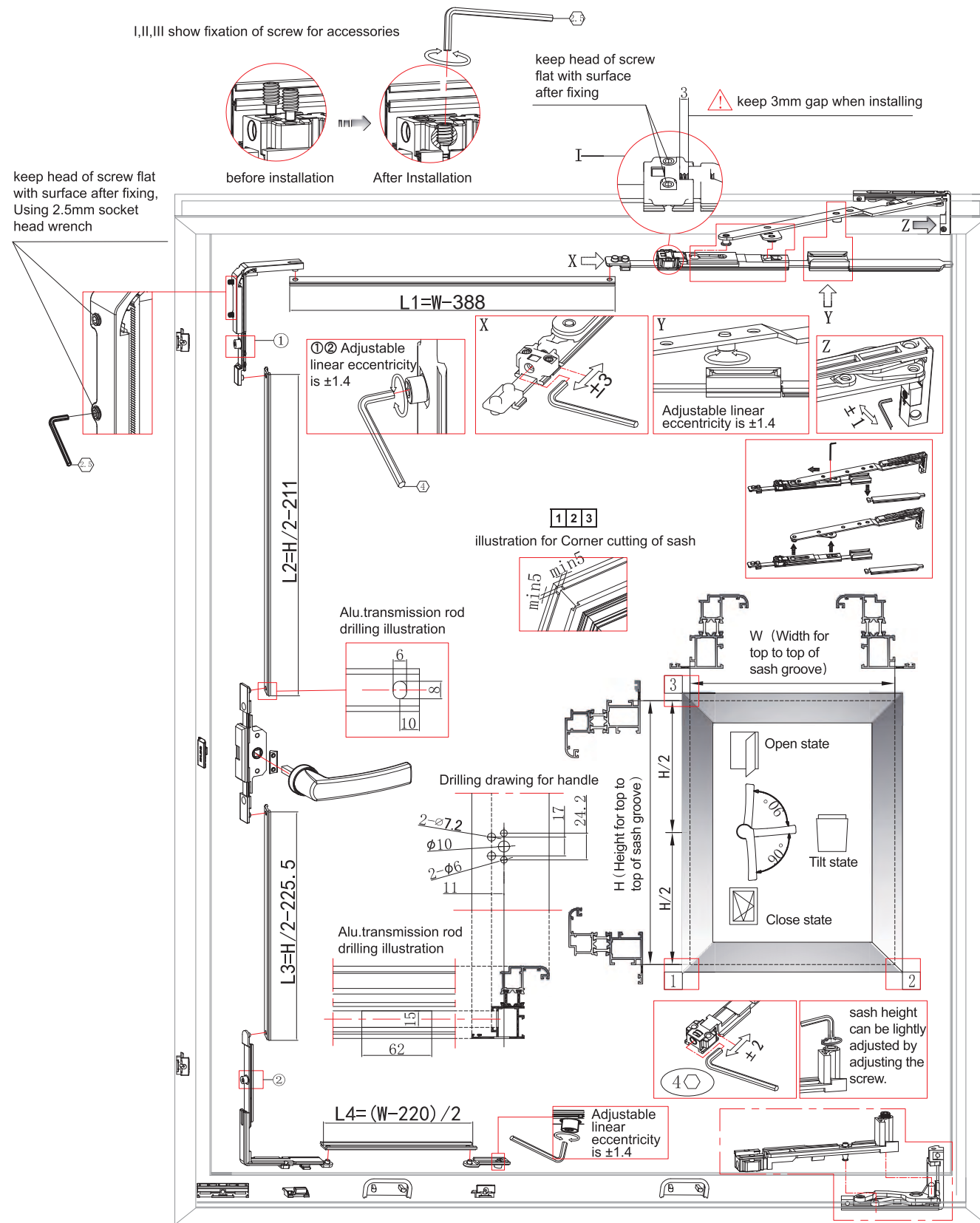
Hardware Configuration for SPD300 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	FZS11	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	ZB2	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	YHDS10	1	Left&Right ②
12	Bottom Pivot Hinge	YHDX10	1	Left&Right ③
13	Locking Plate	ZA1-6A	1	④
14	Side Transmission Rod	N37A	1	④
15	Corner Device	ZB1	1	④

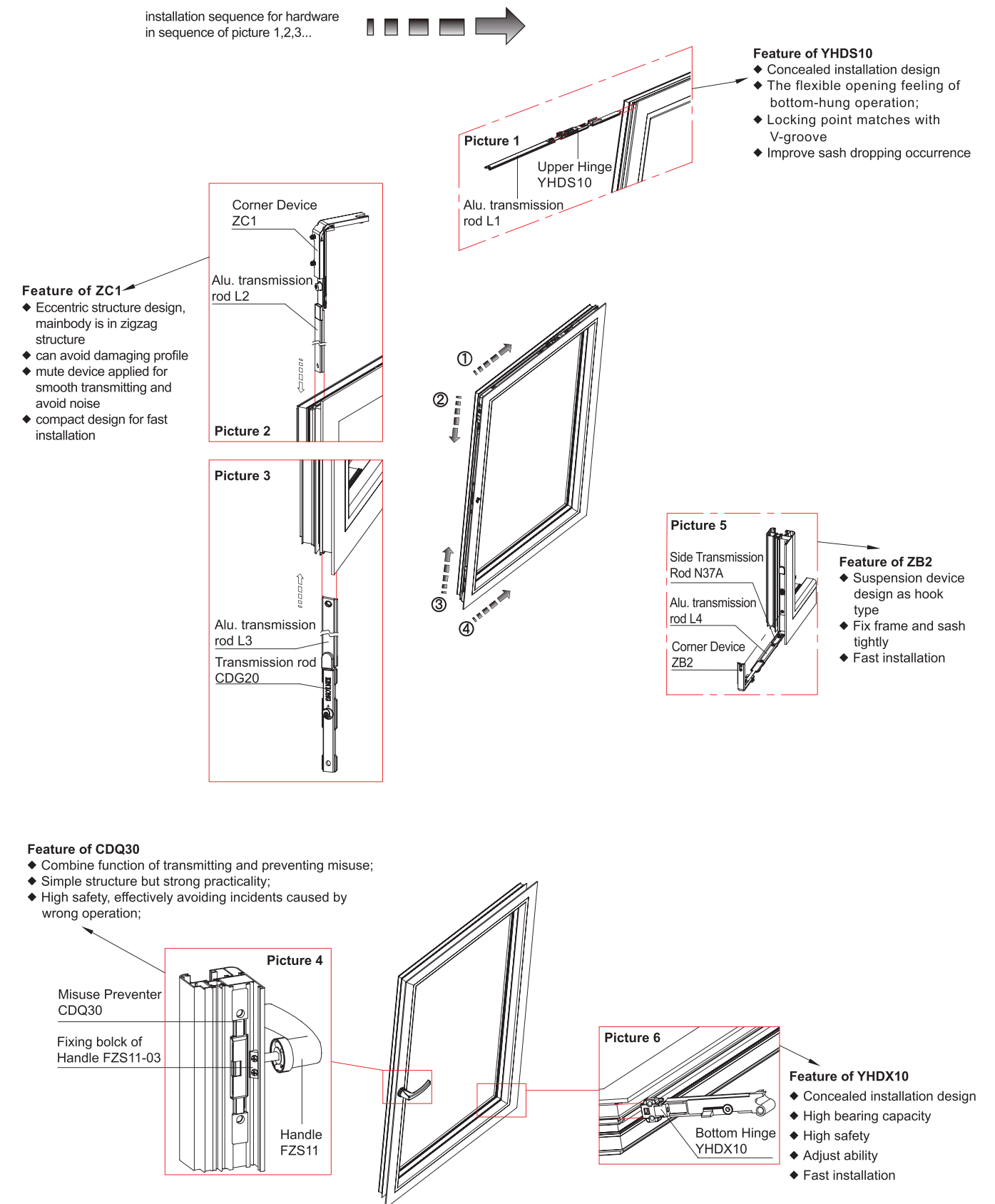
Configuration Instruction:

- ① Recommended distance between lock points should be $\leq 400\text{mm}$
- ② Sash dimensions as follow: width 550-800mm, height 600-1500mm
- ③ Maximum load bearing capacity is 90KG. Suggested proportion of the width and height is 1.5:1
- ④ Items in green are optional
- ⑤ When multi-locking points on four sides are used, the hardware YHDS10 Should be replaced by YHDS11
- ★ There's no exposed portion outside the window after concealed hinge installed, which improves the performance of tightness and makes the door and window more energy saving and environment friendly. Handle base plate and hand hold are designed as one unit, which can reduce the exposing area and make window looks more beautiful.
- ★ Height and width are distance from sash groove top to groove top.

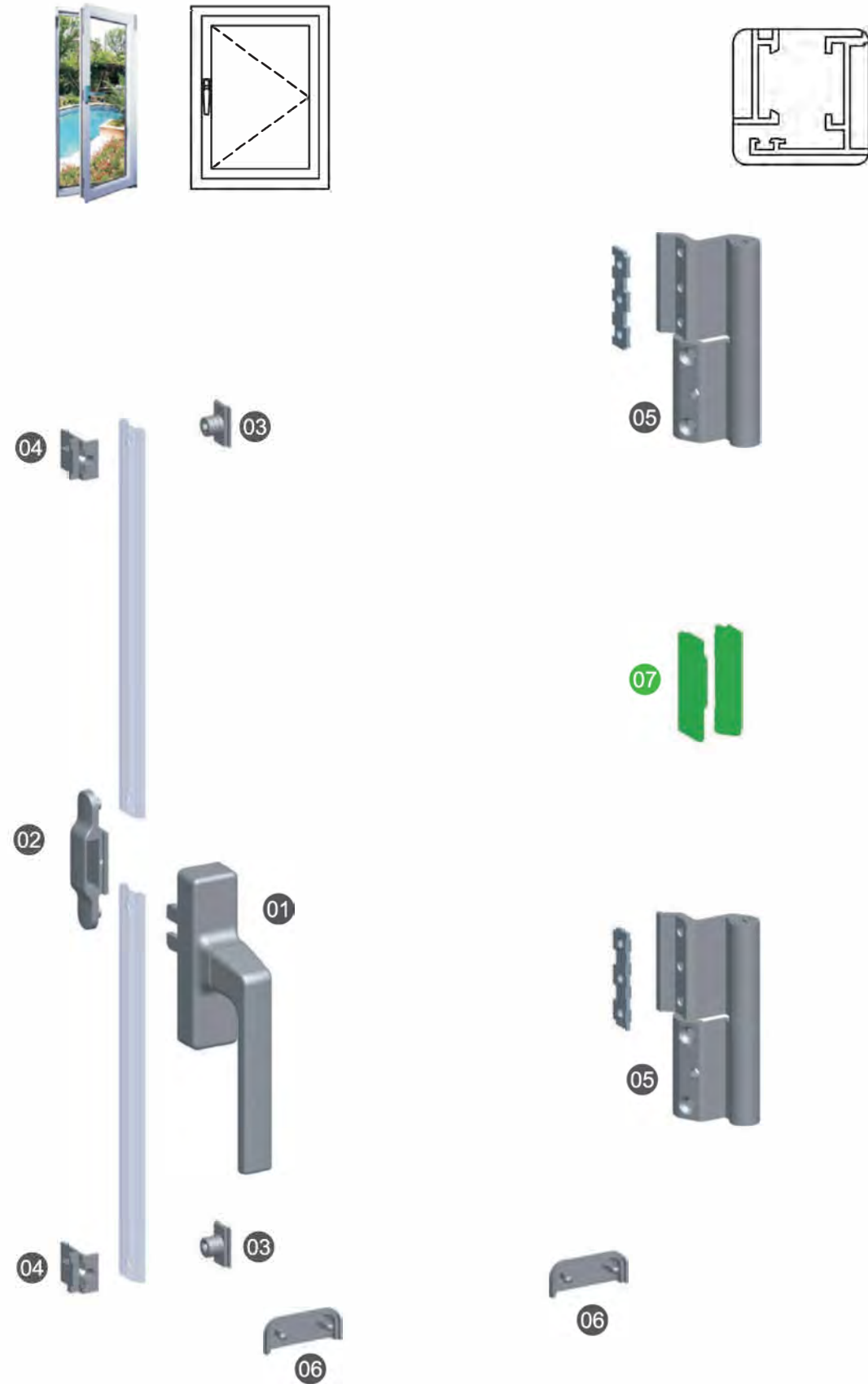
SPD300 Series Adjustment illustration for Concealed Window with Multi-Point Lock on Multi sides



SPD300 Series Installation illustration for concealed Turn-and-Tilt Window with Multi-Point Lock on multi sides



1-8 NP100Series 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)	CZS220	1	Optional ①
02	Main Transmission Rod	N55	1	
03	Active lock point	HDS8	2	Refer to active lock points operation instruction
04	Locking Plate	ZA1-6A	2	
05	Pivot Hinge	J6	2	Optional ②
06	Water Cap	FSG-01	2	
07	Middle Locking Plate	SK70	1	③

Optional handles for reference

Handle CZS51	Handle CZS52	Handle CZS53	Handle CZS219
			

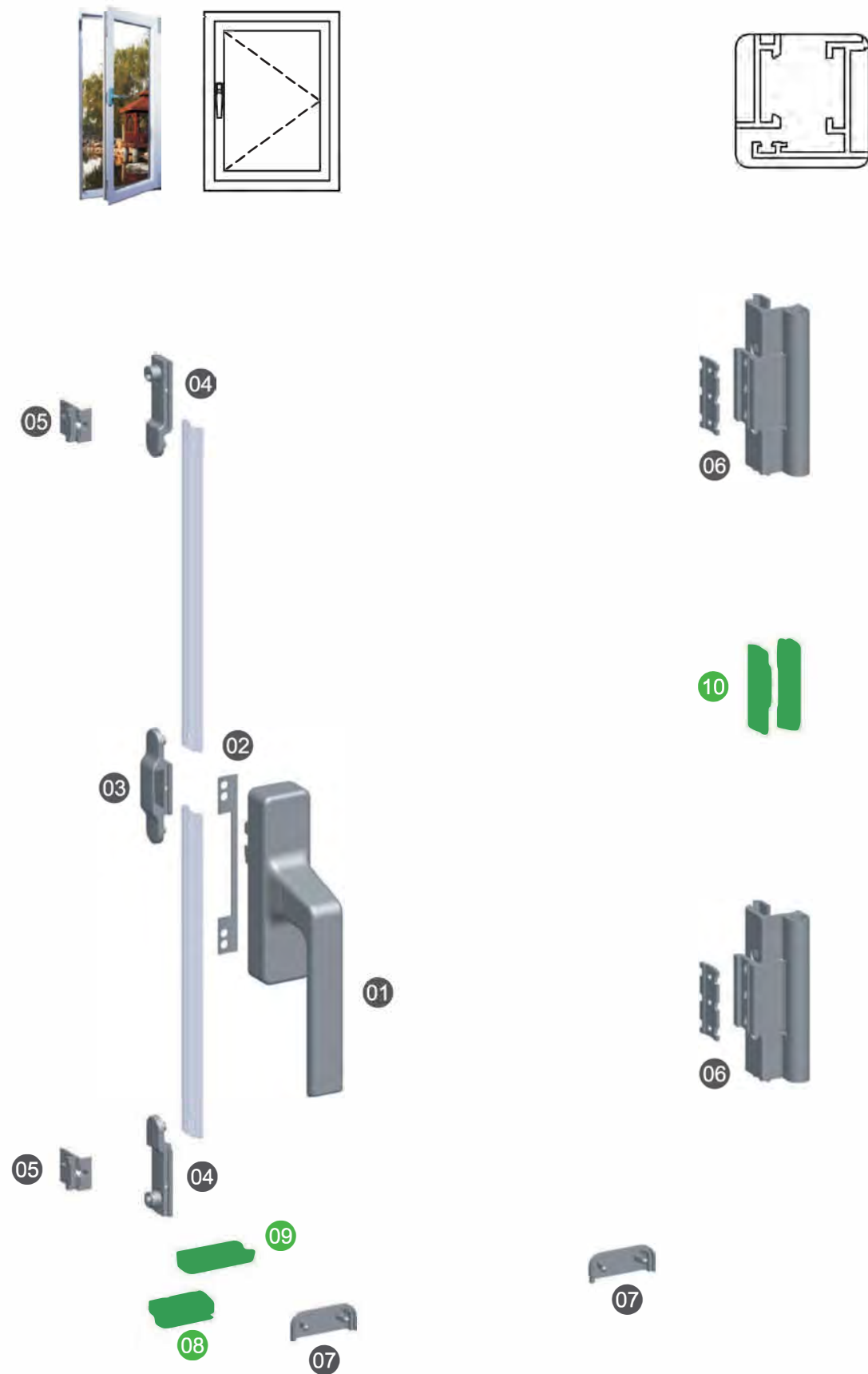
Optional hinges for reference

Hinge N2B	Hinge N4A	Hinge BHY20	Hinge BHY21
			

Configuration Instruction:

- ① Customers can select preferable handles taking reference to handle series
- ② The load bearing capacity of the pivot hinge refers to pivot hinge series of this catalogue
- ③ Items in green are optional. Suggest taking middle locking plate to prevent sash deformation and to ensure sealability for large size window
- ★ Better to use side hung window limiter.

1-9 NP110Series 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	CZS20	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	Pivot Hinge	N4A	2	Optional ②
07	Water Cap	FSG-01	2	
08	Supporting Block	N34A	1	
09	Cushion Block	N33	1	
10	Middle Locking Plate	SK70	1	③

Optional handles for reference

Handle CZS51	Handle CZS52	Handle CZS53	Handle CZS219
			

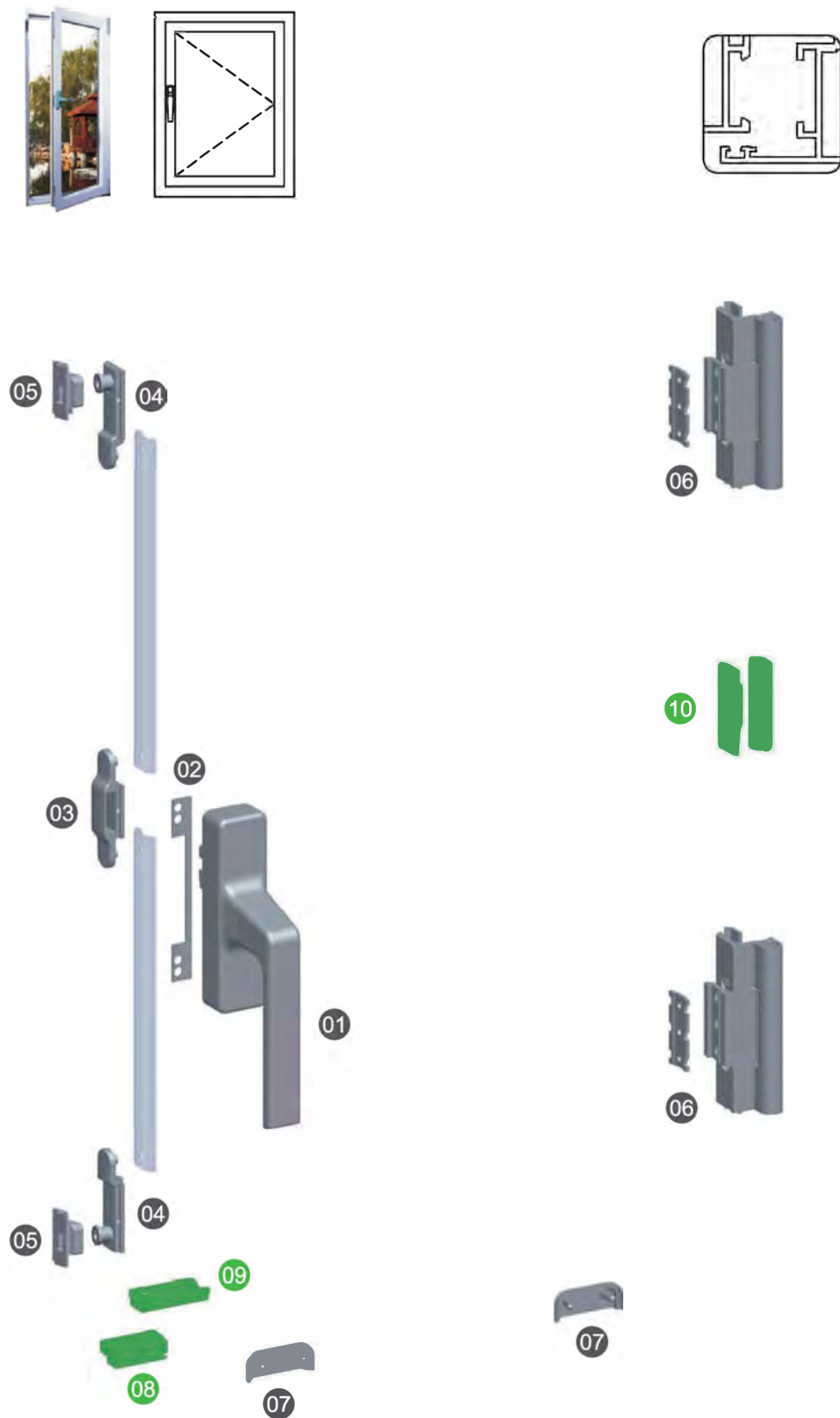
Optional hinges for reference

Hinge N2B	Hinge J6	Hinge BHY20	Hinge BHY21
			

Configuration Instruction:

- ① Customers can select preferable handles taking reference to 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 sealability for large size window
- ★ Better to use side hung window limiter.

1-10 NP200 Series Open-in Side- Hung anti-theft Window with Two-Point Lock on Single Side



Hardware Configuration of NP200 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS20	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	N4A	2	Optional ②
07	Water Cap	FSG-01	2	
08	Supporting Block	N34A	1	③
09	Cushion Block	N33	1	
10	Middle Locking Plate	SK70	1	

Optional handles for reference

Handle CZS51	Handle CZS52	Handle CZS53	Handle CZS219

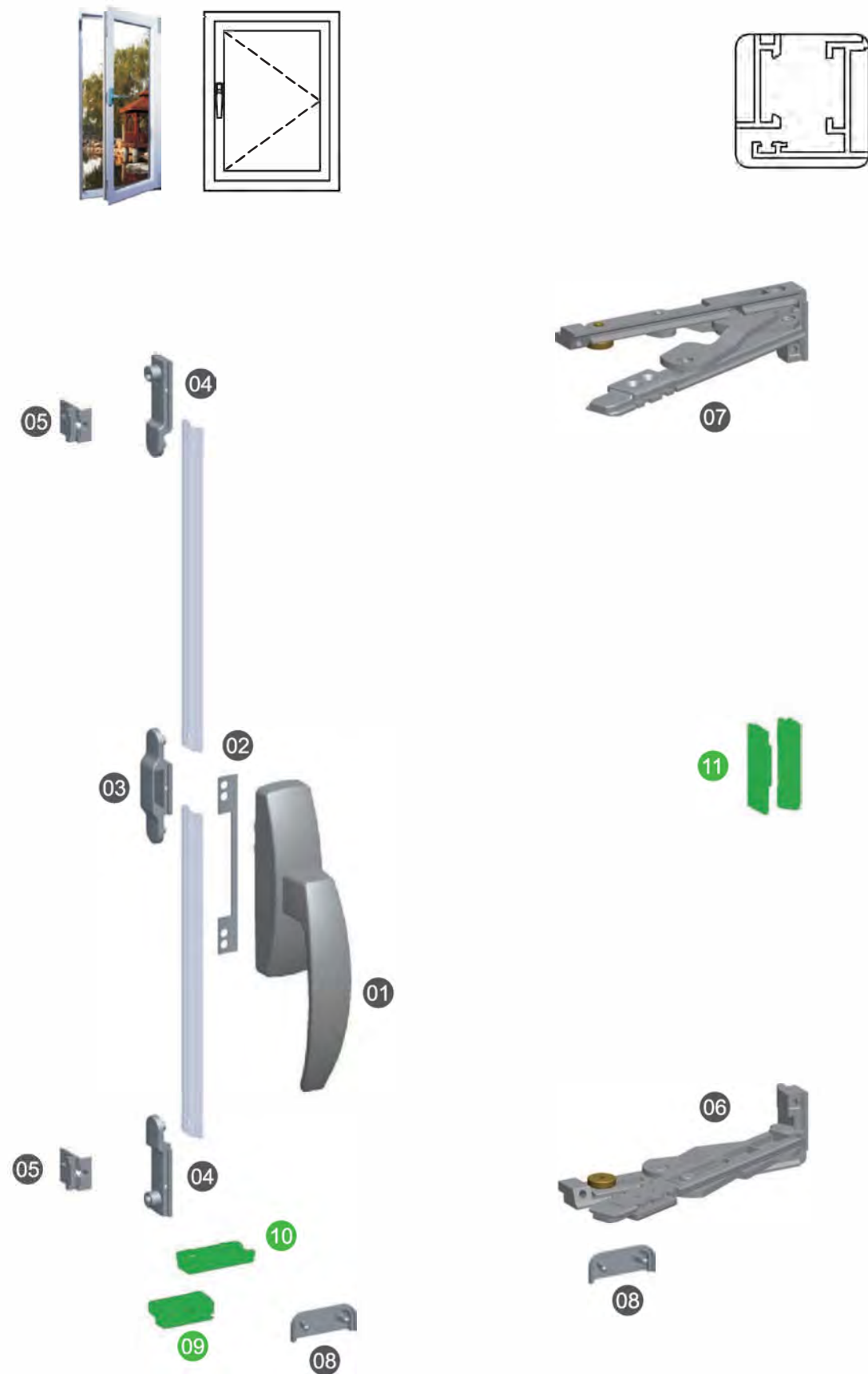
Optional hinges for reference

Hinge N2B	Hinge J6	Hinge BHY20	Hinge BHY21

Configuration Instruction:

- ① Customers can select preferable handles taking reference to 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 sealability for large size window
- ★ Better to use side hung window limiter.





1-11 NP300 Series Concealed Open-in Side -Hung Window with Two-Point Lock on Single Side







Hardware Configuration of NP300 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS27	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	YHE30-R	1	②
07	Hinge	YHE30-L	1	
08	Water Cap	FSG-01	2	
09	Supporting Block	N34A	1	③
10	Cushion Block	N33	1	
11	Middle Locking Plate	LSK72	1	

Optional handles for reference

Handle CZS08	Handle CZS51	Handle CZS52	Handle CZS53
			

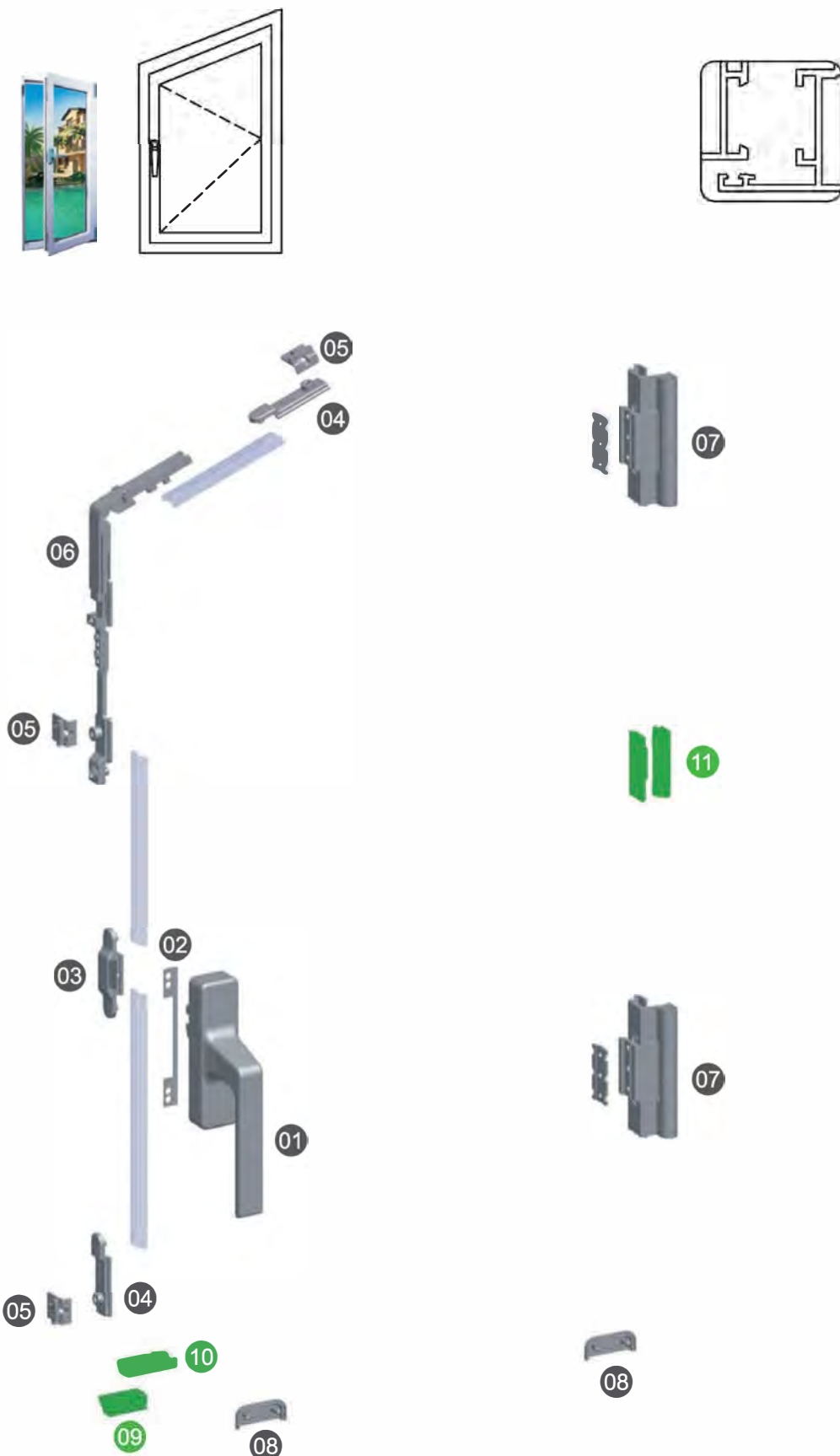
Optional hinges for reference

Hinge YHEA10/YHEB10		Hinge YHEA20/YHEB20	
			

Configuration Instruction:

- ① Customers can select preferable handles taking reference to 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 sealability for large size window

1-12 NP500Series Open-in Side Hung Trapezium Window with Two-Point Lock on 2 sides



Hardware Configuration for NP500 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS20	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	3	
06	Active Corner Device	ZJH	1	
07	Pivot Hinge	N4A	2	Optional ②
08	Water Cap	FSG-01	2	
09	Supporting Block	N34A	1	Optional ③
10	Cushion Block	N33	1	
11	Middle Locking Plate	SK70	1	

Optional handles for reference

Handle CZS51	Handle CZS52	Handle CZS53	Handle CZS219

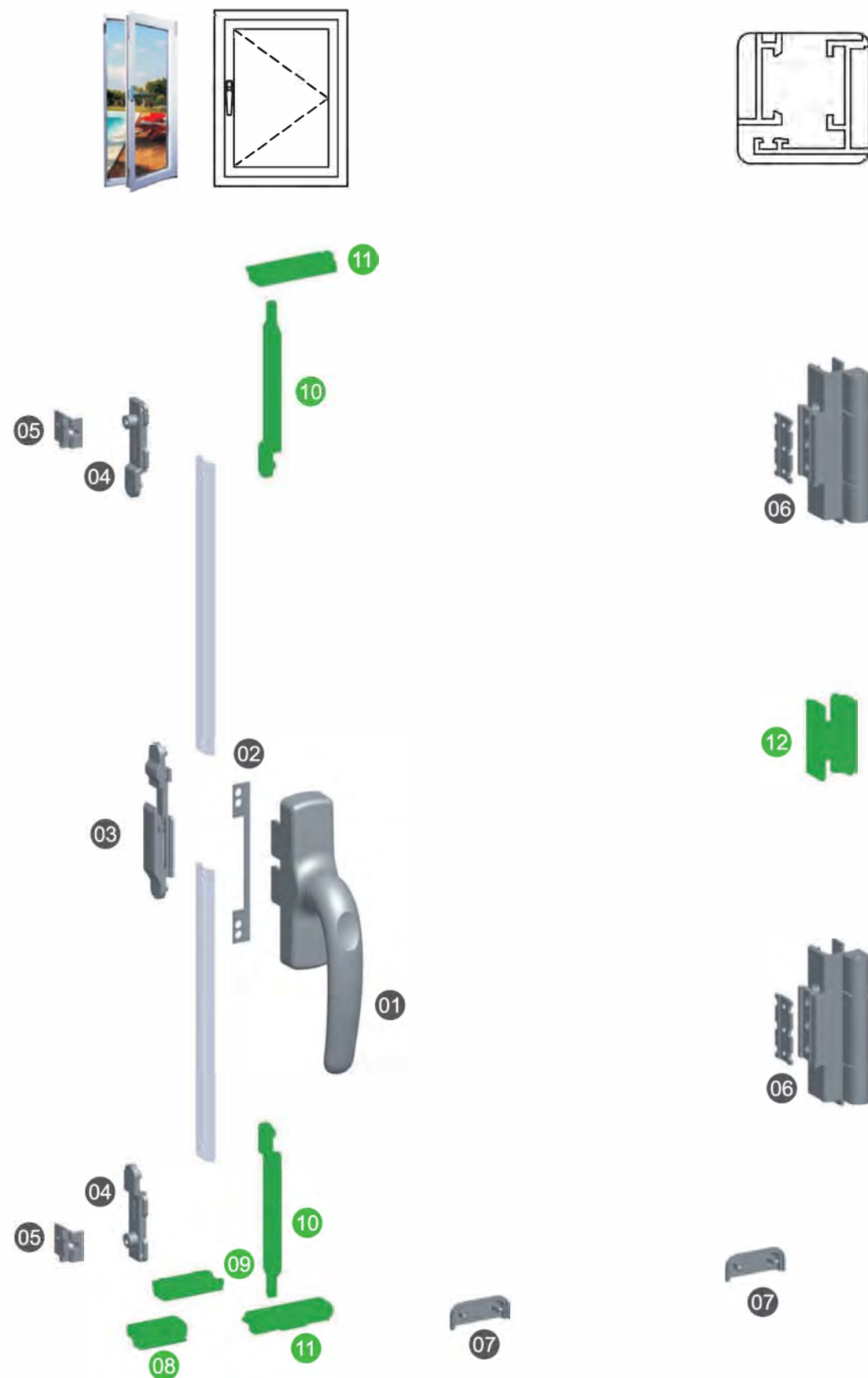
Optional hinges for reference

Hinge N2B	Hinge J6	Hinge BHY20	Hinge BHY21

Configuration Instruction:

- ① Customers can select preferable handles taking reference to 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 sealability for large size window
- ★ Better to use side hung window limiter.

1-13 NP600Series Open-in Side Hung Window with Two-Point Lock on Single side



Hardware Configuration for NP600 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS408	1	Left&Right
02	Loose Preventer	FSP10	1	
03	Main Transmission Rod	NKS68	1	
04	Side Transmission Rod	N39	2	
05	Locking Plate	ZA1-6A	2	
06	Pivot Hinge	N4A	2	Optional ①
07	Water Cap	FSG-01	2	
08	Supporting Block	N34A	1	
09	Cushion Block	N33	1	
10	Socket Rod	CDG10B	2	
11	Supporting Block	LN54	2	
12	Middle Locking Plate	SK70	1	②

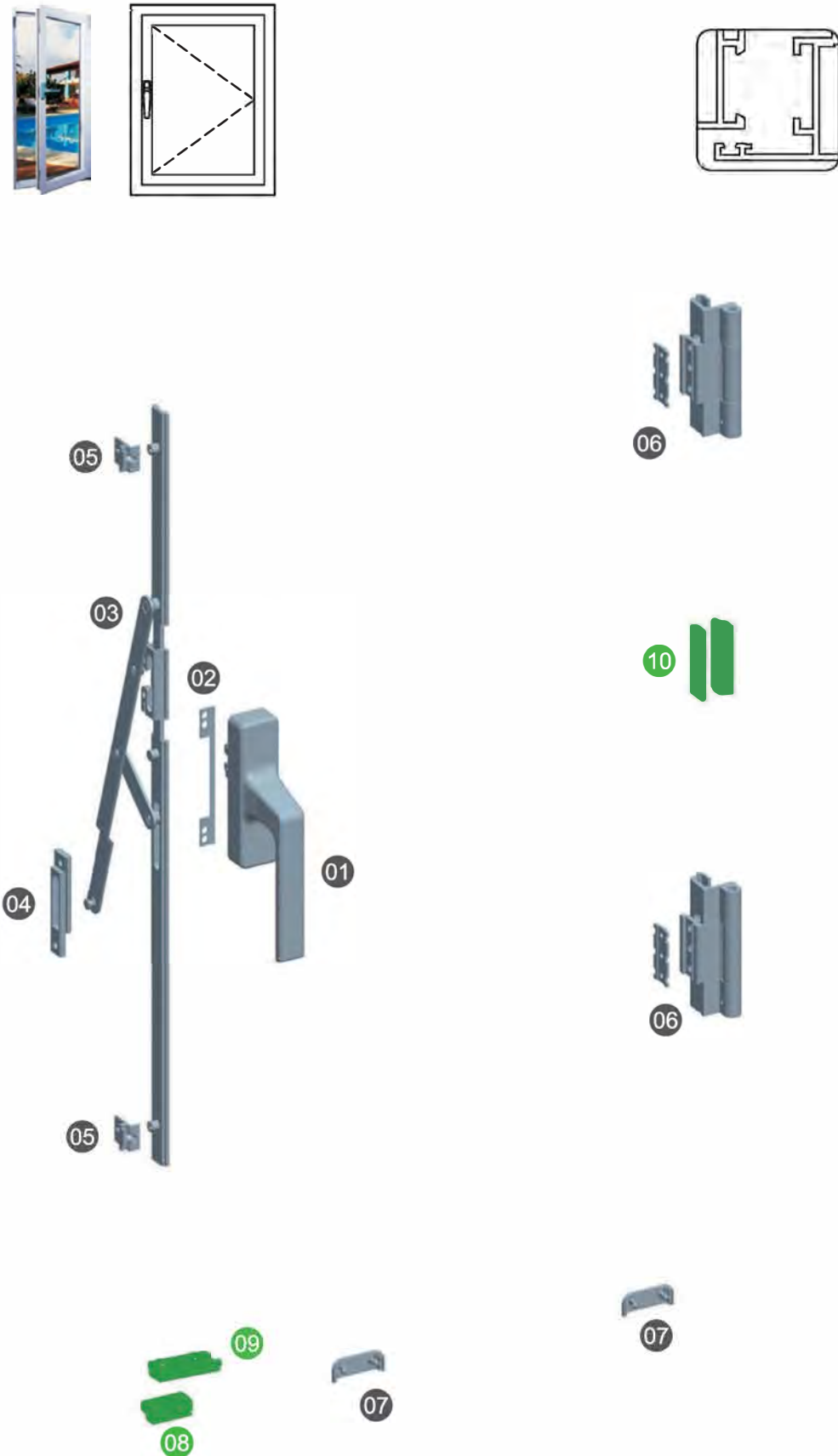
Optional hinges for reference

Hinge N2B	Hinge J6	Hinge BHY20	Hinge BHY21

Configuration Instruction:

- ① The load bearing capacity of the pivot hinge refers to pivot hinge series in this catalogue
- ② Items in green are optional. Suggest taking middle locking plate to prevent sash deformation and to ensure sealability for large size window
- ★ Better to use side hung window limiter.

1-14 NP800Series C-groove Open-in Side Hung Window with Micro-ventilation function



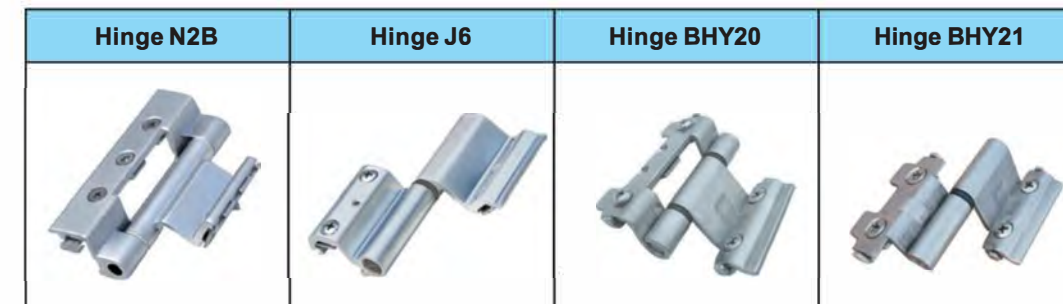
Hardware Configuration for NP800 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS20	1	Optional ①
02	Loose Preventer	FSP10	1	
03	Micro ventilation Device	TFQ10-L	1	L=600, 800, 1000, 1200(mm) ②
04	Lock Hook	U06	1	
05	Locking Plate	ZA1-6A	2	
06	Pivot Hinge	N4A	2	Optional ③
07	Water Cap	FSG-01	2	
08	Supporting Block	N34A	1	④
09	Cushion Block	N33	1	
10	Middle Locking Plate	SK70	1	

Optional handles for reference



Optional hinges for reference:



Configuration Instruction:

- ① Customers can select preferable handles taking reference to handle series
- ② Rotating handle can open the window to normal state of secure location. Both public buildings like schools, hospitals and high floor commercial buildings can be provided with ventilation to ensure safety. Easy link design provide easy installation and simple operation, which can be adapted to various side hung profiles.
- ③ The load bearing capacity of the pivot hinge refers to pivot hinge series in this catalogue
- ④ Items in green are optional. Suggest taking middle locking plate to prevent sash deformation and to ensure sealability for large size window
- ★ Better to use side hung window limiter.

NP800 Series Characteristic description for C-groove open-in side hung window with micro-ventilation

Feature

- ◆ Linkage operation by handle
- ◆ High strength under connecting rod type design
- ◆ Customized according to window specification
- ◆ Micro ventilation design can prevent the operator from dropping when ventilating the room
- ◆ Standardized design can fit most of the C groove profile in market under the European standard

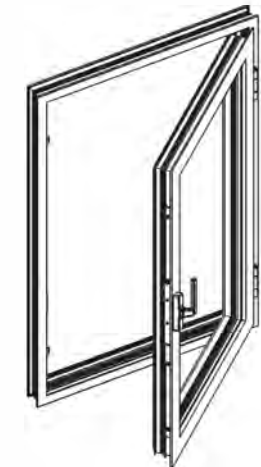
◆ Micro ventilation state



★ Positioning Micro ventilation state

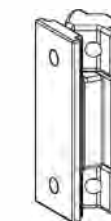


◆ Normal open state



★ Micro ventilation positioning state

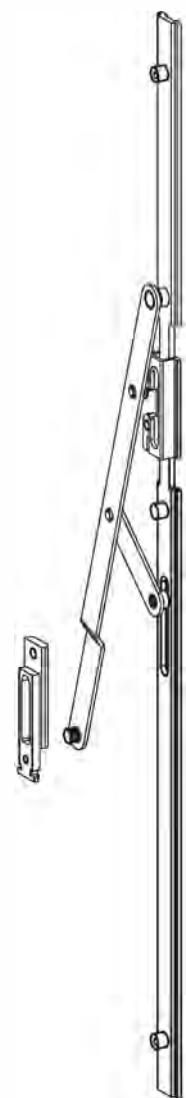
When window stays Micro Ventilation state, rotate handle to 180 degree, window will stay at Micro ventilation positioning state



02

Feature of SK70

- ◆ Play a guiding role when opening
- ◆ Movement track approximates pivot hinge
- ◆ Enhance security of the sealability



01

Feature of FTQ10-L 10

- ◆ To combine the function of the transmission rod and Micro ventilation
- ◆ the key component to Micro ventilation and side hung
- ◆ Length according to window specification



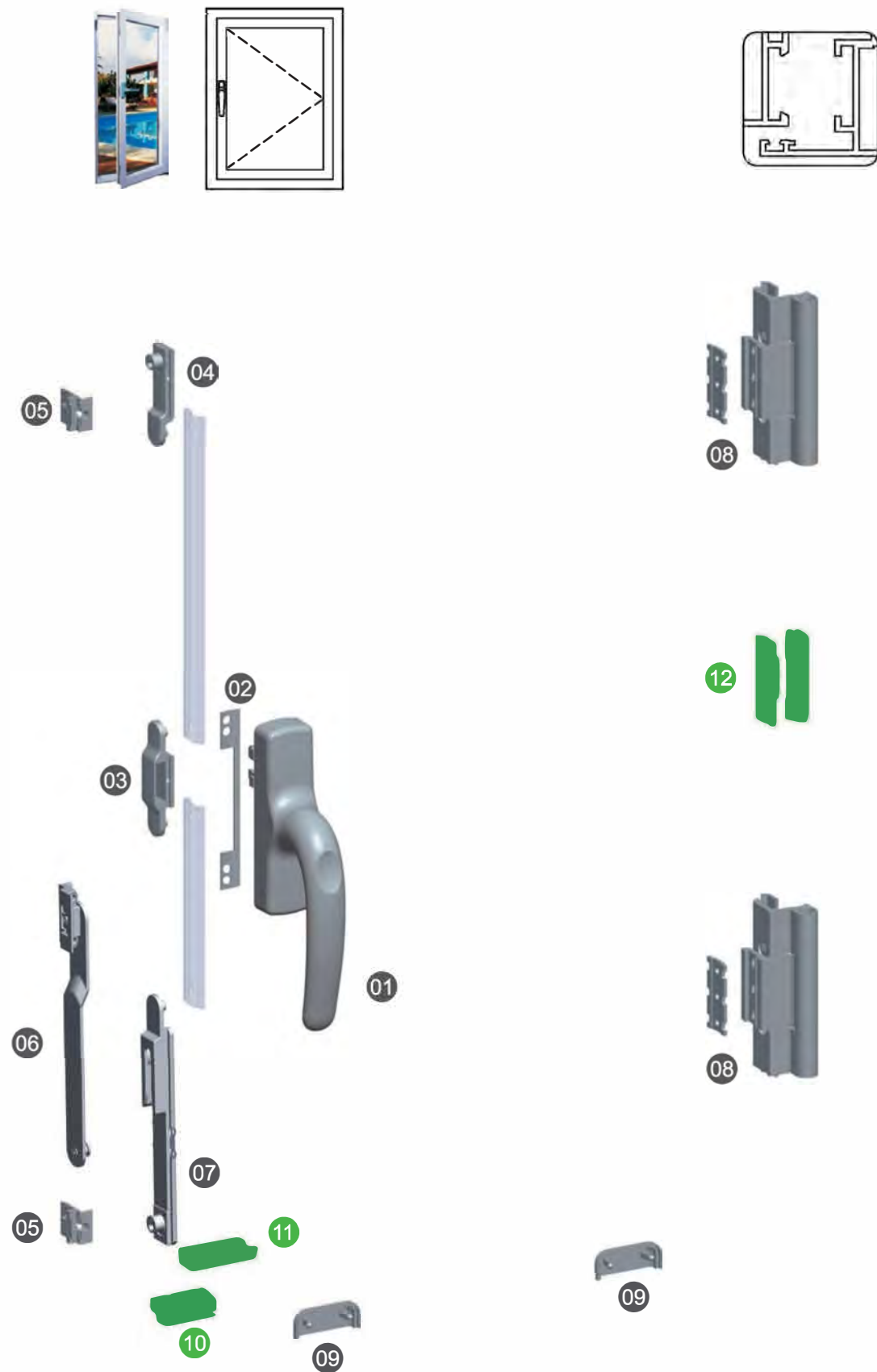
03

Feature of N34A&N33

- ◆ Play the role of guidance
- ◆ Correct and reset small deformation
- ◆ Extend the cycles of window
- ◆ Fast installation



1-15 NP810 Series C-groove Open-in Side-Hung Window with Micro-ventilation Function







Hardware Configuration of NP810 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS08	1	Optional ①
02	Loose Preventer	FSP10	1	
03	Main Transmission Rod	N55	1	
04	Side Transmission Rod	N39	1	
05	Locking Plate	ZA1-6A	2	
06	Ventilating & limiting Rod	TFQ40-K	1	②
07	Ventilating Transmission Rod	TFQ40-S	1	
08	Hinge	N4A	2	Optional ③
09	Water Cap	FSG-01	2	
10	Supporting Block	N34A	1	④
11	Cushion Block	N33	1	
12	Middle Locking Plate	SK70	1	

Optional handles for reference

Handle CZS19	Handle CZS20	Handle CZS23	Handle CZS36
			

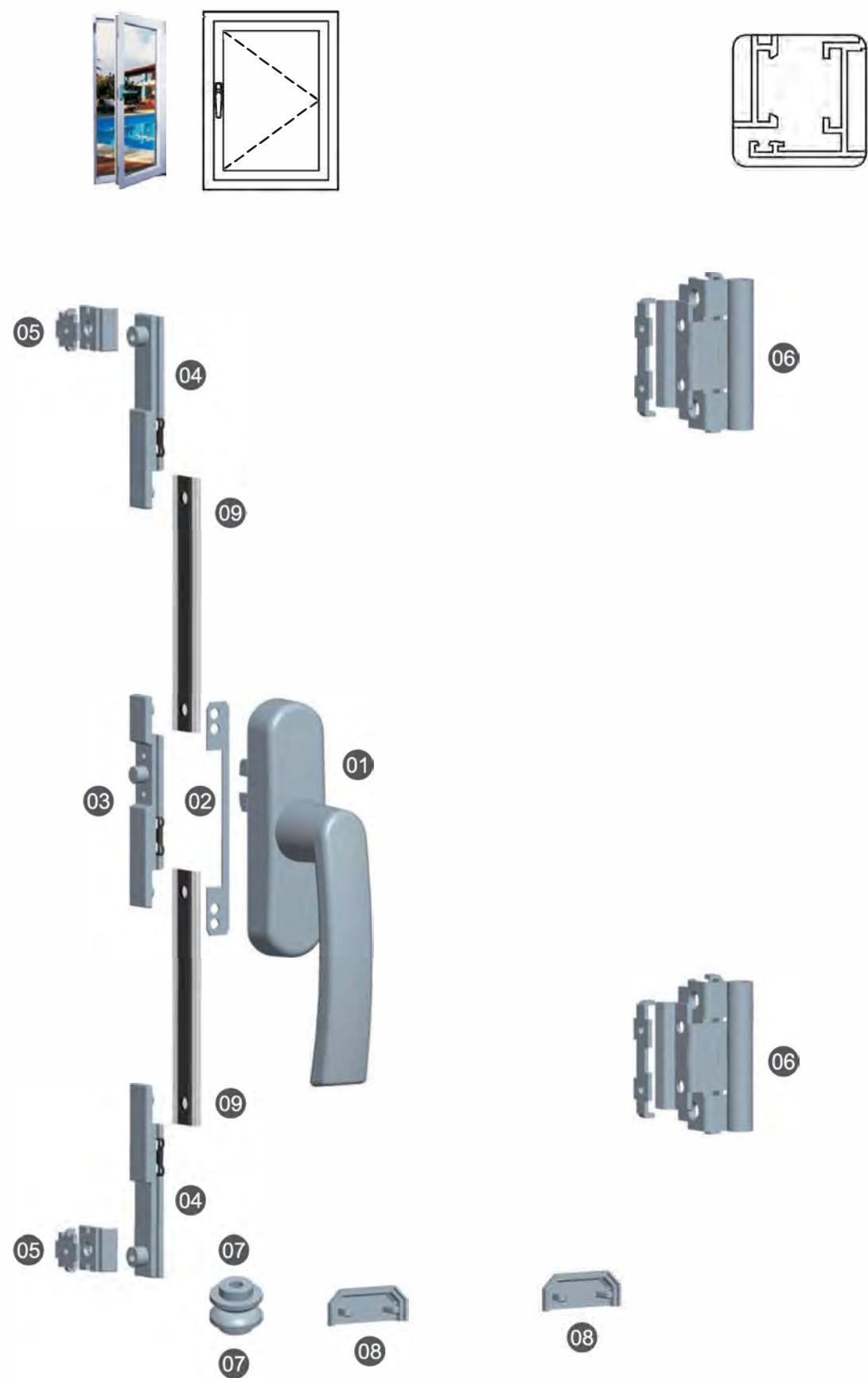
Optional hinges for reference:

Hinge N2B	Hinge J6	Hinge BHY20	Hinge BHY21
			

Configuration Instruction:

- ① Customers can select preferable handles taking reference to handle series
- ② No.6. No.7 fitting can apply to Open- out Side -Hung Window with Micro-ventilation function
- ③ The load bearing capacity of the pivot hinge refers to pivot hinge series in this catalogue
- ④ Items in green are optional. Suggest taking middle locking plate to prevent sash deformation and to ensure sealability for large size window
- ★ Better to use side hung window limiter.

1-16 NP900 Series C-groove Open-in Fire-resistant Side-Hung Window



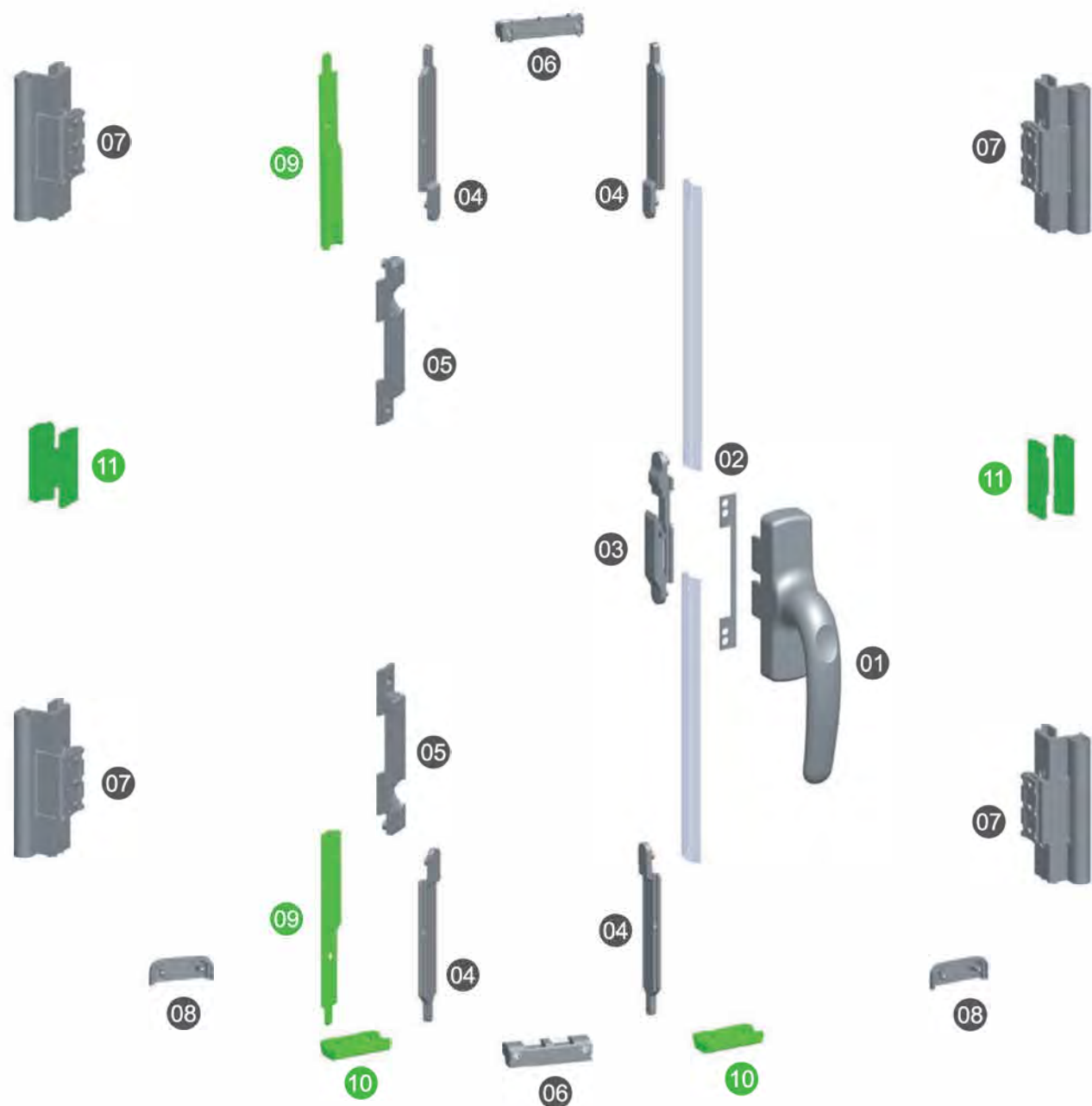
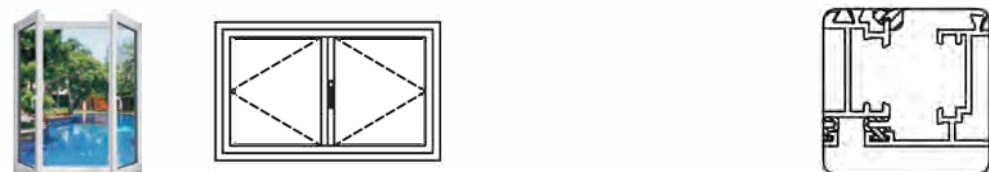
Hardware Configuration of NP900 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS90	1	
02	Loose Preventer	FSP10	1	
03	Main Transmission Rod	N85	1	
04	Side Transmission Rod	N43	2	
05	Locking Plate	SK36	2	①
06	Hinge	BHY20/I	2	②
07	Supporting Block	ZCK01	2	
08	Water Cap	FSG-01	2	
09	Fire-resistant Alu. Rod	NHG01-L	2	Based on the window type and size ③

Configuration Instruction:

- ① No.5 fitting, the clamping block of locking plate should be placed before assembling; Recommended distance of lock points should be $\leq 400\text{mm}$
- ② The load bearing capacity of the pivot hinge refers to pivot hinge series in this catalogue
- ③ The length of Fire-resistant Alu. Rod can be customized based on the window height. (Increased as the unit of 50mm; Minimum length is 50mm)
- ★ Better to use together with side -hung window limiter.

1-17 DK100 Series Double-leaf Window with C-groove and False Mullion



Hardware Configuration of DK100 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS408	1	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	N4A	4	Optional ②
08	Water Cap	FSG-01	2	
09	Socket Rod	CXG150	2	③
10	Cushion Block	N33	2	④
11	Middle Locking Plate	SK70	2	

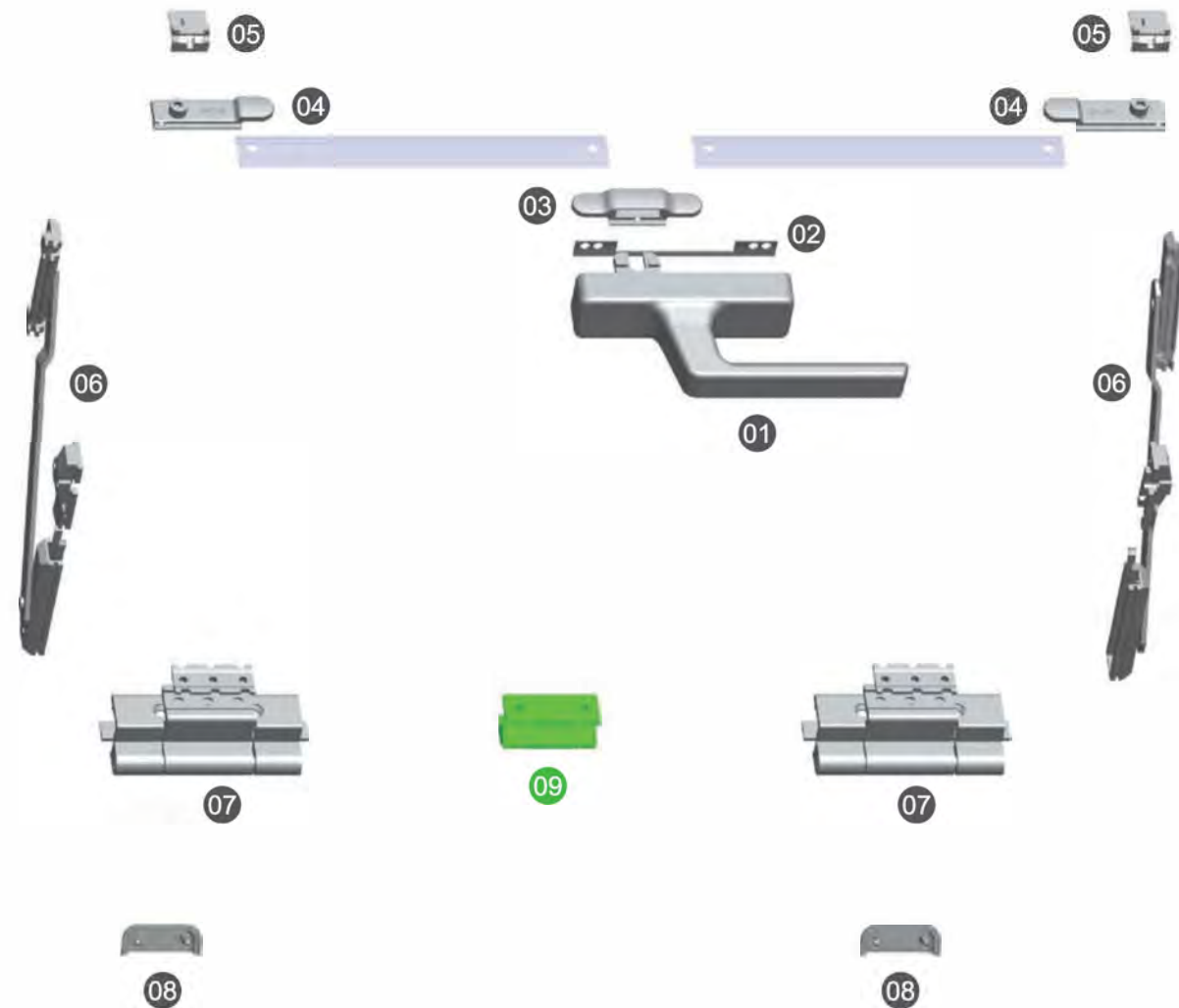
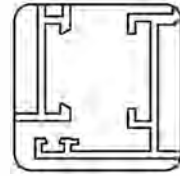
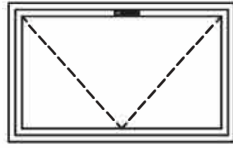
Optional hinges for reference:

Hinge N2B	Hinge J6	Hinge BHY20	Hinge BHY21

Configuration Instruction:

- ① Customers can select preferable handles taking reference to handle series
- ② The load bearing capacity of the pivot hinge refers to pivot hinge series of this catalogue
- ③ Please note: Item 09 can replace item 05 and two pieces of item 04 at the same time.
- ④ Items in green are optional. Suggest adopting locking plate to prevent sash deformation and ensure sealability for large size window
- ★ Better to use together with side -hung window limiter

1-18 ND100 Series Hopper Window with C-groove



Hardware Configuration for ND100 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS20	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	N4A	2	Optional ②
08	Water Cap	FSG-01	2	
09	Middle Locking Plate	SK70	1	③

Optional handles for reference

Handle CZS51	Handle CZS52	Handle CZS53	Handle CZS219

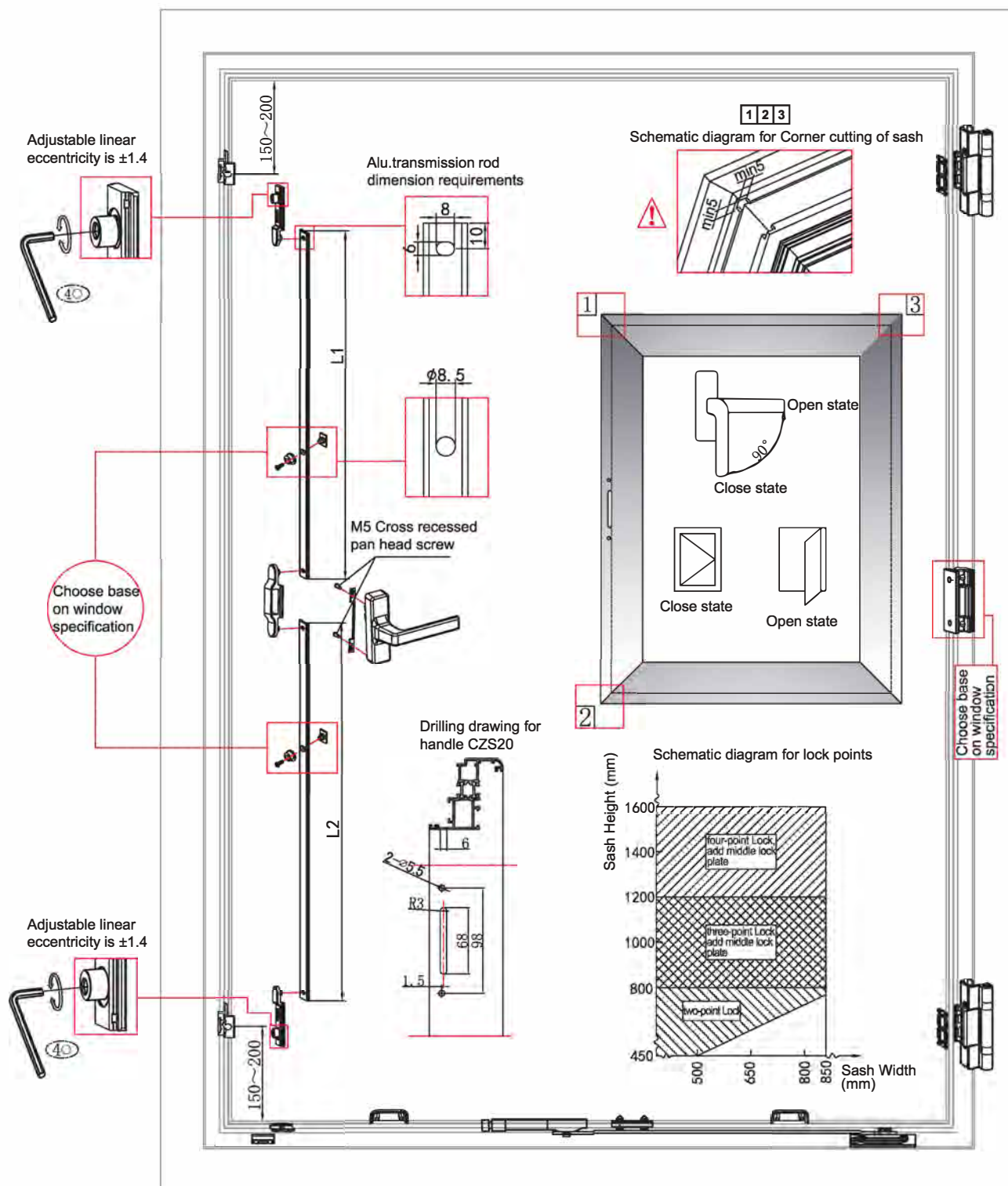
Optional hinges for reference

Hinge N2B

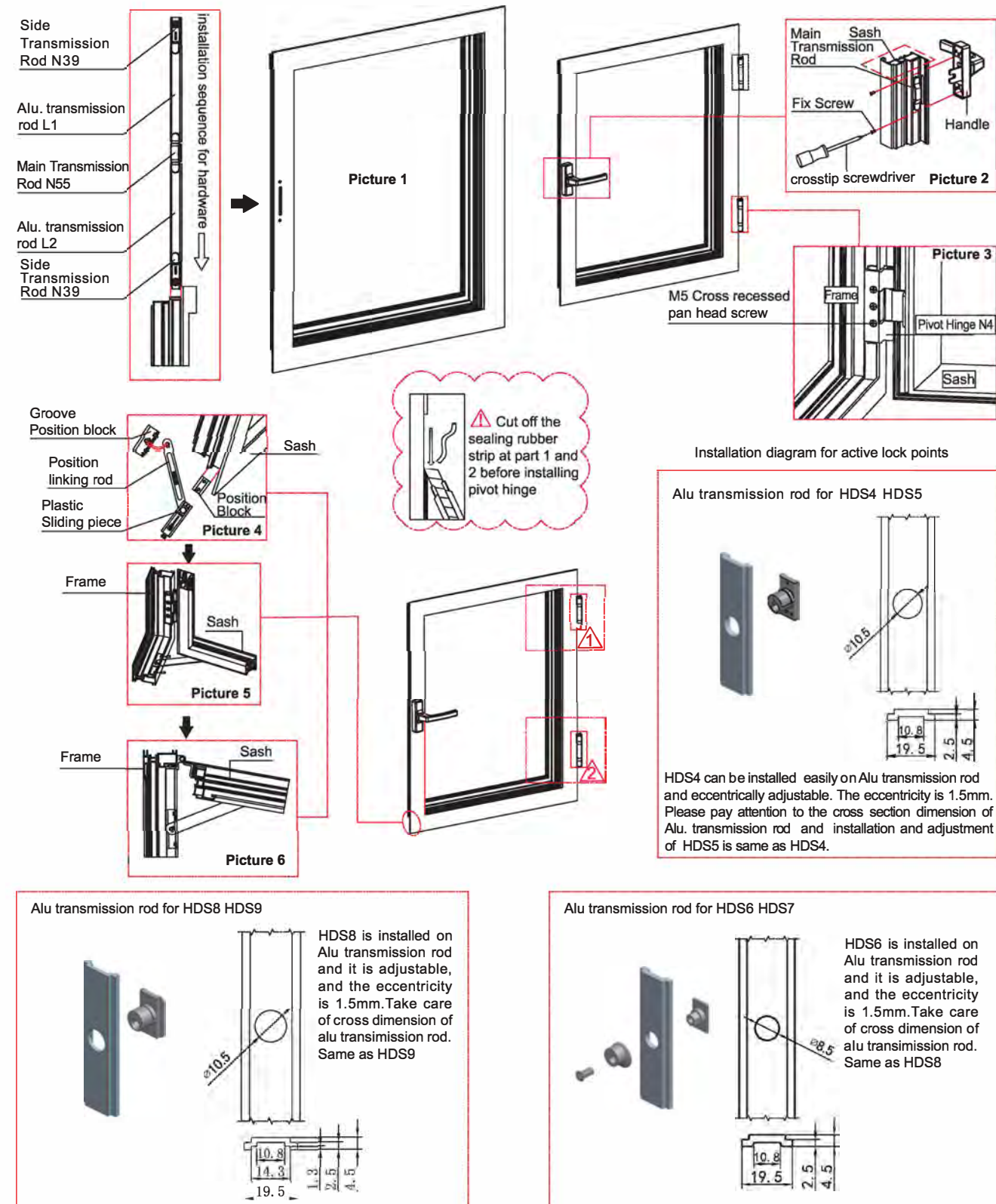
Configuration Instruction:

- ① Customers can select preferable handles taking reference to handle series
- ② Maximum load bearing capacity is 50KG
- ③ Items in green are optional. Suggest taking middle locking plate to prevent sash deformation and to ensure sealability for large size window
- ★ This configuration is not suitable for open out&tilt and top hung window

Open-in & Side-hung Window Series Schematic diagram for Window with Multi-Point Lock on Single side



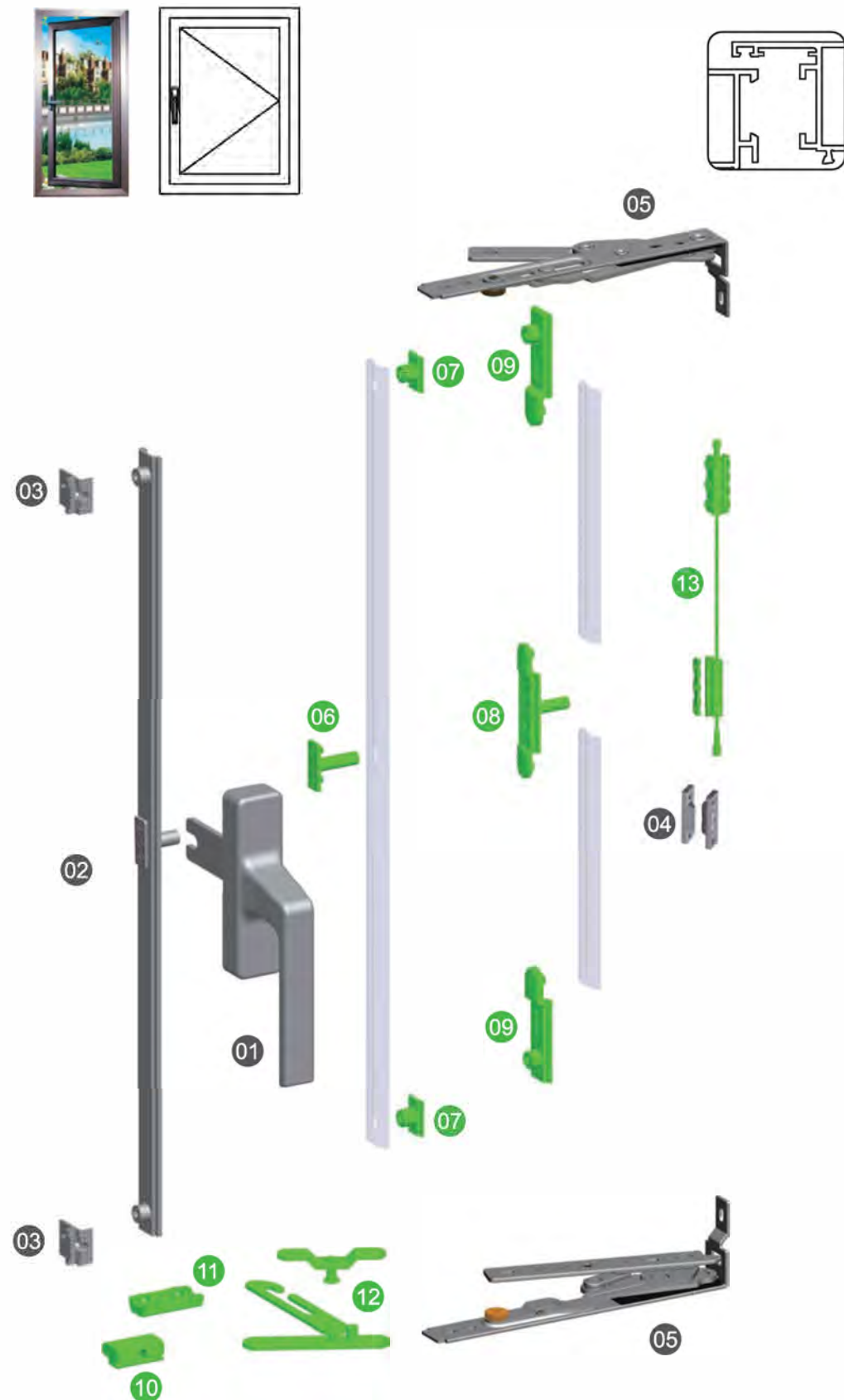
Open-in & Side-hung Window Series Installation Instructions for Window with Multi-Point Lock on Single side



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 you select hardware different with the above, please drill hole according to your selection. The above sketch is just for order and installation reference.

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



Hardware Configuration for WK100 Series

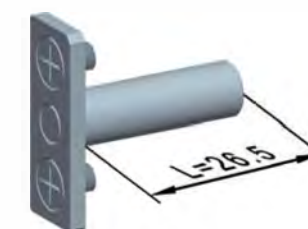
Number	Product Name	Code	Quantity	Remark
01	Handle (Left&Right)	CZS320	1	Optional ①
02	Alu. Transmission Rod	LZDC02	1	The length depends on window dimension
03	Locking plate	ZA1-6A	2	
04	Middle Locking plate	SK75	1	
05	Open-out Friction stay (Left&Right)	WJL100	2	Product of Friction Stay&Peg stay Division
06	Linking Rod	ZCD-08	1	Include 2 pcs M4*6 screws
07	Active Lock Point	HDS8	2	Refer to active lock point operation instruction
08	Main Transmission Rod	ZCD75	1	exposed Pin size is 22mm
09	Side Transmission Rod	N39	2	
10	Supporting Block	N34A	1	
11	Cushion block	N33	1	
12	Safety Lock Hook (Left&Right)	AQQ01	1	②
13	Safety Disengagement Preventer	FTQ25/I	1	Product of Friction Stay&Peg stay Division ③

Optional handles for reference

Handle CZS131	Handle CZS132	Handle CZS133	Handle CZS336
			

Configuration Instruction:

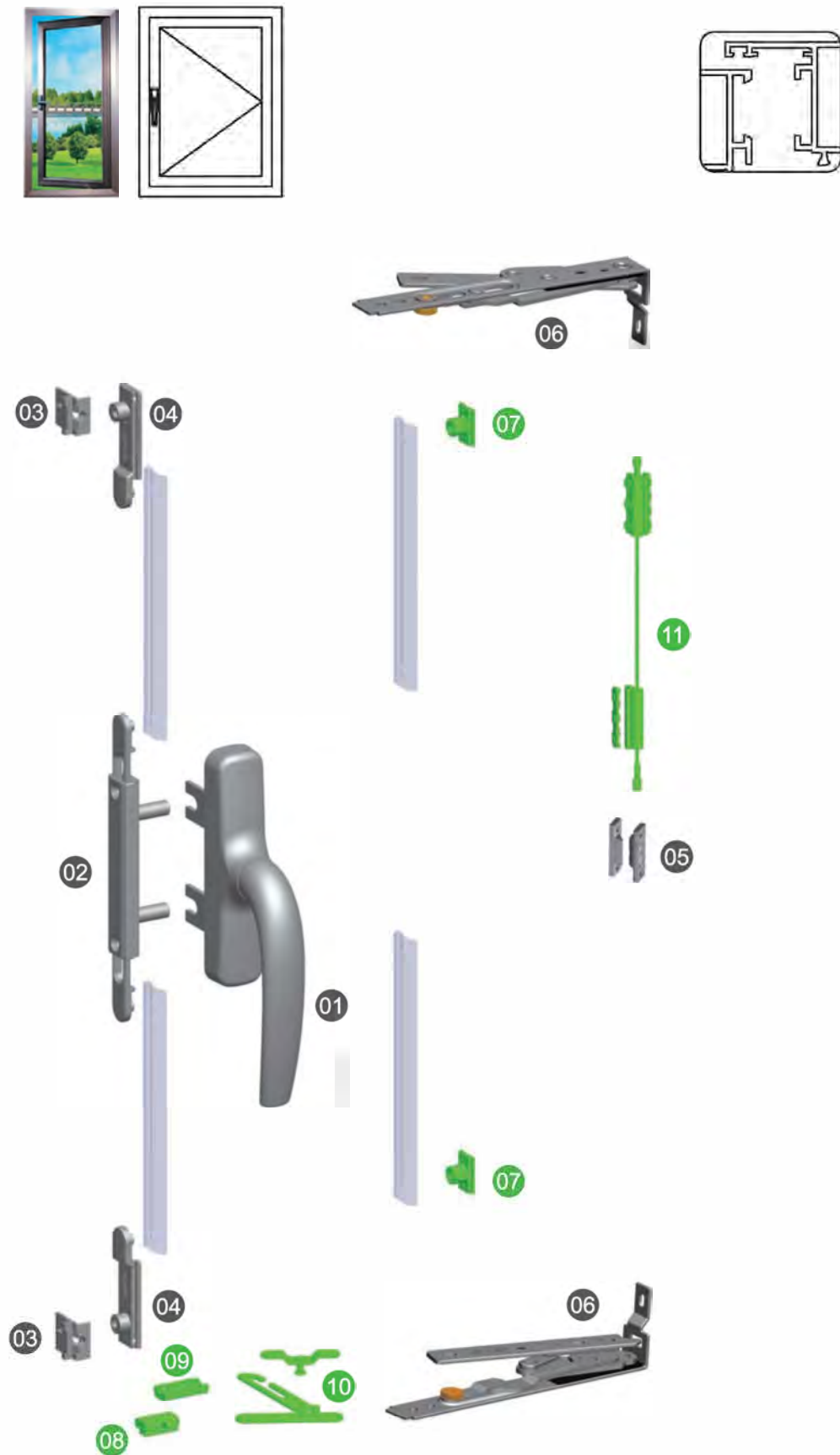
- ① Customers can select preferable handles taking reference to handle series
- ② Items in green are optional and the safety locking hook can increase the safety of open-out window, especially in public area and rooms for the elder and children
- ③ Safety Disengagement Preventer is suggested for high-rise side -hung windows
- ④ Pin length of item 6 ZCD-08 can be selected as below:



Note:

- When customize item 6 connecting plate ZCD-08 according to actual demand, please mark the length of L according to the above picture.
- The length of L is customized at the increment/ decline by 0.5mm.

2-2 WK300 Series Open-out Side Hung window with C-groove



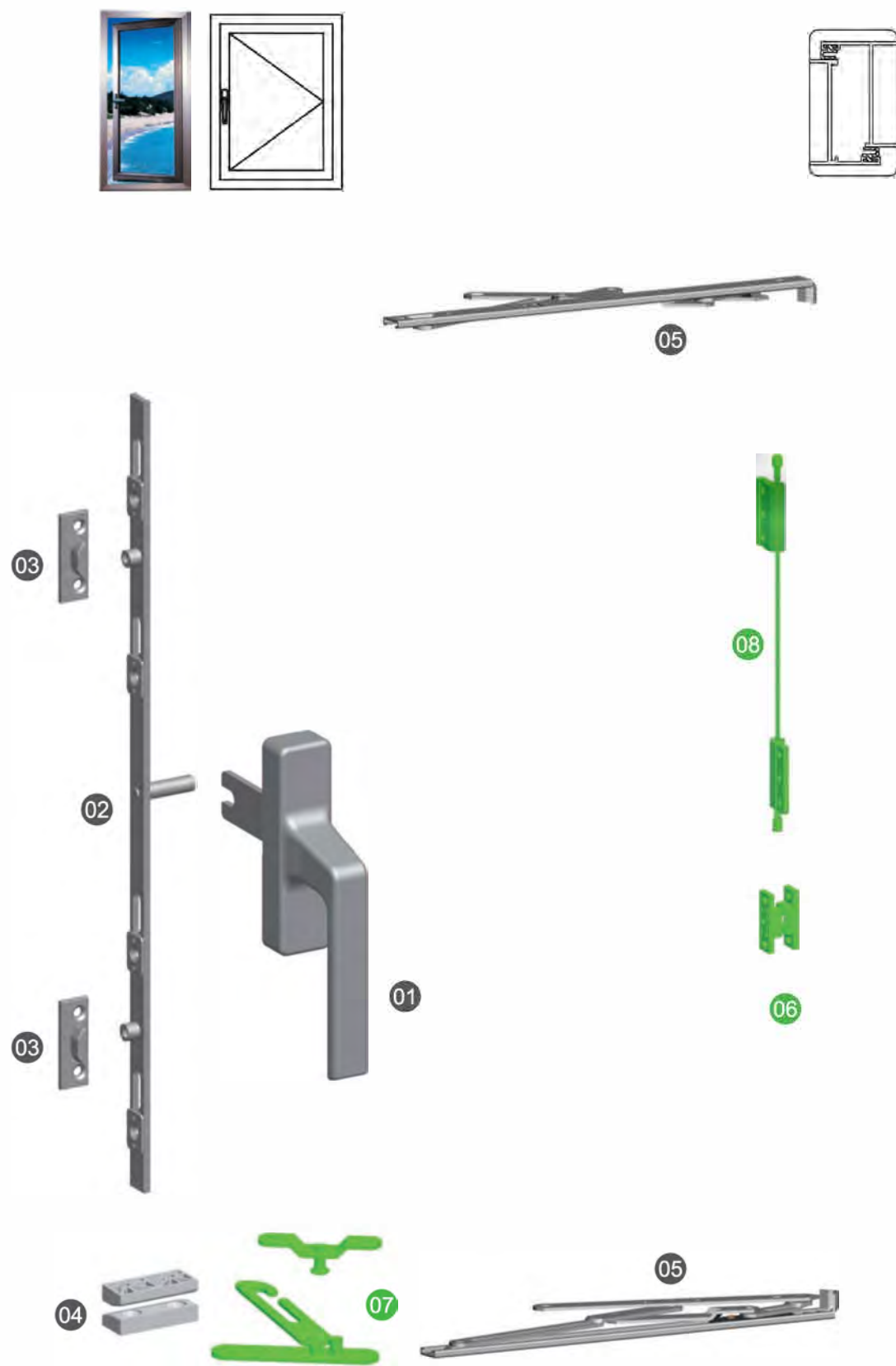
Hardware Configuration for WK300 Series

Number	Product Name	Code	Quantity	Remark
01	Handle(Left&Right)	CZS560	1	
02	Transmitter	CDQ17	1	
03	Locking plate	ZA1-6A	2	
04	Side Transmission Rod	N39	2	
05	Middle Locking Plate	SK75	1	
06	Open-out Friction stay (Left&Right)	WJL100	2	Product of Friction Stay&Peg stay Division
07	Active Lock Point	HDS8	2	Refer to active lock point operation instruction ①
08	Supporting Block	N34A	1	
09	Cushion block	N33	1	
10	Safety Lock Hook(Left&Right)	AQQ01	1	②
11	Safety Disengagement Preventer	FTQ25/I	1	Product of Friction Stay&Peg stay Division ③

Configuration Instruction:

- ① Length of Transmission rod and quantity of locking point depends on window dimensions. (Three or more locking points are suggested if the window height $\geq 800\text{mm}$)
- ② 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
- ③ Safety Disengagement Preventer is suggested for high-rise side-hung windows.

2-3 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	T01A	2	
04	anti-drop block	1630FJS-16	2	
05	Friction stay	HC510	2	Product of Friction Stay&Peg stay Division and dimension depends on window size ②
06	Middle Locking Plate	SK75	1	③
07	Safety Locking Hook (Left&Right)	AQQ02	1	④
08	Safety Disengagement Preventer	FTQ25	1	Product of Friction Stay&Peg stay Division ⑤

Optional handles and friction stays for reference

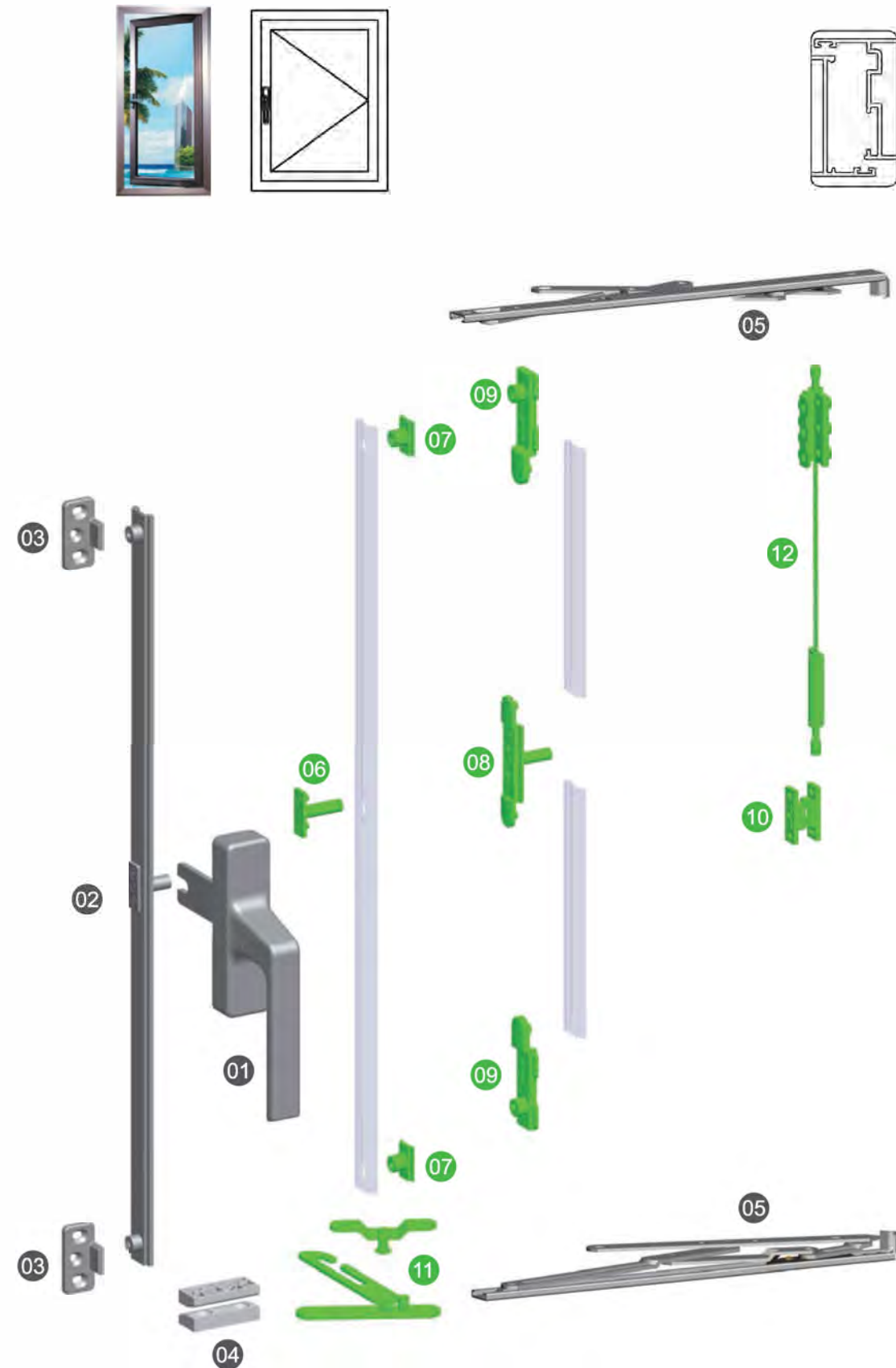
Handle K320	Handle CZS132	Handle CZS133	Handle CZS336
			

Friction stay HC400A	Friction stay HC450	Friction stay HC420	Friction stay HC410
			

Configuration Instruction

- ① Customers can select preferable handles taking reference to 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 ≥800mm)
- ③ 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
- ④ 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.

2-4 WK700 Series Open-out Side Hung Window with C-groove in single side



Hardware Configuration for WK700 Series

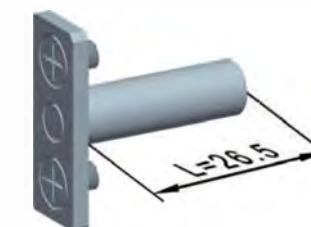
Number	Product Name	Code	Quantity	Remark
01	Handle(Left&Right)	CZS320	1	Optional ①
02	Alu. Transmission Rod	LZDC01	1	The length depends on window dimension ②
03	Locking Plate	SK32B	2	
04	Anti-drop Piece	1630FJS-16	2	
05	Friction Stay	HC510	2	Product of Friction Stay& Peg stay Division The size depend on window dimension ①
06	Linking Rod	ZCD-08	1	Including 2 piece of M4*6 screws
07	Active Lock Point	HDS9	2	Please see instruction of active locking point
08	Main Transmission Rod	ZCD75	1	exposed Pin size is 22mm
09	Side Transmission Rod	N38A	2	
10	Middle Locking Plate	SK75	1	③
11	Safety Lock Hook(Left&Right)	AQQ02	1	④
12	Safety Disengagement Preventer	FTQ25/I-S	1	Product of Friction Stay& Peg stay Division ⑤

Optional handles and friction stays for reference

Handle CZS132	Handle CZS162	Friction stay HC400A	Friction stay HC450

Configuration Instruction

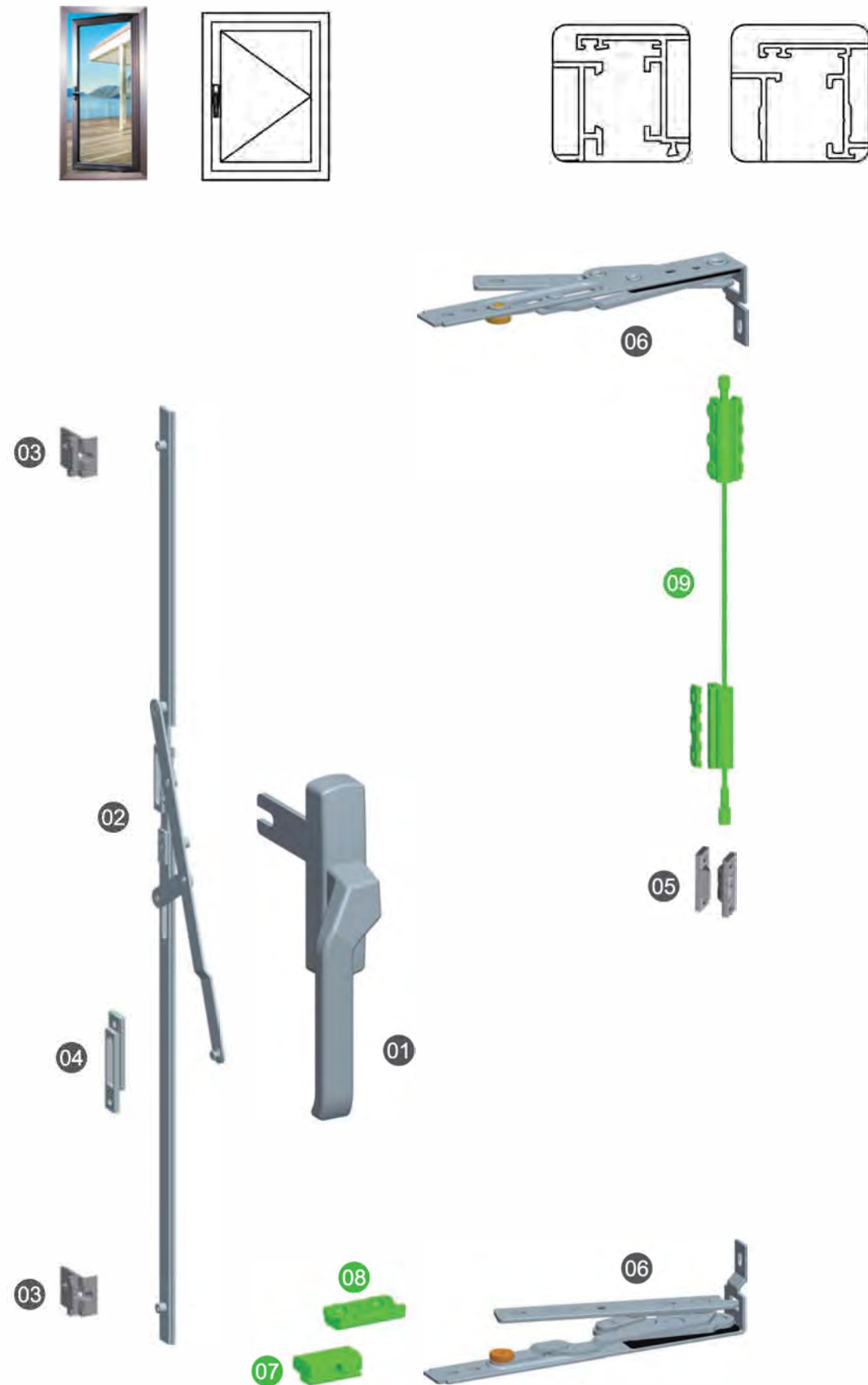
- ① Customers can select preferable handles taking reference to handle series.
- ② Length of Transmission rod and quantity of locking point depends on window dimensions.(Three or more lock points are suggested if the window height $\geq 800\text{mm}$)
- ③ Items in green are optional and in order to meet configuration of large size window, please add middle locking plate to prevent the sash from deforming and maintain the sealing performance of windows
- ④ 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 For the NO.6 fitting ZCD-08, selection of the pin length is as the below:



Note:

When customize NO.6 fitting connecting plate ZCD-08 according to actual demand, please mark the length of L in the above drawing.
The length of L is customized at the increment/ decline by 0.5mm.

2-5 WK800 Series Open-out Side Hung Window with Micro-ventilation and C-groove



Hardware Configuration for WK800 Series

Number	Product Name	Code	Quantity	Remark
01	Handle(Left&Right)	CZS163	1	Optional ①
02	Micro-ventilation Device	TFQ11-L	1	L=600, 800, 1000, 1200
03	Locking Plate	ZA1-6A	2	
04	Lock Hook	U06	1	②
05	Middle locking plate	SK75	1	
06	open-out Friction stay (Left&Right)	WJL100	2	Product of Friction Stay & Peg stay Division
07	Supporting Block	N34A	1	
08	Cushion Block	N33	1	
09	Safety Disengagement Preventer	FTQ25/I	1	Product of Friction Stay & Peg stay Division ③

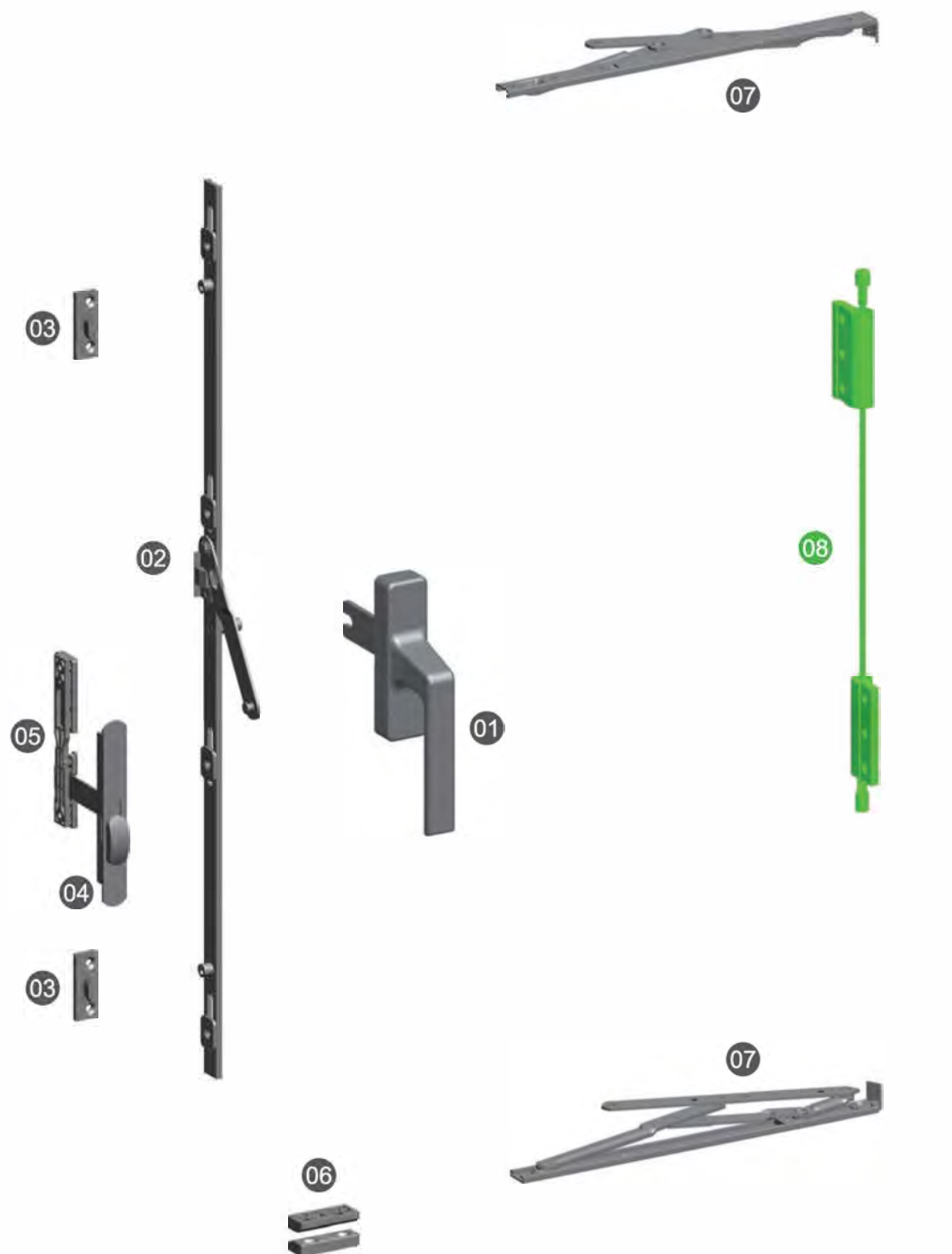
Optional handle for reference



Configuration Instruction

- ① Customers can select preferable handles taking reference to handle series
- ② When used on single- side C-groove frame, please change locking plate ZA1-6A to SK32B and NO.4 to U06-01-CK locking plate
- ③ Items in green are optional and safety disengagement preventer is suggested for high-rise side- hung windows

2-6 WK810 Series Open-out Side Hung Window with Micro-ventilation and without C-groove



Hardware Configuration for WK810 Series

Number	Product Name	Code	Quantity	Remark
01	Handle(Left&Right)	CZS320	1	Optional ①
02	Micro-ventilation Rod 2 (Left&Right)	LZDG22-L	1	L=600, 800, 1000, 1200
03	Locking plate	T01A	2	
04	Micro-ventilation switch	KG20	1	②
05	Lock hook	U08	1	
06	Anti-drop Piece	1630FJS-16	2	
07	Friction Stay	HC400A	2	Product of Friction Stay& Peg stay Division The size depends on window dimension ③
08	Safety Disengagement Preventer	FTQ25	1	Product of Friction Stay& Peg stay Division ④

Optional handles and friction stays for reference



Configuration Instruction

- ① Customers can select preferable handles taking reference to handle series
- ② Micro-ventilation device increases the safety of open-out window, especially in public area and rooms for the elder and children
- ③ Please take reference of introduction of friction stay series to confirm specification for friction stay based on window dimensions.
- ④ Item in green are optional. Safety Disengagement Preventer is suggested for high-rise side-hung windows

WK810 Series Characteristic description for Open-out Side Hung Window with Micro-ventilation and without C-groove

Feature

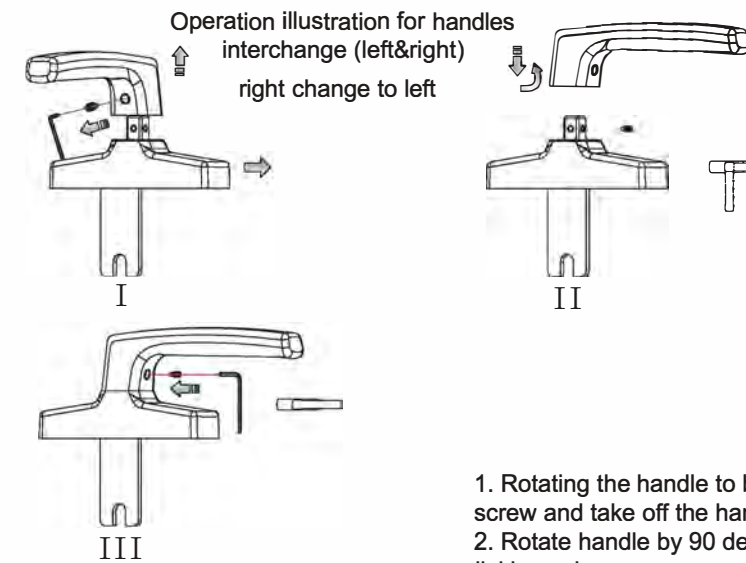
- ◆ Linkage operation by handle
- ◆ High strength under connecting rod type design
- ◆ High security and can avoid window falling
- ◆ Customized according to window specification
- ◆ High practicality, easy to clean



01

Feature of CZS320

- ◆ Steady design style
- ◆ Smooth transmission and comfortable feeling
- ◆ interchangeable of left&right at site
- ◆ Fix with rivet nut to strengthen stability



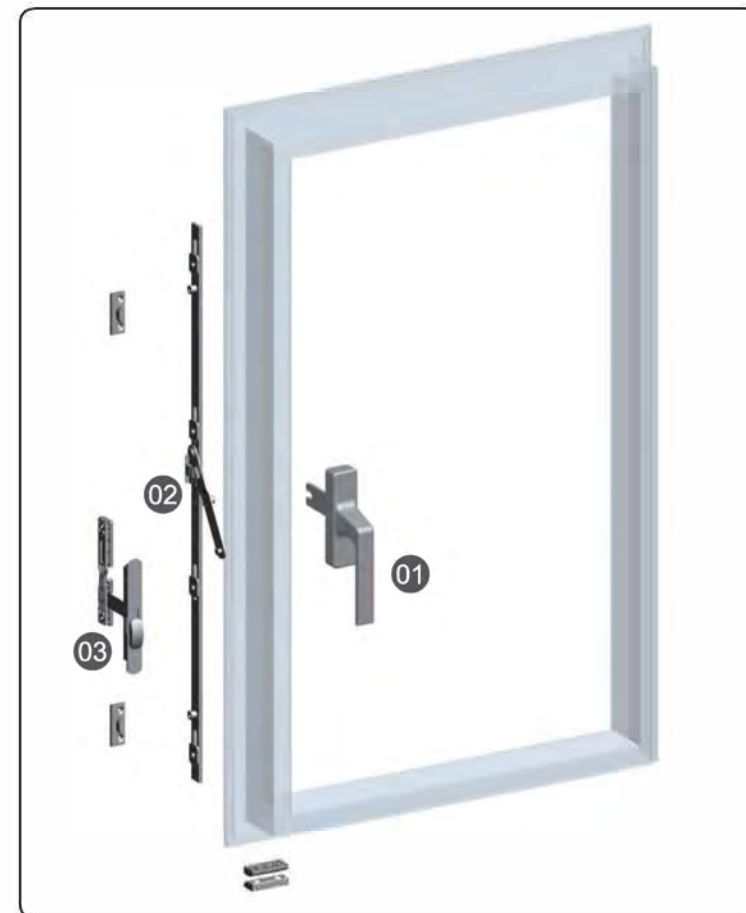
1. Rotating the handle to be level state as reference I, turn out screw and take off the handle
2. Rotate handle by 90 degree as reference II, and fix handle to linking axis
3. Tighten the screws and handle is changed to left type.



02

Features of LZDG22

- ◆ High strength security under connecting rod design.
- ◆ Combine the function of transmission and Micro-ventilation easy and quick installation
- ◆ Customized according to window specification



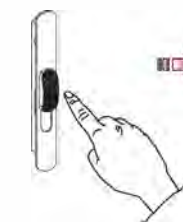
⚠ Please do not operate the switch at will after the window is opened!



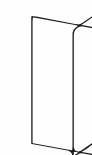
03

Feature of KG20&U08

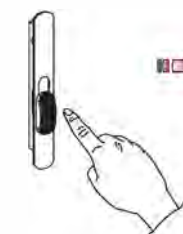
- ◆ Simple operation and easy installation
- ◆ Widely used



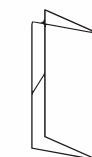
Please make the push button at the bottom of sliding groove when window is closed



Rotating the handle can make window open completely

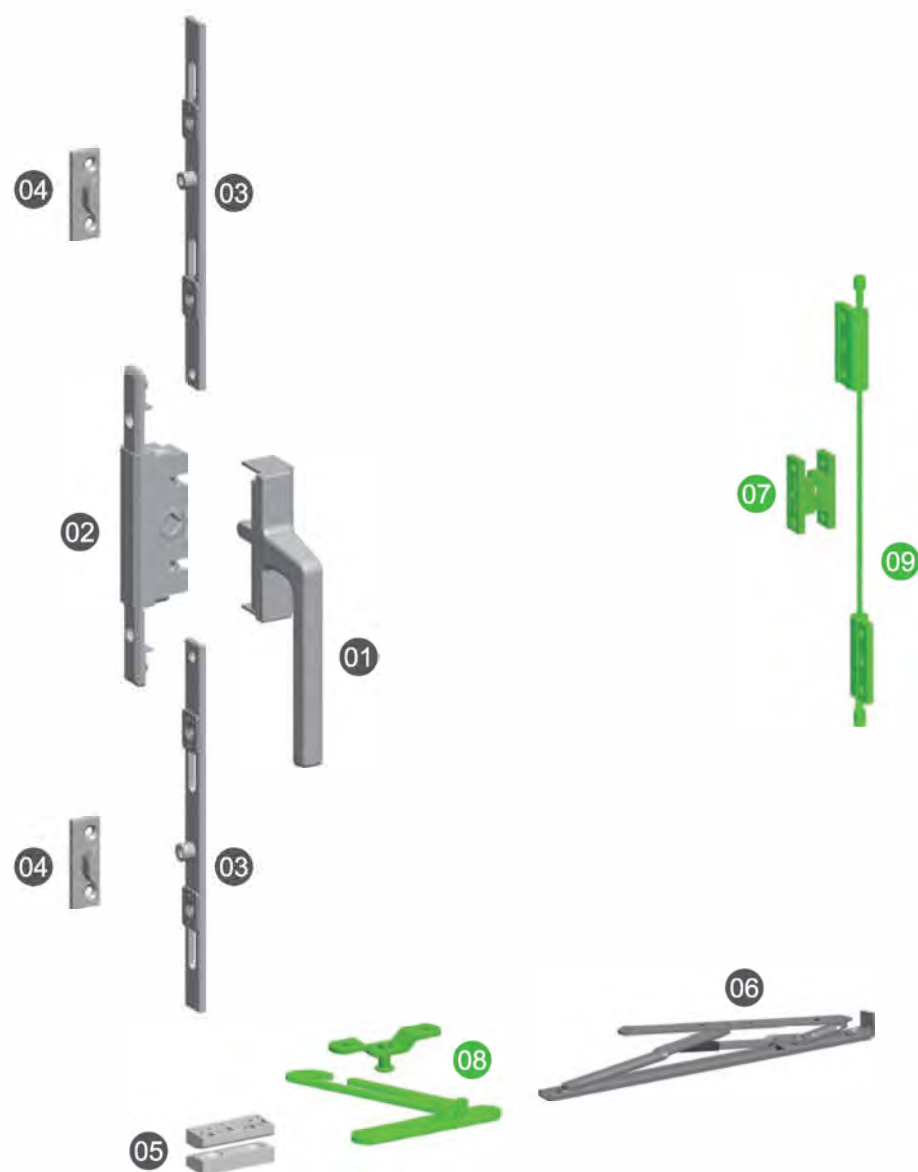


Please make the push button to the top of sliding groove when window is closed



Rotating the handle can make window be micro-ventilation state

2-7 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	Alu. Transmission Rod	LZDG05	2	The length depends on window dimension ①
04	Locking Plate	T01A	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 ①
07	Middle Locking Plate	SK75	1	②
08	Safety Lock Hook (Left&Right)	AQQ02	1	③
09	Safety Disengagement Preventer	FTQ25	1	Product of Friction Stay&Peg stay Division ④

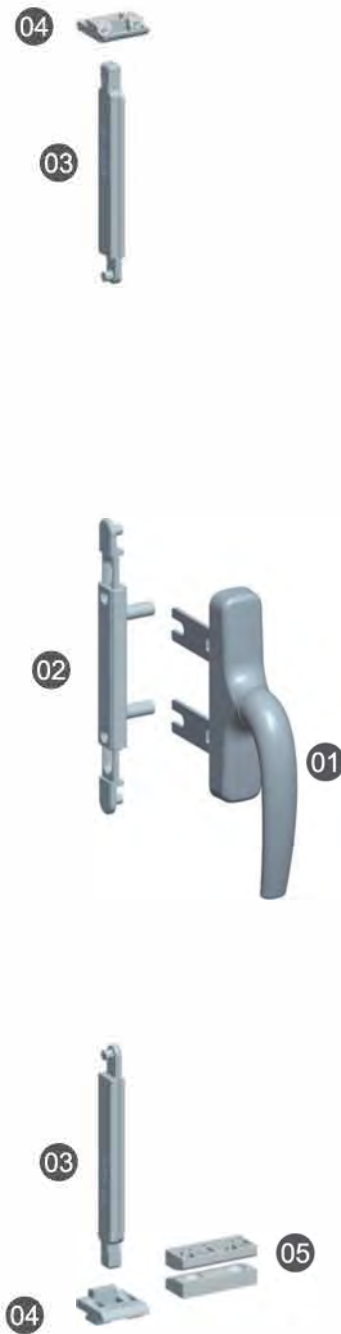
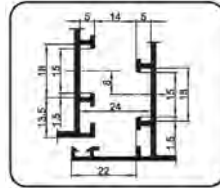
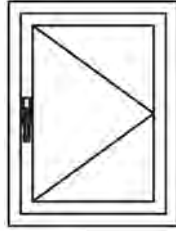
Optional friction stays for reference



Configuration Instruction

- ① Length of Transmission rod and quantity of locking points depends on window dimensions.
(Three or more lock points are needed if the window height \geq 800mm)
Size of friction stay depends on the window dimension and refer to Friction Stay series .
- ② Items in green are optional, and applicable to screen window.
- ③ The safety lock hook improves the safety factor of open-out window, especially in public area and rooms for the elder and children
- ④ Safety Disengagement Preventer is suggested for high-rise side-hung windows

2-8 WK910 Series Open-Out Side Hung Window with 18C Groove



Hardware Configuration for WK910 Series

Number	Product Name	Code	Quantity	Remark
01	Handle (Left&Right)	CZS560	1	Optional
02	Transmitter	CDQ18	1	Exposed pin size is 17mm
03	Socket	CXG10	2	
04	Locking Plate	SK18	2	
05	Anti-Drop Piece	1630FJS-16	2	

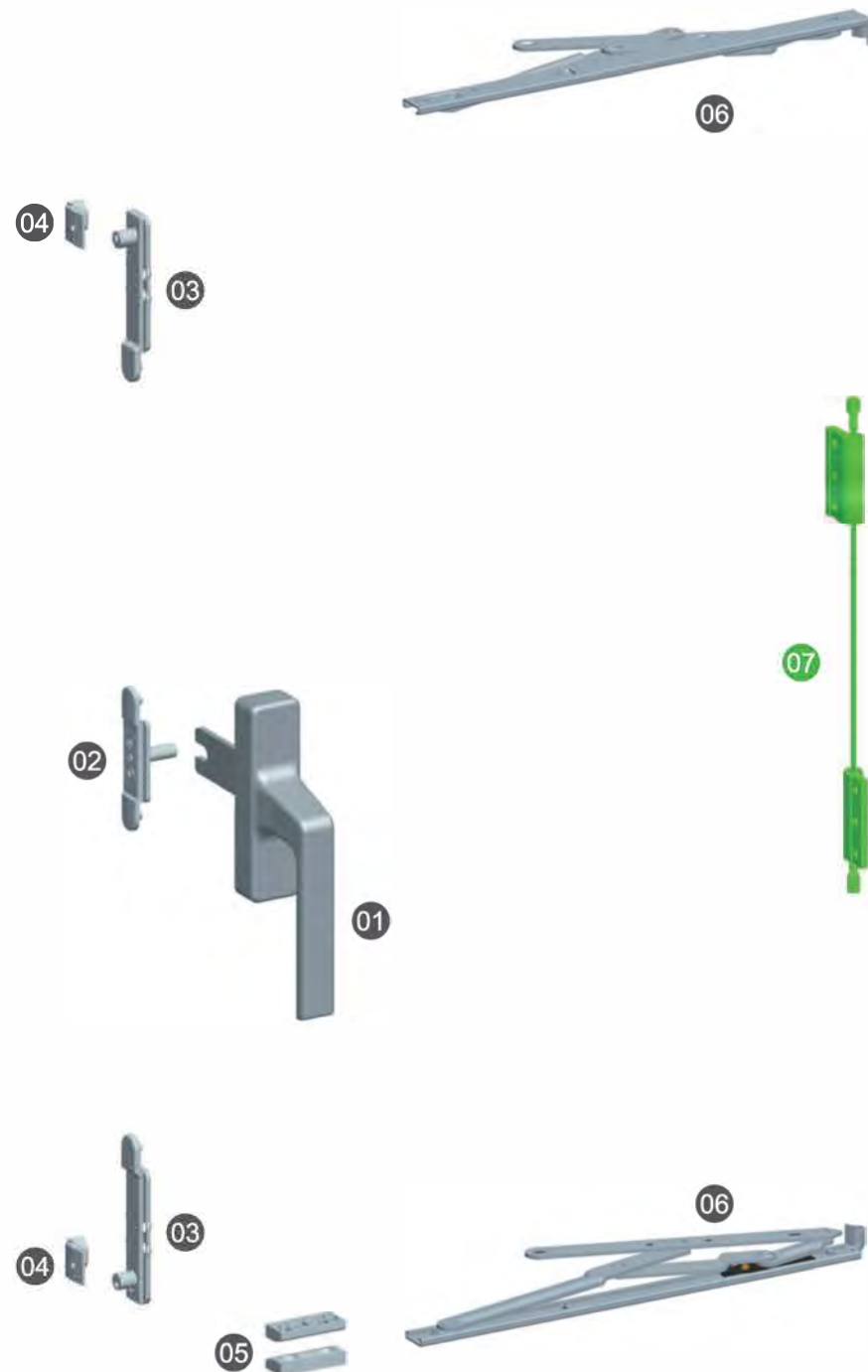
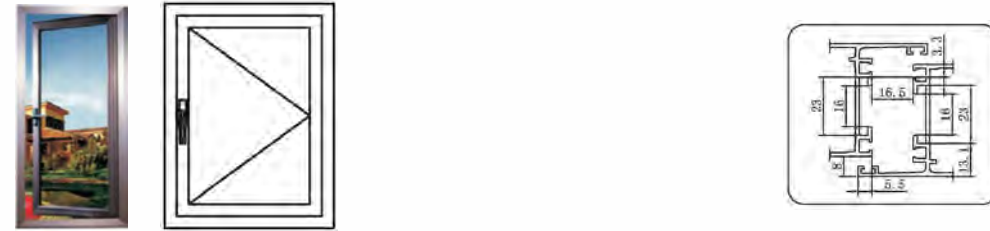
Configuration Instruction

- ① Hinge J18 can apply to this profile
- ② Friction Stay is suggested to be used on open-out side-hung window

J18 合页参阅图



2-9 WK1100 Series Open-out Side Hung Window with 23C groove



Hardware Configuration for WK1100 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS120	1	Optional ①
02	Main Transmitter	ZCD70	1	Exposed pin size is 15mm
03	Side Transmitter	CDG40	2	
04	Locking Plate	SK26	2	
05	Anti-Drop Piece	1630FJS-16	2	
06	Friction Stay	HC510	2	Product of Friction Stay&Peg stay Division The size depends on window dimension ①
07	Safety Disengagement Preventer	FTQ25	1	Product of Friction Stay&Peg stay Division ②

Optional Handles and Friction stays for reference

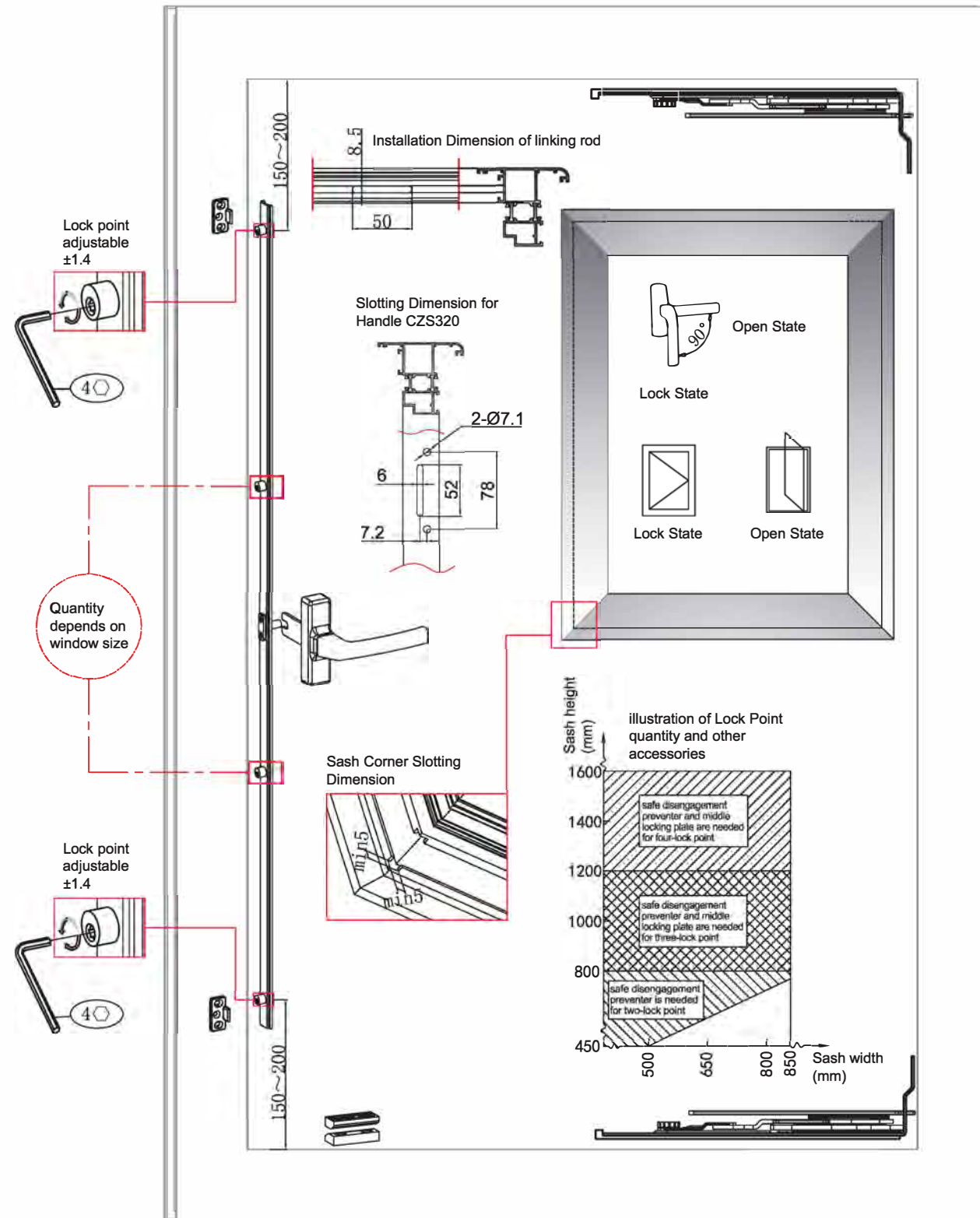
Handle CZS131	Handle CZS132	Handle CZS133	Handle CZS162

Friction Stay HC400A	Friction Stay HC450	Friction Stay HC420	Friction Stay HC410

Instruction

- ① Customers can select preferable handles taking reference to handle series. Please take reference of introduction of friction stay series to confirm specification for friction stay based on window dimensions.
- ② Safety Disengagement Preventer is suggested for high-rise side-hung window
- ★ applied to 45DS open-out side-hung series profile

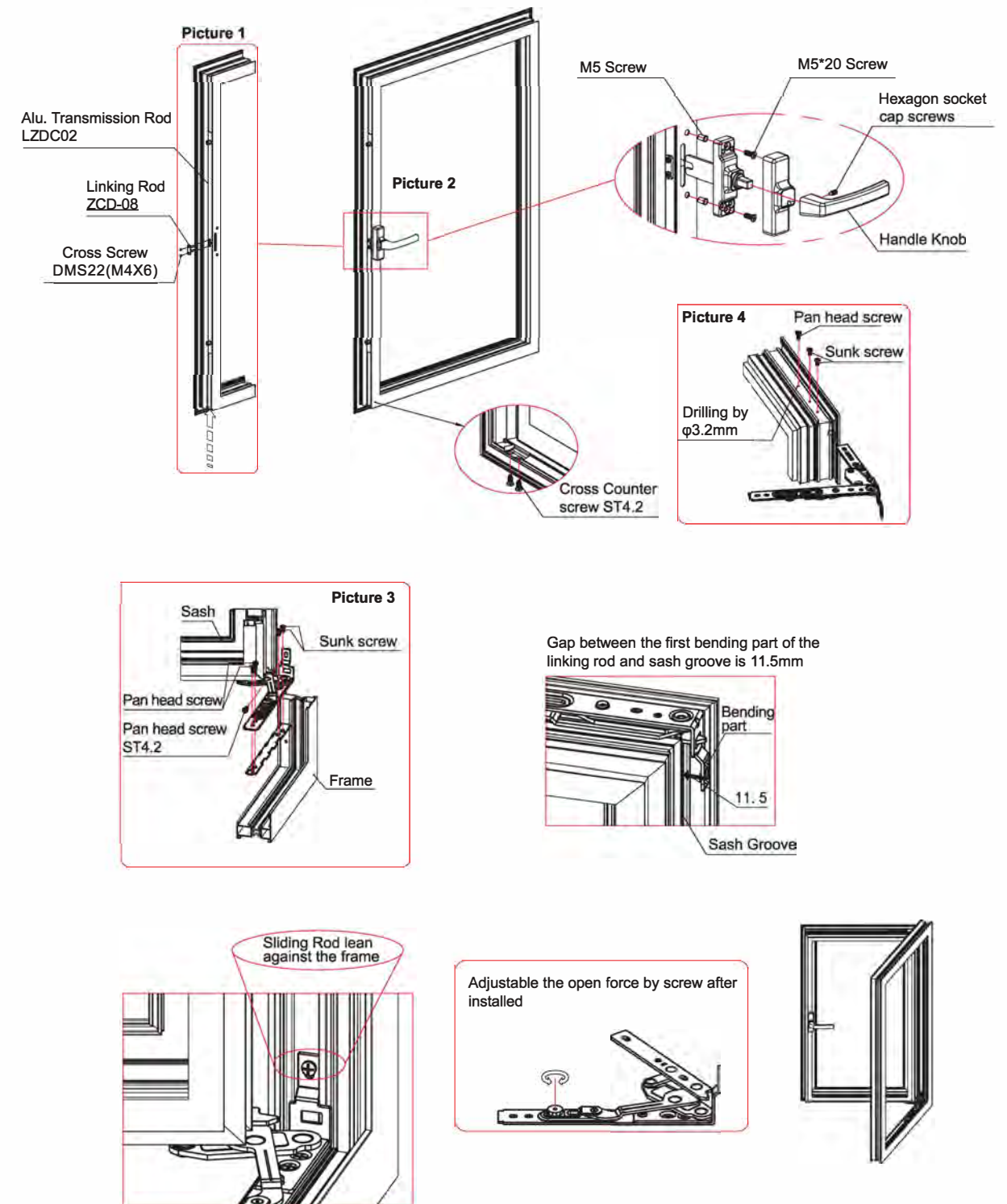
Adjustment illustration for Open-out Side Hung Window with Multi-Point Lock on Single side



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

Installation illustration for Open-out Side Hung Window with Multi-Point Lock on Single side

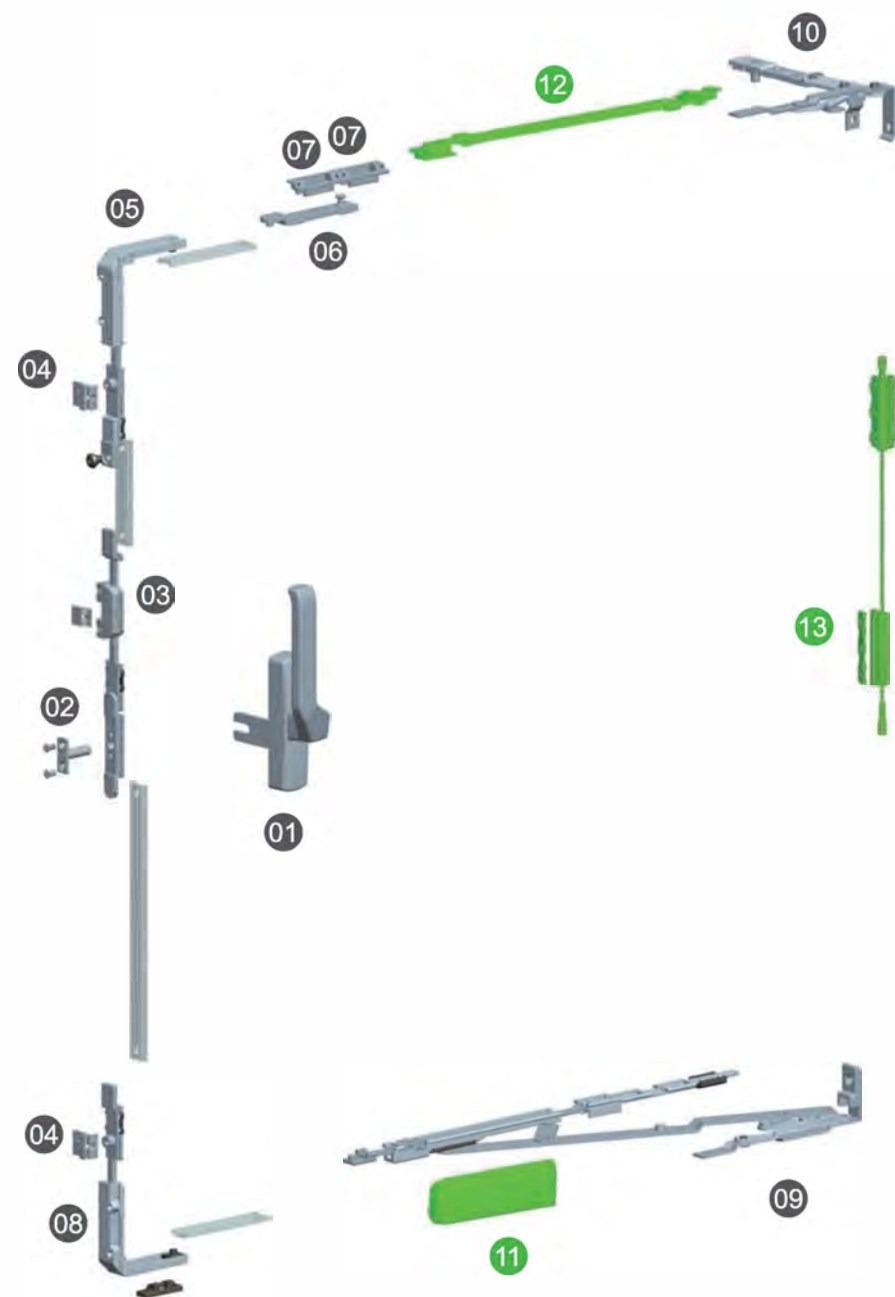
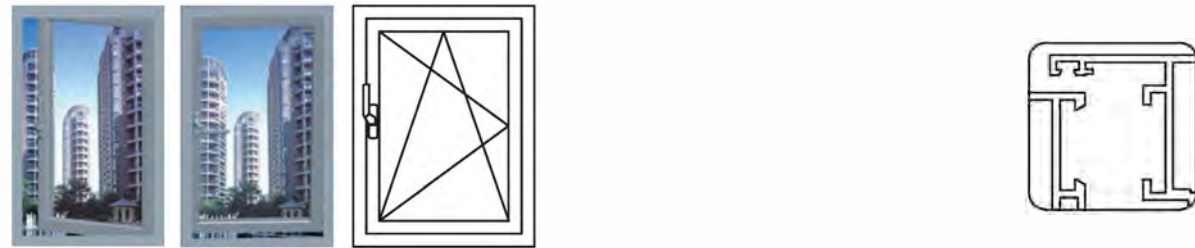
Installation sequence for hardware
Please follow the steps as picture 1, 2, 3.....



⚠ 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.

3-1 WPS100 Series Open-out Top- Hung Window with Multi-point Lock on Two sides

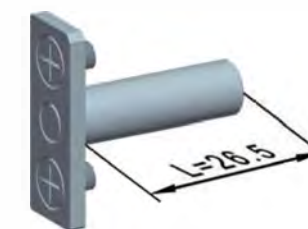
Hardware Configuration for WPS100 Series



Number	Product Name	Code	Quantity	Remark
01	Handle	CZS163	1	Left&Right
02	Connecting Rod	ZCD-08	1	
03	Misuse Transmission Rod	FWG12	1	Including small locking block
04	Locking Plate	ZA1-6A	2	
05	Corner Device	ZC2	1	
06	Side Transmission Rod	N42	1	
07	Locking Plate	SK53	2	
08	Corner Device	ZC1	1	
09	Bottom Hinge	YWSB10	1	Left&Right
10	Upper Hinge	YWSA10	1	Left&Right
11	Handle	CLS10	1	
12	Limiter	PX13-440	1	
13	Disengagement Preventer	FTQ25/I	1	

Configuration Instruction

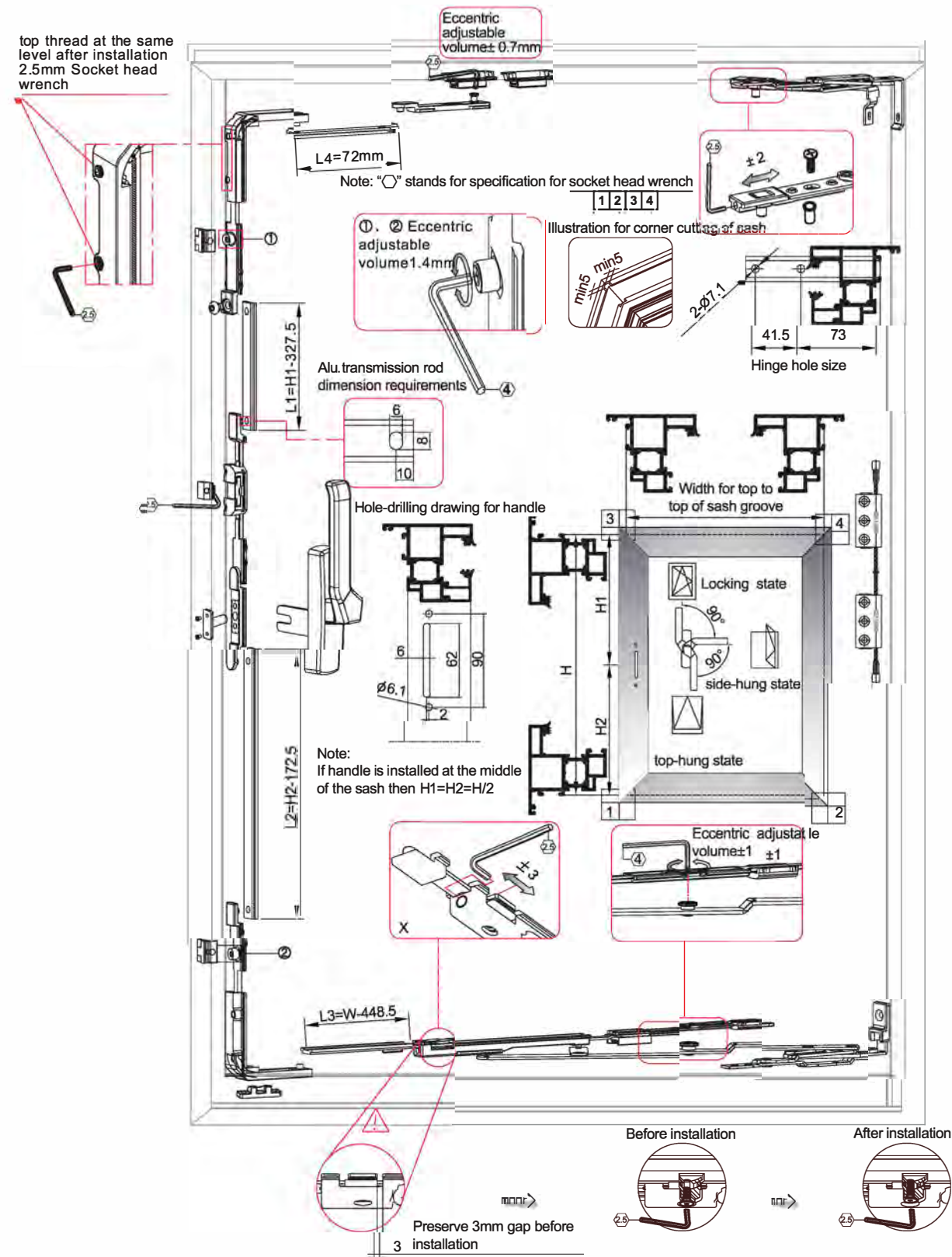
- ① Please keep the distance of locking points within 400mm.
- ② The hardware can apply to window with width 520-800mm and height 600-1200mm. For window width 635-800mm, please use limiter PX13-440 and for window width 480-520mm, please use bottom hinge YWSB12.
- ③ Bearing capacity: ≤ 45kg, suggested window proportion (Height:Width) 1.5:1.
- ④ For the NO.2 fitting ZCD-08, selection of pin length is as the below:
 ★ The height and width of window is the distance from top of groove to the top of groove



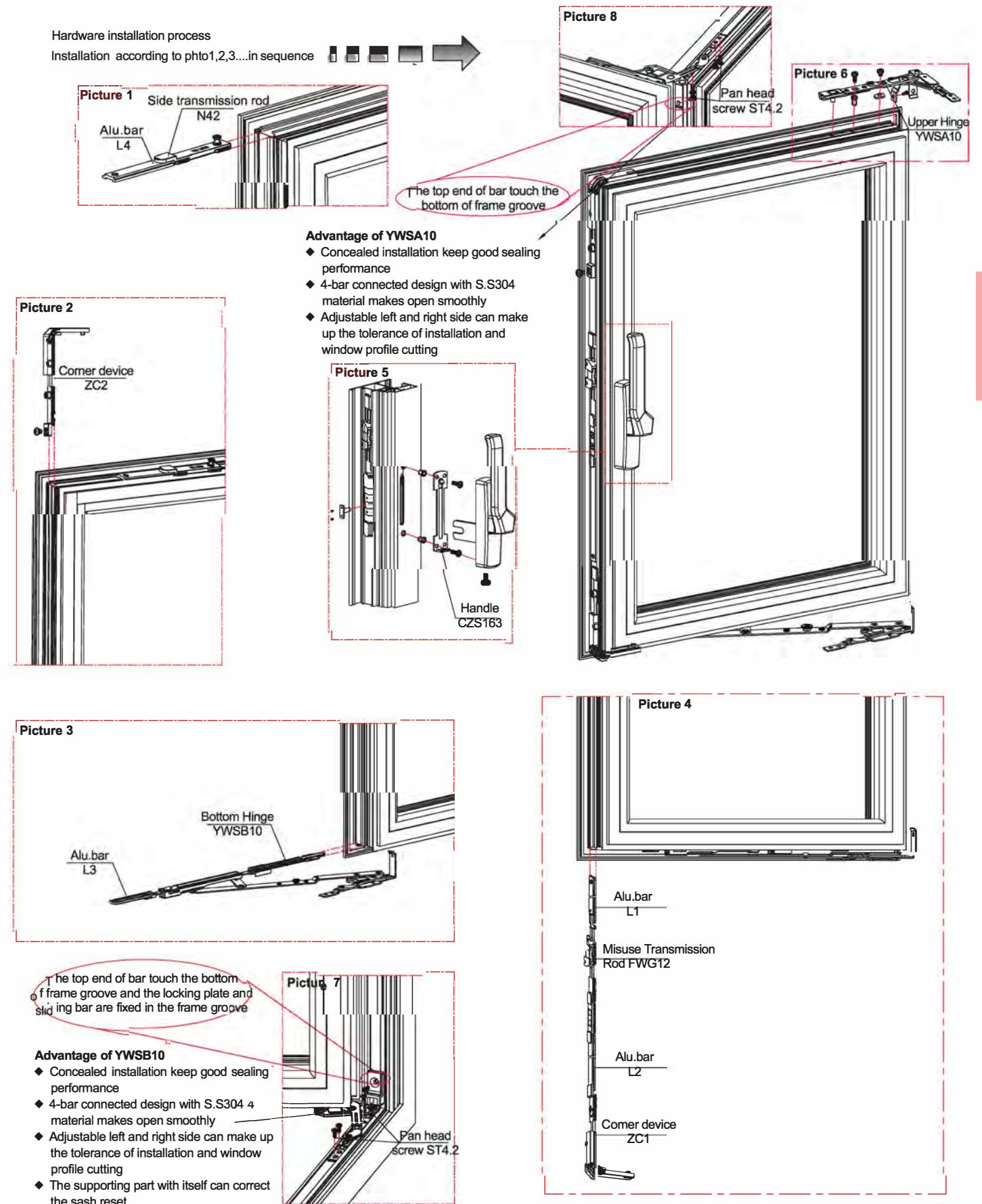
Note:

When customize NO.2 fitting connecting plate ZCD-08 according to actual demand, please mark the length of L in the above drawing.
 The length of L is customized at the increment/ decline by 0.5mm.

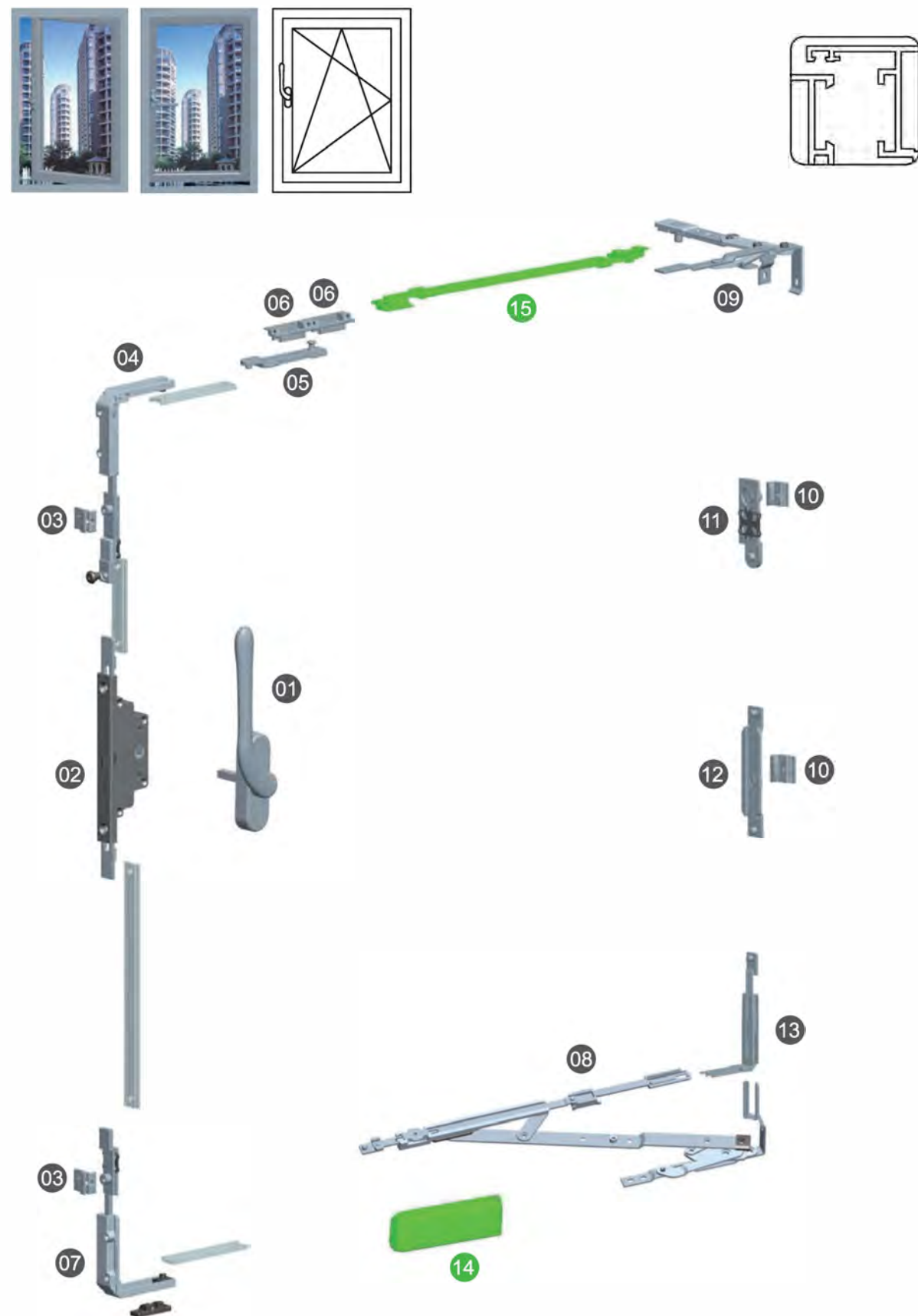
WPS100 series Adjustment Illustration for Open-out Top-Hung Window with Multi-point on Two sides



WPS100 series Installing Illustration for Open-out Top-Hung Window with Multi-point on Two sides



3-2 WPS200 Series Open-out Top-Hung Window with Multi-point Lock on Multi-sides



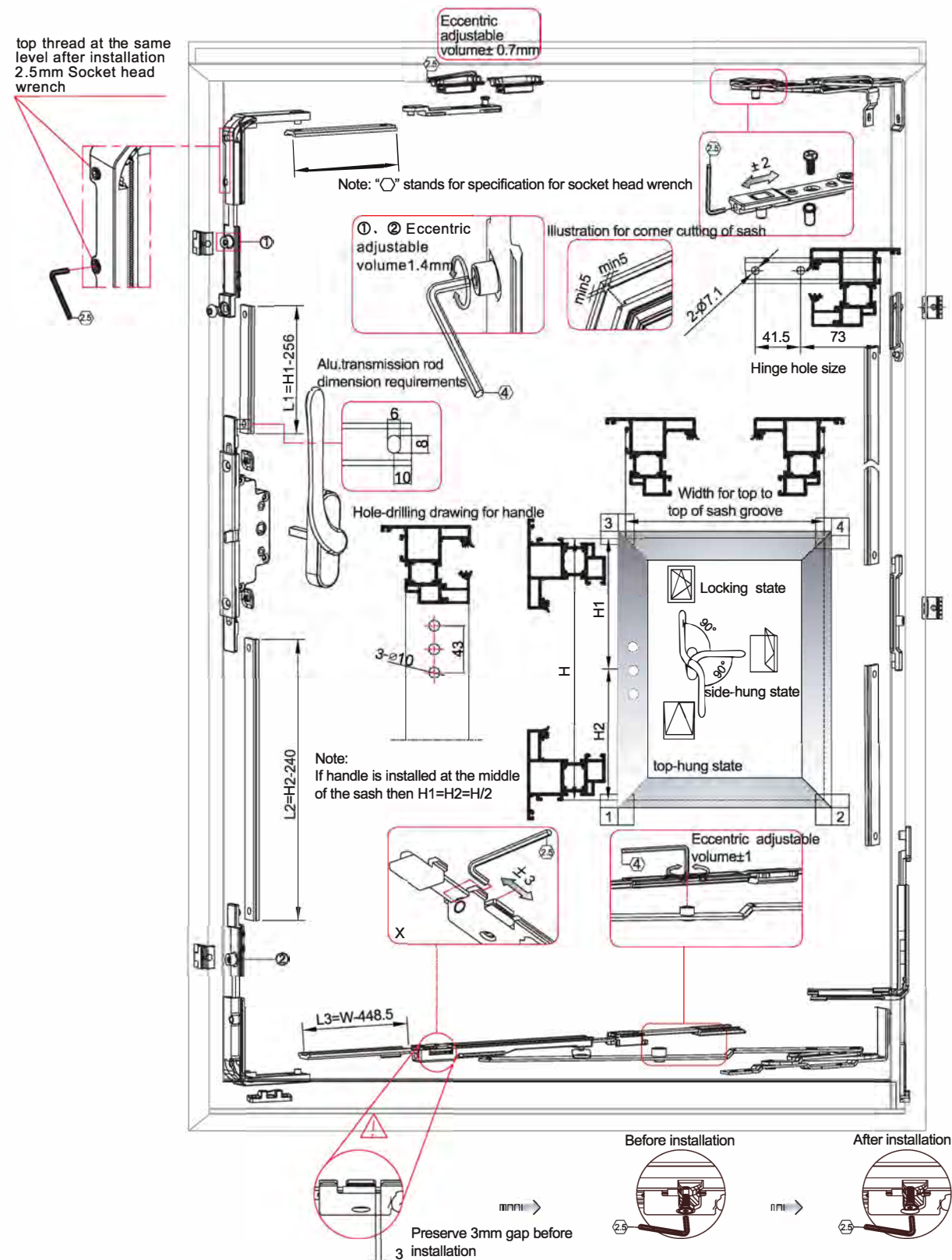
Hardware Configuration for WPS200 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS637	1	Left&Right
02	Transmission Rod	CDQ40	1	
03	Locking Plate	ZA1-6A	2	
04	Corner Device	ZC2	1	
05	Side Transmission Rod	N42	1	
06	Locking Plate	SK53	2	
07	Corner Device	ZC1	1	
08	Bottom Hinge	YWSB11	1	Left&Right
09	Upper Hinge	YWSA10	1	Left&Right
10	Locking Plate	SK28	2	
11	Side Transmission Rod	N40	1	
12	Middle Transmission Rod	N41A	1	
13	Corner Device	ZB1	1	
14	Handle	CLS10	1	
15	Limiter	PX13-440	1	

Configuration Instruction

- ① Please keep the distance of locking points within 400mm
- ② The hardware can apply to window with width 520-800mm and height 600-1200mm
For window width 635-800mm, please use limiter PX13-440
- ③ Bearing capacity: ≤ 45kg, suggested window proportion (Height:Width) 1.5:1.
- ★ The height and width of window is the distance from top of groove to the top of groove

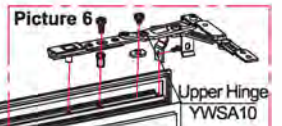
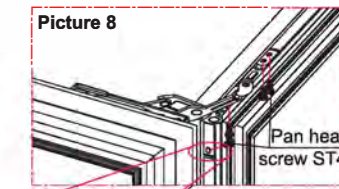
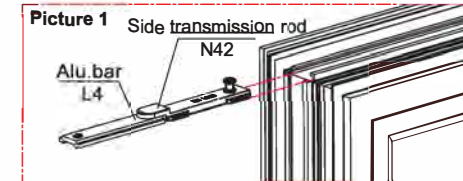
WPS200 series Adjustment Illustration for Open-out Top-Hung Window with Multi-point on Multi sides



WPS200 series Installing Illustration for Open-out Top-Hung Window with Multi-point on Multi sides

Hardware installation process

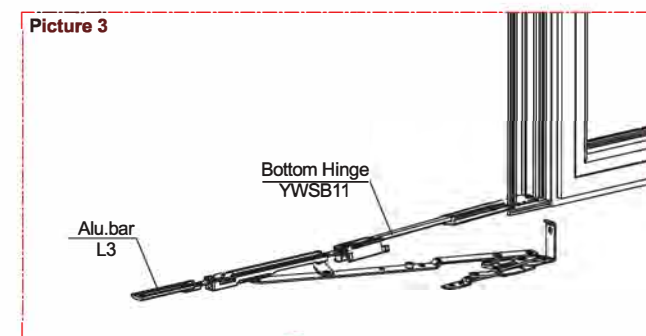
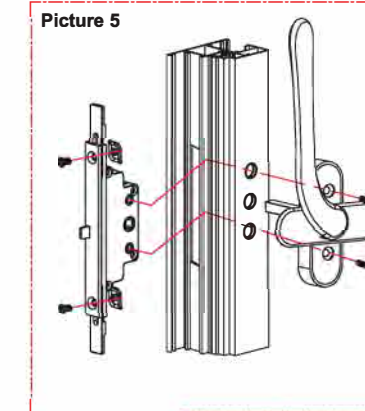
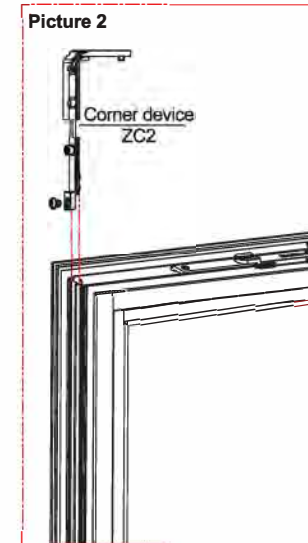
Installation according to photo 1, 2, 3... in sequence



The top end of bar touch the bottom of frame groove

Advantage of YWSA10

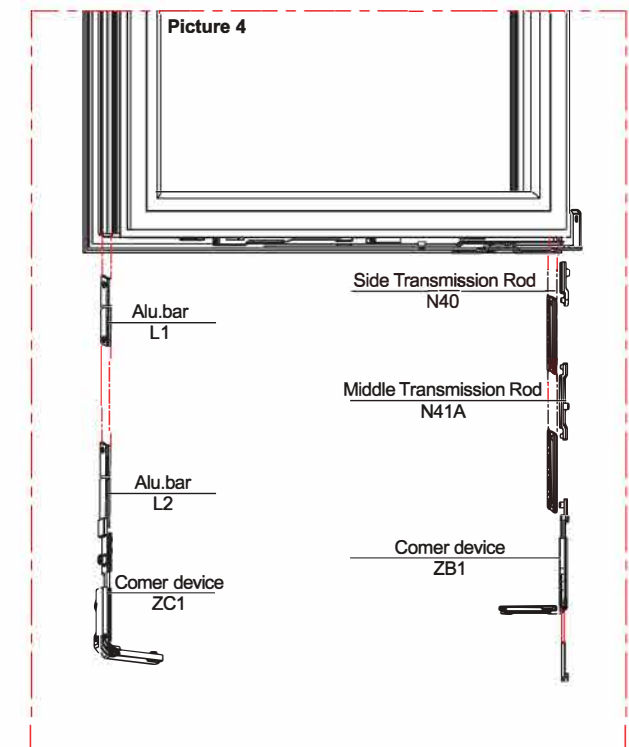
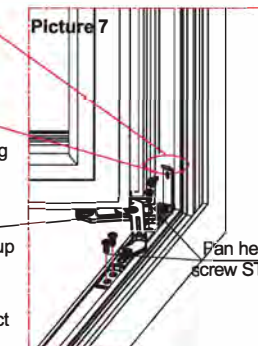
- ◆ 4-bar connected design with S.S304 material makes open smoothly
- ◆ Adjustable left and right side can make up the tolerance of installation and window profile cutting



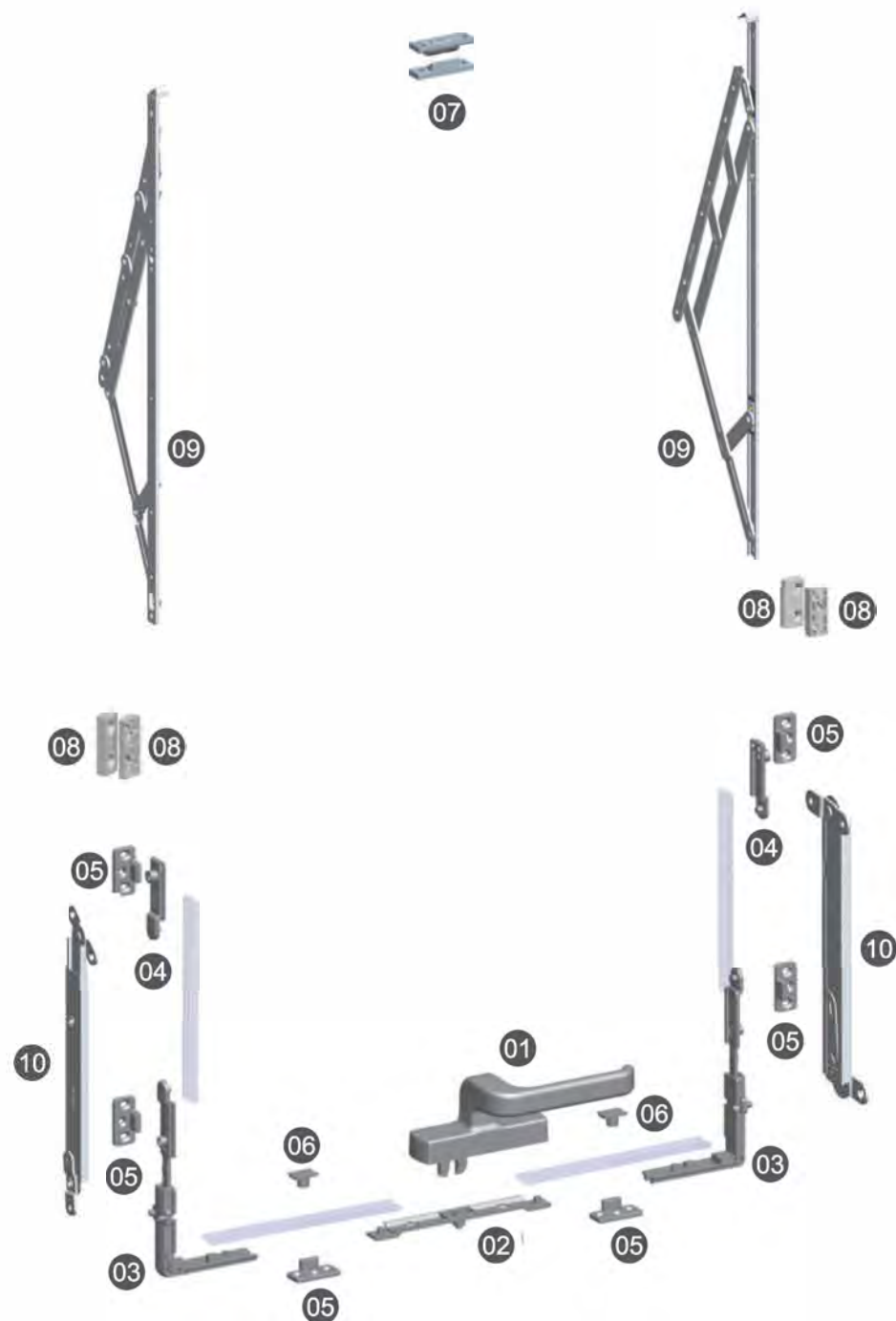
The top end of bar touch the bottom of frame groove

Advantage of YWSB11

- ◆ Concealed installation keep good sealing performance
- ◆ 4-bar connected design with S.S304 material makes open smoothly
- ◆ Adjustable left and right side can make up the tolerance of installation and window profile cutting
- ◆ The supporting part with itself can correct the sash reset



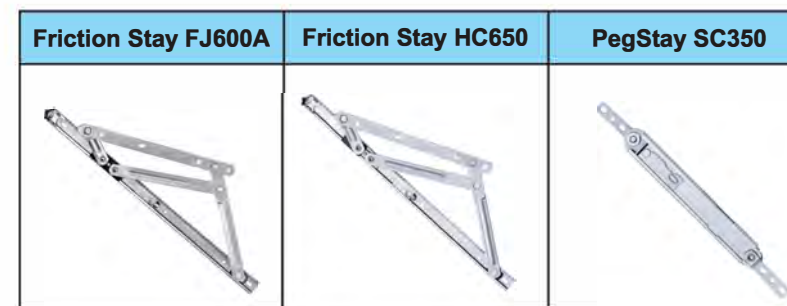
4-1 MQ100 Series Curtain Wall Top Hung Window



Hardware Configuration for MQ100 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS619	1	Optional
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	HDS9	2	Refer to the instruction of active lock point ①
07	Middle Locking Plate	SK75	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 ②
10	Pegstay (Left&Right)	SC320	2	Product of Friction Stay&Peg stay Division The size depends on window dimension ③

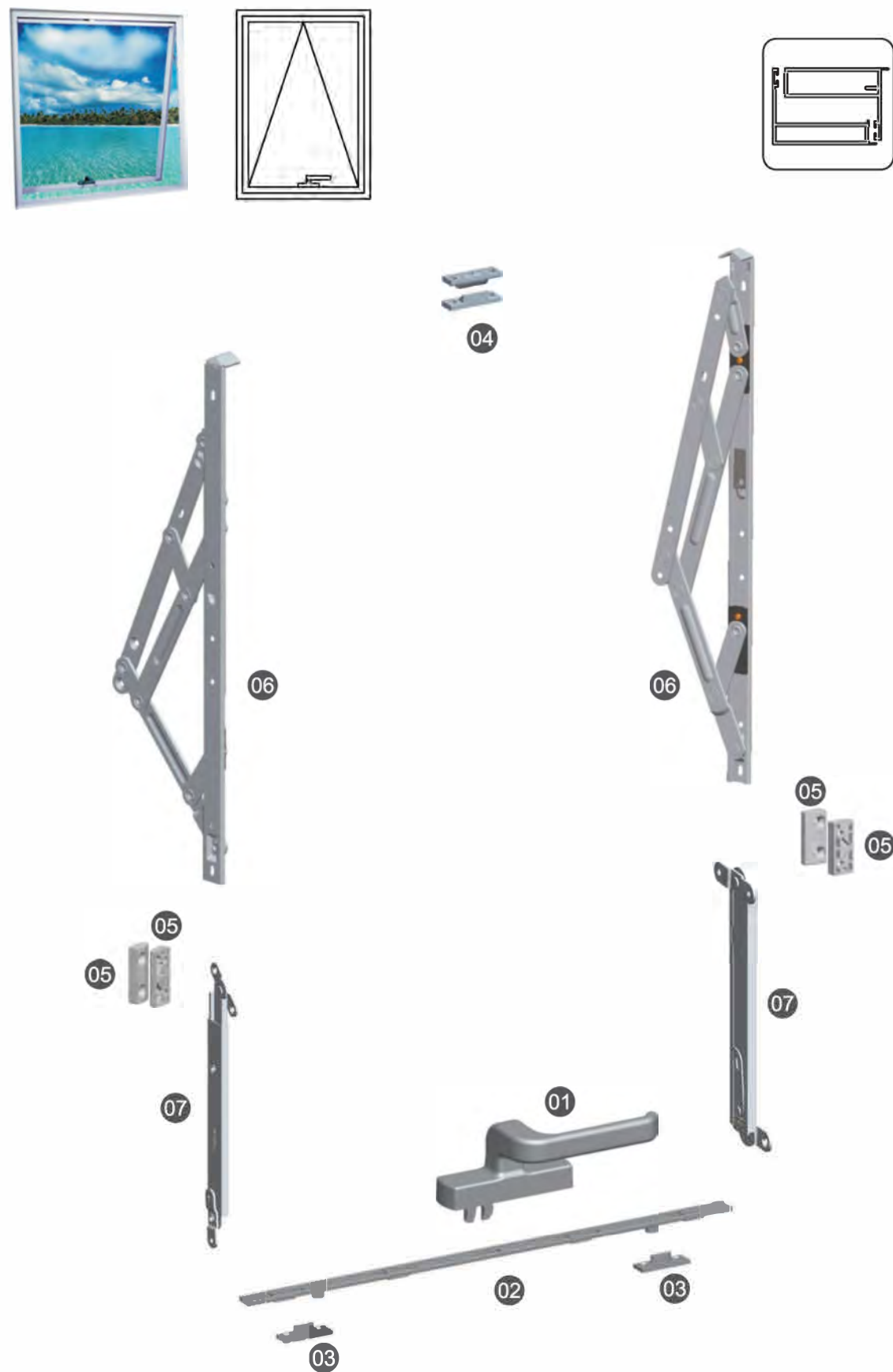
Optional Handles and Friction stays for reference



Instruction

- ① Adding active lock point on the transmission rod is compulsory for more than 6-point locking window.
- ② Load bearing capacity of the window depends on friction stay
- ③ Safety coefficient will be improved when pegstay is used.

4-2 MQ200 Series Curtain Wall Top Hung Window



Hardware Configuration for MQ200 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS619	1	Optional
02	Alu.Transmission Rod	LZDG03	1	Length depends on the window type ①
03	Locking Plate	T01A	2	
04	Middle Locking Plate	SK75	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 ②
07	Pegstay (Left&Right)	SC320	2	Product of Friction Stay&Peg stay Division The size depends on window dimension ③

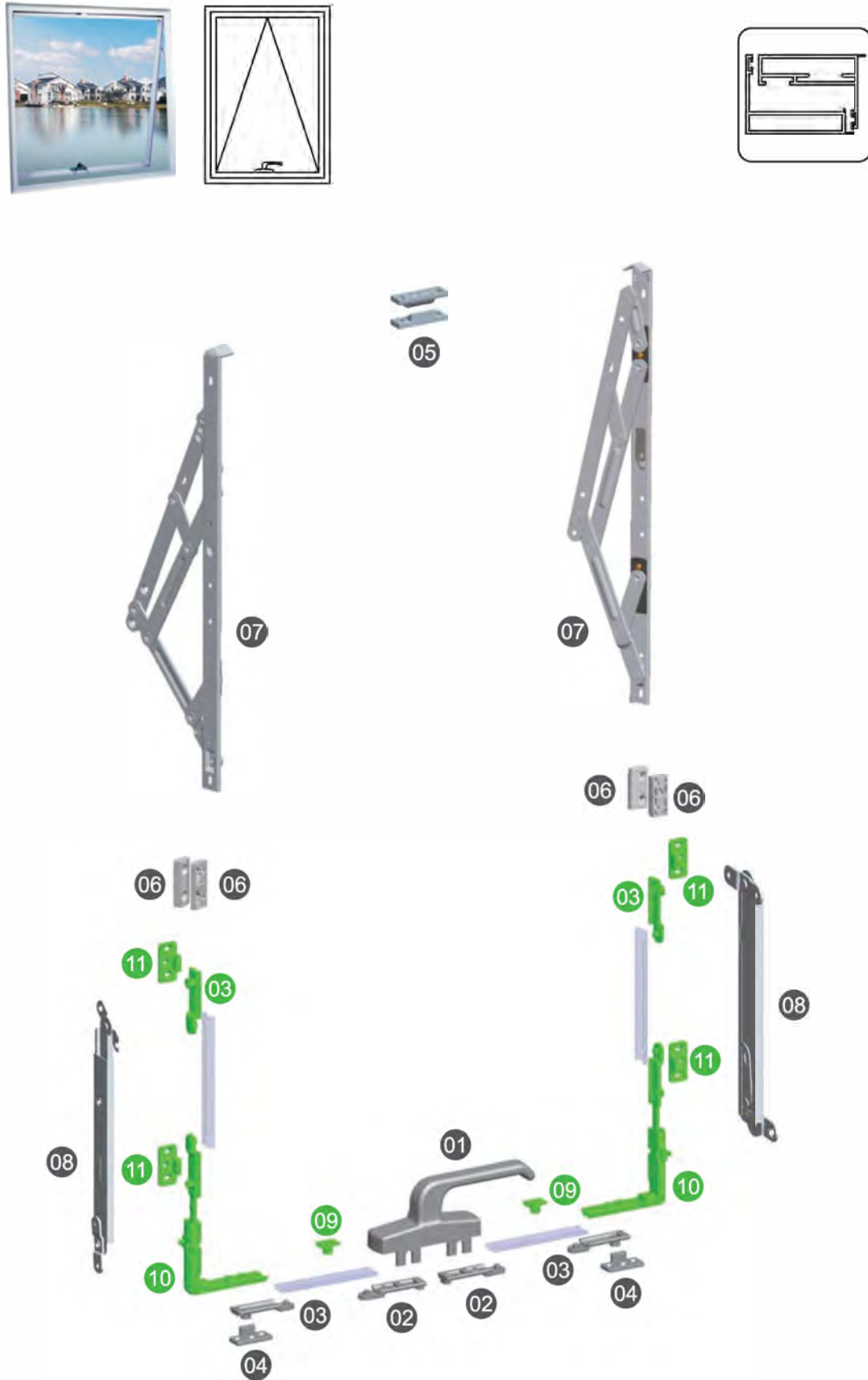
Optional Handles and Friction stays for reference



Configuration Instruction

- ① The length of transmission rod and quantity of locking points depends on the size of sash, (if the window is wider than 800mm, it is suggested using 3 or more locking points.)
- ② Friction stay selection depends on window dimension specified on friction stay catalogues.
- ③ Selection of peg stay will help to increase the safety of the window
- ★ Sash height should be less than 1200mm when the maximum opening distance is 300mm

4-3 MQ300 Series Curtain Wall Top Hung Window



Hardware Configuration for MQ300 Series

Number	Product Name	Code	Quantity	Remark
01	Handle (Left&Right)	CZS519	1	
02	Main Transmission Rod	N10	2	
03	Side Transmitter	N40	2	
04	Locking Plate	SK32B	2	
05	Middle Locking Plate	SK75	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	HDS9	2	Refer to instruction of active lock point ③
10	Corner Device	ZA3	2	
11	Locking Plate	SK32B	4	

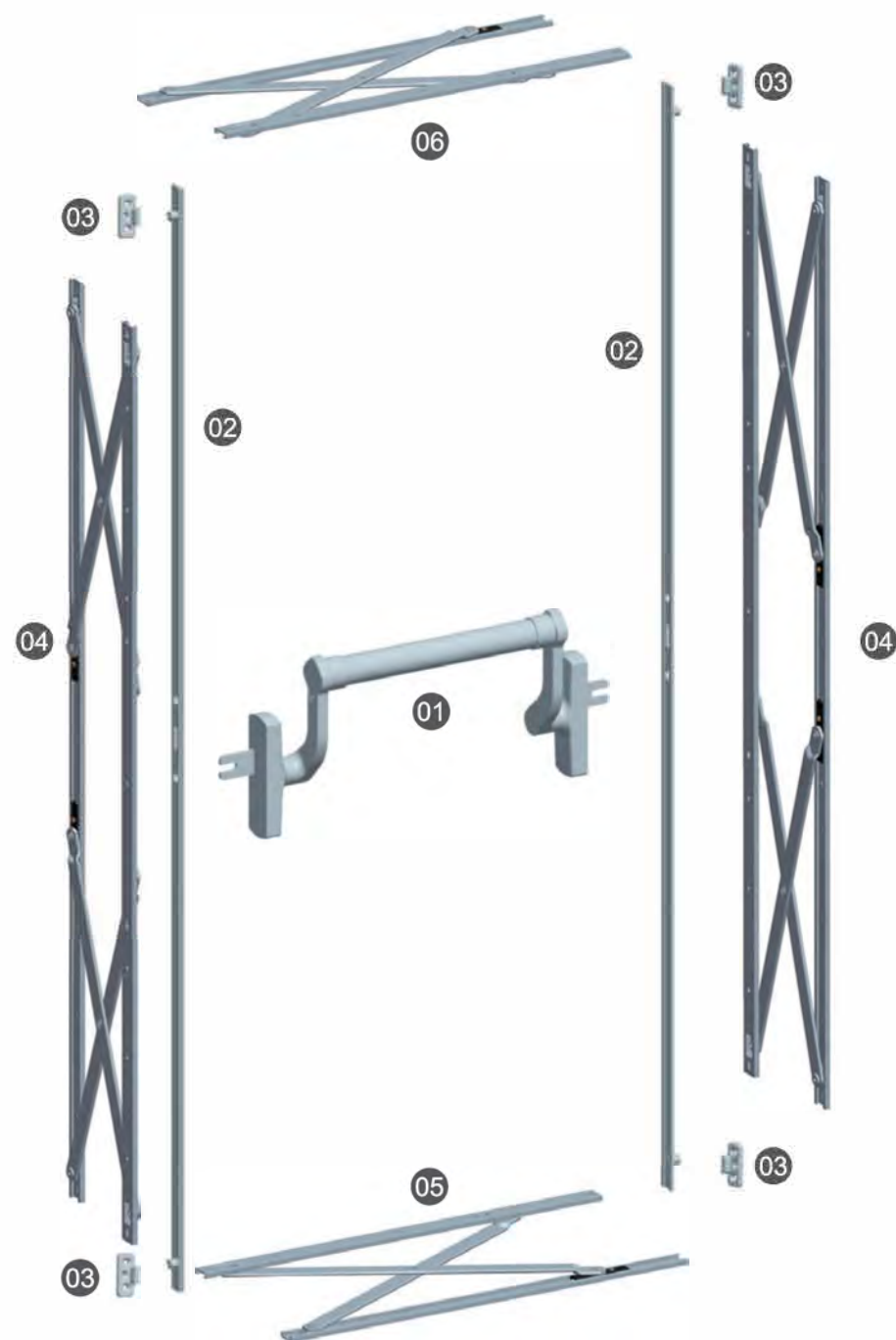
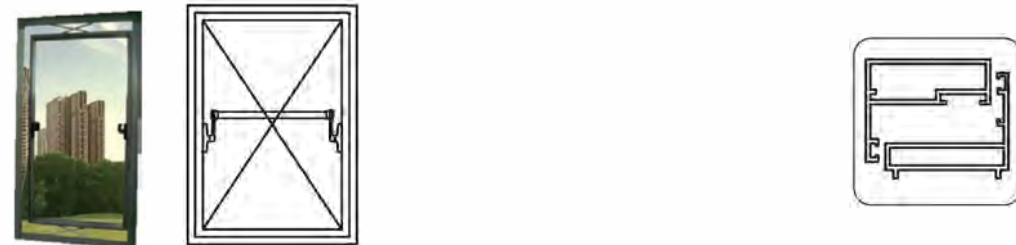
Optional Friction stays for reference

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 Pegstay contributes to enhance the safety factor
- ③ Items in green are optional and not compulsory

4-4 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 Sketch
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

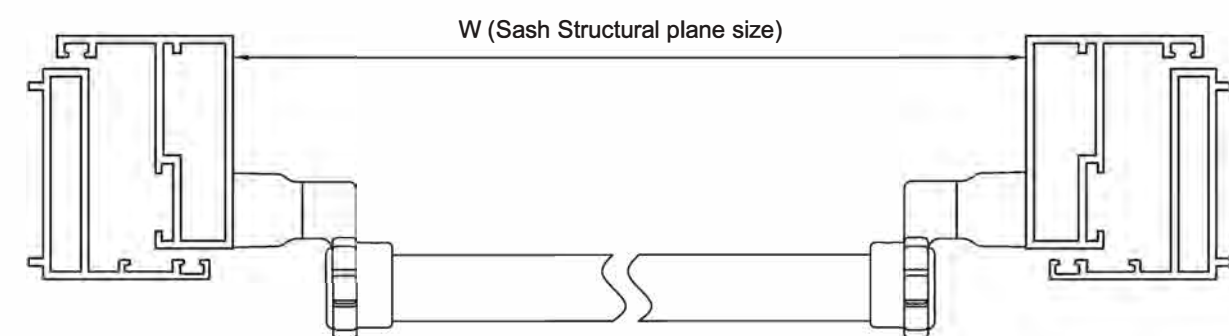
Optional Friction Stay for reference



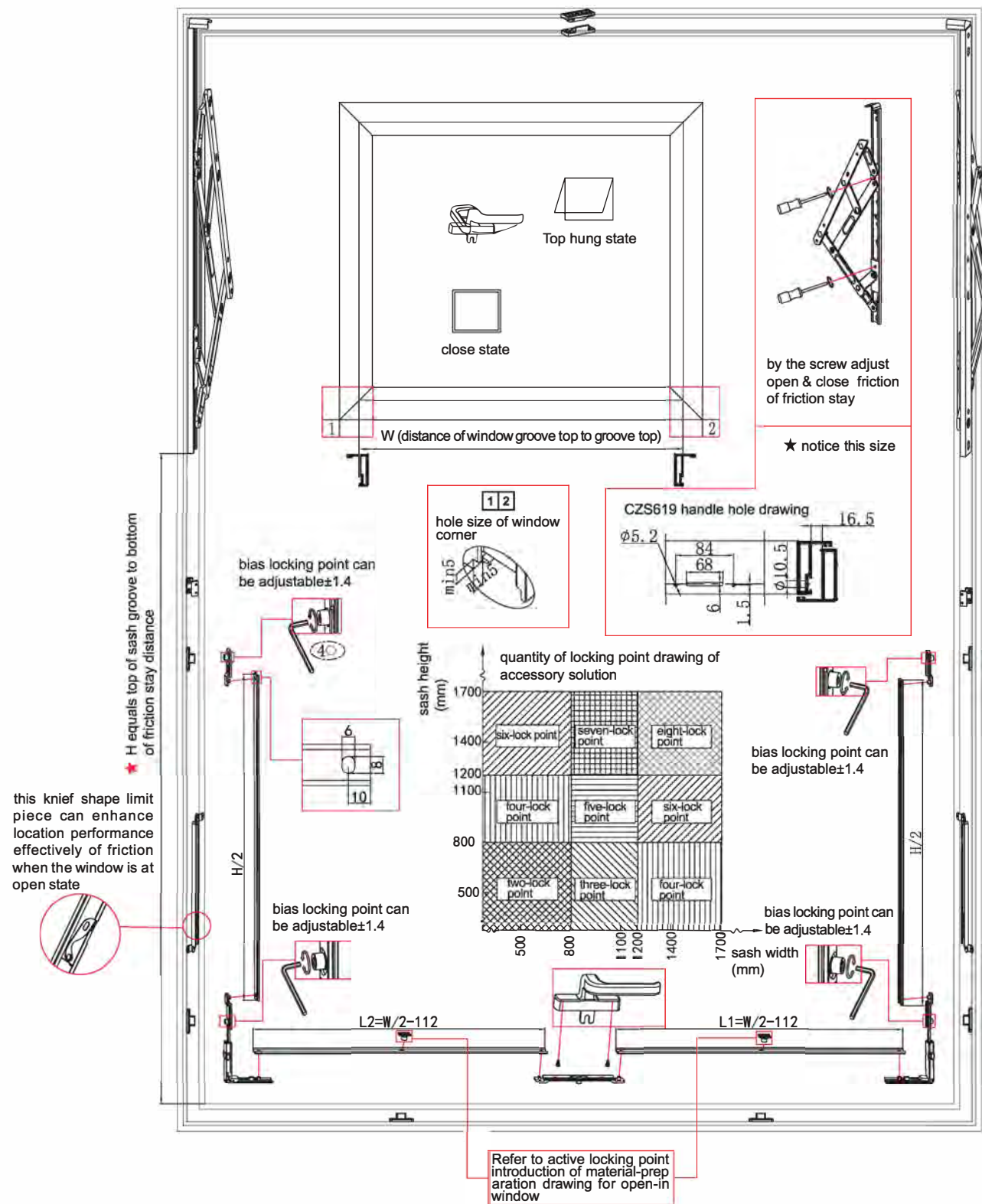
Configuration Instruction

- ★ Parallel window means the whole sash open outward parallelly. Its innovative opening method can keep the whole facade neat no matter at the state of opening or closing and this opening does not take up the interior space ,having the advantage of flexible ventilation and fire protection and 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, the bearing capacity can be up to 120kg
- ★ Maximum window opening height is 1600 and normal window width is within 800mm

Sketch



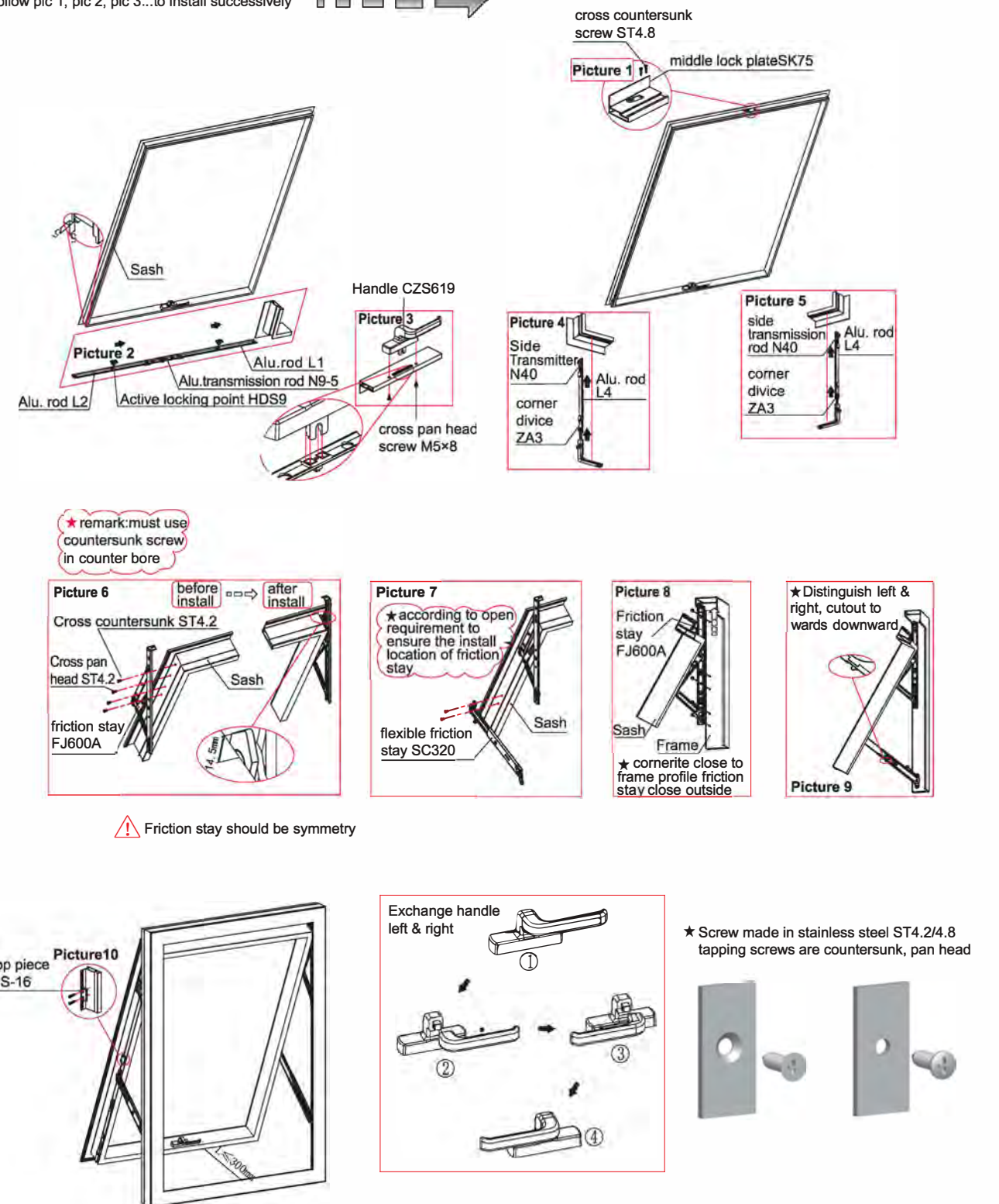
Instruction of Top Hung window with hardware solution



Remark: "○" represent the standard of socket head wrench
Remark: left & right friction should not intervene transmission of transmission rod while installation

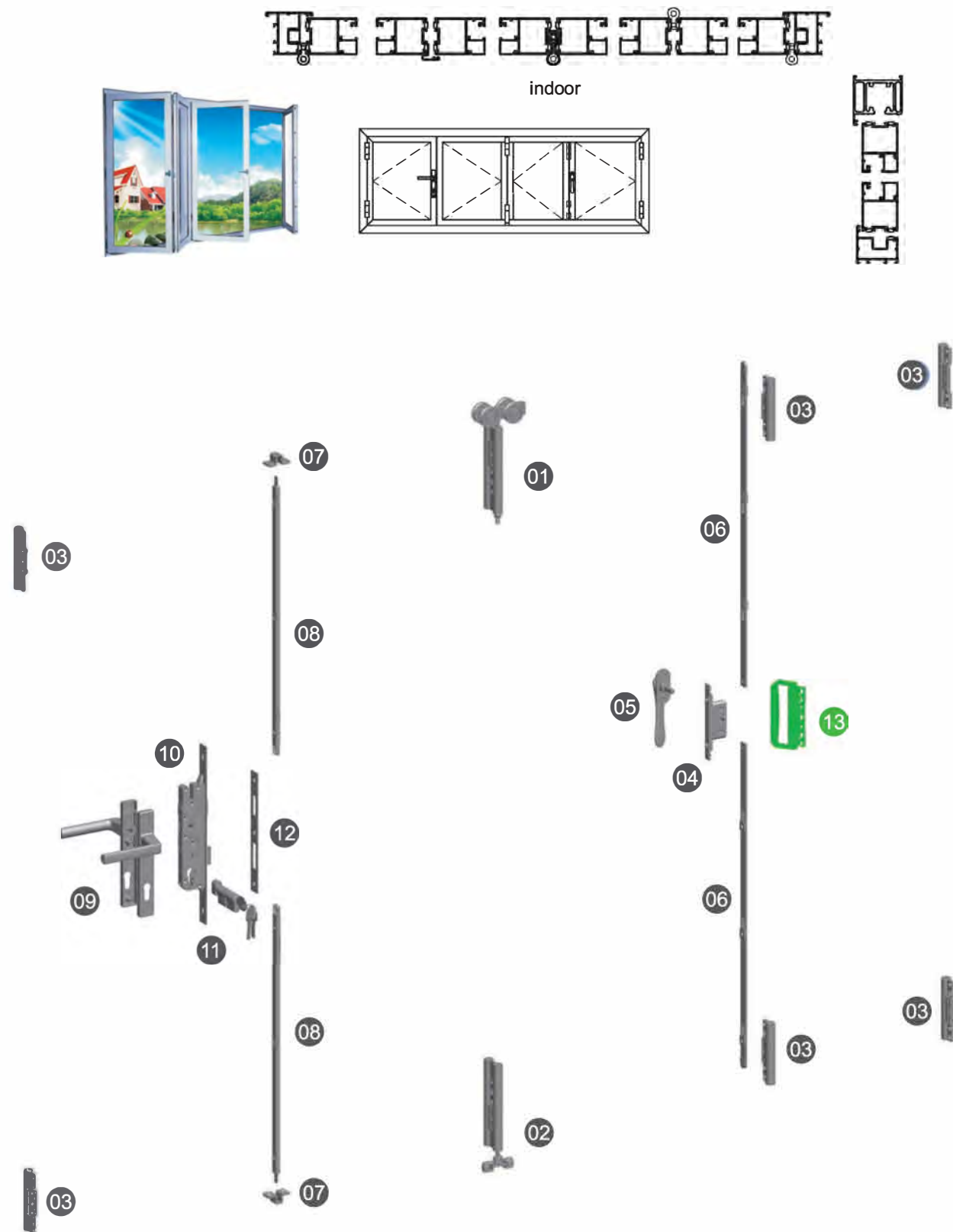
Installation Instruction of Top Hung window

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



⚠ Remark: according to actual hardware drawing to drill the hole when your selected hardware is different with pic. But you can follow this introduction to prepare material and install

5-1 FTL200 Series Sliding Folding Door



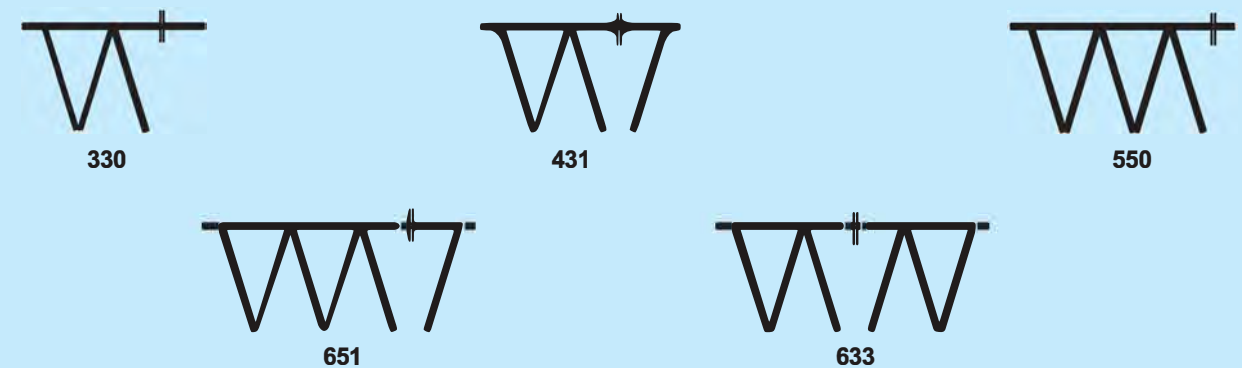
Hardware Configuration for FTL200 Series

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	DMS20B	1	Product of Sliding Door&Window Accessory Division
13	Handle Hinge	FXZ12	1	applicable to open-out configuration ③

Configuration Instruction

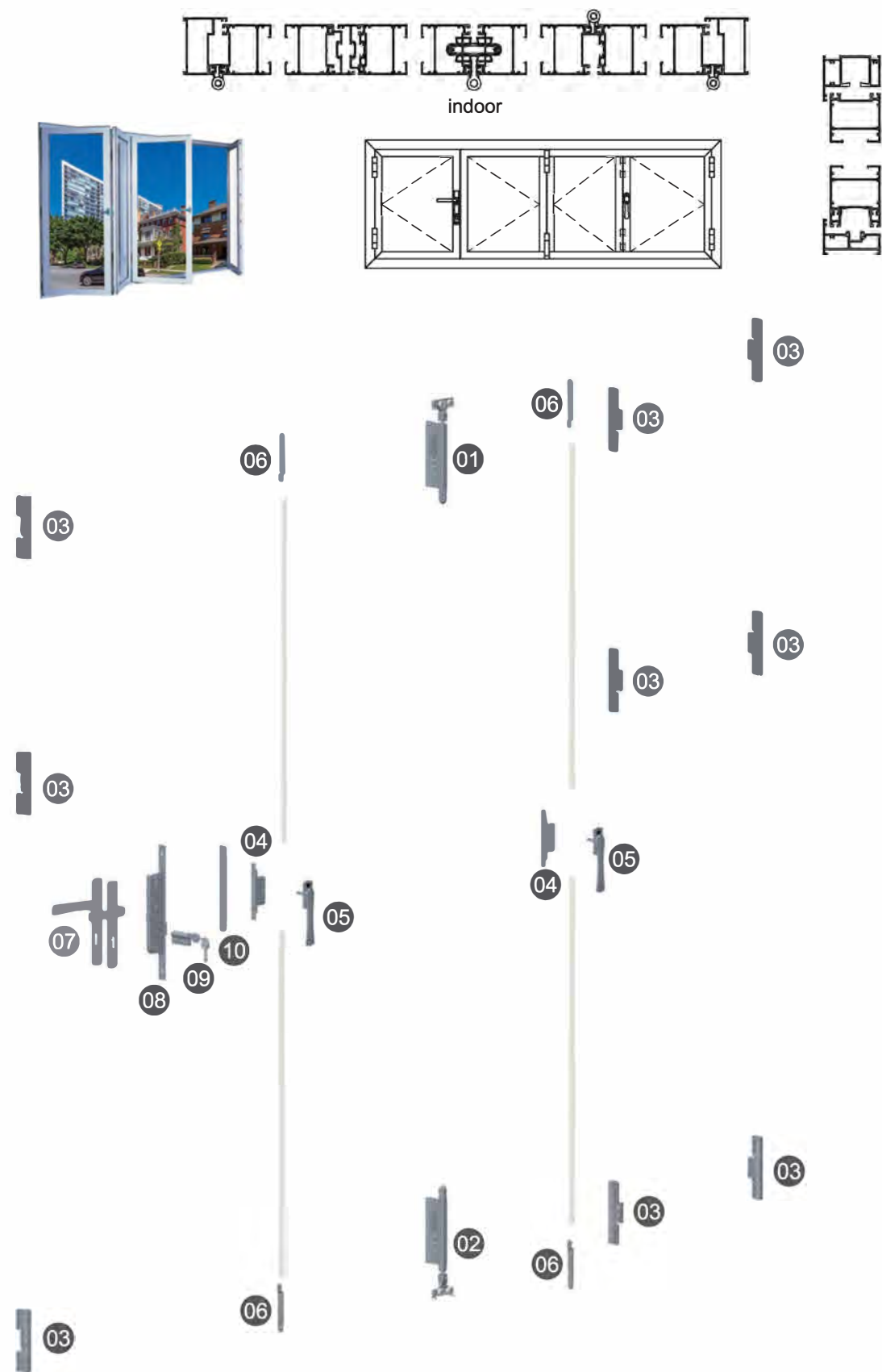
- ① Guide rail of upper pivot hinge system bears the load while the guide rail of bottom pivot hinge system which can be called barrier-free guide rail does not affect the door operation.
- ② Applicable to single sash dimension with width 800mm, height 2400mm and weight ≤ 60kg
- ③ Items in green are optional. hinge-type handle 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



★ Note: Please contact with our technical department for specific configuration.

5-2 FTL260 Sliding Folding Door



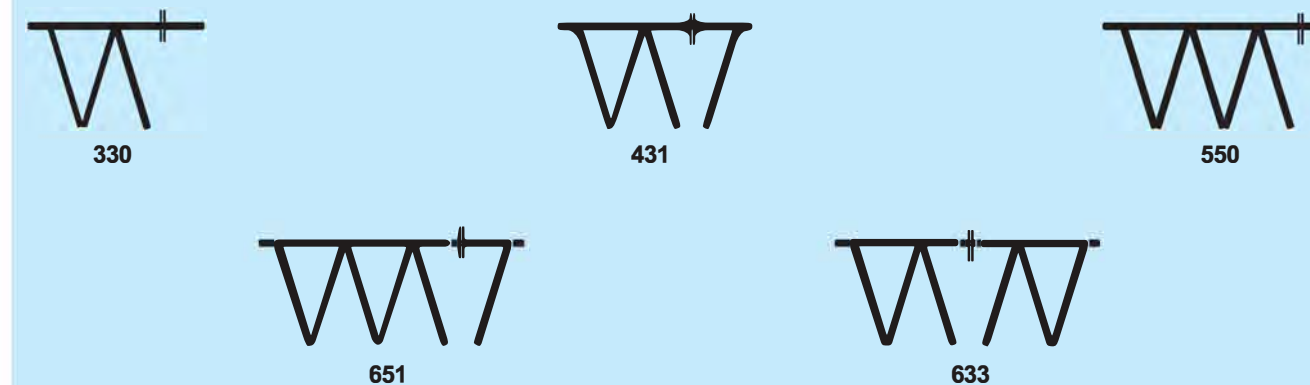
Hardware Configuration for FTL260 Series

Number	Product Name	Code	Quantity	Remark
01	Upper Pivot Hinge System	FTL260-01	1	①
02	Bottom Pivot Hinge System	FTL260-02	1	
03	Side Pivot Hinge	FTL260-05	9	②
04	Transmitter	CDQ20	2	
05	Handle	T32	2	
06	Shoot Bolt	CDG30	4	
07	Handle	ZMZS1730	1	Product of Home Decoration Division
08	Door Lock	MSC32/II	1	Product of Sliding Door & Window Accessory Division
09	Cylinder	KILAB	1	Product of Sliding Door & Window Accessory Division Optional
10	cover Plate	KMB210A	1	Product of Sliding Door & Window Accessory Division

Instruction

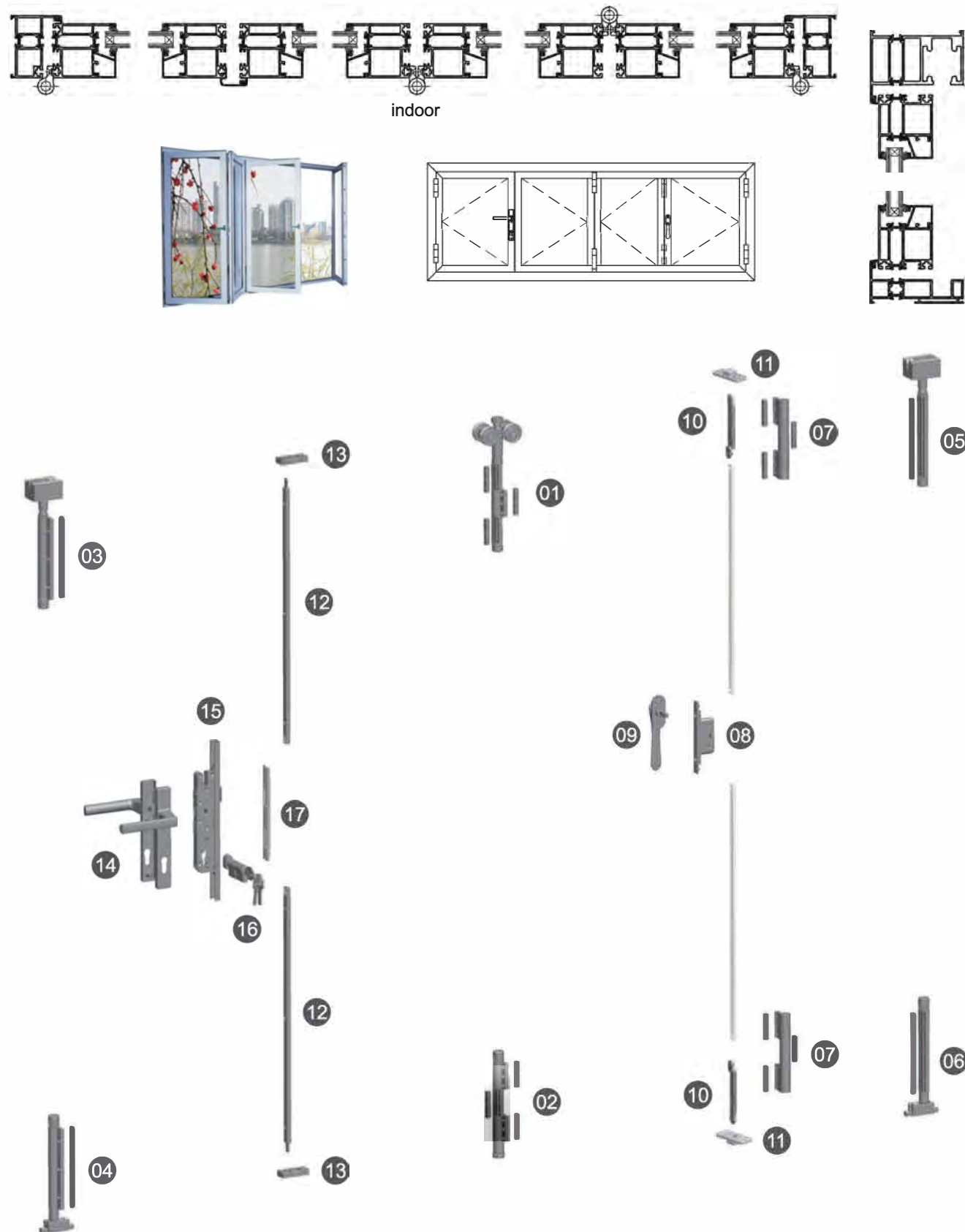
- ① Upper pivot hinge is self-balance, which makes sash slide easily and smoothly, and also could be installed up and down
- ② Suit for single sash dimension: with width 800mm and height 2400mm, and weight ≤90kg
- ③ With an adjustable upper and bottom hinge system, drop-down caused by long-time work and slotting error could be improved efficiently

Configuration



★ Note: Please contact with our technical department for specific configuration.

5-3 FTL300 Sliding and Folding Door Series



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	SK30	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

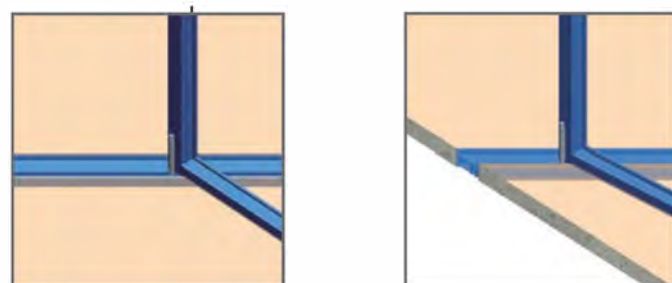
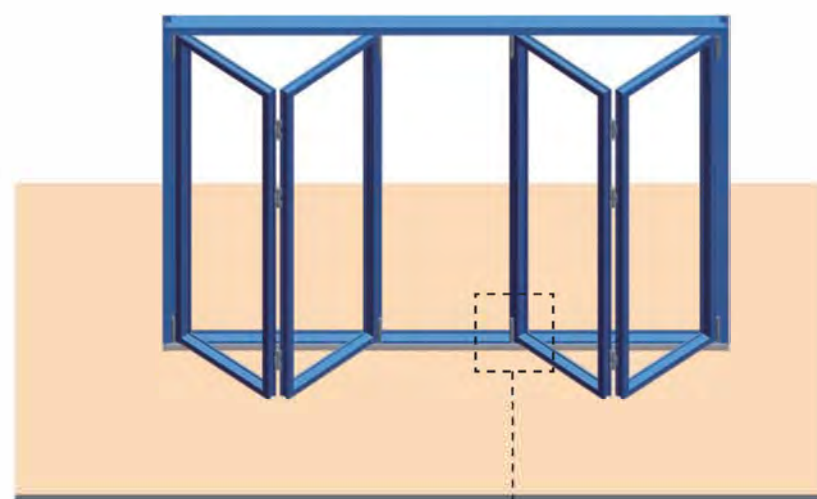
Configuration Instruction

- 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 deflection while fabrication window profile
- ③ Suitable for 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

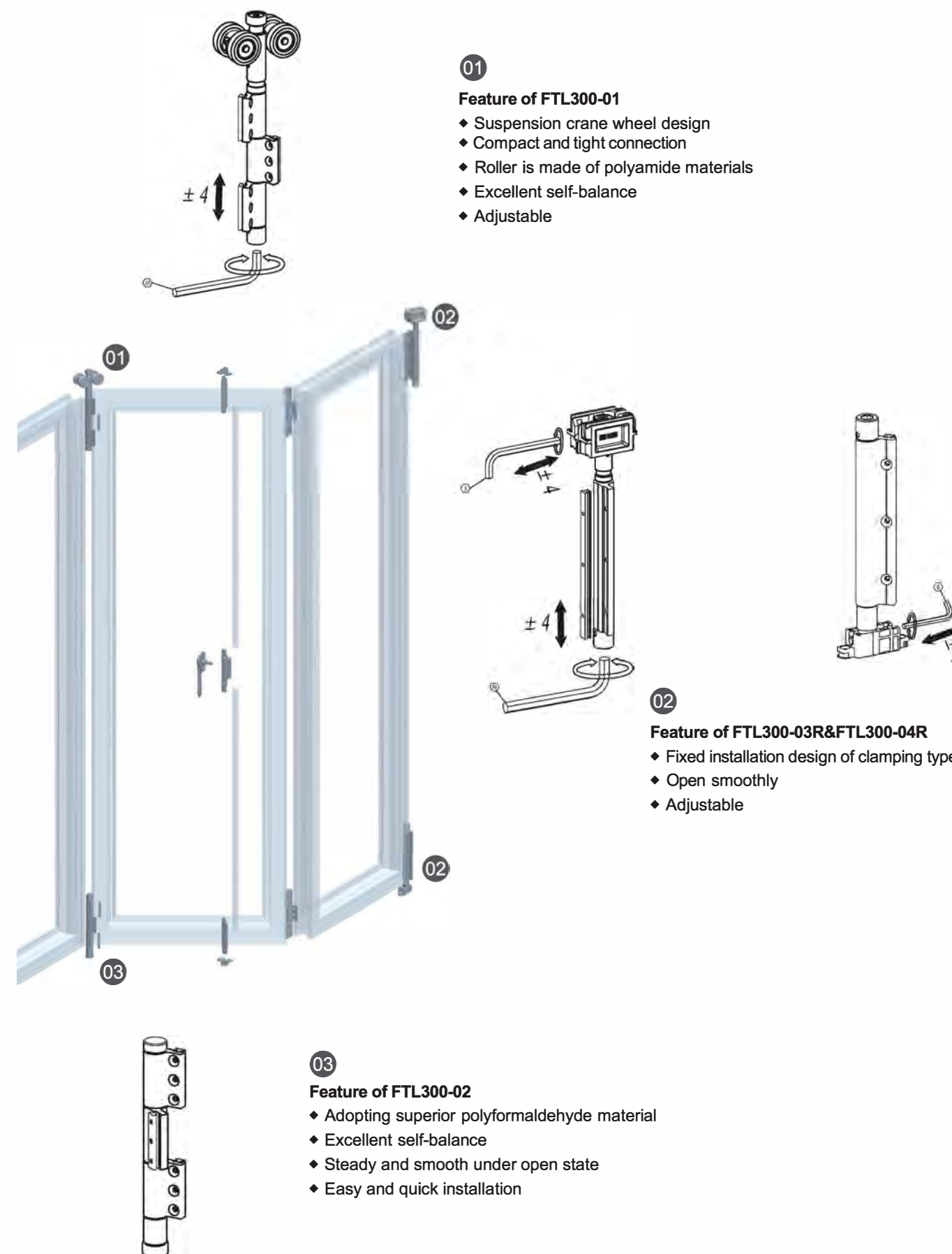
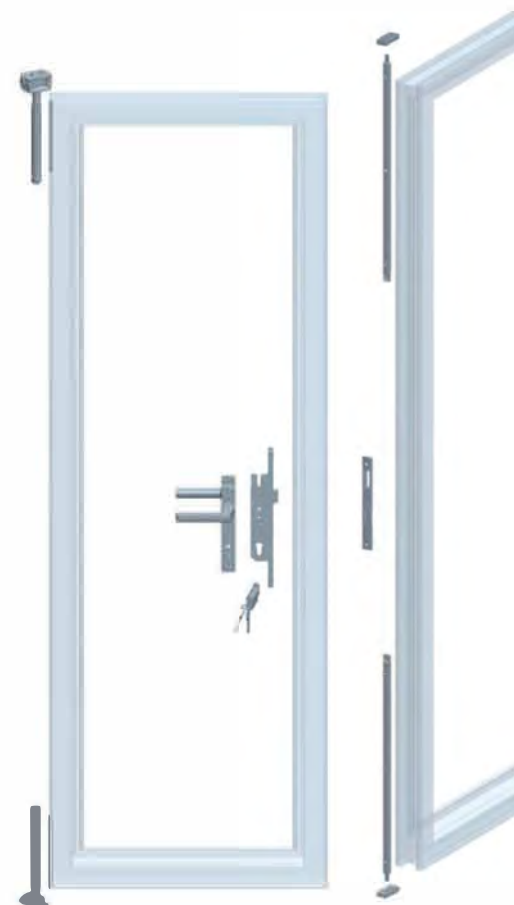
Characteristic description for FTL300 Sliding Folding Door Series

Feature of door type

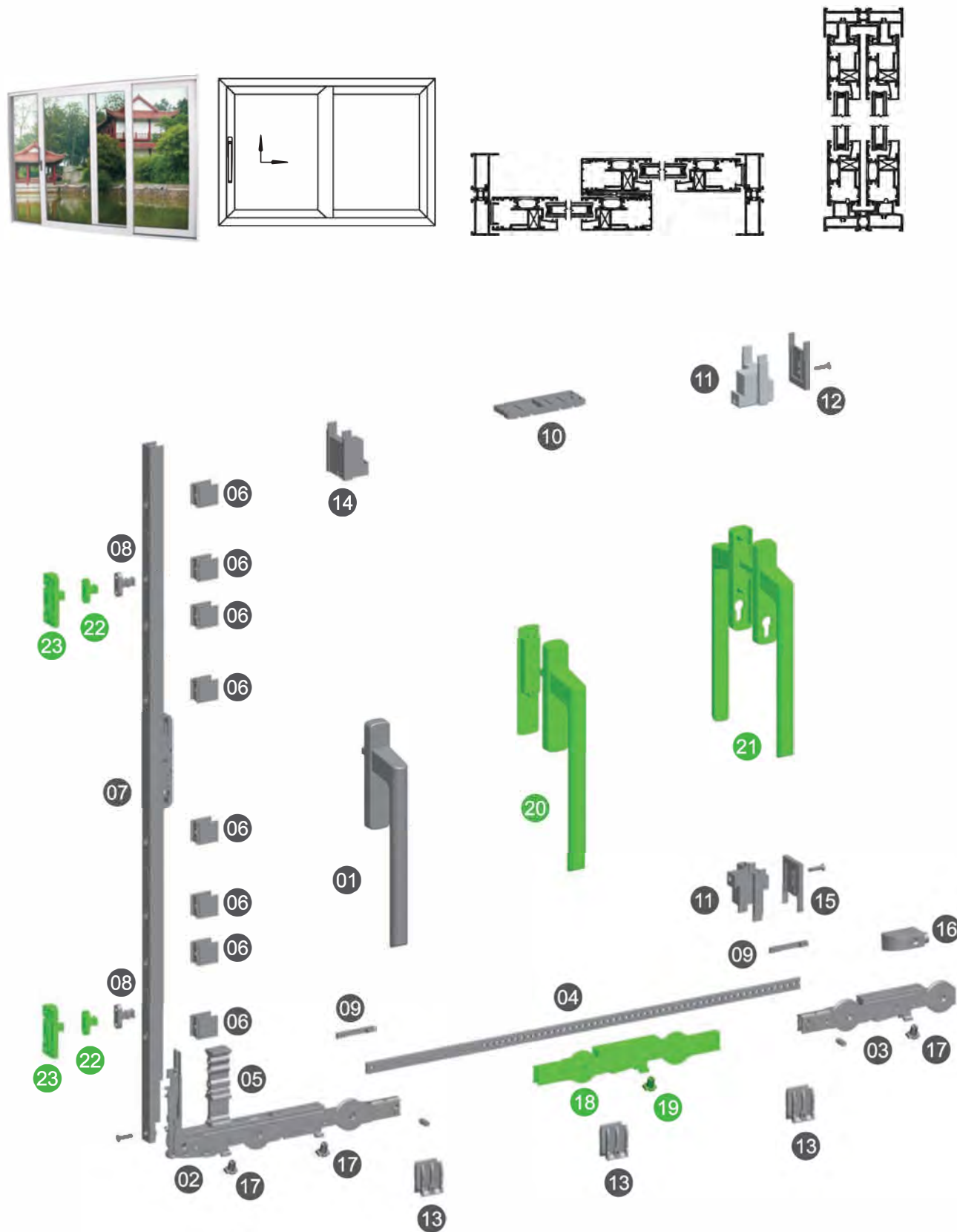
- ◆ Flexible combination of sash, applicable to any design according to hole dimension, that is, odd sash in both sides, even sash in both sides or one odd sash and one even sash in both sides
- ◆ With an excellent weight bearing performance
- ◆ Open-in or open-out depends on your demand and it could achieve the maximum open angle of the door
- ◆ With excellent sealing and stability
- ◆ It can achieve barrier-free accessibility
- ◆ With an excellent weight bearing and stable and flexible operation, it can achieve the capacity bearing under both top and bottom of the sash.



- ◆ Barrier free access can be achieved



6-1 TTL300 Series Lifting and 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	H50	1	Product of Window Roller Division
03	Back-Roller	H52	1	Product of Window Roller Division
04	Linking Rod	H52-10	1	
05	Supporting Socket	CDG2370-06	1	
06	Supporting Block	CDG2370-05	8	
07	Transmitter Lock	CDG2370	1	
08	Locking Plate	SK51	2	
09	Water Cap	H52-13	2	
10	Anti-theft Piece	H52-14	1	
11	Left&Right Position Block	H52-17L/R	2	
12	Upper Cover	H52-16	1	
13	Supporting Block	H52-12	3	
14	Left & Right End	H52-18L/R	1	Up to profile
15	Left & Right Cover	H52-15L/R	1	Up to profile
16	Anti-Strike Block	FK-D	1	Product of Sliding Door&Window Hardware Division
17	Cushion Block	H50-18	3	
18	Middle Roller	H51	1	Product of Window Roller Division Optional Optional
19	PVC Cushion Block	H50-18	1	
20	Handle	Z201	1	Optional Standard exposed length of square steel is 28 mm
21	Handle	Z202	1	Optional Standard exposed length of square steel is 107 mm
22	Locking Plate	SK50	2	Optional
23	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
- ★ This series can be used widely such as sunshine-room, balcony and partition door etc.

Optional Handle

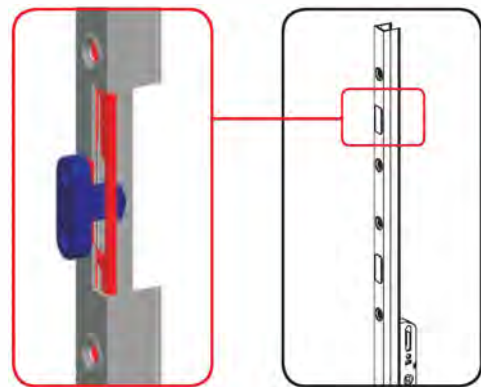


Characteristic description for TTL300 Lift and Sliding series

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/ hinged 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

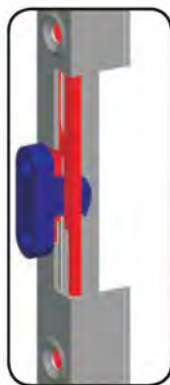


01

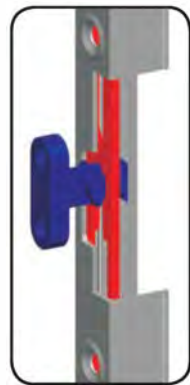
Feature of CDG2370

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

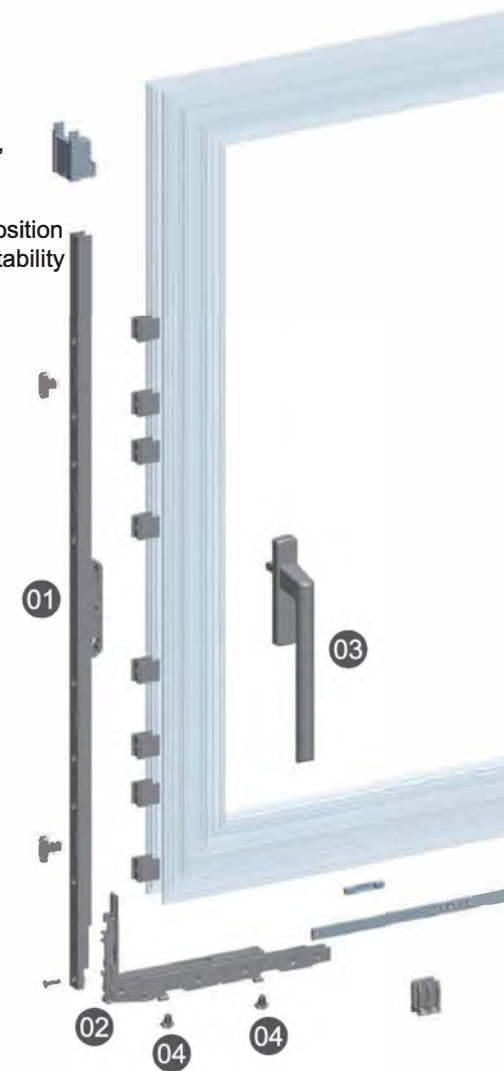
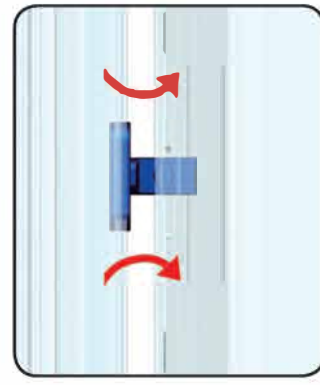
Lock state



Micro-ventilation state



Micro-ventilation



02

Feature of H50/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

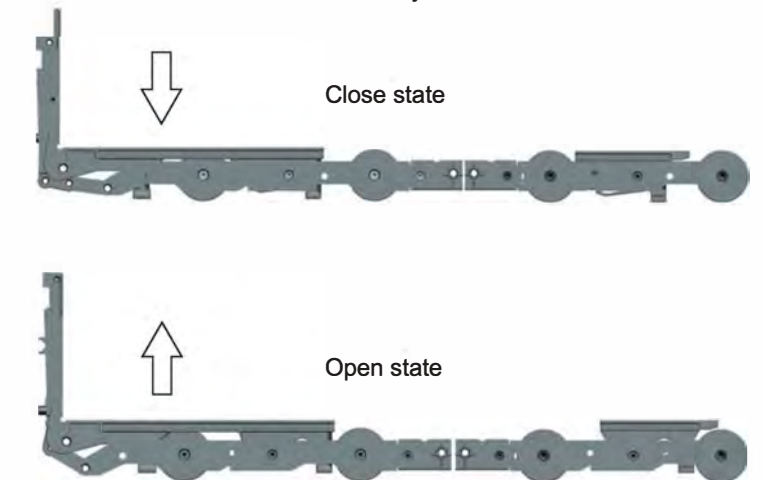
- ◆ External appearance with elegant design
- ◆ Big tongue, small opening force
- ◆ On and off flexible, smooth



04

Feature of H50-18

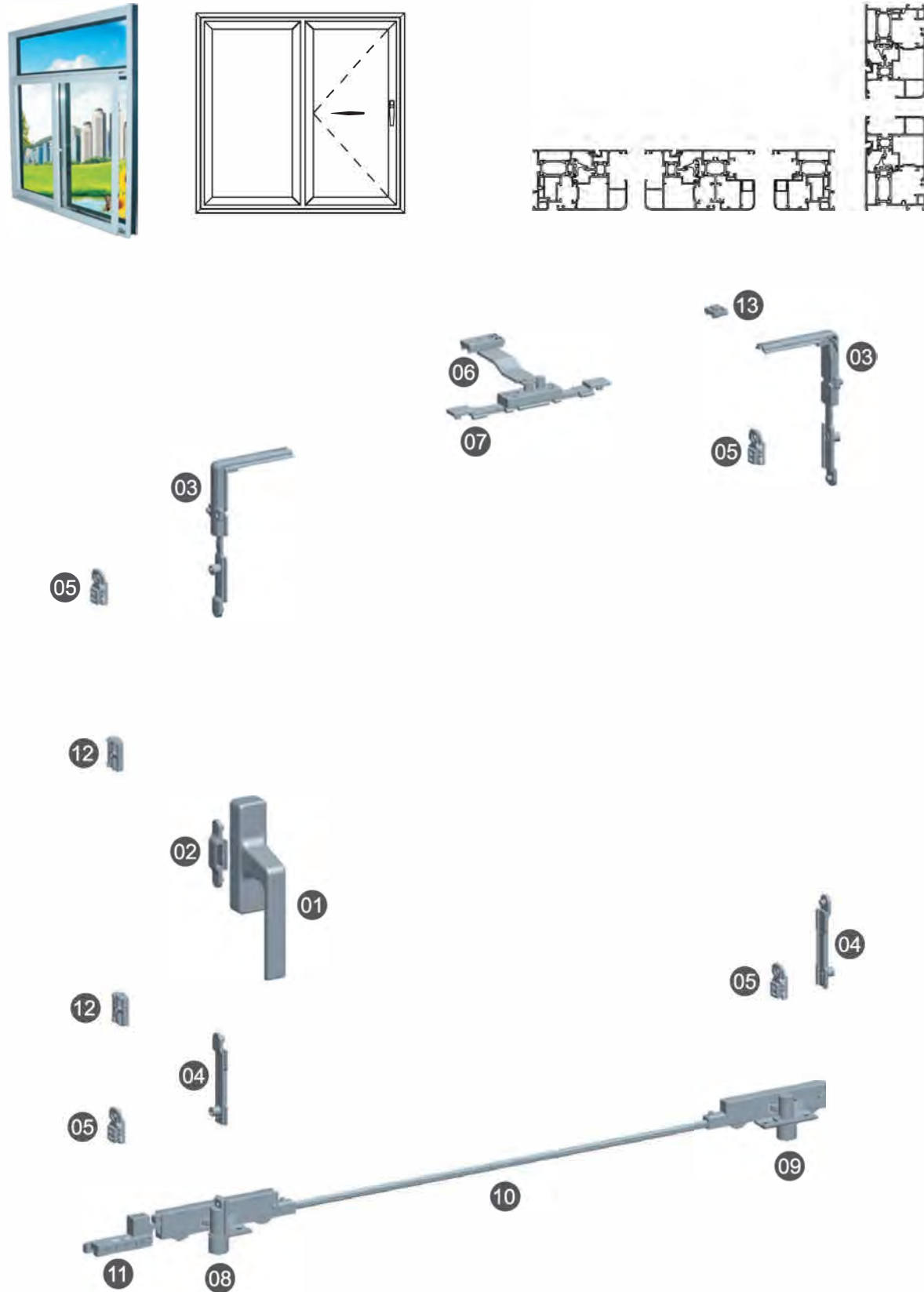
- ◆ Friction is increased when locked
- ◆ Widely accommodated with section



★ 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.

7-1 TP100 Sliding Hanging Window Series



Hardware configuration for TP100 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	CZS20	1	Optional ①
02	Main Transmission Rod	N55	1	
03	Corner Device	ZA3	2	
04	Side Transmitter	N38A	2	
05	Locking Plate	TPSK	4	
06	Top Connector Rod	TPG	1	Left & Right ②
07	Transmitter Rod	TPDG	1	
08	Front Roller	TPHL01	1	Left & Right ③
09	Back Roller	TPHL02	1	
10	Linking Rod	TPLJG	1	
11	Front Bearing Plate	TPQZK	1	Left & Right
12	Back Bearing Plate	TPHZK	2	
13	Top Bearing Plate	TPSZK	1	

Optional Handles please refer to the picture as below


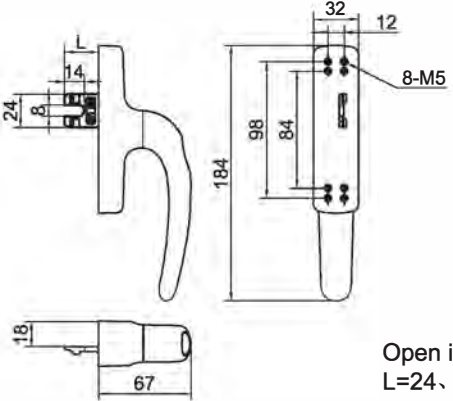

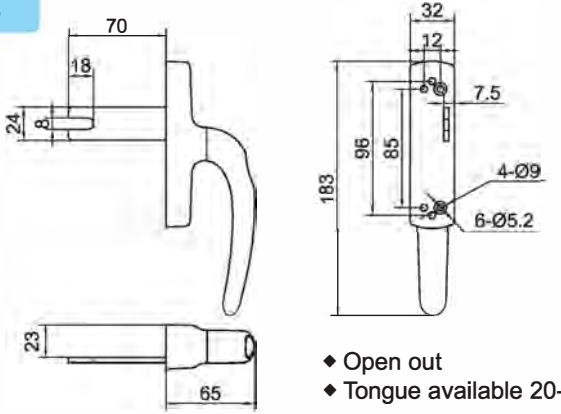

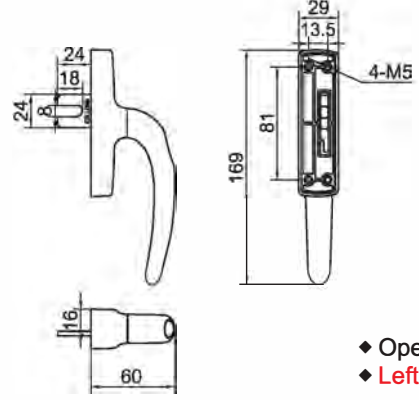

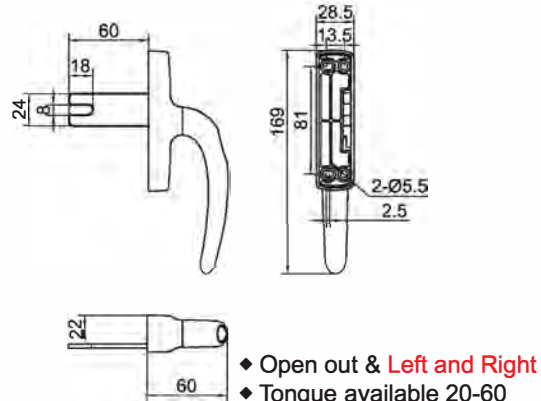
Handle CZS51	Handle CZS52	Handle CZS53	Handle CZS219
			


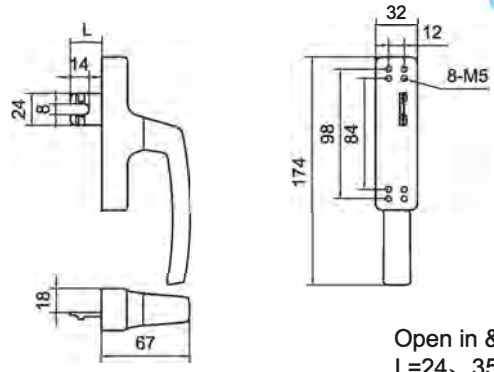

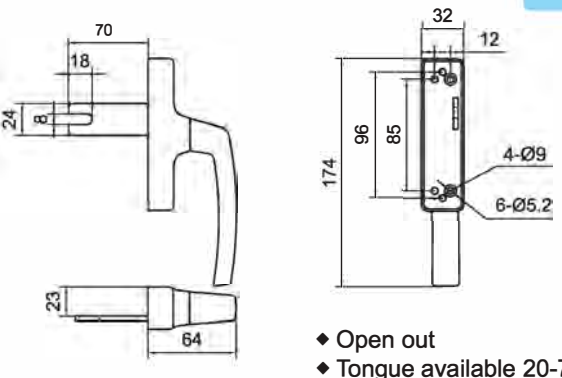

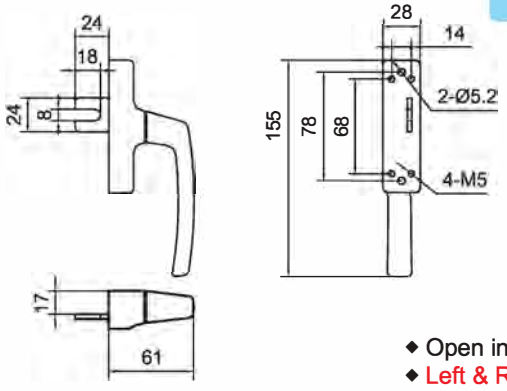

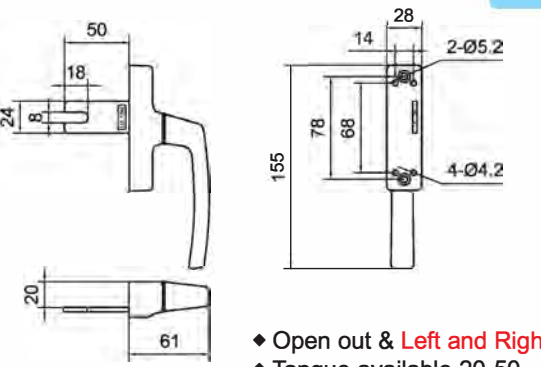
Configuration Instruction

- ① Handles are optional and please refer to the instruction for selection.
- ② Applicable to the window sash width 450-700mm, Height 600-1200mm.
- ③ Maximum load capacity of roller is 30Kg


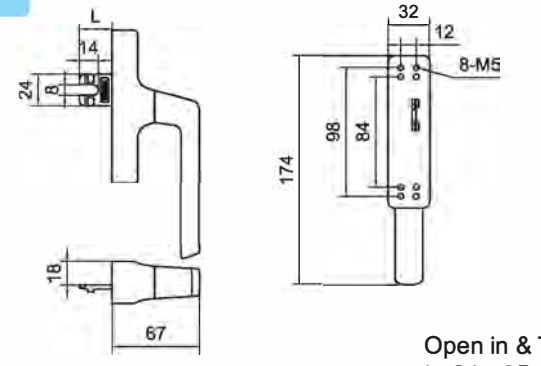

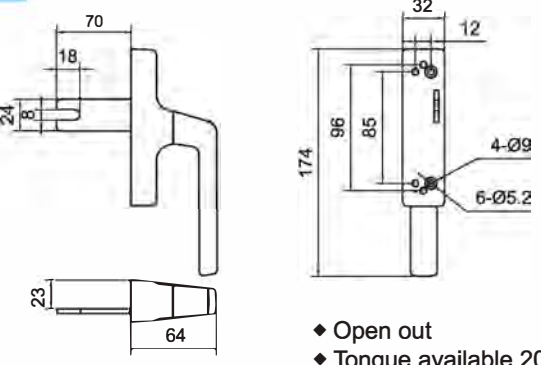

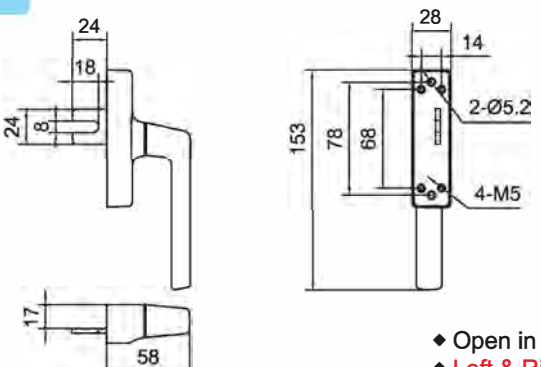

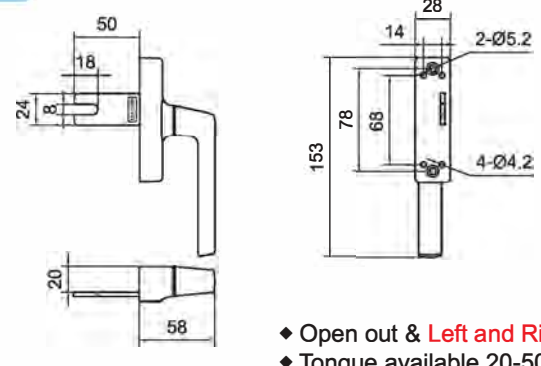
Streamline Window Handle Series

Brief Style Window Handle Series


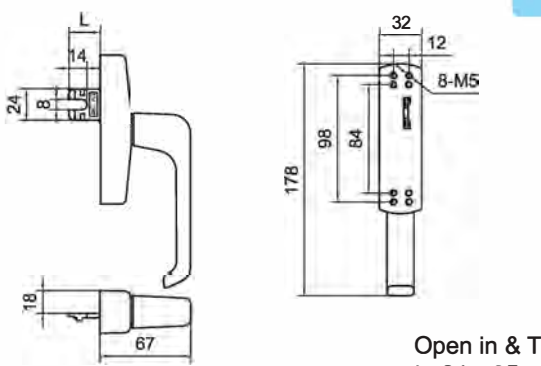

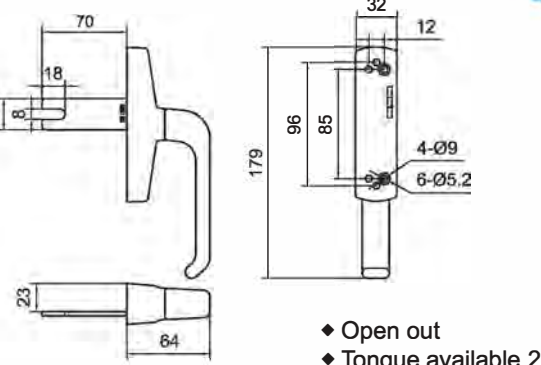

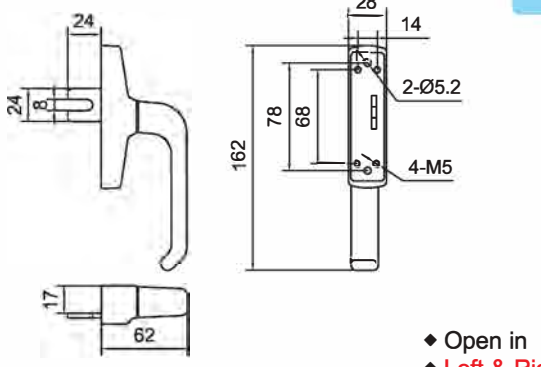

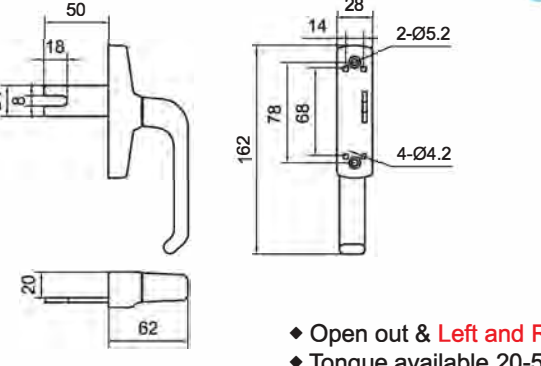
	<p>CZS08</p>  <p>Open in & TT L=24, 35, 46</p>
	<p>CZS108</p>  <p>◆ Open out ◆ Tongue available 20-70</p>
	<p>CZS208</p>  <p>◆ Open in ◆ Left & Right</p>
	<p>CZS308</p>  <p>◆ Open out & Left and Right ◆ Tongue available 20-60</p>

	<p>CZS19</p>  <p>Open in & TT L=24, 35, 46</p>
	<p>CZS119</p>  <p>◆ Open out ◆ Tongue available 20-70</p>
	<p>CZS219</p>  <p>◆ Open in ◆ Left & Right</p>
	<p>CZS319</p>  <p>◆ Open out & Left and Right ◆ Tongue available 20-50</p>

Brief Style Window Handle Series


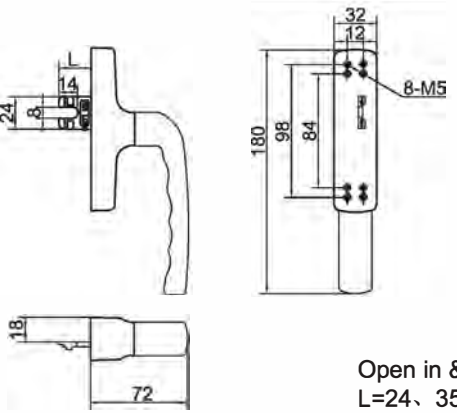

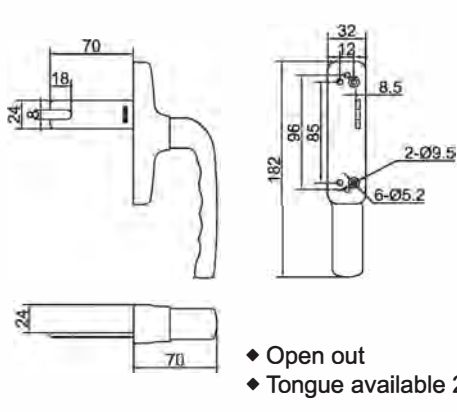

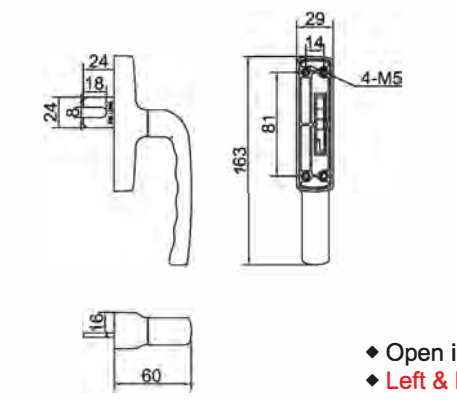

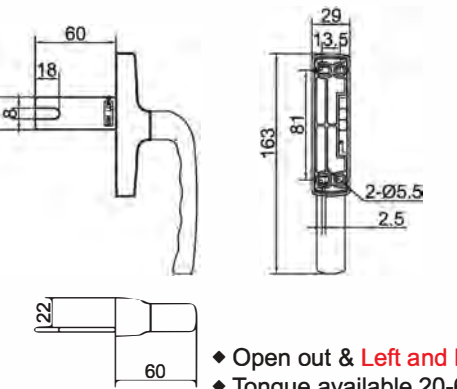
 <p>Patented product</p>	<p>CZS20</p>  <p>Open in & TT L=24, 35, 46</p>
 <p>Patented product</p>	<p>CZS120</p>  <p>◆ Open out ◆ Tongue available 20-70</p>
 <p>Patented product</p>	<p>CZS220</p>  <p>◆ Open in ◆ Left & Right</p>
 <p>Patented product</p>	<p>CZS320</p>  <p>◆ Open out & Left and Right ◆ Tongue available 20-50</p>


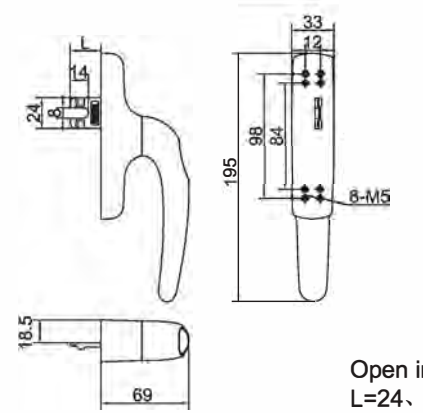

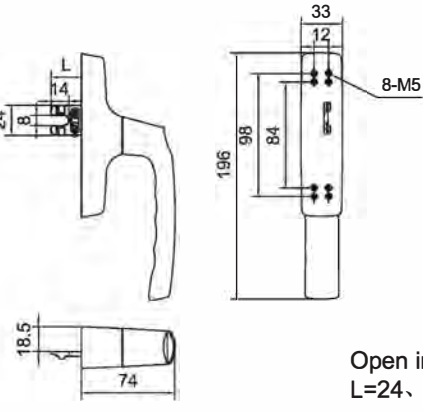

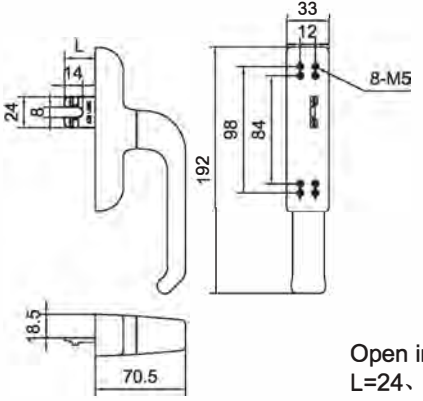

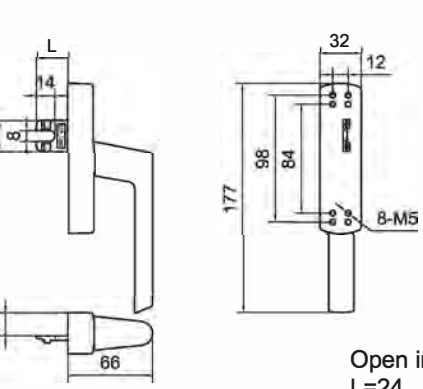
Dignified Window Handle Series

	<p>CZS23</p>  <p>Open in & TT L=24, 35, 46</p>
	<p>CZS123</p>  <p>◆ Open out ◆ Tongue available 20-70</p>
	<p>CZS223</p>  <p>◆ Open in ◆ Left & Right</p>
	<p>CZS323</p>  <p>◆ Open out & Left and Right ◆ Tongue available 20-50</p>

Brief Style Window Handle Series


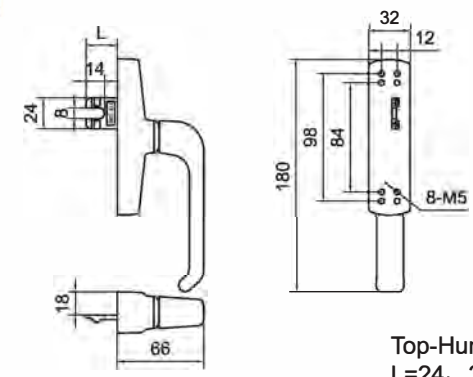

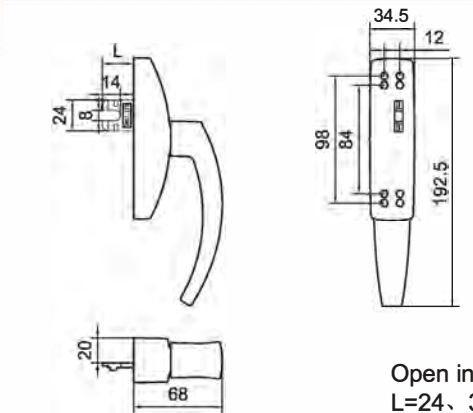

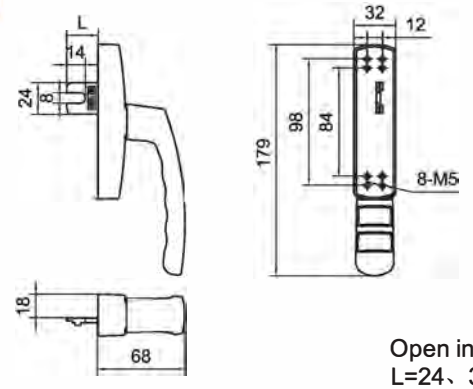

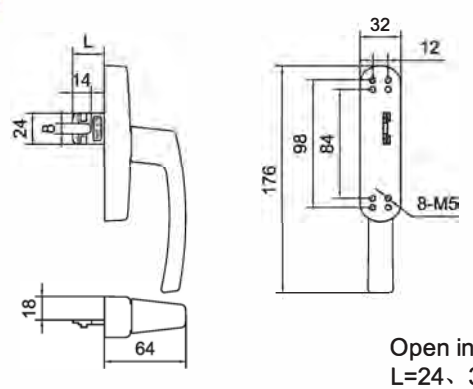
Other Window Handle Series

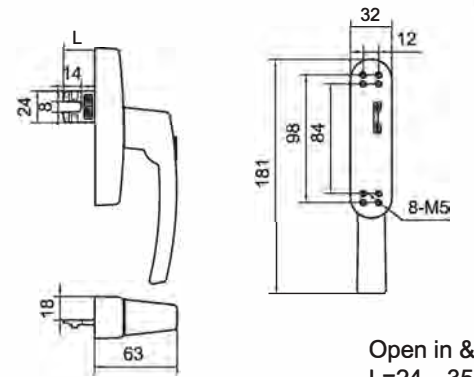

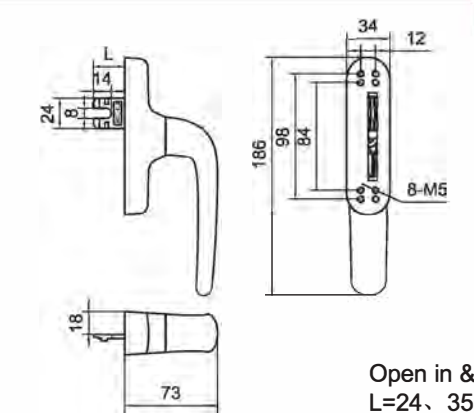

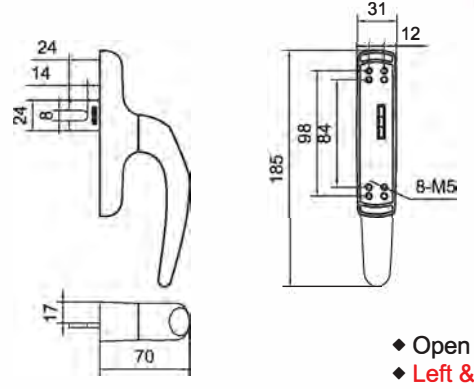

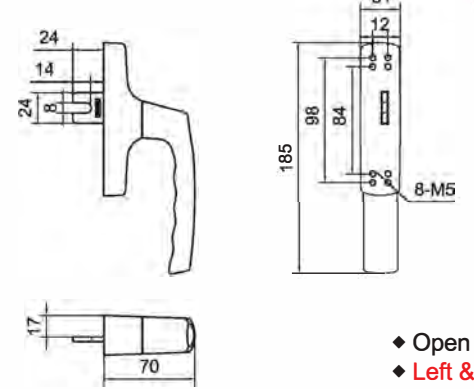

	<p>CZS36</p>  <p>Open in & TT L=24, 35, 46</p>
	<p>CZS136</p>  <p>◆ Open out ◆ Tongue available 20-70</p>
	<p>CZS236</p>  <p>◆ Open in ◆ Left & Right</p>
	<p>CZS336</p>  <p>◆ Open out & Left and Right ◆ Tongue available 20-60</p>

	<p>CZS01</p>  <p>Open in & TT L=24, 35, 46</p>
	<p>CZS02</p>  <p>Open in & TT L=24, 35, 46</p>
	<p>CZS03</p>  <p>Open in & TT L=24, 35, 46</p>
	<p>CZS10</p>  <p>Open in & TT L=24, 35, 46</p>

Other Window Handle Series


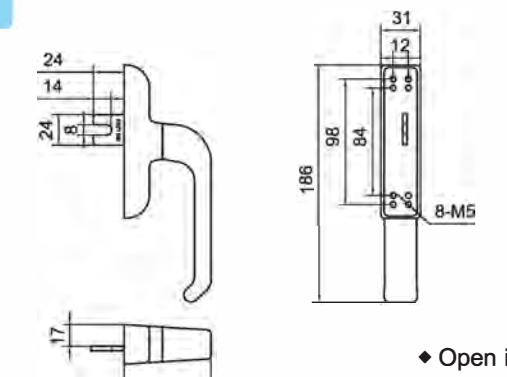

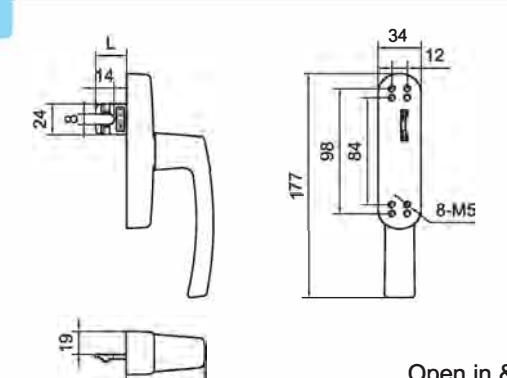

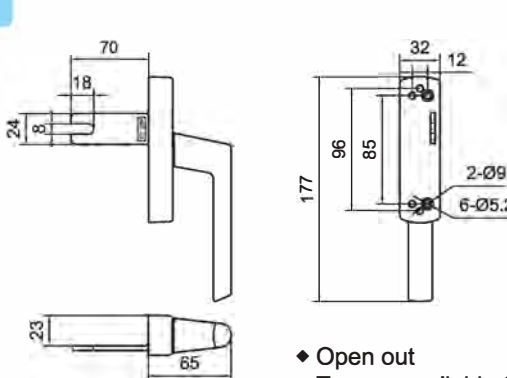

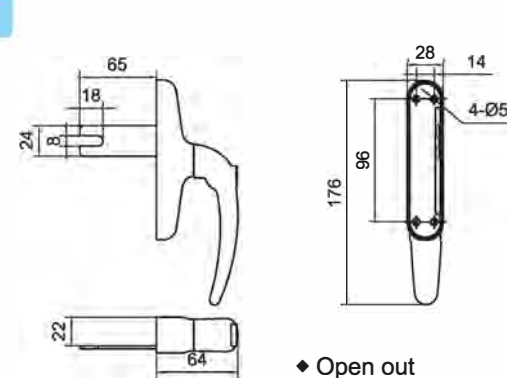
Other Window Handle Series

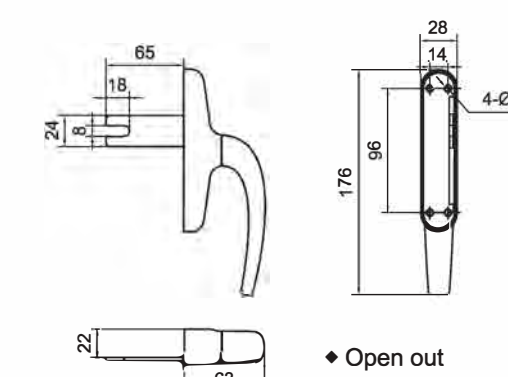

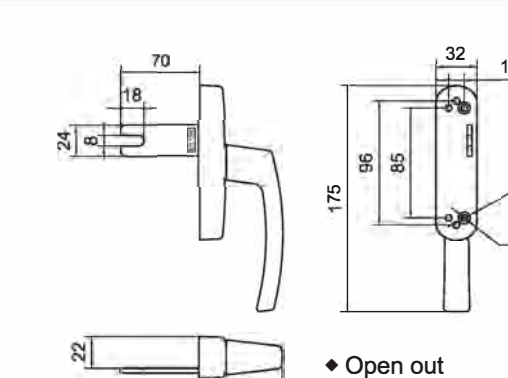

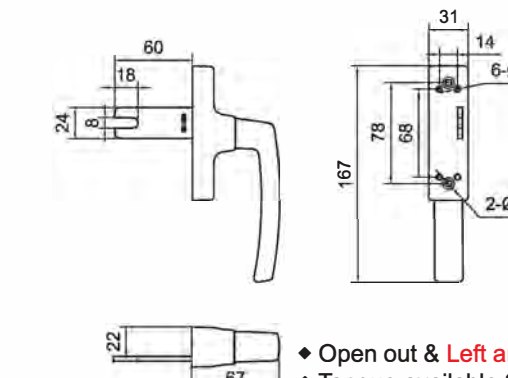

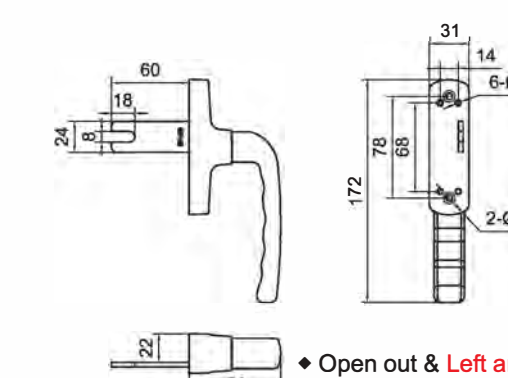

 <p>Patented product</p>	<p>CZS21</p>  <p>Top-Hung L=24、35、46</p>
 <p>Patented product</p>	<p>CZS27</p>  <p>Open in & TT L=24、35、46</p>
 <p>Patented product</p>	<p>CZS28</p>  <p>Open in & TT L=24、35、46</p>
 <p>Patented product</p>	<p>CZS30</p>  <p>Open in & TT L=24、35、46</p>

	<p>CZS30S</p>  <p>Open in & TT L=24、35、46</p>
	<p>CZS31</p>  <p>Open in & TT L=24、35、46</p>
	<p>CZS51</p>  <p>Patented product</p> <p>◆ Open in ◆ Left & Right</p>
	<p>CZS52</p>  <p>Patented product</p> <p>◆ Open in ◆ Left & Right</p>

Other Window Handle Series


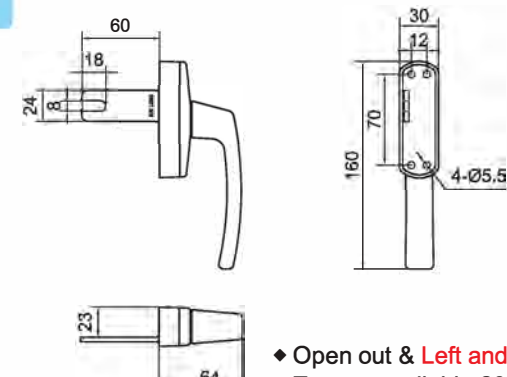

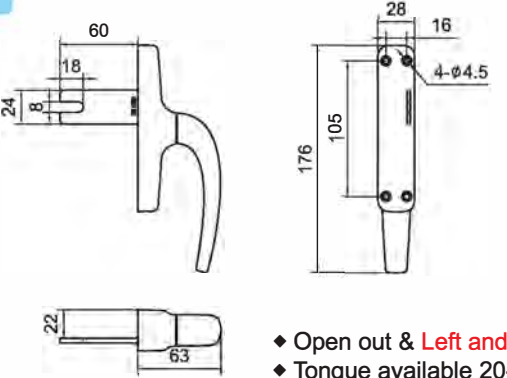

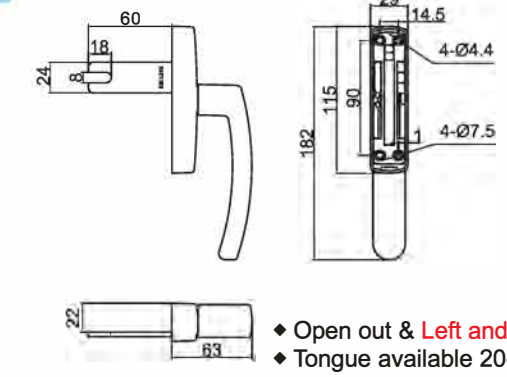

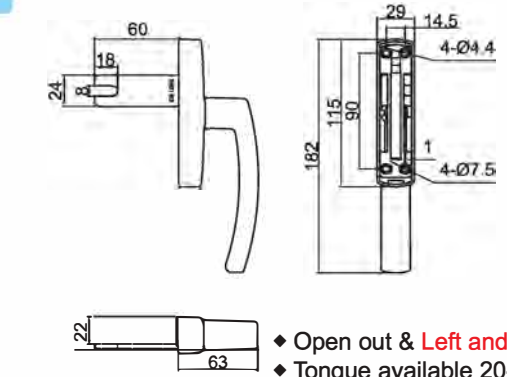
Other Window Handle Series


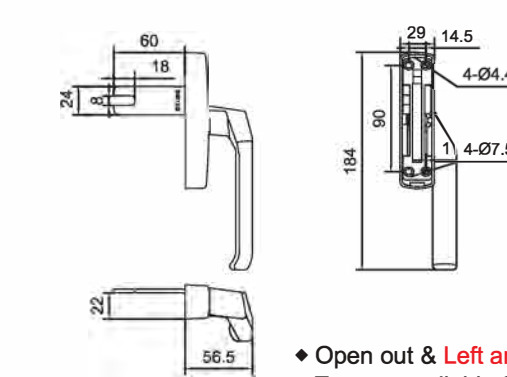

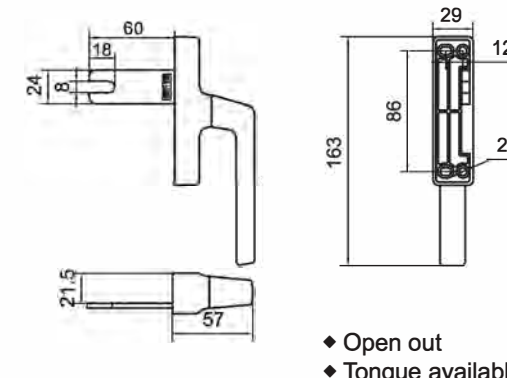

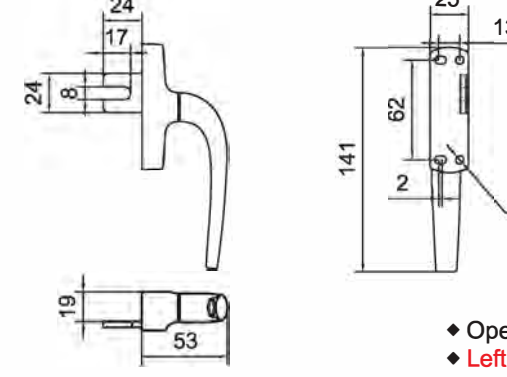

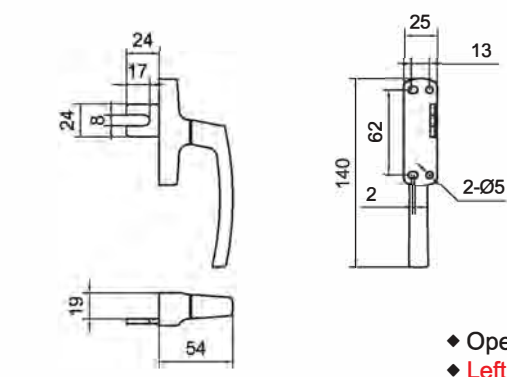
 <p>Patented product</p>	<p>CZS53</p>  <ul style="list-style-type: none"> ◆ Open in ◆ Left & Right
	<p>CZS90</p>  <p>Open in & TT L=24、35、46</p>
	<p>CZS100</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue available 20-70
	<p>CZS116S</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue available 20-65

 <ul style="list-style-type: none"> ◆ Open out ◆ Tongue available 20-65 	<p>CZS126</p> 
 <ul style="list-style-type: none"> ◆ Open out ◆ Tongue available 20-70 	<p>CZS130</p> 
 <ul style="list-style-type: none"> ◆ Open out & Left and Right ◆ Tongue available 20-60 	<p>CZS131</p> 
 <ul style="list-style-type: none"> ◆ Open out & Left and Right ◆ Tongue available 20-60 	<p>CZS132</p>  <p>Patented product</p>

Other Window Handle Series


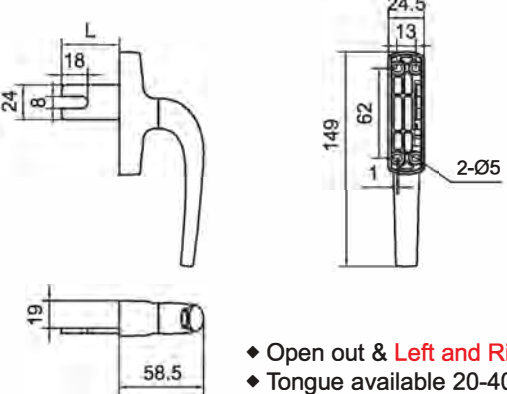

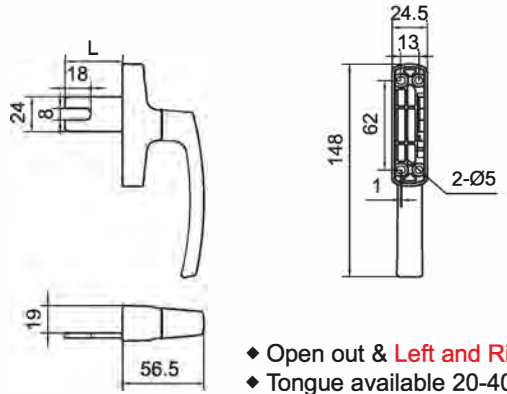

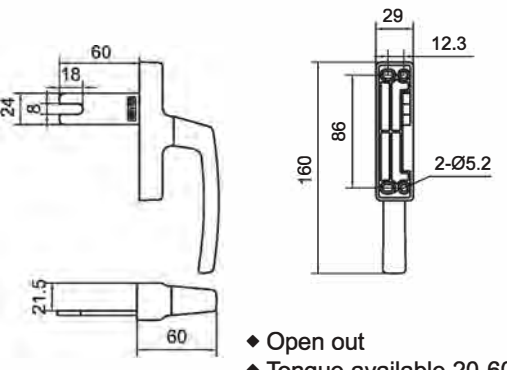

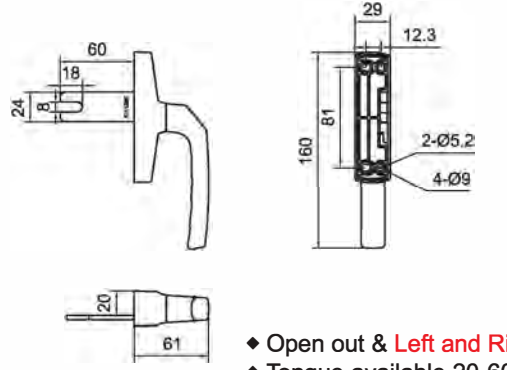
Other Window Handle Series


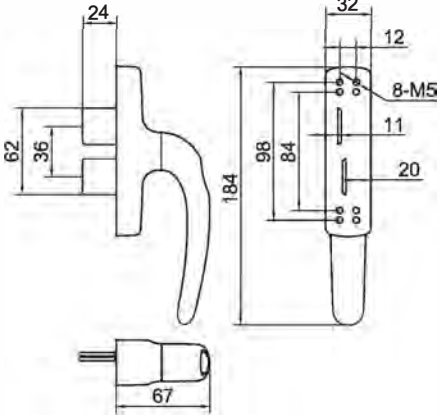

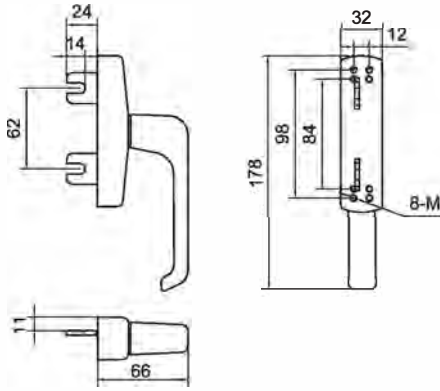

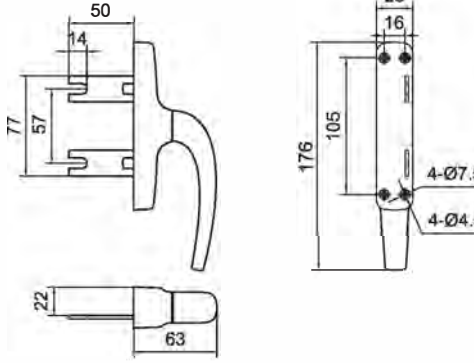
	<p>CZS133</p>  <ul style="list-style-type: none"> ◆ Open out & Left and Right ◆ Tongue available 20-60
 <p>Patented product</p>	<p>CZS160</p>  <ul style="list-style-type: none"> ◆ Open out & Left and Right ◆ Tongue available 20-60
 <p>Patented product</p>	<p>CZS161</p>  <ul style="list-style-type: none"> ◆ Open out & Left and Right ◆ Tongue available 20-60
 <p>Patented product</p>	<p>CZS162</p>  <ul style="list-style-type: none"> ◆ Open out & Left and Right ◆ Tongue available 20-60

	<p>CZS163</p>  <ul style="list-style-type: none"> ◆ Open out & Left and Right ◆ Tongue available 20-60
	<p>CZS200</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue available 20-60
 <p>Patented product</p>	<p>CZS310</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Left & Right
	<p>J17</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Left & Right

Other Window Handle Series


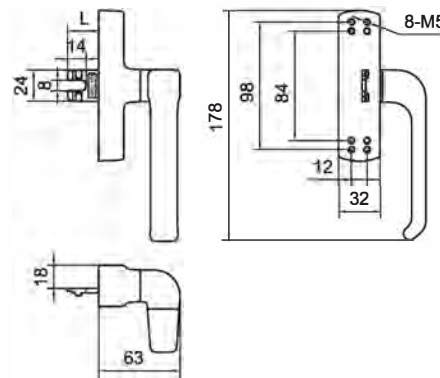

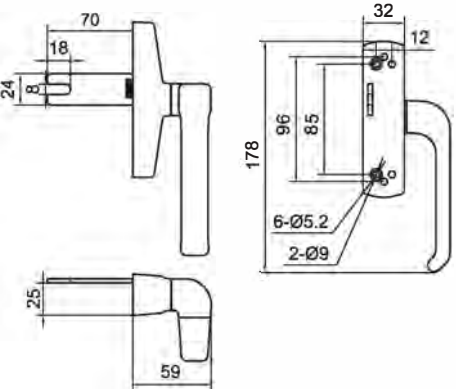

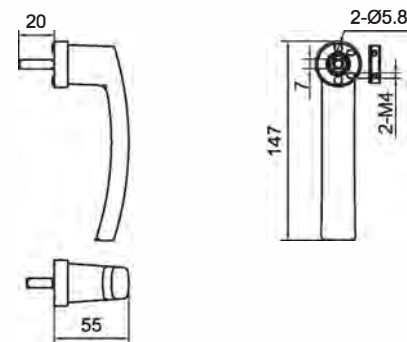
Other Window Handle Series

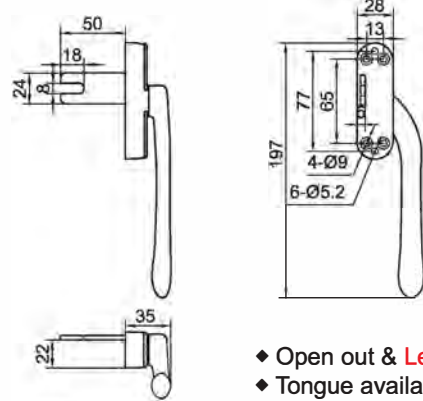

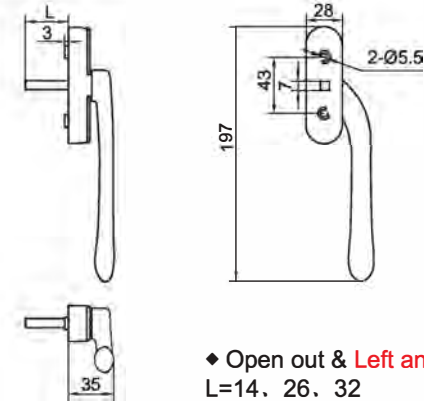

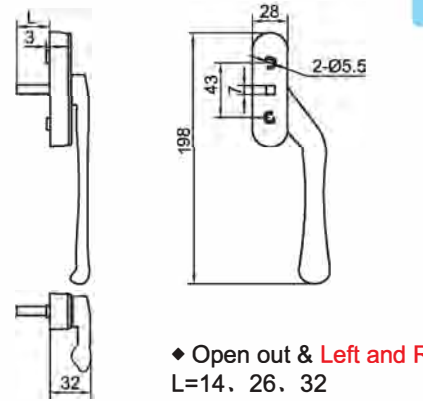

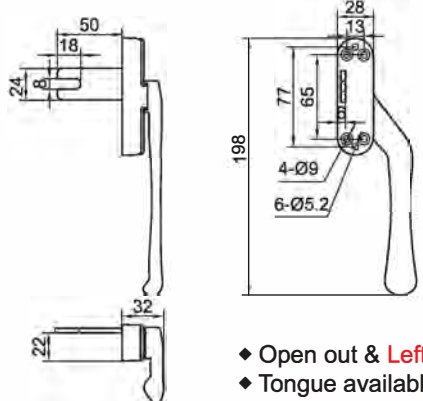

	<p>CZS311</p>  <ul style="list-style-type: none"> ◆ Open out & Left and Right ◆ Tongue available 20-40
	<p>CZS312</p>  <ul style="list-style-type: none"> ◆ Open out & Left and Right ◆ Tongue available 20-40
	<p>CZS329</p>  <ul style="list-style-type: none"> ◆ Open out ◆ Tongue available 20-60
	<p>CZS332</p>  <ul style="list-style-type: none"> ◆ Open out & Left and Right ◆ Tongue available 20-60

	<p>CZS408</p>  <ul style="list-style-type: none"> ◆ Open in ◆ Left & Right
	<p>CZS519</p>  <ul style="list-style-type: none"> ◆ Top-Hung ◆ Left & Right
	<p>CZS560</p>  <ul style="list-style-type: none"> ◆ Open out & Left and Right ◆ Tongue available 24-50 <p>Patented product</p>

Other Window Handle Series


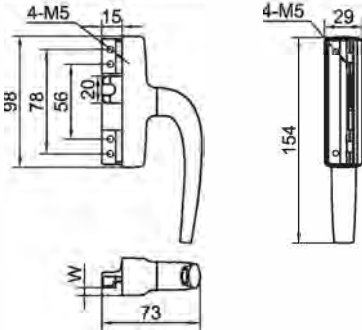

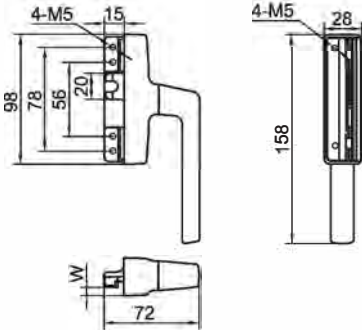

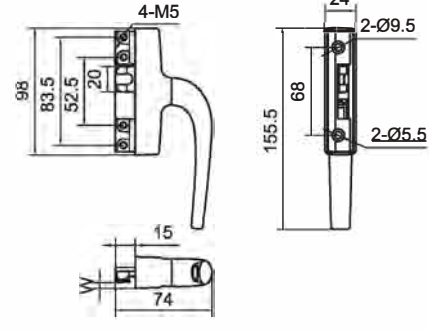

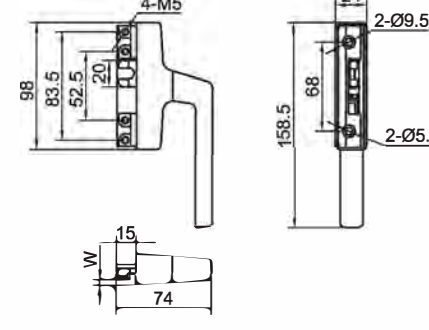
Other Window Handle Series

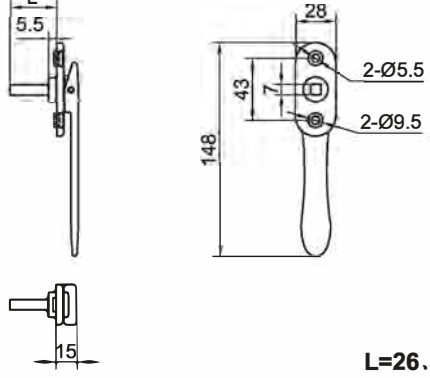

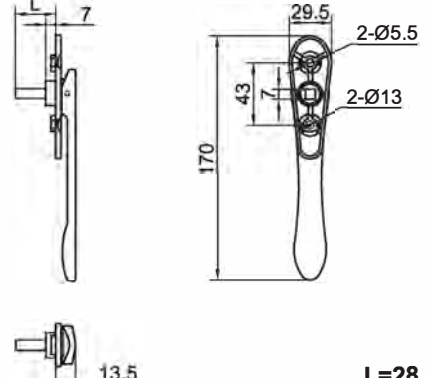

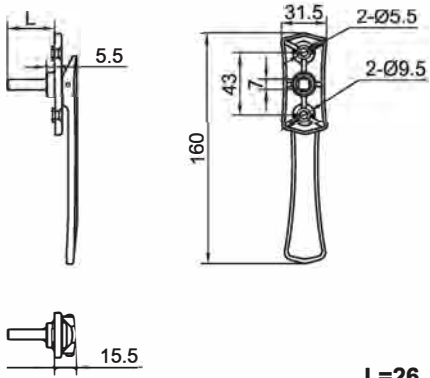

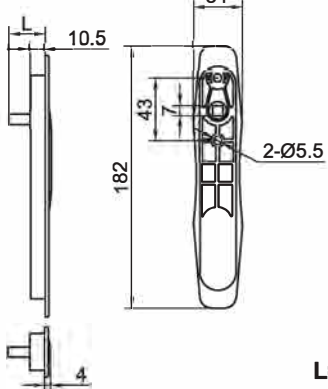

	<p>CZS619</p>  <p>Top-Hung L=24, 35, 46</p>
	<p>CZS621</p>  <p>◆ Open out & Left and Right ◆ Tongue available 20-70</p>
	<p>FZS11</p>  <p>Open-in & TT</p>

 <p>◆ Open out & Left and Right ◆ Tongue available 20-50</p>	<p>CZS636</p> 
 <p>◆ Open out & Left and Right L=14, 26, 32</p>	<p>CZS637</p> 
 <p>◆ Open out & Left and Right L=14, 26, 32</p>	<p>CZS638</p> 
 <p>◆ Open out & Left and Right ◆ Tongue available 20-50</p>	<p>CZS639</p> 

Other Window Handle Series


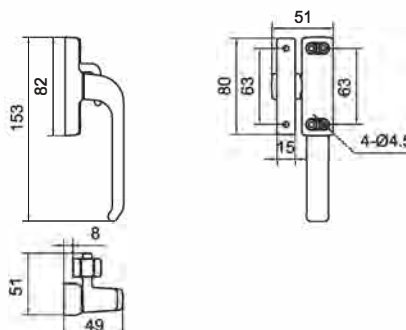

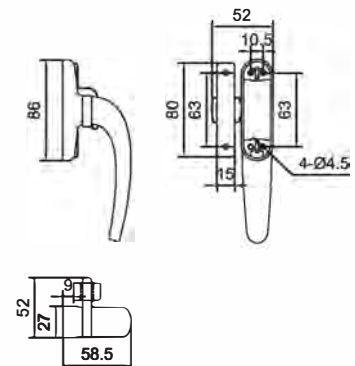

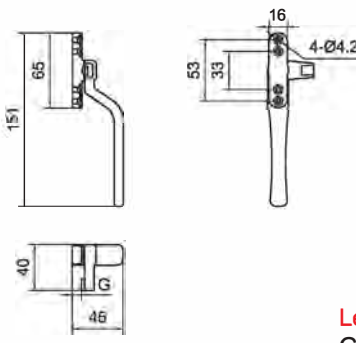

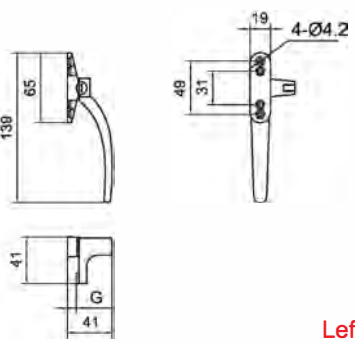
Other Window Handle Series

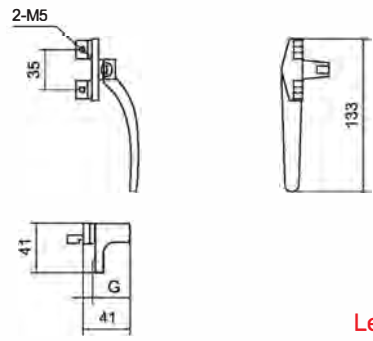

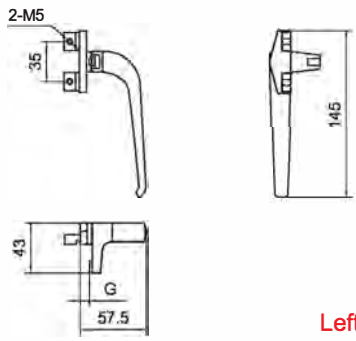

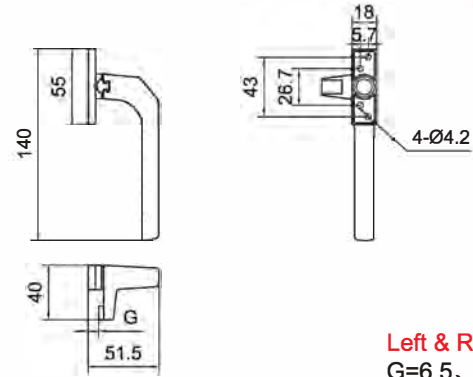

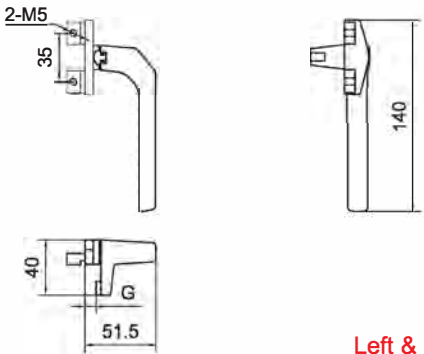

 <p>Patented product</p>	<p>K218A/I K218A/II</p>	 <ul style="list-style-type: none"> ◆ It's K218A/I when W=8.2. ◆ It's K218A/II when W=4.5. ◆ Open-out ◆ Left & Right
 <p>Patented product</p>	<p>K220A/I K220A/II</p>	 <ul style="list-style-type: none"> ◆ It's K220A/I when W=8.2. ◆ It's K220A/II when W=4.5. ◆ Open-out ◆ Left & Right
 <p>Patented product</p>	<p>K318 K318/II</p>	 <ul style="list-style-type: none"> ◆ It's K318 when W=4.5. ◆ It's K318/II when W=3. ◆ Open-out ◆ Left & Right
 <p>Patented product</p>	<p>K320 K320/II</p>	 <ul style="list-style-type: none"> ◆ It's K320 when W=4.5. ◆ It's K320/II when W=3. ◆ Open-out ◆ Left & Right

 <p>L=26. 32. 50</p>	<p>T28D</p> 
 <p>L=28. 34. 50</p>	<p>T30</p> 
 <p>L=26. 32. 50</p>	<p>T32</p> 
 <p>L=25. 35. 50</p>	<p>T34</p> 












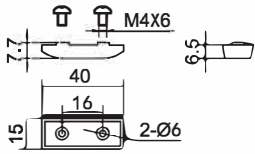

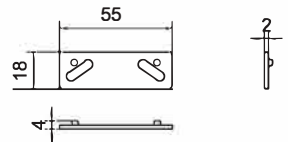

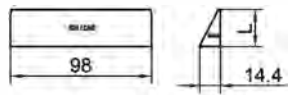
Other Window Handle Series

Other Window Handle Series


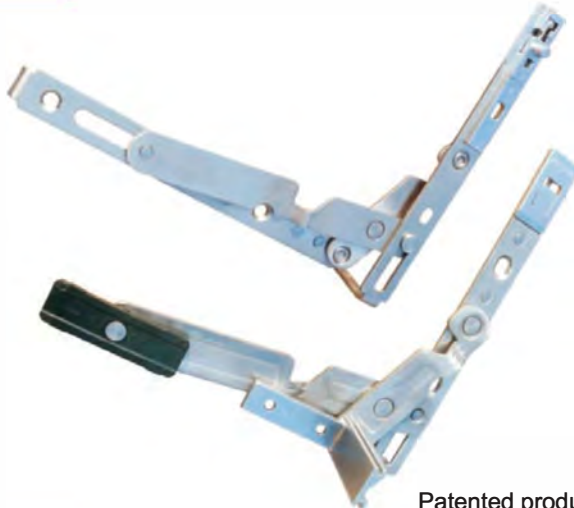

 <p>Patented product</p>	<p>CZS70</p>  <p>Left & Right</p>
	<p>CZS716</p>  <p>Left & Right</p>
	<p>MQ02</p>  <p>Left & Right G=8. 10</p>
	<p>MQ03</p>  <p>Left & Right G=8. 10</p>

 <p>Left & Right G=8. 10</p>	<p>MQ04</p> 
 <p>Left & Right G=8. 10</p>	<p>MQ05</p> 
 <p>Left & Right G=6.5. 8. 10</p>	<p>MQ06</p> 
 <p>Left & Right G=8. 10</p>	<p>MQ07</p> 




Window Handle Accessory Series

	<p>Pressed block</p> <table border="1" data-bbox="952 410 1222 576"> <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>MQ06-04</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, K220A/I, K220A/II, K318, K318/II, K320, K320/II. ◆ Side screw hole will be invisible after installation <p>Height L=12-25</p>								



Concealed Window Hinge Series

<p>YHE30</p> <ul style="list-style-type: none"> ◆ Left & Right Applicable to open-in side-hung window with standard Euro C groove. One set of window needs one left and one right hinge. ◆ Maximum weight bearing is 70kg which is affected by the installation and profile design. 	
<p>YHEA10/YHEB10</p> <ul style="list-style-type: none"> ◆ Left & Right Applicable to open-in side-hung window with standard Euro C groove. ◆ Maximum weight bearing is 70kg which is affected by the installation and profile design 	 <p>Patented product</p>
<p>YHEA20/YHEB20</p> <ul style="list-style-type: none"> ◆ Left & Right Applicable to open-in side-hung window with standard Euro C groove. ◆ Maximum weight bearing is 90kg which is affected by the installation and profile design 	 <p>Patented product</p>


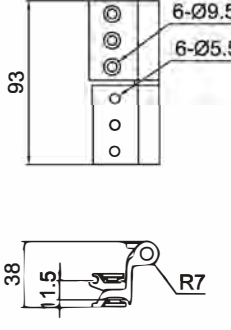

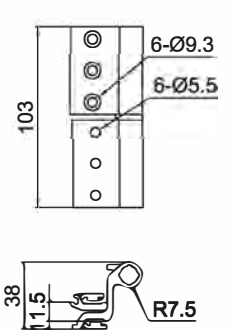

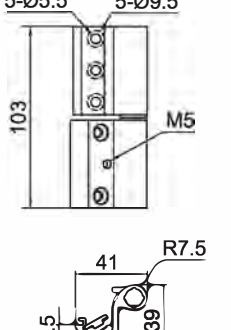

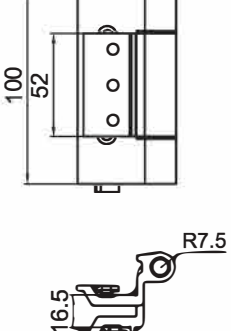
Concealed Window Hinge Series

 <p>Patented product</p>	<p>YHDS10/YHDS11</p> <ul style="list-style-type: none"> ◆ Left & Right Used together with YHDX10 on Turn&Tilt Window. YHDS11 is used on Turn&Tilt Window with multi-point lock on 4 sides. ◆ Maximum weight bearing is 90kg which is affected by the installation and profile design
 <p>Patented product</p>	<p>YHPS10/YHPS11</p> <ul style="list-style-type: none"> ◆ Left & Right Used together with YHDX10 on Turn&Tilt Window. YHPS11 is used on Turn&Tilt Window with multi-point lock on 4 sides. ◆ Maximum weight bearing is 90kg which is affected by the installation and profile design
 <p>Patented product</p>	<p>YHDX10</p> <ul style="list-style-type: none"> ◆ Left & Right Used together with YHDS10 (YHDS11) or YHPS10 (YHPS11). ◆ Maximum weight bearing is 90kg which is affected by the installation and profile design


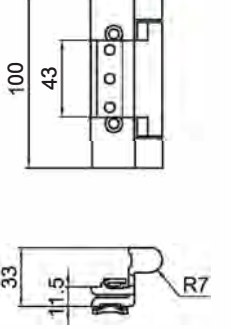

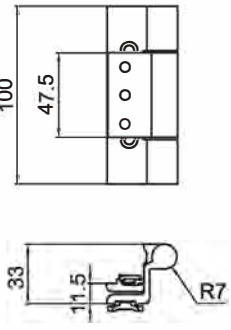

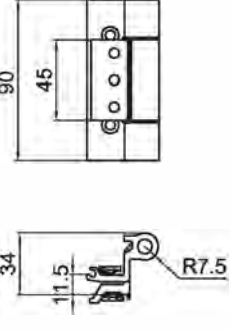

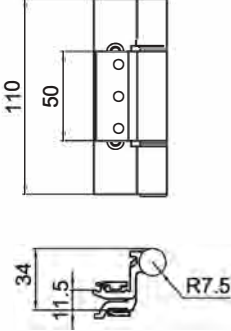
Concealed Window Hinge Series

<p>◆ Left & Right Used together with YWSB10 (YWSB11) on top- hung and open-out window with standard Euro C groove</p> <p>◆ Maximum weight bearing is 50kg which is affected by the installation and profile design</p>	 <p>YWSA10</p>
<p>◆ Left & Right Used together with YWSA10 on- standard Euro C groove top-hung and open-out window. YWSB1 is used on top-hung and open-out window with multi-point lock on 4 sides</p> <p>◆ Maximum weight bearing is 50kg which is affected by the installation and profile design</p>	 <p>YWSB10/YWSB11</p>


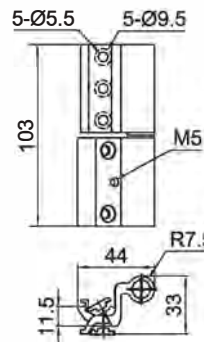

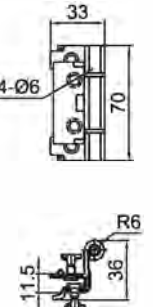

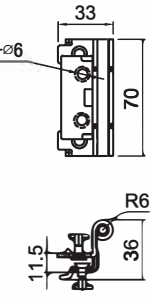

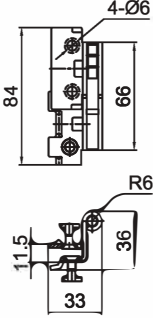
Other Window Hinge Series

	<p>J2B</p> <ul style="list-style-type: none"> ◆ Left & Right Applicable to casement window with standard Euro C groove ◆ Gap between frame and sash needs 3.5-5mm ◆ Maximum weight bearing is 55kg which is up to 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 Euro C groove ◆ Gap between frame and sash needs 3.5-5mm ◆ Required thickness of profile is 1.2 to 1.7mm ◆ Maximum weight bearing is 55kg which is up to the installation and profile design ◆ Central axis of the hinge is adjustable 
	<p>J6</p> <ul style="list-style-type: none"> ◆ Left & Right Applicable to casement window with standard Euro C groove ◆ Gap between frame and sash needs 3.5-5mm ◆ Required thickness of profile is 1.2 to 1.7mm ◆ Maximum weight bearing is 55kg which is up to the installation and profile design ◆ Central axis of the hinge is adjustable, refer to hinge J3 for the similar method 
	<p>J16</p> <ul style="list-style-type: none"> ◆ Applicable to casement window with standard Euro 23C groove (Refer to WK1100 Series) ◆ Gap between frame and sash needs 3.5-5mm ◆ Required thickness of profile is 1.2 to 1.7mm ◆ Maximum weight bearing is 60kg which is up to the installation and profile design 

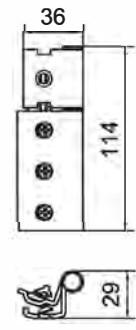

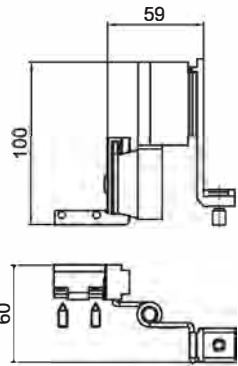

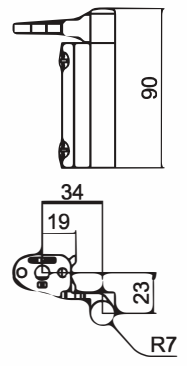

Other Window Hinge Series

	<p>N2B</p> <ul style="list-style-type: none"> ◆ Applicable to the casement window with Standard Euro C groove profile ◆ Gap between frame and sash needs to be 3.5 to 5.0mm ◆ Maximum weight bearing is 80kg which is affected by the installation and profile design 
	<p>N4A</p> <ul style="list-style-type: none"> ◆ Applicable to the casement window with Standard Euro C groove profile ◆ Gap between frame and sash needs to be 3.5 to 5.0mm ◆ Maximum weight bearing is 55kg which is affected by the installation and profile design 
	<p>CJ4</p> <ul style="list-style-type: none"> ◆ Applicable to the casement window with Standard Euro C groove profile ◆ Gap between frame and sash needs to be 3.5 to 5.0mm ◆ Maximum weight bearing is 55kg which is affected by the installation and profile design 
	<p>CJ5</p> <ul style="list-style-type: none"> ◆ Applicable to the casement window with Standard Euro C groove profile ◆ Gap between frame and sash needs to be 3.5 to 5.0mm ◆ Maximum weight bearing is 80kg which is affected by the installation and profile design ◆ Eccentrically adjustable for the hinge 

Other Window Hinge Series


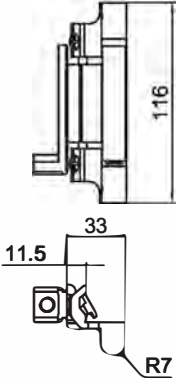

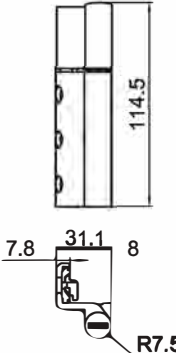

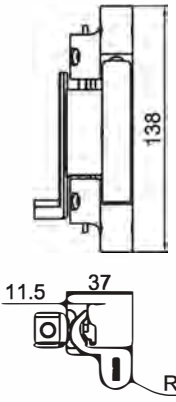
	<p>CJ12</p> <ul style="list-style-type: none"> ◆ Left & Right Applicable to the casement window with standard EuroC groove ◆ Gap between frame and sash needs 3.5-5mm ◆ Required thickness of profile is 1.2 to 1.7mm ◆ Maximum weight bearing is 55kg which affected by the installation and profile design ◆ Eccentrically adjustable for the hinge and adjustment method is same as hinge J3 
 <p>Patented product</p>	<p>BHY20</p> <ul style="list-style-type: none"> ◆ Applicable to the casement window with Standard Euro C groove ◆ Gap between frame and sash need to be 3.5-5.0mm ◆ Maximum weight bearing is 60Kg which is affected by the installation and profile design 
	<p>BHY20/I</p> <ul style="list-style-type: none"> ◆ Applicable to the casement window with Standard Euro C groove ◆ Applicable to the fire-resistant window ◆ Gap between frame and sash need to be 3.5-5.0mm ◆ Maximum weight bearing is 60Kg which is affected by the installation and profile design 
 <p>Patented product</p>	<p>BHY21</p> <ul style="list-style-type: none"> ◆ Left & Right Applicable to the casement window with Standard Euro C groove ◆ Gap between frame and sash need to be 3.5-5.0 ◆ Maximum weight bearing is 55kg which is affected by the installation and profile design 

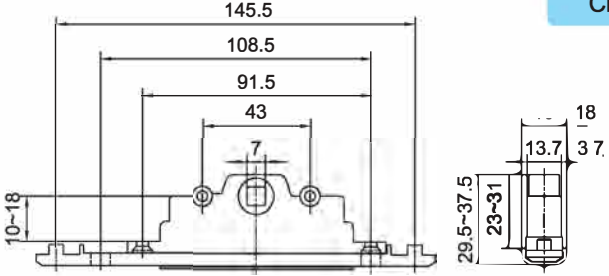

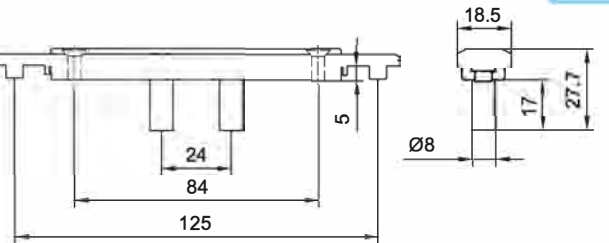

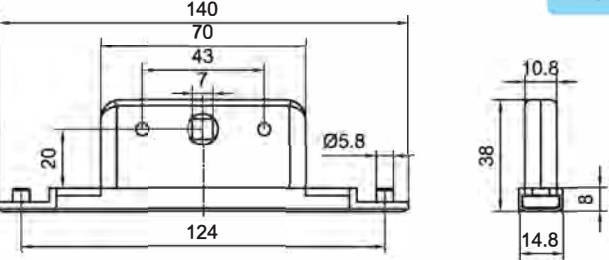

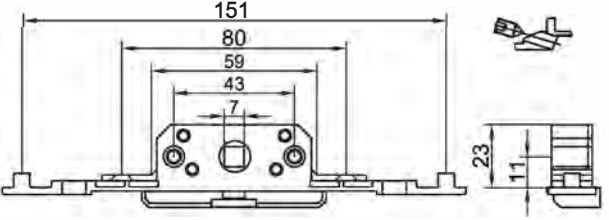

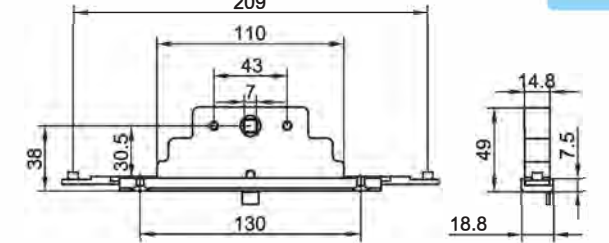

Other Window Hinge Series

<p>BHYA11</p> <ul style="list-style-type: none"> ◆ Left & Right Used together with BHYB11 for Turn&Tilt Window ◆ Gap between frame and sash need to be 3.5-5.0 ◆ Maximum weight bearing is 130kg which is up to installation and profile design 	 <p>Patented product</p>
<p>BHYB11</p> <ul style="list-style-type: none"> ◆ Left & Right Used together with BHYA11 for Turn&Tilt Window ◆ Gap between frame and sash need to be 3.5-5.0 ◆ Maximum weight bearing is 90kg which is up to installation and profile design 	 <p>Patented product</p>
<p>NDHA10</p> <ul style="list-style-type: none"> ◆ Left & Right Used together with NDHB10 for Turn&Tilt Window ◆ Gap between frame and sash need to be 3.8-5.0 ◆ Maximum weight bearing is 90kg which is up to installation and profile design 	 <p>Patented product</p>

Other Window Hinge Series

Transmitter Series

 <p>Patented product</p>	<p>NDHB10</p> <ul style="list-style-type: none"> ◆ Left & Right Used together with NDHA10 for Turn&Tilt Window ◆ Gap between frame and sash need to be 3.8-5.0 ◆ Maximum weight bearing is 90kg which is up to installation and profile design 
 <p>Patented product</p>	<p>NDHA11</p> <ul style="list-style-type: none"> ◆ Left & Right Used together with NDHB11 for Turn&Tilt Window ◆ Gap between frame and sash need to be 4-5.0 ◆ Maximum weight bearing is 130kg which is up to installation and profile design 
 <p>Patented product</p>	<p>NDHB11</p> <ul style="list-style-type: none"> ◆ Left & Right Used together with NDHA11 for Turn&Tilt Window ◆ Gap between frame and sash need to be 4-5.0 ◆ Maximum weight bearing is 130kg which is up to installation and profile design 

 <ul style="list-style-type: none"> ◆ Applicable to handles with square steel 	<p>CDQ10</p>  <p>Patented product</p>
 <ul style="list-style-type: none"> ◆ Applicable to handle CZS560 	<p>CDQ17</p> 
 <ul style="list-style-type: none"> ◆ Applicable to handles with square steel 	<p>CDQ20</p> 
 <ul style="list-style-type: none"> ◆ Applicable to handle FZS11 	<p>CDQ30</p> 
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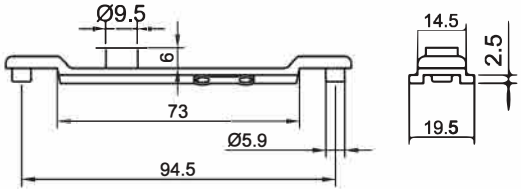

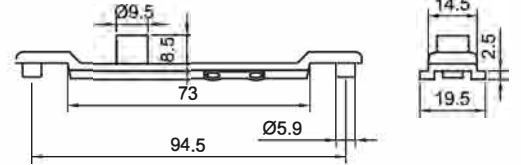

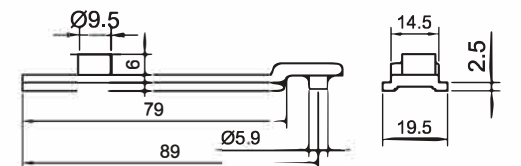

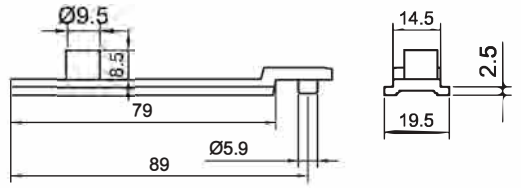
Transmission Rod Series

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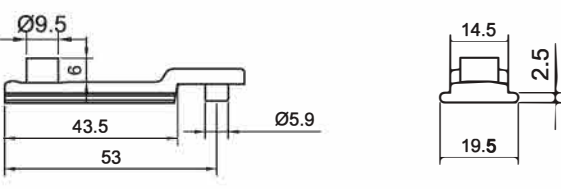

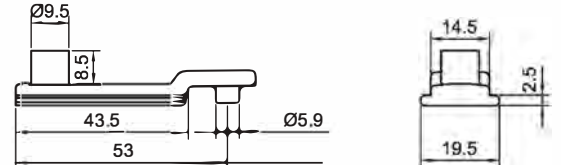

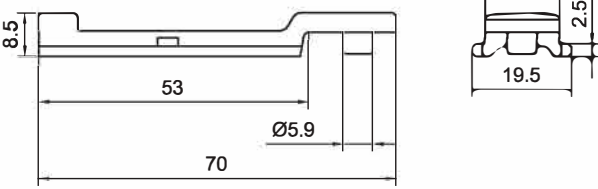

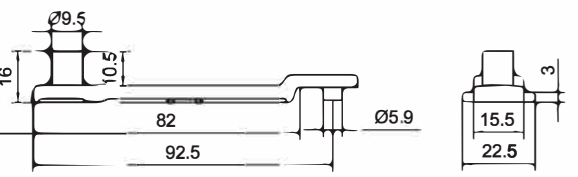

Transmission Rod Series

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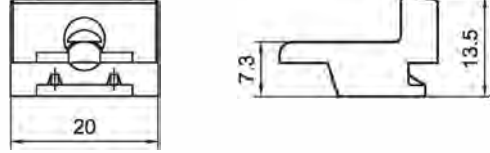

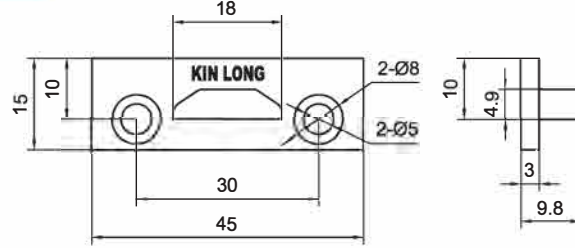

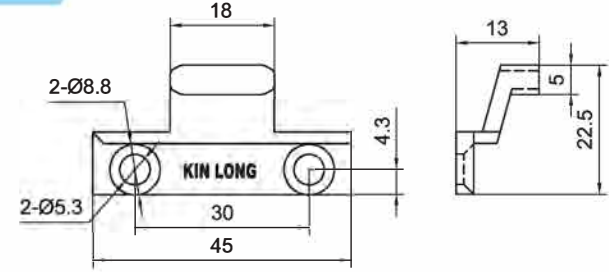

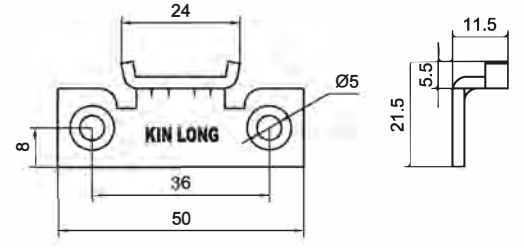

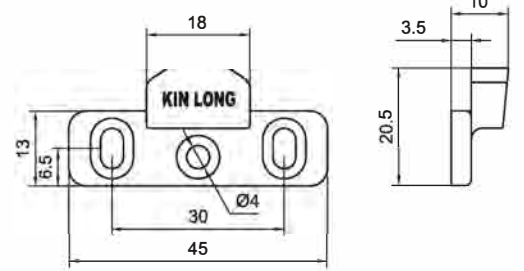
Transmission Rod Series

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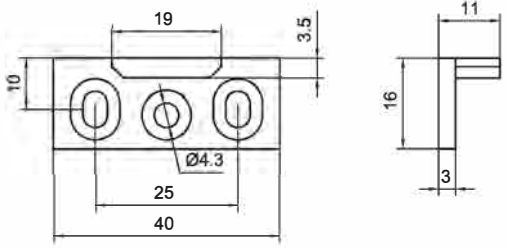

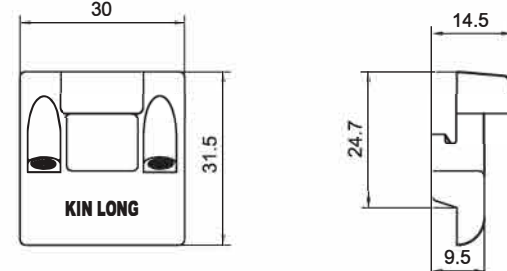
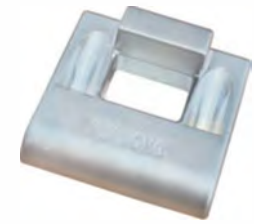
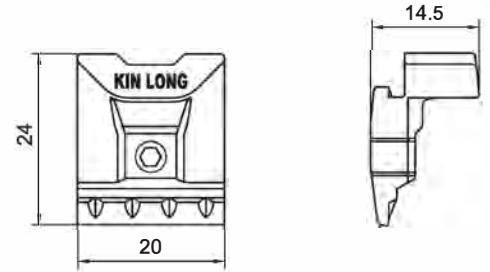

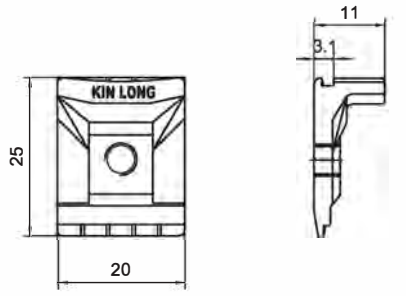

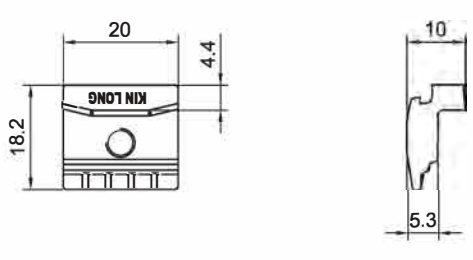

Transmission Rod Series

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	<p>CDG40</p>  <p>Patented product</p>


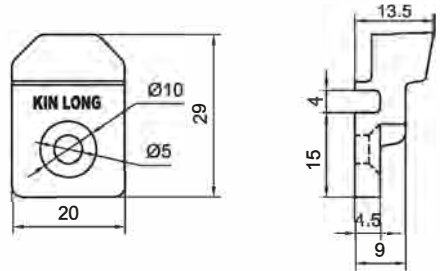

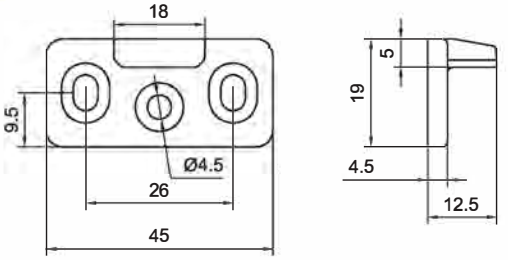

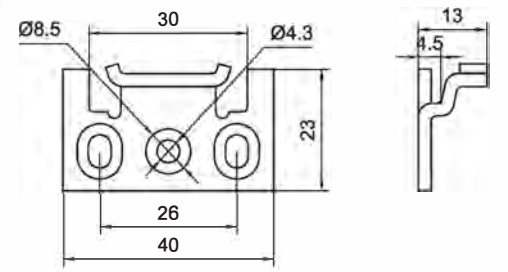

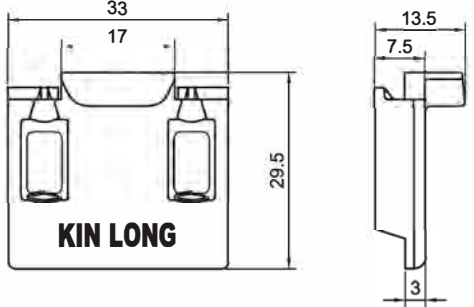

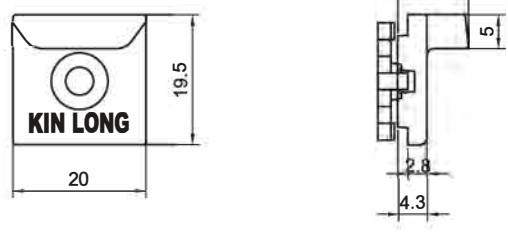
Locking Point and Locking Plate Series

	<p>ZA1-6A</p> 
	<p>T01A</p> 
	<p>HY-07A</p> 
	<p>B04A</p> 
	<p>B06</p> 


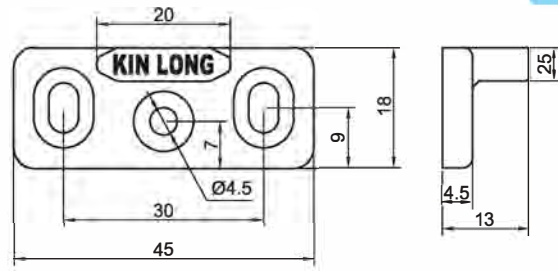

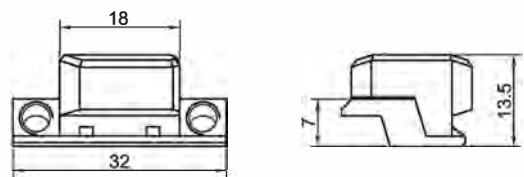

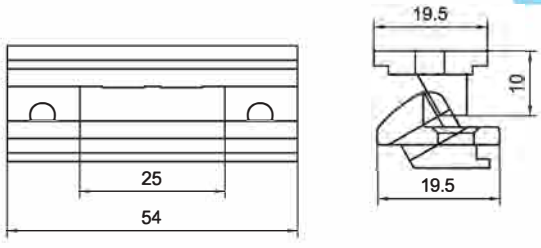

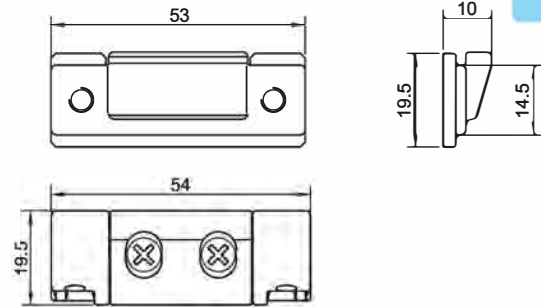
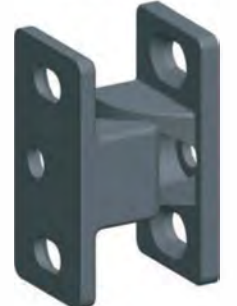
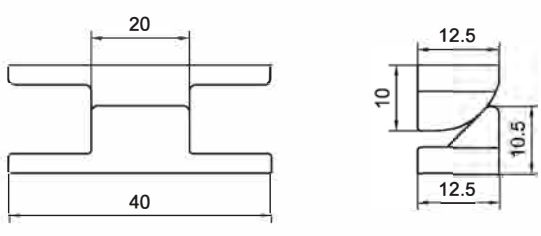
Locking Point and Locking Plate Series

	<p>B08A</p> 
	<p>SK18</p> 
	<p>SK26</p> 
	<p>SK27</p> 
	<p>SK28</p> 

Locking Point and Locking Plate Series


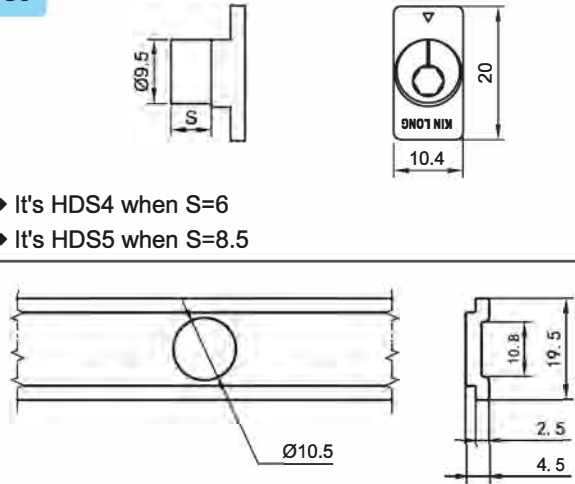

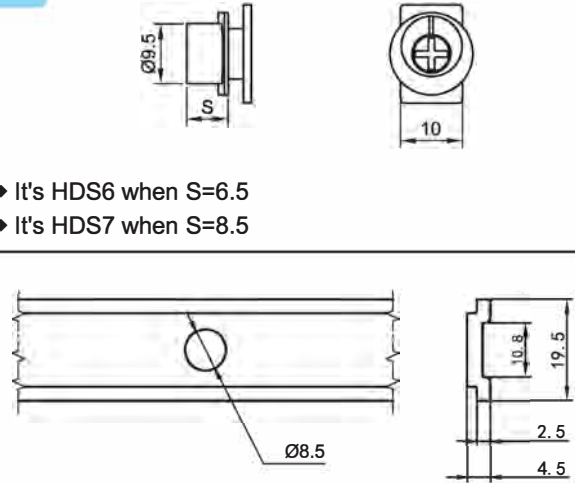

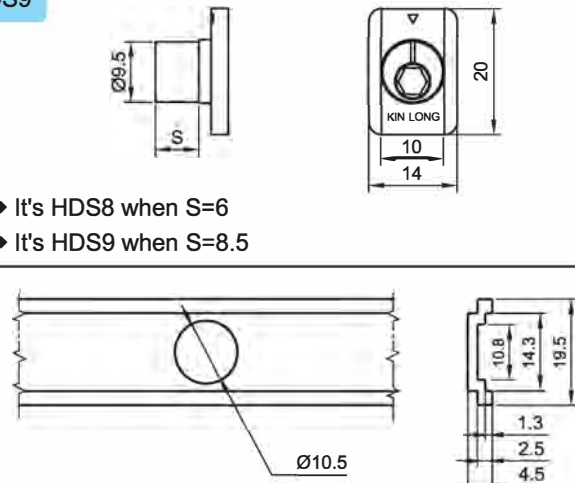
	<p>SK31</p> 
	<p>SK32B</p> 
	<p>SK33</p> 
	<p>SK35</p> 
	<p>SK36</p> 

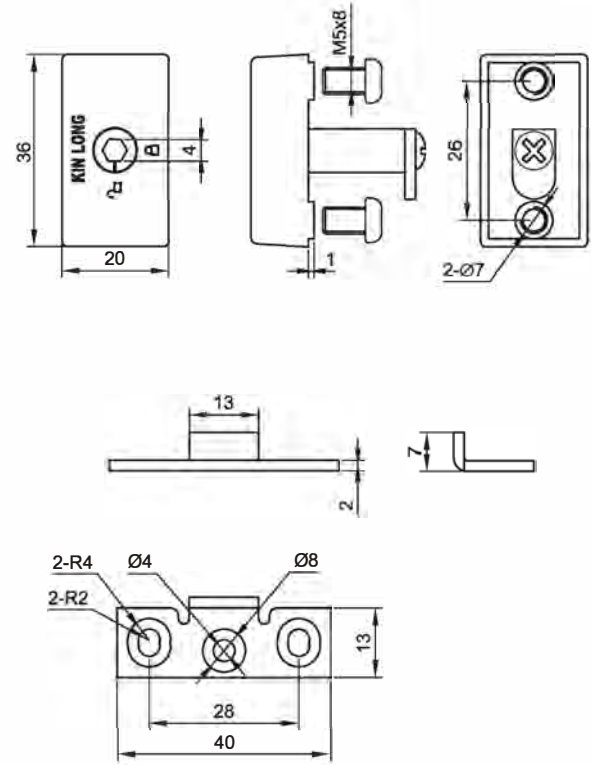

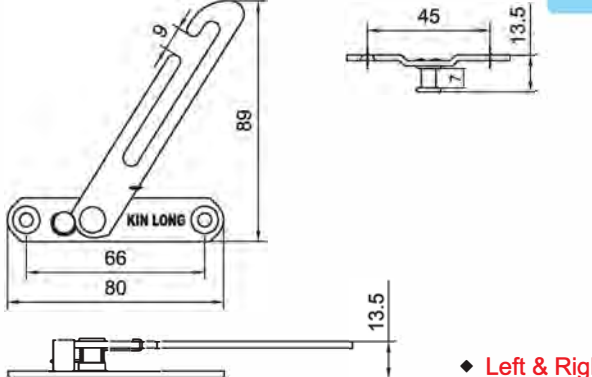

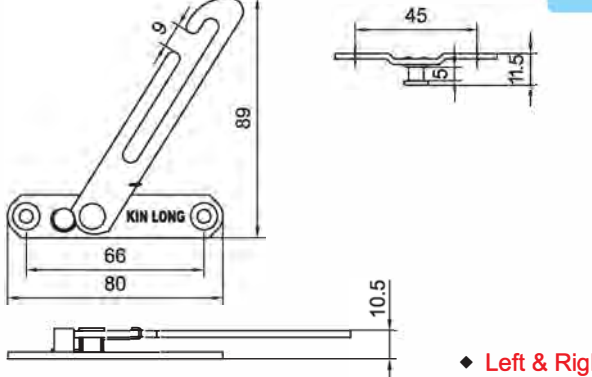

Locking Point and Locking Plate Series

	<p>SK37</p> 
	<p>SK38</p> 
	<p>SK70</p> 
	<p>LSK72</p> 
	<p>SK75</p> 

Locking Point and Locking Plate Series

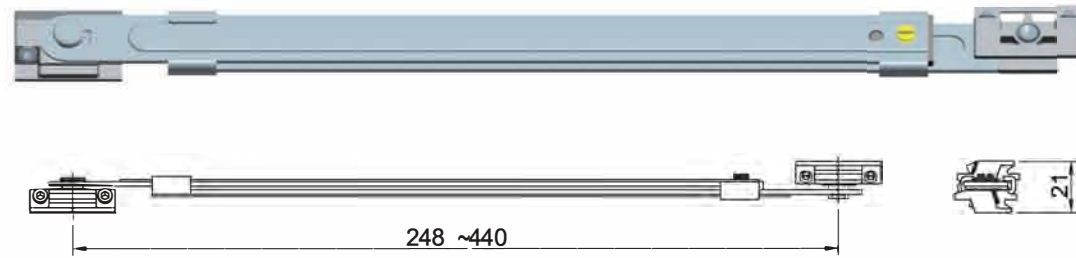
Accessory Series

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

<p>AQS10/SK29</p> 	
<p>AQQ01</p>  <p>◆ Left & Right</p>	
<p>AQQ02</p>  <p>◆ Left & Right</p>	

Other Accessories

Limiter for System Window



- ◆ PX13 suit for Standard C groove
- ◆ Lock plate can be taken off from limiter body to do window cleaning or maintenance
- ◆ The top screw limited structure to limit open degree.

Side Hung Window Limiter Series

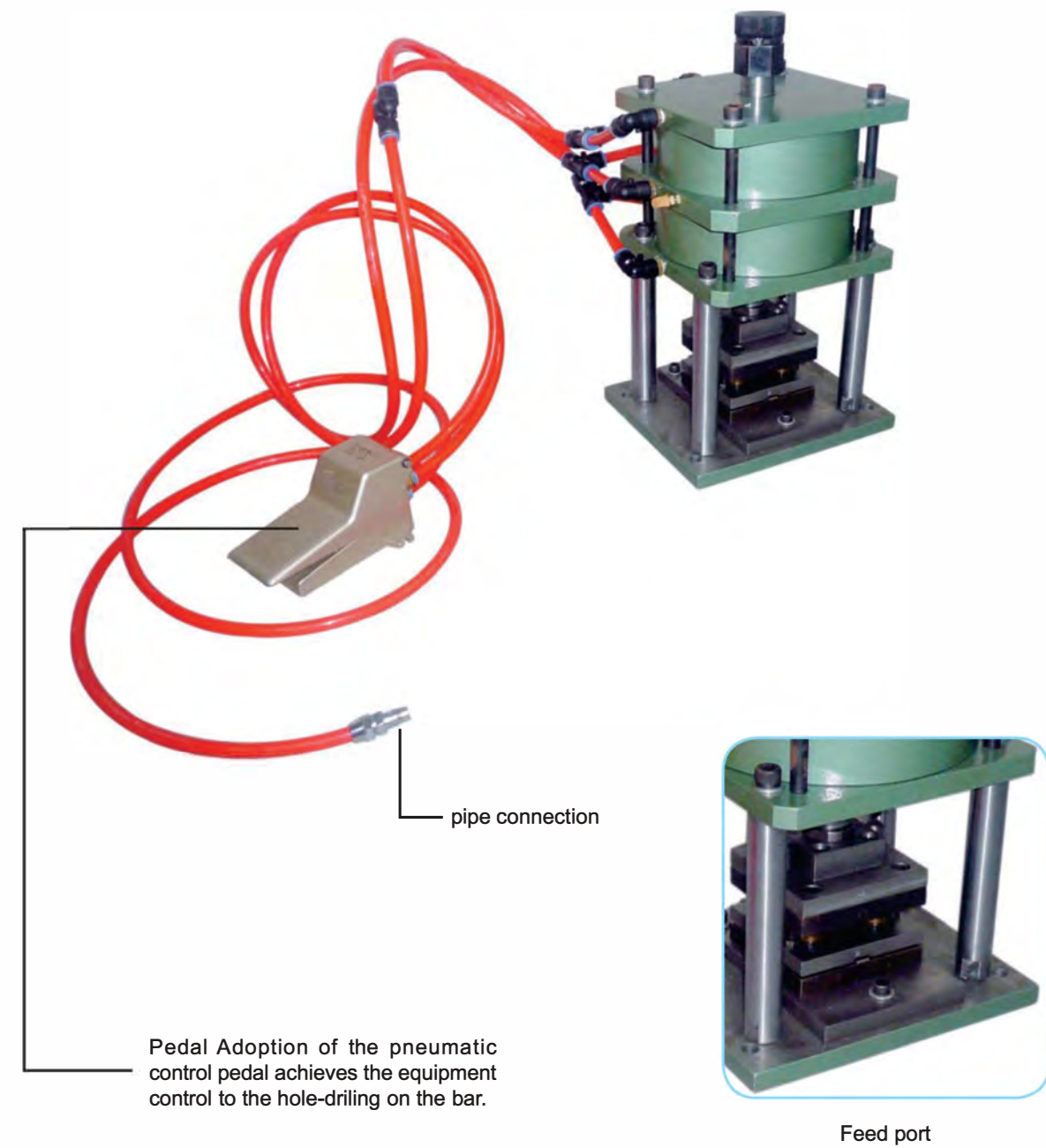


- ◆ Used in side hung window with standard C-groove profile
- ◆ Restrict oping angle
- ◆ Locking plate and linking bar can be separated for window cleaning and maintenance
- ◆ The company reserves the right to interpret and change the specifications and illustrated details without prior notification

Installation Dimension (mm)				
Code	A	B	Applied window width	Open Angle
PX10-8" (PX10-203)	183	262	350	Discretional
PX10-10" (PX10-254)	234	313	400	Discretional
PX10-12" (PX10-305)	285	364	500	Discretional
PX10-14" (PX10-355)	335	414	600	Discretional
PX10-16" (PX10-406)	386	465	700	Discretional

Drilling equipment

Pneumatic punching equipment, through which the aluminium bar hole can be drilled by just putting the aluminium rod into the mould, improves construction efficiency, saves precious time for you and drills out beautiful and standard holes. The equipment is easy to install and adopts the pedal control mode which makes the operation simple, safe and convenient.





High Load bearing Hardware System to Tilt&Open in Window with Big Size

- ◆ Flexible and natural ventilation, not having uncomfortable feeling of the strong wind.
- ◆ Professional mute design with smooth operation
- ◆ New design for installation without damage to profile, easy for installation and maintenance
- ◆ Excellent sealing and smooth open or close
- ◆ Optimized structure with load capacity up to 130kg
- ◆ Child safety lock increases security level



Hardware Solution for Screen Window

- ◆ Perfect combination between ventilation and mosquito prevention
- ◆ Make screen window have open function to breakthrough traditional one
- ◆ Multi point lock with high safety
- ◆ Screen window and side hung window operate separately
- ◆ Solve the problem of inner and outer screen window system
- ◆ Two types of matched hardware system with tongue or pin



Code: CZS636



Code: CZS639



Code: T32



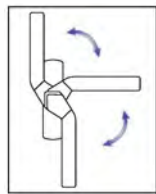
Code: T30





Solution to Open-out&Top -Hung Window Hardware System

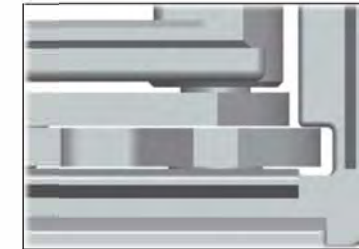
- ◆ Combined function of open -out and top-hung makes window have full and flexible Ventilation at different time periods.
- ◆ Special-matched handle makes the operation comfortable and humanized.
- ◆ Concealed installation makes the hardware invisible and good sealing performance.
- ◆ Self-protection and anti-drop design increases the safety.



Features of concealed hinge YHE30 for casement window

- ◆ Applicable to the casement window with standard Euro C groove.
- ◆ Please note one set of window needs one left and one right hinge.
- ◆ Hinge will be invisible after installation. Window will be environment-friendly and energy-saving with great sealability.

★ Adopting high -quality & thickened stainless steel and the secondary compaction structure design to guarantee the load-bearing and safety.

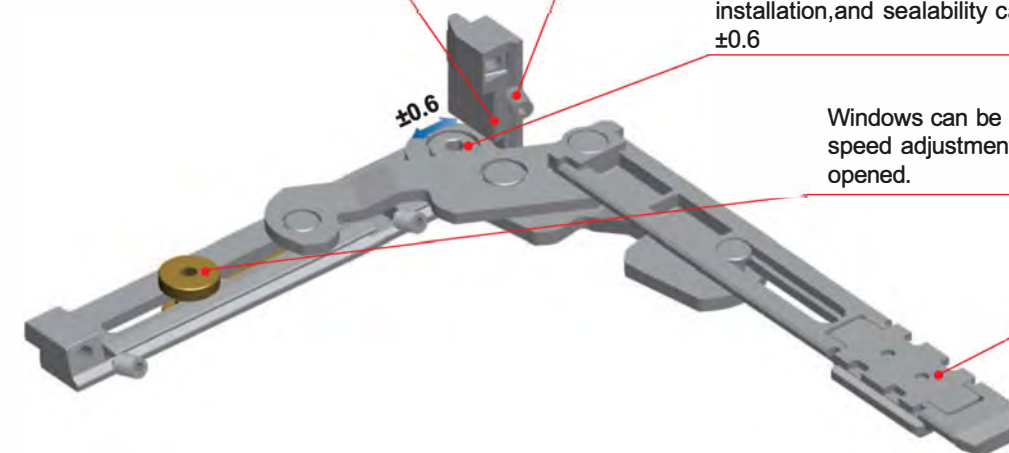


Meet the requirement of fast installation without breaking profile and fixation is firm and reliable.

Guarantee the sealability of windows after installation, and sealability can be adjusted by ± 0.6

Windows can be opened with infinitely variable speed adjustment and can be positioned after opened.

Fast installation with firm and reliable fixation



Introduction of Handle Color



Stoving Varnish Golden



Stoving Varnish Rose Golden



Stoving Varnish Dark Golden

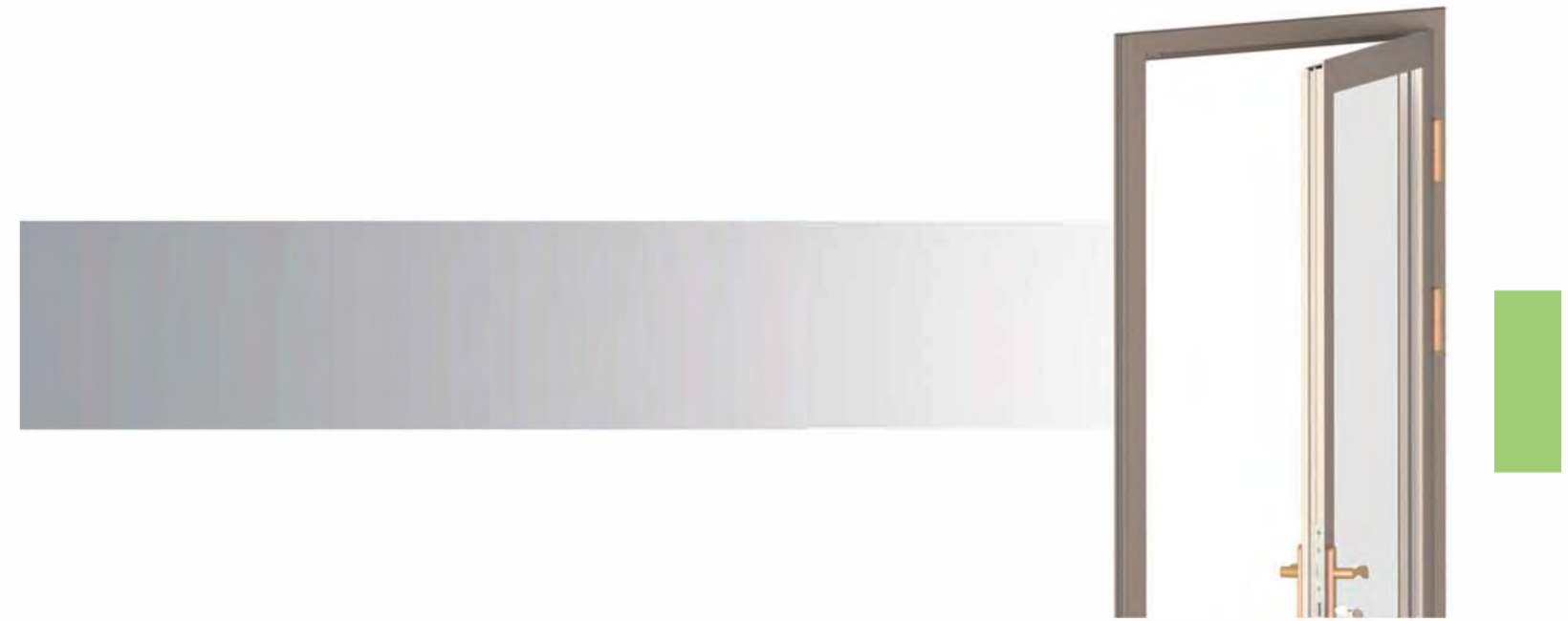


Stoving Varnish Silver White

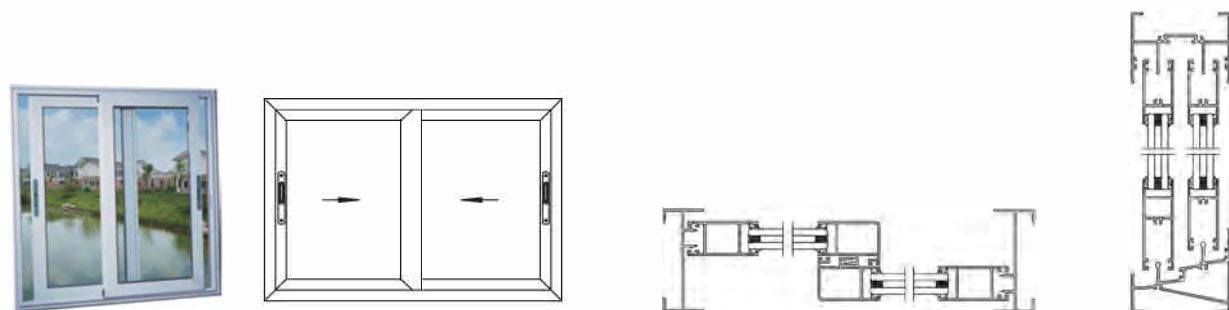
Color in the picture is only for reference and please refer to physical object for practical application. For more option, please refer to the updated color plate.

Products of KIN LONG adopt the latest surface treatment, showing off excellent metallic texture with strong visual impact. Meanwhile, color stability, high wearability and excellent dampproof and waterproof not only bring you satisfactory performance but also increase energy conservation and environmental protection for your residence.

II. Aluminum Sliding Window & Door Hardware Series



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	FDK	1	
05	Crescent Lock	Y17/I	1	Optional
06	Lock Hook	Y05-19A	1	Optional
07	Micro -Ventilation device	TFQ30	1	①
08	anti-strike lock	TFK01	2	Match sliding lock only


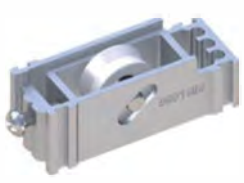


Optional sliding locks for reference

Sliding Lock TLS10/TLS10K	Sliding Lock TLS19/TLS19K	Sliding Lock SDS10/I, ZDS10/II	Sliding Lock SDS18/ZDS18
			

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
			

Optional Rollers for reference

Roller CL11	Roller CL15	Roller CLG20	Roller CL60G19K16
			

Configuration Introduction

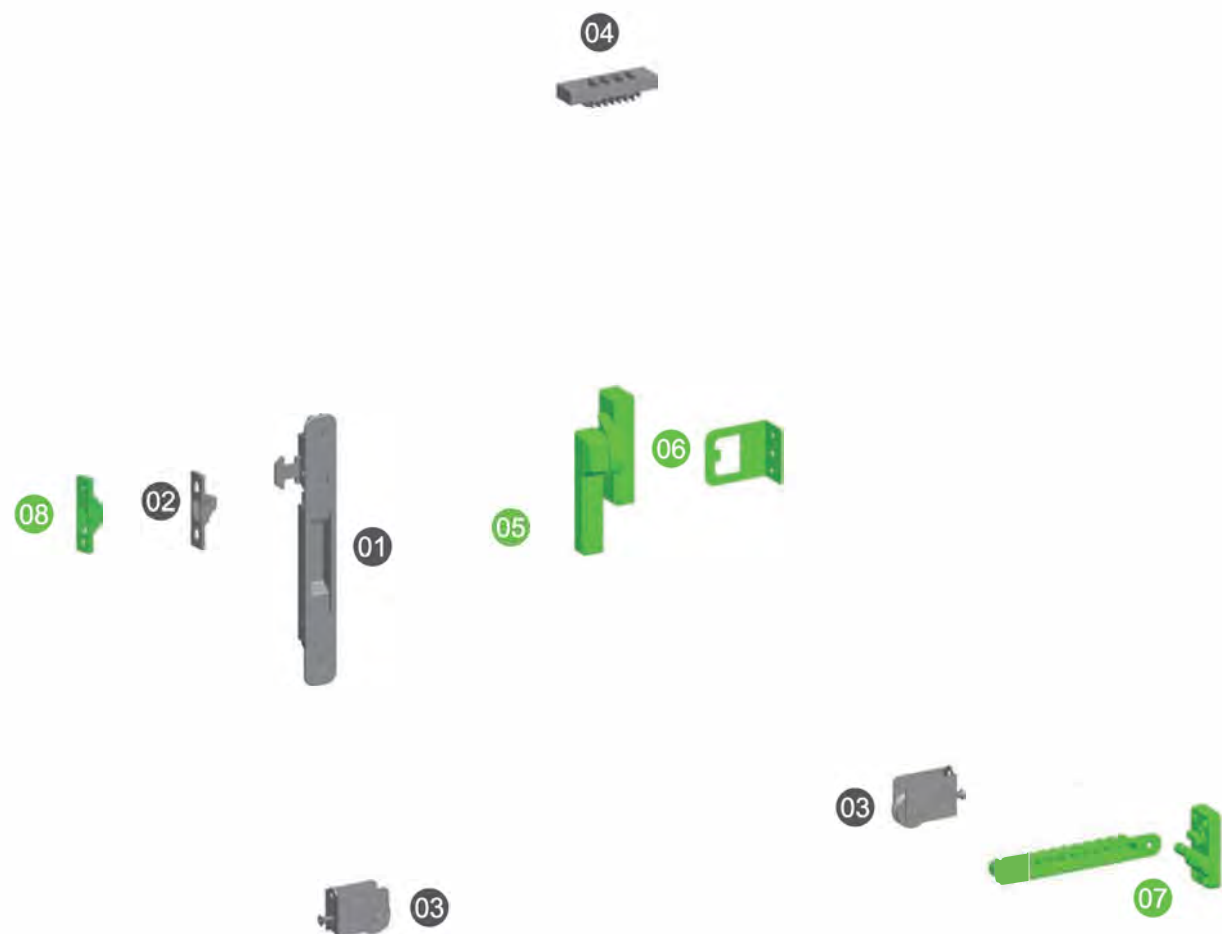
① Items in green are optional

★ Selection of micro-ventilation device offers safe ventilation guarantee for rooms of the elder and children, schools, hospitals and other public places

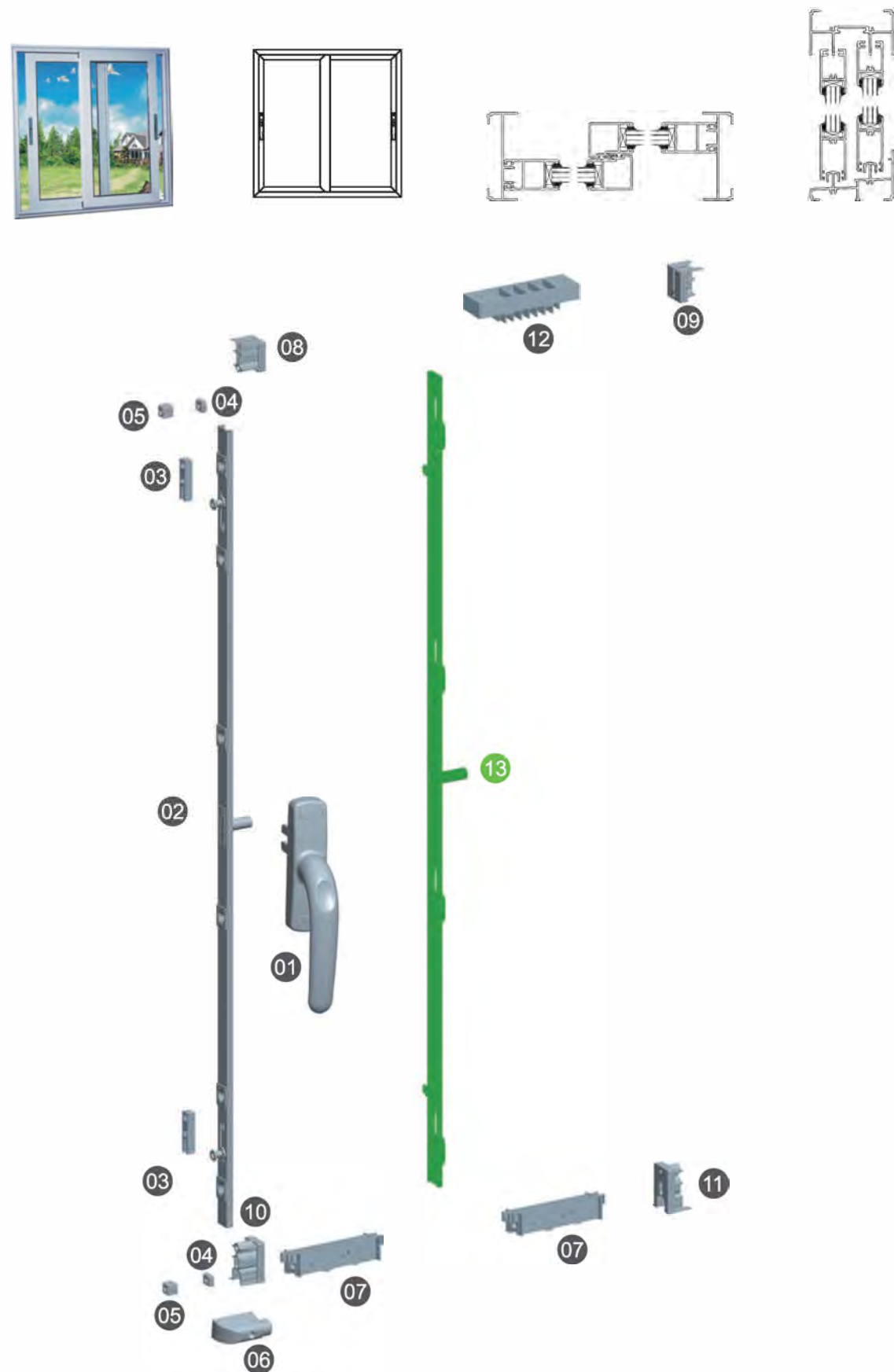
★ Suitable for sliding window series with ordinary aluminum profile

★ Select hardware according to the profile, the configuration above only for reference

★ Roller can meet the load bearing of single sash 40Kg



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	FK-D	1	
07	Double Roller	ML14-GKJ	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	FDK	1	
13	Transmission Rod	TLG01-L	2	Depend on Door Type ①

Optional Rollers for reference

Handle TZS20	Handle TZS118	Handle TZS120	Handle TZS23
			

Optional Rollers for reference

Roller ML50G33K24	Roller ML16A	Roller ML19	Roller ML11
			

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 maximum load bearing capacity of Roller is 80~110Kg/Sash


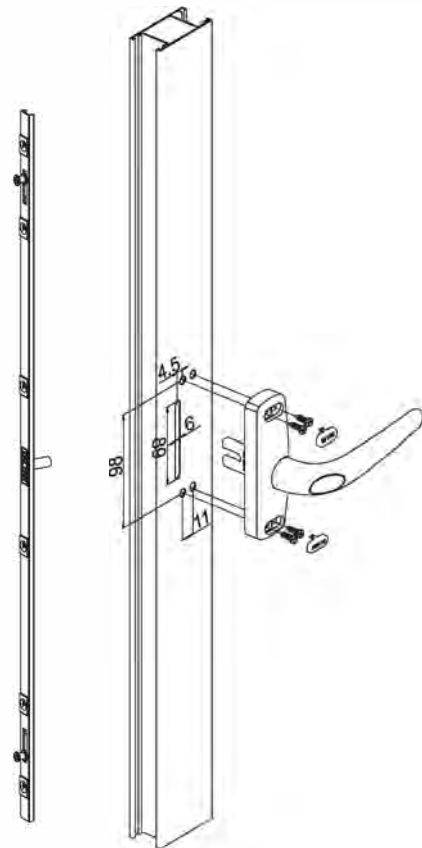
Characteristic description for TLM100 Series Sliding Door Hardware

Feature of door type

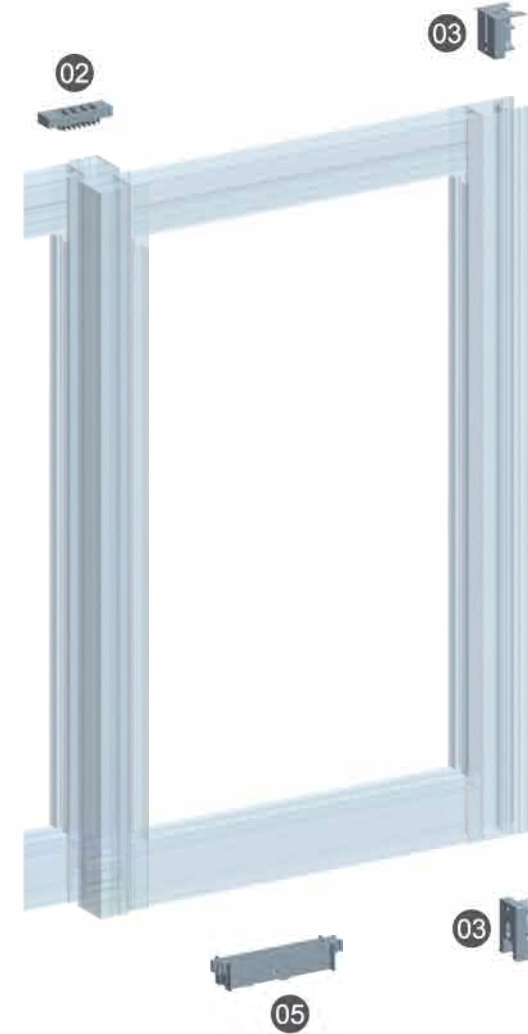
- ◆ Single point control and convenient operation
- ◆ Multi-Point Lock, excellent performance
- ◆ System run steadily, portion can be customized for supporting
- ◆ High bearing capacity, suitable for large size door

01
TLG02A features

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


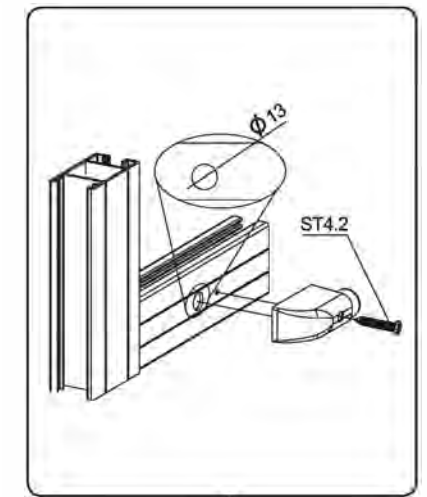
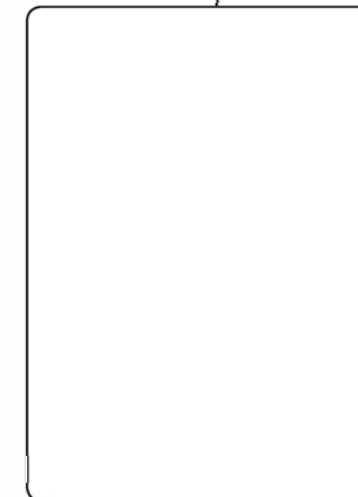



★ Advise experimental installation before batch opening




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

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

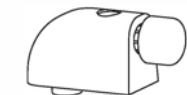
05
Roller feature

- ◆ Cover is made of high-strength extruded aluminum alloy
- ◆ Roller is made of wear-resistant engineering plastics
- ◆ High bearing capacity, and flexible adjustment



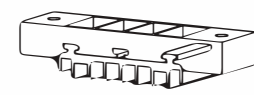
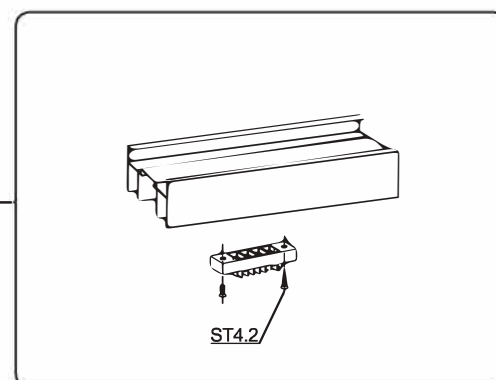
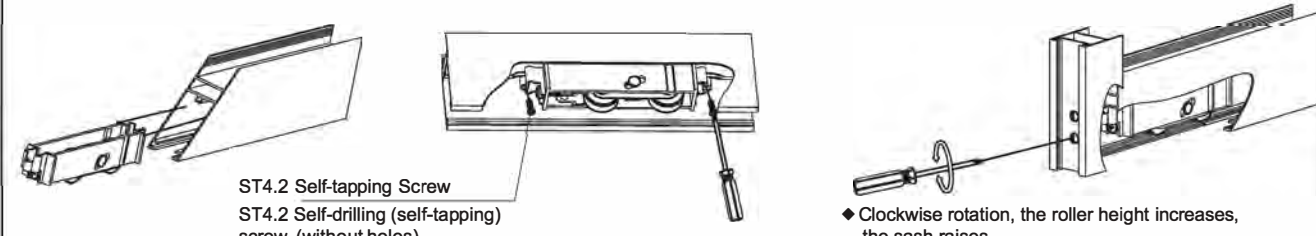
04
FK-D feature

- ◆ 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



02
FDK feature

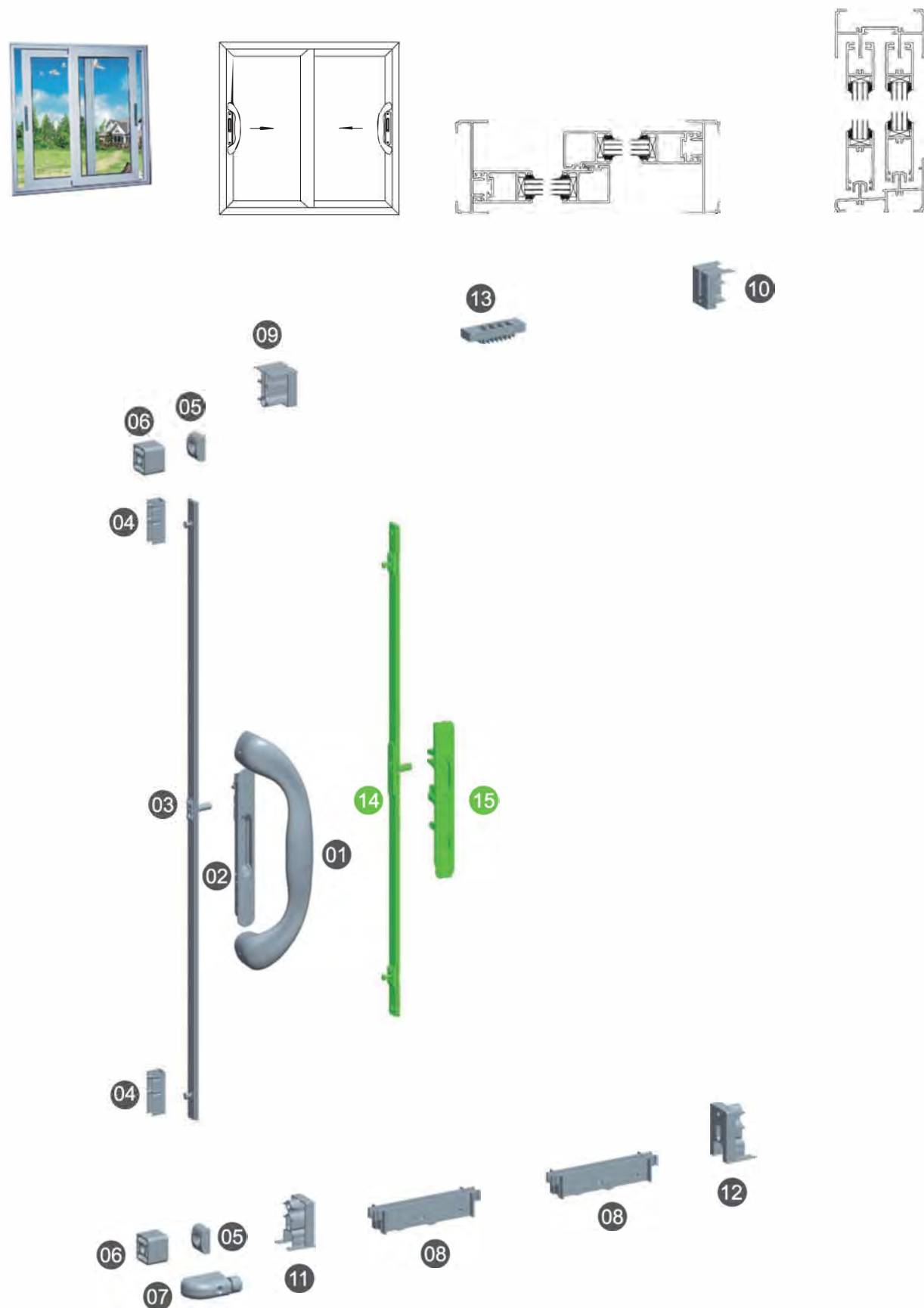
- ◆ Adopting superior polyamide materials
- ◆ Improved the safety

ST4.2 Self-tapping Screw
ST4.2 Self-drilling (self-tapping) screw, (without holes)

- ◆ Clockwise rotation, the roller height increases, the sash raises
- ◆ Counter-clockwise rotation, the roller height decreases, the sash drops

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	FK-D	1	
08	Double Roller	ML14-GKJ	4	Roller Product, Optional
09	Left Upper End	DG-03	2	
10	Right Upper End	DG-04	2	
11	Left Bottom End	DG-05	2	
12	Right Bottom End	DG-06	2	
13	Anti-theft Piece	FDK	1	
14	Transmission Rod	TLG12	2	Optional ①
15	Sliding Lock	TLS30	2	Optional ①

Configuration Introduction

① Hardware items in green are optional

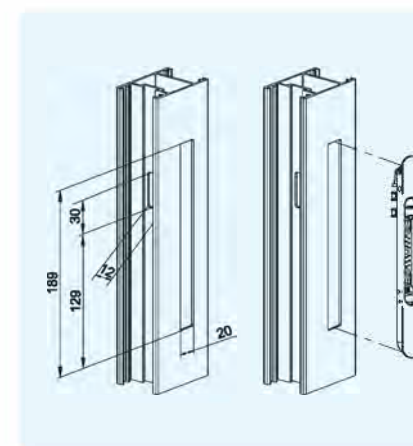
★ Suitable for sliding door series with ordinary aluminum profile

★ Select hardware according to the profile, the configuration above only for reference

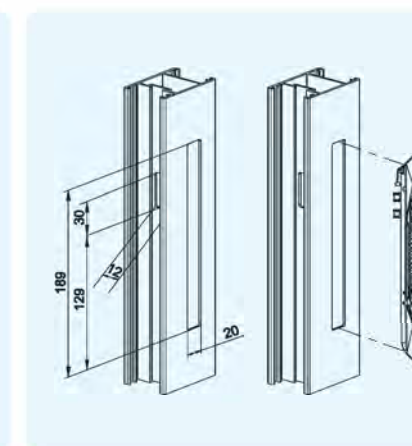
★ Transmission Rod mounted on the C groove profile can effectively solve the problem of Aluminum Rod deformation caused by misoperation, The multi-lock points design makes the lock situation of the sliding doors much better, improving the anti-theft performance

★ The maximum load bearing capacity of Roller is 110Kg/Sash

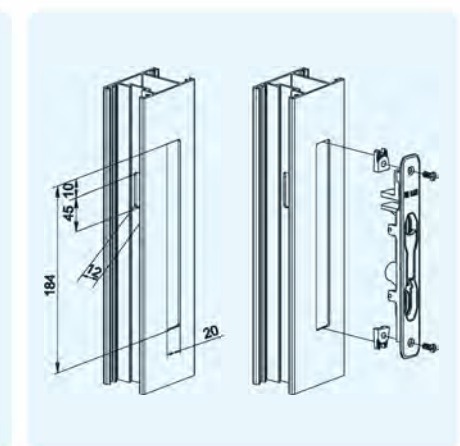
Drilling illustration for SDS11



Drilling illustration for SDS12



Drilling illustration for TLS30

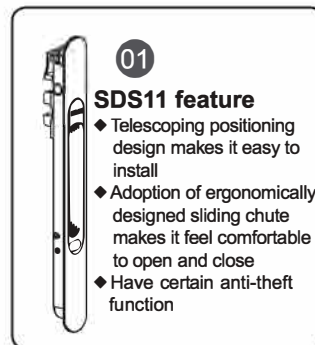


★ Advise experimental installation before batch opening

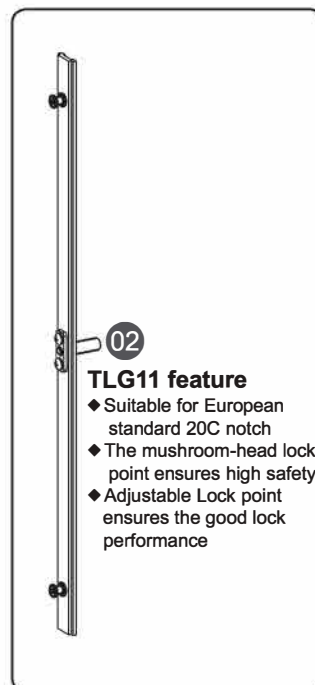
Characteristic description for TLM110 Series Sliding Door Hardware

Feature of door type

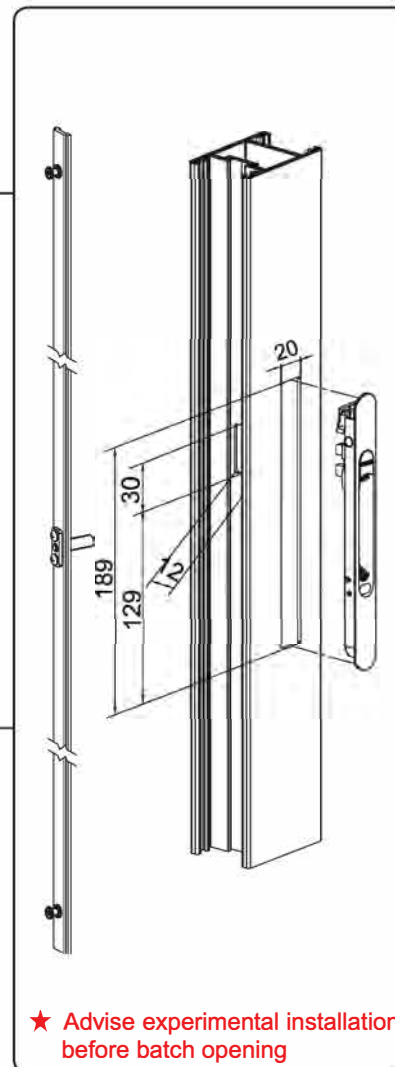
- ◆ Single point control and convenient operation
- ◆ Multi-Point Lock, excellent performance
- ◆ System run steadily, portion can be customized for supporting
- ◆ High bearing capacity, suitable for large size door



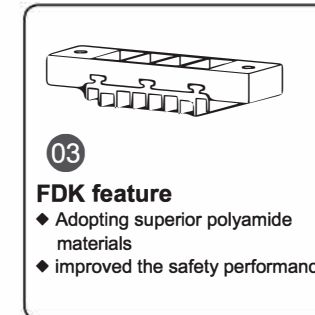
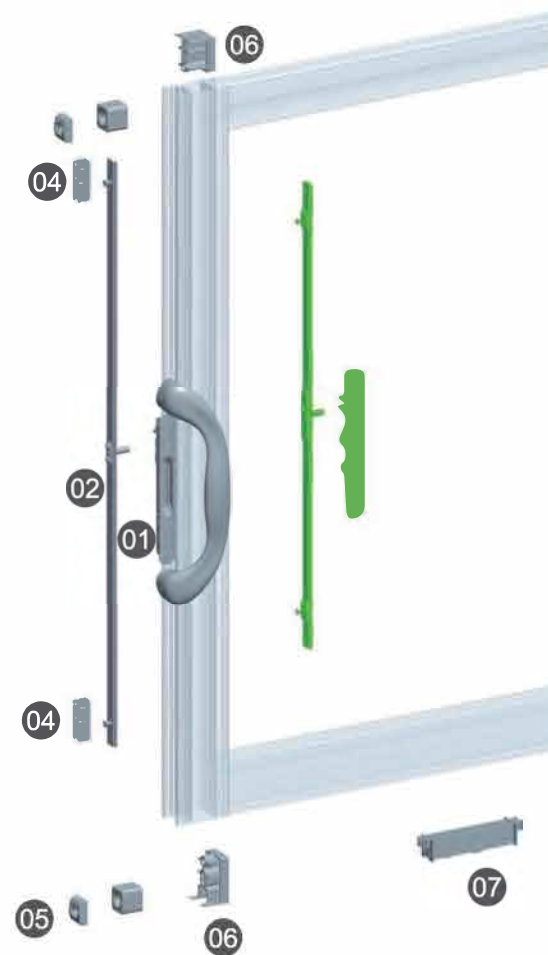
- 01 SDS11 feature**
- ◆ Telescoping positioning design makes it easy to install
 - ◆ Adoption of ergonomically designed sliding chute makes it feel comfortable to open and close
 - ◆ Have certain anti-theft function



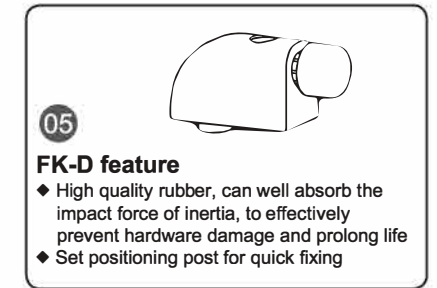
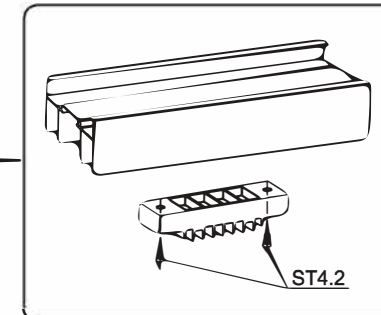
- 02 TLG11 feature**
- ◆ Suitable for European standard 20C notch
 - ◆ The mushroom-head lock point ensures high safety
 - ◆ Adjustable Lock point ensures the good lock performance



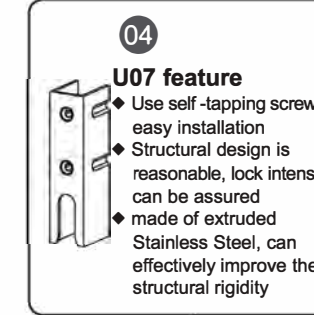
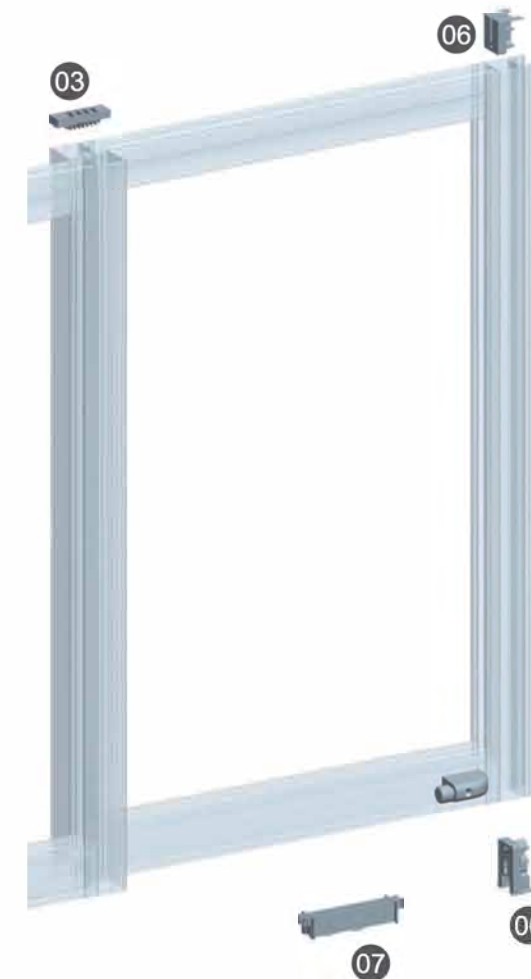
★ Advise experimental installation before batch opening



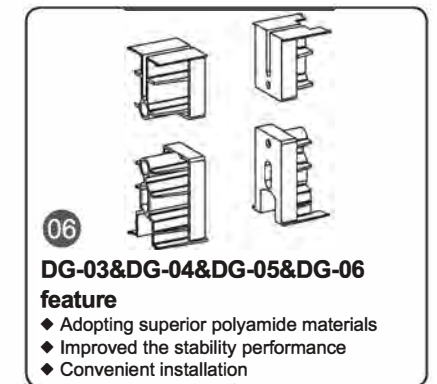
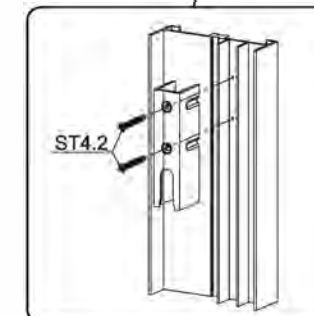
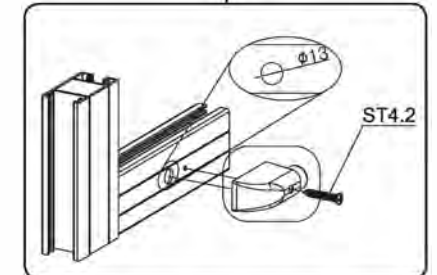
- 03 FDK feature**
- ◆ Adopting superior polyamide materials
 - ◆ Improved the safety performance



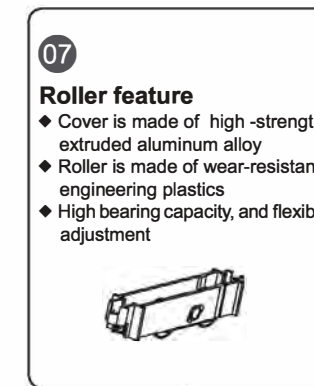
- 05 FK-D feature**
- ◆ High quality rubber, can well absorb the impact force of inertia, to effectively prevent hardware damage and prolong life
 - ◆ Set positioning post for quick fixing



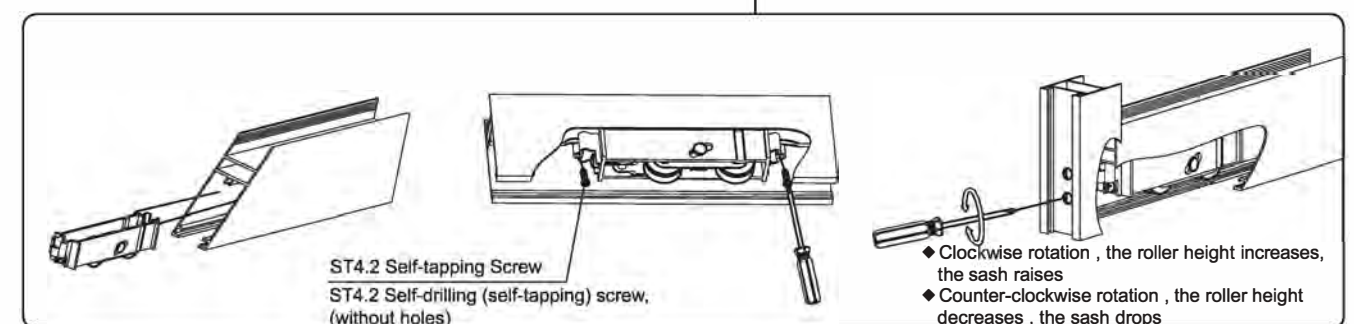
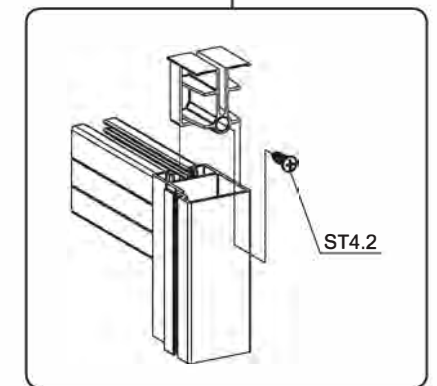
- 04 U07 feature**
- ◆ Use self-tapping screws, easy installation
 - ◆ Structural design is reasonable, lock intensity can be assured
 - ◆ made of extruded Stainless Steel, can effectively improve the structural rigidity



- 06 DG-03&DG-04&DG-05&DG-06 feature**
- ◆ Adopting superior polyamide materials
 - ◆ Improved the stability performance
 - ◆ Convenient installation



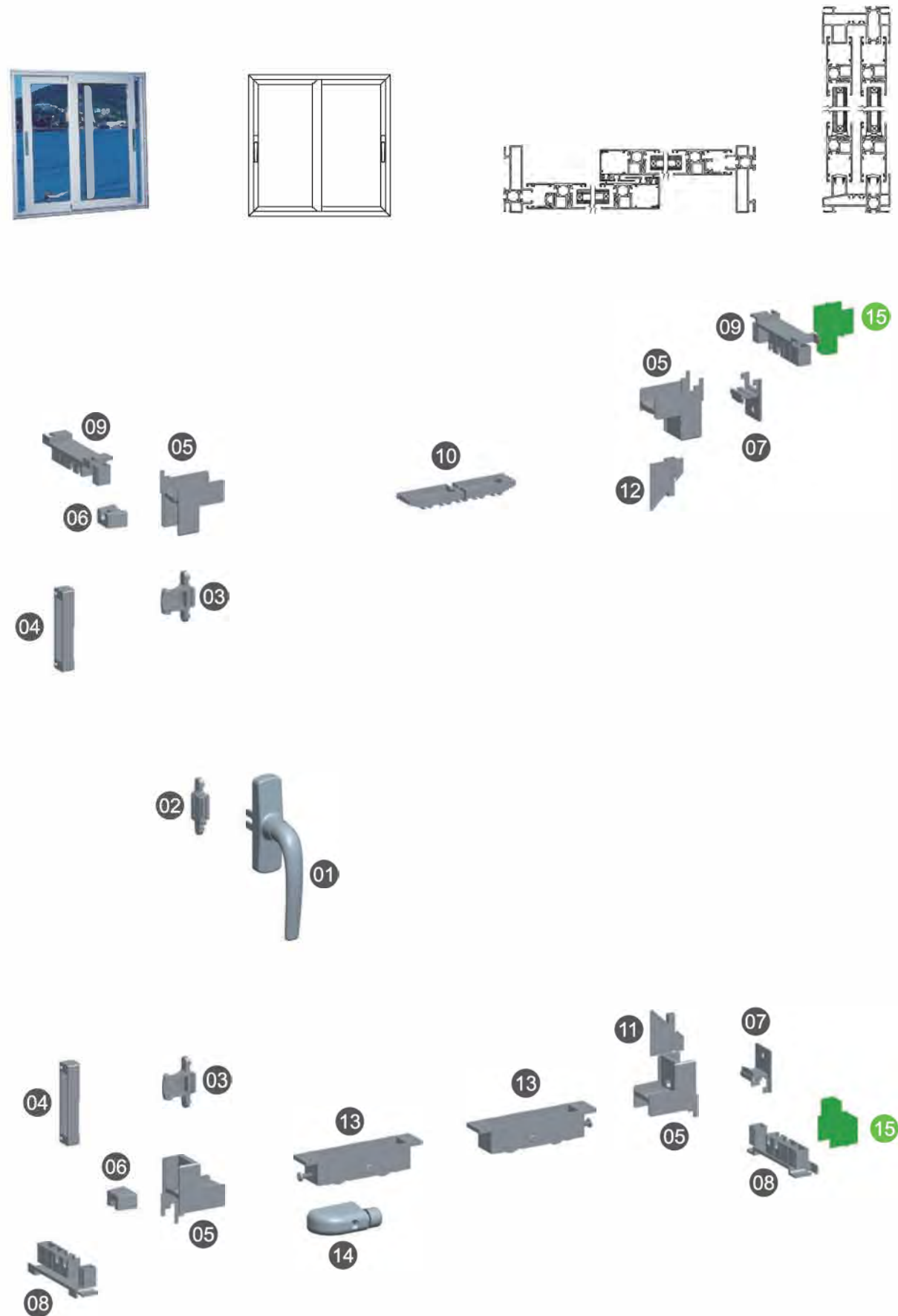
- 07 Roller feature**
- ◆ Cover is made of high-strength extruded aluminum alloy
 - ◆ Roller is made of wear-resistant engineering plastics
 - ◆ High bearing capacity, and flexible adjustment



ST4.2 Self-tapping Screw
ST4.2 Self-drilling (self-tapping) screw, (without holes)

- ◆ Clockwise rotation, the roller height increases, the sash raises
- ◆ Counter-clockwise rotation, the roller height decreases, the sash drops

9-4 TLM200 Series Sliding Door



Hardware Configuration for TLM200 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	TZS118	2	Optional
02	Mid-Connector block	T95-01	2	
03	Lock Point	T95-02	4	
04	Locking Plate	T95-03	4	
05	Spigot	T95-04	8	
06	Front Bearing Piece	T95-05A	4	
07	Back Locking Cover	T95-06	4	
08	Left End	T95-07	2	
09	Right End	T95-08	2	
10	Anti-theft Piece	T95-09	1	
11	Hook End	T95-10	2	
12	Hook End	T95-11	2	
13	Double Roller	ML95	4	Roller Product
14	Anti-strike Block	FK-D	1	
15	Middle End	T95-12	2	Suitable for folio sliding door ①

Optional Handles for reference:

Handle TZS08	Handle TZS20	Handle TZS120	Handle TZS23

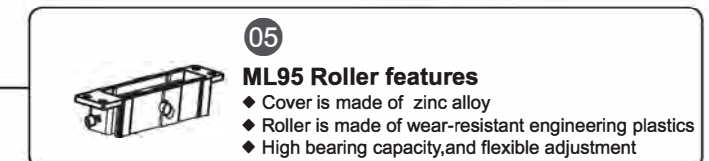
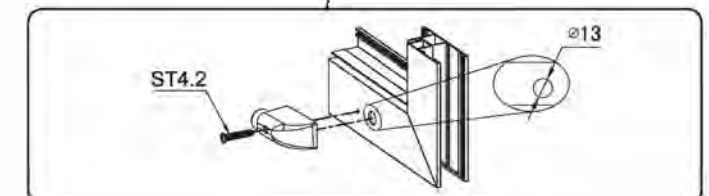
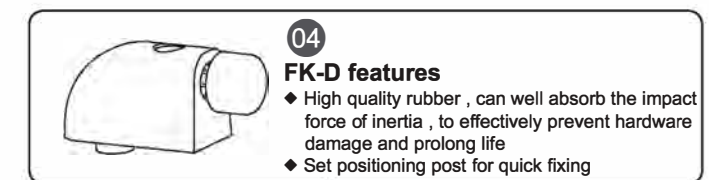
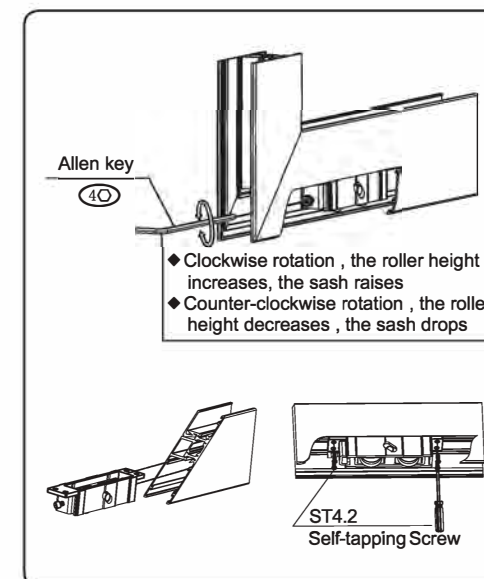
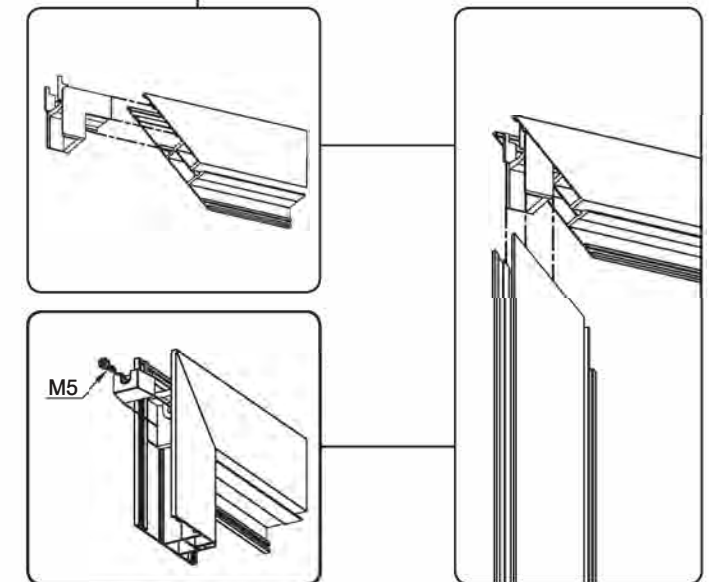
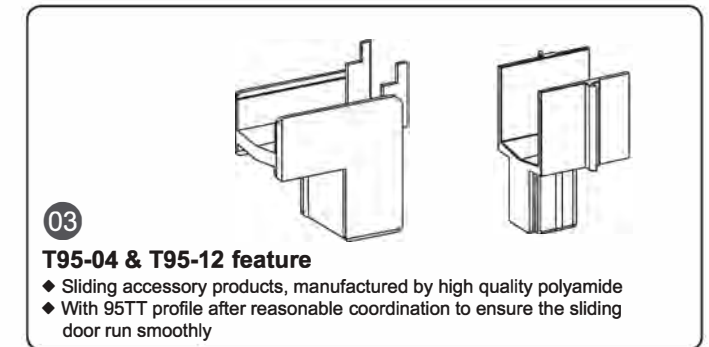
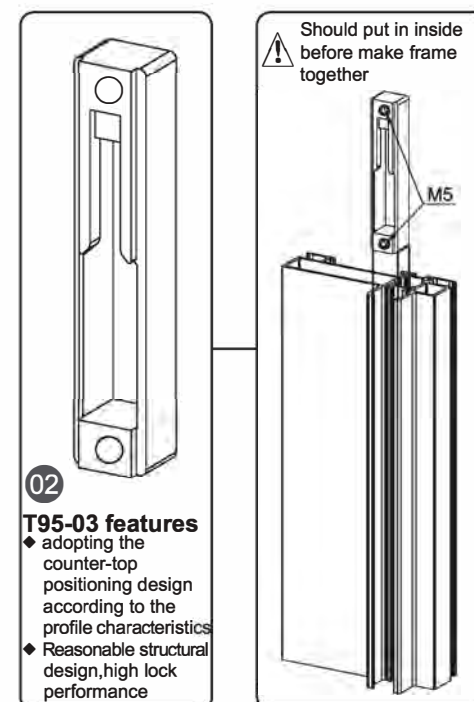
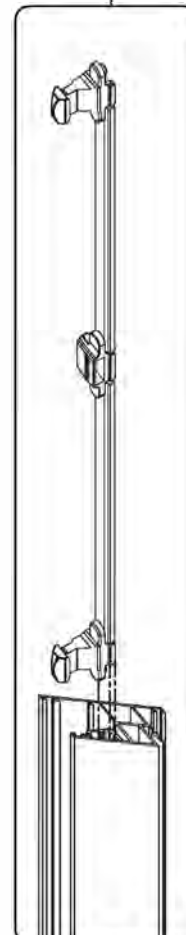
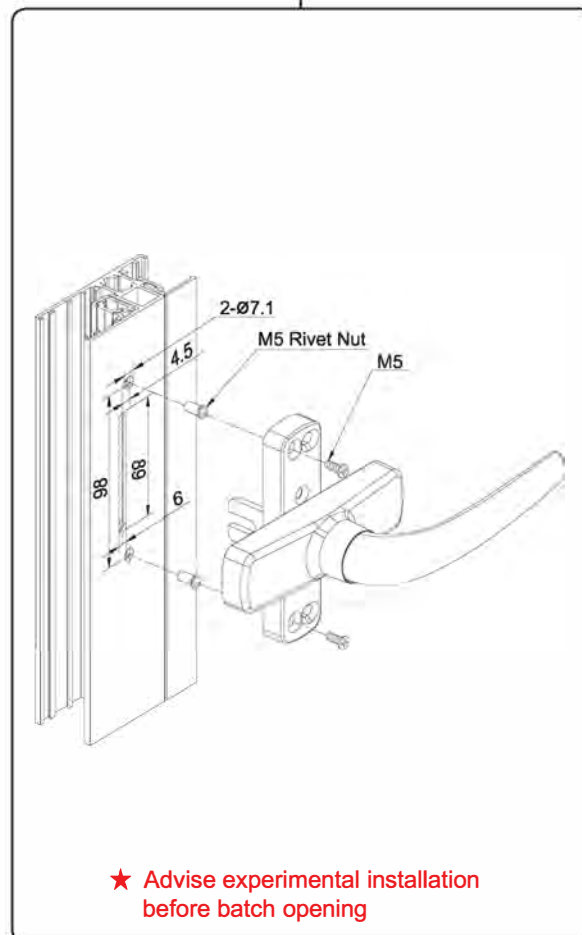
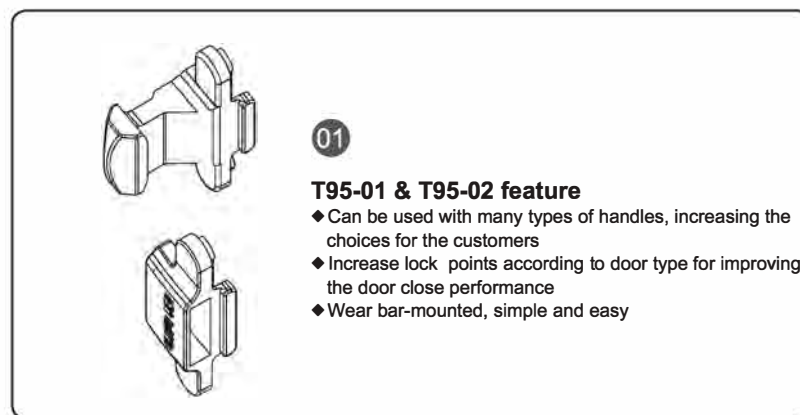
Configuration Introduction

- ① Items in green are optional, suitable for double sash sliding door
- ★ Suitable for 95TT insulating sliding profile
- ★ Select hardware according to the profile, the configuration above only for reference
- ★ The maximum load bearing capacity of Roller is 125Kg/Sash

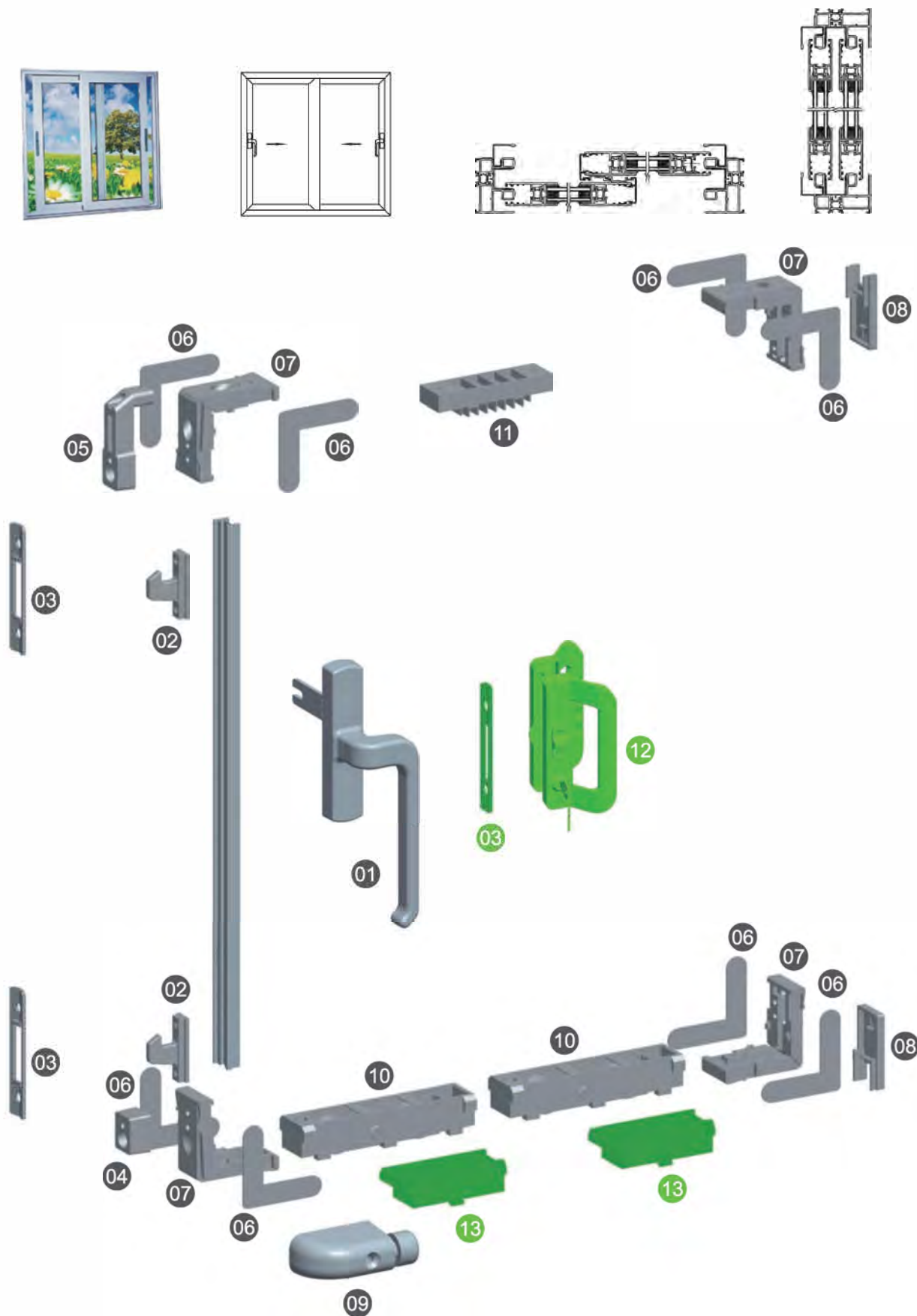
Characteristic description for TLM200 Series Sliding Door Hardware

Feature of door type

- ◆ Handle controls the door's opening and easy to operate
- ◆ Saving space
- ◆ Push-pull accessories to ensure the door's sealing performance
- ◆ Large range hardware selection can meet the different need of customers
- ◆ System operation is smooth, and force saving
- ◆ High bearing capacity, suitable for larger size door type



9-5 TLM300 Series Sliding Door



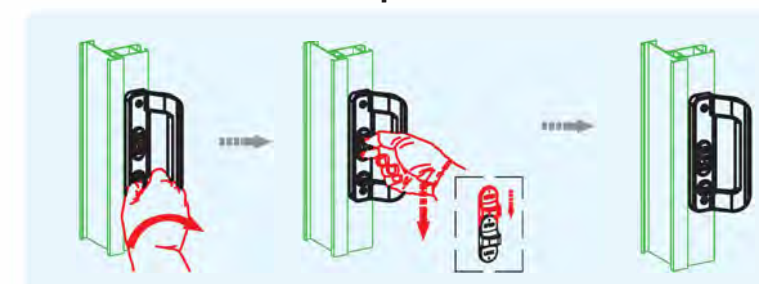
Hardware Configuration for TLM300 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	TZS23	2	Optional
02	Lock Hook	SG	4	
03	Locking Plate	TLK15A	4	
04	Bottom Anti-striker Block	FZKA	2	
05	Upper Anti-striker Block	FZK	2	
06	Vice-spigot	FCJ-A	16	
07	Spigot	CJ10	8	
08	Locking Cover	KTA	4	
09	Anti-strike Block	FK-D	1	
10	Double Roller	MLG70	4	Roller Product, Optional
11	Anti-theft piece	FDK	1	
12	Sliding Lock	DLS10HS	2	Optional ①
13	Single Roller	CLG70	4	Optional ①

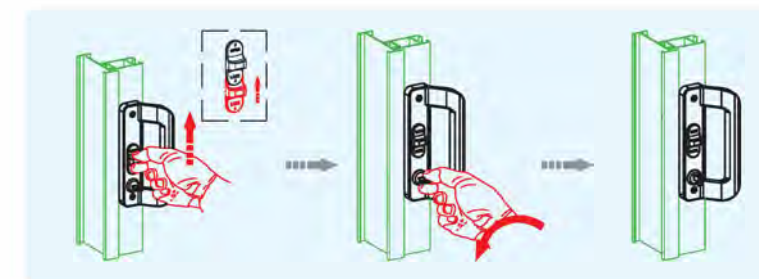
Optional Handles for reference:

Handle TZS08	Handle TZS118	Handle TZS20	Handle TZS120
			

DLS10HS Open illustration



DLS10HS Close illustration



Configuration Introduction

- ① Items in green are optional
- ★ Suitable for 70, 72 and 80 series insulating sliding profile
- ★ Select hardware according to the profile, the configuration above only for reference
- ★ The maximum load bearing capacity of Roller is 80Kg/Sash



Prohibit closing door/window when the sliding lock is on close state

Characteristic description for TLM300 Series Sliding Door Hardware

Feature door type

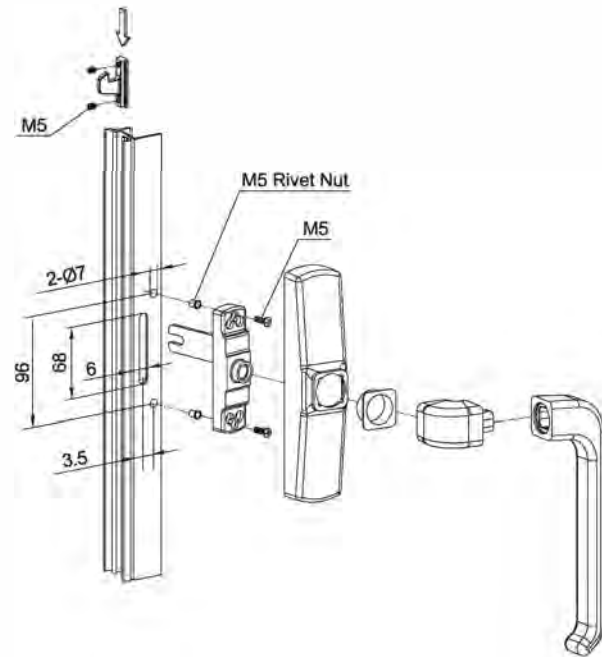
- ◆ Handle controls the door's opening and easy to operate
- ◆ Saving space
- ◆ Sliding accessories to ensure the door's sealing performance
- ◆ Large range hardware selection can meet the different need of customers
- ◆ System operation is smooth, and force saving
- ◆ High bearing capacity, suitable for larger size door type



01

SG feature

- ◆ Increase lock points according to door type for improving the door close performance
- ◆ Wear bar-mounted, counter-top fixed



★ Advise experimental installation before batch opening



02

FZK & FZKA feature

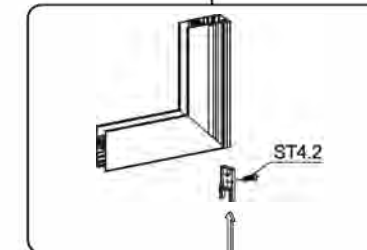
- ◆ Ensure the gap of profiles, make lock point match with locking plate perfectly
- ◆ Prevent hardware and profile from damage



03

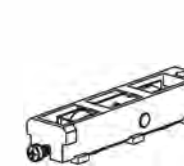
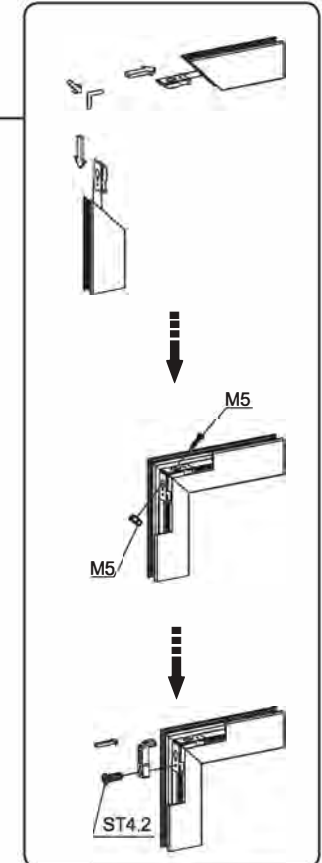
KTA feature

- ◆ Adopt high quality polyamide
- ◆ To ensure the sliding door run smoothly



04
FCJ-A & CJ10 feature

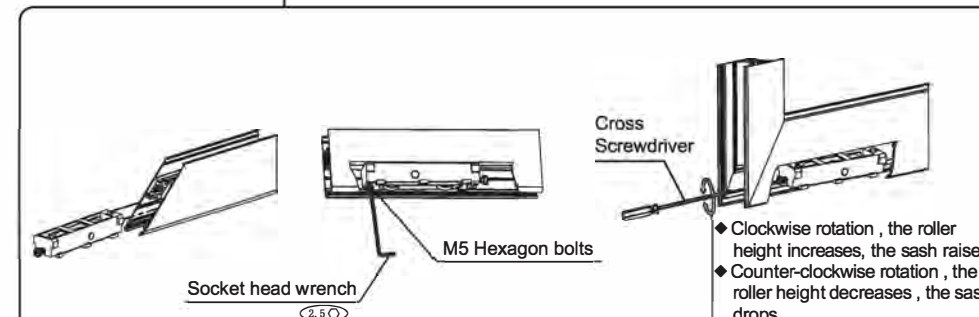
- ◆ The spigot embedded steel column to ensure the door splice intensity
- ◆ The spigot cooperate with vice-spigot make the door surface flatness well



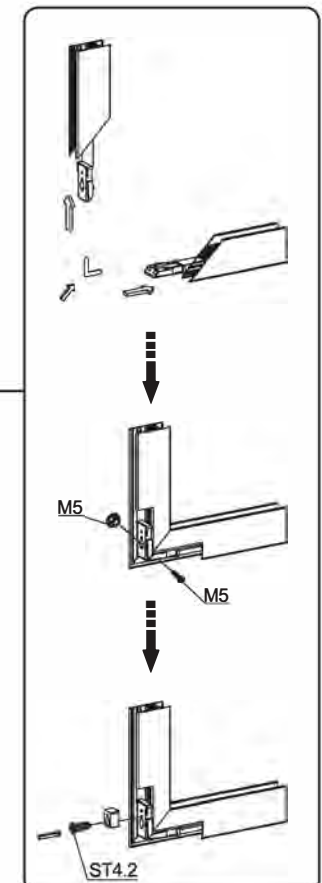
05

MLG70 Roller feature

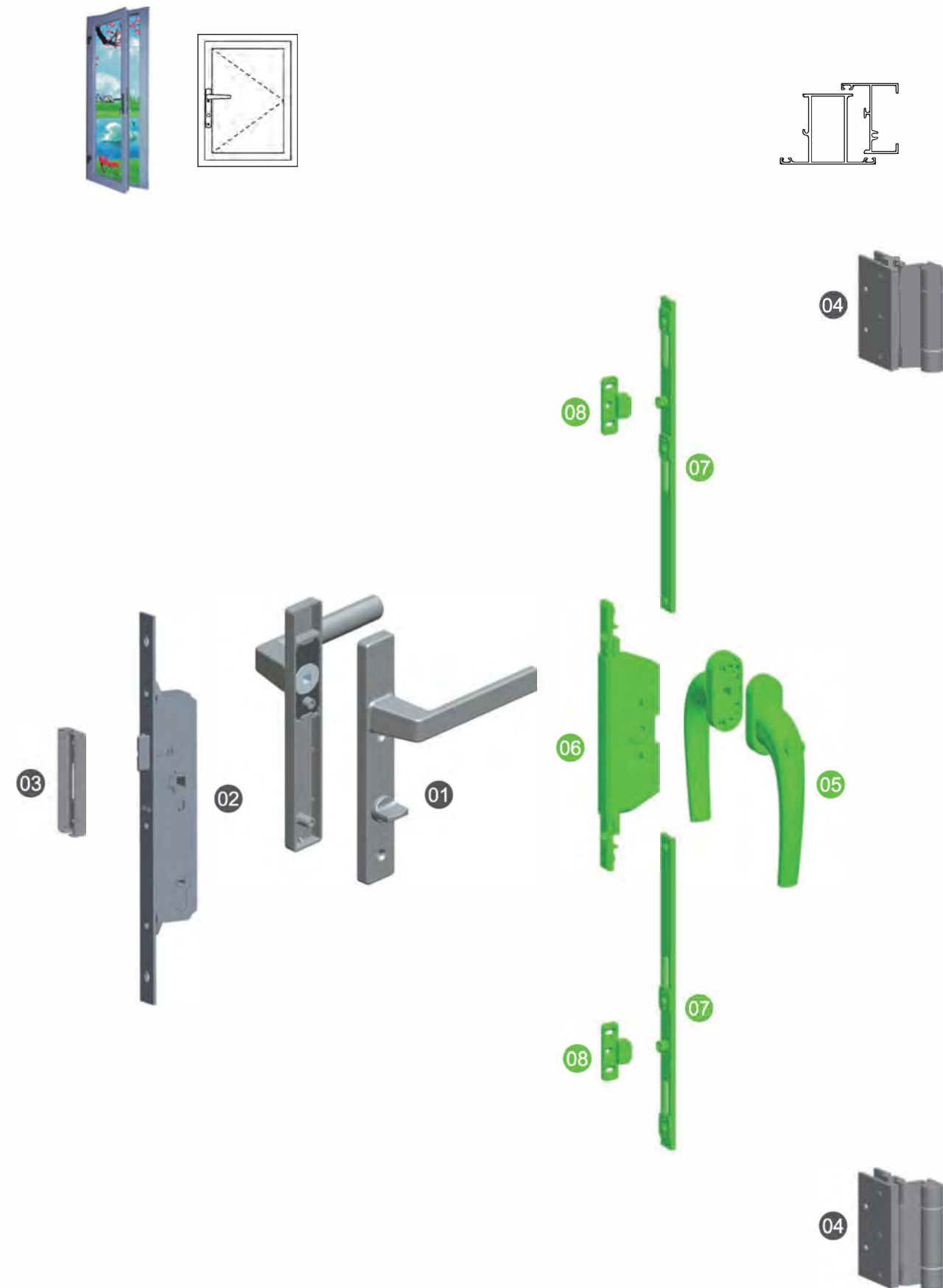
- ◆ Match with 70 insulating profile perfectly
- ◆ Easy installation
- ◆ The outer cover of roller is high strength engineering plastic



- ◆ Clockwise rotation, the roller height increases, the sash raises
- ◆ Counter-clockwise rotation, the roller height decreases, the sash drops



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



Hardware Configuration for PM100 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	MZS120/T	1	Optional ①
02	Door Lock	JMS26A/II	1	Optional
03	Cover Plate	KMB100B	1	
04	Hinge	WK-AC	2	Select according to profile ②
05	Handle	MZS06S	1	Cylinder end should be installed indoor
06	Transmitter	KMS20/II	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

Optional handles for reference

Handle MZS108/T	Handle MZS1208/T	Handle MZS122/T	Handle MZS1222/T	Handle MZS1220/T

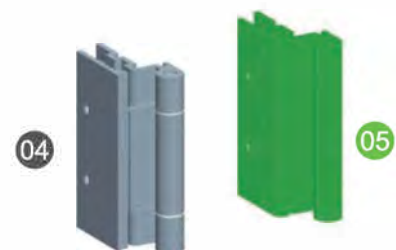
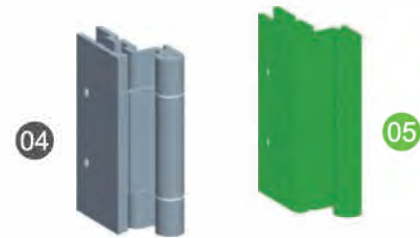
Optional hinges for reference

Pivot Hinge WK-AB	Pivot Hinge WK-AE	Pivot Hinge WK-AG	Pivot Hinge T-WK-AK	Pivot Hinge T-WK-AM

Configuration Introduction

- ① Customer can select other handles referring to page 222, square steel length=sash thickness+(33-40), screw length (M5) L=sash thickness+15
- ② The Load bearing capacity of the pivot hinge refers to pivot hinge series on page 237
- ★ Applicable to ordinary 50,55 side-hung door profile. items in green color are optional

10-2 PM110 Series Single sash door with ordinary profile



Hardware Configuration for PM110 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	MZS420A	1	Optional ①
02	Door lock	LMS22	1	Optional
03	Cover Plate	KMB100B	1	
04	Hinge	WK-AC	2	Select according to profile ②
05	hinge	WK-AB	2	Optional ②
06	Door lock	LMS28	1	Optional

Optional handles for reference

Handle MZS408	Handle MZS422A	Handle MZS508	Handle MZS520A	Handle MZS522A

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

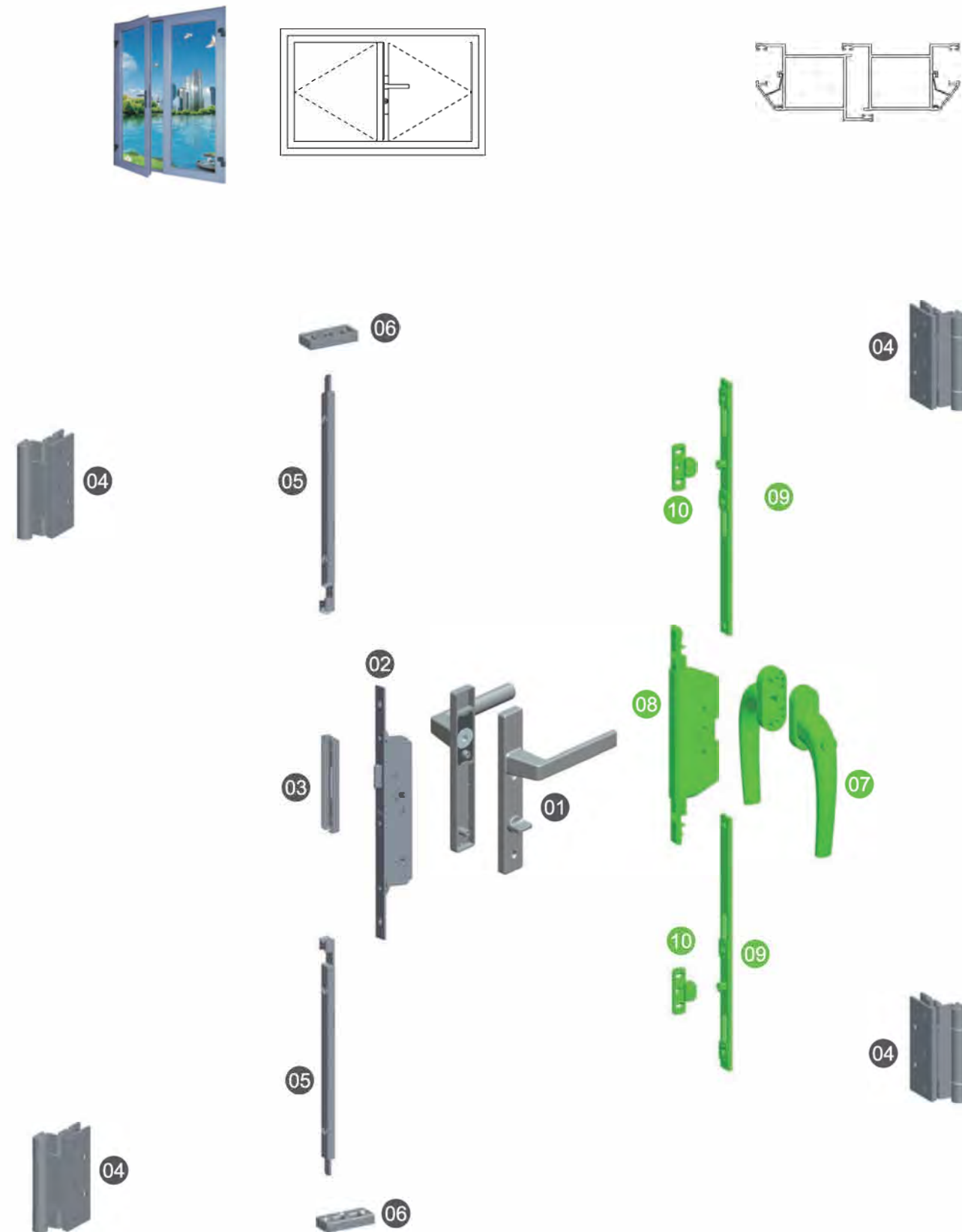
Configuration Introduction

① Customer can select other handles referring to page 222, square steel length=sash thickness+(33-40), screw length (M5) L=sash thickness+15

② The Load bearing capacity of the pivot hinge refers to pivot hinge series on page 237

★ Applicable to ordinary 50,55 side-hung door profile. items in green color are optional

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



Hardware Configuration for PM200 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	MZS120/T	1	optional ①
02	Door lock	JMS26A/II	1	optional
03	Cover Plate	KMB100B	1	
04	Hinge	WK-AC	4	Select according to profile ②
05	Socket	SCX220A	2	
06	Lock plate	SK30	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

Optional handles for reference

Handle MZS108/T	Handle MZS1208/T	Handle MZS122/T	Handle MZS1222/T	Handle MZS1220/T

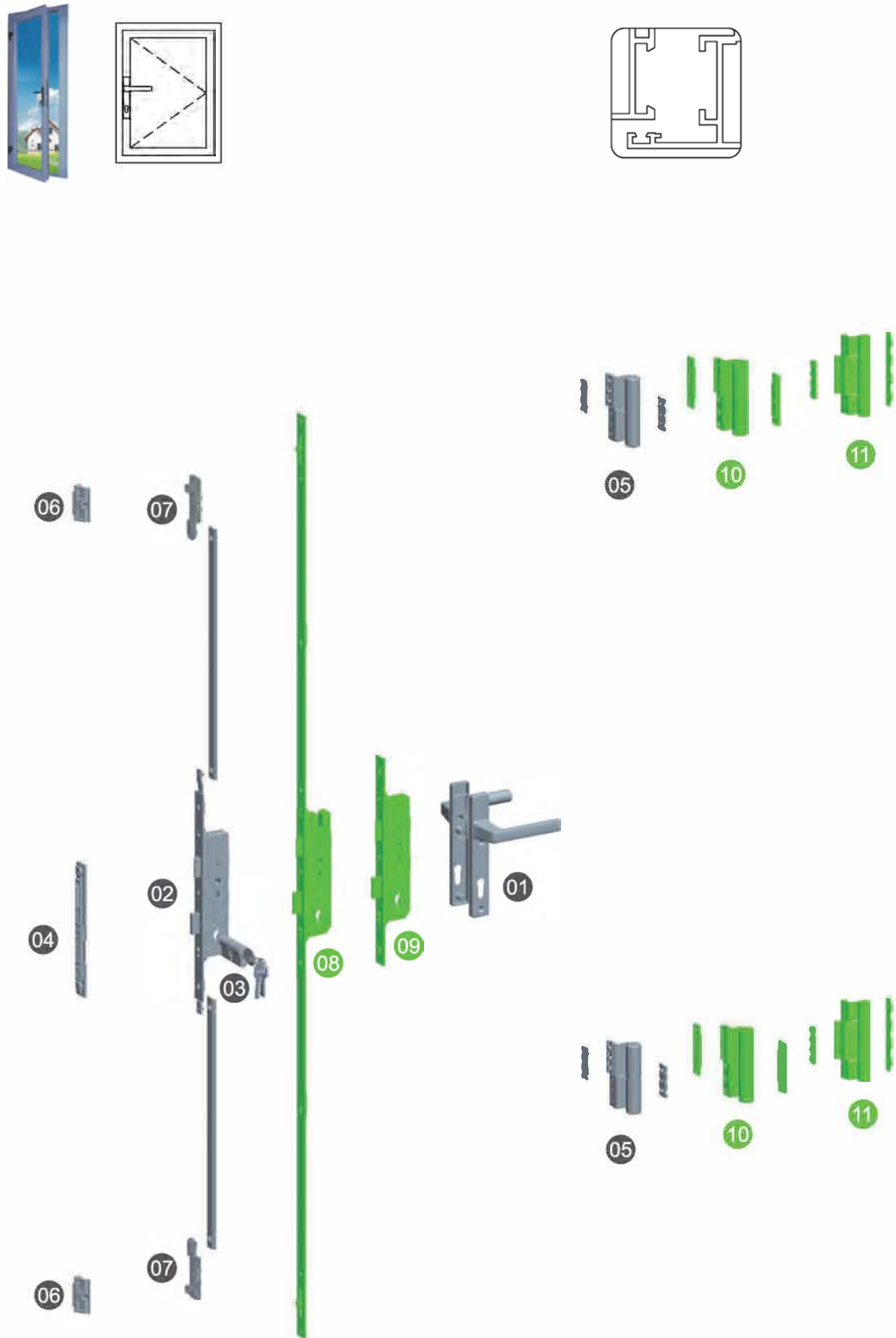
optional hinges for reference

Pivot Hinge WK-AB	Pivot Hinge WK-AE	Pivot Hinge WK-AG	Pivot Hinge T-WK-AK	Pivot Hinge T-WK-AM

Configuration Introduction

- ① Customer can select other handles referring to page 222, square steel length=sash thickness+(33-40), screw length (M5) L=sash thickness+15
- ② The Load bearing capacity of the pivot hinge refers to pivot hinge series on page 237
- ★ Applicable to ordinary 50,55 side-hung door profile. items in green color are optional

10-4 PM300 Series Single sash door with c-groove profile



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	2	Depend on profile ③
06	Locking Plate	T-MSK25	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	2	Depend on profile
11	Pivot Hinge	MJ17	2	Depend on profile

Optional handles for reference

Handle MZS08	Handle MZS22	Handle MZS620	Handle MZS818	Handle MZS820

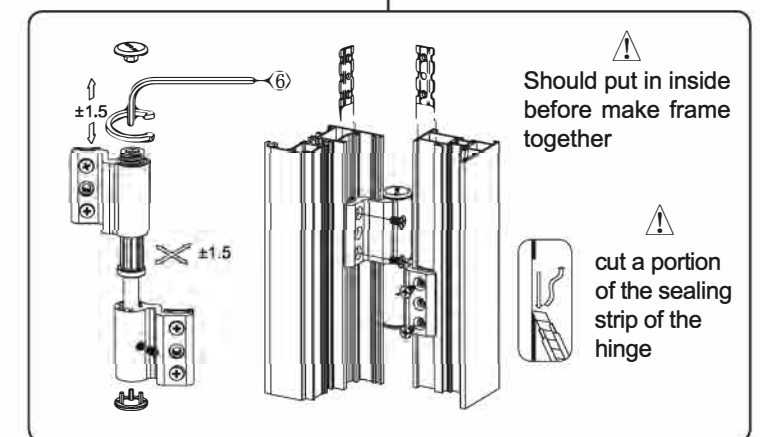
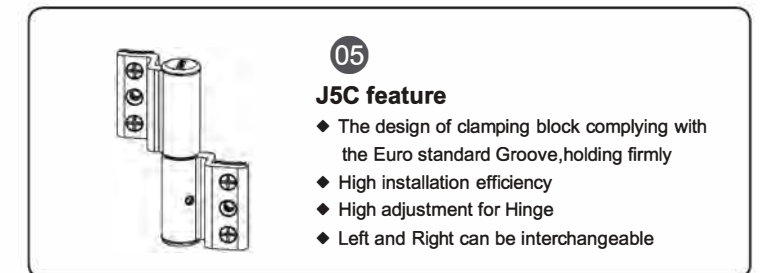
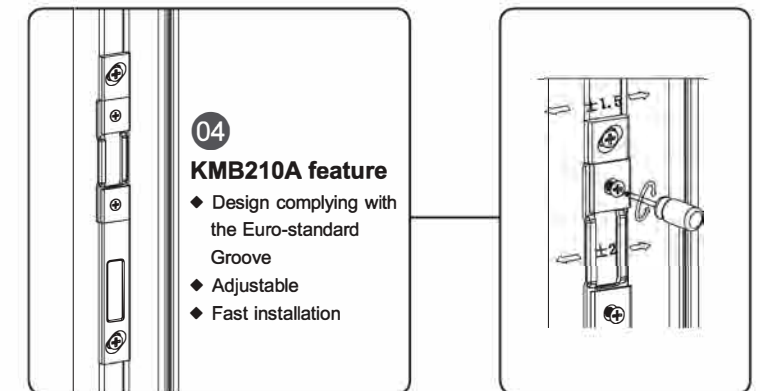
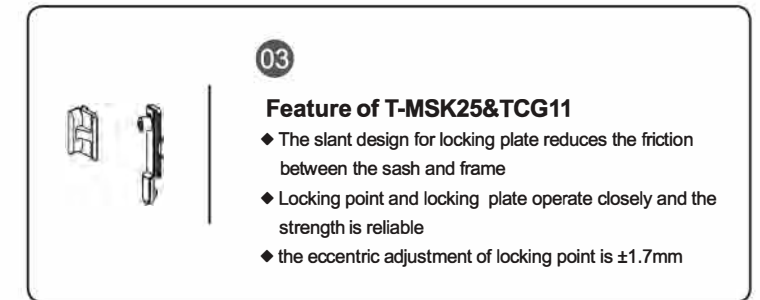
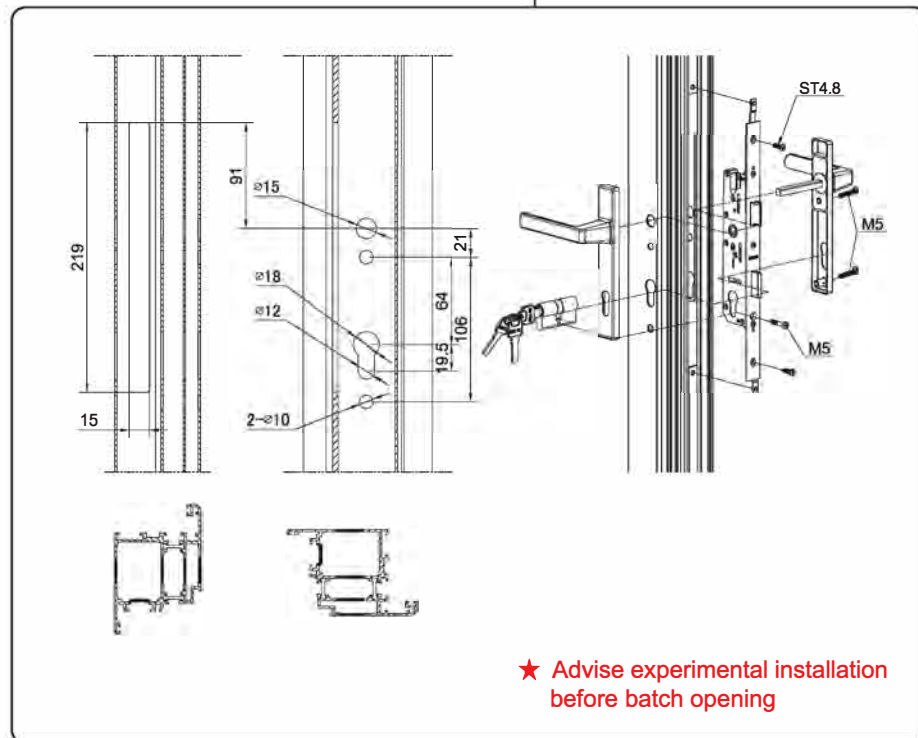
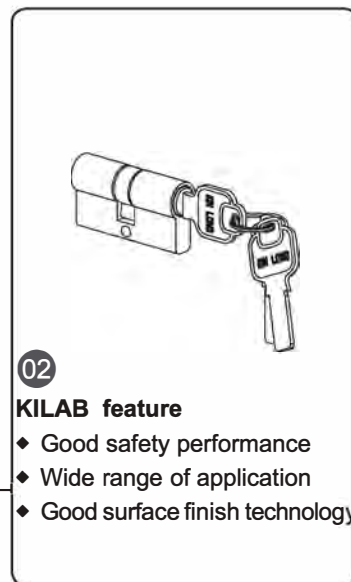
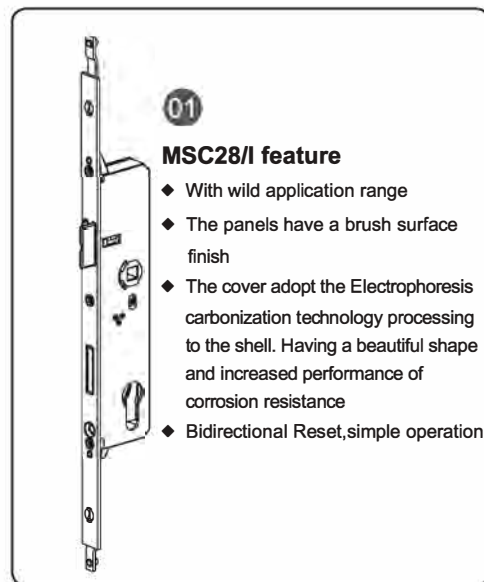
Configuration Introduction

- ① Customers can select other handles referring to page 222. Spindle Length=Sash Thickness σ +(33-40),
Screw length (M5) L= Sash thickness σ +15
- ② Cylinder refer to cylinder series on page of 216
- ③ The load bearing capacity of the pivot hinge refers to page 237
- ★ Items in green are optional

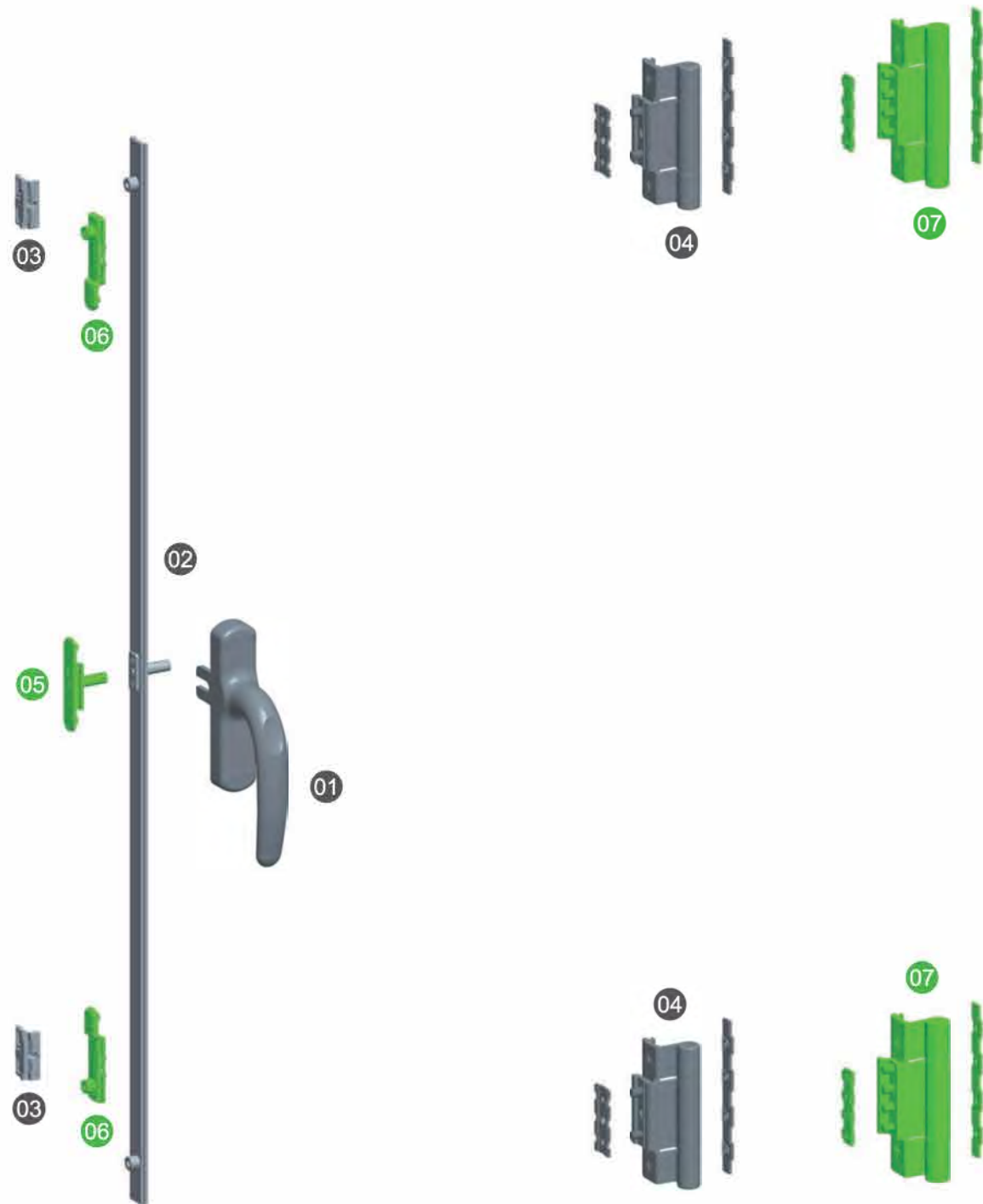
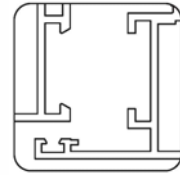
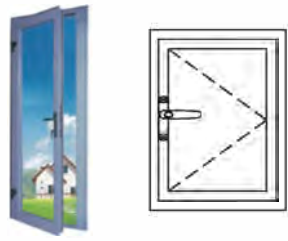
Characteristic description for PM300 Series Single Sash Door with C-Groove

Feature of door type

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



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 ①
02	Transmission rod	TCG01-L	1	Select according to door dimension
03	Locking plate	T-MSK25	2	
04	Hinge	T-MJ07	2	Optional ②
05	Main transmission rod	TCD55	1	Optional
06	Side transmission rod	TCG11	2	Optional
07	Hinge	MJ17	2	Select according to door dimension

Optional handle for reference

Handle TZS020



Configuration Introduction

① the Load bearing capacity of the pivot hinge refers to pivot hinge series on page 237

★ 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 Left & right	2	Optional ③
07	Transmission rod	TCG11	2	
08	Hinge	MJ26 Left & right	2	Select according to profile

Optional handles for reference

Handle MZS06	Handle MZS06H	Handle MZS07H	Handle TZS118	Handle TZS120

Configuration Introduction

- ① Customer can select other handles like MZS06 and MZS07 series referring to page 235, square steel length=sash thickness σ +(33-40), screw length (M5) L=sash thickness σ +15
- ② Cylinder refer to cylinder series on page of 216
- ③ The load bearing capacity of the pivot hinge refers to page 237
- ★ Items in green are optional

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 drive
- ◆ 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 heaven and earth bolt can achieve the function of multi-point locking, increasing the safety
- ◆ Add cylinder structure to achieve self-locking 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

Hole-drilling drawing of the transmitter

Hole-drilling drawing of the handle and cylinder cover

Installation Sketch of the handle, transmitter and cylinder cover

★ Advise experimental installation before batch opening



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

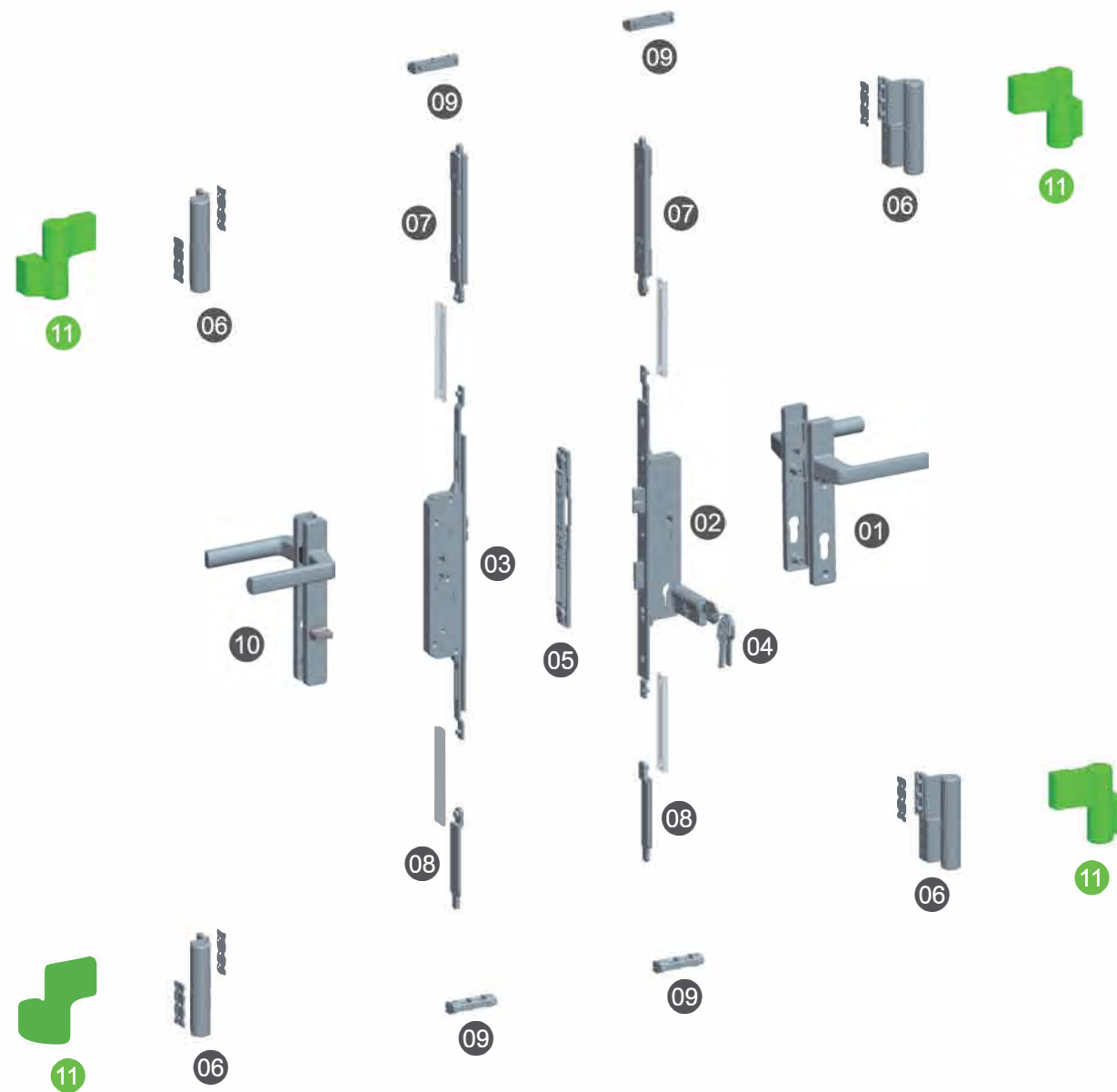
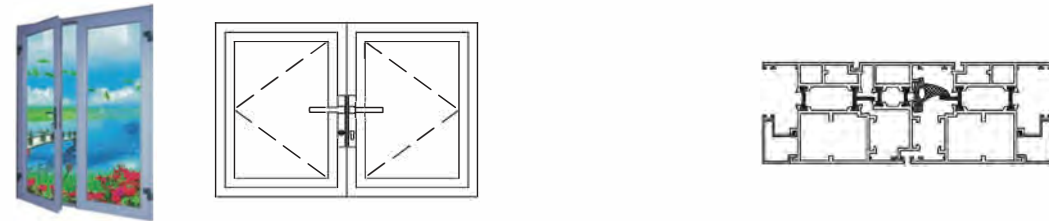
- ◆ The back-mounted clamping block is designed according to European standard groove
- ◆ High installation efficiency
- ◆ the hinge is two-dimensional adjustable
- ◆ right and left is changeable
- ◆ The hinge bearing capacity is 90kg

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 0.5</p>	<p>Frame axis sleeve rotates clockwise 0.5</p>	<p>Sash axis sleeve rotates anti clockwise 0.5</p>
<p>Original place</p>	<p>Original place</p>	
<p>Frame axis sleeve rotates clockwise 0.5</p>	<p>Sash axis sleeve rotates clockwise 0.5</p>	

Hinge Axis

10-7 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	4	Depend on profile ③
07	Transmission Bolt	SCQ10	2	
08	Socket	CDG10B	2	
09	Locking Plate	SK20	4	
10	Handle	MZS120/T	1	Optional
11	Pivot Hinge(Left & Right)	LHD63	4	Optional

Optional handles for reference

Handle MZS08	Handle MZS22	Handle MZS620	Handle MZS818	Handle MZS820

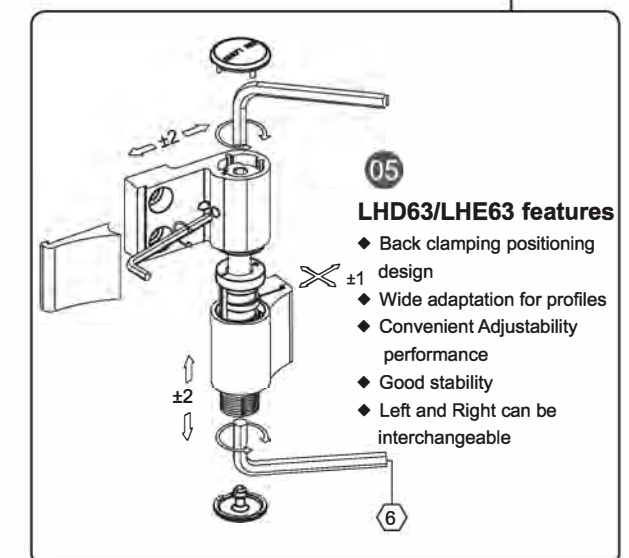
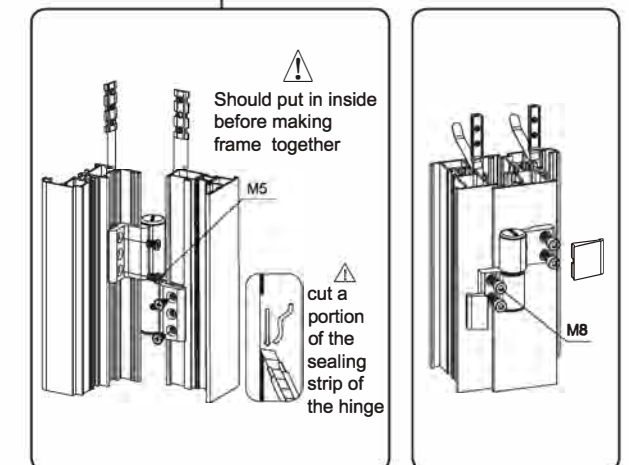
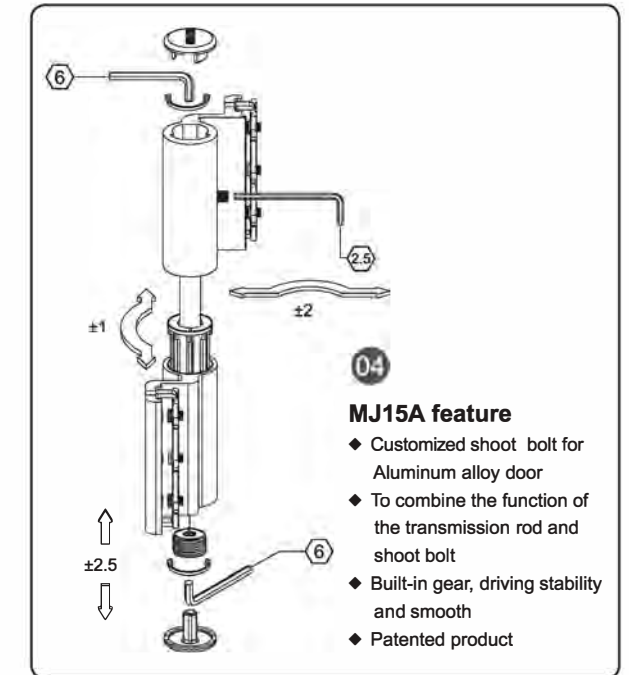
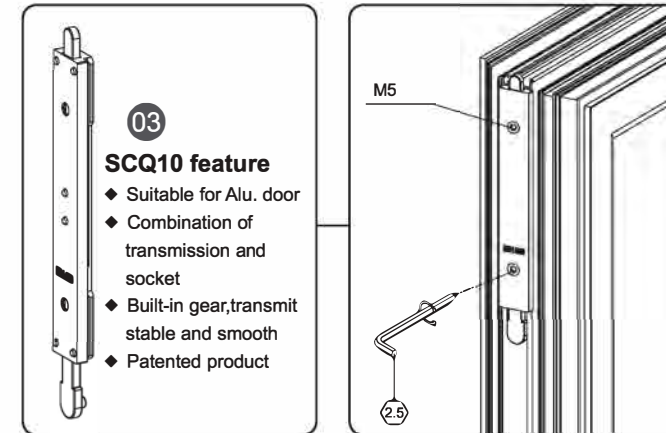
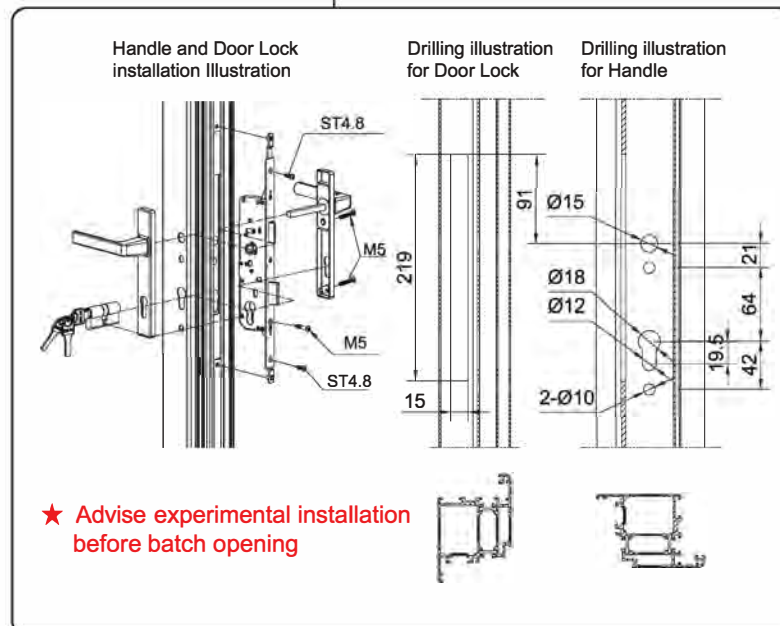
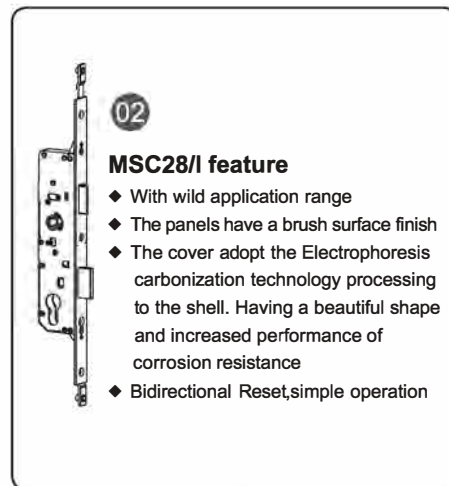
Configuration Introduction

- ① Customers can select other handles referring to page 222. Spindle Length=Sash Thickness σ +(33-40),
Screw length (M5) L= Sash thickness σ +15
- ② Cylinder refer to cylinder series on page of 216
- ③ The load bearing capacity of the pivot hinge refers to pivot hinge series on page 237
- ★ Items in green are optional

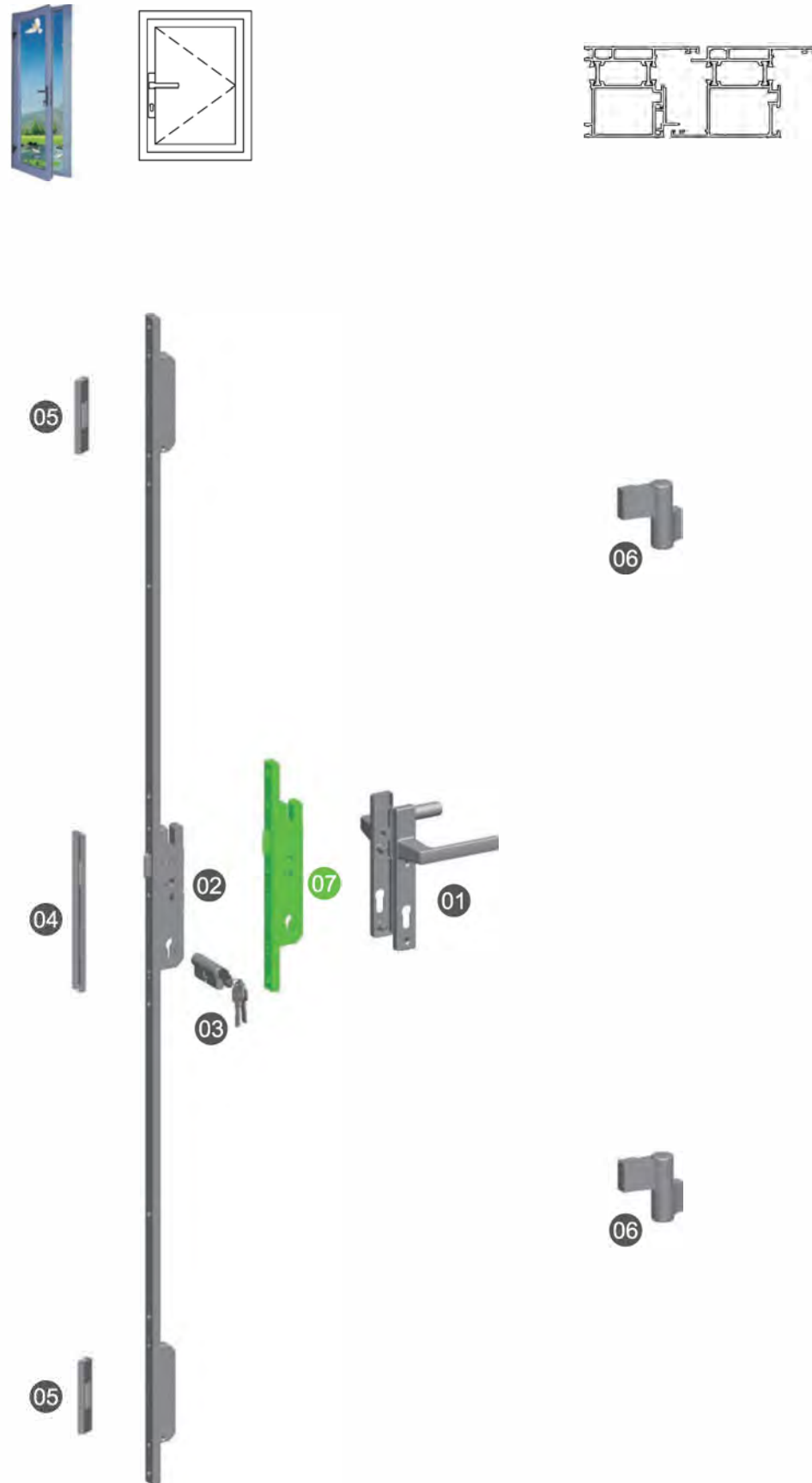
Characteristic description of PM400 Series Double Sash Swing Door hardware

Feature of door type

- ◆ Multi-point lock, high safety performance
- ◆ Systemic design, good anti-theft performance
- ◆ Hinges of the modular design, easy to screw the accurate positioning, 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



10-8 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	2	Depend on profile ③
07	Door Lock	MSA19/II	1	Optional ④

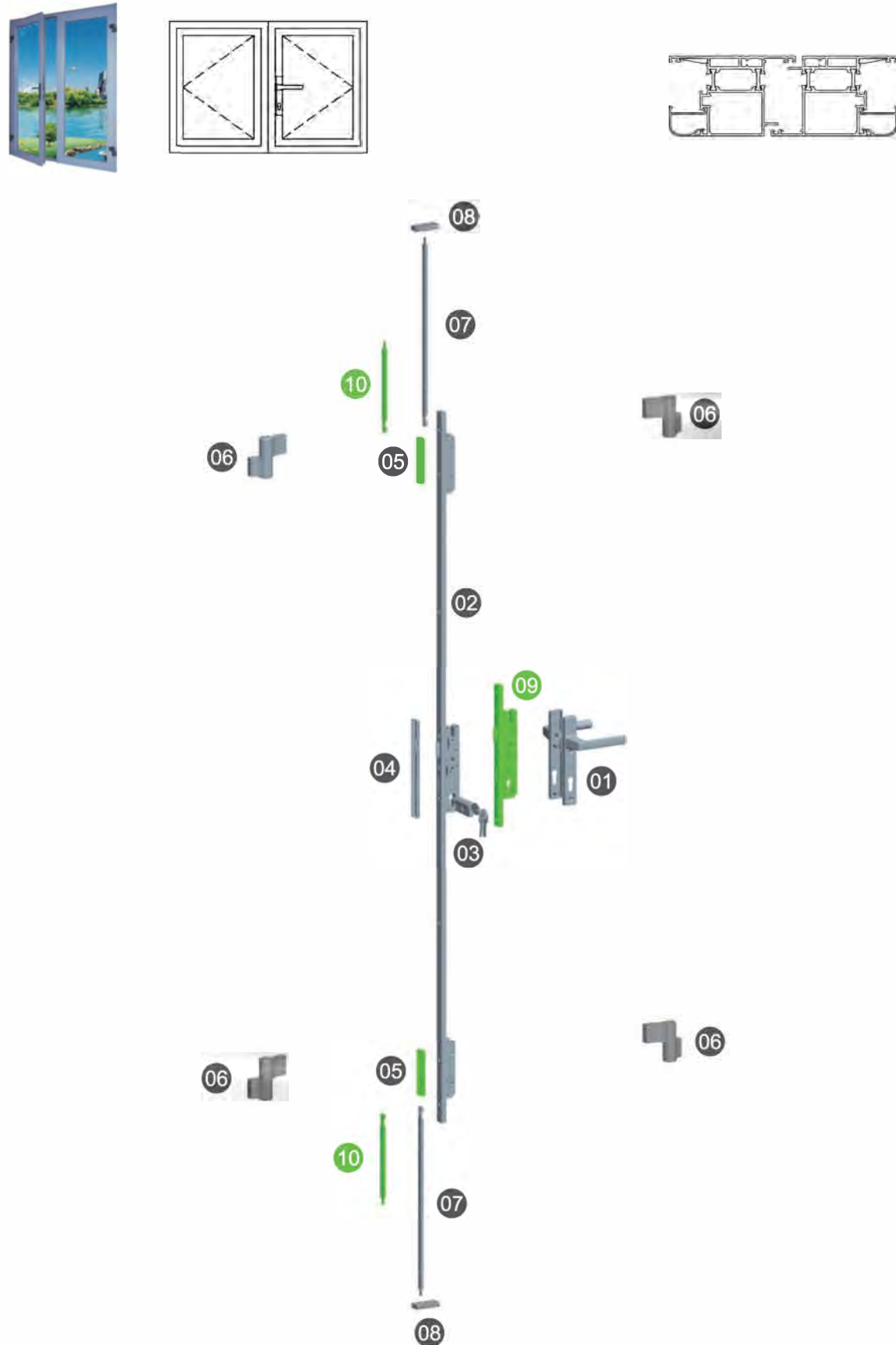
Optional handles for reference:

Handle MZS08	Handle MZS22	Handle MZS620	Handle MZS818	Handle MZS820

Configuration Introduction

- ① Customers can select other handles referring to page 222. Spindle Length=Sash Thickness σ +(33-40),
Screw length (M5) L= Sash thickness σ +15
- ② Cylinder refer to cylinder series on page of 216
- ③ The load bearing capacity of the pivot hinge refers to pivot hinge series on page 237
- ★ Items in green are optional

10-9 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	4	Depend on Profile ③
07	Socket	SCX500A	2	
08	Locking Plate	SK30	2	
09	Door Lock	MSA19/II	1	Optional ④
10	Socket	SCX220A	2	Optional ④

Optional Handles for Reference:

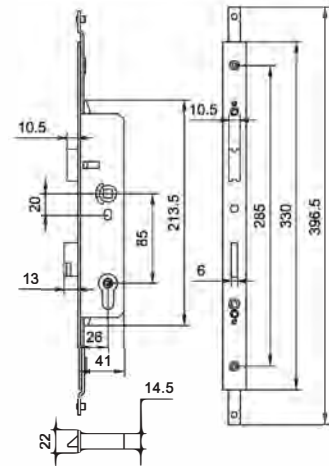
Handle MZS08	Handle MZS22	Handle MZS620	Handle MZS818	Handle MZS820

Configuration Introduction

- ① Customers can select the handle according to this catalogue page 222. Spindle length L=sash thickness δ +(33~40), Screw length (M5) L=sash thickness δ +15.
- ② Cylinder refers to page 216 cylinder series.
- ③ The load bearing capacity of the pivot hinge refers to page 237 pivot hinge series.
- ★ Items in green are Optional.

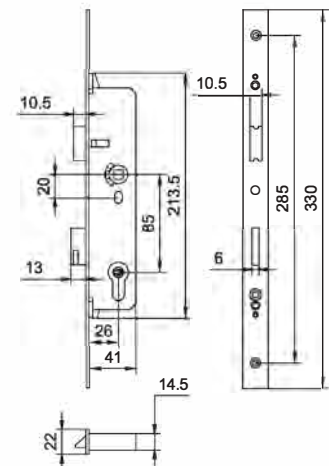
Door Lock Series

JMSC26/I



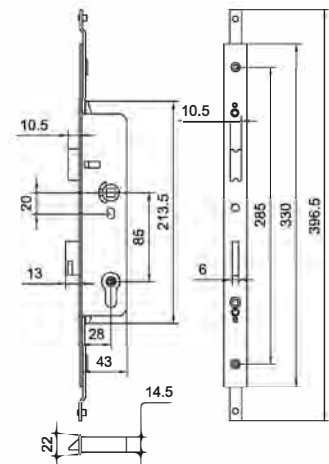
◆ Suitable for handle MZS108/T(H), MZS120/T(H), MZS122/T(H) etc.

JMSC26/II



◆ Suitable for handle MZS108/T(H), MZS120/T(H), MZS122/T(H) etc.

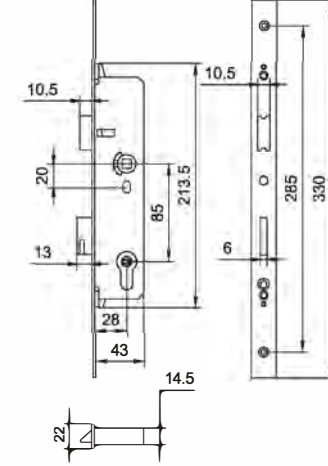
JMSC28/I



◆ Suitable for handle MZS108/T(H), MZS120/T(H), MZS122/T(H) etc.

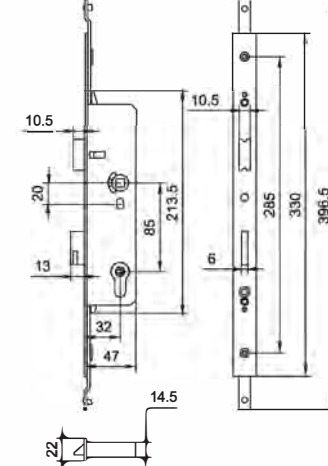
Door Lock Series

JMSC28/II



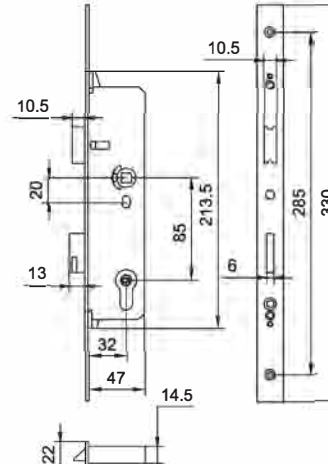
◆ Suitable for handle MZS108/T(H), MZS120/T(H), MZS122/T(H) etc.

JMSC32/I




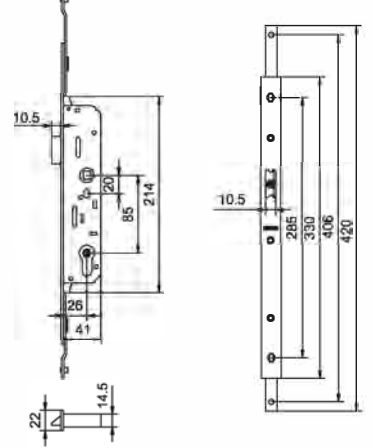

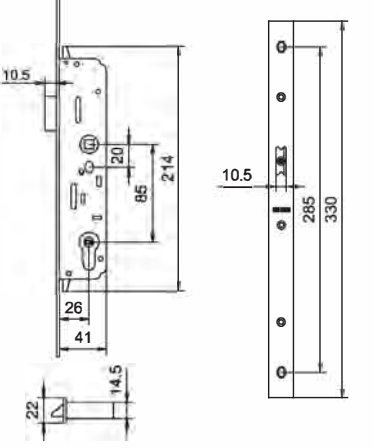

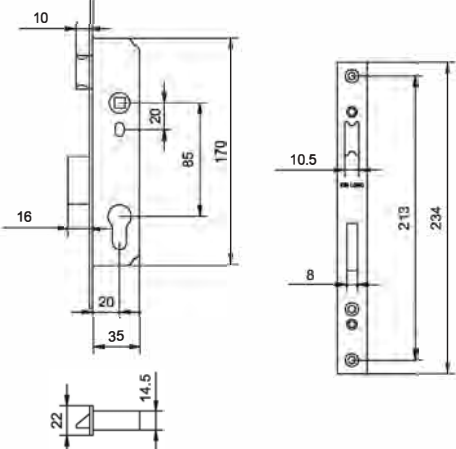
◆ Suitable for handle MZS108/T(H), MZS120/T(H), MZS122/T(H) etc.

JMSC32/II


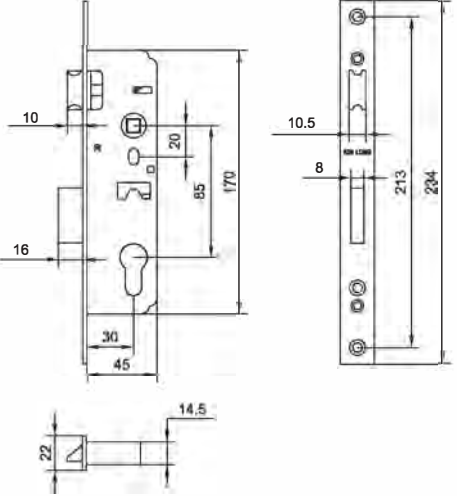

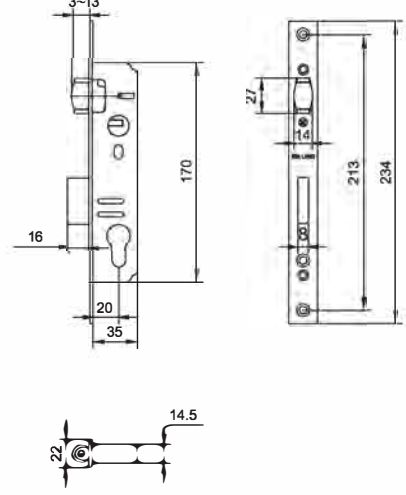


◆ Suitable for handle MZS108/T(H), MZS120/T(H), MZS122/T(H) etc.

Door Lock Series

	<p>JMS26A/I</p>  <ul style="list-style-type: none"> ◆ Suitable for handle MZS108/T(H), MZS120/T(H), MZS122/T(H) etc. ◆ Suitable for KMB100B, KMB110A, KMB120A frame cover plate
	<p>JMS26A/II</p>  <ul style="list-style-type: none"> ◆ Suitable for handle MZS108/T(H), MZS120/T(H), MZS122/T(H) etc. ◆ Suitable for KMB100B, KMB110A, KMB120A frame cover plate
	<p>EMS20A</p>  <ul style="list-style-type: none"> ◆ Suitable for handle MZS208, MZS220, MZS222 etc. ◆ Suitable for EMS-13A, KMB70, T-KMB165 frame cover plate

Door Lock Series

	<p>EMS30</p>  <ul style="list-style-type: none"> ◆ Suitable for handle MZS208, MZS220, MZS222 etc. ◆ Suitable for EMS-13A, KMB70, T-KMB165 frame cover plate
	<p>MPS20</p>  <ul style="list-style-type: none"> ◆ Exposed height of the roller can be adjustable. ◆ Suitable for handle MLS01, MLS02 etc. ◆ Suitable for PMB180 frame cover plate

Door Lock Series

Door Lock Series

MSA19/I

◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.

Patented Product

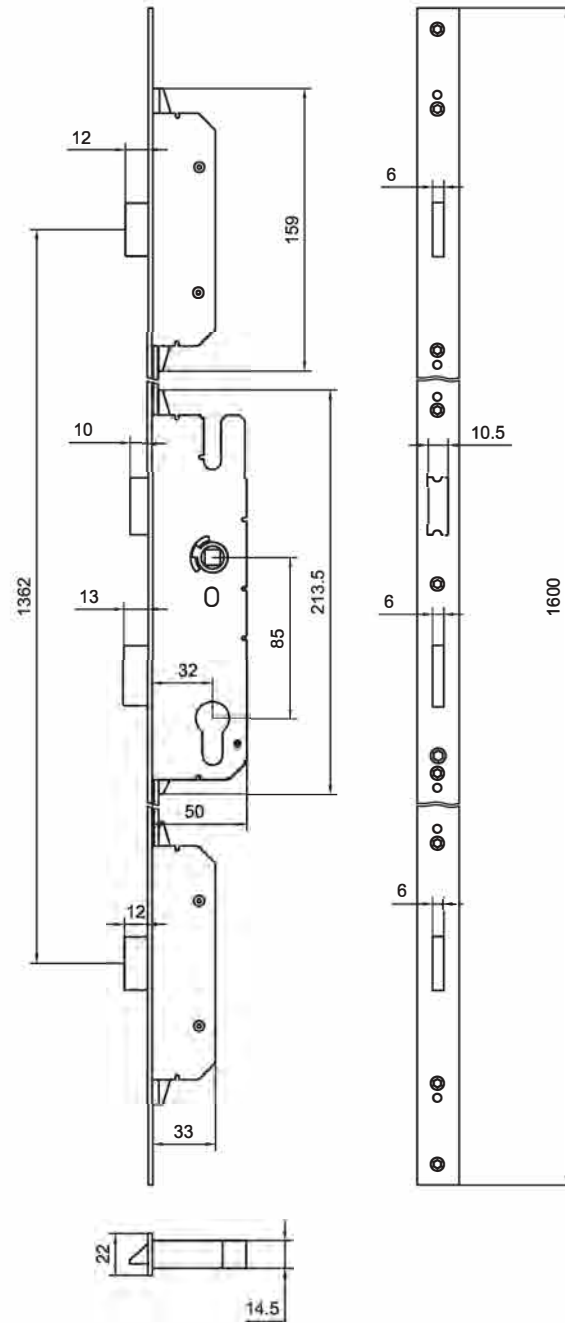
MSA28/I

◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.

Patented Product

Door Lock Series

MSA32/I

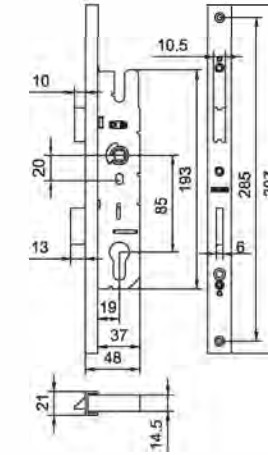


◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.

Patented Product

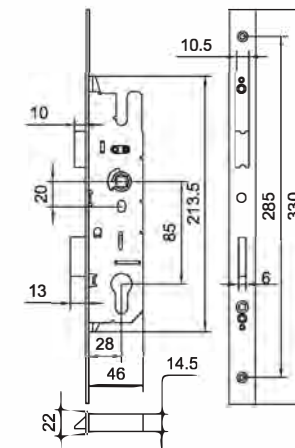
Door Lock Series

MSA19/II



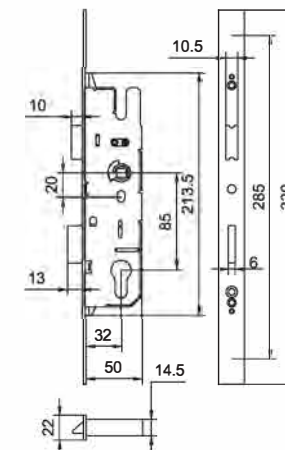
◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.

MSA28/II



◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.


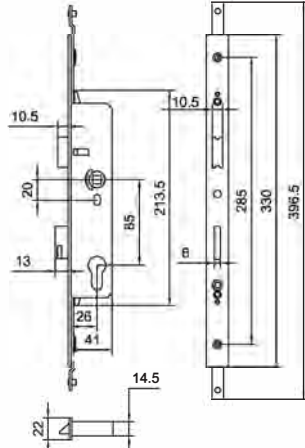

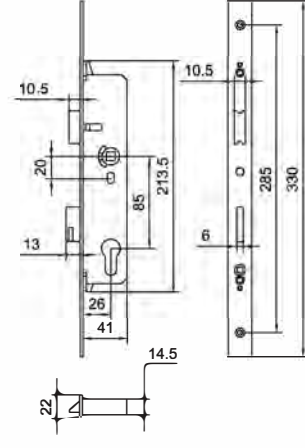

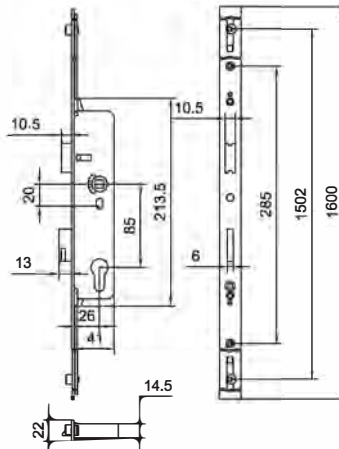
MSA32/II


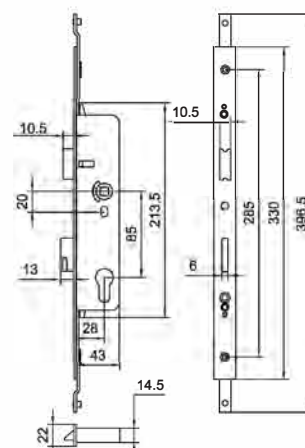

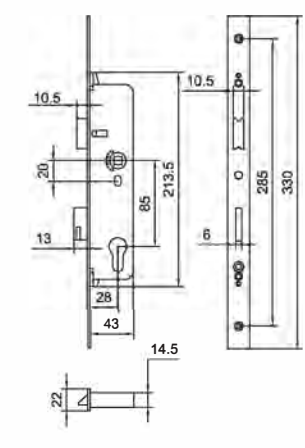

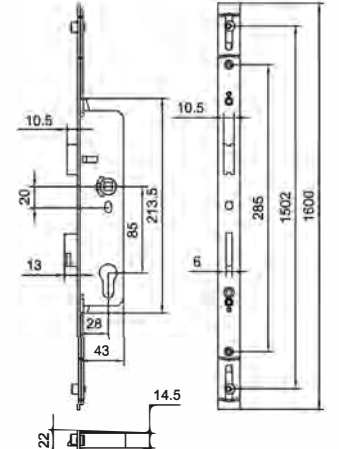


◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.


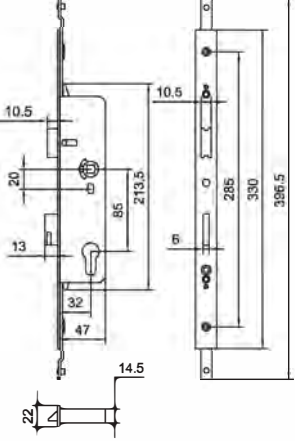

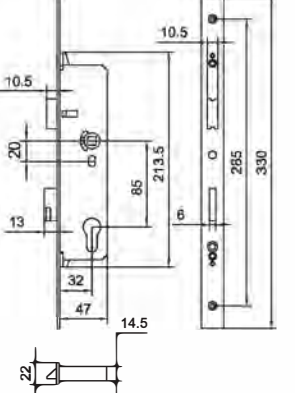

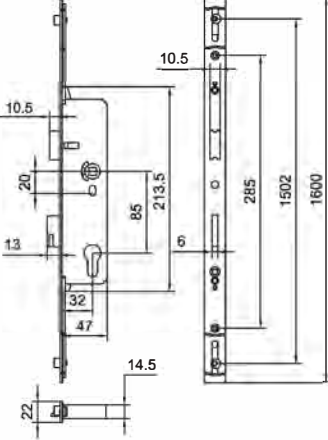
Door Lock Series

Door Lock Series

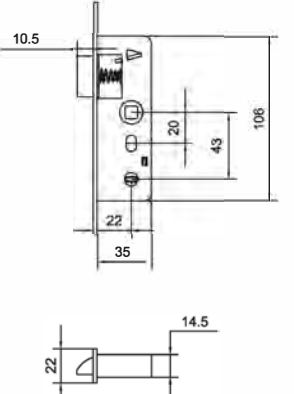

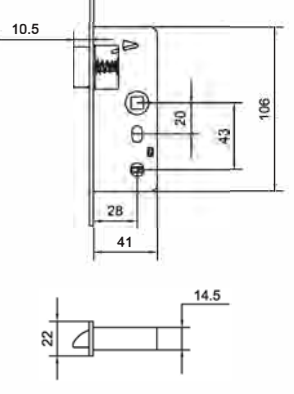

	<p>MSC26/I</p>  <p>◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.</p>
	<p>MSC26/II</p>  <p>◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.</p>
	<p>MSC26/III</p>  <p>◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.</p>

	<p>MSC28/I</p>  <p>◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.</p>
	<p>MSC28/II</p>  <p>◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.</p>
	<p>MSC28/III</p>  <p>◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.</p>


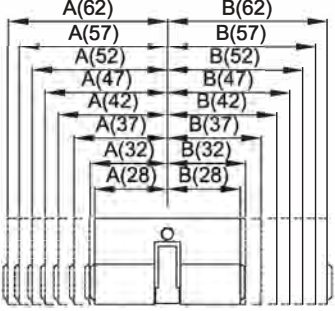

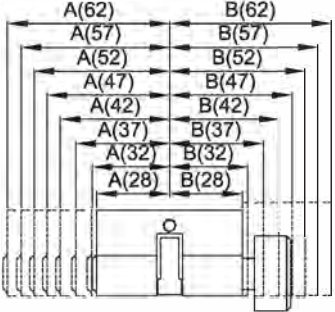

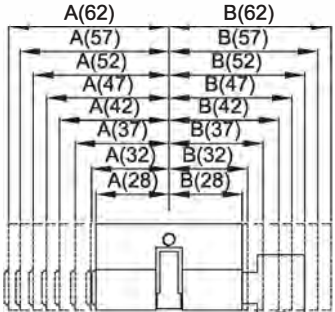
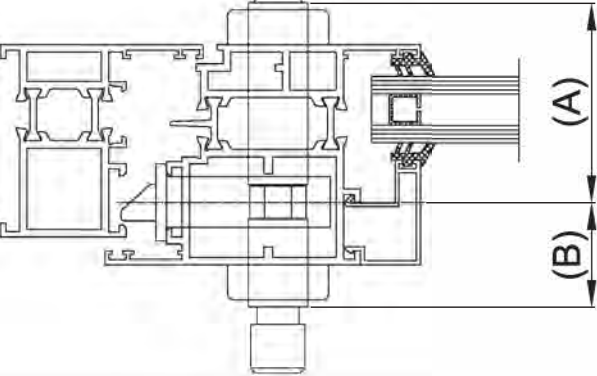
Door Lock Series

	<p>MSC32/I</p>  <ul style="list-style-type: none"> ◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.
	<p>MSC32/II</p>  <ul style="list-style-type: none"> ◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.
	<p>MSC32/III</p>  <ul style="list-style-type: none"> ◆ Suitable for handle MZS08, MZS20, MZS22, MZS208, MZS220, MZS222 etc.

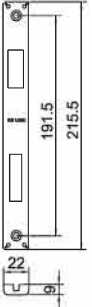



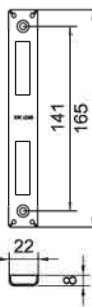

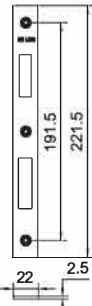



Door Lock Series

	<p>LMS22</p>  <ul style="list-style-type: none"> ◆ Suitable for handle MZS408, MZS420A, MZS422A, MZS508, MZS520A, MZS522A etc. ◆ Suitable for KMB100B, KMB110A, KMB120A frame cover plate etc.
	<p>LMS28</p>  <ul style="list-style-type: none"> ◆ Suitable for handle MZS408, MZS420A, MZS422A, MZS508, MZS520A, MZS522A etc. ◆ Suitable for KMB100B, KMB110A, KMB120A frame cover plate etc.


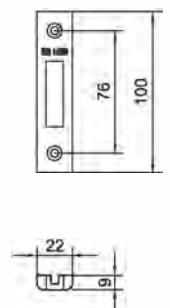

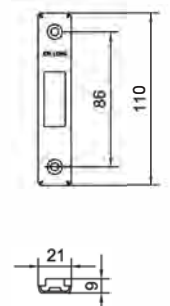

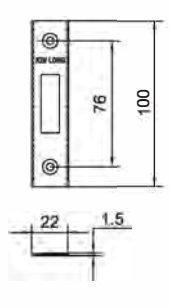

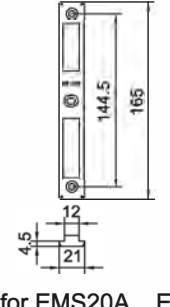

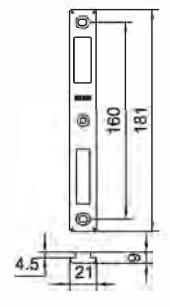
Door Cylinder Series

	<p>KILAB</p>  <ul style="list-style-type: none"> ◆ A is the length from outside to center ◆ B is the length from inside to center
	<p>KILAB/T</p>  <ul style="list-style-type: none"> ◆ A is the length between the key and cylinder center ◆ B is the length between the knob and cylinder center
	<p>KILAB/H</p>  <ul style="list-style-type: none"> ◆ A is the length between the key and cylinder center ◆ B is the length between the knob and cylinder center
	<p>Configuration Introduction</p> <p>Note: According to the left drawing to confirm the length of A, B when select the cylinder.</p> <p>A is the length between the key and cylinder center</p> <p>B is the length between the knob and cylinder center</p>


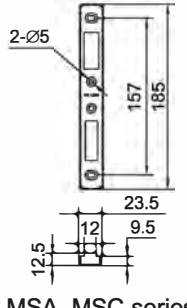

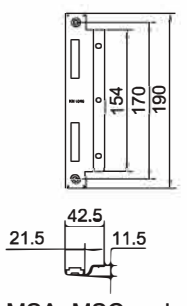

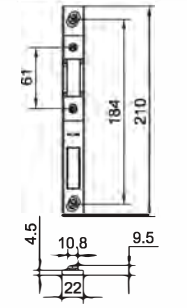

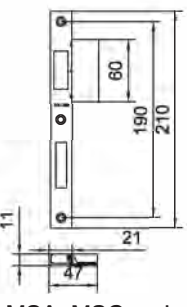

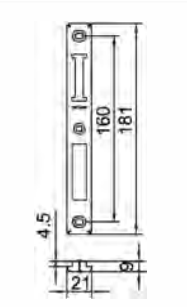
Cover Plate Series

	<p>AMS26-9A</p>  <ul style="list-style-type: none"> ◆ Suitable for JMSC, MSA, MSC series door lock
	<p>AMS26-10</p>  <ul style="list-style-type: none"> ◆ Suitable for JMSC, MSA, MSC series door lock
	<p>EMS-13A</p>  <ul style="list-style-type: none"> ◆ Suitable for EMS20A, EMS30 door lock
	<p>DMS20B</p>  <ul style="list-style-type: none"> ◆ Suitable for JMSC, MSA, MSC series door lock
	<p>KMB70</p>  <ul style="list-style-type: none"> ◆ Suitable for EMS20A, EMS30 door lock

Cover Plate Series


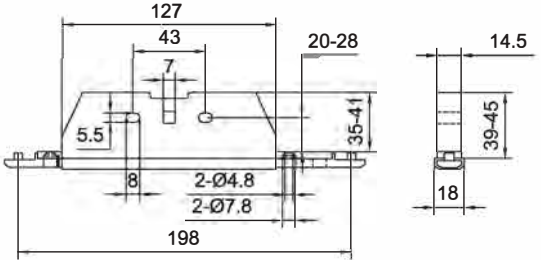

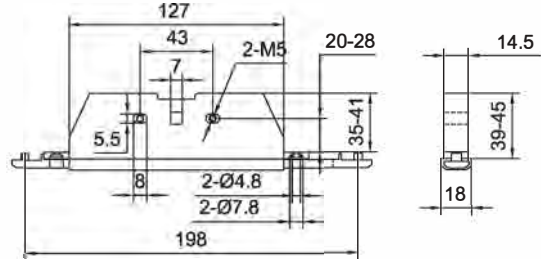

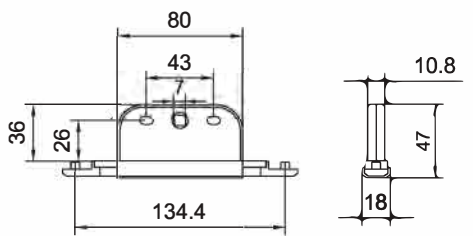
	<p>KMB100B</p>  <p>◆ Applicable door lock series JMS26A/I JMS26A/II MSA19/I MSA28/I MSA32/I LMS22 LMS28</p>
	<p>KMB110A</p>  <p>◆ Applicable door lock series JMS26A/I JMS26A/II MSA19/I MSA28/I MSA32/I LMS22 LMS28</p>
	<p>KMB120A</p>  <p>◆ Applicable door lock series JMS26A/I JMS26A/II MSA19/I MSA28/I MSA32/I LMS22 LMS28</p>
	<p>T-KMB165</p>  <p>◆ Suitable for EMS20A, EMS30 door lock</p>
	<p>KMB180A</p>  <p>◆ Suitable for JMSC, MSA, MSC series door lock</p>


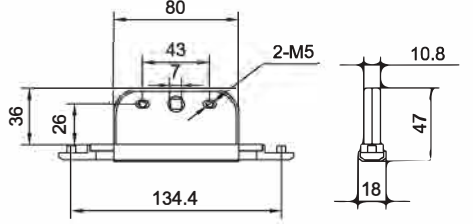

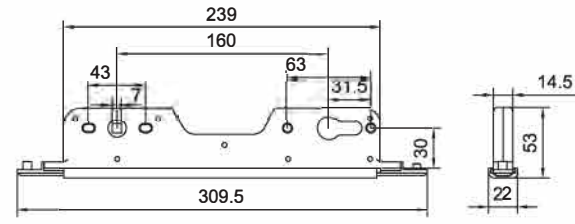

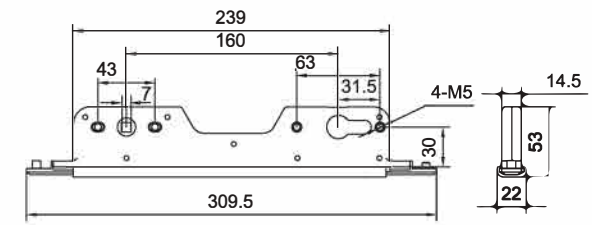
Cover Plate Series

	<p>KMB185</p>  <p>◆ Suitable for JMSC, MSA, MSC series door lock</p>
	<p>KMB190</p>  <p>◆ Suitable for JMSC, MSA, MSC series door lock</p>
	<p>KMB210A</p>  <p>◆ Suitable for JMSC, MSA, MSC series door lock</p> <p style="text-align: right;">Patented Product</p>
	<p>KMB215</p>  <p>◆ Suitable for JMSC, MSA, MSC series door lock</p>
	<p>PMB180</p>  <p>◆ Suitable for MPS20 door lock</p>

Transmitter Series


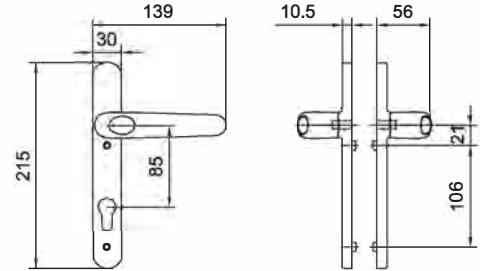

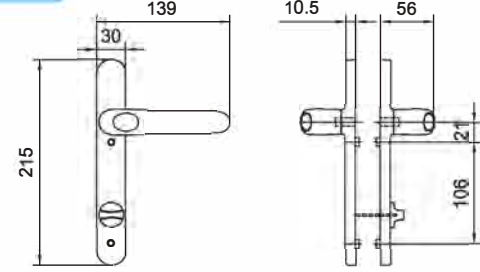


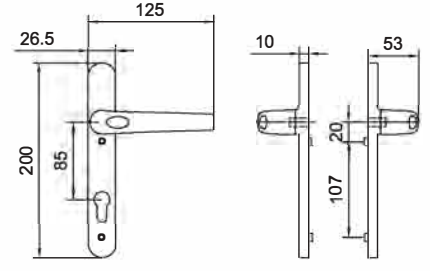

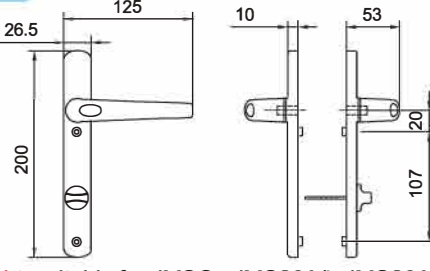

Transmitter Series


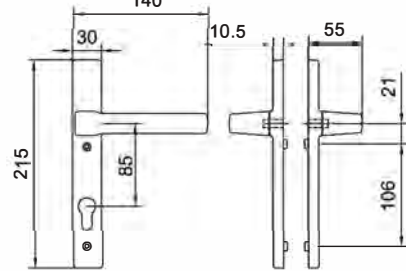

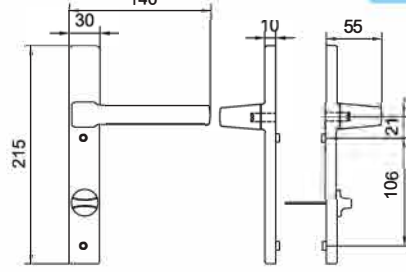


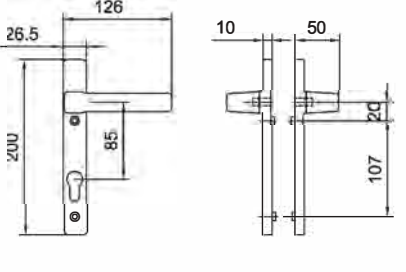

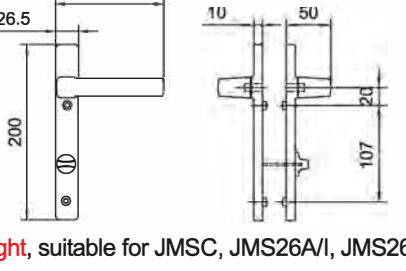

 <p>Patent Product</p>	<p>KMS20/I</p>  <ul style="list-style-type: none"> ◆ Single side transmission. ◆ Suitable for handle MZS06, MZS06S, MZS06H, MZS07, MZS07S, MZS07H
 <p>Patent Product</p>	<p>KMS20/II</p>  <ul style="list-style-type: none"> ◆ Single side transmission. ◆ Suitable for handle with spindle
	<p>CDQ26/I</p>  <ul style="list-style-type: none"> ◆ Double Side Transmission. ◆ Suitable for handle MZS06, MZS06S, MZS06H, MZS07, MZS07S, MZS07H

	<p>CDQ26/II</p>  <ul style="list-style-type: none"> ◆ Double Side Transmission. ◆ Suitable for handle with spindle
	<p>T-CDQ30/I</p>  <ul style="list-style-type: none"> ◆ Double Side Transmission. ◆ Suitable for handle MZS06, MZS06H, MZS07, MZS07H ◆ Applicable to T-SXH01, T-SXH02 cylinder box.
	<p>T-CDQ30/II</p>  <ul style="list-style-type: none"> ◆ Double Side Transmission. ◆ Suitable for handle with spindle ◆ Applicable to T-SXH01, T-SXH02 cylinder box.

Streamline Door Handle Series


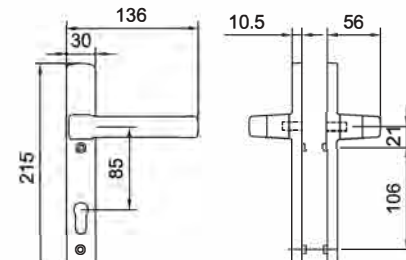

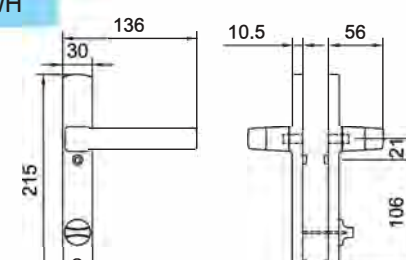


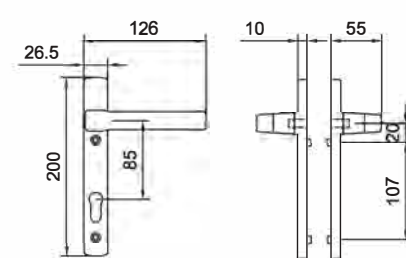

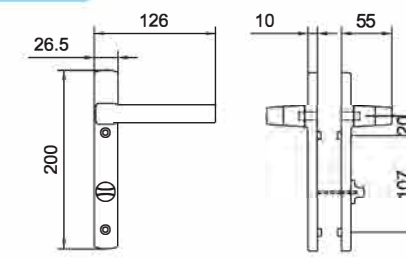

Brief Style Door Handle Series


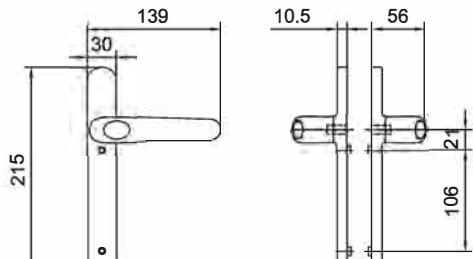

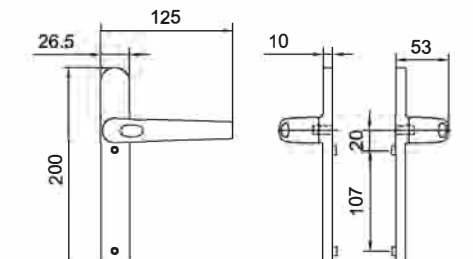

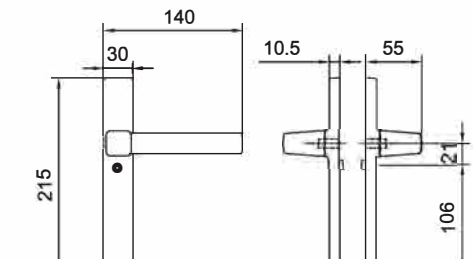

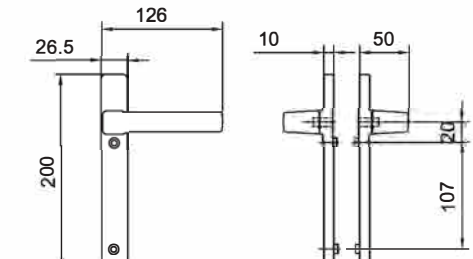
	<p>MZS08</p>  <ul style="list-style-type: none"> ◆ Suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm.
	<p>MZS108/T, MZS108/H</p>  <p>MZS108/H Knob</p>  <ul style="list-style-type: none"> ◆ Suitable for JMSC, JMS26A/I, JMS26A/IIseries door lock. ◆ The embedded depth of spindle is 15-20mm ◆ Standard handle connecting tongue's length 40mm, 65mm.
	<p>MZS208</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for MSA, MSC, EMS series door lock. ◆ The embedded depth of spindle is 15-20mm
	<p>MZS1208/T, MZS1208/H</p>  <p>MZS1208/H Knob</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for JMSC, JMS26A/I, JMS26A/IIseries door lock. ◆ The embedded depth of spindle is 15-20mm ◆ Standard handle connecting tongue's length 40mm, 65mm.

	<p>MZS20</p>  <ul style="list-style-type: none"> ◆ Suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm <p>Patented Product</p>
	<p>MZS120/T, MZS120/H</p>  <p>MZS120/H Knob</p>  <ul style="list-style-type: none"> ◆ Suitable for JMSC, JMS26A/I, JMS26A/IIseries door lock. ◆ The embedded depth of spindle is 15-20mm ◆ Standard handle connecting tongue's length 40mm, 65mm. <p>Patented Product</p>
	<p>MZS220</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for MSA, MSC, EMS series door lock. ◆ The embedded depth of spindle is 15-20mm <p>Patented Product</p>
	<p>MZS1220/T, MZS1220/H</p>  <p>MZS1220/H Knob</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for JMSC, JMS26A/I, JMS26A/IIseries door lock. ◆ The embedded depth of spindle is 15-20mm ◆ Standard handle connecting tongue's length 40mm, 65mm.

Steady Style Door Handle Series


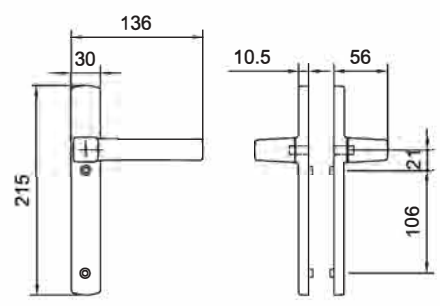

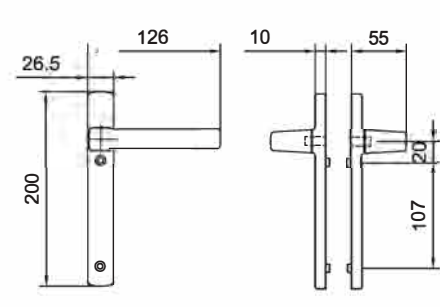

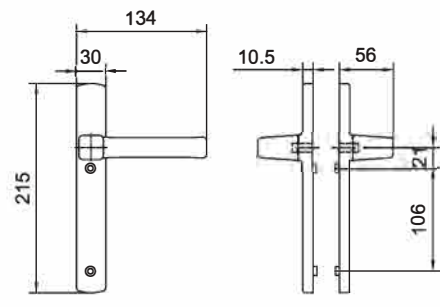
Auxiliary Door Handle Series


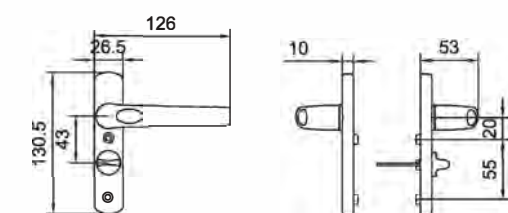

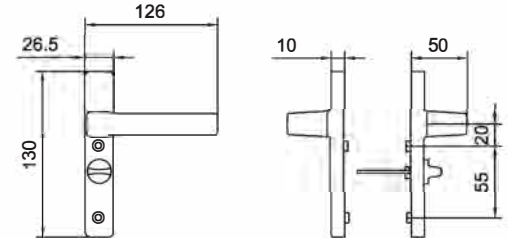

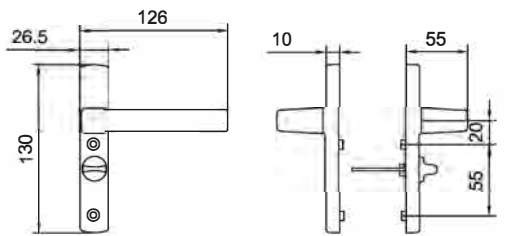
 <p>Patented Product</p>	<p>MZS22</p>  <ul style="list-style-type: none"> ◆ Suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm
 <p>Patented Product</p>	<p>MZS122/T、MZS122/H</p>  <p>MZS122/H Knob</p>  <ul style="list-style-type: none"> ◆ Suitable for JMSC, JMS26A/I, JMS26A/II series door lock. ◆ The embedded depth of spindle is 15-20mm ◆ Standard handle connecting tongue's length 40mm, 65mm.
 <p>Patented Product</p>	<p>MZS222</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for MSA, MSC, EMS series door lock. ◆ The embedded depth of spindle is 15-20mm
 <p>Patented Product</p>	<p>MZS1222/T、MZS1222/H</p>  <p>MZS1222/H Knob</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for JMSC, JMS26A/I, JMS26A/II series door lock. ◆ The embedded depth of spindle is 15-20mm ◆ Standard handle connecting tongue's length 40mm, 65mm.

	<p>MZS308</p>  <ul style="list-style-type: none"> ◆ Suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm
	<p>MZS3208</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for MSA, MSC, EMS series door lock. ◆ The embedded depth of spindle is 15-20mm
	<p>MZS320</p>  <ul style="list-style-type: none"> ◆ Suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm
	<p>MZS3220</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for MSA, MSC, EMS series door lock. ◆ The embedded depth of spindle is 15-20mm

Auxiliary Door Handle Series


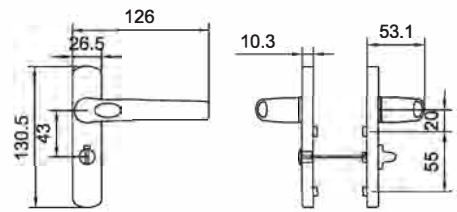

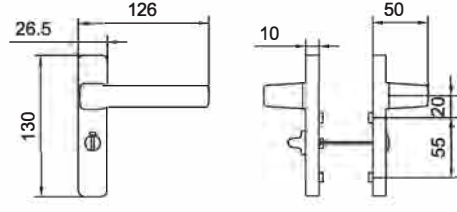

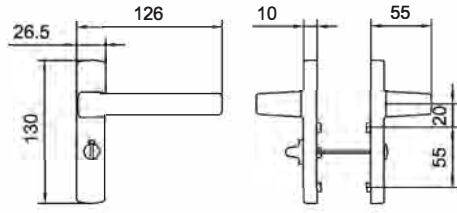
Other Door Handle Series


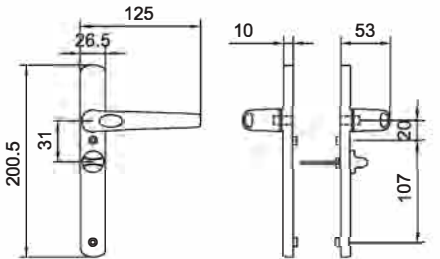

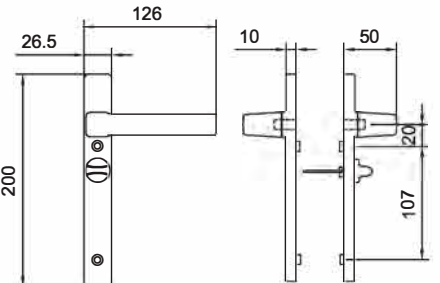

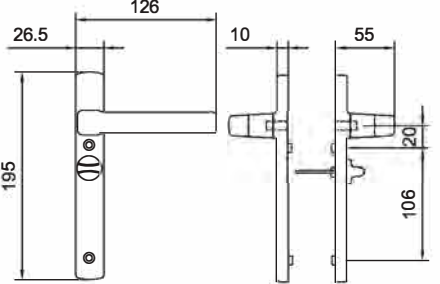
	<p>MZS322</p>  <ul style="list-style-type: none"> ◆ Suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm
	<p>MZS322</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for MSA, MSC, EMS series door lock. ◆ The embedded depth of spindle is 15-20mm
	<p>MZS323</p>  <ul style="list-style-type: none"> ◆ Suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm

	<p>MZS408</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to door lock LMS22 LMS28 ◆ Square steel insertion depth is 15-20mm ◆ Flat pin length is 30-65mm, Decreased by the unit of 5mm ◆ Used for balcony, passageway etc.
	<p>MZS420A</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to door lock LMS22 LMS28 ◆ Square steel insertion depth is 15-20mm ◆ Flat pin length is 30-65mm, Decreased by the unit of 5mm ◆ Used for balcony, passageway etc.
	<p>MZS422A</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to door lock LMS22 LMS28 ◆ Square steel insertion depth is 15-20mm ◆ Flat pin length is 30-65mm, Decreased by the unit of 5mm ◆ Used for balcony, passageway etc.

Other Door Handle Series


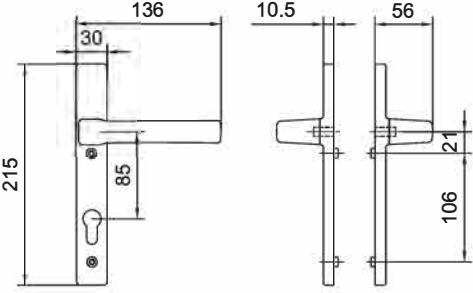

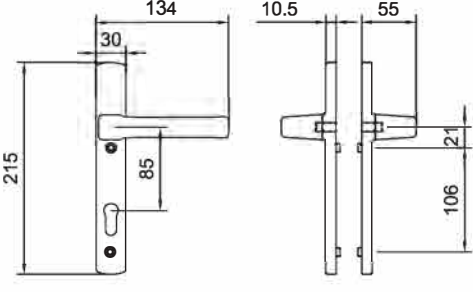

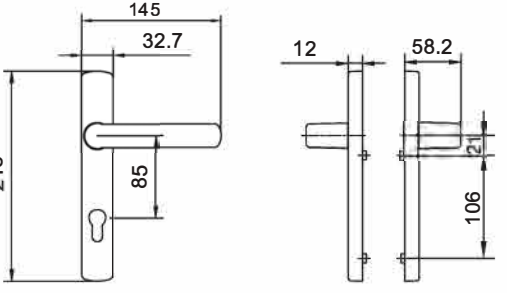
Other Door Handle Series


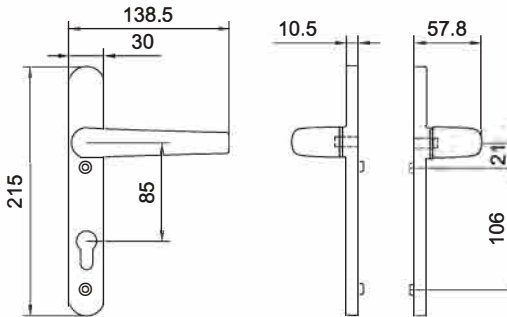

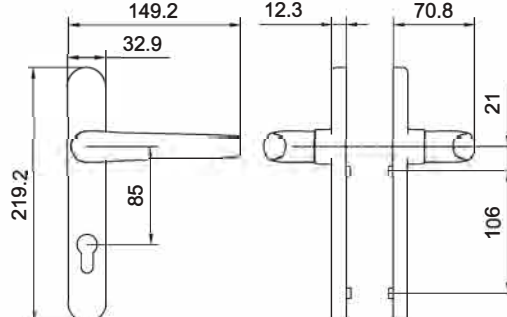

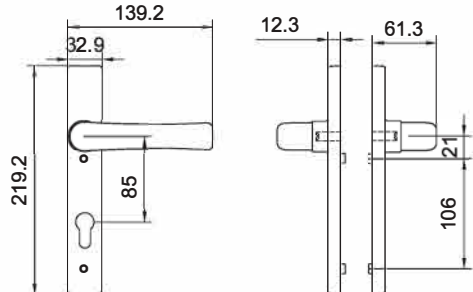
	<p>MZS508</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to door lock LMS22 LMS28 ◆ Square steel insertion depth is 15-20mm ◆ Flat pin length is 30-65mm, Decreased by the unit of 5mm ◆ With red and green mark indication and applicable to bathrooms ,corridors and so on
	<p>MZS520A</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to door lock LMS22 LMS28 ◆ Square steel insertion depth is 15-20mm ◆ Flat pin length is 30-65mm, Decreased by the unit of 5mm ◆ With red and green mark indication and applicable to bathrooms ,corridors and so on
	<p>MZS522A</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to door lock LMS22 LMS28 ◆ Square steel insertion depth is 15-20mm ◆ Flat pin length is 30-65mm, Decreased by the unit of 5mm ◆ With red and green mark indication and applicable to bathrooms ,corridors and so on

	<p>MZS1408</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to door lock LMS22 LMS28 ◆ Square steel insertion depth is 15-20mm ◆ Flat pin length is 30-65mm, Decreased by the unit of 5mm ◆ Used for balcony, passageway etc.
	<p>MZS1420A</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to door lock LMS22 LMS28 ◆ Square steel insertion depth is 15-20mm ◆ Flat pin length is 30-65mm, Decreased by the unit of 5mm ◆ Used for balcony, passageway etc.
	<p>MZS1422A</p>  <ul style="list-style-type: none"> ◆ Left & Right, applicable to door lock LMS22 LMS28 ◆ Square steel insertion depth is 15-20mm ◆ Flat pin length is 30-65mm, Decreased by the unit of 5mm ◆ Used for balcony, passageway etc.

Other Door Handle Series


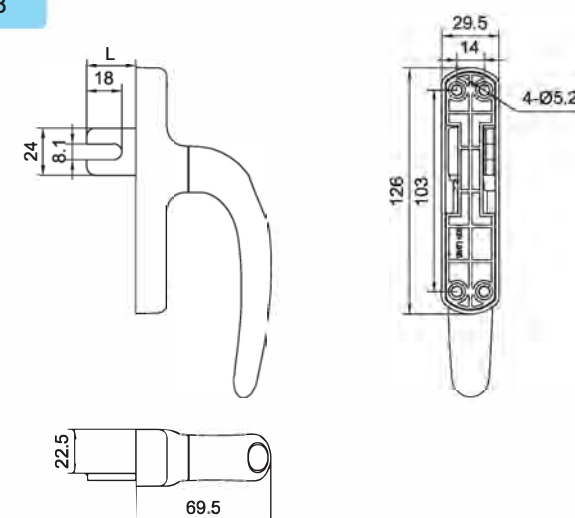

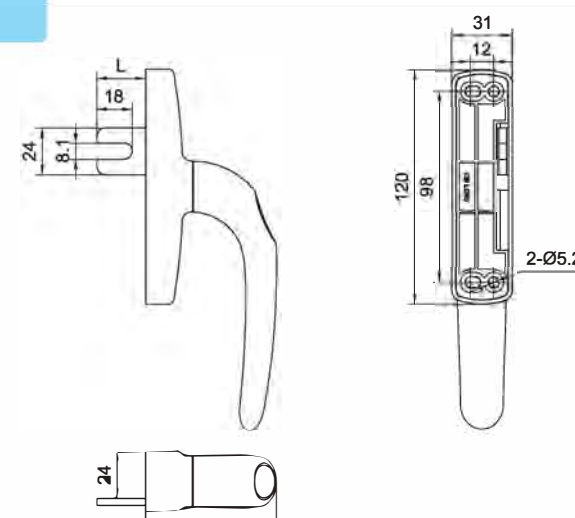

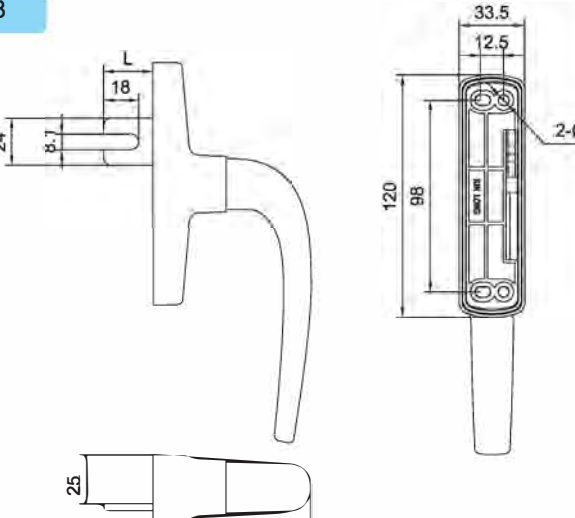
Other Door Handle Series


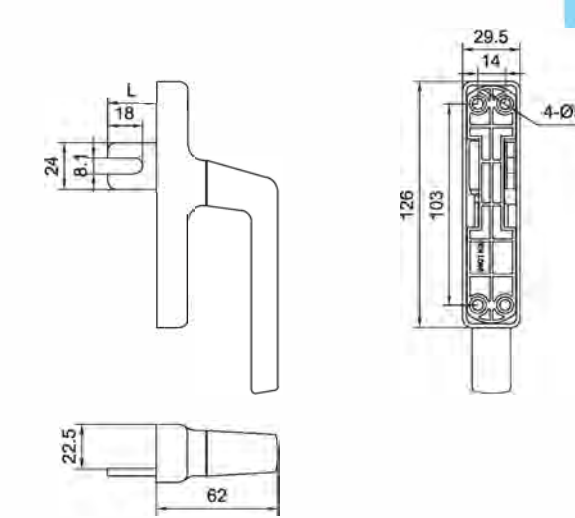

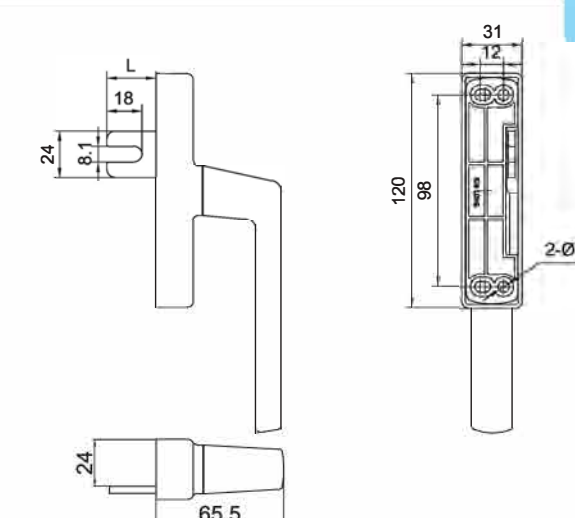

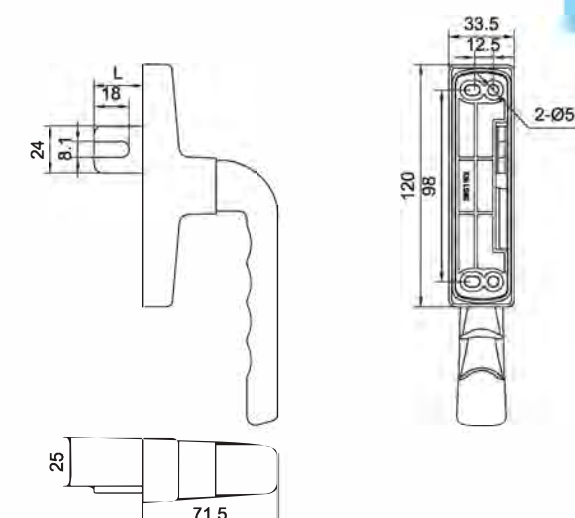
	<p style="text-align: center;">MZS19</p>  <ul style="list-style-type: none"> ◆ suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm
	<p style="text-align: center;">MZS23</p>  <ul style="list-style-type: none"> ◆ suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm
	<p style="text-align: center;">MZS620</p>  <ul style="list-style-type: none"> ◆ suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm

	<p style="text-align: center;">MZS718</p>  <ul style="list-style-type: none"> ◆ suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 18-22mm
	<p style="text-align: center;">MZS818</p>  <ul style="list-style-type: none"> ◆ suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm
	<p style="text-align: center;">MZS820</p>  <ul style="list-style-type: none"> ◆ suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm


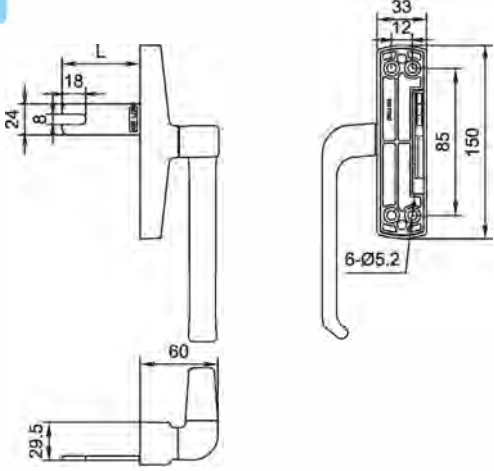

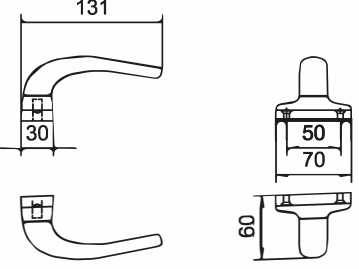

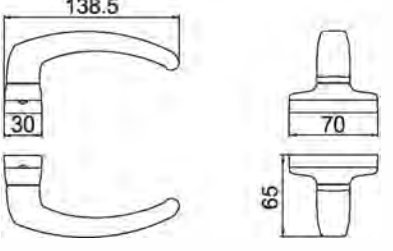

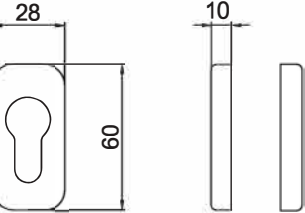
Other Door Handle Series

Other Door Handle Series

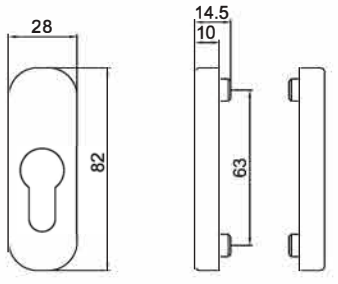

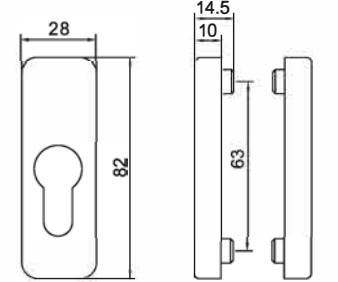

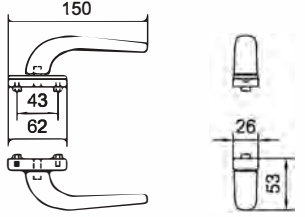

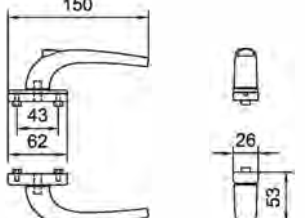

	<p>TZS008</p>  <p>◆ L=25, 50.</p>
	<p>TZS08</p>  <p>◆ L=25, 50.</p>
	<p>TZS118</p>  <p>◆ L=25, 50.</p>

	<p>TZS020</p>  <p>◆ L=25, 50.</p>
	<p>TZS20</p>  <p>◆ L=25, 50.</p>
	<p>TZS120</p>  <p>◆ L=25, 50.</p>


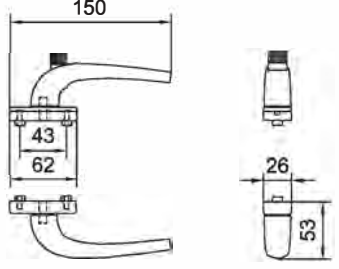

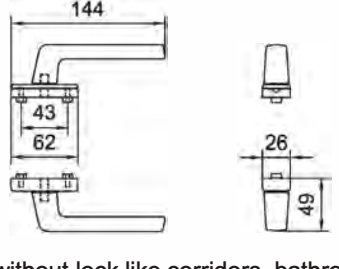

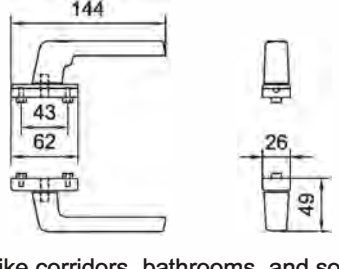

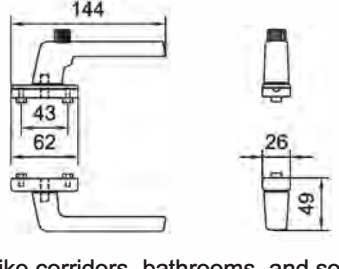
Other Door Handle Series

	<p>TZS23</p>  <ul style="list-style-type: none"> ◆ Left & Right, available 20-60mm
	<p>MZS60</p>  <ul style="list-style-type: none"> ◆ suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm
 <p>Patented Product</p>	<p>MZS61</p>  <ul style="list-style-type: none"> ◆ suitable for MSA, MSC series door lock. ◆ The embedded depth of spindle is 15-20mm
	<p>MZS60-SH</p>  <ul style="list-style-type: none"> ◆ Used together with door handle MZS06, MZS07, MZS06H, MZS07H, MZS60, MZS61.

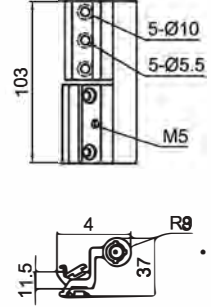

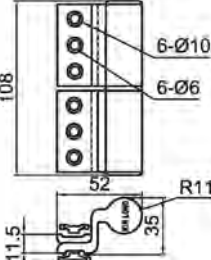

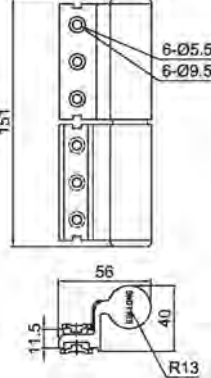

Other Door Handle Series

	<p>T-SXH01</p>  <ul style="list-style-type: none"> ◆ Used together with door handle MZS06, MZS07, MZS06H, MZS07H.
	<p>T-SXH02</p>  <ul style="list-style-type: none"> ◆ Used together with door handle MZS06, MZS07, MZS06H, MZS07H.
	<p>MZS06</p>  <ul style="list-style-type: none"> ◆ Used indoor without lock, like corridors, bathrooms, and so on. ◆ applicable to transmitter KMS20/I CDQ26/I and T-CDQ30/I ◆ insertion depth of square steel is 15-20mm
	<p>MZS06S</p>  <ul style="list-style-type: none"> ◆ Used indoor like corridors, bathrooms, and so on. ◆ One key can open all ◆ applicable to transmitter KMS20/I CDQ26/I and T-CDQ30/I ◆ insertion depth of square steel is 15-20mm


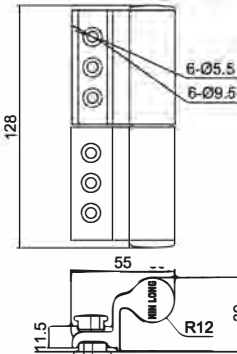

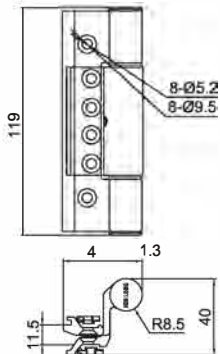

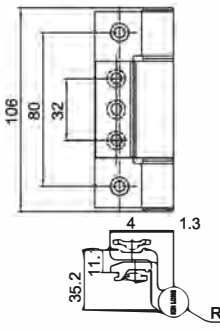
Other Door Handle Series

	<p>MZS06H</p>  <ul style="list-style-type: none"> ◆ Used indoor like corridors, bathrooms, and so on. ◆ Knob controls the lock ◆ applicable to transmitter KMS20/I CDQ26/I and T-CDQ30/I ◆ insertion depth of square steel is 15-20mm
	<p>MZS07</p>  <ul style="list-style-type: none"> ◆ Used indoor without lock, like corridors, bathrooms, and so on. ◆ applicable to transmitter KMS20/I CDQ26/I and T-CDQ30/I ◆ insertion depth of square steel is 15-20mm
	<p>MZS07S</p>  <ul style="list-style-type: none"> ◆ Used indoor like corridors, bathrooms, and so on. ◆ One key can open all ◆ applicable to transmitter KMS20/I CDQ26/I and T-CDQ30/I ◆ insertion depth of square steel is 15-20mm
	<p>MZS07H</p>  <ul style="list-style-type: none"> ◆ Used indoor like corridors, bathrooms, and so on. ◆ Knob controls the lock ◆ applicable to transmitter KMS20/I CDQ26/I and T-CDQ30/I ◆ insertion depth of square steel is 15-20mm

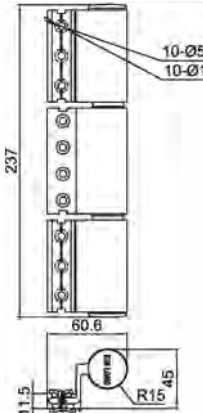

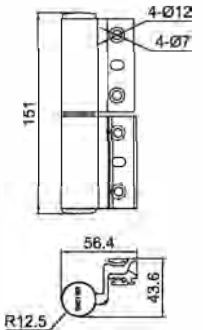

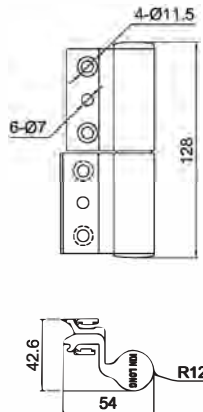

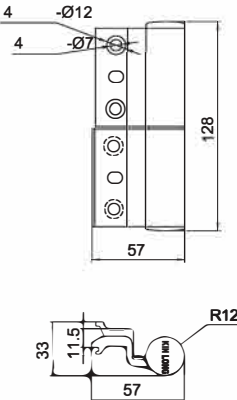

Pivot Hinge Series

	<p>J4</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for standard C groove profile side hung door. ◆ The gap between the frame and sash required 3.5-5.0mm. ◆ Maximum load bearing capacity is 90KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted.
	<p>J5C</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for standard C groove profile side hung door. ◆ The gap between the frame and sash required 4.0-5.0mm. ◆ Maximum load bearing capacity is 110KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted.
	<p>MJ15A</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for standard C groove profile side hung door. ◆ The gap between the frame and sash required 4.0-5.0mm. ◆ Maximum load bearing capacity is 150KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted. ◆ can choose separating clamp


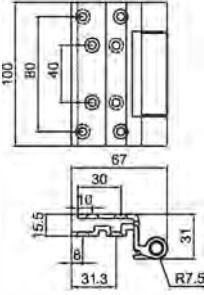

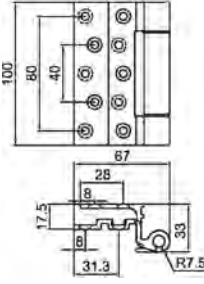

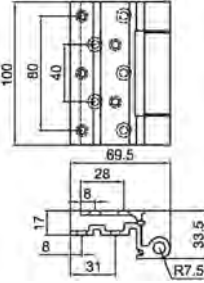

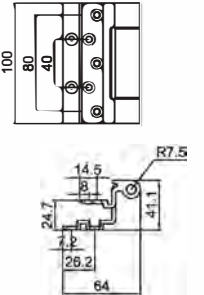
Pivot Hinge Series

 <p>Patented Product</p> <p>Recommended Product by Committee of Construction Door&Window Hardware</p>	<p>MJ16</p>  <ul style="list-style-type: none"> ◆ Left&Right Applicable to the casement window with Standard C-groove profile ◆ Gap between frame and sash needs to be 4.0 to 5.0mm ◆ Maximum weight bearing is 130kg which is affected by the installation and profile design ◆ Eccentrically adjustable
	<p>MJ17</p>  <ul style="list-style-type: none"> ◆ Applicable to the casement window with Standard C-groove profile ◆ Gap between frame and sash needs to be 3.5 to 5.0mm ◆ Maximum weight bearing is 110kg which is affected by the installation and profile design ◆ Eccentrically adjustable
	<p>T-MJ07</p>  <ul style="list-style-type: none"> ◆ Applicable to the casement window with Standard C-groove profile ◆ Gap between frame and sash needs to be 3.5 to 5.0mm ◆ Maximum weight bearing is 90kg which is affected by the installation and profile design ◆ Eccentrically adjustable


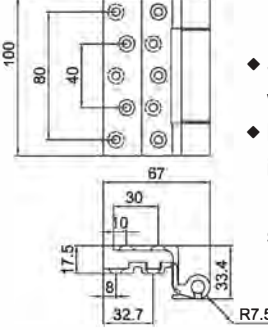

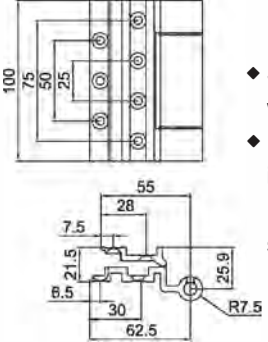

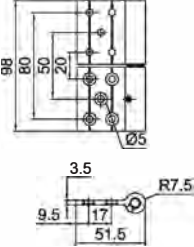

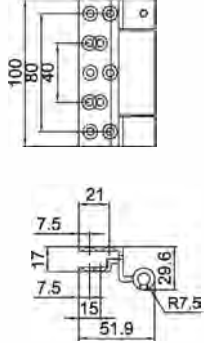
Pivot Hinge Series

	<p>MJ20</p>  <ul style="list-style-type: none"> ◆ Applicable to the casement window with Standard C-groove profile ◆ Gap between frame and sash needs to be 4.0 to 5.0mm ◆ Maximum weight bearing is 200kg which is affected by the installation and profile design ◆ Eccentrically adjustable
	<p>MJ25</p>  <ul style="list-style-type: none"> ◆ Left&Right Applicable to the casement window with Standard C-groove profile ◆ Gap between frame and sash needs to be 4.0 to 5.0mm ◆ Maximum weight bearing is 150kg which is affected by the installation and profile design ◆ Eccentrically adjustable
	<p>MJ26</p>  <ul style="list-style-type: none"> ◆ Left&Right Applicable to the casement window with Standard C-groove profile ◆ Gap between frame and sash needs to be 3.5 to 5.0mm ◆ Maximum weight bearing is 130kg which is affected by the installation and profile design ◆ Eccentrically adjustable
	<p>T-MJ05</p>  <ul style="list-style-type: none"> ◆ Left&Right Applicable to the casement window with Standard C-groove profile ◆ Gap between frame and sash needs to be 3.5 to 5.0mm ◆ Maximum weight bearing is 120kg which is affected by the installation and profile design ◆ Eccentrically adjustable


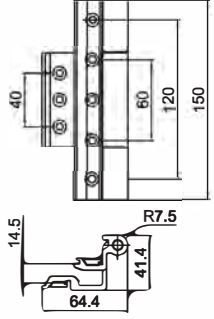

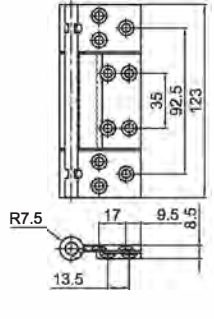

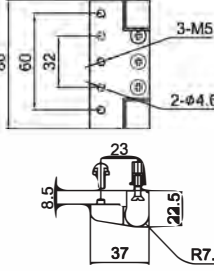

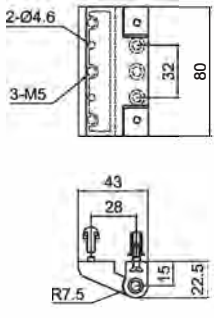
Pivot Hinge Series

	<p>WK-AB</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door without groove profile. ◆ Maximum load bearing capacity is 55KG, which depends on the installation method and profile style.
	<p>WK-AC</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door without groove profile. ◆ Maximum load bearing capacity is 55KG, which depends on the installation method and profile style.
	<p>WK-AE</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door without groove profile. ◆ Maximum load bearing capacity is 55KG, which depends on the installation method and profile style.
	<p>WK-AF</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door without groove profile. ◆ Maximum load bearing capacity is 55KG, which depends on the installation method and profile style.

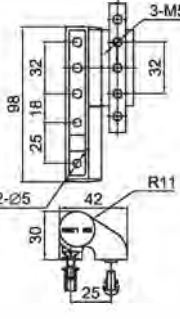

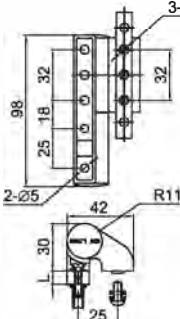

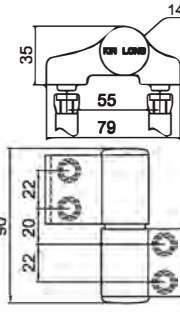

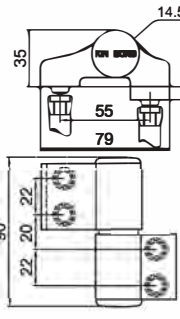

Pivot Hinge Series

	<p>WK-AG</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door without groove profile. ◆ Maximum load bearing capacity is 55KG, which depends on the installation method and profile style.
	<p>T-WK-AK</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door without groove profile. ◆ Maximum load bearing capacity is 80KG, which depends on the installation method and profile style.
	<p>WK-LA</p>  <ul style="list-style-type: none"> ◆ Left&Right Suitable for side hung door without groove profile. ◆ Maximum load bearing capacity is 45KG, which depends on the installation method and profile style.
	<p>T-WK-AM</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door without groove profile. ◆ Maximum load bearing capacity is 55KG, which depends on the installation method and profile style.


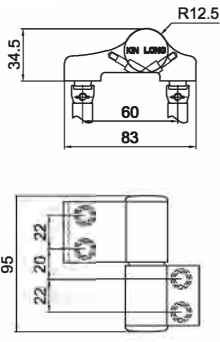

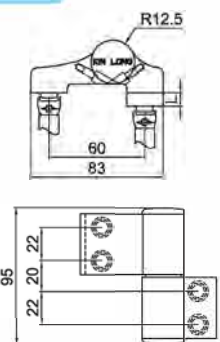

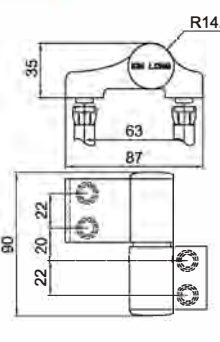

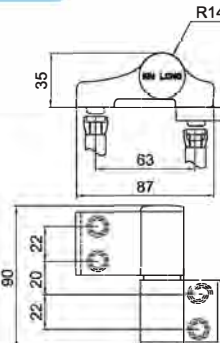
Pivot Hinge Series

	<p>WK-55</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door without groove profile. ◆ Maximum load bearing capacity is 110KG, which depends on the installation method and profile style.
	<p>WK-70</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door without groove profile. ◆ Maximum load bearing capacity is 55KG, which depends on the installation method and profile style.
	<p>WK-D</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door. ◆ Maximum load bearing capacity is 55KG, which depends on the installation method and profile style.
	<p>WK-E</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door. ◆ Maximum load bearing capacity is 55KG, which depends on the installation method and profile style.


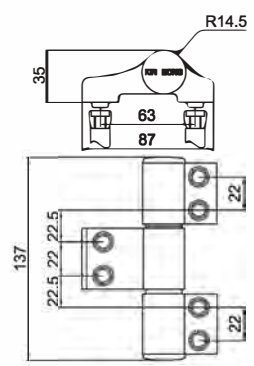

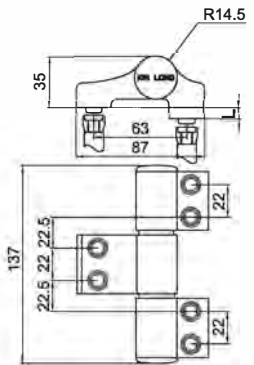

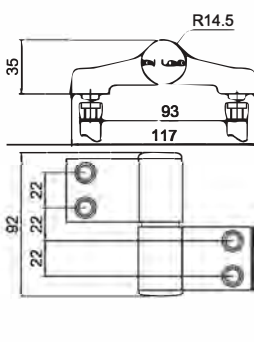

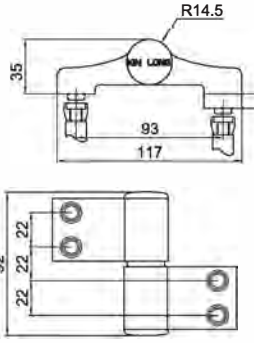
Pivot Hinge Series

	<p>LHD25</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for side hung door with frame and sash in the same level. ◆ Maximum load bearing capacity is 90KG, which depends on the installation method and profile style.
	<p>LHE25</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for side hung door with frame and sash 8.0-10.0mm gap. ◆ Maximum load bearing capacity is 90KG, which depends on the installation method and profile style.
	<p>LHD55</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for side hung door with frame and sash in the same level. ◆ Maximum load bearing capacity is 180KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted. <p>Patented Product</p>
	<p>LHE55</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for side hung door with frame and sash 8.0-10.0mm gap. ◆ Maximum load bearing capacity is 180KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted. <p>Patented Product</p>

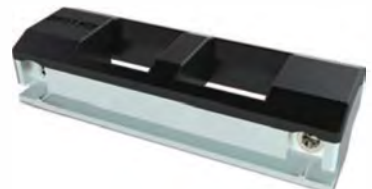
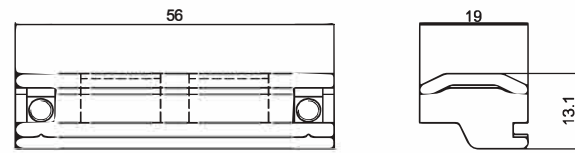

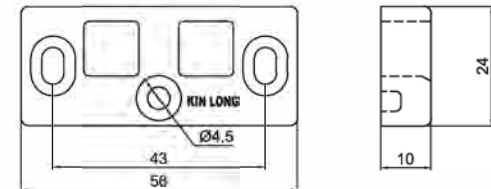

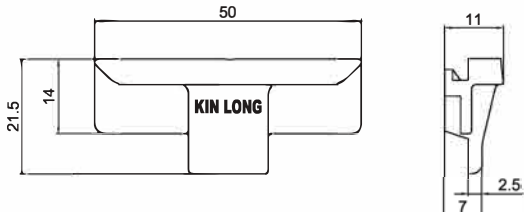

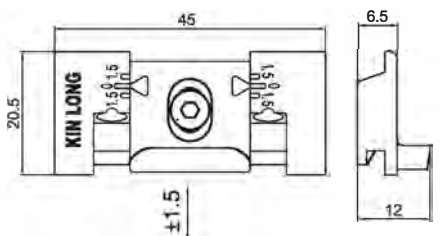

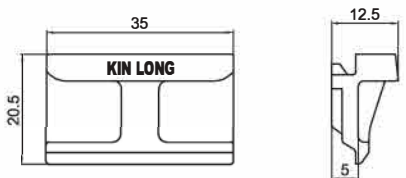
Pivot Hinge Series

	<p>LHD60</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for side hung door with frame and sash in the same level. ◆ Maximum load bearing capacity is 150KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted.
	<p>LHE60</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for side hung door with frame and sash 8.0-10.0mm gap. ◆ Maximum load bearing capacity is 150KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted.
 <p>Patented Product</p>	<p>LHD63</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for side hung door with frame and sash in the same level. ◆ Maximum load bearing capacity is 180KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted.
 <p>Patented Product</p>	<p>LHE63</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for side hung door with frame and sash 8.0-10.0mm gap. ◆ Maximum load bearing capacity is 180KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted.

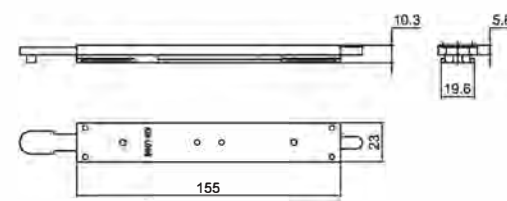

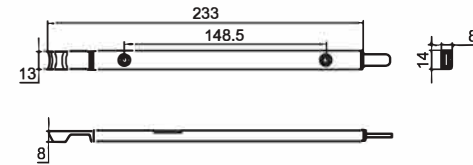

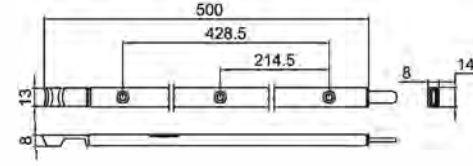

Pivot Hinge Series

	<p>SHD63</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door with frame and sash in the same level. ◆ Maximum load bearing capacity is 180KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted. <p>Patented Product</p>
	<p>SHE63</p>  <ul style="list-style-type: none"> ◆ Suitable for side hung door with frame and sash 8.0-10.0mm gap. ◆ Maximum load bearing capacity is 180KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted. <p>Patented Product</p>
	<p>LHD93A</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for side hung door with frame and sash in the same level. ◆ Maximum load bearing capacity is 180KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted. <p>Patented Product</p>
	<p>LHE93A</p>  <ul style="list-style-type: none"> ◆ Left & Right, suitable for side hung door with frame and sash 8.0-10.0mm gap. ◆ Maximum load bearing capacity is 180KG, which depends on the installation method and profile style. ◆ Central axis of the pivot hinge can be adjusted. <p>Patented Product</p>

Side Hung Door Locking Plate Series

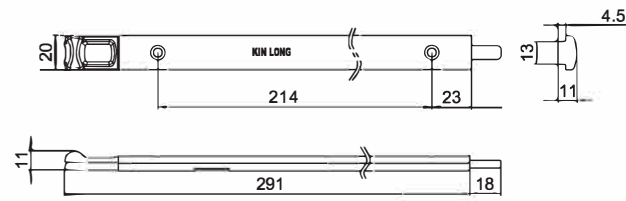
	<p>SK20</p> 
	<p>SK30</p> 
	<p>SK23A</p> 
	<p>MSK24</p>  <p>◆ Adjustable locking plate</p>
	<p>T-MSK25</p> 

Socket Series

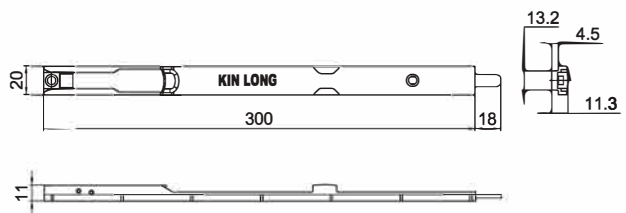
	<p>SCQ10</p>  <p>Patented Product</p>
	<p>SCX220A</p> 
	<p>SCX500A</p> 

Socket Series

MCX310

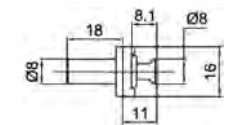
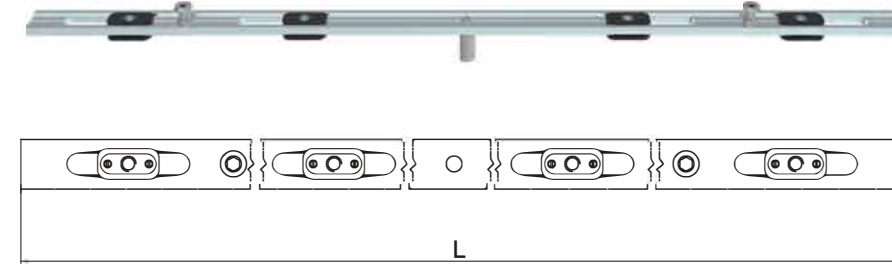


MCX320



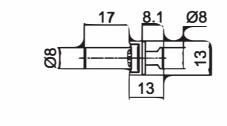
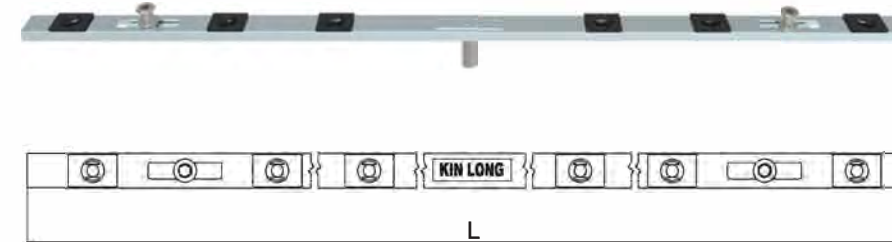
Transmission Rod Series

TLG01-L



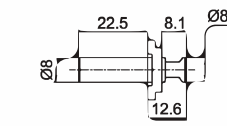
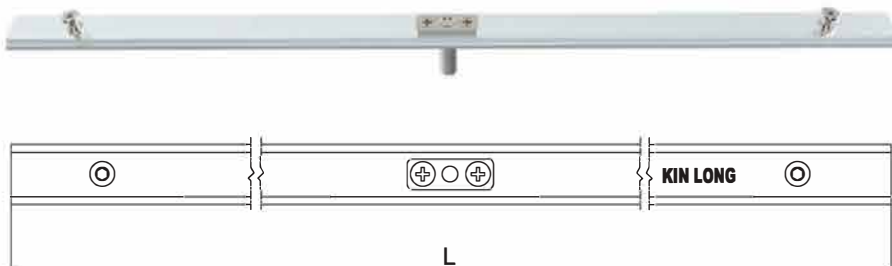
L(mm)
400
500
600
700
800
900
1000
1100
1200

TLG02A-L



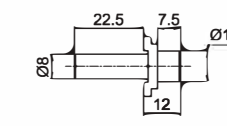
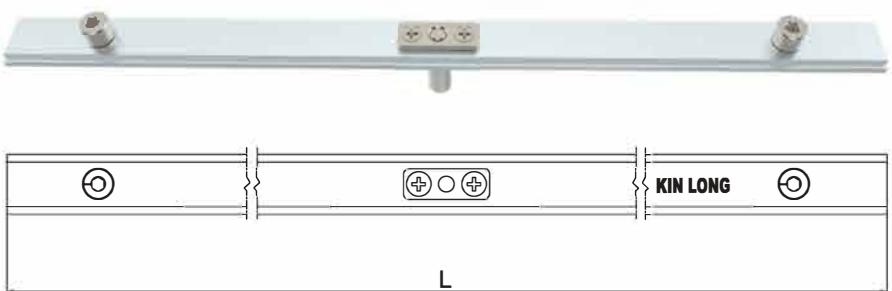
L(mm)
600
800
1000
1200
1400
1600

TLG11-L



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

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


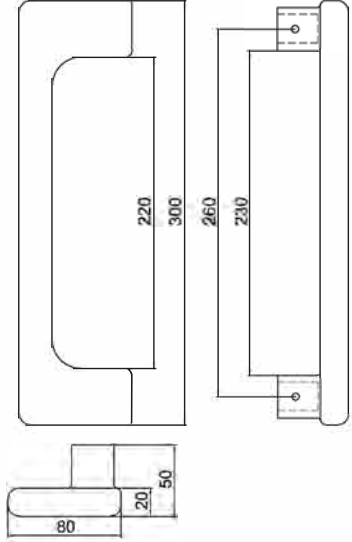

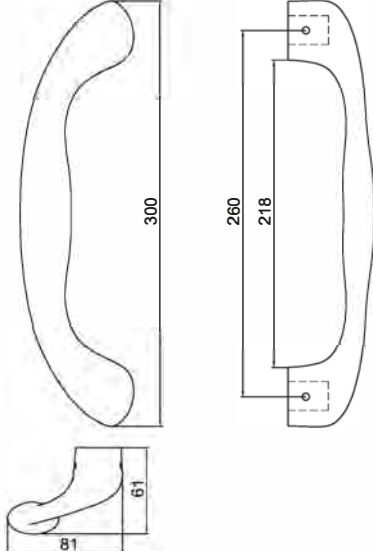

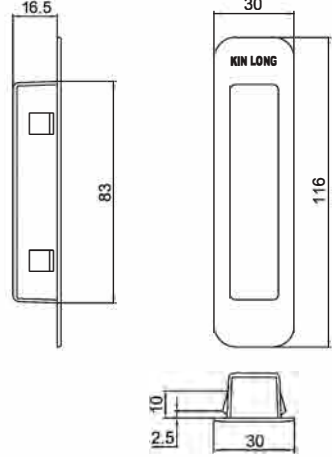
TCG10

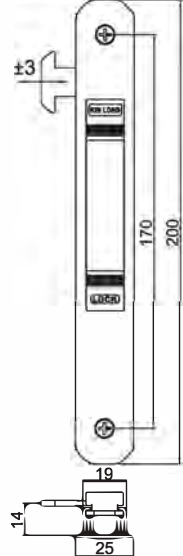
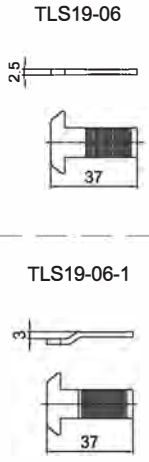

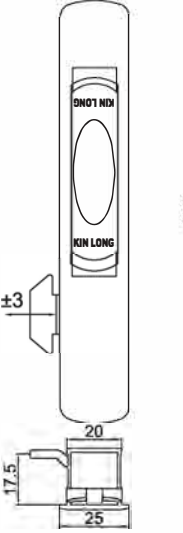
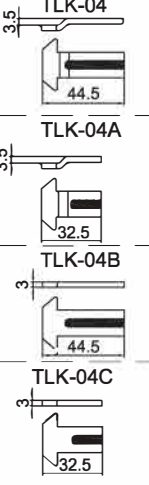

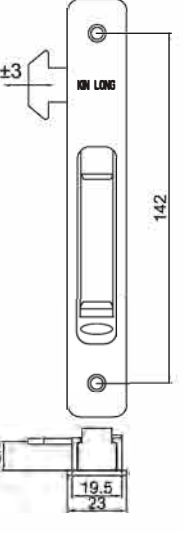
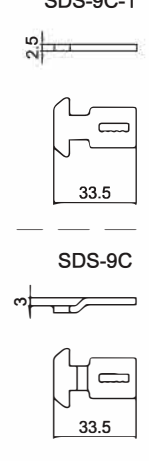

TCG11

TSD01

Handle Series

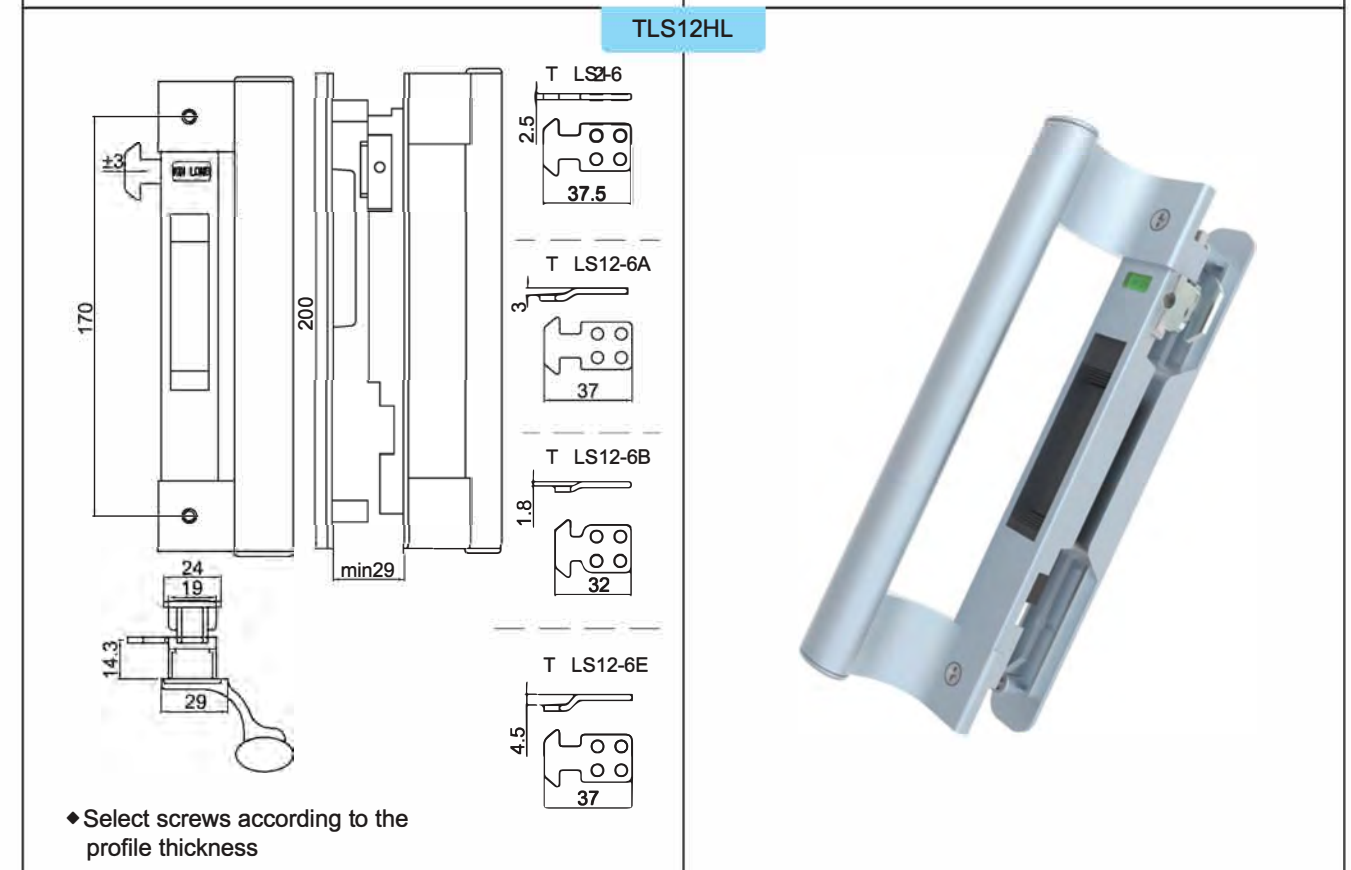
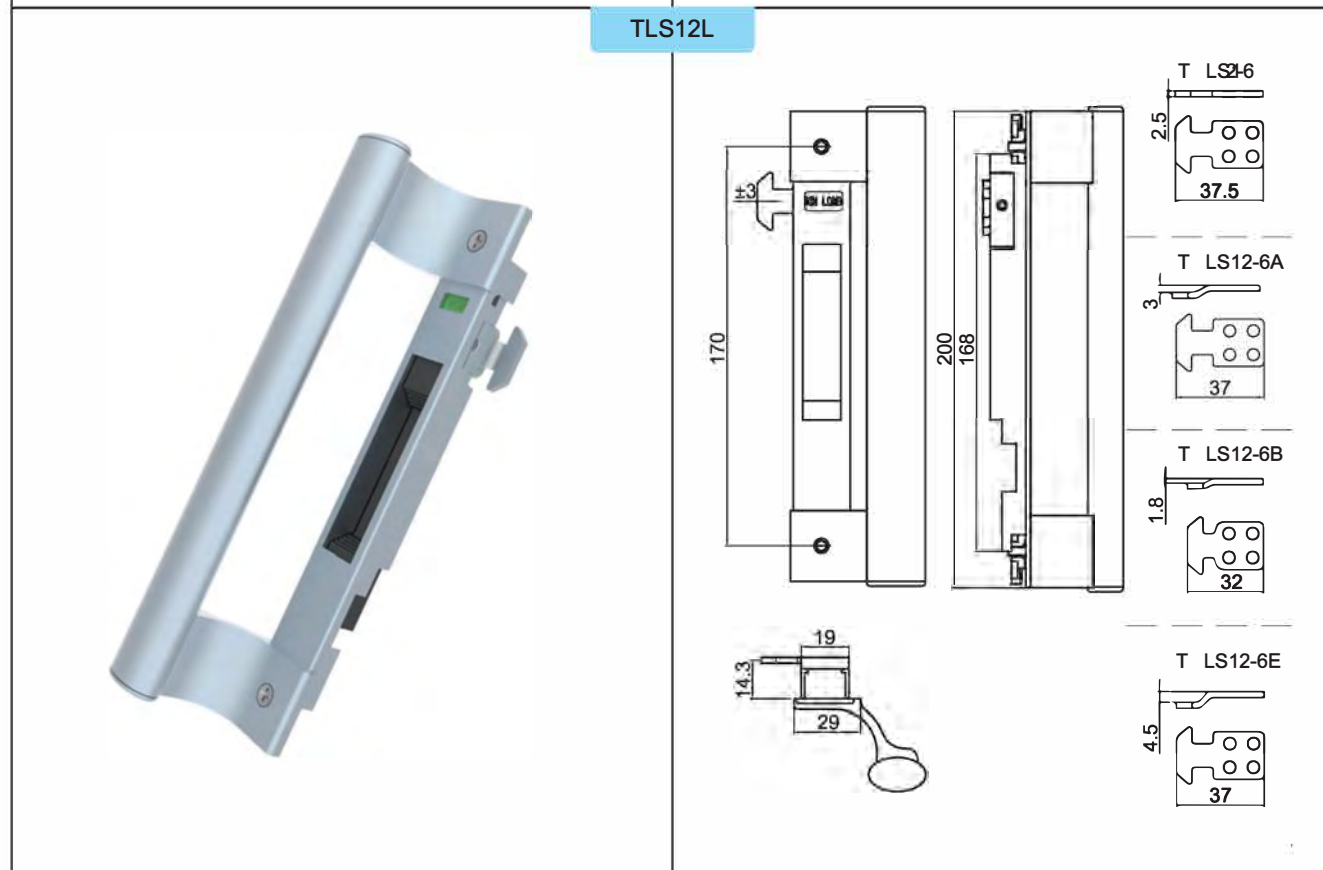
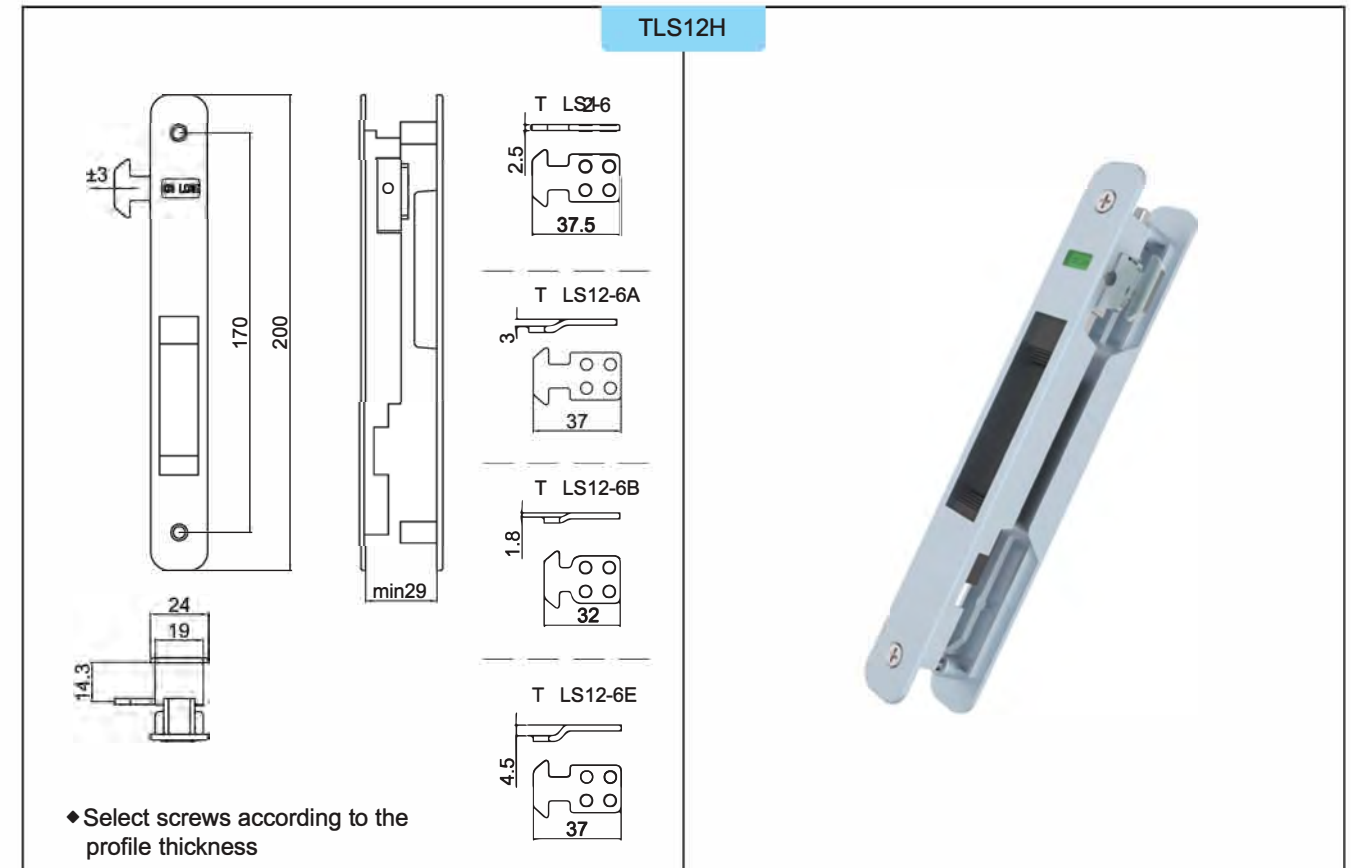
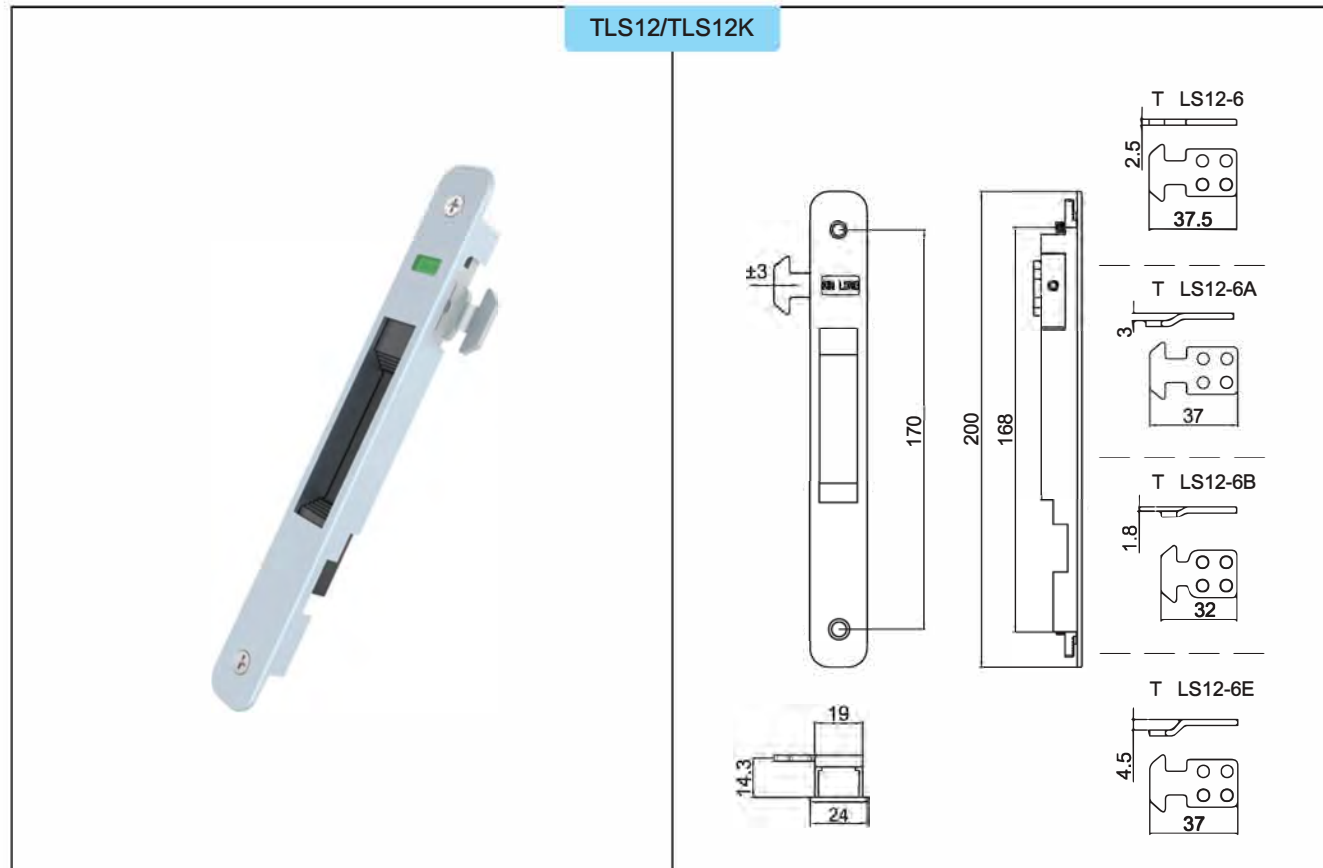
Sliding Lock Series

	<p>MLS01</p> 
	<p>MLS02</p> 
	<p>TKS01</p>  <p>◆ Used together with the crescent lock</p>

	<p>TLS04/TLS04K</p>  
	<p>TLS09</p>   <p>Patented Product</p>
	<p>TLS10/TLS10K</p>  

Sliding Lock Series


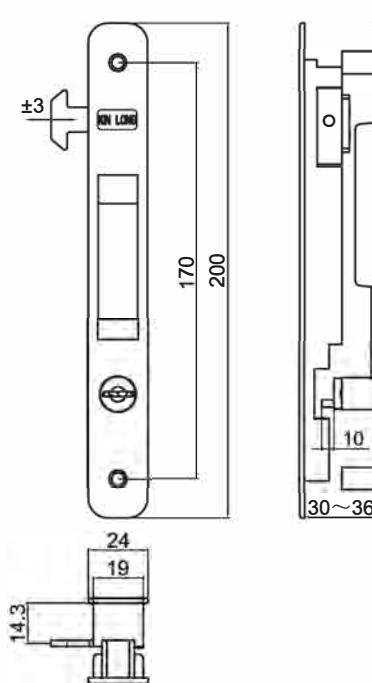
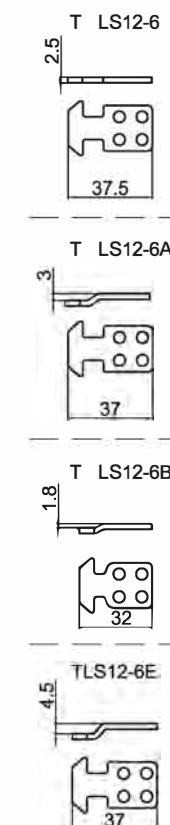
Sliding Lock Series



Sliding Lock Series


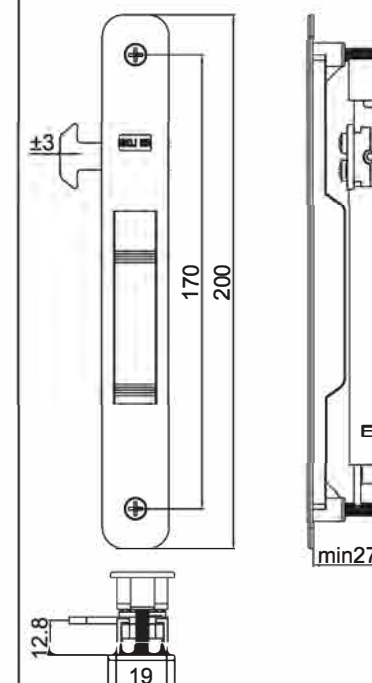
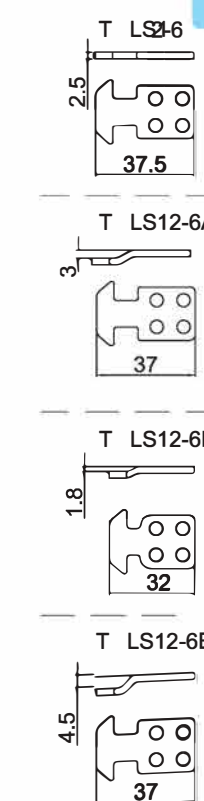
Sliding Lock Series

TLS12HS

- ◆ Select screws according to the profile thickness
- ◆ one key can not open all


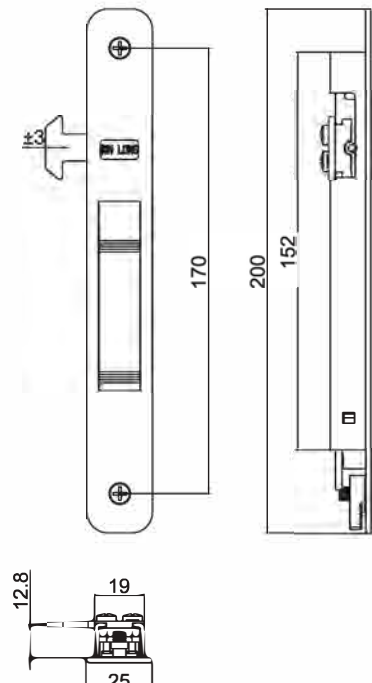
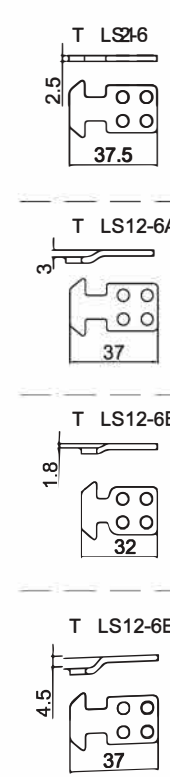
TLS16H

- ◆ Select screws according to the profile thickness
- ◆ with safety buckle

Patented Product


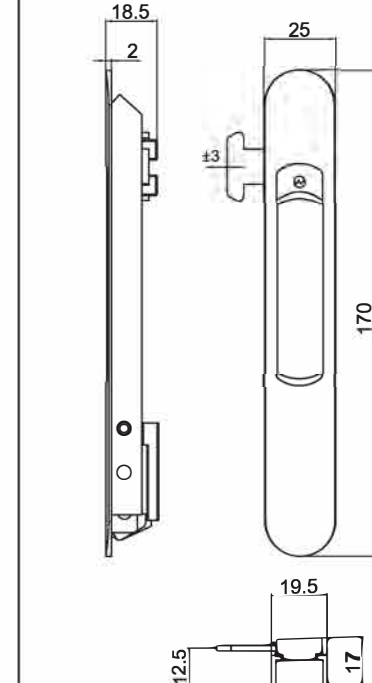
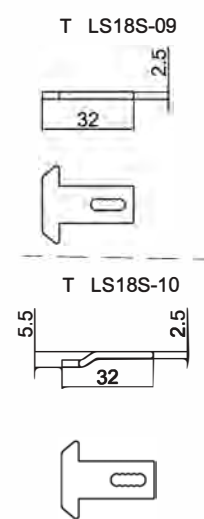
TLS16/TLS16K

- ◆ Manual lock with safety buckle

Patented Product

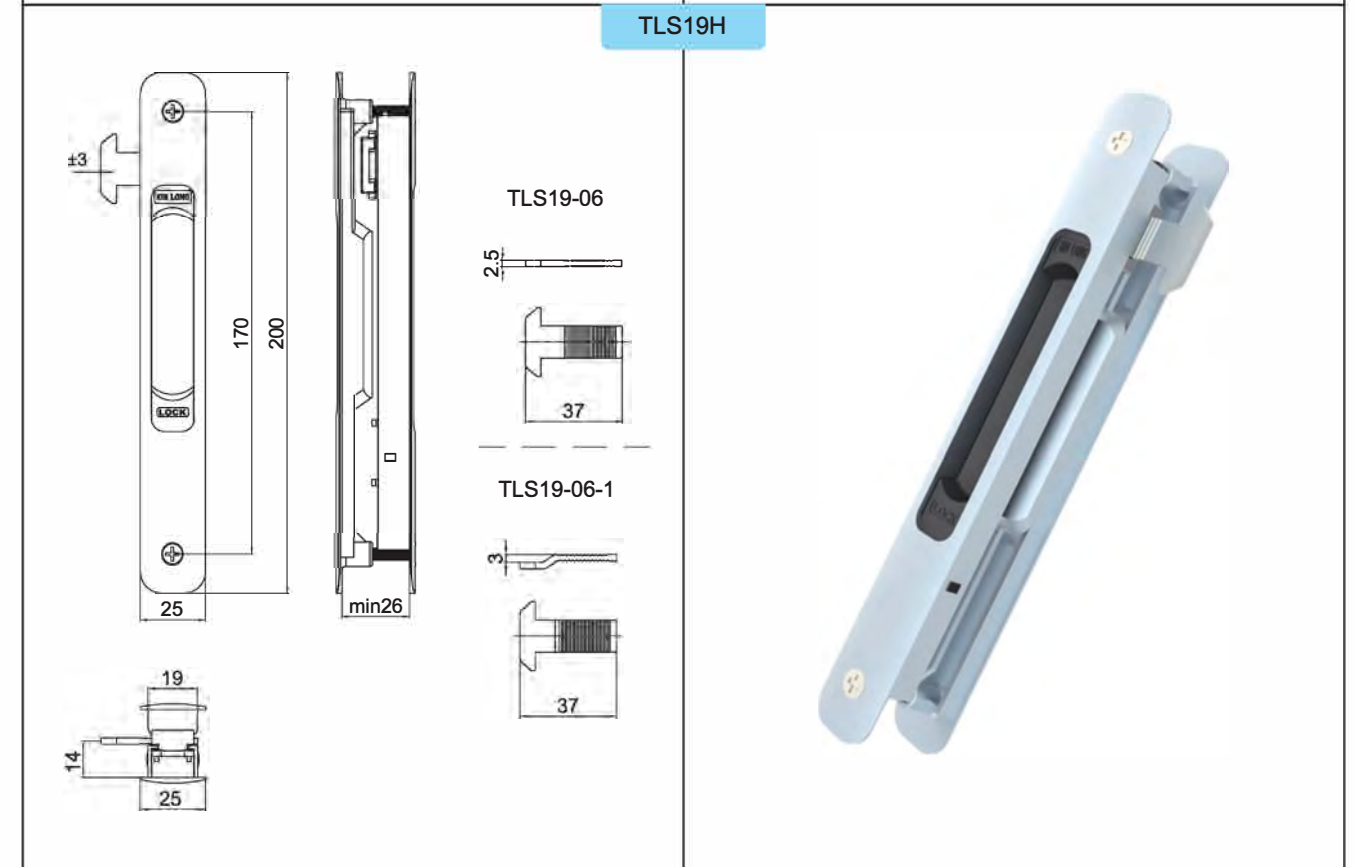
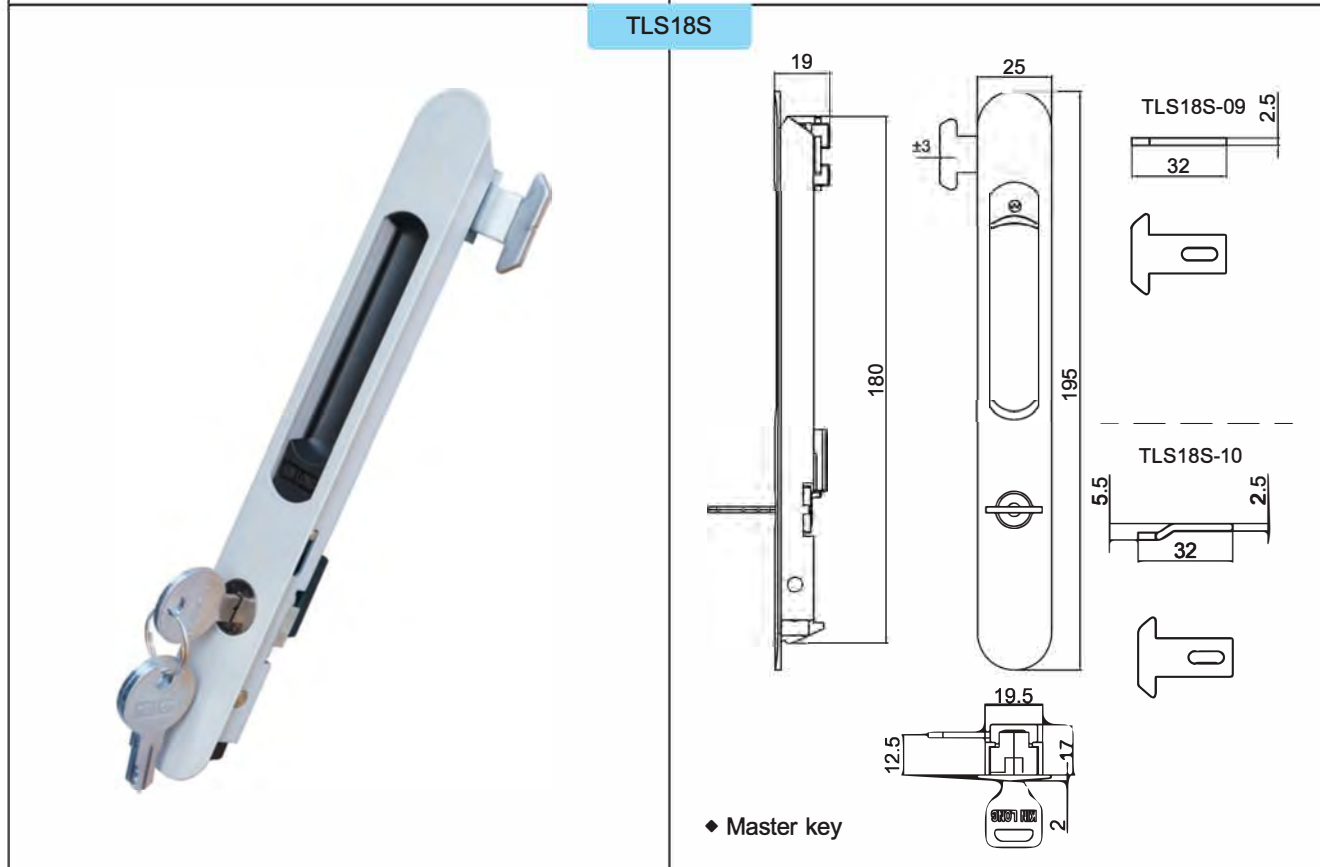
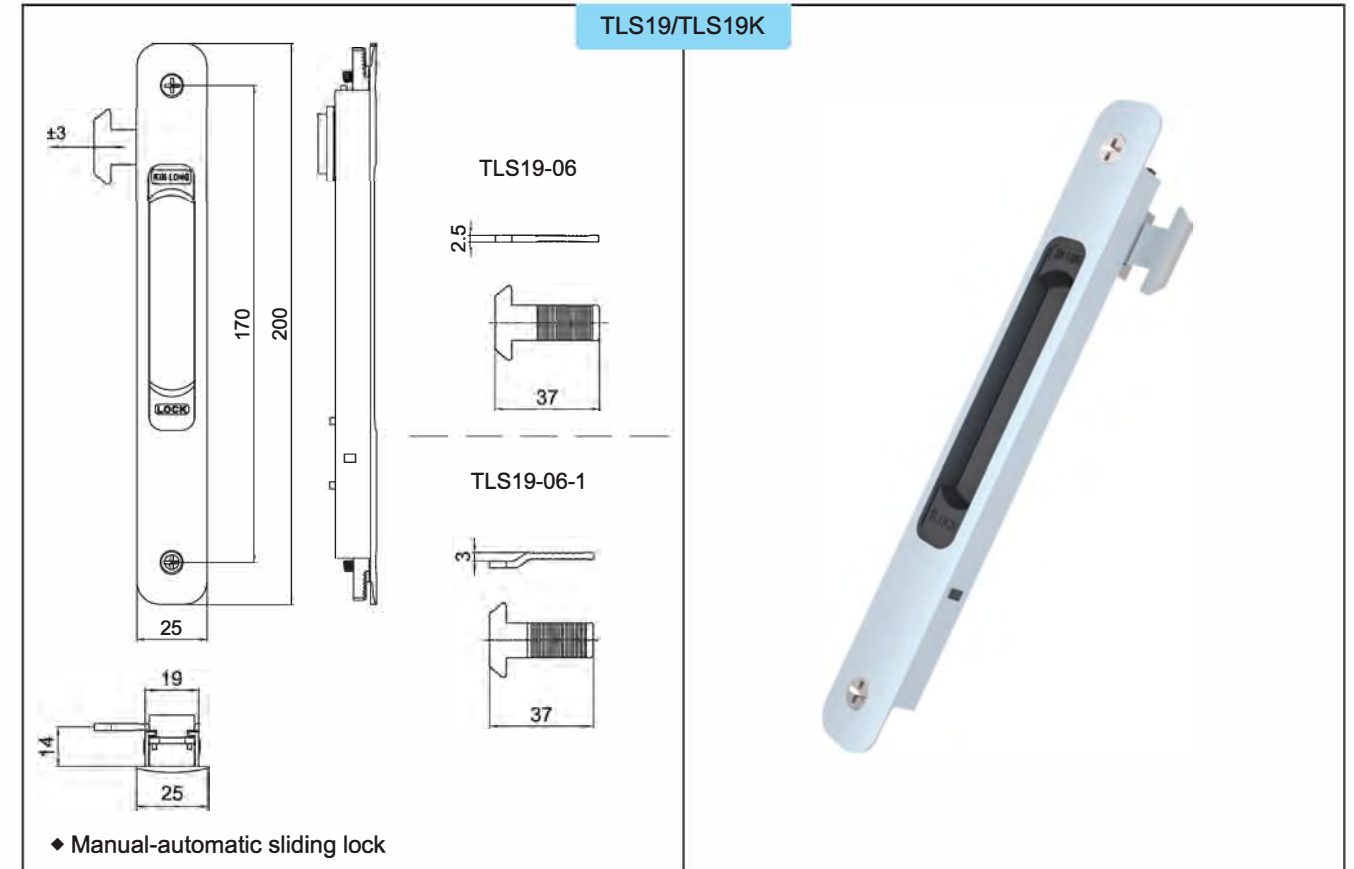
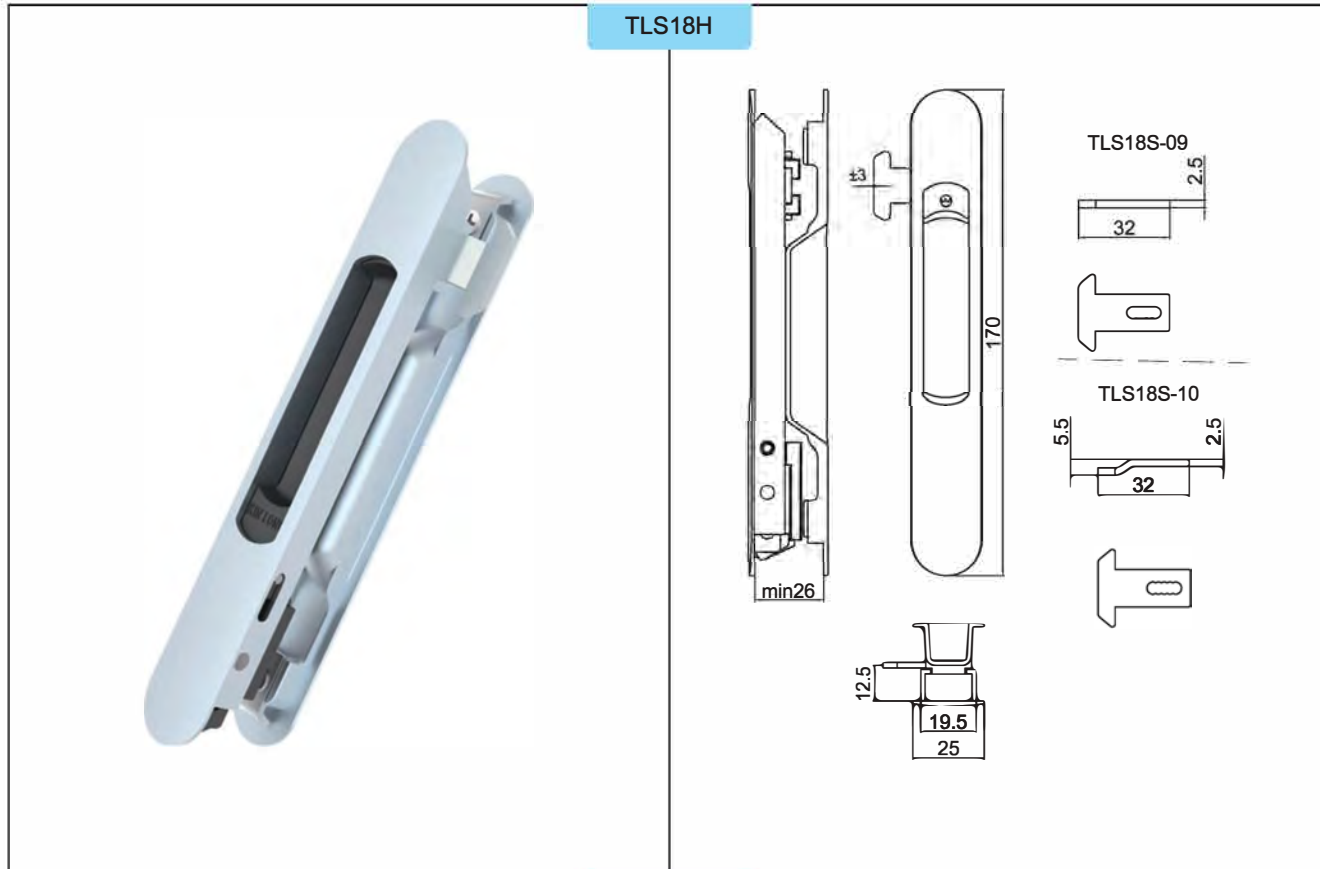
TLS18/TLS18K

Patented Product

Sliding Lock Series


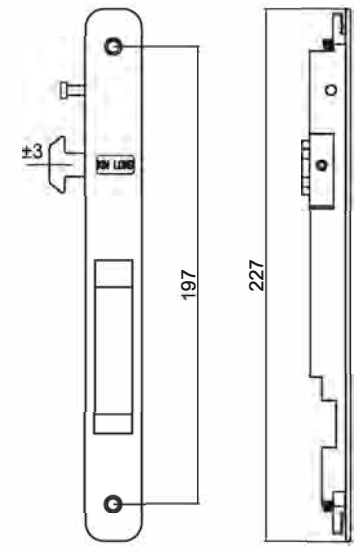
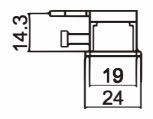
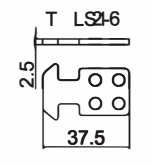
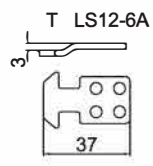
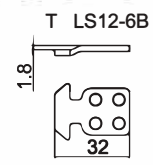
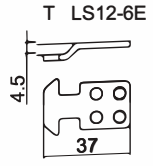
Sliding Lock Series



Sliding Lock Series


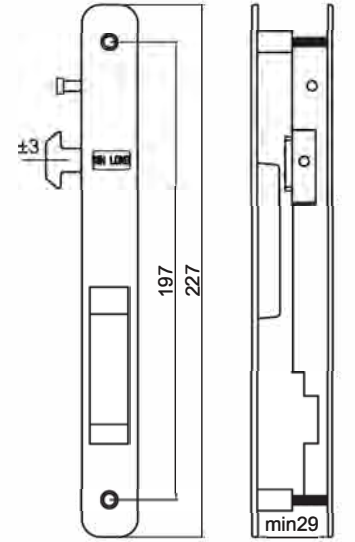

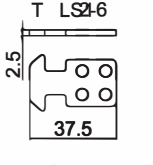
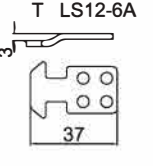
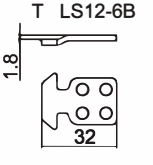
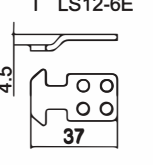
Sliding Lock Series

TLS20


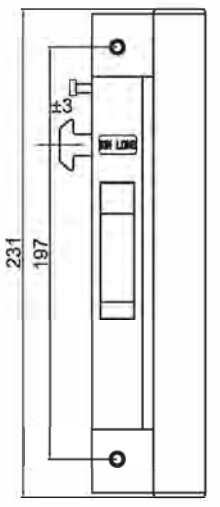
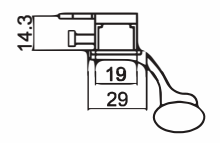
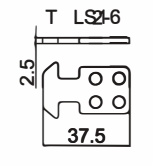
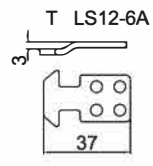
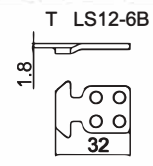
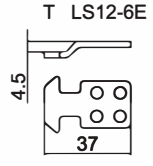
◆ Anti-misoperation sliding lock

TLS20H


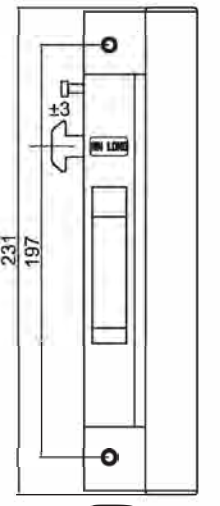
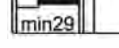
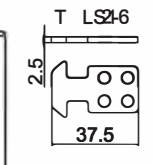
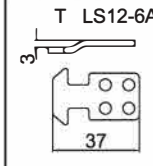
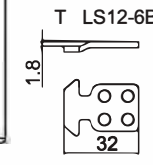
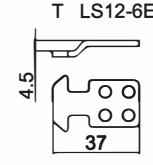
◆ Select screws according to the profile thickness
◆ Anti-misoperation sliding lock

TLS20L

◆ Anti-misoperation sliding lock

TLS20HL


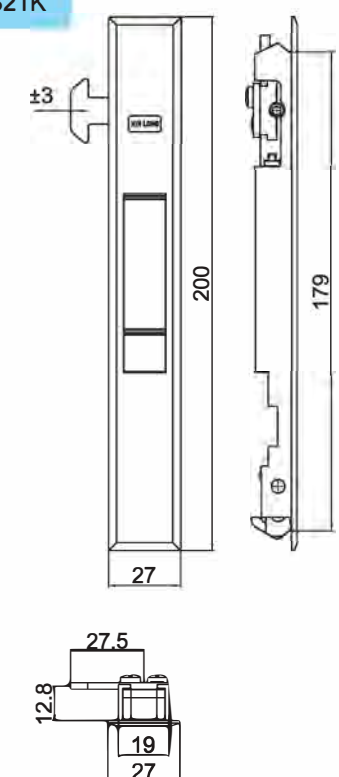








◆ Select screws according to the profile thickness
◆ Anti-misoperation sliding lock

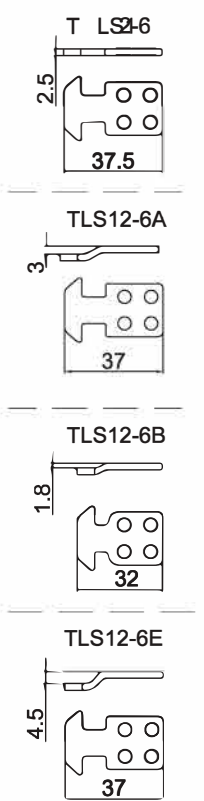
Sliding Lock Series

Sliding Lock Series


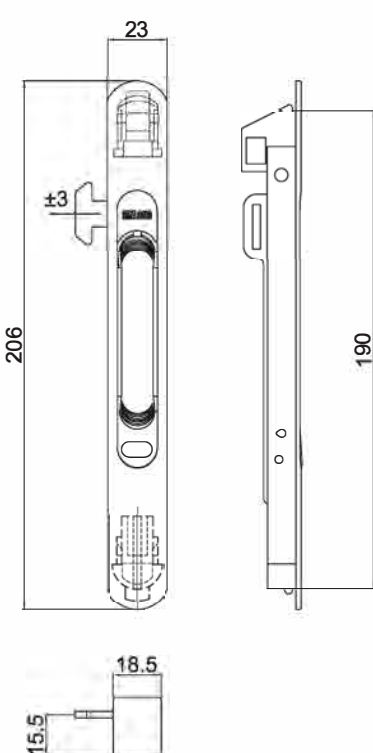
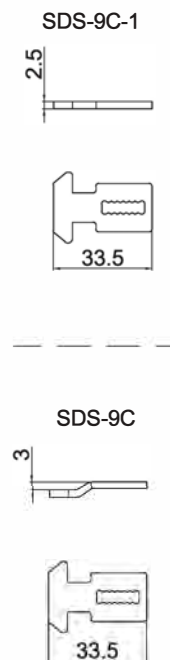
TLS21/TLS21K

Manual lock with safety buckle


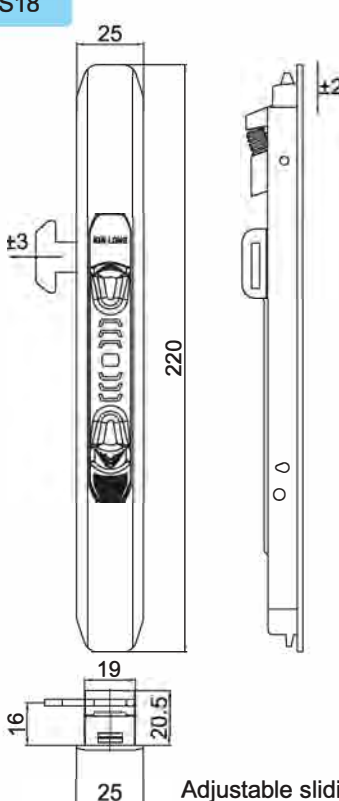


SDS10/I, ZDS10/I

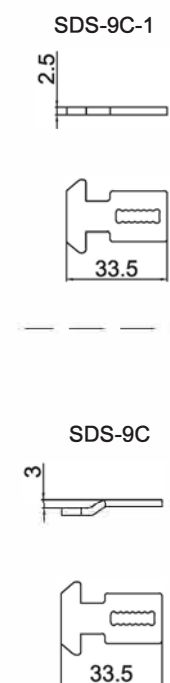




Recommended Product by Committee of Construction Door&Window Hardware

SDS18/ZDS18


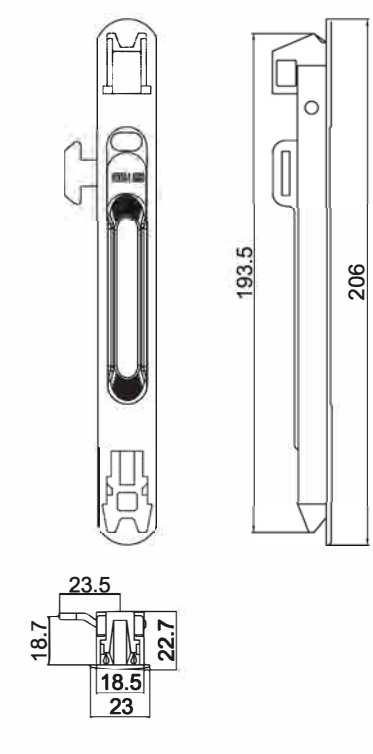
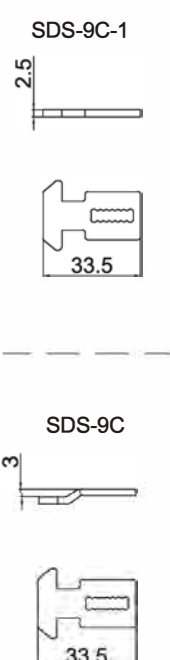
Adjustable sliding lock, hole-drilling error is within ±2mm



Patented Product

Recommended Product by Committee of Construction Door&Window Hardware

SDS10/II, ZDS10/II


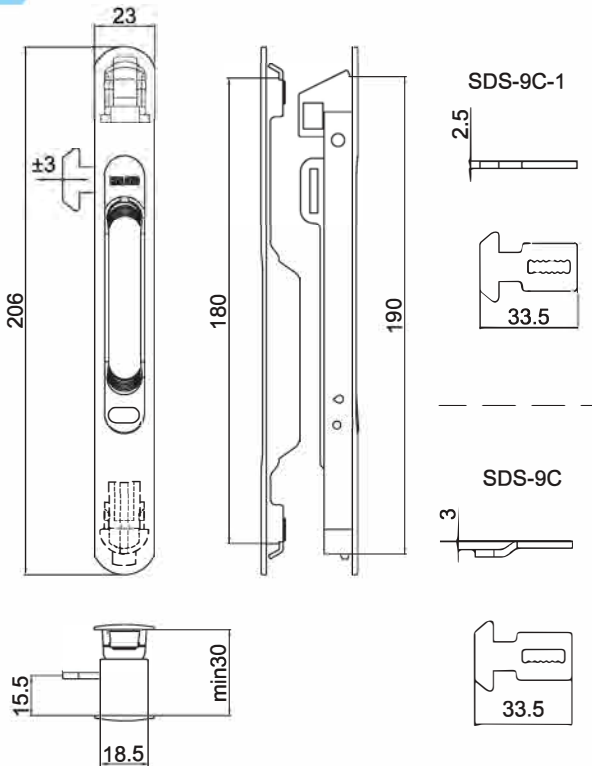




◆ Applicable to profile wall thickness 1.2mm-3.5mm


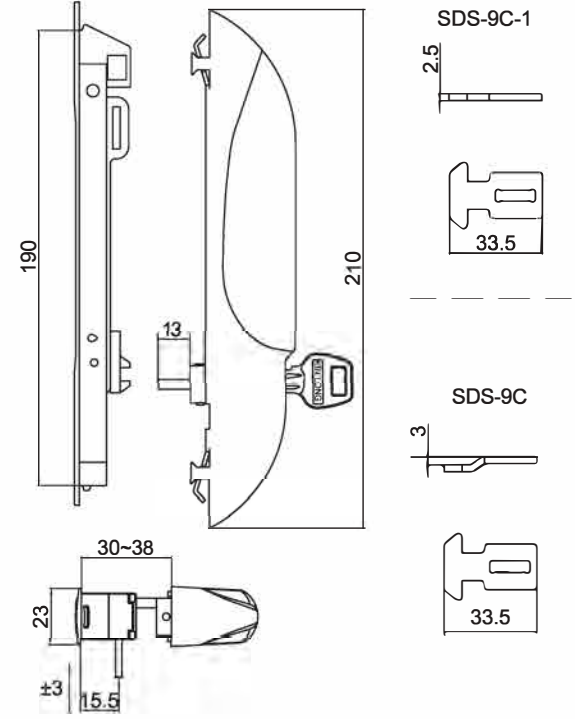
Sliding Lock Series

Sliding Lock Series

SDS10H/I


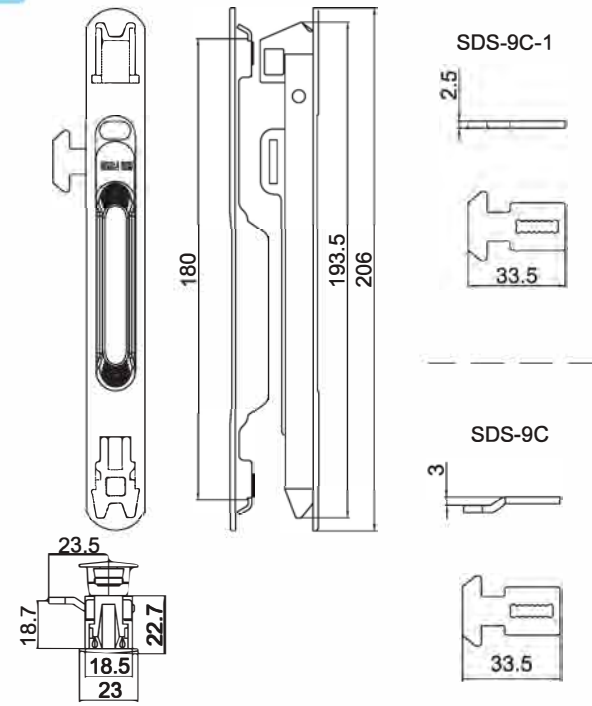



SDS10HS/SDS10HSC


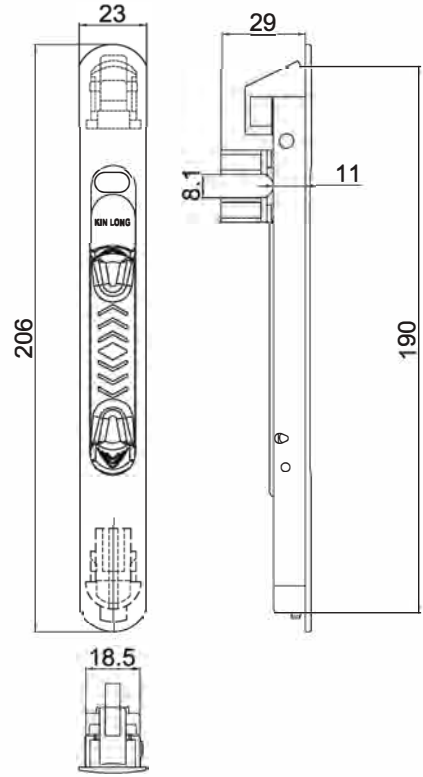
- ◆ Non-master key
- ◆ SDS10HSC without key.

SDS10H/II

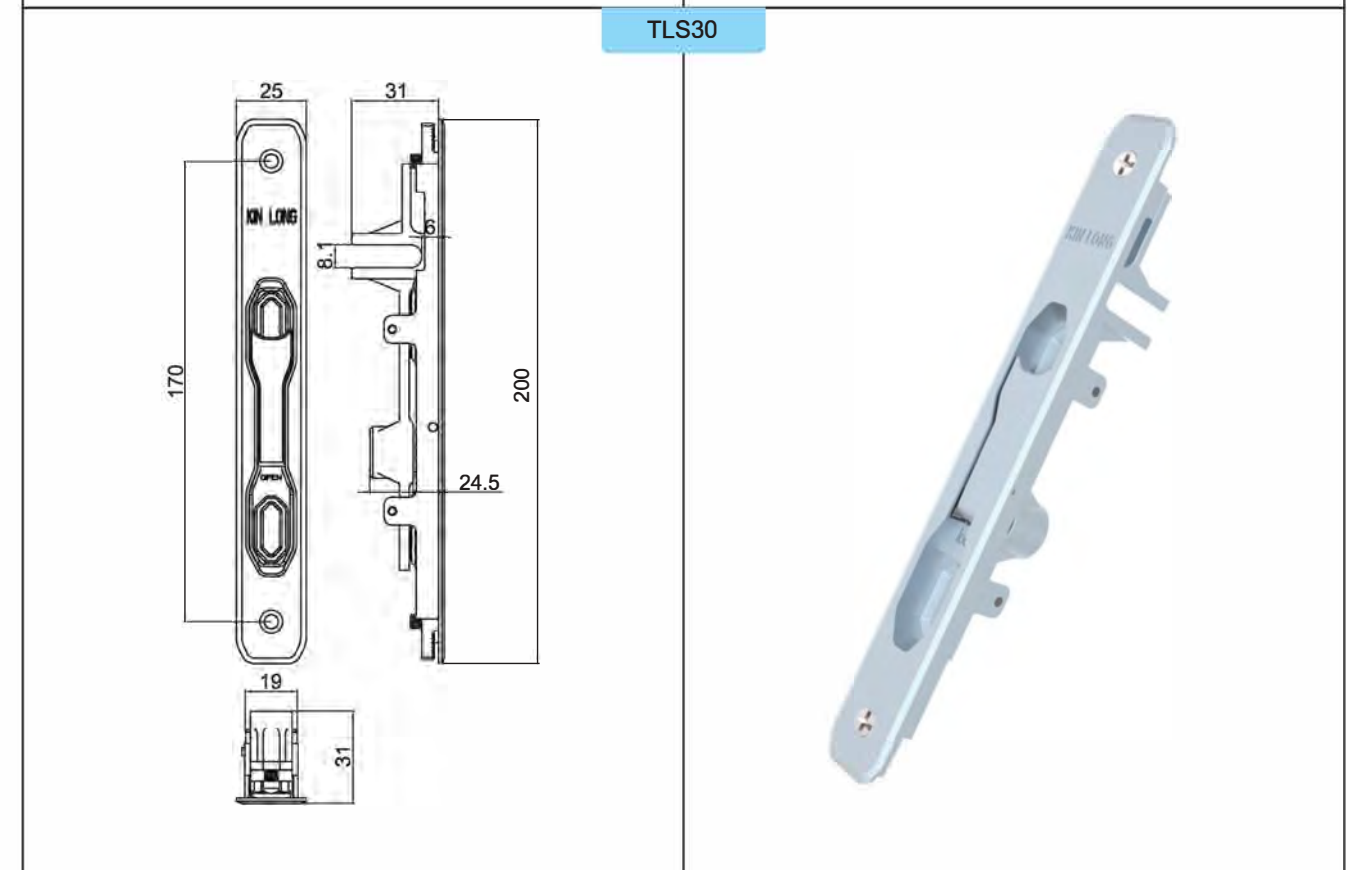
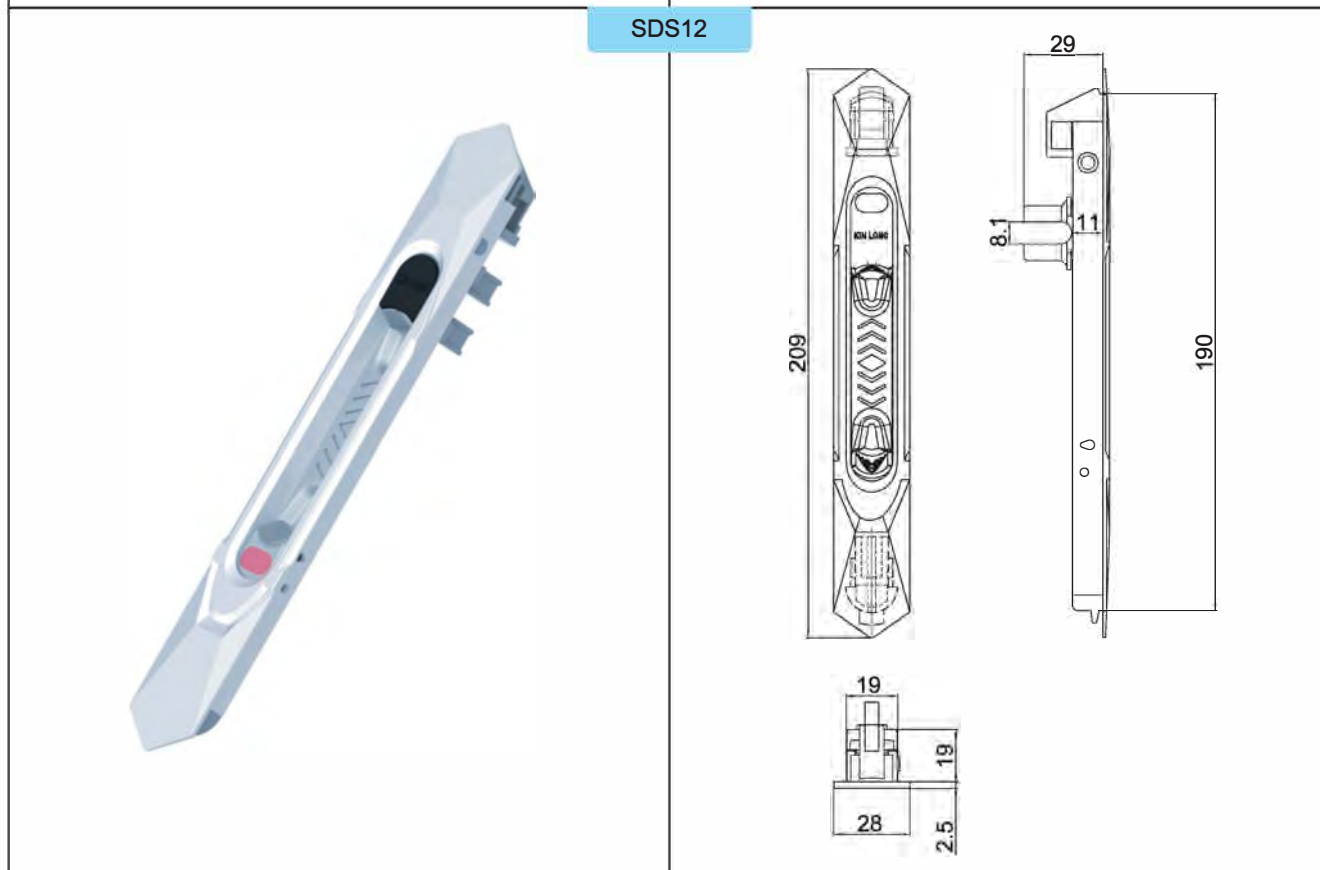
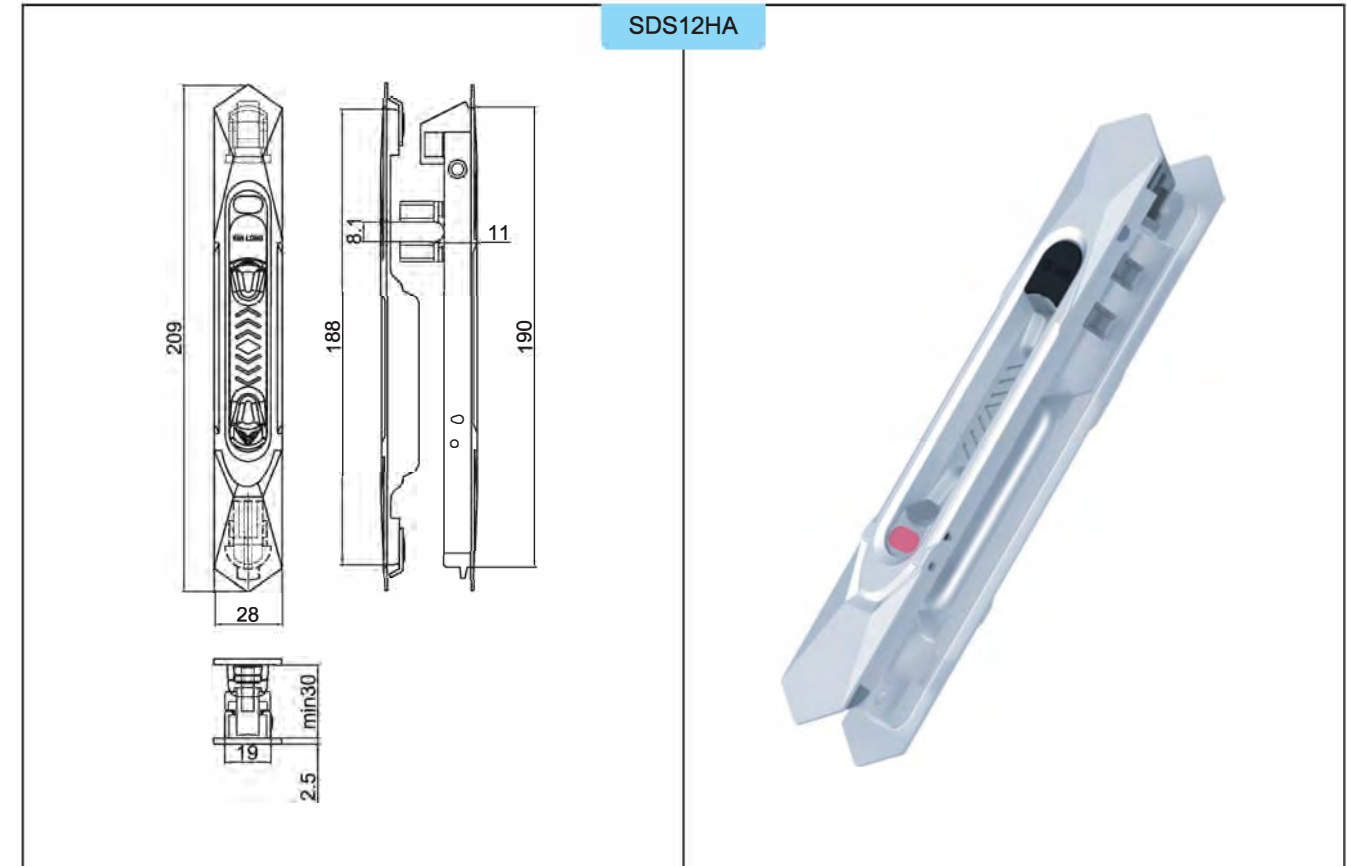
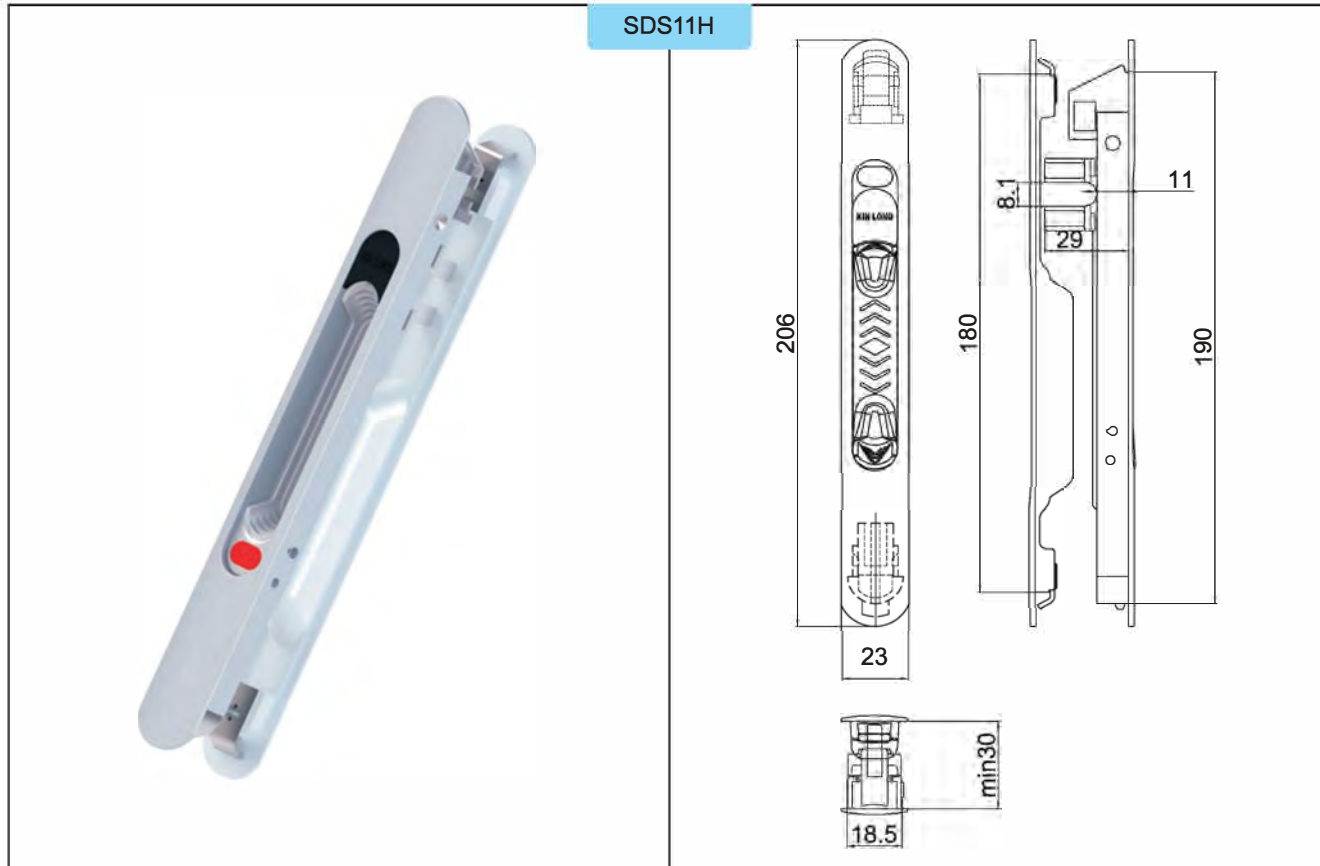
- ◆ Applicable to profile wall thickness 1.2mm-3.5mm

SDS11


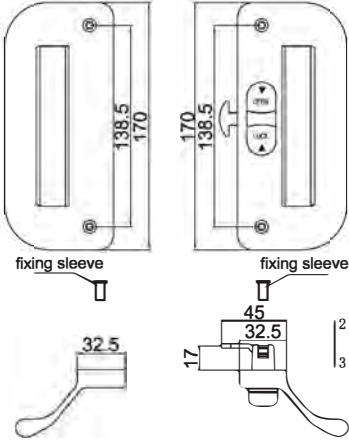

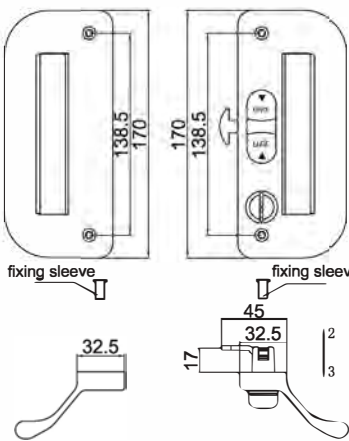

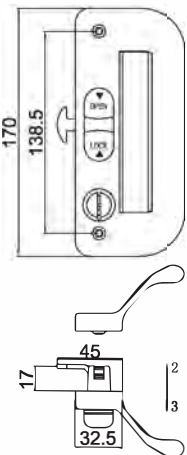
Sliding Lock Series

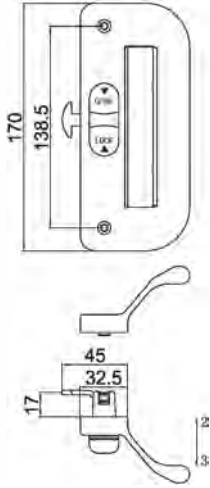

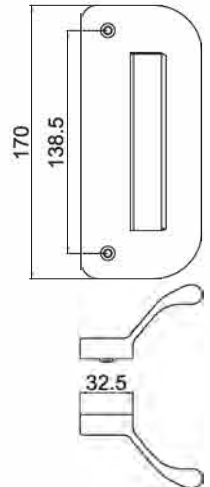

Sliding Lock Series



Sliding Lock Series


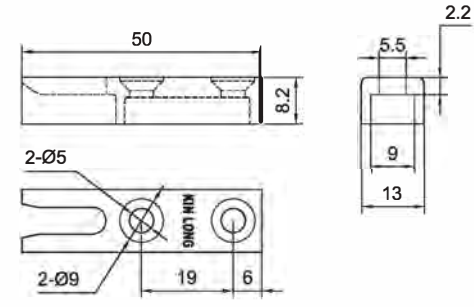

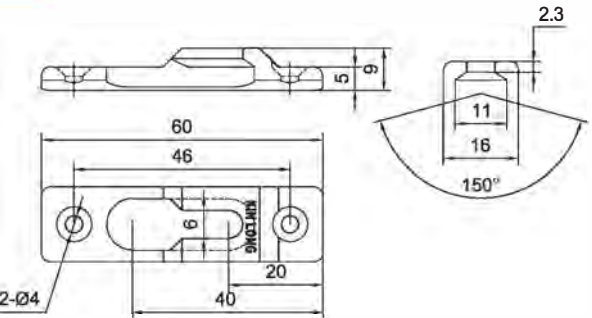

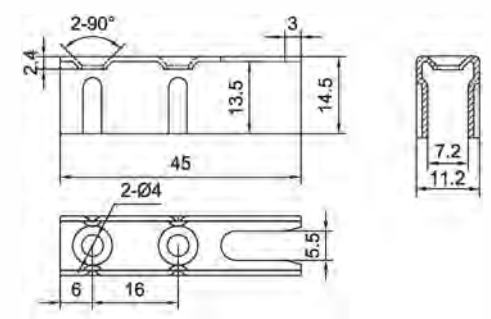

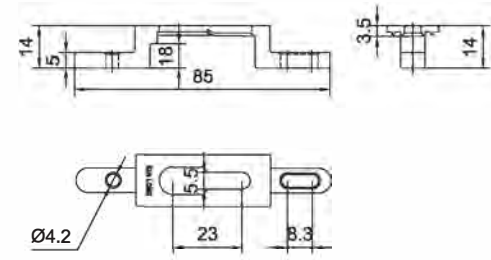
Sliding Lock Series


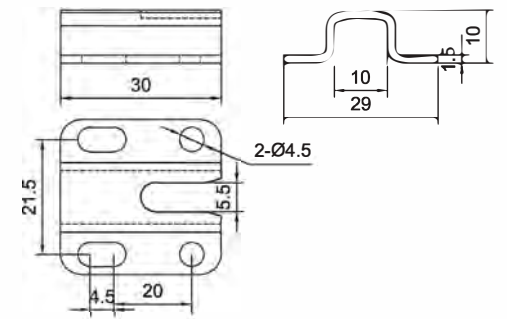

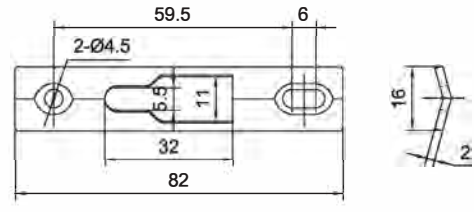

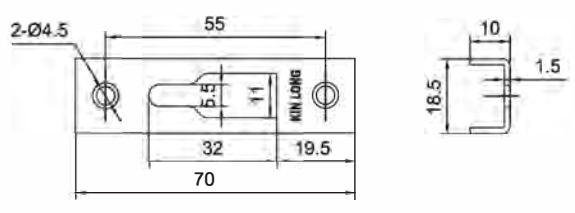

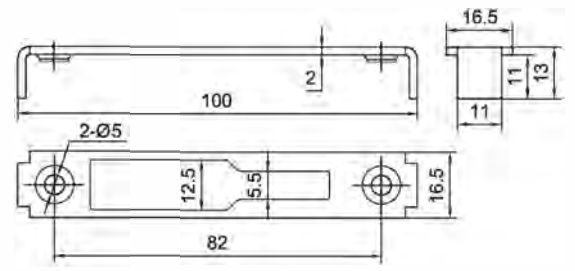
	<p>DLS10</p>  <ul style="list-style-type: none"> ◆ Left & Right, Choose the screws according to the profile thickness. ◆ Use the Fixing Sleeve to fix the handle when only single side handle to be chosen.
	<p>DLS10S</p>  <ul style="list-style-type: none"> ◆ Left & Right, Choose the screws according to the profile thickness. ◆ Use the Fixing Sleeve to fix the handle when only single side handle to be chosen. ◆ Non-Master key
	<p>DLS10HS</p>  <ul style="list-style-type: none"> ◆ Left & Right, Choose the screws according to the profile thickness. ◆ Non-Master Key ◆ According to the sash profile width and the position of the shim, adjust the center distance of the lock hook

	<p>DLS10H/I</p>  <ul style="list-style-type: none"> ◆ Left & Right, Choose the screws according to the profile thickness. ◆ According to the sash profile width and the position of the shim, adjust the center distance of the lock hook
	<p>DLS10H/II</p>  <ul style="list-style-type: none"> ◆ Choose the screws according to the profile thickness.

Locking Plate Series


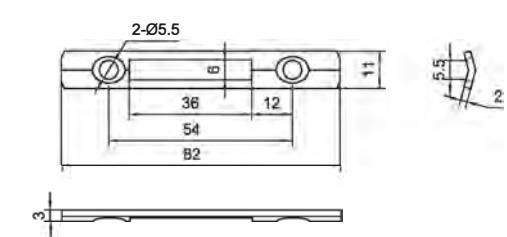

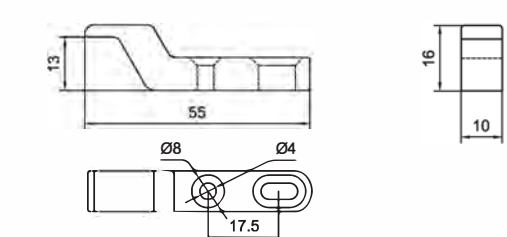

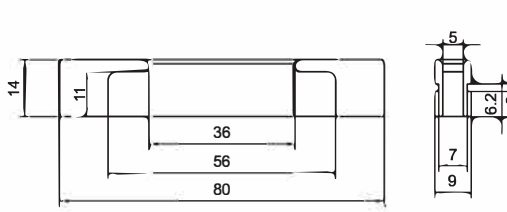

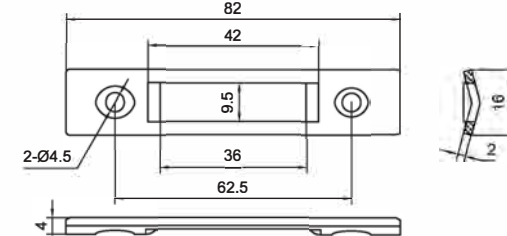
Locking Plate Series


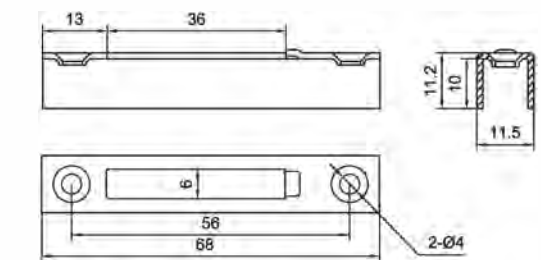

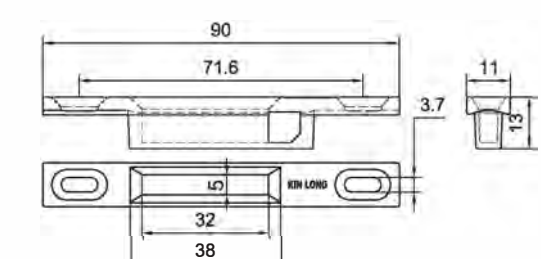

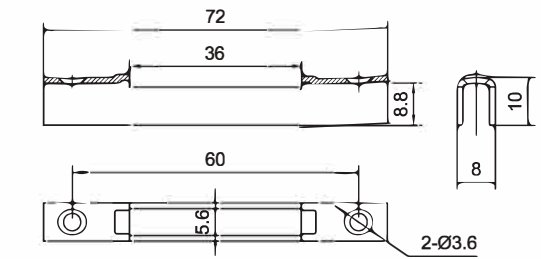

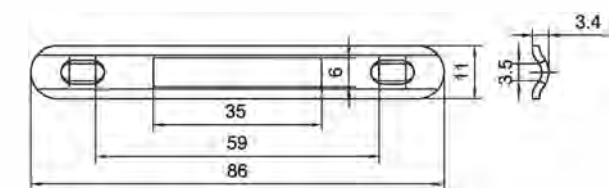
	<p>U03C</p> 
	<p>U05</p> 
	<p>U07</p> 
	<p>U09</p> 

	<p>U10</p> 
	<p>U15</p> 
	<p>U40</p> 
	<p>U41</p> 

Locking Plate Series


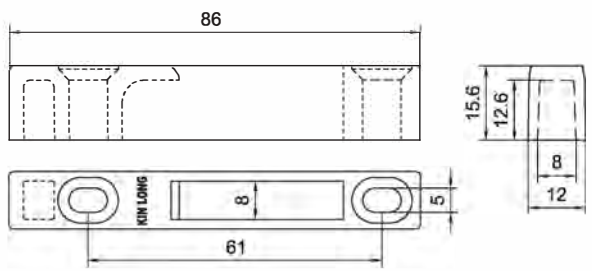

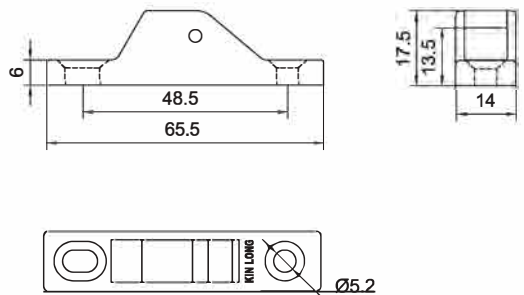

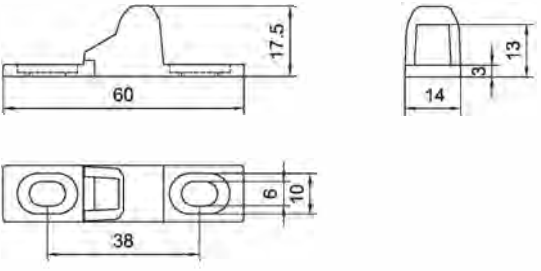
Locking Plate Series

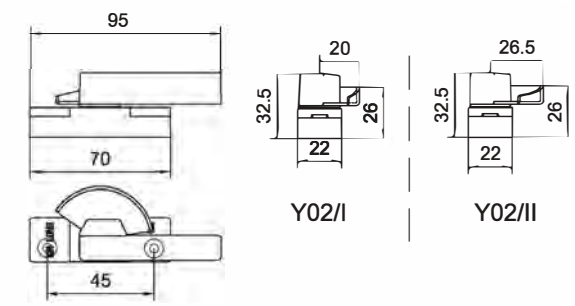

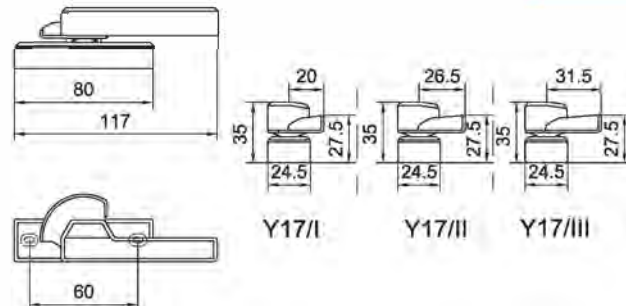

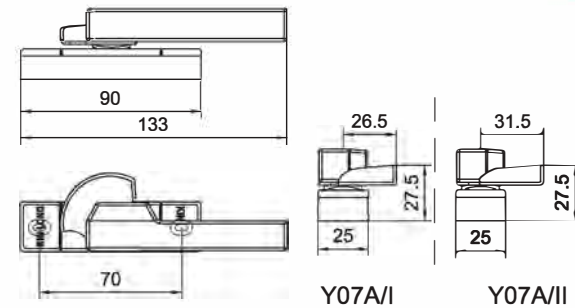

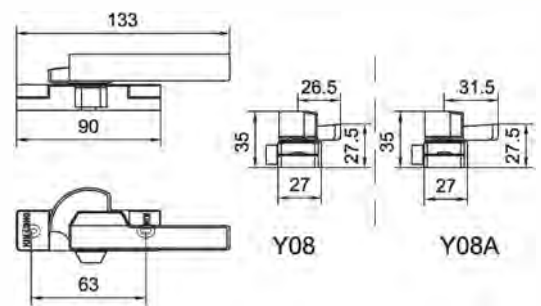

	<p>TLK-11A</p> 
	<p>TLK-13B</p> 
	<p>TLK-14</p> 
	<p>TLK15A</p> 

	<p>TLK16</p> 
	<p>TLK17</p> 
	<p>TLK19</p> 
	<p>TLK21</p> 

Locking Plate Series


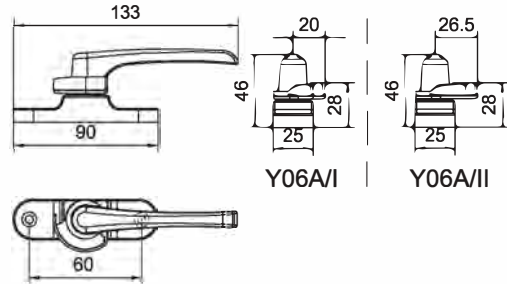

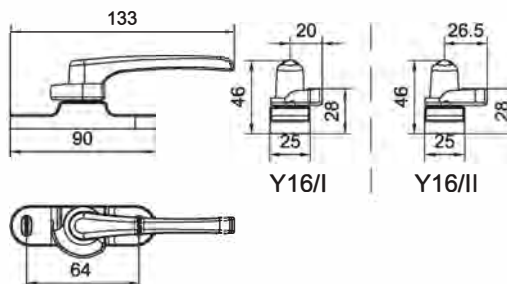

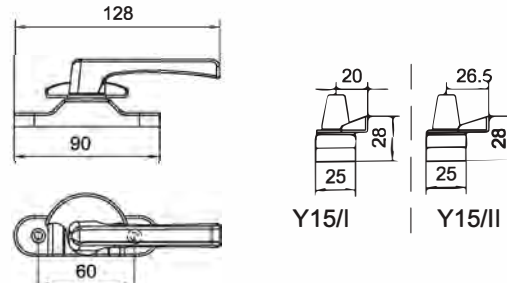

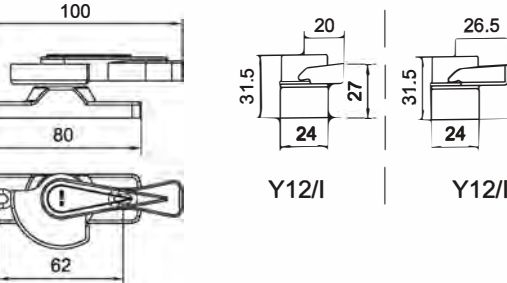
Crescent Lock Series

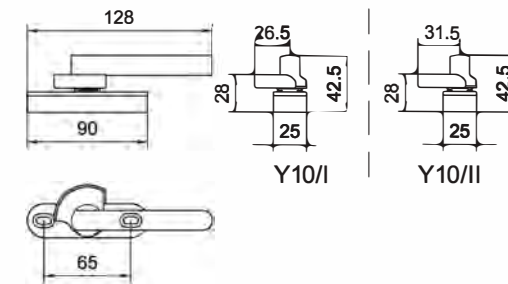

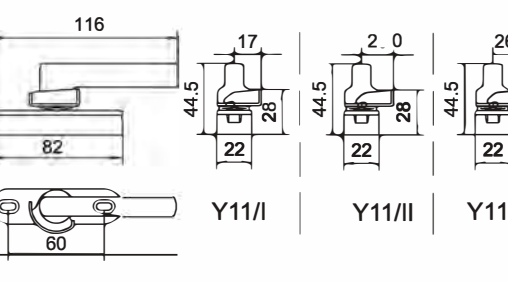

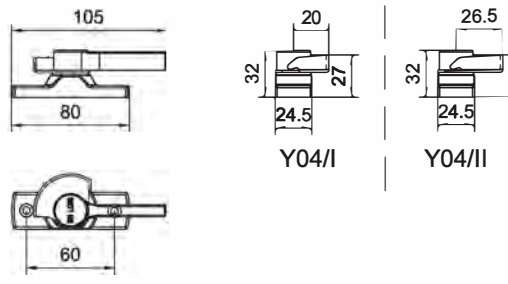

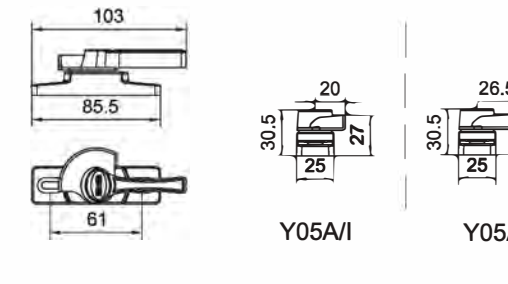

	<p>TLK40</p> 
	<p>TFK01</p>  <p>◆ Anti-strike lock hook, Match with Manual lock only</p>
<p>Patented Product</p> 	<p>SDS-1A</p> 

 <p>Y02/I, Y02/II</p> <p>◆ Left & Right</p>	
 <p>Y17/I, Y17/II, Y17/III</p> <p>◆ Left & Right</p>	
 <p>Y07A/I, Y07A/II</p> <p>◆ Left & Right</p>	
 <p>Y08, Y08A</p> <p>◆ Left & Right</p>	

Crescent Lock Series


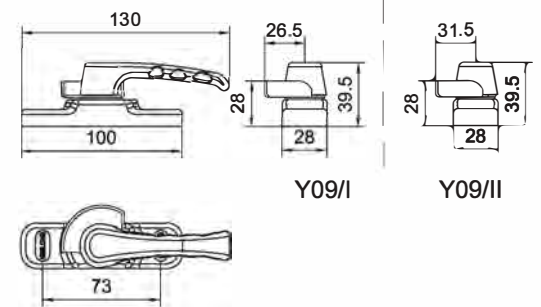

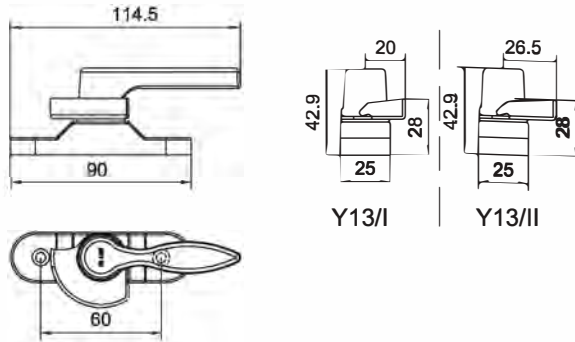

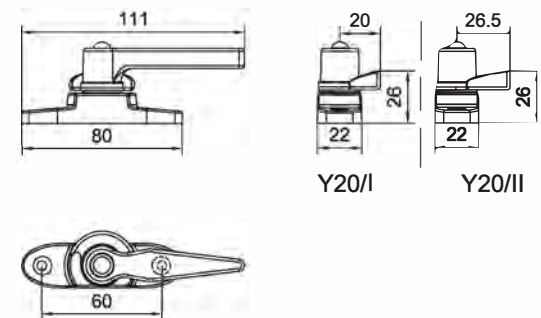
Crescent Lock Series

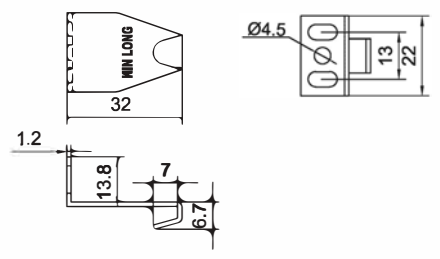

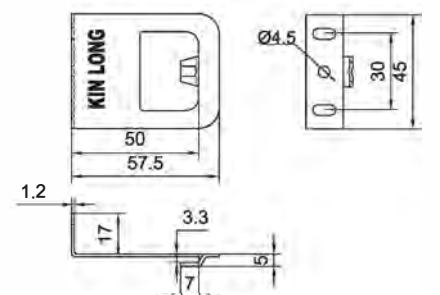

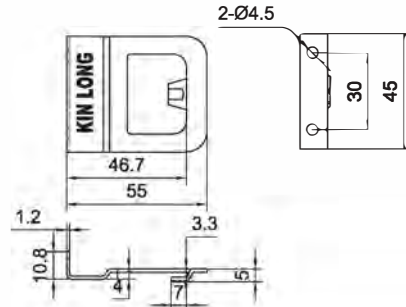

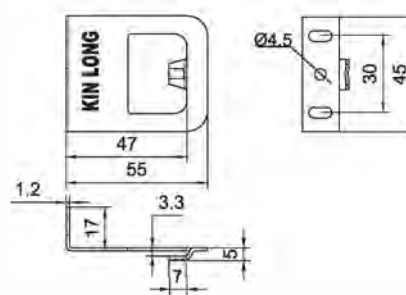

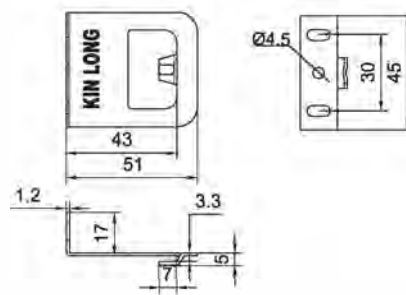

	<p>Y06A/I, Y06A/II</p>  <p>◆ Left & Right</p>
	<p>Y16/I, Y16/II</p>  <p>◆ Left & Right</p>
	<p>Y15/I, Y15/II</p>  <p>◆ Left & Right</p>
 <p>Patented Product</p>	<p>Y12/I, Y12/II</p>  <p>◆ Left & Right</p>

 <p>◆ Left & Right</p>	<p>Y10/I, Y10/II</p>  <p>Patented Product</p>
 <p>◆ Left & Right</p>	<p>Y11/I, Y11/II, Y11/III</p> 
 <p>◆ Left & Right</p>	<p>Y04/I, Y04/II</p> 
 <p>◆ Left & Right</p>	<p>Y05A/I, Y05A/II</p> 

Crescent Lock Series


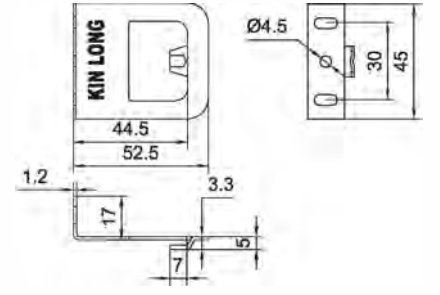

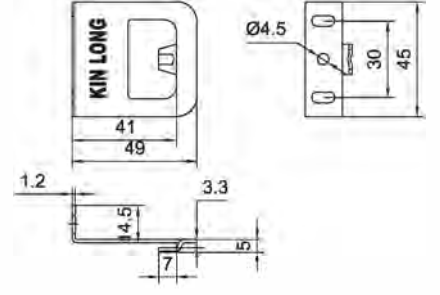

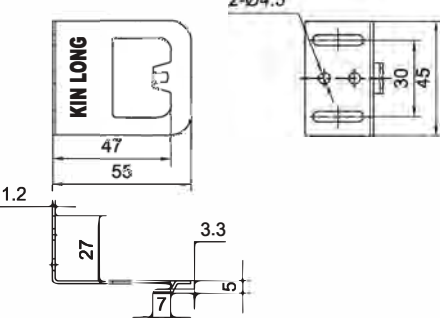

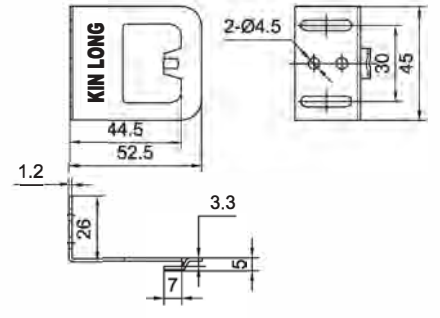

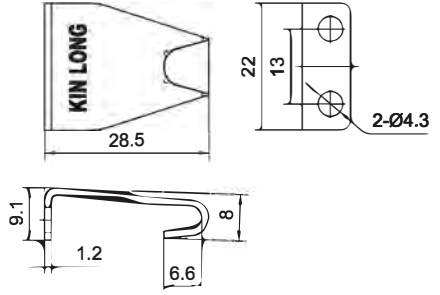
Sliding Window Lock Hook Series


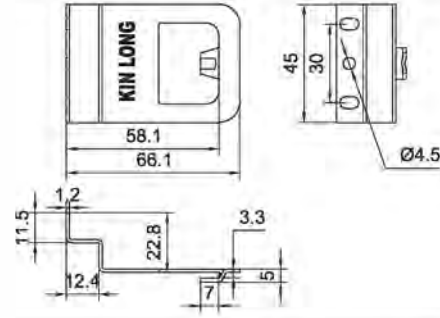

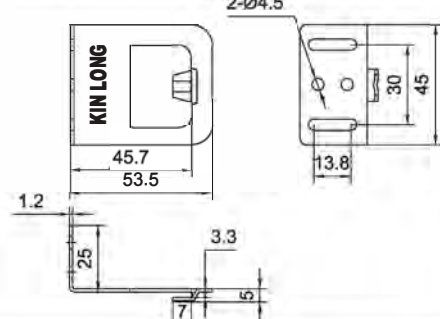

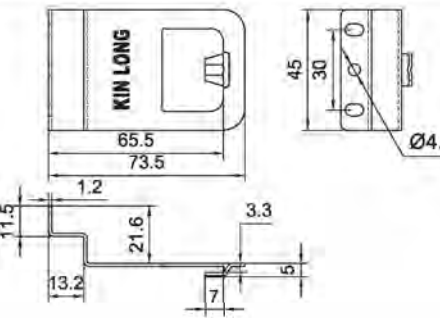

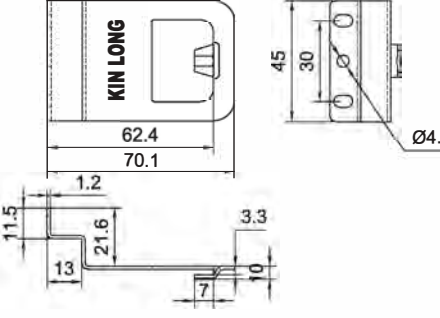

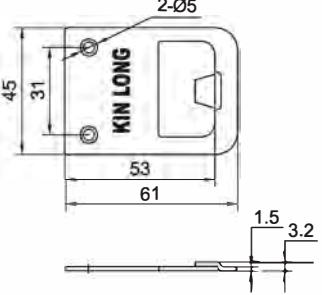
 <p>Patented Product</p>	<p>Y09/I - Y09/II</p>  <p>Y09/I Y09/II</p> <p>◆ Left & Right</p>
 <p>Patented Product</p>	<p>Y13/I - Y13/II</p>  <p>Y13/I Y13/II</p> <p>◆ Left & Right</p>
 <p>Patented Product</p>	<p>Y20/I - Y20/II</p>  <p>Y20/I Y20/II</p> <p>◆ Non-Left & Right</p>

	<p>Y05-10A</p> 
	<p>Y05-12A</p> 
	<p>Y05-13A</p> 
	<p>Y05-17A</p> 
	<p>Y05-18A</p> 

Sliding Window Lock Hook Series

Sliding Window Lock Hook Series

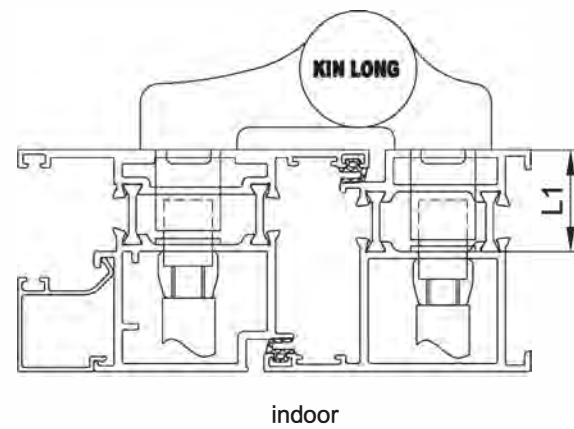
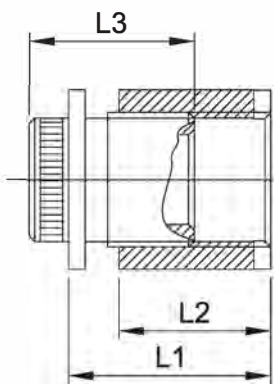
	<p>Y05-19A</p>	
	<p>Y05-20A</p>	
	<p>Y05-21</p>	
	<p>Y05-22</p>	
	<p>Y05-23A</p>	

	<p>Y05-24</p>	
	<p>Y05-25</p>	
	<p>Y05-26</p>	
	<p>Y05-28</p>	
	<p>Y05-30</p>	

Accessory Series Supporting Rod



- ◆ Stainless Steel Supporting Rod can prevent the profile from damage when installing the hinges.
- ◆ Rotating rod can be adjustable to different height according to different profile cavity
- ◆ Suitable for LHD/LHE hinges

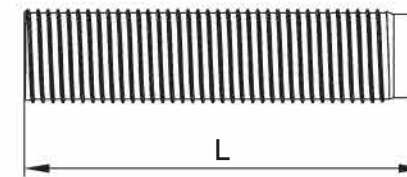


Item code	L1	L2	L3
ZCG12	12~15	10.5	14.7
ZCG15	15~18	13.5	14.7
ZCG18	18~26	16.5	17.7
ZCG26	26~35	24.5	17.7

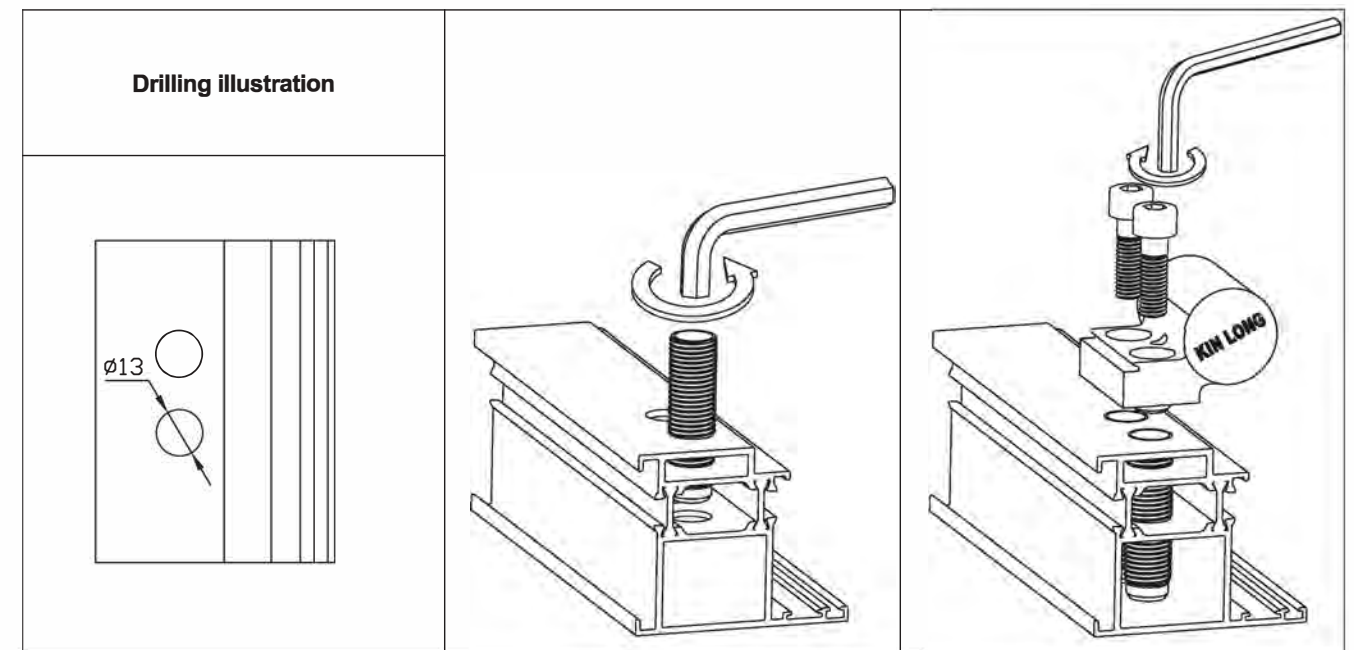
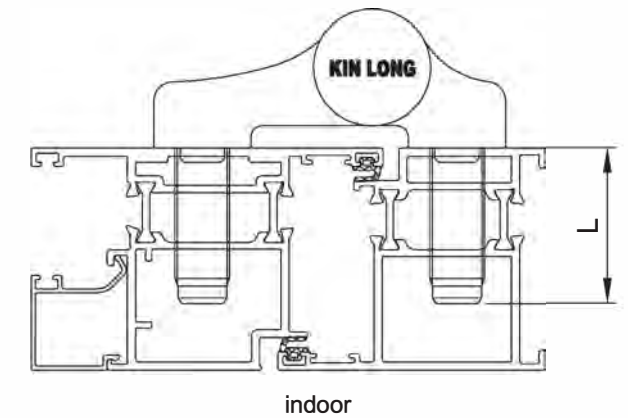
Accessory Series Fixing Bolt



- ◆ 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



Accessory Series

KMQ10-K



- ◆ Centre distance of the position hole can be customized according to profile
- ◆ Portable design, symmetrical installation holes can be customized according to profile
- ◆ Mainly applied in punching holes on frames when installing LHD25/LHE25 hinges

KMQ10-S



- ◆ Centre distance of the position hole can be customized according to profile
- ◆ Portable design, symmetrical installation holes can be customized according to profile
- ◆ Mainly applied in punching holes on sashes when installing LHD25/LHE25 hinges

KMQ20-K



- ◆ Centre distance of the position hole can be customized according to profiles.
- ◆ Portable design, symmetrical installation holes can be customized according to profiles
- ◆ Mainly applied in punching holes on frames when installing WK-D/WK-E hinges

Accessory Series

KMQ20-S



- ◆ Centre distance of the position hole can be customized according to profile
- ◆ Portable design, symmetrical installation holes can be customized according to profile
- ◆ Mainly applied in punching holes on sashes when installing WK-D/WK-E hinges

KMQ30-K



- ◆ Centre distance of the position hole can be customized according to profile
- ◆ Portable design, symmetrical installation holes can be customized according to profile
- ◆ Mainly applied in punching holes on frames when installing LHD55/LHE55, LHD60/LHE60, LHD63/LHE63, LHD68/LHE68, LHD93A/LHE93A, SHD63/SHE63hinges

KMQ30-S



- ◆ Centre distance of the position hole can be customized according to profiles.
- ◆ Portable design, symmetrical installation holes can be customized according to profiles
- ◆ Mainly applied in punching holes on sashes when installing LHD55/LHE55, LHD60/LHE60, LHD63/LHE63, LHD68/LHE68, LHD93A/LHE93A, SHD63/SHE63hinges

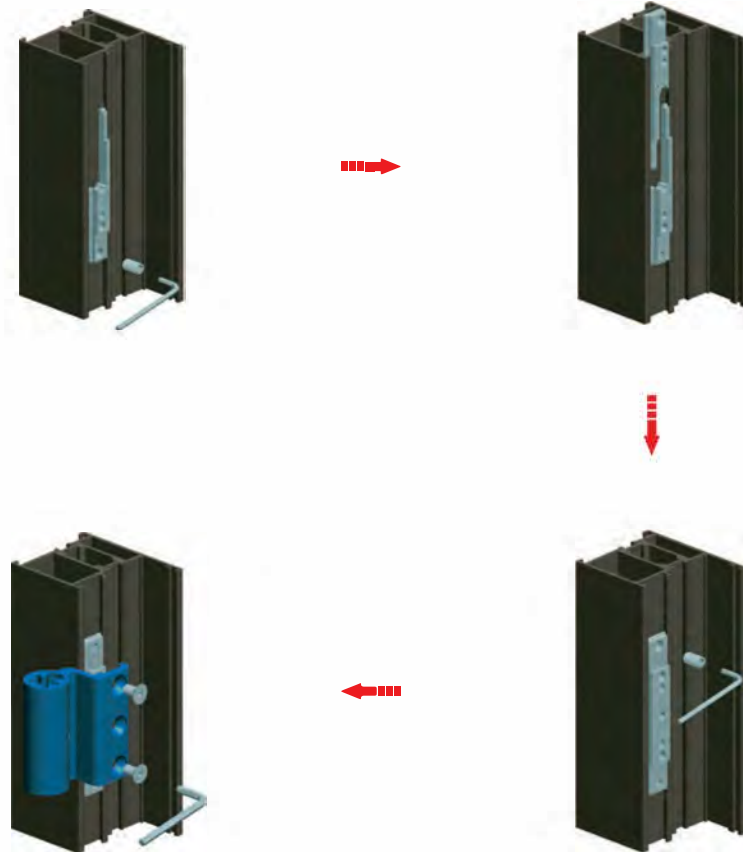
Part product Introduction

MJ16 Pivot Hinge



- ◆ Detachable clamping piece, no need to install before assembling the frames.
- ◆ Suitable for all kinds of Standard "C" groove.
- ◆ Improving the installing efficiency of pivot hinges.
- ◆ 3-D adjustable, effectively reduce installation error.
- ◆ Fixed by allen screws, easy installation, and firm enough.

Installation illustration of MJ16

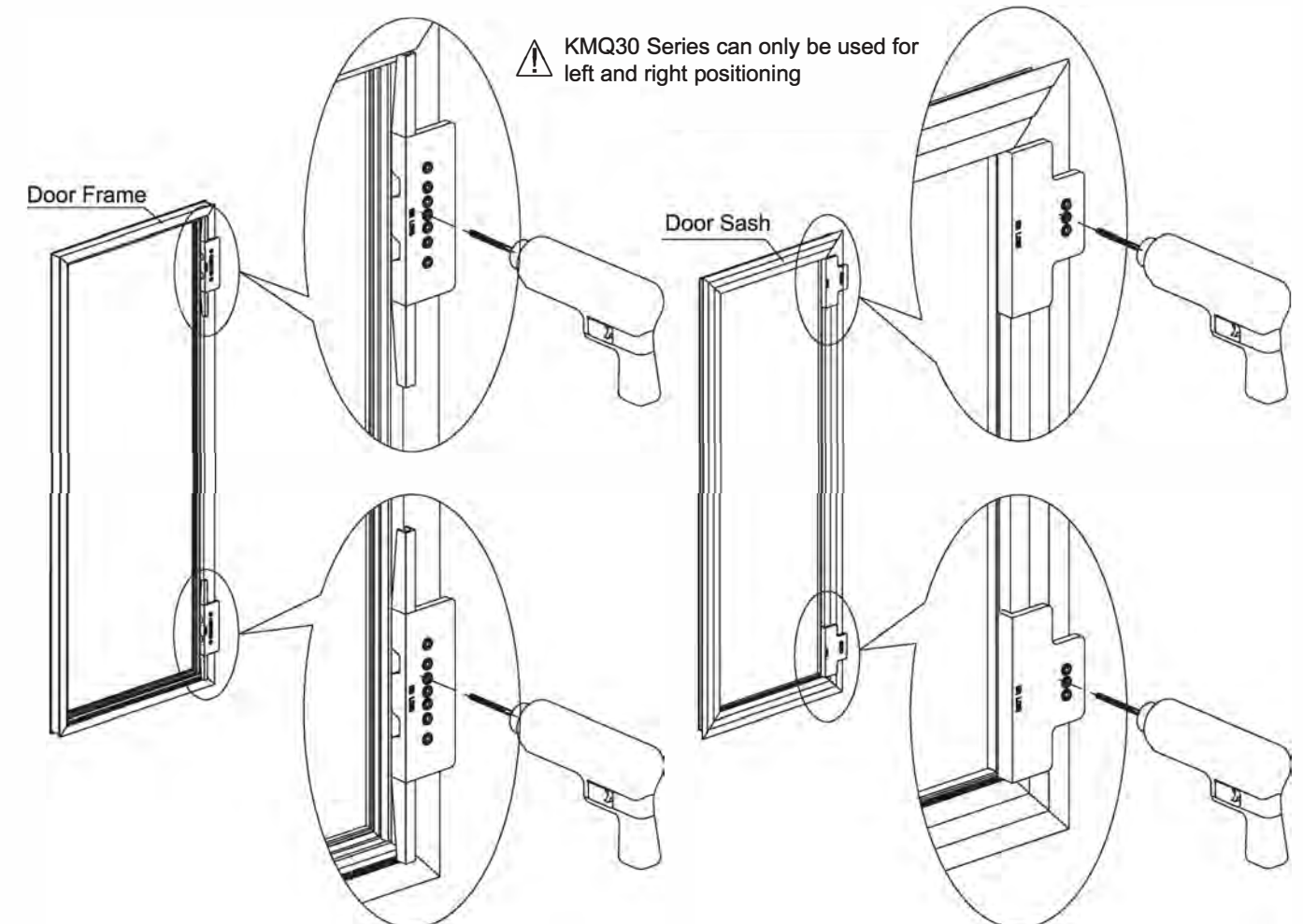


Part product Introduction

Duplicator KMQ10/KMQ20/KMQ30

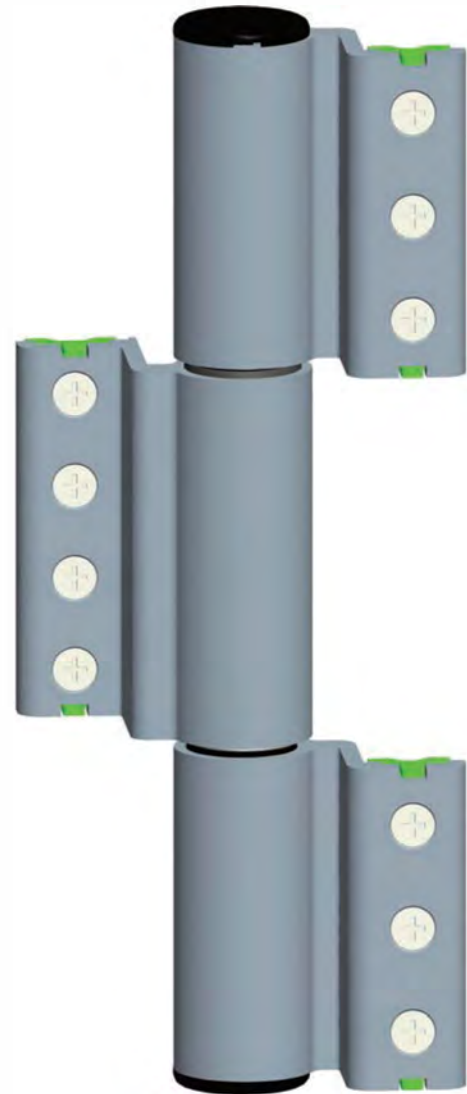


- ◆ Convenient-Use Design, need no screws to fix, and it can be customized.
- ◆ Suitable to all kinds of profiles, greatly improve the hinge installation efficiency, so it provides an excellent solution to cover the low-efficiency.



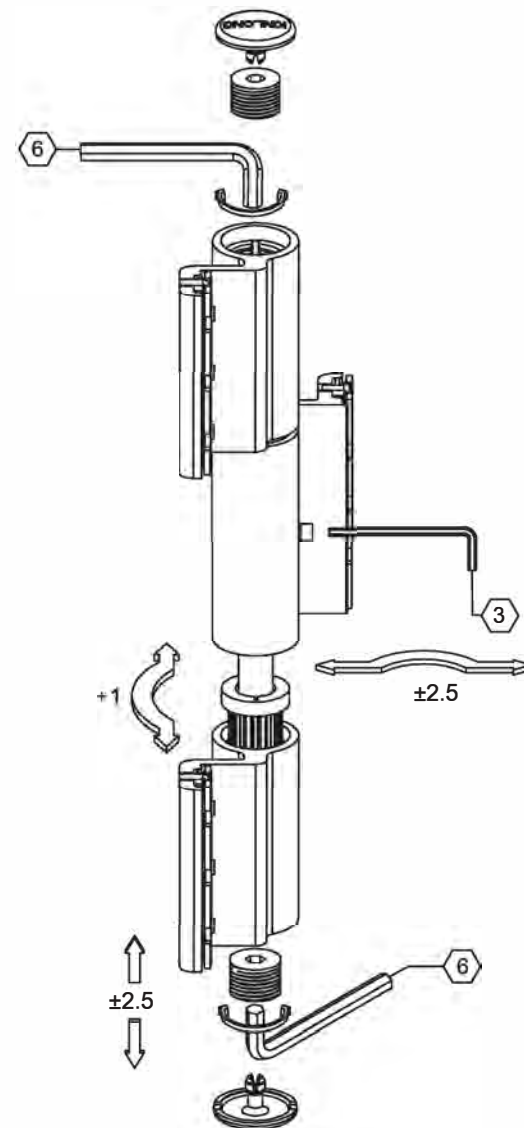
Part product Introduction

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.
- ◆ Hinge of top bearing with Max bearing capacity of 200KG.
- ◆ 3-D adjustable function effectively reduces installation error
- ◆ designed fixing screws with the profile guarantee the high bearing capacity.

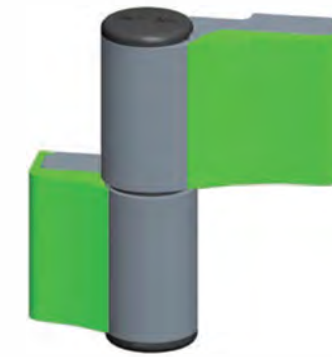
MJ20 adjust illustration



★ 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

Door hinge LHD60/LHE60



- ◆ Adjustable left&right, bearing capacity is 150KG
- ◆ LHD60 is used on side-hung door with frame and sash in the same level while LHE60 is used on the side-hung door with frame and sash height difference of 8-10mm.
- ◆ 3-D adjustable (adjusting method is same as hinges like (LHD63 MJ15A))
- ◆ Full-covered design makes the hinge stream and beautiful.
- ◆ Two ways of aluminum bar or fixing screws to fix.

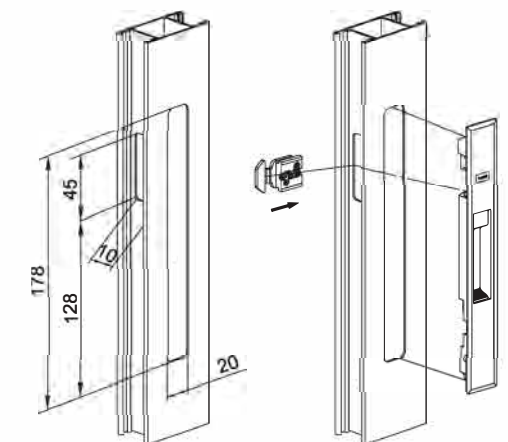
Sliding lock TLS21/TLS21K



- ◆ Square and modest appearance makes it solid and reliable
- ◆ Buckle design makes the screws invisible
- ◆ Comfortable operation with moderate strength
- ◆ Manual lock adopting reliable anti-theft design increases users' safety.

TLS21, TLS21K

Cut-out sketch



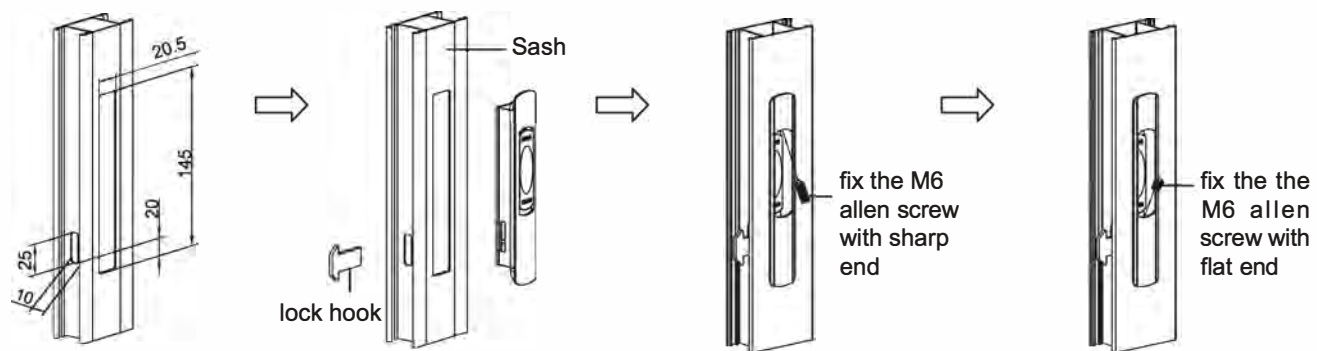
Part product Introduction

Sliding lock series TLS09



A simple bar lock used in the sliding lock, the main body adopts high-strength extruded aluminium alloy, the pushing bar adopts high-strength polyamide material. When installed in the profile, no screws needed, only by pushing the switch to achieve the locking & opening function. Lock to be fixed by a built-in M6 allen screw to be locked on the profile. (Push down the switch bar to see the screw)

TLS09 installation and drilling illustration



Anti-strike lock hook TFK01



Sliding system•Solution for anti-misoperation
(Patented Product)



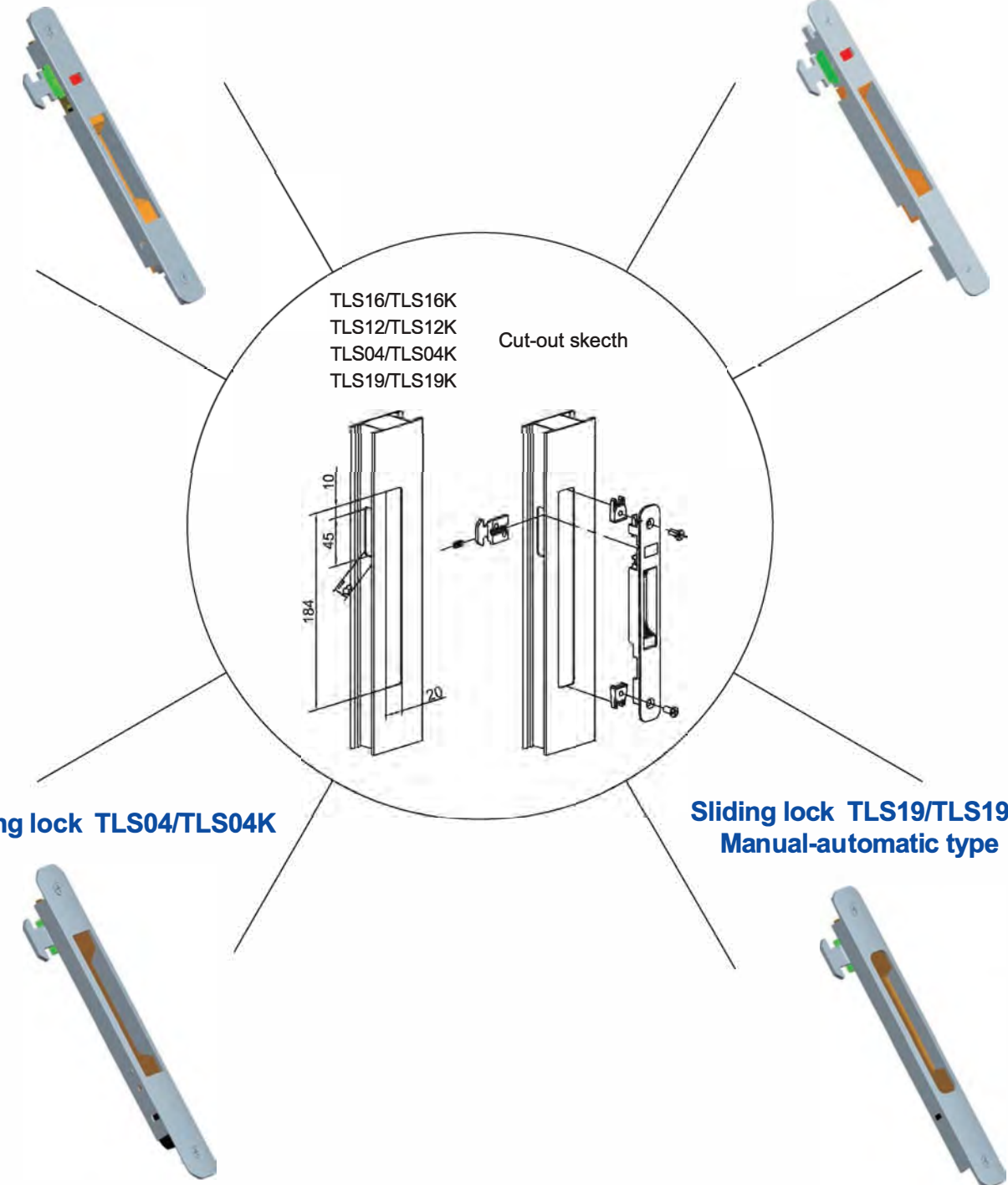
Part product Introduction

Sliding lock TLS16/TLS16K

- ◆Clamping installation and locking hook with adjustment of front and back can make up the hole-drilling error.
- ◆exposed part with the reminder to avoid mis-operation
- ◆Manual lock TLS16 has extra safety buckle to increase safety.

Sliding lock TLS12/TLS12K

- ◆Clamping installation and locking hook with adjustment of front and back can make up the hole-drilling error.
- ◆exposed part with the reminder to avoid mis-operation



Sliding lock TLS04/TLS04K

- ◆Clamping installation and locking hook with adjustment of front and back can make up the hole-drilling error.
- ◆exposed part with the reminder to avoid mis-operation

Sliding lock TLS19/TLS19K Manual-automatic type

- ◆Manual-automatic sliding lock
- ◆Clamping installation and locking hook with adjustment of front and back can make up the hole-drilling error.
- ◆exposed part with the reminder to avoid mis-operation

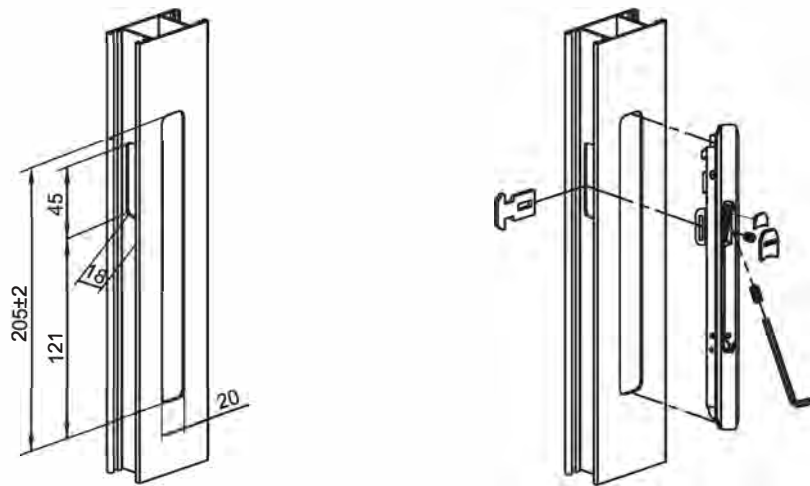
Part product Introduction

Sliding lock series SDS18/ZDS18

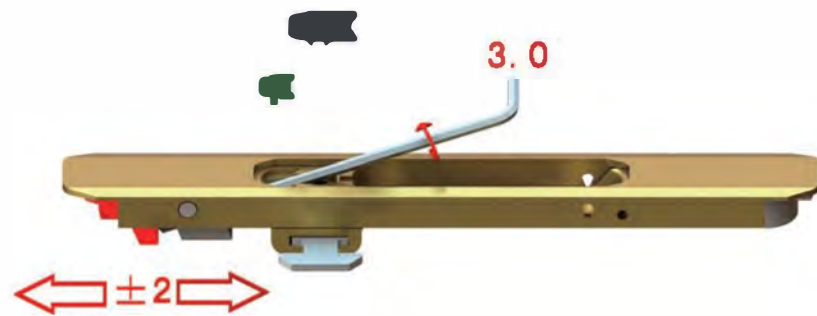


- ◆ Patented adjustable clamp design, make it easy for installation and maintenance.
- ◆ ± 2 mm adjustment range in existing hole, make sure the lock fixing in the profile.
- ◆ Meet the ergonomics operation design, make the operation a joy.
- ◆ looks Fashion and beautiful, and with red&green locking status notification.

Installation and drilling illustration

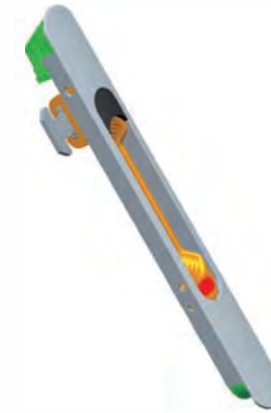


SDS18/ZDS18, adjust illustration



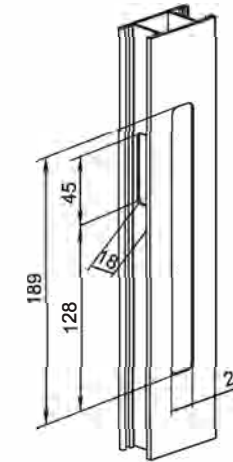
Part product Introduction

Sliding lock series SDS10/I. ZDS10/I

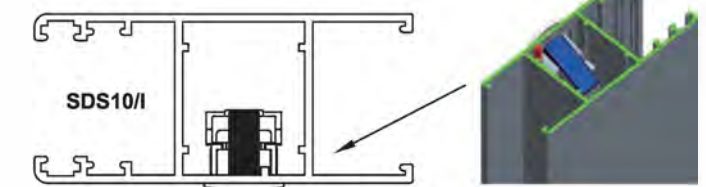
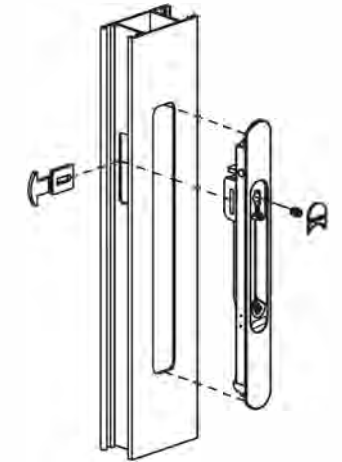


Design of Telescopic card type installation ,without screws to fix, makes the installation easy and fast. Sliding chute conformed to ergonomic design makes close and open comfortable and Design of climbing anti-theft holes solves the sliding door security problem effectively.

SDS10/I. ZDS10/I



Cut-out skecth

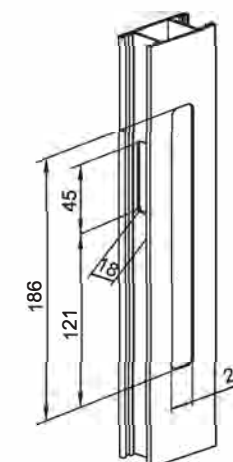


Sliding lock series SDS10/II. ZDS10/II

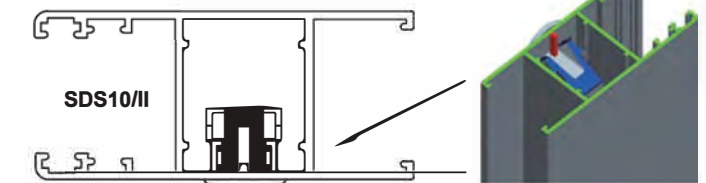
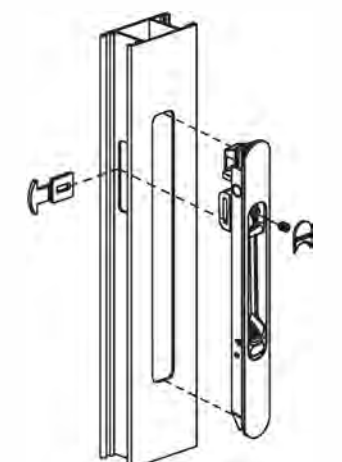


Design of Telescopic card type installation developed according to the profile with max. profile thickness 4mm but without screws to fix, makes the installation easy and fast. Sliding chute conformed to ergonomic design makes close and open comfortable and Design of climbing anti-theft holes solves the sliding door security problem effectively.

SDS10/II. ZDS10/II



Cut-out skecth



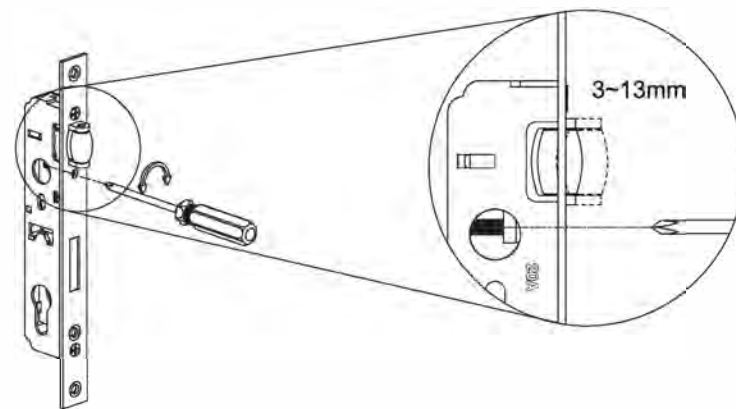
Part product Introduction

Door Lock MPS20

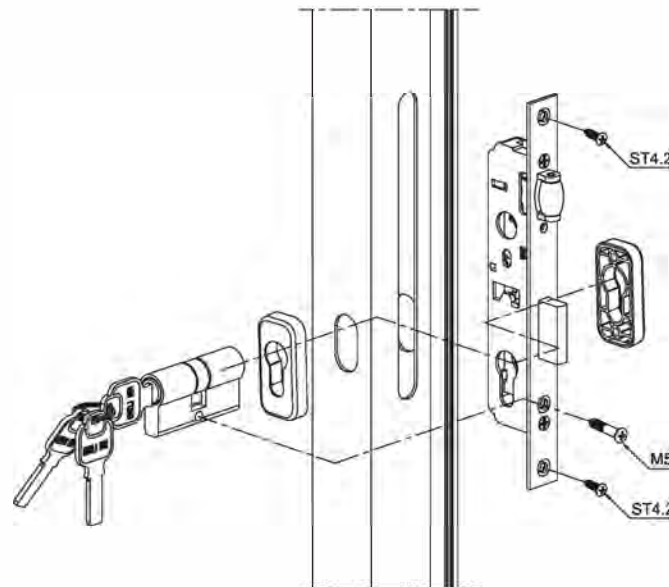


- ◆ The lock roller moves smoothly with wide adjustment range and application
- ◆ Lock set can be used together with the handle
- ◆ the cylinder increases lock safety.

MPS20 height adjustment drawing



MPS20 Installation drawing



Part product Introduction

Crescent lock series Y10/Y11



Crescent lock series Y07A / Y17



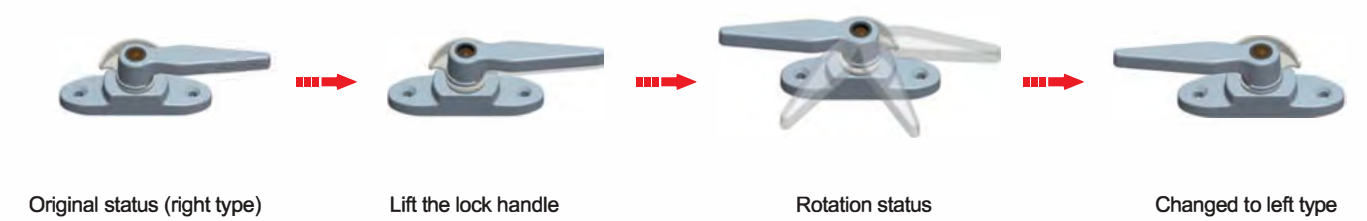
Design of sliding screw cap makes the screws invisible after installation and appearance simple but elegant, providing good closing and opening feeling and precise locking position.

Crescent lock series Y20



The left and right product can be changeable by easy operation,so no need to separate it from left or right and the smooth appearance together with moderate specification make it applicable to match with various of profiles.

Y20 Illustration(left & right)



Part product Introduction

Pushing Handle TZS118



- ◆ Inheriting Kinlong's streamline style classic appearance.
- ◆ Lifting & tilting structure design, No exposed screw.
- ◆ Left and Right inter-convertible.

Door Handle MZS818



III. Roller Hardware Series



The Option of Roller Hardware

Standard Products

Please select suitable roller according to the drawing and measure the aluminum size with the size of roller which is shown in brochure.

Customized products

Provide the digital drawings or actual profile section, forward them to regional technical person to make a design, according to the information provided, our company can customize the product for the trial installation.

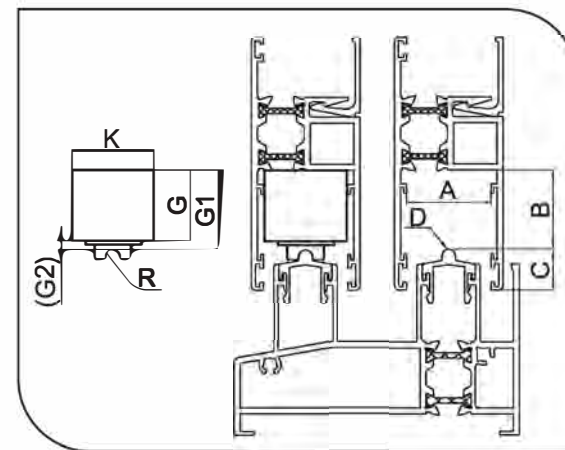
For sliding window and doors, refer to several important diameters as the right chart shown to select the suitable rollers.

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
- G1: Height of overall roller
- G2: Amount after the overall height minus outer cover height
- R: Shape of the bearing.



The parameter relations:

- ★ $G1=B$ (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.)
- ★ $G=G1-G2$ (When placing order, subject to the outer cover height.)
- ★ $R=D$ (Select roller which the wheel equal or little bigger than the track)

★ Safe bearing capacity \leq Sash dead weight (Glass+profile+other accessories) $\times 1.4$ (Safety factor)

★ The using and maintenance for Roller

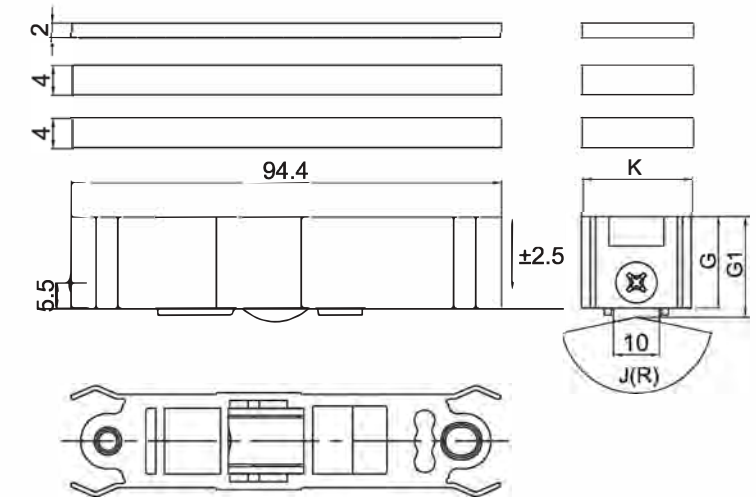
1. When you install the roller on site, please clean the rail in case the mortar or anything else to affect the open and close of the door and window.
2. The roller can improve the performance of sliding windows and doors, such as sag and gab which was resulted in long-term using or incorrect installation.

★ Note:

1. When select the roller, please follow the technical proposals to arrange samples for trial installation, then confirm.
2. Commonly used fastening screws are ST4.2 pan head self-tapping screws/ST4.2 pan head self-drilling & tapping screws. (Partially use M5 machine screws)
3. Due to the effect of cameras, the goods may be a little bit different from pictures.
4. In no event shall KIN LONG takes the quantity responsibility for the products beyond the limited use or mixused with other products uncommitted.
5. We reserve the right to update products and improve technique

Single Roller Series

Single Roller CLG20



- ◆ Bearing capacity: 40kg/2 rollers
- ◆ Adjustment: $\pm 2.5\text{mm}$
- ◆ Fastening screw: choose self-tapping screw/ ST4.2 self-tapping screw.
- ◆ Adjusting screw hole site: G-5.5mm

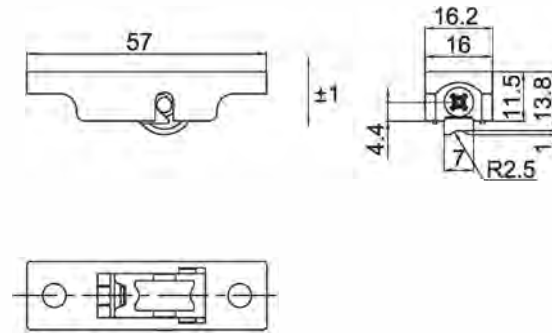
CLG20-G Height parameter of outer cover J(R) Parameter of the bearing shape									
Features	K (width)	G (outer cover height)	G1 (Overall height)	J(R) (Shape optional)					
				Arc shape		Angle shape		special type	
1. Roller height can be changed by adding different specification gasket.	24 (Applicable to profile: 21.5~24mm)	20	22	10	R1.5	R2.5	J120	J136	J140K1.7
		22	24						
		24	26						
		26	28						
		28	30						
2. High strength engineering plastic shell with plastic spring along two sides.	24 (Applicable to profile: 21.5~24mm)	30	32	10	R4	R5	J146	J150	
★ different bearing shape will generate 0.5~1mm tolerance to the overall height									

Unit: mm

Single Roller Series

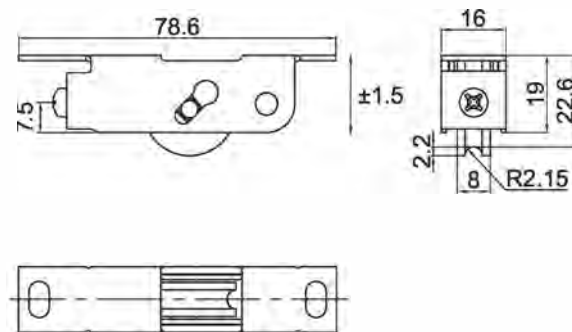
Single Roller Series

CCL60G11K16



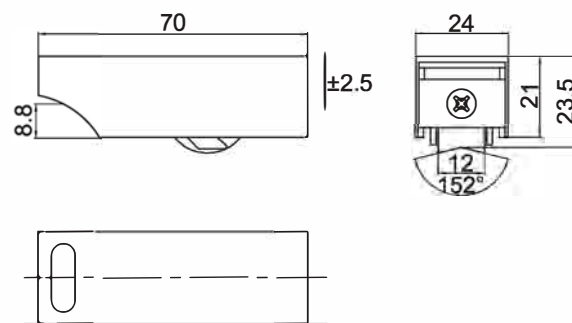
◆ Maximum bearing capacity: 25kg / 2 Rollers

CL60G19K16



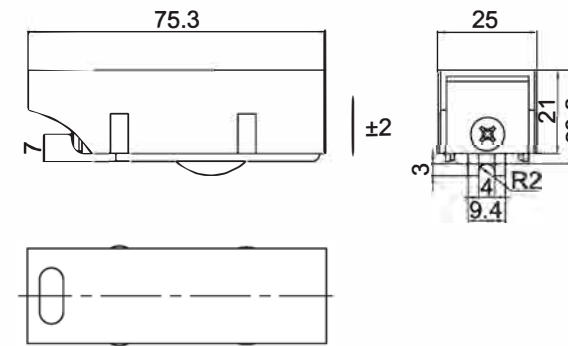
◆ Maximum bearing capacity: 40kg / 2 Rollers

CL60G21K24



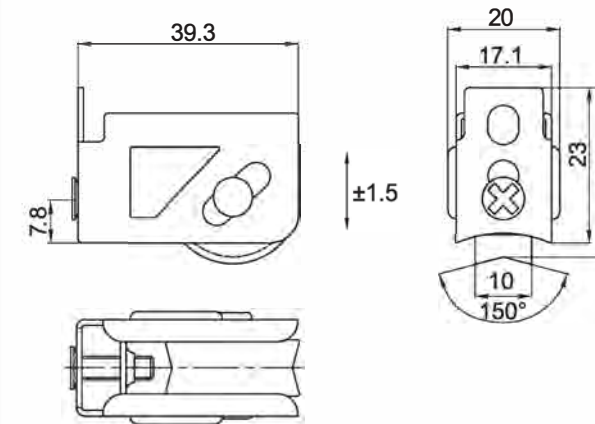
◆ Maximum bearing capacity: 40kg / 2 Rollers

CL60G21K25



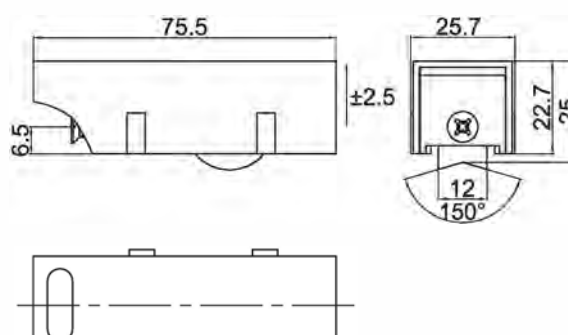
◆ Maximum bearing capacity: 40kg / 2 Rollers

CCL60G23K20



◆ Maximum bearing capacity: 30kg / 2 Rollers


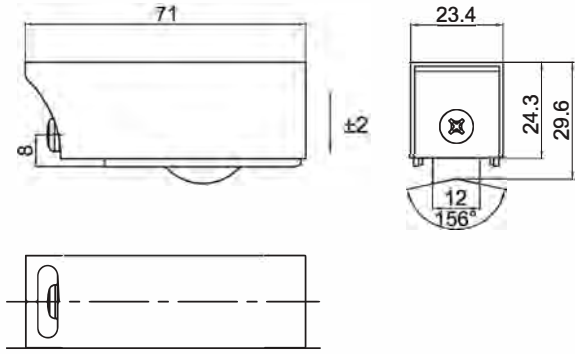

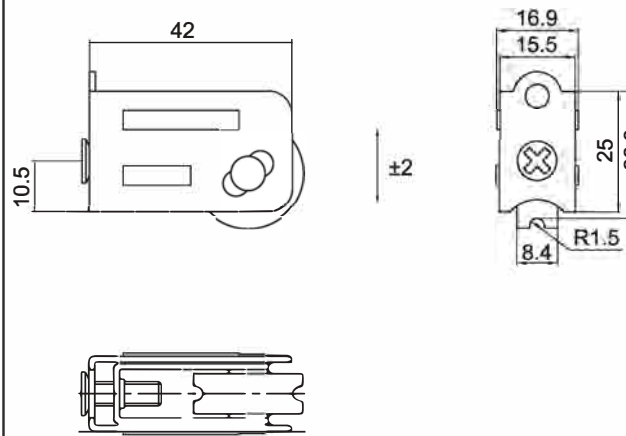

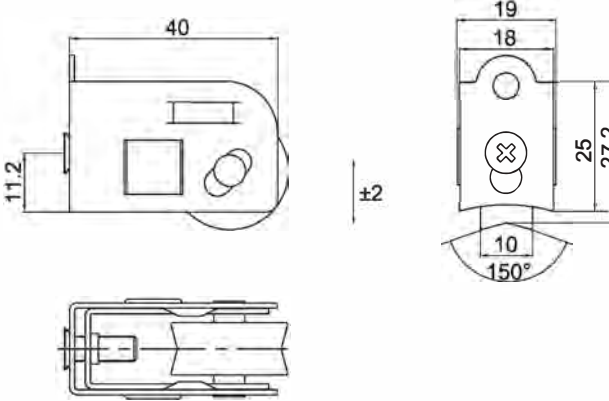
CL60G23K26


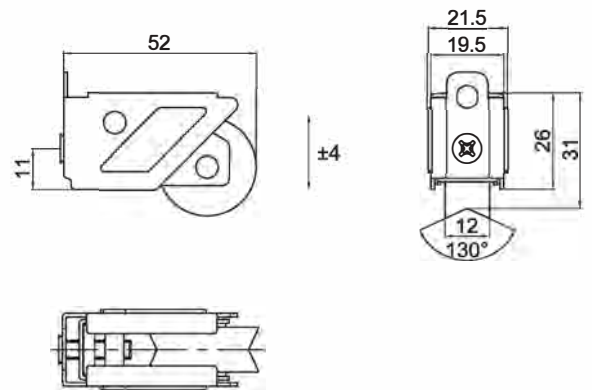

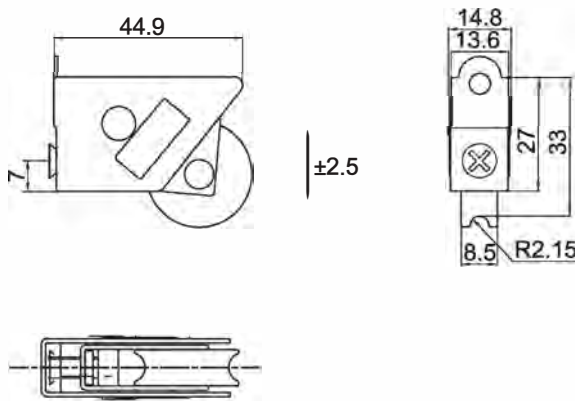

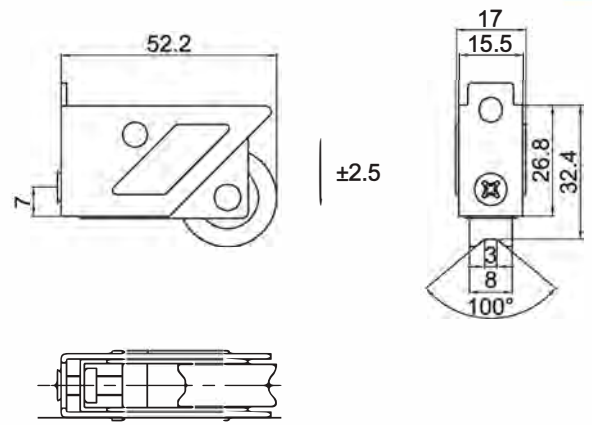


◆ Maximum bearing capacity: 40kg / 2 Rollers

Single Roller Series


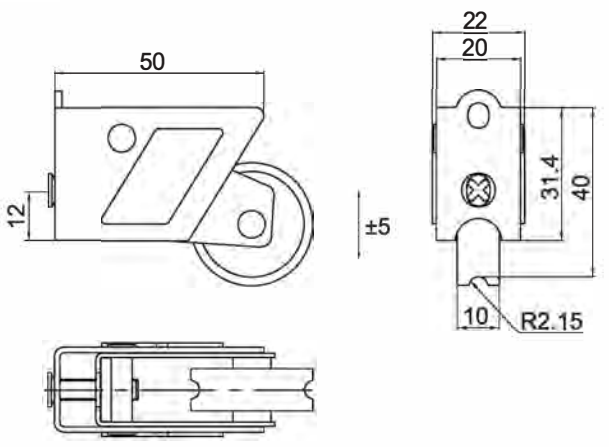

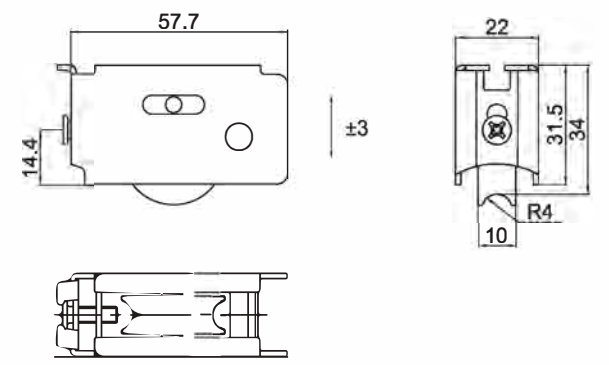

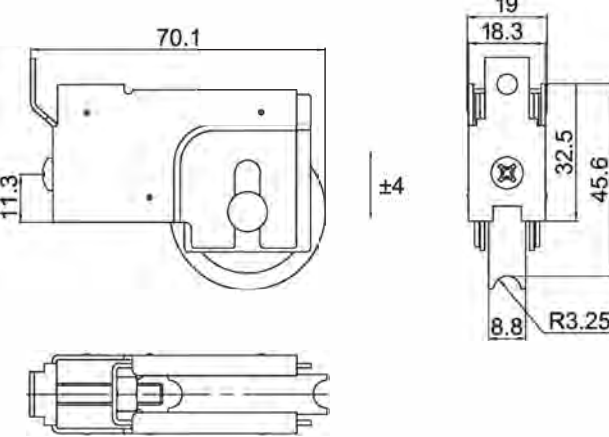
Single Roller Series


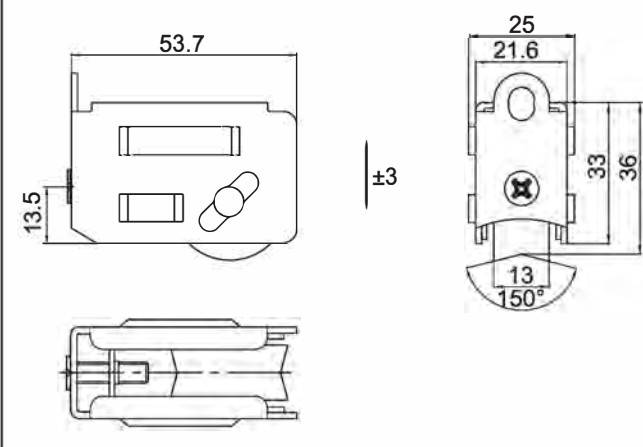

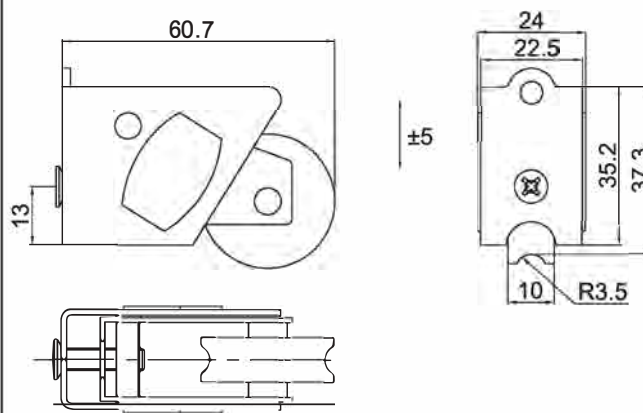

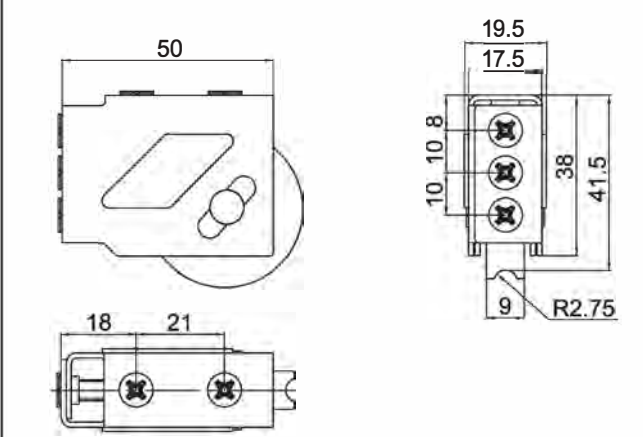
	<p>CL60G24.3K23.4</p>  <p>◆ Maximum bearing capacity:40kg / 2 Rollers</p>
	<p>CL60G25K17</p>  <p>◆ Maximum bearing capacity:40kg / 2 Rollers</p>
	<p>CL60G25K19</p>  <p>◆ Maximum bearing capacity:40kg / 2 Rollers</p>

	<p>CL60G26K21.5</p>  <p>◆ Maximum bearing capacity:40kg / 2 Rollers</p>
	<p>CCL60G27K14.8</p>  <p>◆ Maximum bearing capacity:30kg / 2 Rollers</p>
	<p>CL60G27K17</p>  <p>◆ Maximum bearing capacity:40kg / 2 Rollers</p>

Single Roller Series


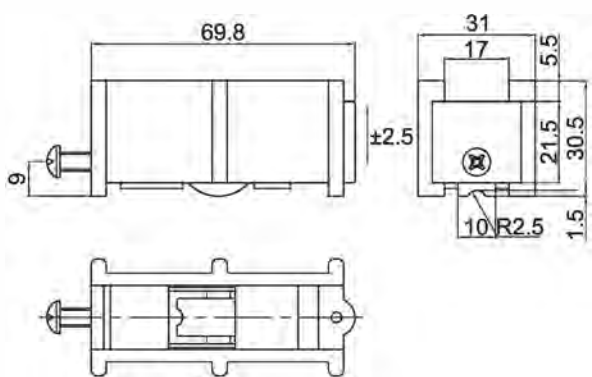
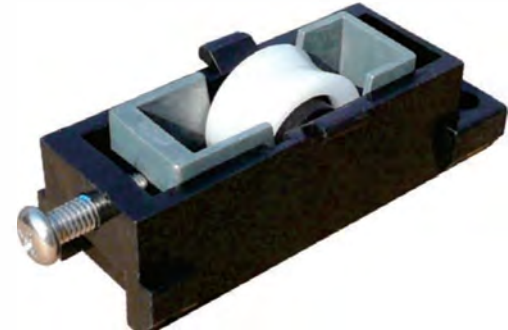
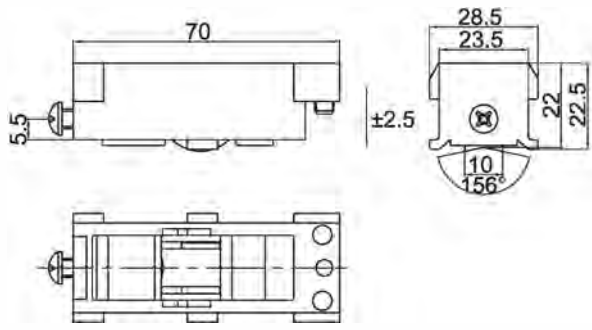

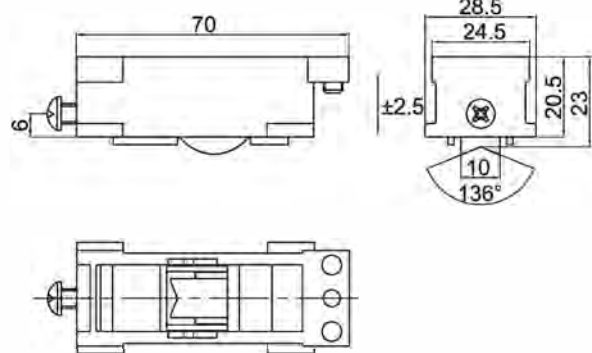
Single Roller Series

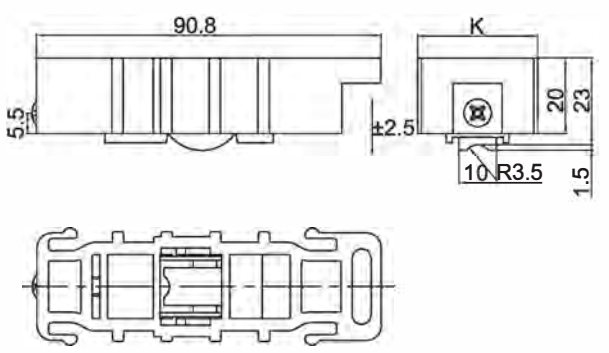

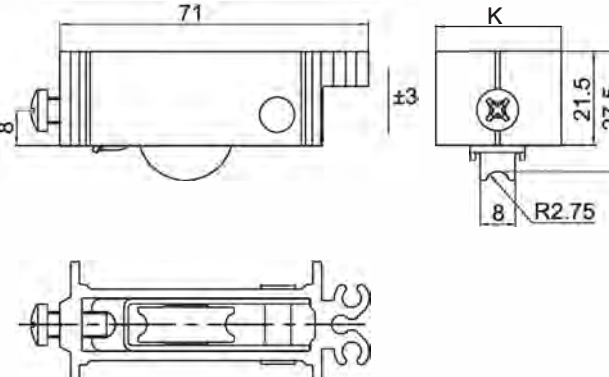

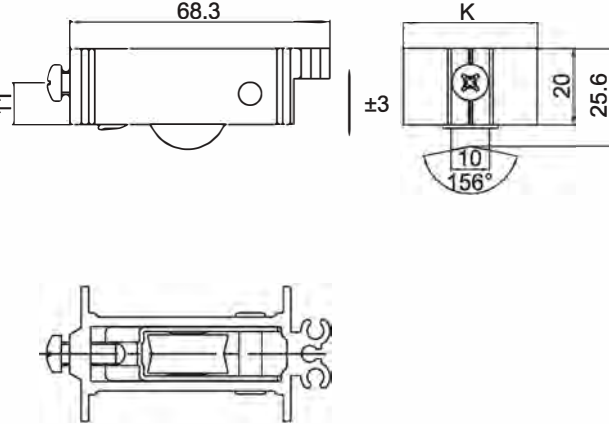

	<p>CCL60G31.4K22</p>  <p>◆ Maximum bearing capacity:40kg / 2 Rollers</p>
	<p>CL60G31.5K22</p>  <p>◆ Maximum bearing capacity:40kg / 2 Rollers</p>
	<p>CL60G32.5K19</p>  <p>◆ Maximum bearing capacity:40kg / 2 Rollers</p>

	<p>CCL60G33K25</p>  <p>◆ Maximum bearing capacity:50kg / 2 Rollers</p>
	<p>CL60G35K24</p>  <p>◆ Maximum bearing capacity:40kg / 2 Rollers</p>
	<p>CL60G38K19.5</p>  <p>◆ Maximum bearing capacity:40kg / 2 Rollers</p>

Single Roller Series

Single Roller Series


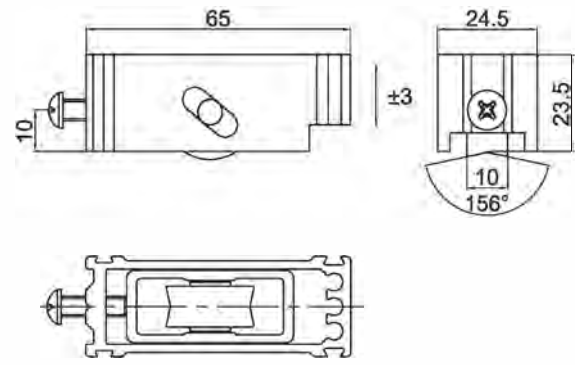
	<p>CLG30</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p>
	<p>CLG70</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p>
	<p>CLG83</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p>

 <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>K=29~30mm</p>	
 <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>K=18.5-29 mm</p>	
 <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>K=21.5-35 mm</p>	

Single Roller Series

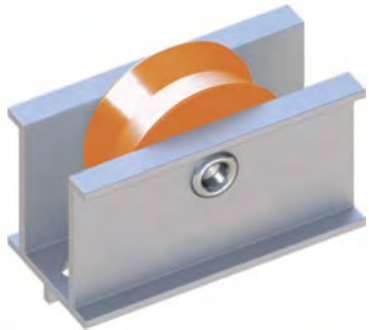
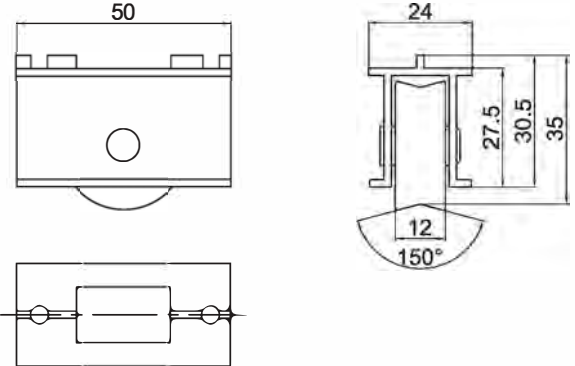
Single Roller Series

CL15


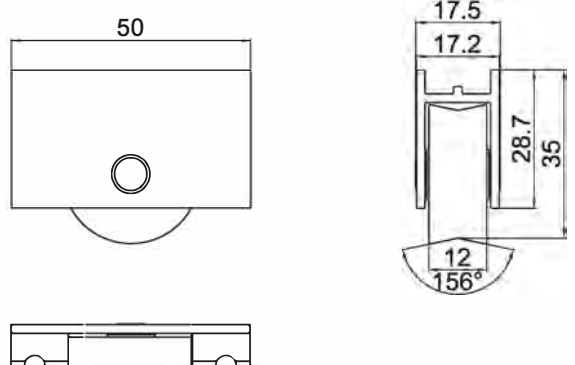
◆ Maximum bearing capacity:45kg / 2 Rollers

CL16

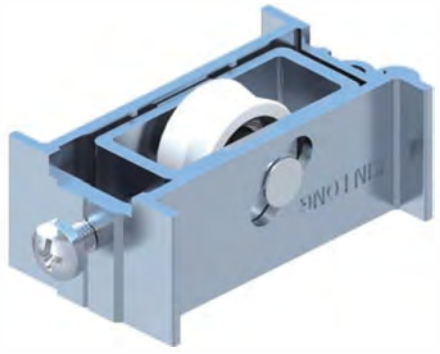
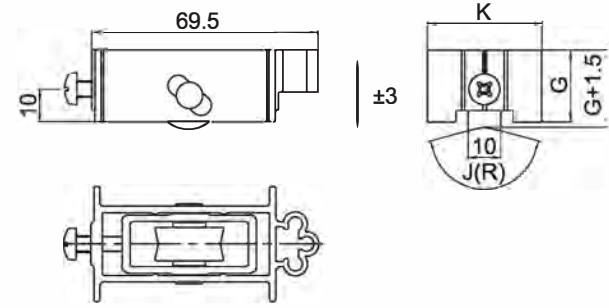
◆ Maximum bearing capacity:40kg / 2 Rollers

CL17

◆ Maximum bearing capacity:40kg / 2 Rollers


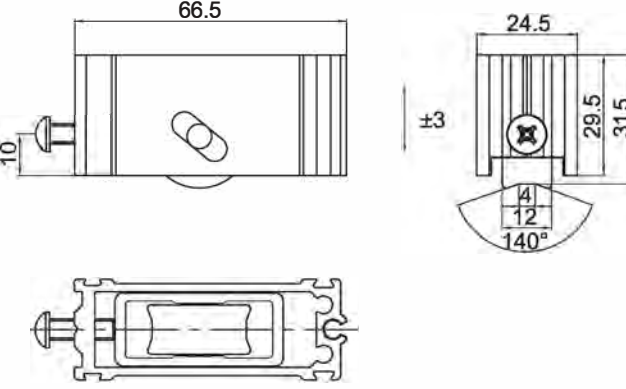
CL18-GKJ(R)

◆ Maximum bearing capacity:45kg / 2 Rollers
Select standard products as follows:


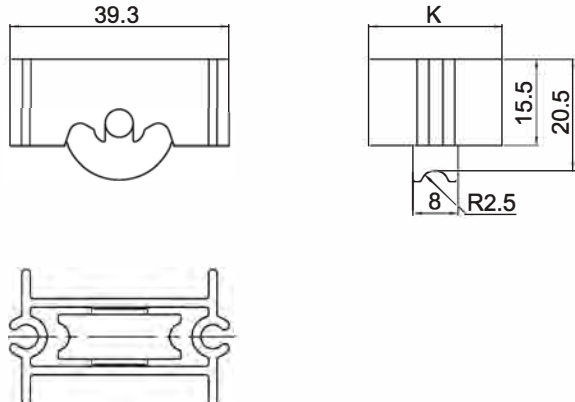
Width K(mm)	23-35(With 0.5 mm as the unit process)			
Height G (mm)	23	24	25	
Angle J/(R)	J136	J140	J150	J156 R2.75 R3.5 R5

CCL19

◆ Maximum bearing capacity:45kg / 2 Rollers

CL20


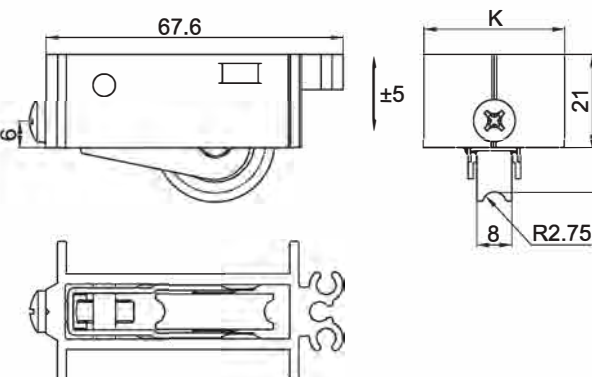

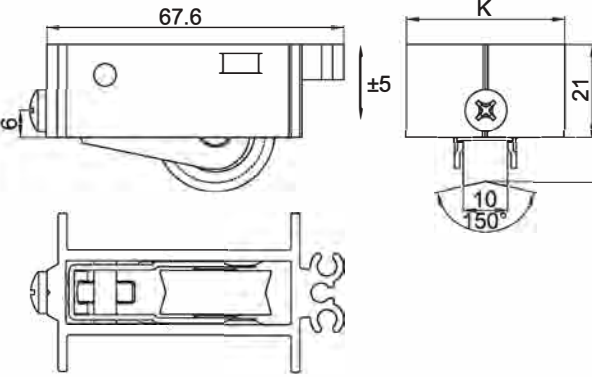

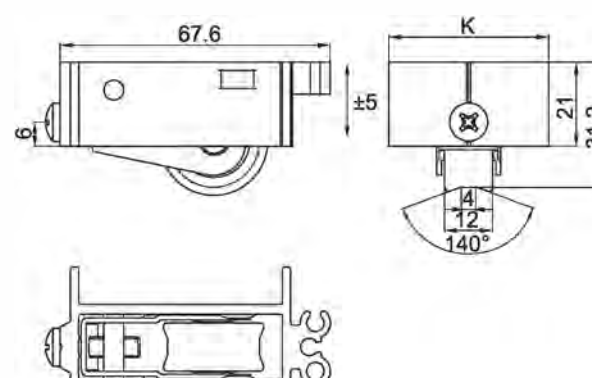



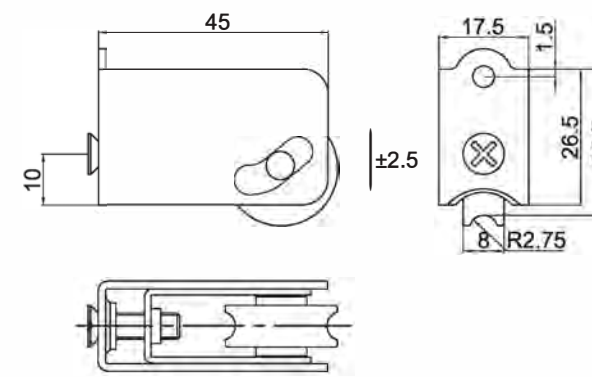

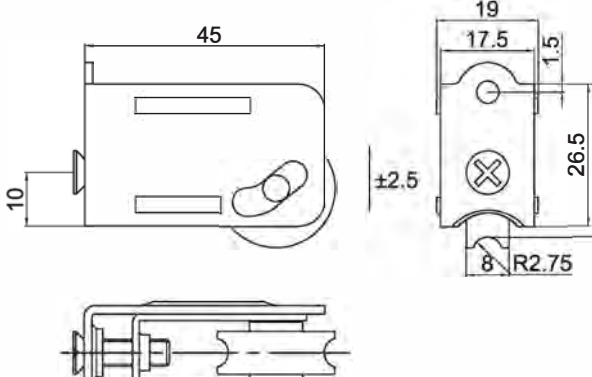

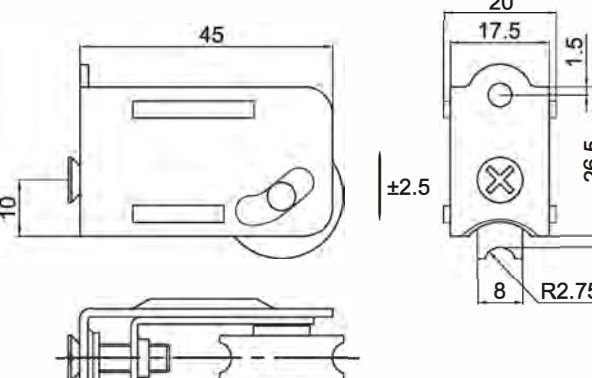

◆ Maximum bearing capacity:
35kg / 2 Rollers

K=14-24mm

Single Roller Series


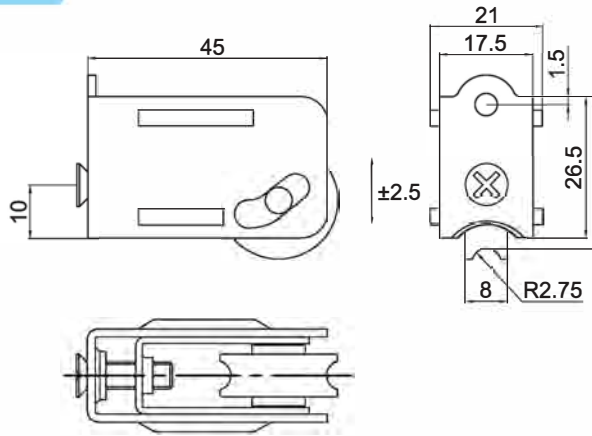


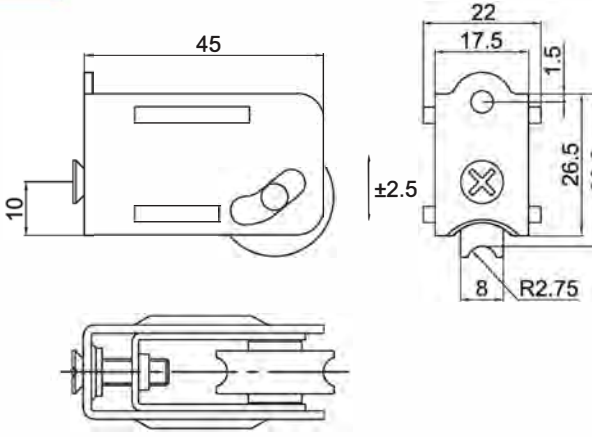


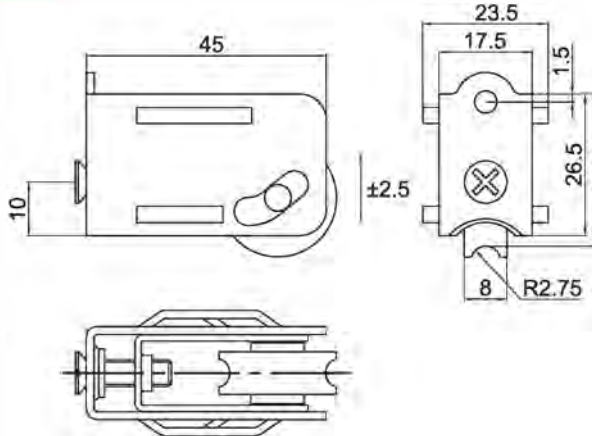

Single Roller Series


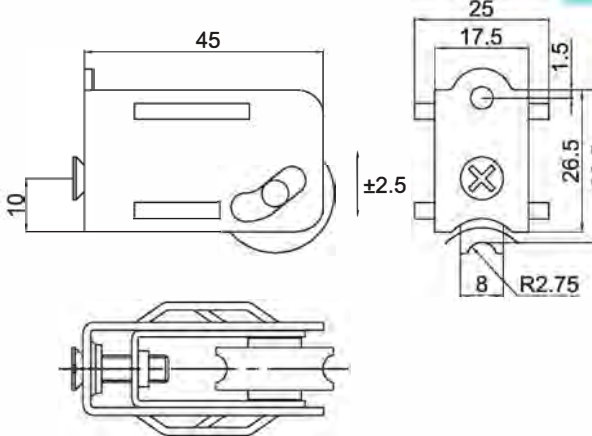


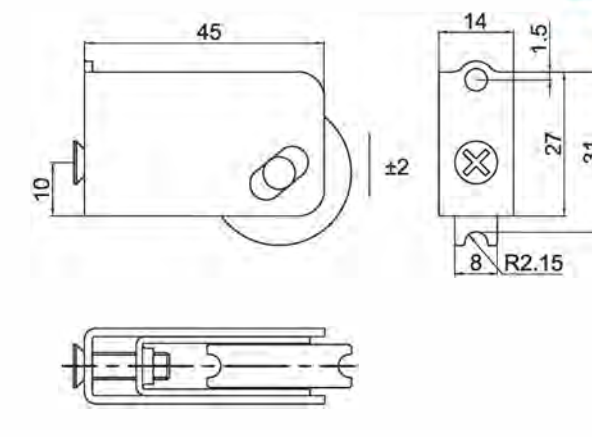


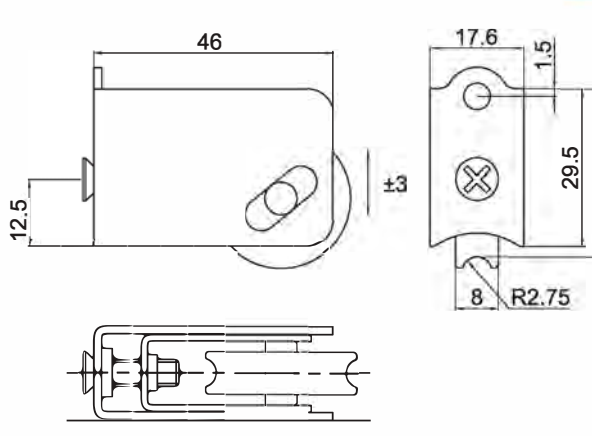

	<p>CCL21</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>K=18-32mm</p>
	<p>CCL22</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>K=19.5-36mm</p>
	<p>CCL23</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>K=21.5-40mm</p>

 <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width 10</p>	
 <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width 10</p>	
 <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width 10</p>	

Single Roller Series


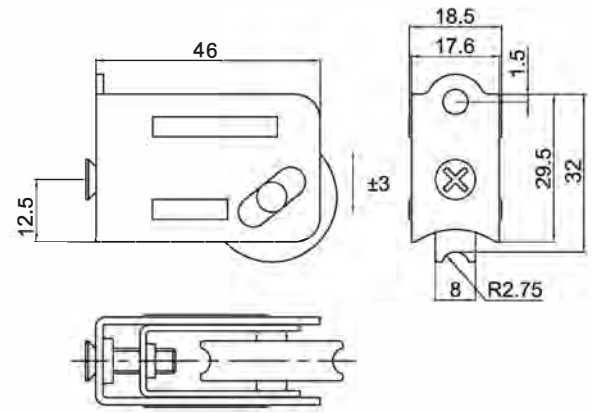


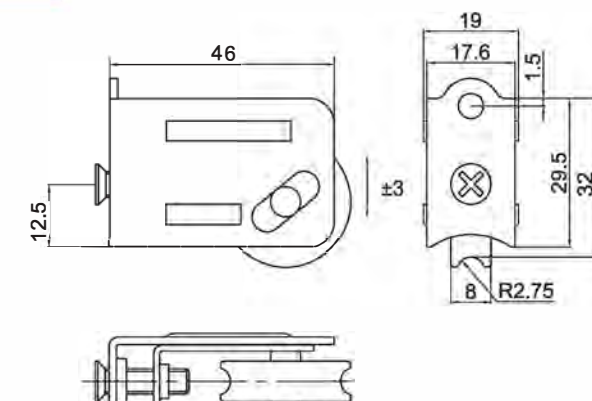


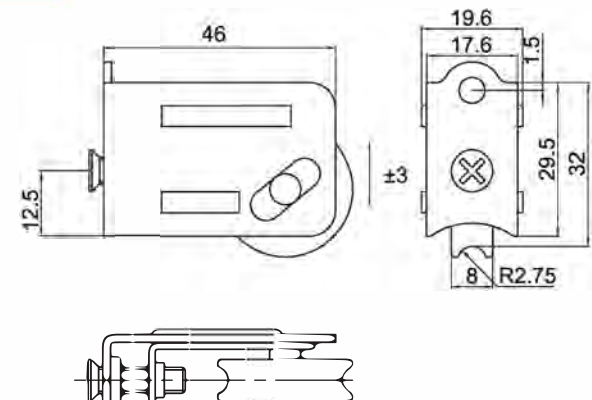

Single Roller Series


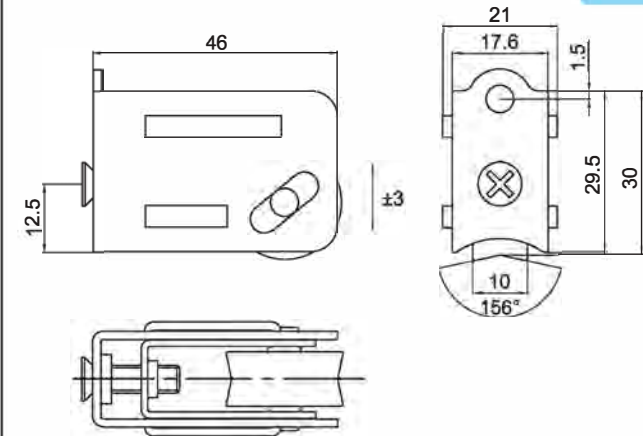


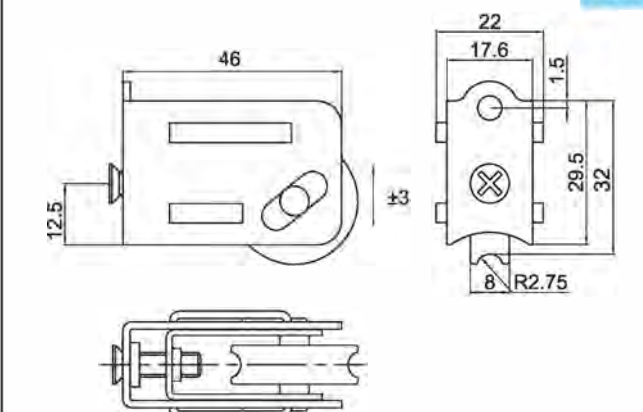


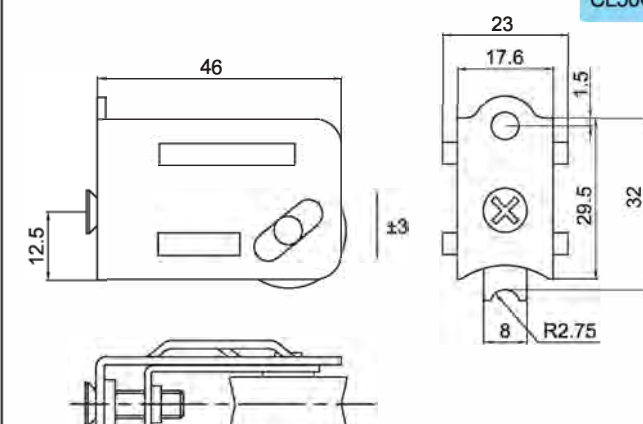

	<p>CL50G26.5K21</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width  10</p>
	<p>CL50G26.5K22</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width  10</p>
	<p>CL50G26.5K23.5</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width  10</p>

	<p>CL50G26.5K25</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width  10</p>
	<p>CL50G27K14</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width  10</p>
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Single Roller Series


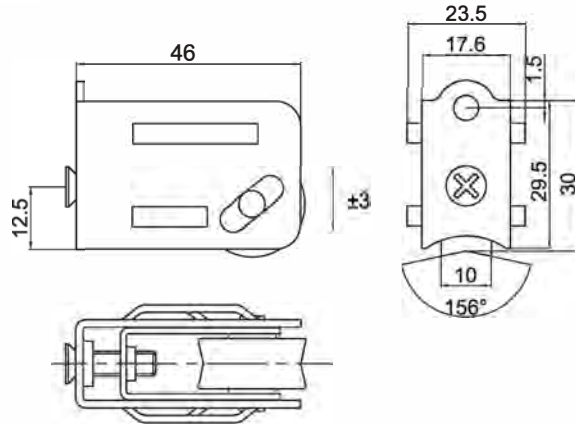

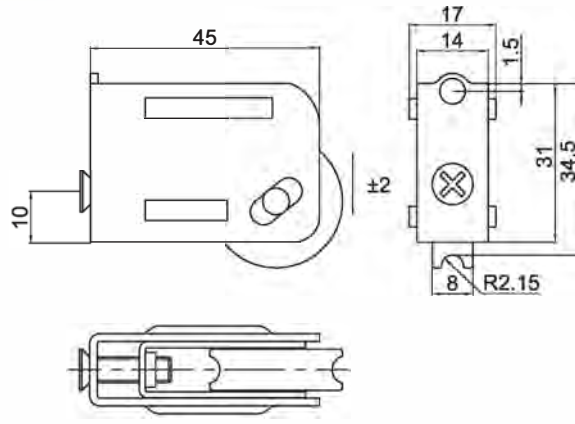

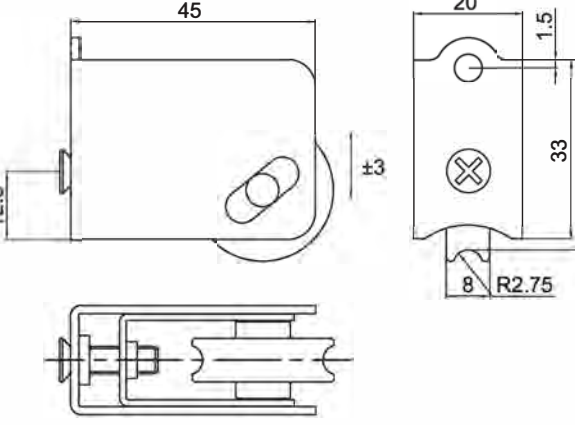
Single Roller Series


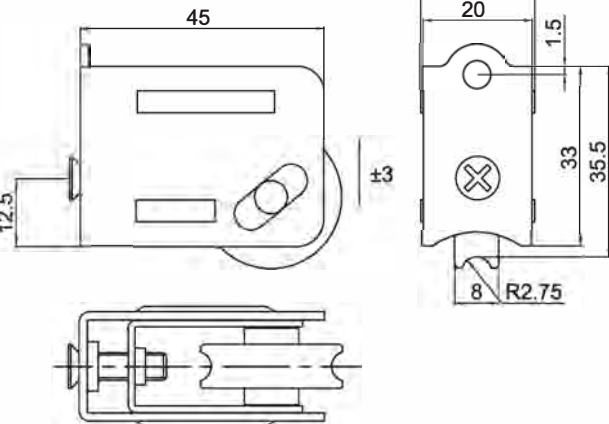

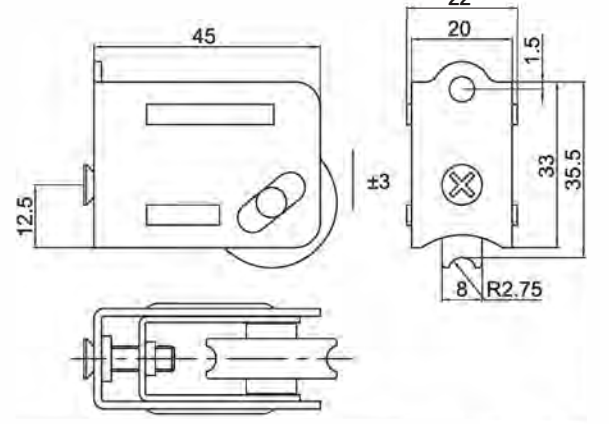

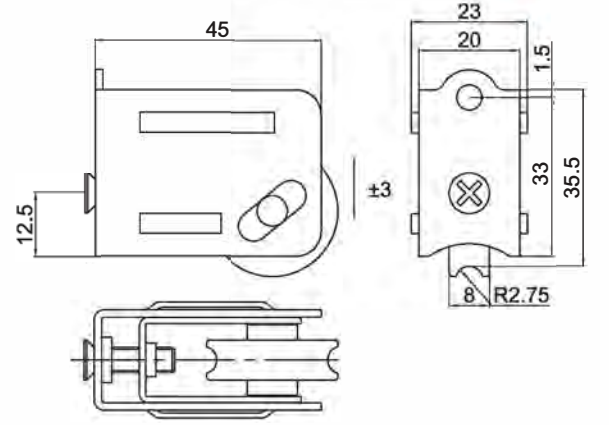
	<p>CL50G29.5K18.5</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width  10</p>
	<p>CL50G29.5K19</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width  10</p>
	<p>CL50G29.5K19.6</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width  10</p>

	<p>CL50G29.5K21</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width  8</p>
	<p>CL50G29.5K22</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width  10</p>
	<p>CL50G29.5K23</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <p>optional roller width  10</p>

Single Roller Series


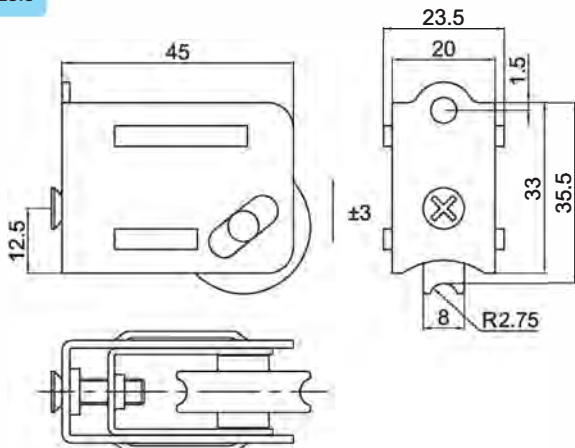

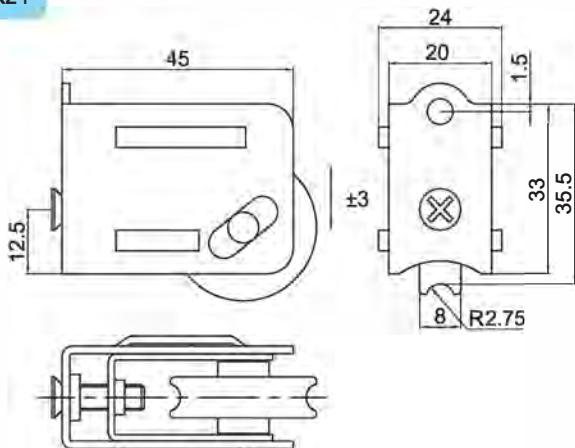

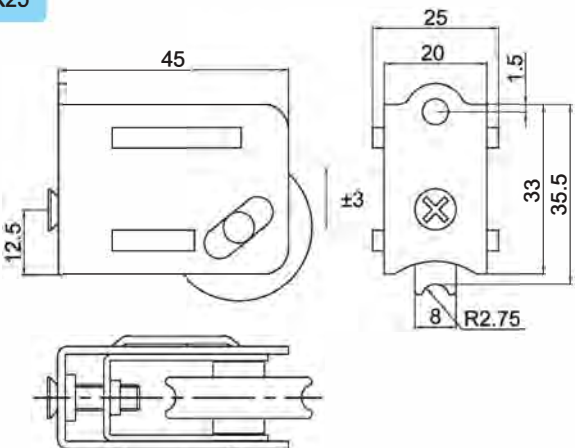
Single Roller Series


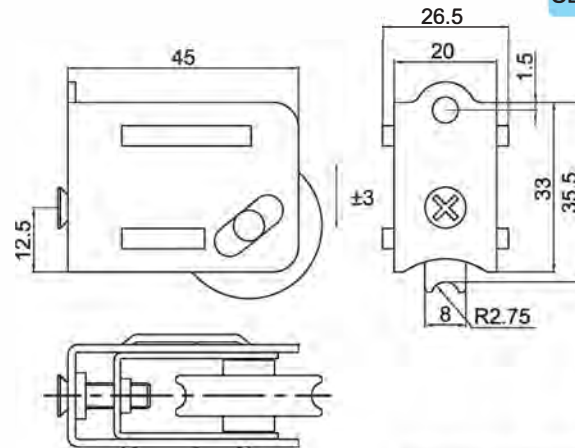

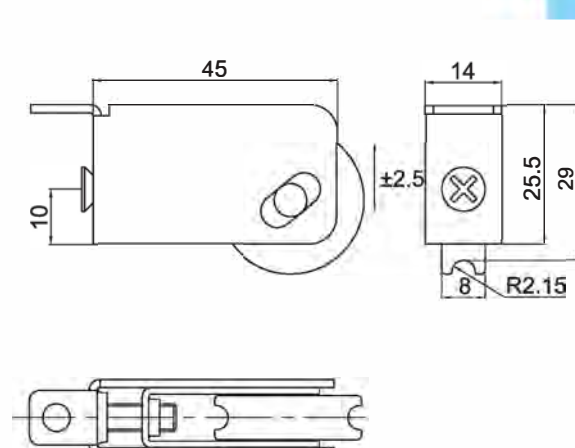

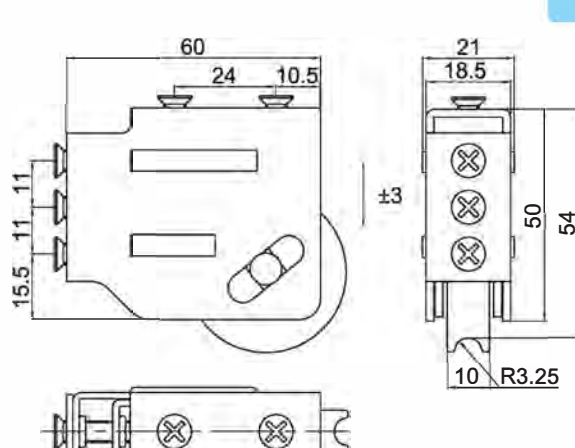
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optional roller width	8			
	<p>CL50G31K17</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p>			
	<p>CL50G33K20</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <table border="1"> <tr> <td>optional roller width</td> <td>10</td> <td>12</td> </tr> </table>	optional roller width	10	12
optional roller width	10	12		

	<p>CL50G33K21</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <table border="1"> <tr> <td>optional roller width</td> <td>10</td> <td>12</td> </tr> </table>	optional roller width	10	12
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optional roller width	10	12		
	<p>CL50G33K23</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <table border="1"> <tr> <td>optional roller width</td> <td>10</td> <td>12</td> </tr> </table>	optional roller width	10	12
optional roller width	10	12		

Single Roller Series

Single Roller Series

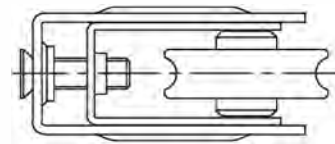
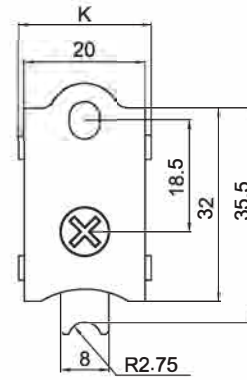
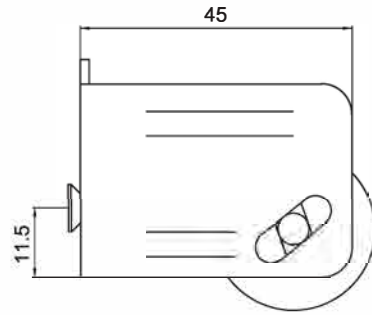
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optional roller width	10	12		
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optional roller width	10	12		

	<p>CL50G33K26.5</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p> <table border="1"> <tr> <td>optional roller width</td> <td>10</td> <td>12</td> </tr> </table>	optional roller width	10	12
optional roller width	10	12		
	<p>CL60</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p>			
	<p>CL90</p>  <p>◆ Maximum bearing capacity: 40kg / 2 Rollers</p>			

Single Roller Series

Double Roller Series

Single Roller CL50G32 Series



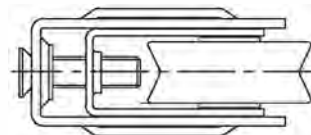
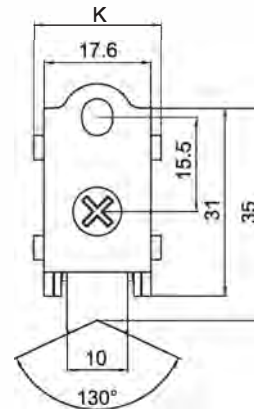
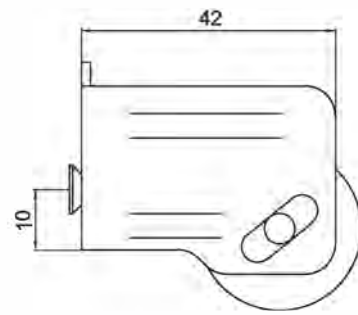
- ◆ Bearing capacity: 40kg/2 rollers
- ◆ Adjustment: ± 3 mm
- ◆ Fastening screw: self-tapping screw ST4.2
- ◆ Adjusting screw hole site 18.5mm to the fixing hole

Select standard products as follows:

Width K(mm)	20	21	22	23	24	25	26.5
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optional roller width	10	12
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Single Roller CL61G31 Series

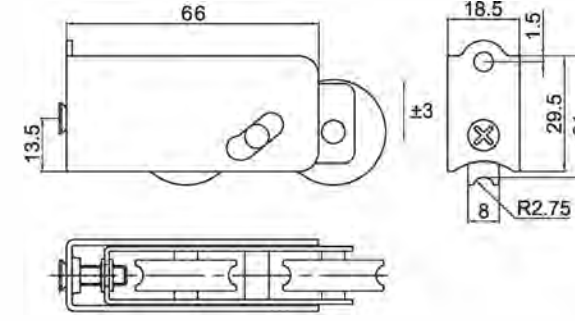


- ◆ Bearing capacity: 40kg/2 rollers
- ◆ Adjustment: ± 3 mm
- ◆ Fastening screw: self-tapping screw ST4.2
- ◆ Adjusting screw hole site 15.5mm to the fixing hole

Select standard products as follows:

Width K(mm)	17.6	18	19	20	21	22	23	24	24.5	25
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ML50G29.5K18.5

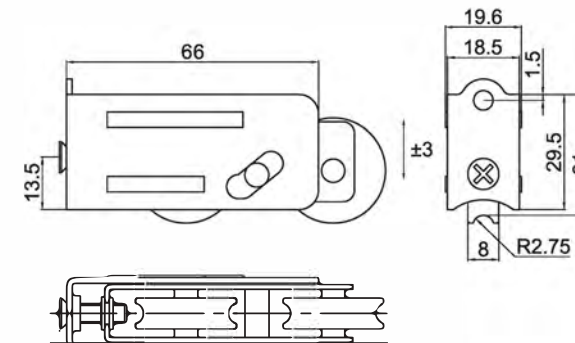


- ◆ Maximum bearing capacity: 80kg / 2 Rollers

optional roller width	10
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ML50G29.5K19.6

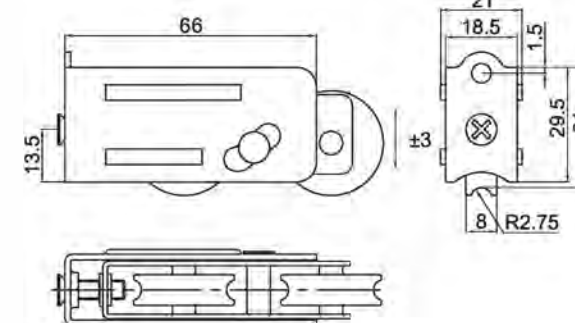


- ◆ Maximum bearing capacity: 80kg / 2 Rollers

optional roller width	10
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ML50G29.5K21




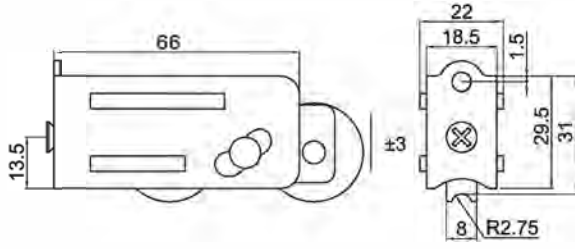



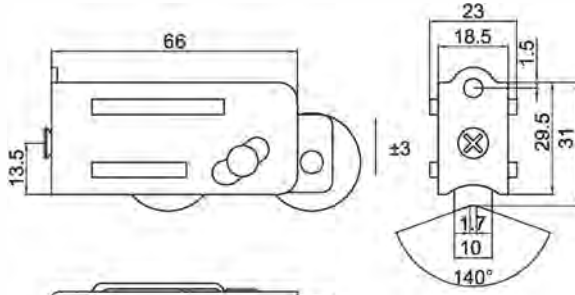


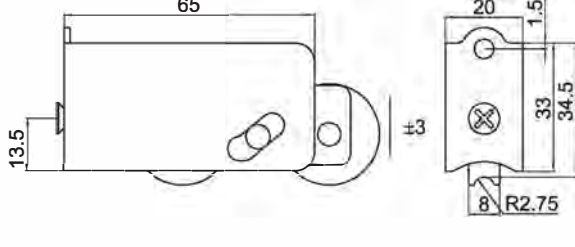


- ◆ Maximum bearing capacity: 80kg / 2 Rollers


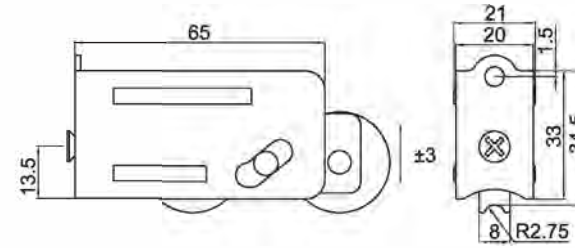



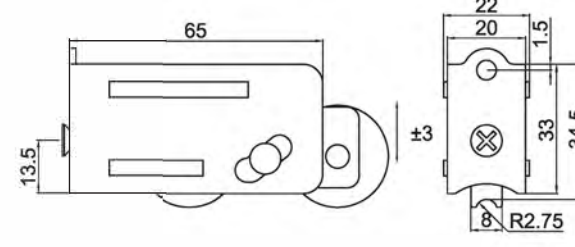



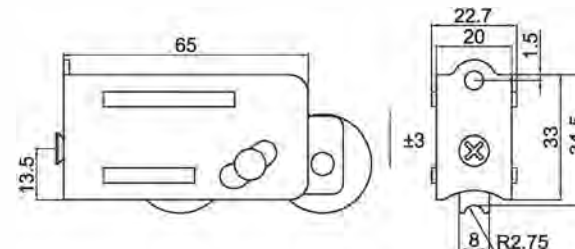


optional roller width	10
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Double Roller Series


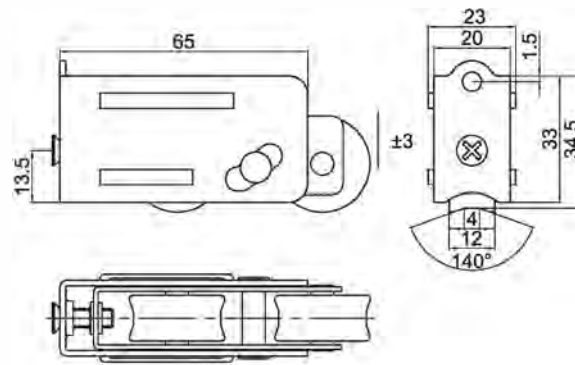

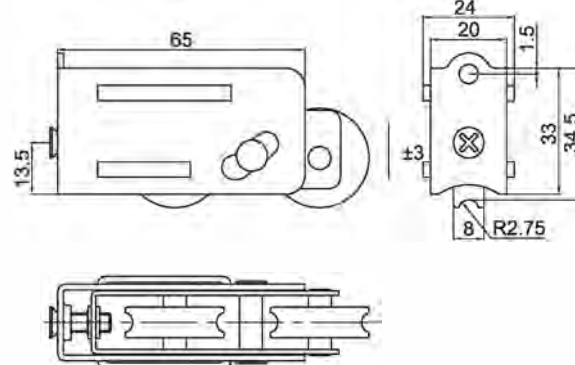

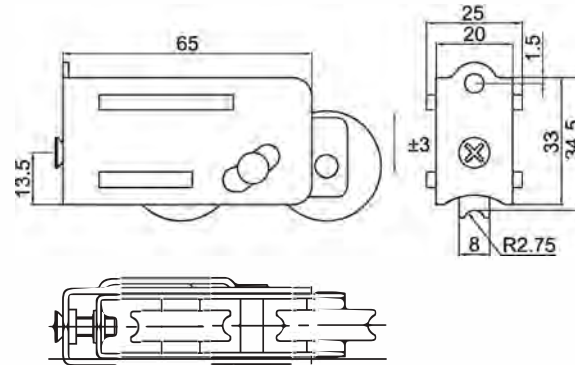
Double Roller Series


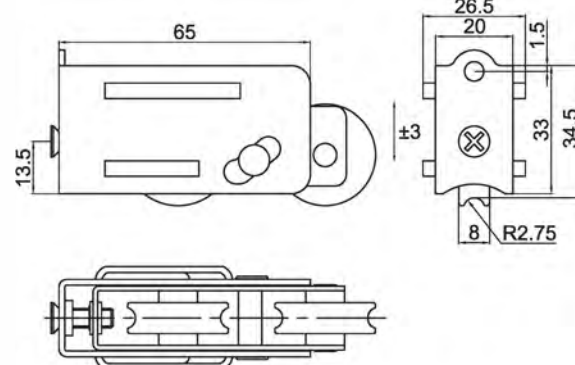

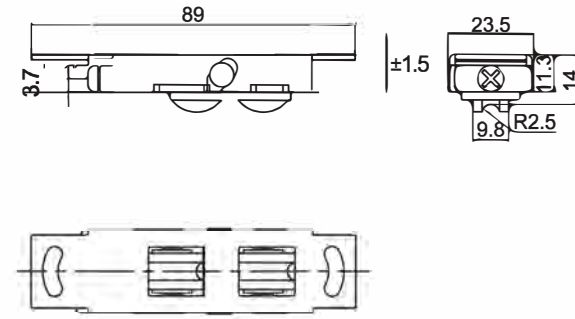

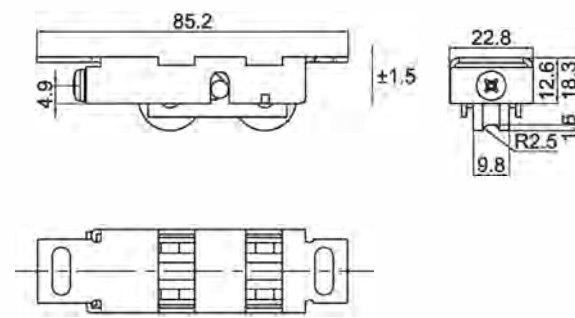
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	<p>ML50G29.5K23</p>  <p>◆ Maximum bearing capacity: 80kg / 2 Rollers</p> <p>optional roller width </p>
	<p>ML50G33K20</p>  <p>◆ Maximum bearing capacity: 80kg / 2 Rollers</p> <p>optional roller width  </p>

	<p>ML50G33K21</p>  <p>◆ Maximum bearing capacity: 80kg / 2 Rollers</p> <p>optional roller width  </p>
	<p>ML50G33K22</p>  <p>◆ Maximum bearing capacity: 80kg / 2 Rollers</p> <p>optional roller width  </p>
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Double Roller Series

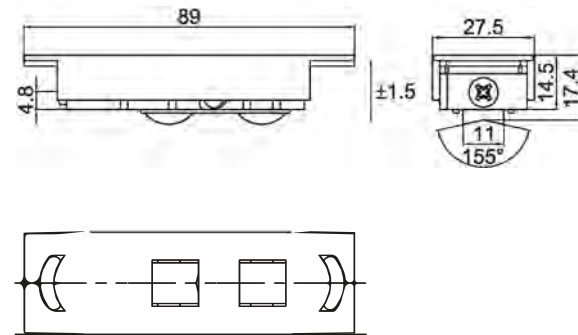
Double Roller Series

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optional roller width	8	10		
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optional roller width	10	12		
	<p>ML50G33K25</p>  <p>◆ Maximum bearing capacity: 80kg / 2 Rollers</p> <table border="1"> <tr> <td>optional roller width</td> <td>10</td> <td>12</td> </tr> </table>	optional roller width	10	12
optional roller width	10	12		

	<p>ML50G33K26.5A</p>  <p>◆ Maximum bearing capacity: 80kg / 2 Rollers</p> <table border="1"> <tr> <td>optional roller width</td> <td>10</td> <td>12</td> </tr> </table>	optional roller width	10	12
optional roller width	10	12		
	<p>ML60G10K23.5</p>  <p>◆ Maximum bearing capacity:50kg / 2 Rollers</p>			
	<p>ML60G12.5K23</p>  <p>◆ Maximum bearing capacity:50kg / 2 Rollers</p>			

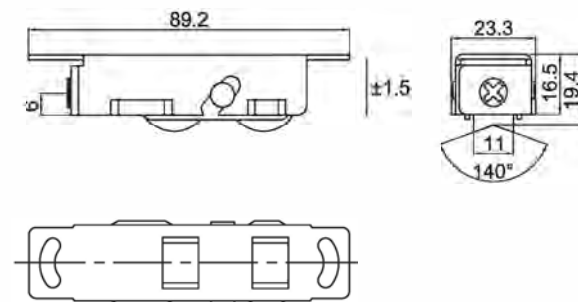
Double Roller Series

ML60G15K27.5



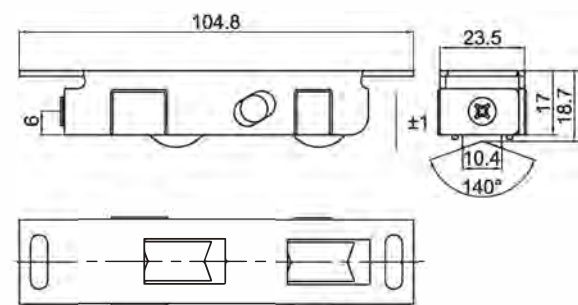
◆ Maximum bearing capacity:50kg / 2 Rollers

ML60G16.5K23.3



◆ Maximum bearing capacity:50kg / 2 Rollers

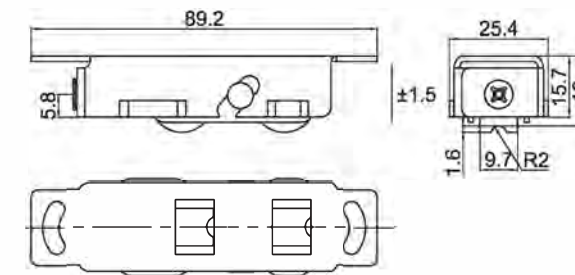
ML60G17K23.5



◆ Maximum bearing capacity:50kg / 2 Rollers

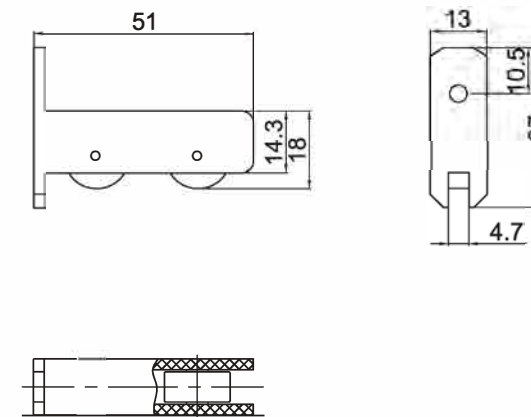
Double Roller Series

ML60G17K25.8



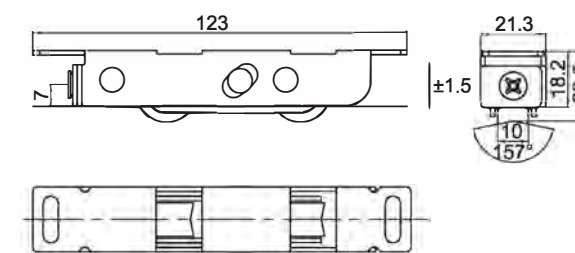
◆ Maximum bearing capacity:50kg / 2 Rollers

ML60G18K13



◆ Maximum bearing capacity:40kg / 2 Rollers


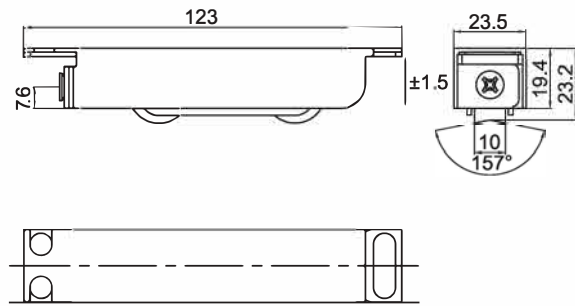

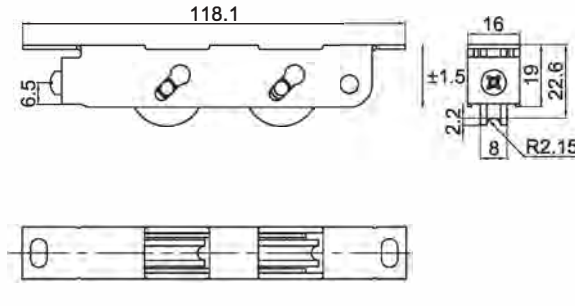

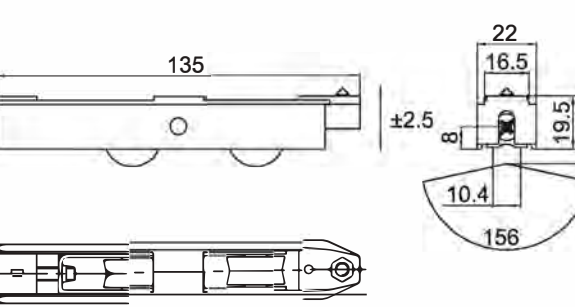
ML60G18K21


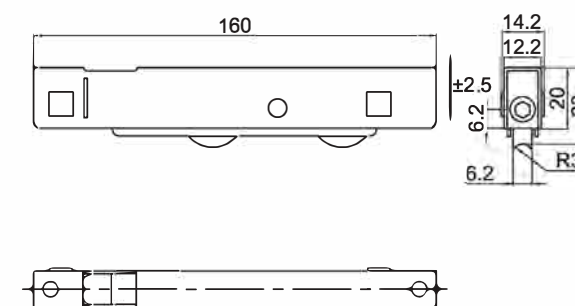

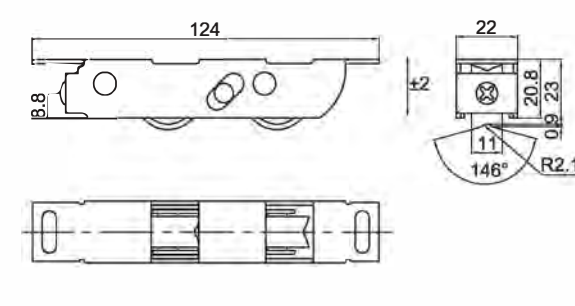

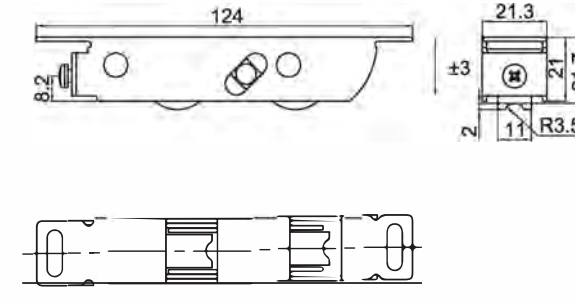


◆ Maximum bearing capacity:80kg / 2 Rollers

Double Roller Series


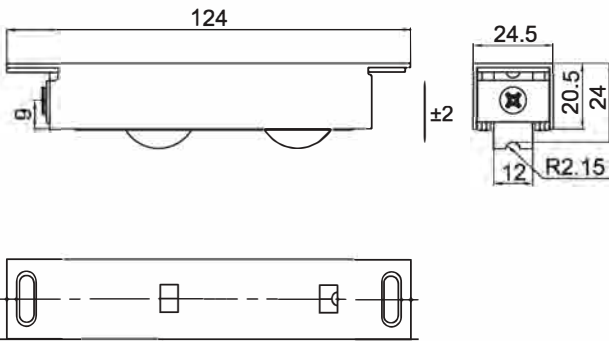

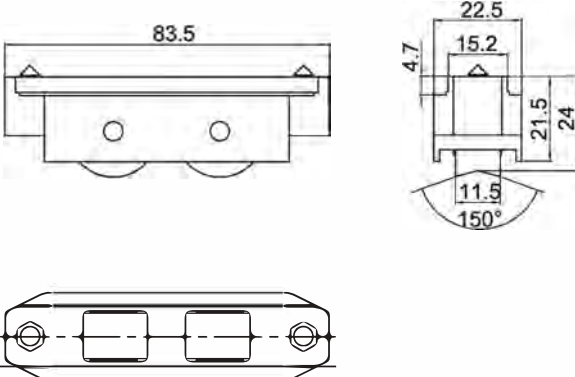

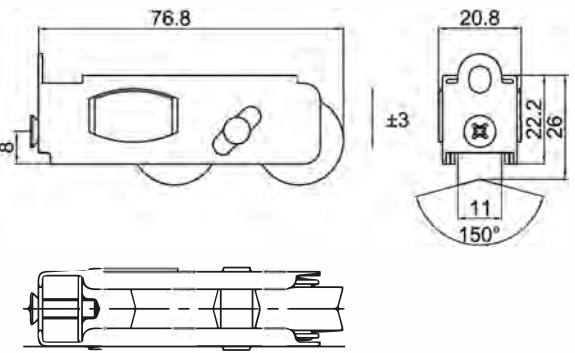
Double Roller Series


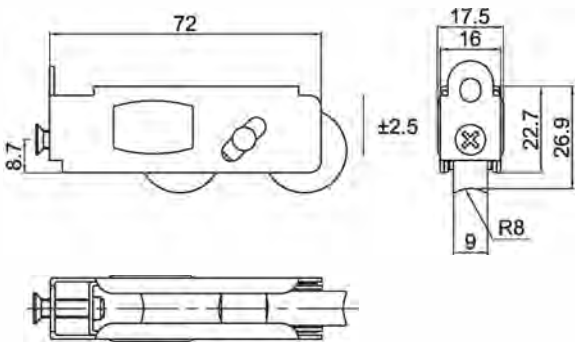

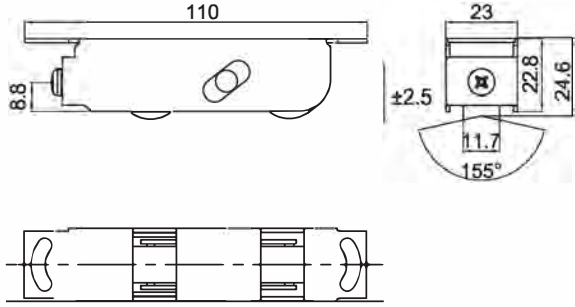

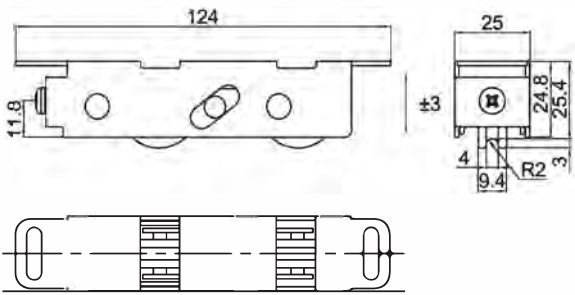
	<p>ML60G18K23.5</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>
	<p>ML60G19K16</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>
	<p>ML60G19.5K22</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>

	<p>ML60G20K14.2</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>
	<p>ML60G20.8K22</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>
	<p>ML60G21K21.3</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>

Double Roller Series


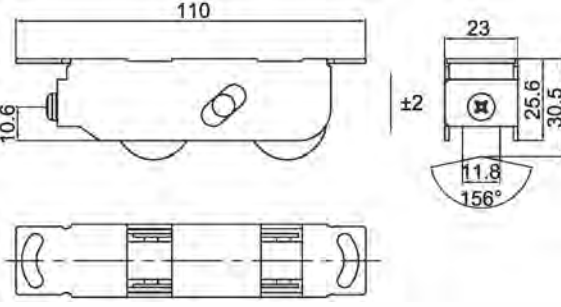

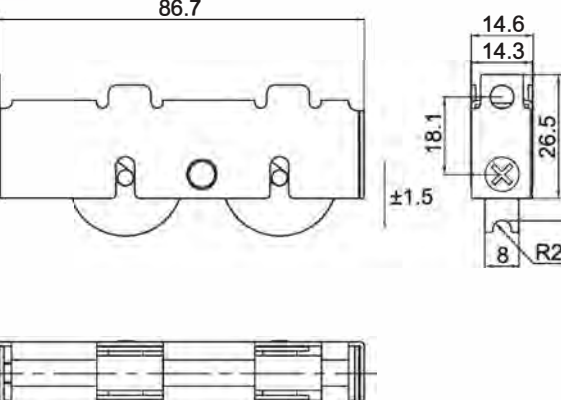

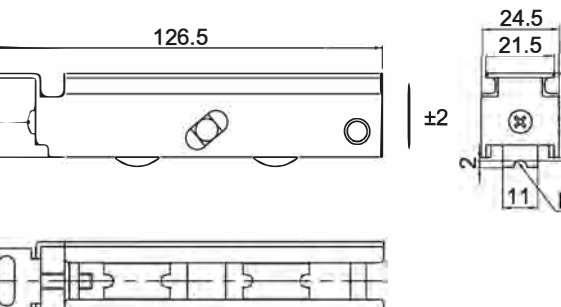
Double Roller Series


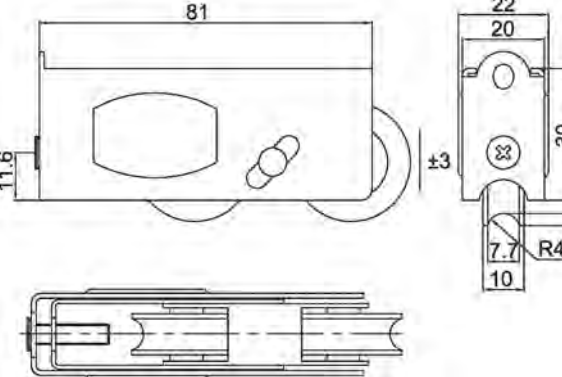

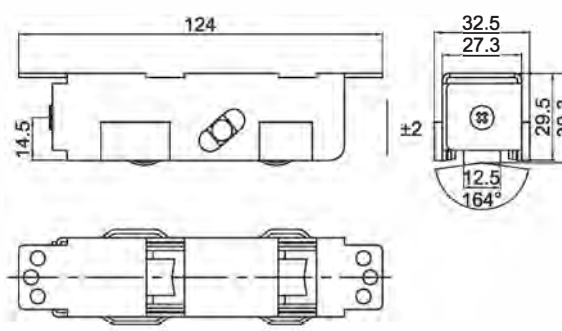

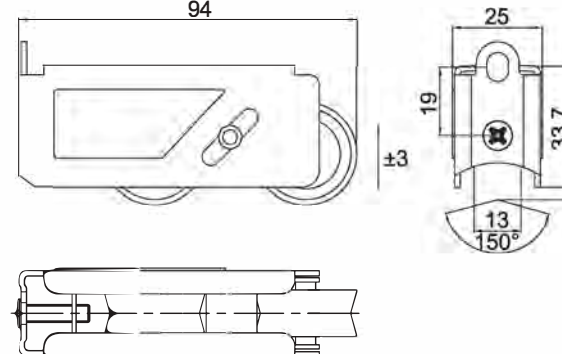
	<p>ML60G21K24.5</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>
	<p>ML60G21.5K22.5</p>  <p>◆ Maximum bearing capacity:40kg / 2 Rollers</p>
	<p>ML60G22K21</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>

	<p>ML60G22.7K17.5</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>
	<p>ML60G23.2K23</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>
	<p>ML60G24.8K25</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>

Double Roller Series

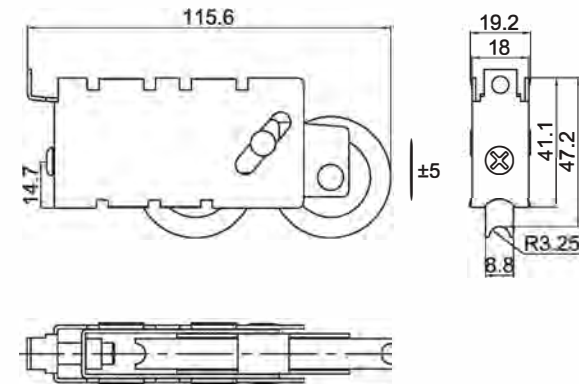
Double Roller Series

	<p>ML60G25.6K23</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>
	<p>CML60G26.5K14.6</p>  <p>◆ Maximum bearing capacity:60kg / 2 Rollers</p>
	<p>ML60G26.5K24.5</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>

	<p>ML60G30K22A</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>
	<p>ML60G30K32.5</p>  <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>
	<p>CML60G33.7K25</p>  <p>◆ Maximum bearing capacity:100kg / 2 Rollers</p>

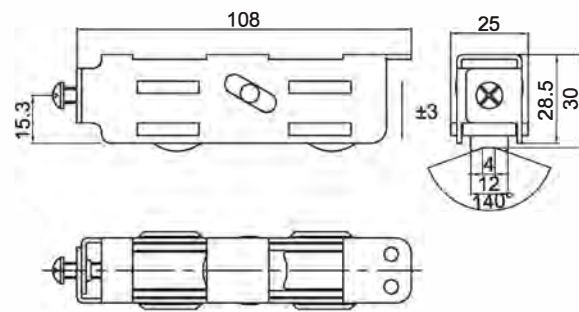
Double Roller Series

ML60G41K19.2



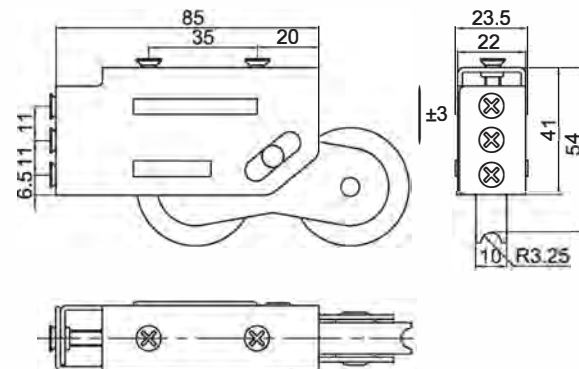
◆ Maximum bearing capacity:80kg / 2 Rollers

SHL80A



◆ Maximum bearing capacity:80kg / 2 Rollers

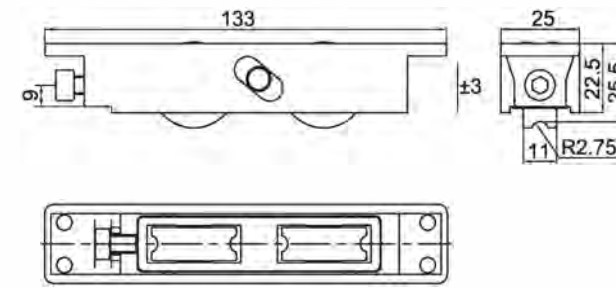
ML90



◆ Maximum bearing capacity:110kg / 2 Rollers

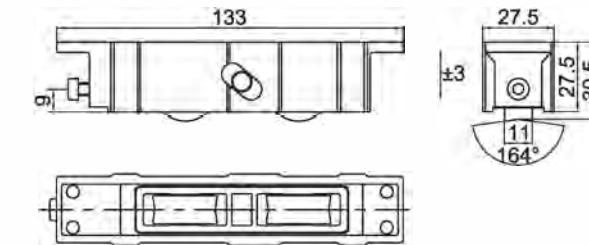
Double Roller Series

ML94



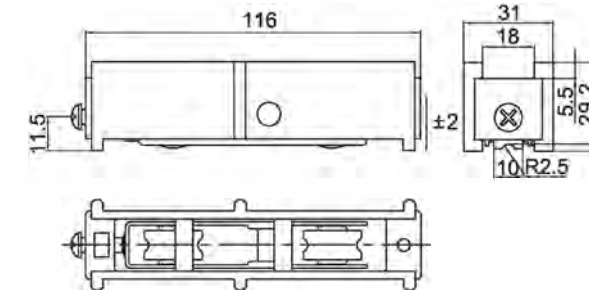
◆ Maximum bearing capacity:125kg / 2 Rollers

ML95



◆ Maximum bearing capacity:125kg / 2 Rollers


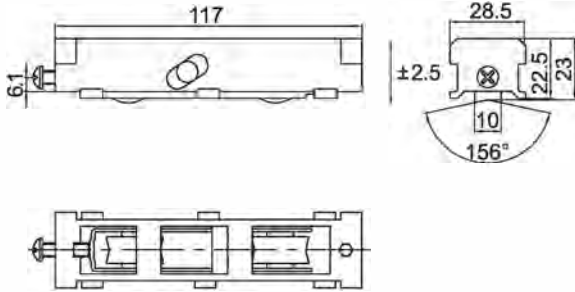

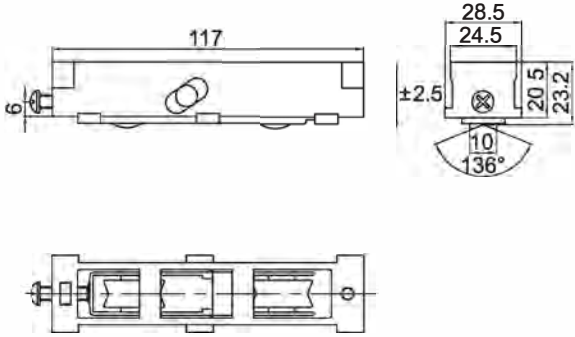

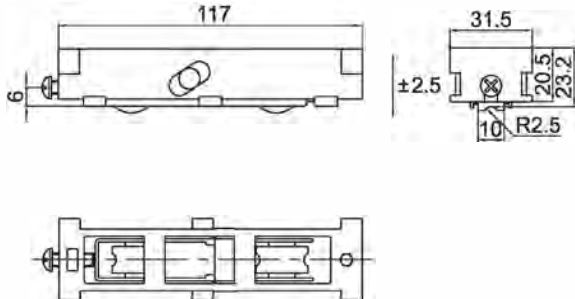
MLG30


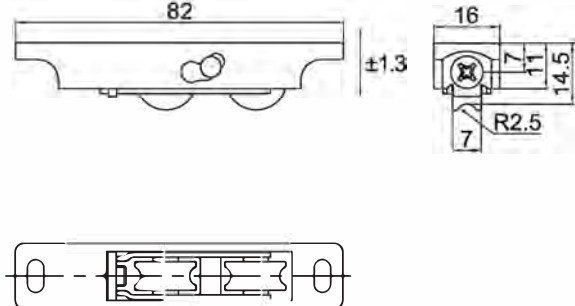

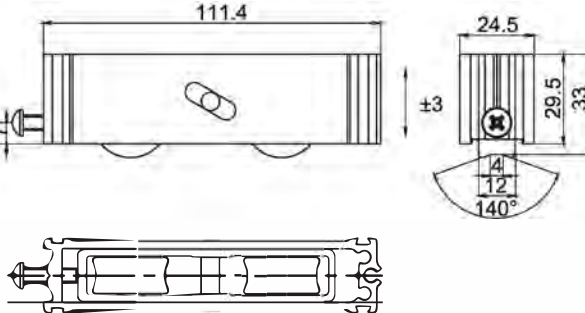

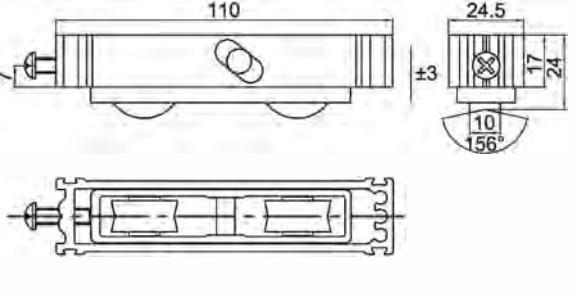


◆ Maximum bearing capacity:80kg / 2 Rollers

Double Roller Series


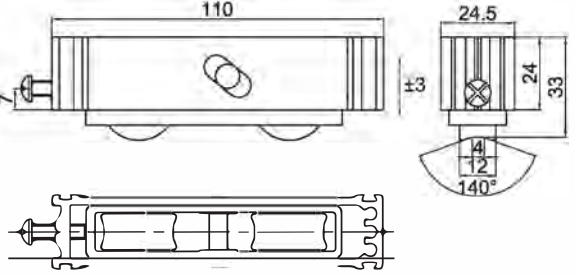

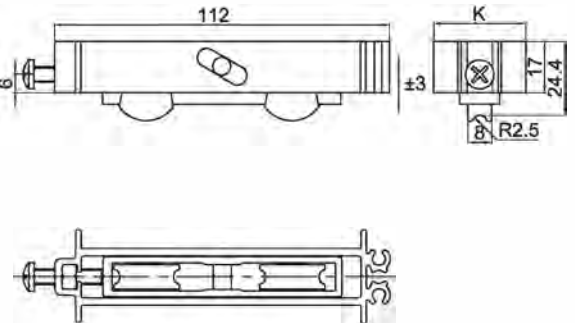

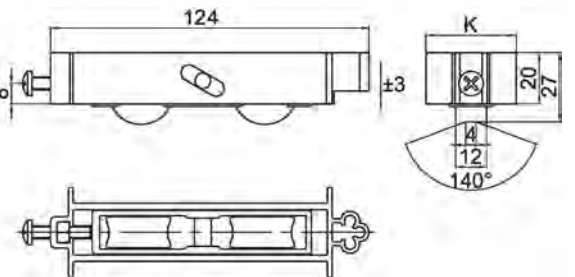
Double Roller Series


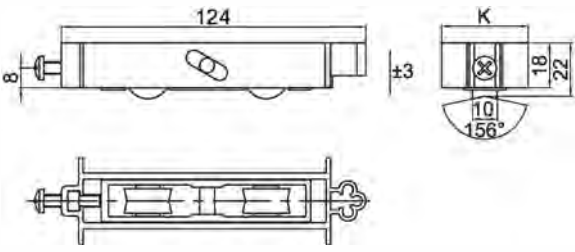

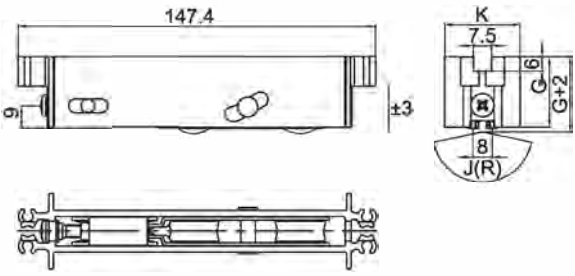

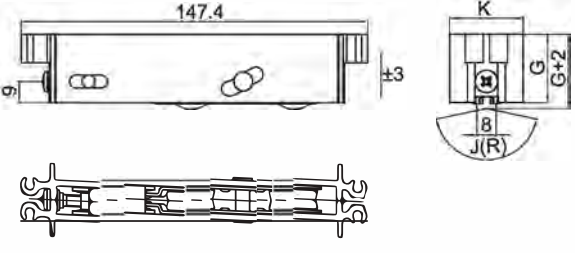
	<p>MLG70</p>  <p>◆ Maximum bearing capacity: 80kg / 2 Rollers</p>
	<p>MLG83</p>  <p>◆ Maximum bearing capacity: 80kg / 2 Rollers</p>
	<p>MLG90</p>  <p>◆ Maximum bearing capacity: 80kg / 2 Rollers</p>

	<p>ML20</p>  <p>◆ Maximum bearing capacity: 50kg / 2 Rollers</p> <p>optional metal roller code: ML20/I</p>
	<p>ML23</p>  <p>◆ Maximum bearing capacity: 90kg / 2 Rollers</p>
	<p>LSLA</p>  <p>◆ Maximum bearing capacity: 90kg / 2 Rollers</p>

Double Roller Series

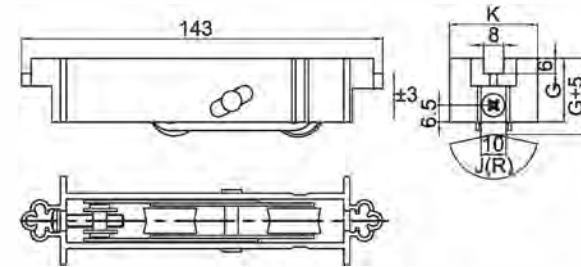
Double Roller Series

	<p>LSL-2001A</p>  <p>◆ Maximum bearing capacity: 90kg / 2 Rollers</p>
	<p>ML10A</p>  <p>◆ Maximum bearing capacity: 90kg / 2 Rollers</p> <p>K=19-31mm</p>
	<p>ML11</p>  <p>◆ Maximum bearing capacity: 90kg / 2 Rollers</p> <p>K=23-35mm</p>

	<p>ML13</p>  <p>◆ Maximum bearing capacity: 90kg / 2 Rollers</p> <p>K=23-35mm</p>																		
	<p>ML14-GKJ(R)</p>  <p>◆ Maximum bearing capacity: 110kg / 2 Rollers Select standard products as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td colspan="5">19-31 (With 0.5 mm as the unit process)</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/(R)</td> <td>J136</td> <td>J140</td> <td>J150</td> <td>R2.5</td> <td>R2.75</td> </tr> </table>	Width K(mm)	19-31 (With 0.5 mm as the unit process)					Height G (mm)	25	27	29	31	33	Angle J/(R)	J136	J140	J150	R2.5	R2.75
Width K(mm)	19-31 (With 0.5 mm as the unit process)																		
Height G (mm)	25	27	29	31	33														
Angle J/(R)	J136	J140	J150	R2.5	R2.75														
	<p>ML15-GKJ(R)</p>  <p>◆ Maximum bearing capacity: 110kg / 2 Rollers Select standard products as follows:</p> <table border="1"> <tr> <td>Width K(mm)</td> <td colspan="5">19-31 (With 0.5 mm as the unit process)</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/(R)</td> <td>J136</td> <td>J140</td> <td>J150</td> <td>R2.5</td> <td>R2.75</td> </tr> </table>	Width K(mm)	19-31 (With 0.5 mm as the unit process)					Height G (mm)	25	27	29	31	33	Angle J/(R)	J136	J140	J150	R2.5	R2.75
Width K(mm)	19-31 (With 0.5 mm as the unit process)																		
Height G (mm)	25	27	29	31	33														
Angle J/(R)	J136	J140	J150	R2.5	R2.75														

Double Roller Series

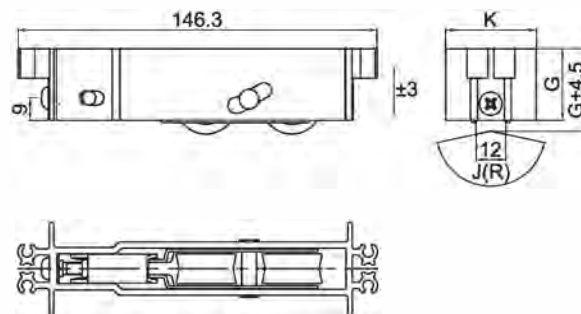
ML16A-GKJ(R)



- ◆ Maximum bearing capacity: 110kg / 2 Rollers
Select standard products as follows:

Width K(mm)	22-35(With 0.5 mm as the unit process)					
Height G (mm)	25	27	29	31	33	
Angle J/(R)	J136	J140	J150	J156	R2.75	R3.5 R5

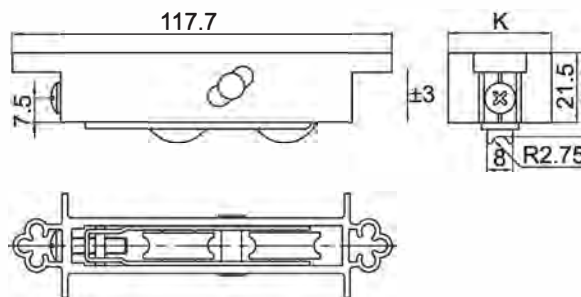
ML19-GKJ(R)



- ◆ Maximum bearing capacity: 110kg / 2 Rollers
Select standard products as follows:

Width K(mm)	23.5-40(With 0.5 mm as the unit process)					
Height G (mm)	25	27	29	31	33	
Angle J/(R)	J150	J156	J160	R10	R12	R15

CML301

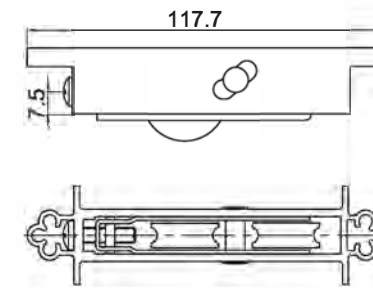


- ◆ Maximum bearing capacity:
80kg / 2 Rollers

K=18.5-32mm

Double Roller Series

CML302

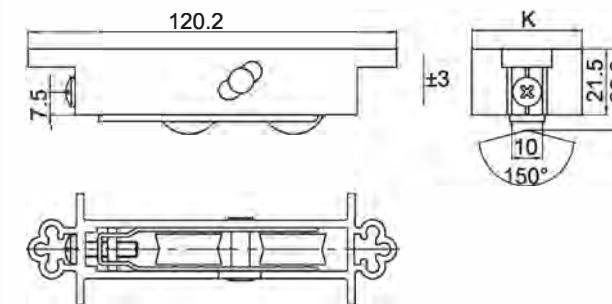


- ◆ Maximum bearing capacity:
90kg / 2 Rollers

K=18.5-32mm



CML311

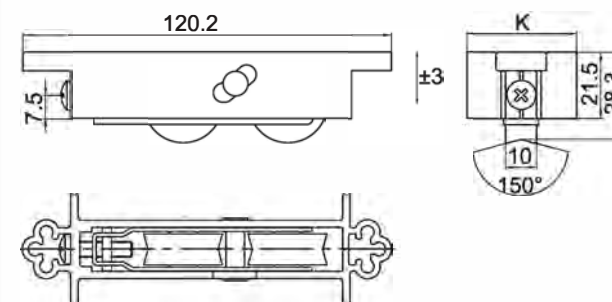


- ◆ Maximum bearing capacity:
90kg / 2 Rollers

K=20.5-36mm



CML312




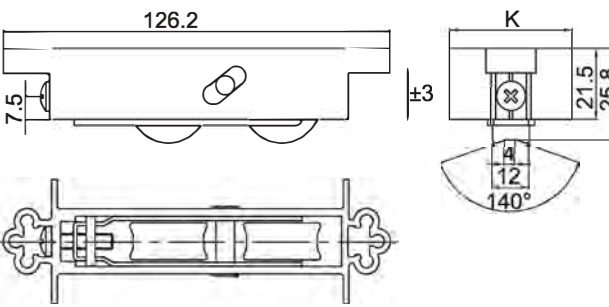
- ◆ Maximum bearing capacity:
90kg / 2 Rollers

K=20.5-36mm



Double Roller Series


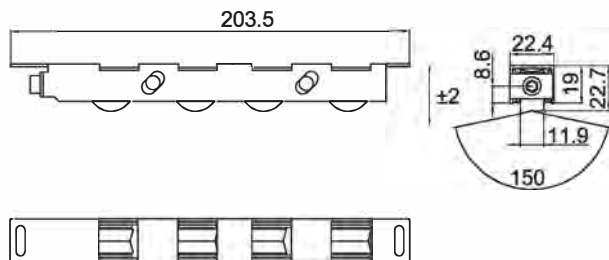
CML322

K=22.5-40mm

- ◆ Maximum bearing capacity: 90kg / 2 Rollers

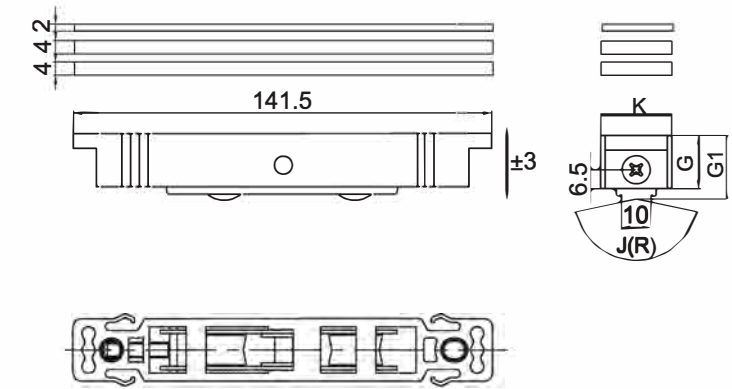
ML60G19K22.5F




- ◆ Maximum bearing capacity: 150kg / 2 Rollers

Double Roller Series

Double Roller MLG17



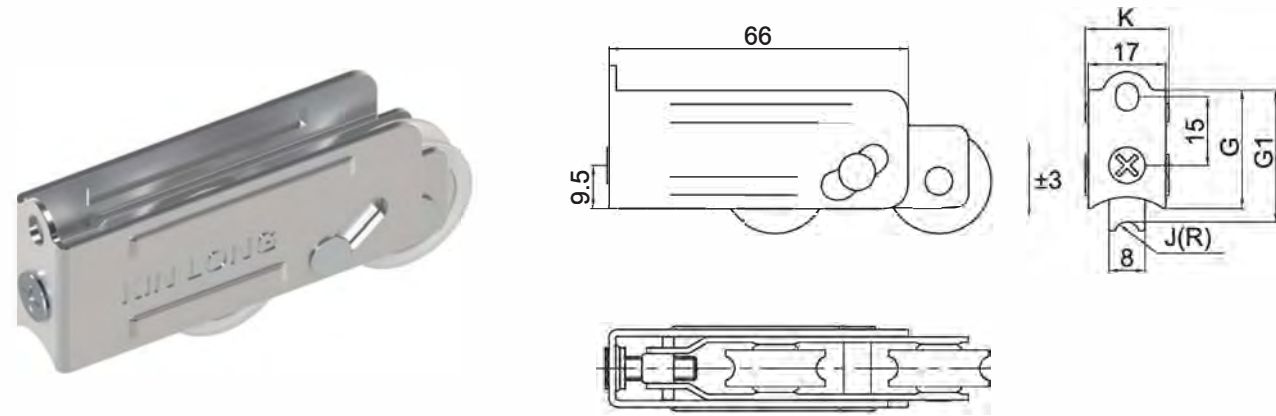
- ◆ Bearing capacity: 80kg/2 rollers
- ◆ Adjustment: ±3mm
- ◆ Fastening screw: self-tapping screw ST4.2
- ◆ Adjusting screw hole location: G-6.5mm

MLG17-G Outer cover height parameter J(R) roller shape parameter														
Features	K (width)	G (outer cover height)	G1 (overall Height)	J(R) (optional wheel shape)										
				Arc shape		Angle shape		Special shape						
1. Roller height can be changed by adding gasket of different specification. 2. Roller outer cover is made of high-strength engineering plastics and has plastic spring at the two sides.	24 (Applicable to profile width: 21.5~24mm)			wheel width										
								18	21.5					
								20	23.5					
					22	25.5								
					24	27.5	R1.5	R2.5	J120	J136	J140K1.7			
					26	29.5	R2.15	R2.75	J130	J140				
					28	31.5	R3.25	R3.5	J146	J150				
					26	29.5	R4	R5						
					★ Different roller shape will generate 0.5~1mm tolerance to the overall height									

Unit: mm

Double Roller Series

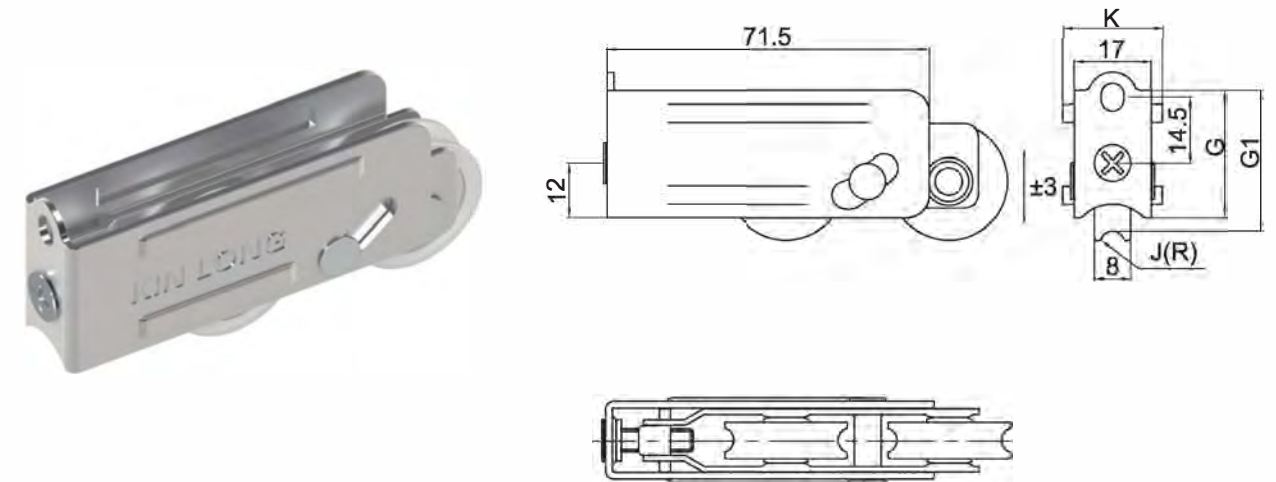
Double Roller ML55G26 Series



- ◆ Bearing capacity: 80kg/2 rollers
- ◆ Adjustment: ±3mm
- ◆ Fastening screw: self-tapping screw ST4.2
- ◆ Adjusting screw hole location: 15mm to the fixing hole

Double Roller Series

Double Roller ML55G28 Series



- ◆ Bearing capacity: 80kg/2 rollers
- ◆ Adjustment: ±3mm
- ◆ Fastening screw: self-tapping screw ST4.2
- ◆ Adjusting screw hole location: 14.5mm to the fixing hole

ML55G26K Height parameter of outer cover J(R) roller shape parameter									
Features	K (width)	G (outer cover height)	G1 (overall Height)	J(R) (optional wheel shape)					
				wheel width					
1. Roller outer cover adopts high-quality carbon steel, its super-weatherability of surface finish ensures its good anti-corrosion performance. 2. Multi-options for the bearings, and also can fit some profile with special sliding track	17	26	29	Arc shape	Angle shape	Special shaped			
	18.5								
	19.5								
	20			8	R1.5	R2.5	J120	J136	
	21				R2.15	R2.75	J130	J140	
	22				R3.25	R3.5	J146	J150	J140K1.7
	23				R4	R5			
	24								
	25								

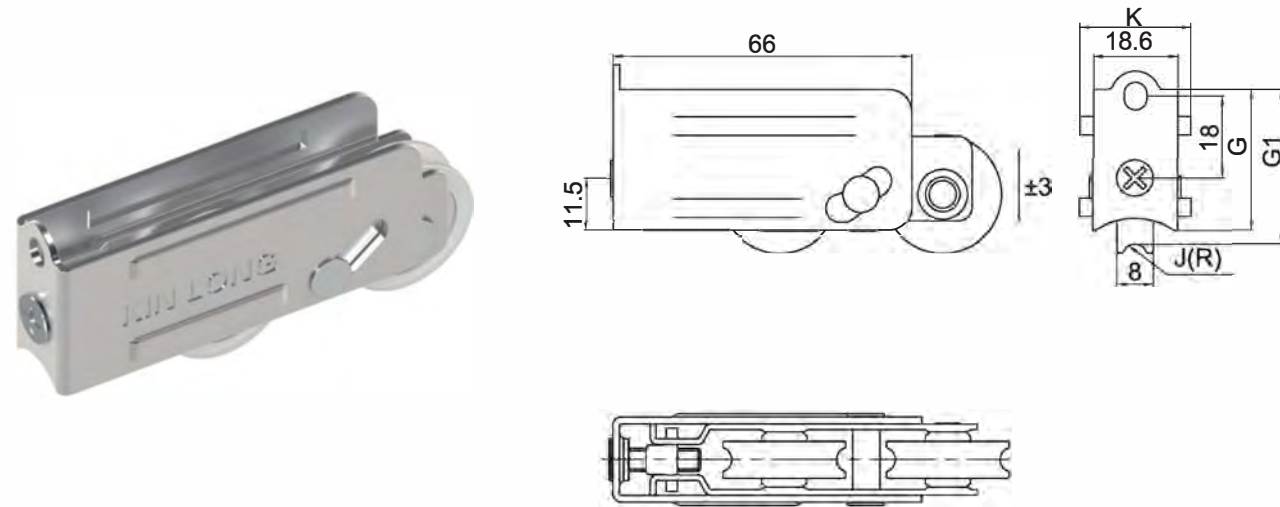
Unit: mm

ML55G28K Height parameter of outer cover J(R) roller shape parameter									
Features	K (width)	G (outer cover height)	G1 (overall Height)	J(R) (optional wheel shape)					
				wheel width					
1. Roller outer cover adopts high-quality carbon steel, its super-weatherability of surface finish ensures its good anti-corrosion performance. 2. Multi-options for the bearings, and also can fit some profile with special sliding track	17	28	31	Arc shape	Angle shape	Special shaped			
	18.5								
	19.5								
	20			8	R1.5	R2.5	J120	J136	
	21				R2.15	R2.75	J130	J140	
	22				R3.25	R3.5	J146	J150	J140K1.7
	23				R4	R5			
	24								

Unit: mm

Double Roller Series

Double Roller ML55G31 Series



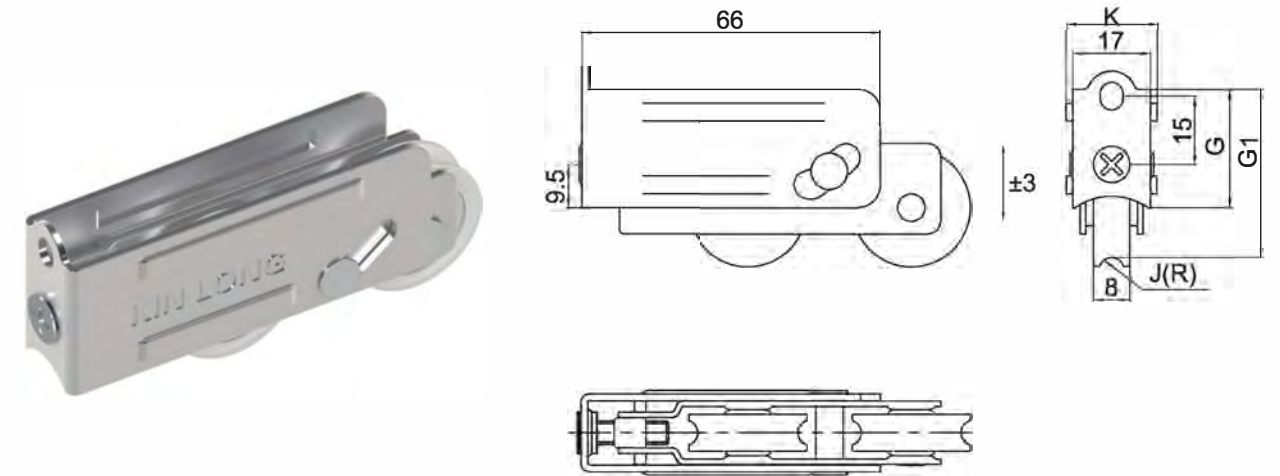
- ◆ Bearing capacity: 80kg/2 rollers
- ◆ Adjustment: ±3mm
- ◆ Fastening screw: self-tapping screw ST4.2
- ◆ Adjusting screw hole location: 18mm to the fixing hole

ML55G31K Height parameter of outer cover J(R) roller shape parameter										
Features	K (width)	G (outer cover height)	G1 (overall Height)	J(R) (optional wheel shape)						
				Arc shape		Angle shape	Special shaped			
1. Roller outer cover adopts high-quality carbon steel, its super-weatherability of surface finish ensures its good anti-corrosion performance. 2. Multi-options for the bearings, and also can fit some profile with special sliding track	18.6	31	34	wheel width	Arc shape		Angle shape	Special shaped		
	20				R1.5 R2.5		J120	J136		
	21				R2.15 R2.75		J130	J140		
	22				R3.25 R3.5		J146	J150	J140K1.7	
	22.5				R4 R5					
	23				R6.5 R8		J156	J160	J140K3 J140K4	
	23.5				R10 R12		J164		J150K3	
	24				★ Different bearing shape will generate 0.5~1mm tolerance to the overall height					
	24.5									
	25									
	25.5									
	26									
	26.5									

Unit: mm

Double Roller Series

Double Roller ML55G26 Series




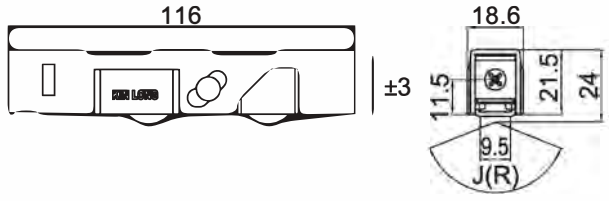
- ◆ Bearing capacity: 80kg/2 rollers
- ◆ Adjustment: ±3mm
- ◆ Fastening screw: self-tapping screw ST4.2
- ◆ Adjusting screw hole location: 15mm to the fixing hole

ML56G26K Height parameter of outer cover J(R) roller shape parameter										
Features	K (width)	G (outer cover height)	G1 (overall Height)	J(R) (optional wheel shape)						
				Arc shape		Angle shape	Special shaped			
1. Roller outer cover adopts high-quality carbon steel, its super-weatherability of surface finish ensures its good anti-corrosion performance. 2. Multi-options for the bearings, and also can fit some profile with special sliding track	17	26	37	wheel width	Arc shape		Angle shape	Special shaped		
	18.5				R1.5 R2.5		J120	J136		
	19.5				R2.15 R2.75		J130	J140		
	20				R3.25 R3.5		J146	J150	J140K1.7	
	21				R4 R5					
	22				R6.5 R8		J156	J160	J140K3 J140K4	
	23				R10 R12		J164		J150K3	
	24				★ Different bearing shape will generate 0.5~1mm tolerance to the overall height					
	25									

Unit: mm

Roller ML51 Series

Roller main body ML51G21.5K18.6-J(R)


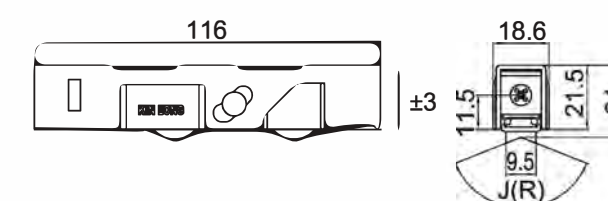



- ◆ Maximum bearing capacity: 100kg / 2 Rollers
- ◆ Standard option for angles as follows

Angle J/Radian R	J136	J140	J150	R2.5	R2.75	R5
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Roller ML51 Series

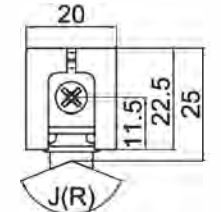
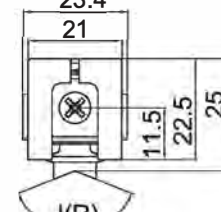
Roller main body ML51G21.5K18.6-J(R)

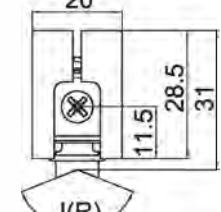

- ◆ Maximum bearing capacity: 100kg / 2 Rollers
- ◆ Standard option for angles as follows

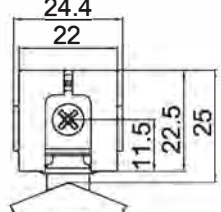
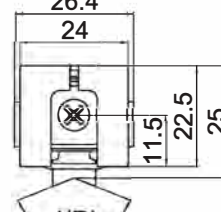
Angle J/Radian R	J136	J140	J150	R2.5	R2.75	R5
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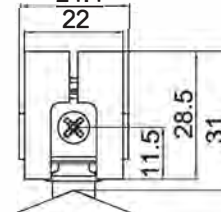
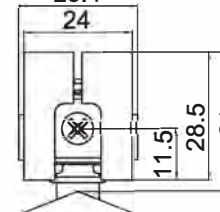
Roller outer cover (2 pieces each one roller)

ML51G22.5K20-J(R)		ML51G22.5K22-J(R)	
	<p>combination</p>  <p>Note: $20.5 \leq W < 21.5$ W compatible profile width</p>		<p>combination</p>  <p>Note: $21.5 \leq W < 22.5$ W compatible profile width</p>
WT51-01		WT51-02	

Roller outer cover (2 pieces each one roller)


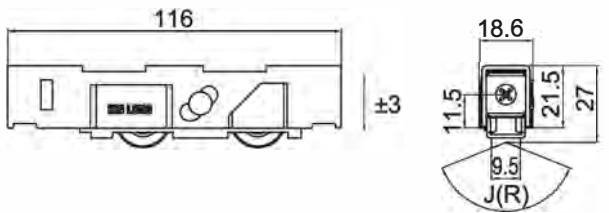
ML51G28.5K20-J(R)		ML51G28.5K22-J(R)	
	<p>combination</p>  <p>Note: $20.5 \leq W < 21.5$ W compatible profile width</p>		<p>combination</p>  <p>Note: $21.5 \leq W < 22.5$ W compatible profile width</p>
WT51-11		WT51-12	

ML51G22.5K23-J(R)		ML51G22.5K25-J(R)	
	<p>combination</p>  <p>Note: $22.5 \leq W < 24.5$ W compatible profile width</p>		<p>combination</p>  <p>Note: $24.5 \leq W < 26.5$ W compatible profile width</p>
WT51-03		WT51-04	

ML51G28.5K23-J(R)		ML51G28.5K25-J(R)	
	<p>combination</p>  <p>Note: $22.5 \leq W < 24.5$ W compatible profile width</p>		<p>combination</p>  <p>Note: $24.5 \leq W < 26.5$ W compatible profile width</p>
WT51-13		WT51-14	

Roller ML52 Series

Roller main body ML52G21.5K18.6-J(R)


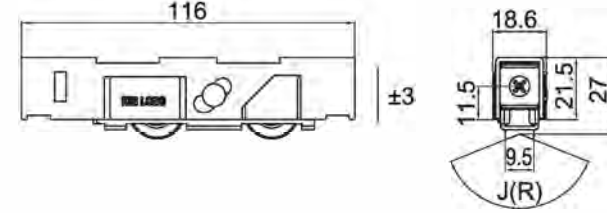



- ◆ Maximum bearing capacity: 100kg / 2 Rollers
- ◆ Standard option for angles as follows

Angle J/ Radian R	J136	J140	J150	R2.5	R2.75	R5

Roller ML52 Series

Roller main body ML52G21.5K18.6-J(R)

- ◆ Maximum bearing capacity: 100kg / 2 Rollers
- ◆ Standard option for angles as follows

Angle J/ Radian R	J136	J140	J150	R2.5	R2.75	R5

Roller outer cover (2 pieces each one roller)

ML52G22.5K20-J(R)		ML52G22.5K22-J(R)	
WT51-01	Note: 20.5 ≤ W < 21.5 W compatible profile width	WT51-02	Note: 21.5 ≤ W < 22.5 W compatible profile width

Roller outer cover (2 pieces each one roller)


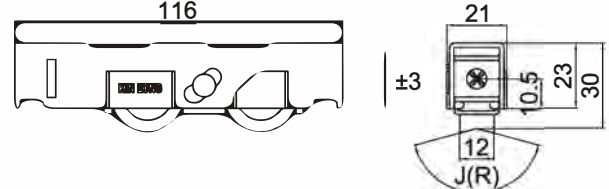
ML52G28.5K20-J(R)		ML52G28.5K22-J(R)	
WT51-11	Note: 20.5 ≤ W < 21.5 W compatible profile width	WT51-12	Note: 21.5 ≤ W < 22.5 W compatible profile width

ML52G22.5K23-J(R)		ML52G22.5K25-J(R)	
WT51-03	Note: 22.5 ≤ W < 24.5 W compatible profile width	WT51-04	Note: 24.5 ≤ W < 26.5 W compatible profile width

ML52G28.5K23-J(R)		ML52G28.5K25-J(R)	
WT51-13	Note: 22.5 ≤ W < 24.5 W compatible profile width	WT51-14	Note: 24.5 ≤ W < 26.5 W compatible profile width

Roller ML53 Series

Roller main body ML53G23K21-J(R)


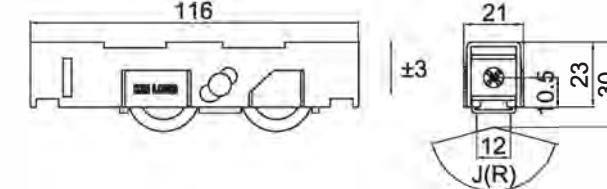



- ◆ Maximum bearing capacity:100kg / 2 Rollers
- ◆ Standard option for angles as follows

Angle J/ Radian R	J156	J160	J164	R8	R10	R12

Roller ML53 Series


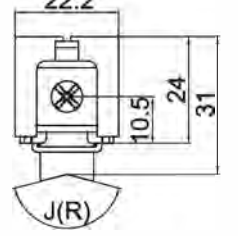

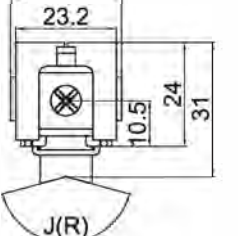
Roller main body ML53G23K21-J(R)


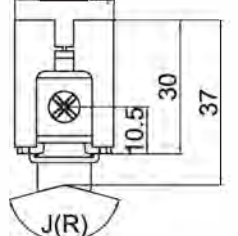

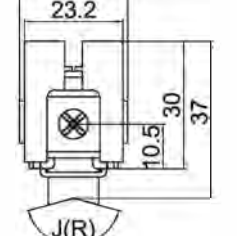
- ◆ Maximum bearing capacity:100kg / 2 Rollers
- ◆ Standard option for angles as follows


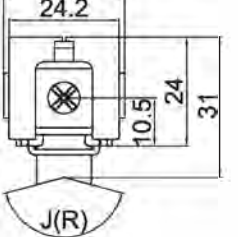

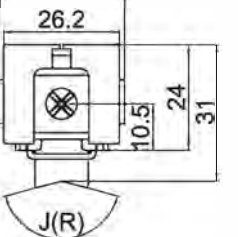
Angle J/ Radian R	J156	J160	J164	R8	R10	R12


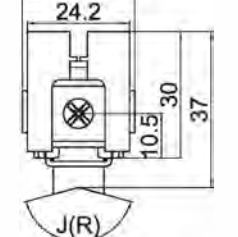

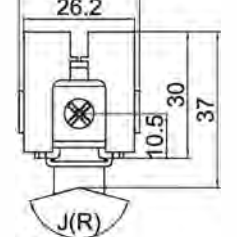
Roller outer cover (2 pieces each one roller)

ML53G24K23-J(R)		ML53G24K25-J(R)	
	 <p>Note: $22.5 \leq W < 23.5$ W compatible profile width</p>		 <p>Note: $23.5 \leq W < 25$ W compatible profile width</p>

Roller outer cover (2 pieces each one roller)


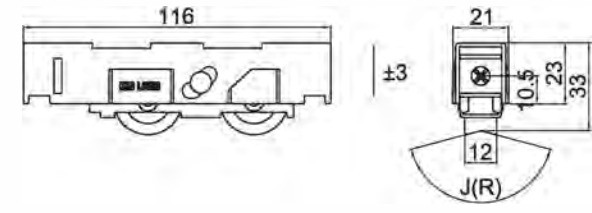
ML53G30K23-J(R)		ML53G30K25-J(R)	
	 <p>Note: $22.5 \leq W < 23.5$ W compatible profile width</p>		 <p>Note: $23.5 \leq W < 25$ W compatible profile width</p>

ML53G24K26-J(R)		ML53G24K28-J(R)	
	 <p>Note: $25 \leq W < 26$ W compatible profile width</p>		 <p>Note: $26 \leq W < 28$ W compatible profile width</p>

ML53G30K26-J(R)		ML53G30K28-J(R)	
	 <p>Note: $25 \leq W < 26.5$ W compatible profile width</p>		 <p>Note: $26.5 \leq W < 28$ W compatible profile width</p>

Roller ML54 Series

Roller main body ML54G23K21-J(R)


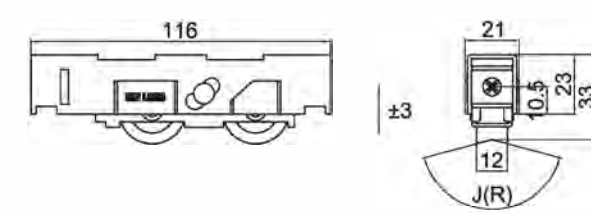



- ◆ Maximum bearing capacity:100kg / 2 Rollers
- ◆ Standard option for angles as follows

Angle J/ Radian R	J156	J160	J164	R8	R10	R12

Roller ML54 Series


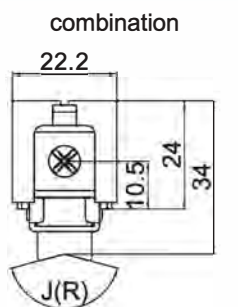

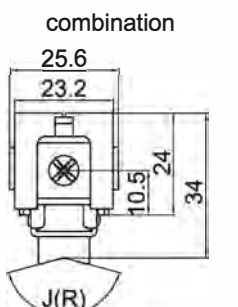
Roller main body ML54G23K21-J(R)


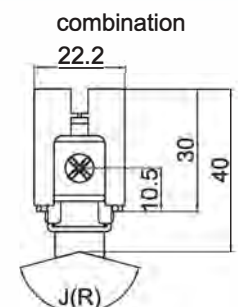

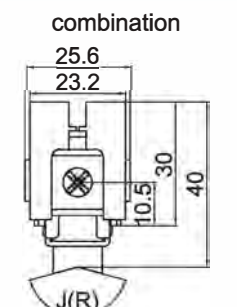
- ◆ Maximum bearing capacity:100kg / 2 Rollers
- ◆ Standard option for angles as follows


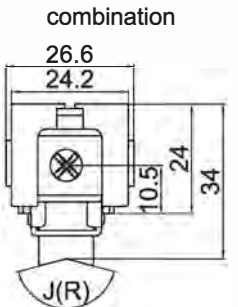

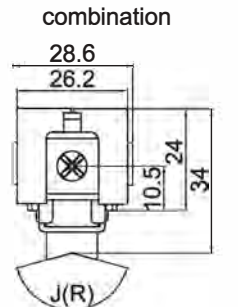
Angle J/ Radian R	J156	J160	J164	R8	R10	R12


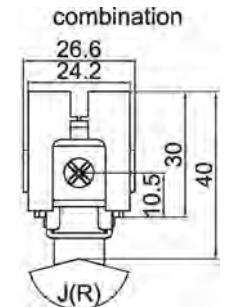

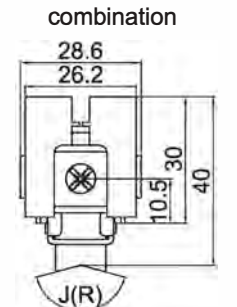
Roller outer cover (2 pieces each one roller)

ML54G24K23-J(R)		ML54G24K25-J(R)	
			
WT51-01	Note: 22.5 ≤ W < 23.5 W compatible profile width	WT51-02	Note: 23.5 ≤ W < 25 W compatible profile width

Roller outer cover (2 pieces each one roller)

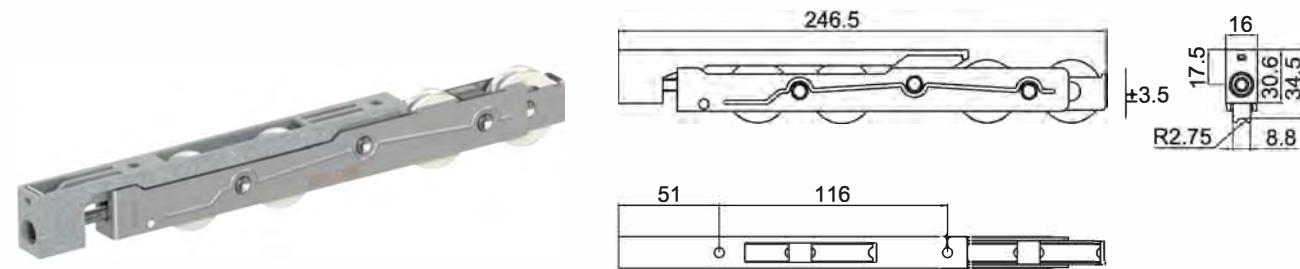
ML54G30K23-J(R)		ML54G30K25-J(R)	
			
WT51-11	Note: 22.5 ≤ W < 23.5 W compatible profile width	WT51-12	Note: 23.5 ≤ W < 25 W compatible profile width

ML54G24K26-J(R)		ML54G24K28-J(R)	
			
WT51-03	Note: 25 ≤ W < 26 W compatible profile width	WT51-04	Note: 26 ≤ W < 28 W compatible profile width

ML54G30K26-J(R)		ML54G30K28-J(R)	
			
WT51-13	Note: 25 ≤ W < 26.5 W compatible profile width	WT51-14	Note: 26.5 ≤ W < 28 W compatible profile width

Roller Series

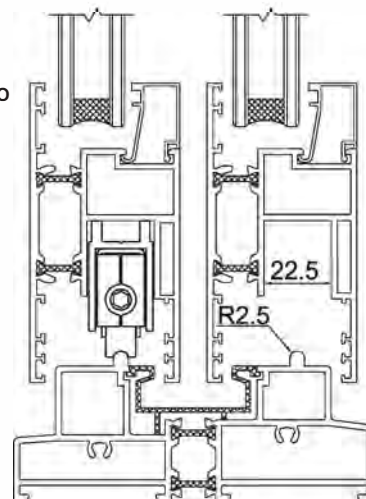
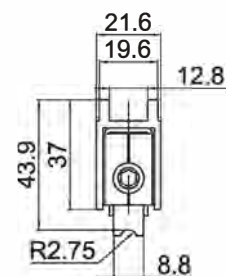
Roller MLF18



- ◆ Bearing capacity: 240kg/2 rollers
- ◆ Adjustment: ± 3.5 mm
- ◆ Fastening screw: self-tapping screw ST4.2
- ◆ Adjusting screw hole location: 17.5mm

MLF18-TLTS

MLF18 roller can use aluminium cover to match with the lift&sliding profile.



Features

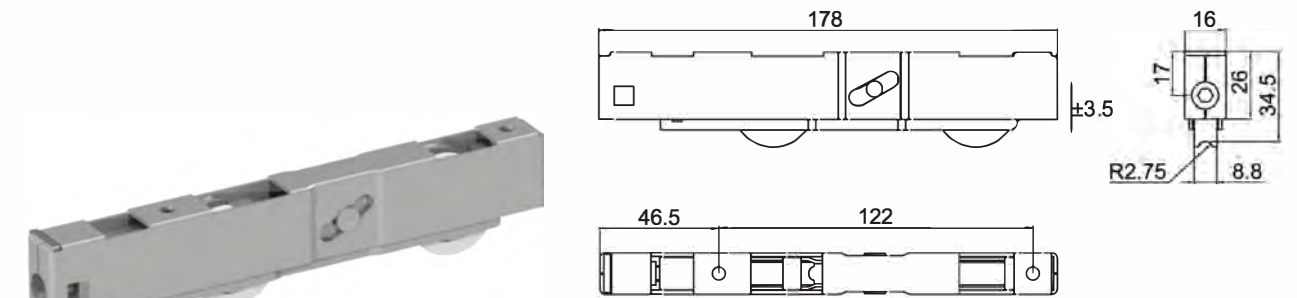
1. Roller base adopts high quality Zinc alloy with casting procedures, and features high strength and heavy bearing capacity. sand-blasting finish is artistic and elegant with good anti-corrosion performance.

2. The roller adopts engineering plastic with self-lubrication characteristics. It can operate smoothly and match with different sliding rails with different shapes.

3. The self-balance structure design and high bearing capacity make heavy sliding doors operate easily and comfortably. There's anti-drop back buckle structure in the screw, which makes sure that screws will not fall off during transportation or application.

Roller Series

Roller ML17



- ◆ Bearing capacity: 140kg/2 rollers
- ◆ Adjustment: ± 3.5 mm
- ◆ Fastening screw: self-tapping screw ST4.2
- ◆ Adjusting screw hole location: 17mm

Features

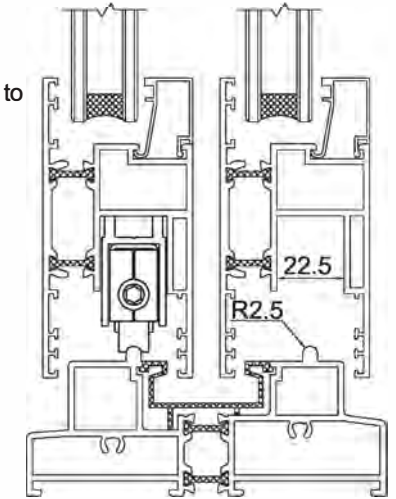
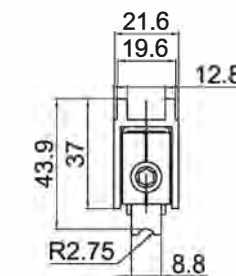
1. Hairline surface finish makes the roller artistic and elegant.

2. The roller adopts engineering plastic with self-lubrication characteristics. It can operate smoothly and match with different sliding rails with different shapes.

3. Active insert design makes it can be adjusted smoothly and steadily. There's anti-drop card ring device in the screw, which makes sure that screws will not fall off during transportation or application.

ML17-TLTS

ML17 roller can use aluminium cover to match with the lift&sliding profile.



Roller Series

CML25G20K12

◆ Maximum bearing capacity: 90kg / 2 Rollers

CML25G25K12	CML25G20K15	CML25G25K15

Lift&Sliding Roller Series

H50

◆ Used together with H51, H52
Max bearing capacity: 300kg

H51

◆ Used together with H51, H52
Max bearing capacity: 300kg

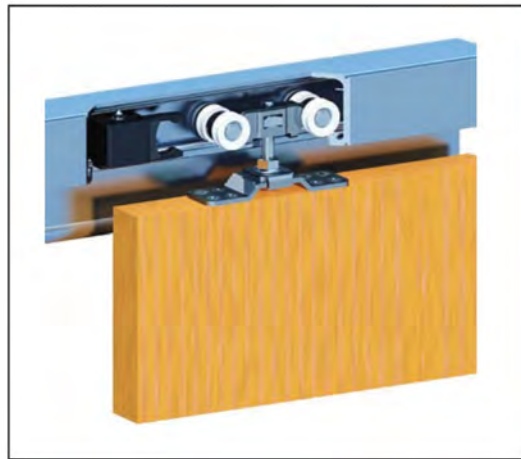
H52

◆ Used together with H51, H52
Max bearing capacity: 300kg

Sliding pulley series

sliding pulley CYML01

Sliding pulley, a device used for carrying the weight of door sash and making the door sash move along the fixed rail. the stopper for positioning the door sash is designed at the two sides of the rail and the guide wheel which can keep the door sash vertical and guide it to move is put at the lower door sash. The device is designed as the adjustable structure which can make the door sash be lifted or lowered in the vertical direction.



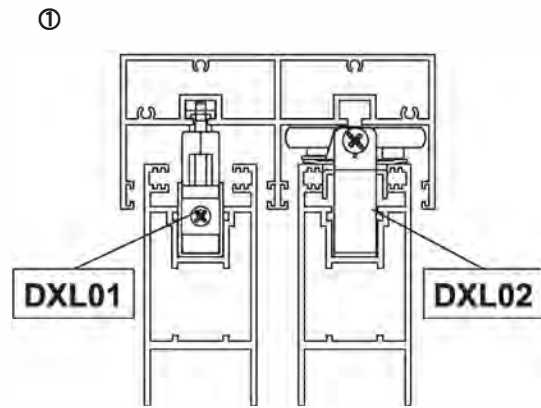
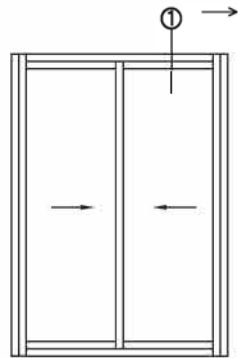
Sliding pulley series

	<p>CYML01</p> <p>Sliding pulley Main function: bearing the weight of door sash, patent structure, with self-balancing function</p>	
<p>★ One set of sliding pulley includes: pulley*2, stopper*2, anti-sway device*1, spanner*1, some self-tapping screws ★ The length of guide rail depends on the size of door</p>	<p>CXWQ01</p> <p>Stopper Main function: for positioning the sliding door and protection of hardware, multi-buffer to prevent the frame and sash collision</p>	
<p>CDGXC01</p> <p>Guide rail Anodizing treatment</p>	<p>CDGXC02</p> <p>Decoration cover Decorative function and anodizing treatment</p>	<p>CXDL01</p> <p>Bottom guide roller Main function: guiding the direction of the sliding door, preventing swing when open and central hole can be adjusted slightly.</p>

guide rail+decoration panel guide rail

- ★ Bearing weight, maximum bearing capacity: 80kg / 2 Rollers
- ★ Adjustment: ±5mm
- ★ Material: Main material is carbon structural steel, and the surface treatment adopts new process of good anti-corrosion.
- ★ Guide rail can be used independently or together with the decoration panel

Guiding Roller Series

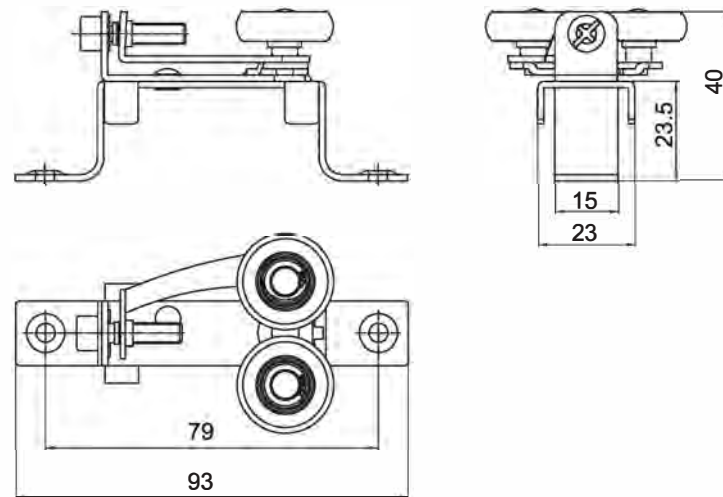


Damping Guiding Roller DXL01



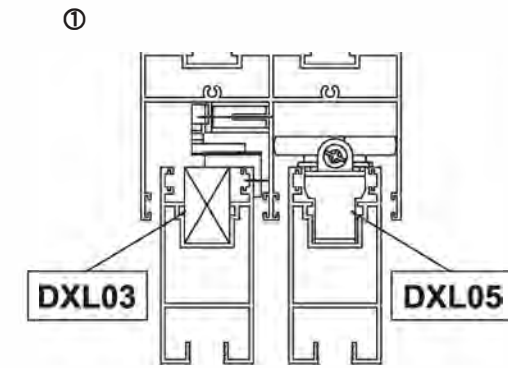
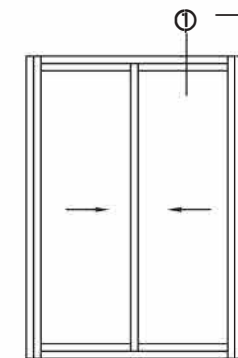
A brand new designed fitting for sliding window and door, which not only has the guiding function, but also has damping buffering effect. Up-and-down retractable design makes it easy to install and applicable to profile with different height.

Adjustable Guiding Roller DXL02



Adjustment range of adjustable guiding roller is 31-47.5mm

Guiding Roller Series

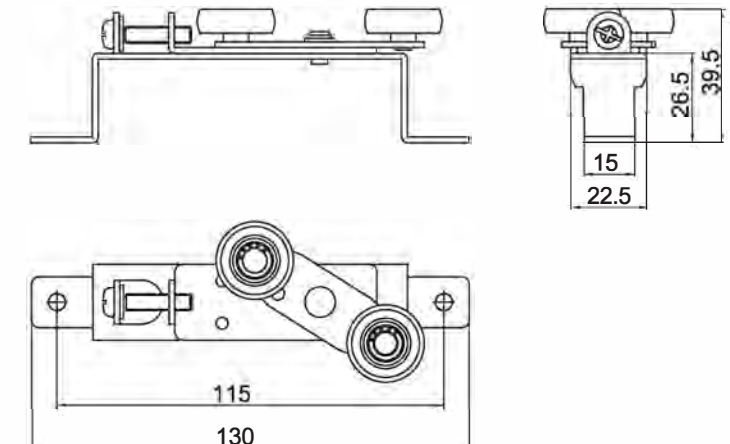


Damping Guiding Roller DXL03



A fitting for sliding window and door with the humanized design concept, functions as a safe buffer to prevent the frame and sash collision and anti-pinch


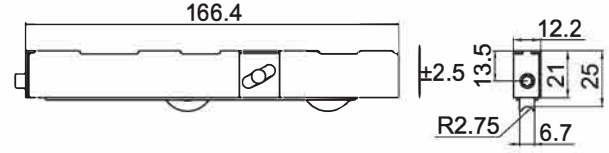


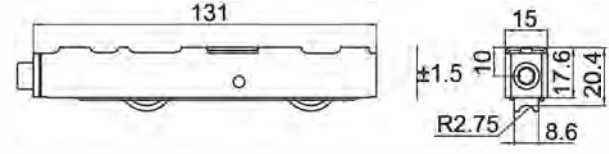
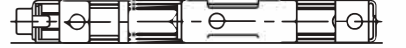

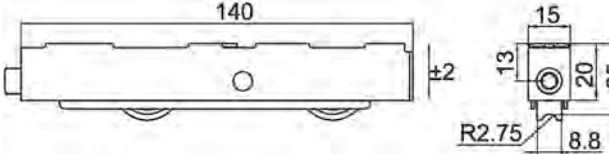

Adjustable Guiding Roller DXL05


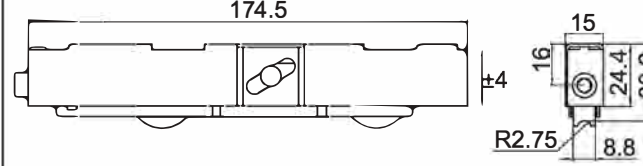
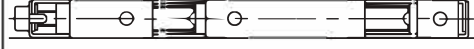

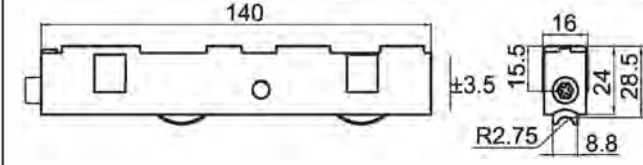


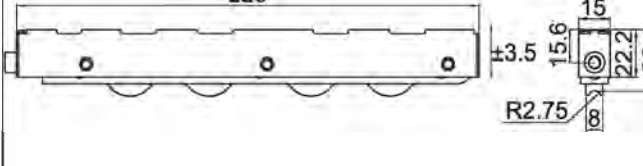



Adjustment range of adjustable guiding roller is 38.5-60mm


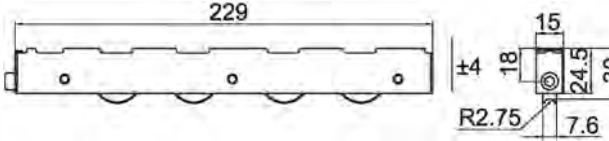

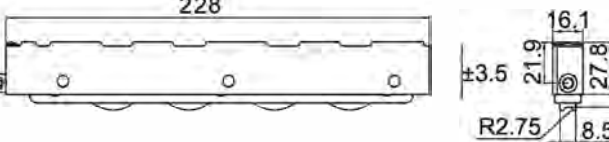

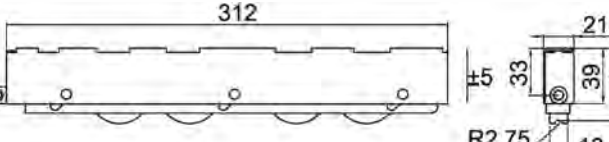
Hardcover roller series

Hardcover roller series

	<p>ML60G21K12</p>   <p>◆ Maximum bearing capacity:60kg / 2 Rollers</p>
	<p>ML60G18K15</p>   <p>◆ Maximum bearing capacity:60kg / 2 Rollers</p>
	<p>ML60G20K15</p>   <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>

	<p>ML60G24K15</p>   <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>
	<p>ML60G24K16</p>   <p>◆ Maximum bearing capacity:80kg / 2 Rollers</p>
	<p>ML60G21K15F</p>   <p>◆ Maximum bearing capacity:180kg / 2 Rollers</p>

Hardcover roller series

	<p>ML60G24.5K15F</p>  <p>◆ Maximum bearing capacity: 180kg / 2 Rollers</p>
	<p>ML60G28K16F</p>  <p>◆ Maximum bearing capacity: 200kg / 2 Rollers</p>
	<p>ML60G39K21.5F</p>  <p>◆ Maximum bearing capacity: 320kg / 2 Rollers</p>

IV. Friction Stay and Pegstay Series



Key points for selecting Kinlong friction stay and pegstay

1. Selection of the self-tapping Screw

- ◆ Adopt stainless steel ST4.2 self-tapping screws, including countersunk screws and 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



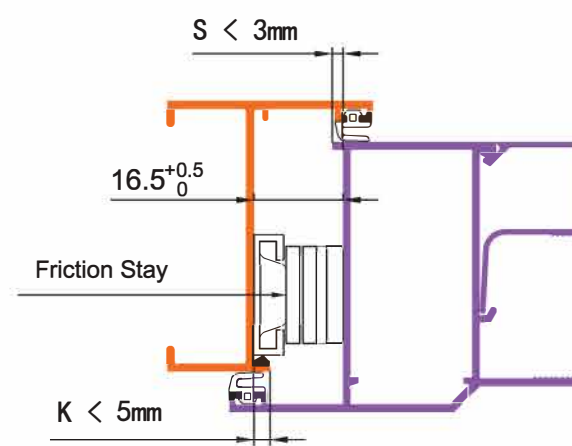
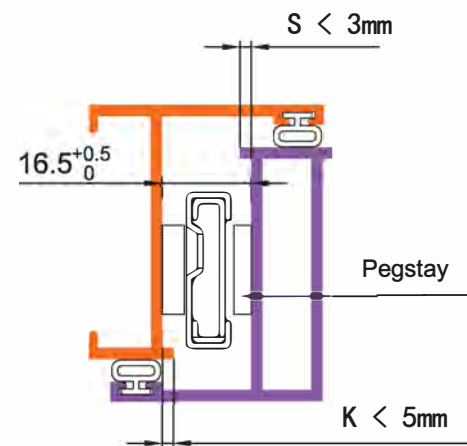
Pan-head screw

2. Selection of the friction stay

- ◆ Safety loading capacity = Total weight (Glass + Window sash & profile) × 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.

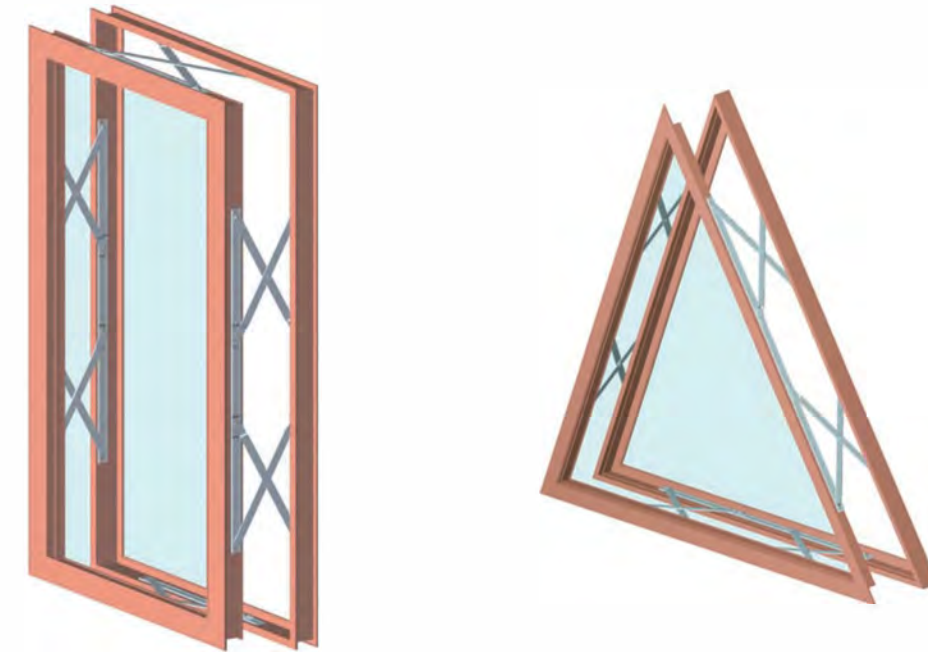
3. Required installation dimension of hardware for Aluminium profile

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 HC825 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 HC825 series for parallel window is optimized and improved and its bearing capacity can be up to 160kg, 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.

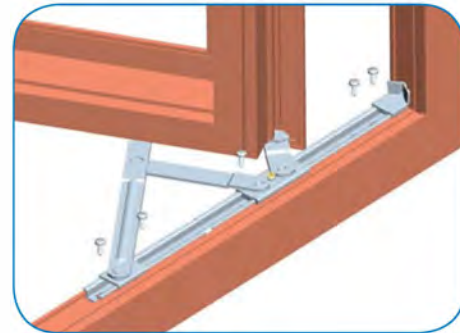
◆ Special reinforcing block design, makes it high-strengthed

◆ Adjustable rivet design makes it easy to install

Friction stay HCC40/ HCC60 Series

Friction stay HCC40

- ◆ Applicable to European standard C-groove open-out side-hung window Max bearing capacity is 39kg.

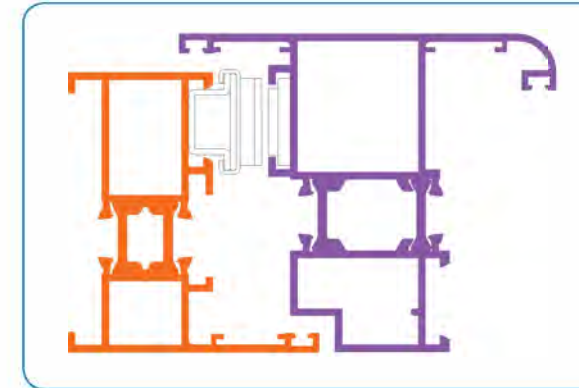


Friction stay HCC60

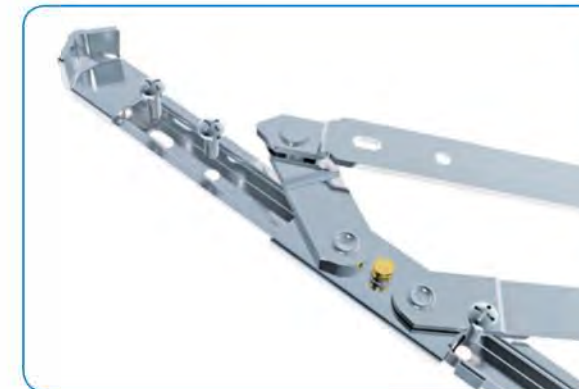
- ◆ Applicable to European standard C-groove Top-hung window Max bearing capacity is 65kg.



Friction stay HCC40/ HCC60 Series



- ◆ Perfectly applicable to European standard C-groove profile
- ◆ Greatly improved the installation efficiency and precision, keep the window in perfect shape without damaging profile



- ◆ Adopt Unique " 几 " shape track, which can effectively solve the milling profile problem during installation and improve the installation efficiency.
- ◆ Installing the screw inside the track can improve the bearing capacity.



- ◆ High-strength stainless steel slider design effectively improve the bearing capacity.
- ◆ Matched with high-quality sliding shim makes it shock-absorbing and wear-resisting and slide smoothly.

Open-out side-hung Friction stay WJL50 Series

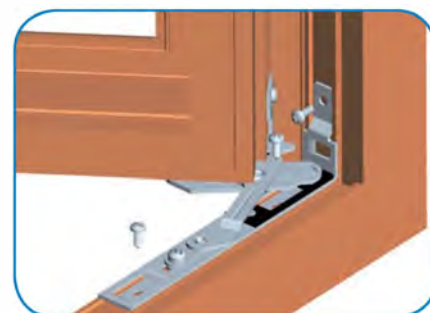
WJL50 (Standard type)

- ◆ Applicable to European standard C-groove open-out side-hung window;
- ◆ Adopt the clamping shim and fastening screws to fix, easy to install and adjust.



WJL50-J (Basic type)

- ◆ Applicable to European standard C-groove open-out side-hung window
- ◆ Adopt the self-tapping screw to fix and the bending arm makes the installation easy and fast



Open-out side-hung Friction stay WJL100 Series

WJL100 (Ordinary type)

- ◆ Product Serialization Wide Application Delicate and Nice Appearance Bearing capacity is up to 65kg.



WJL100(Basic C-groove)



WJL100/I (Standard C-groove)



WJL100/II (without groove)

WJL100D (Positioning type)

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



WJL100D(Basic C-groove)



WJL100D/I (Standard C-groove)



WJL100D/II (without groove)

Selecting principle:

1. for WJL100 and WJL100/II, no need to distinguish the window type, 1 left type and 1 right type for each window;
2. for WJL100/I, please refer to the table as below;
3. WJL100D selection principle is the same as above WJL100.

Window type	Code	Main body	Clamp block
Left-handed window	WJL100L/I-S (Upper left)	WJL100R	L-S
	WJL100L/I-X (Lower left)	WJL100L	L-X
Right-handed window	WJL100R/I-S (Upper right)	WJL100L	R-S
	WJL100R/I-X (Lower right)	WJL100R	R-X

Disengagement Preventer FTQ25 Series

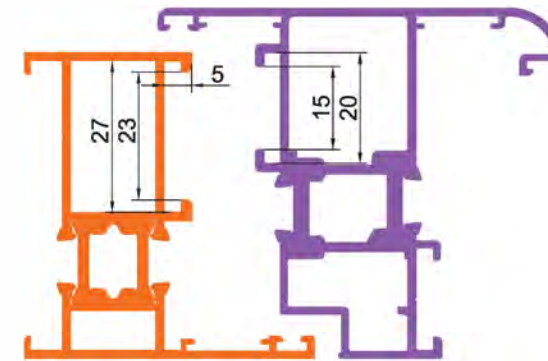
Disengagement Preventer is an anti-fallout device, which is fixed between window frame and sash by Stainless steel cable. When the window sash is disengaged from the frame accidentally, it can prevent the sash from falling.



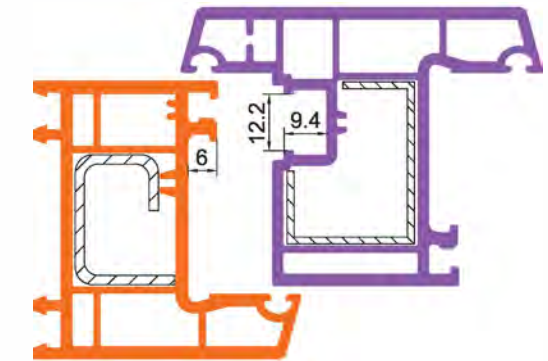
FTQ25 Series adopt high-strength stainless steel cable to ensure the connection strength and it has high security and variety types, applicable to profile without groove, with C-groove, or with Standard European C-groove to achieve the quick installation.

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

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



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)

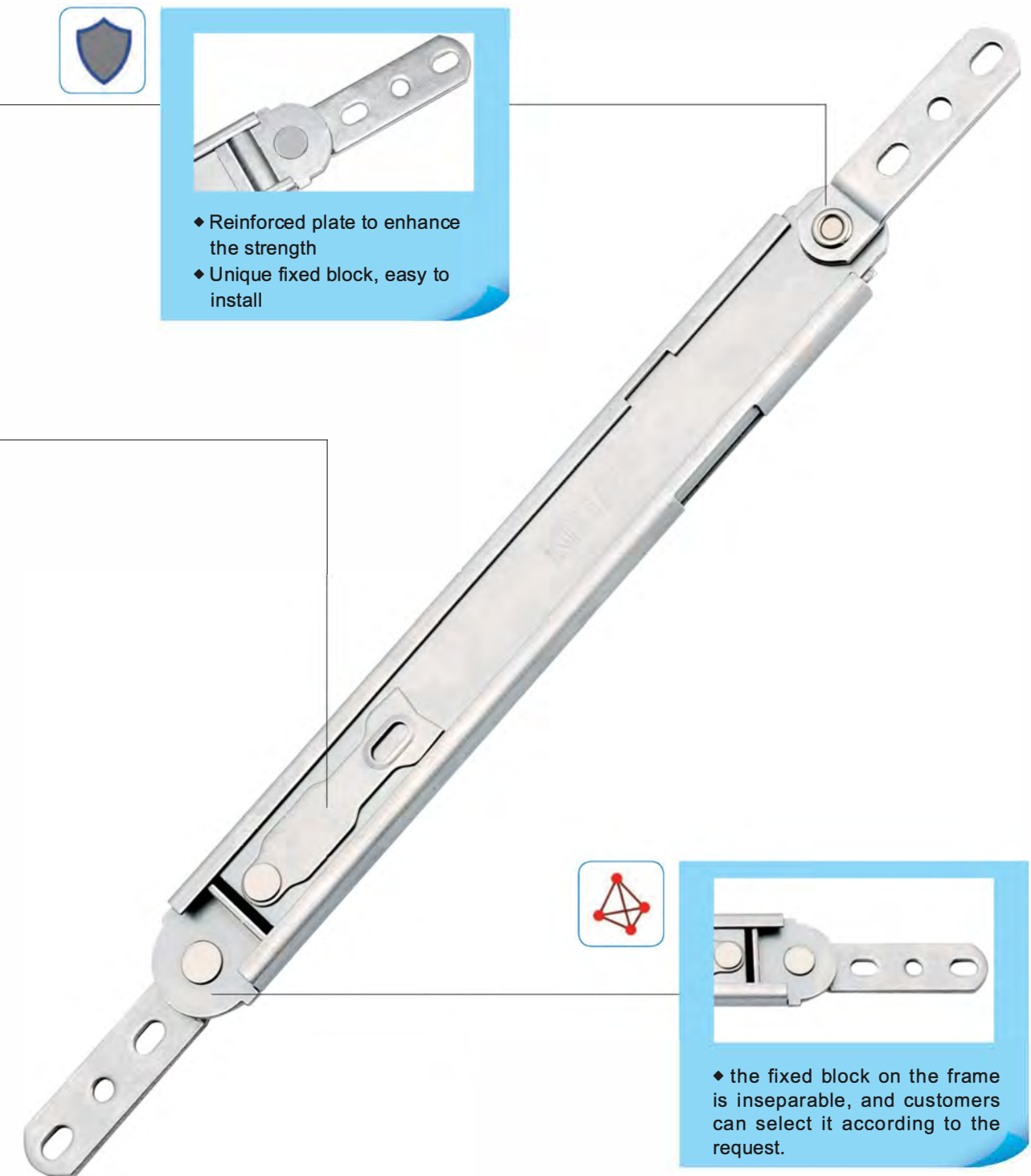
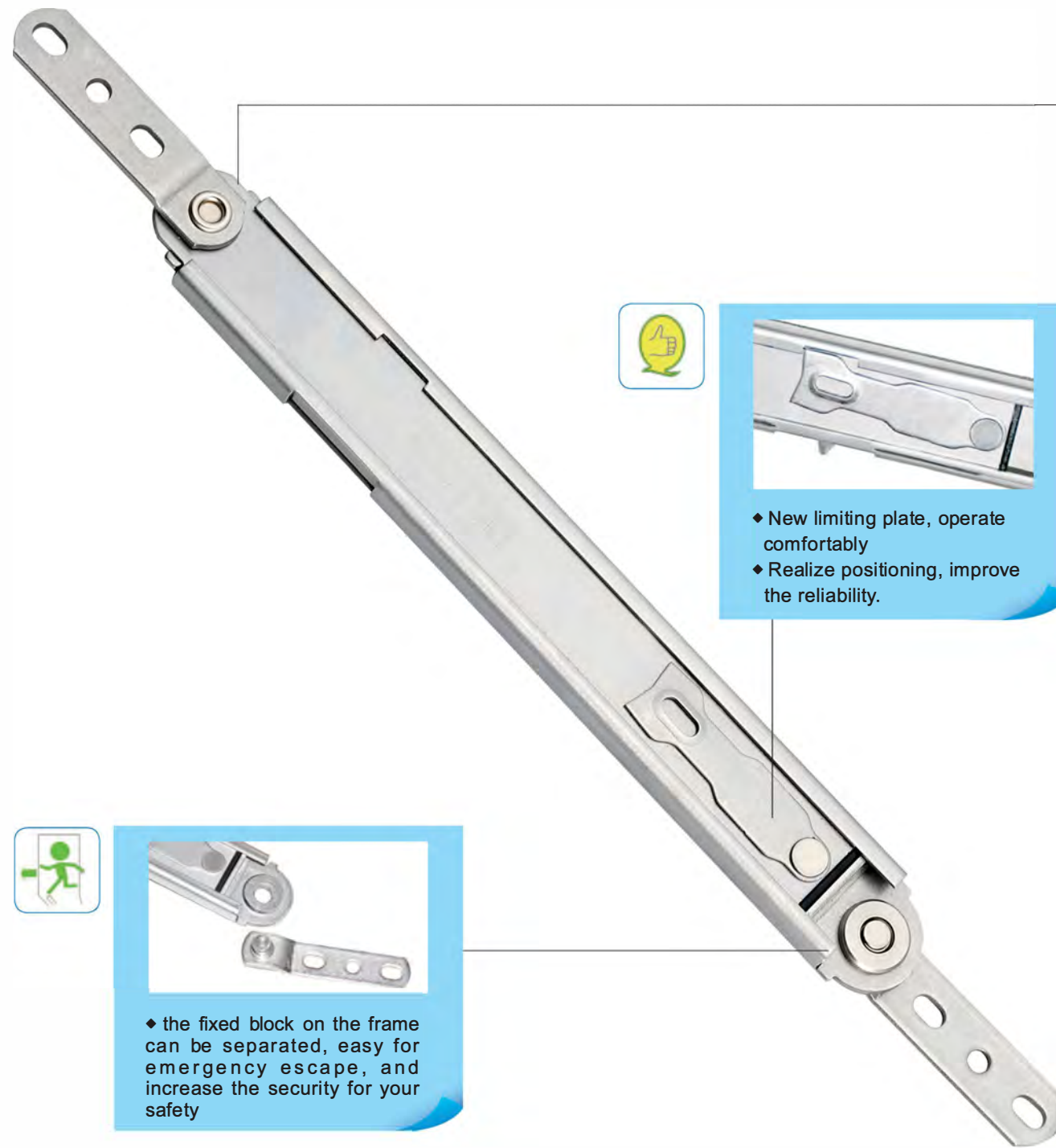


High-strength retractable Pegstay SC350

Pegstay Feature

- ◆ Separable fixed block to help emergency escape.
- ◆ SC350 is applicable to Profile without Groove.
- ◆ SC350/I is applicable to Profile with Standard European C-groove.

- ◆ Inseparable fixed block to meet customers' various requests.
- ◆ SC350/II is applicable to profile without Groove.
- ◆ SC350/III is applicable to profile with Standard European C-groove.



Solution to open-Out turn&tilt window

Open-out turn&tilt window refers 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.

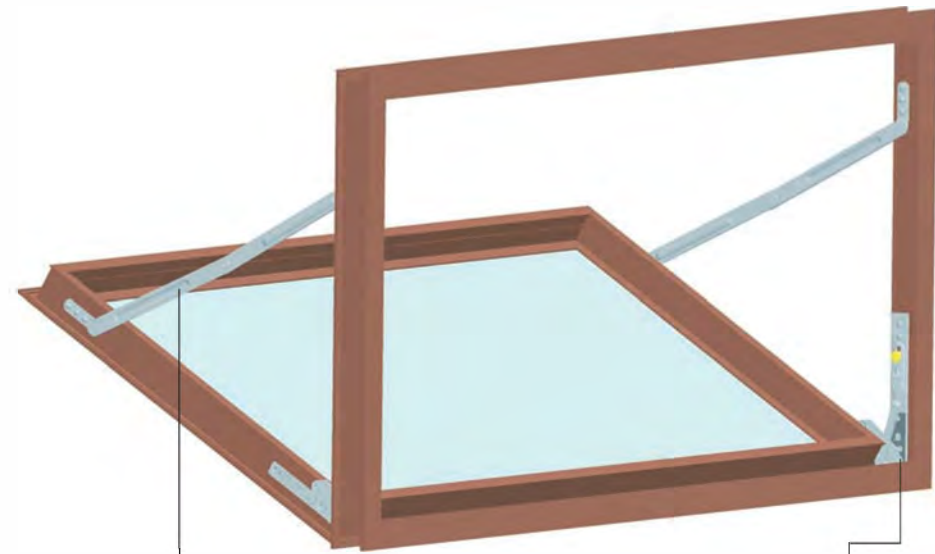


Diagram of open-out turn&tilt window



Anti-fallout rod

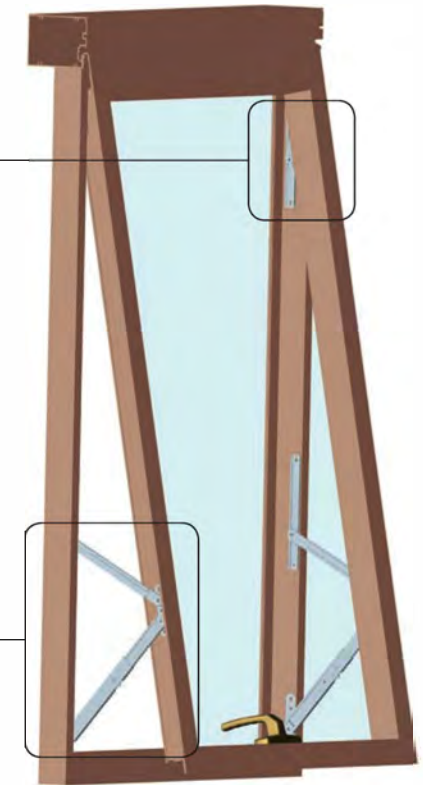
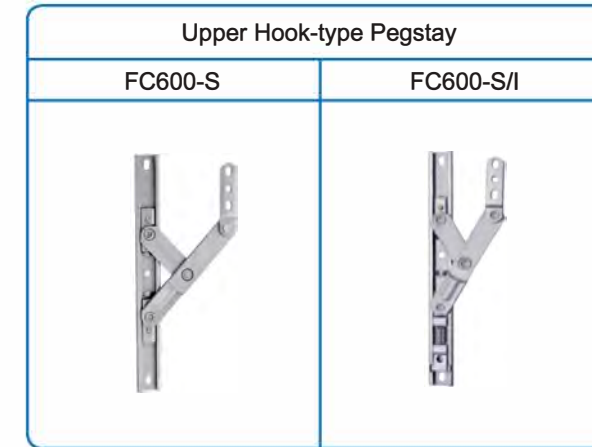


Open-out friction stay

★ **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.

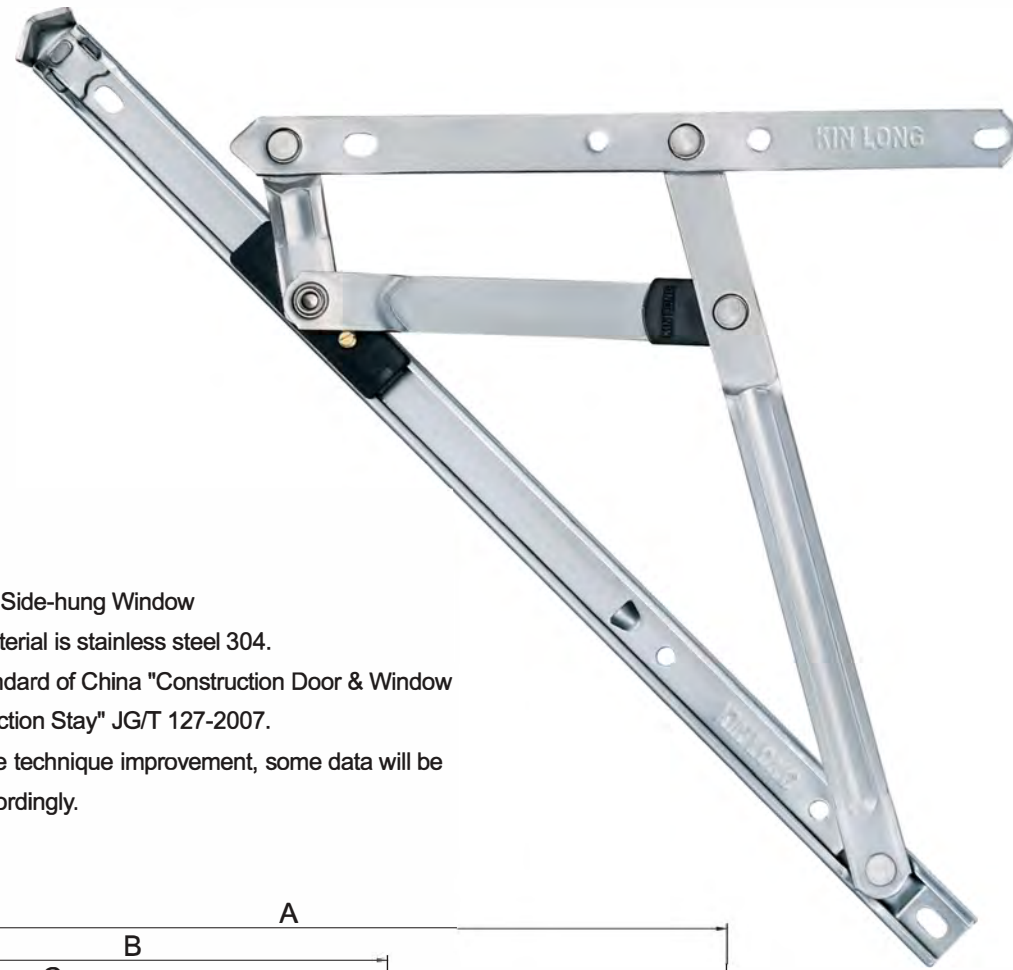
Solution for Hook-type Window



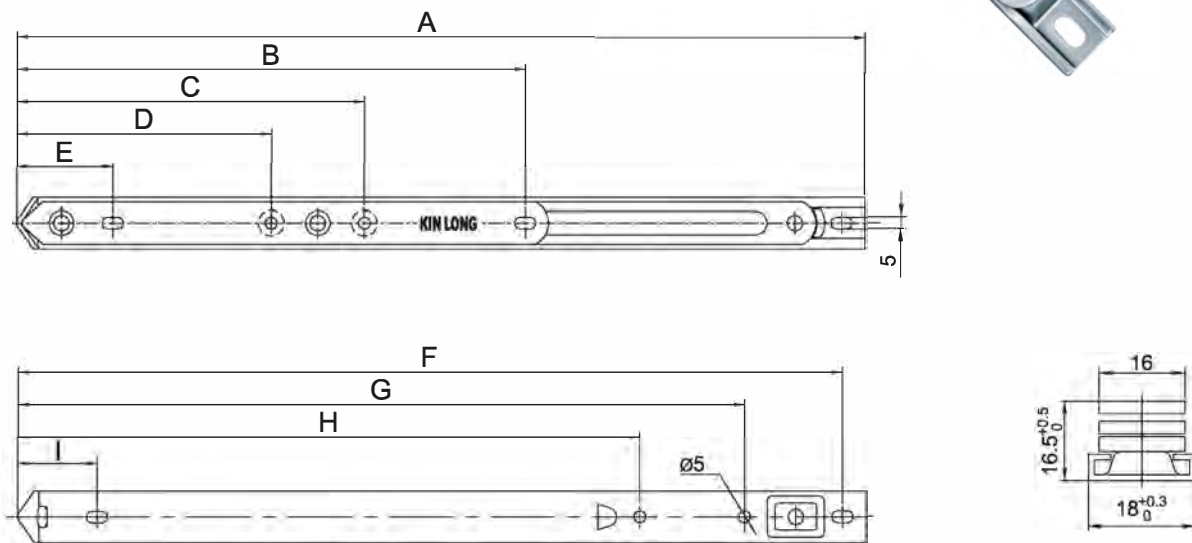
◆ Configuration instructions:

Sr.	Configuration Name	Selected Items		Remarks
		Upper Hook-type Pegstay	Lower 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	/

1. HC120 Series

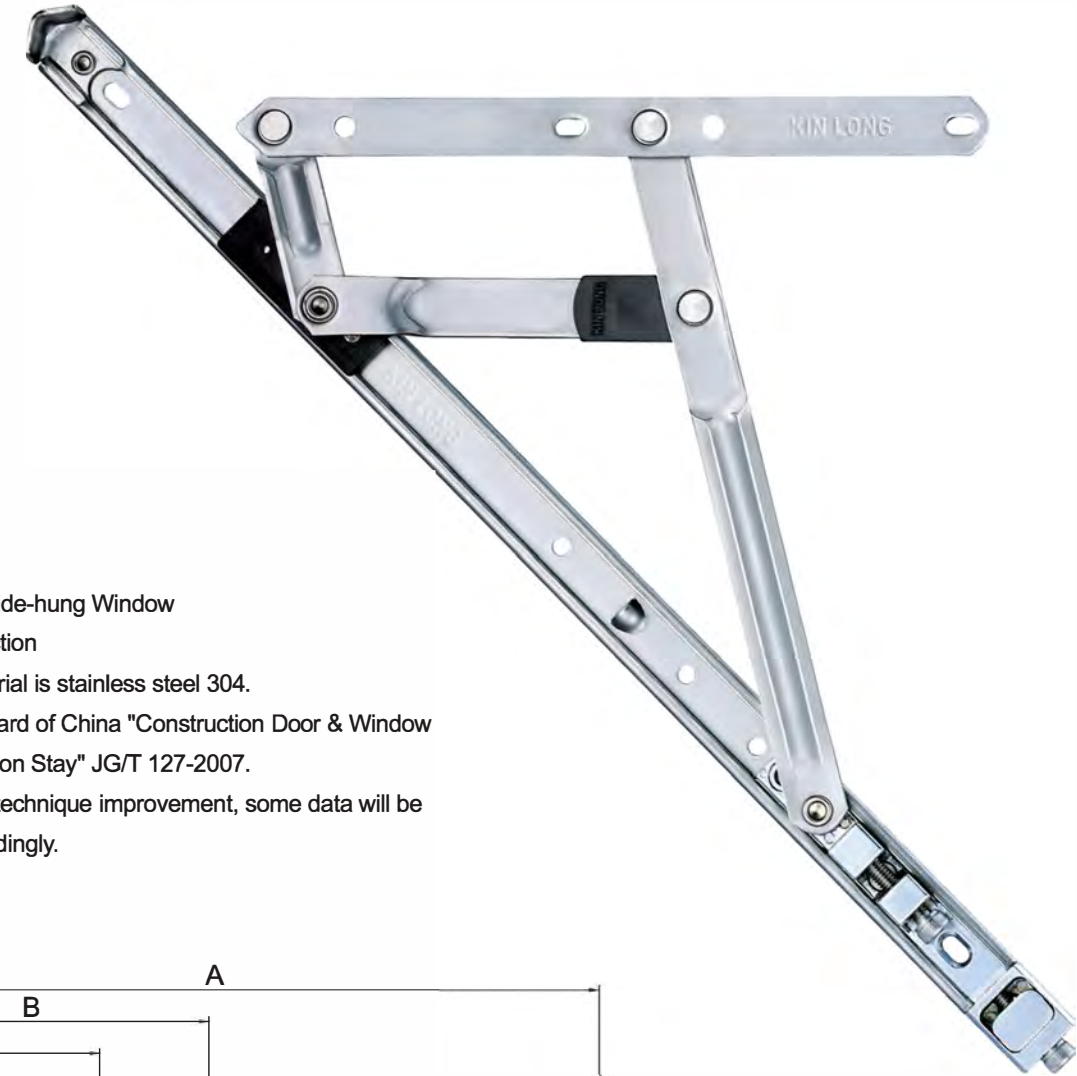


- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

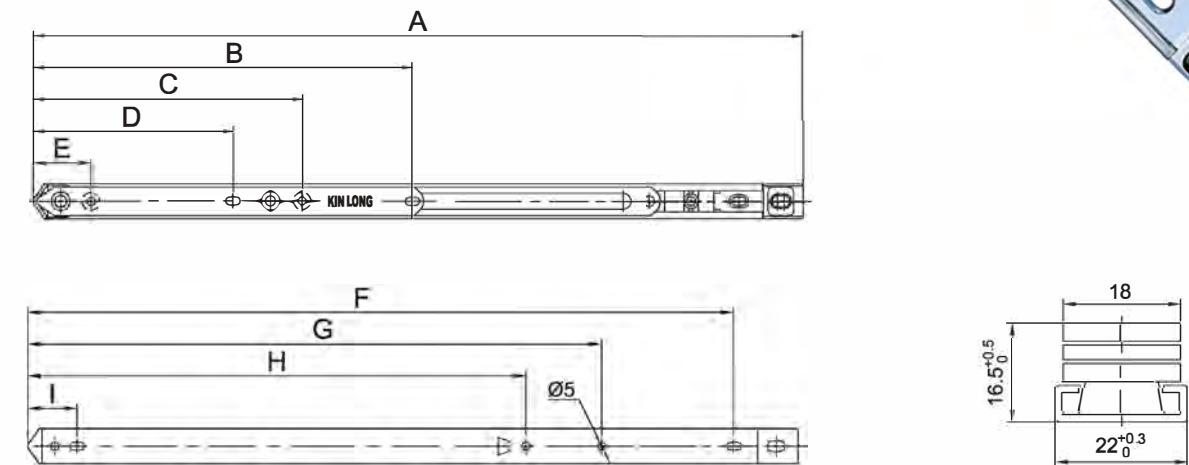


Installation Dimension: Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC120-10"	258	165	110	70	38	248	206	--	28	1300	400	18	87°
HC120-12"	308	186	124	82	38	298	256	216	28	1400	500	22	87°
HC120-14"	356	209	147	103	38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

2. HC200A Series

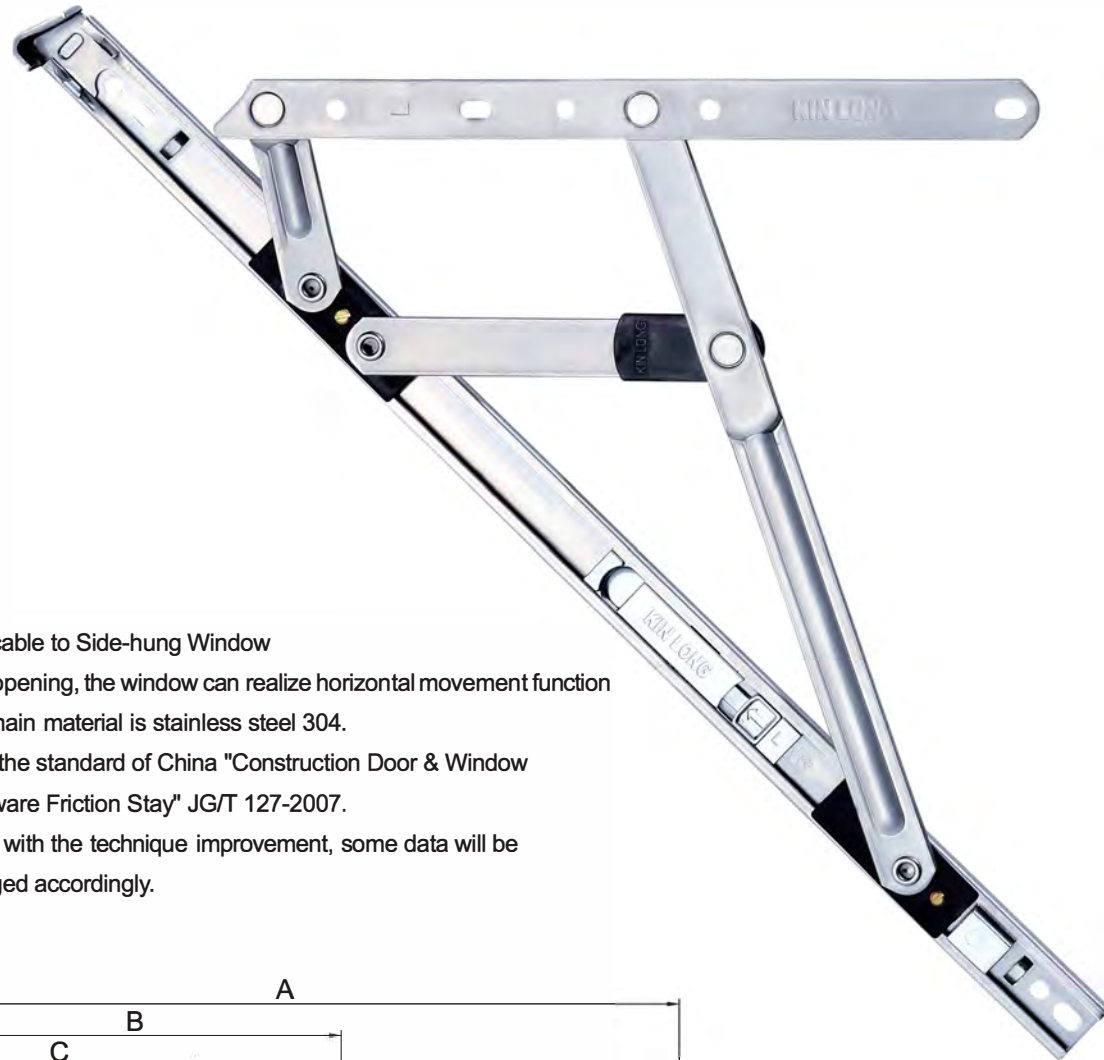


- ◆ Applicable to Side-hung Window
- ◆ Adjustable function
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

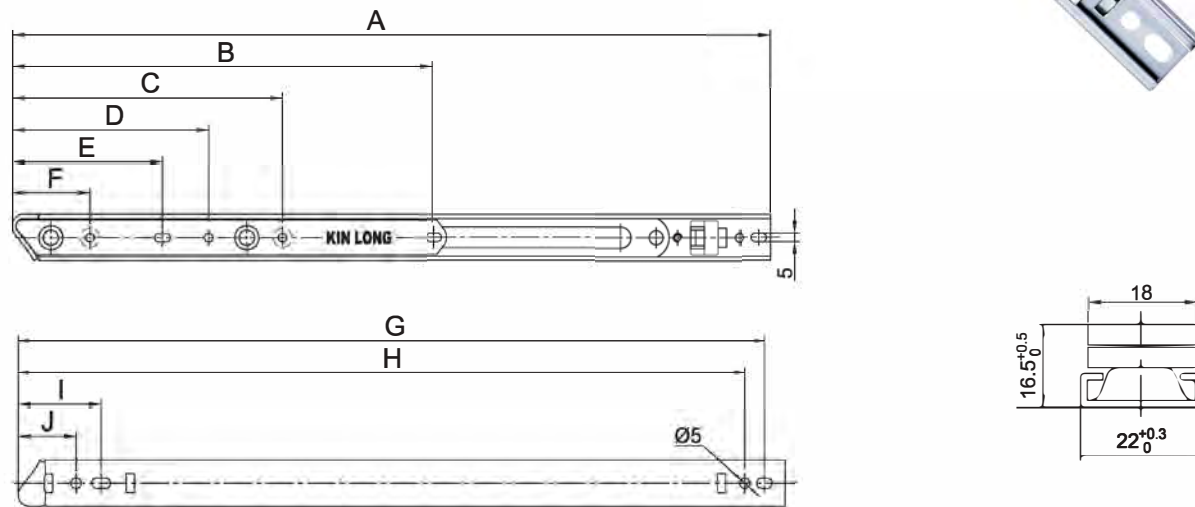


Installation Dimension: Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC200A-12"	383	202	126	82	36	342	255	--	31	1500	500	30	90°
HC200A-14"	434	222	148	104	36	394	310	280	31	1600	600	33	90°
HC200A-16"	486	243	170	126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

3. HC300A Series (Left&Right)



- ◆ Applicable to Side-hung Window
- ◆ After opening, the window can realize horizontal movement function
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

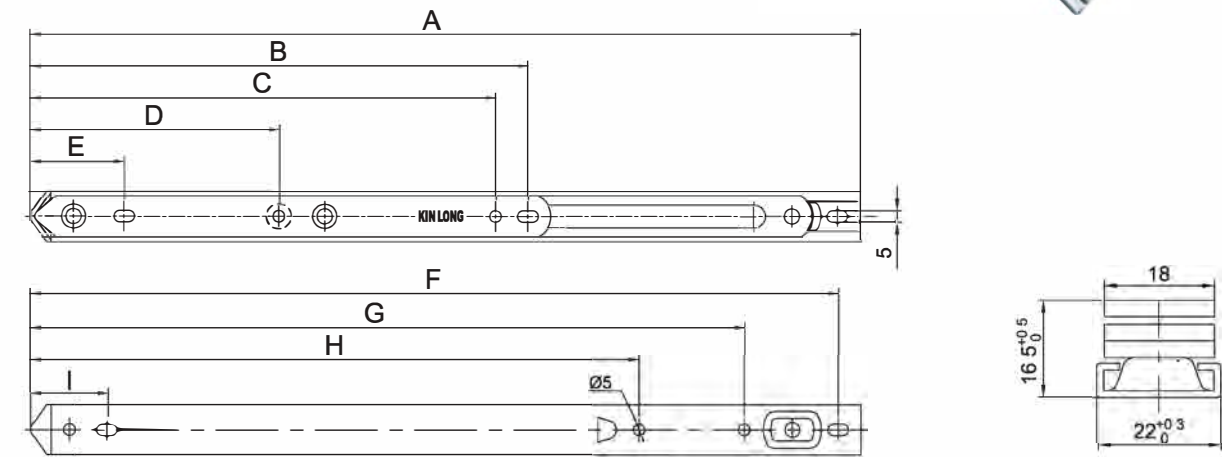


Installation Dimension Unit(mm)											Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC300A-16"	438	241	152	109	82	40	431	419	42	30	1600	600	24	90°
HC300A-18"	483	259	169	126	83	40	476	464	42	30	1700	700	29	90°

4. HC320 Series



- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of UK BS6375-2:2009; Singapore SS212:2007 and HongKong Resort.
- ◆ Along with the technique improvement, some data will be changed accordingly.

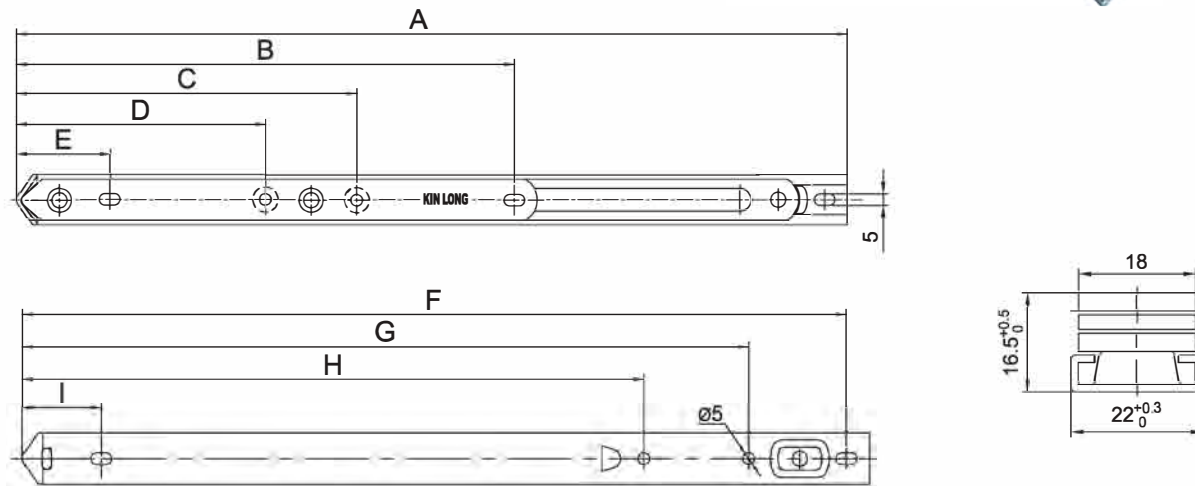


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC320-10"	274	188	171	72	37	266	--	203	32	1500	500	23	90°
HC320-12"	312	199	189	87	38	305	265	232	32	1500	600	28	90°
HC320-14"	350	248	225	101	39	343	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 Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

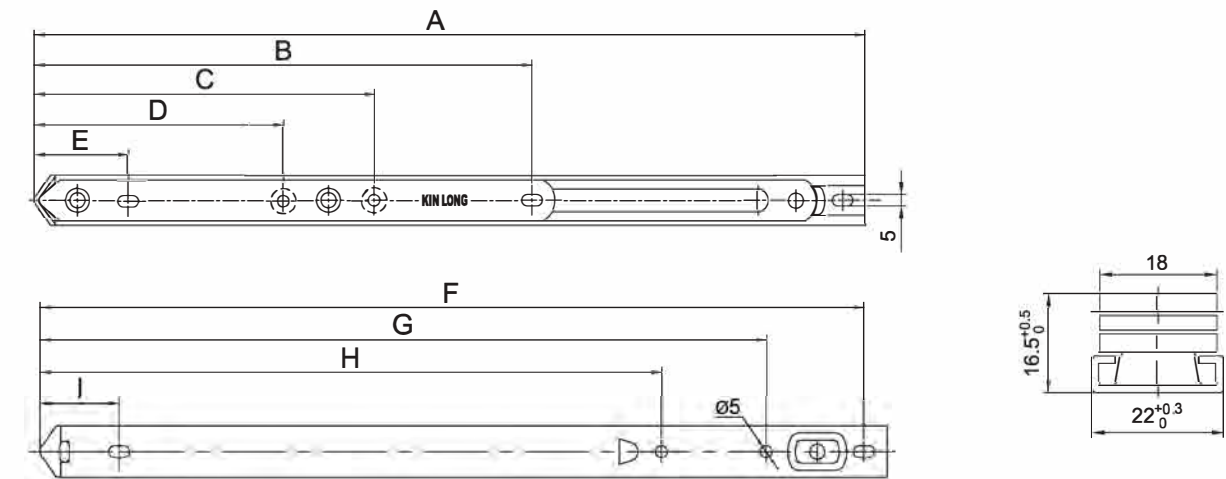


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC350-12"	316	200	128	86	37	308	266	241	30	1400	500	23	90°
HC350-14"	363	215	140	100	37	353	311	252	30	1500	600	27	90°
HC350-16"	410	216	141	103	37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

6. HC360 Series



- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

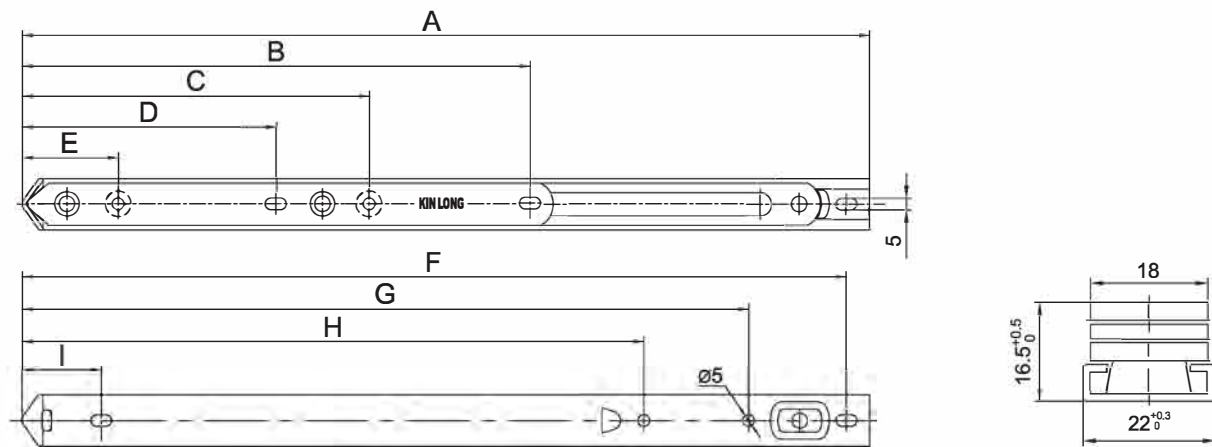


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC360-12"	316	200	128	86	37	308	266	241	30	1400	500	23	90°
HC360-14"	363	215	140	100	37	353	311	252	30	1500	600	27	90°
HC360-16"	410	216	141	103	37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

7. HC400A Series



- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

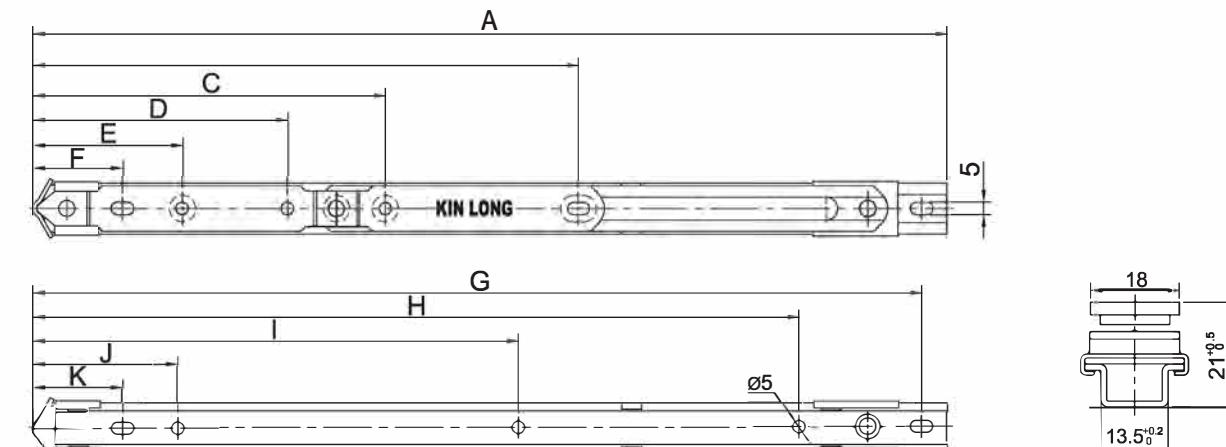


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC400A-10"	268	182	115	71	36	260	219	--	28	1400	400	25	90°
HC400A-12"	313	202	126	82	36	305	263	237	30	1500	500	30	90°
HC400A-14"	365	222	148	104	36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

8. HCC40 Series



- ◆ Applicable to Standard C-groove Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

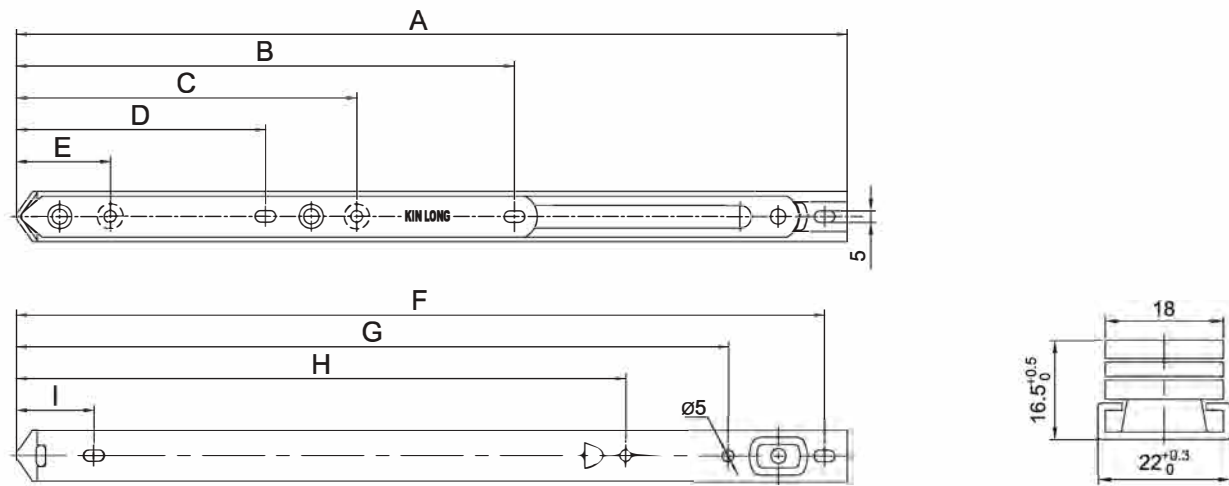


Installation Dimension Unit(mm)												Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	K	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HCC40-12"	313	199	123	84	60	36	303	254	174	58	36	1500	500	30	90°
HCC40-14"	365	218	141	102	60	36	355	306	194	58	36	1600	600	34	90°
HCC40-16"	416	240	163	124	60	36	406	357	210	58	36	1700	700	39	90°

9. HC410 Series

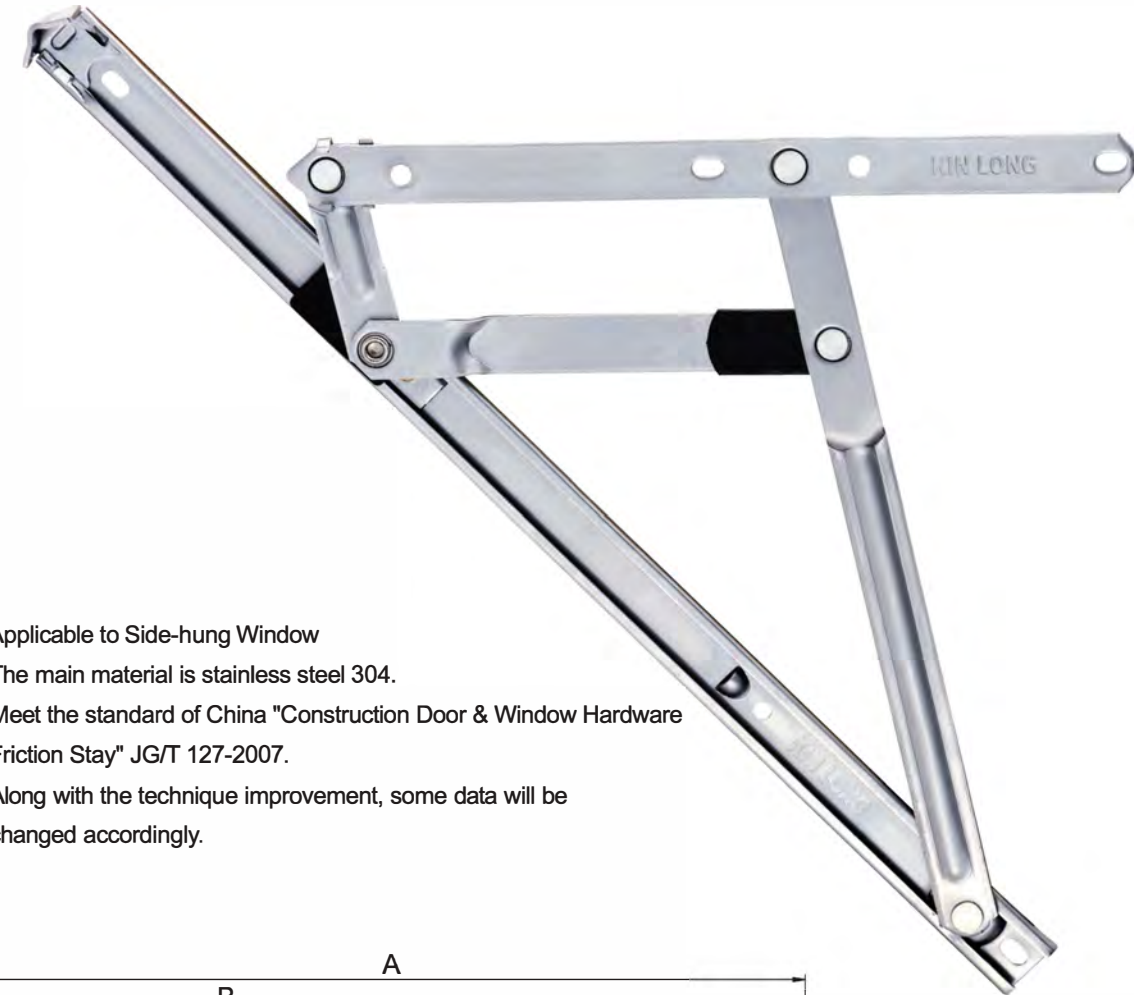


- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

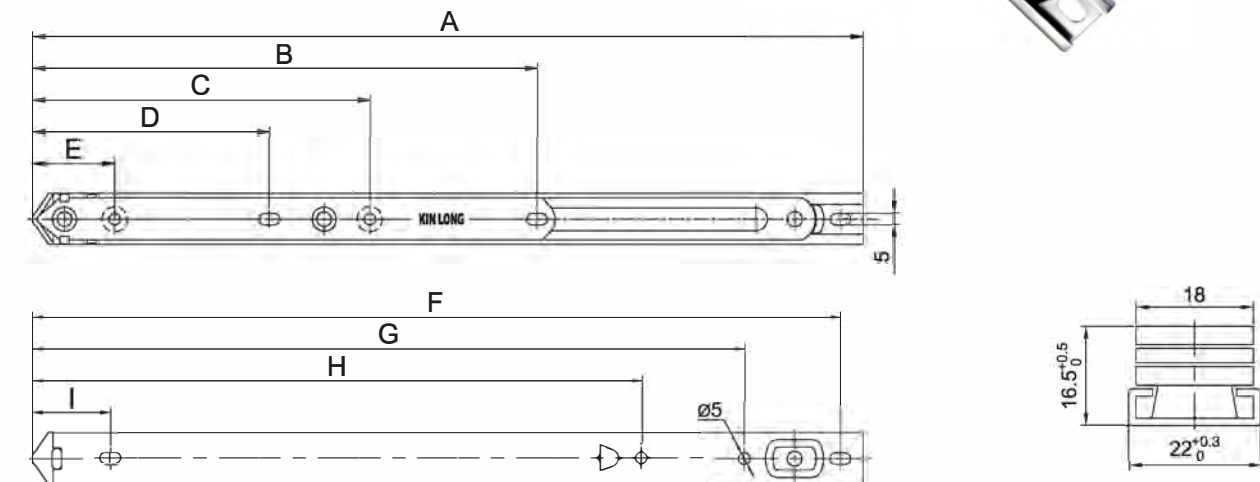


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC410-10"	268	182	115	71	36	260	219	--	28	1400	400	25	87°
HC410-12"	313	202	126	82	36	305	263	237	30	1500	500	30	90°
HC410-14"	365	222	148	104	36	357	315	269	30	1600	600	33	90°
HC410-16"	416	243	170	126	36	409	367	301	30	1700	700	38	90°

10. HC411 Series

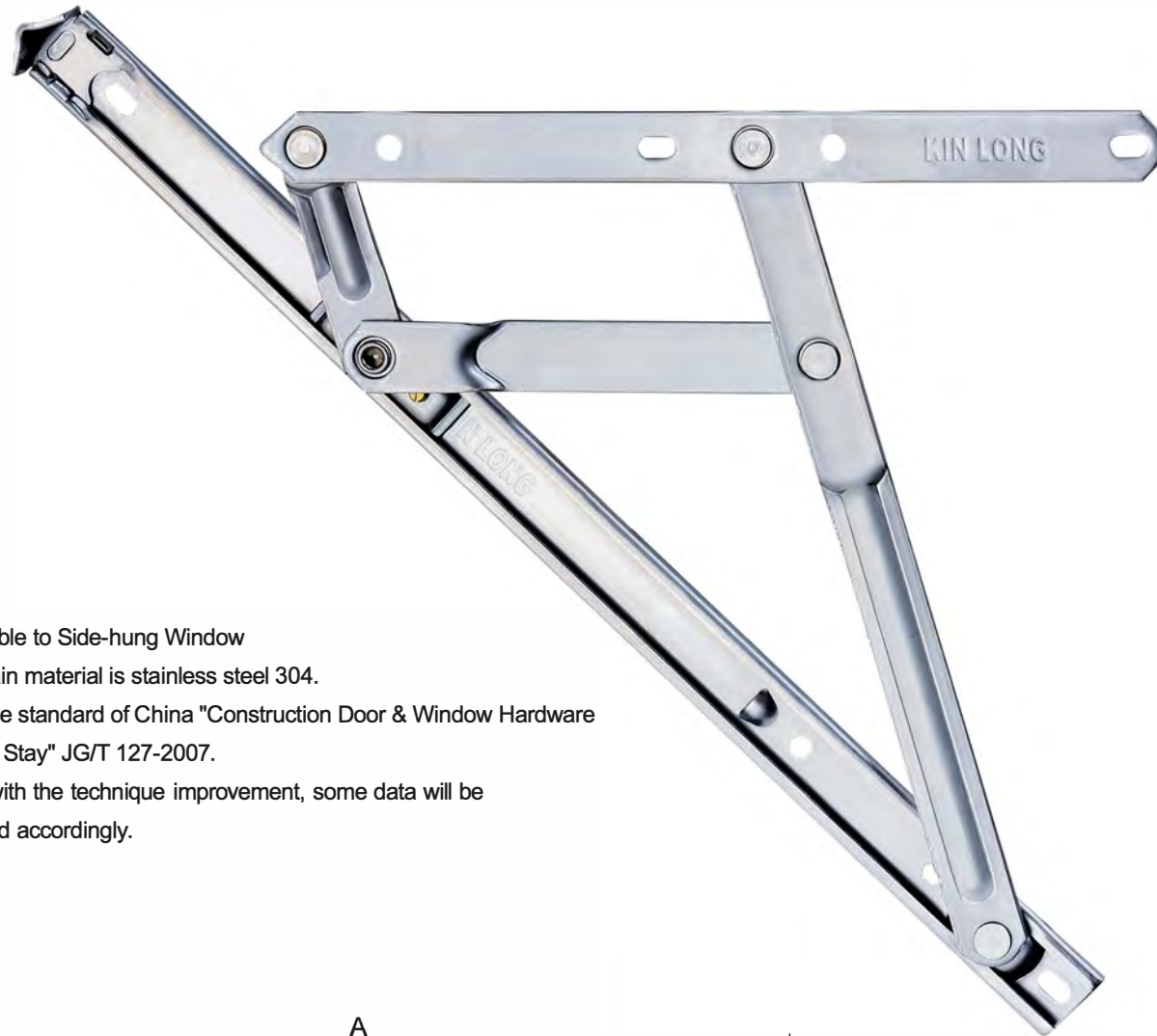


- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

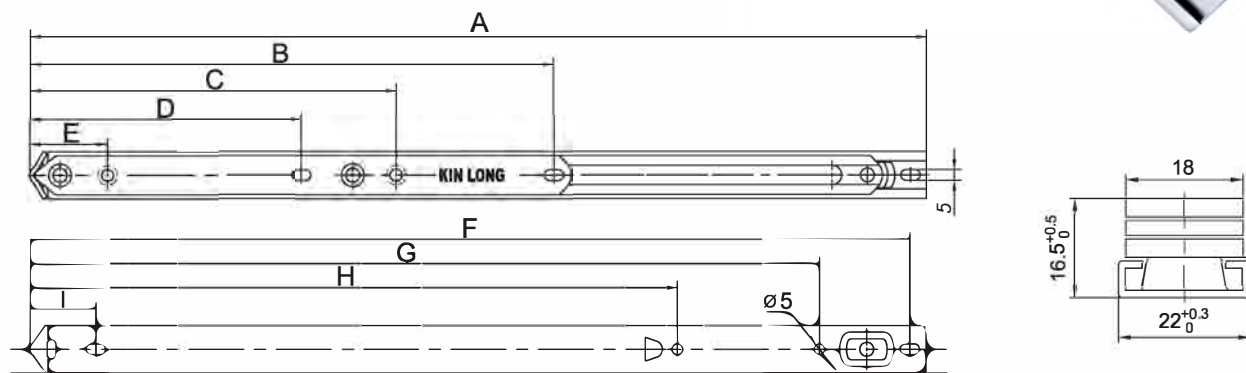


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC411-12"	313	202	126	82	36	305	263	237	30	1500	500	30	90°
HC411-14"	365	222	148	104	36	357	315	269	30	1600	600	33	90°
HC411-16"	416	243	170	126	36	409	367	301	30	1700	700	38	90°

11. HC420 Series



- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

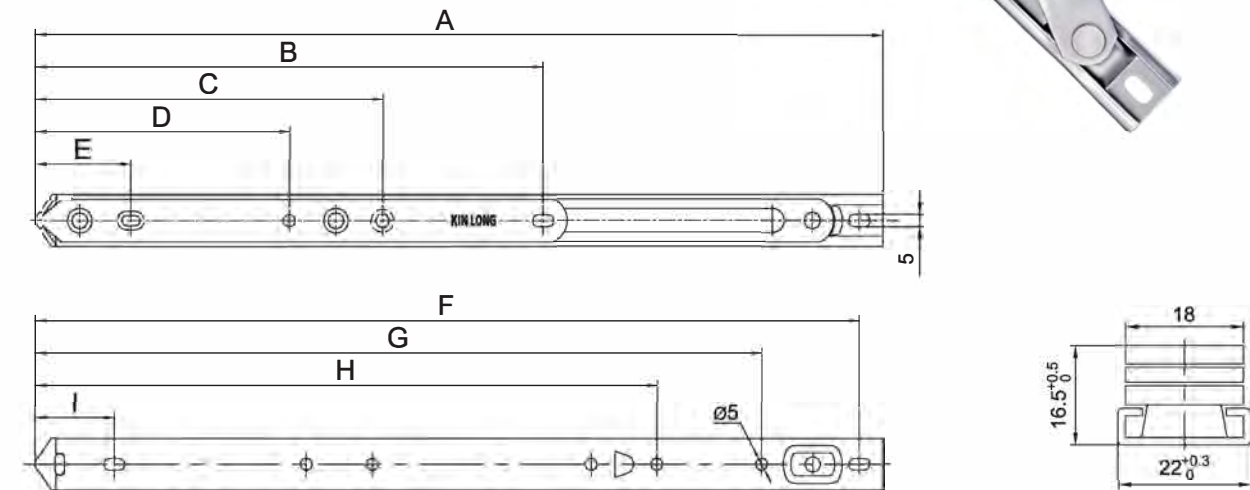


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC420-10"	268	182	115	71	36	260	219	--	28	1400	400	25	87°
HC420-12"	313	202	126	82	36	305	263	237	30	1500	500	30	87°
HC420-14"	365	222	148	104	36	357	315	269	30	1600	600	33	87°
HC420-16"	416	243	170	126	36	409	367	301	30	1700	700	38	87°

12. HC450 Series



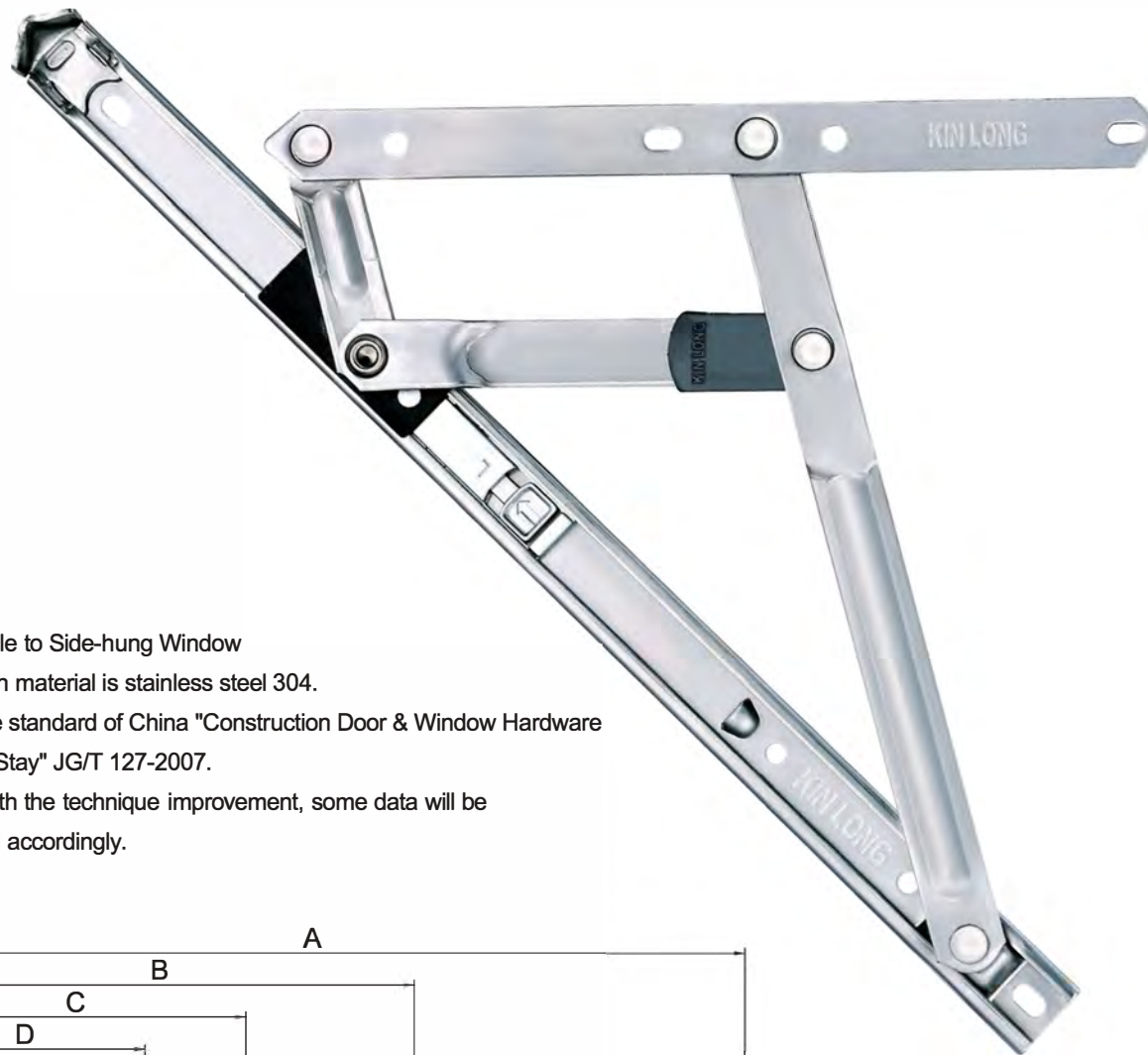
- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.



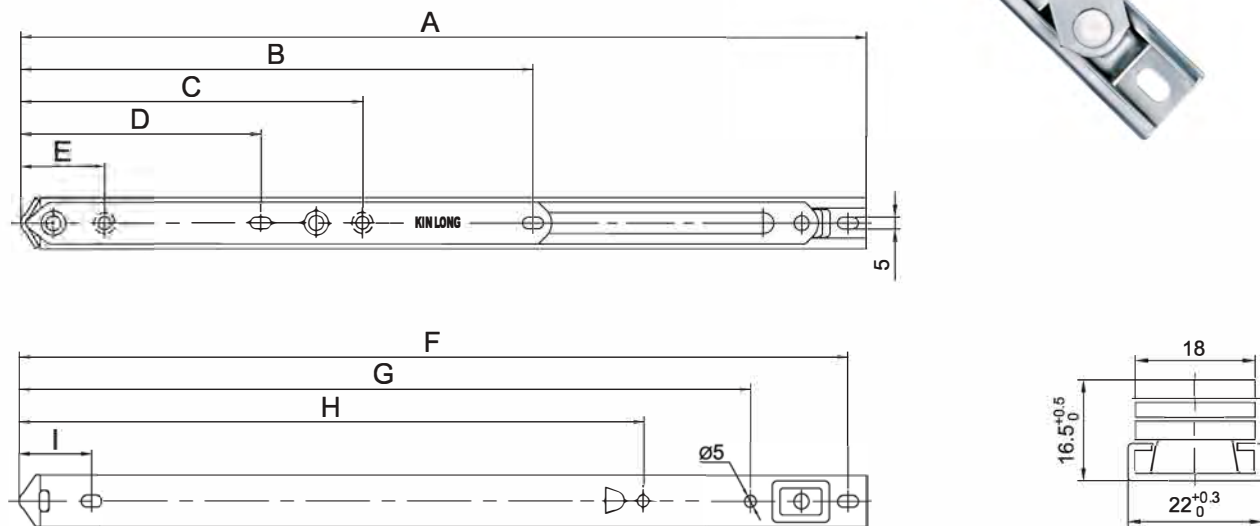
Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC450-16"	416	242	154	109	38	409	364	261	30	1700	700	39	30°/45°/90°
HC450-18"	466	267	194	145	38	455	413	332	30	1800	800	43	30°/45°/85°
HC450-22"	565	299	228	185	38	555	507	246	30	1800	1000	49	20°/30°/50°

* When the width of window >650mm, suggest the open angle of Friction stay to be the minimum angle.

13. HC461 Series (Left&Right)

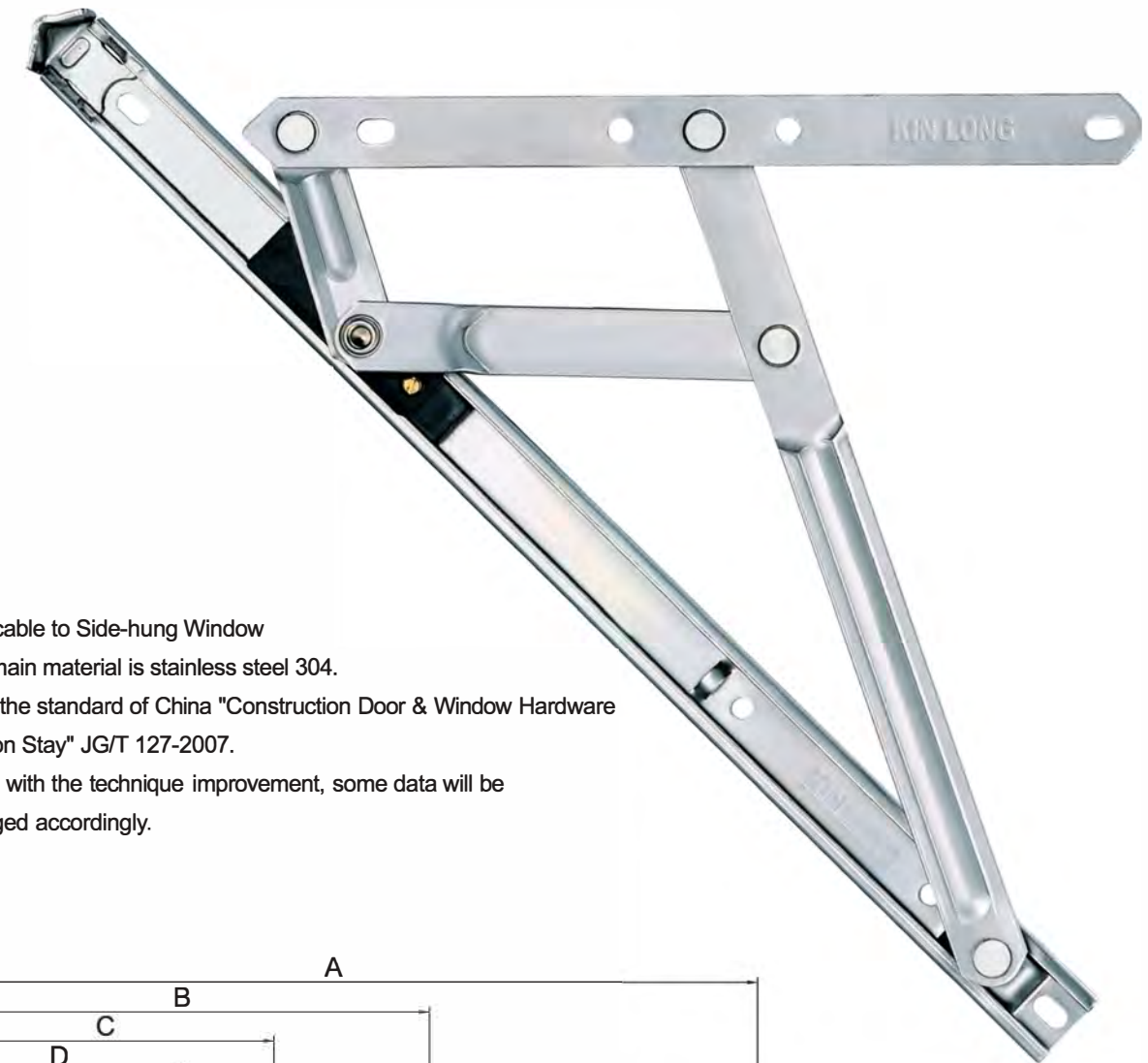


- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

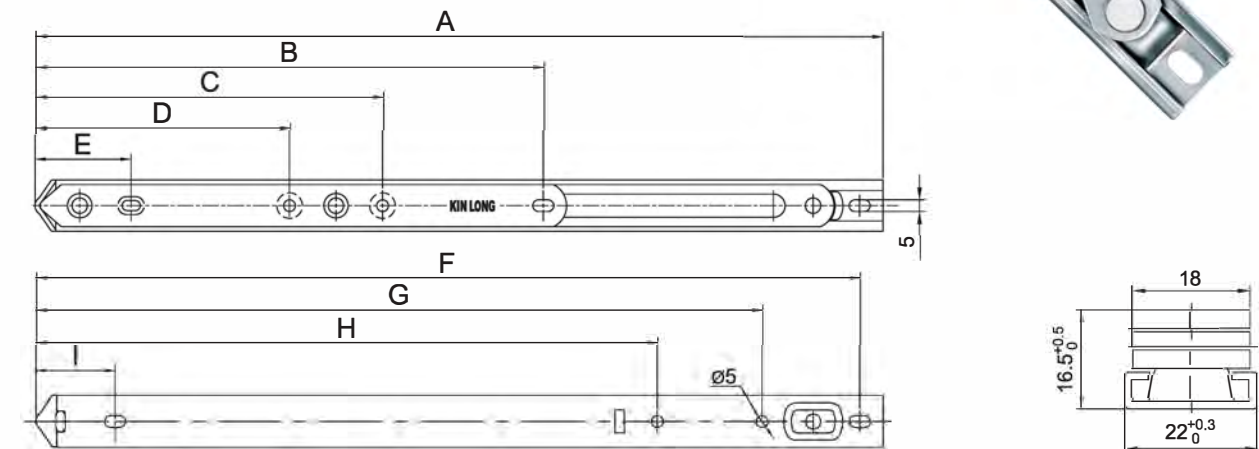


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC461-12"	313	202	126	82	36	305	263	237	30	1500	500	30	30°/60°
HC461-14"	365	221	148	104	36	357	315	269	30	1600	600	33	30°/60°
HC461-16"	416	243	170	126	36	409	367	301	30	1700	700	38	30°/60°

14. HC510 Series



- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

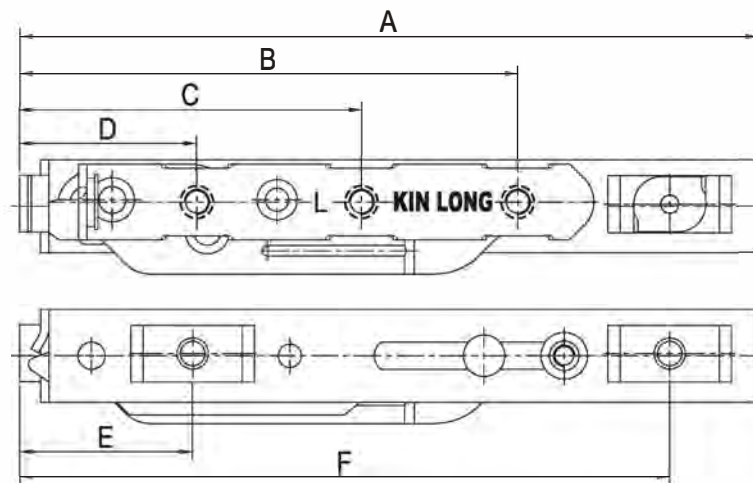


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC510-10"	268	180	115	73	36	260	219	207	28	1500	500	26	85°
HC510-12"	313	200	125	83	36	304	263	230	30	1550	600	30	90°
HC510-14"	365	219	140	98	36	356	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)



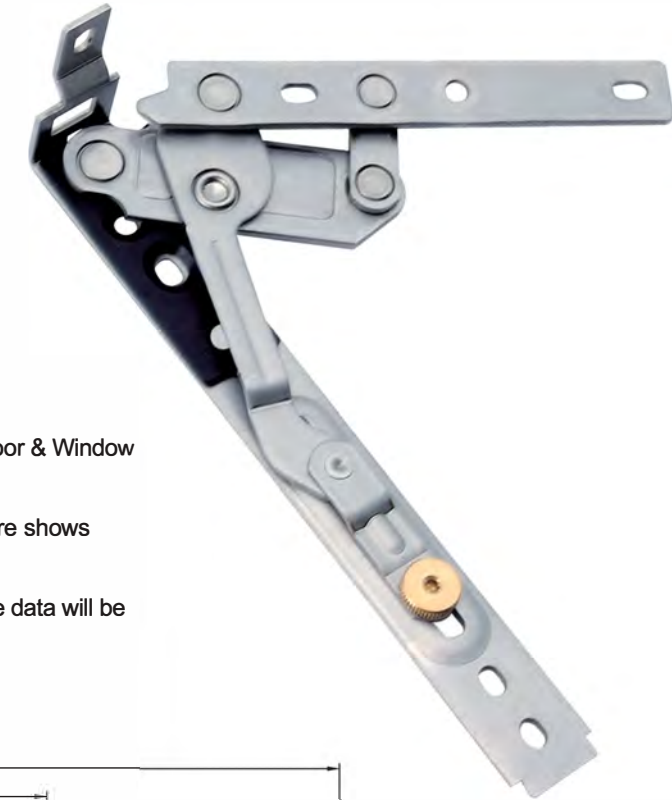
- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Different types with different structures, picture shows product WJL50.
- ◆ Along with the technique improvement, some data will be changed accordingly.



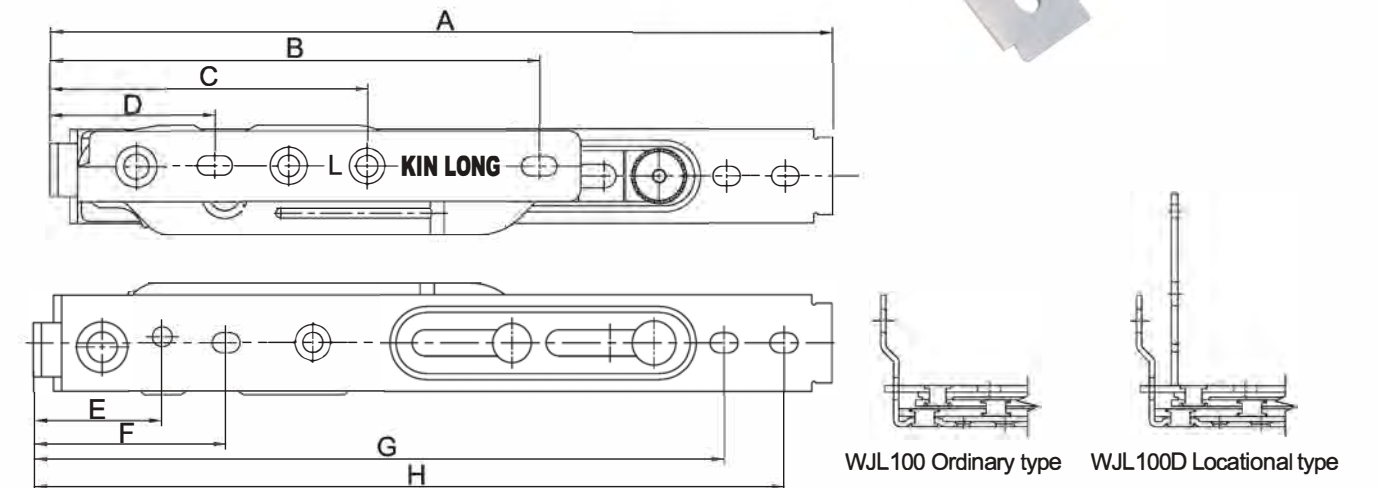
WJL50 Standard type WJL50-J Basic type

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	118	81	42	41	154	1500	650	38	90°
WJL50-J	Basic type	175	125	81	42	41	154				

16. WJL100 Series (Left&Right)



- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Different types with different structures, picture shows product WJL100.
- ◆ Along with the technique improvement, some data will be changed accordingly.

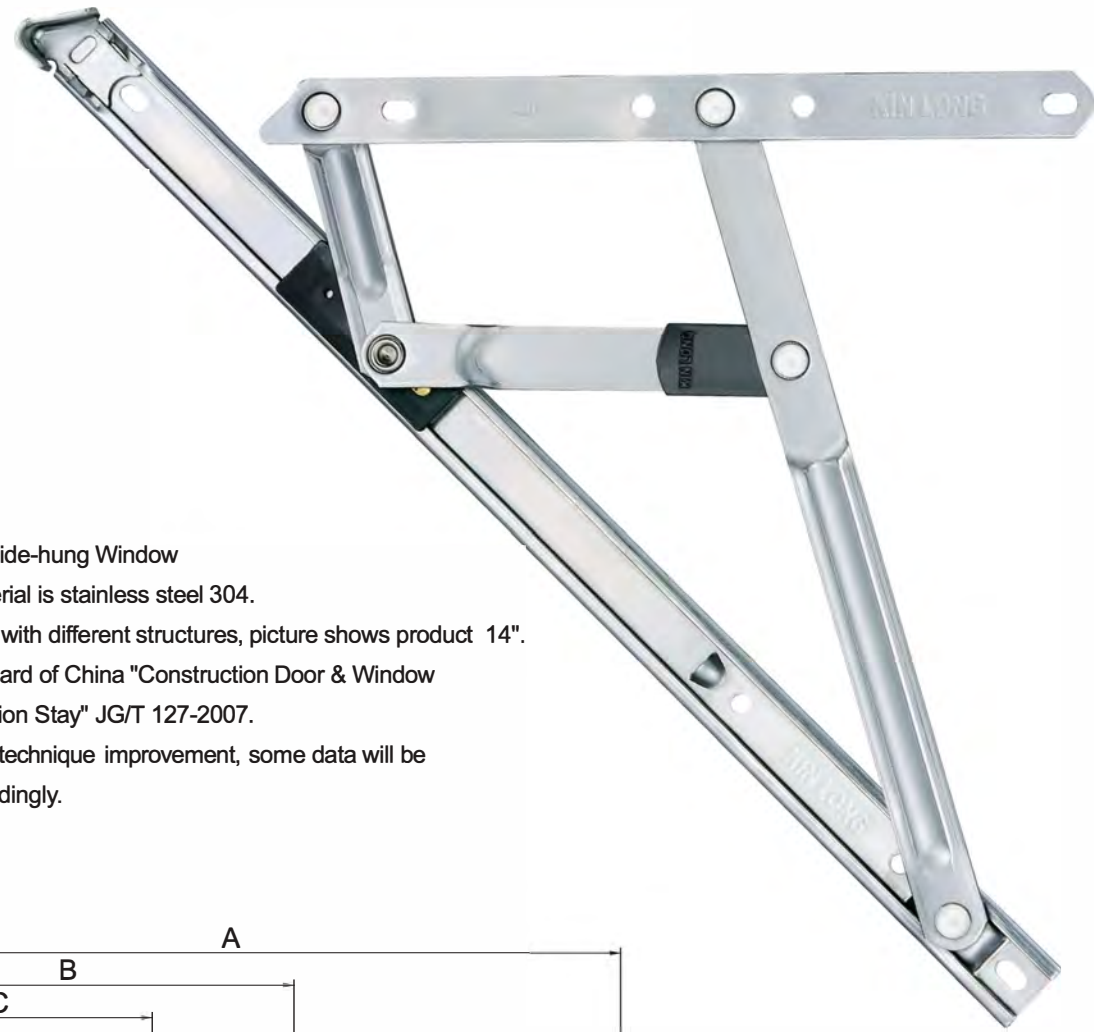


WJL100 Ordinary type WJL100D Locational type

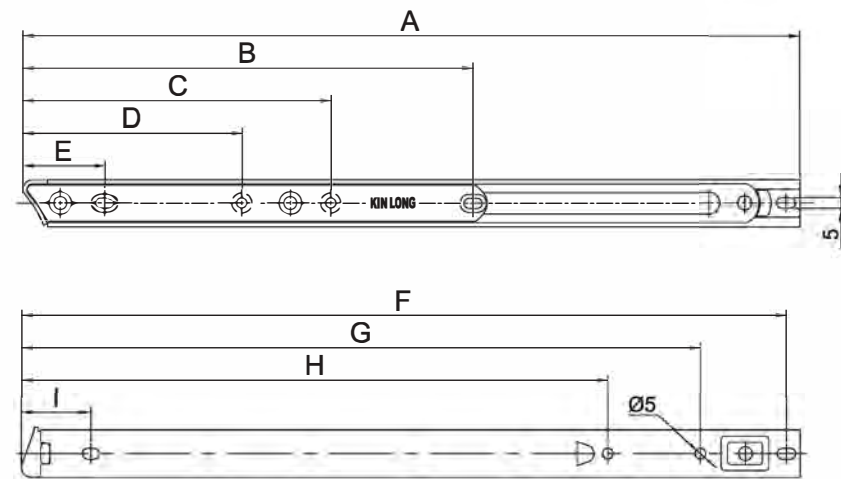
Installation Dimension Unit(mm)									Technical Parameter				
Code	Type	A	B	C	D	E	F	G	H	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
WJL100	Basic C-groove	200	125	81	42	32	48	173	188	1600	800	65	90°
WJL100L/I-S	Standard C-groove	200	125	81	42	-	-	-	-				
WJL100R/I-S		200	125	81	42	-	-	-	-				
WJL100R/I-X	Without groove	200	125	81	42	32	48	173	188				

- * WJL100 Series is ordinary type, WJL100D Series is positioning type.
- * WJL100L/I-S should work with WJL100L/I-X; WJL100R/I-S should work with WJL100R/I-X.

17. HC700A Series (Left&Right)



- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Different types with different structures, picture shows product 14".
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

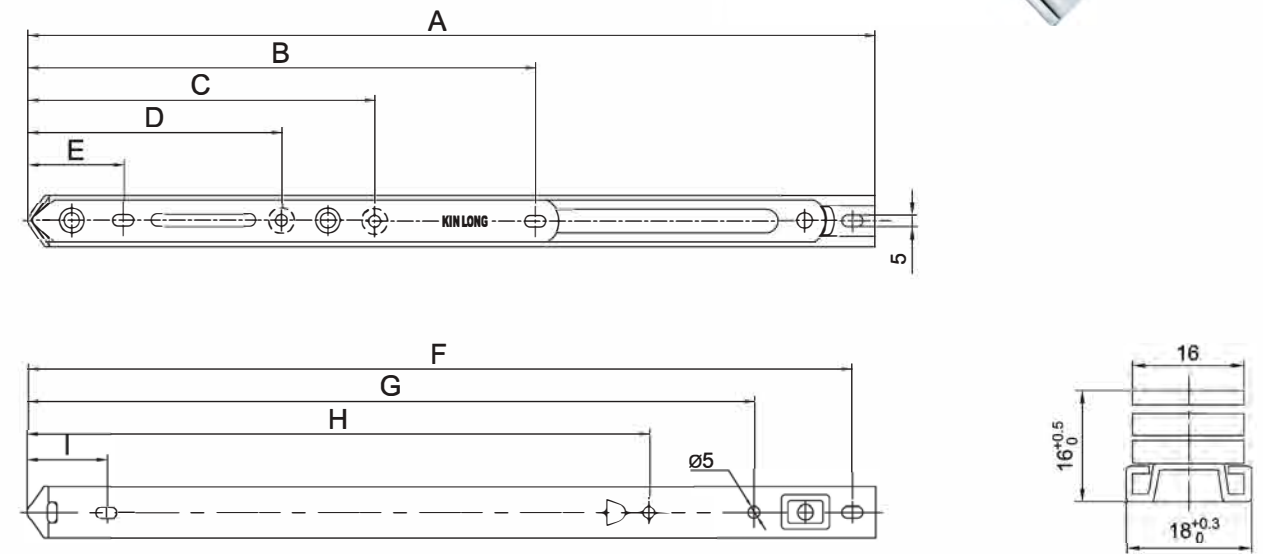


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC700A-12"	314	212	118	78	41	306	264	227	35	1500	500	18	87°
HC700A-14"	386	223	153	109	41	378	336	275	34	1600	600	22	90°
HC700A-16"	437	245	175	131	41	429	387	311	34	1700	700	27	90°

18. PHC10 Series (Left&Right)

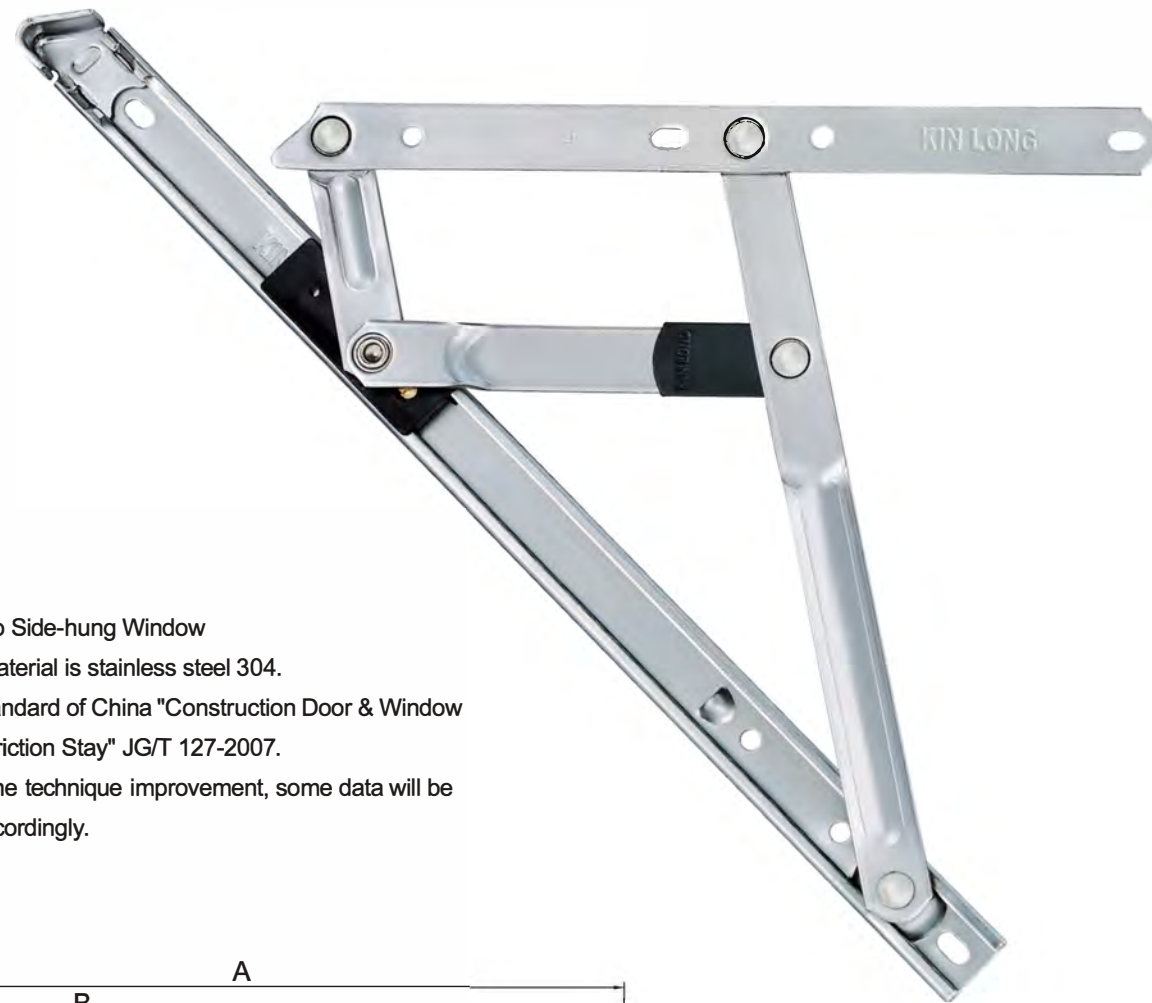


- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Different types with different structures, picture shows product 14".
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

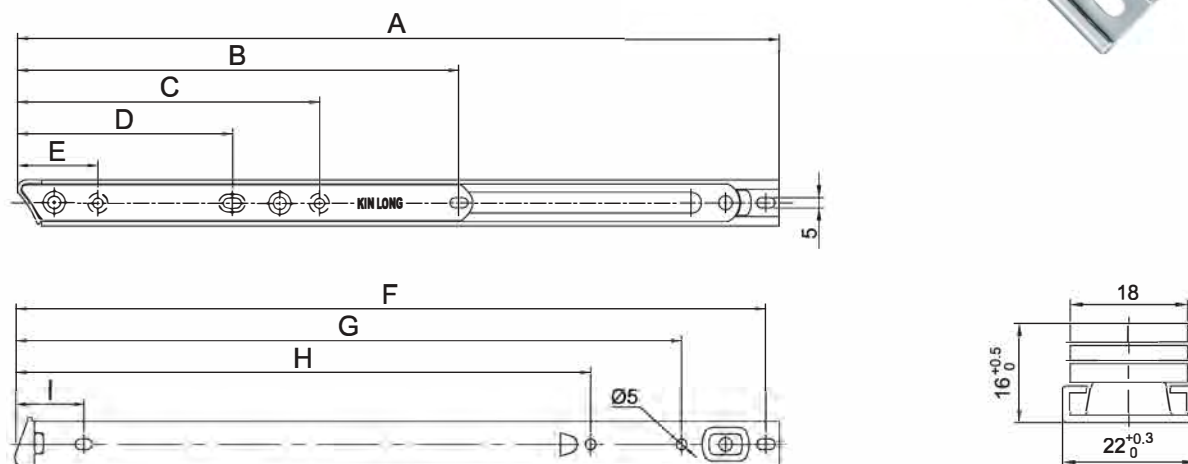


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
PHC10-12"	304	191	126	83	38	297	260	220	31	1300	500	17.5	87°
PHC10-14"	355	214	147	103	38	347	305	251	31	1400	600	21.5	87°
PHC10-16"	406	242	172	126	38	399	356	288	31	1500	650	25.5	87°

19. PHC0200 Series (Left&Right)



- ◆ Applicable to Side-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

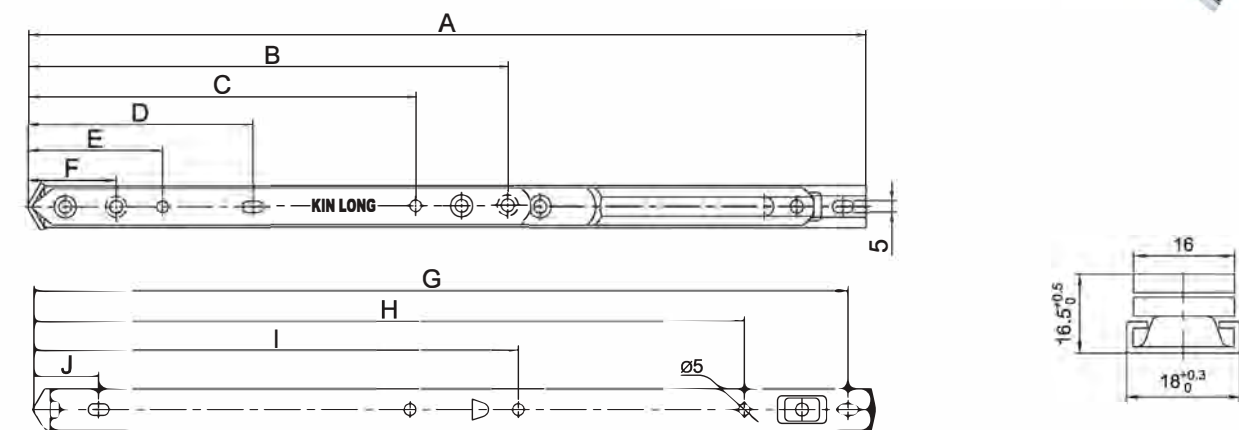


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
PHC0200-12"	322	213	133	91	40	313	271	224	35	1400	500	25	75°
PHC0200-14"	359	230	150	108	40	350	308	274	35	1500	600	28	87°
PHC0200-16"	409	252	172	130	40	400	358	308	35	1600	700	33	87°
PHC0200-18"	458	274	194	152	40	450	408	340	35	1700	750	38	87°

20. HC610 Series

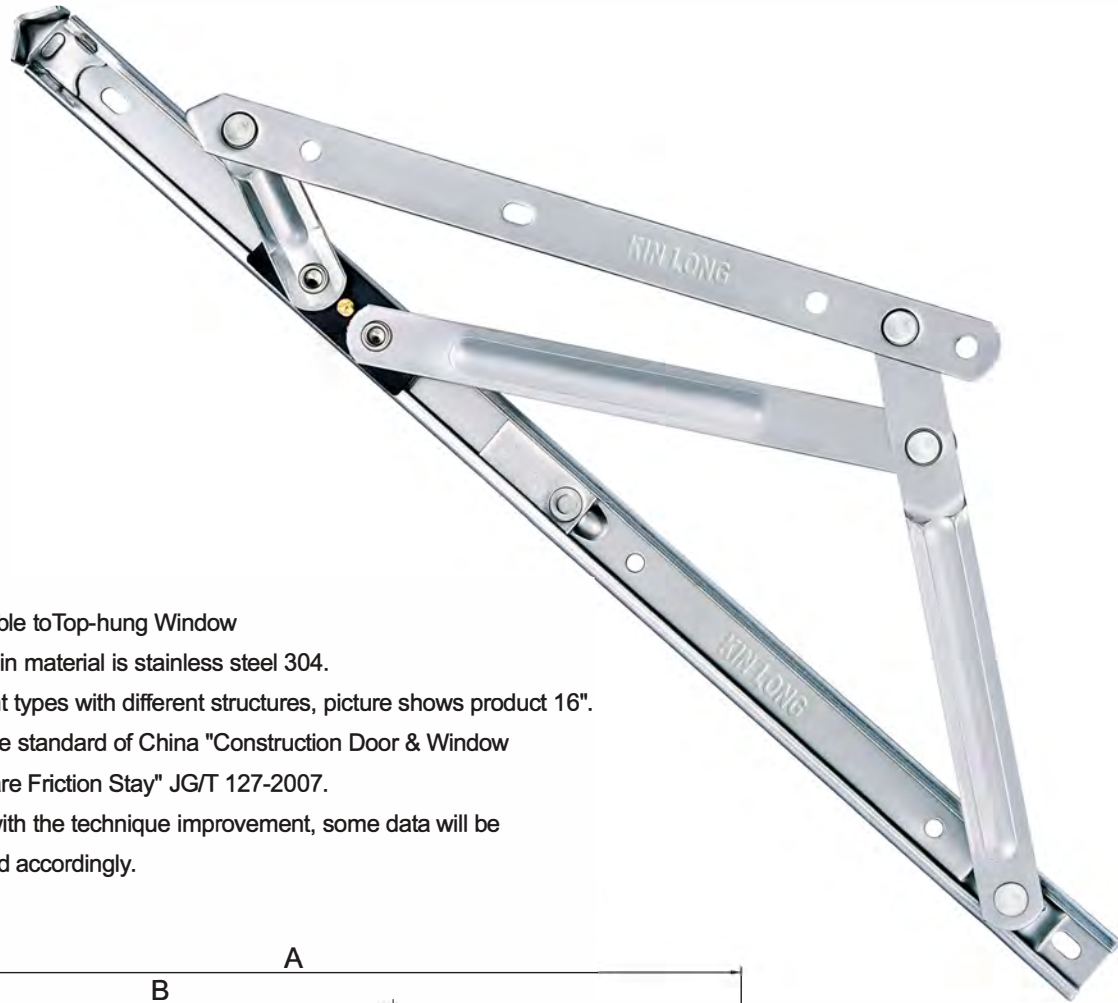


- ◆ Applicable to Top-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Different types with different structures, picture shows product 16".
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

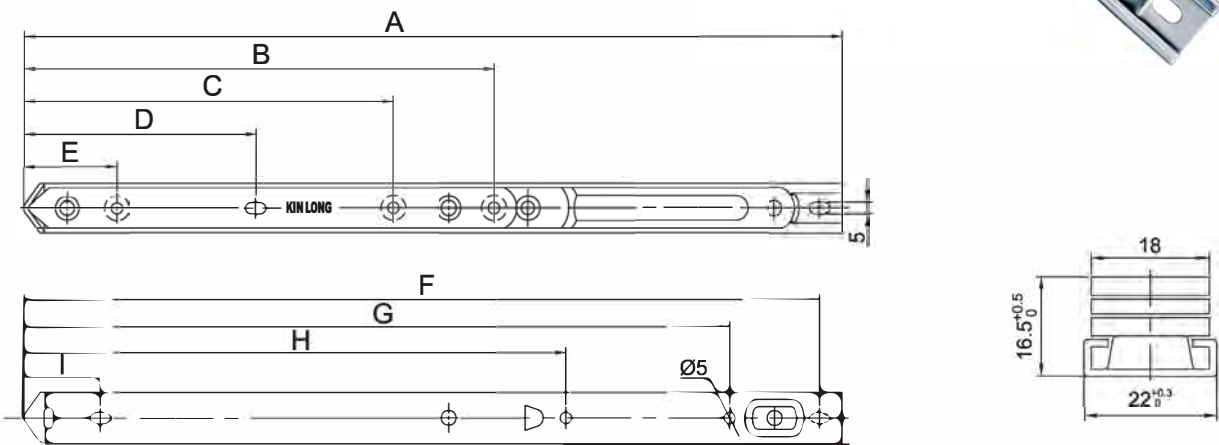


Installation Dimension Unit(mm)											Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC610-08"	212	116	--	74	--	38	201	--	162	28	550	1000	17	40°
HC610-10"	262	146	--	102	--	38	251	--	196	28	650	1050	23	40°
HC610-12"	312	177	137	80	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°

21. FJ600A Series



- ◆ Applicable to Top-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Different types with different structures, picture shows product 16".
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

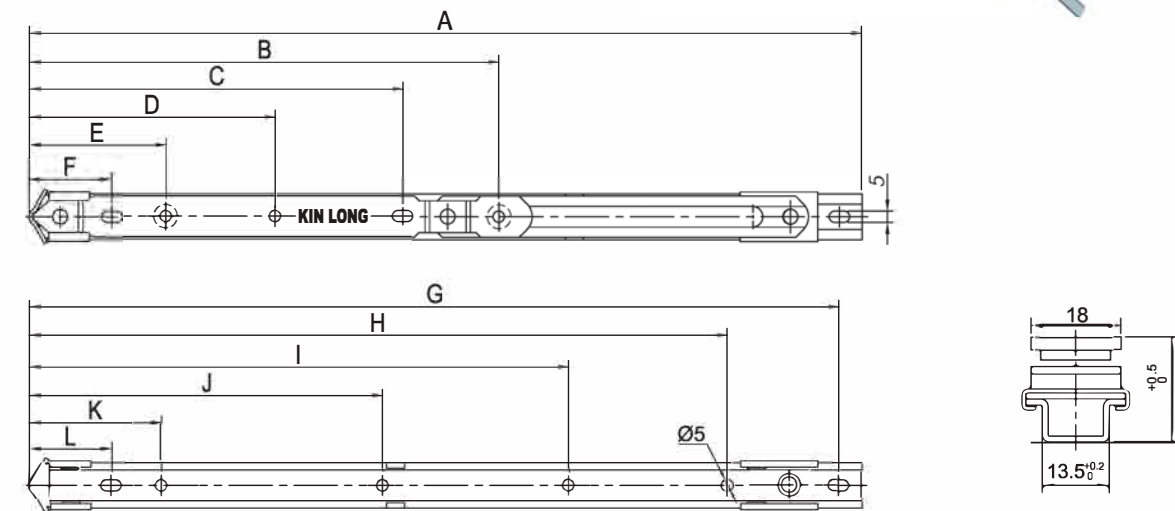


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
FJ600A-12"	314	179	134	79	41	304	264	200	34	800	1100	55	30°
FJ600A-14"	365	209	164	104	41	354	314	240	34	1000	1200	65	25°/30°
FJ600A-16"	415	240	195	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°

22. HCC60 Series



- ◆ Applicable to C-groove Top-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

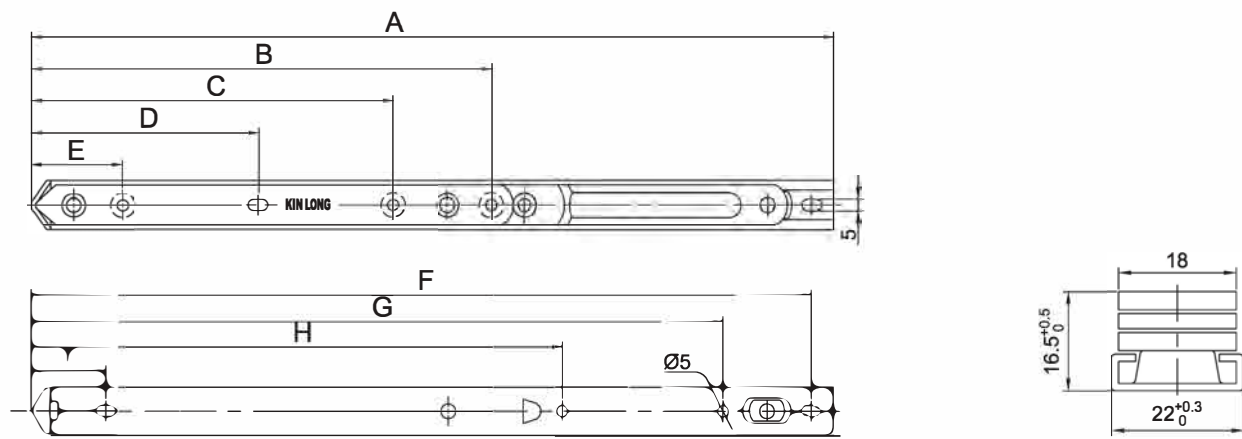


Installation Dimension Unit(mm)													Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	J	K	L	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HCC60-12"	314	182	140	--	60	36	304	255	193	151	58	36	750	1100	40	30°
HCC60-14"	365	206	164	108	60	36	355	306	236	154	58	36	950	1150	50	30°
HCC60-16"	415	232	190	125	60	36	405	356	246	159	58	36	1150	1200	65	30°

23. HC650 Series



- ◆ Applicable to Top-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Different types with different structures, picture shows product 16".
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

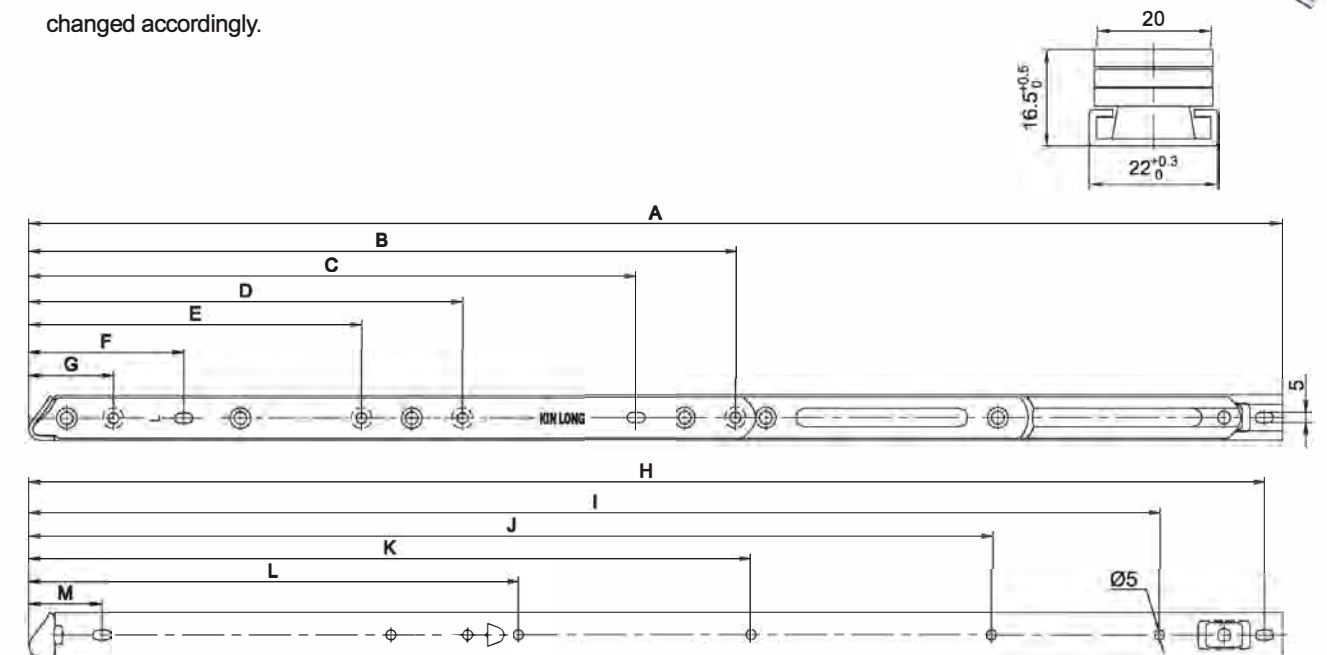


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC650-12"	314	179	134	79	41	304	264	200	34	800	1100	55	30°
HC650-14"	365	209	164	104	41	354	314	240	34	1000	1200	65	25°/30°
HC650-16"	415	240	195	104	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°

24. HC680 Series (Left&Right)



- ◆ Applicable to Top-hung Window
- ◆ The main material is stainless steel 304.
- ◆ Different types with different structures, picture shows product 24".
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

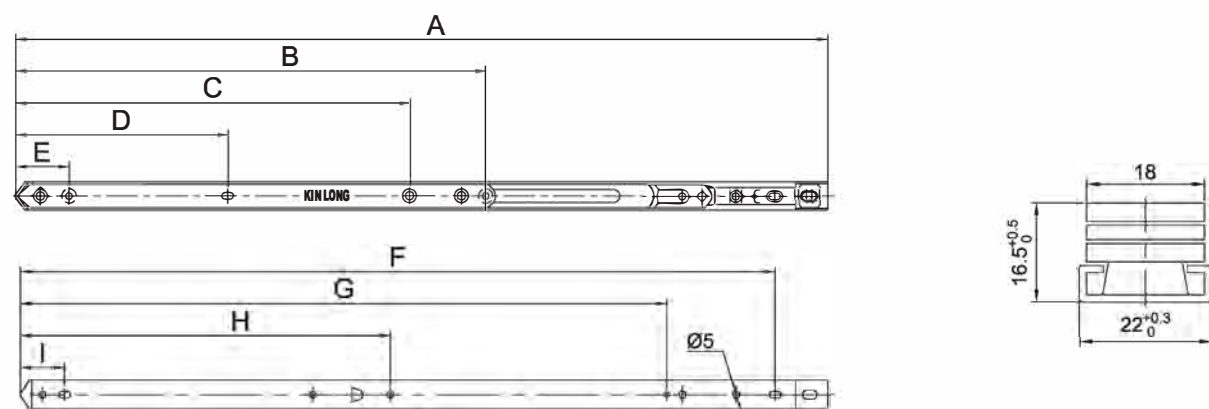


Installation Dimension Unit(mm)														Technical Parameter			
型号	A	B	C	D	E	F	G	H	I	J	K	L	M	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
HC680-20"	521	303	253	173	--	77	42	511	459	--	322	246	36	1600	1600	120	15°/25°
HC680-24"	622	356	306	216	166	75	42	613	561	483	358	248	36	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°

25. FJ900A Series

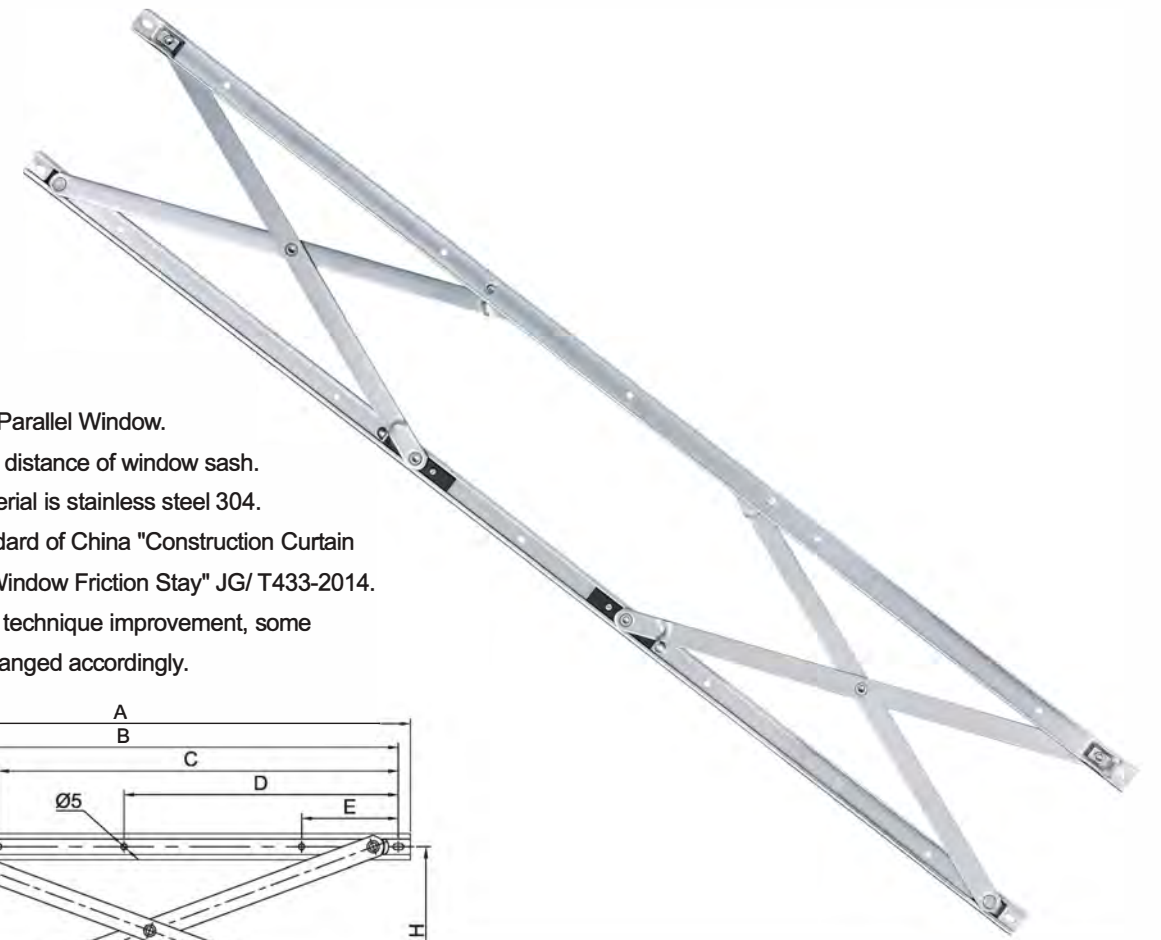


- ◆ Applicable to Top-hung Window.
- ◆ Adjustable function.
- ◆ The main material is stainless steel 304.
- ◆ Different types with different structures, picture shows product 16".
- ◆ Meet the standard of China "Construction Door & Window Hardware Friction Stay" JG/T 127-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

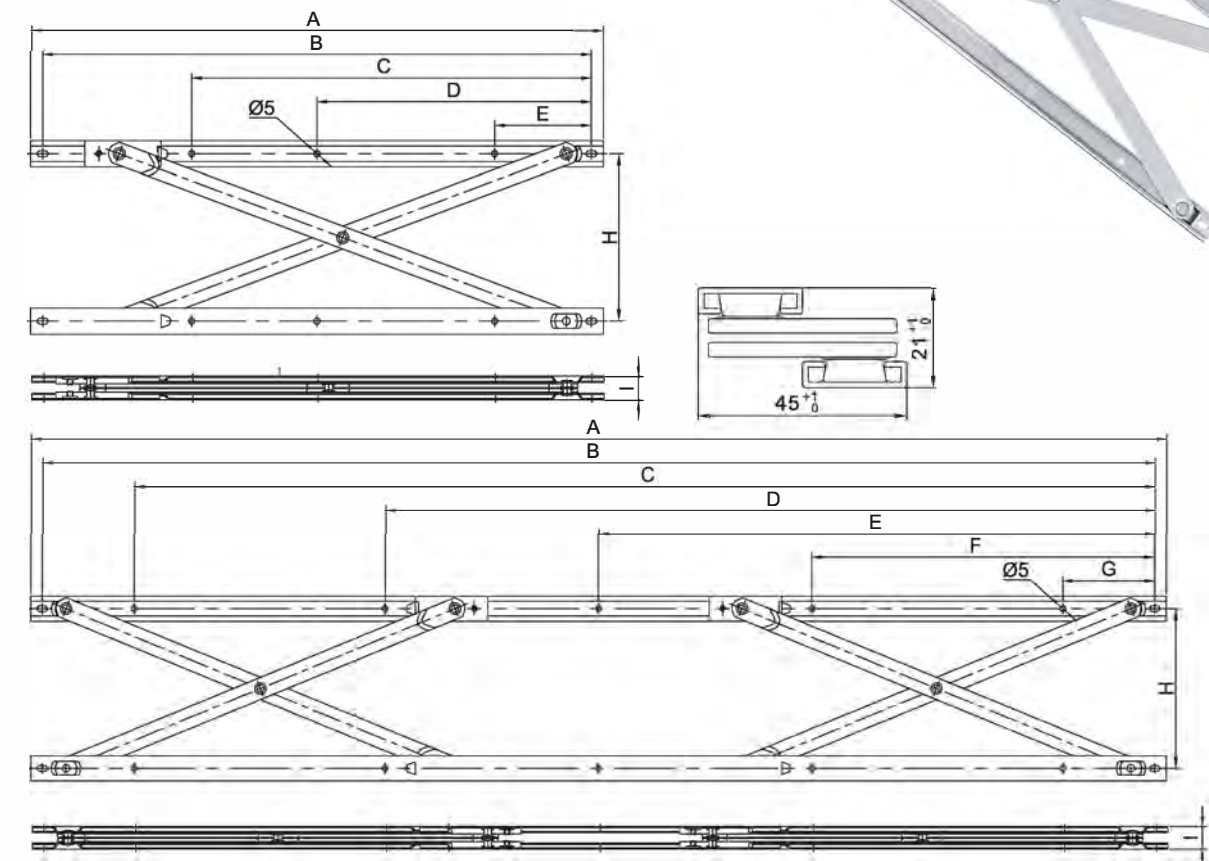


Installation Dimension Unit(mm)										Technical Parameter			
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	Open Angle
FJ900A-12"	381	179	134	79	41	340	254	200	34	800	1100	55	30°
FJ900A-14"	431	209	164	104	41	390	304	241	34	1000	1200	65	25°/30°
FJ900A-16"	482	240	195	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°

26. HC810 Series



- ◆ Applicable to Parallel Window.
- ◆ Limit the open distance of window sash.
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Curtain Wall Parallel Window Friction Stay" JG/T 433-2014.
- ◆ Along with the technique improvement, some data will be changed accordingly.

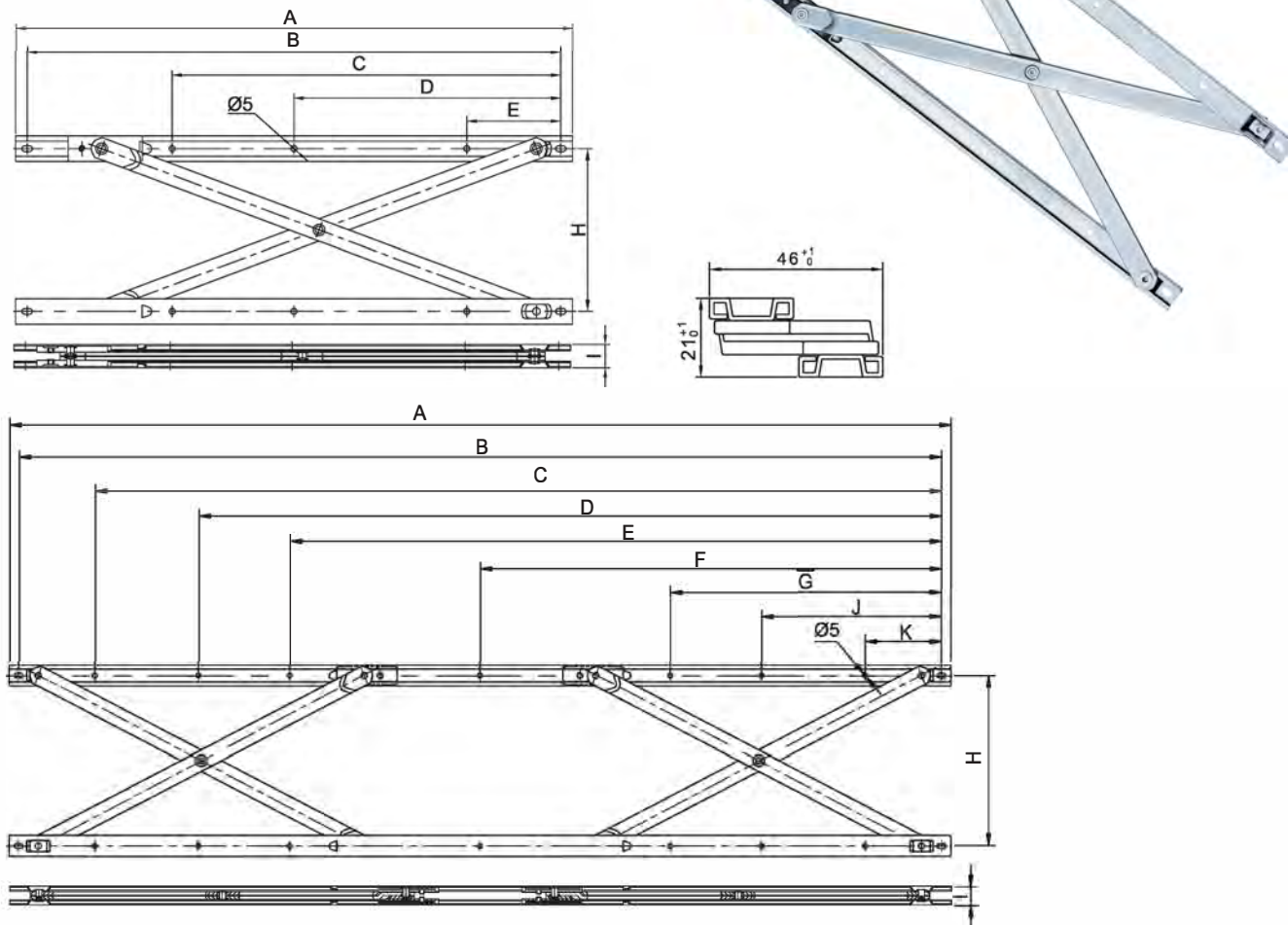


Installation Dimension Unit(mm)										Technical Parameter		
Code	A	B	C	D	E	F	G	H	I	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)
HC810-40"	1000	980	899	678	490	302	81	150	21	1600	800	80
HC810-19"	480	460	335	230	81	--	--	150	21			

★ HC810-40" should work with HC810-19".

27. HC820 Series

- ◆ Applicable to Parallel Window.
- ◆ Limit the open distance of window sash.
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Curtain Wall Parallel Window Friction Stay" JG/ T433-2014.
- ◆ Along with the technique improvement, some data will be changed accordingly.

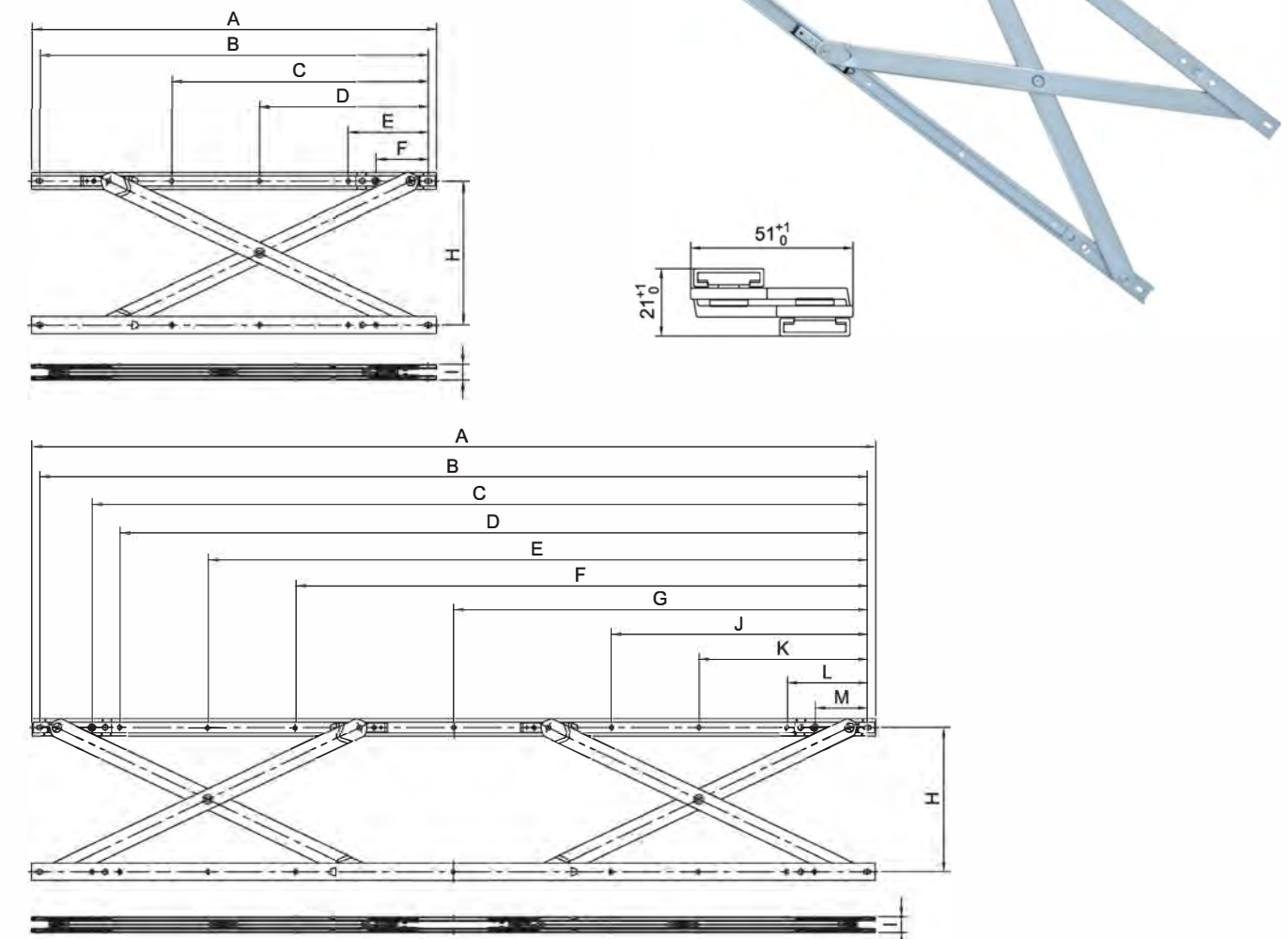


Code	Installation Dimension Unit(mm)											Technical Parameter		
	A	B	C	D	E	F	G	H	I	J	K	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)
HC820-40"	1000	980	899	789	682	490	298	160	21	191	81	1600	800	120
HC820-19"	480	460	331	230	81	--	--	160	21	--	--			

★ HC820-40" should work with HC820-19".

28. HC825 Series

- ◆ Applicable to Parallel Window.
- ◆ Limit the open distance of window sash.
- ◆ The main material is stainless steel 304.
- ◆ Meet the standard of China "Construction Curtain Wall Parallel Window Friction Stay" JG/ T433-2014.
- ◆ Along with the technique improvement, some data will be changed accordingly.



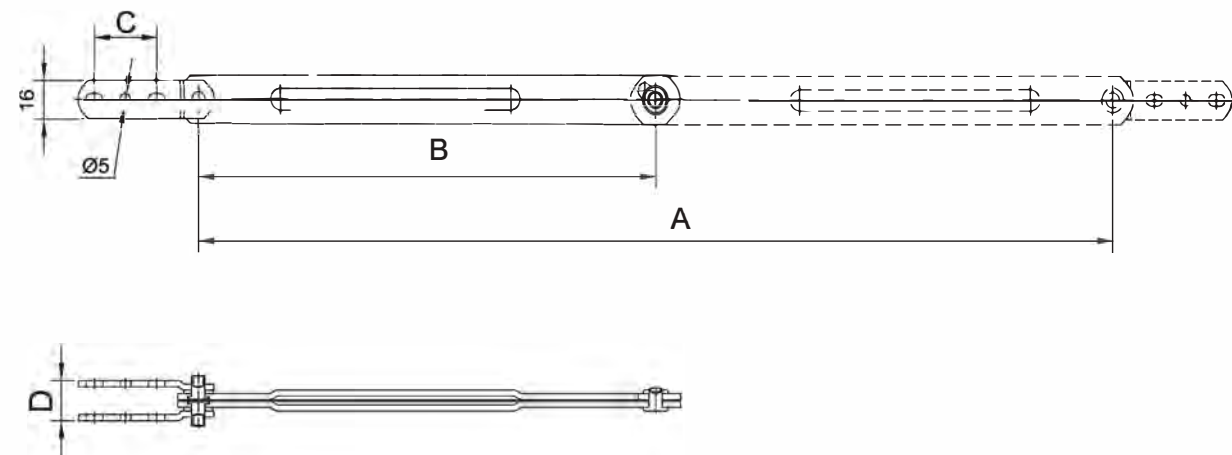
Code	Installation Dimension Unit(mm)														Technical Parameter		
	A	B	C	D	E	F	G	H	I	J	K	L	M	Maximum Height(mm)	Maximum Width(mm)	Maximum Weight(Kg)	
HC825-42"	1060	1040	974	939	828	718	520	180	21	322	212	101	66	1800	1200	160	
HC825-20"	508	488	322	212	101	66	--	180	21	--	--	--	--				

★ HC825-42" should work with HC825-20".

29. FTG10 Series (Left&Right)



- ◆ Applicable to open-out turn&tilt Window.
- ◆ Limit the window open 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.



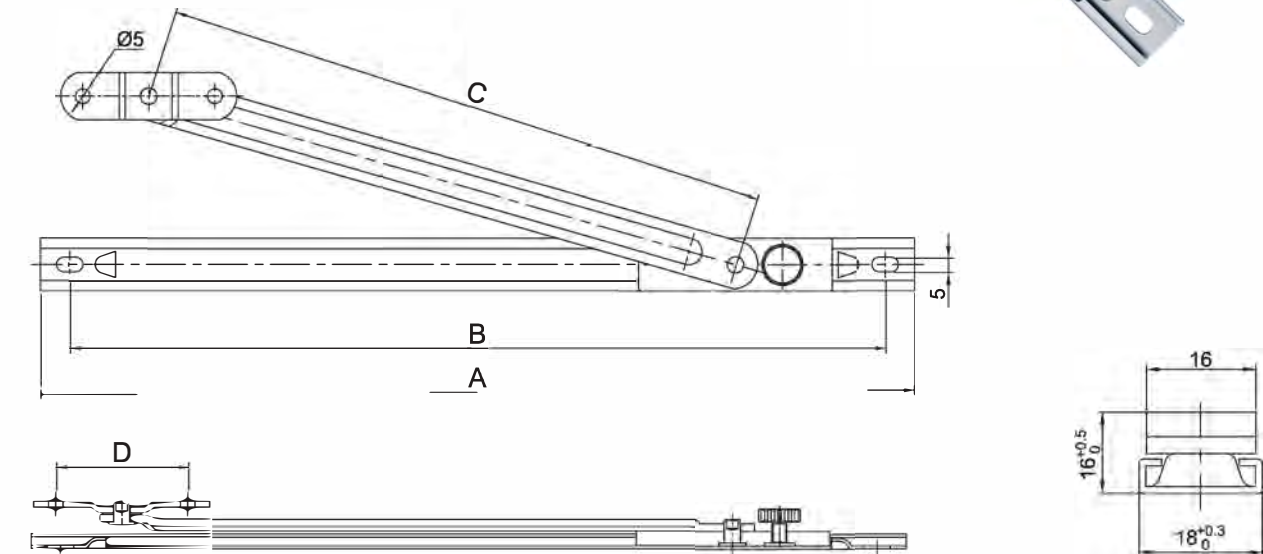
Installation Dimension Unit(mm)				
Code	A	B	C	D
FTG10-450"	450	225	30	16.5
FTG10-600"	600	300	30	16.5

★ Anti-fallout rod should work with WJL100 Series.

30. FC100 Series



- ◆ Suitable for Profile Without Groove
- ◆ Restrict opening angle
- ◆ Prevent window closing suddenly by strong wind and breaking window
- ◆ Meet the standard of China "Construction Door & Window Hardware Peg Stay" JG/T128-2007
- ◆ 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

31. FC200 Series



- ◆ Suitable for Profile Without Groove
- ◆ Restrict opening angle
- ◆ Prevent window closing suddenly by strong wind and breaking window
- ◆ Meet the standard of China "Construction Door & Window Hardware Peg Stay" JG/T128-2007
- ◆ Along with the technique improvement, some data will be changed accordingly.

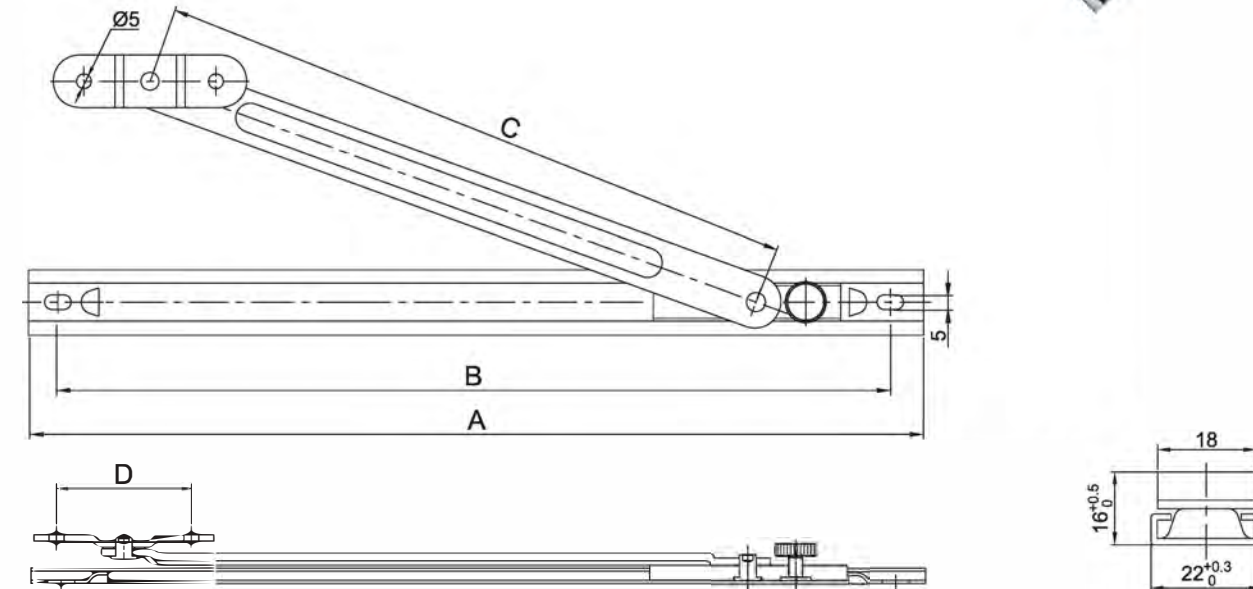


Installation Dimension Unit(mm)				
Code	A	B	C	D
FC200-10"	254	234	169	45
FC200-12"	305	285	220	45
FC200-14"	356	336	273	45
FC200-16"	410	390	324	45

32. FC210 Series

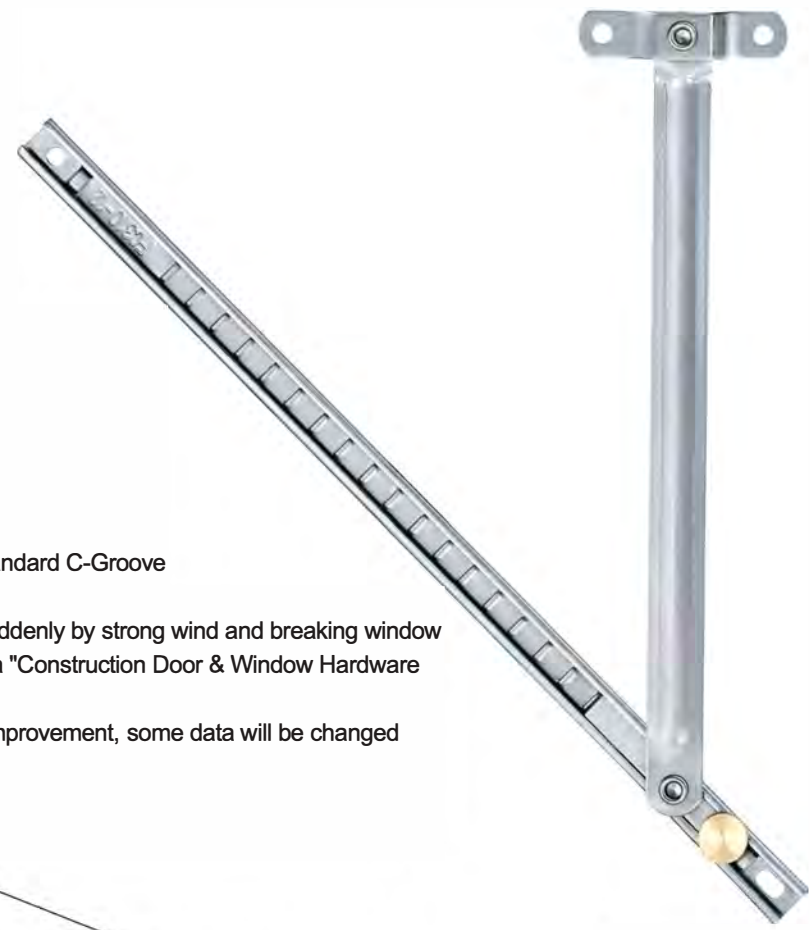


- ◆ Suitable for Profile Without Groove
- ◆ Restrict opening angle
- ◆ Prevent window closing suddenly by strong wind and breaking window
- ◆ Meet the standard of China "Construction Door & Window Hardware Peg Stay" JG/T128-2007
- ◆ Along with the technique improvement, some data will be changed accordingly.

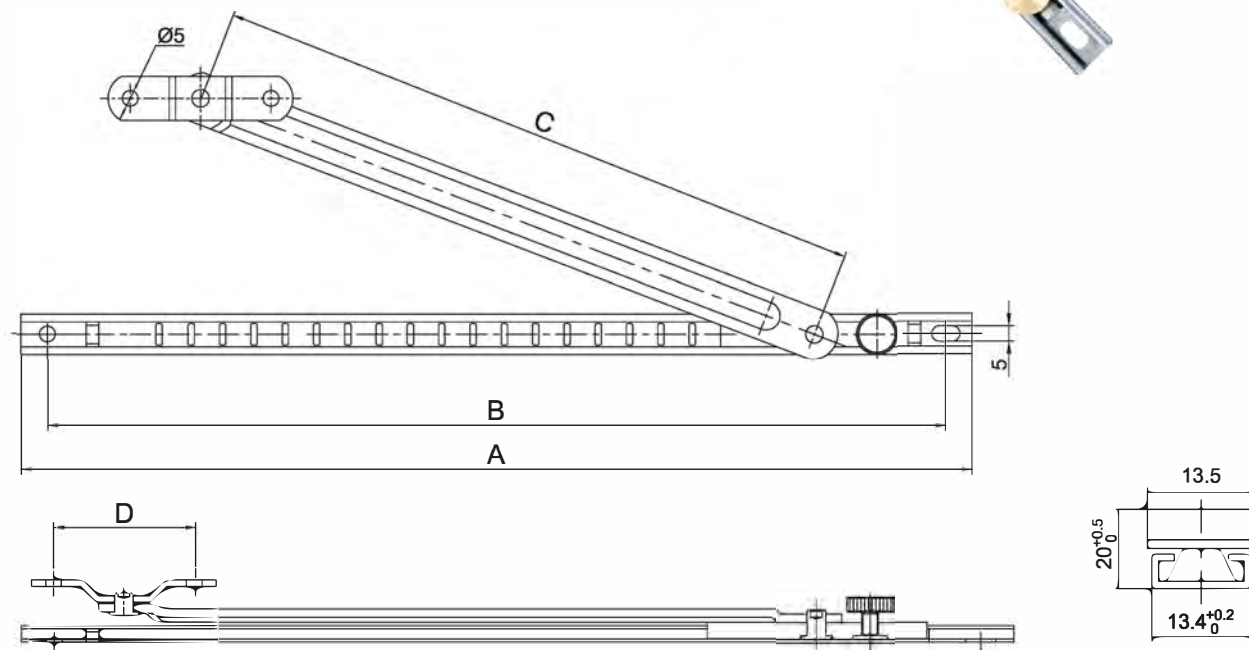


Installation Dimension Unit(mm)				
Code	A	B	C	D
FC210-10"	254	234	169	45
FC210-12"	305	285	220	45
FC210-14"	356	336	273	45

30. FC310 Series



- ◆ Suitable for Profile with Standard C-Groove
- ◆ Restrict opening angle
- ◆ Prevent window closing suddenly by strong wind and breaking window
- ◆ Meet the standard of China "Construction Door & Window Hardware Peg Stay" JG/T128-2007
- ◆ Along with the technique improvement, some data will be changed accordingly

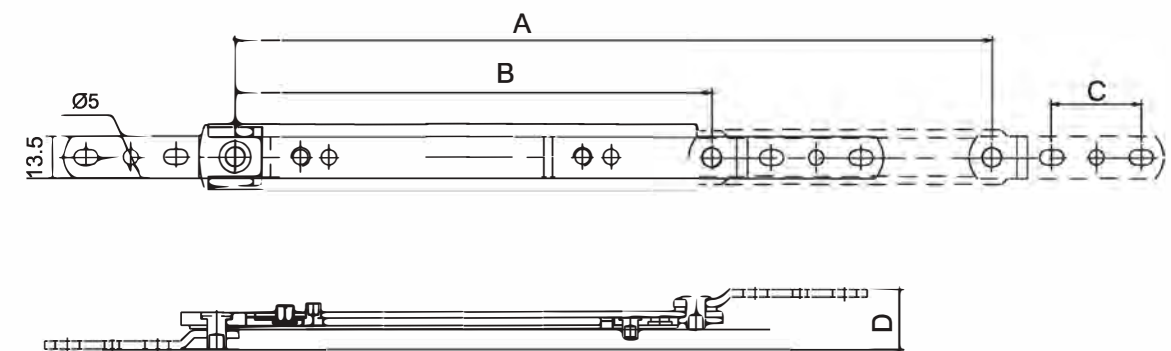


Installation Dimension Unit(mm)				
Code	A	B	C	D
FC310-10"	254	237	165	45
FC310-12"	304	287	210	45
FC310-14"	354	337	255	45

31. FC350 Series



- ◆ Suitable for Profile with Standard C-Groove
- ◆ Restrict opening angle
- ◆ Prevent window closing suddenly by strong wind and breaking window
- ◆ Meet the standard of China "Construction Door & Window Hardware Peg Stay" JG/T128-2007
- ◆ Along with the technique improvement, some data will be changed accordingly

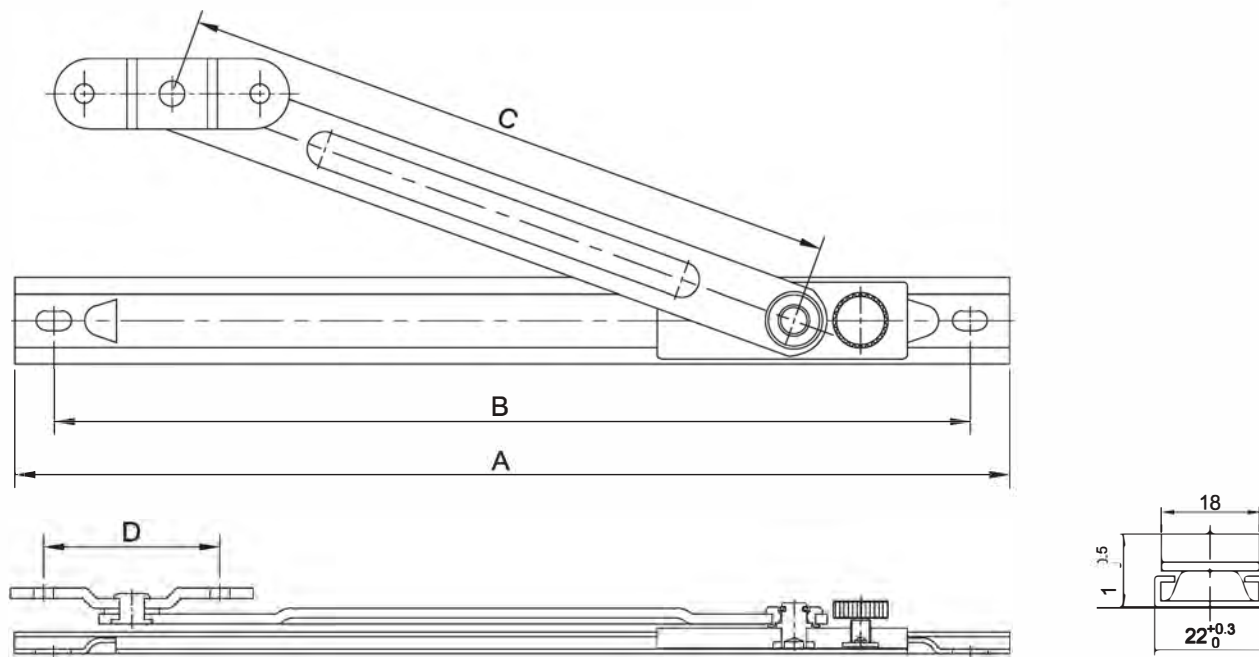


Installation Dimension Unit(mm)				
Code	A	B	C	D
FC350-08"	204	135	30	20
FC350-10"	254	160	30	20
FC350-12"	304	185	30	20

32. 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, have the escape function.
- ◆ Meet the standard of China "Construction Door & Window Hardware Peg Stay" JG/T 128-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

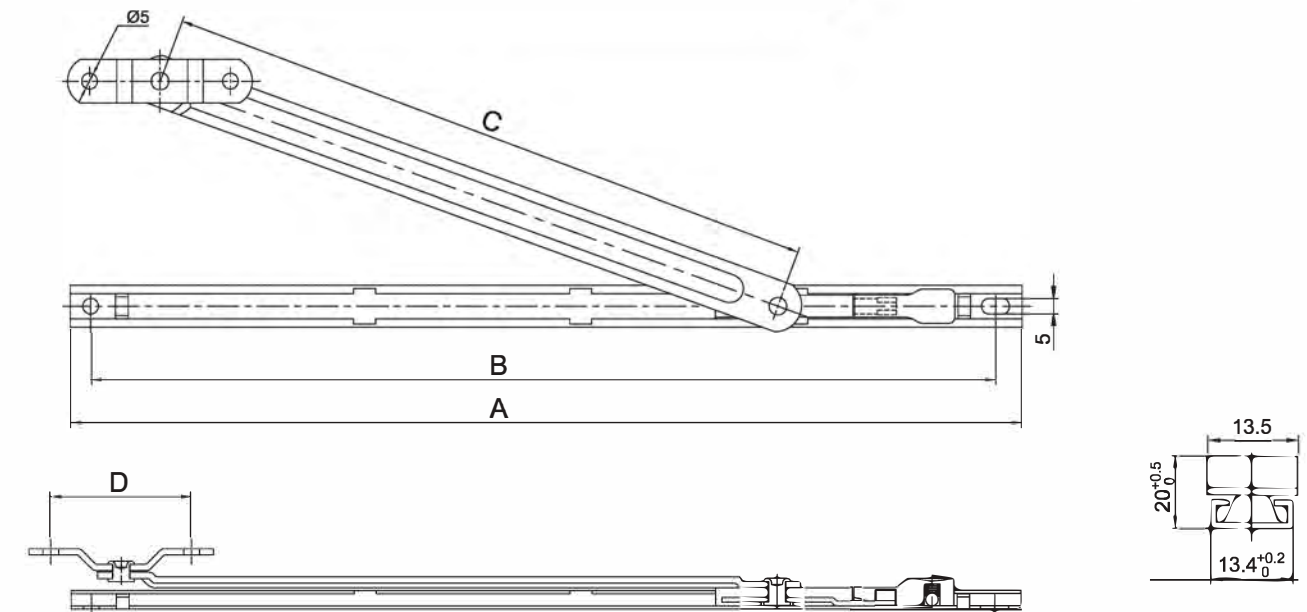


Installation Dimension: Unit(mm)				
Code	A	B	C	D
FC410-10"	254	234	169	45
FC410-12"	305	285	220	45
FC410-14"	356	336	273	45
FC410-16"	410	390	324	45

33. FC500 Series



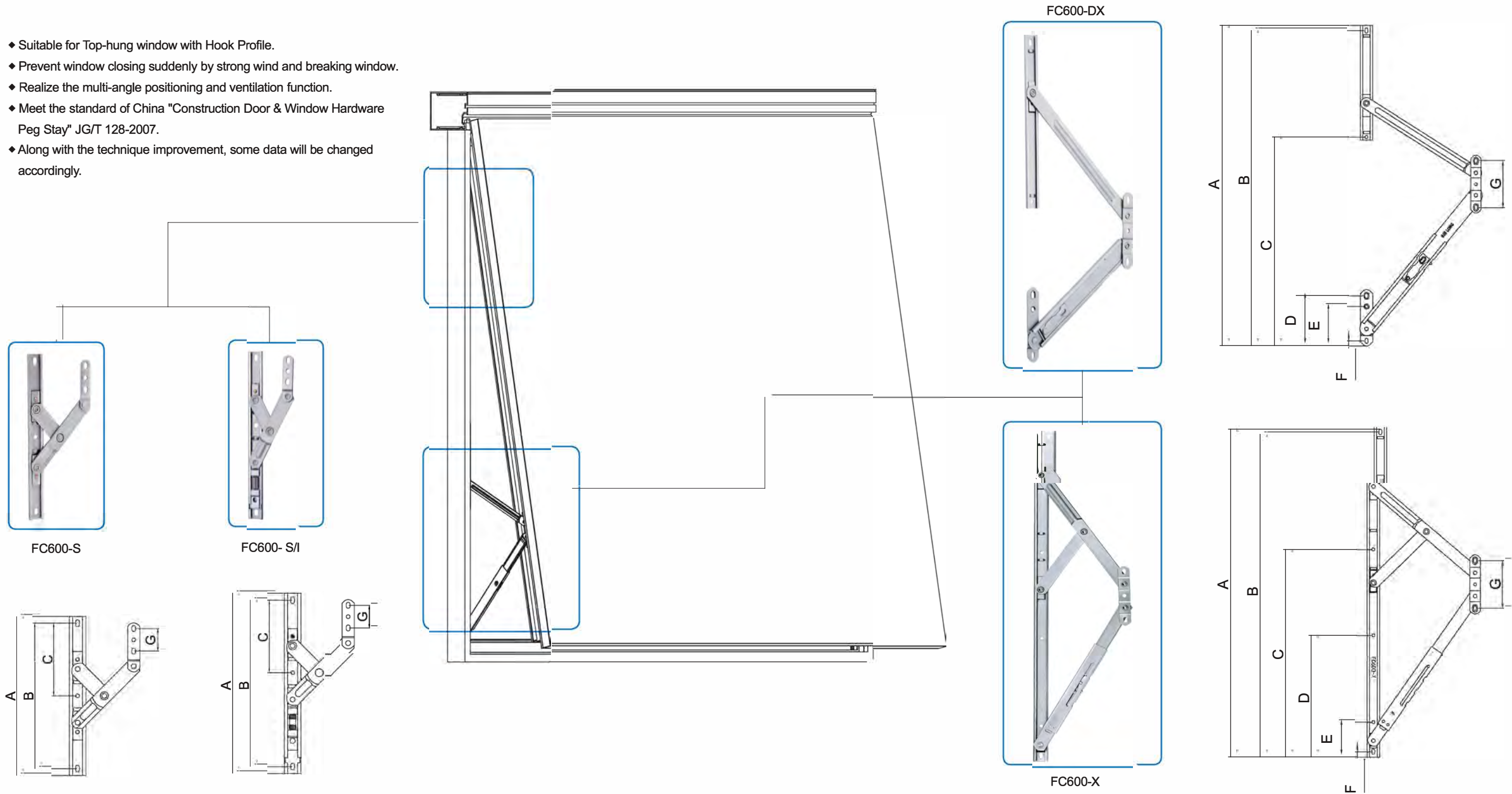
- ◆ Suitable for Profile with Standard C-Groove
- ◆ Restrict opening angle
- ◆ Prevent window closing suddenly by strong wind and breaking window
- ◆ Realize multi-angle positioning function
- ◆ Meet the standard of China "Construction Door & Window Hardware Peg Stay" JG/T128-2007
- ◆ Along with the 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

34. FC600 Series (Left&Right)

- ◆ Suitable for Top-hung window with Hook Profile.
- ◆ Prevent window closing suddenly by strong wind and breaking window.
- ◆ Realize the multi-angle positioning and ventilation function.
- ◆ Meet the standard of China "Construction Door & Window Hardware Peg Stay" JG/T 128-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.



Installation Dimension: Unit(mm)				
Code	A	B	C	G
FC600-S"	210	192	96	30
FC600-S/I"	238	220	96	30

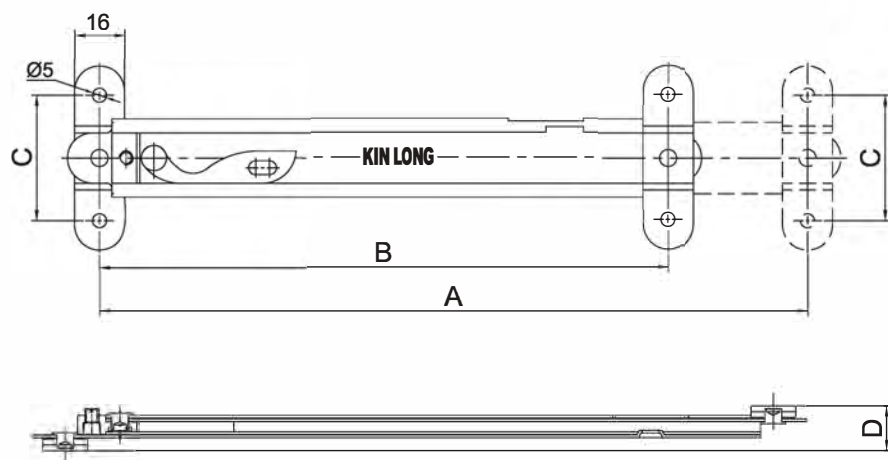
Installation Dimension: Unit(mm)							
Code	A	B	C	D	E	F	G
FC600-X"	566	557	358	210	60	9	82
FC600-DX"	566	557	351	89	70	9	82

* Upper Hook pegstay should work with Lower Hook pegstay, to realize the positioning and ventilation function of Top-hung window with Hook Profile.

35. SC320 Series (Left & Right)



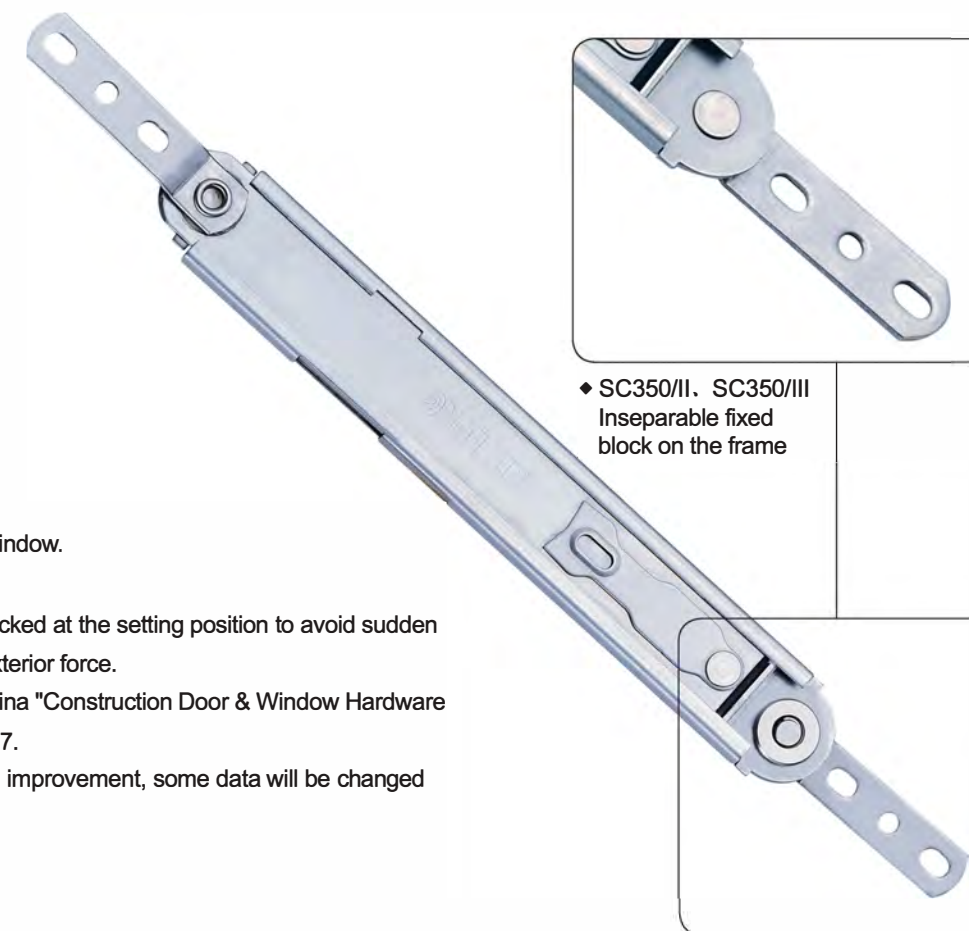
- ◆ Suitable for Top-hung window
- ◆ Restrict opening angle
- ◆ Can be locked at designed position to avoid sudden closing of the sash by exterior force
- ◆ Meet the standard of China "Construction Door & Window Hardware Peg Stay" JG/T128-2007
- ◆ Along with the technique improvement, some data will be changed accordingly



Installation Dimension Unit(mm)				
Code	A	B	C	D
SC320-08"	204	158	45	16
SC320-10"	254	183	45	16
SC320-12"	305	208	45	16
SC320-14"	356	234	45	16
SC320-16"	407	259	45	16

* Note: Retractable Pegstay should work with the friction stay

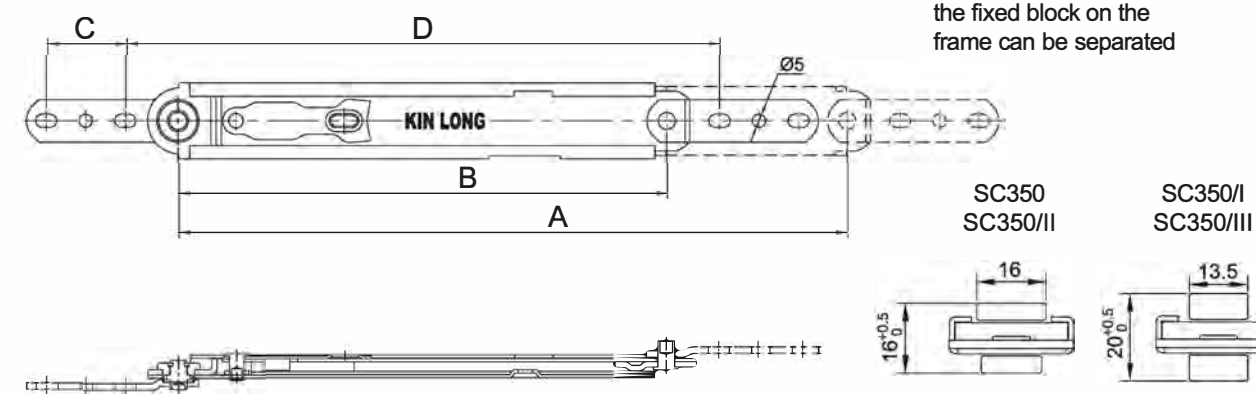
36. SC350 Series(Left & Right)



- ◆ Suitable for Top-hung Window.
- ◆ Restrict opening angle.
- ◆ High Strength, can be locked at the setting position to avoid sudden closing of the sash by exterior force.
- ◆ Meet the standard of China "Construction Door & Window Hardware Peg Stay" JG/T 128-2007.
- ◆ Along with the technique improvement, some data will be changed accordingly.

◆ SC350/II. SC350/III
Inseparable fixed
block on the frame

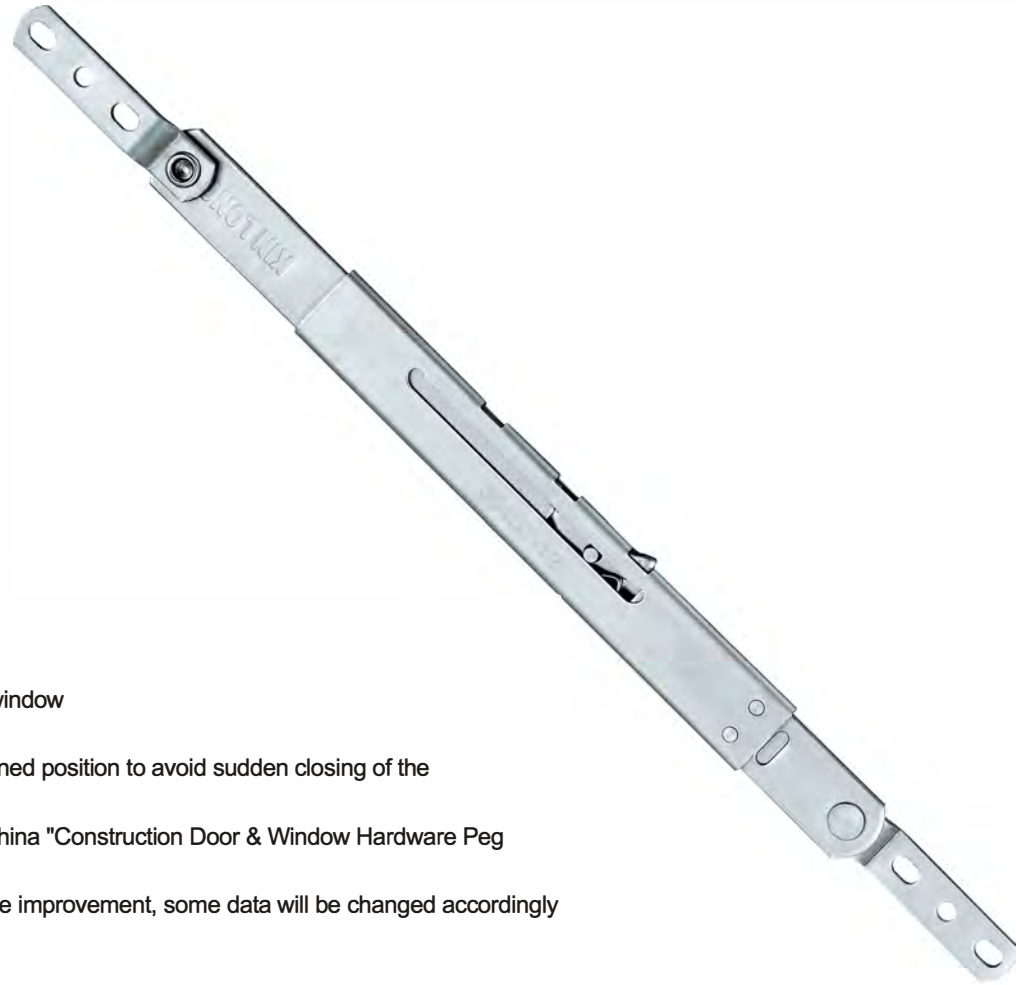
◆ SC350. SC350/I
the fixed block on the
frame can be separated



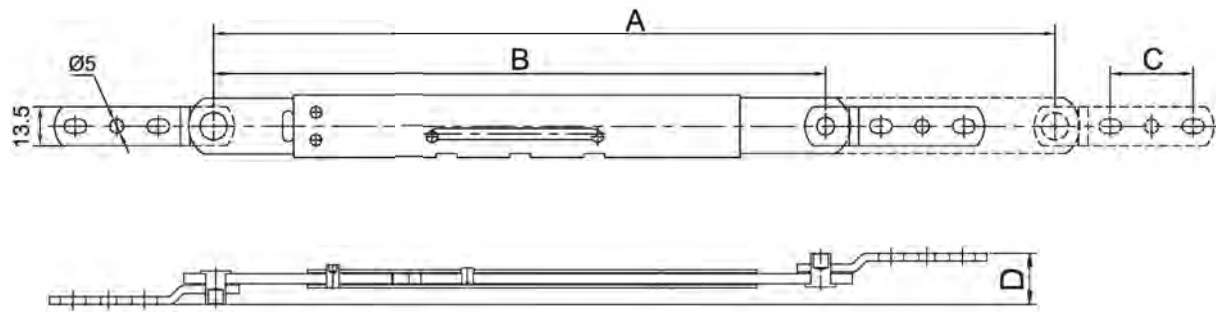
Installation Dimension: Unit(mm)				
Code	A	B	C	D
SC350-10"	254	186	30	227
SC350-12"	305	211	30	252
SC350-14"	356	237	30	278
SC350-16"	407	262	30	303

* Retractable Pegstay should work with the Friction stay.

37. SC400 Series (Left & Right)



- ◆ Suitable for Top-hung window
- ◆ Restrict opening angle
- ◆ Can be locked at designed position to avoid sudden closing of the sash by exterior force
- ◆ Meet the standard of China "Construction Door & Window Hardware Peg Stay" JG/T128-2007
- ◆ Along with the technique improvement, some data will be changed accordingly



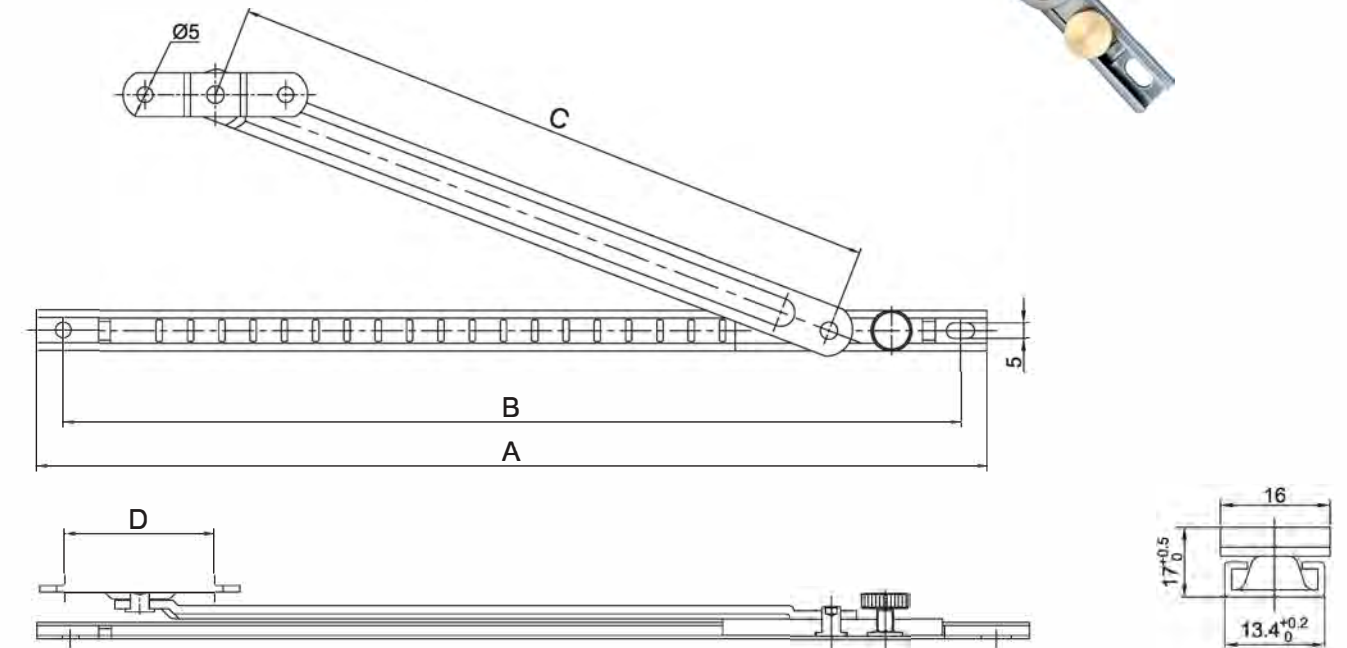
Installation Dimension Unit(mm)				
Code	A	B	C	D
SC400-10"	254	191	30	16
SC400-12"	305	222	30	16

* Note: The multi-gear retractable Pegstay should work with the friction stay

37. PFC0200 Series



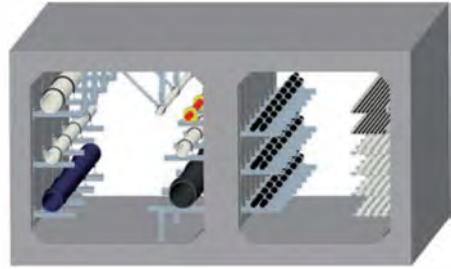
- ◆ Suitable for PVC profile window
- ◆ Restrict opening angle
- ◆ Prevent window closing suddenly by strong wind and breaking window
- ◆ Meet the standard of China "Construction Door & Window Hardware Peg Stay" JG/T128-2007
- ◆ Along with the technique improvement, some data will be changed accordingly



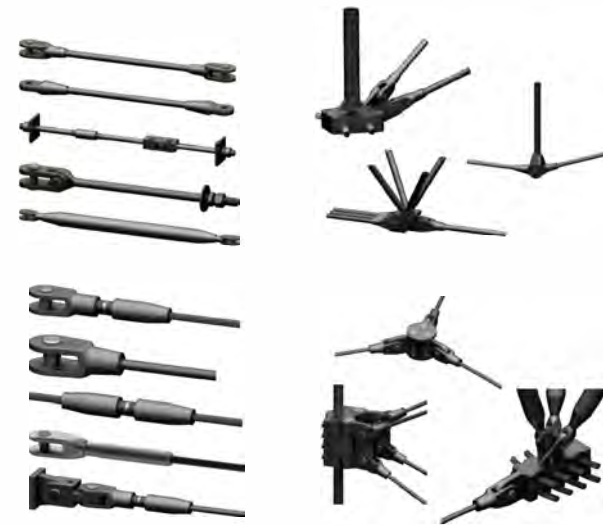
Installation Dimension Unit(mm)				
Code	A	B	C	D
PFC0200-10"	254	237	165	45
PFC0200-12"	304	287	210	45
PFC0200-14"	354	337	255	45

PRODUCT WORLD

PIPE GALLERY, PIPELINE, RAIL TRANSPORTATION PRODUCT



CABLE PRODUCT SERIES FOR STRUCTURAL ENGINEERING



INTERIOR DECORATION FITTING

DOOR CONTROL HARDWARE SERIES



LOCK HARDWARE SERIES



BATHROOM HARDWARE SERIES



S.S. RAILING SYSTEM



IMPORT ARCHITECTURAL MATERIALS SERIES

AUSTRIA U GROOVE HARDWARE SERIES



ITALIAN FAPIM ALUMINUM DOORS & WINDOWS HARDWARE



SWISS GILGEN AUTOMATIC DOOR



CURTAIN WALL SYSTEM

POINT-FIXED GLASS WALL FITTINGS SERIES



CAST-IN CHANNEL ACCESSORY



ANCHORING PRODUCTS SERIES



FASTENING PRODUCTS SERIES



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ALUMINUM DOOR & WINDOW HARDWARE



NEWANTON SEALED INSULATION SYSTEM



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FLEX POWER TOOLS SERIES



SMART HOME SERIES

HBS SMART LOCK



GEMVARY VIDEO INTERCOM SYSTEM



GIVEN INTELLIGENCE LAUNDRY RACK SERIES

