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- If there is change, sorry for no notice.
- Printed in Jan., 2020.



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for more information

KINLONG For Better Living

KIN LONG
For Better Living

Catalogue For Door and Window Integrated Solution



Catalogue For Door and
Window Integrated Solution



GUANGDONG KIN LONG HARDWARE PRODUCTS CO.,LTD.

No.3 Jianlang Rd, Daping Industrial Zone, Tangxia Town, Dongguan City, China

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F : 0086-769-82955240 82955241

E : mail@kinlong.com

H : www.kinlong.com

www.kinlong.com

ESTABLISHING BENCHMARK AND PURSUING EXCELLENCE

STOCK CODE: 002791

TO IMPROVE THE HUMAN
BEING'S LIVING CONDITIONS AND
MAKE KIN LONG THE SYNONYM
FOR HIGH-QUALITY.

More than **300,000** m²
production area.

More than **10,000** employees.

More than **100** countries have been
covered by our sales offices or agencies.

KIN LONG is a professional solution provider with full perspective of construction material engaged in Sales&Service, Production and R&D functions. The company mission is to supply high quality products in construction industry. Nowadays, KIN LONG is a listed company in Shenzhen Stock Exchange Market (Stock Name: KIN LONG Hardware with number of 002791) and delivers its reputable products to China and international market.

KIN LONG has production area more than 300,000m² and employs more than 10,000 staffs. Sales coverage has more than 100 countries.

The company embraces the philosophy of "Unique value can only be created by professionalism, speculation has no future" which has been cultivated to every employee including managers, junior staff and all new recruitments. Through its continuous innovation, KIN LONG nowadays stands on the leading position in domestic and oversea market.

KIN LONG adopts advanced production technology and collaborates with many technical experts and product designers to reinforce its product development and innovation. This guarantees the products standing on the cutting edge position among the competitions, The company has very extensive product portfolios, holding over 700

patents in China and oversea countries. Aiming to provide better solution through expansion of product portfolio and advanced innovation is a strong driver of growth. Products with advanced engineering, elegant aesthetic designs and excellent quality satisfy customer's various criteria and gain their trust and support. KIN LONG has been part of many famous buildings and benchmark projects through its products and service. These buildings and projects are witnessed by KIN LONG staff and become their pride.

Every designer, engineer and company committed in construction industry, KIN LONG is always the most trustworthy and reliable partner.



MAKING PROGRESS AND LEADING THE MARKET BY INNOVATION

KIN LONG KEEPS MAKING PROGRESS BY INNOVATION, BY WHICH WE HAVE OBTAINED RECOGNITION AND HIGH PRAISE FROM STATE DEPARTMENTS, GOVERNMENT UNITS AND ALL SECTORS IN THE SOCIETY, AND WE HAVE GOT MANY ACHIEVEMENTS.



Overseas and domestic authorized valid patents are **776** items.

In which, patents of invention are **85** items.

We have obtained honors of high-tech product in Guangdong province of **20** items.

Famous brand in Guangdong province of **2** items.

We took part in the standards compiling of **194** items.

KIN LONG has overseas and domestic registered trade mark of **521** items

KIN LONG adheres to the philosophy that Unique value can only be created by professionalism, speculation has no future. Our enterprise core value is to respect science; Striving for coexistence and all-win; Promoting constant innovation; Pursuing sincerity and trustworthiness. And we always insist making innovation, breaking through and making progress, increasing our capacity of research, by which we have obtained recognition and praise from government departments, units and all areas in the society and get many achievements. We pay great attention to the needs from our customers and the prospect of our industry, consistently pursuing perfect, good quality, excellent service and systematic solutions. Our quick and accurate ability of handing over are always leading the market.

REPRESENTATIVE HONOR

- National Science and Technology Progress Award Second Prize
- Huaxia Building Science and Technology Award First Prize
- China Steel Structure Science and Technology Award First Prize
- National Advanced Intellectual Property Enterprises
- Remarked as the most influential brand of Jin Xuan award for construction doors, windows and curtain walls industry for two times
- National High-Tech Enterprise
- Well-known Brand in China
- Guangdong Famous Brand

REPRESENTATIVE R & D INNOVATION HONOR

- Testing Center is certified by National Accreditation Board for Laboratories
- Guangdong Provincial Enterprise Technology Center and Provincial Engineering Center

KIN LONG IS LEADING THE MARKET BY GOOD QUALITY, EXCELLENT SERVICE, SYSTEMATIC SOLUTIONS AND QUICK AND ACCURATE ABILITY TO HAND OVER.



Our Social Responsibility



For more than a decade, KIN LONG has never forgotten to give back to society while developing itself. As of March 2019, more than 40 Hope Primary Schools have been donated in remote and backward areas, which will build bright classrooms and wide playgrounds for children in remote areas, and even enlighten their desire for knowledge and dreams of life. We hope in the name of love, we can pass the social responsibility and tenderness of KIN LONG to everyone. In the future, we'll continue to donate and build Hope Primary Schools to contribute to our nation's education. Scholarships were set up in South China University of Technology, Chongqing University, Southeast University and other universities to help students.

To Form a Full-chain Comprehensive Advantage



Perfect Service and Quick Response



- Countries with Subsidiaries & Warehouse (UAE / India / Vietnam / Thailand / Malaysia / Philippine / Indonesia / Mexico)
- Sales Office (Hong Kong / Tai Wan / Austria / Russia / Saudi / Iran / Qatar / Kuwait / Egypt / Cambodia / Myanmar / Sri Lanka / Bangladesh / Kazakhstan)

Certificate And Test Report

Nachweis
Fensterbeschläge für Drehkipp-, Kippdreh- und Drehfenster gemäß Kombinationsprüfung Zertifizierungsprogramm QM 328
Prüfbericht Nr. 13-001883-PR02 (FB-G05-03-de-01)

Auftraggeber: Guangdong Kinlong Hardware Products Co., Ltd.
No. 3, LuDiKang Road, Daping Industrial Zone, Tangxia Town, 523722 Dongguan City, China

Produkt: einflügeliges Dreh-Kipp Fenster

Bezeichnung: NPD200 System

Leistungsmerkmale / Produktmerkmale: Flügelmaß (B x H): 1300 mm x 1200 mm; Rahmenmaterial: Aluminium; Flügelgewicht: 90 kg; Beschlag: Dreh-Kipp Beschlag / Guangdong Kinlong Hardware Products Co., Limited; Ausführung Flügelbeschlag: NPD200; Beschreibung der Sonderanforderungen Beschlagsausführung: Schenkelfuß / Schenkelfuß; NDHA10; System / Kategorie: NCHB10.

Ergebnis: Dauerfunktion - Kombinationsprüfung nach EN 13126-8 : 2008 und EN 1191:2012 laut QM 328, Anlage 2. Anforderung erfüllt. Bedingungskräfte nach EN 13115:2001 Klasse 2.

ifft ROSENHEIM
05.11.2015

Nachweis
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Auftraggeber: Guangdong Kinlong Hardware Products Co., Ltd.
No. 3, LuDiKang Road, Daping Industrial Zone, Tangxia Town, 523722 Dongguan City, China

Produkt: einflügeliges Dreh-Kipp Fenster

Bezeichnung: SCPX100 System

Leistungsmerkmale / Produktmerkmale: Flügelmaß (B x H): 1300 mm x 1200 mm; Rahmenmaterial: PVC; Flügelgewicht: 90 kg; Beschlag: Dreh-Kipp Beschlag / Guangdong Kinlong Hardware Products Co., Limited; Ausführung Flügelbeschlag: SCPX100; Beschreibung der Sonderanforderungen Beschlagsausführung: Schenkelfuß / Schenkelfuß; PHYXN002, Eckkern / Eckkern; PHYXN009.

Ergebnis: Dauerfunktion - Kombinationsprüfung nach EN 13126-8 : 2008 und EN 1191:2012 laut QM 328, Anlage 2. Anforderung erfüllt. Bedingungskräfte nach EN 13115:2001 Klasse 2.

ifft ROSENHEIM
05.11.2015

Certificate And Test Report

Test Report No. 7191192818-MEC18-02-DL
dated 9 Oct 2018

SUBJECT: Endurance test (50,000 cycles) of multi-point (2-point) lock handle affixed to the casement window system.

TESTED FOR: Guangdong Kin Long Hardware Products Co., Ltd.
No. 3 Jian Lang Road, Daping, Tangxia Town, Dongguan City, 523722 Guangdong
Attn: Ms. Lam Ki Teng

TEST METHOD: Adopted from BS 6462 : 1985, Clause 5.2.3 - Resistance to wear. The handle was operated (lock & unlock) up to 50,000 cycles at a rate of not more than one complete cycle per 10 seconds. (See Figure 1 on page 3 for the test set-up).

DESCRIPTION OF SAMPLE: One aluminium casement window system consisting of one casement was installed onto the test rig for the handle endurance test.

Overall size: 600 mm (width) X 1400 mm (height)
Size of casement sash: 563 mm (width) X 1363 mm (height)
Weight of casement sash: 10 kg
Maximum opening of window: 30 degree
Length of handle: 120 mm
Brand / Model of multi-point lock handle: KIN LONG / CZS308

DRAWING SUBMITTED: 1 sheet of window handle drawing
1 sheet of window drawing

DATE OF SAMPLE RECEIVED: 05 Jun 2018

DATE OF TEST: 20 Sep 2018 to 25 Sep 2018

Test Report No. 7191192819-MEC18-02-DL
dated 9 Oct 2018

SUBJECT: Endurance test (50,000 cycles) of multi-point (2-point) lock handle affixed to the top hung window system.

TESTED FOR: Guangdong Kin Long Hardware Products Co., Ltd.
No. 3 Jian Lang Road, Daping, Tangxia Town, Dongguan City, 523722 Guangdong
Attn: Ms. Lam Ki Teng

TEST METHOD: Adopted from BS 6462 : 1985, Clause 5.2.3 - Resistance to wear. The handle was operated (lock & unlock) up to 50,000 cycles at a rate of not more than one complete cycle per 10 seconds. (See Figure 1 on page 3 for the test set-up).

DESCRIPTION OF SAMPLE: One aluminium top hung window system consisting of one top hung was installed onto the test rig for the handle endurance test.

Overall size: 800 mm (width) X 1200 mm (height)
Size of top hung sash: 800 mm (width) X 1200 mm (height)
Weight of top hung sash: 15 kg
Restricted opening of window: 30 degree
Length of handle: 120 mm
Brand / Model of multi-point lock handle: KIN LONG / CZS619

DRAWING SUBMITTED: 1 sheet of window handle drawing
1 sheet of window drawing

DATE OF SAMPLE RECEIVED: 05 Jun 2018

DATE OF TEST: 24 Sep 2018 to 29 Sep 2018

Test Report No. 7191192818-MEC18-01-DL
dated 8 Oct 2018

SUBJECT: Endurance test (50,000 cycles) and operation load test of 14 inch stainless steel friction stay affixed to aluminium casement window system.

TESTED FOR: Guangdong Kin Long Hardware Products Co., Ltd.
No. 3 Jian Lang Road, Daping, Tangxia Town, Dongguan City, 523722 Guangdong
Attn: Ms. Lam Ki Teng

TEST METHOD: SS 212 : 2007 Specification for aluminium alloy windows. Clause 10.2.2.1.1 & 10.2.2.1.2 - Ease of fastener operation. Clause 10.2.2.2 - Ease of movement of sash. Clause 10.2.2.3.2 - Release of jammed sash. Clause 10.2.2.4 - Release of jammed hinge. Clause 10.2.2.5 - Strength of maximum opening stops. Clause 10.2.2.6.1 - Resistance to accidental loading. Clause 10.2.2.7 - Endurance of fastener hardware.

DESCRIPTION OF SAMPLE: One aluminium casement window system consisting of one casement was installed onto the test rig for endurance test and operation load test.

Overall size: 600 mm (width) X 1400 mm (height)
Size of casement sash: 563 mm (width) X 1363 mm (height)
Weight of casement sash: 10 kg
Maximum opening of window: 90 degree
Length of handle: 120 mm
Brand / Model of 14 inch friction stay: KIN LONG / HC400A-14

DRAWING SUBMITTED: 1 sheet of friction stay drawing
1 sheet of window drawing

DATE OF SAMPLE RECEIVED: 05 Jun 2018

DATE OF TEST: 6 Sep 2018 to 18 Sep 2018 - endurance test
9 Oct 2018 - operation load test

Test Report No. 7191192819-MEC18-01-DL
dated 8 Oct 2018

SUBJECT: Endurance test (50,000 cycles) and operation load test of 16 inch stainless steel friction stay affixed to aluminium top hung window system.

TESTED FOR: Guangdong Kin Long Hardware Products Co., Ltd.
No. 3 Jian Lang Road, Daping, Tangxia Town, Dongguan City, 523722 Guangdong
Attn: Ms. Lam Ki Teng

TEST METHOD: SS 212 : 2007 Specification for aluminium alloy windows. Clause 10.2.2.1.1 & 10.2.2.1.2 - Ease of fastener operation. Clause 10.2.2.2 - Ease of movement of sash. Clause 10.2.2.3.2 - Release of jammed sash. Clause 10.2.2.4 - Release of jammed hinge. Clause 10.2.2.5 - Strength of restricted opening stops. Adapted from SS 212 : 2007 Specification for aluminium alloy windows. Clause 10.2.2.7 - Endurance of fastener hardware.

DESCRIPTION OF SAMPLE: One aluminium top hung window system consisting of one top hung was installed onto the test rig for endurance test and operation load test.

Overall size: 800 mm (width) X 1200 mm (height)
Size of top hung sash: 800 mm (width) X 1200 mm (height)
Weight of top hung sash: 15 kg
Restricted opening of window: 30 degree
Length of handle: 120 mm
Brand / Model of 16 inch friction stay: KIN LONG / FJ600A-16

DRAWING SUBMITTED: 1 sheet of friction stay drawing
1 sheet of window drawing

DATE OF SAMPLE RECEIVED: 05 Jun 2018

DATE OF TEST: 11 Sep 2018 to 22 Sep 2018 - endurance test
8 Oct 2018 - operation load test

TEST REPORT

NAME OF SAMPLE: EPDM gaskets for doors, windows

CLIENT: NINGBO NEWANTON SEAL HEAT INSULATING SYSTEM CO.,LTD.

CLASSIFICATION OF TEST: Commission

The Quality Supervision and Inspection Center of Synthetic Material
Ageing of Chemical Industry

Material Safety Data Sheet

Product name: Silicone Sealant

Manufacturer or Supplier: Guangdong Kin Long Hardware Products Co., Ltd.

Production and Equipment



KINLONG Laboratory



Office Building and Workshop



Showroom



Training Room



Automatic Operation with Manual Inspection

Production and Equipment



400T Punch Press



Automatic Assemble Machine of Roller



Automatic Assemble Machine of Handle



Automatic Polishing System



Injection Molding Machine

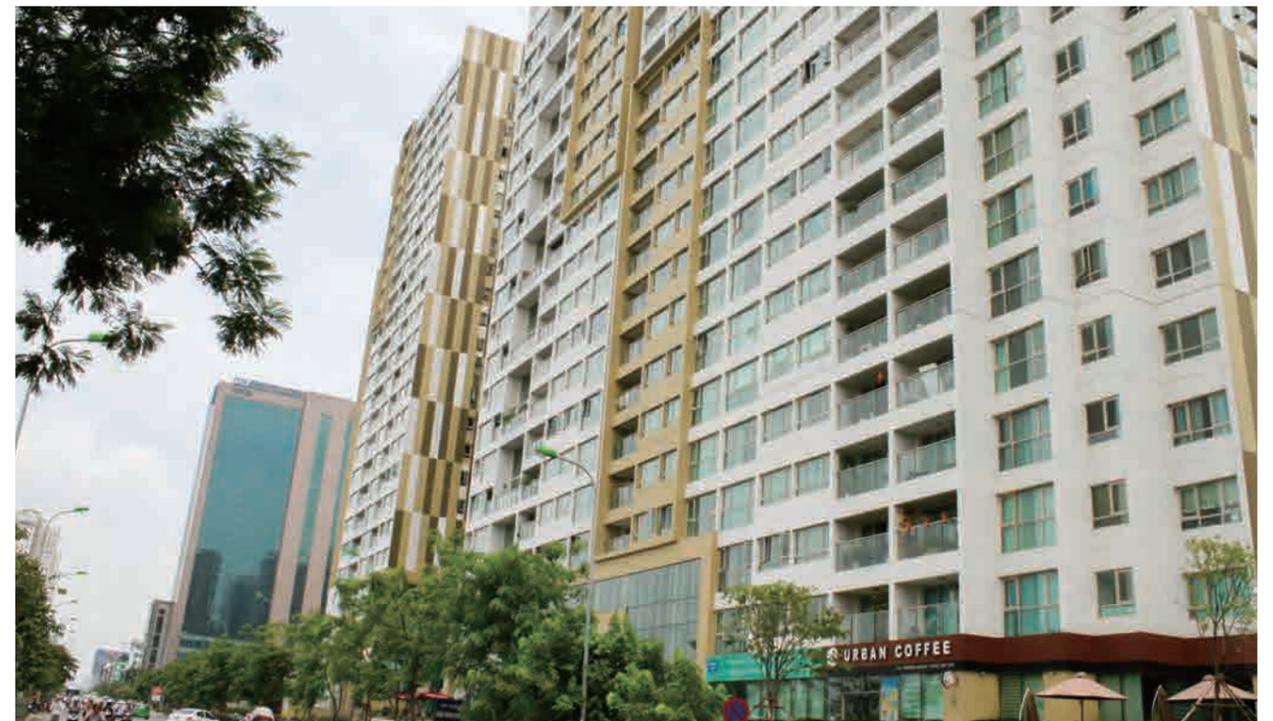


Central Furnace System of Alu Alloy and Zinc Alloy

Office Building



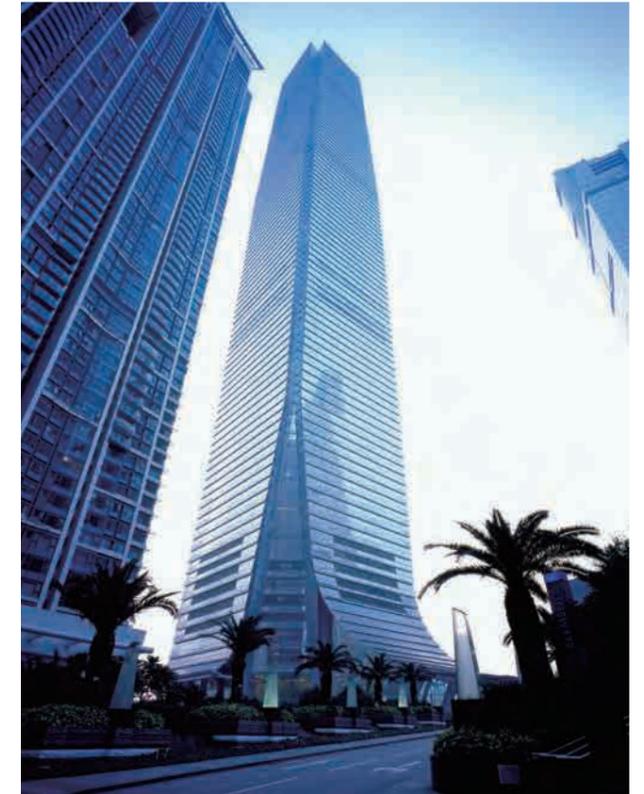
Apartment, Villa



Airport, Hospital



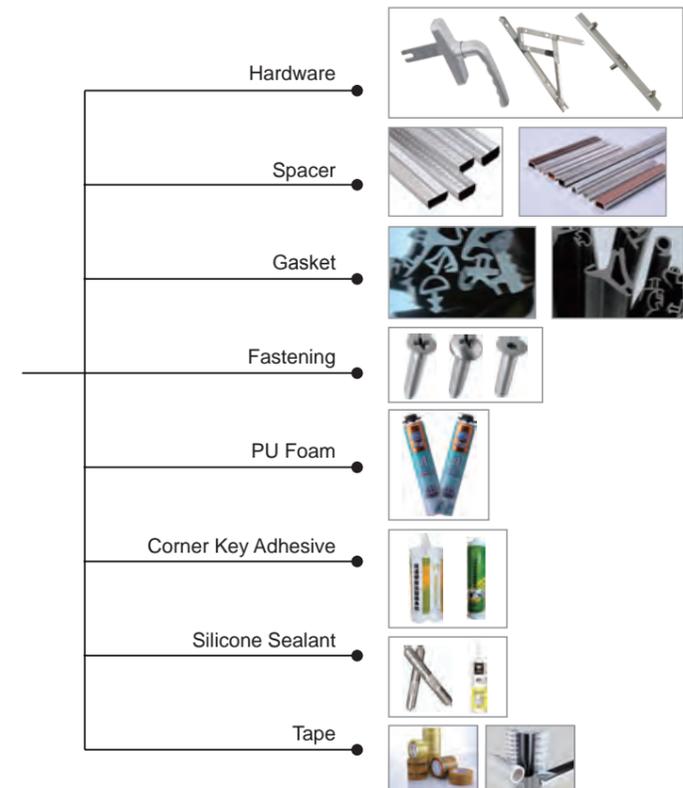
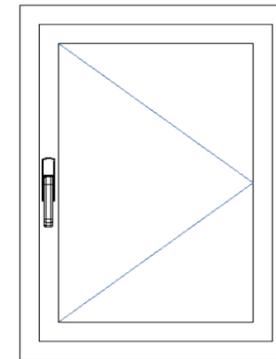
Complex



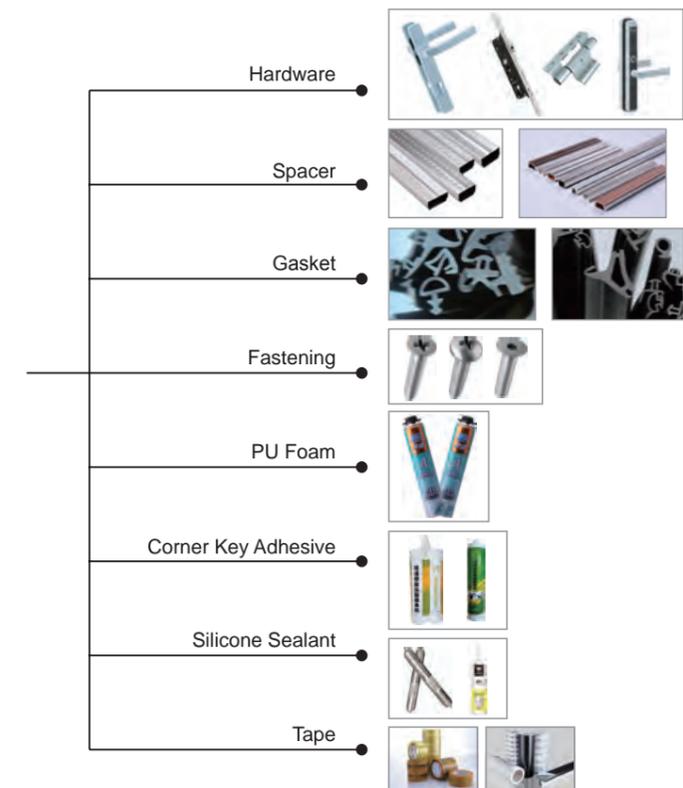
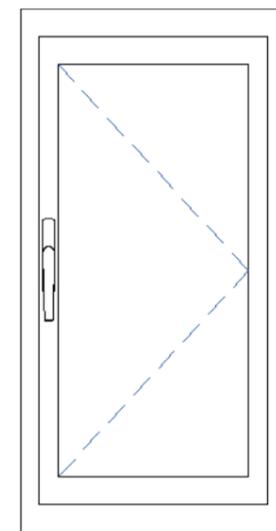


LEADING THE MARKET BY INTEGRATE SUPPLY AND SYSTEMATIC SOLUTION

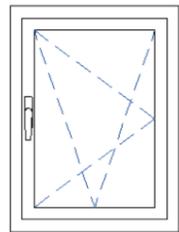
Open-out window



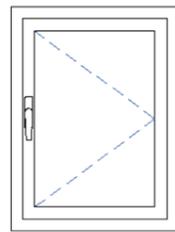
Open-in door



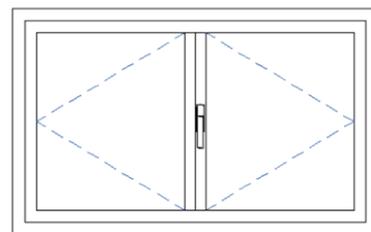
Available Window And Door System



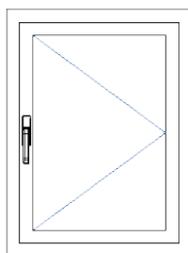
Turn-and-tilt window
tilt-and-turn window



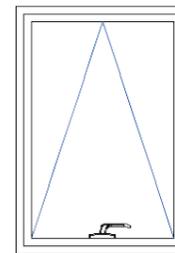
Open-in window
open-in door



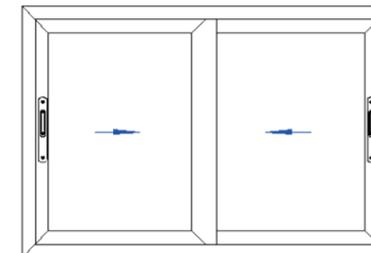
Double Leaf Window With False Mullion
Double Leaf Door With False Mullion



Open-out window
Open-out door



Top-hung Window

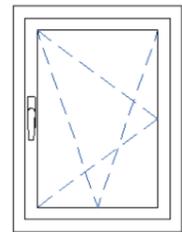


Sliding Window
Sliding Door

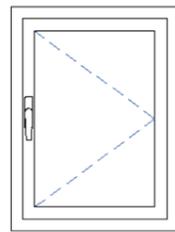


**COMPLETE PRODUCT STRUCTURE, GOOD QUALITY,
QUICK AND ACCURATE ABILITY TO HAND OVER**

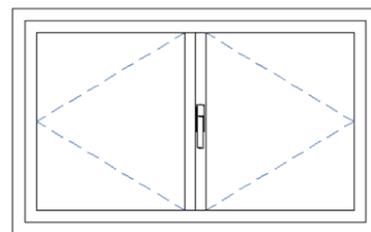
Available Window And Door System



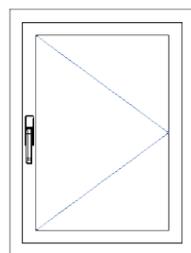
Turn-and-tilt window
tilt-and-turn window



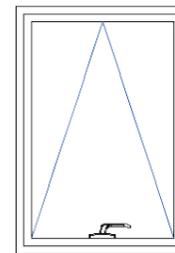
Open-in window
open-in door



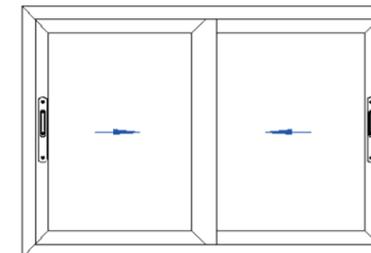
Double Leaf Window With False Mullion
Double Leaf Door With False Mullion



Open-out window
Open-out door

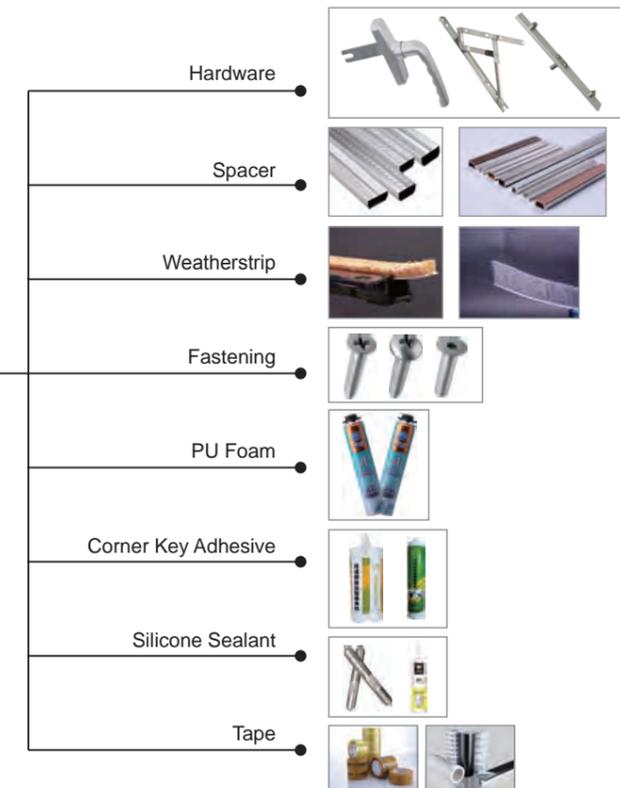
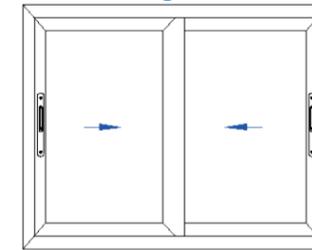


Top-hung Window

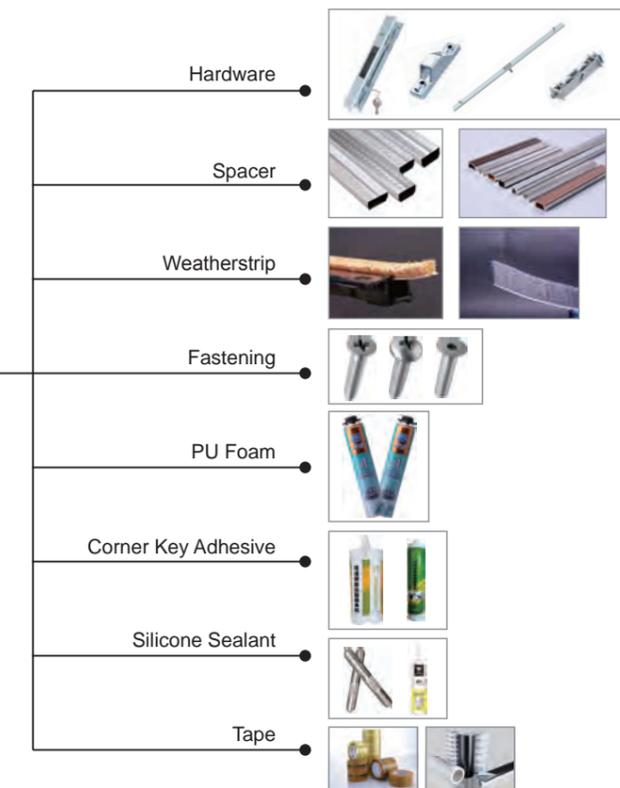
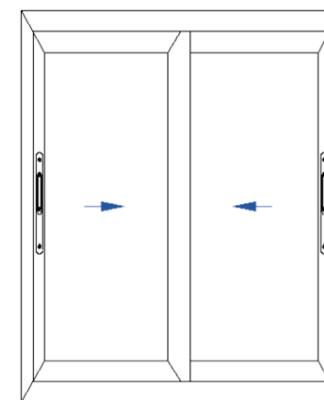


Sliding Window Sliding Door

Sliding window



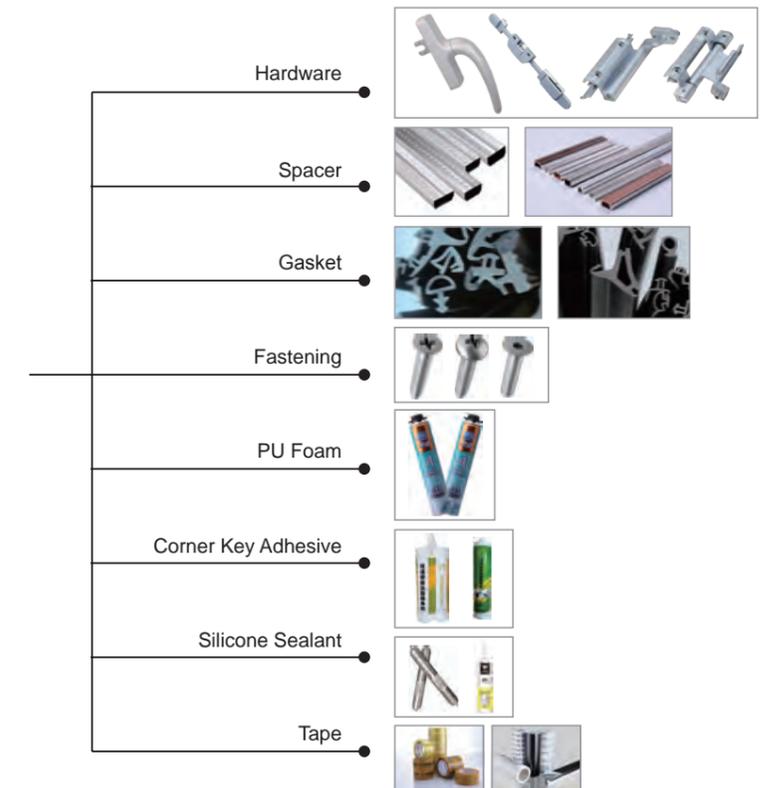
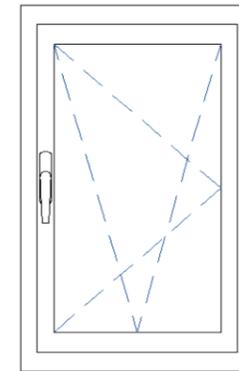
Sliding door



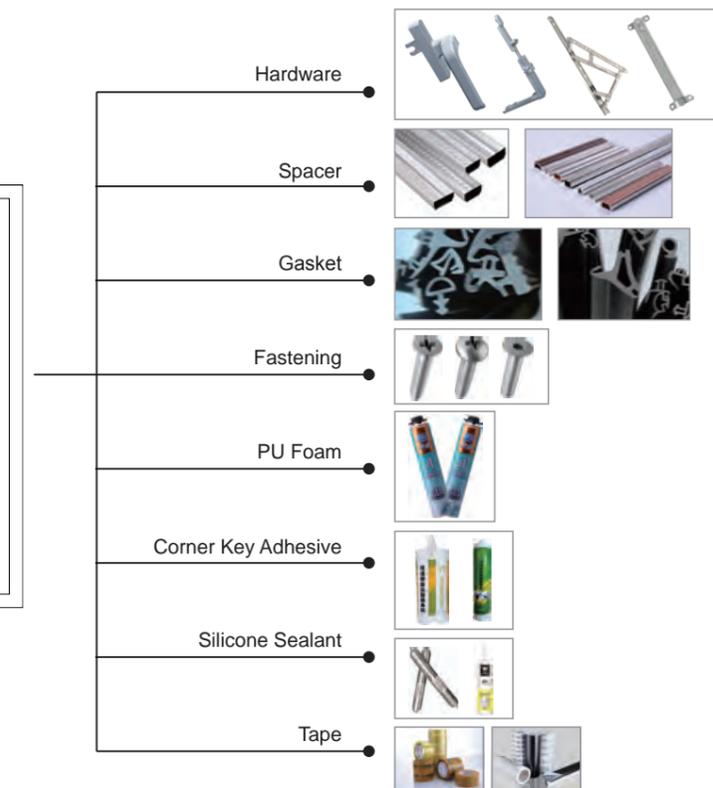
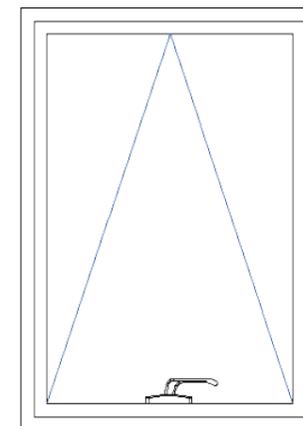
GUARANTEE IN INTEGRATE SUPPLY, SUPPORTING SERVICES AND ONE-STOP SOLUTION



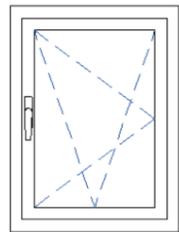
Turn-and-tilt window



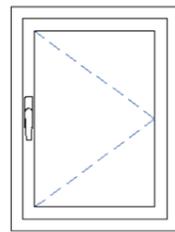
Top-hung window



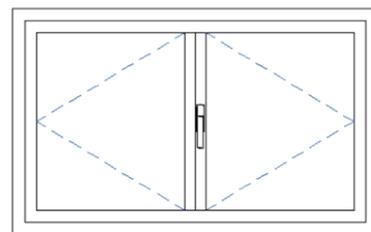
Available Window And Door System



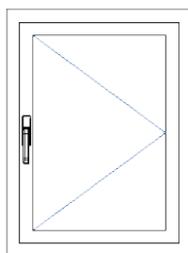
Turn-and-tilt window
tilt-and-turn window



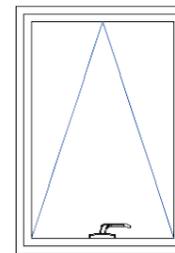
Open-in window
open-in door



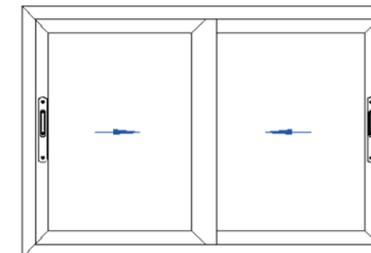
Double Leaf Window With False Mullion
Double Leaf Door With False Mullion



Open-out window
Open-out door

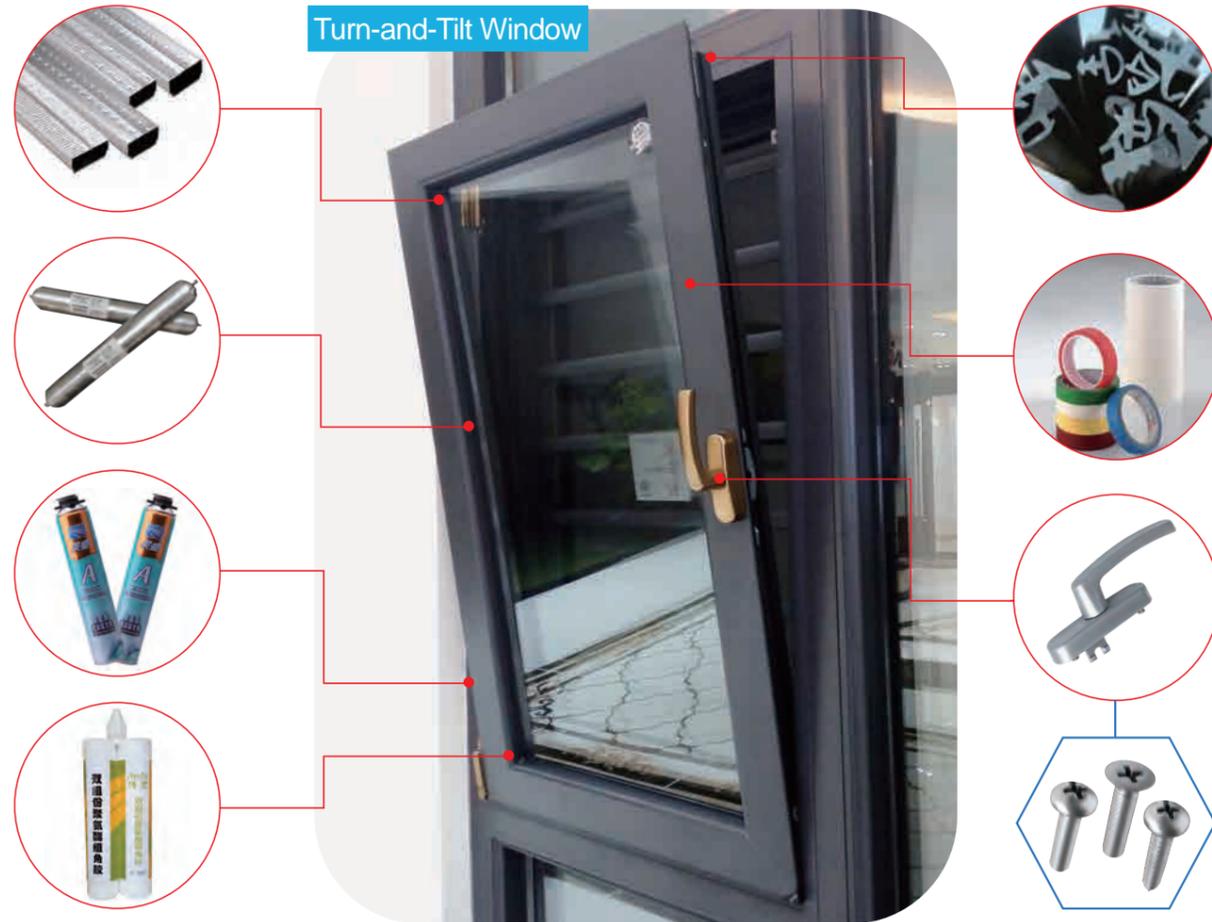


Top-hung Window



Sliding Window
Sliding Door

INTEGRATE SUPPLY EXPERT



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LEADING THE MARKET BY INTEGRATE SUPPLY AND SYSTEMATIC SOLUTION

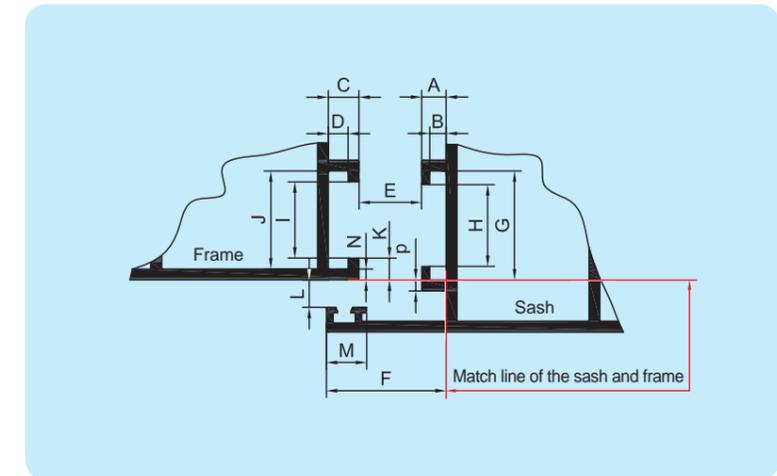
Complete product structure
Guarantee the integrated supply, supporting services and one-stop solution



- Satisfactory Procurement
- Satisfactory Management
- Satisfactory Service

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, spay coating etc.)

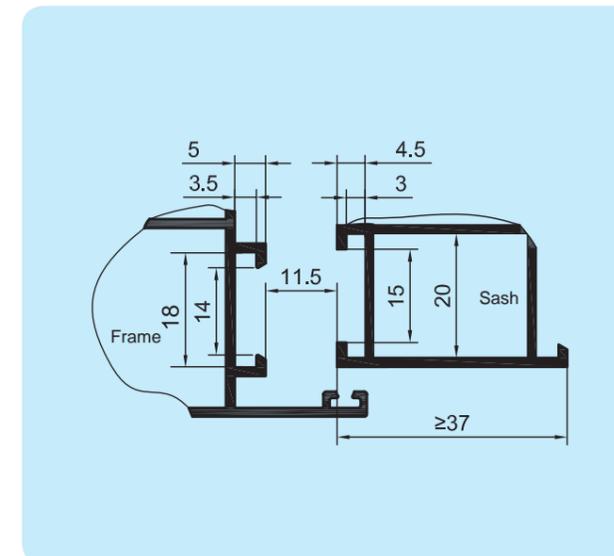


◆ Note

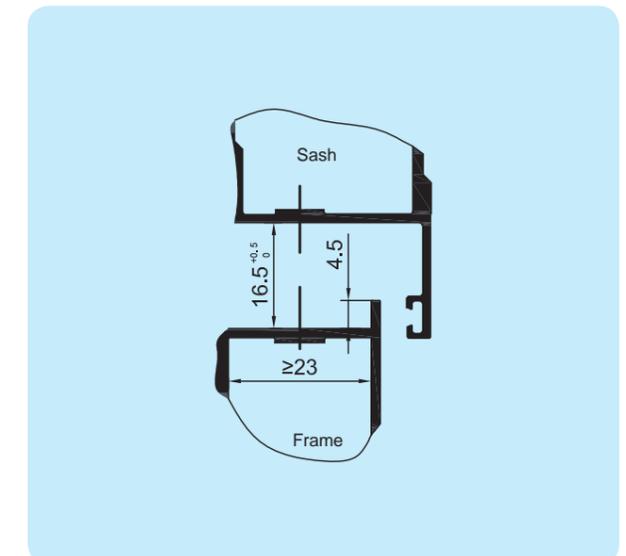
A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
4.5	3	5	3	11.5	22	20 ^{+0.3} _{-0.1}	15 ^{+0.3} _{-0.1}	14 ^{+0.3} _{-0.1}	18 ^{+0.3} _{-0.1}	4	5	7.5	2	2

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

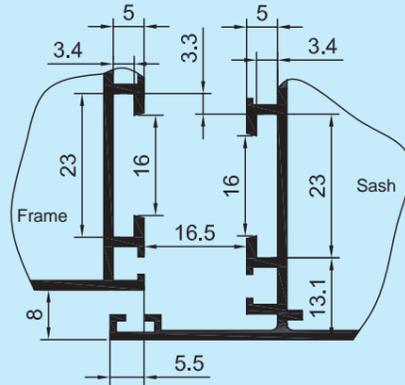


Aluminum Door and Window Hardware

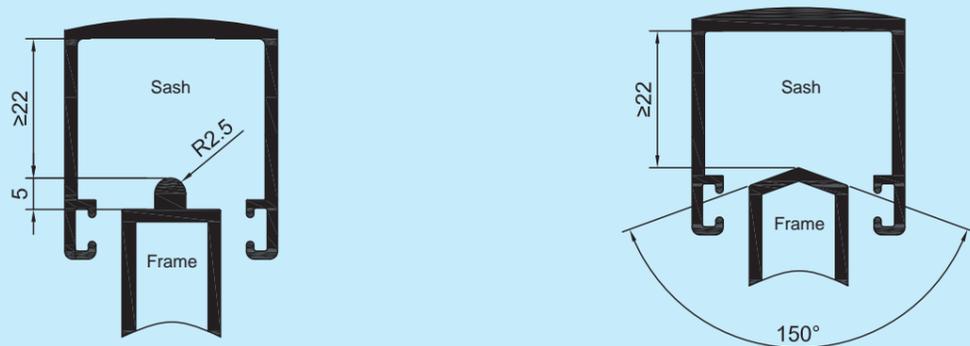


Designing requirements for notch of profile to match with hardware

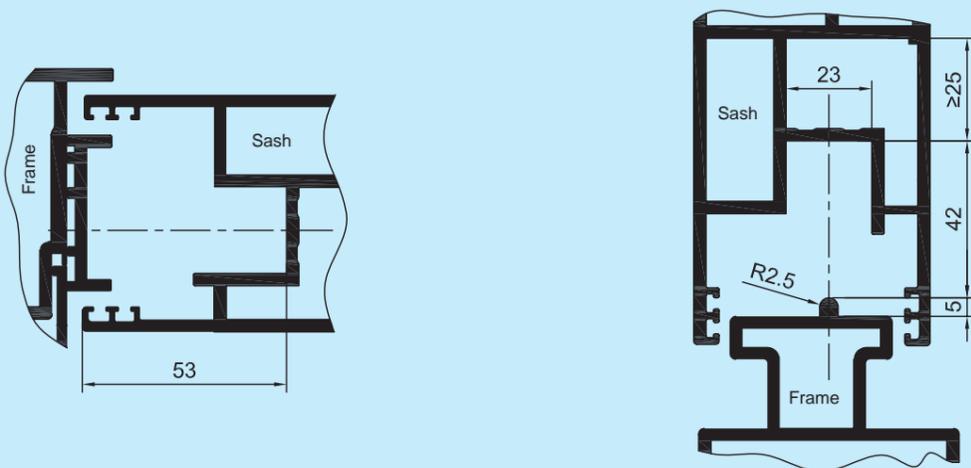
3. Standard 23C Groove window profile



4. Standard sliding window&door profile

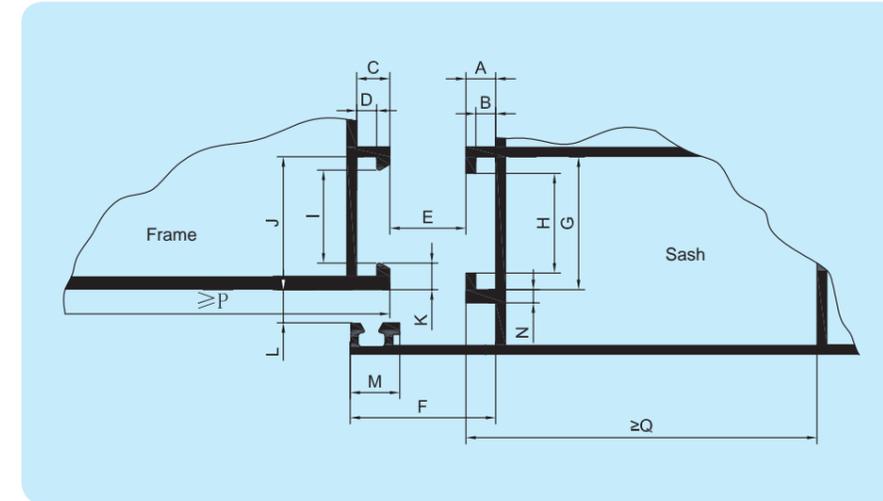


5. Standard lift-sliding door profile



Designing requirements for notch of profile to match with hardware

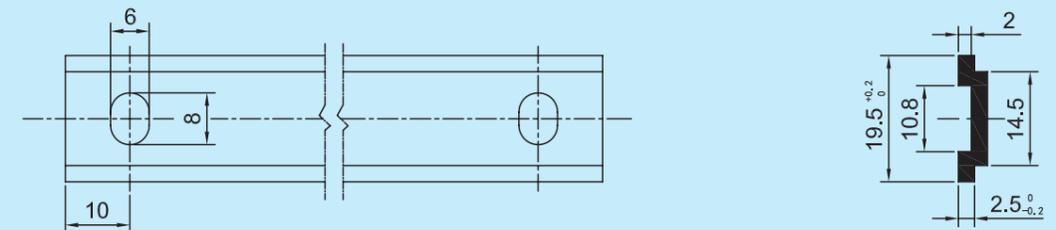
6. Standard 20C Groove window profile for side hung door



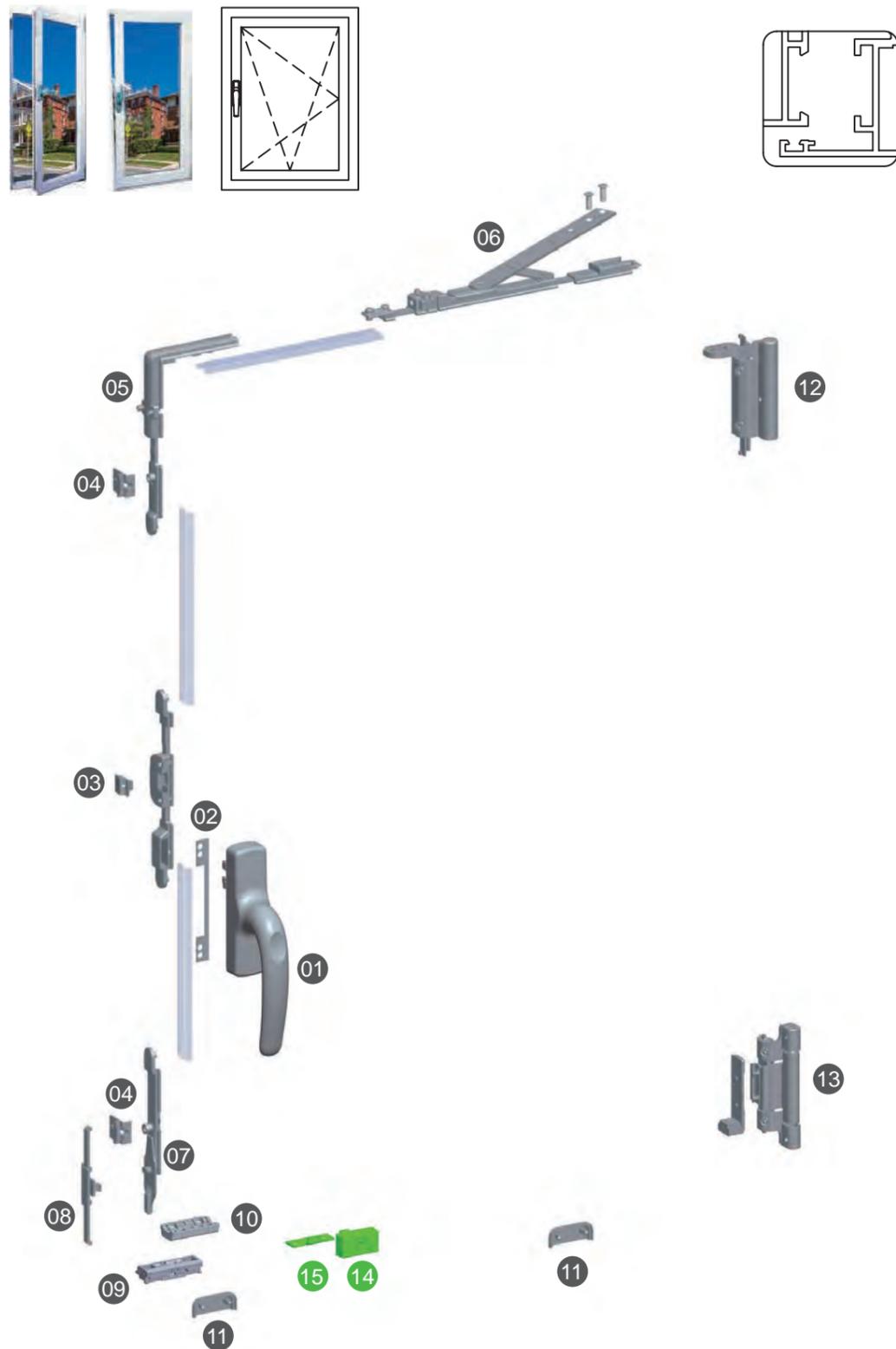
◆ Note

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	Locking 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	NDHB10A	1	
14	Safety Device	AQS10	1	⑤
15	Locking Plate	SK29	1	

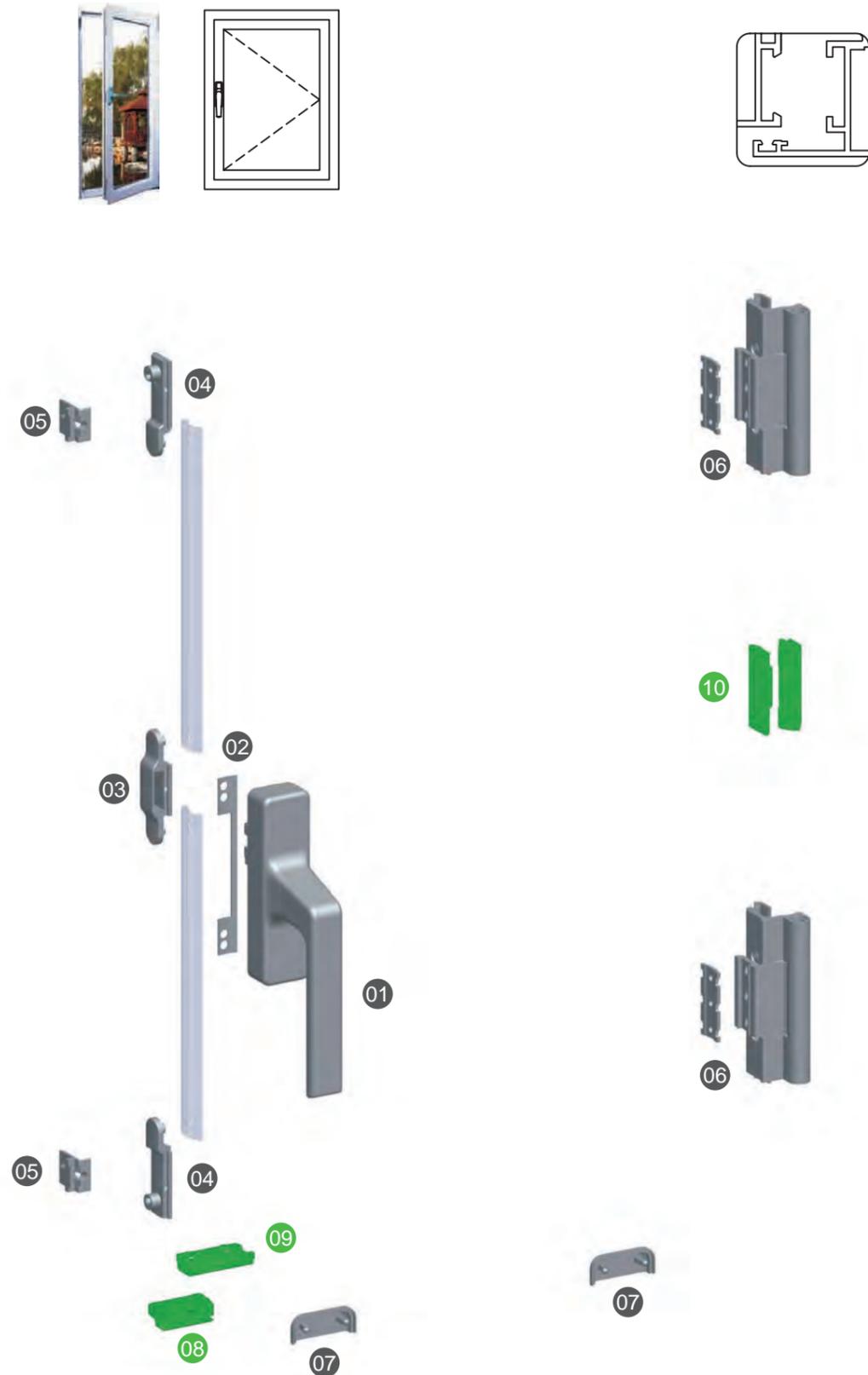
Optional handles for reference:

Handle CZS20	Handle CZS28	Handle CZS30S	Handle CZS66
			

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 LG12.
- 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

1-2 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	N4B	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 CZS66	Handle CZS219A

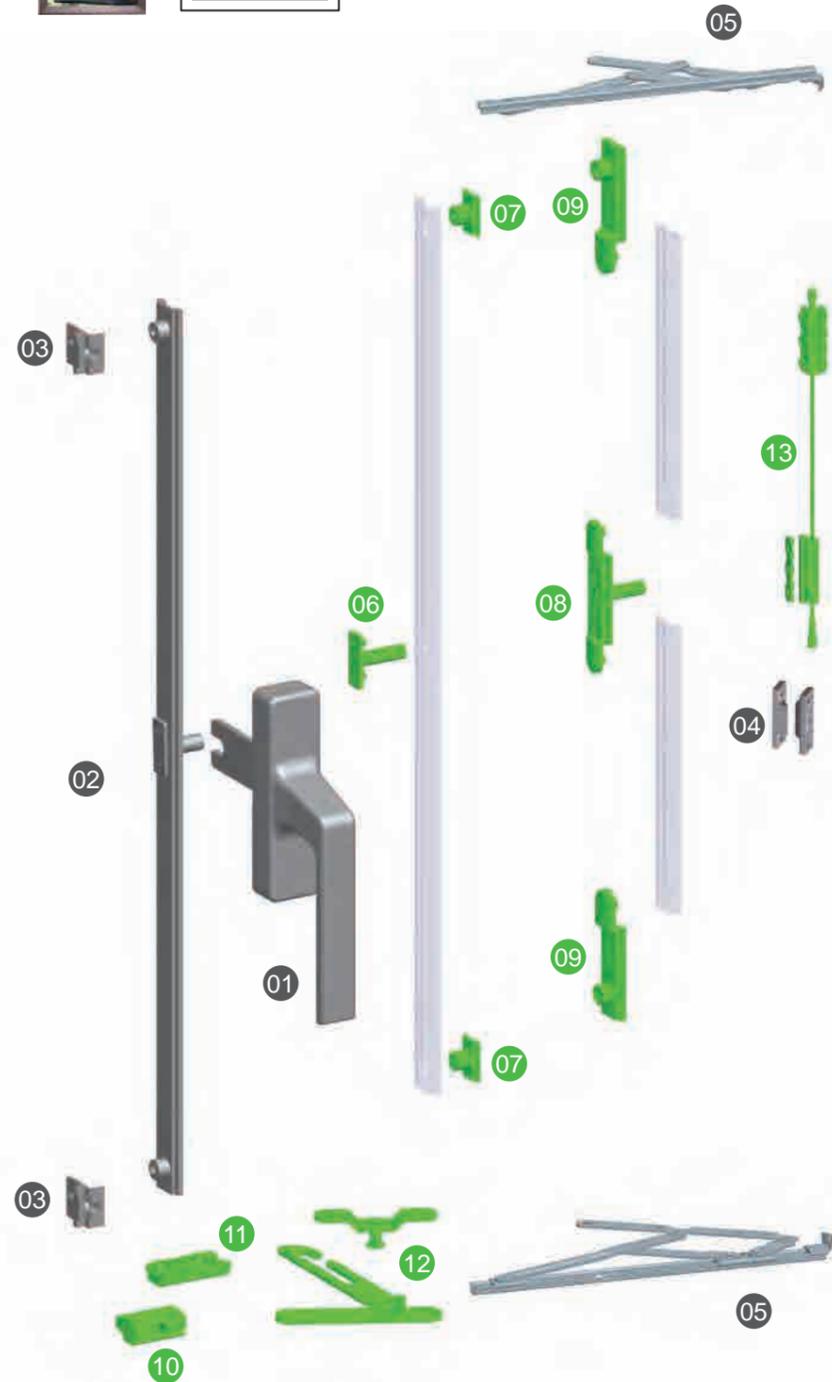
Optional hinges for reference

Hinge N2C	Hinge J3	Hinge BHY20/I	Hinge LBHY22

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.

1-3 WK100 Series Open-out Side Hung Window with C-groove



Hardware Configuration for WK100 Series

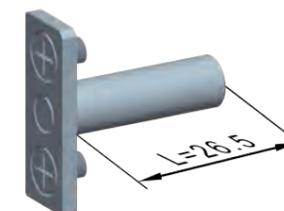
Number	Product Name	Code	Quantity	Remark
01	Handle (Left&Right)	CZS320	1	Optional ①
02	Alu. Transmission Rod	LZDC02	1	The length depends on window dimension
03	Locking Plate	ZA1-6A	2	
04	Middle Locking Plate	LSK76	1	
05	Friction Stay	HCC40	2	Product of Friction Stay&Peg stay Division
06	Linking Rod	ZCD-08	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



Configuration Instruction:

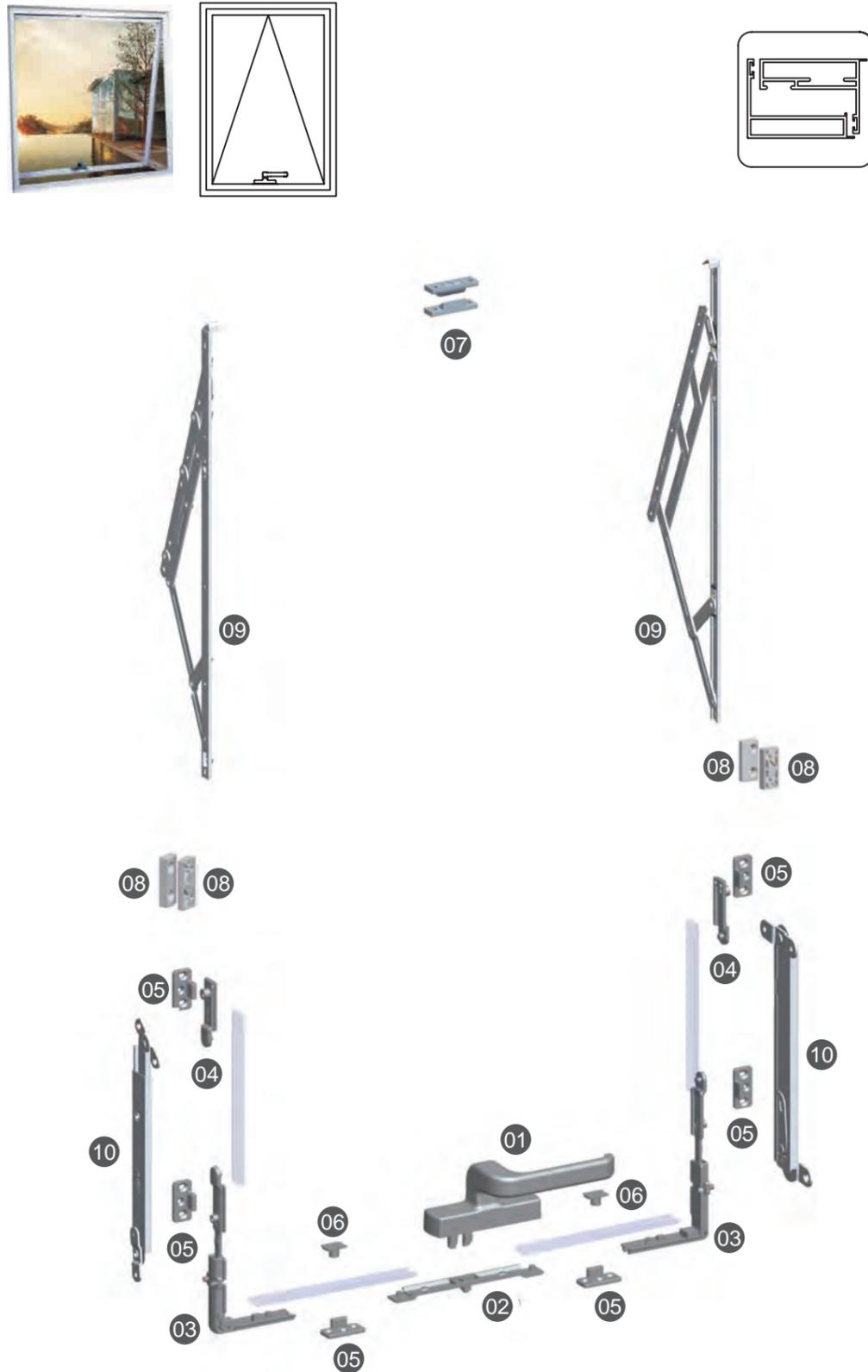
- ① Customers can select preferable handles taking reference to handle series
- ② Items in green are optional and the safety locking hook can increase the safety of open-out window, especially in public area and rooms for the elder and children
- ③ Safety Disengagement Preventer is suggested for high-rise 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.

1-4 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	LSK76	1	
08	Anti-Drop Piece	1630FJS-16	4	
09	Friction Stay (Left&Right)	HC680	2	Product of Friction Stay&Peg stay Division The size depends on window dimension ②
10	Pegstay (Left&Right)	SC320	2	Product of Friction Stay&Peg stay Division The size depends on window dimension ③

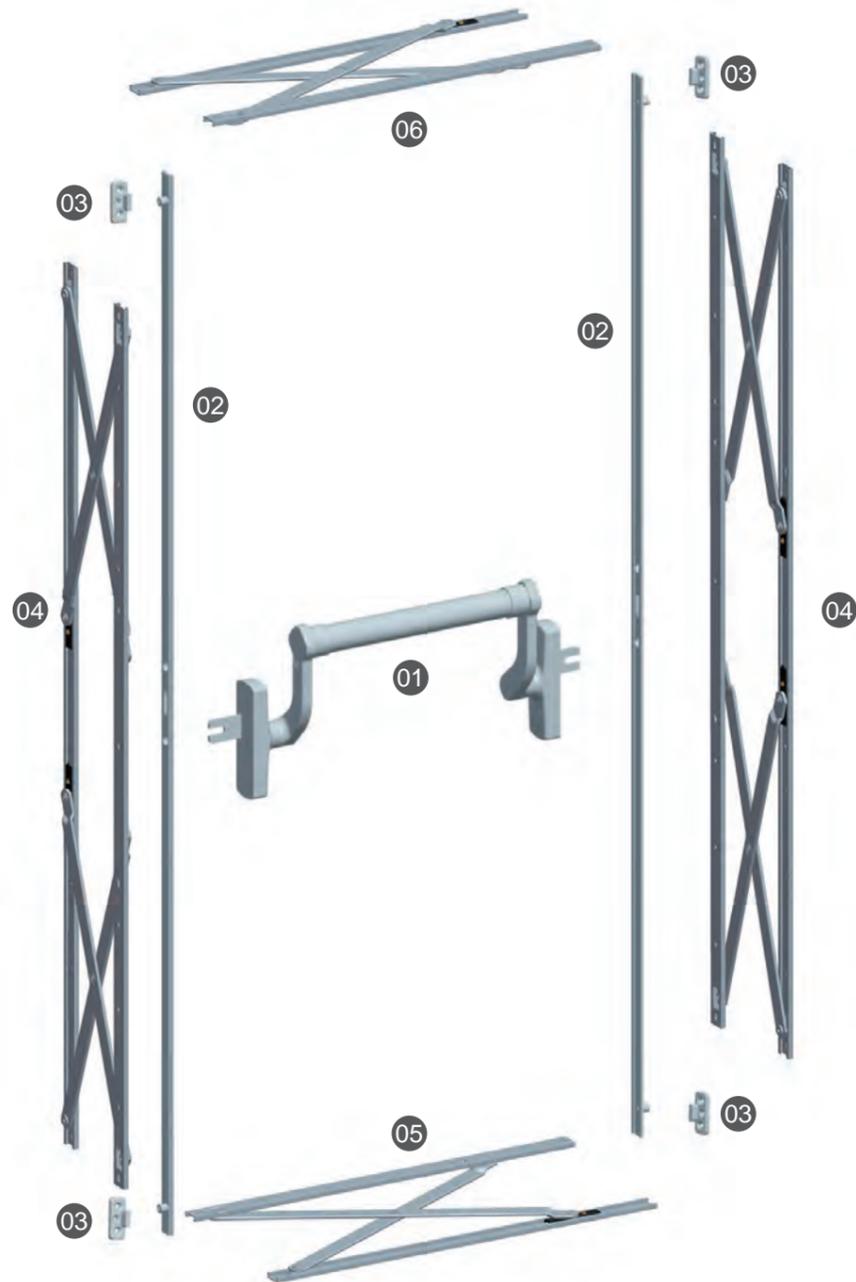
Optional Handles and Friction stays for reference



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.

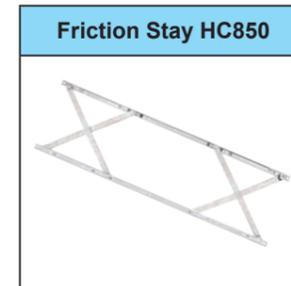
1-5 MQ400 Series Curtain Wall Parallel Opening Window



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

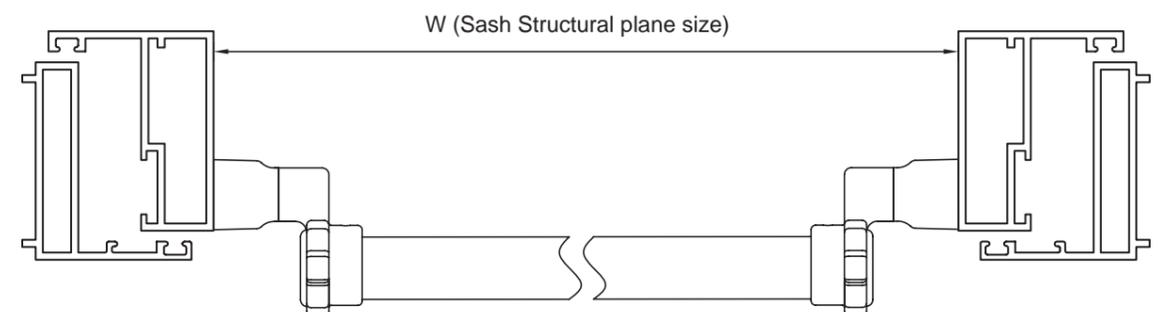
Optional Friction Stay for reference



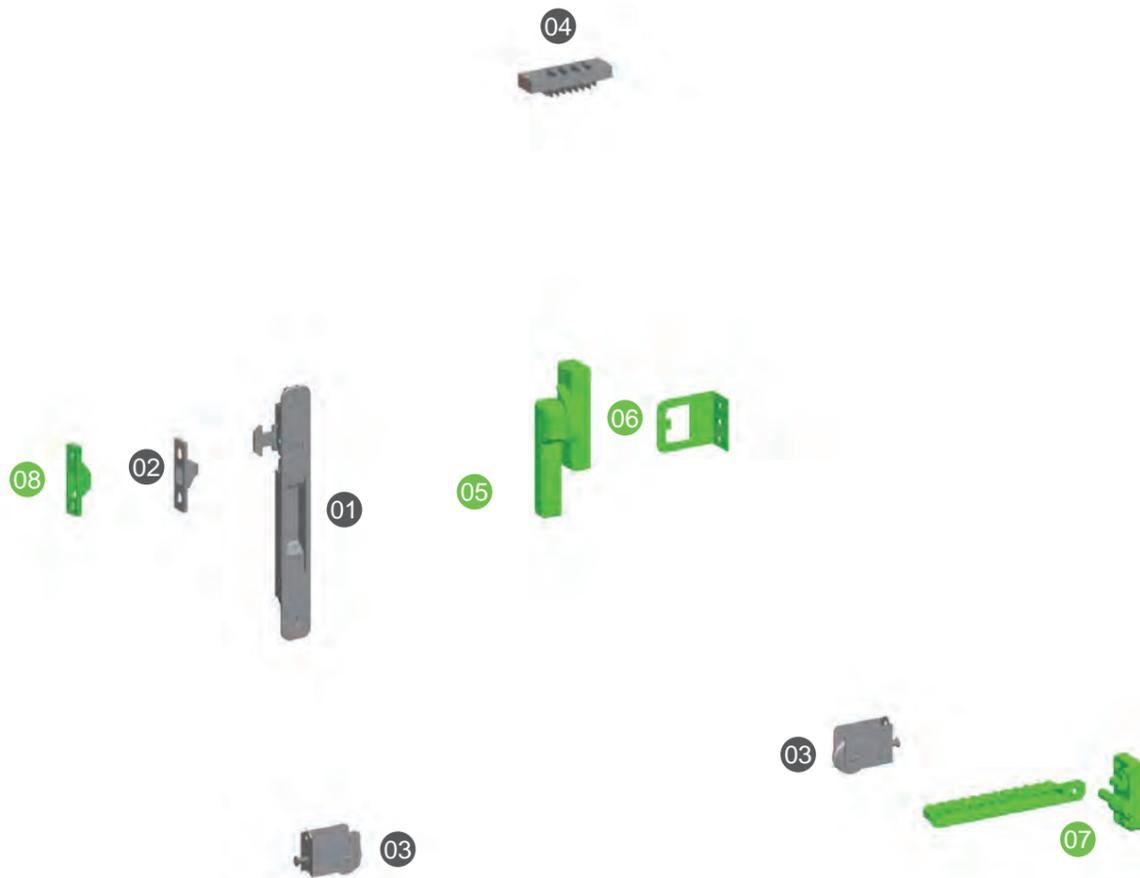
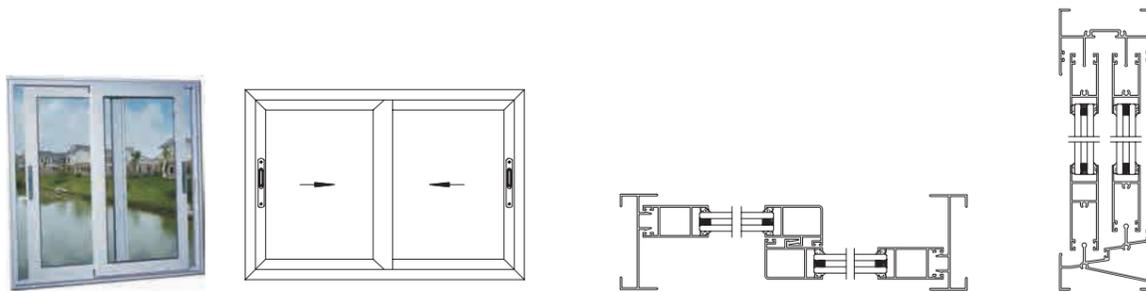
Configuration Instruction

- ★ 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 widow opening height is 1600 and normal widow width is within 800mm

Sketch



1-6 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 Locking Plate	TFK01	2	Match sliding lock only
09	Weatherstrip	PB/SP/FN/QF/GN/X	15-20(m)	Weatherstrip product, optional

Optional sliding locks for reference

Sliding Lock TLS10/TLS10K	Sliding Lock TLS19/TLS19K	Sliding Lock SDS10/II/ 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

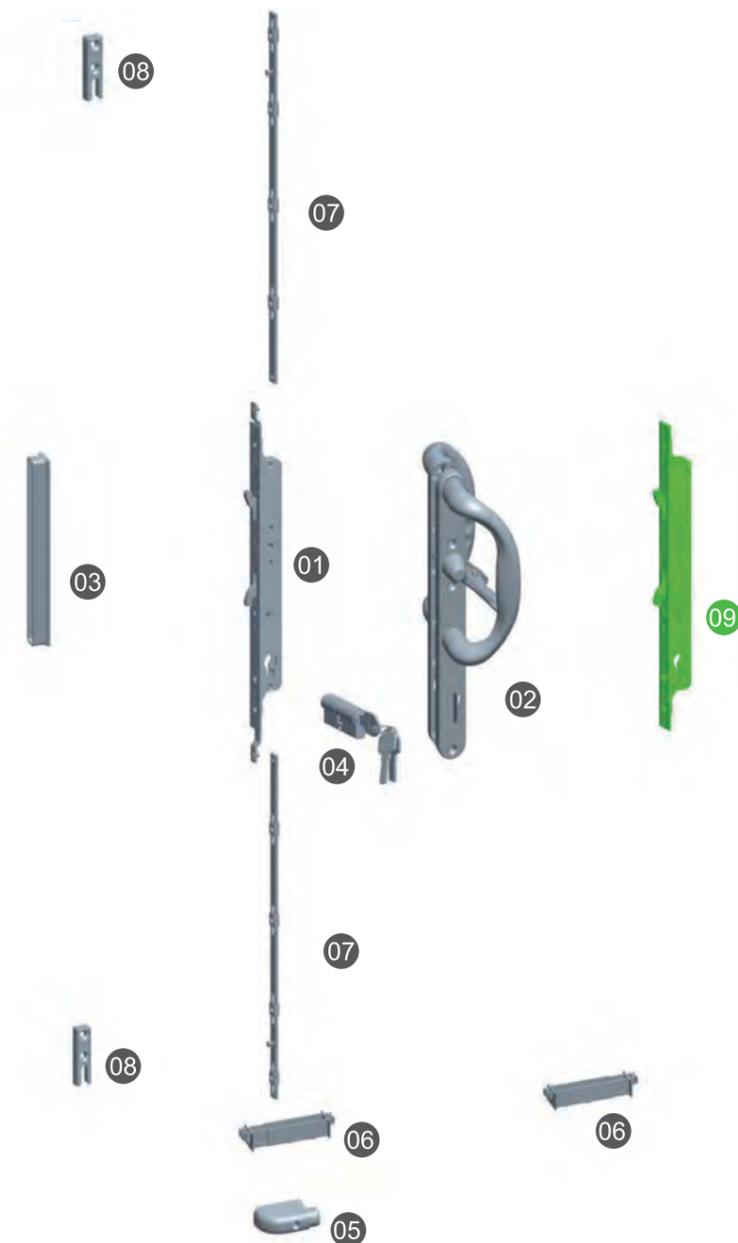
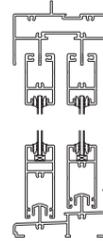
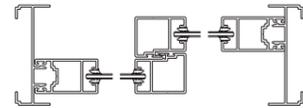
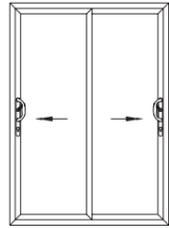
Optional Rollers for reference

Roller CL11	Roller CL15	Roller CLG20	Roller CL60G32.5K19

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
- ② Five types in code are optional, refer product performance introduction

1-7 TLM120 Series Of Sliding Door



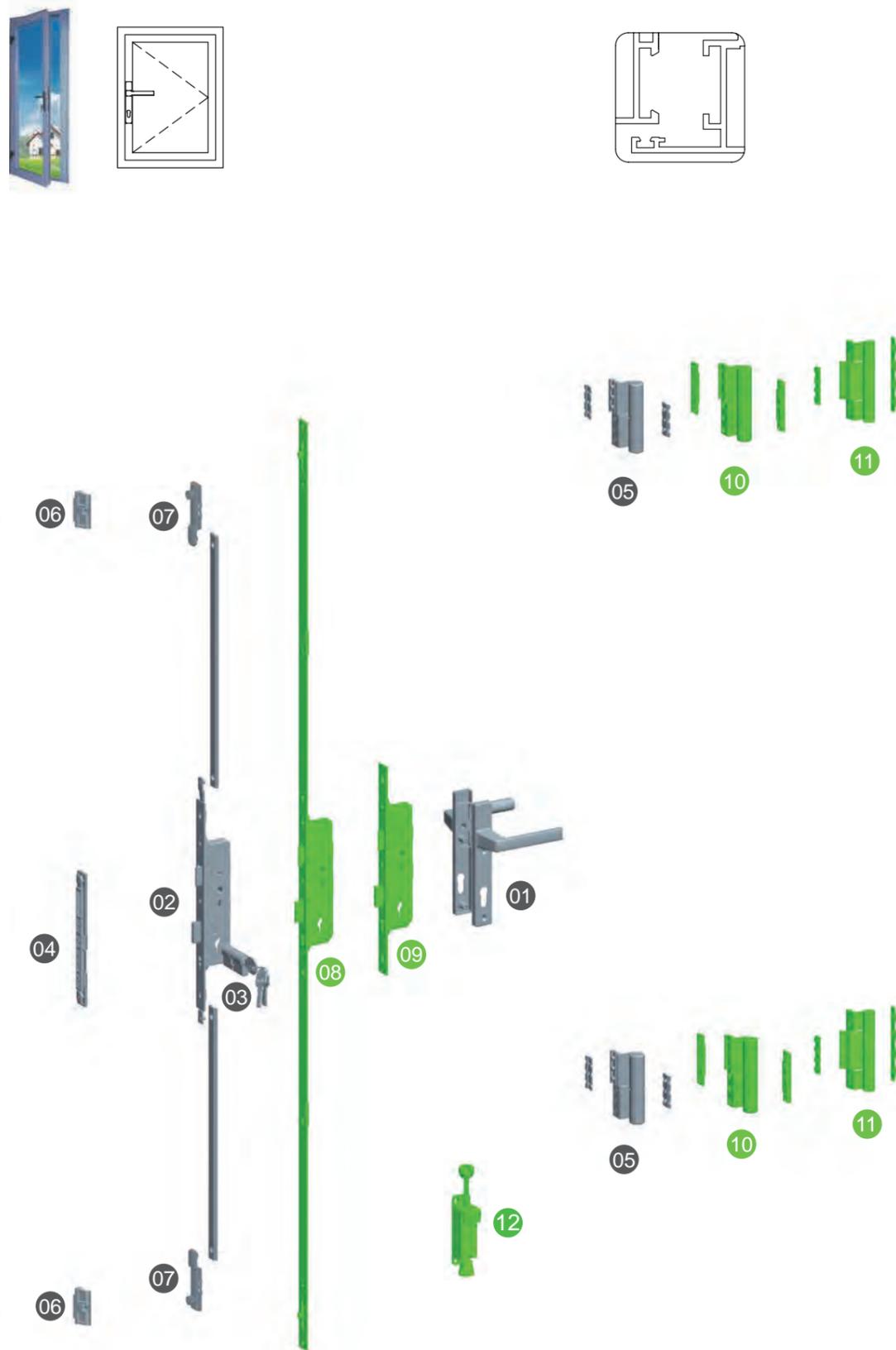
Hardware Configuration For TLM120 Series

Number	Product Name	Code	Quantity	Remark
01	Double Hook Lock	T-SGS14/I	2	
02	Handle	T-MLS03	2	Left&Right, item in picture is right
03	Cover Plate	T-KMB201	2	
04	Cylinder	TIL2828	2	Optional ①
05	Anti-strike Block	T-FK-D	1	
06	Double Roller	ML19	4	Roller product, optional ②
07	Transmission Rod	TYG05-L	4	Optional, depend on door type ③
08	Locking Plate	U03C	4	Optional
09	Double Hook Lock	T-SGS14/II	2	Optional ③
10	Anti-strike Block	FK-C	4	Optional
11	Upper End	T-DG-13	4	Optional
12	Bottom End	T-DG-15	4	Optional
13	Weatherstrip	PB/SP/FN/QF/GN/X	15-20(m)	Weatherstrip product, optional ④

Configuration Introduction

- ① Cylinder refer TIL2828 cylinder series in Alu. catalogue on page of 222 《Aluminium Door & Window Hardware Typical Product Catalogue》
- ② The maximum load bearing capacity of roller is 110kg/sash
- ③ Hardware items in green are optional, belong to the single lock point configuration
- ★ Applicable for 2001 series sliding door profile
- ★ The multi-lock points design makes the lock situation of sliding door much better,improving the anti-theft performance
- ★ Handle square steel length=sash thickness+(17~22),screw length(M5)=sash thickness+15
- ④ Five types in code are optional, refer product performance introduction

1-8 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
12	Door Positioner	T-DM01	1	Optional

Optional handles for reference

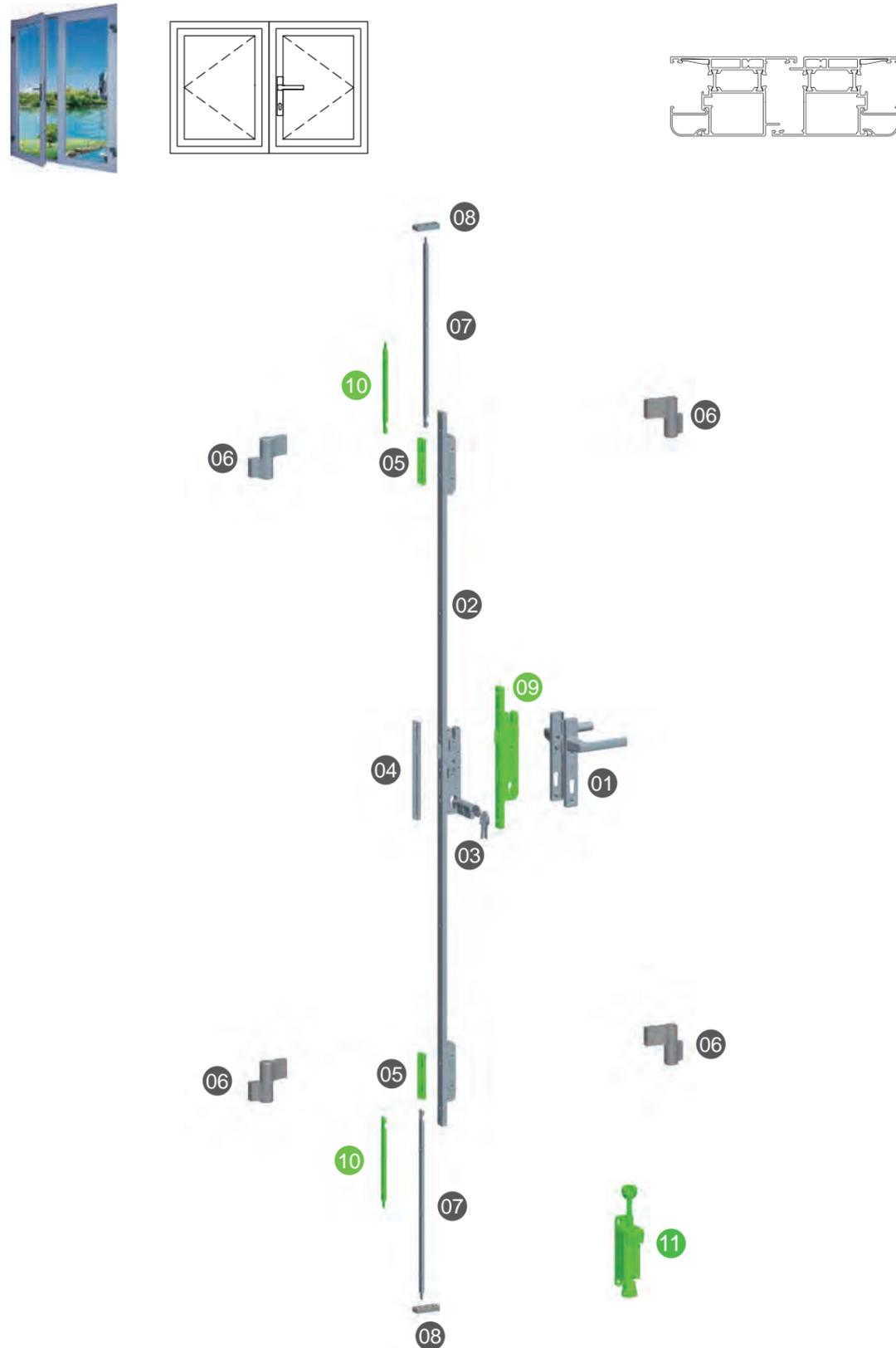


Configuration Introduction

- ① Customers can select other handles referring to page 232 《Aluminium Door & Window Hardware Typical Product Catalogue》 Spindle Length=Sash Thickness σ +(33-40), Screw length (M5) L= Sash thickness σ +15
- ② Cylinder refer to cylinder series on page of 223 《2020Aluminium Door & Window Hardware Typical Product Catalogue》
- ③ The load bearing capacity of the pivot hinge refers to page 252 《2020Aluminium Door & Window Hardware Typical Product Catalogue》
- ★ Items in green are optional

1-9 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	SK30A	2	
09	Door Lock	MSA19/II	1	Optional
10	Socket	SCX220A	2	Optional ④
11	Door Positioner	T-DM01	1	Optional

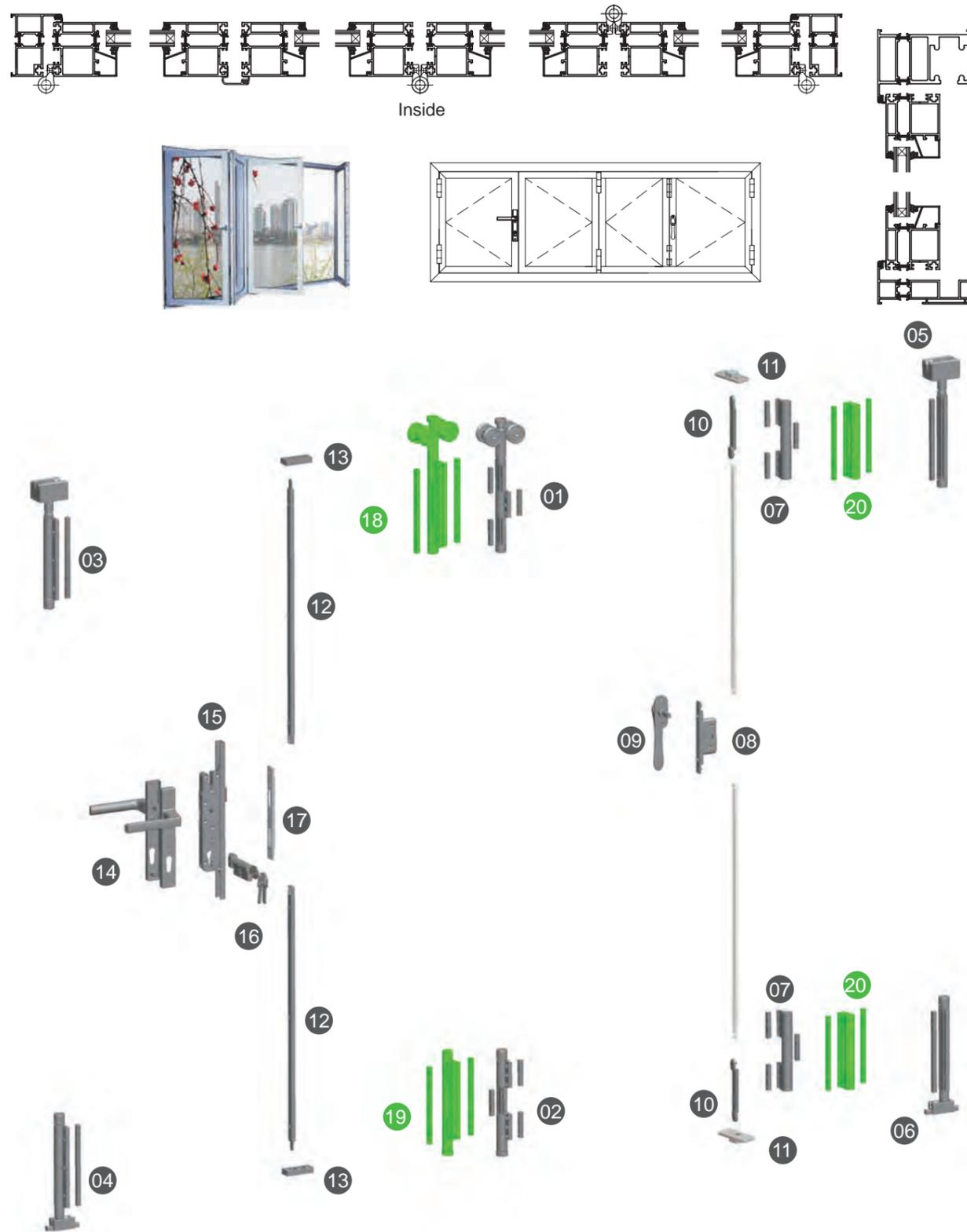
Optional Handles for Reference:

Handle MZS08	Handle MZS22	Handle MZS620	Handle MZS818	Handle MZS820

Configuration Introduction

- ① Customers can select the handle according to this catalogue page 232 《Aluminium Door & Window Hardware Typical Product Catalogue》 Spindle length L=sash thickness δ+(33~40), Screw length (M5) L=sash thickness δ+15.
- ② Cylinder refers to page 223 cylinder series 《2020Aluminium Door & Window Hardware Typical Product Catalogue》
- ③ The load bearing capacity of the pivot hinge refers to page 252 pivot hinge series 《2020Aluminium Door & Window Hardware Typical Product Catalogue》
- ★ Items in green are Optional.

1-10 FTL300 Sliding And Folding Door Series



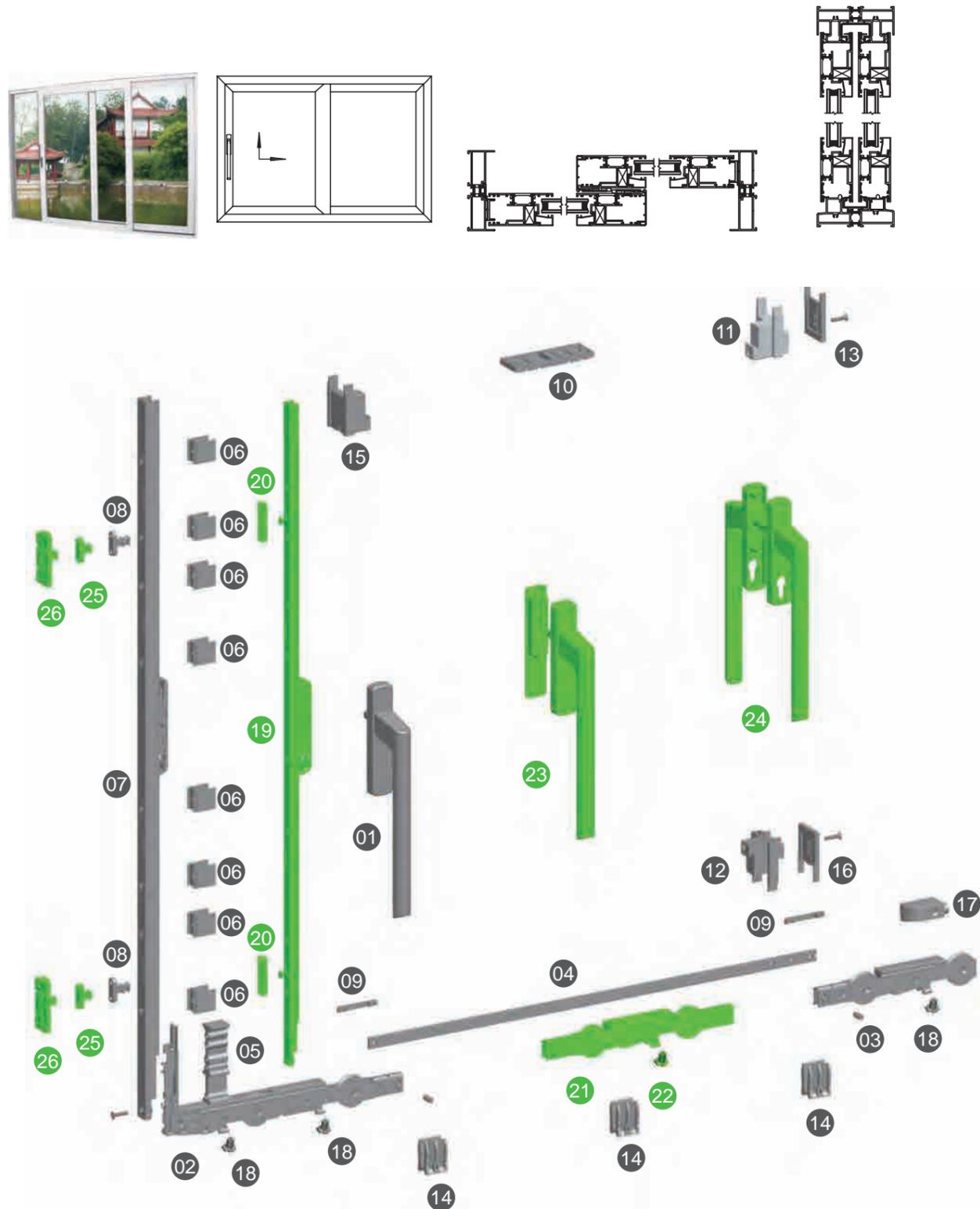
Hardware Configuration For FTL300 Series

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	Optional
17	Cover Plate	KMB210A	1	Product of Sliding Door&Window Accessory Division
18	Upper Pivot Hinge System	FTL310-01	1	
19	Bottom Pivot Hinge System	FTL310-02	1	
20	Hinge	FTL310-07	2	

Configuration Introduction

- 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

1-11 TTL300 Series Lifting And Sliding Door



Hardware Configuration Of TTL300 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	Z200	1	Optional, standard exposed length of square steel is 28mm
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-L	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 Position Block	H52-17L	1	
12	Right Position Block	H52-17R	1	
13	Upper Cover	H52-16	1	
14	Supporting Block	H52-12	3	
15	Right End	H52-18R	1	Left type sliding use H52-18L
16	Right Cover	H52-15R	1	Left type sliding use H52-15L
17	Anti-strike Block	T-FK-D	1	Product of Sliding Door&Window Hardware Division
18	Cushion Block	H50-18	3	
19	Transmitter Lock	ZTTL100-01	1	Product of Home Decoration Division
20	Locking Plate	ZTTL100-05	2	Product of Home Decoration Division
21	Middle-Roller	H51	1	
22	Cushion Block	H50-18	1	
23	Handle	Z201	1	Optional, standard exposed length of square steel is 28mm
24	Handle	Z202	1	Optional, standard exposed length of square steel is 107mm
25	Locking Plate	SK50	2	Optional
26	Locking Plate	SK52	2	Optional

Configuration Introduction

- ① 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
- ② The maximum weight for the opening sash is 300kg and this weight bearing capacity is up to roller and its quantity
- ③ This series can be used widely such as sunshine-room, balcony and partition door etc.

Optional Handle



UPVC Door And Window Hardware

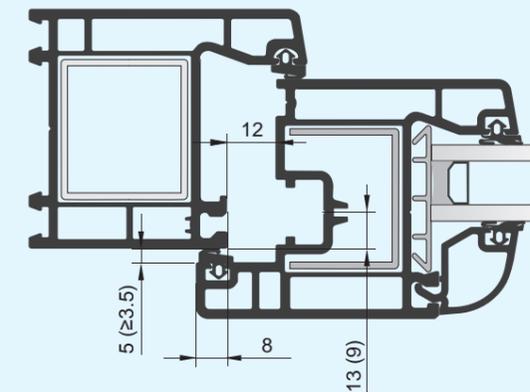


U Groove Profile Requirement for KIN LONG Door&Window Hardware

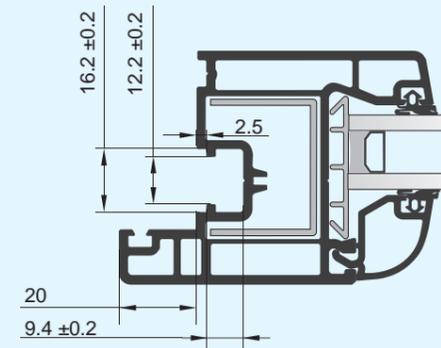
KIN LONG hardware is applicable to standard European U-groove profile of solid wood/wood-clad aluminium/aluminium-clad wood/PVC/aluminium. The specific requirements are as follows: (Remark: All specification are after surface treatment)

PVC Profile specification

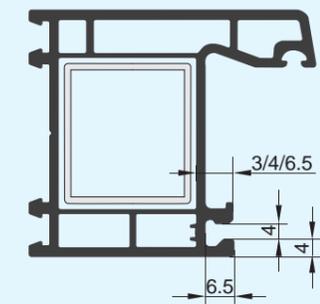
Required dimension for frame and sash



Required dimension for sash profile



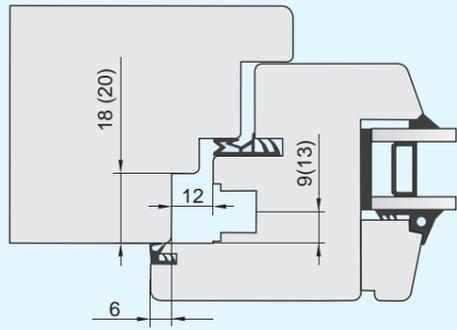
Required dimension for frame profile



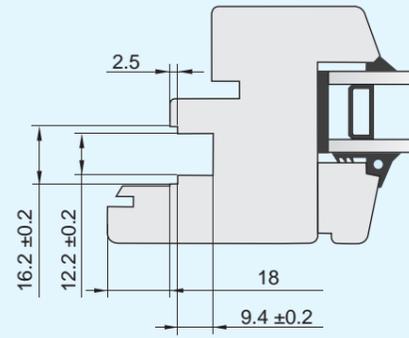
U-PVC Open-in Bottom-hung Widow Hardware Series-SCPX100

Solid Wood Profile Specification

Required dimension for sash and frame

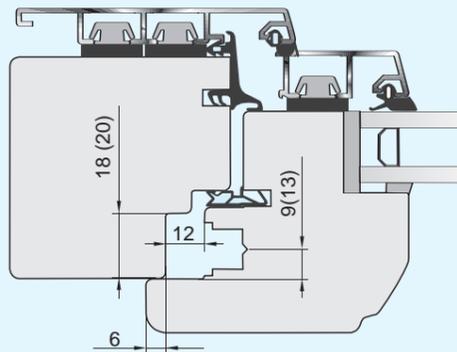


Required dimension for sash profile

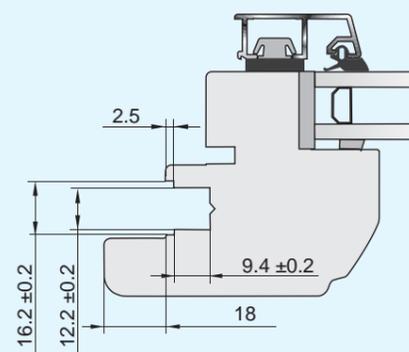


Aluminium-clad Wood Profile Specification

Required dimension for sash and frame

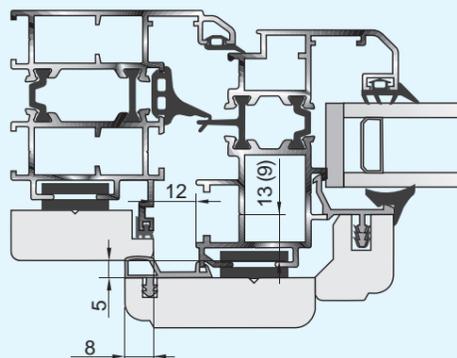


Required dimension for sash profile

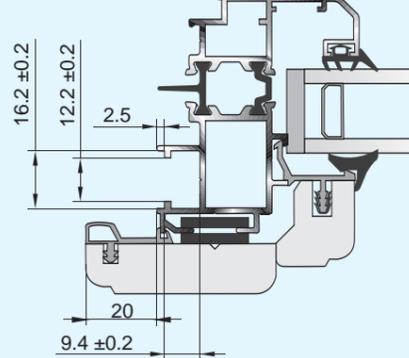


Wood-clad Aluminium Profile Specification

Required dimension for sash and frame



Required dimension for sash profile



Awarded the certificate of German IFT testing agency

The turn-and-tilt window hardware system for U groove PVC window launched by KINLONG, combines the special structure design of ventilation and position locking point, touching structure corner device(transmitter), and three-dimensional adjustable pivot hinges with high load-bearing. High-quality process of high anti-corrosion alloy coating brings different types of customers optimal perform ace ratio and wonderful using experience.

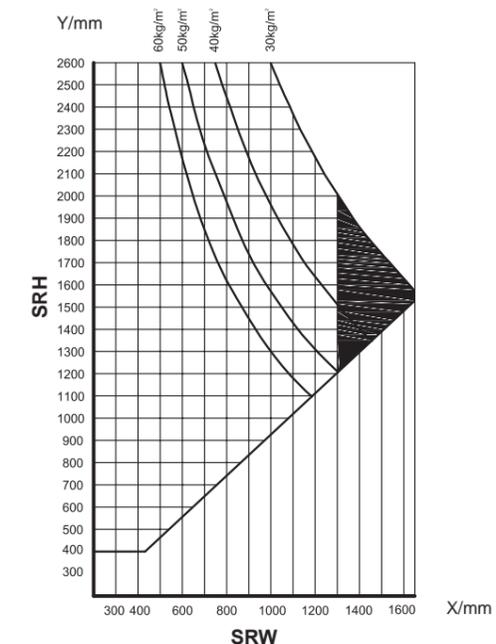
IFT-Rosenheim windows & doors Technology Research Institution in German, is the top testing and standards development agency in the world, whose products certification and quality supervision certificates are widely accepted in the market and recognized as proof of product quality.

The U groove turn-and-tilt window hardware system of KINLONG, after more than one year of exploration and experiment, based on the foundation of structural design innovation and craft improvement, passes the test of IFT at once and becomes the first domestic one to pass IFT.



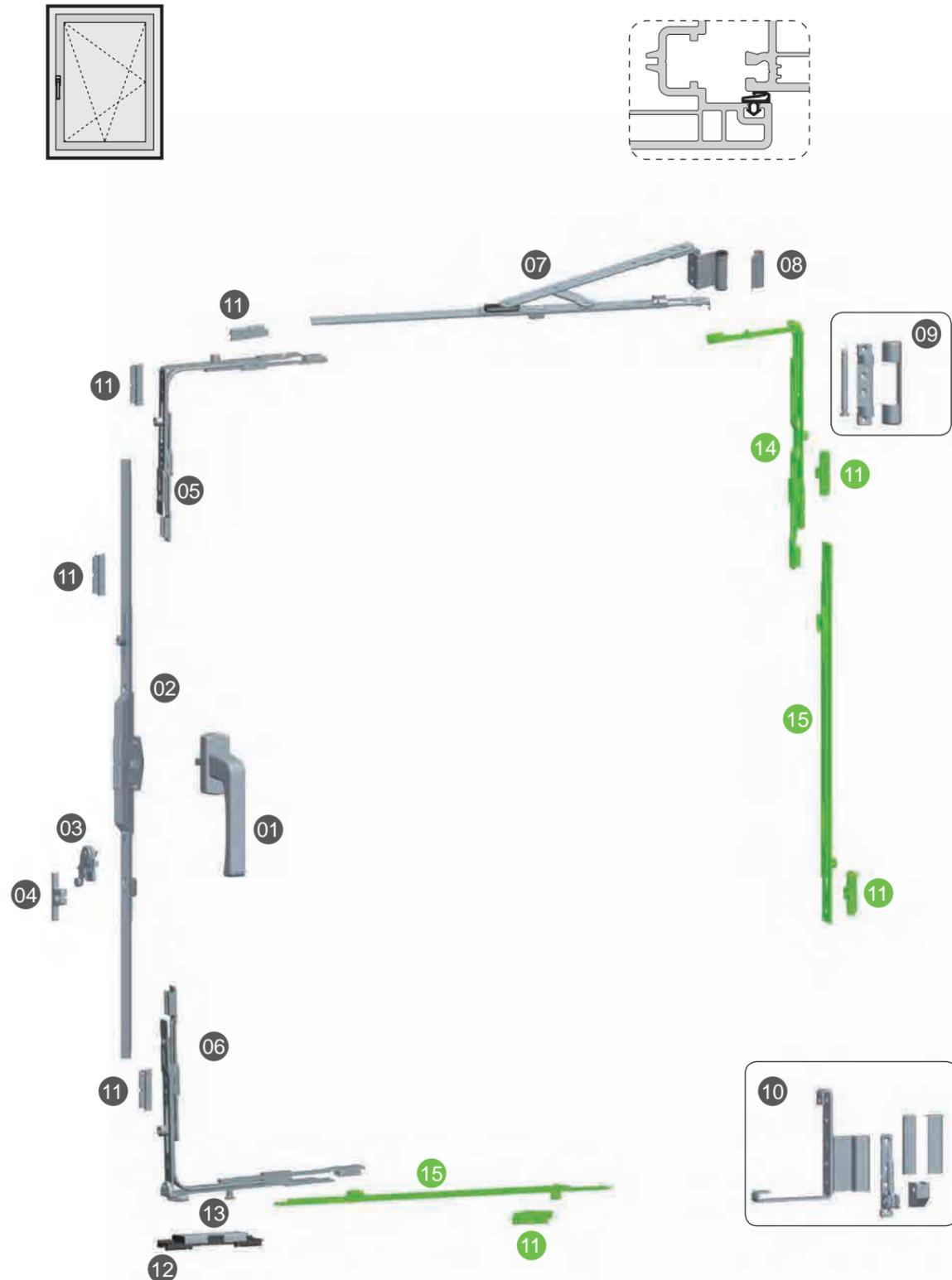
The load-bearing curve of pivot hinge

The load-bearing curve of 90kg pivot hinge



Remark: The shaded area needs to add a second control

2-1 SCPX100 Series Turn-and-Tilt Window Hardware System



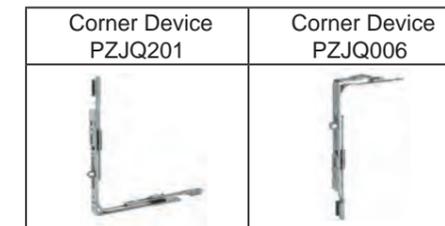
Hardware Configuration for SCPX100 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	PZSN001	1	Optional, Please indicate the color while placing order
02	Transmitter	PCDQN47509-12	1	Depends on window system
03	Anti-misoperation Device	PFWQR001	1	Left & Right
04	Anti-misoperation Block	PFWK00109A	1	
05	Corner Device	PZJQ204	1	Optional
06	Corner Device	PZJQ202	1	
07	Connecting Rod	PLGNXR10904-06	1	Left & Right, depends on window system
08	Outer Cover	PHYSN002-03A	1	Please indicate the color while placing order
09	Upper Pivot Hinge	PHYSN003	1	Please indicate the color while placing order, standard hardware can be purchased by sets or pieces
10	Bottom Pivot Hinge	PHYXNR0109	1	Left & Right, please indicate the color while placing order, standard hardware can be purchased by sets or pieces
11	Locking Plate	PSK00109	4	Depends on the quantity of locking points
12	Supporting Block	PZCZ00109	1	Optional
13	Supporting Cap	PZCG00109	1	
14	Corner Device	PZJQ203	1	
15	Side Transmission Rod	PBCDG004	2	

Optional Handle



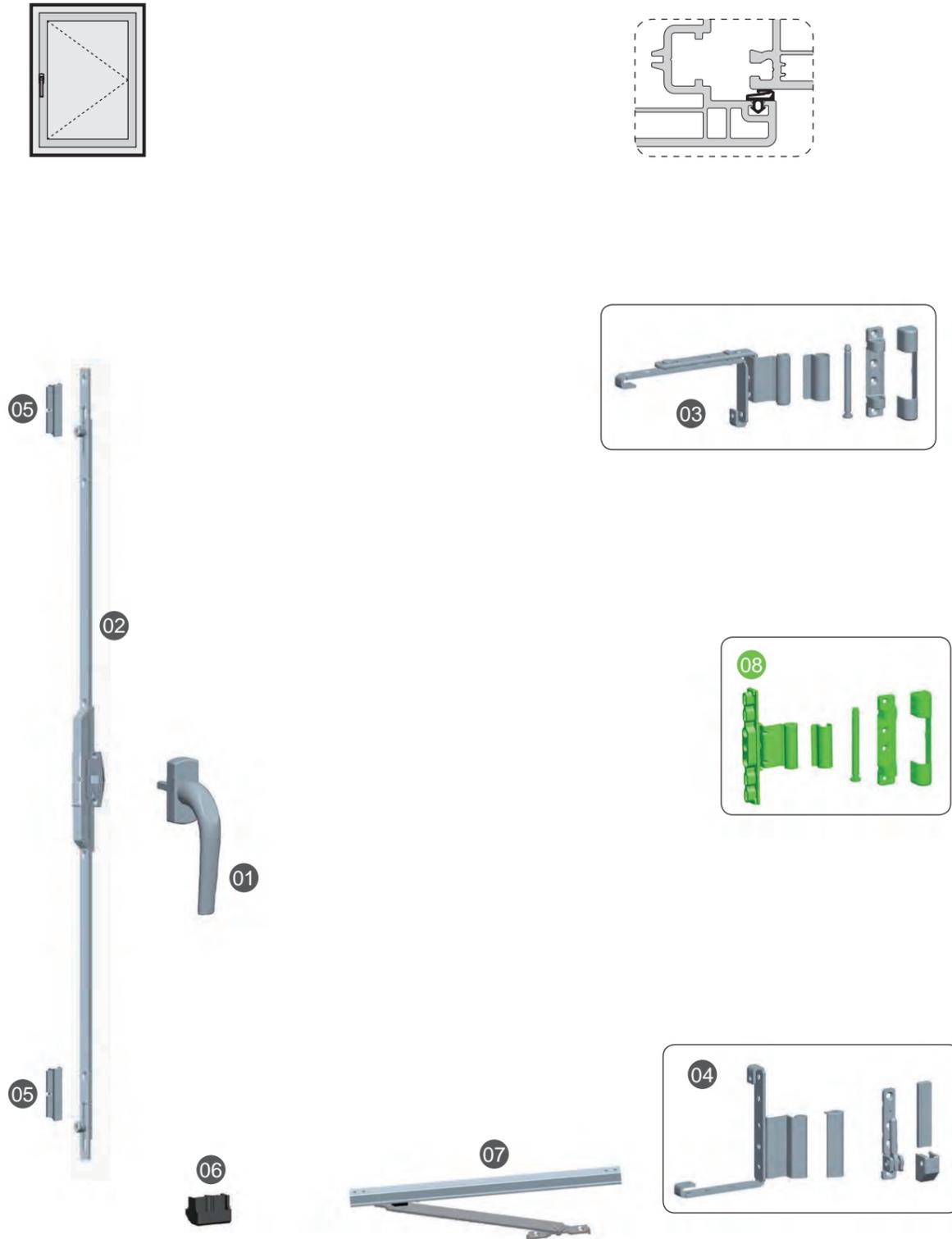
Optional Corner Device



Configuration Instruction

1. Above configuration is applicable to "9" series PVC profile, Besides there is "13" series configuration.
2. Items in green are optional.
3. This configuration is applicable to sash with height ranged from 901mm to 1200mm and width ranged from 430mm to 600mm. This system chooses other selective accessories that satisfy sash with height ranged from 570mm to 1800mm and width ranged from 320mm to 1000mm, refer to the accessory parameters on UPVC hardware catalogue. The recommended proportion is Width:Height=1:1.5
4. The maximum load bearing capacity of this configuration is 90kg, the load bearing capacity depends on the pivot hinge, please refer to:
 - The sash weight (including the weight of glass, sash profile and other accessories) X1.4 (Safety coefficient) ≤ The maximum load bearing capacity of the pivot hinge.
5. If need to increase the safety, then hardware with anti-theft locking point can be selected.
6. The above is only for reference. Please consult our technical department for sepecific requiemment

2-2 SCPN200Series Open-in Side-hung Window Hardware System



Hardware Configuration for SCPN200

Number	Product Name	Code	Quantity	Remark
01	Handle	PZSN013	1	Optional
02	Transmitter	PCDQND47508	1	Depends on window system
03	Upper Corner Hinge	PHYSNR0039	1	Left & Right, please indicate the color while placing order, standard hardware can be purchased by sets or pieces
04	Bottom Pivot Hinge	PHYXNR0109	1	Left & Right, please indicate the color while placing order, standard hardware can be purchased by sets or pieces
05	Locking Plate	PSK00109	2	Depends on the quantity of locking points
06	Lifting Block	PTSK001	1	
07	Pegstay	Refer to Pegstay Series	1	Depends on window system
08	Mid Pivot Hinge	PHYZ00709	1	Please indicate the color while placing order, standard hardware can be purchased by sets or pieces

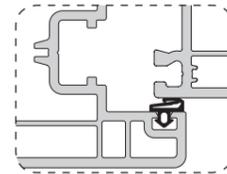
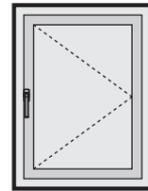
Optional Handle



Configuration Instruction

1. Above configuration is applicable to "9" series PVC profile, Besides there is "13" series configuration.
2. Items in green are optional.
3. This configuration is applicable to sash with height ranged from 801mm to 1000mm and width ranged from 450mm to 1000mm. This system chooses other selective accessories that satisfy sash with height ranged from 270mm to 2200mm and width ranged from 450mm to 1000mm, refer to the accessory parameters on UPVC hardware catalogue. The recommended proportion is Width:Height=1:1.5
4. The maximum load bearing capacity of this configuration is 90kg, the load bearing capacity depends on the pivot hinge, please refer to pivot hinge series:
The sash weight (including the weight of glass, sash profile and other accessories) X1.4 (Safety coefficient) ≤ The maximum load bearing capacity of the pivot hinge.
5. If need to increase the safety, then hardware with anti-theft locking point can be selected.
6. The above is only for reference. Please consult our technical department for sepecific requierment.

2-3 SMP100 Series Side-Hung Door Hardware System



Hardware Configuration for SMP100 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	PMZS001	1	Optional, Please indicate the color while placing order
02	Transmitter	PMCDQSS03018	1	Depends on door system
03	Locking Plate	PSK00113A	4	Divided into 9 and 13 series, Depends on the quantity of locking points
04	Pivot Hinge	PMHY00180	3	Optional, Please indicate the color while placing order
05	Lifting Block	PTSK001	1	
06	Cylinder	PSXAB/T	1	Optional
07	Cover Plate	PMMB001	1	Please indicate the color while placing order

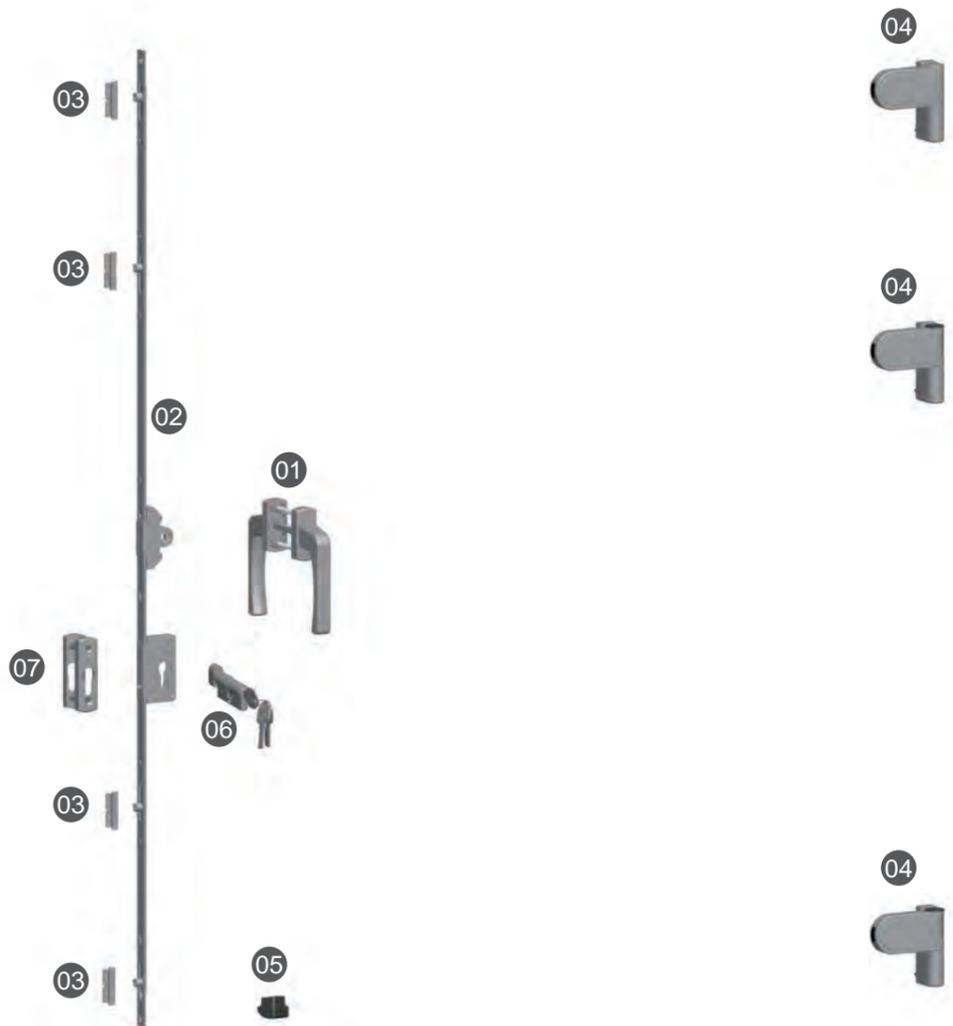
Optional Handle



Configuration Instruction

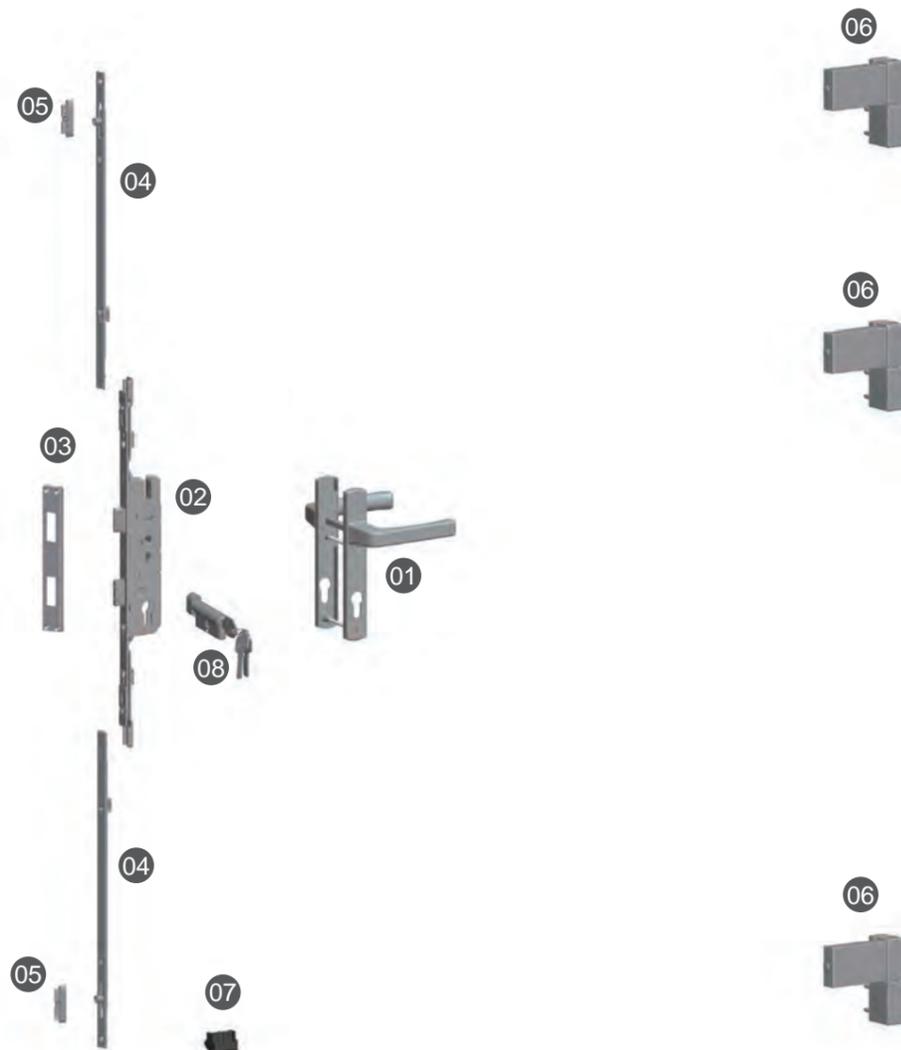
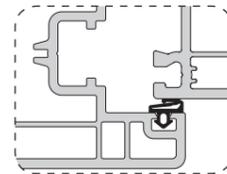
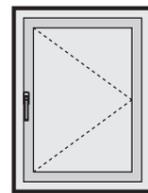
- The maximum load bearing capacity of this configuration is 80kg, the load bearing capacity depends on the pivot hinge, please refer to pivot hinge series:
The sash weight(including the weight of glass, sash profile and other accessories) \times 1.4(Safety coefficient) \leq The maximum load bearing capacity of the pivot hinge.
- To better improve the security, Security lock point can be installed.
- The above is only for reference. Please consult our technical department for sepecific requierment.

Note: (1)Handle quadrate-tongue Length L=Sash Thickness δ +30(40)mm;
(2)M5 Fixing Screw Length L=Sash Thickness δ +15mm;



2-4 SMP200 Series Side-Hung Door Hardware System

Hardware Configuration For SMP200 Series



Number	Product Name	Code	Quantity	Remark
01	Handle	PMZS010	1	Optional, Please indicate the color while placing order
02	Door Lock	PMS30 / IA	1	Optional
03	Cover Plate	PKMB002	1	
04	Side Transmission Rod	PBCDG006	2	Depends on door system
05	Locking Plate	PSK00113A	2	Divided into 9 and 13 series, Depends on the quantity of locking points
06	Pivot Hinge	PMHY003150	3	Optional, Please indicate the color while placing order
07	Lifting Block	PTSK001	1	
08	Cylinder	PSXAB/T	1	Optional

Optional Door Lock



Optional Pivot Hinge



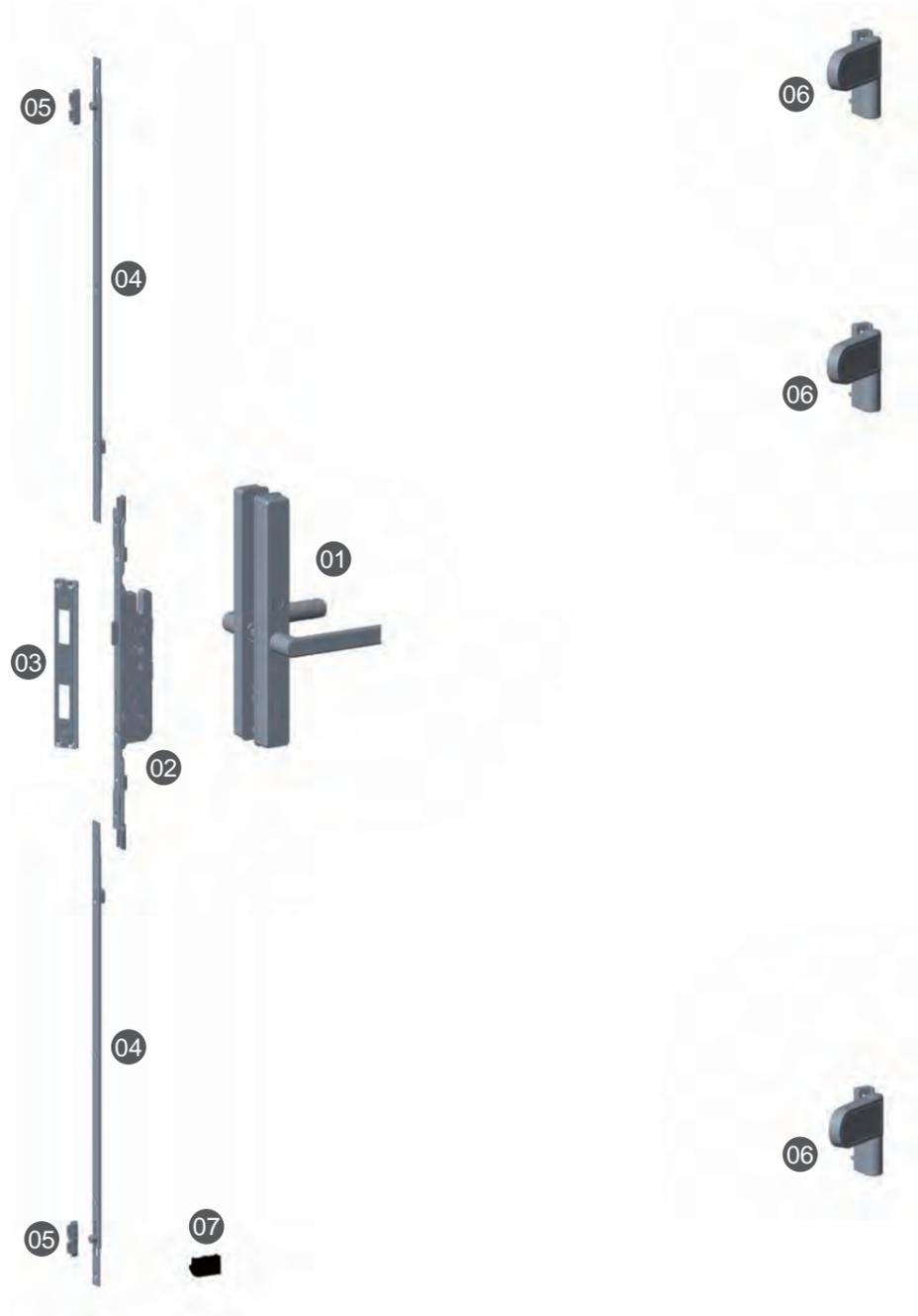
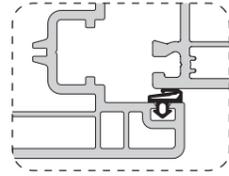
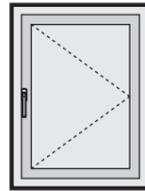
Configuration Instruction

- The maximum load bearing capacity of this configuration is 150kg, the load bearing capacity depends on the pivot hinge, please refer to pivot hinge series:
The sash weight(including the weight of glass, sash profile and other accessories) $\times 1.4$ (Safety coefficient) \leq The maximum load bearing capacity of the pivot hinge.
- To better improve the security, Security lock point can be installed.
- The above is only for reference. Please consult our technical department for sepecific requiement.

Note: (1)Handle quadrate-tongue Length L=Sash Thickness δ +30(40)mm;

(2)M5 Fixing Screw Length L=Sash Thickness δ +15mm;

2-5、SMP500 Series Side-Hung Door System Hardware With Intelligent Lock



Hardware Configuration For Side-Hung Door With Intelligent Lock

Number	Product Name	Code	Quantity	Remark
01	Intelligent Lock	PMZSZL001	1	Left&Right, please indicate color while placing order
02	Door Lock	PMS35/IAFX	1	Optional
03	Cover Plate	PKMB002	1	
04	Side Transmission Rod	PBCDG006	2	Depends on door system
05	Locking Plate	PSK00113A	2	Depends on the quantity of locking points
06	Pivot Hinge	PMHY002150	3	Optional, Please indicator color while placing order
07	Lifting Block	PTSK001	1	

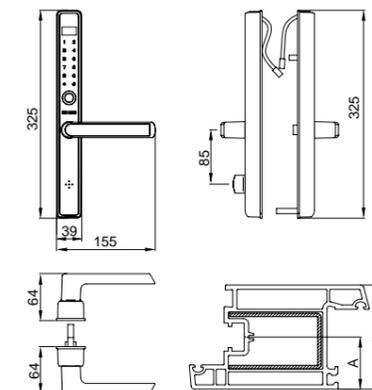
Optional Configuration Two

door lock PMS35/IA	Handle PMZS010	Cylinder PSXAB/T

Configuration Introduction

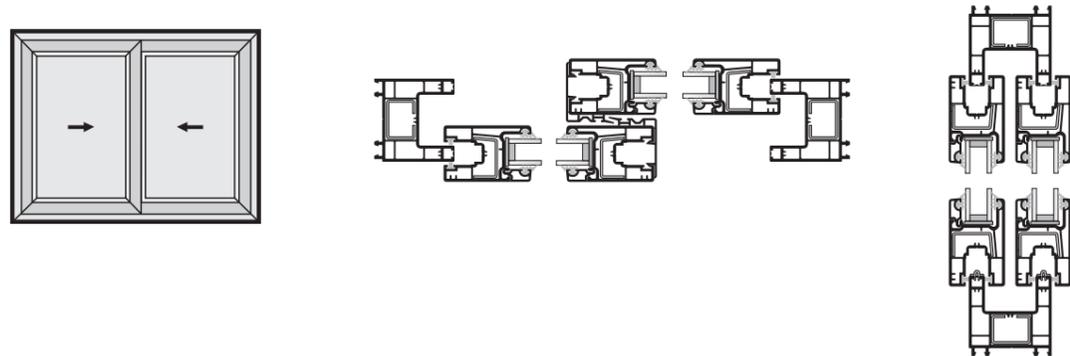
1. Aboved configuration is applicable to "13" series PVC profile, besides there is "9" series configuration;
2. The maximum load bearing capacity of this configuration is 150kg, the load bearing capacity depends on the pivot hinge, please refer to pivot hinge series; The sash weight(Including the weight of glass, sash profile and other accessories) x 1.4 (Safety coefficient) ≤ The maximum load bearing capacity of pivot hinge.
3. If need to increase the safety, then hardware with anti-theft locking point can be selected;
4. The above is only for reference. please consult our technical department for specific requierment.

Note: (1)Handle quadrate-tongue, screws and knob pin need to be ordered additional, they can be packed separately or in sets;
 (2)Handle quadrate-tongue code is PMFG8-L, length L=sash thickness+ (25~30)mm (Take the common multiple of 5, for example sash thickness is 42mm, then chose quadrate-tongue length 70mm);
 (3)Fixing screw is M5*L, length L=Sash thickness (Addition is used for non-common multiple of 5, for example sash thickness is 42mm, then chose fixing screw length 45mm)
 (4)Knob pin:PNT-Lxx(for example PNT-L65) A+20≤xx≤B+12
 A:The distance from the center of U groove to the inside surface of profile
 B:The thickness of profile
 xx: The knob pin specification (Standard product have three types of 40,65,130)
 (Note:The standard part specification is not within the scope of the obtained knob pin length shall be non-standard, the non-standard length shall be the common-multiple of 5, and the priority shall be given to the 65 specification when there are multiple specifications available.)



2-6 SCTL100 Series Sliding Window Hardware System

Hardware Configuration for SCTL100 Series



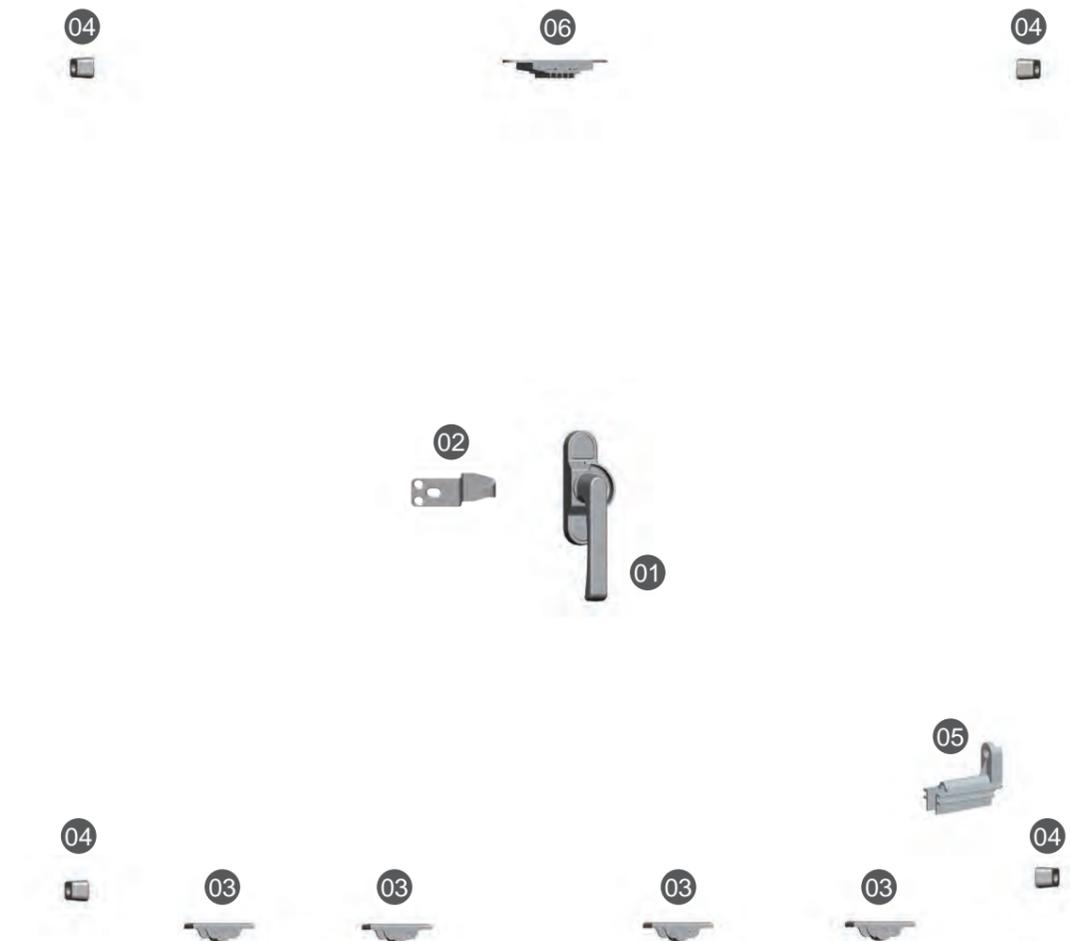
Number	Product Name	Code	Quantity	Remark
01	Crescent Lock	PYSR001/I	1	Optional, Please indicate the color while placing order
02	Locking Hook	PSG008	1	
03	88 Single Roller	PDHRC001	4	Optional
04	Anti-strike Block	PFZK001	4	
05	Anti-strike Block	PFZK003	1	
06	Anti-theft Piece	PFDK001	1	

Optional Roller

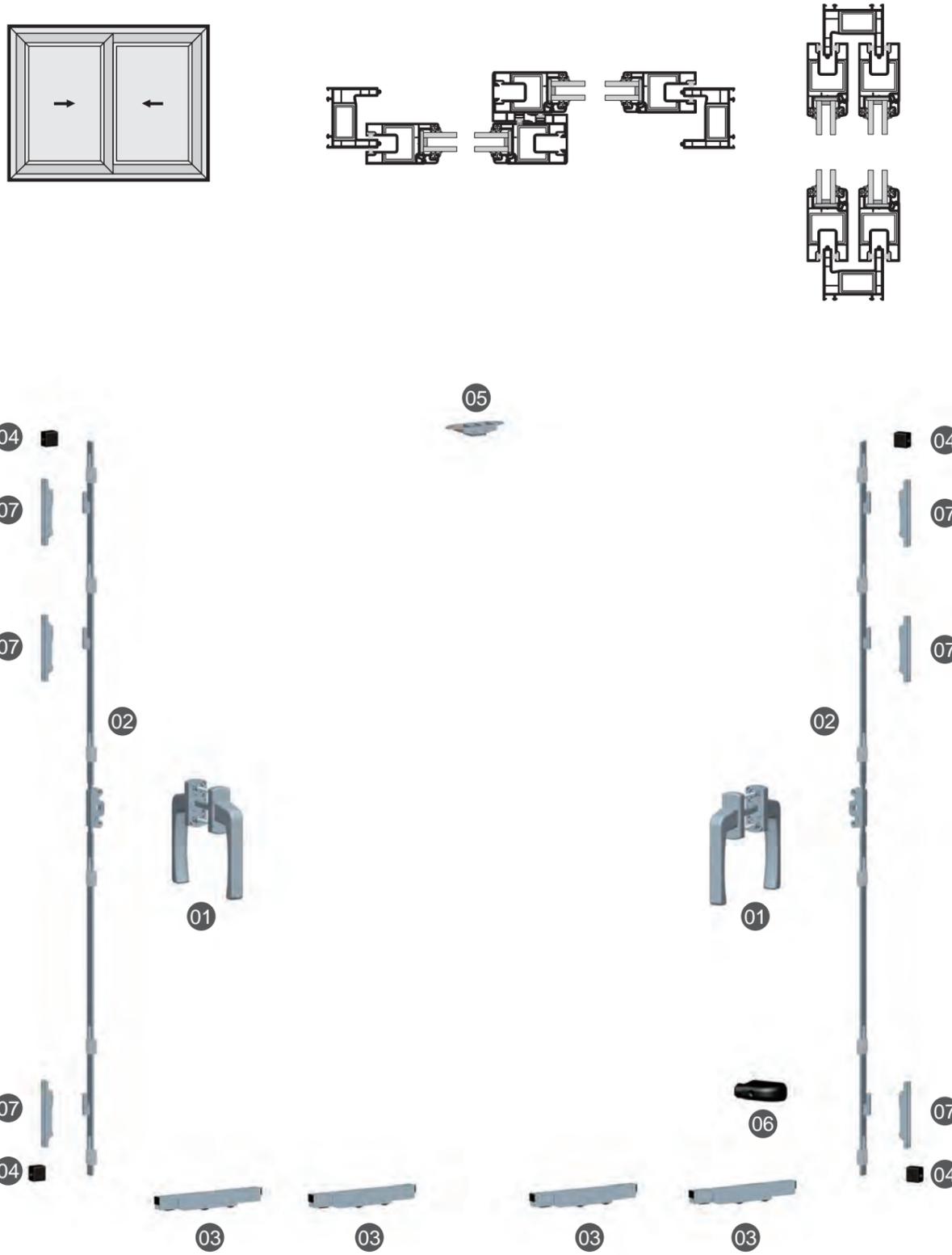


Configuration Instruction

- The maximum load bearing capacity of this configuration is 40kg, the load bearing capacity depends on the roller, please refer to roller series:
The sash weight(including the weight of glass, sash profile and other accessories) $\times 1.4$ (Safety coefficient) \leq The maximum load bearing capacity of the roller
- The above is only for reference. Please consult our technical department for sepecific requierment.



2-7 SMTL200 Series Sliding Door Hardware System



Hardware Configuration for SMTL200 Series

Number	Product Name	Code	Quantity	Remark
01	Handle	PMZS001	2	Optional, Please indicate the color while placing order
02	Transmitter	PCDQ01214/I	2	Depends on window system
03	15 Adjustable Double Roller	PTHRC001	4	
04	Anti-strike Block	PFZK002	4	
05	Anti-theft Piece	PFDK001	1	
06	Anti-strike Block	T-FK-D	1	
07	Locking Plate	PSK006	6	Depends on the quantity of locking points

Exterior Handle / Plate are optional for out-door side

Exterior Handle PMZS011-01	Plate PMB101	Sliding door handle PMLS01
		

Optional Roller

12 Adjustable door roller PTMLC003K12


Configuration Instruction

- The maximum load bearing capacity of this configuration is 90kg, the load bearing capacity depends on the roller, please refer to roller series:
The sash weight(including the weight of glass, sash profile and other accessories) $\times 1.4$ (Safety coefficient) \leq The maximum load bearing capacity of the roller
- The above is only for reference. Please consult our technical department for sepecific requierment.

Gasket Product



Raw material and material inspection system



EPDM



Carbon Black



Oil

Newanton adopts materials of high quality. The original seal adopts that from Holland DSM, Mitsui, American DupontDow.Exxon and products from other large multinational companies. Carbon black adopts products from Germany Degussa, and Chinese Black Cat listed company, and the raw materials are all imported or from domestic brands.

High standards of raw material inspection and strict acceptance are the basis of brand assurance.

Newanton insists on the use of genuine raw materials, high-quality raw materials to ensure the high quality of the products.



Chemical analysis of raw materials



Control the quality of raw materials



Test the level of raw materials

Production and Equipment Introduction

Mixing and batching system



Mixing System



Semi-finished product Cooling System



Germany TROESTER salt bath line



France's durferrit salt bath line



Chemical analysis of raw materials

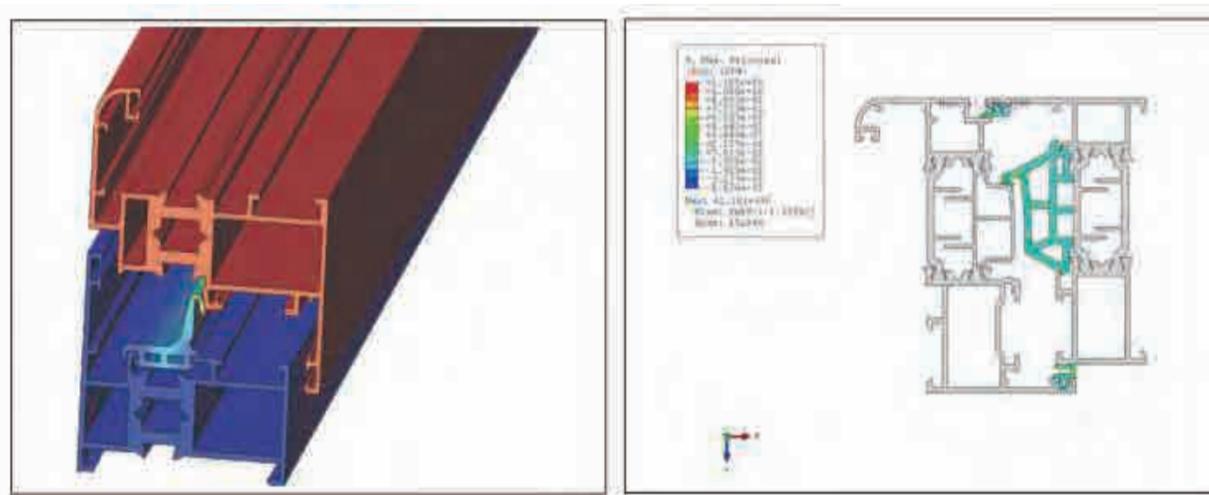


Full size inspection



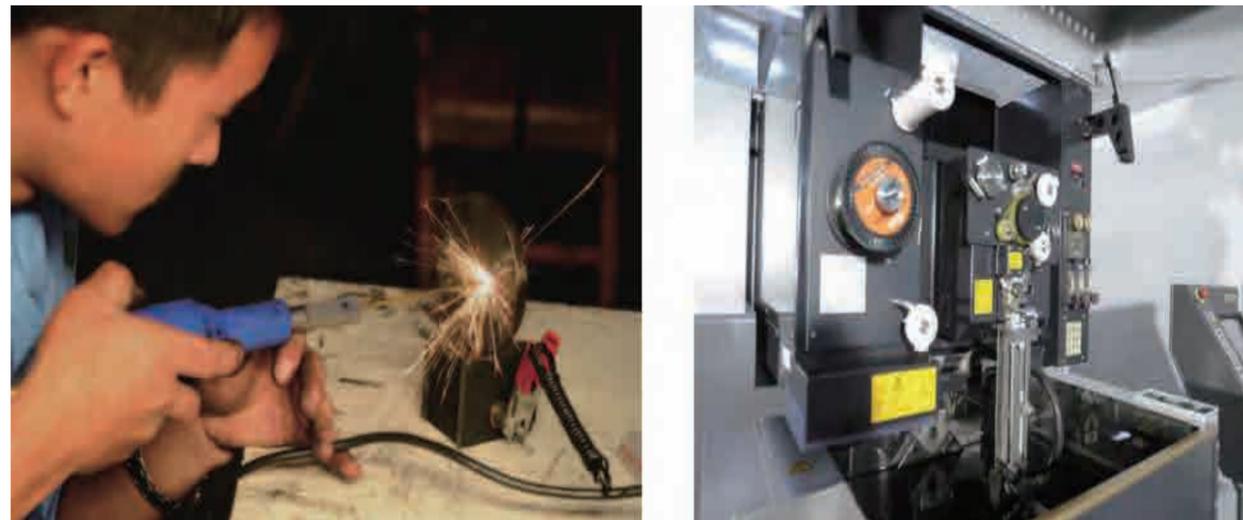
TOYOTA automobile sealing strip joint angle machine

Design, mold system



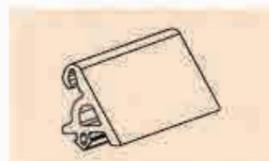
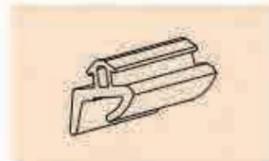
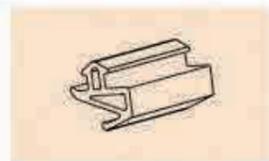
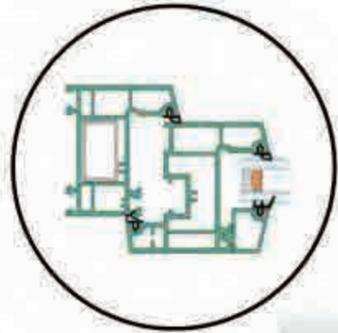
Newanton size design adopts international advanced simulation software to avoid artificial error.

Aluminum alloy door and window sealing system

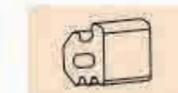
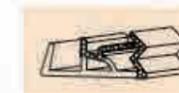
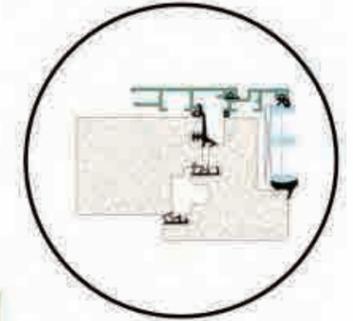


Newanton has a highly educated, high-quality, elite design team with rich experience, advanced technology and advanced equipment, which can produce the most stable mold to ensure the stability of products.

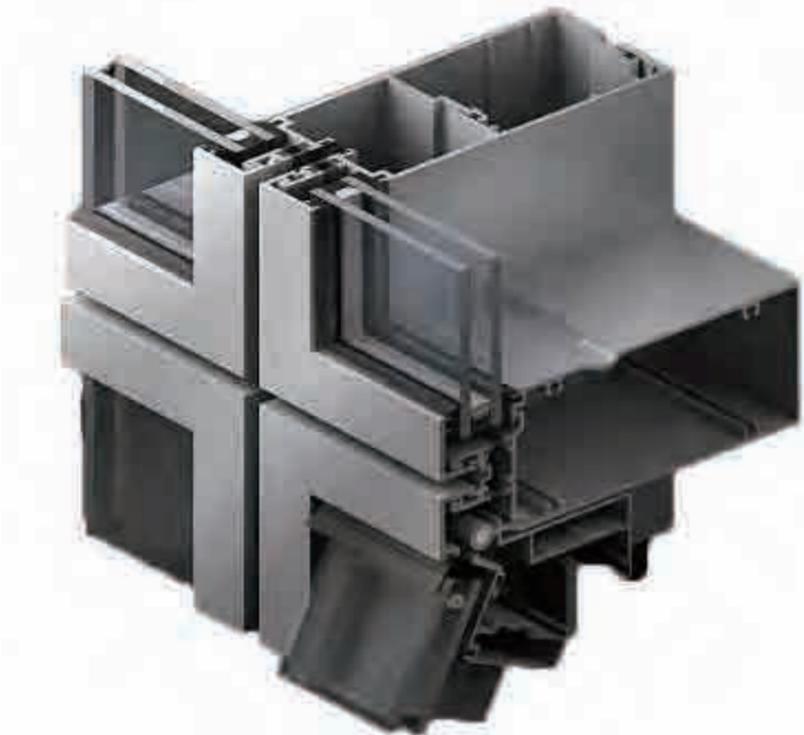
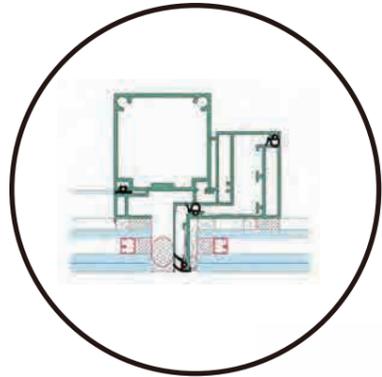
Plastic steel doors and windows sealing system



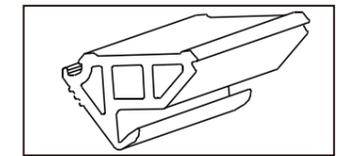
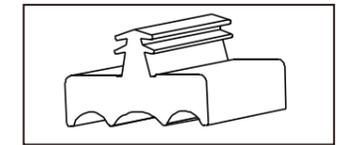
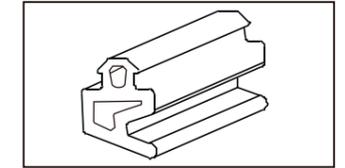
Aluminum and wood doors and windows sealing system



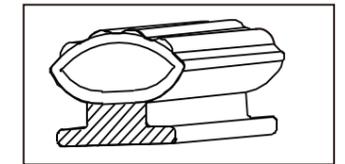
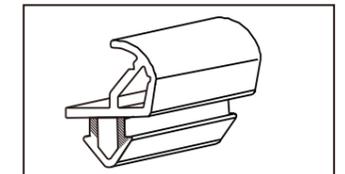
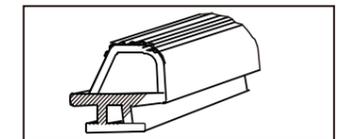
Curtain wall sealing system



Fire door and Sliding window sealing system



Flame retardant gasket: in case of open flame, it does not burn, and the flame retardant grade is up to FV- O level.
 Fire expansion seal strip: in case of fire, it does not burn, and will expand instead, isolating toxic gases and extending the rescue time.



TPE/TPV gasket: composed of 2~3 different materials, which are mainly PVC, EPDM and so on, and can achieve more hardness, color co extrusion, and can realize the demand of low friction in the sliding windows, and it is environmental friendly (Recyclable).

Angle system components

The common treatment technology of gasket corner in the market at present:

- 1、 Hot melt method: Commonly used in TPE, TPV, PVC and other thermoplastic materials, and the high temperature treatment of the corner makes the adhesive bond.
- 2、 45° angle glue bonding method: Through a special tool, 90° angle is cut into oblique 45° angle, and bonded through EPDM glue.
- 3、 Angle bonding: 90° angle parts adopt molding process to make the angle of the same shape and size as the strip, and bonded through the EPDM glue, in order to achieve good waterproof performance.
- 4、 The whole frame gasket: through special process, the gasket is connected into a frame like a quadrilateral sealing ring, which basically solves the problem of air leakage and water leakage of doors and windows.

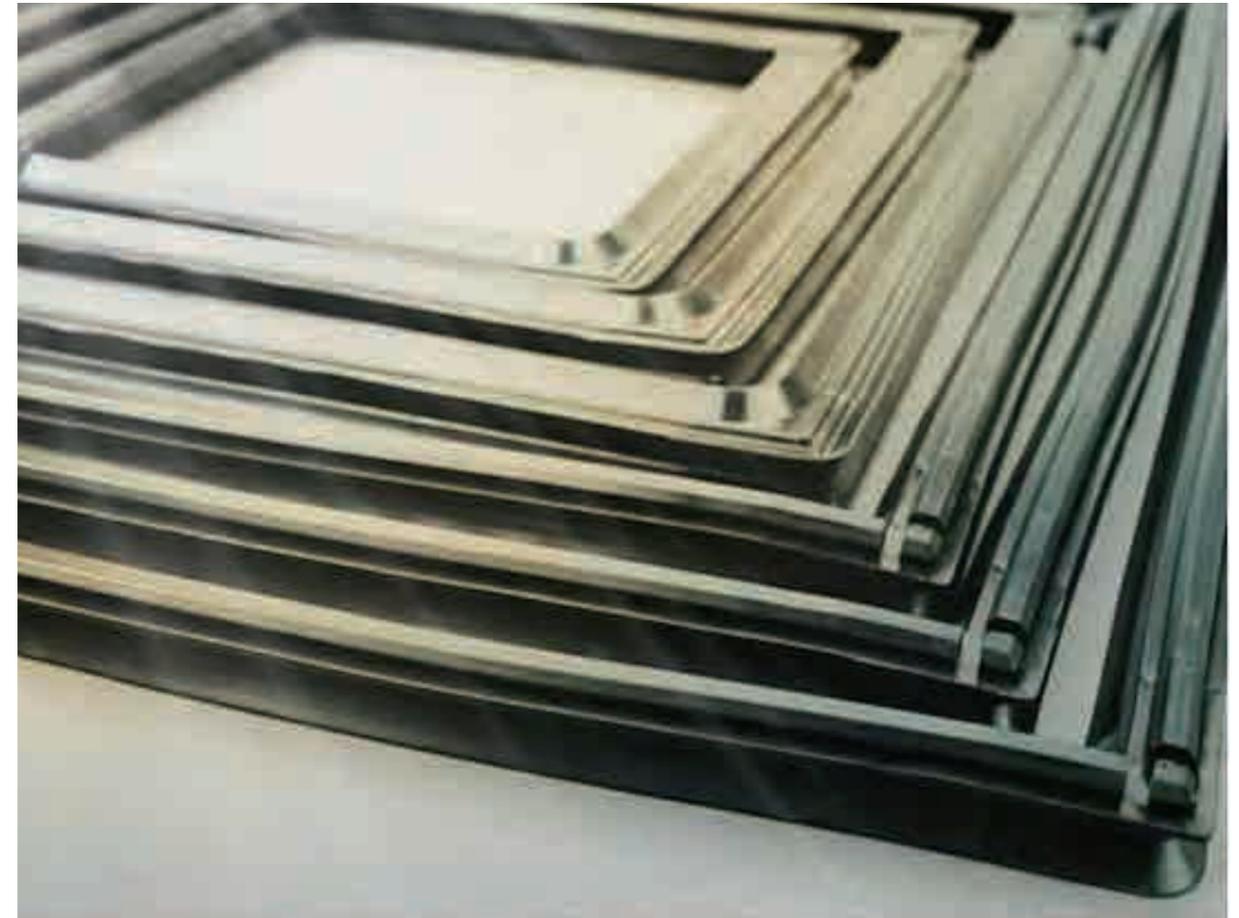


Comparison of corner treatment technology

Technology	Flow chart	Advantage	Disadvantage	Effect
Welding		High speed, high efficiency	Only the gasket containing plastic components can be welded and easy to break	Poor effect, easy to break in a short time
45° bonding		Simple process	cutting requirements for workers	The effect is generally satisfactory, and the glue is easy to crack after hardening
Corner bonding		High operability, good waterproof performance	High cost	The effect is good, not easy to leak wind and water
The whole frame		Beautiful, excellent sealing performance	Complex process, low efficiency	The effect is excellent, and the problem of air leakage and water leakage is basically solved.

Frame gasket system

Frame gasket



The common problem of domestic doors and windows 90° parts are air leakage and water leakage problem, the corner treatment process of several existing domestic doors and windows enterprise, with the passage of time, are basically having the risk of wind leakage and water leakage. Combined with car sealing technology, Newanton brings out a whole new frame gasket used in doors and windows, adopting the glue injection process of integral casting molding, which completely solves the problem of water leakage of windows and curtain wall corner. The whole frame gasket: through special process, we connect the gasket into a frame-like quadrilateral sealing ring. According to the production process, it is divided into the overall sealing injection integral casting and corner sealing welding method.