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*For Better Living*

## Door Control Hardware Typical Product Catalogue



Door Control Hardware  
Typical Product Catalogue



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# Specification of the Product Code Change

## 一、Specification

### 1. Purpose

The product code is based on the product attribute, to make code numbers standard, scientific, unique, coordinate, practical and expansible.

### 2. Application scope

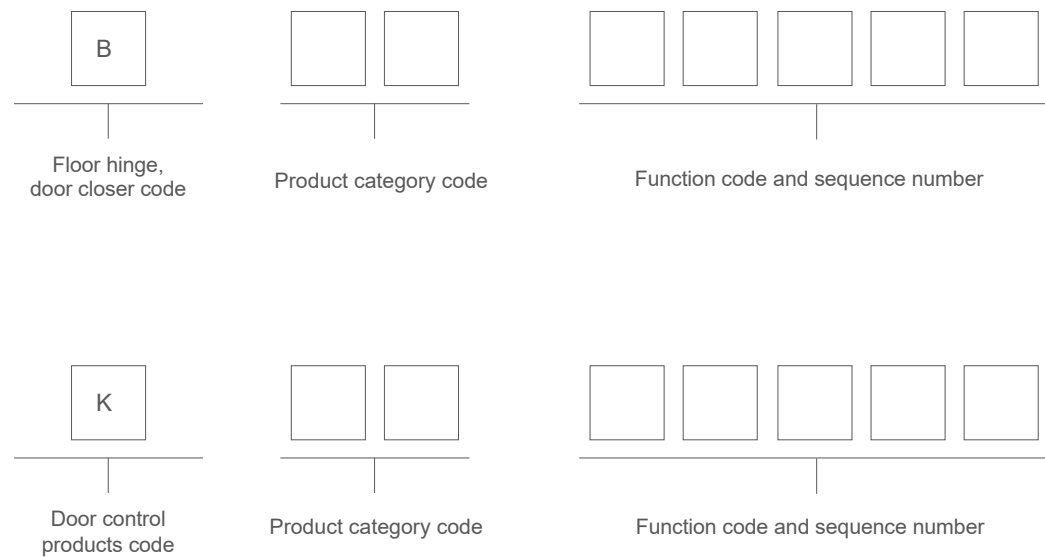
It is suitable for all of the products in this catalogue.

## 二、Rules

- Code number has 8 digits, 3 digits + 5 digits pattern.
- First 3 digits are characters; last 5 digits are all numbers or number + character.
- The total number of special product Numbers is 9 digits.

## 三、Principle

- The first letter of the product of floor hinge and door closer is "B".
- The first letter of the door control product is "K".
- Classification of all products is according to the characteristics of door type, bearing weight, product style and function.



## Check List for New and Old Code Number

No.	Product category	New Name	Old Name	New Code.	Old Code.
1	Floor Hinge	Floor hinge	Floor Hinge	BDH	HD/HDF
		Floor hinge accessories	Floor Hinge Accessories	BDP	DS/DX/DY
2	Door Closer	Door closer	Door closer	BBM	YB/B/BZ
		Door closer accessories	Door Closer Accessories	BBP	BZJ
3	Glass Patch for Doors	Door patch series 100Kg series	—	KMJ	—
		Door patch series 100Kg series	Short Patch/Bending Patch /Bracket Y500		M/YM/Y
		Door patch series 130Kg series	Short Patch/BracketY400/Y800		Y
		Door patch series 150Kg series	Medium-sized Patch		M
		Door patch series 180Kg series	BracketY900		Y
		Door patch series 200Kg series	Heavy Patch/Bending Patch		FM/YM
		Long door patch series 130Kg series	Standard Long Patch		CM/CMS
		Long door patch series 150Kg series	Standard Long Patch		CM/CMS
		Long door patch series 200Kg series	Widened Long Patch		CM/CMS
		Fixed Patch Fitting 40Kgseries	—		—
4	Door Lock	Glass door lock	Glass Door Lock/Lock Patch/ Sliding Door Lock	KMS	BS/S/YMS
		Profile door lock	Center Lock for Profile Doors/ Ground Lock		XS/DS
5	Door Hinge	Eccentric door spindle	Door Spindle/Pivot Hinge		XP/DZ
		Glass door hinge	Glass Door Hinge		JL
6	Auxiliary Accessories	Glass door latch	Glass Door Latch	KFJ	BCX
		with frame latch	Latch		CX
		Automatic anti-dust strip at the door Bottom	—		—
7	Door Handle	Stainless steel handle(Big)	Handle	KLS	LS
		Handle with lock	Handle with Lock		LSS
		Stainless steel handle(Small)	—		—
		Concealed handle	Sliding Door Handle		TLG/TL
8	Sliding door system	Sliding door series	sliding door accessories	KYN/KYW	—
		Buffer sliding door series	buffer sliding door accessories	KYN	—
		Buffer linkage sliding door series	Buffer Linkage door	KYN	KYL
9	Folding door system	Wooden folding door series	—	KZD	—
		Glass folding door series	Side Suspension / Middle Suspension		ZDM
10	Active partition system	Glass movable partition series	Active partition system	KHD	—
11	smart door control system	Magnetic lock series	Magnetic lock	KDS	CS/CSL
		Electric plug lock series	Electric plug lock	KDC	DCS
		Electromagnetic door suction series	Electromagnetic door suction	KDX	MX
		Access control machine series	Card Reader	KDM	DK
		Switch series	Switch	KDK	KG
		Auxiliary accessories series	Bracket/ Power Controller	KDF	ZJ/PCS

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# 01

## Floor Hinge



### Floor Hinge List

Diagram	Product code	Positioning type	Door width	Maximum Loading	Life cycle	Speed control	page
	BDH80116(New)	Remote control 90° positioning	650~1200mm	150Kg	>1000,000 Cycles	Adjustable	P7
	BDH80216(New)	Remote control 90° positioning	650~1200mm	150Kg	>1000,000 Cycles	Adjustable	P9
	HD101/HDF101	90°/Non-hold	650~1050mm	100Kg	>500,000 Cycles	One speed section	P15
	HD102	90°hold	650~900mm	90Kg	>300,000 Cycles	One speed section	P17
	HD103/BDH10003	90°/Non-hold	600~950mm	65Kg	>300,000 Cycles	One speed section	P19
	HD201	90°hold	650~1050mm	90Kg	>500,000 Cycles	Two speed section	P21
	BDH20114	90°hold	650~750mm(Unilateral)	85~100Kg	>500,000 Cycles	Two speed section	P23
	BDH20216(New)	90°hold	650~750mm(Unilateral)	150Kg	>500,000 Cycles	Two speed section	P25
	BDH20214/BDH20204	90°/Non-hold	650~1050mm	85~100Kg	>500,000 Cycles	Two speed section	P27
	BDH20314/BDH20304	90°/Non-hold	650~1050mm	100Kg	>500,000 Cycles	Two speed section	P29
	BDH20315/BDH20305	90°/Non-hold	800~1200mm	130Kg	>500,000 Cycles	Two speed section	P29
	HD203/HDF203	90°/Non-hold	650~1050mm	100Kg	>1000,000 Cycles	Two speed section	P31
	HD204	90°hold	750~1100mm	115Kg	>1000,000 Cycles	Two speed section	P31
	HD205/HDF205	90°/Non-hold	800~1200mm	130Kg	>1000,000 Cycles	Two speed section	P31
	HD304	90°及120°-180°hold	650~1050mm	100Kg	>1000,000 Cycles	Two speed section	P33
	HD305	90°及120°-180°hold	800~1200mm	130Kg	>1000,000 Cycles	Two speed section	P33
	HD403	90°hold	650~1050mm	100Kg	>1000,000 Cycles	Two speed section	P35
	HD405	90°hold	800~1200mm	130Kg	>1000,000 Cycles	Two speed section	P35
	HD406/HDF406	90°/Non-hold	1100~1300mm	150Kg	>1000,000 Cycles	Two speed section	P35
	BDH40115-HW	90°hold	650~1050mm	100Kg	>500,000 Cycles	Two speed section	P37
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	BDH50011/BDH50001	90°/Non-hold	1200~1400mm	250Kg	>500,000 Cycles	Two speed section	P41
	BDH50112	90°hold	1100~1250mm(Unilateral)	300Kg	>500,000 Cycles	Two speed section	P43
	BDH50012	90°hold	Door width: 1200~1500mm Maximum Door high: 3200mm	300Kg	>500,000 Cycles	Two speed section	P45
	BDH50013	90°hold	Door width: 1200~1500mm Maximum Door high:3800mm	350Kg	>500,000 Cycles	Two speed section	P47
	BDH50014	90°hold	Door width: 1200~1500mm Maximum Door high:4200mm	400Kg	>500,000 Cycles	Two speed section	P47
	BDH60015	90°hold	800~1000mm	85Kg	>500,000 Cycles	Two speed section	P49
	BDH60016	90°hold	800~1200mm	100Kg	>500,000 Cycles	Two speed section	P49
	BDH70014	90°hold	650~800mm	85Kg	>300,000 Cycles	Two speed section	P51
	BDH70015	90°hold	750~900mm	100Kg	>300,000 Cycles	Two speed section	P51
	BDH70114(New)	90°hold	650~800mm	85Kg	>300,000 Cycles	Two speed section	P53
	BDH70115(New)	90°hold	750~900mm	100Kg	>300,000 Cycles	Two speed section	P53





Passed the test of SGS & DGM

Integral cover design, easy to be installed.

Originate the special filler with anti-rust, water proof, keep warm, insect Prevention

**Floor hinge check list**

Product code	Left/ right, front/ back adjustable	Left/ right, front/ back-up/ down adjustable	Heavy duty	Ultra narrow type	Torque adjustable	Slotting free	Top installation	360° rotation	Electrical	Opening angle	Opening angle	Opening angle	Opening angle	Opening angle	Single cylinder	Double-cylinder	One speed section	Two speed section
										116°	120°	130°	180°	360°				
BDH80116(New)	●								●									
BDH80216(New)	●								●									
HD101/HDF101	●										●				●		●	
HD102	●										●				●		●	
HD103/BDH10003	●										●				●		●	
HD201	●										●				●		●	
BDH20114		●		●	●			●						●	●		●	
BDH20216(New)		●						●						●	●		●	
BDH20214/BDH20204		●		●	●								●		●		●	
BDH20314/BDH20304		●		●									●		●		●	
BDH20315/BDH20305		●		●									●		●		●	
HD203/HDF203		●											●		●		●	
HD204		●											●		●		●	
HD205/HDF205		●											●		●		●	
HD304		●											●		●		●	
HD305		●											●		●		●	
HD403		●											●		●		●	
HD405		●											●		●		●	
HD406/HDF406		●											●		●		●	
BDH40115-HW		●											●		●		●	
BDH40017		●											●		●		●	
HD407/BDH40008		●											●		●		●	
BDH50011/BDH50001		●	●												●		●	
BDH50112		●	●	●				●							●		●	
BDH50012		●	●												●		●	
BDH50013		●	●												●		●	
BDH50014		●	●												●		●	
BDH60015															●		●	
BDH60016															●		●	
BDH70014													●				●	
BDH70015													●				●	
BDH70114(New)													●				●	
BDH70115(New)													●				●	

# Electric floor hinge

Contactless door hardware integration solutions



Remote door opening



Induction door opening

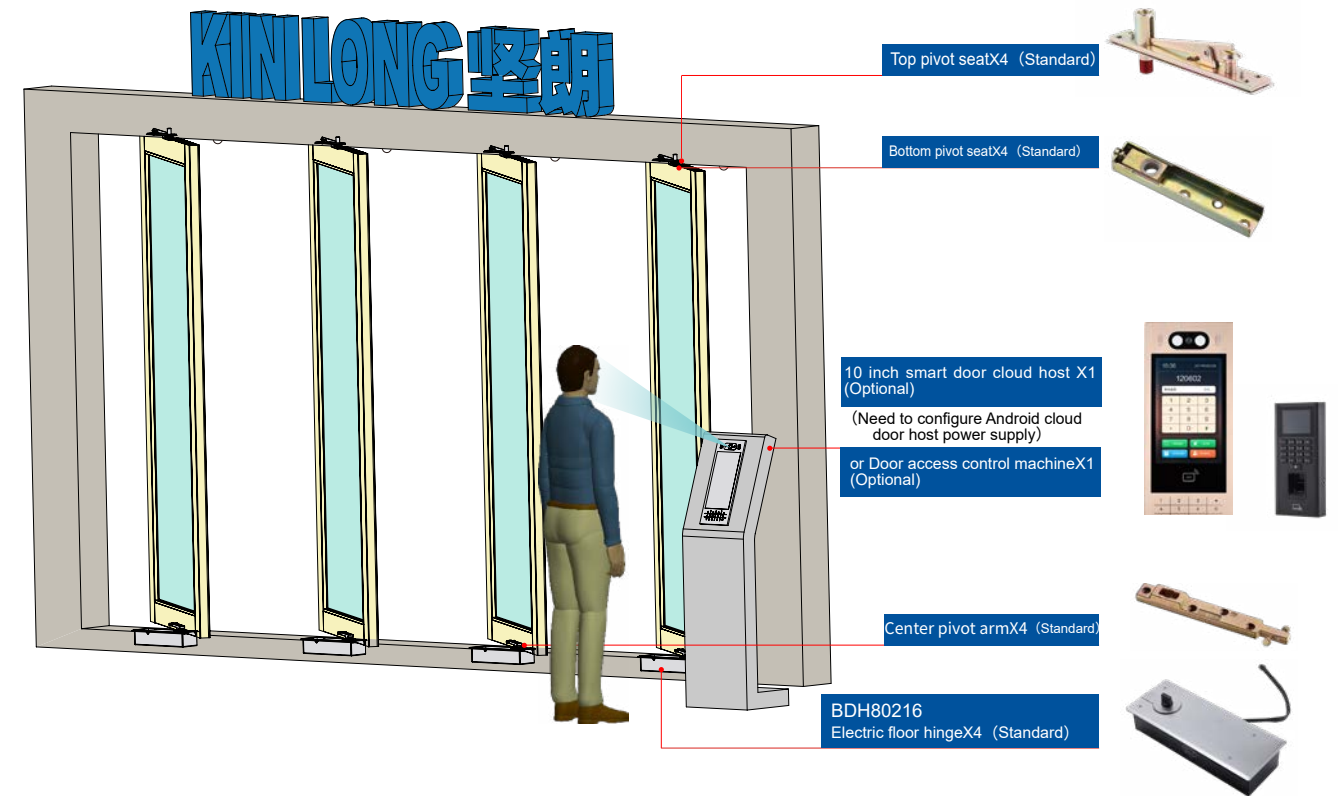


Face recognition door opening

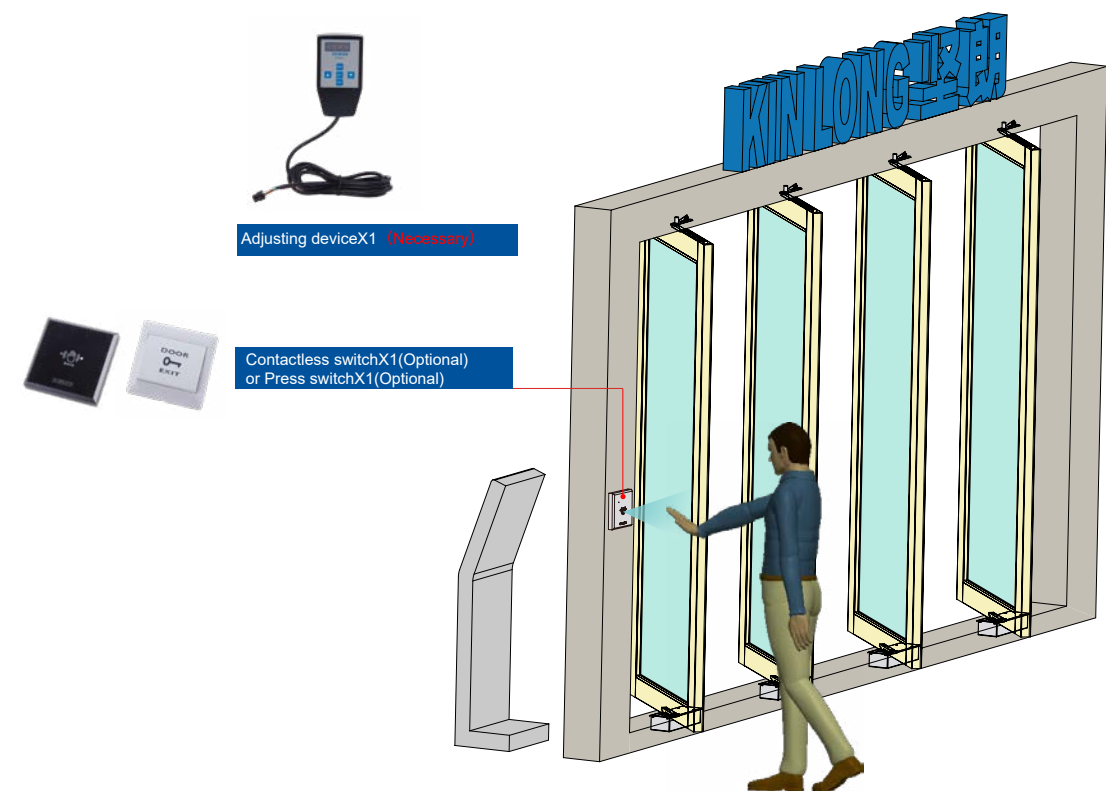


Password/fingerprint/ card to open the door

## Hardware integrated configuration scheme for contactless door of electric middle rotation door (outdoor)



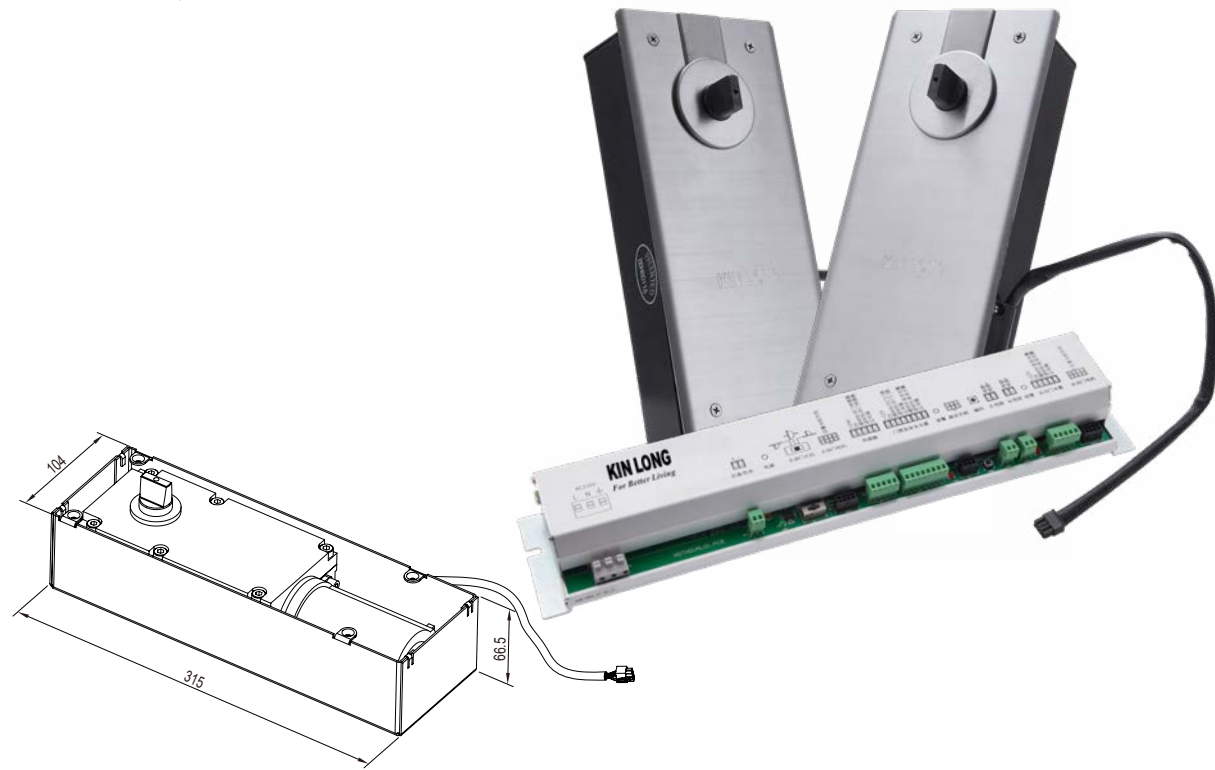
## Hardware integrated configuration scheme for contactless door of electric middle rotation door (indoor)

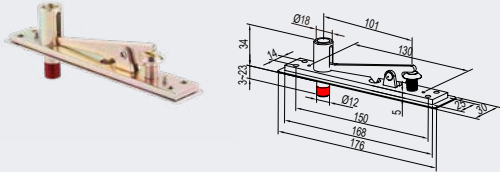


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Electric **New**



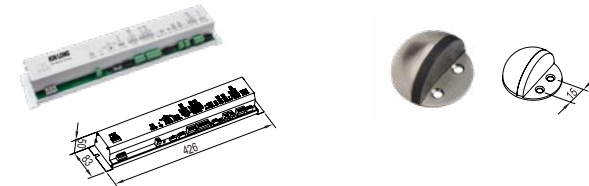
Standard configuration does not include the following accessories)	Product description	BDH80116
BDP30001 Top pivot seat 	Positioning type: Remote control 90° positioning	•
	Maximum Loading: 150kg	•
	Door width: 650~1200mm	•
	Life cycle: >1,000,000 Cycles	•
	Max open degree: 90°	•
	Damping strength: The door sash encounters resistance not greater than 116N.m Can stop or reverse open	•
	Waterproof performance: Motor insulation, waterproof, strong corrosion resistance	•
	The output voltage: 12V、24V	•
	Power supply: AC220V(1±10% )/50Hz	•
	Running noise: <60dB	•
	Opening time: 6-12S	•
	Operating temperature: -20°C to 55°C	•
	Protection level: IP68	•
	Rated power: 55W	•
	Max torque: 165N.m	•

**Functional Characteristic**

- Past qualify— GB/T 34616 General Technical Requirements Test for pedestrian Automatic Doors.
- Past qualify— JG/T 305 Pedestrian Automatic Door Safety Requirements Test.
- Past qualify— GB/T 4208.
- Past qualify EN16005 EU CE certification.
- Past qualify SGS, DGM inspection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- For both side, one side opening; Stop or move backward when meets obstacle, safe and convenient.
- **Only applicable for double door.**
- Suitable for wooden doors, metal doors, framed doors and other door types .
- Using brushless motor and Hall transducer, long life cycle, low working noise.
- Opening method: fingerprint/ access card/ switch/ sensor/ face recognition opening.

**Standard Products**

BDH80116-02 Double door control panel    BDH80116-04 Door stopper



BDH80116-03 Remote control

BDH80116-05 Wrench



**Standard and simplified illustrations**

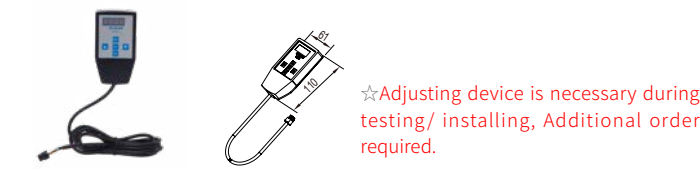


● **Standard**  
○ **Optional**  
★ **Necessary**    page

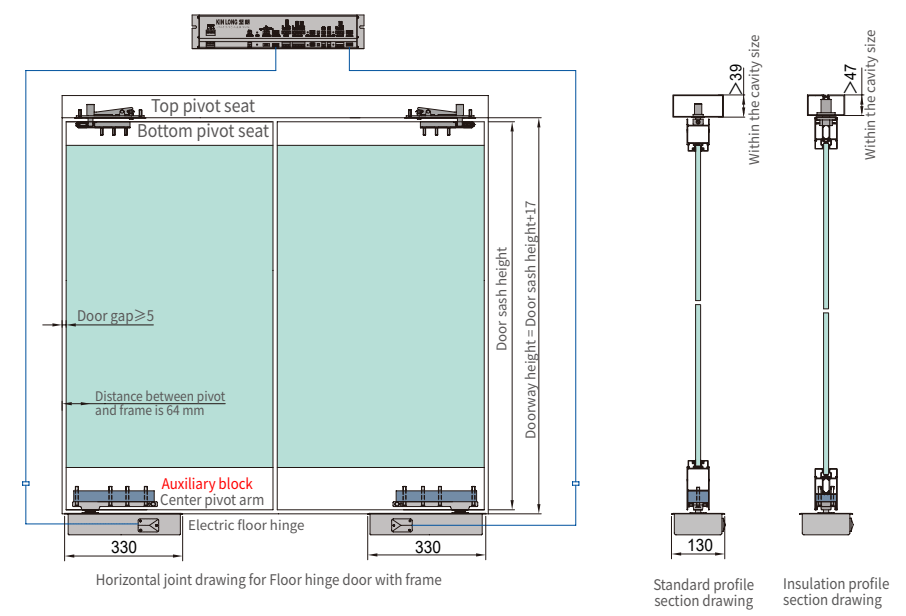
Control panel	●	P8
Remote control	●	P8
Microwave sensor	○	P80
Switch	○	P80
Magnetic lock	○	P306
Laser sensor	○	P85-88
Safety light curtain	○	P81
Contactless switch	○	P83
Door access control machine	○	P308
Backup power	○	P80
Adjusting device	★	P8
10 inch smart door cloud host (Need to configure Android cloud door host power supply)	○	Gemvary Products

☆ Selection instructions  
When the electric floor hinge realizes various functions, it is necessary to order optional accessories according to different functional characteristics. Safety light curtain and sensor installing place should avoid direct sunlight.

**BDP80101 Adjusting device (Necessary)**

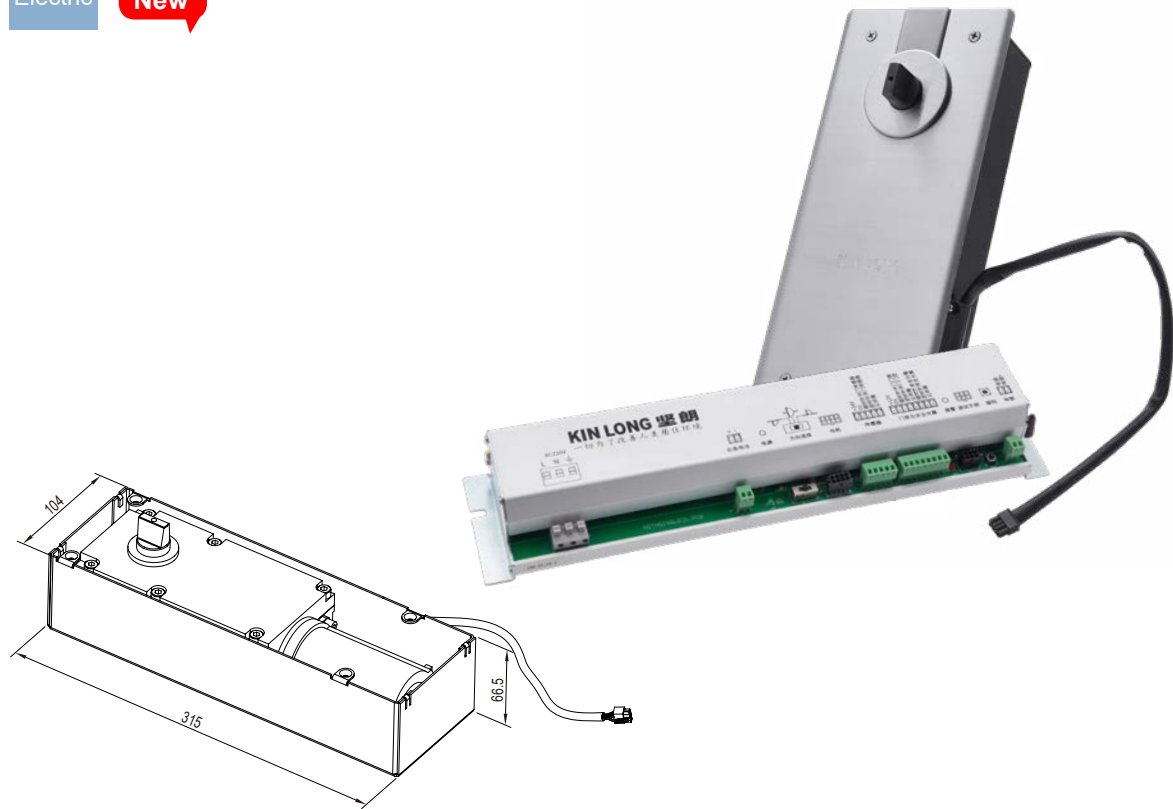


**Installation Diagram**



Note: 1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.

Electric **New**



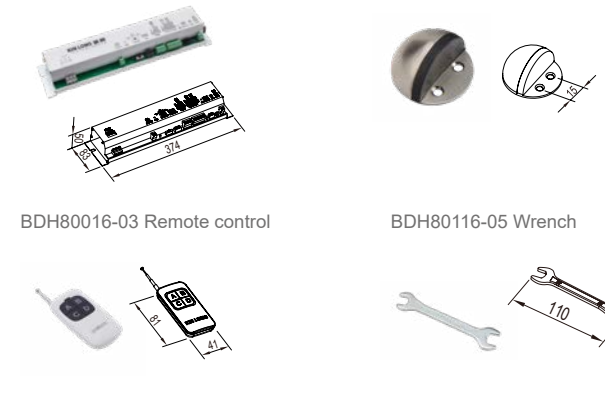
Standard configuration does not include the following accessories)	Product description	BDH80216
BDP30001 Top pivot seat	Positioning type: Remote control 90° positioning	•
	Maximum Loading: 150kg	•
	Door width: 650~1200mm	•
	Life cycle: >1,000,000 Cycles	•
	Max open degree: 90°	•
	Damping strength: The door sash encounters resistance not greater than 116N.m Can stop or reverse open	•
	Waterproof performance: Motor insulation, waterproof, strong corrosion resistance	•
	The output voltage: 12V, 24V	•
	Power supply: AC220V(1±10% )/50Hz	•
	Running noise: <60dB	•
	Opening time: 6-12S	•
	Operating temperature: -20°C to 55°C	•
	Protection level: IP68	•
	Rated power: 55W	•
	Max torque: 165N.m	•

**Functional Characteristic**

- Past qualify— GB/T 34616 General Technical Requirements Test for pedestrian Automatic Doors.
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- Past qualify SGS, DGM inspection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- For both side, one side opening; Stop or move backward when meets obstacle, safe and convenient.
- **Only applicable for single door.**
- Suitable for wooden doors, metal doors, framed doors and other door types.
- Using brushless motor and Hall transducer, long life cycle, low working noise.
- Opening method: fingerprint/ access card/ switch/ sensor/ face recognition opening.

**Standard Products**

BDH80216-01 Single door control panel    BDH80116-04 Door stopper



**Standard and simplified illustrations**

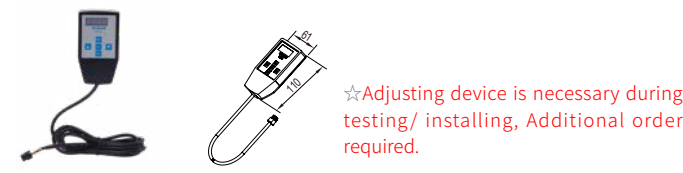


**Additional device (Multifunctional expansion)**

	● Standard ○ Optional ★ Necessary	page
Control panel	●	P10
Remote control	●	P10
Microwave sensor	○	P80
Switch	○	P80
Magnetic lock	○	P306
Laser sensor	○	P85-88
Safety light curtain	○	P81
Contactless switch	○	P83
Door access control machine	○	P308
Backup power	○	P80
Adjusting device	★	P10
10 inch smart door cloud host (Need to configure Android cloud door host power supply)	○	Gemvary Products

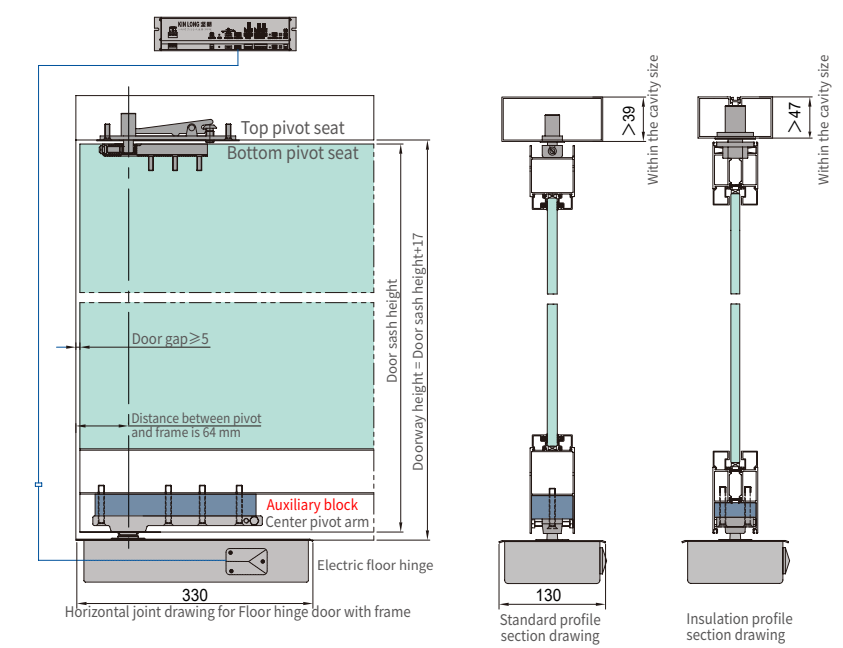
☆Selection instructions  
When the electric floor hinge realizes various functions, it is necessary to order optional accessories according to different functional characteristics.  
Safety light curtain and sensor installing place should avoid direct sunlight.

**BDP80101 Adjusting device (Necessary)**



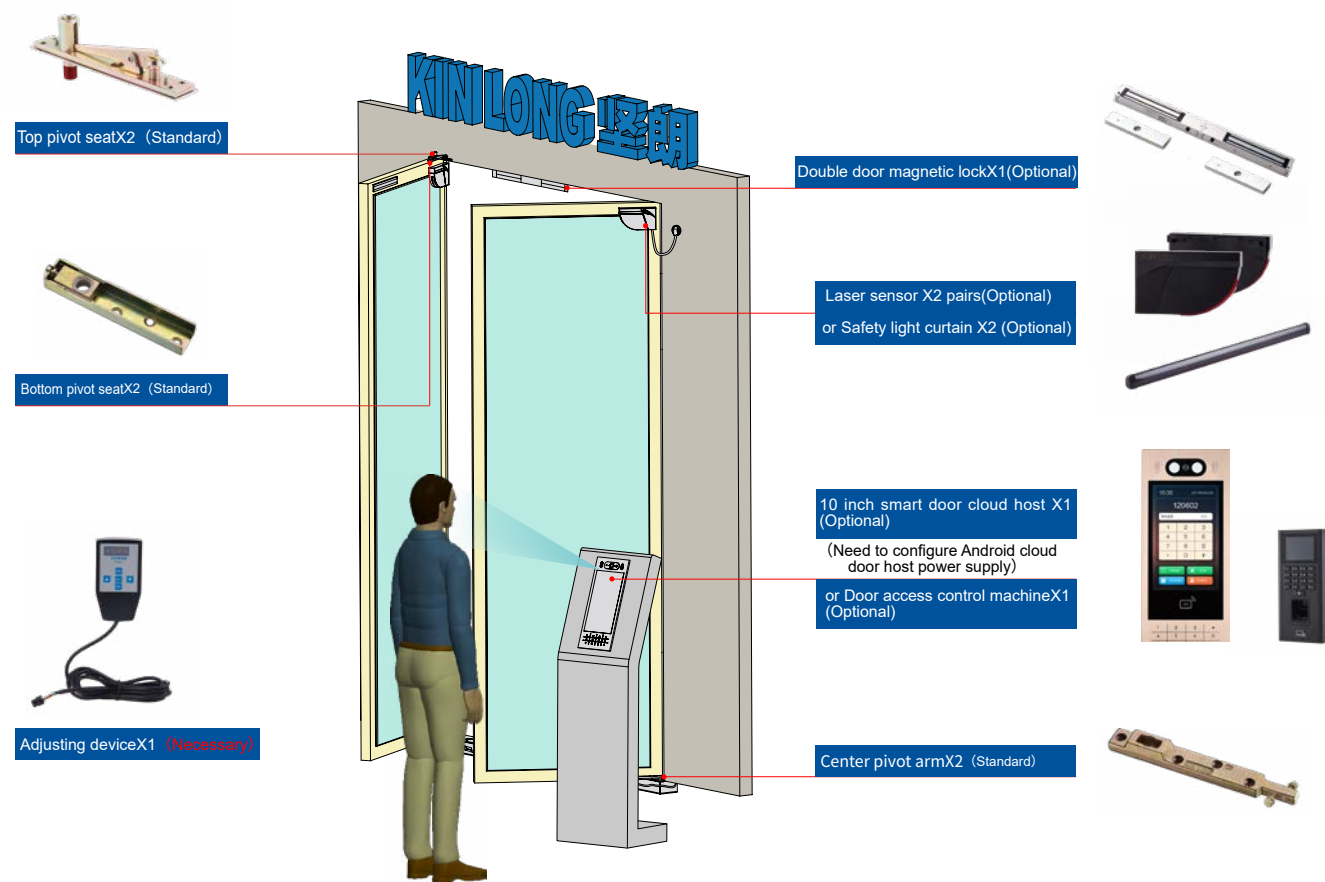
☆Adjusting device is necessary during testing/ installing, Additional order required.

**Installation Diagram**

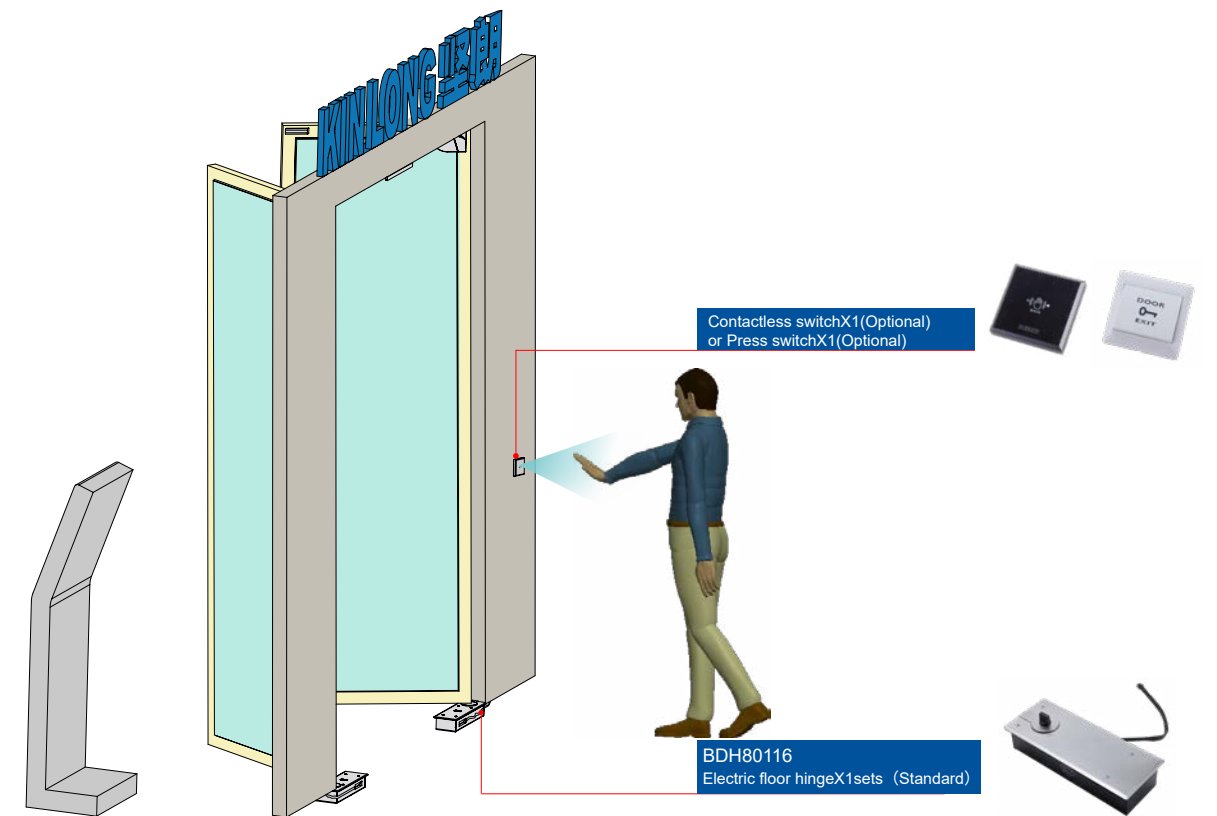


Note: 1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.

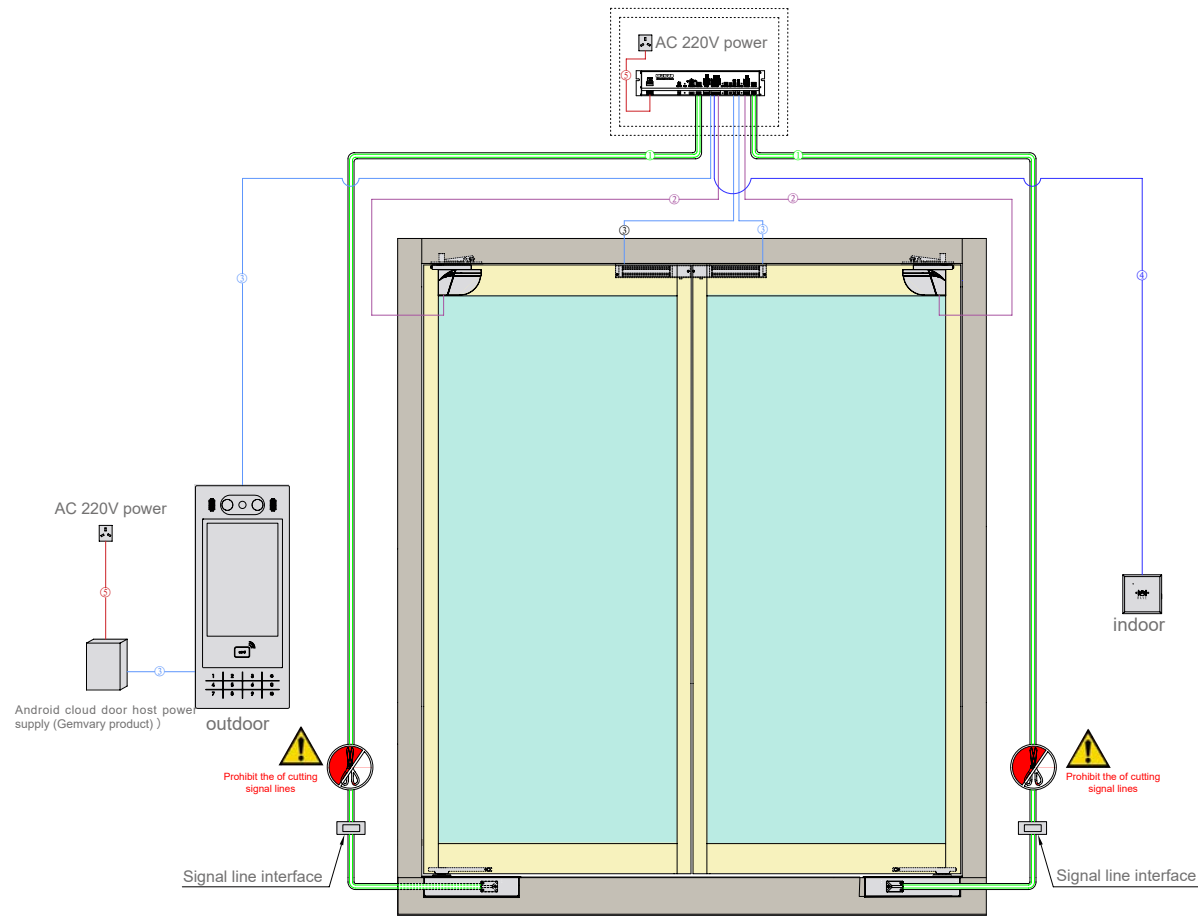
Hardware integrated configuration scheme for electric floor hinge contactless door (outdoor)



Hardware integrated configuration scheme for electric floor hinge contactless door (indoor)



**BDH80116 connection sketch map (double door opening)**



**Note:**

- 1、 Put the filler into the outer box of floor hinge after installing.
- 2、 During installing and connecting wires, making sure the signal wire port is at least 10cm higher than the floor, to prevent water-leaking and causing malfunction.

**◆ The Illustration and Requirements for Installation of Electric Floor Hinge:**

- ① =RVV-8×0.5mm<sup>2</sup>, optional wire tube φ30mm pull wire (the electric floor hinge comes with a signal wire length of 8 meters as standard The distance exceeds the standard, non-standard customization is required, and the total length can be extended to 15m)
  - ② =RVV-6×0.5mm<sup>2</sup>, optional cable tube φ20mm cable(Laser sensor comes with a signal wire)
  - ③ =RVV-2×0.5mm<sup>2</sup>, optional cable tube φ20mm cable
  - ④ =RVV-4×0.5mm<sup>2</sup>, optional cable tube φ20mm cable
  - ⑤ =RVV-3×1.5mm<sup>2</sup>, optional cable tube φ20mm cable
- Cable information is reasonably pulled according to the actual situation on site

**◆ Main notice for installation and construction:**

- 1.the electric floor hinge comes with a signal wire length of 8 meters as standard The distance exceeds the standard, non-standard customization is required, and the total length can be extended to 15m.
- 2.It is forbidden to cut the signal wire of the electric floor hinge, so as to avoid abnormal products, which may cause breakage during the construction process and need to be replaced

**◆ Disclaimer:**

1. Under power-on conditions, the product itself has the function of automatically opening and closing the door, and it is forbidden to apply external force to force the door to open and close
- 2.It is forbidden to cut the signal wire of the electric floor hinge. KIN LONG will not bear any responsibility for abnormal use caused by the cutting signal wire
- 3.Due to differences in voltage, current, power and other factors in electronic products, there is no guarantee that other companies' electronic products can be used with our electric floor hinges KIN LONG's electric floor hinges are used in conjunction with any abnormalities, KIN LONG will not bear any responsibility

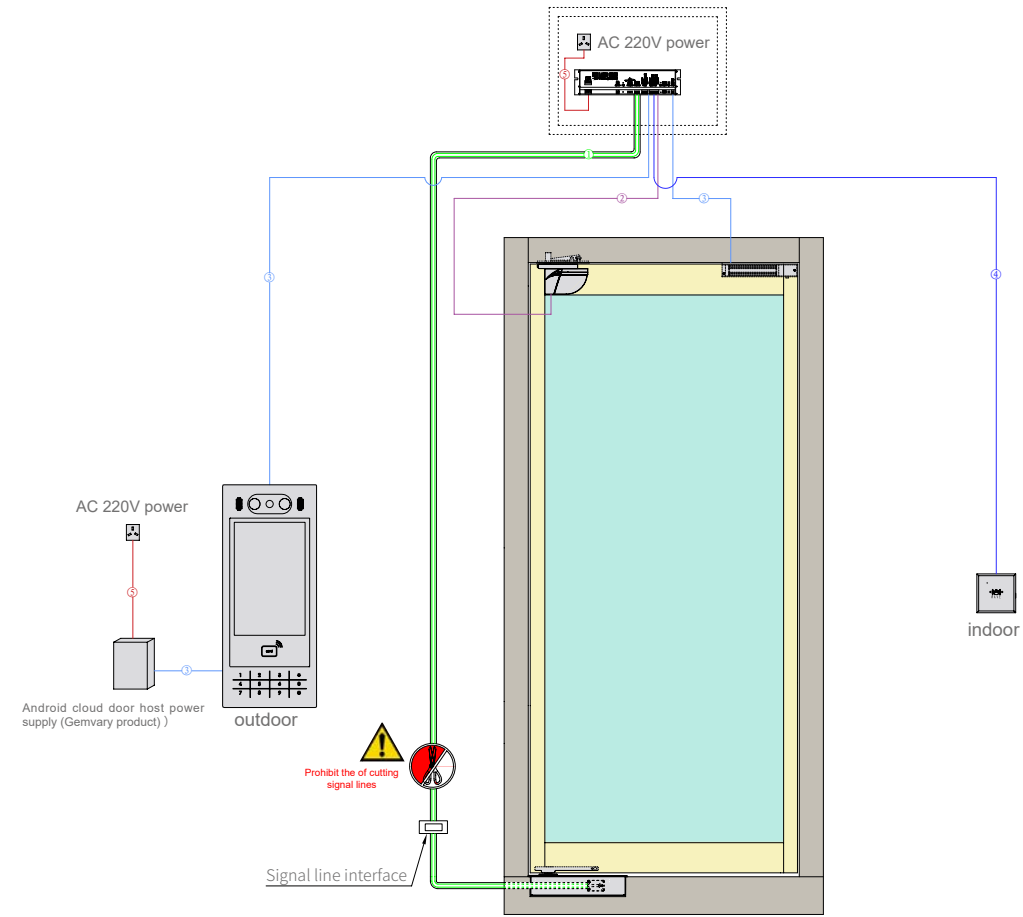
**Electric floor hinge threading construction steps:**

1. Determine the location of the unit and slot the ground according to the overall dimensions of the floor hinge
2. Choose a PVC threading pipe with an inner diameter Of 30mm for pre-embedding
- 3.All wires should be arranged on the green tube and each end size should connect with the wire port.
4. Determine the location of the unit and fix it

**Design description of access opening:**

- 1、 The electric floor hinge controller should be set with a dedicated inspection port for placing the electric floor hinge controller
- 2、 The size of the inspection port should meet 500mm\*100mm\*100mm
- 3、 The inspection location is designed by the construction unit and the customer, and the distance between the inspection port and the main body of the floor hinge is within the range of the signal line

**BDH80216 connection sketch map (single door opening)**



**Note:**

- 1、 Put the filler into the outer box of floor hinge after installing.
- 2、 During installing and connecting wires, making sure the signal wire port is at least 10cm higher than the floor, to prevent water-leaking and causing malfunction.

**◆ The Illustration and Requirements for Installation of Electric Floor Hinge:**

- ① =RVV-8×0.5mm<sup>2</sup>, optional wire tube φ30mm pull wire (the electric floor hinge comes with a signal wire length of 8 meters as standard The distance exceeds the standard, non-standard customization is required, and the total length can be extended to 15m)
  - ② =RVV-6×0.5mm<sup>2</sup>, optional cable tube φ20mm cable(Laser sensor comes with a signal wire)
  - ③ =RVV-2×0.5mm<sup>2</sup>, optional cable tube φ20mm cable
  - ④ =RVV-4×0.5mm<sup>2</sup>, optional cable tube φ20mm cable
  - ⑤ =RVV-3×1.5mm<sup>2</sup>, optional cable tube φ20mm cable
- Cable information is reasonably pulled according to the actual situation on site

**◆ Main notice for installation and construction:**

- 1.the electric floor hinge comes with a signal wire length of 8 meters as standard The distance exceeds the standard, non-standard customization is required, and the total length can be extended to 15m.
- 2.It is forbidden to cut the signal wire of the electric floor hinge, so as to avoid abnormal products, which may cause breakage during the construction process and need to be replaced

**◆ Disclaimer:**

1. Under power-on conditions, the product itself has the function of automatically opening and closing the door, and it is forbidden to apply external force to force the door to open and close
- 2.It is forbidden to cut the signal wire of the electric floor hinge. KIN LONG will not bear any responsibility for abnormal use caused by the cutting signal wire
- 3.Due to differences in voltage, current, power and other factors in electronic products, there is no guarantee that other companies' electronic products can be used with our electric floor hinges KIN LONG's electric floor hinges are used in conjunction with any abnormalities, KIN LONG will not bear any responsibility

**Electric floor hinge threading construction steps:**

1. Determine the location of the unit and slot the ground according to the overall dimensions of the floor hinge
2. Choose a PVC threading pipe with an inner diameter Of 30mm for pre-embedding
- 3.All wires should be arranged on the green tube and each end size should connect with the wire port.
4. Determine the location of the unit and fix it

**Design description of access opening:**

- 1、 The electric floor hinge controller should be set with a dedicated inspection port for placing the electric floor hinge controller
- 2、 The size of the inspection port should meet 500mm\*100mm\*100mm
- 3、 The inspection location is designed by the construction unit and the customer, and the distance between the inspection port and the main body of the floor hinge is within the range of the signal line



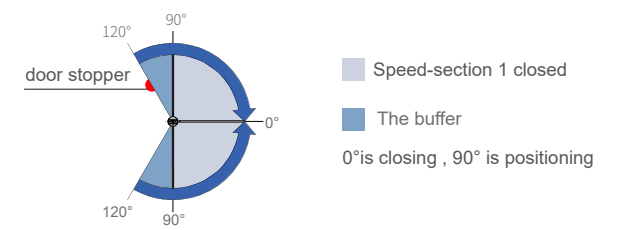
two-dimensional 120° Single One



### Functional Characteristic

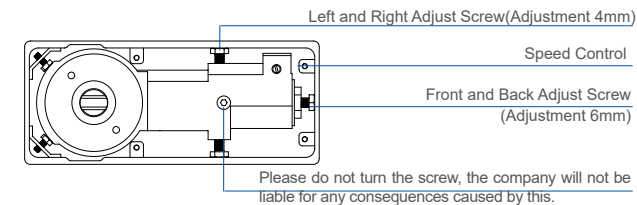
- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

### Application Performance



Graphics HD101, HDF101 has not 90°hold function.  
To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

### Adjustment diagram

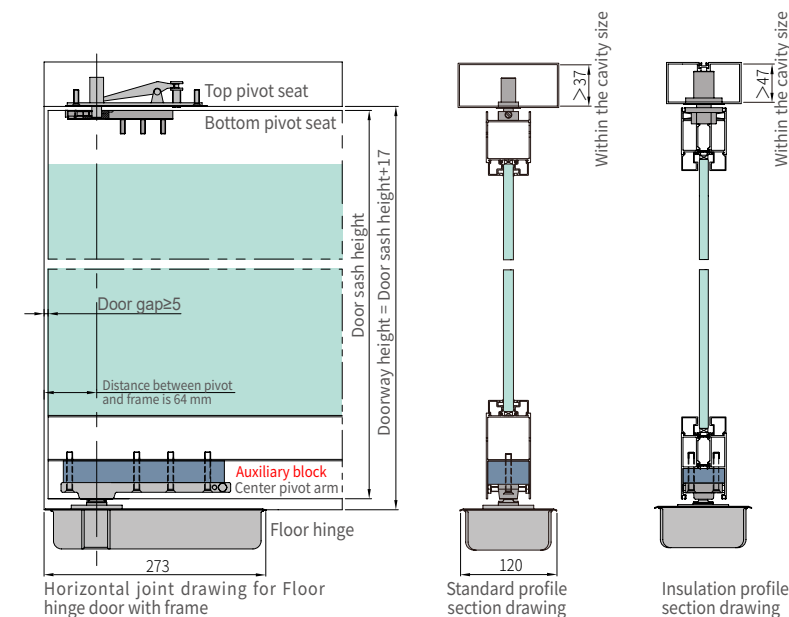


### Spindle can be heightened(Please remark before ordering if required)



Standard configuration does not include the following accessories)	Product description	HD101	HDF101
DS05 Top pivot seat	90°Hold	●	
	Non-hold		●
	Door width	650~1050mm	●
	Maximum Loading	100kg	●
	Life cycle	>500,000 Cycles	●
	Main Material	Main body-Gray cast-iron; Cover plate—SS304	●
	Speed control	One speed section	●
	Suitable Temperature	-15°C~40°C	●
	Surface of the cover plate	400#Hairline	●
	Max open degree	120°	●
	Structure of main body	Single cylinder	●
	Cover plate thickness	1.2mm	●
	Spindle	14°	●
		6°	●

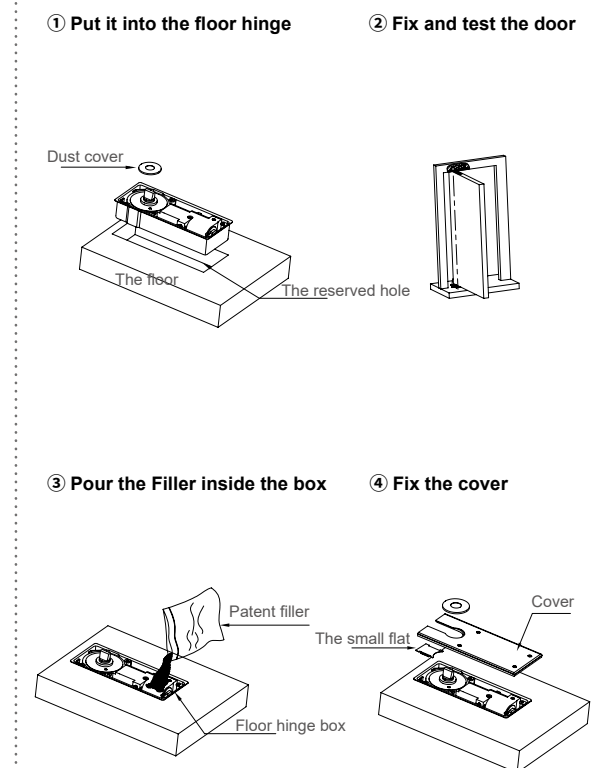
### Installation Diagram and Product Drawing



Note: 1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.

- ◆ When it is used for the wooden door, metal door, frame door, please select the standard accessories.
- ◆ When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

### Filler Application Instruction



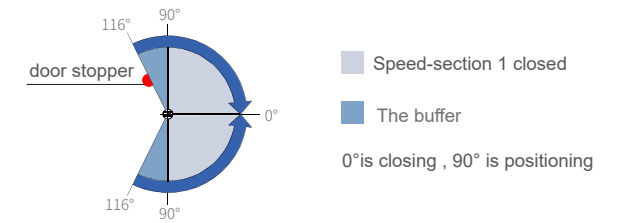
Two-dimensional 116° Single One



### Functional Characteristic

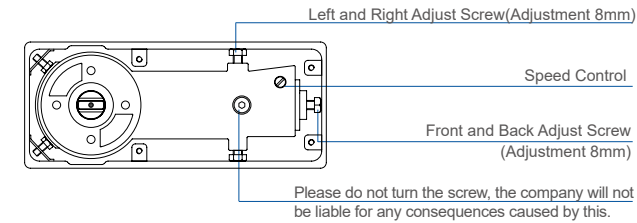
- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

### Application Performance

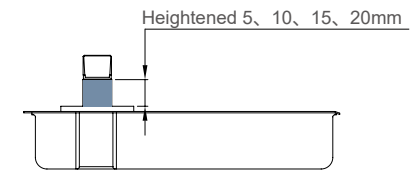


To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

### Adjustment diagram

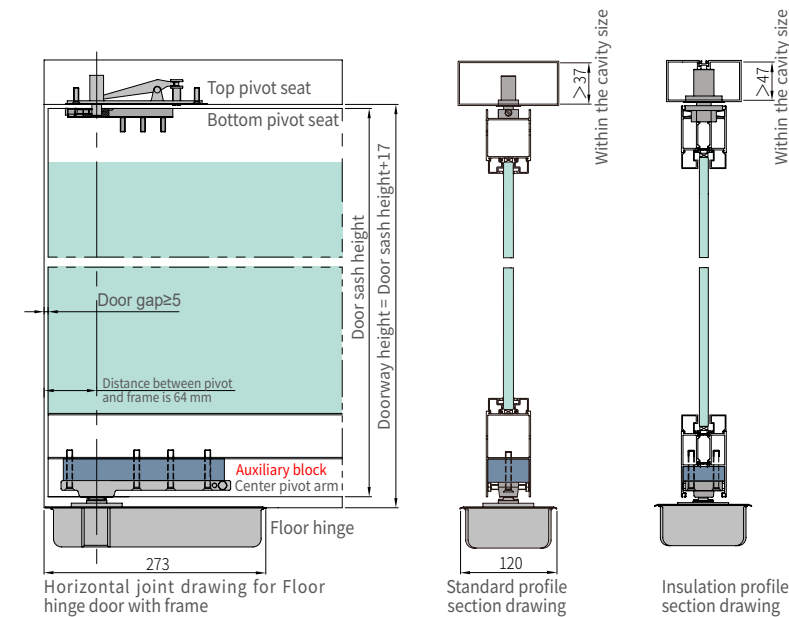


### Spindle can be heightened(Please remark before ordering if required)



Standard configuration does not include the following accessories)	Product description	HD102
DS05 Top pivot seat	Positioning type 90°Hold	●
	Door width 650~900mm	●
	Maximum Loading 90kg	●
	Life cycle >300,000 Cycles	●
	Main Material Main body-Gray cast-iron; Cover plate—SS304	●
	Speed control One speed section	●
	Suitable Temperature -15°C~40°C	●
	Surface of the cover plate 400#Hairline	●
	Max open degree 116°	●
	Structure of main body Single cylinder	●
	Cover plate thickness 1.2mm	●
	Spindle 14°	●
	Spindle 6°	●

### Installation Diagram and Product Drawing

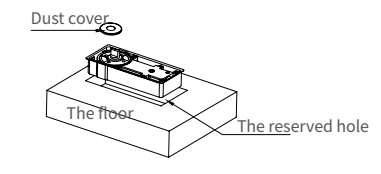


Note: 1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.

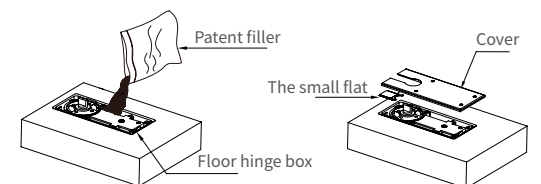
- ◆ When it is used for the wooden door, metal door, frame door, please select the standard accessories.
- ◆ When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

### Filler Application Instruction

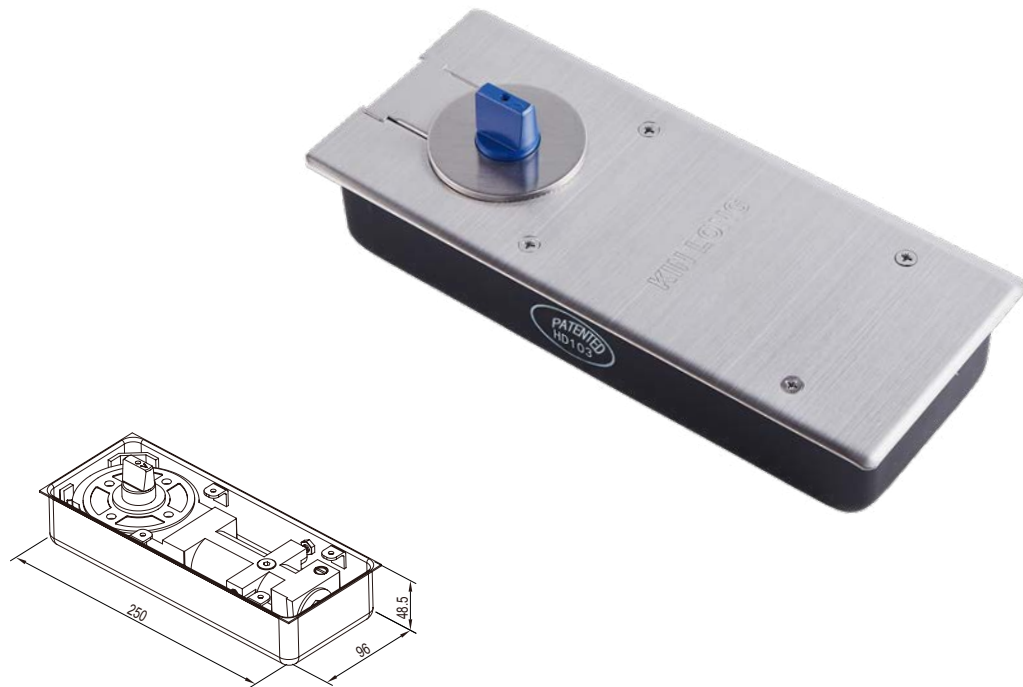
- Put it into the floor hinge
- Fix and test the door



- Pour the Filler inside the box
- Fix the cover



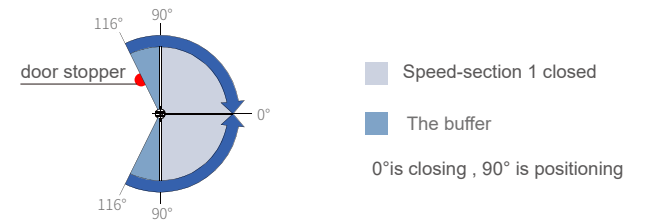
Two-dimensional 116° Single One



Functional Characteristic

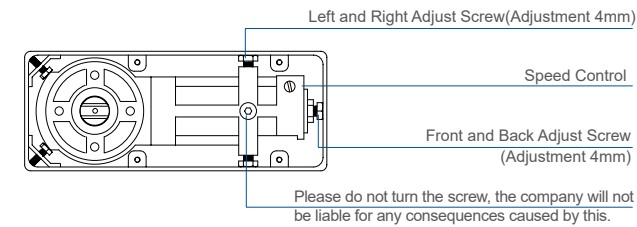
- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

Application Performance

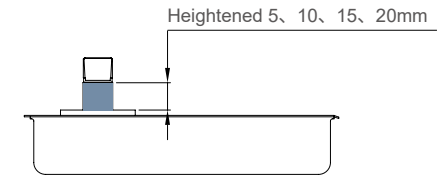


Graphics HD103, BDH10003 has not 90°hold function. To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

Adjustment diagram

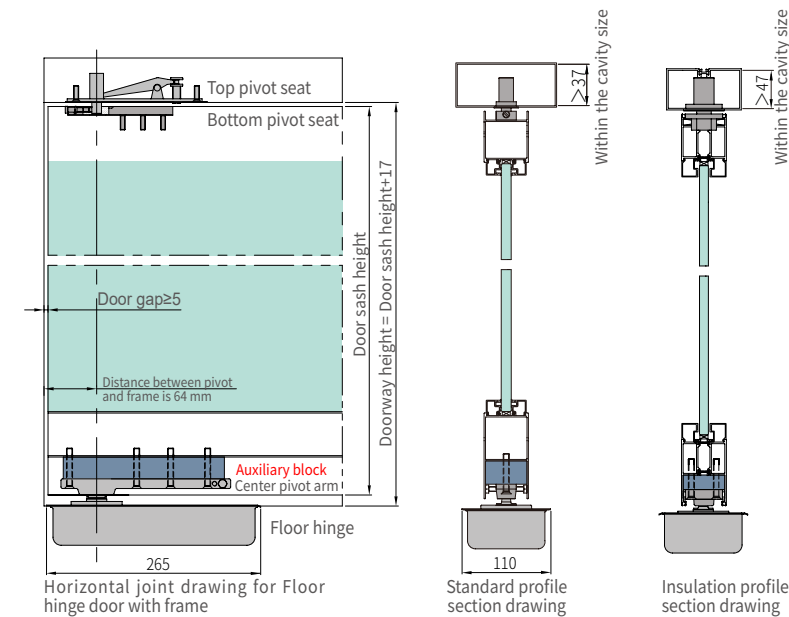


Spindle can be heightened(Please remark before ordering if required)



Standard configuration does not include the following accessories)		Product description	HD103	BDH10003
DS05 Top pivot seat 	Positioning type	90°Hold	●	
		Non-hold		●
DX05 Bottom pivot seat 	Door width	600~950mm	●	●
	Maximum Loading	65kg	●	●
	Life cycle	>300,000 Cycles	●	●
	Main Material	Main body-Gray cast-iron; Cover plate—SS304	●	●
DY05 Center pivot arm 	Speed control	One speed section	●	●
	Suitable Temperature	-15°C~40°C	●	●
	Surface of the cover plate	400#Hairline	●	●
Structure of main body	Max open degree	116°	●	●
	Structure of main body	Single cylinder	●	●
	Cover plate thickness	1.2mm	●	●
	Spindle		14°	●
		6°	●	●

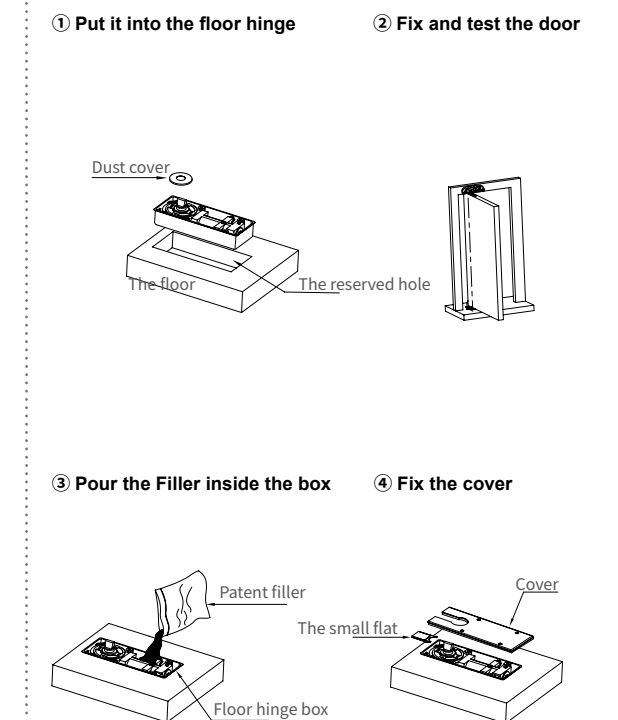
Installation Diagram and Product Drawing



Note: 1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.

- ◆ When it is used for the wooden door, metal door, frame door, please select the standard accessories.
- ◆ When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

Filler Application Instruction



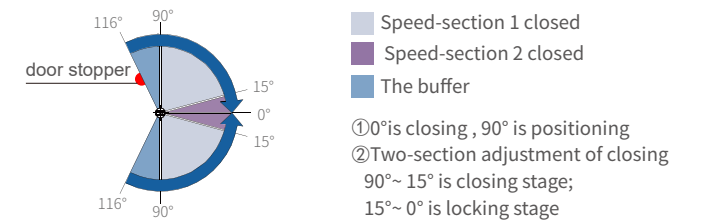
Two-dimensional 116° Single Two



**Functional Characteristic**

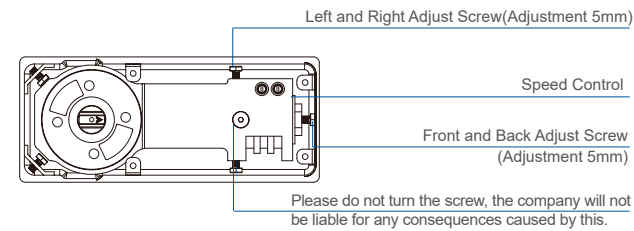
- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

**Application Performance**

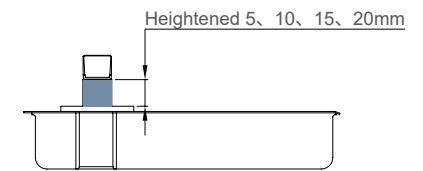


Graphics has 90°hold function.  
To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

**Adjustment diagram**

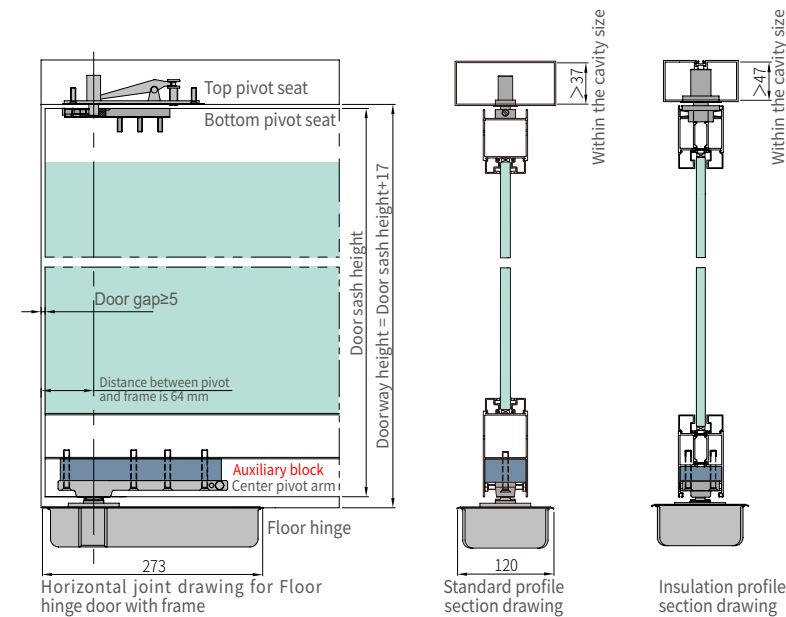


**Spindle can be heightened(Please remark before ordering if required)**



Standard configuration does not include the following accessories)	Product description	HD201
DS05 Top pivot seat	Positioning type 90°Hold	●
	Door width 650~1050mm	●
	Maximum Loading 90kg	●
	Life cycle >500,000 Cycles	●
	Main Material Main body-Gray cast-iron; Cover plate—SS304	●
DX05 Bottom pivot seat	Speed control One speed section	●
	Suitable Temperature -15°C~40°C	●
	Surface of the cover plate 400#Hairline	●
	Max open degree 116°	●
DY05 Center pivot arm	Structure of main body Single cylinder	●
	Cover plate thickness 1.2mm	●
	Spindle 14°	●
	Spindle 6°	●

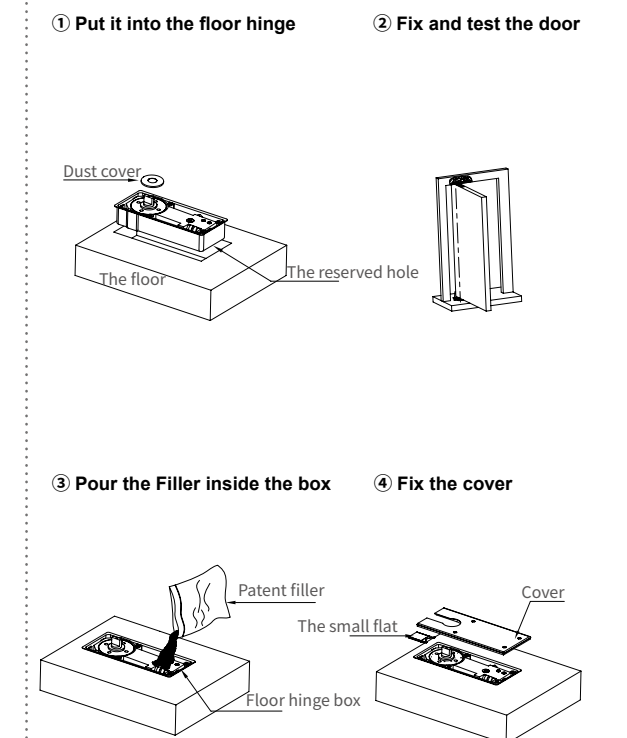
**Installation Diagram and Product Drawing**



Note :1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.

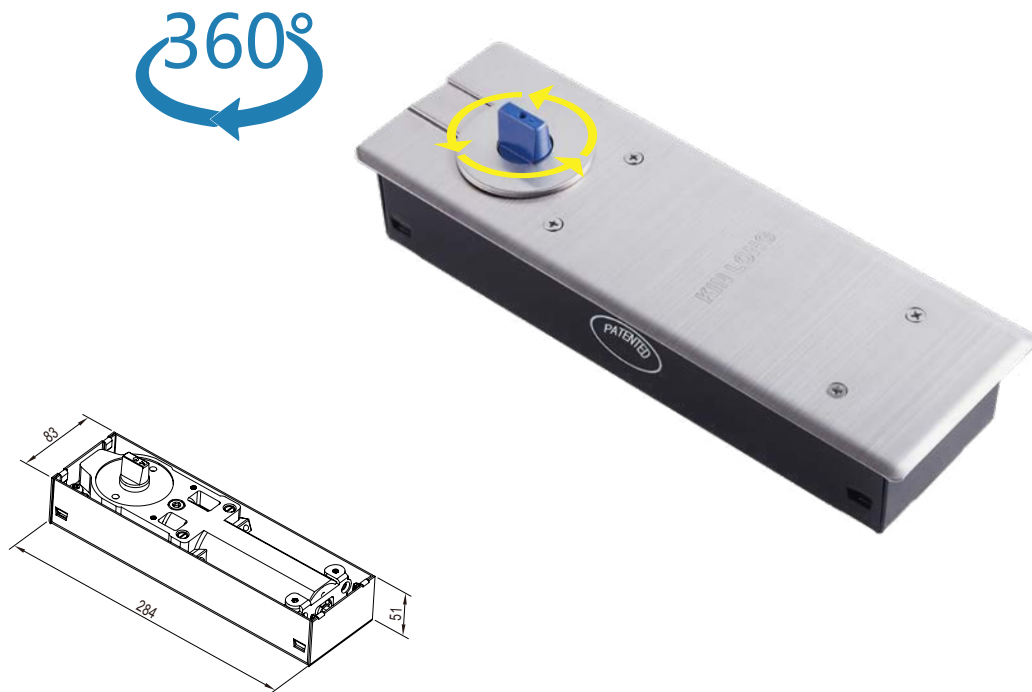
- ◆ When it is used for the wooden door, metal door, frame door, please select the standard accessories.
- ◆ When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

**Filler Application Instruction**





Three-dimensional Ultra narrow Adjustable 360° Single Two

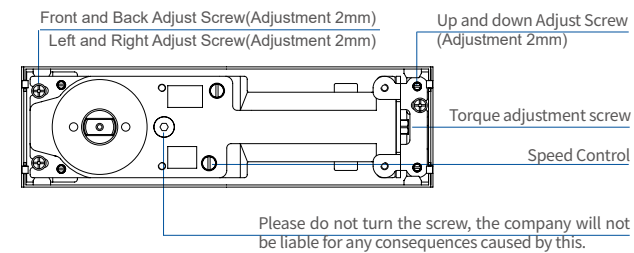


Standard configuration does not include the following accessories)	Product description	BDH20114
BDP30001 Top pivot seat	Positioning type 90°Hold	●
	Door width 650~750mm(Unilateral)	●
	Maximum Loading 85~100kg	●
	Life cycle >500,000 Cycles	●
	Main Material Main body-Gray cast-iron; Cover plate—SS304	●
DX03 Bottom pivot seat	Speed control Two speed section	●
	Suitable Temperature -15°C~40°C	●
	Surface of the cover plate 400#Hairline	●
	Max open degree 360°	●
DY05 Center pivot arm	Structure of main body Single cylinder	●
	Cover plate thickness 2.0mm	●
	Spindle 14°	●
	6°	●

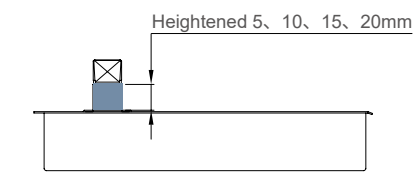
**Functional Characteristic**

- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- Suit for wooden door, metal door, glass door, frame door.

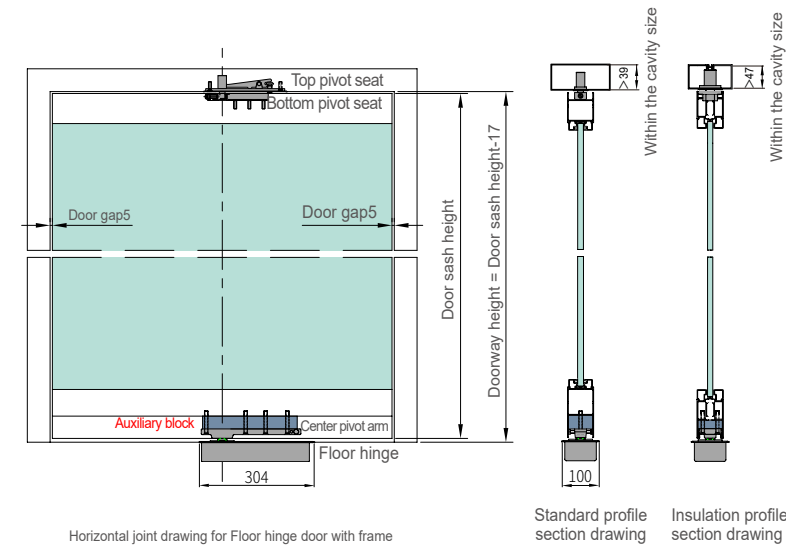
**Adjustment diagram**



**Spindle can be heightened(Please remark before ordering if required)**

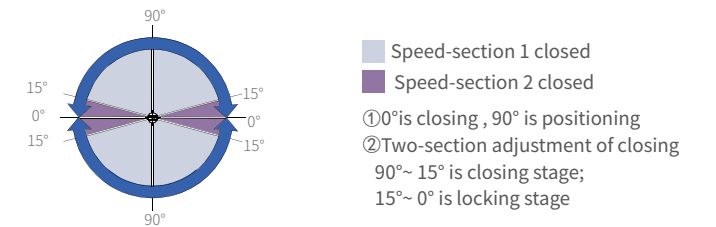


**Installation Diagram and Product Drawing**



Note :1.Standard product has no auxiliaryblock, the thickness of auxiliary block is based on the cavity of profile.  
2.Insulation profile accessories need to be purchased separately, technical parameters as Page 55.

**Application Performance**



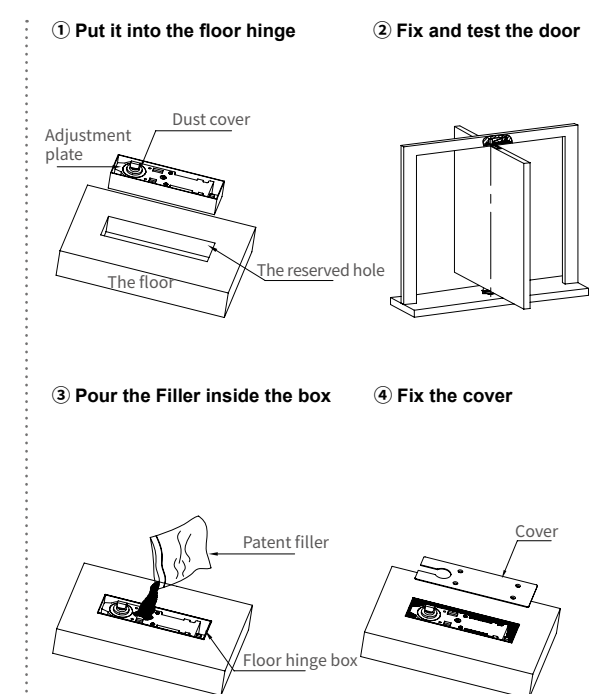
**Torque adjustment table**

Category	Adjust the number of turns
2	-3
3	0

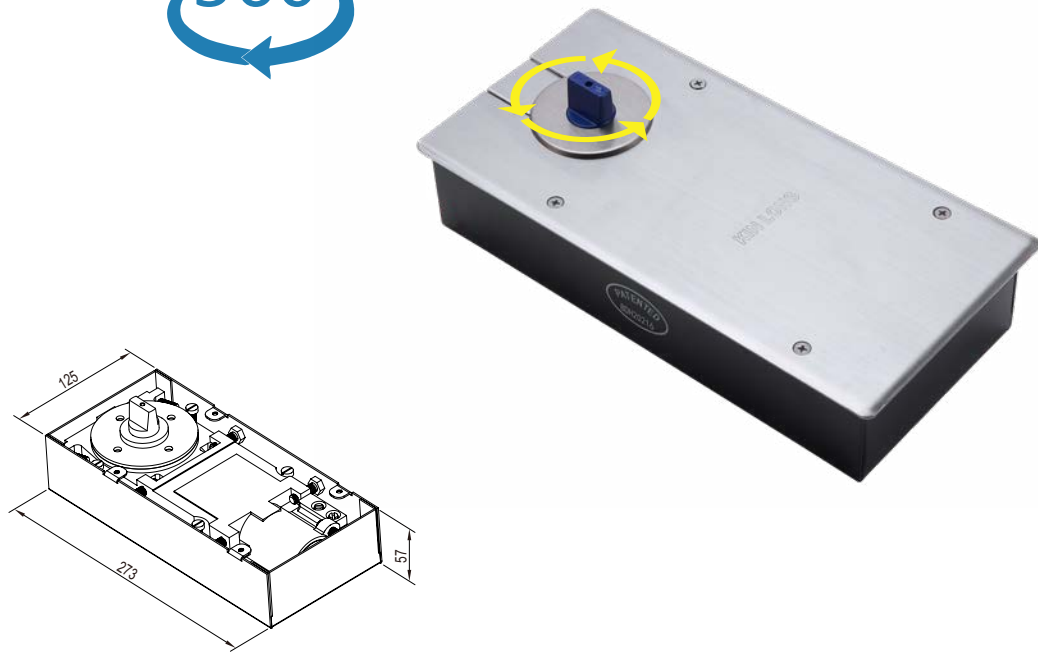
Note: "3" force is set before ship out

Torque increase (+) / Torque decreases (-)

**Filler Application Instruction**



Three-dimensional 360° Single Two **New**

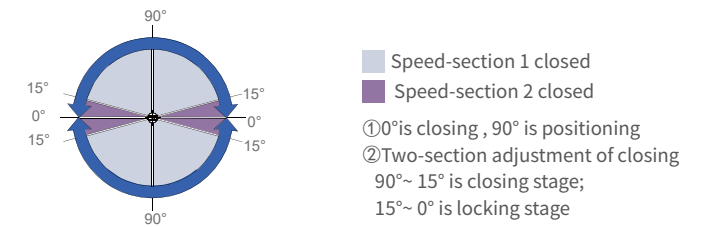


Standard configuration does not include the following accessories)	Product description	BDH20216
BDP30001 Top pivot seat	Positioning type 90°Hold	•
	Door width 650~750mm(Unilateral)	•
	Maximum Loading 150Kg	•
	Life cycle >500,000 Cycles	•
	Main Material Main body-Gray cast-iron; Cover plate-SS304	•
DX03 Bottom pivot seat	Speed control -15°C~40°C	•
	Suitable Temperature Two speed section	•
	Surface of the cover plate 400#Hairline	•
DY05 Center pivot arm	Max open degree 360°	•
	Structure of main body Single cylinder	•
	Cover plate thickness 2.0mm	•
	Spindle 14°	•
	6°	•

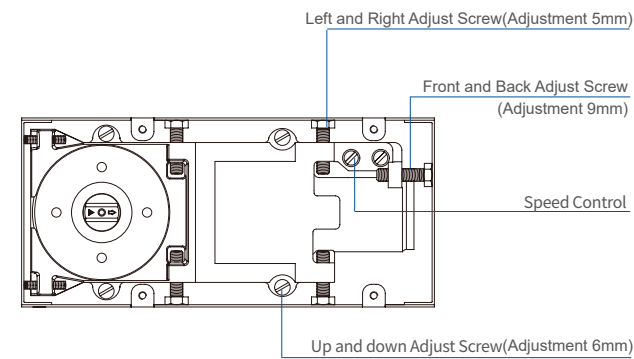
**Functional Characteristic**

- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- Suit for wooden door, metal door, glass door, frame door.

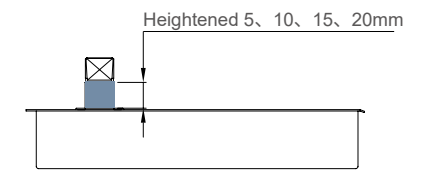
**Application Performance**



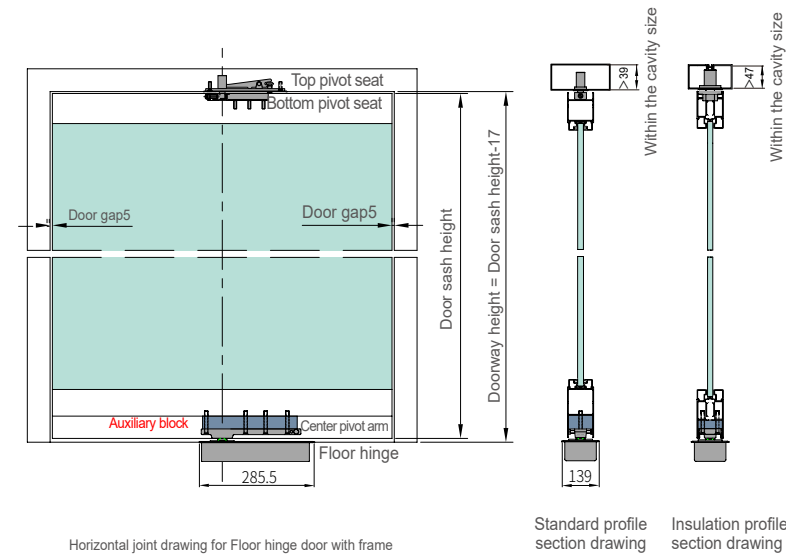
**Adjustment diagram**



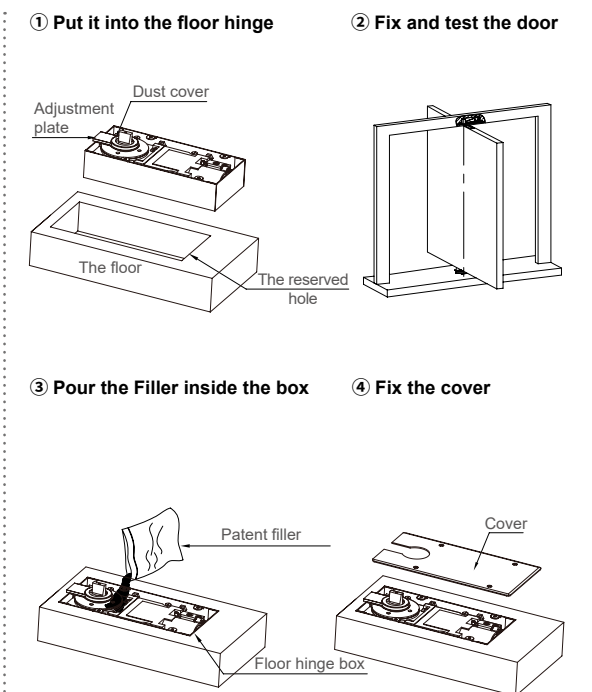
**Spindle can be heightened(Please remark before ordering if required)**



**Installation Diagram and Product Drawing**



**Filler Application Instruction**

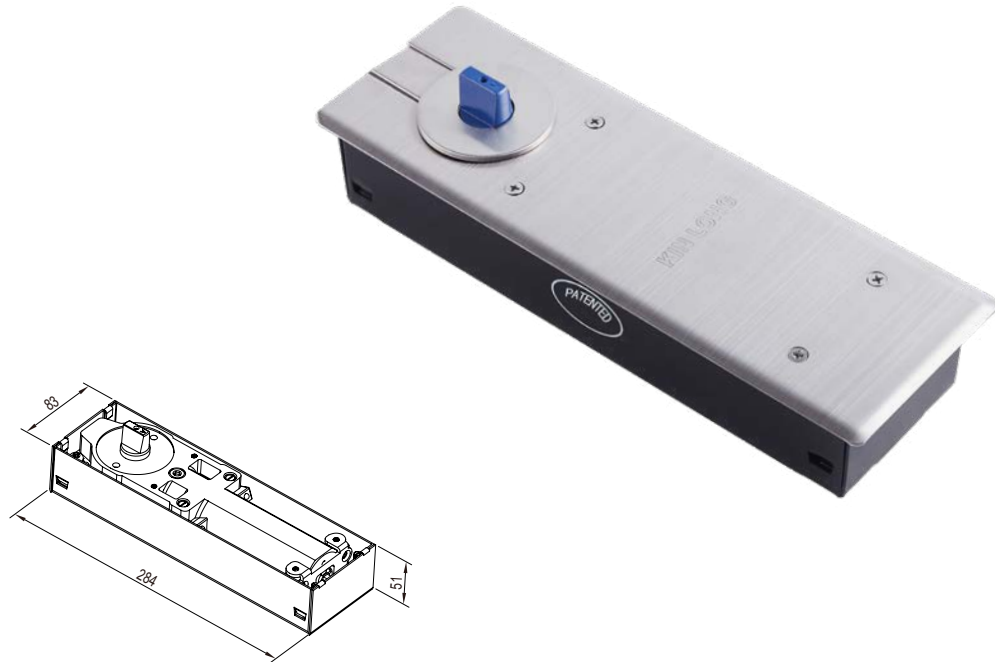


Note :1.Standard product has no auxiliaryblock, the thickness of auxiliary block is based on the cavity of profile.  
2.Insulation profile accessories need to be purchased separately, technical parameters as Page 55.



Three-dimensional Ultra narrow Adjustable 130° Single Two

Floor Hinge

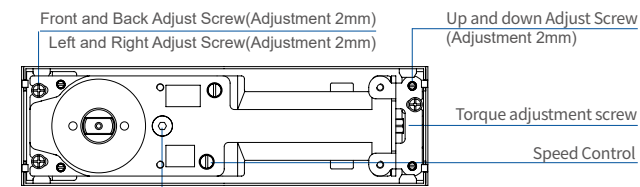


Standard configuration does not include the following accessories)	Product description	BDH20214	BDH20204
BDP30001 Top pivot seat	Positioning type	●	●
	90° Hold	●	
	Non-hold		●
	Door width	●	●
	650~1050mm	●	●
	Maximum Loading	●	●
	85~100kg	●	●
	Life cycle	●	●
	>500,000 Cycles	●	●
DX03 Bottom pivot seat	Main Material	●	●
	Main body-Gray cast-iron; Cover plate—SS304	●	●
	Speed control	●	●
	Two speed section	●	●
	Suitable Temperature	●	●
	-15°C~40°C	●	●
	Surface of the cover plate	●	●
	400#Hairline	●	●
	Max open degree	●	●
	130°	●	●
DY05 Center pivot arm	Structure of main body	●	●
	Single cylinder	●	●
	Cover plate thickness	●	●
	2.0mm	●	●
	Spindle	●	●
	14°	●	●
	6°	●	●

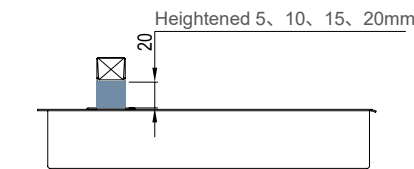
**Functional Characteristic**

- Passed the test of industrial standard QB/T 2697
- Passed the test of SGS & DGM
- Passed the test of EN1154 standard of door closing detection
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention
- It can be used on both left and right side door
- Bidirection opening and the single side opening should be achieved by auxiliary method
- Suit for wooden door, metal door, glass door, frame door
- Adjustable torque: the opening force can be adjusted according to the size and weight of the door

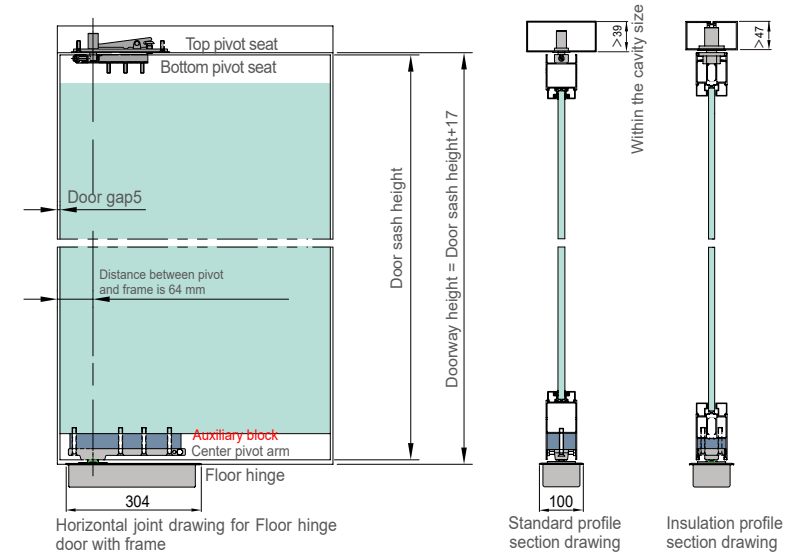
**Installation Diagram and Product Drawing**



Spindle can be heightened(Please remark before ordering if required)

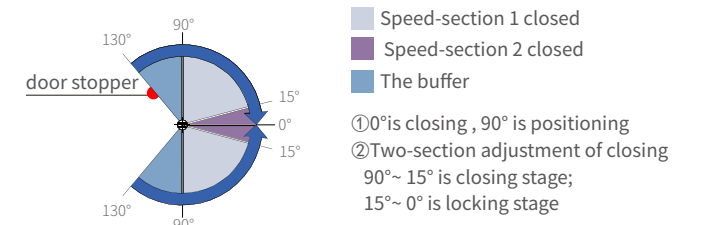


**Installation Diagram and Product Drawing**



- Note :1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
 2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.
- ◆ When it is used for the wooden door, metal door, frame door, please select the standard accessories.
  - ◆ When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

**Application Performance**



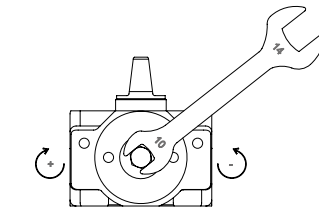
Graphics BDH20214, BDH20204 has not 90°hold function.  
 To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

**Torque adjustment table**

Category	Adjust the number of turns
2	-3
3	0

Note: "3" force is set before ship out

Torque increase (+) Torque decreases (-)

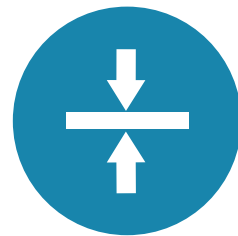
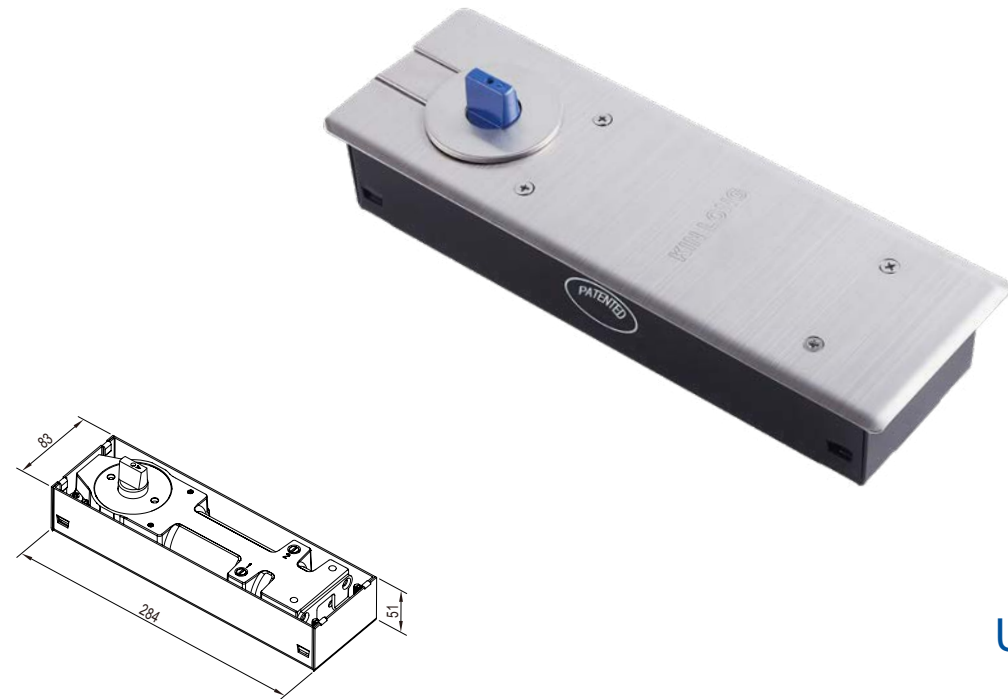


**Filler Application Instruction**

- Put it into the floor hinge
- Fix and test the door
- Pour the Filler inside the box
- Fix the cover

Three-dimensional 130° Single Two

Floor Hinge



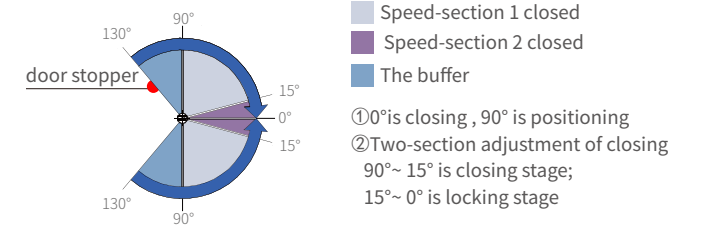
Ultra narrow body

Standard configuration does not include the following accessories)		Product description	BDH20314	BDH20304	BDH20315	BDH20305
BDP30001 Top pivot seat	Positioning type	90°Hold	●		●	
		Non-hold		●		●
DX03 Bottom pivot seat	Door width	650~1050mm	●	●		●
		800~1200mm			●	●
DY05 Center pivot arm	Maximum Loading	100kg	●	●		●
		130kg			●	●
DY05 Center pivot arm	Life cycle	>500,000 Cycles	●	●	●	●
	Main Material	Main body-Gray cast-iron; Cover plate—SS304	●	●	●	●
DY05 Center pivot arm	Speed control	Two speed section	●	●	●	●
	Suitable Temperature	-15°C~40°C	●	●	●	●
DY05 Center pivot arm	Surface of the cover plate	400#Hairline	●	●	●	●
	Max open degree	130°	●	●	●	●
DY05 Center pivot arm	Structure of main body	Single cylinder	●	●	●	●
	Cover plate thickness	2.0mm	●	●	●	●
DY05 Center pivot arm	Spindle	14°	●	●	●	●
		6°	●	●	●	●

Functional Characteristic

- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

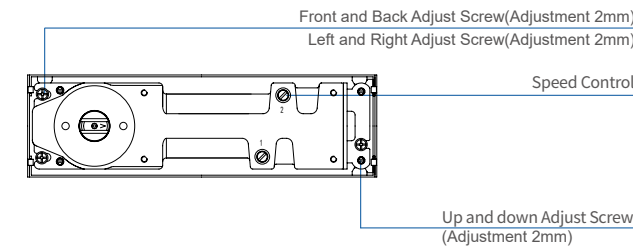
Application Performance



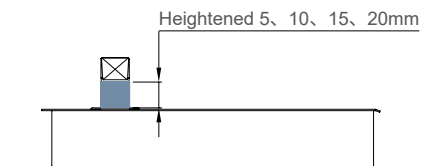
Graphics has 90°hold function.

To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

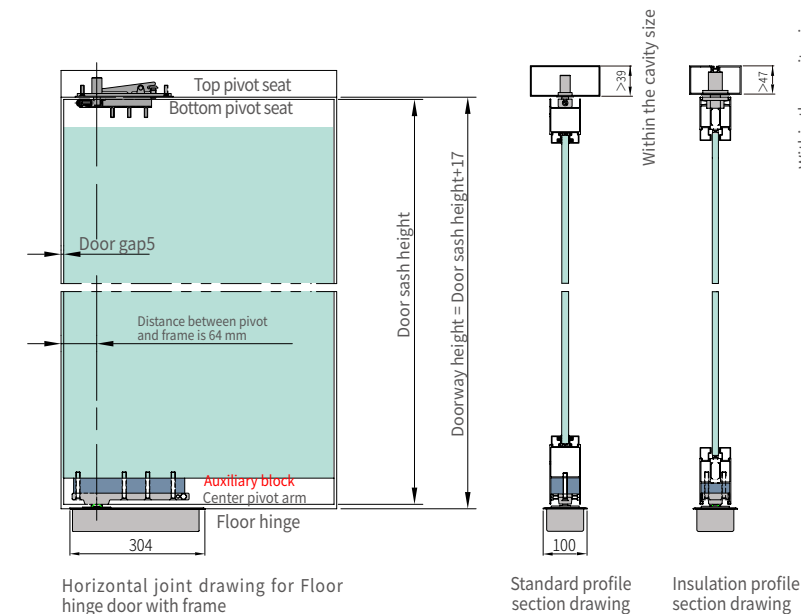
Adjustment diagram



Spindle can be heightened(Please remark before ordering if required)

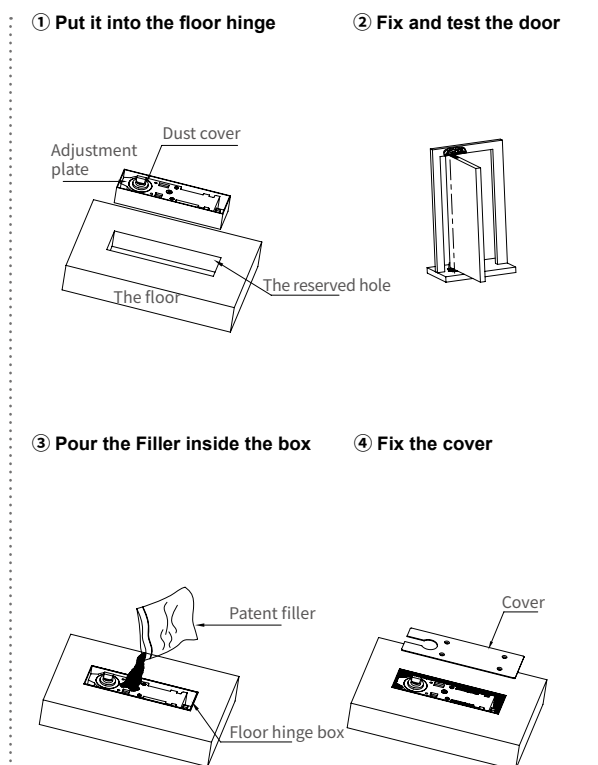


Installation Diagram and Product Drawing



- Note :1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
 2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.
- ◆ When it is used for the wooden door, metal door, frame door, please select the standard accessories.
  - ◆ When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

Filler Application Instruction



Floor Hinge

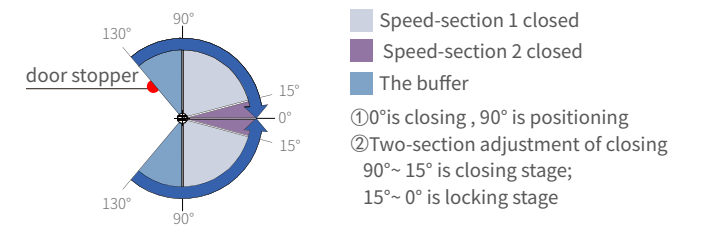
Three-dimensional 130° Single Two



Functional Characteristic

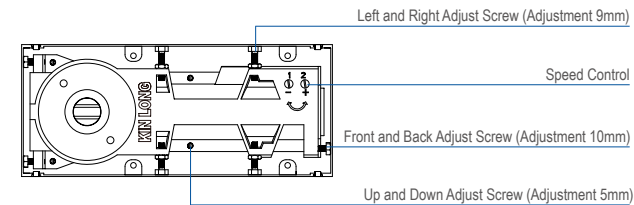
- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

Application Performance

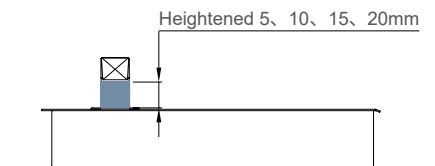


Graphics has 90° hold function.  
To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

Adjustment diagram

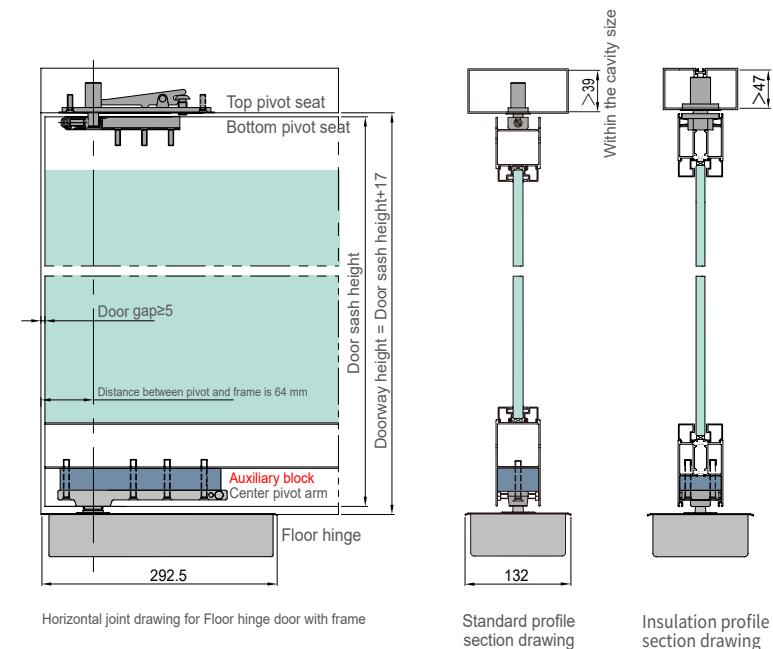


Spindle can be heightened (Please remark before ordering if required)



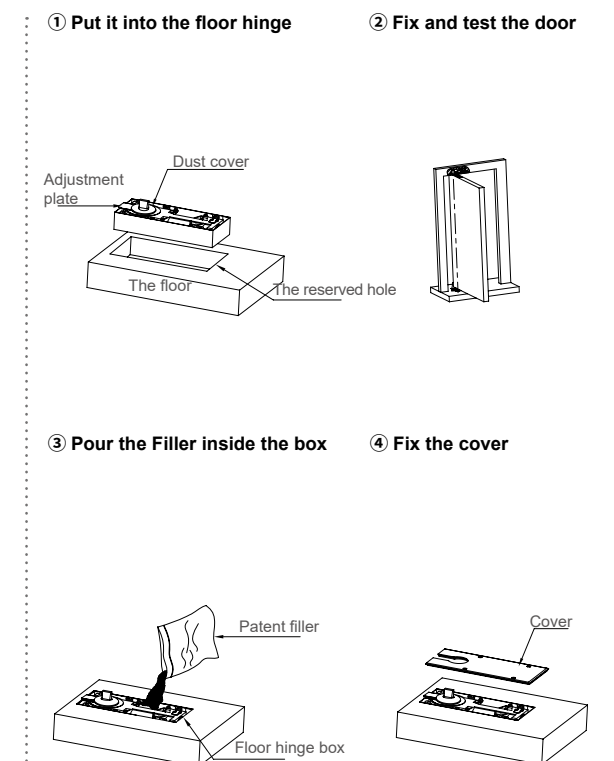
Standard configuration does not include the following accessories)		Product description	HD203	HDF203	HD204	HD205	HDF205
BDP30001 Top pivot seat 	Positioning type	90° hold	●		●	●	
		Non-hold		●			●
	Door width	650~1050mm	●	●			
		750~1100mm			●		
		800~1200mm				●	●
	Maximum Loading	100kg	●	●			
		115kg			●		●
	Life cycle	> 1,000,000 Cycles	●	●	●	●	●
		Main body- Gray cast-iron; Cover plate— SS304	●	●	●	●	●
	Speed control	Two speed section	●	●	●	●	●
		Suitable Temperature	-15°C~40°C	●	●	●	●
	Surface of the cover plate	400# Hairline	●	●	●	●	●
		Max open degree	130°	●	●	●	●
	Structure of main body	Single cylinder	●	●	●	●	●
		Cover plate thickness	2.0mm	●	●	●	●
	Spindle	14°	●	●	●	●	●
		6°	●	●	●	●	●

Installation Diagram and Product Drawing



Note: 1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.  
◆ When it is used for the wooden door, metal door, frame door, please select the standard accessories.  
◆ When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

Filler Application Instruction





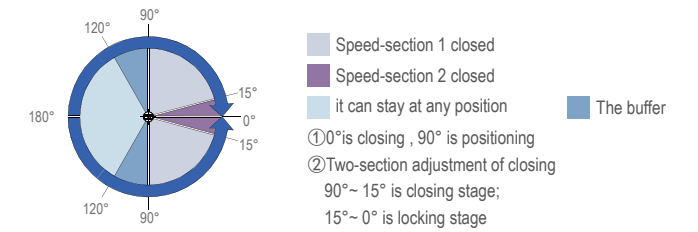
Three-dimensional 180° Single Two



### Functional Characteristic

- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

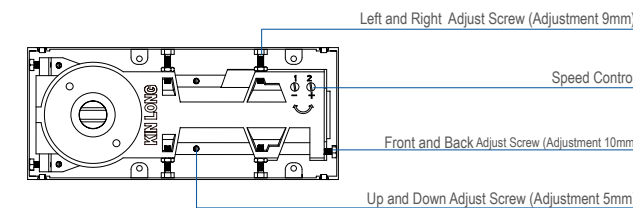
### Application Performance



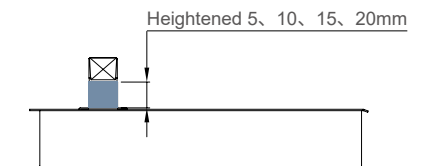
Graphics has 90° hold function.

To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

### Adjustment diagram

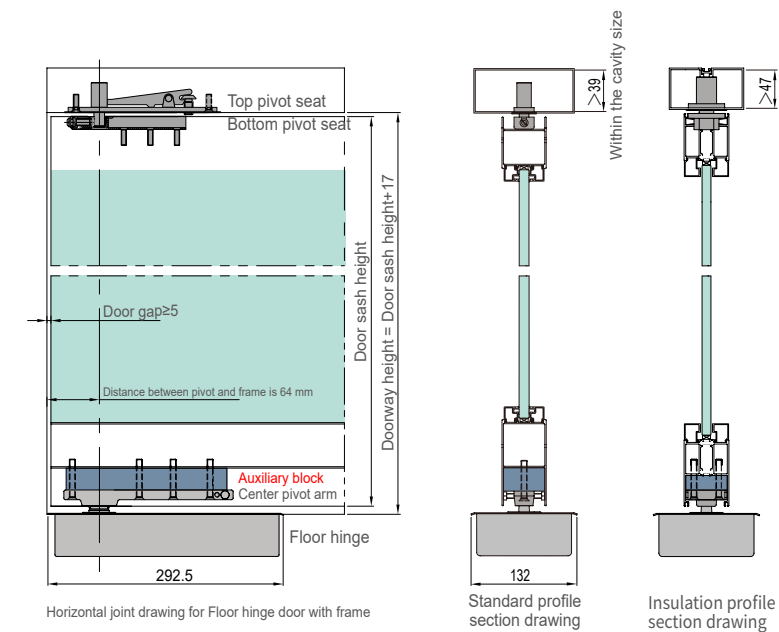


### Spindle can be heightened (Please remark before ordering if required)



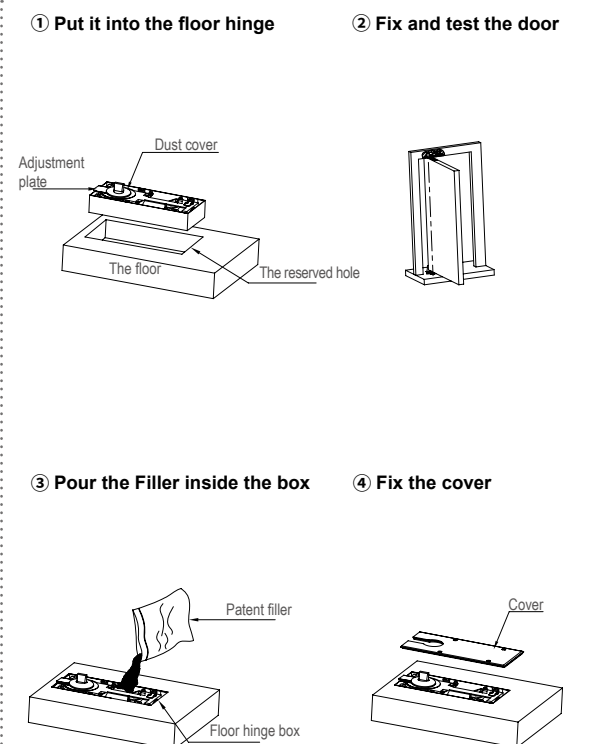
Standard configuration does not include the following accessories)	Product description	HD304	HD305	
BDP30001 Top pivot seat	Positioning type	90°/120°-180°hold	●	●
	Door width	650~1050mm	●	●
		800~1200mm	●	●
	Maximum Loading	100kg	●	●
		130kg	●	●
	Life cycle	>1,000,000 Cycles	●	●
	Main Material	Main body-Gray cast-iron; Cover plate—SS304	●	●
	Speed control	Two speed section	●	●
	Suitable Temperature	-15°C~40°C	●	●
	Surface of the cover plate	400#Hairline	●	●
	Max open degree	180°	●	●
	Structure of main body	Single cylinder	●	●
	Cover plate thickness	2.0mm	●	●
	Spindle	14°	●	●
		6°	●	●

### Installation Diagram and Product Drawing



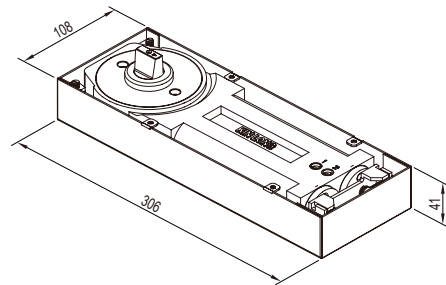
- Note :1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.
- ◆ When it is used for the wooden door, metal door, frame door, please select the standard accessories.
  - ◆ When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

### Filler Application Instruction



Three-dimensional 130° Double Two

Floor Hinge

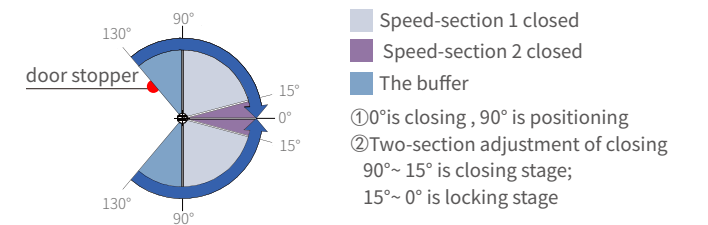


Standard configuration does not include the following accessories)		Product description	HD403	HD405	HD406	HDF406
BDP30001 Top pivot seat	Positioning type	90°hold	●	●	●	
		Non-hold				●
DX03 Bottom pivot seat	Door width	650~1050mm	●			
		800~1200mm		●		
	Maximum Loading	1100~1300mm			●	●
		100kg	●			
	130kg		●			
	150kg			●	●	
DY05 Center pivot arm	Life cycle	>1,000,000 Cycles	●	●	●	●
	Main Material	Main body-Gray cast-iron; Cover plate—SS304	●	●	●	●
	Speed control	Two speed section	●	●	●	●
	Suitable Temperature	-15°C~40°C	●	●	●	●
	Surface of the cover plate	400#Hairline	●	●	●	●
	Max open degree	130°	●	●	●	●
	Structure of main body	Double-cylinder	●	●	●	●
	Cover plate thickness	2.0mm	●	●	●	●
	Spindle	14°	●	●	●	●
		6°	●	●	●	●

Functional Characteristic

- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

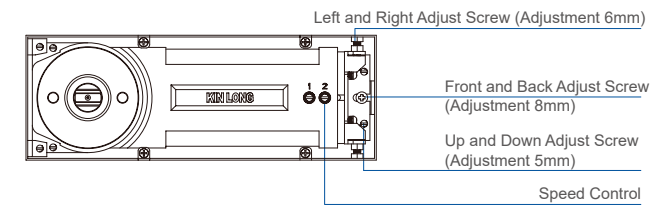
Application Performance



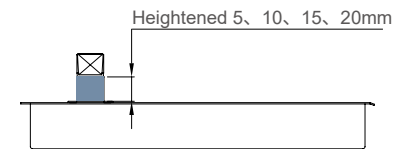
Graphics has 90°hold function.

To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

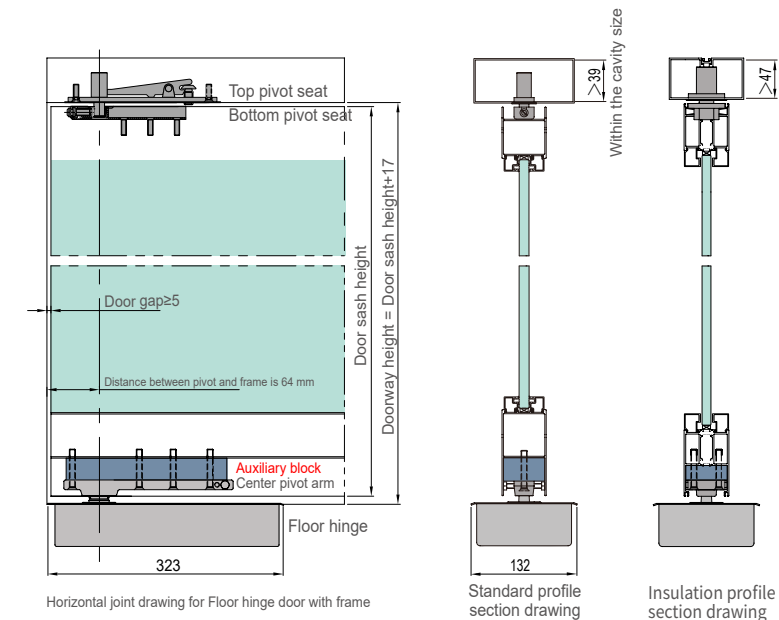
Adjustment diagram



Spindle can be heightened(Please remark before ordering if required)



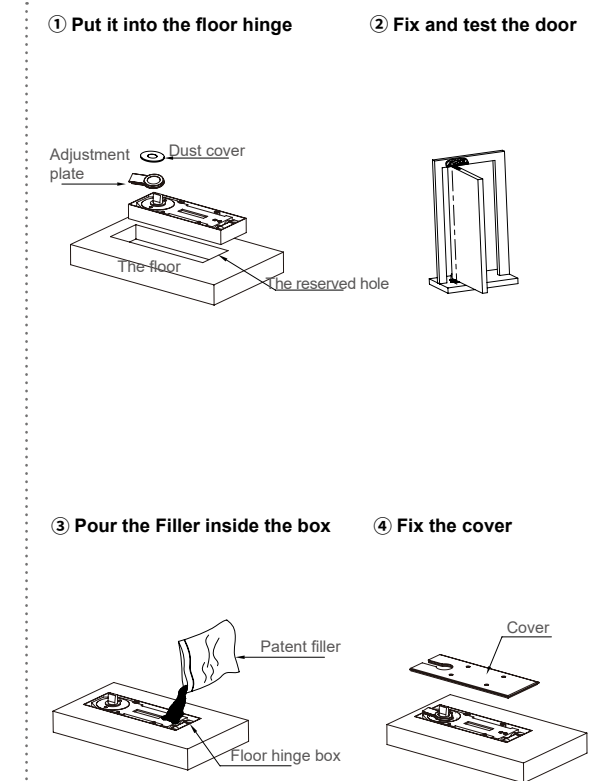
Installation Diagram and Product Drawing



Note :1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.

- ◆When it is used for the wooden door, metal door, frame door, please select the standard accessories.
- ◆When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

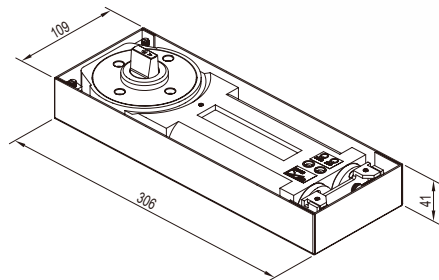
Filler Application Instruction



Floor Hinge

Three-dimensional 120° Double Two

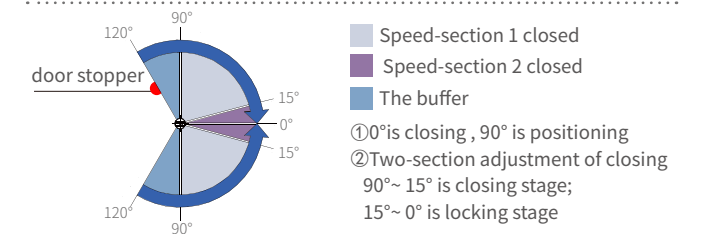
Floor Hinge



**Functional Characteristic**

- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

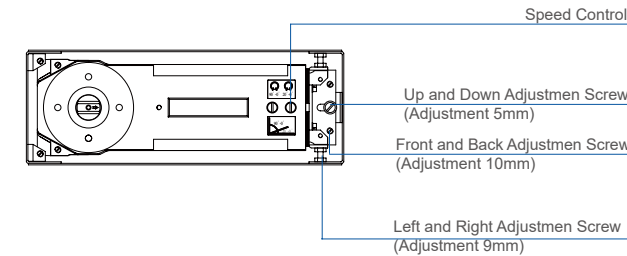
**Application Performance**



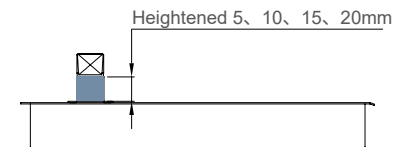
Graphics has 90°hold function.

To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

**Adjustment diagram**

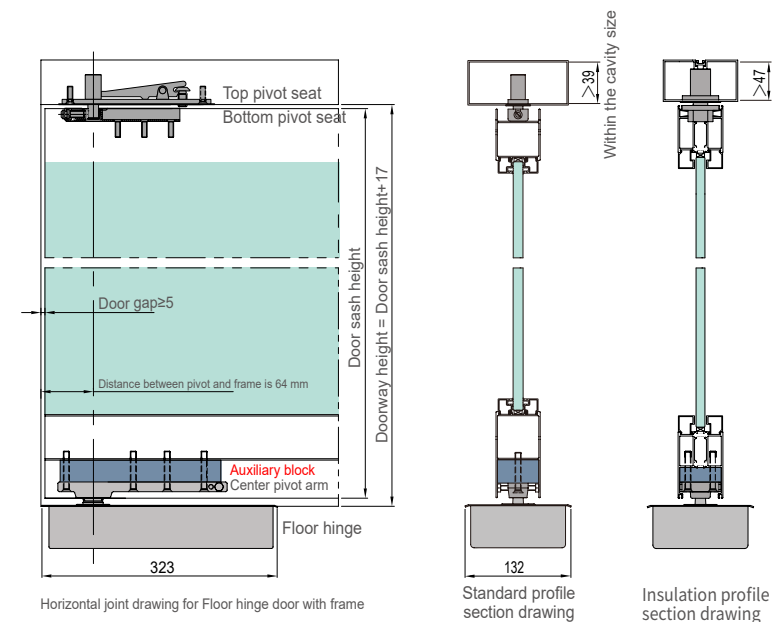


**Spindle can be heightened(Please remark before ordering if required)**



Standard configuration does not include the following accessories)	Product description	BDH40115-HW
BDP30001 Top pivot seat	Positioning type 90°hold	●
	Door width 650~1050mm	●
	Maximum Loading 100kg	●
	Life cycle >500,000 Cycles	●
	Main Material Main body-Gray cast-iron; Cover plate—SS304	●
DX03 Bottom pivot seat	Speed control Two speed section	●
	Suitable Temperature -15°C~40°C	●
	Surface of the cover plate 400#Hairline	●
	Max open degree 120°	●
DY05 Center pivot arm	Structure of main body Double cylinder	●
	Cover plate thickness 1.2mm	●
	Spindle 14°	●
	6°	●

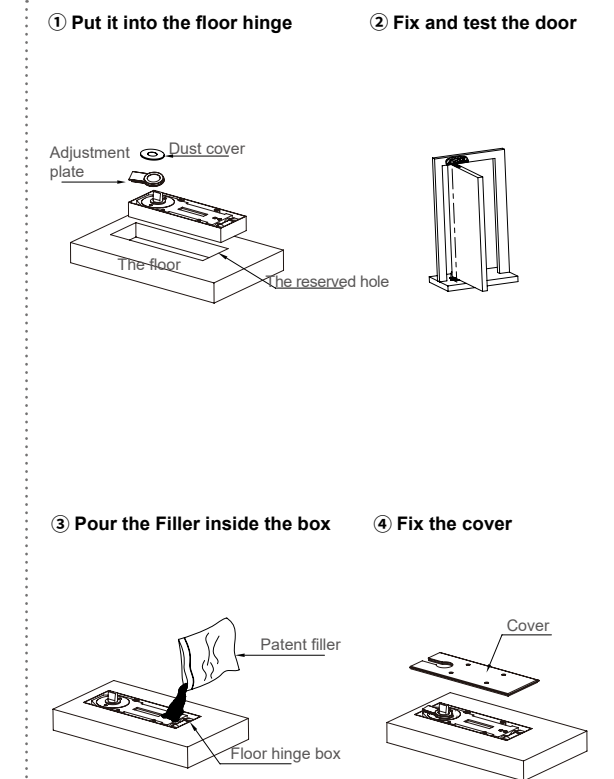
**Installation Diagram and Product Drawing**



Note :1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.

- ◆When it is used for the wooden door, metal door, frame door, please select the standard accessories.
- ◆When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

**Filler Application Instruction**

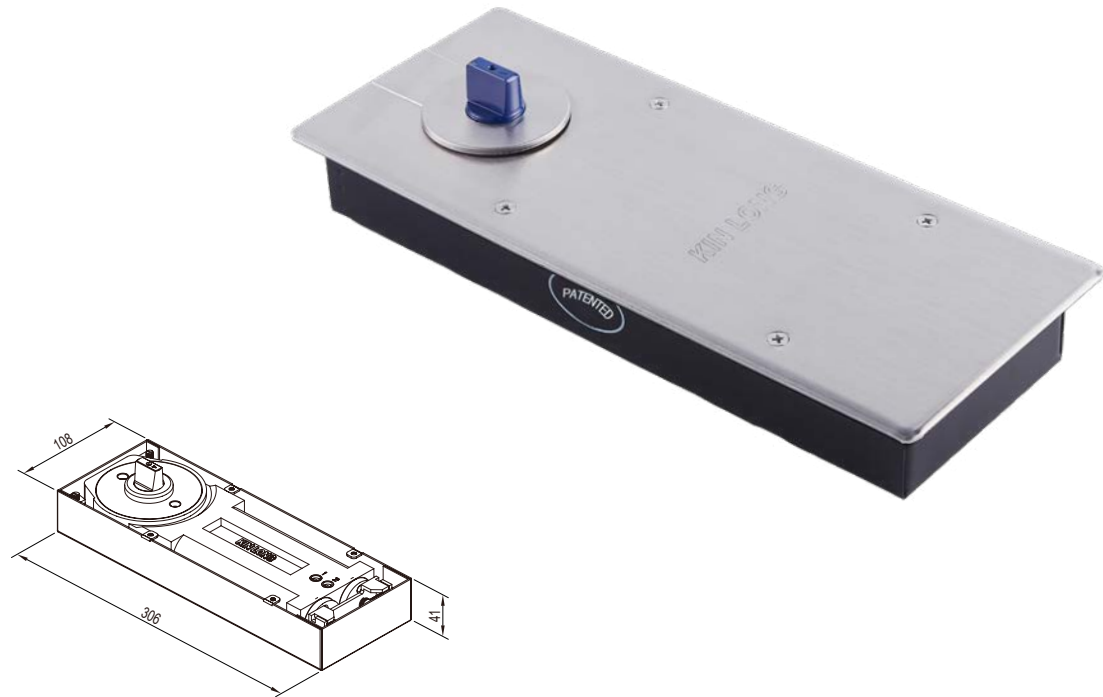





Floor Hinge



Three-dimensional 130° Single Two

Floor Hinge

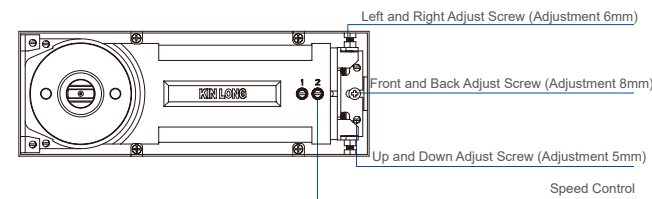


Standard configuration does not include the following accessories)	Product description	BDH40017	HD407	BDH40008
BDP40001 Top pivot seat 	Positioning type	90°hold	●	●
		Non-hold		●
DX04 Bottom pivot seat 	Door width	1150~1400mm	●	
		1200~1400mm		●
DY05 Center pivot arm 	Maximum Loading	180kg	●	
		200kg		●
	Life cycle	>1,000,000 Cycles	●	●
	Main Material	Main body-Gray cast-iron; Cover plate—SS304	●	●
	Speed control	Two speed section	●	●
	Suitable Temperature	-15°C~40°C	●	●
	Surface of the cover plate	400#Hairline	●	●
	Max open degree	130°	●	●
	Structure of main body	Double-cylinder	●	●
	Cover plate thickness	2.0mm	●	●
	Spindle	14°	●	●
		6°	●	●

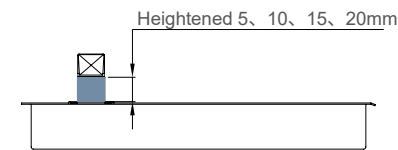
### Functional Characteristic

- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

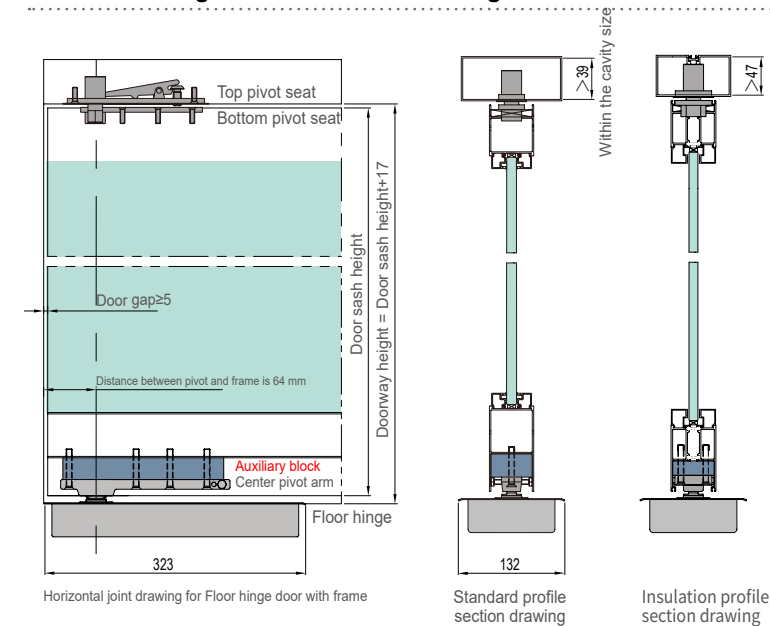
### Installation Diagram and Product Drawing



### Spindle can be heightened(Please remark before ordering if required)



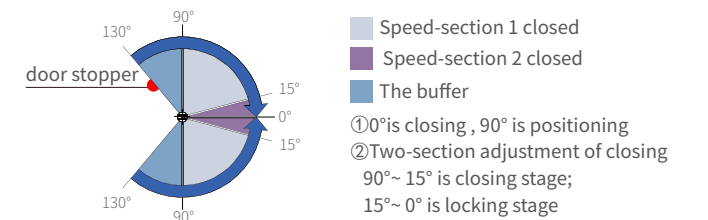
### Installation Diagram and Product Drawing



Note :1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.

- ◆ When it is used for the wooden door, metal door, frame door, please select the standard accessories.
- ◆ When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

### Application Performance



Graphics has 90°hold function.

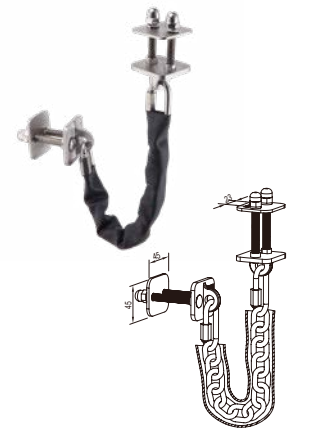
To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

### Selective accessories, purchase separately

BDP40102 Bottom pivot seat (Adjustable)



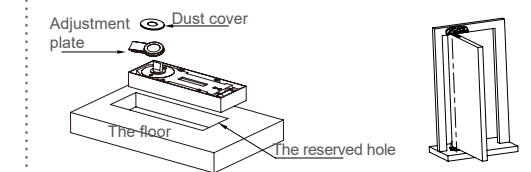
BDP10002 Safety chain **NEW**



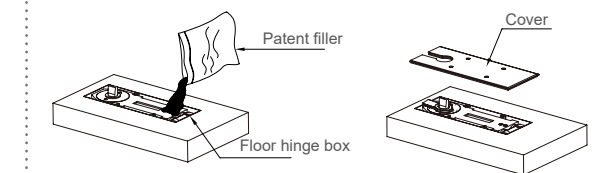
Installation location: Installed at the top of the door sash and door frame  
Applicable door weight: 65~400kg  
Applicable door sash thickness is 40~90mm  
Applicable door frame thickness is 70~130mm

### Filler Application Instruction

- ① Put it into the floor hinge
- ② Fix and test the door



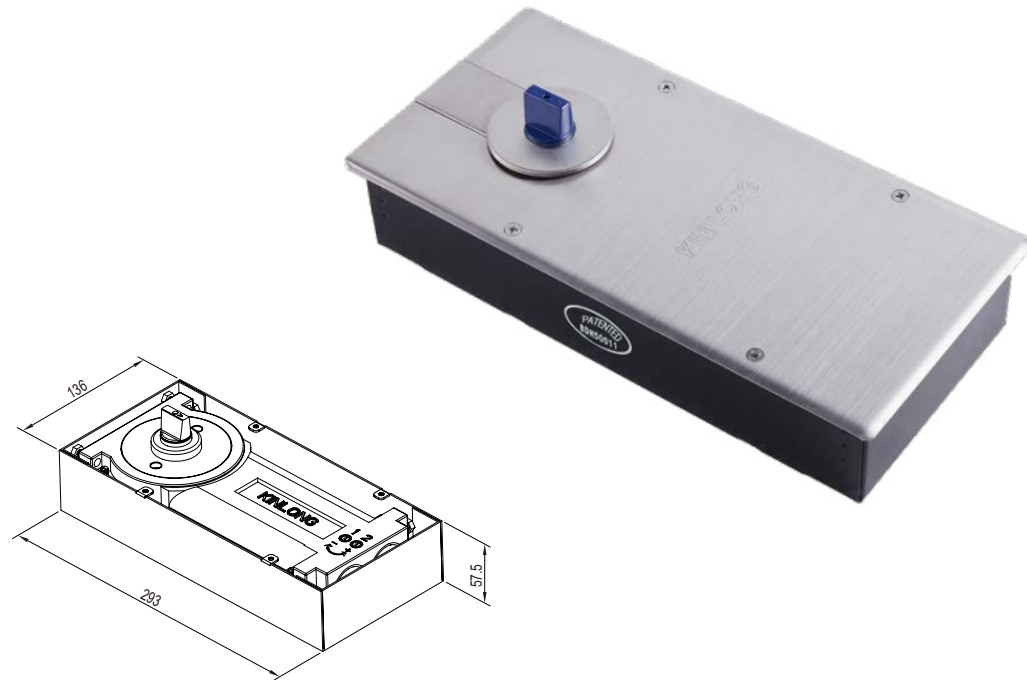
- ③ Pour the Filler inside the box
- ④ Fix the cover

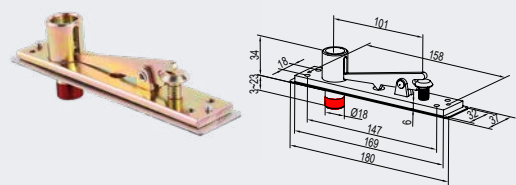
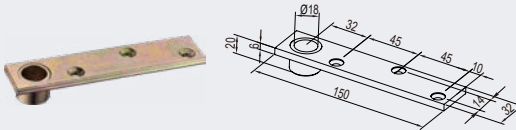
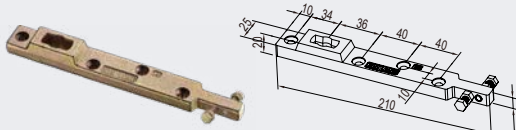


Floor Hinge

Three-dimensional Heavy duty 120° Double Two

Floor Hinge

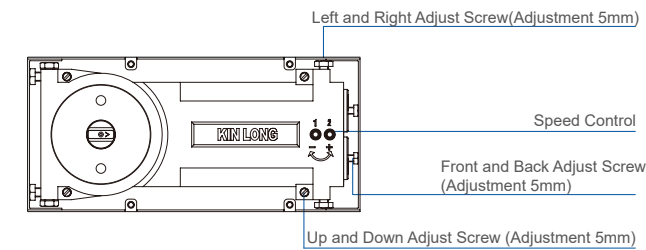


Standard configuration does not include the following accessories)	Product description	BDH50011	BDH50001
BDP40001 Top pivot seat 	Positioning type	●	●
	Non-hold		●
	Door width	●	●
	Maximum Loading	●	●
	Life cycle	●	●
DX04 Bottom pivot seat 	Main Material	●	●
	Speed control	●	●
	Suitable Temperature	●	●
	Surface of the cover plate	●	●
	Max open degree	●	●
DY05 Center pivot arm 	Structure of main body	●	●
	Cover plate thickness	●	●
	Spindle	●	●

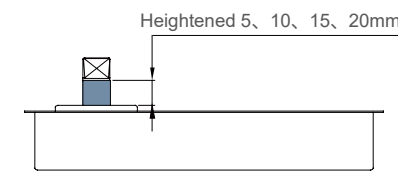
**Functional Characteristic**

- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

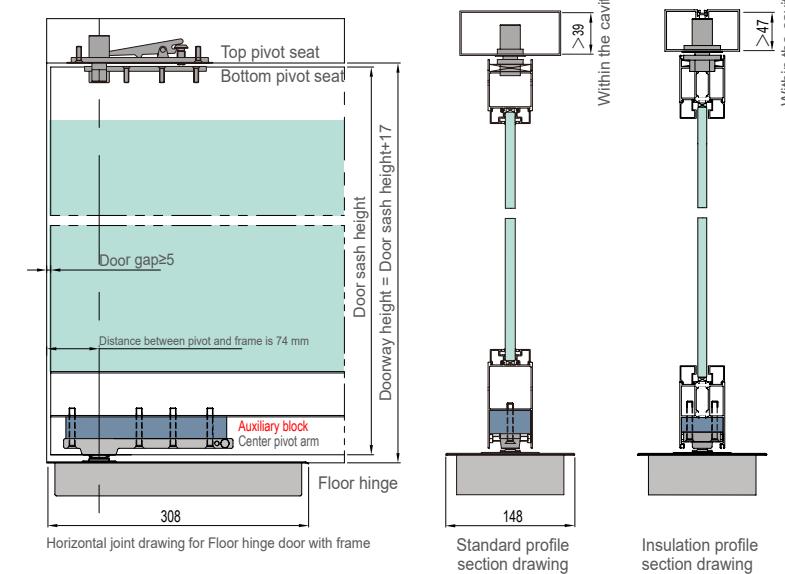
**Installation Diagram and Product Drawing**



**Spindle can be heightened(Please remark before ordering if required)**

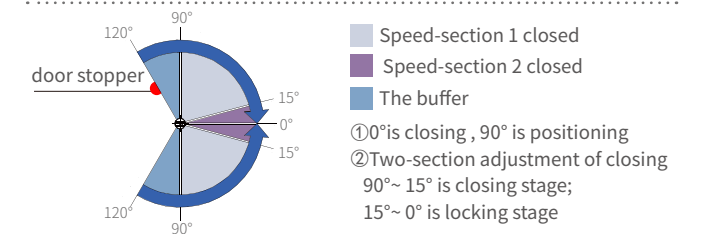


**Installation Diagram and Product Drawing**



Note :1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.  
◆When it is used for the wooden door, metal door, frame door, please select the standard accessories.  
◆When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

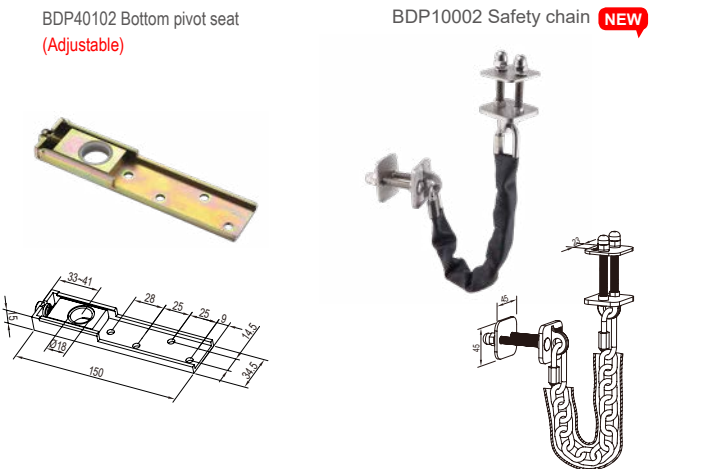
**Application Performance**



Graphics has 90°hold function.

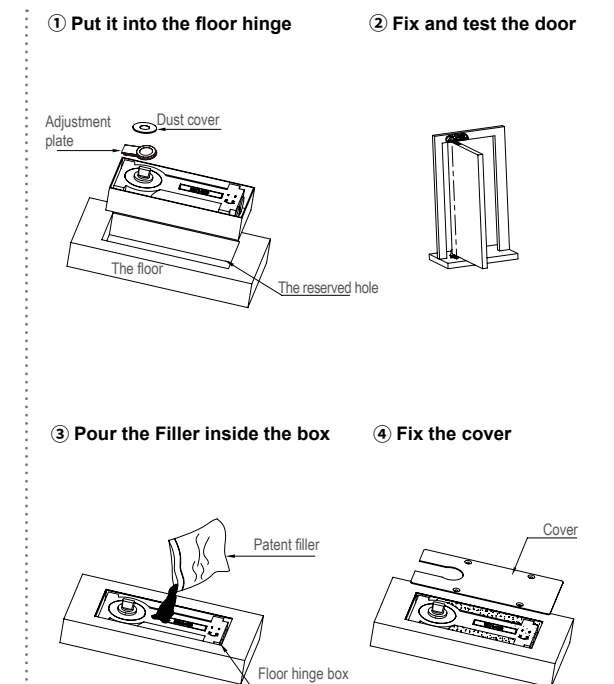
To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

**Selective accessories, purchase separately**



Installation location: Installed at the top of the door sash and door frame  
Applicable door weight: 65~400kg  
Applicable door sash thickness is 40~90mm  
Applicable door frame thickness is 70~130mm

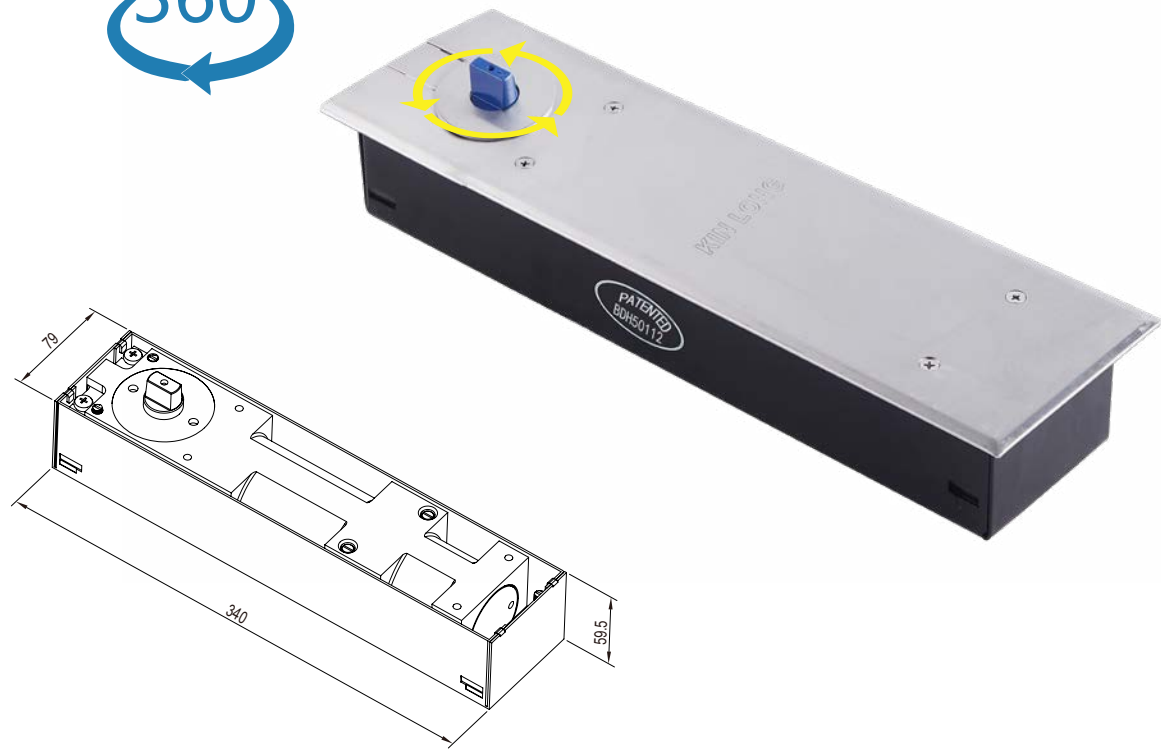
**Filler Application Instruction**



Floor Hinge

Three-dimensional Heavy duty Ultra narrow 360° Single Two

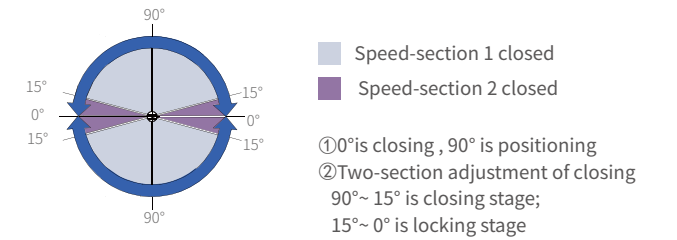
360°



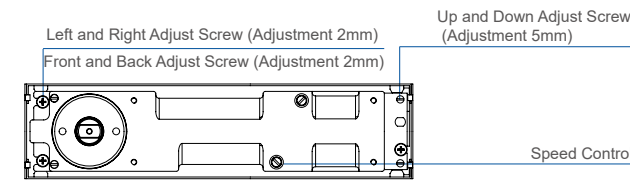
**Functional Characteristic**

- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- Suit for wooden door, metal door, glass door, frame door.

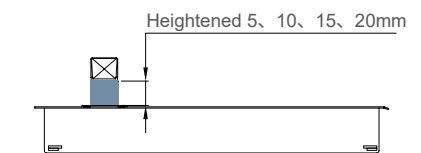
**Application Performance**

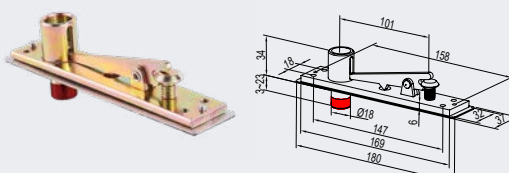
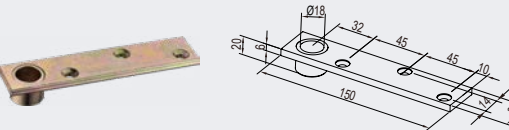
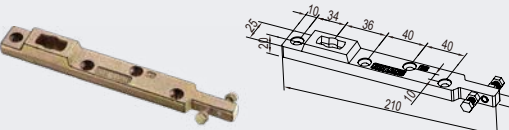
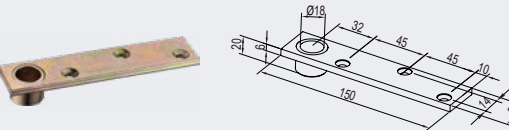
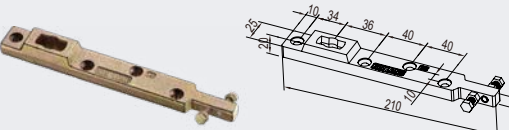
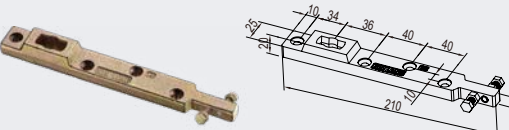


**Installation Diagram and Product Drawing**

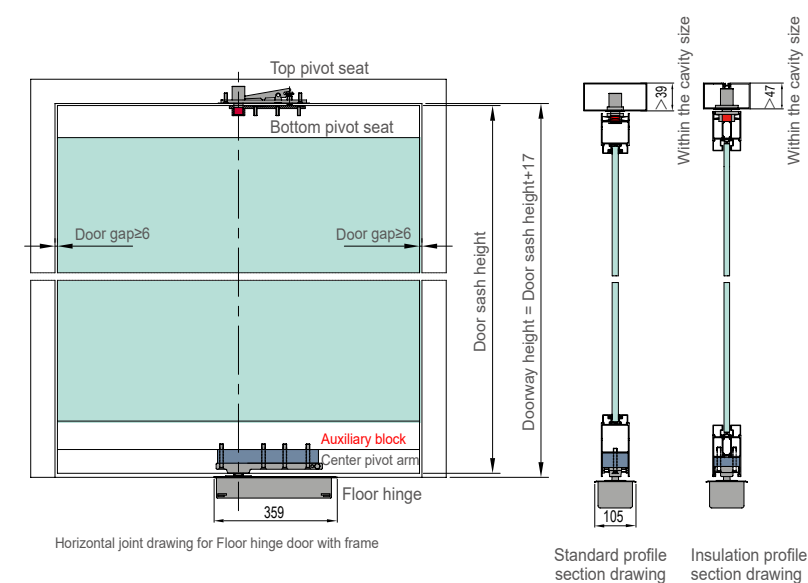


**Spindle can be heightened(Please remark before ordering if required)**



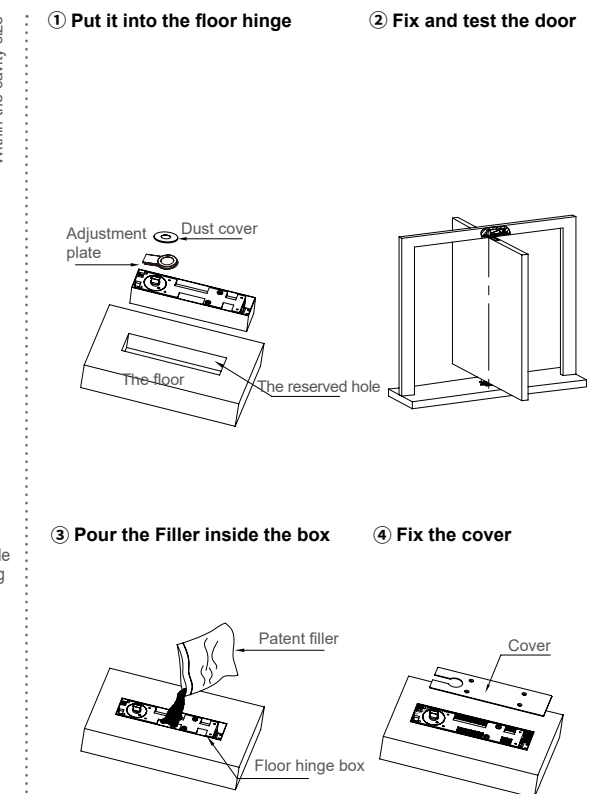
Standard configuration	Product description	BDH50112
BDP40001 Top pivot seat	Positioning type 90°hold	●
	Door width 1100~1250mm(Unilateral)	●
	Maximum Loading 300kg	●
	Life cycle >500,000 Cycles	●
	Main Material Main body-Gray cast-iron; Cover plate—SS304	●
	Speed control Two speed section	●
	Suitable Temperature -15°C~40°C	●
	Surface of the cover plate 400#Hairline	●
	Max open degree 360°	●
	Structure of main body Single cylinder	●
	Cover plate thickness 2.0mm	●
	Spindle /	●
	Spindle 6°	●

**Installation Diagram and Product Drawing**



Note :1. Standard product has no auxiliary block, the thickness of auxiliary block is based on the cavity of profile.  
2. Insulation profile accessories need to be purchased separately, technical parameters as Page 55.

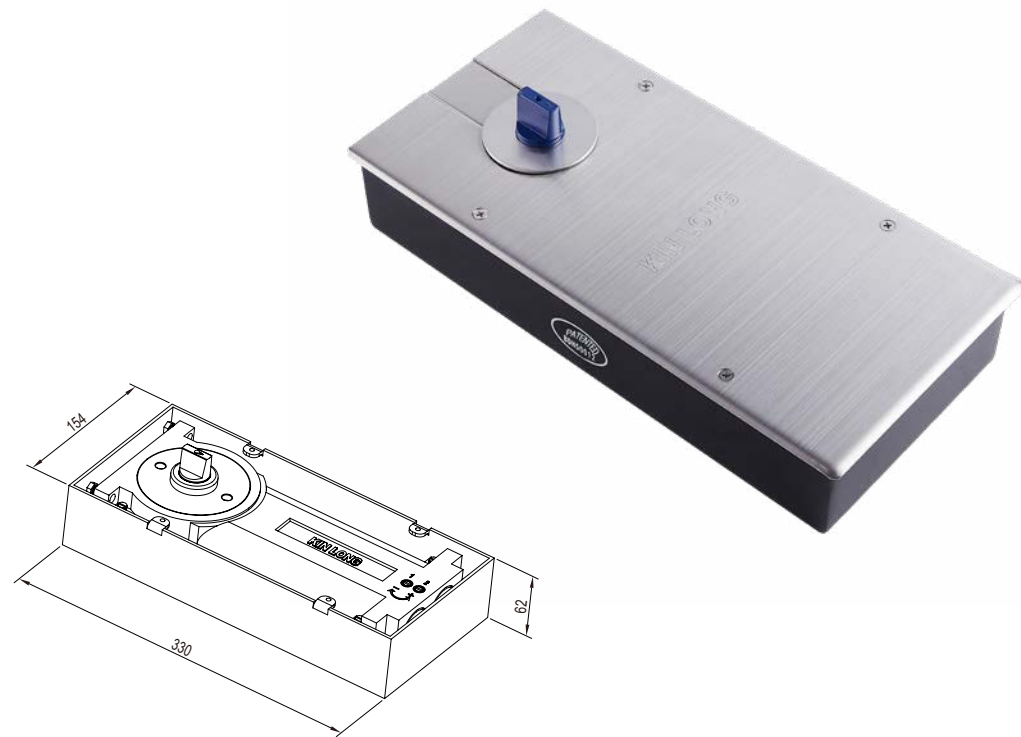
**Filler Application Instruction**

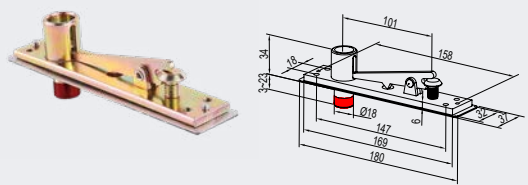
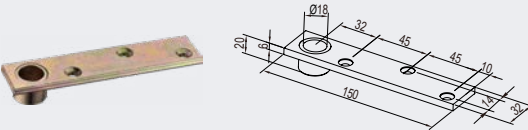
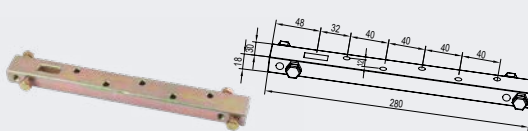




Three-dimensional 120° Double Two

Floor Hinge

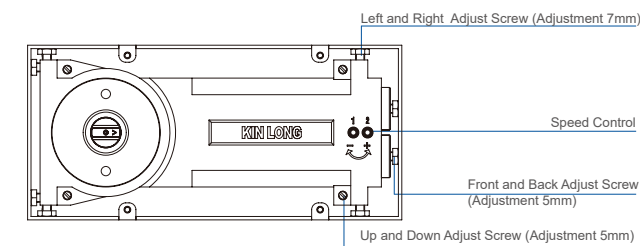


Standard configuration does not include the following accessories)	Product description	BDH50012
BDP40001 Top pivot seat 	Positioning type 90°hold	●
DX04 Bottom pivot seat 	Door width 1200~1500mm	●
BDP60103 Center pivot arm 	Maximum Door high 3200mm	●
	Maximum Loading 300kg	●
	Life cycle >500,000 Cycles	●
	Main Material Main body-Gray cast-iron; Cover plate—SS304	●
	Speed control Two speed section	●
	Suitable Temperature -15°C~40°C	●
	Surface of the cover plate 400#Hairline	●
	Max open degree 120°	●
	Structure of main body Double-cylinder	●
	Cover plate thickness 2.0mm	●
	Spindle 14°	●

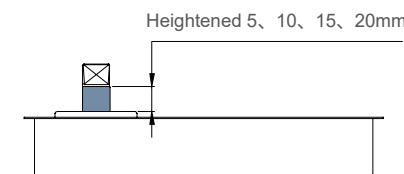
### Functional Characteristic

- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

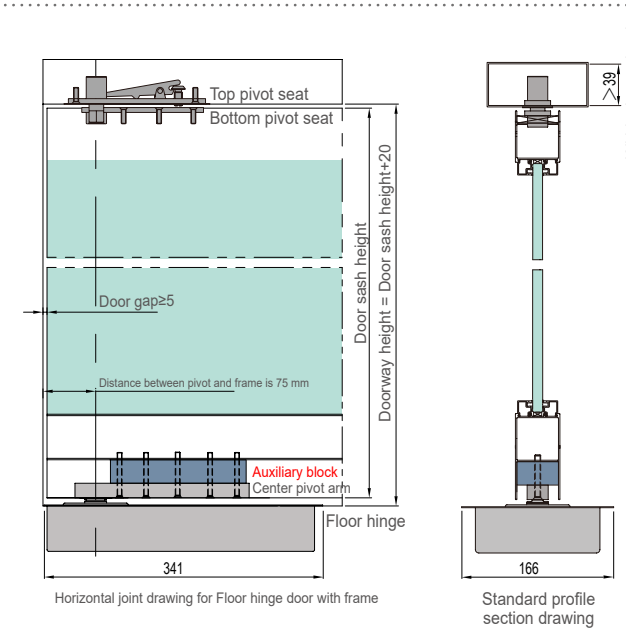
### Installation Diagram and Product Drawing



### Spindle can be heightened(Please remark before ordering if required)



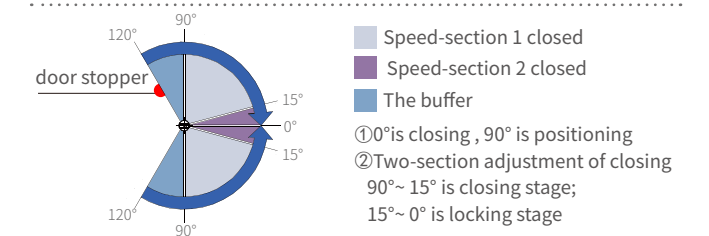
### Installation Diagram and Product Drawing



Note :Standard product has no auxiliaryblock, the thickness of auxiliaryblock is based on the cavity of profile.

- ◆When it is used for the wooden door, metal door, frame door, please select the standard accessories.
- ◆When it is used for the frameless glass door, please select floor hinge without accessories and the pivot hinge hardware (Drawing configuration is required).

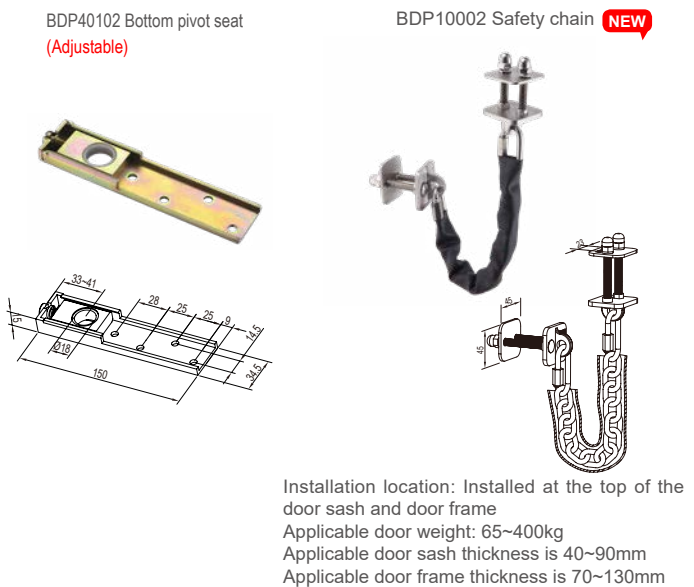
### Application Performance



Graphics has 90°hold function.

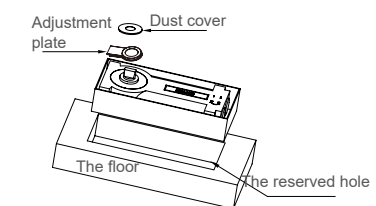
To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

### Selective accessories, purchase separately

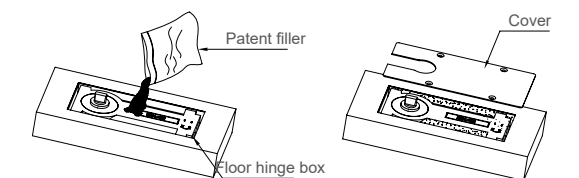


### Filler Application Instruction

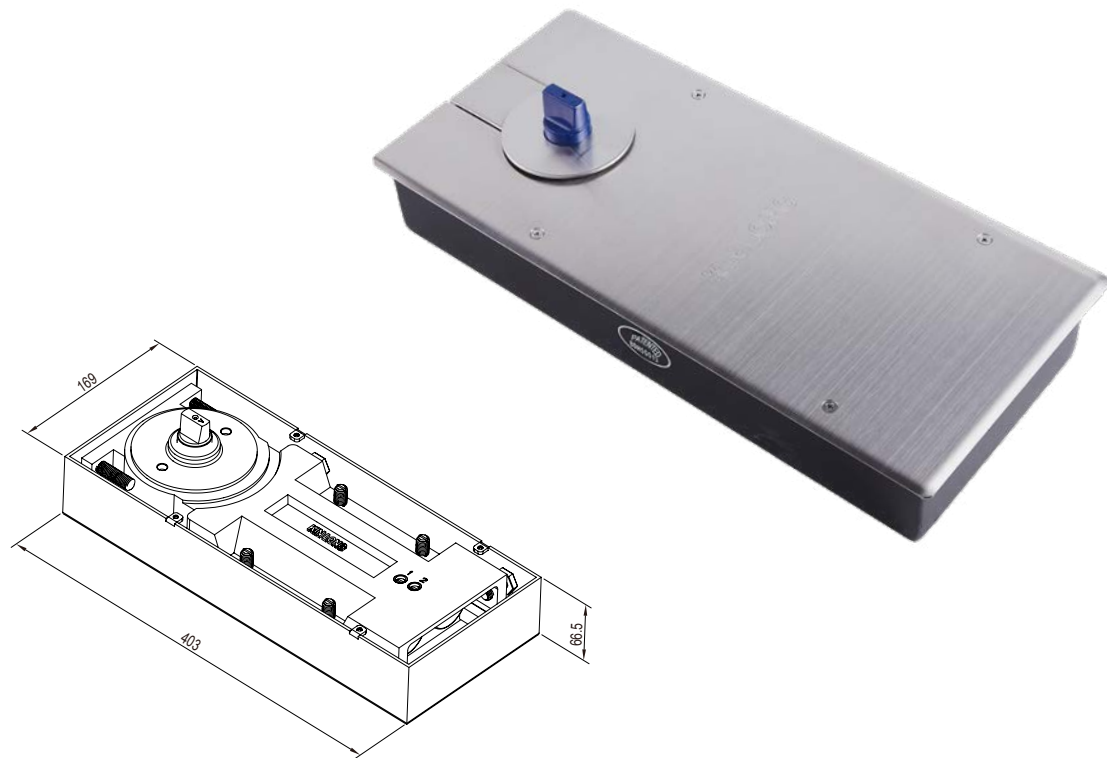
- Put it into the floor hinge
- Fix and test the door



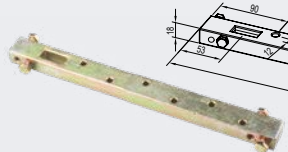


- Pour the Filler inside the box
- Fix the cover



Three-dimensional 120° Double Two

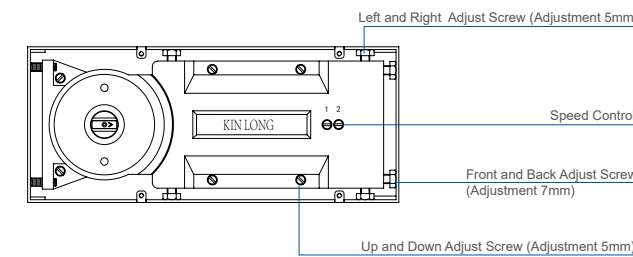


Standard configuration does not include the following accessories)	Product description	BDH50013	BDH50014
BDP40001 Top pivot seat 	Positioning type 90°	●	●
	Door width 1200~1500mm	●	●
	Maximum Door high 3800mm	●	●
	4200mm	●	●
	Maximum Loading 350kg	●	●
	400kg	●	●
DX04 Bottom pivot seat 	Life cycle >500,000 Cycles	●	●
	Main Material Main body-Gray cast-iron; Cover plate—SS304	●	●
	Speed control Two speed section	●	●
	Suitable Temperature -15°C~40°C	●	●
	Surface of the cover plate 400#Hairline	●	●
BDP60003 Center pivot arm 	Max open degree 120°	●	●
	Structure of main body Double-cylinde	●	●
	Cover plate thickness 2.0mm	●	●
	Spindle 14°	●	●

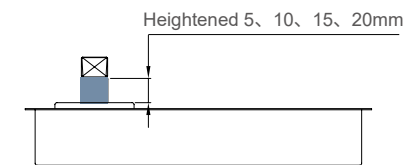
### Functional Characteristic

- Passed the test of industrial standard QB/T 2697.
- Passed the test of SGS & DGM.
- Passed the test of EN1154 standard of door closing detection.
- Originate the special filler with anti-rust, water proof, keep warm, insect prevention.
- It can be used on both left and right side door.
- Bidirection opening and the single side opening should be achieved by auxiliary method.
- Suit for wooden door, metal door, glass door, frame door.

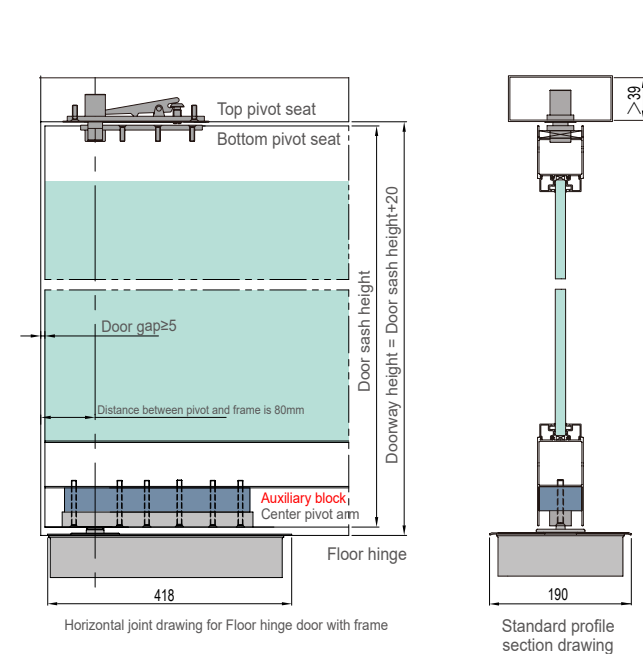
### Installation Diagram and Product Drawing



### Spindle can be heightened(Please remark before ordering if required)

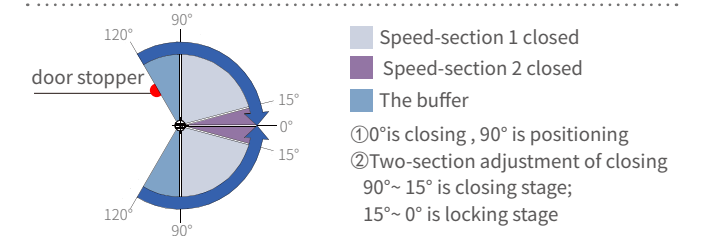


### Installation Diagram and Product Drawing



Note :Standard product has no auxiliaryblock, the thickness of auxiliaryblock is based on the cavity of profile

### Application Performance



Graphics has 90°hold function.

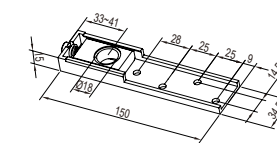
To prevent the door from opening beyond the maximum angle, it is recommended to install the door stopper.

### Selective accessories, purchase separately

BDP40102 Bottom pivot seat (Adjustable)



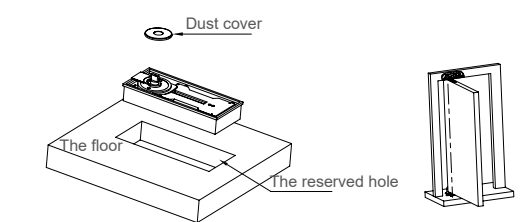
BDP10002 Safety chain **NEW**



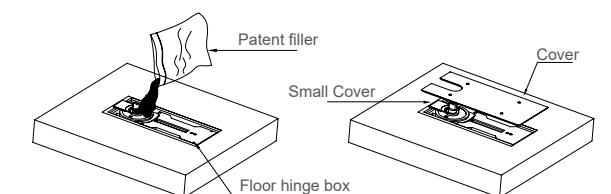
Installation location: Installed at the top of the door sash and door frame  
Applicable door weight: 65~400kg  
Applicable door sash thickness is 40~90mm  
Applicable door frame thickness is 70~130mm

### Filler Application Instruction

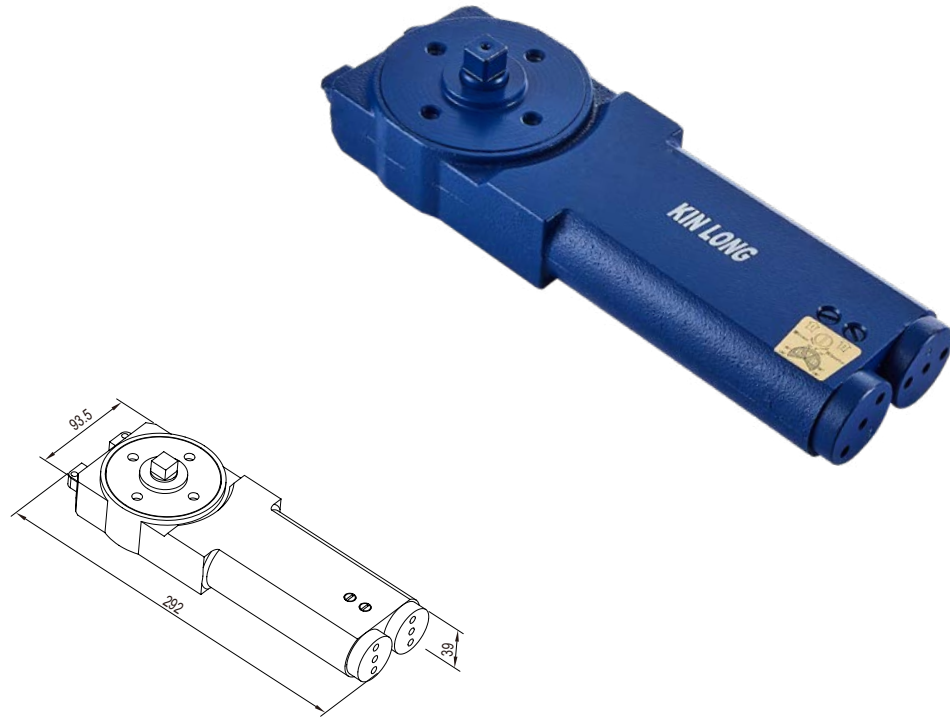
- Put it into the floor hinge
- Fix and test the door



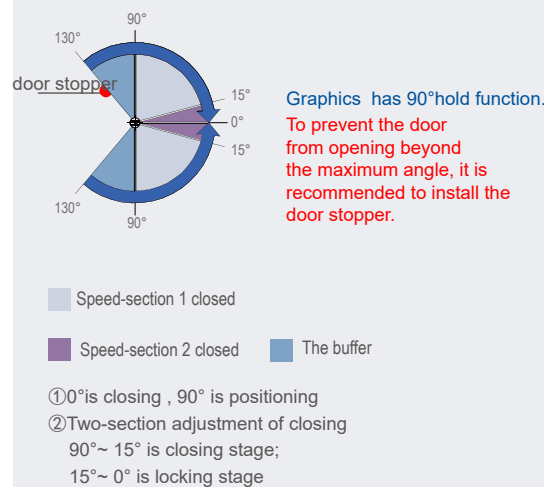
- Pour the Filler inside the box
- Fix the cover



Three-dimensional 130° Double Two



Functional Characteristic	Product description	BDH60015	BDH60016	
Passed the test of industrial standard QB/T 2697 Passed the test of EN1154 standard of door closing detection Bidirection opening and the single side open should be achieved by auxiliary method Suit for wooden door, metal door, glass door, frame door (only for top installation)	Positioning type	90°hold	●	●
	Door width	800~1000mm	●	
		800~1200mm		●
	Maximum Loading	85kg	●	
		100kg		●
	Life cycle	>500,000 Cycles	●	●
	Main Material	Main body-Grey cast-iron	●	●
	Speed control	Two speed section	●	●
	Suitable Temperature	-15°C~40°C	●	●
	Max open degree	130°	●	●
	Structure of main body	Double-cylinder	●	●
	Spindle	Square Shaft	●	●

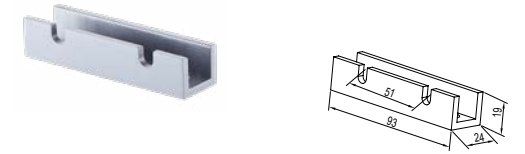


Standard products

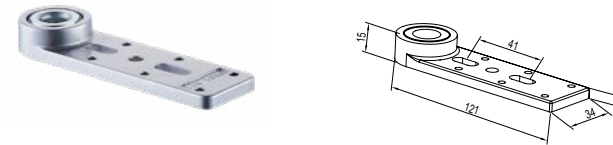
BDH60016-09 Rear mount support



BDH60016-12 Front mount support



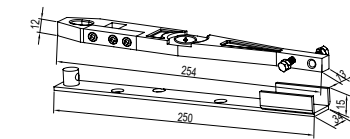
BDH60016-16 Undercarriage



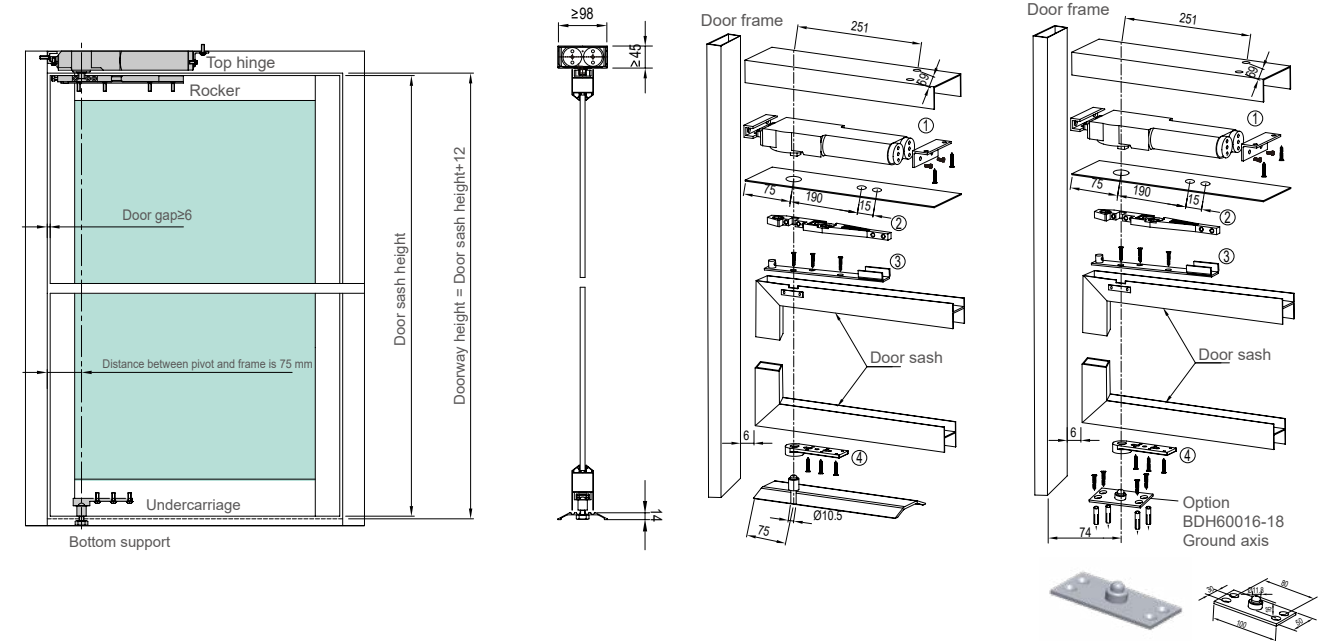
BDH60016-08 Rocker



BDH60016-06 Bottom support

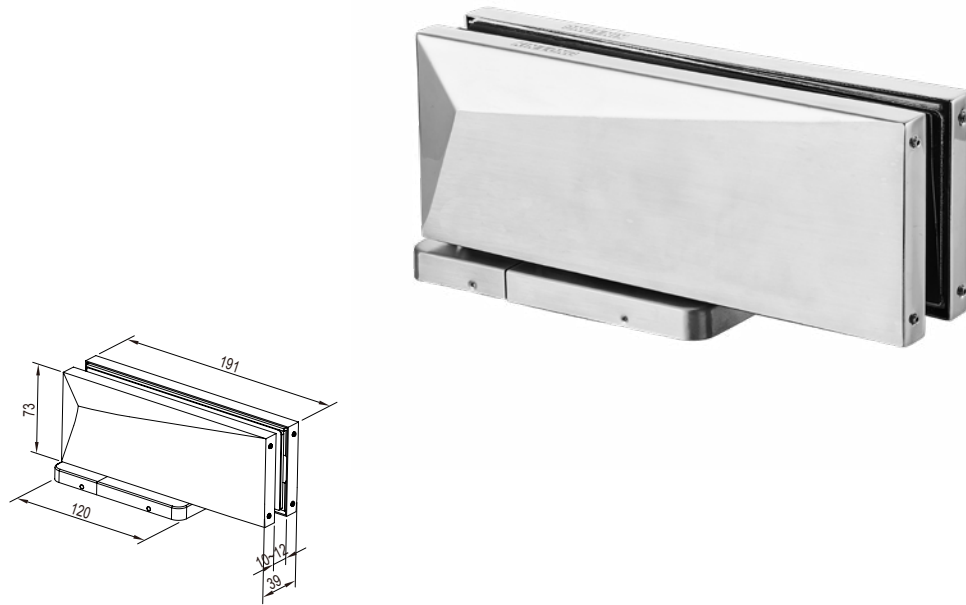


Installation Diagram

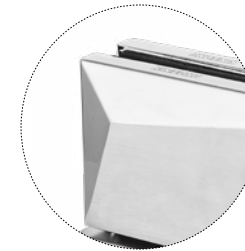




Slotting free 120° Two



**Part Details**



Rhombus edge design



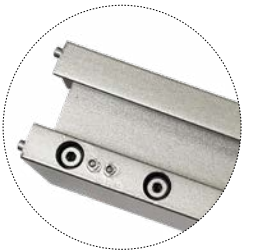
Aluminium alloy machine core



High quality shaft



Base support



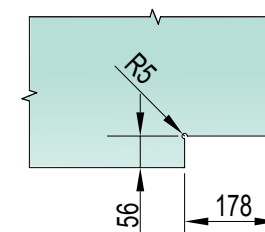
Two speed section

Concealed Floor Hinge	Product description	BDH70014	BDH70015	
<p><b>Application Performance</b></p> <p>Application Performance</p> <ul style="list-style-type: none"> <li>Speed-section 1 closed</li> <li>Speed-section 2 closed</li> <li>Buffer zone</li> </ul> <p>①0° is closing, 90° is positioning ②Two-section adjustment of closing 90°~15° is closing stage; 15°~0° is locking stage</p>	Positioning type	90° hold	•	
	Door width	650~800mm	•	
		750~900mm		•
	Maximum Loading	85Kg	•	
		100Kg		•
	Life cycle	>300,000 Cycles	•	•
	Main Body Material	Aluminum alloy	•	•
	Speed control	Two speed section	•	•
	Suitable Temperature	-15°C~40°C	•	•
	Max open degree	120°	•	•
	Spindle	3°	•	•
	Structure of main body	Mirror + Satin	•	•
	Steel cover thickness	1.0mm	•	•
	Steel cover material	S.S 304	•	•
glass thickness	10~12mm	•	•	

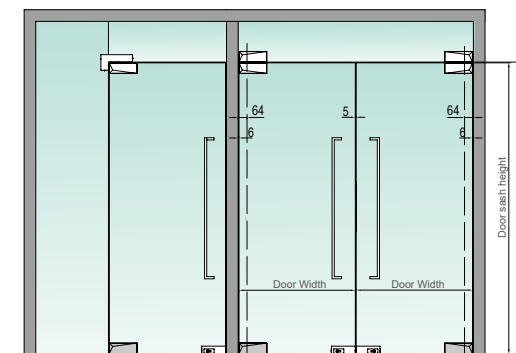
**Functional Characteristic**

- Passed the test of industrial standard QB/T 2697.
- Install on ground, convenient for construction.
- Has delicate appearance design, and combine the traditional floor hinge with the bottom patch.
- No need to dig hole, shortening construction period, and do not destroy the floor structure.
- The base is adjustable: front and back ±3 mm, left and right ± 3 mm, angle ± 4°.
- The door sash can be opened in both directions, one-way opening must be realized by other methods.
- It's suitable for the frameless glass door.

**Cut-out Drawing**



**Installation Diagram and Product Drawing**



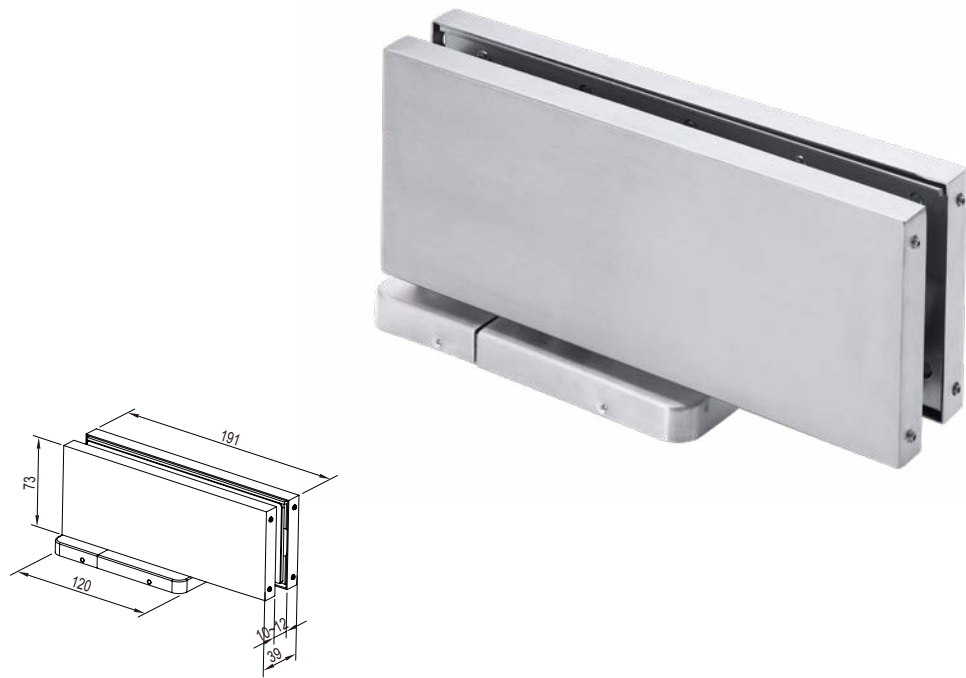
Glass door sash height cutting size = doorway - 20 (upper and lower door seam)

◆ Concealed floor hinge can be used with door control hardware. (See the form below)

No.	Name	Page
1	Upper patch KMJ44320	P139
2	Top patch KMJ44330	P139
3	Top pivot seat BDP30001/DS05	P23/P15
4	Top Pivot KHY53520 KHY53511	P196

Slotting free 120° Two NEW

Floor Hinge



Floor Hinge

Part Details



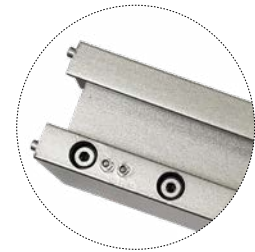
High quality shaft



Aluminium alloy machine core



Base support

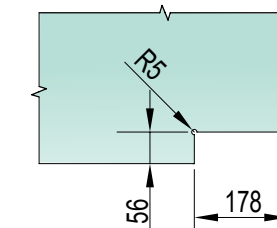


Two speed section

Functional Characteristic

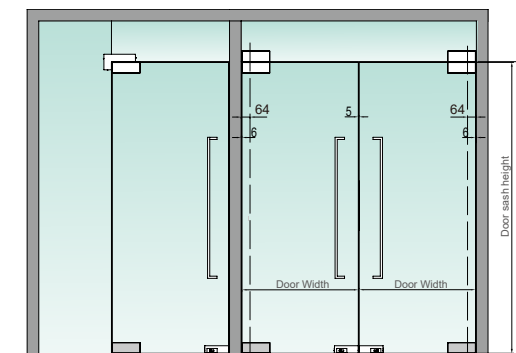
- Passed the test of industrial standard QB/T 2697.
- Install on ground, convenient for construction.
- Has delicate appearance design, and combine the traditional floor hinge with the bottom patch.
- No need to dig hole, shortening construction period, and do not destroy the floor structure.
- The base is adjustable: front and back  $\pm 3$  mm, left and right  $\pm 3$  mm, angle  $\pm 4^\circ$ .
- The door sash can be opened in both directions, one-way opening must be realized by other methods.
- It's suitable for the frameless glass door.

Cut-out Drawing



Concealed Floor Hinge	Product description	BDH70114	BDH70115	
<p><b>Application Performance</b></p> <p>Application Performance</p> <ul style="list-style-type: none"> <li>Speed-section 1 closed</li> <li>Speed-section 2 closed</li> <li>Buffer zone</li> </ul> <p>①0° is closing, 90° is positioning ②Two-section adjustment of closing 90°~15° is closing stage; 15°~0° is locking stage</p>	Positioning type	90°hold	•	
	Door width	650~800mm	•	
		750~900mm		•
	Maximum Loading	85Kg	•	
		100Kg		•
	Life cycle	>30 Cycles	•	•
	Main Body Material	Aluminum alloy	•	•
	Speed control	Two speed section	•	•
	Suitable Temperature	-15°C~40°C	•	•
	Max open degree	120°	•	•
	Spindle	3°	•	•
	Structure of main body	Mirror + Satin	•	•
	Steel cover thickness	1.0mm	•	•
	Steel cover material	S.S 304	•	•
glass thickness	10~12mm	•	•	

Installation Diagram and Product Drawing



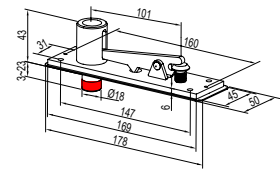
Glass door sash height cutting size = doorway - 20 (upper and lower door seam)

◆ Concealed floor hinge can be used with door control hardware. (See the form below)

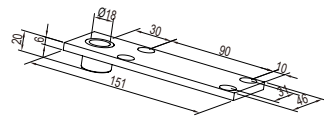
No.	Name	Page
1	Upper patch KMJ4432A	P140
2	Top patch KMJ4433A	P140
3	Top pivot seat BDP30001/DS05	P23/P15
4	Top Pivot KHY53520 KHY53511	P196

**Accessories for insulation profile**

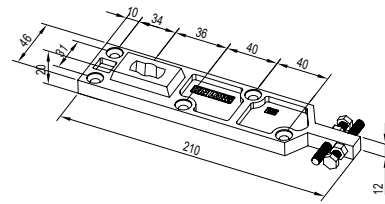
■ BDP70001 Top pivot seat



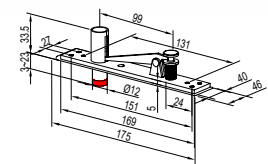
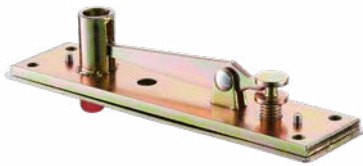
■ DX07 Bottom pivot seat



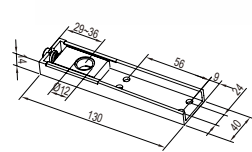
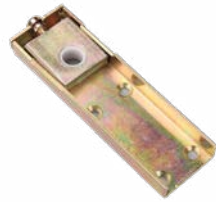
■ DY07 Center pivot arm



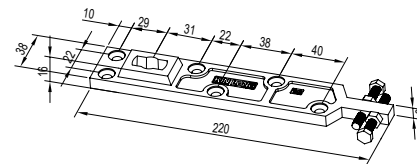
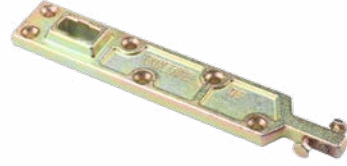
■ BDP70201 Top pivot seat



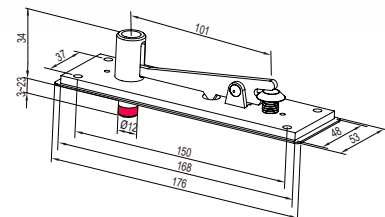
■ BDP70202 Bottom pivot seat



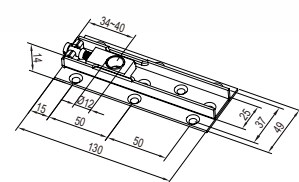
■ BDP70203 Center pivot arm



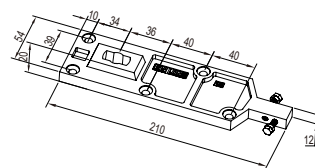
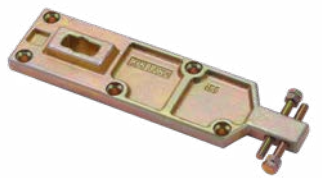
■ BDP70301 Top pivot seat **New**



■ BDP70302 Bottom pivot seat **New**

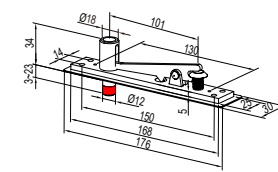
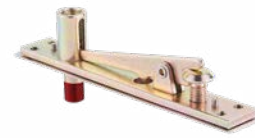


■ BDP70303 Center pivot arm **New**

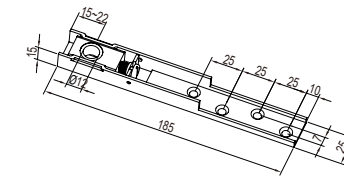


**Accessories for circular tube profile**

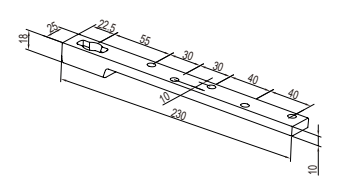
■ BDP30001 Top pivot seat



■ DX09 Bottom pivot seat



■ DY09 Center pivot arm



**Other optional accessories**

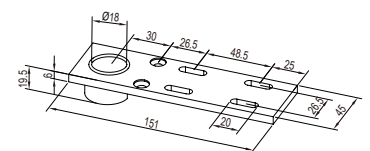
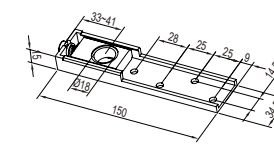
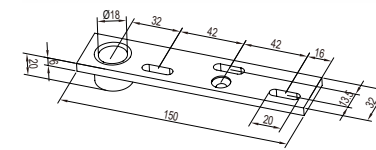
■ BDP40002 Bottom pivot seat (Adjustable) **New**



■ BDP40102 Bottom pivot seat (Adjustable)



■ BDP70002 Bottom pivot seat (Adjustable) **New**



Floor Hinge

Floor Hinge

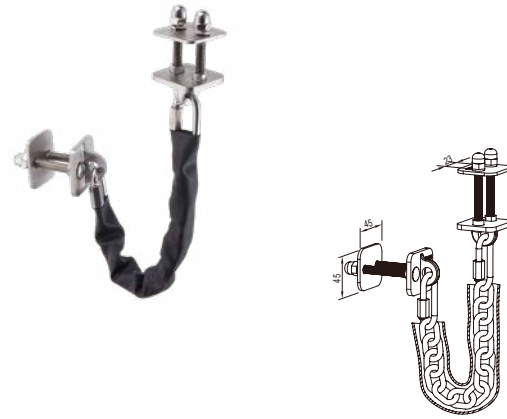
## Safety chain (selective accessories)

■ BDP10001 Safety chain



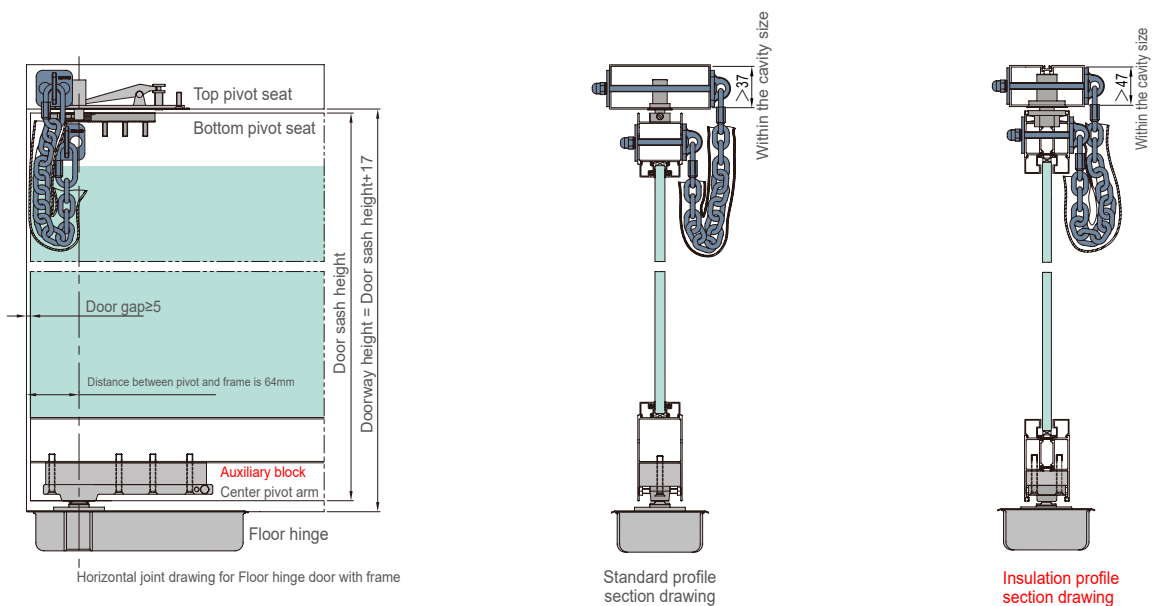
Installation location: Installed at the top of the door sash and door frame  
Applicable door weight: 65~400kg

■ BDP10002 Safety chain **New**



Installation location: Installed at the top of the door sash and door frame  
Applicable door weight: 65~400kg  
Applicable door sash thickness is 40~90mm  
Applicable door frame thickness is 70~130mm

### Installation Diagram

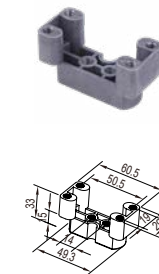


## Auxiliary block of floor hinge accessories (optional)

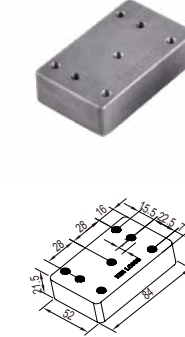
■ BDP10201 Upper pivot seat block



■ BDP10301 Upper pivot seat block



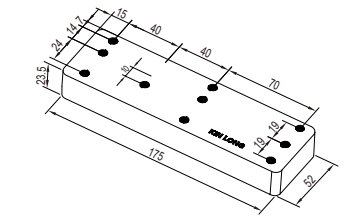
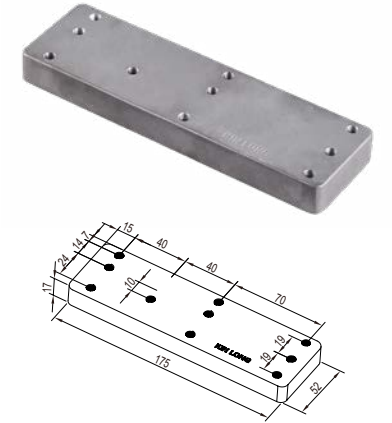
■ BDP10202 Pivot base block



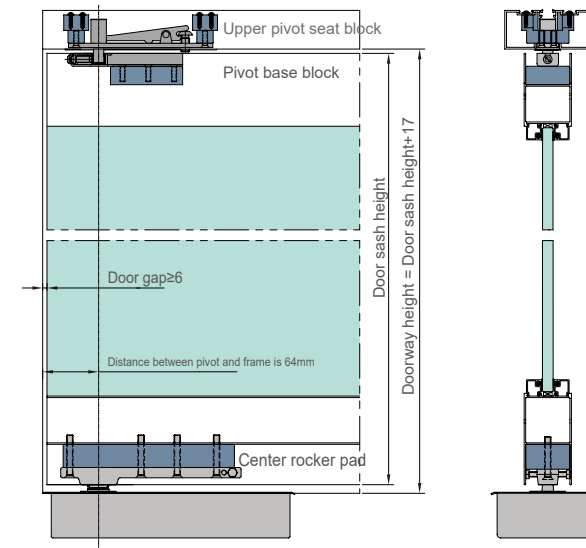
■ BDP10303 Center rocker pad



■ BDP10203 Center rocker pad



### Installation Diagram



Note: Standard product has no auxiliaryblock, the thickness of auxiliaryblock is based on the cavity of profile

### Floor hinge accessories auxiliaryblock

Name	Code	Upper pivot seat block	Pivot base block	Center rocker pad
Top pivot seat	DS05	BDP10201/ BDP10301	/	/
	BDP30001			
Bottom pivot seat	DX05	/	BDP10202	/
	DX03			
Center pivot arm	DY05	/	/	BDP10203/ BDP10303



**Configuration comparison table of standard floor hinge accessories**

No.	Floor hinge code	Standard profile			Insulation profile								
		Top pivot seat code	Bottom pivot seat code	Center pivot arm code	Top pivot seat code	Bottom pivot seat code	Center pivot arm code						
1	BDH80116/BDH80216	BDP30001	DX03										
2	HD101/HDF101	DS05	DX05										
3	HD102												
4	HD103/BDH10003												
5	HD201												
6	BDH20114	BDP30001	DX03	DY05	BDP70001/ BDP70201/ BDP70301	DX07/BDP70202/ BDP70302	DY07/BDP70203/ BDP70303						
7	BDH20216												
8	BDH20214/BDH20204												
9	HD203/HDF203												
10	HD204												
11	BDH20314/BDH20304												
12	BDH20315/BDH20305												
13	HD205/HDF205												
14	HD304												
15	HD305												
16	HD403	BDP40001	DX04	DY05E	BDP70001	DX07	DY07						
17	HD405												
18	HD406/HDF406												
19	BDH40017												
20	HD407/BDH40008												
21	BDH50011/BDH50001												
22	BDH50112							BDP60103	BDP60003		/	/	/
23	BDH50012												
24	BDH50013												
25	BDH50014												

**Matters need attention:**

- The selection is mainly based on the width, weight of the door and the actual situation of the project; Improper selection will affect the using effectiveness and product life.
- Glass door weight (kg) = glass area (m<sup>2</sup>) x glass thickness (mm) x 2.56 (density)
- Profile door weight (kg) = glass area (m<sup>2</sup>) x glass thickness (mm) x 2.56 (density) x 1.2 (safety coefficient)
- Whole door weight (kg) = glass door weight / profile door weight + all parts weight




























Glass door weight list					
Common glass thickness	8mm	10mm	12mm	15mm	19mm
Weight per (m <sup>2</sup> )	20.5Kg	25.6Kg	30.7Kg	38.4Kg	48.6Kg
























Door Closer



**Door Closer List**

Product Categories	Diagram	Product code	Positioning type	Door width	Maximum Loading	Service life	Speed control	page
Electric door closer		BBM40015	Remote control 90° positioning	800~1200mm	150Kg	>500,000 Cycles	/	P65
		BBM40018	Remote control 90° positioning	800~1400mm	200Kg	>500,000 Cycles	/	P67
		BBM40005	Remote control 90° positioning	800~1200mm	150Kg	>500,000 Cycles	/	P71
		BBM40008	Remote control 90° positioning	800~1400mm	200Kg	>500,000 Cycles	/	P73
American Standard Certification		BBM60006	Non-hold	650~1500mm	15~150Kg	≥2000,000 Cycles	Two speed section	P93
		BBM60106	Non-hold	650~1500mm	15~150Kg	≥2000,000 Cycles	Two speed section	P94
		BBM60206	Non-hold	650~1500mm	15~150Kg	≥2000,000 Cycles	Two speed section	P95
		BBM60014(New)	Non-hold	650~1100mm	45~85kg	>500,000 Cycles	Two speed section	P96
Fire-proof certification		GA93-2CI(B401)	Non-hold	650~900mm	45Kg	>300,000 Cycles	Two speed section	P98
		GA93-3CI(B103)	Non-hold	850~1100mm	65Kg	>300,000 Cycles	Two speed section	P99
		GA93-4CI(B104)	Non-hold	1000~1250mm	85Kg	>300,000 Cycles	Two speed section	P100
		GA93-2PII(YB301)	Non-hold	650~900mm	45Kg	>200,000 Cycles	Two speed section	P101
		GA93-2PII(YB305)	Non-hold	850~1100mm	65Kg	>200,000 Cycles	Two speed section	P101
		GA93-2PII(YB306)	Non-hold	1000~1250mm	85Kg	>200,000 Cycles	Two speed section	P101
		XF93-2PI(BBM30114)	Non-hold	650~1100mm	45~85Kg	>300,000 Cycles	Two speed section	P102
		GA93-5CI(BBM80105)	Non-hold	1100~1300mm	100Kg	>300,000 Cycles	Two speed section	P103
		GA93-5CI(B415)	Non-hold	1150~1400mm	120Kg	>300,000 Cycles	Two speed section	P104
	European standard, Construction standard		B401	Non-hold	650~900mm	45Kg	>300,000 Cycles	Two speed section
		BBM10012	90°hold	650~900mm	45Kg	>500,000 Cycles	Two speed section	P108
		B103	Non-hold	850~1100mm	65Kg	>500,000 Cycles	Two speed section	P109
		BBM10013	90°hold	850~1100mm	65Kg	>500,000 Cycles	Two speed section	P110
		B701	Non-hold	650~900mm	45Kg	>500,000 Cycles	Two speed section	P111
		BZ701	Hold can be anywhere and withdrawn	650~900mm	45Kg	>500,000 Cycles	Two speed section	P112
		B802	Non-hold	650~900mm	45Kg	>500,000 Cycles	Two speed section	P113
		BZ802	Hold can be anywhere and withdrawn	650~900mm	45Kg	>500,000 Cycles	Two speed section	P114
		B803	Non-hold	850~1100mm	65Kg	>500,000 Cycles	Two speed section	P115
		B804	Non-hold	1000~1250mm	85Kg	>500,000 Cycles	Two speed section	P115

**Door Closer List**

Product Categories	Diagram	Code	Positioning type	Door width	Maximum Loading	Service life	Speed control	page
European standard, Construction standard		BZ803	Hold can be anywhere and withdrawn	850~1100mm	65Kg	>500,000 Cycles	Two speed section	P116
		BZ804	Hold can be anywhere and withdrawn	1000~1250mm	85Kg	>500,000 Cycles	Two speed section	P116
		BBM80103	Non-hold	850~1100mm	65Kg	>300,000 Cycles	Two speed section	P117
		BBM80104	Non-hold	1000~1250mm	85Kg	>300,000 Cycles	Two speed section	P117
		BBM80113	Hold can be anywhere and withdrawn	850~1100mm	65Kg	>300,000 Cycles	Two speed section	P118
		BBM80114	Hold can be anywhere and withdrawn	1000~1250mm	85Kg	>300,000 Cycles	Two speed section	P118
		BBM90002	Non-hold	650~900mm	45Kg	>500,000 Cycles	Two speed section	P119
		BBM90003	Non-hold	850~1100mm	65Kg	>500,000 Cycles	Two speed section	P119
		BBM90012	Hold can be anywhere and withdrawn	650~900mm	45Kg	>500,000 Cycles	Two speed section	P120
		BBM90013	Hold can be anywhere and withdrawn	850~1100mm	65Kg	>500,000 Cycles	Two speed section	P120
		BBM90103	Non-hold	850~1100mm	65Kg	>500,000 Cycles	Two speed section	P121
		BBM90104	Non-hold	1000~1250mm	85Kg	>500,000 Cycles	Two speed section	P122
		BBM90004	Non-hold	1000~1250mm	85Kg	>500,000 Cycles	Two speed section	P123
		BBM90006	Non-hold	850~1600mm	85Kg~150Kg	>500,000 Cycles	Two speed section	P124
		B104	Non-hold	1000~1250mm	85Kg	>300,000 Cycles	Two speed section	P125
		BBM10014	90°hold	1000~1250mm	85Kg	>300,000 Cycles	Two speed section	P126
		BBM80105	Non-hold	1100~1300mm	100Kg	>500,000 Cycles	Two speed section	P127
		BBM80212	Hold can be anywhere and withdrawn	650~900mm	45Kg	>300,000 Cycles	Two speed section	P128
		BBM90105(New)	Non-hold	650~1200mm	25-120kg	>500,000 Cycles	Two speed section	P129
		B415	Non-hold	1150~1400mm	120Kg	>500,000 Cycles	Two speed section	P130
	BBM90115	Hold can be anywhere and withdrawn	650~1200mm	25~85Kg	>500,000 Cycles	Two speed section	P131	
	YB301	Hold can be anywhere and withdrawn	650~900mm	45Kg	>500,000 Cycles	Two speed section	P132	
	YB305	Hold can be anywhere and withdrawn	850~1100mm	65Kg	>500,000 Cycles	Two speed section	P132	
	YB306	Hold can be anywhere and withdrawn	1000~1250mm	85Kg	>500,000 Cycles	Two speed section	P132	
	BBM30112	Hold can be anywhere and withdrawn	650~900mm	45Kg	>300,000 Cycles	Two speed section	P133	
	BBM30113	Hold can be anywhere and withdrawn	850~1100mm	65Kg	>500,000 Cycles	Two speed section	P134	
	BBM30114	Hold can be anywhere and withdrawn	650~1100mm	45~85Kg	>500,000 Cycles	Two speed section	P135	
	BBM30115	Hold can be anywhere and withdrawn	1100~1300mm	100Kg	>300,000 Cycles	Two speed section	P136	

**Door closer function check list**

Product code	Surface installed Concealed Installation	Opening-delayed type	Opening-Bufferd type	Torque adjustable	Electrical	Opening angle				hold	Non-hold	Two speed section
						90°	110°	135°	180°			
BBM40015	●				●					●		
BBM40018	●				●					●		
BBM40005	●				●					●		
BBM40008	●				●					●		
BBM60006	●		●	●					●	●	●	●
BBM60106	●		●	●					●	●	●	●
BBM60206	●		●	●					●	●	●	●
BBM60014(New)		●		●			●			●	●	●
GA93-2CI(B401)	●							●		●	●	●
GA93-3CI(B103)	●							●		●	●	●
GA93-4CI(B104)	●							●		●	●	●
GA93-2PII (YB301)		●					●			●	●	●
GA93-2PII (YB305)		●					●			●	●	●
GA93-2PII(YB306)		●					●			●	●	●
XF93-2PI(BBM30114)		●		●			●			●	●	●
GA93-5CI(BBM80105)	●							●		●	●	●
GA93-5CI(B415)	●							●		●	●	●
B401	●							●		●	●	●
BBM10012	●						●			●	●	●
B103	●							●		●	●	●
BBM10013	●						●			●	●	●
B701	●							●		●	●	●
BZ701	●						●			●	●	●
B802	●							●		●	●	●
BZ802	●						●			●	●	●
B803	●							●		●	●	●
B804	●							●		●	●	●
BZ803	●						●			●	●	●

**Door closer function check list**

Code	Surface installed Concealed Installation	Opening-delayed type	Opening-Bufferd type	Torque adjustable	Electrical	Opening angle				hold	Non-hold	Two speed section
						90°	110°	135°	180°			
BZ804	●					●				●		●
BBM80103	●							●			●	●
BBM80104	●							●			●	●
BBM80113	●					●				●		●
BBM80114	●					●				●		●
BBM90002	●							●			●	●
BBM90003	●							●			●	●
BBM90012	●					●				●		●
BBM90013	●					●				●		●
BBM90103	●		●					●			●	●
BBM90104	●		●					●			●	●
BBM90004	●							●			●	●
BBM90006	●		●	●				●			●	●
B104	●							●			●	●
BBM10014	●					●				●		●
BBM80105	●							●			●	●
BBM80212	●					●				●		●
BBM90105(New)	●	●	●	●				●			●	●
B415	●							●			●	●
BBM90115	●	●	●	●		●				●		●
YB301		●				●				●		●
YB305		●				●				●		●
YB306		●				●				●		●
BBM30112		●				●				●		●
BBM30113		●				●				●		●
BBM30114		●		●		●				●		●
BBM30115		●				●				●		●

Door Closer

Door Closer



# Electric Door Closer

Contactless door hardware integration solutions



Remote door opening



Induction door opening



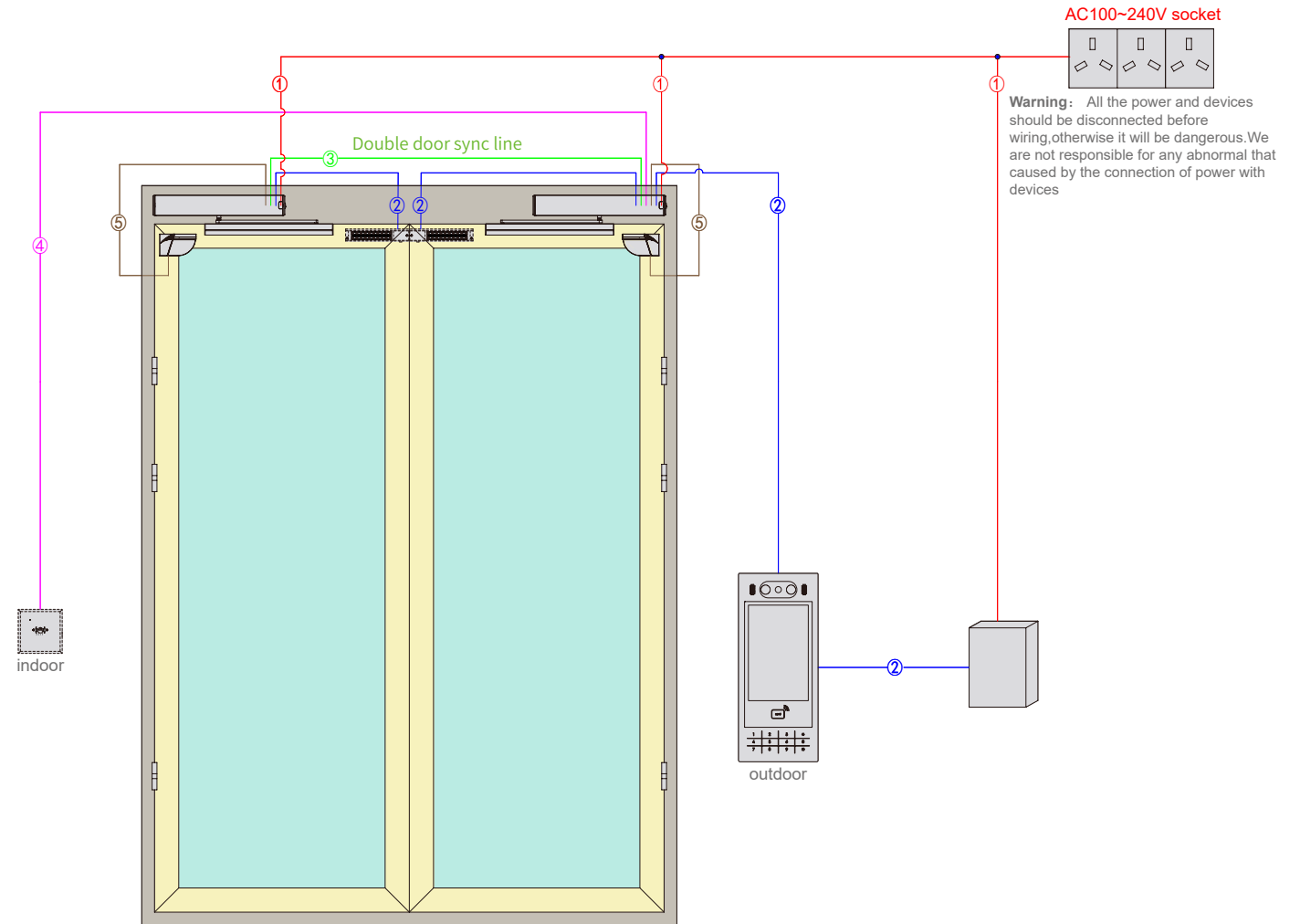
Face recognition door opening



Password/  
fingerprint/card to open the door

## Construction wiring diagram and precautions for the integrated configuration scheme of electric door closers:

- ① =RVV-3×1.5mm<sup>2</sup>, optional line pipe φ10mm pull wire, use this line type to indicate: —
  - ② =RVV-2×0.5mm<sup>2</sup>, optional line pipe φ10mm pull wire, use this line type to indicate: —
  - ③ =RVV-3×0.5mm<sup>2</sup>, optional line pipe φ10mm pull wire, use this line type to indicate: —
  - ④ =RVV-4×0.5mm<sup>2</sup>, optional line pipe φ10mm pull wire, use this line type to indicate: —
  - ⑤ =RVV-6×0.5mm<sup>2</sup>, optional wire tube φ10mm pull wire, use this line type to indicate: —
- Cable information is reasonably pulled according to the actual situation on site



### Precautions for installation and wiring:

1. This wiring diagram is a simplified schematic diagram of symbols. For detailed function debugging and port wiring positions, please operate according to the installation instructions.
2. This wiring diagram: the left door is the driven door, and the right door is the active door. If the positions of the master and slave doors are opposite, the corresponding wiring distribution should also be changed simultaneously.
3. The product position shown by the solid line is placed on the outside, and the product position shown by the dotted line is placed on the inside
4. Please select the electric door closer according to the load-bearing capacity and width of the door sash.
5. Installation precautions: the height of the door frame should be  $\geq 130\text{mm}$ .
6. Voltage designing is suitable for various wide range and power for AC100V-240V.
7. Electric door closers are only suitable for one-way opening not applicable for two-way opening.
8. The electric door closer and its supporting electronic products do not have the waterproof function, and cannot be installed in the outdoor, humid, snowy and other environments. The installation site must have conditions for sheltering from rain.
9. Under the power-on condition, the electric door closer product itself has the function of automatically opening and closing the door, and it is forbidden to apply external force to force the opening and closing of the door.
10. The safety sensor devices without safety light screen and laser sensor can not be used for anti-striking and anti-clamping. We will not be responsible any abnormal that caused by the unsuitable installation.
11. Due to the differences in voltage, current, power and other factors of electronic products, we cannot guarantee that other companies' electronic products can be used with our electric door closers. We will not be responsible for any abnormalities.



# BBM40015

Electric door closer

Hold Electric



### Functional Characteristic

- Past qualify— GB/T 34616 General Technical Requirements Test for Pedestrian Automatic Doors
- Past qualify— JG/T 305 Pedestrian Automatic Door Safety Requirements Test
- Past qualify EN16005 EU CE certification  
Only meet one-way opening; Stop or move backward when meets obstacle, safe and convenient
- Both left and right doors can be used, regardless of left and right side.
- suitable for wooden doors, metal doors, framed doors and other door types
- Using brushless motor and Hall transducer, long life cycle, low working noise,
- Opening method: fingerprint/ access card/ switch/ sensor/ face recognition opening

☆Tips

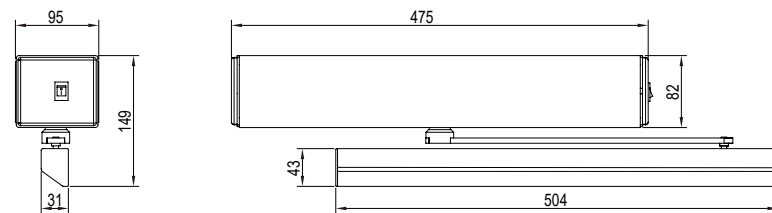
- 1.Electric door closer can realizes various functions, it is necessary to order optional accessories according to different functional characteristics
- 2.Safety light curtain and sensor installing place should avoid direct sunlight.
- 3.Electric door closers and their supporting electronic products are not waterproof, and cannot be installed in outdoor, humid, snowy and other environments. The installation site must have conditions for sheltering from rain.

Additional device (Multifunctional expansion)	● Standard ○ Optional	page
Remote controls	●	P67
Switch	○	P80
Microwave sensor	○	P80
Magnetic lock	○	P306
Safety light curtain	○	P81
Door access control machine	○	P308
Laser sensor	○	P83-86
Contactless switch	○	P83
Backup power	○	P80
10 inch smart door cloud host (Need to configure Android cloud door host power supply)	○	Gemvary Products

### Technical Parameters

Max loading	150kg
Door width	800~1200mm
Life cycle	>500000 cycles
Motor	DC24V 55W(Brushless)
Voltage	AC100~240V
Frequency	50 Hz~60 Hz
Open door operation speed	≤300mm/s
Speed of closed door operation	≤300mm/s
Buffer speed	10 ~ 50mm/s
Open door hold time	1 ~ 20s(Adjustable)
Manual opening force	≤150N
Reverse blocking force	≤220N
Running noise	≤60dB
Working temperature	-20~55°C
Switchboard power consumption	80W

### Dimensions

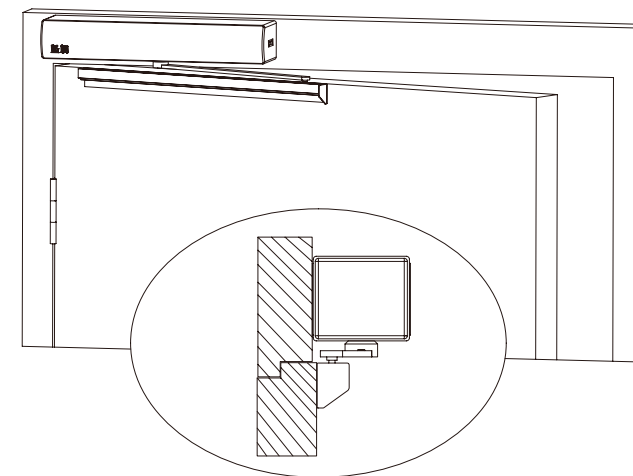


### Standard Products

BBM40015-01 Remote Controls



### Installation schematic



Installation form	Upside down installation
Opening direction	Open inward
Hinge installation	Indoor
Motor switch orientation	Right
Preload angle	No need preload
Maximum opening angle	110°

# BBM40018

Electric door closer

Hold Electric



### Functional Characteristic

- Past qualify— GB/T 34616 General Technical Requirements Test for Pedestrian Automatic Doors
- Past qualify— JG/T 305 Pedestrian Automatic Door Safety Requirements Test
- Past qualify EN16005 EU CE certification  
Only meet one-way opening; Stop or move backward when meets obstacle, safe and convenient
- Both left and right doors can be used, regardless of left and right side.
- suitable for wooden doors, metal doors, framed doors and other door types
- Using brushless motor and Hall transducer, long life cycle, low working noise,
- Opening method: fingerprint/ access card/ switch/ sensor/ face recognition opening

☆Tips

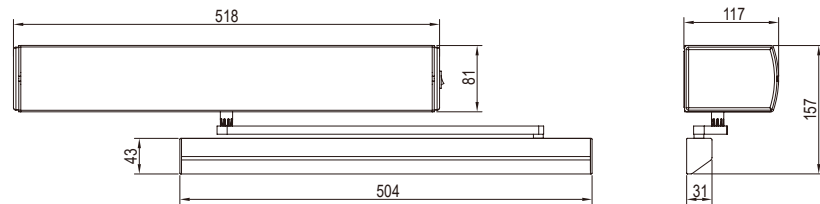
- 1.Electric door closer can realizes various functions, it is necessary to order optional accessories according to different functional characteristics
- 2.Safety light curtain and sensor installing place should avoid direct sunlight.
- 3.Electric door closers and their supporting electronic products are not waterproof, and cannot be installed in outdoor, humid, snowy and other environments. The installation site must have conditions for sheltering from rain.

Additional device (Multifunctional expansion)	● Standard ○ Optional	page
Remote controls	●	P69
Switch	○	P80
Microwave sensor	○	P80
Magnetic lock	○	P306
Safety light curtain	○	P81
Door access control machine	○	P308
Laser sensor	○	P85-88
Contactless switch	○	P83
Backup power	○	P80
10 inch smart door cloud host (Need to configure Android cloud door host power supply)	○	Gemvary Products

### Technical Parameters

Max loading	200kg
Door width	800~1400mm
Life cycle	>500000 cycles
Motor	DC24V 55W(Brushless)
Voltage	AC100~240V
Frequency	50 Hz~60 Hz
Open door operation speed	≤300mm/s
Speed of closed door operation	≤300mm/s
Buffer speed	10 ~ 50mm/s
Open door hold time	0 ~ 60s(Adjustable)
Manual opening force	≤150N
Reverse blocking force	≤220N
Running noise	≤60dB
Working temperature	-20~55°C
Switchboard power consumption	85W

### Dimensions

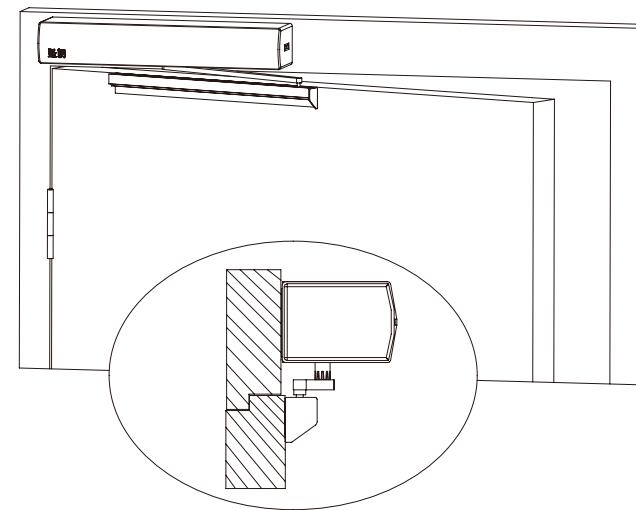


### Standard Products

BBM40015-01 Remote Controls



### Installation schematic

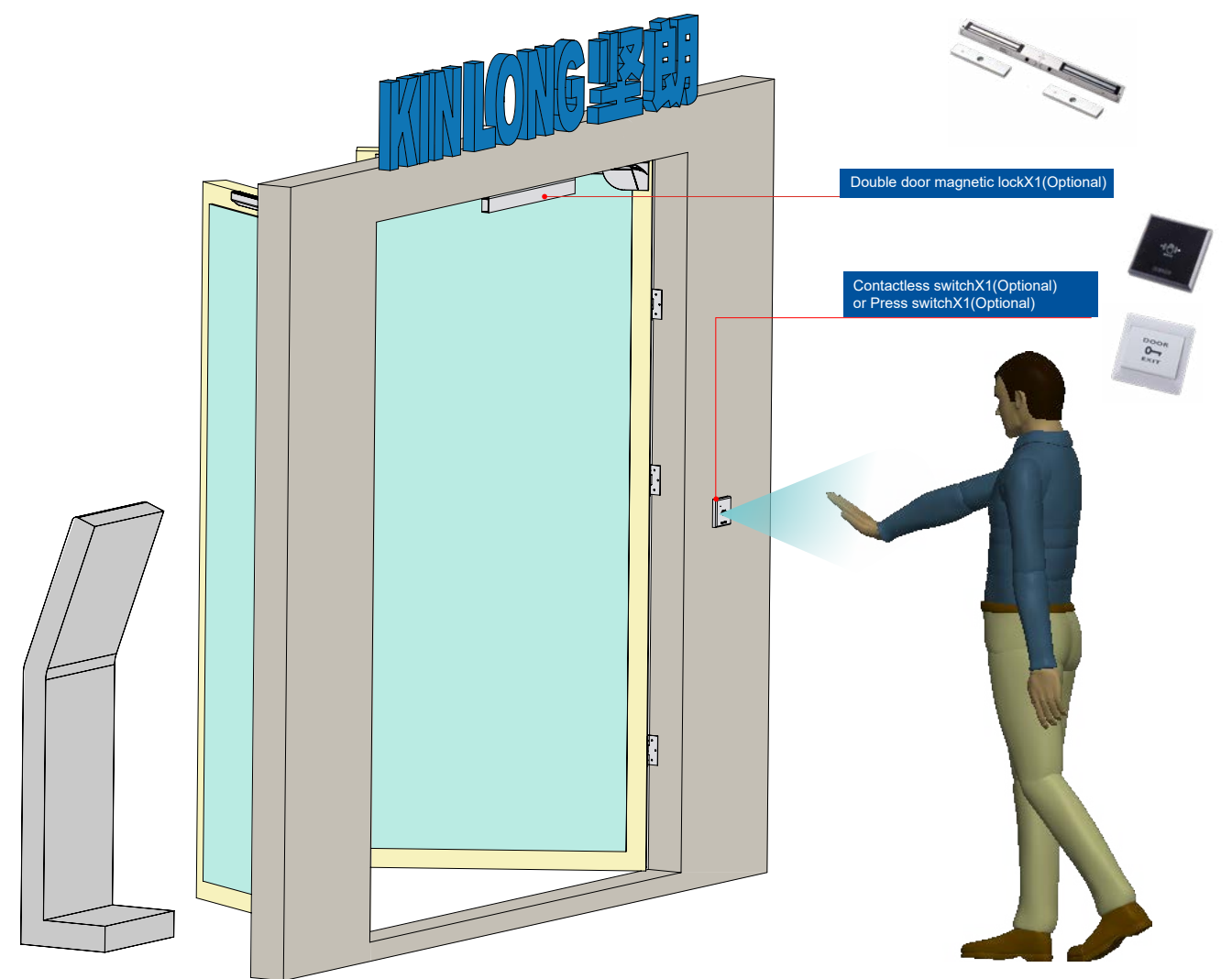


Installation form	Upside down installation
Opening direction	Open inward
Hinge installation	Indoor
Motor switch orientation	Right
Preload angle	No need preload
Maximum opening angle	110°

Electric door closer, rocker arm type contactless door hardware integrated configuration scheme (outdoor)



Electric door closer, rocker arm type contactless door hardware integrated configuration scheme (indoor)



# BBM40005

Electric door closer

Hold Electric



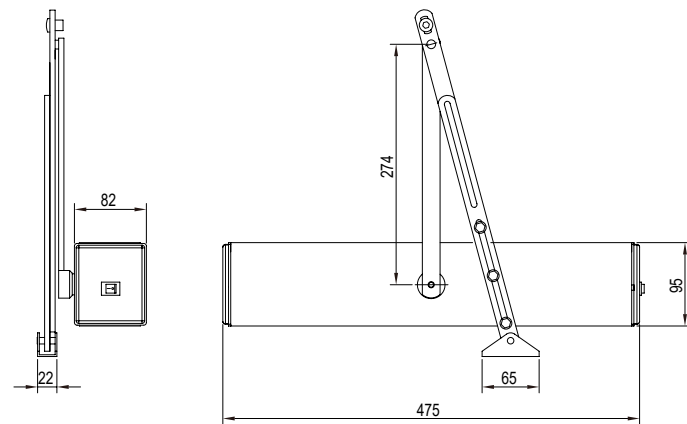
Door Closer

Door Closer

### Technical Parameters

	Max loading	150kg
	Door width	800~1200mm
	Life cycle	>500000 cycles
	Motor	DC24V 55W(Brushless)
	Voltage	AC100~240V
	Frequency	50 Hz~60 Hz
	Open door operation speed	≤300mm/s
	Speed of closed door operation	≤300mm/s
	Buffer speed	10 ~ 50mm/s
	Open door hold time	1 ~ 20s(Adjustable)
	Manual opening force	≤150N
	Reverse blocking force	≤220N
	Running noise	≤60dB
	Working temperature	-20~55°C
	Switchboard power consumption	85W

### Dimensions



### Standard Products

BBM40015-01 Remote Controls



### Functional Characteristic

- Past qualify— GB/T 34616 General Technical Requirements Test for Pedestrian Automatic Doors
- Past qualify— JG/T 305 Pedestrian Automatic Door Safety Requirements Test
- Past qualify EN16005 EU CE certification  
Only meet one-way opening; Stop or move backward when meets obstacle, safe and convenient
- Both left and right doors can be used, regardless of left and right side.
- suitable for wooden doors, metal doors, framed doors and other door types
- Using brushless motor and Hall transducer, long life cycle, low working noise,
- Opening method: fingerprint/ access card/ switch/ sensor/ face recognition opening

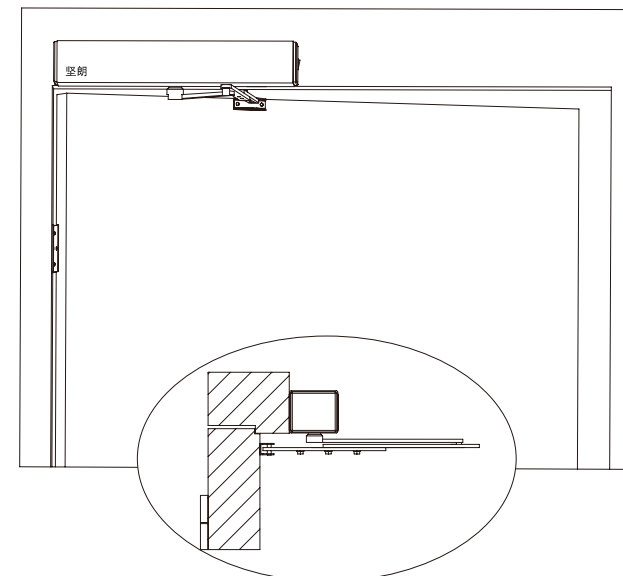
#### ☆Tips

- 1.Electric door closer can realizes various functions, it is necessary to order optional accessories according to different functional characteristics
- 2.Safety light curtain and sensor installing place should avoid direct sunlight.
- 3.Electric door closers and their supporting electronic products are not waterproof, and cannot be installed in outdoor, humid, snowy and other environments. The installation site must have conditions for sheltering from rain.

### Additional device (Multifunctional expansion)

	● Standard	○ Optional	page
Remote controls	●		P73
Switch	○		P80
Microwave sensor	○		P80
Magnetic lock	○		P306
Safety light curtain	○		P81
Door access control machine	○		P308
Laser sensor	○		P85-88
Contactless switch	○		P83
Backup power	○		P80
10 inch smart door cloud host (Need to configure Android cloud door host power supply)	○		Gemvary Products

### Installation schematic



Installation form	Upside down installation
Opening direction	Open-out
Hinge installation	Outdoor
Motor switch orientation	Right
Preload angle	No need preload
Maximum opening angle	110°



# BBM40008

Electric door closer

Hold Electric



### Functional Characteristic

- Past qualify— GB/T 34616 General Technical Requirements Test for Pedestrian Automatic Doors
- Past qualify— JG/T 305 Pedestrian Automatic Door Safety Requirements Test
- Past qualify EN16005 EU CE certification  
Only meet one-way opening; Stop or move backward when meets obstacle, safe and convenient
- Both left and right doors can be used, regardless of left and right side.
- suitable for wooden doors, metal doors, framed doors and other door types
- Using brushless motor and Hall transducer, long life cycle, low working noise,
- Opening method: fingerprint/ access card/ switch/ sensor/ face recognition opening

☆Tips

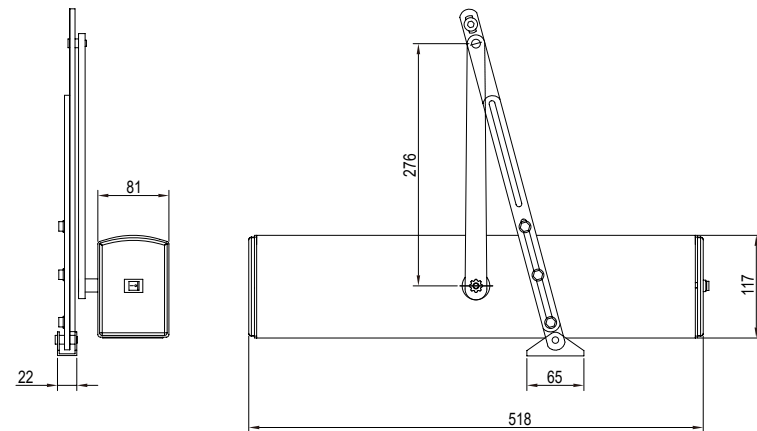
- 1.Electric door closer can realizes various functions, it is necessary to order optional accessories according to different functional characteristics
- 2.Safety light curtain and sensor installing place should avoid direct sunlight.
- 3.Electric door closers and their supporting electronic products are not waterproof, and cannot be installed in outdoor, humid, snowy and other environments. The installation site must have conditions for sheltering from rain.

Additional device (Multifunctional expansion)	● Standard ○ Optional	page
Remote controls	●	P75
Switch	○	P80
Microwave sensor	○	P80
Magnetic lock	○	P306
Safety light curtain	○	P81
Door access control machine	○	P308
Laser sensor	○	P85-88
Contactless switch	○	P83
Backup power	○	P80
10 inch smart door cloud host (Need to configure Android cloud door host power supply)	○	Gemvary Products

### Technical Parameters

Max loading	200kg
Door width	800~1400mm
Life cycle	>500000 cycles
Motor	DC24V 55W(Brushless)
Voltage	AC100~240V
Frequency	50 Hz~60 Hz
Open door operation speed	≤300mm/s
Speed of closed door operation	≤300mm/s
Buffer speed	10 ~ 50mm/s
Open door hold time	0 ~ 60s(Adjustable)
Manual opening force	≤150N
Reverse blocking force	≤220N
Running noise	≤60dB
Working temperature	-20~55°C
Switchboard power consumption	85W

### Dimensions

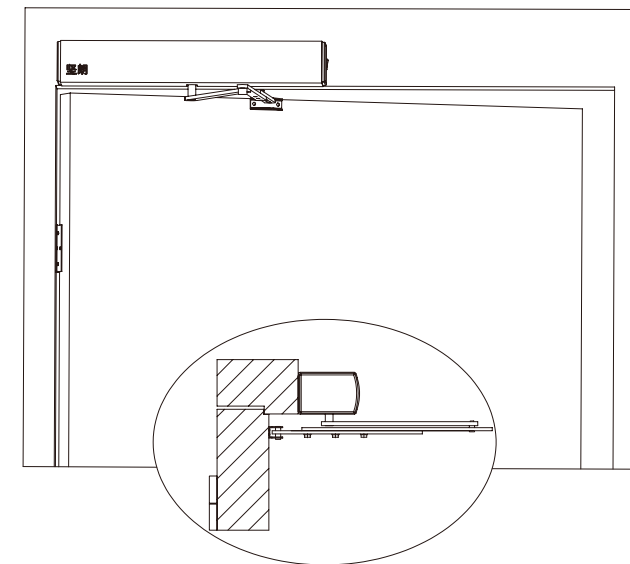


### Standard Products

BBM40015-01 Remote Controls

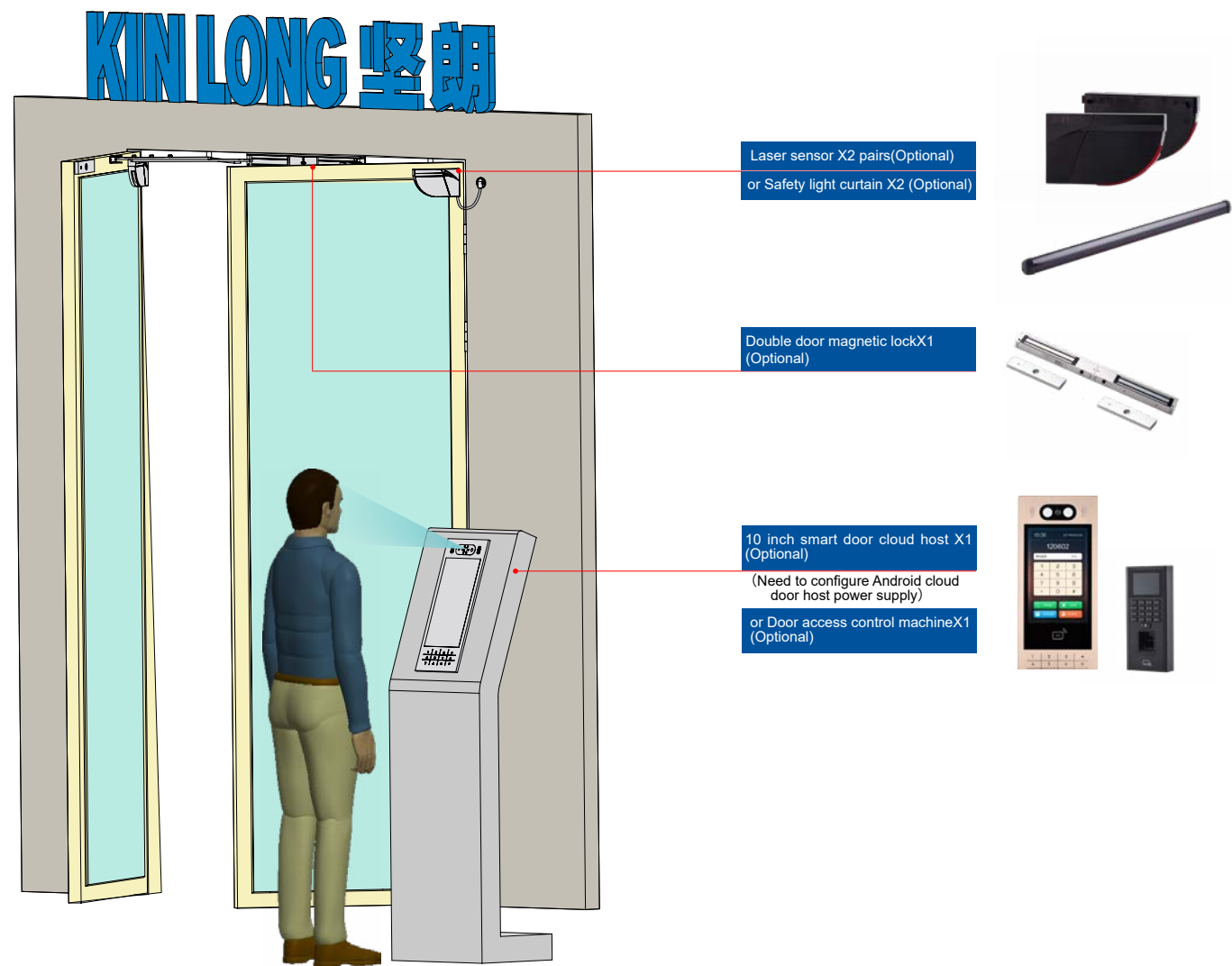


### Installation schematic

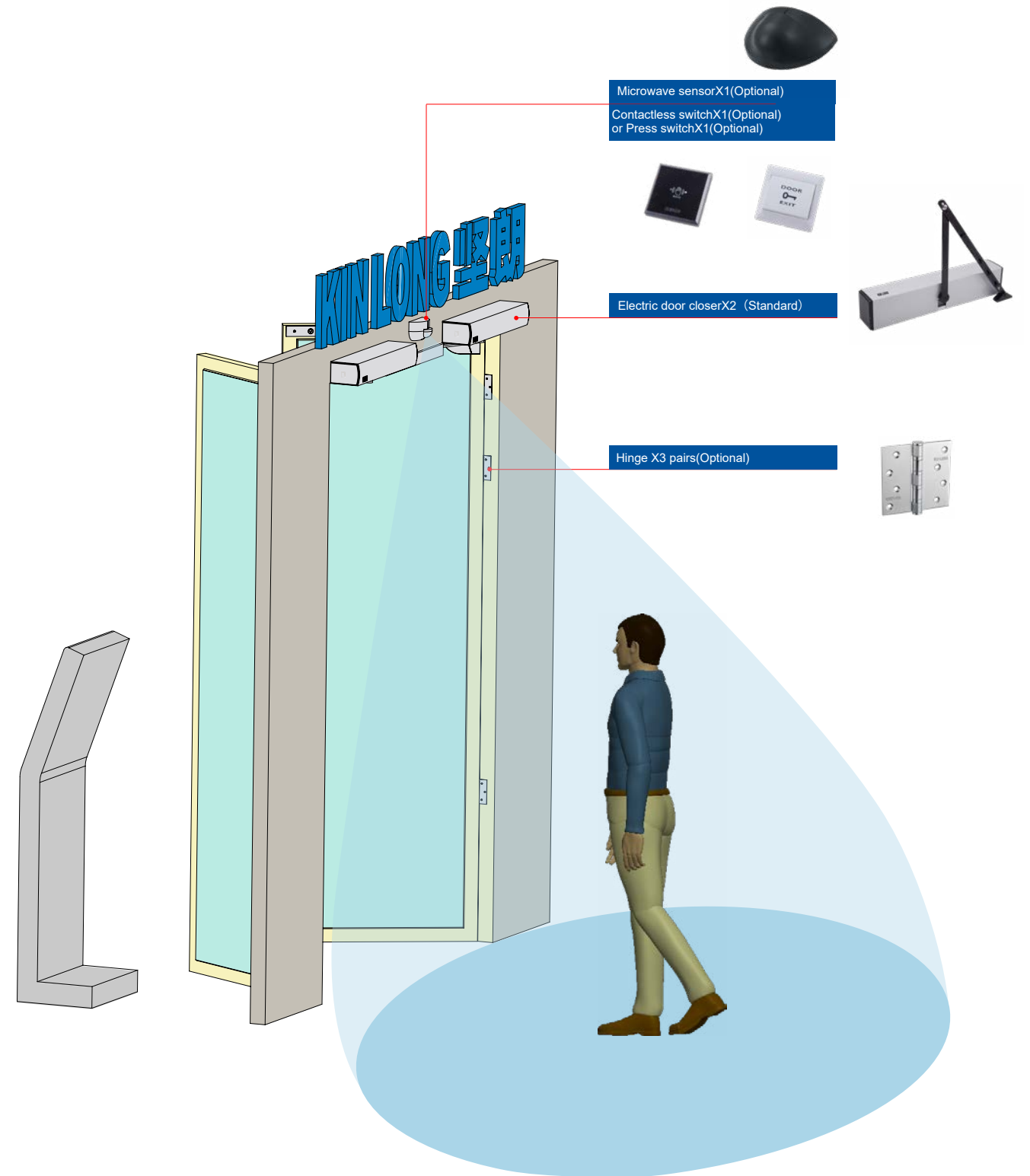


Installation form	Upside down installation
Opening direction	Open-out
Hinge installation	Outdoor
Motor switch orientation	Right
Preload angle	No need preload
Maximum opening angle	110°

Electric door closer, rocker arm type contactless door hardware integrated configuration scheme (outdoor)



Electric door closer, rocker arm type contactless door hardware integrated configuration scheme (indoor)





### Standard accessories for electric floor hinges and door closers

BBM40015-10 Switch



main material	ABS
Dimensions	86*86(panel)
Features	Click to open the door (press type)
Applicable product model	BBM40015/BBM40005
	BBM40018/BBM40008
	BDH80116/BDH80216

BBM40015-09 Microwave Sensor



main material	ABS
Surface treatment	black
Technical Principle	Microwave Doppler radar
Transmit frequency	24.15GHz
Transmit power	< 5 mW /cm <sup>2</sup>
Installation height	≤3.2m
Operating Voltage	AC/DC 12V-24V
Detection method	mobile
Applicable product model	BBM40015/BBM40005/BBM40018/BBM40008
	BDH80116/BDH80216

BBP40501 Backup power



Types of	Rechargeable lead-acid battery
Capacity	24V/5.6AH
Power supply time	Normal power supply for 2h
Applicable product model	BBM40015/BBM40005
	BBM40018/BBM40008
Standard	1 charger and 1 set of rechargeable lead-acid

BDP80001 backup battery



physical dimension	155mmX50mmX70mm
Input voltage	DC24V
The output voltage	DC24V/2.6AH
Capacity	2000mAh
Endurance	Normal power supply for 2h
Applicable product model	BDH80116/BDH80216

# BBP40101

Safety light curtain

Electric



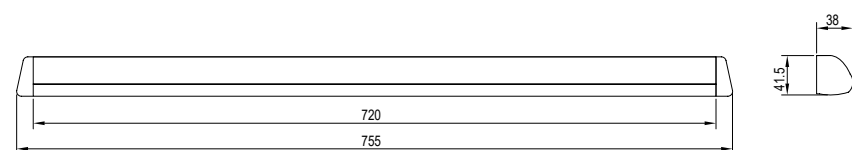
### Technical Parameters

Sensing height	< 2.5 m
Detection area	100-2500 mm(Static) 500-2500 mm(Move)
Response time	About 30 ms
Input voltage	17-30 VDC 18-28 VAC
Current consumption	< 110 mA
Test input	+UB = 17-30 VDC(Static mode only)
Response time (with test signal)	Max 500 ms
Output	Relay, converter contact 48 VAC/DC, 0.5AAC/1A DC 55 VA/24 W
Release time after detection	Maximum 150 ms (static) Maximum 2 s (moving)
Operating temperature	-20°C to 60°C
Environment humidity	< 95%, no condensation

### Functional Characteristic

- The detection area can be adjusted freely, the maximum sensing height is 2.5m, suitable for all kinds of automatic swing doors.
- When the red LED light detects an object, it will glow to ensure the safety of the door sash area.
- The safety light curtain has the functions of anti-collision and anti-pinch. It can stop the door sash when it senses obstacles, providing safety protection.
- When installing the safety light curtain, avoid exposure to rain and direct sunlight on the head position.

### Dimensions



### Installation instructions

- When the installation height is 2 m, the spot diameter is about 75 mm
- Short response time (< 30 ms)
- Up to 2.5m



### application

#### Dangerous spots on swing doors

**Solution:** Effectively protect people and objects to prevent being caught by the door  
**Advantages:** The safety light curtain device can protect all sides to the greatest extent. Can be installed when moving or stationary



#### Start and protect the swing door

**Solution:** Use the safety light curtain as the door opening sensor, other sensor modules can be used with this product Used together to strengthen protection  
**Advantages:** only one safety light curtain is needed to achieve door opening and protection functions

#### Enter through a swing door

**Solution:** Ensure that the primary and secondary hazardous areas are protected. In addition, the product also provides the best safety for the entire door sash  
**Advantages:** It is completely suitable for all kinds of doors. The safety light curtain device with moderate length can be selected according to your needs and quantity, and it can protect all areas to the greatest extent





# BBP40401

Contactless switch

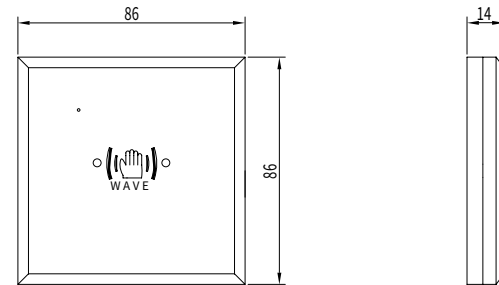
Electric



### Technical Parameters

Sensing distance	3-30cm
Power supply	AC / DC 12 - 24 V
Quiescent Current	7.3 mA (DC 12 V power supply)
Operating current	4.2 mA (DC 12 V power supply)
Relay output	Normally open / normally closed
Relay contact capacity	24 V DC 1 A
Infrared modulation frequency	38 KHz
Response time	30 ms
Output hold time	100 ms
Operating temperature	-20°C ~45°C
Working humidity	10~90%RH

### Dimensions & Functional Characteristic

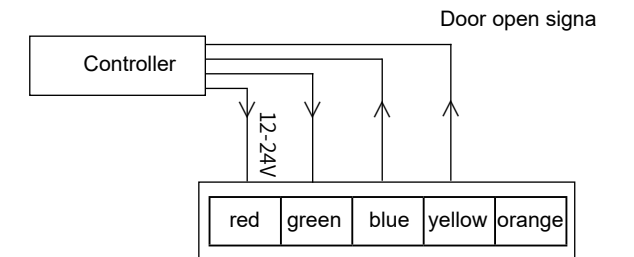


- The induction adopts infrared modulation and demodulation, which is not easy to be misjudged by interference.
- Contactlessly by hand or front of reflective objects, clean and hygienic. High-sensitivity infrared pair tube, prompt and convenient induction.
- Standard 86-type switch panel design, convenient for installation in various occasions.
- The panel adopts laser engraving technology, which is novel and fashionable.
- Relay dry contact output, convenient for connection with various door control equipment.

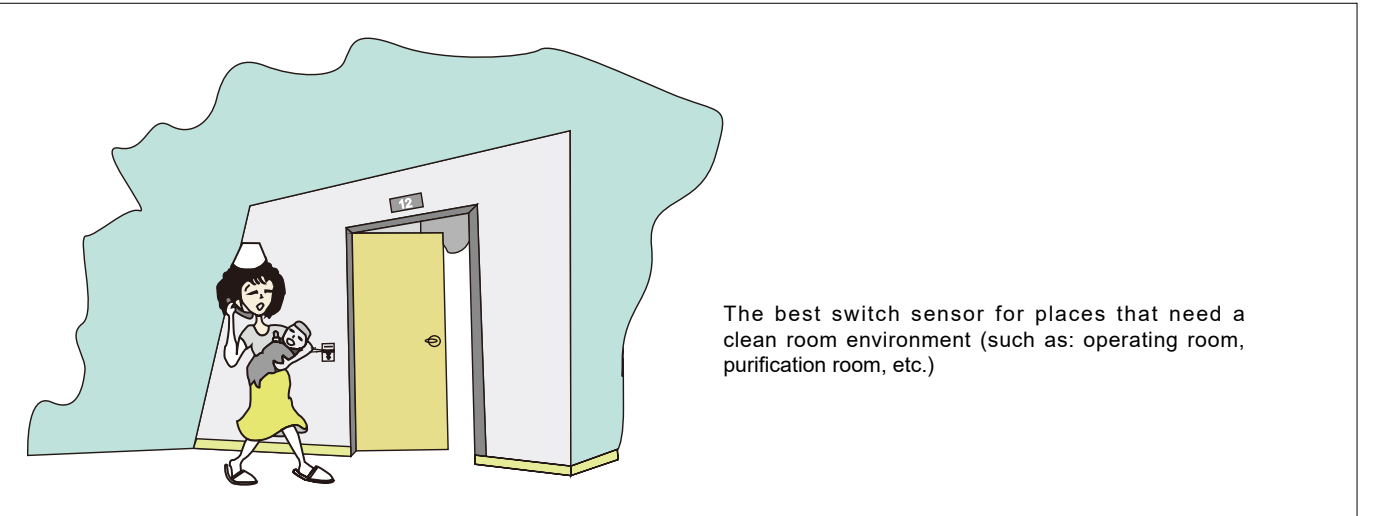
### Wiring instructions

orange	NC	Normally closed point
yellow	COM	Common point
blue	NO	Normally open
green	AC/DC	power input 12V~24V
red		

### Application wiring diagram



### Application purpose



# BBP40601

Laser sensor

Electric



### Optional accessories

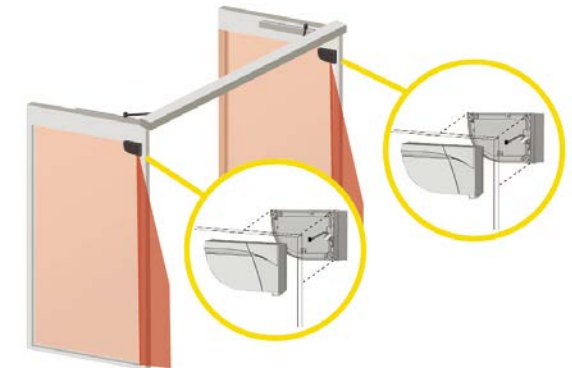
BBP40701 Remote Control (Optional)



Installation and debugging use, purchase separately

### Installation instructions

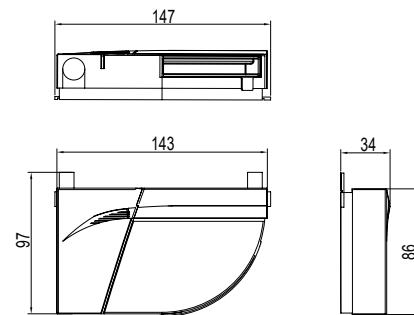
**⚠** In order to ensure safety, one set (2) of laser sensors must be installed on both the inside and outside of each door sash, and the two laser sensors are connected through the main accessory module connection cable.



### Technical Parameters

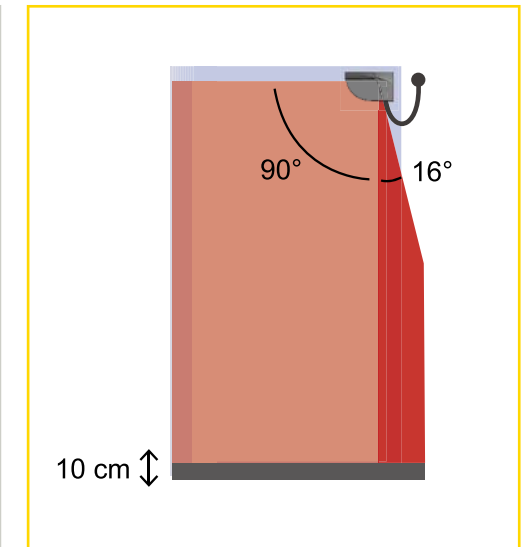
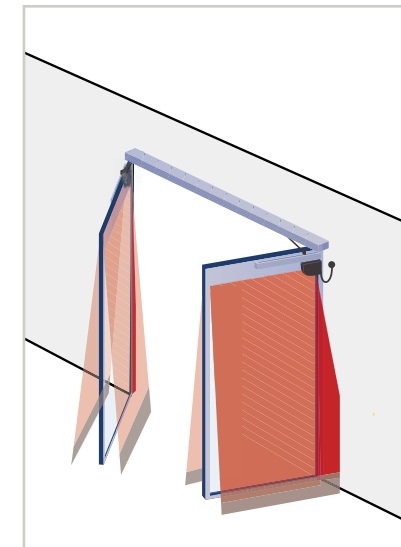
Maximum detection range	4m (diagonal), reflectivity 2% (that is, when the width is 1.5m, the highest is 3.7m)
Opening angle of detection area	Door sash protection zone: 90° / Anti-pinch protection zone: 16°
Angular resolution	Door sash protection zone: 1.3° / Anti-pinch protection zone: 0.2°
Standard minimum target size	10 cm @ 4m (Proportional to the distance to the target, DIP 2 = ON) 2 cm @ 4m (proportional to the distance to the target, DIP 2 = ON)
Test body	700mm × 300mm × 200mm (The test body CA conforms to EN 16005 and DIN 18650 standards)
Source characteristics	Infrared laser: wavelength 905nm; maximum output pulse power 25W; level 1
Supply voltage	12 ~ 24V DC ±15 %
power	≤ 2W
Response time	Door safety zone: up to 50ms / anti-pinch safety zone: up to 90ms
Output	2 electronic relays (isolated-no polarity) 42V AC/DC 100 mA
LED-signal	1 two-color LED: detection / output status
Material-color	PC/ASA-black
Slope	+2° ~ +10° (without mounting base)
Temperature range	-20°C ~ 60°C (Under power supply)
Environment humidity	0 ~ 95%, No condensation
Vibration	< 2G
Minimum door opening speed	2°/秒

### Dimensions & Functional Characteristic

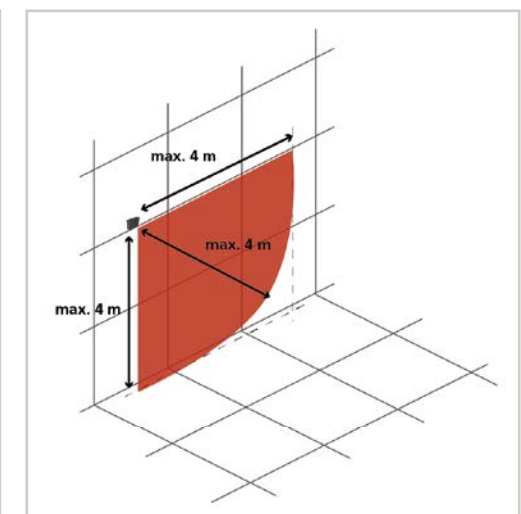
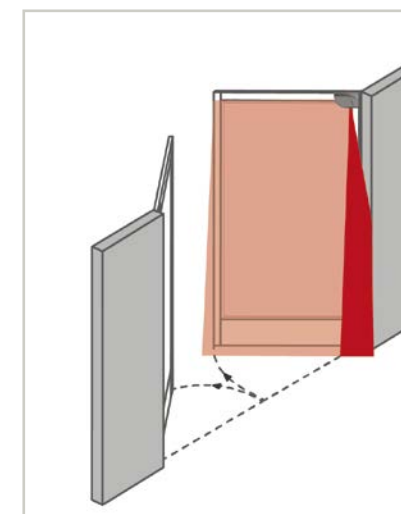


- The detection area is adjustable, up to 4m (diagonal), suitable for various automatic swing doors.
- 170 laser points, 100% ensure the safety of the door sash area. Not affected by the ground and environment, stable and reliable operation.
- Extended area protection function to ensure the safety of the door.
- Innovative hinge area protection can detect small objects like fingers.

### Detection area



■ Door safety area  
Standard target size: 10 cm @4 m
 ■ Anti-pinch safe area  
Standard target size: 2cm @4m
 ■ Blind spot  
Adjust by remote control, factory value: 10 cm



BBP40801L **New**

Laser sensor(one-sided)

Electric



BBP40801R **New**

Laser sensor(one-sided)

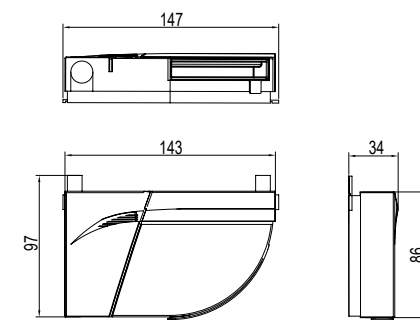
Electric



Technical Parameters

Maximum detection range	4m (diagonal), reflectivity 2% (that is, when the width is 1.5m, the highest is 3.7m)
Opening angle of detection area	Door sash protection zone: 90°
Angular resolution	Door sash protection zone: 1.3°
Standard minimum target size	10 cm @ 4m (Proportional to the distance to the target, DIP 2 = ON)
Door sector Anti-pinch area	
Test body	700mm × 300mm × 200mm(The test body CA conforms to EN 16005 and DIN 18650 standards)
Source characteristics	Infrared laser: wavelength 905nm; maximum output pulse power 25W; level 1
Supply voltage	12 ~ 24V DC ±15 %
power	≤ 2W
Response time	Door safety zone: up to 50ms
Output Maximum switching voltage	2 electronic relays (isolated-no polarity) 42V AC/DC 100 mA
LED-signal	1 two-color LED: detection / output status
Material-color	PC/ASA-black
Slope	+2° ~ +10° (without mounting base)
Temperature range	-20°C ~ 60°C(Under power supply)
Environment humidity	0 ~ 95%, No condensation
Vibration	< 2G
Minimum door opening speed	2"/秒

Dimensions & Functional Characteristic

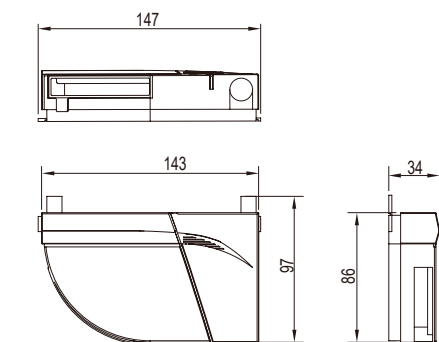


- The detection area is adjustable, up to 4m (diagonal), suitable for various automatic swing doors.
- Not affected by the ground and environment, stable and reliable operation.
- Extended area protection function to ensure the safety of the door.
- The hinge area does not have the anti-pinch function.

Technical Parameters

Maximum detection range	4m (diagonal), reflectivity 2% (that is, when the width is 1.5m, the highest is 3.7m)
Opening angle of detection area	Door sash protection zone: 90°
Angular resolution	Door sash protection zone: 1.3°
Standard minimum target size	10 cm @ 4m (Proportional to the distance to the target, DIP 2 = ON)
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Supply voltage	12 ~ 24V DC ±15 %
power	≤ 2W
Response time	Door safety zone: up to 50ms
Output Maximum switching voltage	2 electronic relays (isolated-no polarity) 42V AC/DC 100 mA
LED-signal	1 two-color LED: detection / output status
Material-color	PC/ASA-black
Slope	+2° ~ +10° (without mounting base)
Temperature range	-20°C ~ 60°C(Under power supply)
Environment humidity	0 ~ 95%, No condensation
Vibration	< 2G
Minimum door opening speed	2"/秒

Dimensions & Functional Characteristic



- The detection area is adjustable, up to 4m (diagonal), suitable for various automatic swing doors.
- Not affected by the ground and environment, stable and reliable operation.
- Extended area protection function to ensure the safety of the door.The
- hinge area does not have the anti-pinch function.



# Door Closer series

The housing is a high-strength die-cast aluminum alloy ADC12. After rough boring, fine boring, Ultrasonic cleaning, impregnation and other more than 20 procedures to ensure the accuracy and finish of the cylinder



- The piston is made of 45 # steel
- Tooth surface after high-frequency quenching HRC38 ° -43 ° Increases tooth surface wear resistance
- After rough grinding and fine grinding, and two surface treatments, the surface roughness is Ra0.2μm, the cylindricity is 0.005mm, the manufacturing precision of the gap between the piston and the cylinder is controlled at 0.02-0.025mm, and the mechanical properties are excellent.



The spring is made of high-quality 60Si2Mn, with good toughness, high strength, low temperature resistance, high fatigue resistance, and provides a strong door closing force for the door closer.



2-stage door lock speed regulator

1-stage closing speed regulator

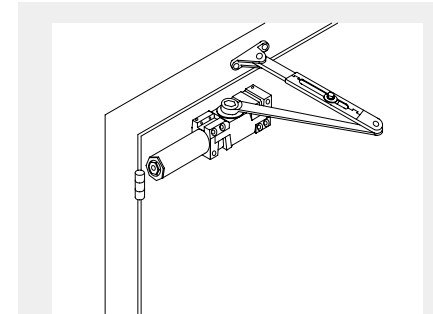


of needle bearings can greatly improve the mechanical efficiency, reduce the resistance to open the door, and improve the comfort of opening the door.

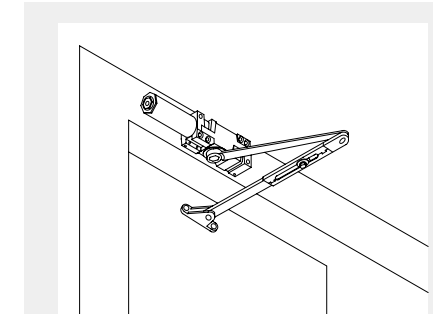
- Gear shaft is made of 20Cr round steel with good toughness
- Gear shaft heat treatment HRC 48 ° -52 ° hardness, low temperature resistance, high fatigue resistance
- After rough grinding and fine grinding, two surface treatments, surface roughness Ra 0.2μm, excellent mechanical properties.

## Installation

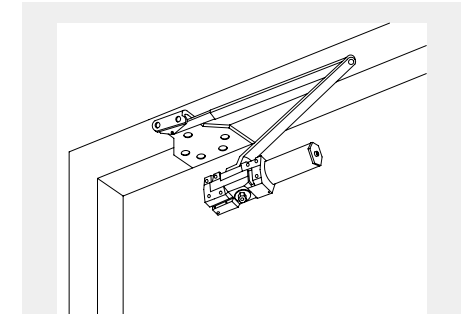
According to different uses and requirements, for each type of KIN LONG door closer, Client can choose different installation style such as standard installation, upside-down installation and parallel installation. When choosing parallel installation, you need to choose parallel bracket accessories



Standard Installation Illustration



Upside-down installation Illustration



Parallel Mounting Illustration

## Door closer Features

### Model selection: Select based on door weight and door width

Door closing level code	Recommended for maximum door sash weight	Recommended maximum door width	Applicable door type
1	20	750	Wooden door
2	40	850	Wooden door, guest room door, office door, stainless steel security door
3	60	950	Wooden door, steel security door, conference room door
4	80	1100	Wooden door, steel security door, security door
5	100	1250	Heavy steel door, anti-theft door, anti-prying door
6	120	1400	Extra heavy steel door, anti-theft door, anti-prying door
7	160	1600	Extra heavy warehouse door, garage door, large customized door

### Feature selection

Two-stage speed control range: 90°~15° is the closing phase, 15°~0° is the blocking phase.

90° holding(D)function: The door can be opened to the 90° position.

Door closing speed and blocking speed can be adjusted independently.

Door opening buffer(BC)function:

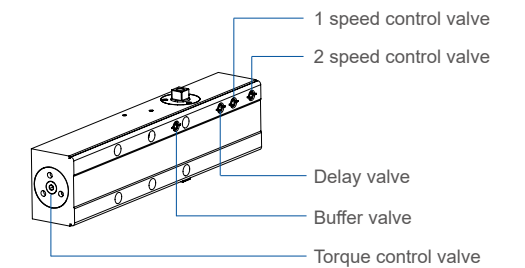
When the door opening angle is greater than 65°, there will be obvious resistance when opening the door.

Delay(DA)door closing function:

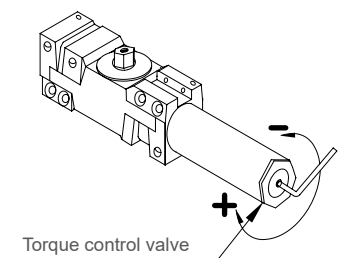
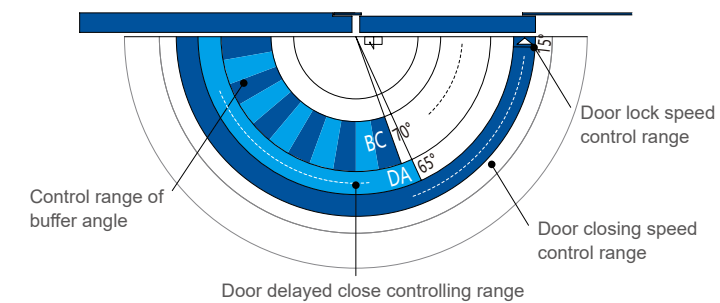
When the door opening angle is greater than 65°, the door sash will delay its closing time to 65° position and resume normal speed.

Door opening torque adjustment function:

By adjusting the number of turns of the torque regulating valve, the requirements of different door widths and weights can be realized.



### Functional angle range





# American Standard Door closers

Door opening buffer&Torque adjustment



UL certification is mainly for testing and certification of product safety performance. It is the most authoritative certification in the United States. The product meets the American standard ANSI/BHMA A156.4 first-class requirements 2 million times durability test, passed UL228, UL10C (3h fire resistance requirements) American standard door closers are widely used in places such as subways, rail transit, high-speed rail, airports, hotels and commercial complexes.

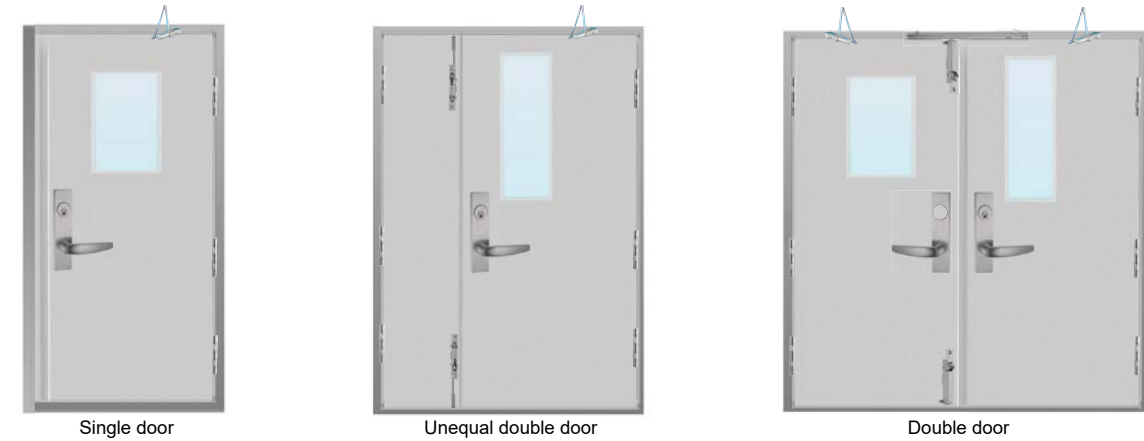
## American Standard Series Hardware Configuration



### American standard mortise lock configuration scheme

American standard mortise lock:

1. 8 different decorative pieces, 8 different functions;
2. Passed the American standard ANSI / BHMA A 156.13 first-class test, durability is more than 1 million times; passed UL10C 270 minutes fire test;
3. Passed the GB12955 standard 90 minutes fire test

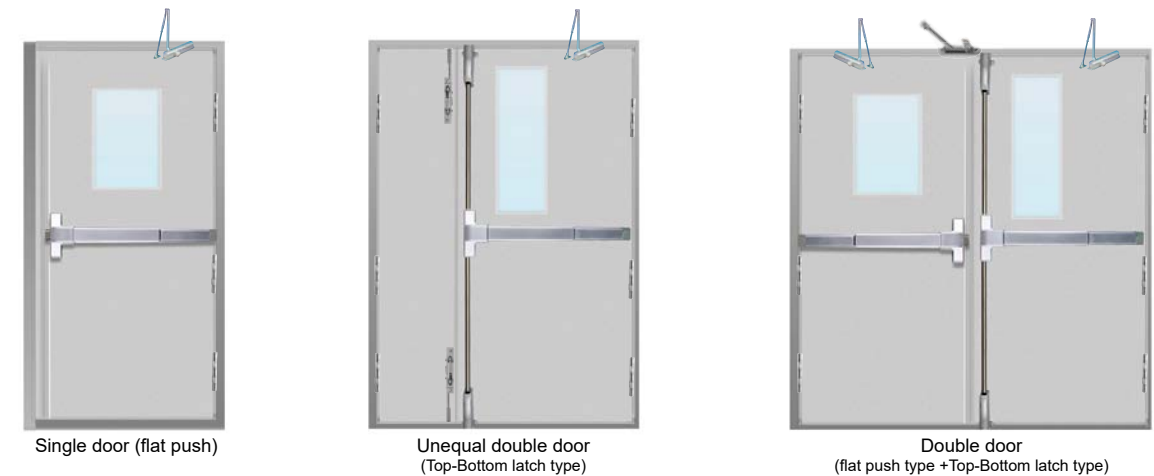


Application places	American Standard Mortise Lock	quantity	American standard door closer	quantity	American Standard Hinge	quantity	latch	quantity	Concealed sequencer	quantity
Single door		1 sets		1		3 slice	/	/		/
unequal double door		1 sets		1		6 slice	Concealed latch for steel door	2		/
Double door		2 sets (One set for fake lock)		2		6 slice	Automatic Concealed latch	2		2

### American standard escape push lock configuration scheme

American standard escape push lock:

1. Passed the American standard ANSI / BHMA A 156.3 first-class test, the durability is greater than 500,000 times; passed the UL10C 90minutes fire test;
2. passed the GB12955 standard 90 minutes fire test



Application places	exterior decoration	quantity	American Standard Escape Push Rod	quantity	American standard door closers	quantity	American standard hinge	quantity	Concealed latch for steel door	quantity	Heavy duty sequencer	quantity
Single door		1 sets	Flat push	one set of flat push		1		3 slice		/		/
unequal double door		1 sets	heaven and earth bar type	one set of heaven and earth pole		1		6 slice		2		/
Double door		2 sets		one set of flat push + one set of heaven and earth pole		2		6 slice		/		1

Remarks:

American standard door closers: The service life meets the requirements of the first-class products of the United States ANSI/BHMA A156.4; the service life:> 2 million times.

The American standard hinge: 1. Pass the American standard ANSI A156.1 secondary standard test The cycling life can be 1.5 million times;

2. Pass the 90 minutes fire test of GB12955 standard. Concealed latch, sequencer: Pass the 90 minutes fire test of GB12955 standard

# BBM60006

Door closer



### Technical Parameters

	Positioning type	Non-hold
	Door width	650~1500mm
	Maximum Loading	15~150kg
	Service life	≥2000,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray

Passed ANSI / BHMA A156.4 first-class requirements

Passed UL228, UL10C (3h fire protection) certification

Passed the test of EN1154 standard of door closing detection

Gained the national fire protection product certification/Passed public safety standard XF 93

Exit door or Fire-proof door must adopt the door closer without the hold function

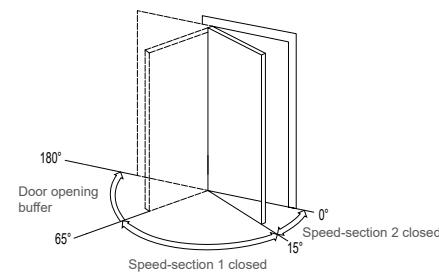
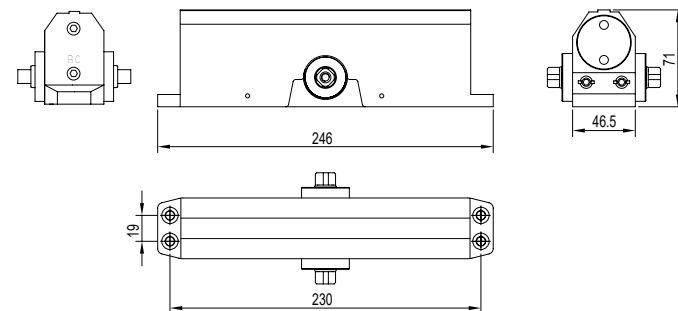
It can be used on both left and right side door

**Door opening buffering function: When the door opening angle is greater than 65°, there will be obvious resistance for opening the door**

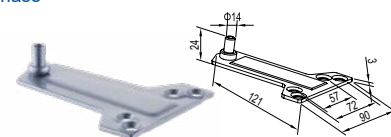
**Adjustable torque: the opening force can be adjusted according to the size and weight of the door**

Only for single side open, and suit for wooden door, metal door and frame door etc.

### Dimensions & Functional Characteristic



Parallel bracket BBP20101 (optional)  
For parallel installation, purchase separately



# BBM60106

Door closer



### Technical Parameters

	Positioning type	Non-hold
	Door width	650~1500mm
	Maximum Loading	15~150kg
	Service life	≥2000,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray

Passed ANSI / BHMA A156.4 first-class requirements

Passed UL228, UL10C (3h fire protection) certification

Passed the test of EN1154 standard of door closing detection

Gained the national fire protection product certification/Passed public safety standard XF 93

Exit door or Fire-proof door must adopt the door closer without the hold function

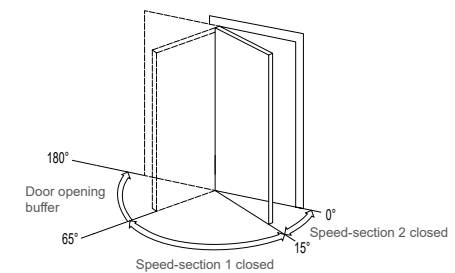
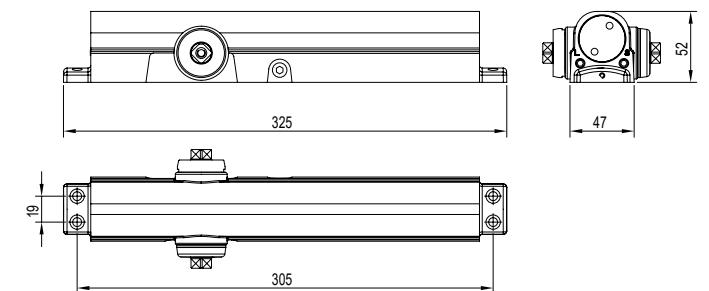
It can be used on both left and right side door

**Door opening buffering function: When the door opening angle is greater than 65°, there will be obvious resistance for opening the door**

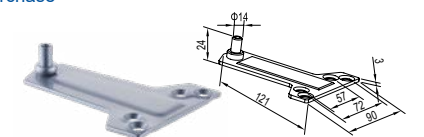
**Adjustable torque: the opening force can be adjusted according to the size and weight of the door**

Only for single side open, and suit for wooden door, metal door and frame door etc.

### Dimensions & Functional Characteristic



Parallel bracket BBP20101 (optional)  
For parallel installation, purchase separately



# BBM60206

Door closer



# BBM60014 New

Door closer

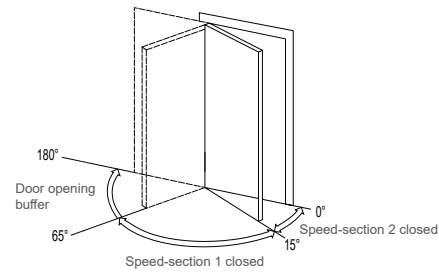
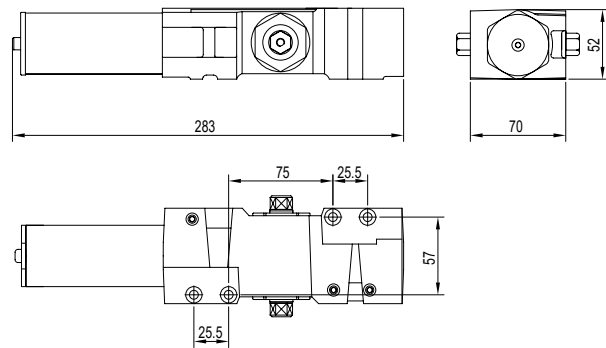


### Technical Parameters

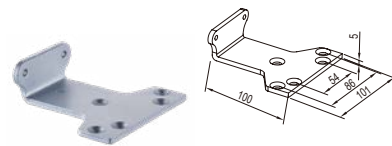
	Positioning type	Non-hold
	Door width	650~1500mm
	Maximum Loading	15~150kg
	Service life	≥2000,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray

- Passed ANSI / BHMA A156.4 first-class requirements
- Passed UL228, UL10C (3h fire protection) certification
- Passed the test of EN1154 standard of door closing detection
- Gained the national fire protection product certification/Passed public safety standard XF 93
- Exit door or Fire-proof door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Door opening buffering function:** When the door opening angle is greater than 65°, there will be obvious resistance for opening the door
- Adjustable torque:** the opening force can be adjusted according to the size and weight of the door
- Only for single side open, and suit for wooden door, metal door and frame door etc.

### Dimensions & Functional Characteristic



Parallel bracket BBP20001 (optional)  
For parallel installation, purchase separately

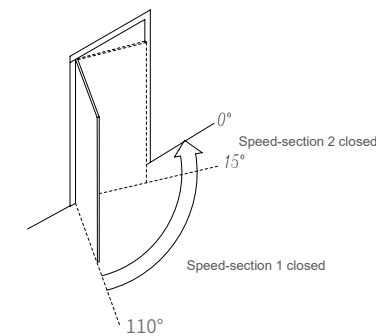
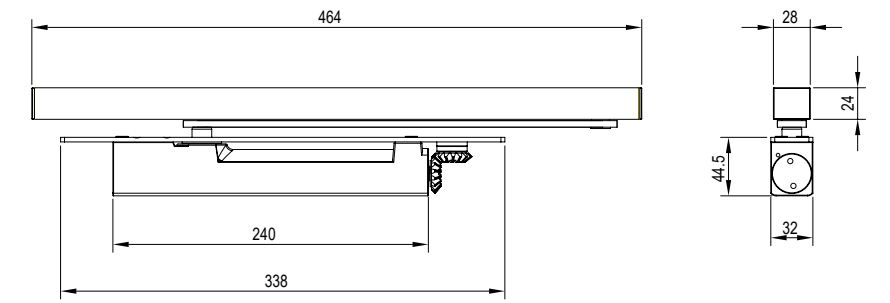


### Technical Parameters

	Positioning type	Non-hold
	Door width	650~1100mm
	Maximum Loading	45~85kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	silver gray (Color can be customized)

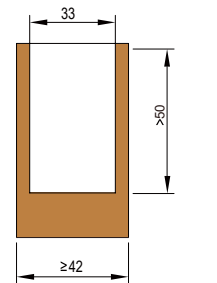
- Passed UL228, UL10C (3h fire protection) certification
- Exit door or Fire-proof door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Only for single side open, and suit for wooden door, metal door and frame door etc.
- Adjustable torque:** the opening force can be adjusted according to the size and weight of the door

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

Thickness requirement of wooden casement



# Fire-proof door closers



## General requirements for fire-proof door

Fire-proof door should be equipped with anti-Fire-proof door closers, or door closers that allow the fire-proof door to automatically close the door sash in the event of a fire (except for the use of special parts, such as pipeline well doors, etc.)

Fire-proof door closers should be qualified by national certification and authorized testing agencies, and their performance should meet the requirements of GA 93.

The door closing device that automatically closes the door sash should pass the inspection of the nationally recognized and authorized testing agency.

## GA93-2CI(B401)

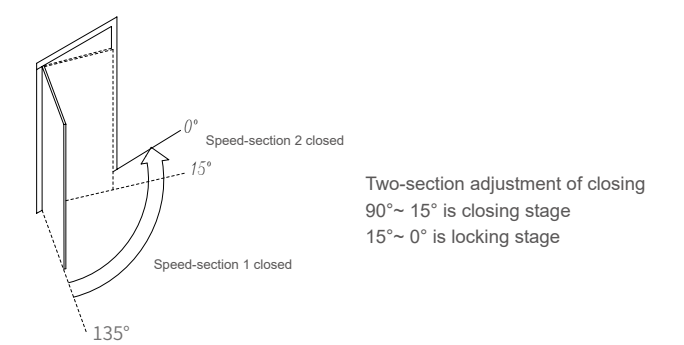
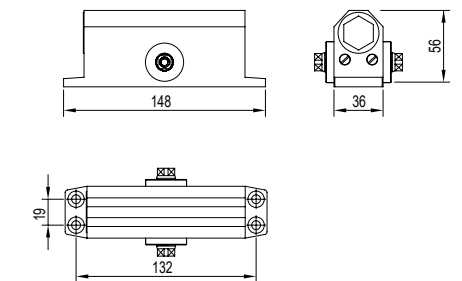
Fire-proof door closers



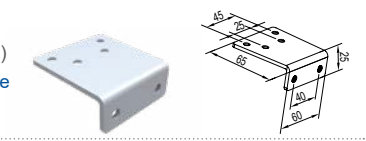
### Technical Parameters

	Positioning type	Non-hold
	Door width	650~900mm
	Maximum Loading	45kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Gained the national fire protection product certification	
	Passed public safety standard GA 93	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately





## GA93-3CI(B103)

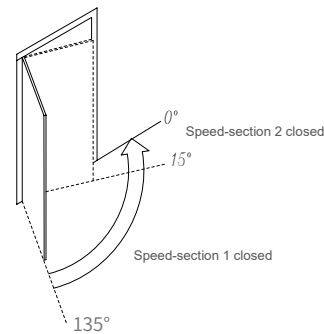
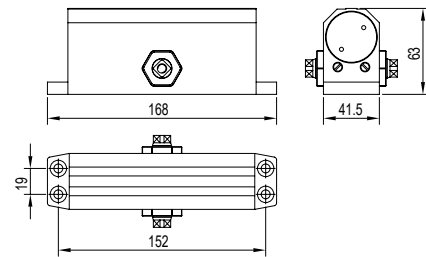
Fire-proof door closers



### Technical Parameters

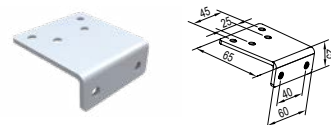
	Positioning type	Non-hold
	Door width	850~1100mm
	Maximum Loading	65kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Gained the national fire protection product certification	
	Passed public safety standard GA 93	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately



## GA93-4CI(B104)

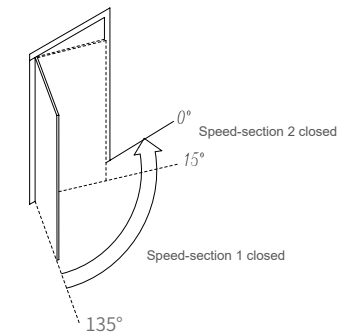
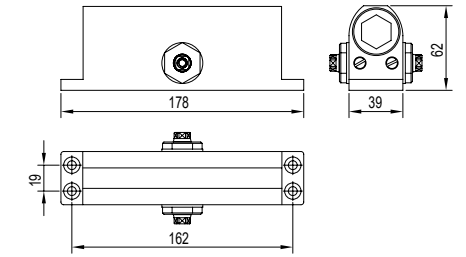
Fire-proof door closers



### Technical Parameters

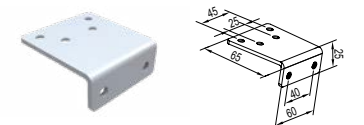
	Positioning type	Non-hold
	Door width	1000~1250mm
	Maximum Loading	85kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Gained the national fire protection product certification	
	Passed public safety standard GA 93	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately



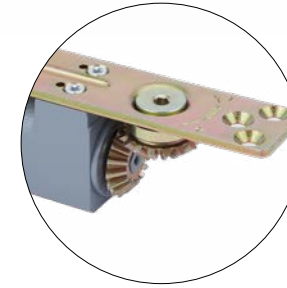
**GA93-2PII(YB301)**  
**GA93-2PII(YB305)**  
**GA93-2PII(YB306)**

Fire-proof door closers



**XF93-2PI(BBM30114)**

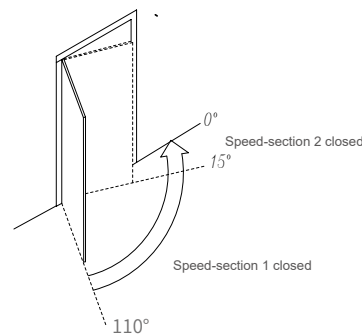
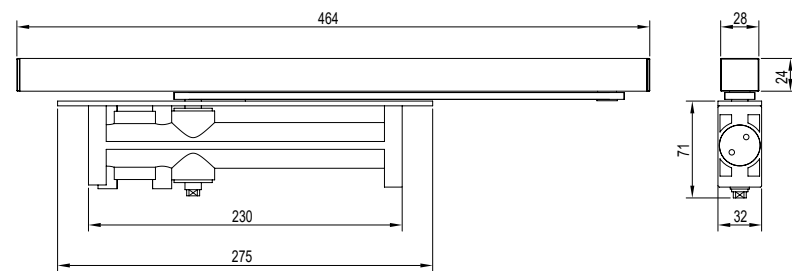
Fire-proof door closers



**Technical Parameters**

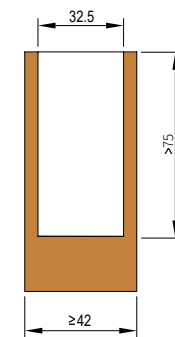
	Positioning type	Non-hold
	Door width	650~900mm 850~1100mm 1000~1250mm
	Maximum Loading	45kg/65kg/85kg
	Service life	>200,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Gained the national fire protection product certification	
	Passed public safety standard GA 93	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

**Dimensions & Functional Characteristic**



Two-section adjustment of closing  
 90°~ 15° is closing stage  
 15°~ 0° is locking stage

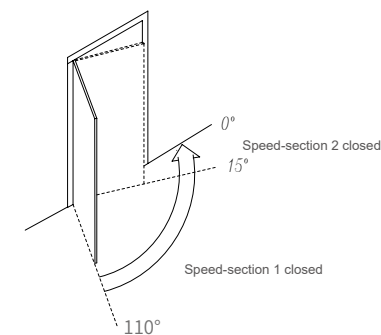
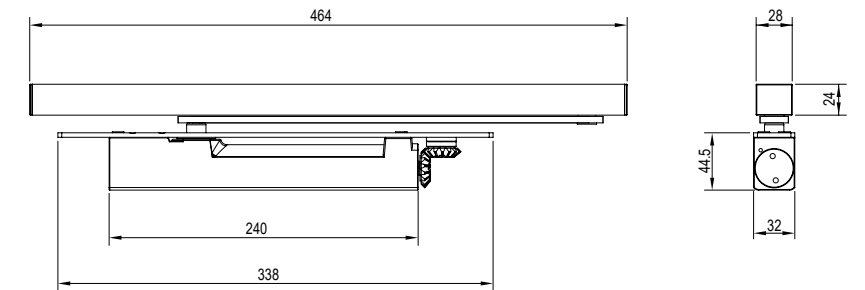
Thickness requirement of wooden casement



**Technical Parameters**

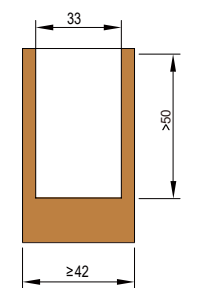
	Positioning type	Non-hold
	Door width	650~1100mm
	Maximum Loading	45~85kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Gained the national fire protection product certification	
	Passed public safety standard XF 93	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Adjustable torque: the opening force can be adjusted according to the size and weight of the door.	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

**Dimensions & Functional Characteristic**



Two-section adjustment of closing  
 90°~ 15° is closing stage  
 15°~ 0° is locking stage

Thickness requirement of wooden casement



## GA93-5CI(BBM80105)

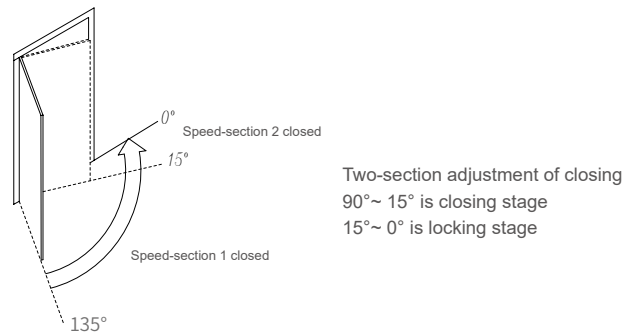
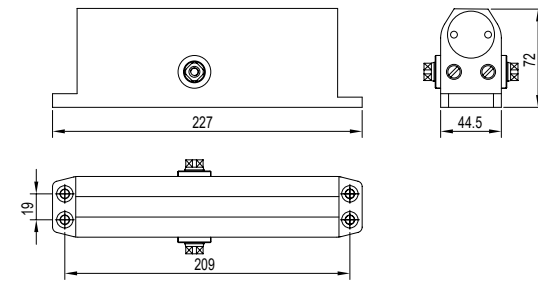
Fire-proof door closers



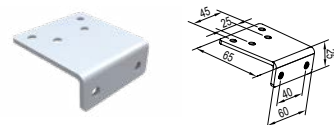
### Technical Parameters

	Positioning type	Non-hold
	Door width	1100~1300mm
	Maximum Loading	100kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Gained the national fire protection product certification	
	Passed public safety standard GA 93	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately



## GA93-5CI(B415)

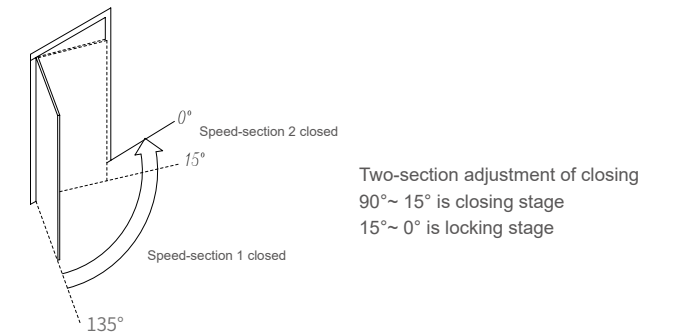
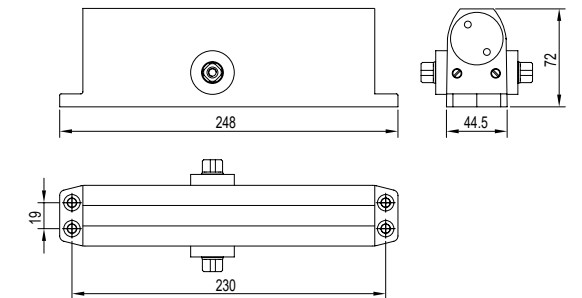
Fire-proof door closers



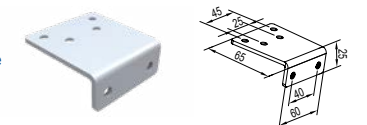
### Technical Parameters

	Positioning type	Non-hold
	Door width	1150~1400mm
	Maximum Loading	120kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Gained the national fire protection product certification	
	Passed public safety standard GA 93	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately



# Door closer



Passed the test of industrial standard JG/T 268.

Passed the test of EN1154 standard of door closing detection

It can be used on both left and right side door.

Only for single side open, and suit for wooden door, metal door and frame door etc.

## European standard series hardware configuration



### European standard mortise lock configuration scheme

European standard ferrule:

1. 8 different decorative pieces, 8 different functions;
2. Passed EN12209-2003 test, 200,000 durability tests, and obtained CE certification. Passed the 260 minutes fire test of EN1634;
3. Passed the GB12955 standard 90 minutes fire test



Single door



Unequal double door



Double door

Application places	European standard ferrule	quantity	European standard door closers	quantity	European standard hinge	quantity	latch	quantity	Concealed sequencer	quantity
Single door		1 sets		1		3 slice	/	/		/
unequal double door		1 sets		1		6 slice	Concealed latch for steel door	2		/
Double door		2 sets (One set for fake lock)		2		6 slice	Automatic Concealed latch	2		2

### European standard scheme of panic door lock

European standard escape push lock:

1. Passed the european standard EN1125 test, endurance test 200,000 times; and obtained CE certification; passed the EN1634 standard 60-minute fire test
2. Passed the GB12955 standard 90-minute fire test



Single door (flat push)



Unequal double door (Top-Bottom latch type)



Double door (flat push type +Top-Bottom latch type)

Application places	exterior decoration	quantity	European standard escape putter lock	quantity	European standard door closers	quantity	European standard hinge	quantity	Concealed latch for steel door	quantity	Heavy duty sequencer	quantity
Single door		1 sets	parallel push	one set of parallel push		1		3 slice	/	/	/	/
unequal double door		1 sets	Top-Bottom latch type	one set of top and bottom pole		1		6 slice	2	/		
Double door		2 sets	parallel push + one set of top and bottom pole	one set of parallel push + one set of top and bottom pole		2		6 slice	/	1		

Remarks:

European standard door closers: Pass the EN1154 door closing device test, pass the industry standard QB / T2698 test; Service life:more than 500,000 times.

European standard hinge: 1. 7 specifications, passed the European standard EN1935 test, 200,000 durability tests, and obtained CE certification; two of them passed the 260-minute fire test of the EN1634 standard;

2. Passed the GB12955 standard 90 minutes fire test;

Concealed Latch, Sequencer: Passed 90 minutes fire test of GB12955 standard



# B401

Door closer

Surface installed 135° Non-hold Two

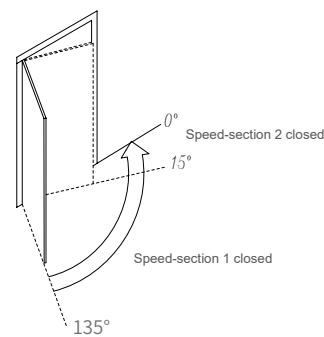
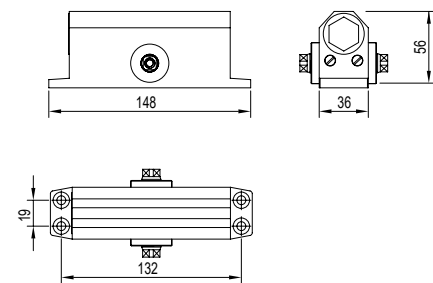


Door Closer

### Technical Parameters

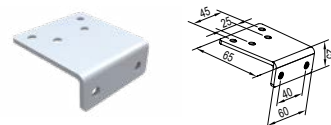
	Positioning type	Non-hold
	Door width	650~900mm
	Maximum Loading	45kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of industrial standard JG/T 268	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately



# BBM10012

Door closer

Surface installed 90° Hold Two

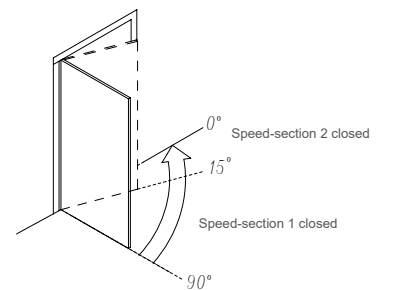
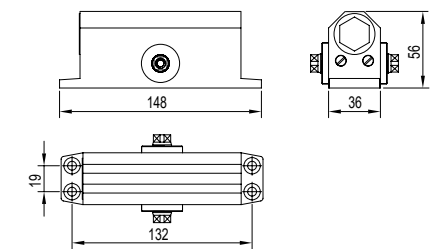


Door Closer

### Technical Parameters

	Positioning type	90°hold
	Door width	650~900mm
	Maximum Loading	45kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	
	This type of door closers cannot be used for fire-proof doors.	

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

# B103

Door closer

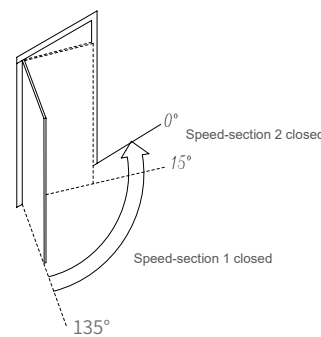
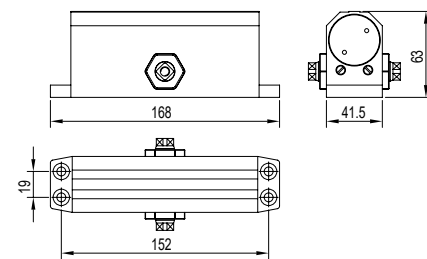
Surface installed 135° Non-hold Two



### Technical Parameters

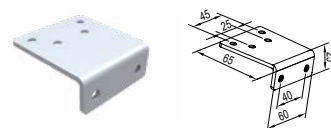
	Positioning type	Non-hold
	Door width	850~1100mm
	Maximum Loading	65kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately



# BBM10013

Door closer

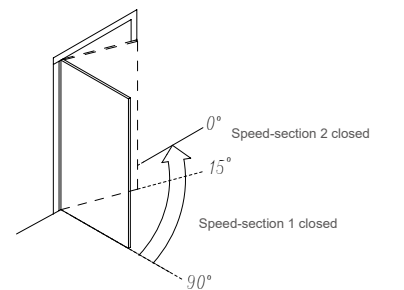
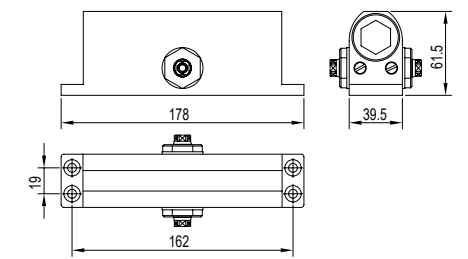
Surface installed 90° Hold Two



### Technical Parameters

	Positioning type	90°hold
	Door width	850~1100mm
	Maximum Loading	65kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	
	This type of door closers cannot be used for fire-proof doors.	

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

# B701

Door closer

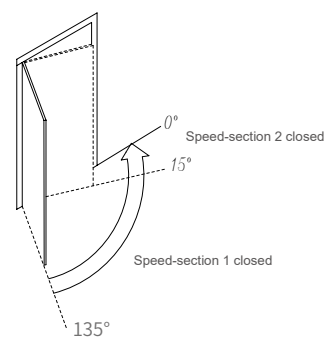
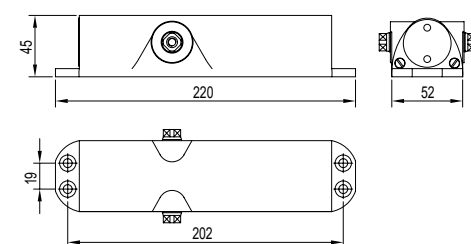
Surface installed 135° Non-hold Two



### Technical Parameters

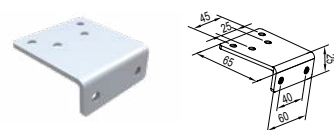
	Positioning type	Non-hold
	Door width	650~900mm
	Maximum Loading	45kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately



# BZ701

Door closer

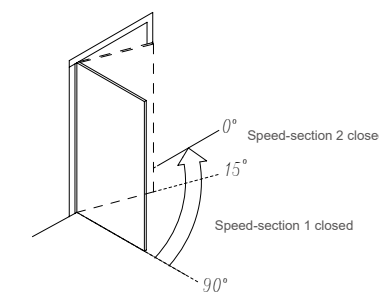
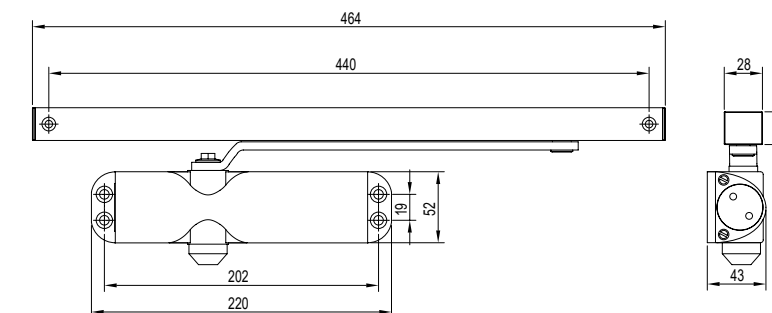
Surface installed 90° Hold Two



### Technical Parameters

	Positioning type	Hold can be anywhere and withdrawn
	Door width	650~900mm
	Maximum Loading	45kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

The adjustment diagram of the rail holding force is the same as YB301, YB305, YB306

# B802

Door closer

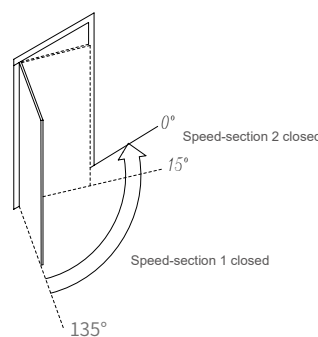
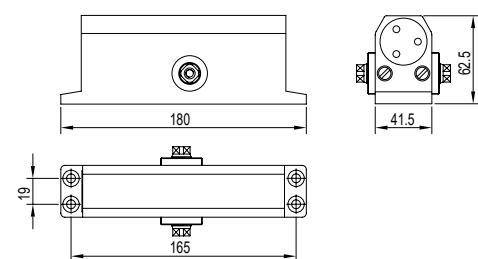
Surface installed 135° Non-hold Two



### Technical Parameters

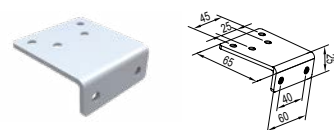
	Positioning type	Non-hold
	Door width	650~900mm
	Maximum Loading	45kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately



# BZ802

Door closer

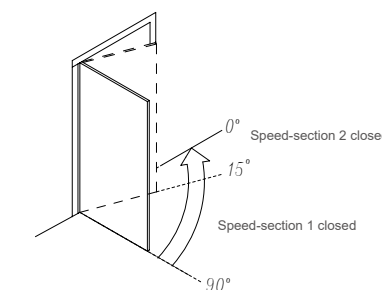
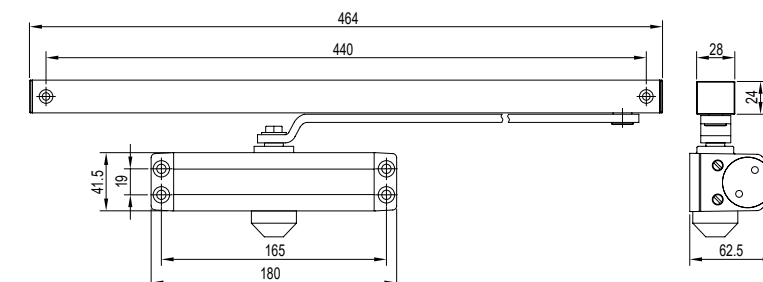
Surface installed 90° Hold Two



### Technical Parameters

	Positioning type	Hold can be anywhere and withdrawn
	Door width	650~900mm
	Maximum Loading	45kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

The adjustment diagram of the rail holding force is the same as YB301, YB305, YB306



# B803 / B804

Door closer

Surface installed 135° Non-hold Two



### Technical Parameters

	Positioning type	Non-hold
	Door width	850~1100mm / 1000~1250mm
	Maximum Loading	65kg / 85kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C

Passed the test of EN1154 standard of door closing detection

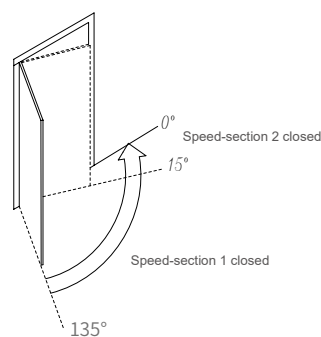
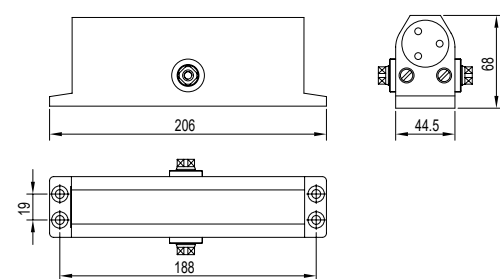
Passed the test of industrial standard JG/T 268

Exit door or Fire-proof door must adopt the door closer without the hold function

It can be used on both left and right side door

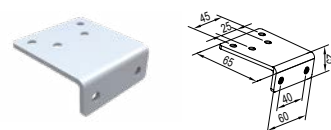
Only for single side open, and suits for wooden door, metal door and frame door etc.

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately



# BZ803 / BZ804

Door closer

Surface installed 90° Hold Two



### Technical Parameters

	Positioning type	Hold can be anywhere and withdrawn
	Door width	850~1100mm / 1000~1250mm
	Maximum Loading	65kg / 85kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C

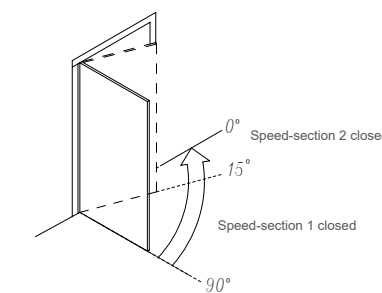
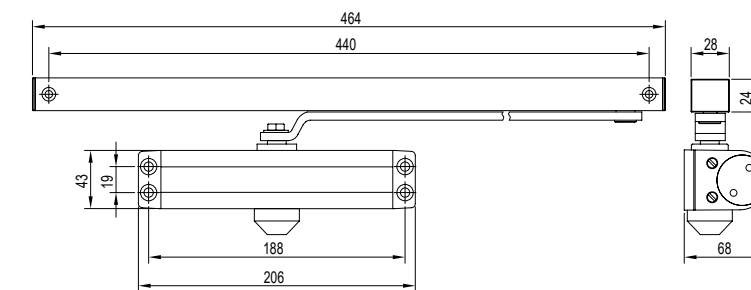
Passed the test of EN1154 standard of door closing detection

Passed the test of industrial standard JG/T 268

It can be used on both left and right side door

Only for single side open, and suits for wooden door, metal door and frame door etc.

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

The adjustment diagram of the rail holding force is the same as YB301, YB305, YB306

# BBM80103 / BBM80104

Door closer

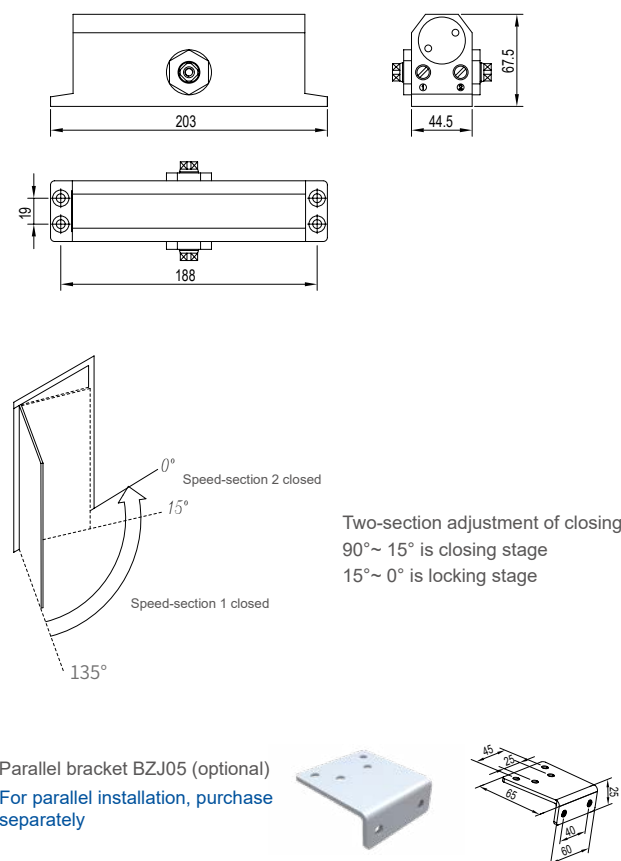
Surface installed 135° Non-hold Two



### Technical Parameters

	Positioning type	Non-hold
	Door width	850~1100mm / 1000~1250mm
	Maximum Loading	65kg / 85kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of industrial standard JG/T 268	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



# BBM80113 / BBM80114

Door closer

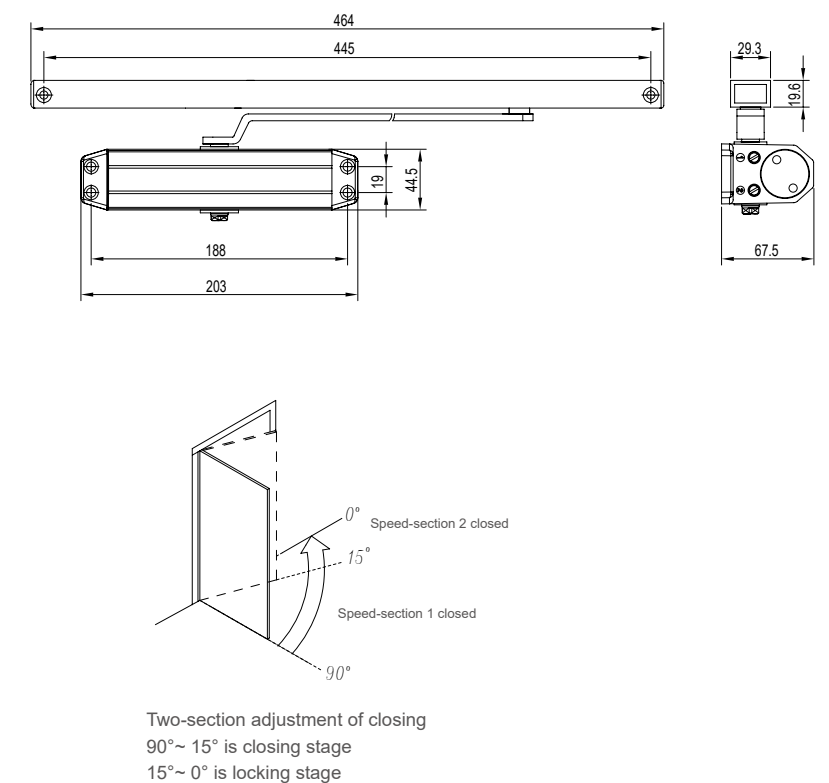
Surface installed 90° Hold Two



### Technical Parameters

	Positioning type	Hold can be anywhere and withdrawn
	Door width	850~1100mm 1000~1250mm
	Maximum Loading	65kg / 85kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of industrial standard JG/T 268	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



# BBM90002 / BBM90003

Door closer

Surface installed 135° Non-hold Two



### Technical Parameters

	Positioning type	Non-hold
	Door width	650~900mm / 850~1100mm
	Maximum Loading	45kg / 65kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C

Passed the test of EN1154 standard of door closing detection

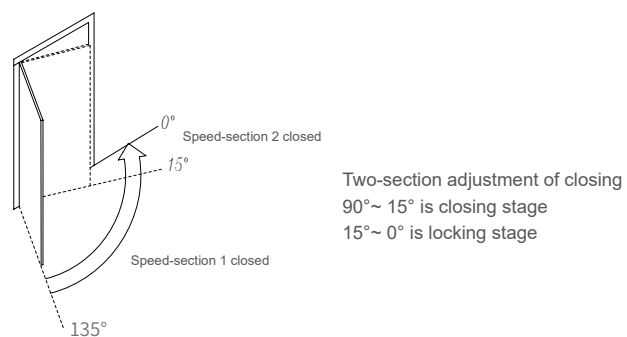
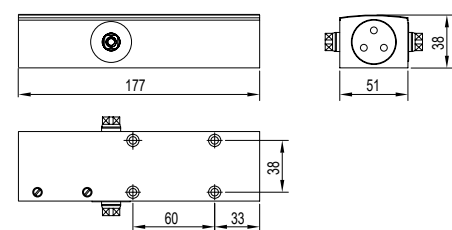
Passed the test of industrial standard JG/T 268

Exit door or Fire-proof door must adopt the door closer without the hold function

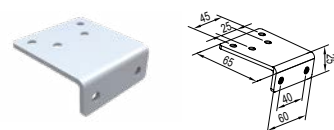
It can be used on both left and right side door

Only for single side open, and suits for wooden door, metal door and frame door etc.

### Dimensions & Functional Characteristic



Parallel bracket BZJ05 (optional)  
 For parallel installation, purchase separately



# BBM90012 / BBM90013

Door closer

Surface installed 90° Hold Two



### Technical Parameters

	Positioning type	Hold can be anywhere and withdrawn
	Door width	650~900mm / 850~1100mm
	Maximum Loading	45kg / 65kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C

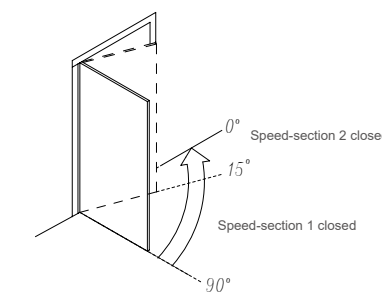
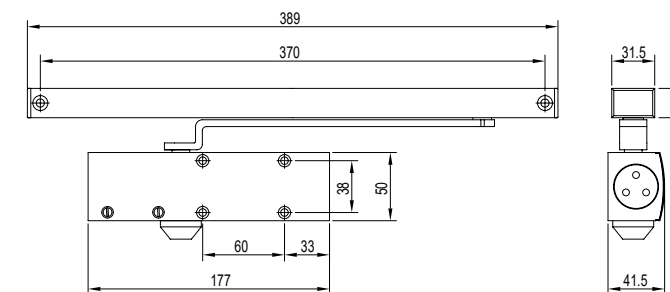
Passed the test of EN1154 standard of door closing detection

Passed the test of industrial standard JG/T 268

It can be used on both left and right side door

Only for single side open, and suits for wooden door, metal door and frame door etc.

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
 90°~ 15° is closing stage  
 15°~ 0° is locking stage

The adjustment diagram of the rail holding force is the same as YB301, YB305, YB306

# BBM90103

Door closer

Surface installed Buffer 135° Non-hold Two

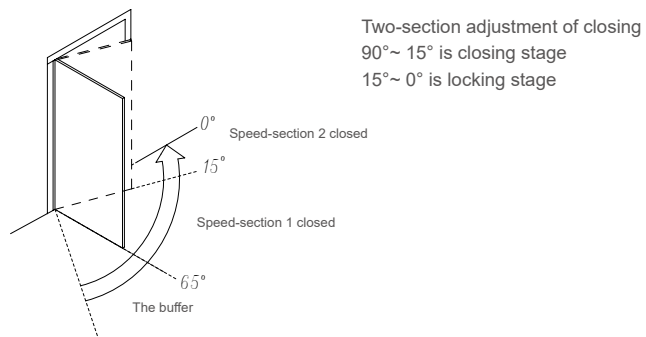
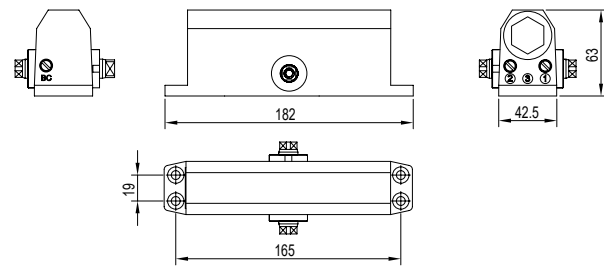


Door buffer valve

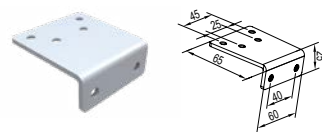
### Technical Parameters

	Positioning type	Non-hold
	Door width	850~1100mm
	Maximum Loading	65kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Door opening buffer function: When the door is opened to 65°, the door opening will have obvious resistance.	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately



# BBM90104

Door closer

Surface installed Buffer 135° Non-hold Two

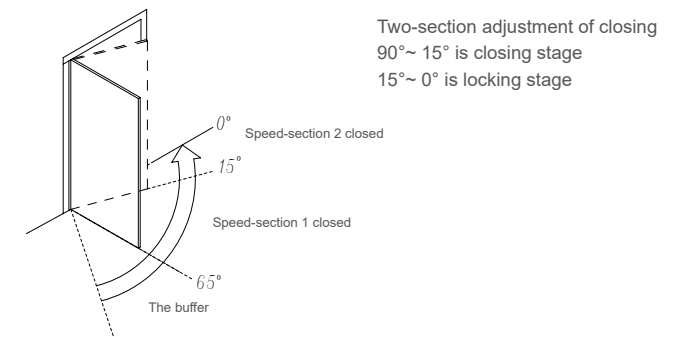
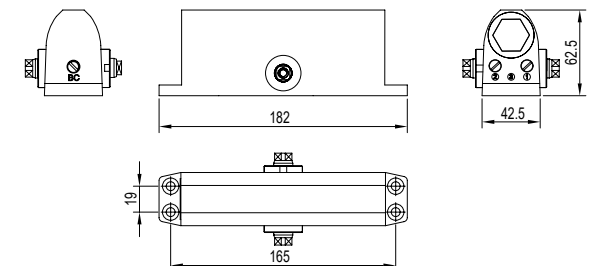


Door buffer valve

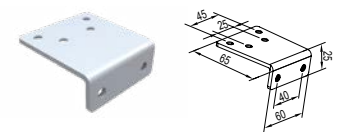
### Technical Parameters

	Positioning type	Non-hold
	Door width	1000~1250mm
	Maximum Loading	85kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Door opening buffer function: When the door is opened to 65°, the door opening will have obvious resistance.	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately





# BBM90004

Door closer

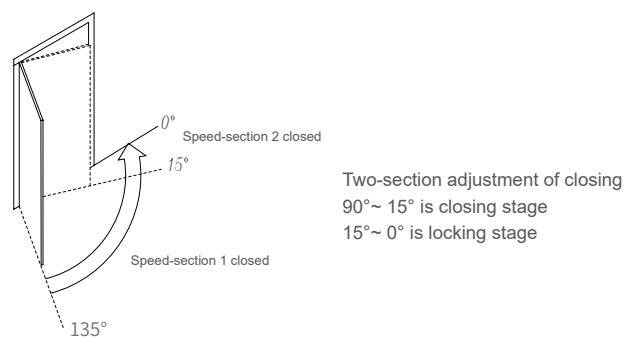
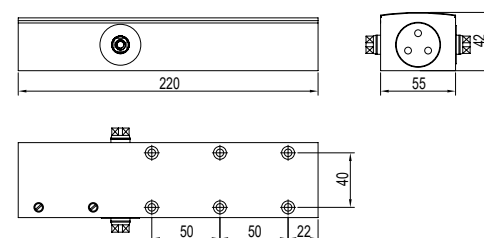
Surface installed 135° Non-hold Two



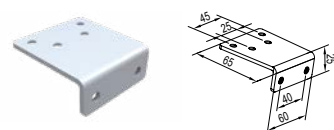
### Technical Parameters

	Positioning type	Non-hold
	Door width	1000~1250mm
	Maximum Loading	85kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Parallel bracket BZJ05 (optional)  
 For parallel installation, purchase separately



# BBM90006

Door closer

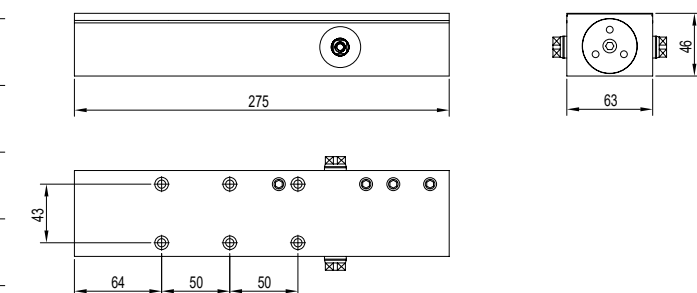
Surface installed Adjustable Buffer 135° Non-hold Two



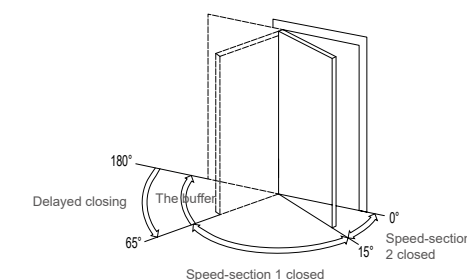
### Technical Parameters

	Positioning type	Non-hold
	Door width	850~1600mm
	Maximum Loading	85~150kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Delayed door closing function: When the door opening angle is greater than 65°, the door will delay its closing time to 65° to restore normal speed.	
	Door opening buffer function: When the door is opened to 65°, the door opening will have obvious resistance.	
	Adjustable torque: the opening force can be adjusted according to the size and weight of the door.	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

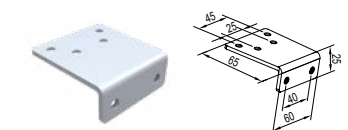
### Dimensions & Functional Characteristic



Two-section adjustment of closing, delay and buffering stages;  
 15°~0° is locking stage  
 65°~15° is closing stage  
 180°~65° is the delay closing stage  
 65°~180° is the door opening buffering stage



Parallel bracket BZJ05 (optional)  
 For parallel installation, purchase separately



# B104

Door closer

Surface installed 135° Non-hold Two



### Technical Parameters

	Positioning type	Non-hold
	Door width	1000~1250mm
	Maximum Loading	85kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C

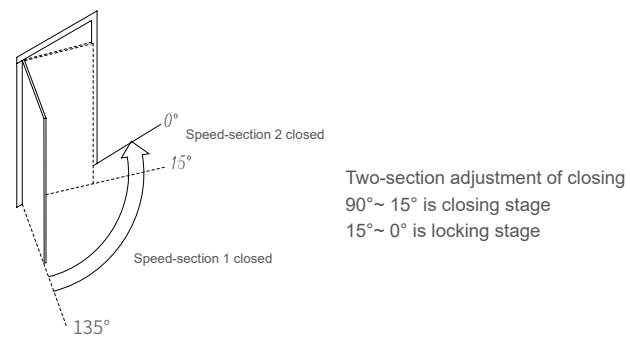
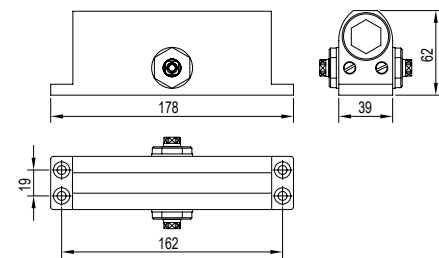
**JG** Passed the test of industrial standard JG/T 268

Exit door or Fire-proof door must adopt the door closer without the hold function

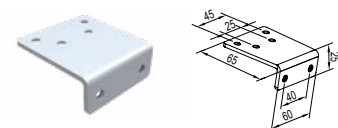
It can be used on both left and right side door

Only for single side open, and suits for wooden door, metal door and frame door etc.

### Dimensions & Functional Characteristic



Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately



# BBM10014

Door closer

Surface installed 90° Hold Two



### Technical Parameters

	Positioning type	90°hold
	Door width	1000~1250mm
	Maximum Loading	85kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C

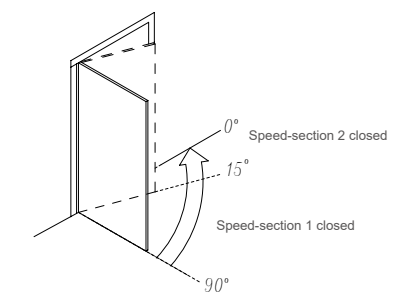
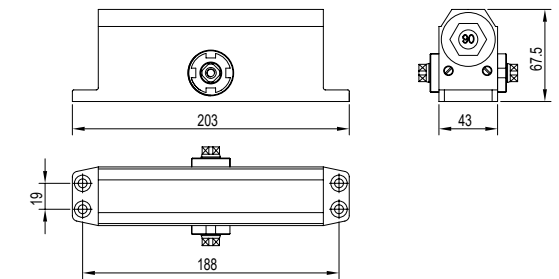
**JG** Passed the test of industrial standard JG/T 268

It can be used on both left and right side door

Only for single side open, and suits for wooden door, metal door and frame door etc.

**This type of door closers cannot be used for fire-proof doors.**

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~15° is closing stage  
15°~0° is locking stage

# BBM80105

Door closer

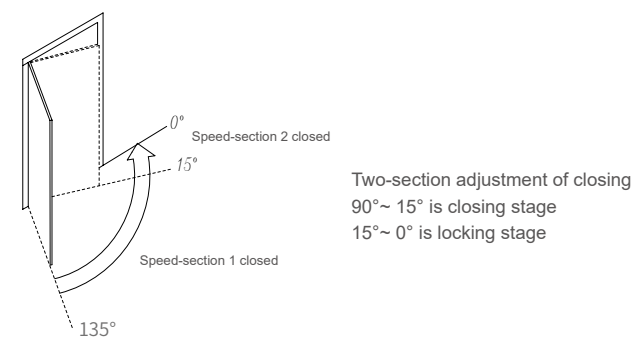
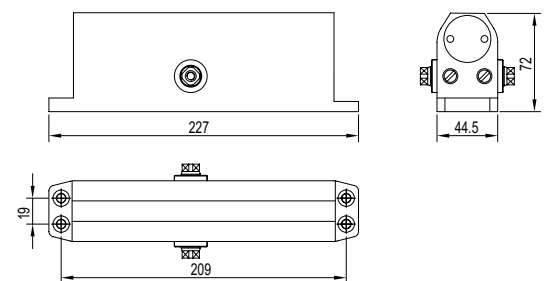
Surface installed 135° Non-hold Two



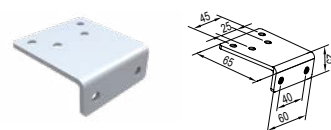
### Technical Parameters

	Positioning type	Non-hold
	Door width	1100~1300mm
	Maximum Loading	100kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	Exit door or Fire-proof door must adopt the door closer without the hold function	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Parallel bracket BZJ05 (optional)  
For parallel installation, purchase separately



# BBM80212

Door closer

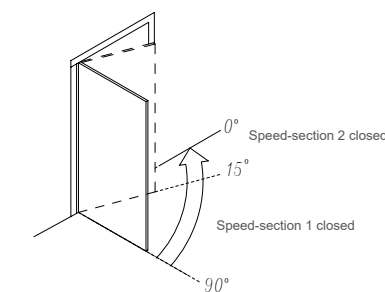
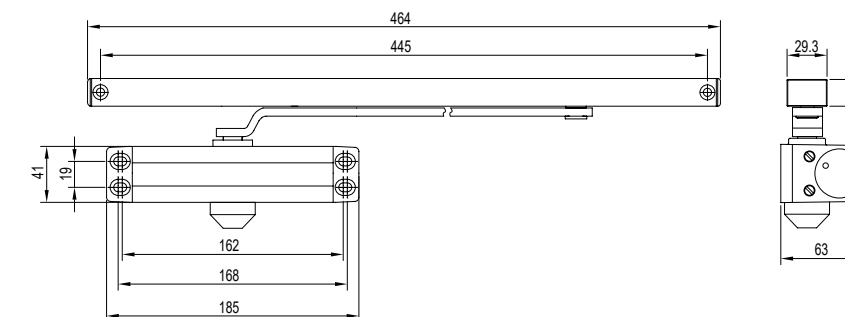
Surface installed 90° Hold Two



### Technical Parameters

	Positioning type	Hold can be anywhere and withdrawn
	Door width	650~900mm
	Maximum Loading	45kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of industrial standard JG/T 268	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

# BBM90105 New

Door closer

Surface installed Delayed Adjustable Buffer 180° Non-hold Two



Door Closer

### Technical Parameters

	Positioning type	Non-hold
	Door width	650-1200mm
	Maximum Loading	25-120kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)

Passed the test of EN1154 standard of door closing detection

Passed the test of industrial standard JG/T 268

Exit door or Fire-proof door must adopt the door closer without the hold function

It can be used on both left and right side door

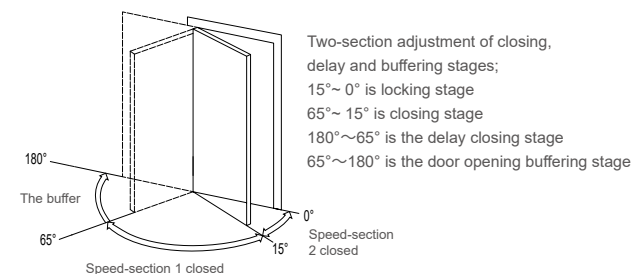
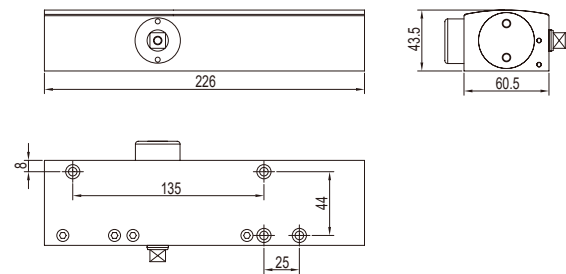
Delayed door closing function: When the door opening angle is greater than 65°, the door will delay its closing time to 65° to restore normal speed.

Door opening buffer function: When the door is opened to 65°, the door opening will have obvious resistance.

**Adjustable torque: the opening force can be adjusted according to the size and weight of the door.**

Only for single side open, and suits for wooden door, metal door and frame door etc.

### Dimensions & Functional Characteristic



# B415

Door closer

Surface installed 135° Non-hold Two



Door Closer

### Technical Parameters

	Positioning type	Non-hold
	Door width	1150~1400mm
	Maximum Loading	120kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)

Passed the test of EN1154 standard of door closing detection

Passed the test of industrial standard JG/T 268

Exit door or Fire-proof door must adopt the door closer without the hold function

It can be used on both left and right side door

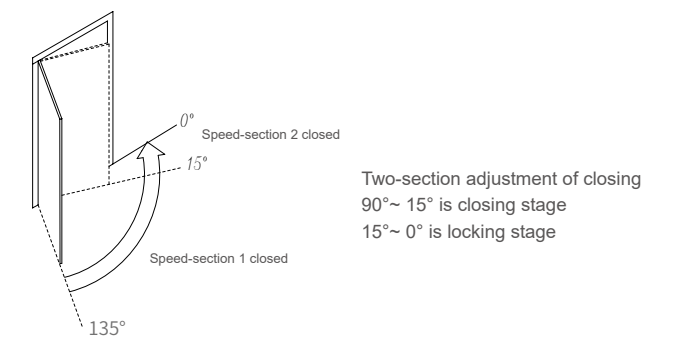
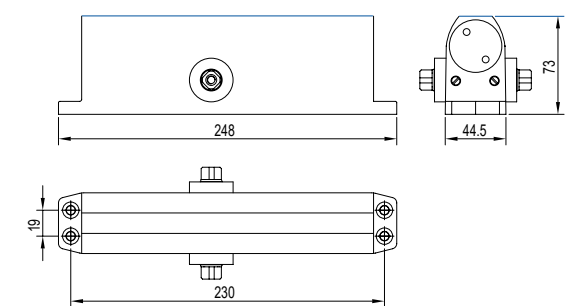
Delayed door closing function: When the door opening angle is greater than 65°, the door will delay its closing time to 65° to restore normal speed.

Door opening buffer function: When the door is opened to 65°, the door opening will have obvious resistance.

**Adjustable torque: the opening force can be adjusted according to the size and weight of the door.**

Only for single side open, and suits for wooden door, metal door and frame door etc.

### Dimensions & Functional Characteristic





# BBM90115

Door closer

Surface installed Delayed Adjustable Buffer 90° Hold Two



### Technical Parameters

	Positioning type	Hold can be anywhere and withdrawn
	Door width	650~1200mm
	Maximum Loading	25~85kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C

Passed the test of EN1154 standard of door closing detection

Passed the test of industrial standard JG/T 268

It can be used on both left and right side door

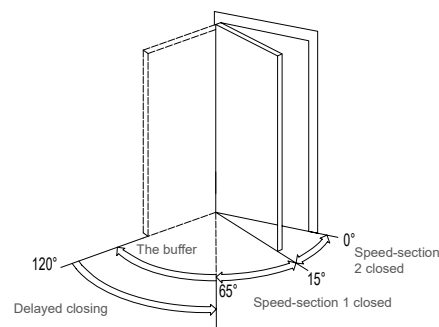
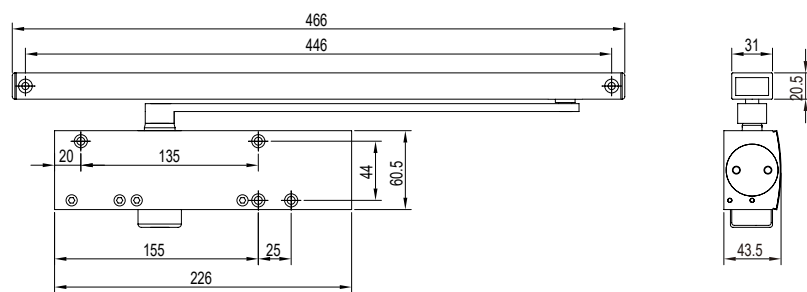
Delayed door closing function: When the door opening angle is greater than 65°, the door will delay its closing time to 65° to restore normal speed.

Door opening buffer function: When the door is opened to 65°, the door opening will have obvious resistance.

Adjustable torque: the opening force can be adjusted according to the size and weight of the door.

Only for single side open, and suits for wooden door, metal door and frame door etc.

### Dimensions & Functional Characteristic



Two-section adjustment of closing, delay and buffering stages;  
 15°~ 0° is locking stage  
 65°~ 15° is closing stage  
 120°~65° is the delay closing stage  
 65°~120° is the door opening buffering stage

# YB301/YB305/YB306

Door closer

Concealed 90° Hold Two



### Technical Parameters

	Positioning type	Hold can be anywhere and withdrawn
	Door width	650~900mm 850~1100mm 1000~1250mm
	Maximum Loading	45kg/65kg/85kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C

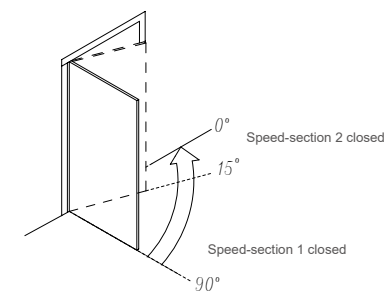
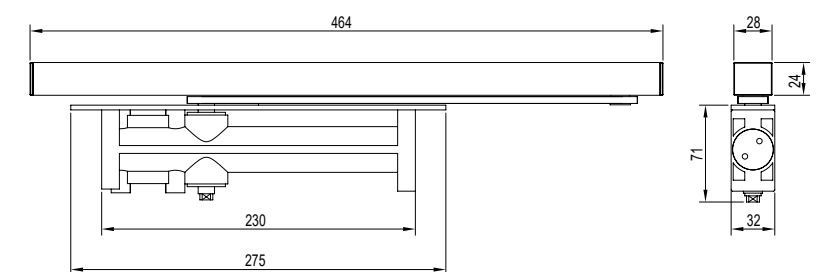
Passed the test of EN1154 standard of door closing detection

Passed the test of industrial standard JG/T 268

It can be used on both left and right side door

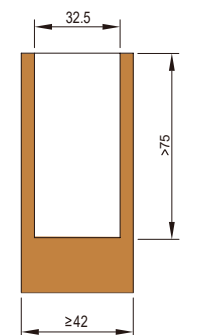
Only for single side open, and suits for wooden door, metal door and frame door etc.

### Dimensions & Functional Characteristic



Two-section adjustment of closing  
 90°~ 15° is closing stage  
 15°~ 0° is locking stage

Thickness requirement of wooden casement



# BBM30112

Door closer

Concealed 90° Hold Two

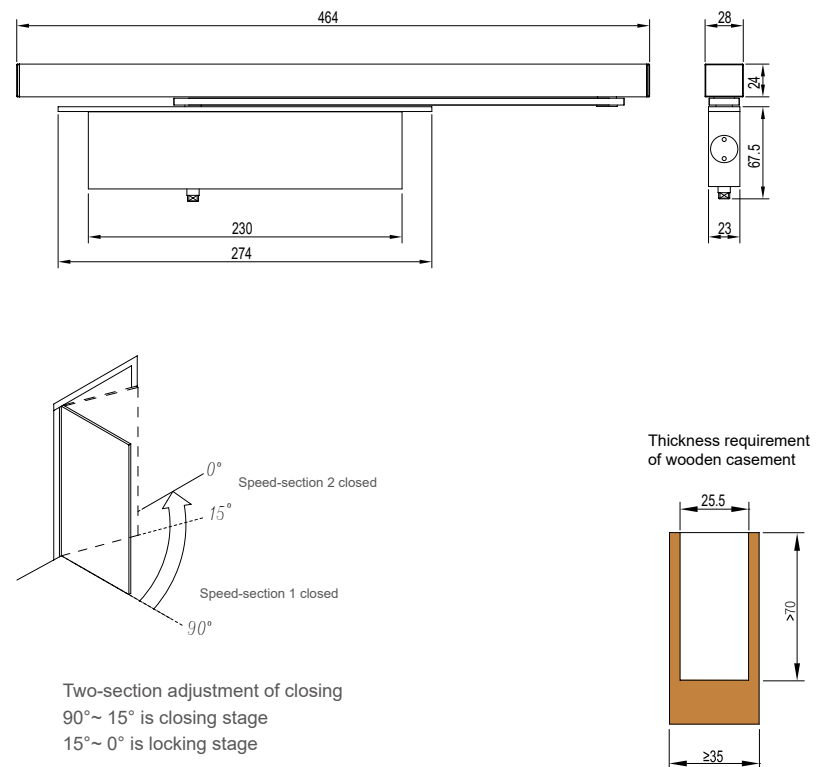


Door Closer

### Technical Parameters

	Positioning type	Hold can be anywhere and withdrawn
	Door width	650~900mm
	Maximum Loading	45kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of industrial standard JG/T 268	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



# BBM30113

Door closer

Concealed 90° Hold Two

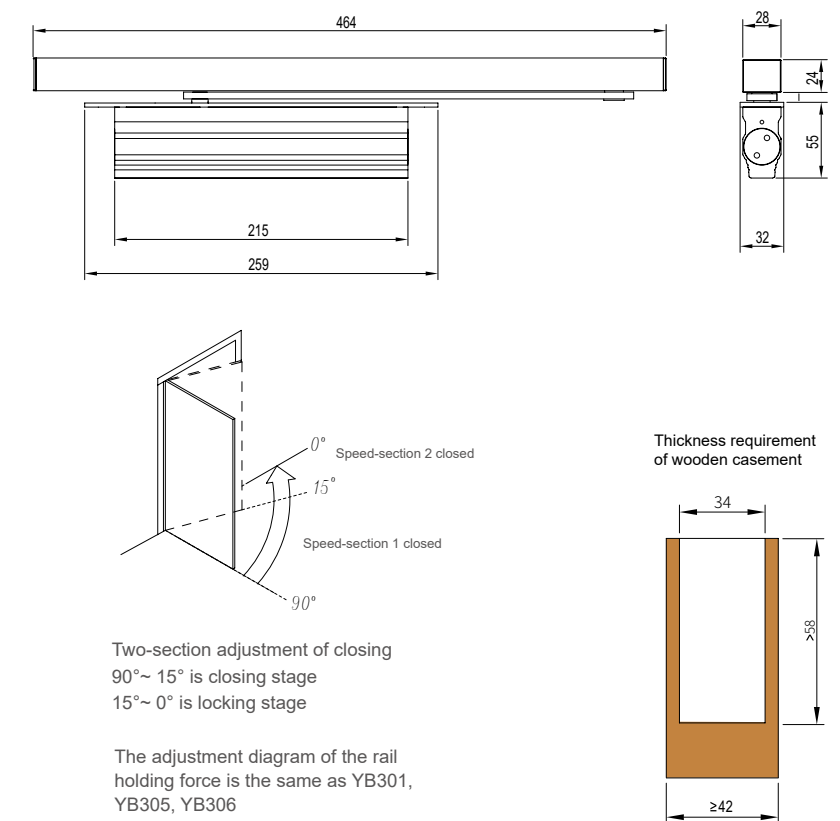


Door Closer

### Technical Parameters

	Positioning type	Hold can be anywhere and withdrawn
	Door width	850~1100mm
	Maximum Loading	65kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



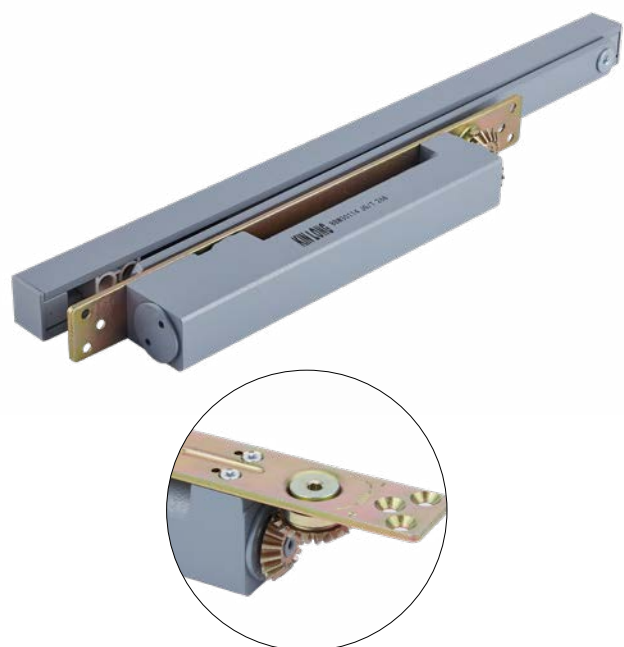
Two-section adjustment of closing  
90°~ 15° is closing stage  
15°~ 0° is locking stage

The adjustment diagram of the rail holding force is the same as YB301, YB305, YB306

# BBM30114

Door closer

Concealed Adjustable 90° Hold Two

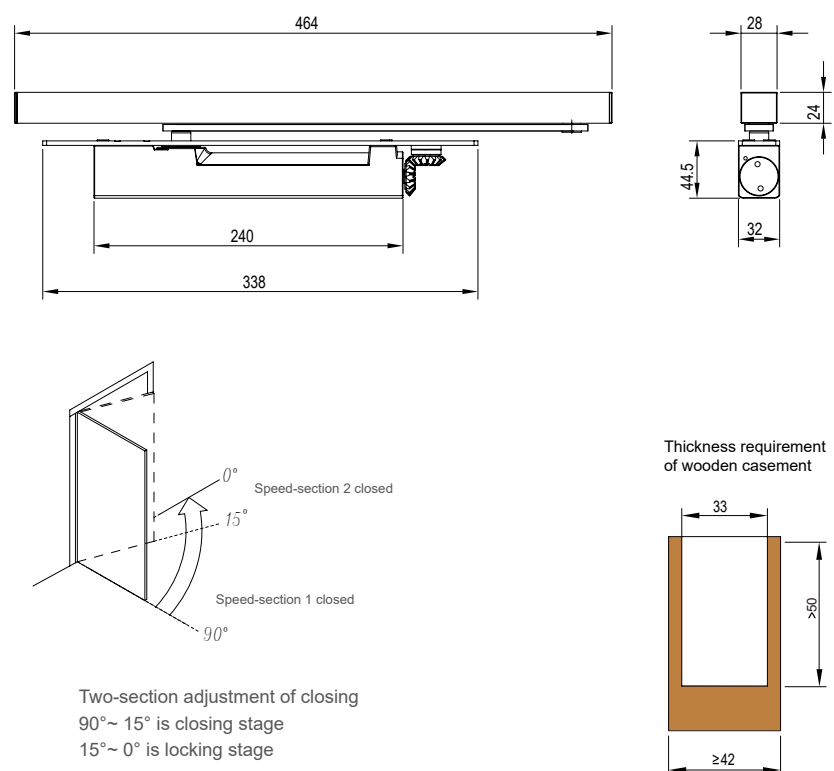


Door Closer

### Technical Parameters

	Positioning type	Hold can be anywhere and withdrawn
	Door width	650~1100mm
	Maximum Loading	45~85kg
	Service life	>500,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Passed the test of EN1154 standard of door closing detection	
	Passed the test of industrial standard JG/T 268	
	It can be used on both left and right side door	
	Adjustable torque: the opening force can be adjusted according to the size and weight of the door.	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



# BBM30115

Door closer

Concealed 90° Hold Two

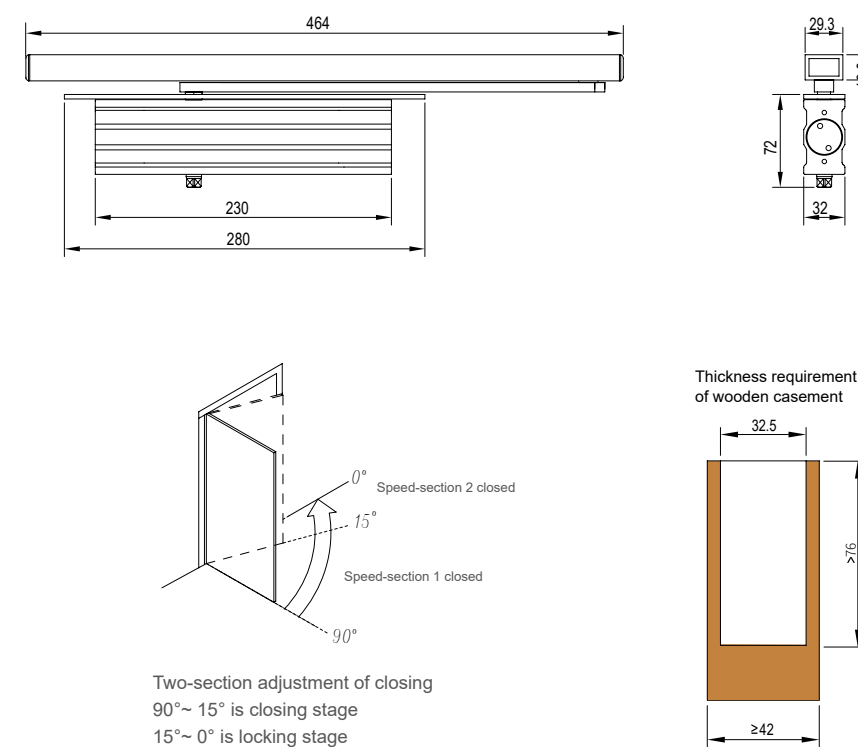


Door Closer

### Technical Parameters

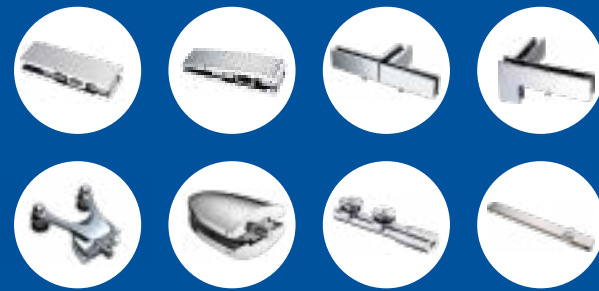
	Positioning type	Hold can be anywhere and withdrawn
	Door width	1100~1300mm
	Maximum Loading	100kg
	Service life	>300,000 Cycles
	Speed control	Two speed section
	Surface treatment	Silver gray (Color can be customized)
	Suitable Temperature	-20°C~50°C
	Passed the test of industrial standard JG/T 268	
	It can be used on both left and right side door	
	Only for single side open, and suits for wooden door, metal door and frame door etc.	

### Dimensions & Functional Characteristic



# 03

## Glass Door Patch



### Glass Door Patch List

NO.	Code	Product Name	Maximum Loading	Diagram	Glass Thickness	Door Height	Door Width	Page number
1	KMJ443 KMJ443A	Patch fitting	100Kg		10~12mm	≤ 2600mm	≤ 900mm	P139
2	KMJ112 KMJ113 KMJ123	Patch fitting	100Kg		10~12mm	≤ 2600mm	≤ 1000mm	P141
3	KMJ114	Patch fitting	130KG		10-12	≤ 2800mm	≤ 1000mm	P151
4	KMJ115 KMJ115B	Patch fitting	150Kg		12、15、 19mm	≤ 2800mm	≤ 1200mm	P152
5	KMJ117 KMJ118	Patch fitting	200Kg		15~22mm	≤ 3000mm	≤ 1300mm	P155
6	KMJ333	Brackets	100Kg		10~15mm	≤ 2600mm	≤ 1000mm	P159
7	KMJ344	Brackets	130Kg		10~15mm	≤ 2800mm	≤ 1100mm	P160
8	KMJ354	Brackets	130Kg		10~15mm	≤ 2800mm	≤ 1100mm	P161
9	KMJ356	Brackets	180Kg		>15~19mm	≤ 3000mm	≤ 1300mm	P181
10	KMJ214	Long patch fitting	130Kg		10~12mm	≤ 2800mm	≤ 1200mm	P165
11	KMJ215	Long patch fitting	150Kg		10~15mm	≤ 2800mm	≤ 1400mm	P167
12	KMJ217	Long patch fitting	200Kg		10~19mm	≤ 3000mm	≤ 1400mm	P169
13	M8	Fixed Patch Fitting	40Kg		10~12mm	≤ 1800mm	≤ 600mm	P171
14	M7/8	Fixed Patch Fitting	50Kg		10~12mm	≤ 2200mm	≤ 600mm	P172
15	M41A	Lock patch	/		10~12mm	/	/	P176



## Patch Series 100Kg

### Functional Characteristic

It's suitable for casement glass door  
 The decorative cover is fixed by inner hexagon screws  
 Both left and right doors can be used, no distinguish between left and right doors

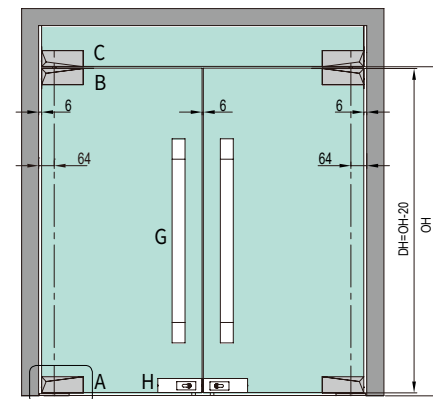
### Technical Parameters

Maximum Bearing	100kg
Glass Thickness	10-12mm
Door sash width dimension	≤900mm
Door sash height dimension	≤2600mm

### Main Material and Surface Finish

Main Material: Main body-- High strength die-casting aluminum alloy  
 Decorative cover--SS304  
 Surface Finish: Satin + Mirror

### Installation Diagram



A: Concealed Floor Hinge B: Upper Patch  
 C: Top Patch G: Handle  
 H: Glass Door Lock [KMS11250 (10~12/21)]



Used with concealed floor hinge (See P51)

### Functional Characteristic

It's suitable for casement glass door  
 The decorative cover is fixed by inner hexagon screws  
 Both left and right doors can be used, no distinguish between left and right doors

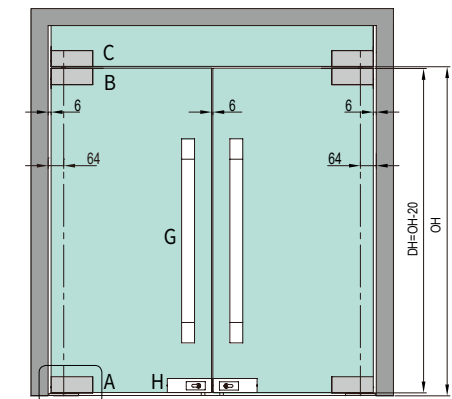
### Technical Parameters

Maximum Bearing	100kg
Glass Thickness	10-12mm
Door sash width dimension	≤900mm
Door sash height dimension	≤2600mm

### Main Material and Surface Finish

Main Material: Main body-- High strength die-casting aluminum alloy  
 Decorative cover--SS304  
 Surface Finish: Satin

### Installation Diagram

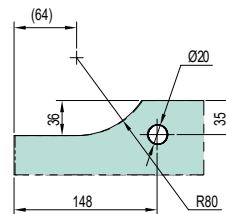
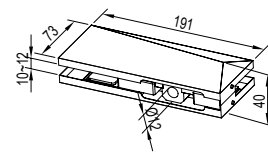


A: Concealed Floor Hinge B: Upper Patch  
 C: Top Patch G: Handle  
 H: Glass Door Lock [KMS11250 (10~12/21)]

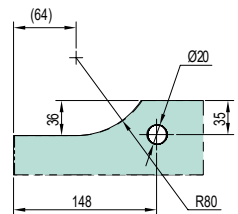
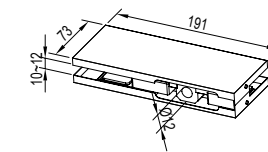


Used with concealed floor hinge (See P53)

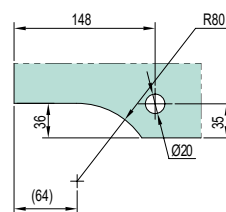
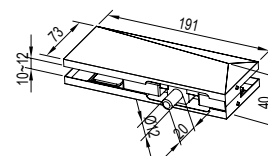
### KMJ44320 Upper Patch



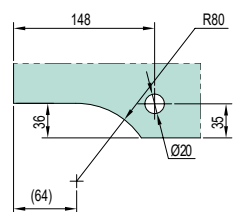
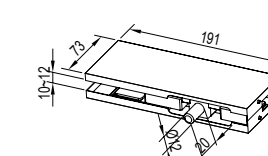
### KMJ4432A Upper Patch



### KMJ44330 Top Patch



### KMJ4433A Top Patch



## Patch Series 100Kg

### Functional Characteristic

- It's suitable for casement glass door
- The decorative cover is buckle-mounted
- Both left and right doors can be used, no distinguish between left and right doors
- The bottom patch cooperates with floor hinge and lower shaft
- Factory standard angle is 14° by default
- The supporting bending patch is KMJ11340

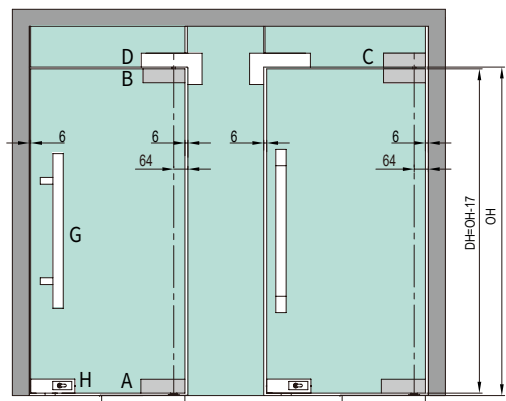
### Technical Parameters

Maximum Bearing	100kg
Glass Thickness	10-12mm
Door sash width dimension	≤1000mm
Door sash height dimension	≤2600mm

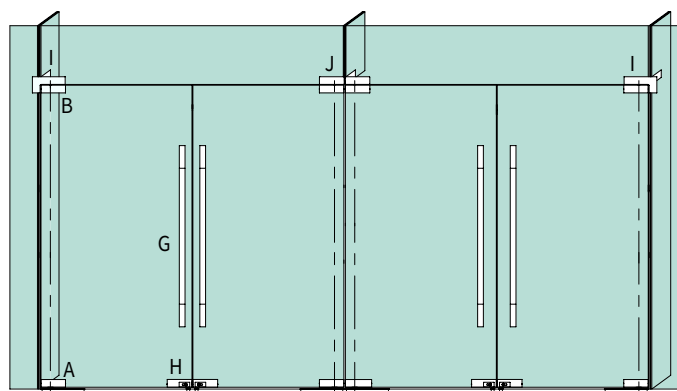
### Main Material and Surface Finish

- Main Material: Main body-- High strength die-casting aluminum alloy and high-quality carbon steel
- Decorative cover--SS304
- Surface Finish: Satin / Mirror

### Installation Diagram

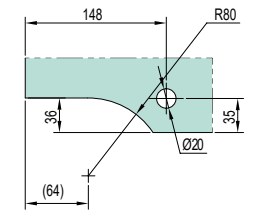
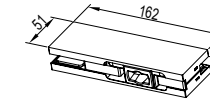


A: Bottom Patch    B: Upper Patch    C: Top Patch  
D: Bending Patch    G: Handle    H: Glass Door Lock

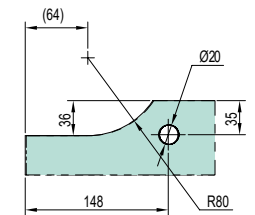
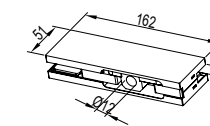


A: Bottom Patch    B: Upper Patch    G: Handle  
H: Glass Door Lock    I: F-shape Patch(Left/right)    J: T-shape Patch

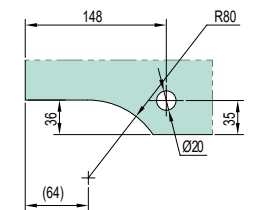
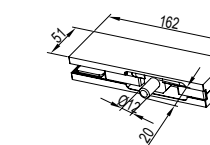
### KMJ11210 Bottom Patch



### KMJ11220 Upper Patch



### KMJ11230 Top Patch



## Patch Series 100Kg (Product for Overseas )

### Functional Characteristic

- It's suitable for casement glass door
- The decorative cover is fixed by inner hexagon screws
- Both left and right doors can be used, no distinguish between left and right doors
- The bottom patch cooperates with bottom shaft of floor hinge
- Factory standard angle is 14° by default

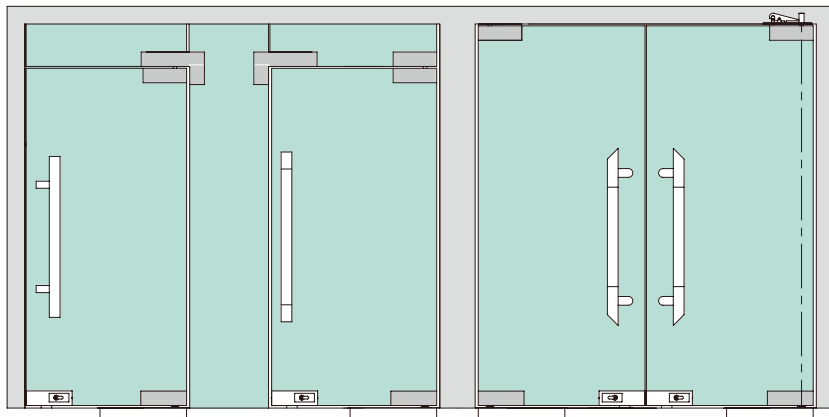
### Technical Parameters

Maximum Bearing	100kg
Glass Thickness	10-12mm
Door sash width dimension	≤1000mm
Door sash height dimension	≤2600mm

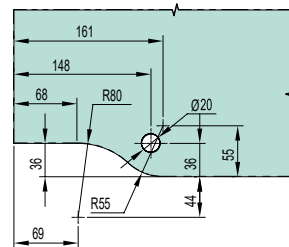
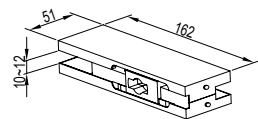
### Main Material and Surface Finish

Main Material: The inner core is made of high strength die-casting aluminium alloy and high-quality carbon steel  
 Decorative cover--SS304  
 Surface Finish: Satin / Mirror

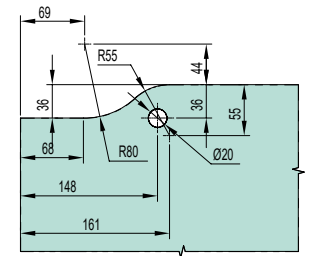
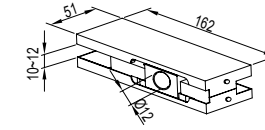
### Installation Diagram



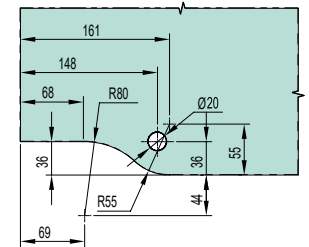
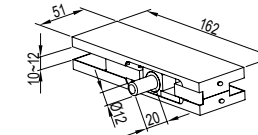
### KMJ1131C Bottom Patch



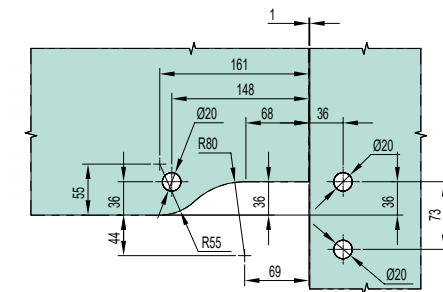
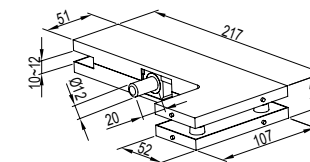
### KMJ1132C Upper Patch



### KMJ1133C Top Patch



### KMJ1134C Bending Patch



## Patch Series 100Kg

### Functional Characteristic

- It's suitable for casement glass door
- The decorative cover is fixed by inner hexagon screws
- Both left and right doors can be used, no distinguish between left and right doors
- The bottom patch cooperates with bottom shaft of floor hinge
- Factory standard angle is 6° by default

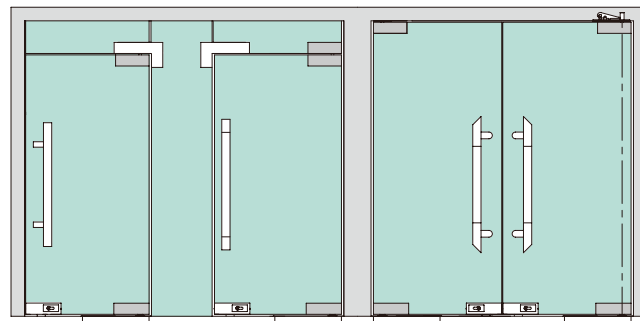
### Technical Parameters

Maximum Bearing	100kg
Glass Thickness	10-12mm
Door sash width dimension	≤1000mm
Door sash height dimension	≤2600mm

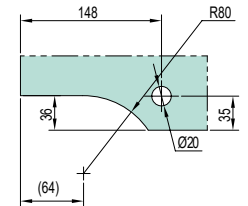
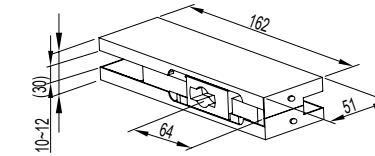
### Main Material and Surface Finish

- Main Material: Main body-- High strength die-casting aluminum alloy
- Decorative cover--SS304
- Surface Finish: Satin / Mirror

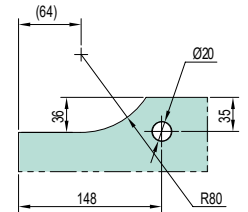
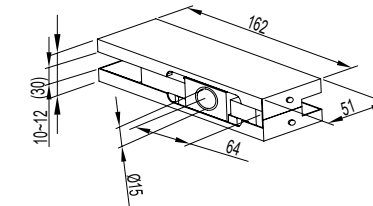
### Installation Diagram



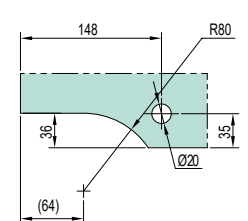
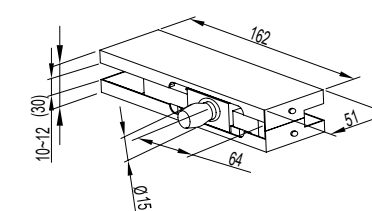
### KMJ1131D Bottom Patch



### KMJ1132D Upper Patch



### KMJ1133D Top Patch





# Patch Series 100Kg

## Functional Characteristic

It's suitable for casement glass door  
 The decorative cover is fixed by inner hexagon screws  
 Both left and right doors can be used, no distinguish between left and right doors  
 The bottom patch cooperates with bottom shaft of floor hinge  
 Factory standard angle is 14° by default

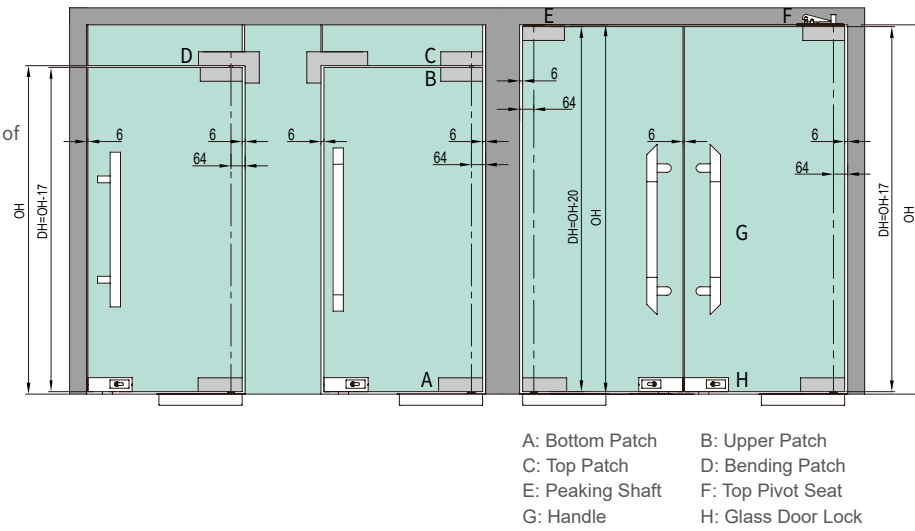
## Technical Parameters

Maximum Bearing	100kg
Glass Thickness	10-12mm
Door sash width dimension	≤1000mm
Door sash height dimension	≤2600mm

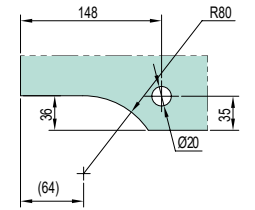
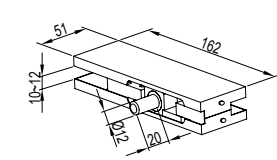
## Main Material and Surface Finish

Main Material: Main body-- High strength die-casting aluminum alloy  
 Decorative cover--SS304  
 Surface Finish: Satin / Mirror

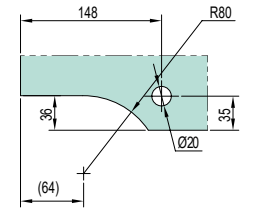
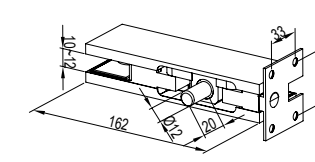
## Installation Diagram



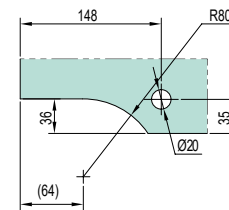
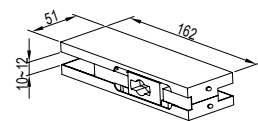
## KMJ11330 Top Patch Old Code M301



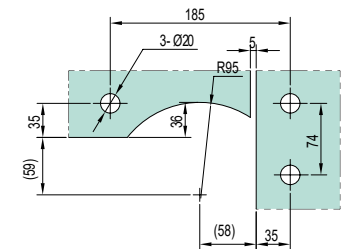
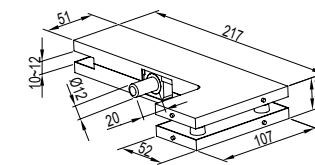
## KMJ1133A Top Patch Old Code M32



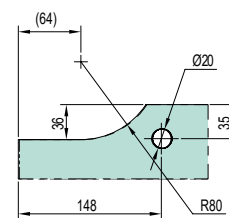
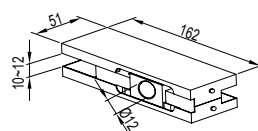
## KMJ11310 Bottom Patch Old Code M101



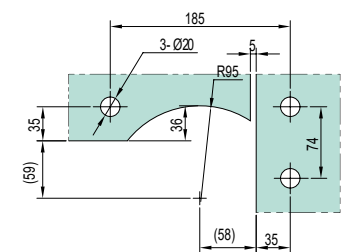
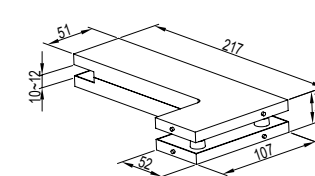
## KMJ11340 Bending Patch Old Code M401



## KMJ11320 Upper Patch Old Code M201

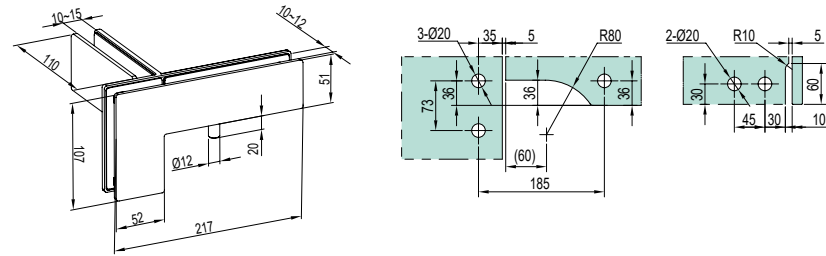


## KMJ1134A Bending Patch Old Code M401A



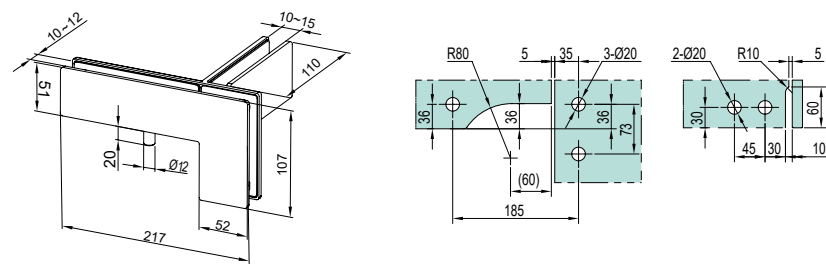
## Patch Series 100Kg

**KMJ1136L** F-shape Patch  
Old Code M60L



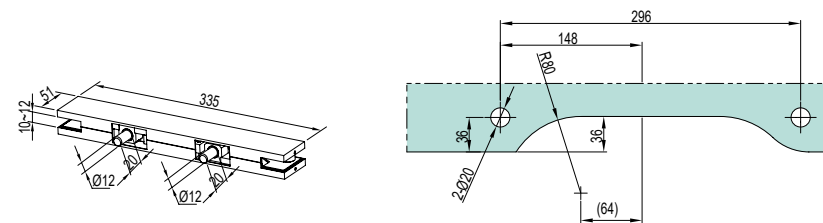
Note: The facade glass thickness is 10~12mm and the fin glass thickness is 10~15mm.

**KMJ1136R** F-shape Patch  
Old Code M60R

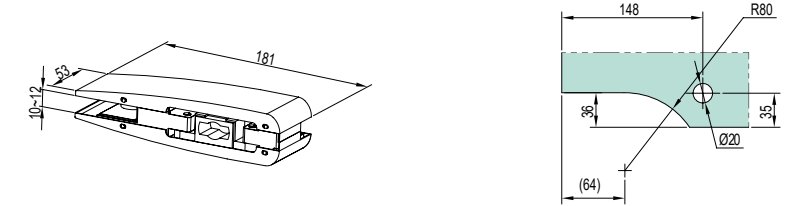


Note: The facade glass thickness is 10~12mm and the fin glass thickness is 10~15mm.

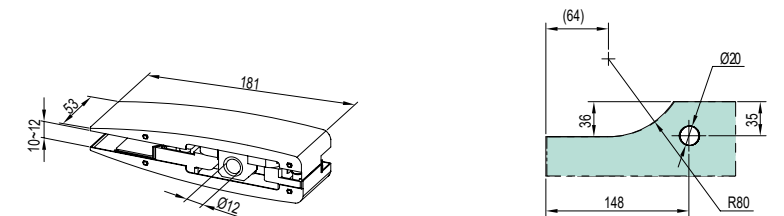
**KMJ11380** Linear-shape patch fitting  
Old Code M51



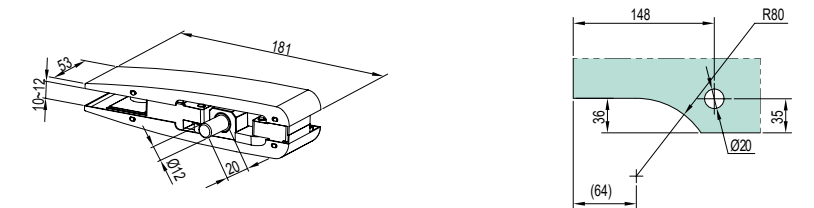
**KMJ12310** Bottom Patch  
Old Code YM11



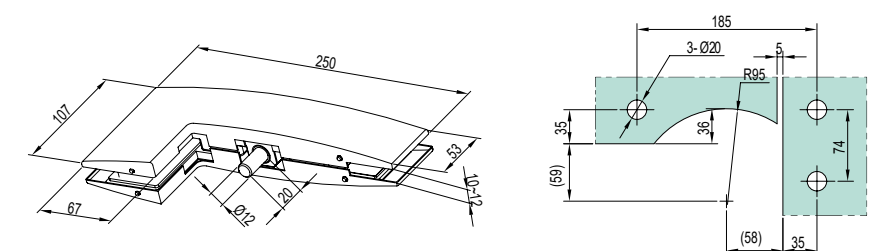
**KMJ12320** Upper Patch  
Old Code YM21



**KMJ12330** Top Patch  
Old Code YM31



**KMJ12340** Bending Patch  
Old Code YM41



## Patch Series 130Kg

### Functional Characteristic

It's suitable for casement glass door  
 The decorative cover is fixed by inner hexagon screws  
 Both left and right doors can be used, no distinguish between left and right doors  
 The bottom patch cooperates with bottom shaft of floor hinge  
 Factory standard angle is 14° by default

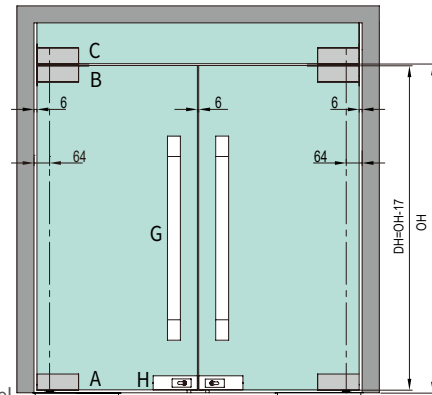
### Technical Parameters

Maximum Bearing	130kg
Glass Thickness	10-12mm
Door sash width dimension	≤1000mm
Door sash height dimension	≤2800mm

### Main Material and Surface Finish

Main Material: Main body-- High strength die-casting aluminum alloy and high-quality carbon steel  
 Decorative cover--SS304  
 Surface Finish: Satin / Mirror

### Installation Diagram



A: Bottom Patch B: Upper Patch C: Top Patch  
 G: Handle H: Glass Door Lock

## Patch Series 150Kg

### Functional Characteristic

It's suitable for casement glass door  
 The decorative cover is fixed by inner hexagon screws  
 Both left and right doors can be used, no distinguish between left and right doors  
 The bottom patch cooperates with bottom shaft of floor hinge  
 Factory standard angle is 14° by default

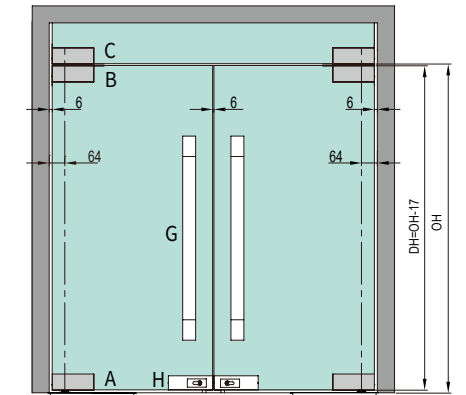
### Technical Parameters

Maximum Bearing	150kg
Glass Thickness	19mm
Door sash width dimension	≤1000mm
Door sash height dimension	≤2800mm

### Main Material and Surface Finish

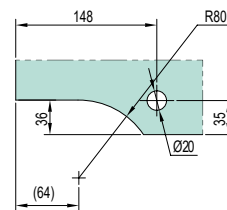
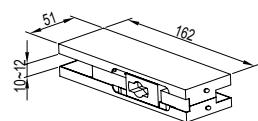
Main Material: Main body-- High strength die-casting aluminum alloy and high-quality carbon steel  
 Decorative cover--SS304  
 Surface Finish: Satin / Mirror

### Installation Diagram

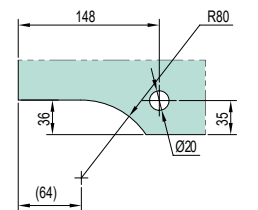
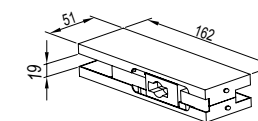


A: Bottom Patch B: Upper Patch C: Top Patch  
 G: Handle H: Glass Door Lock

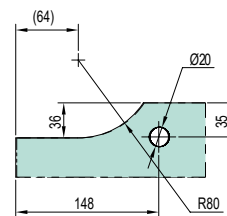
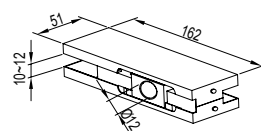
### KMJ11410 Bottom Patch



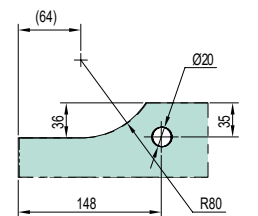
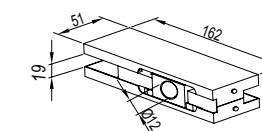
### KMJ1151B Bottom Patch



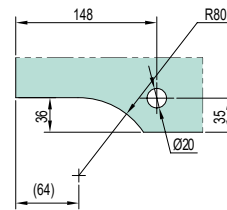
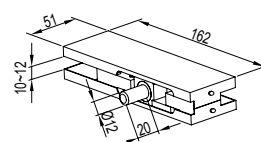
### KMJ11420 Upper Patch



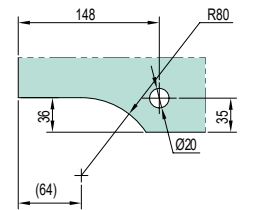
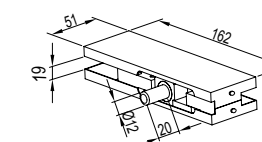
### KMJ1152B Upper Patch



### KMJ11430 Top Patch



### KMJ1153B Top Patch



# Patch Series 150Kg

## Functional Characteristic

It's suitable for casement glass door  
 The decorative cover is fixed by inner hexagon screws  
 Both left and right doors can be used, no distinguish between left and right doors  
 The bottom patch cooperates with bottom shaft of floor hinge  
 Factory standard angle is 14° by default

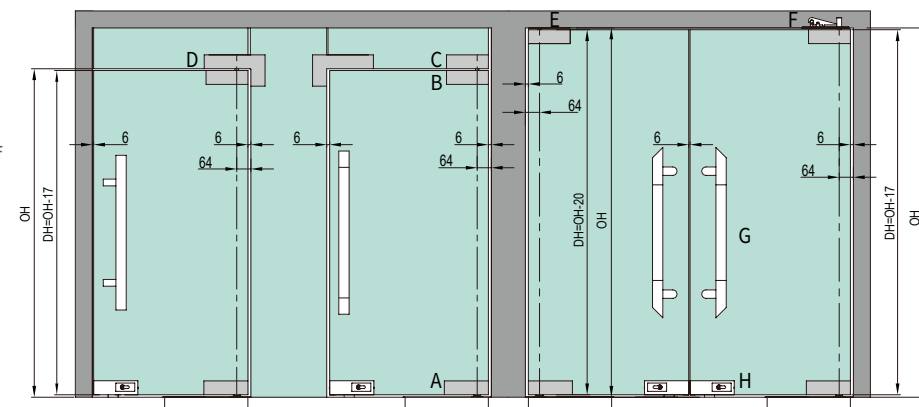
## Technical Parameters

Maximum Bearing	150kg
Glass Thickness	12、15mm
Door sash width dimension	≤1200mm
Door sash height dimension	≤2800mm

## Main Material and Surface Finish

Main Material: Main body-- High strength die-casting aluminum alloy  
 Decorative cover--SS304  
 Surface Finish: Satin / Mirror

## Installation Diagram

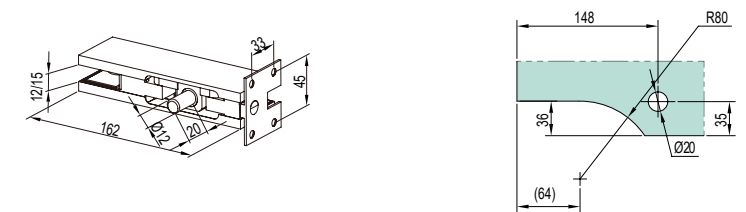


- A: Bottom Patch
- B: Upper Patch
- C: Top Patch
- D: Bending Patch
- E: Peaking Shaft
- F: Top Pivot Seat
- G: Handle
- H: Glass Door Lock

## KMJ11530 Top Patch Old Code M302



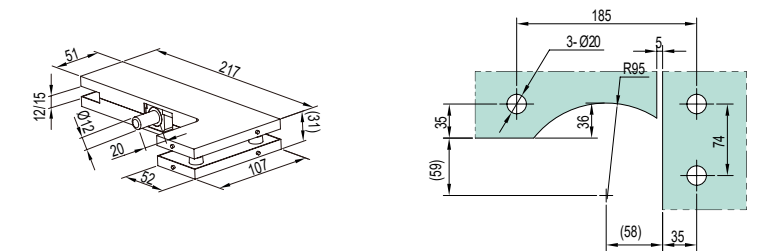
## KMJ1153A Top Patch Old Code M302A



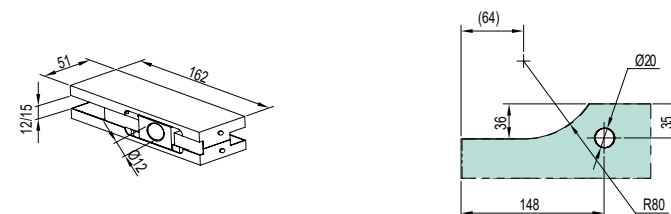
## KMJ11510 Bottom Patch Old Code M102



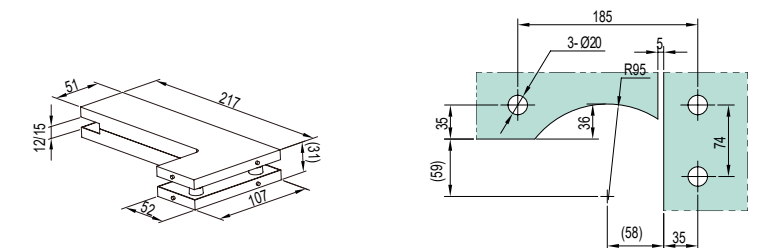
## KMJ11540 Bending patch Old Code M402



## KMJ11520 Upper Patch Old Code M202



## KMJ1154A Bending patch Old Code M402A





## Patch Series 200Kg

### Functional Characteristic

It's suitable for casement glass door  
 The decorative cover is fixed by inner hexagon screws  
 Both left and right doors can be used, no distinguish between left and right doors  
 The bottom patch cooperates with bottom shaft of floor hinge  
 Factory standard angle is 14° by default

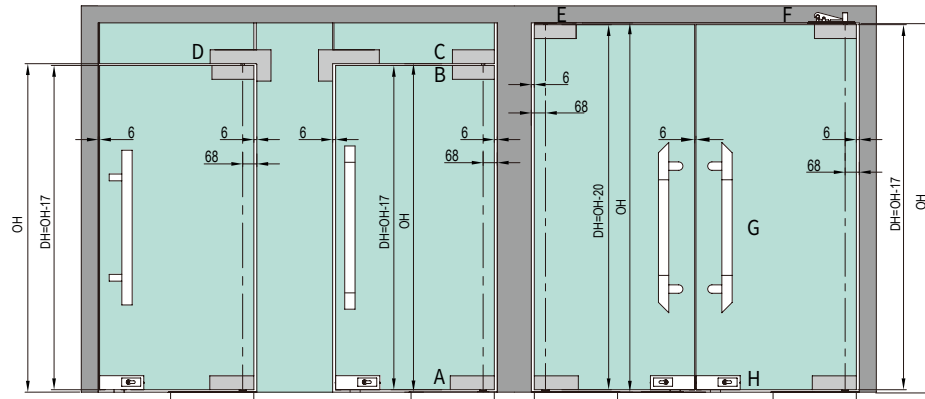
### Technical Parameters

Maximum Bearing	200kg
Glass Thickness	15-22mm
Door sash width dimension	≤1200mm
Door sash height dimension	≤3000mm

### Main Material and Surface Finish

Main Material: Main body-- Precision Casting Stainless Steel  
 Decorative cover--SS304  
 Surface Finish: Satin / Mirror

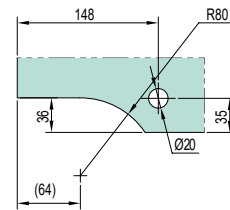
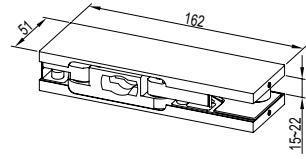
### Installation Diagram



- A: Bottom Patch
- B: Upper Patch
- C: Top Patch
- D: Bending Patch
- E: Peaking Shaft
- F: Top Pivot Seat
- G: Handle
- H: Glass Door Lock

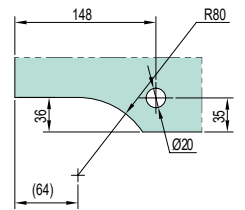
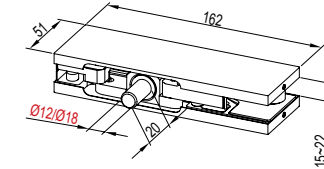
### KMJ11710 Bottom Patch

Old Code FM103



### KMJ11730 Top Patch

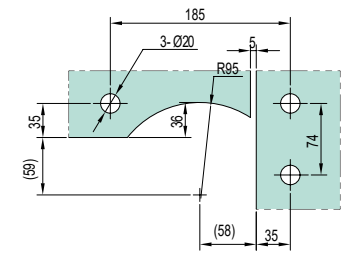
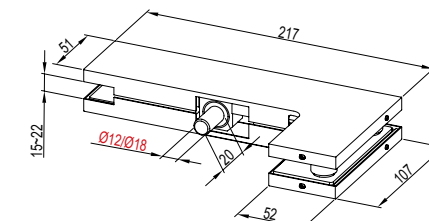
Old Code FM303/FM304



Note: Pay attention to the specifications of the matching shaft diameter when selecting

### KMJ11740 Bending patch

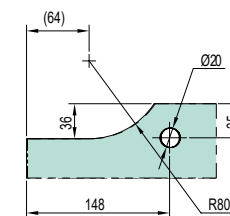
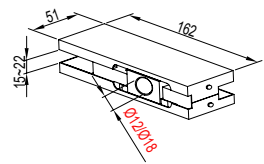
Old Code FM403/FM404



Note: Pay attention to the specifications of the matching shaft diameter when selecting

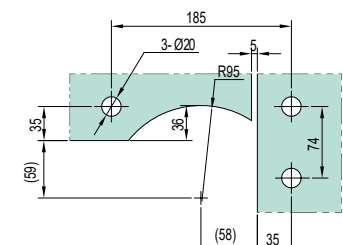
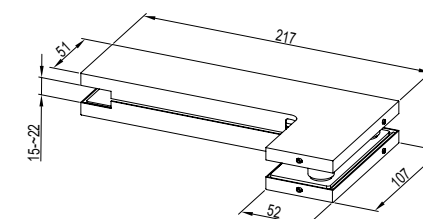
### KMJ11720 Upper Patch

Old Code FM203/FM204



### KMJ1174A Bending patch

Old Code FM403A



Note: Pay attention to the specifications of the matching shaft diameter when selecting

## Patch Series 200Kg

### Functional Characteristic

It's suitable for casement glass door  
 Suitable for structure with glass fin  
 Only for auxiliary fixing for facade glass and fin glass, not use for bearing loads  
 Both left and right doors can be used, distinguish between left and right doors

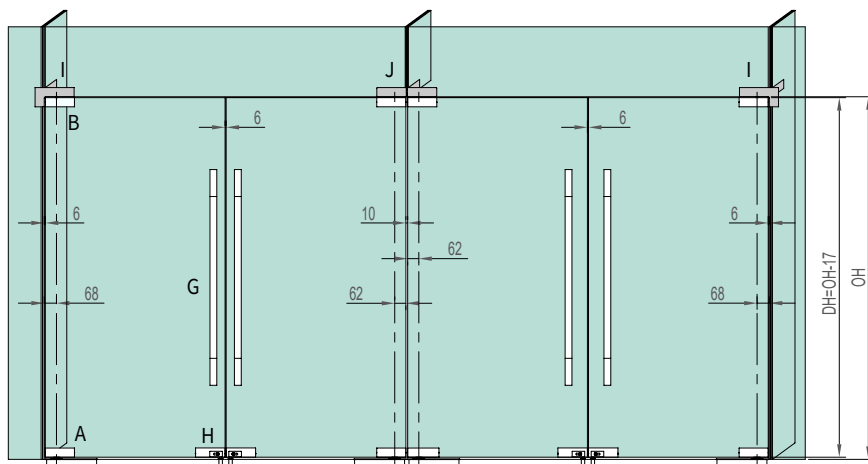
### Technical Parameters

Glass Thickness	KMJ11850	Glass panel 15-22mm、glass fin 15-25mm
	KMJ1186L/KMJ1186R	Glass panel 15-22mm、glass fin 15-20mm
Door sash width dimension	≤1200mm	
Door sash height dimension	≤3000mm	

### Main Material and Surface Finish

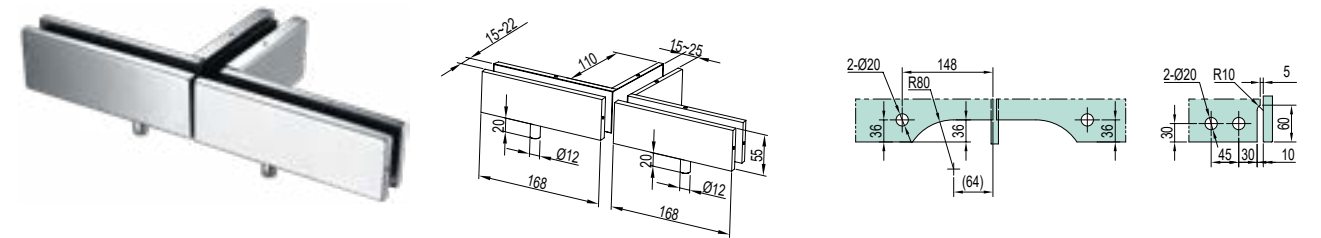
Main Material: Main body-- Precision Casting Stainless Steel  
 Surface Finish: Satin / Mirror

### Installation Diagram



- A: Bottom Patch
- B: Upper Patch
- G: Handle
- H: Glass Door Lock
- I: F-shape Patch (L) / (R)
- J: T-shape Patch

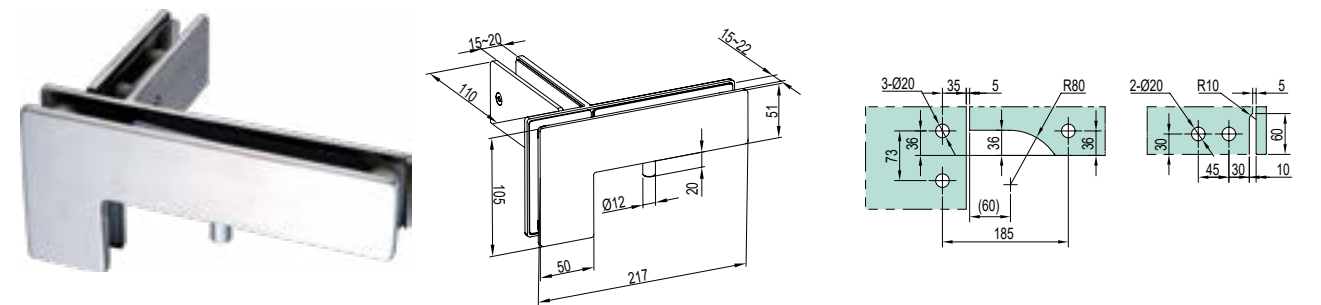
### KMJ11850 T-shape Patch



Note: The facade glass thickness is 15~22mm and the fin glass thickness is 15~25mm.

### KMJ1186L F-shape Patch

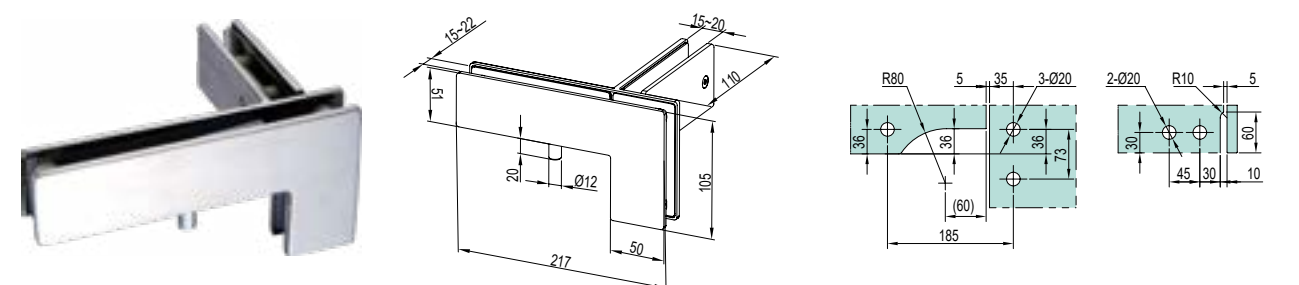
Old Code FM62L



Note: The facade glass thickness is 15~22mm and the fin glass thickness is 15~20mm.

### KMJ1186R F-shape Patch

Old Code FM62R



Note: The facade glass thickness is 15~22mm and the fin glass thickness is 15~20mm.

## Bracket Series 100Kg

### Functional Characteristic

It's suitable for casement glass door  
 The decorative cover is fixed by inner hexagon screws  
 Both left and right doors can be used, no distinguish between left and right doors  
 The bottom patch cooperates with bottom shaft of floor hinge  
 Factory standard angle is 14° by default

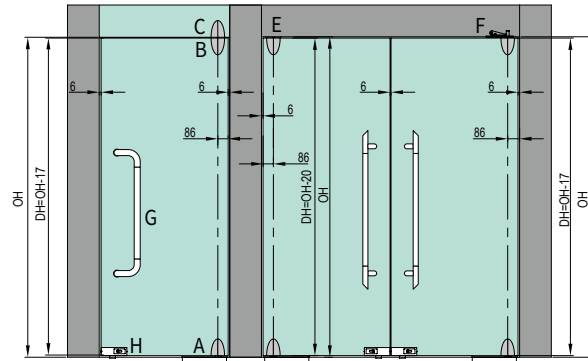
### Technical Parameters

Maximum Bearing	100kg
Glass Thickness	10-15mm
Door sash width dimension	≤1000mm
Door sash height dimension	≤2600mm

### Main Material and Surface Finish

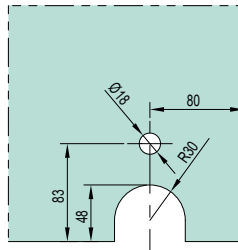
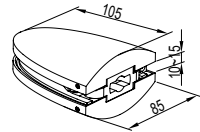
Main Material: Main body-- Precision Casting Aluminium Alloy  
 Decorative cover--SS304  
 Surface Finish: Satin / Mirror

### Installation Diagram

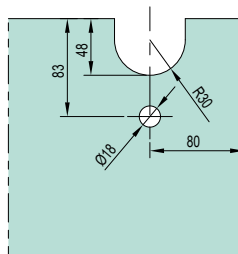
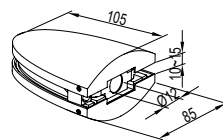


A: Bottom Bracket B: Upper Bracket C: Top Bracket  
 E: Peaking Shaft F: Top Pivot Seat G: Handle  
 H: Glass Door Lock

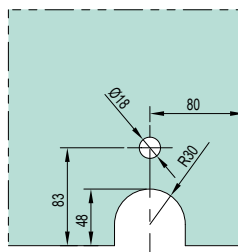
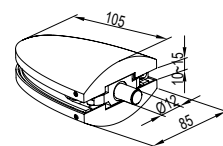
### KMJ33310 Bottom Bracket



### KMJ33320 Upper Bracket



### KMJ33330 Top Bracket



## Bracket Series 130Kg

### Functional Characteristic

It's suitable for casement glass door  
 Both left and right doors can be used, no distinguish between left and right doors  
 The bottom patch cooperates with bottom shaft of floor hinge  
 Factory standard angle is 14° by default

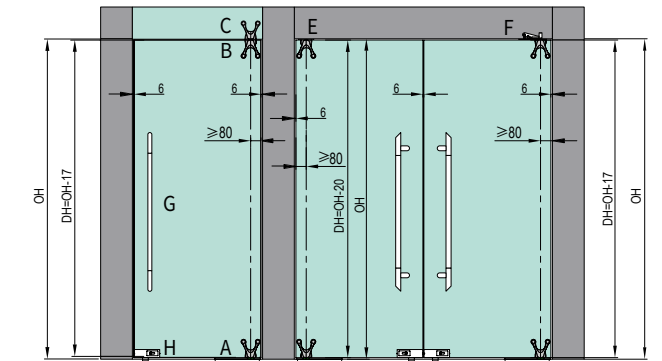
### Technical Parameters

Maximum Bearing	130kg
Glass Thickness	10-15mm
Door sash width dimension	≤1100mm
Door sash height dimension	≤2800mm

### Main Material and Surface Finish

Main Material: Main body-- Precision Casting Stainless Steel 304  
 Surface Finish: Satin / Mirror

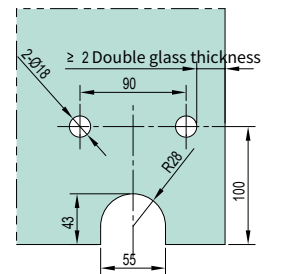
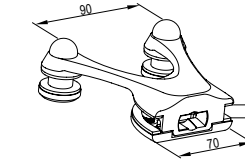
### Installation Diagram



A: Bottom Bracket B: Upper Bracket C: Top Bracket  
 E: Peaking Shaft F: Top Pivot Seat G: Handle  
 H: Glass Door Lock

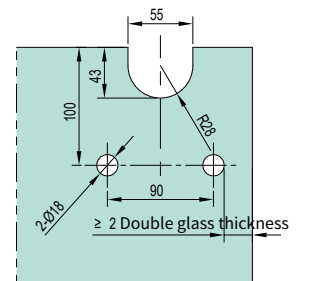
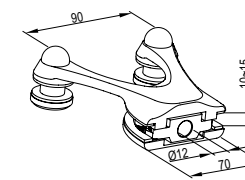
### KMJ34410 Bottom Bracket

Old Code Y408



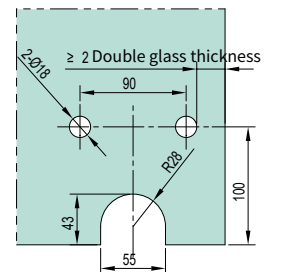
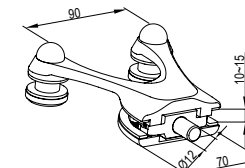
### KMJ34420 Upper Bracket

Old Code Y409



### KMJ34430 Top Bracket

Old Code Y410



## Bracket Series 130Kg

### Functional Characteristic

It's suitable for casement glass door  
 Both left and right doors can be used, no distinguish between left and right doors  
 The bottom patch cooperates with bottom shaft of floor hinge  
 Factory standard angle is 14 ° by default  
 The length of the long bracket is customized according to engineering requirements

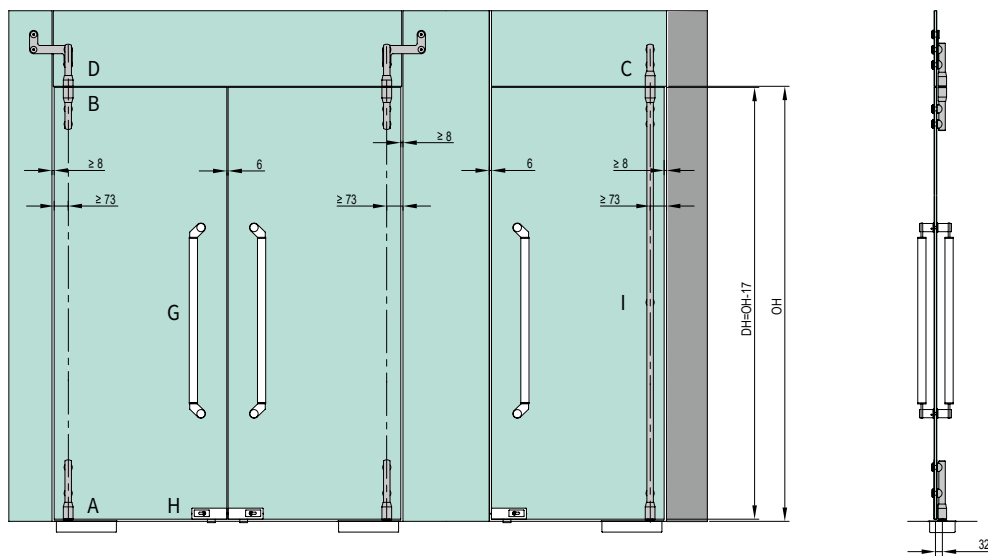
### Technical Parameters

Maximum Bearing 130kg  
 Glass Thickness 10-15mm  
 Door sash width dimension ≤1100mm  
 Door sash height dimension ≤2800mm

### Main Material and Surface Finish

Main Material: Main body-- Precision Casting Stainless Steel 304  
 Surface Finish: Satin / Mirror

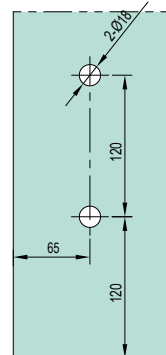
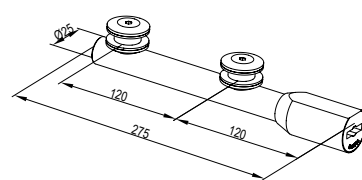
### Installation Diagram



- A: Bottom Bracket
- B: Upper Bracket
- C: Top Bracket
- D: Bending Bracket
- G: Handle
- H: Glass Door Lock
- I: Long Bracket

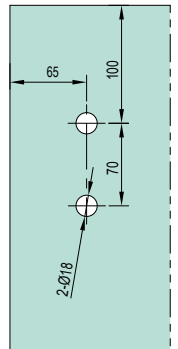
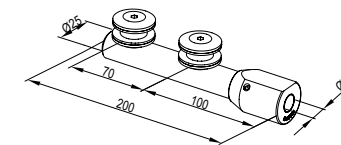
### KMJ35410 Bottom Bracket

Old Code Y801F



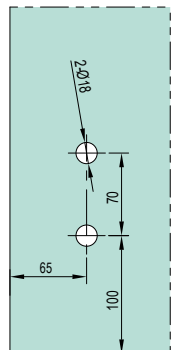
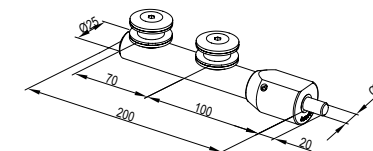
### KMJ35420 Upper Bracket

Old Code Y802F



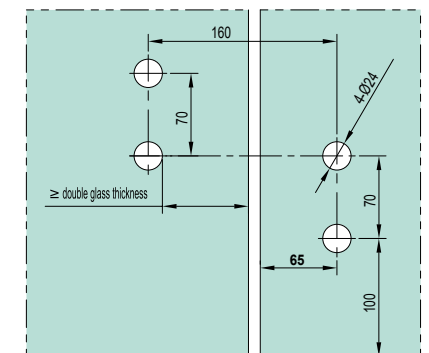
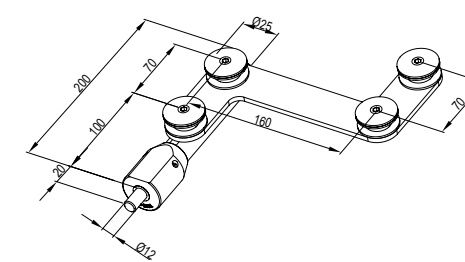
### KMJ35430 Top Bracket

Old Code Y803F



### KMJ35440 Bending Bracket

Old Code Y804F





## Bracket Series 180Kg

### Functional Characteristic

It's suitable for casement glass door  
 Both left and right doors can be used, no distinguish between left and right doors  
 The bottom patch cooperates with bottom shaft of floor hinge  
 Factory standard angle is 14° by default  
 The length of the long bracket is customized according to engineering requirements

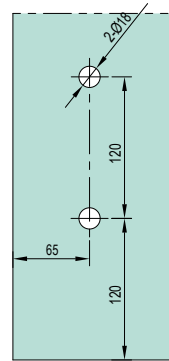
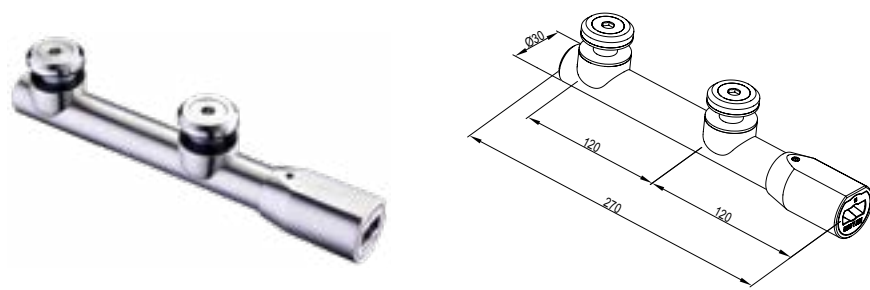
### Technical Parameters

Maximum Bearing 180kg  
 Glass Thickness > 15-19mm  
 Door sash width dimension ≤ 1300mm  
 Door sash height dimension ≤ 3000mm

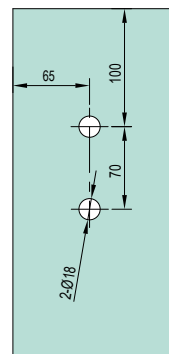
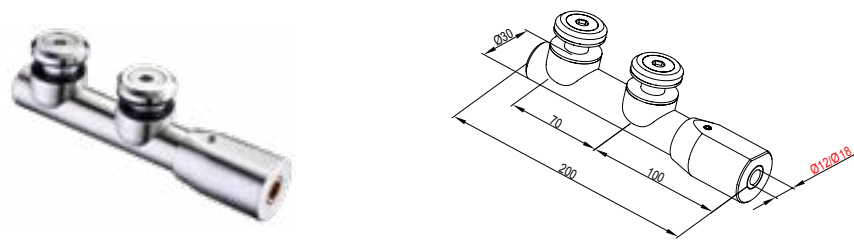
### Main Material and Surface Finish

Main Material: Main body-- Precision Casting Stainless Steel 304  
 Surface Finish: Satin/ Mirror

### KMJ35610 Bottom Bracket Old Code Y901F

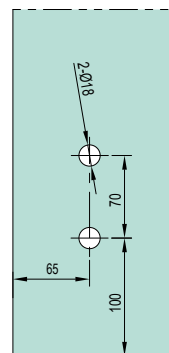
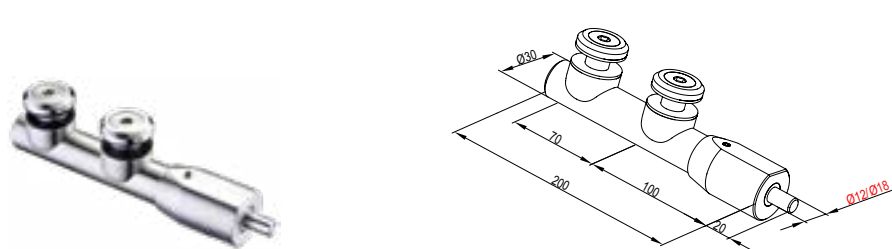


### KMJ35620 Upper Bracket



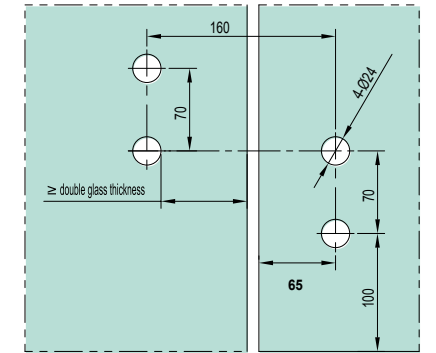
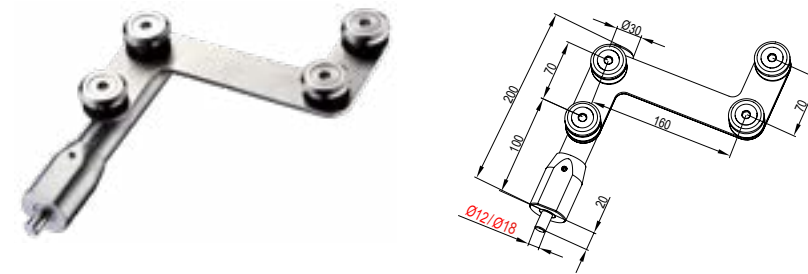
Note: Pay attention to the specifications of the matching shaft diameter when selecting

### KMJ35630 Top Bracket



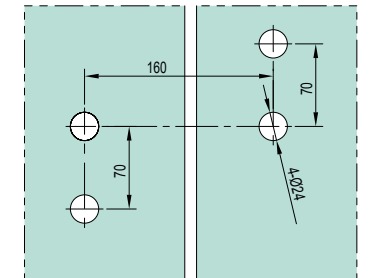
Note: Pay attention to the specifications of the matching shaft diameter when selecting

### KMJ35640 Bending Bracket

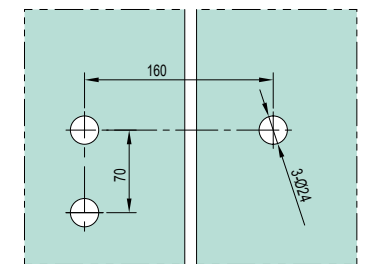


Note: Pay attention to the specifications of the matching shaft diameter when selecting

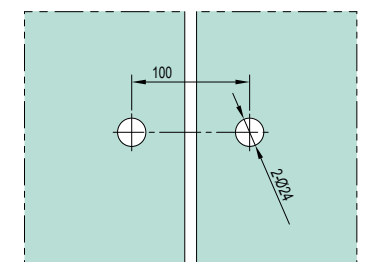
### KMJ36080 Z-shape Bracket Old Code Y905F



### KMJ3608A L-shape Bracket Old Code Y906F



### KMJ3608B —-shape Bracket Old Code Y908F



## Long Patch Series 130Kg

### Functional Characteristic

- It's suitable for casement glass door
- Both left and right doors can be used, no distinguish between left and right doors
- The inner and outer clips of the main body are separated structures
- No need to cut out glass
- The bottom patch cooperates with bottom shaft of floor hinge;
- Spindle angle is 14° by default
- Need to provide glass door width DW when place order

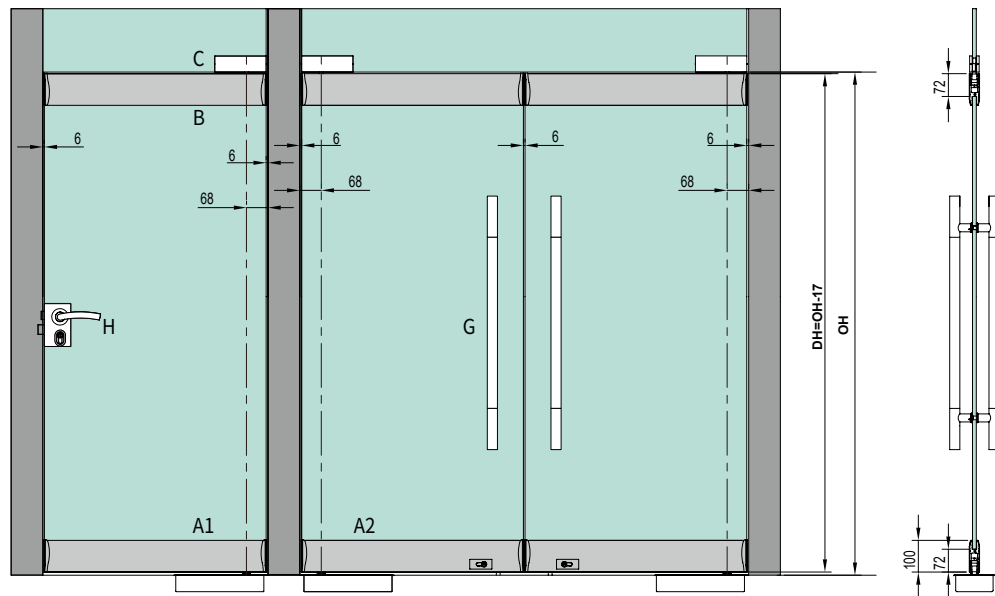
### Technical Parameters

Maximum Bearing	130kg
Glass Thickness	10-12mm
Door width dimension	≤1200mm
Door height dimension	≤2800mm

### Main Material and Surface Finish

Main Material: The main body and decorative cover are made of high strength extrusion aluminum alloy  
 Surface Finish: silvery white sandblasting oxidation

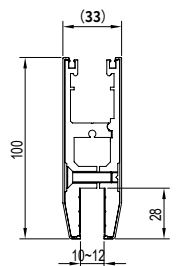
### Installation Diagram



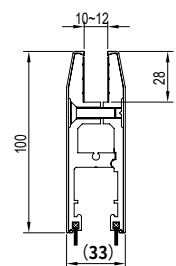
- A1: Bottom Patch
- A2: Bottom patch with lock
- B: Upper Patch
- C: Top Patch
- G: Handle
- H: Glass Door Lock

Glass door sash height cutting size = Doorway height-2\*43-17 (sum of upper and lower door seam)

L (Total length of the patch) =DW (Glass door width) +4mm



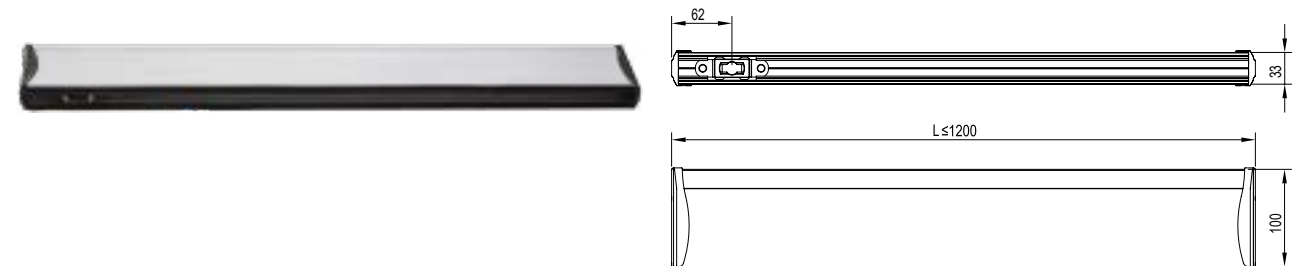
Upper patch sectional view



Bottom patch sectional view

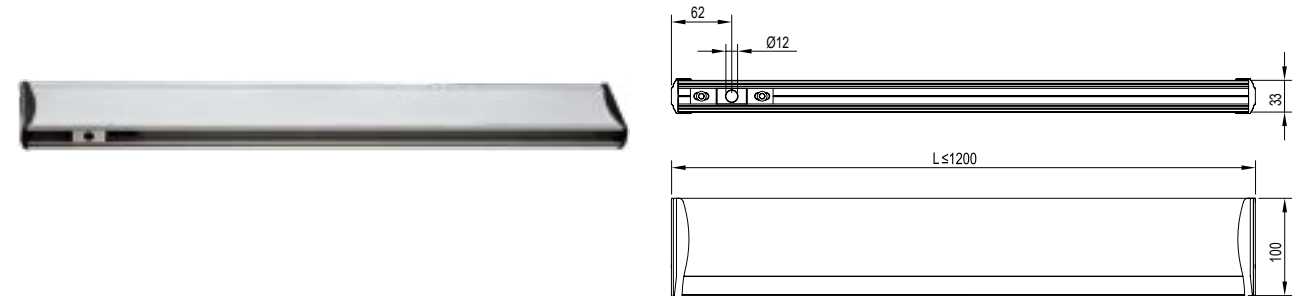
### KMJ21410 Bottom Patch

Previous Code CM12



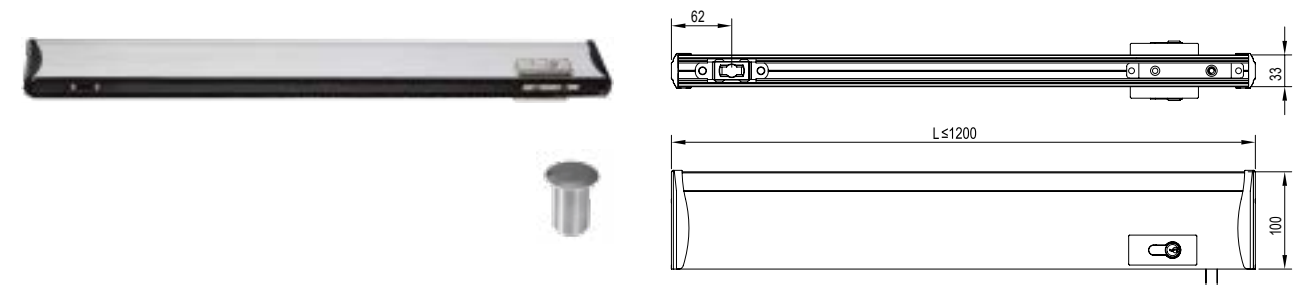
### KMJ21420 Upper Patch

Previous Code CM22



### KMJ21400 Bottom patch with lock

Previous Code CMS14



## Long Patch Series 150Kg

### Functional Characteristic

- It's suitable for casement glass door
- Both left and right doors can be used, no distinguish between left and right doors
- The main body is an integrated structure
- No need to drill a hole
- The bottom patch cooperates with bottom shaft of floor hinge;
- Factory standard angle is 14 ° by default
- Need to provide glass door width DW when place order

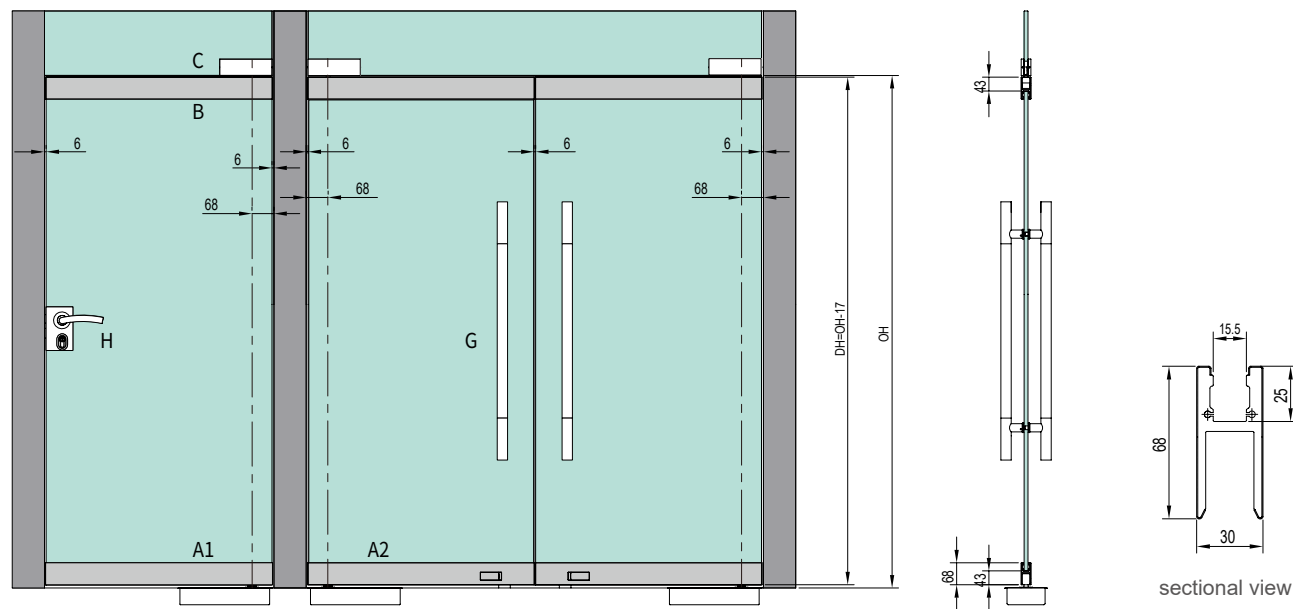
### Technical Parameters

- Maximum Bearing 150kg
- Glass Thickness 10-15mm
- Door sash width dimension ≤1400mm
- Door sash height dimension ≤2800mm

### Main Material and Surface Finish

- Main Material: Main body is made of the high strength extrusion aluminum alloy, Decorative cover is made of the SS304
- Surface Finish : Satin

### Installation Diagram

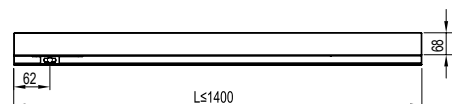


- A1: Bottom Patch
- A2: Bottom patch with lock
- B: Upper Patch
- C: Top Patch
- G: Handle
- H: Glass Door Lock

Glass door sash height cutting size = Doorway height-2\*43-17 (sum of upper and lower door seam)  
 L (Total length of the patch) =DW (Glass door width) +3mm

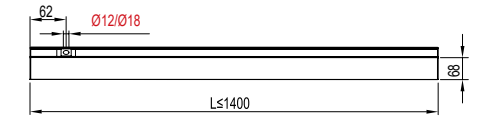
### KMJ21510 Bottom Patch

Old Code CM10



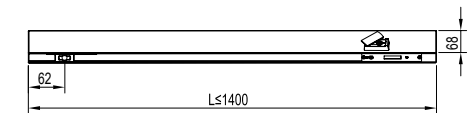
### KMJ21520 Upper Patch

Old Code CM201



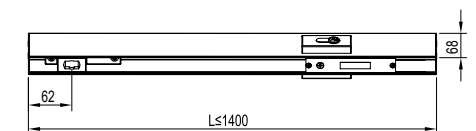
### KMJ21500 Bottom patch with lock

Old Code CMS10



### KMJ2150A Bottom patch with lock

Old Code CMS12



## Long Patch Series 200Kg

### Functional Characteristic

It's suitable for casement glass door  
Both left and right doors can be used, no distinguish between left and right doors  
The main body is an integrated structure  
No need to drill a hole  
The bottom patch cooperates with bottom shaft of floor hinge  
Factory standard angle is 14° by default  
Need to provide glass door width DW when place order

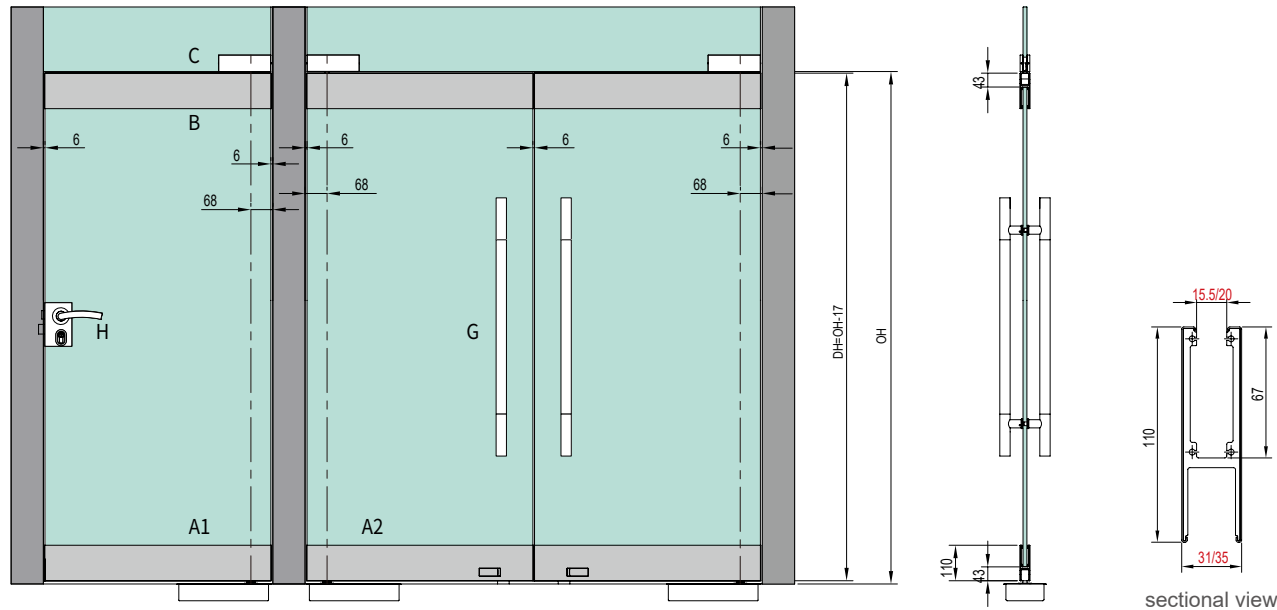
### Technical Parameters

Maximum Bearing 200kg  
Glass Thickness 10-19mm  
Door sash width dimension ≤1400mm  
Door sash height dimension ≤3000mm

### Main Material and Surface Finish

Main Material: Main body is made of the high strength extrusion aluminum alloy,  
Decorative cover is made of the SS304  
Surface Finish: Satin

### Installation Diagram

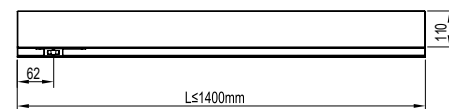


A1: Bottom Patch  
A2: Bottom patch with lock  
B: Upper Patch  
C: Top Patch  
G: Handle  
H: Glass Door Lock

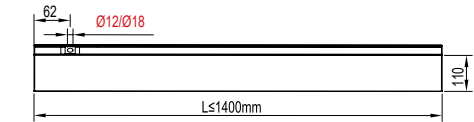
Glass door sash height cutting size = Doorway height-2\*43-17 (sum of upper and lower door seam)

L (Total length of the patch) = DW (Glass door width) +3mm

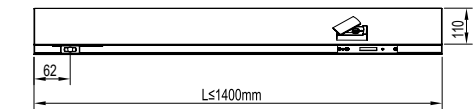
### KMJ21710 Bottom Patch



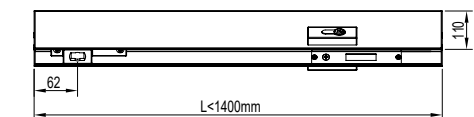
### KMJ21720 Upper Patch



### KMJ21700 Bottom patch with lock



### KMJ2170A Bottom patch with lock





## Fixed Patch Fitting 40Kg

### Functional Characteristic

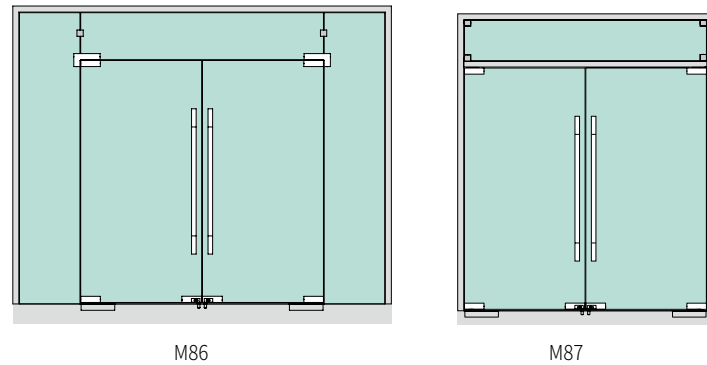
Use for the fixed glass  
Both left and right doors can be used, no distinguish between left and right doors

### Technical Parameters

Maximum Bearing	40kg
Glass Thickness	10-12mm
Door sash width dimension	≤600mm
Door sash height dimension	≤1800mm

### Main Material and Surface Finish

Main Material: the inner core is made of high strength die-casting aluminium alloy  
Decorative cover-SS304  
Surface Finish: Mirror or Satin



### M86 Fixed Patch Fitting



#### Notes:

1. It's suitable for casement glass door, and the side and top glass are fixed with the wall;
2. Decorative cover adopts inner hexago
3. It's not recommended to be used for b large wind pressure ar

1. It's suitable for casement glass door, and the side and top glass are fixed with the wall;
2. Decorative cover adopts inner hexago

### M87 TFixed Patch Fitting



#### Notes:

1. The four edges of glass should be along with silicone when installing the product.
2. It's not recommended to be used for large wind pressure area.

1. It's suitable for casement glass door, and the side and top glass are fixed with the wall;
2. Decorative cover adopts inner hexagon screws;

## Fixed Patch Fitting 50Kg

### Functional Characteristic

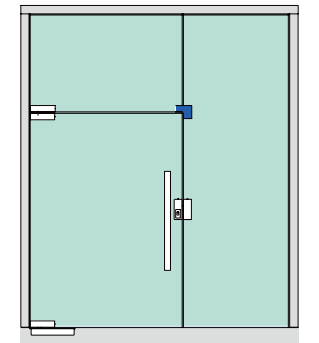
It's suitable for casement glass door  
Decorative cover adopts inner hexagon screws  
It can be opened from left or right  
Both left and right doors can be used, no distinguish between left and right doors

### Technical Parameters

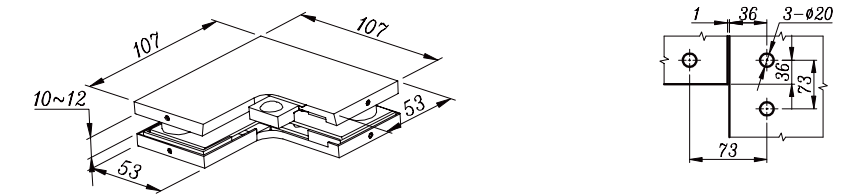
Maximum Bearing	50kg
Glass Thickness	10-12mm
Door sash width dimension	≤600mm
Door sash height dimension	≤2200mm

### Main Material and Surface Finish

Main Material: the inner core is made of high strength die-casting aluminium alloy  
Decorative cover-SS304  
Surface Finish: Mirror or Satin



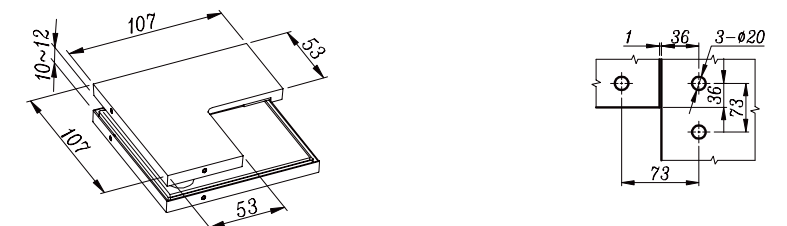
### M70 Fixed Patch Fitting



#### Notes:

1. The glass gap can be adjusted as real site condition, but center hole distances should be assured.
2. The four edges of glass should be along with silicone when installing the product..
3. It's not recommended to be used for big wind area.

### M71 TFixed Patch Fitting



#### Notes:

1. The glass gap can be adjusted as real site condition, but center hole distances should be assured.
2. The four edges of glass should be along with silicone when installing the product..
3. It's not recommended to be used for big wind area.

## Fixed Patch Fitting 50Kg

### Functional Characteristic

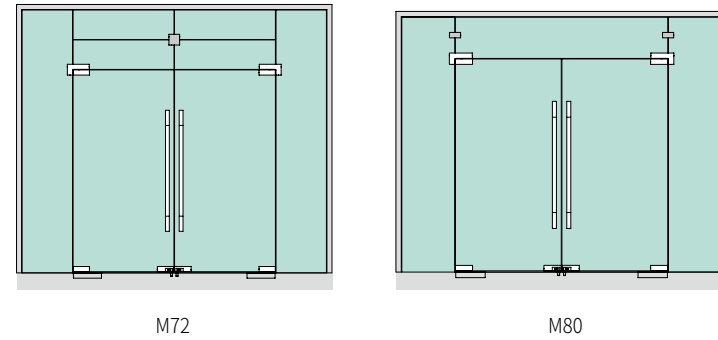
It can be opened from left or right  
Both left and right doors can be used, no distinguish between left and right doors

### Technical Parameters

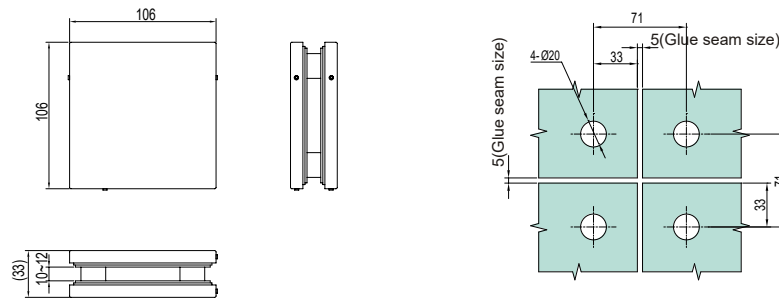
Maximum Bearing 50kg  
Glass Thickness 10-12mm  
Door sash width dimension  $\leq 600\text{mm}$   
Door sash height dimension  $\leq 2200\text{mm}$

### Main Material and Surface Finish

Main Material: The inner core is made of high strength die-casting aluminium alloy  
Decorative cover-SS304  
Surface Finish: Mirror or Satin



### M72 Fixed Patch Fitting

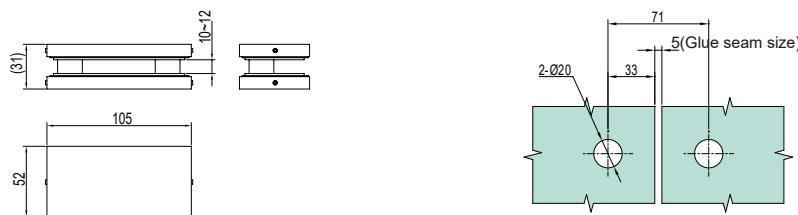


#### Notes:

1. The glass gap can be adjusted as real site condition, but center hole distances should be assured.
2. The four edges of glass should be along with silicone when installing the product.
3. It's not recommended to be used for big wind area.

1. It's suitable for casement glass door with fixed upper glass;
2. Decorative cover adopts inner hexagon screws;

### M80 Fixed Patch Fitting



#### Notes:

1. The four edges of glass should be along with silicone when installing the product.
2. It's not recommended to be used for large wind pressure area.

1. It's suitable for casement glass door with fixed side and top glass;
2. Decorative cover adopts inner hexagon screws;

## Fixed Patch Fitting 50Kg

### Functional Characteristic

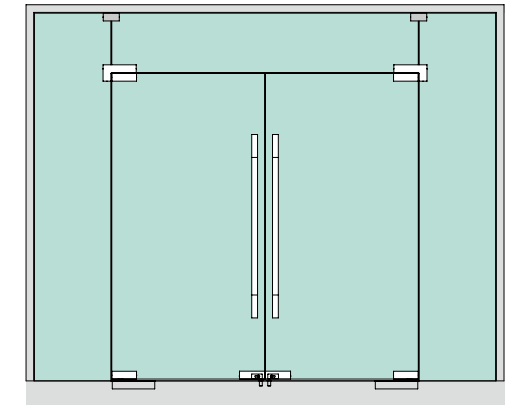
It's suitable for casement glass door, and the side and top glass are fixed with the wall  
Decorative cover adopts inner hexagon screws  
Use for the fixed glass  
Both left and right doors can be used, no distinguish between left and right doors

### Technical Parameters

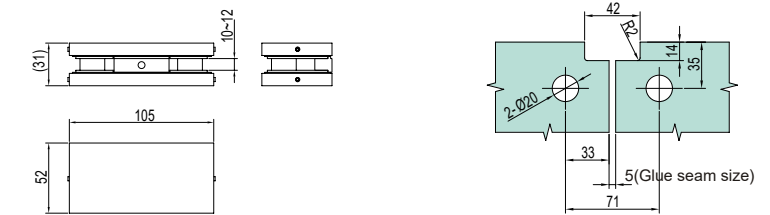
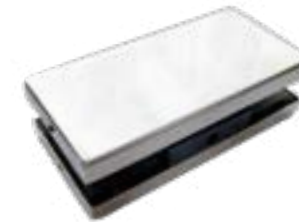
Maximum Bearing 50kg  
Glass Thickness 10-12mm  
Door sash width dimension  $\leq 600\text{mm}$   
Door sash height dimension  $\leq 2200\text{mm}$

### Main Material and Surface Finish

Main Material: the inner core is made of high strength die-casting aluminium alloy  
Decorative cover-SS304  
Surface Finish: Mirror or Satin



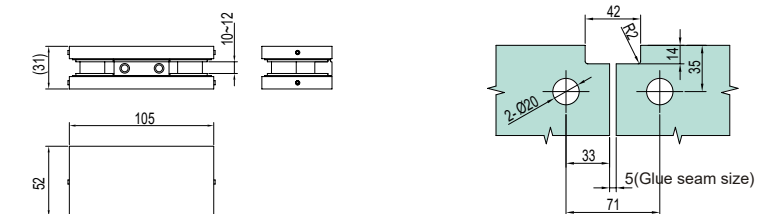
### M81 Fixed Patch Fitting



#### Notes:

1. The glass gap can be adjusted as real site condition, but center hole distances should be assured.
2. The four edges of glass should be along with silicone when installing the product.
3. It's not recommended to be used for big wind area.

### M82 Fixed Patch Fitting



#### Notes:

1. The glass gap can be adjusted as real site condition, but center hole distances should be assured.
2. The four edges of glass should be along with silicone when installing the product.
3. It's not recommended to be used for big wind area.

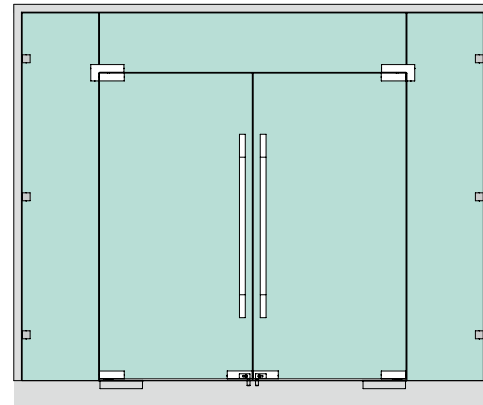
## Fixed Patch Fitting 50Kg

### Functional Characteristic

It's suitable for casement glass door, and the side and top glass are fixed with the wall  
 Decorative cover adopts inner hexagon screws  
 Use for the fixed glass  
 Both left and right doors can be used, no distinguish between left and right doors

### Technical Parameters

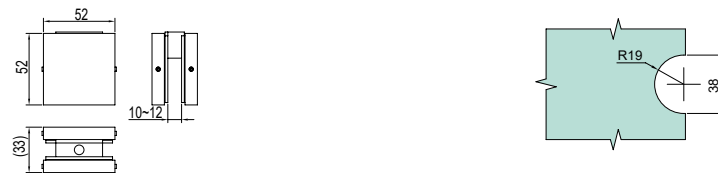
Maximum Bearing 50kg  
 Glass Thickness 10-12mm  
 Fixed glass dimension glass height  $\leq$  3000mm  
 glass width  $\leq$  5000mm adopt three fixed clamps fittings;  
 3000mm  $\leq$  glass height  $\leq$  3200mm, glass width  $\leq$  500mm,  
 then 4 fixed clamp fittings.



### Main Material and Surface Finish

Main Material: the inner core is made of high strength die-casting aluminium alloy  
 Decorative cover-SS304  
 Surface Finish: Mirror or Satin

## M83 Fixed Patch Fitting



#### Notes:

1. The four edges of glass should be along with silicone when installing the product.
2. It's not recommended to be used for large wind pressure area.

## M84 Fixed Patch Fitting



#### Notes:

1. The four edges of glass should be along with silicone when installing the product..
2. It's not recommended to be used for large wind pressure area..

## Lock patch

### Functional Characteristic

Suitable for swing glass door  
 The decorative cover is fixed by inner hexagon screws  
 It is compatible with glass door lock KMS11210, KMS11230, KMS1123B-HW, KMS11250

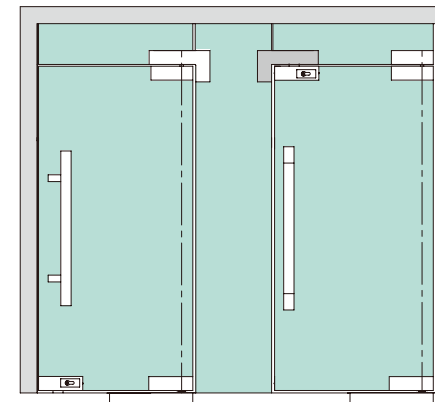
### Technical Parameters

Glass Thickness 10-12mm

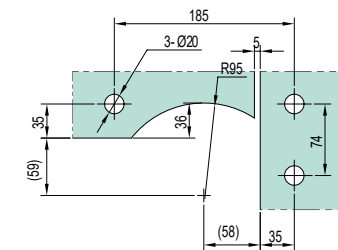
### Main Material and Surface Finish

Main Material: Main body-- High strength die-casting aluminum alloy  
 Decorative cover--SS304  
 Surface Finish: Mirror or Satin

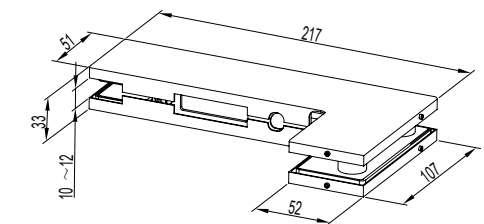
### Installation Diagram



### Drilling drawing



## M41A Lock patch



# 04

## Door Lock



## Glass Door Lock Series

### Functional Characteristic

- Suitable for the swing glass door;
- Locking and opening by keys both inside and outside;
- Suitable for single or double glass door;
- For the double doors with the center door lock, glass door latch is needed.

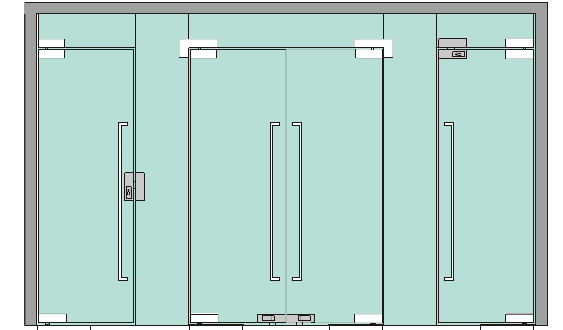
### Technical Parameters

Glass Thickness: KMS11230/KMS11240A	10~22mm
KMS11250	10~15mm

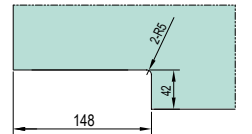
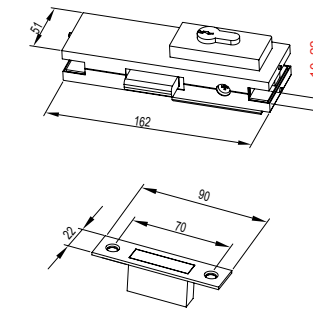
### Main Material and Surface Finish

- Main Material: The inner core is made of the high strength aluminum alloy
- Decorative cover is made of the S.S 304
- Surface Finish: Satin / Mirror

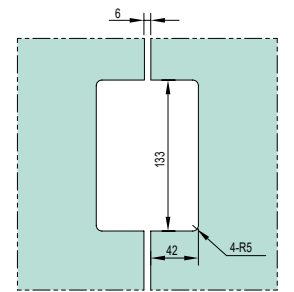
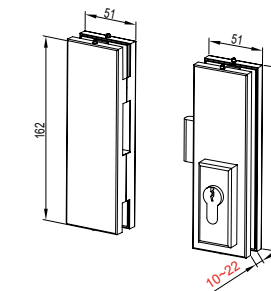
### Installation Diagram



### KMS11230 Glass Door Lock

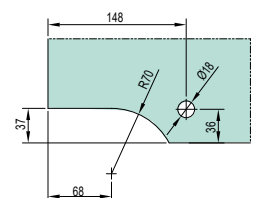
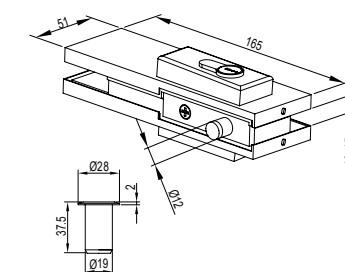


### KMS11240A Glass Door Lock



Subsidiary Lock    Master Lock

### KMS11250 Glass Door Lock Old Code S110A



Dust-proof tube can be equipped with adjustable dust-proof tube KMS51230-01



## Glass Door Lock Series

### Functional Characteristic

- Suitable for swing glass door;
- Opening and locking by the rotary knob inside and by key outside
- Suitable for single or double glass door
- For the double door with the center door lock, glass door latch is needed.

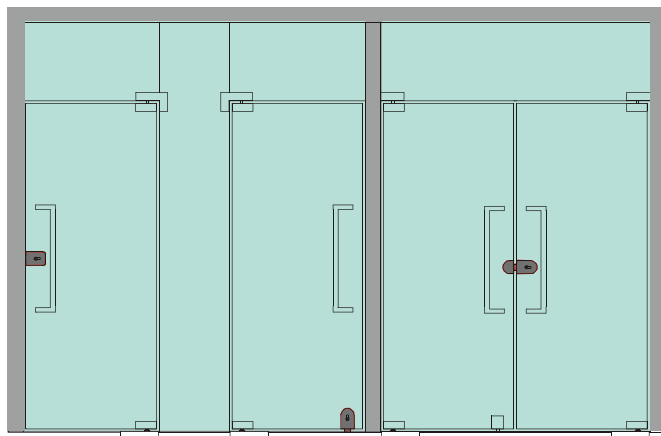
### Technical Parameters

Glass Thickness: 10~19mm

### Main Material and Surface Finish

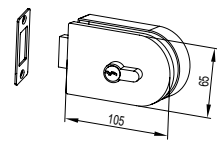
Main Material: Decorative cover is made of the S.S 304  
Surface Finish: Satin / Mirror

### Installation Diagram

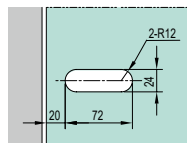


### KMS21110 Glass Door Lock

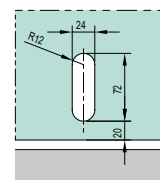
Old Code BS205



Glass Door Lock  
The glass door lock is installed in the middle of the door

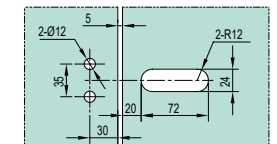
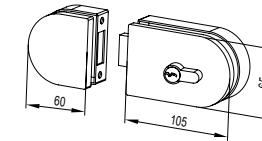


Glass Door Lock  
The glass door lock is installed at the bottom of the door



### KMS21120 Glass Door Lock

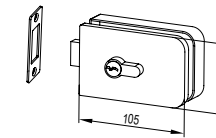
Old Code BS206



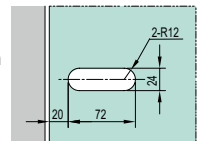
Subsidiary Lock Master Lock

### KMS21130 Glass Door Lock

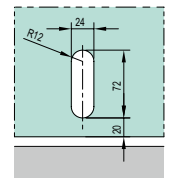
Old Code BS305



Glass Door Lock  
The glass door lock is installed in the middle of the door

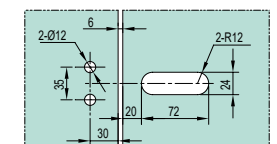
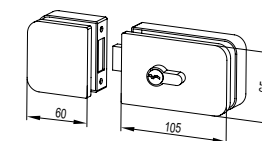


Glass Door Lock  
The glass door lock is installed at the bottom of the door



### KMS21140 Glass Door Lock

Old Code BS306



Subsidiary Lock Master Lock

## Glass Door Lock Series

### Functional Characteristic

- Suitable for sliding glass door;
- Locking and opening by keys both inside and outside;
- The subsidiary lock has a guiding function, no need to install the door bottom guide;
- Suitable for single or double glass door

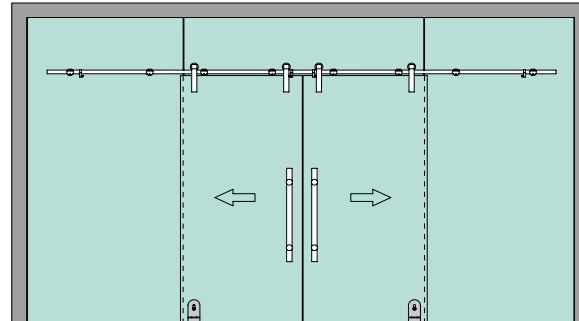
### Technical Parameters

Glass Thickness: 10~15mm

### Main Material and Surface Finish

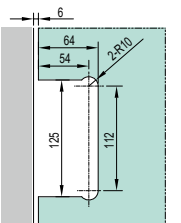
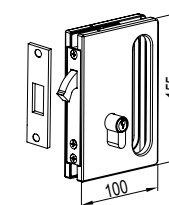
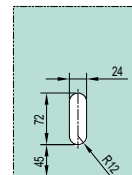
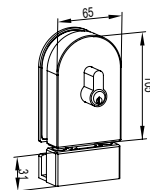
Main Material: Decorative cover is made of the S.S 304  
Surface Finish: Satin / Mirror

### Installation Diagram



### KMS12210 Glass Door Lock

Old Code BS201

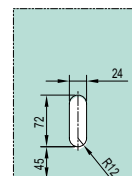
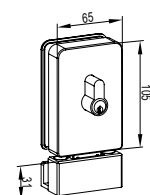


### KMS21030 Glass Door Lock

Old Code YMS31

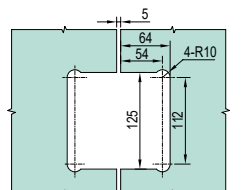
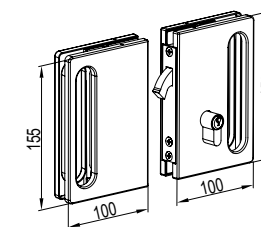
### KMS12220 Glass Door Lock

Old Code BS301



### KMS21040 Glass Door Lock

Old Code YMS32



## Glass Door Lock Series

### Functional Characteristic

- Suitable for the sliding glass door;
- Opening and locking by the rotary knob inside and by key outside
- Glass door lock as a concealed handle;
- Suitable for single or double glass door

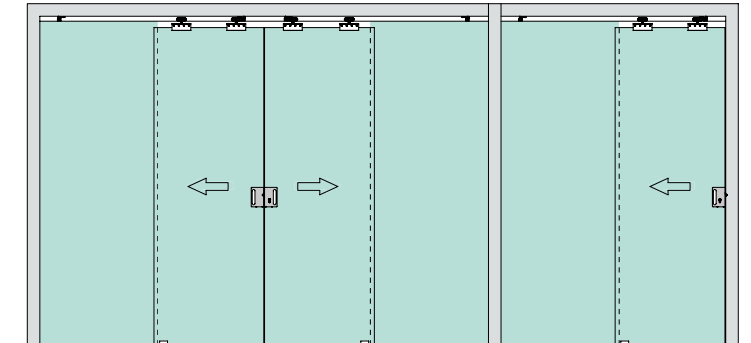
### Technical Parameters

Glass Thickness: 10~12mm

### Main Material and Surface Finish

Main Material: The inner core is made of the high strength aluminum alloy  
Decorative cover is made of the SS304  
Surface Finish: Satin / Mirror

### Installation Diagram



## Glass Door Lock Series

### Functional Characteristic

- Suitable for swing glass door;
- Locking and opening by keys both inside and outside;
- Suitable for single or double glass door
- For the double door with the center door lock, glass door latch is needed.

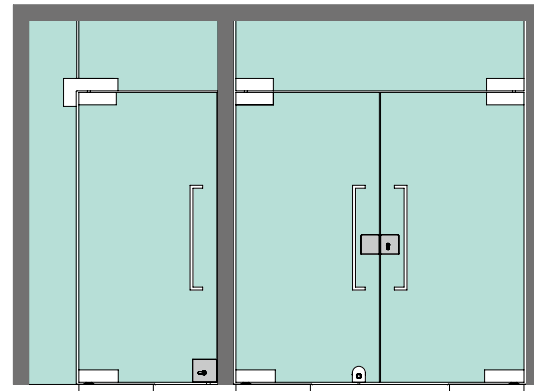
### Technical Parameters

Glass Thickness: 10~12mm

### Main Material and Surface Finish

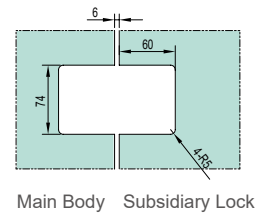
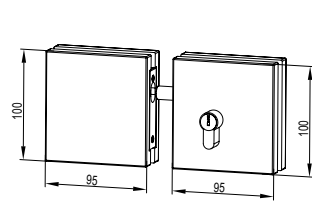
- Main Material: Decorative cover is made of the S.S 304
- Surface Finish: Satin / Mirror

### Installation Diagram



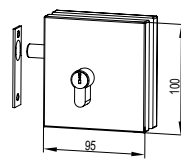
### KMS21210 Glass Door Lock

Old Code BS39

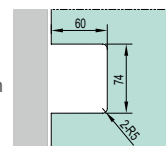


### KMS21220 Glass Door Lock

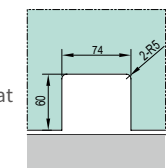
Old Code BS39D



Glass Door Lock  
The glass door lock is installed in the middle of the door



Glass Door Lock  
The glass door lock is installed at the bottom of the door



## Glass Door Lock Series

### Functional Characteristic

- Suitable for swing glass door;
- Indoor and outdoor use key lock, open
- With passage lock function, turn the handle to unlock
- The handle is combined with the door lock function, no need to configure the handle
- Suitable for single or double sash glass doors
- For double sash doors with intermediate locks installed, glass door latches must be installed

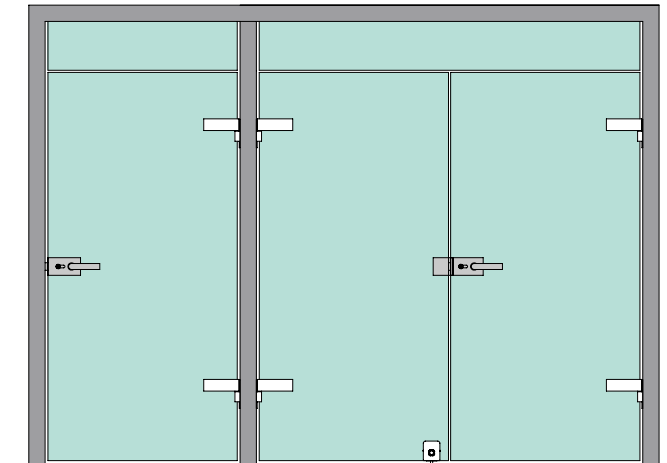
### Technical Parameters

Glass Thickness: 10~12mm

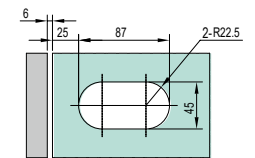
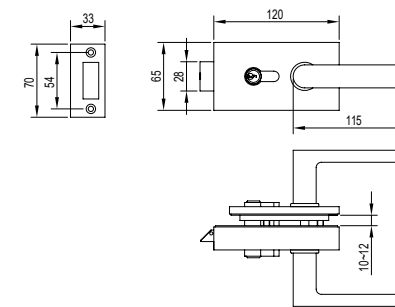
### Main Material and Surface Finish

- Main material: Decoration cover plate and handle are made of S.S. 304
- Surface Finish: Satin

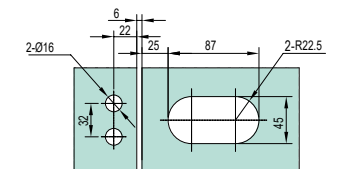
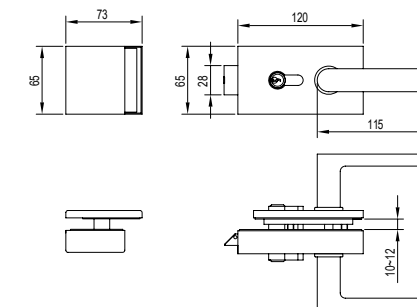
### Installation Diagram



### KMS31611 Glass Door Lock



### KMS31621 Glass Door Lock



# Glass Door Lock Series

### Functional Characteristic

Suitable for swing glass door  
 Opened and closed: Indoor using knobs; outdoor using key  
 Fixed handle and door lock integrated design, no need for additional handle  
 Suitable for single or double glass door  
 For the double door with the center door lock, glass door latch is needed

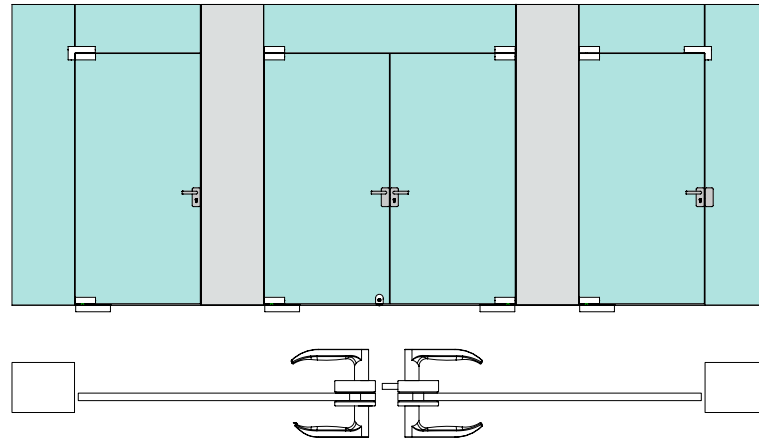
### Technical Parameters

Glass Thickness 10~15mm

### Main Material and Surface Finish

Main material: Decoration cover plate and handle are made of S.S. 304  
 Surface Finish: Satin

### Installation Diagram



**KMS1303L** Glass Door Lock



**KMS1303R** Glass Door Lock



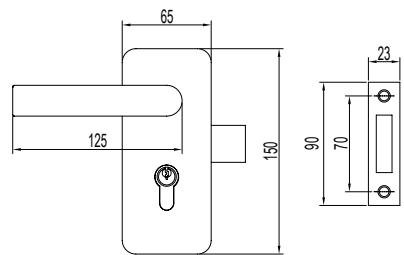
**KMS1304L** Glass Door Lock



**KMS1304R** Glass Door Lock



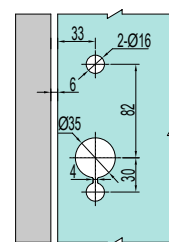
### product drawing



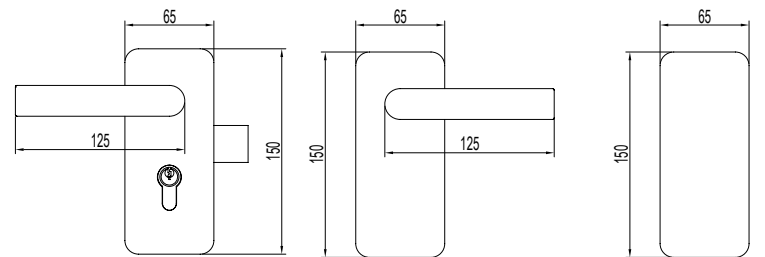
Main Body

Lock Catch

### glass hole opening



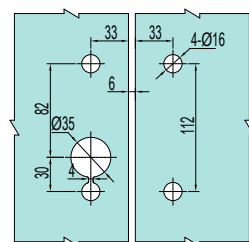
Subsidiary Lock



Main Body

Subsidiary Lock

Subsidiary Lock



Main Body

Subsidiary Lock

**KMS1306L** Glass Door Lock



**KMS1306R** Glass Door Lock





## Glass Door Lock Series

### Functional Characteristic

- Suitable for swing glass door
- KMS41110/KMS41120 Opened and closed:Indoor using knobs;outdoor using key
- KMS41310/KMS41320 cannot be opened indoors, but it can be locked and opened with a key outdoors
- Glass does not need to drill a hole
- Suitable for single or double glass door
- For the double door with the center door lock, glass door latch is needed

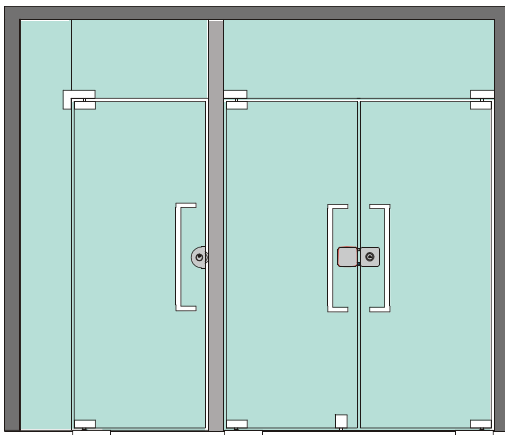
### Technical Parameters

Glass Thickness: KMS41110/KMS41120	10~12mm
KMS41310/KMS41320	10~12mm、15mm

### Main Material and Surface Finish

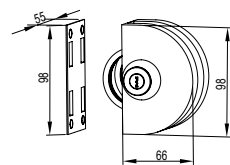
- Main Material: Decorative cover is made of the S.S 304
- Surface Finish: Satin / Mirror

### Installation Diagram



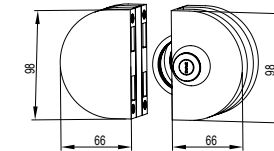
### KMS41110 Glass Door Lock

Old Code BS71



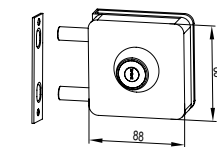
### KMS41120 Glass Door Lock

Old Code BS72



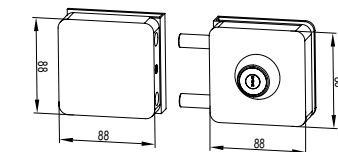
### KMS41310 Glass Door Lock

Old Code BS73/BS73A



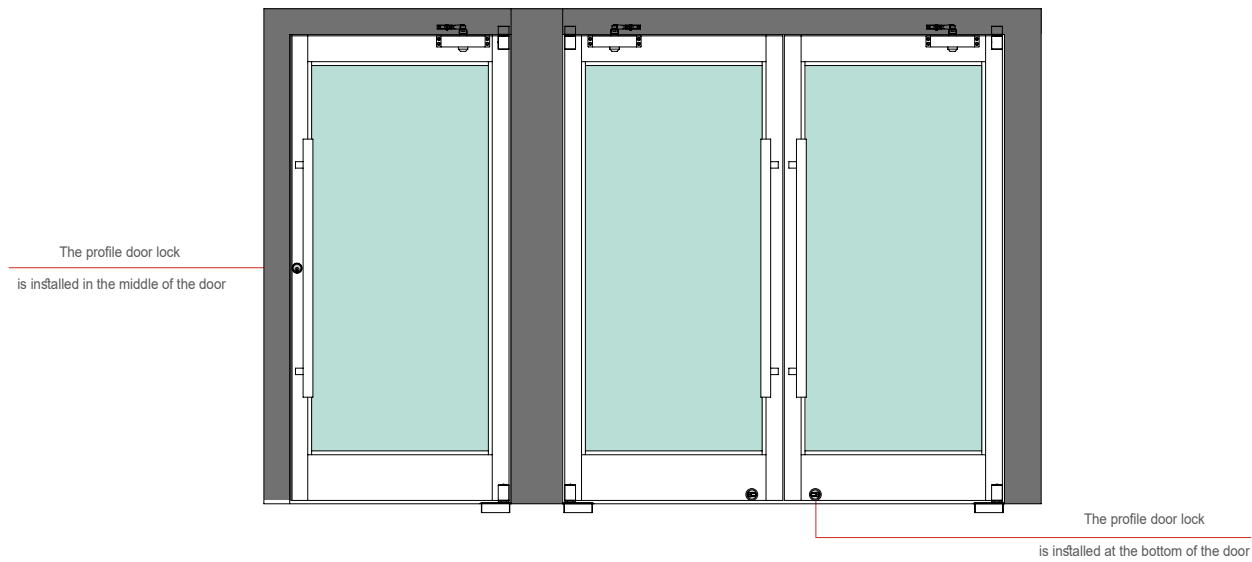
### KMS41320 Glass Door Lock

Old Code BS74/74A

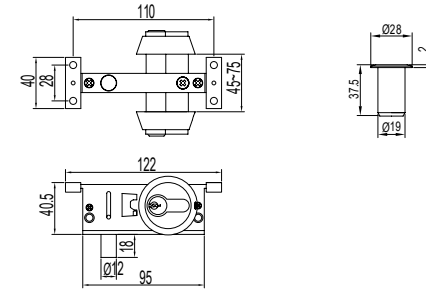


# Profile Door Lock Series

## Installation Diagram



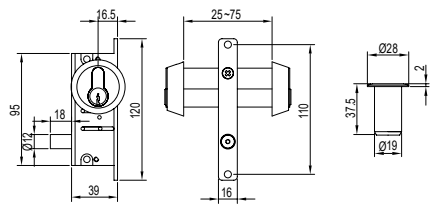
## KMS61210 Insulated Profile Door Lock



### Technical Parameters

Applicable door sash thickness is 45~75mm  
 Special for heat insulation profiles  
 Main Material: Decoration cover plate:S.S. 304;Lock body is made of zinc alloy  
 Surface treatment is satin + nickel plating  
 When ordering, the door thickness should be provided  
 Lock Form: Double Lock  
 Dust-proof design  
 Installed at the bottom of the door sash

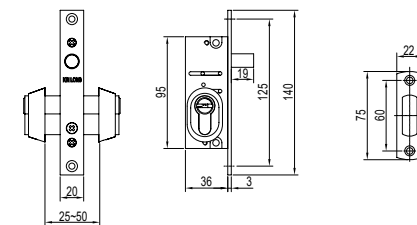
## KMS51230 Profile Door Lock



### Technical Parameters

Applicable door thickness is 25~75mm  
 Main material : lock head cover 304 stainless steel, main body zinc alloy  
 Surface treatment is satin + nickel plating  
 When ordering, the door thickness should be provided  
 Convenient to install and the drilling hole is circular;  
 The lock head is double lock;  
 The tube is designed for dustproof  
 Install at the bottom of the door

## KMS51260 Profile Door Lock Old Code XS31

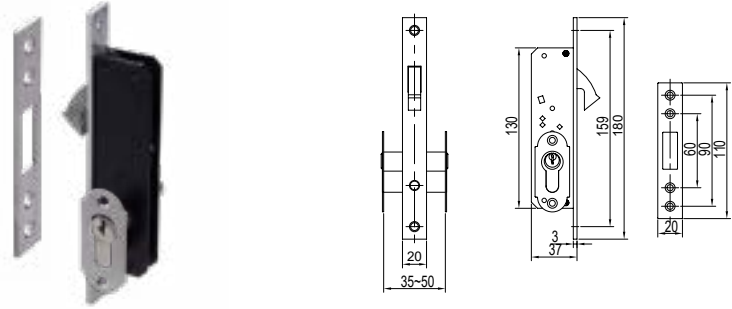


### Technical Parameters

Applicable door thickness is 25~50mm  
 Only changing the cylinder when the door thickness is over 50mm;  
 When ordering, the door thickness should be provided  
 The lock head is double lock  
 Install in the middle of the door

## Sliding door lock Series

**KMS61010** Sliding door lock



### Technical Parameters

Applicable door sash thickness 35~50mm  
 Main material : lock head cover 304 stainless steel, main body is high quality carbon steel  
 Surface treatment is satin + baking paint (black)  
 Lock form is double lock  
 Suitable for wooden sliding doors  
 Installed in the middle of the door sash

**KMS61050** Sliding door lock



### Technical Parameters

Applicable door sash thickness 38~50mm  
 The main material is zinc alloy  
 Surface treatment is sprayed black, nickel brushed, green bronze  
 Opened and closed:Indoor using thumb turn  
 outdoor using coin slot for emergency opening  
 Install in the middle of the door sash  
 Applicable door type wooden sliding door

**KMS61040** Sliding door lock

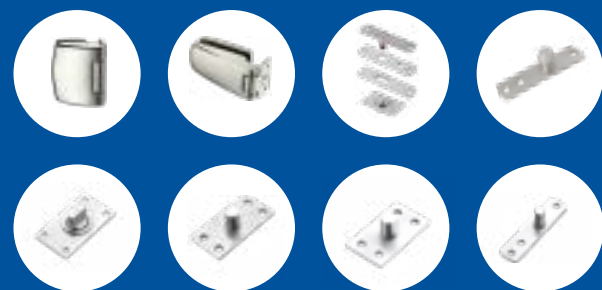


### Technical Parameters

Applicable door sash thickness 38~50mm  
 The main material is zinc alloy  
 Surface treatment is sprayed black, nickel brushed, green bronze  
 Opened and closed:Indoor using knob  
 outdoor using key  
 Install in the middle of the door sash  
 Applicable door type wooden sliding door

# 05

Door Hinge



## Glass Door Hinge Series

### Functional Characteristic

- It's suitable for casement glass door
- The door sash is opened in one direction, no positioning function
- Can be used to open the door left and right, without distinguishing the left and right doors
- Can be fixed with frame profiles, walls and metal frames

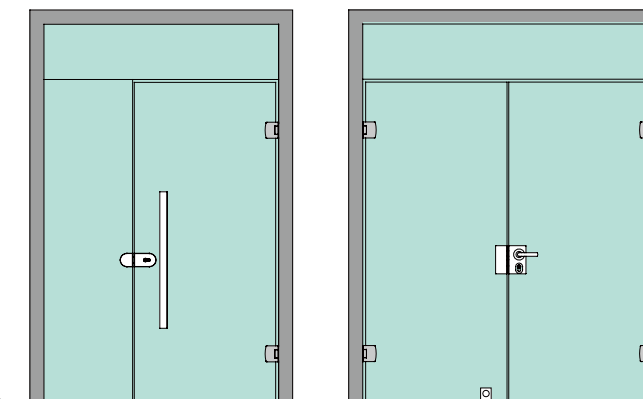
### Technical Parameters

- Maximum Bearing: 80Kg
- Glass Thickness: 10~15mm
- Door sash specifications: door height  $\leq$  2000mm, door width  $\leq$  800mm, with 2 glass door hinges
- 2000<door height  $\leq$  2400mm/800<door width  $\leq$  1000mm), with 3 glass door hinges

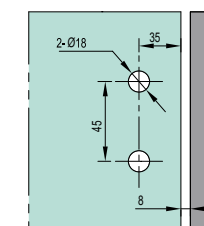
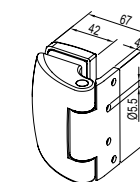
### Main Material and Surface Finish

- Main Material: body of 304 stainless steel
- Surface Treatment: Mirror / Satin

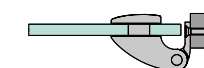
### Installation Diagram



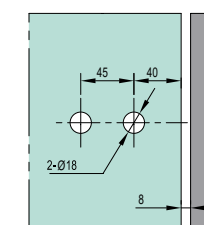
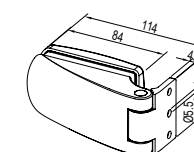
### KHY1210 Glass Door Hinge Old Code JL01



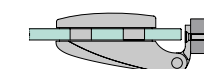
The door opening angle is 0°~ 120°



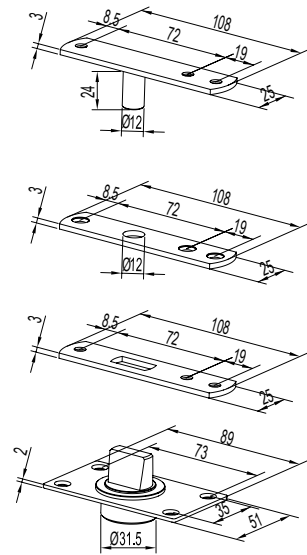
### KHY12210 Glass Door Hinge Old Code JL04



The door opening angle is 0°~ 120°



## KHY54310 Pivot Hinge



### Functional Characteristic

Suitable for side hung door  
 Suitable for side hung profile door metal door, framed door  
 No positioning function, doors opening angle from 0 to 360 degree

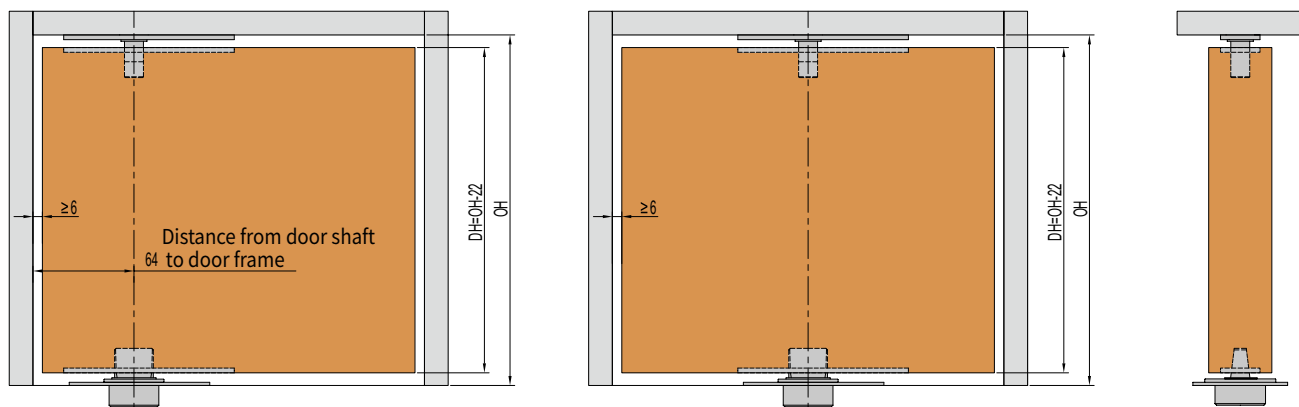
### Technical Parameters

Maximum Bearing: 100Kg  
 Max door sash thickness: 62mm

### Main Material and Surface Finish

Main Material: 304 stainless steel  
 Surface Finish: satin

### Installation Diagram



## Pivot Hinge Series

### Functional Characteristic

Suitable for side hung door  
 Suitable for side hung profile door metal door, framed door, frameless glass door  
 No locating function

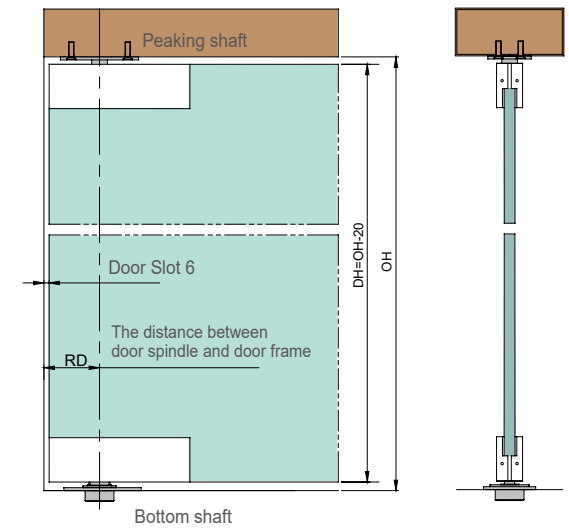
### Technical Parameters

Maximum Bearing: KHY53500、KHY53511、KHY53520 150Kg  
 KHY53512 200Kg

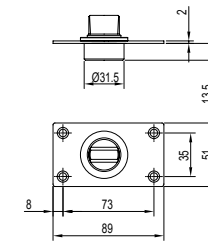
### Main Material and Surface Finish

Main Material: Panel is made of S.S 304  
 Surface Finish: satin

### Installation Diagram

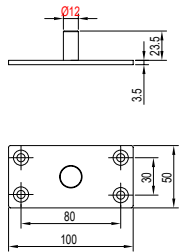


### KHY53500 Bottom shaft



Cooperate with center pivoted arm DY05 and bottom patch  
 Spindle angle is 14° by default

### KHY53511 Peaking shaft

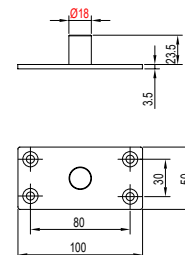


Note: cooperate with pivot bottom seat DX03/DX05/BDP70202 the maximum thickness of door sash is 68mm

### KHY53512 Peaking shaft



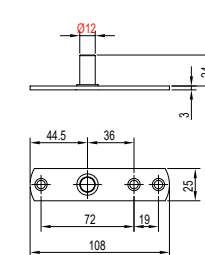
Note: cooperate with pivot bottom seat DX04/DX07/BDP40102 and upper patch KMJ11720(Φ18)/KMJ21520(Φ18)/KMJ21720(Φ18); The maximum thickness of door sash is 68mm



### KHY53520 Peaking shaft



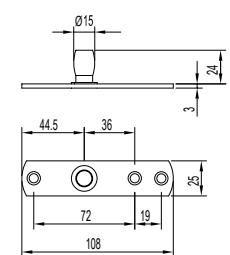
Note: cooperate with pivot bottom seat DX03/DX05/BDP70202 The maximum thickness of door sash is 62mm



### KHY53520(Φ15) Peaking shaft



Note: Use with door patch KMJ1132D The maximum thickness of door sash is 62mm





# 06

## Auxiliary Accessories



## Glass Door Latch Series

### Functional Characteristic

Suitable for double sashes swing glass doors indoor using knobs to lock and open, but cannot be opened outdoors  
 For the double door with the center door lock, glass door latch is needed.  
 KFJ11210/KFJ11250T/KFJ11260he glass needs drilling to ensure that the bolt is firm  
 KFJ11270/KFJ11280 installation position glass door sash without opening

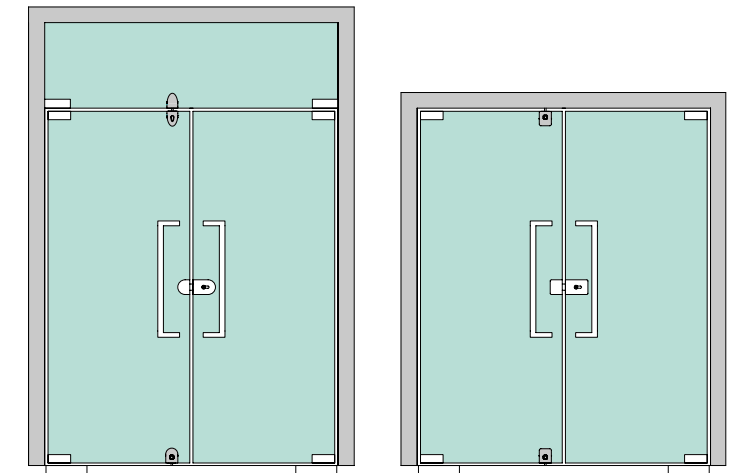
### Technical Parameters

Applicable door sash thickness  
 KFJ11210/KFJ11220/KFJ11250/KFJ11260 10-15mm  
 KFJ11270/KFJ11280 10-12mm、15mm

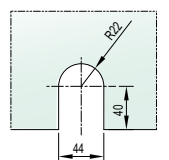
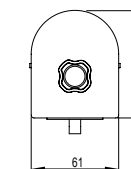
### Main Material and Surface Finish

Main Material: Body Aluminum alloy, decorative cover 304 stainless  
 Surface Finish: Satin/Mirror

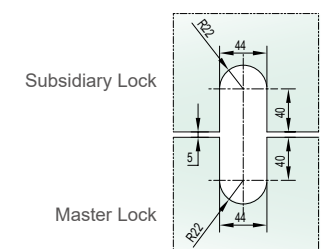
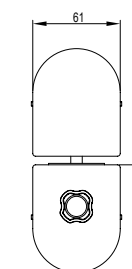
### Installation Diagram



### KFJ11210 Glass Door Latch Previous Code BCX141

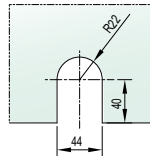
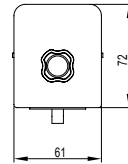


### KFJ11220 Glass Door Latch Previous Code BCX142

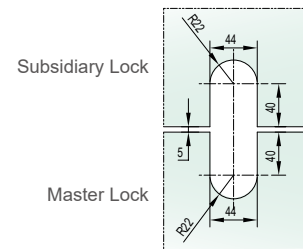
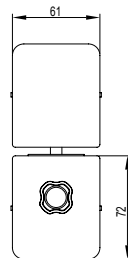


## Glass Door Latch Series

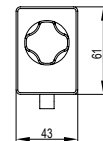
**KFJ11250** Glass Door Latch  
Previous Code BCX161



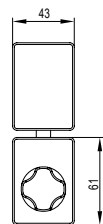
**KFJ11260** Glass Door Latch  
Previous Code BCX162



**KFJ11270** Glass Door Latch  
Previous Code BCX201 / BCX201A



**KFJ11280** Glass Door Latch  
Previous Code BCX202 / BCX202A

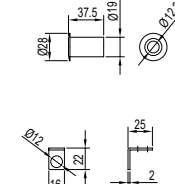
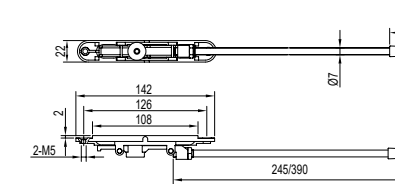


## Framed Door Latch Series

**KFJ51220** Framed Door Latch  
Previous Code CX01/CX01A



Main Body    Dustproof Tube    Support Component



Note: Standard latch length is 245 or 390mm, no non-standard order

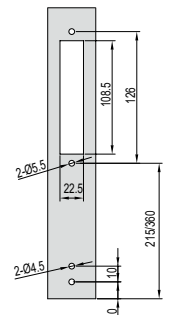
### Functional Characteristic

Suitable for profile doors  
Concealed in the inner cavity of the profile after installation  
The support component has guide function and stable operation.  
Dust-proof cylinder can prevent dust and other debris from entering, effectively ensuring smooth operation of the bolt;  
For the double door with the inter mediate door lock, glass door latch is needed.

### Main Material and Surface Finish

Main Material: Main body is zinc alloy, latch bar is carbon steel  
Surface Finish: Main body is the silver gray stoving varnish, latch bar is color-plated zinc

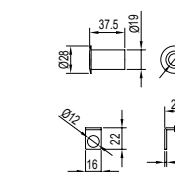
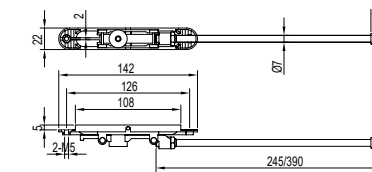
glass hole opening



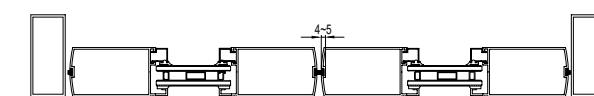
**KFJ5122A** Framed Door Latch



Main Body    Dustproof Tube    Support Component



Applicable profile



Note: Standard latch length is 245 or 390mm, no non-standard order

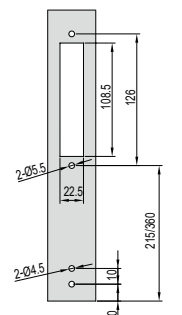
### Functional Characteristic

Profile door, special for the structure with a seal strip in the middle of the profile mullion.  
Concealed in the inner cavity of the profile after installation  
The support component has guide function and stable operation.  
Dust-proof cylinder can prevent dust and other debris from entering, effectively ensuring smooth operation of the bolt;  
For the double door with the inter mediate door lock, glass door latch is needed.

### Main Material and Surface Finish

Main Material: Main body is zinc alloy, latch bar is carbon steel  
Surface Finish: Main body is the silver gray stoving varnish, latch bar is color-plated zinc

glass hole opening



## Anti-dust Strip at Door Bottom Edge Series

### KFJ51230 Anti-dust Strip at Door Bottom Edge

#### Functional Characteristic

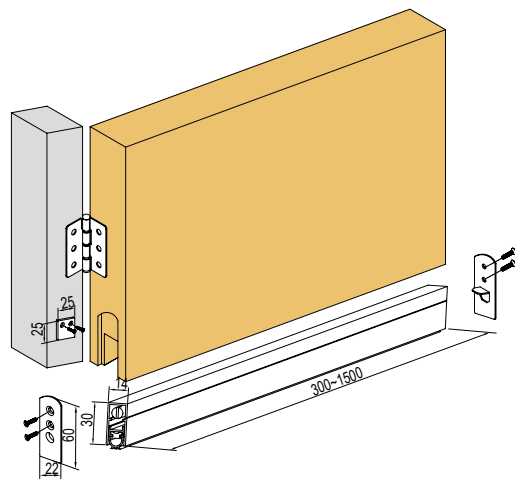
Suitable for wooden doors  
 Concealed in the inner cavity at the bottom of the door sash after installation  
 No distinction between left and right doors  
 There is a cylindrical trigger at one end of the product, which can be closed with the door sash, which will automatically lower the sealing strip to achieve the dust blocking function.  
 With sound insulation, moisture-proof, wind-proof, smoke-proof, anti-mosquito functions  
 The standard shipping length is 800mm, 915mm, 1000mm, and can be cut by 100mm. Customized according to the actual door width

#### Technical Parameters

Applicable door sash thickness  $\geq 25\text{mm}$   
 Applicable door sash width 300~1500mm  
 Sealing Sink Range 3~15mm

#### Main Material and Surface Finish

Main Material: Main body is zinc alloy, Anti-dust strip is silica gel  
 Surface Finish: Main body is silver white oxidation;  
 Anti-dust strip is gray



### KFJ51250 Anti-dust Strip at Door Bottom Edge

#### Functional Characteristic

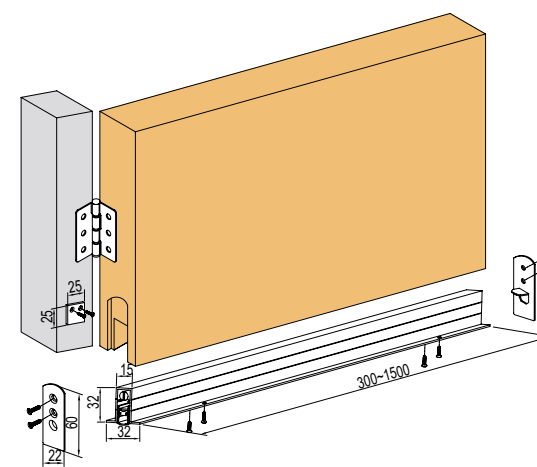
Suitable for wooden doors  
 Concealed in the inner cavity at the bottom of the door sash after installation  
 No distinction between left and right doors  
 With sound insulation, moisture-proof, wind-proof, smoke-proof, anti-mosquito functions  
 There is a cylindrical trigger at one end of the product, which can be closed with the door sash, which will automatically lower the sealing strip to achieve the dust blocking function.  
 The standard shipping length is 800mm, 915mm, 1000mm, and can be cut by 100mm. Customized according to the actual door width

#### Technical Parameters

Applicable door sash thickness  $\geq 35\text{mm}$   
 Applicable door sash width 300~1500mm  
 Sealing Sink Range 3~15mm

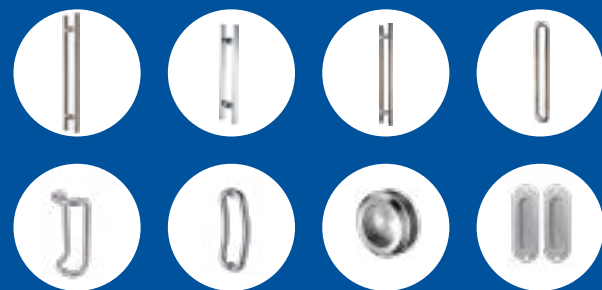
#### Main Material and Surface Finish

Main Material: Main body is zinc alloy, Anti-dust strip is silica gel  
 Surface Finish: Main body is silver white oxidation;  
 Anti-dust strip is gray



# 07

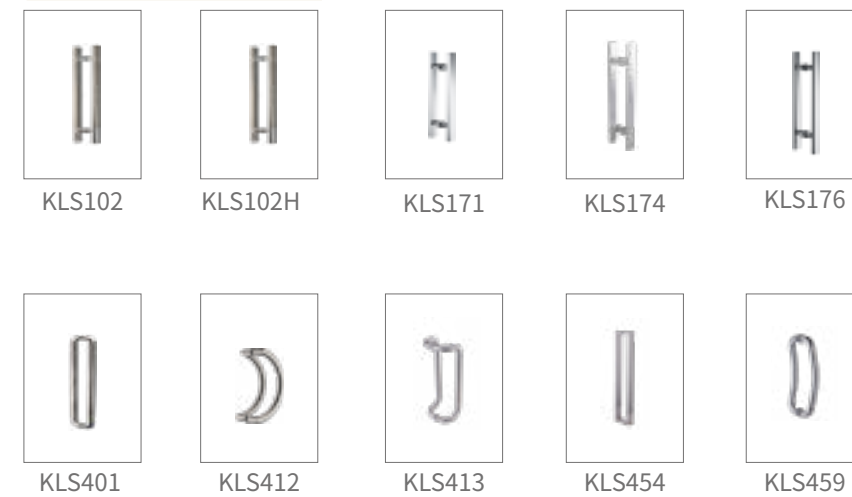
## Door Handle



### Stainless steel handle(Big)



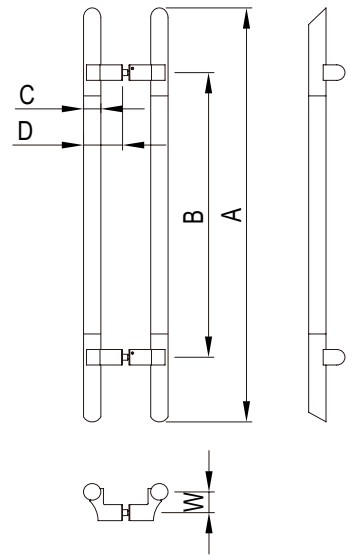
### Stainless steel handle(Small)



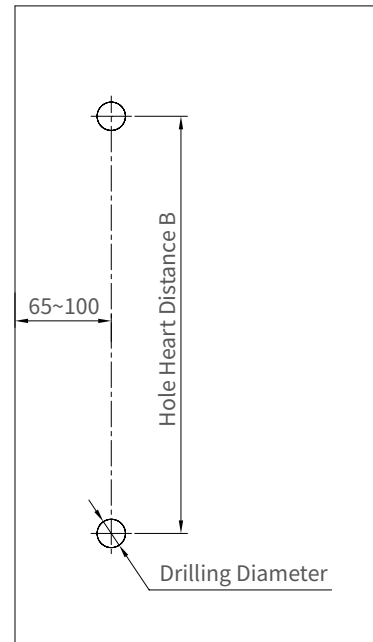
### Sliding door handle



**Luxury handle**



**Product hole drawing**



- Note:**
1. The trepanning diameter is relied on the specific handle code.
  2. When the door width is more than 1000mm, it needs to adjust the distance (65-100) between handle center and door frame.

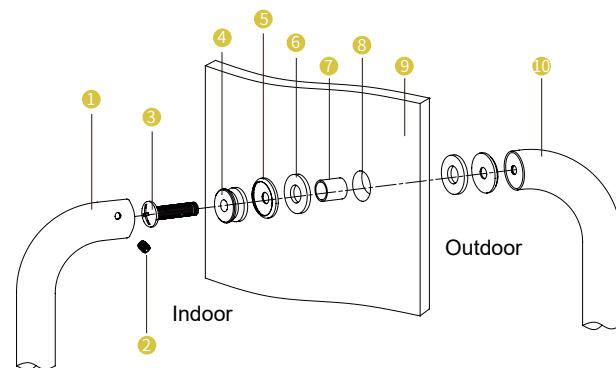
**Product Dimension Definition**

- A Total length of handle
- B Center hole Distance
- C Handle Pipe Dimensions
- D Distance between the outside handle and the glass surface
- W Distance between the support centre of handle and the hole centre

**Surface Finish**

Type	Standard Color
Electroplating	Red bronze
	Green bronze
	Champaign Gold
	Rose Gold
	Black Titanium
Spraying	Black (AD3000-4383236)
	Coffee (SW9331)
	Dark Gray (SW2035)

**Installation Diagram**



- 1 Interior Handle
- 2 Set Screw
- 3 Screw
- 4 Lock Nut
- 5 Decorative covers
- 6 Spacer
- 7 Gasket
- 8 Installing Hole
- 9 Door Sash
- 10 Exterior Handle

Note: The inner handle is installed indoors and fixed with set screws.

- Instruction:**
1. When installing the handle, prevent the non-metal parts from knocking, scratching and other similar conditions those are difficult to repair;
  2. Handles with electroplating, spraying, solid wood, ABS, PVC are not suitable for using directly under sunlight;
  3. Solid wood, ABS, PVC handles only supply for standard products; Due to the effect of photography and printing, there are differences
  4. between physical objects and pictures. Please refer to physical objects.

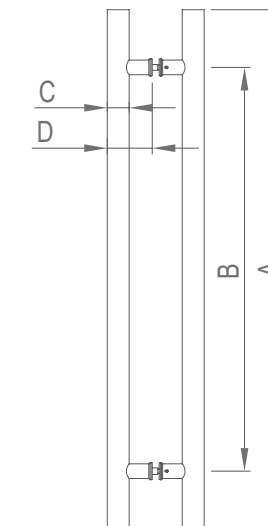


**KLS101** Handle

**Technical Parameters**

- Main Material: S.S 304
- Surface Finish: Satin
- Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  $\Phi 10\text{mm}$ (wooden door, framed door),
- Applicable Door Type: Wooden door, glass door, framed door
- Applicable Door Thickness: 10~50mm  
[When the door thickness is more than 50mm, it needs to change the coupling screw.]

**Dimensions**



**Specification**

Code	KLS10108	KLS10110	KLS10112	KLS10115	KLS10118	KLS10120
A(mm)	800	1000	1200	1500	1800	2000
B(mm)	600	800	1000	1300	1500	1700
C(mm)	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$
D(mm)	80	80	80	80	80	80



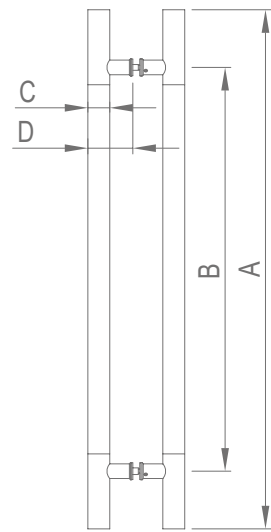


## KLS102 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirro + Satin  
 [Ends are mirror + middle is satin]  
 Drilling Size:  $\Phi 14$ mm(Glass door),  
 $\Phi 10$ mm(wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS10206	KLS10208	KLS10210	KLS10212	KLS10215	KLS10218	KLS10220	KLS10222	KLS10224	KLS10226	KLS10228	KLS10230
A(mm)	600	800	1000	1200	1500	1800	2000	2200	2400	2600	2800	3000
B(mm)	400	600	800	1000	1300	1600	1600	1800	1800	1800	2000	2200
C(mm)	$\Phi 32*0.8$	$\Phi 32*0.8$	$\Phi 38*0.8$	$\Phi 38*0.8$	$\Phi 38*0.8$	$\Phi 38*0.8$	$\Phi 38*0.8$	$\Phi 38*0.8$	$\Phi 38*0.8$	$\Phi 38*0.8$	$\Phi 38*1.5$	$\Phi 38*1.5$
D(mm)	72	72	80	80	80	80	80	80	80	80	80	80



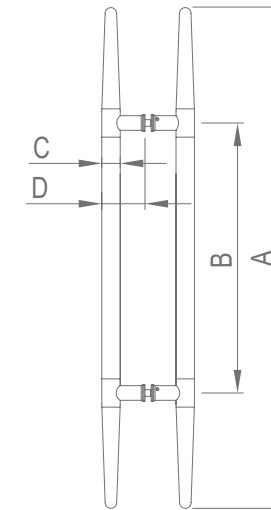
## KLS167 Handle

Previous Code LS301

### Technical Parameters

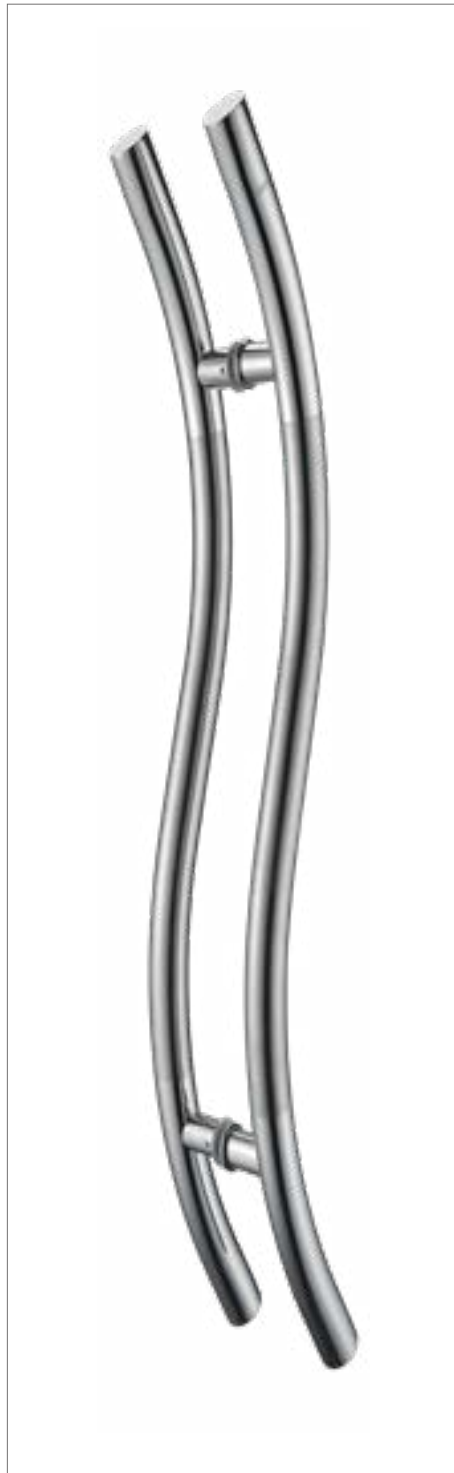
Main Material: S.S 304  
 Surface Finish: Mirro + Satin  
 [Supporting area is mirror + other area is satin]  
 Drilling Size:  $\Phi 14$ mm(Glass door),  
 $\Phi 10$ mm(wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS16708	KLS16710	KLS16712
A(mm)	800	1000	1200
B(mm)	400	500	600
C(mm)	$\Phi 32*1.2$	$\Phi 38*1.2$	$\Phi 38*1.2$
D(mm)	72	80	80

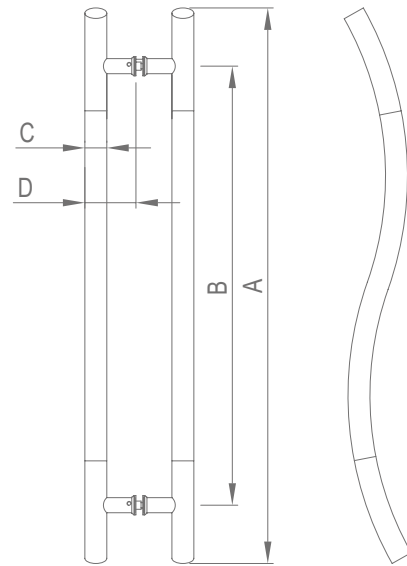


## KLS169 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirro + Satin  
 [Ends are mirror + middle is satin]  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS16908
A(mm)	800
B(mm)	500
C(mm)	$\Phi 38 \times 1.2$
D(mm)	80

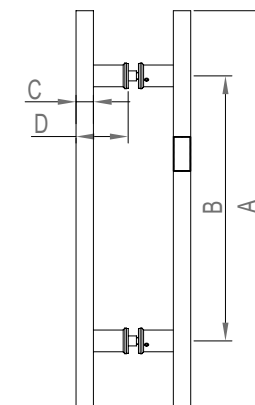


## KLS171 Handle

### Technical Parameters

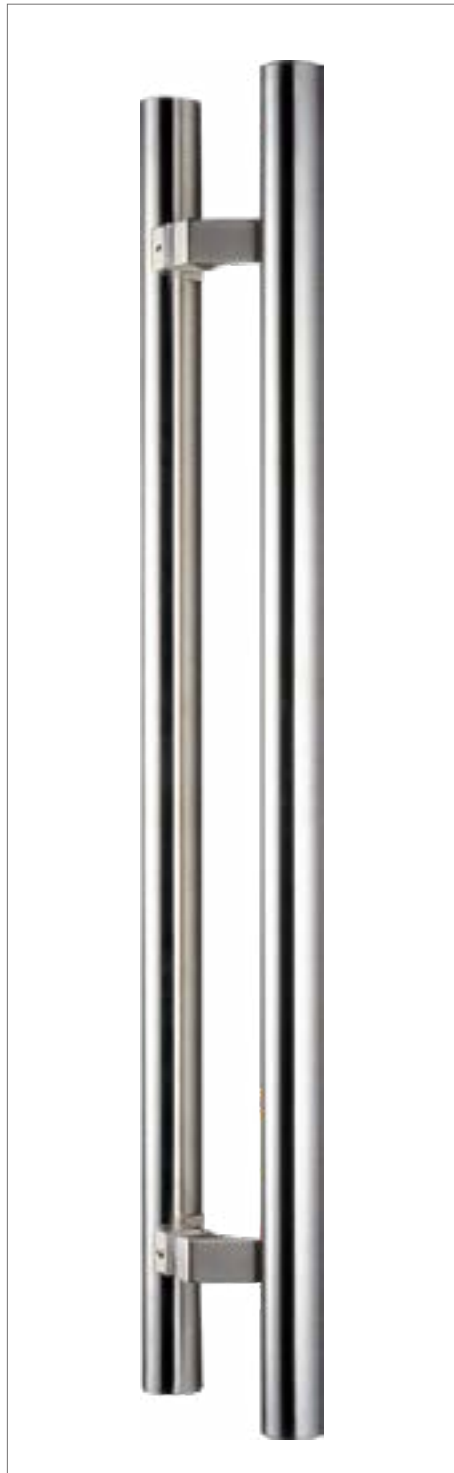
Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS17108	KLS17110	KLS17112	KLS17115
A(mm)	800	1000	1200	1500
B(mm)	600	800	1000	1300
C(mm)	$20 \times 40 \times 0.8$	$20 \times 40 \times 0.8$	$20 \times 40 \times 0.8$	$20 \times 40 \times 0.8$
D(mm)	60	60	60	60



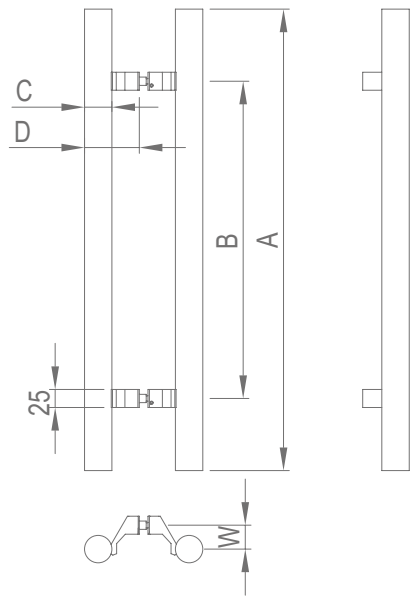
## KLS201 Handle

Previous Code LS201

### Technical Parameters

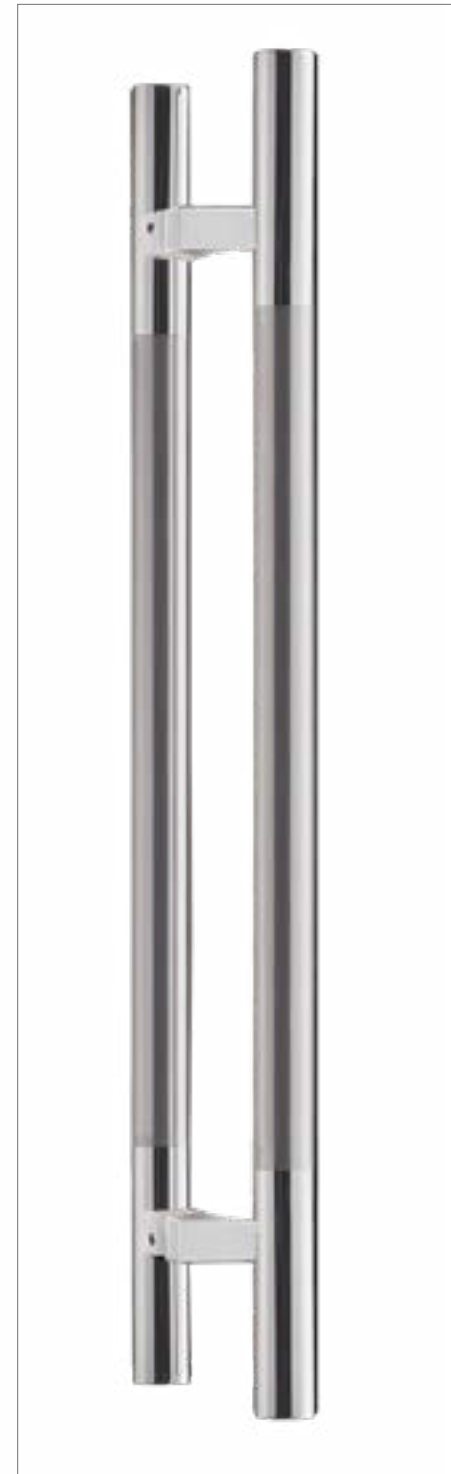
Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]  
 Supporter is the precision casting S.S 304

### Dimensions



### Specification

Code	KLS20108	KLS20110	KLS20112	KLS20115	KLS20118	KLS20120
A(mm)	800	1000	1200	1500	1800	2000
B(mm)	600	800	1000	1300	1500	1700
C(mm)	$\Phi 32 \times 1.2$	$\Phi 38 \times 1.2$	$\Phi 38 \times 1.2$	$\Phi 38 \times 1.2$	$\Phi 38 \times 1.2$	$\Phi 38 \times 1.2$
D(mm)	70	76	76	76	76	76
W(mm)	33	33	33	33	33	33

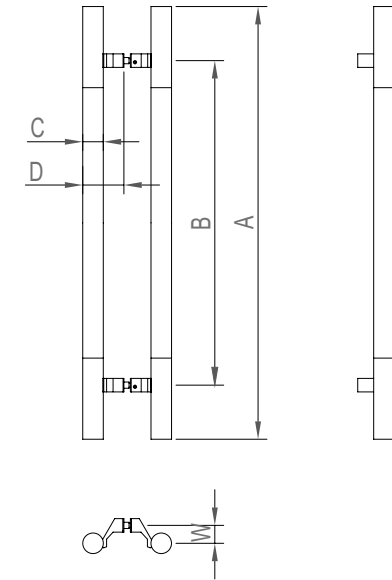


## KLS203 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirror + Satin  
 [Ends are mirror + middle is satin]  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]  
 The support body is made of 304 stainless steel plate

### Dimensions



### Specification

Code	KLS20310	KLS20312	KLS20315	KLS20318	KLS20320	KLS20322	KLS20324	KLS20326
A(mm)	1000	1200	1500	1800	2000	2200	2400	2600
B(mm)	800	1000	1300	1600	1600	1800	1800	1800
C(mm)	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$
D(mm)	76	76	76	76	76	76	76	76
W(mm)	33	33	33	33	33	33	33	33

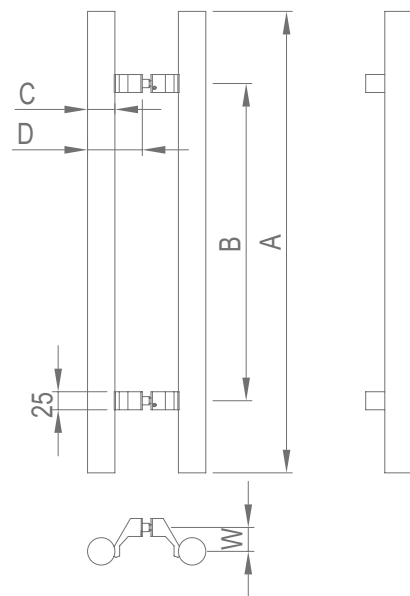


## KLS204 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 14$ mm(Glass door),  
 $\Phi 10$ mm(wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]  
 The support body is made of 304 stainless steel plate

### Dimensions



### Specification

Code	KLS20408	KLS20410	KLS20412	KLS20415	KLS20418	KLS20420
A(mm)	800	1000	1200	1500	1800	2000
B(mm)	600	800	1000	1300	1500	1700
C(mm)	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$
D(mm)	76	76	76	76	76	76
W(mm)	33	33	33	33	33	33

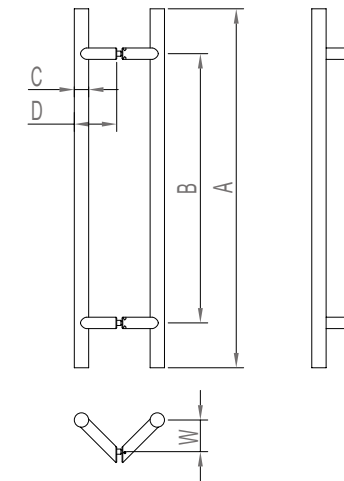


## KLS205 Handle

### Technical Parameters

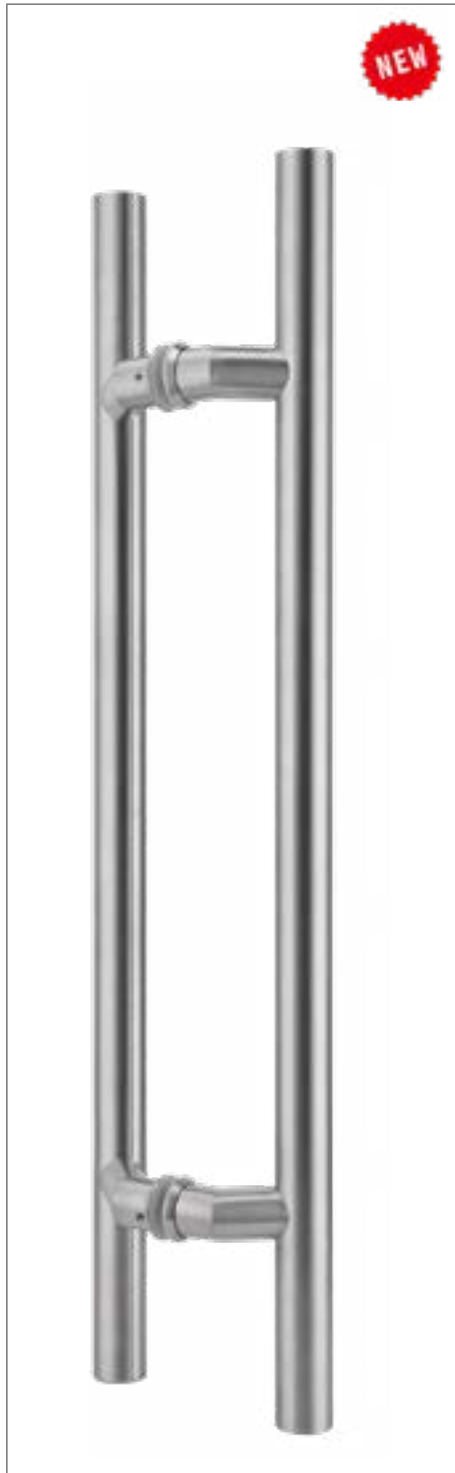
Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 14$ mm(Glass door),  
 $\Phi 10$ mm(wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS20506	KLS20508	KLS20510
A(mm)	600	800	1000
B(mm)	400	600	800
C(mm)	$\Phi 32 \times 1.2$	$\Phi 32 \times 1.2$	$\Phi 32 \times 1.2$
D(mm)	94.5	94.5	94.5
W(mm)	70.5	70.5	70.5

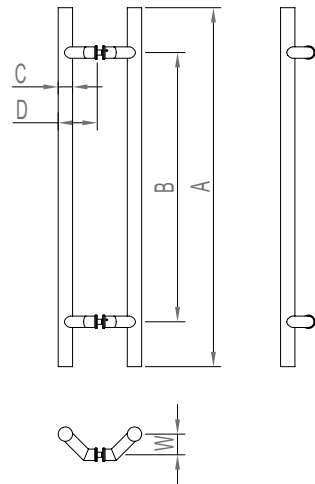


## KLS206 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi$ 14mm(Glass door),  
 $\Phi$ 10mm(wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10-50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS20606	KLS20608	KLS20610
A(mm)	600	800	1000
B(mm)	400	600	800
C(mm)	$\Phi$ 32*1.2	$\Phi$ 32*1.2	$\Phi$ 32*1.2
D(mm)	87	87	87
W(mm)	46	46	46

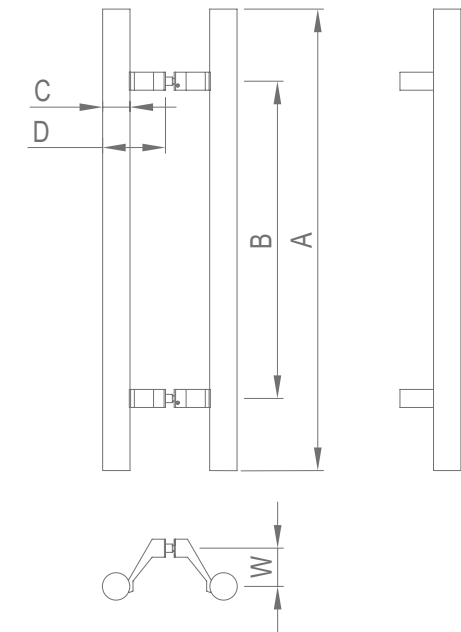


## KLS207 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi$ 14mm(Glass door),  
 $\Phi$ 10mm(wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10-50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]  
 Supporter is the press forming S.S 304

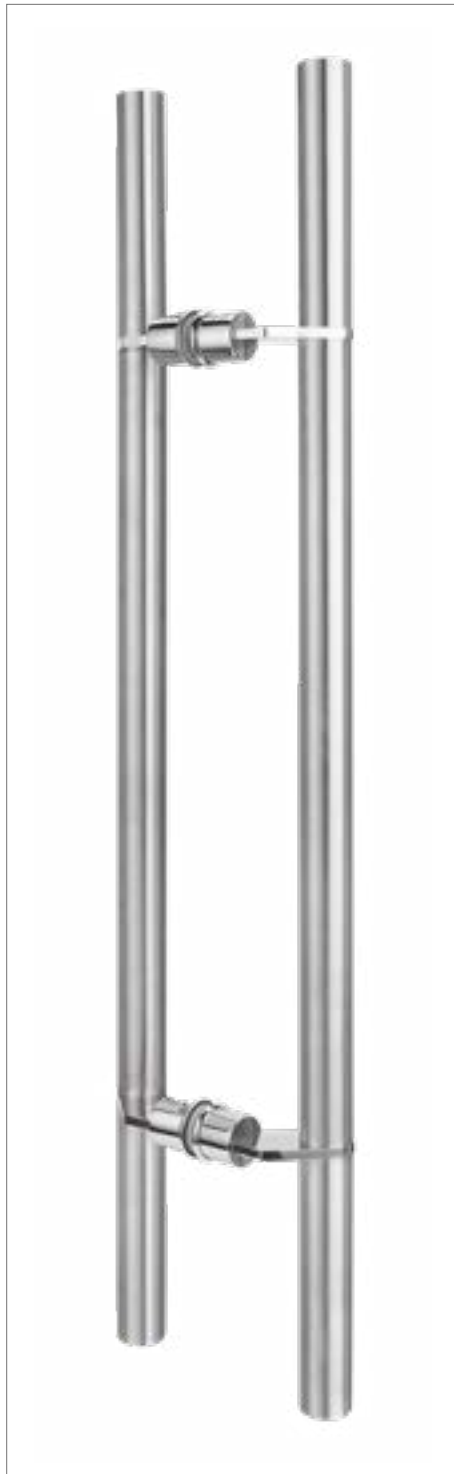
### Dimensions



### Specification

Code	KLS20710	KLS20715	KLS20720	KLS20724	KLS20726
A(mm)	1000	1500	2000	2400	2600
B(mm)	800	1300	1700	2200	2400
C(mm)	$\Phi$ 38*1.2	$\Phi$ 38*1.2	$\Phi$ 38*1.2	$\Phi$ 51*1.2	$\Phi$ 51*1.2
D(mm)	88	88	88	100	100
W(mm)	53	53	53	53	53



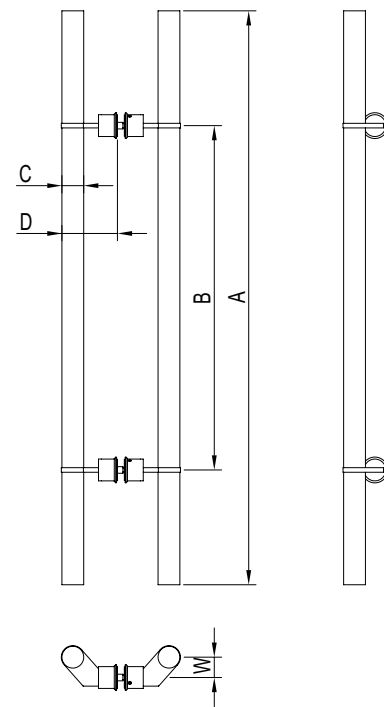


## KLS208 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirror (supporter) / Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS20810	KLS20812	KLS20815	KLS20818
A(mm)	1000	1200	1500	1800
B(mm)	600	800	1000	1200
C(mm)	$\Phi 38^*0.8$	$\Phi 38^*0.8$	$\Phi 38^*0.8$	$\Phi 38^*0.8$
D(mm)	97	97	97	97
W(mm)	35.5	35.5	35.5	35.5

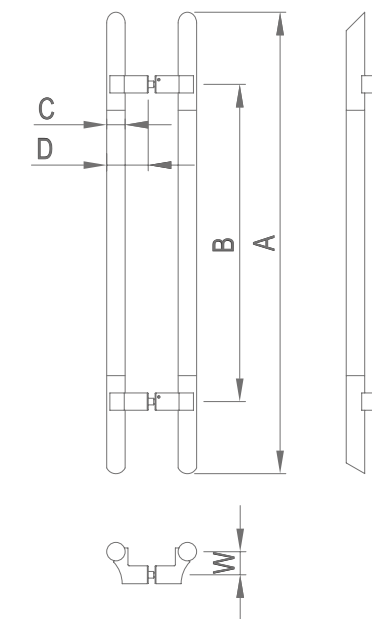


## KLS233 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirro + Satin  
 [Ends are mirror + middle is satin]  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]  
 Supporter is the precision casting S.S 304

### Dimensions



### Specification

Code	KLS23308	KLS23310	KLS23312	KLS23315	KLS23318	KLS23320
A(mm)	800	1000	1200	1500	1800	2000
B(mm)	600	800	1000	1300	1500	1700
C(mm)	$\Phi 32^*0.8$	$\Phi 32^*0.8$	$\Phi 38^*0.8$	$\Phi 38^*0.8$	$\Phi 38^*0.8$	$\Phi 38^*0.8$
D(mm)	67	67	74	74	74	74
W(mm)	40	40	40	40	40	40

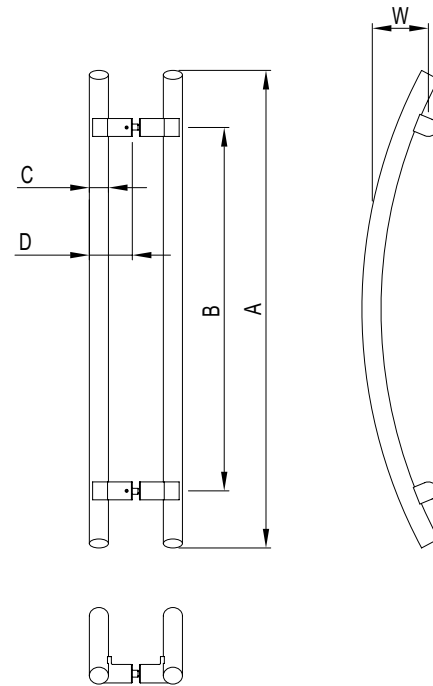


## KLS235 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]  
 Supporter is the precision casting S.S 304

### Dimensions



### Specification

Code	KLS23508
A(mm)	800
B(mm)	600
C(mm)	$\Phi 32 \times 1.2$
D(mm)	72
W(mm)	84

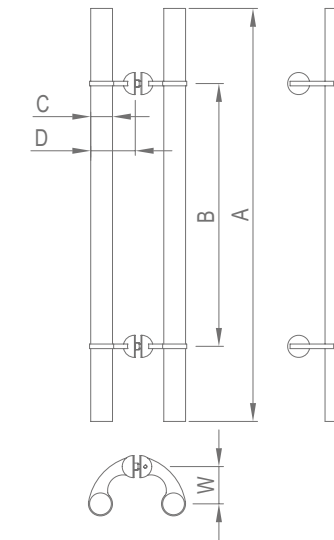


## KLS236 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirror (supporter) / Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]  
 Supporter is the precision casting S.S 304

### Dimensions



### Specification

Code	KLS23612	KLS23615	KLS23618
A(mm)	1200	1500	1800
B(mm)	800	1100	1400
C(mm)	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$	$\Phi 38 \times 0.8$
D(mm)	78	78	78
W(mm)	65	65	65

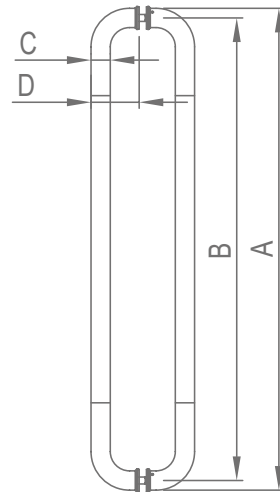


## KLS401 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirror + Satin  
 [Ends are mirror + middle is satin]  
 Drilling Size:  $\Phi 14$ mm(Glass door),  
 $\Phi 10$ mm(wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



Door Handle

### Specification

Code	KLS40108	KLS40110	KLS40112	KLS40115	KLS40118	KLS40120
A(mm)	800	1000	1200	1500	1800	2000
B(mm)	768	962	1162	1462	1762	1962
C(mm)	$\Phi 32*0.8$	$\Phi 38*0.8$	$\Phi 38*0.8$	$\Phi 38*0.8$	$\Phi 38*1.2$	$\Phi 38*1.2$
D(mm)	82	97	97	97	97	97

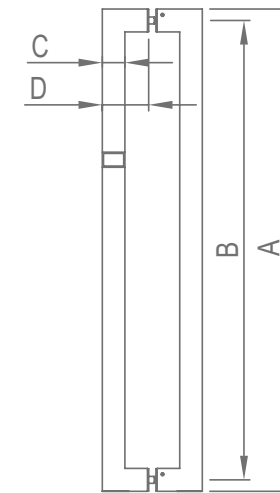


## KLS407 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 14$ mm(Glass door),  
 $\Phi 10$ mm(wooden door, framed door)  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

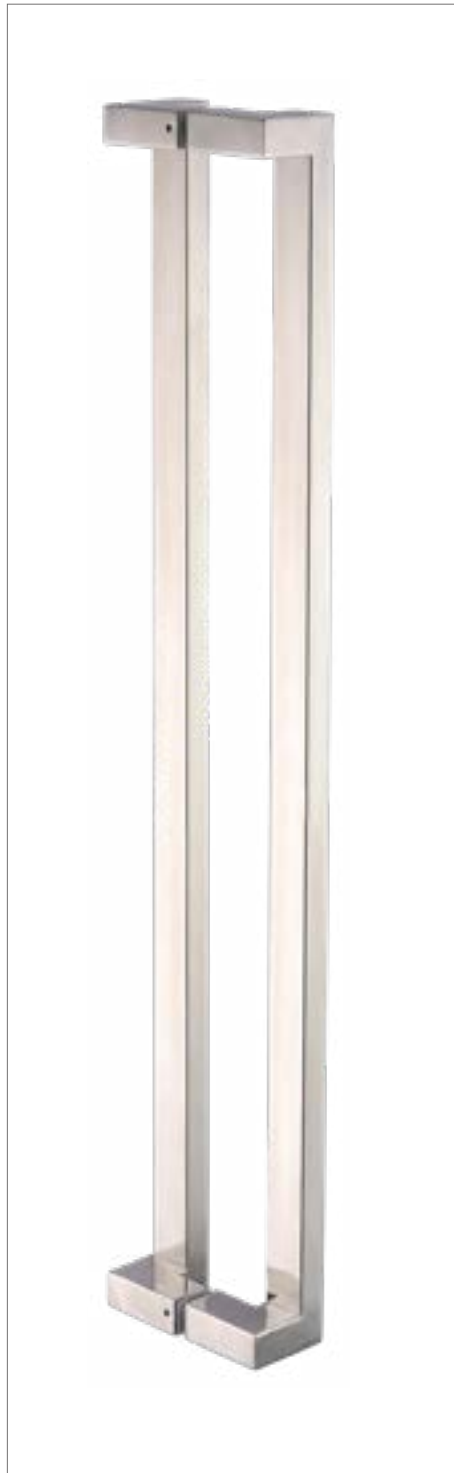
### Dimensions



Door Handle

### Specification

Code	KLS40706A	KLS40708	KLS40710	KLS40712	KLS40715	KLS40718	KLS40720	KLS40722	KLS40724	KLS40726	KLS40728	KLS40730
A(mm)	600	800	1000	1200	1500	1800	2000	2200	2400	2600	2800	3000
B(mm)	562	762	962	1162	1462	1762	1950	2150	2350	2550	2750	2950
C(mm)	$38*25*0.8$	$38*25*0.8$	$38*25*0.8$	$38*25*0.8$	$38*25*0.8$	$38*25*1.2$	$50*25*1.2$	$50*25*1.2$	$50*25*1.5$	$50*25*1.5$	$50*25*2.0$	$50*25*2.0$
D(mm)	78	78	78	78	78	78	90	90	90	90	90	90

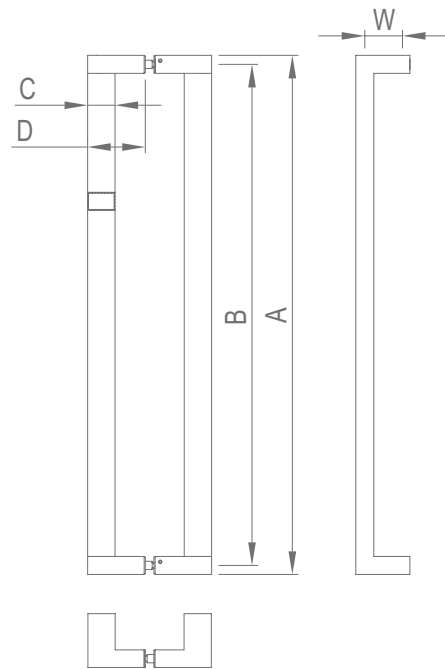


## KLS409 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi$ 14mm(Glass door),  
 $\Phi$ 10mm(wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS40908	KLS40910	KLS40912	KLS40915	KLS40918	KLS40920	KLS40922	KLS40924	KLS40926	KLS40928	KLS40930
A(mm)	800	1000	1200	1500	1800	2000	2200	2400	2600	2800	3000
B(mm)	775	975	1175	1475	1775	1975	2175	2375	2575	2775	2975
C(mm)	38*25*0.8	38*25*0.8	38*25*0.8	38*25*0.8	38*25*1.2	38*25*1.2	50*25*1.2	50*25*1.5	50*25*1.5	50*25*2.0	50*25*2.0
D(mm)	78	78	78	78	78	78	90	90	90	90	90
W(mm)	43.5	43.5	43.5	43.5	43.5	43.5	47.5	47.5	47.5	47.5	47.5

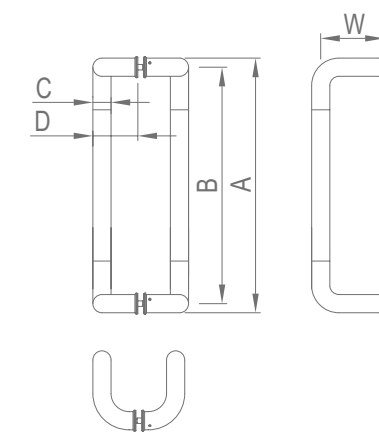


## KLS413 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirror+ Satin  
 [Ends are mirror + middle is satin]  
 Drilling Size:  $\Phi$ 14mm(Glass door),  
 $\Phi$ 10mm(wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS41308	KLS41310	KLS41312
A(mm)	800	1000	1200
B(mm)	762	962	1162
C(mm)	$\Phi$ 38*1.2	$\Phi$ 38*1.2	$\Phi$ 38*1.2
D(mm)	90	90	90
W(mm)	122	122	122

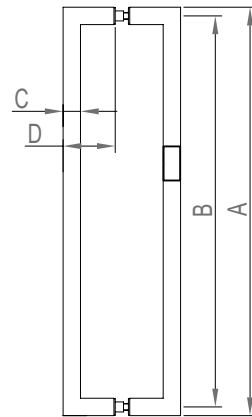


## KLS454 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 14$ mm(Glass door),  
 $\Phi 10$ mm(wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS45408	KLS45410	KLS45412	KLS45415
A(mm)	800	1000	1200	1500
B(mm)	780	980	1180	1480
C(mm)	20*40*0.8	20*40*0.8	20*40*0.8	20*40*0.8
D(mm)	60	60	60	60

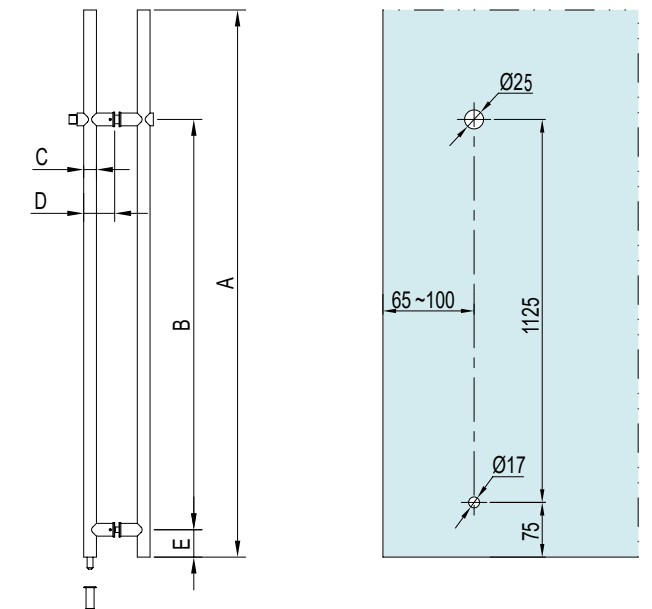


## KLS911 Handle with lock

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 25$ mm(upper end),  $\Phi 17$ mm(lower end)  
 Applicable Door Type: glass door  
 Applicable Door Thickness: 10~20mm  
 It uses the rotary knob to lock and open inside and uses key to lock and open outside.  
**When using it inside room, you should press the rotary knob at first before turning the rotary knob.**

### Dimensions



### Specification

Code	KLS91115
A(mm)	1500
B(mm)	1125
C(mm)	$\Phi 35 \times 1.0$
D(mm)	83
E(mm)	75



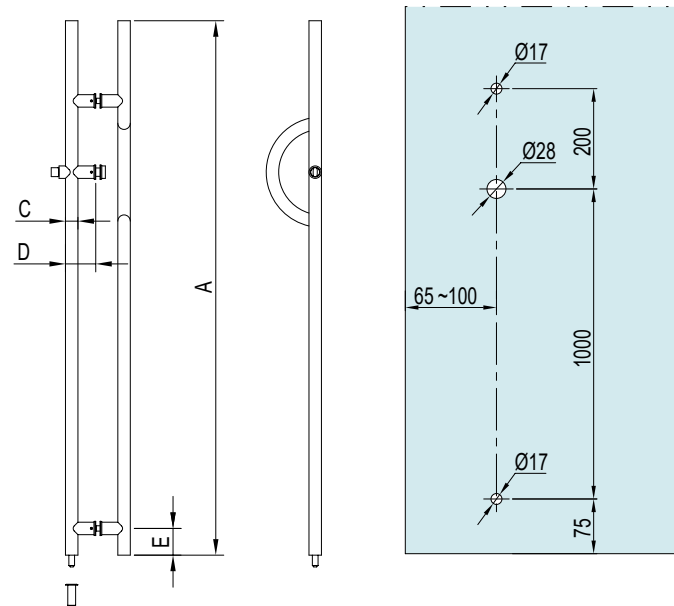


## KLS912L/R Handle with lock

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 17$ mm(upper end),  $\Phi 28$ mm(mid end),  $\Phi 17$ mm(lower end)  
 Applicable Door Type: glass door  
 Applicable Door Thickness: 10~12mm  
 It uses the rotary knob to lock and open inside and uses key to lock and open outside.  
 When using it inside room, you should press the rotary knob at first before turning the rotary knob.

### Dimensions



### Specification

Code	KLS91215L/R
A(mm)	1500
B(mm)	—
C(mm)	$\Phi 35 \times 1.0$
D(mm)	83
E(mm)	75

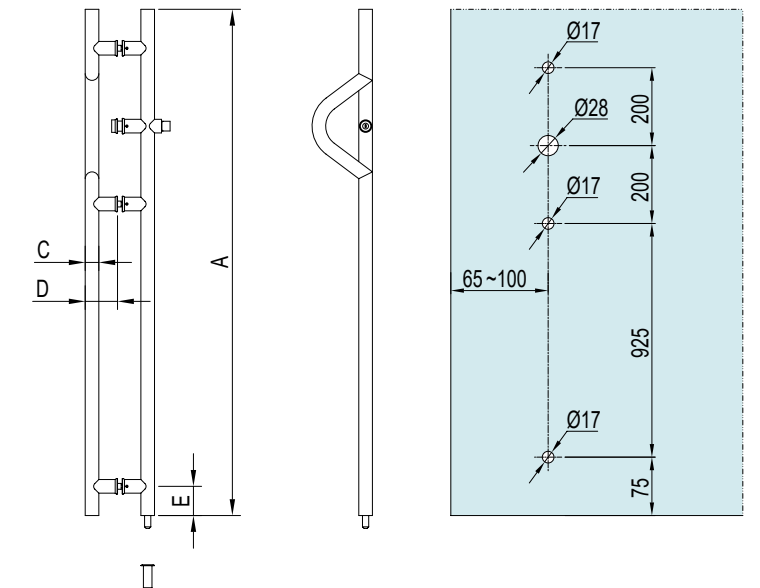


## KLS913L/R Handle with lock

### Technical Parameters

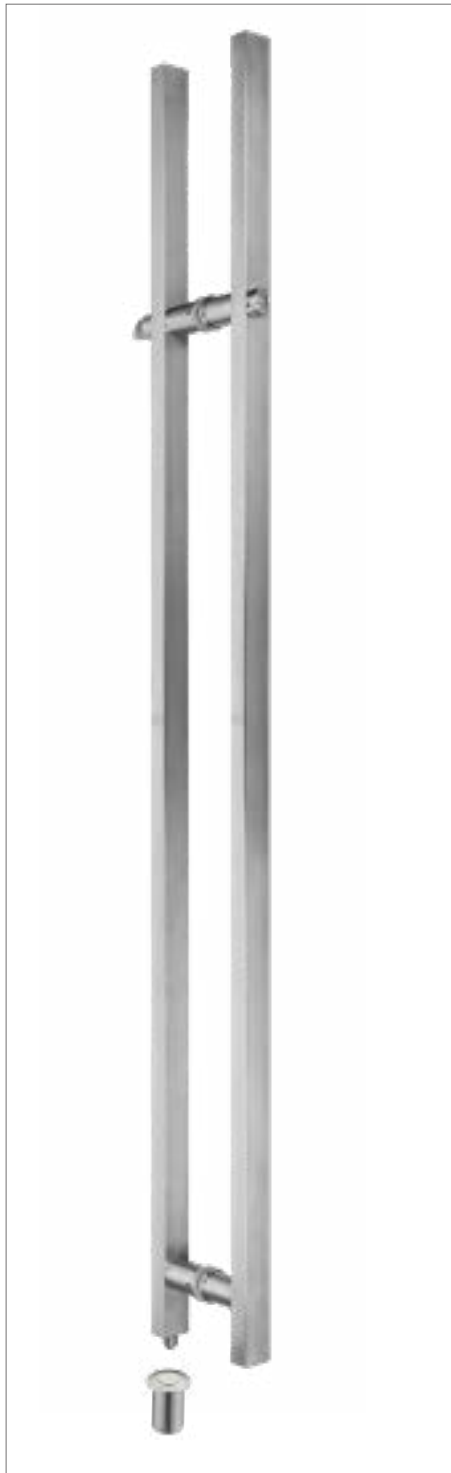
Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size: Refer to the glass opening diagram below  
 Applicable Door Type: glass door  
 Applicable Door Thickness: 10~12mm  
 It uses the rotary knob to lock and open inside and uses key to lock and open outside.  
 When using it inside room, you should press the rotary knob at first before turning the rotary knob.

### Dimensions



### Specification

Code	KLS91315L/R
A(mm)	1500
B(mm)	—
C(mm)	$\Phi 35 \times 1.0$
D(mm)	83
E(mm)	75

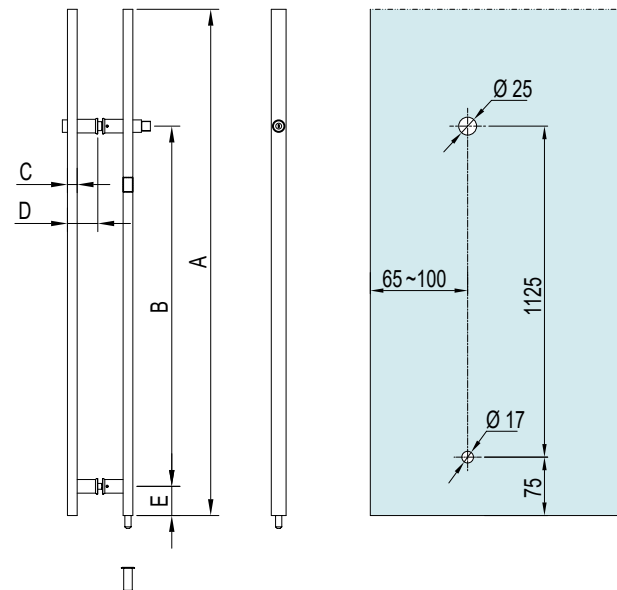


## KLS914 Handle with lock

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 25\text{mm}$ (upper end),  $\Phi 17\text{mm}$ (lower end)  
 Applicable Door Type: glass door  
 Applicable Door Thickness: 10~20mm  
 It uses the rotary knob to lock and open inside and uses key to lock and open outside.  
**When using it inside room, you should press the rotary knob at first before turning the rotary knob.**

### Dimensions



### Specification

Code	KLS91415
A(mm)	1500
B(mm)	1125
C(mm)	25*38*1.0
D(mm)	78
E(mm)	75

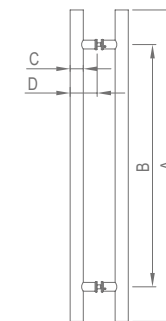


## KLS102 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirror / Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS10203	KLS10204	KLS10205
A(mm)	350	455	500
B(mm)	250	305	350
C(mm)	$\Phi 25 \times 0.8$	$\Phi 25 \times 0.8$	$\Phi 25 \times 0.8$
D(mm)	65	65	65

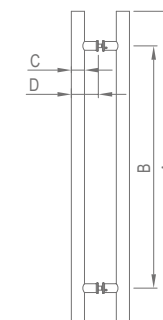


## KLS102H Handle

### Technical Parameters

Main Material: S.S 304.  
 Surface finish: Mirror / Satin  
 Drilling size:  $\Phi 14\text{mm}$  (Glass door)  
 $\Phi 10\text{mm}$  (Framed door, wooden door)  
 Applicable door type: Glass door, Framed door, wooden door and so on  
 Applicable door thickness: 10-50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS102H450	KLS102H600
A(mm)	450	600
B(mm)	300	450
C(mm)	$\Phi 25 \times 0.8$	$\Phi 25 \times 0.8$
D(mm)	65	65

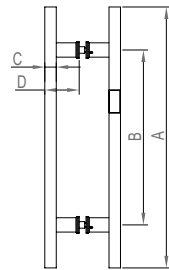


## KLS171 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirror / Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS17103	KLS17104	KLS17105	KLS17106
A(mm)	350	455	500	600
B(mm)	250	305	350	450
C(mm)	20*40*0.8	20*40*0.8	20*40*0.8	20*40*0.8
D(mm)	60	60	60	60

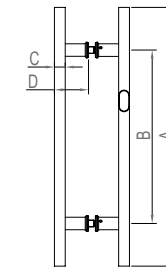


## KLS176 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirror / Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS17603	KLS17604	KLS17605	KLS17606
A(mm)	350	455	500	600
B(mm)	250	305	350	450
C(mm)	19*38*0.8	19*38*0.8	19*38*0.8	19*38*0.8
D(mm)	60	60	60	60

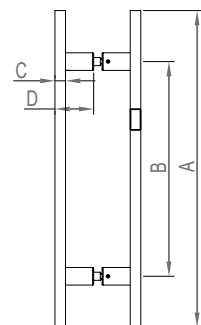


## KLS174 Handle

### Technical Parameters

Main Material: S.S 304.  
 Surface finish: Mirror / Satin  
 Drilling size:  $\Phi 14\text{mm}$  (Glass door)  
 $\Phi 10\text{mm}$  (Framed door, wooden door)  
 Applicable door type: Glass door, Framed door, wooden door and so on  
 Applicable door thickness: 10-50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS17403	KLS17404	KLS17405	KLS17406
A(mm)	350	455	500	600
B(mm)	250	305	350	450
C(mm)	15*30*0.8	15*30*0.8	15*30*0.8	15*30*0.8
D(mm)	55	55	55	55

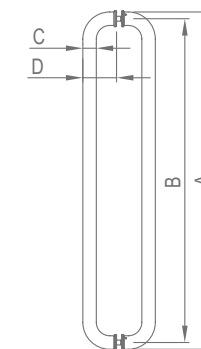


## KLS401 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirror / Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Specification



### Specification

Code	KLS40102	KLS40103	KLS40104	KLS40106
A(mm)	275	330	482	632
B(mm)	250	305	450	600
C(mm)	$\Phi 25*0.8$	$\Phi 25*0.8$	$\Phi 32*0.8$	$\Phi 32*0.8$
D(mm)	72	72	82	82

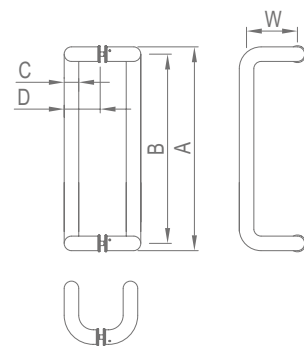


## KLS413 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirror / Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Specification



### Specification

Code	KLS41302	KLS41303	KLS41304	KLS41306
A(mm)	275	330	482	632
B(mm)	250	305	450	600
C(mm)	$\Phi 25 \times 0.8$	$\Phi 25 \times 0.8$	$\Phi 32 \times 0.8$	$\Phi 32 \times 0.8$
D(mm)	70	70	80	80
W(mm)	86	86	95	95



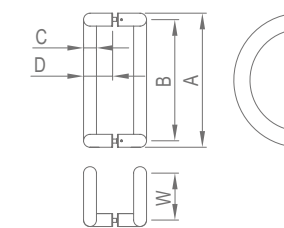
## KLS412 Handle

Previous Code LS908

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Dimensions



### Specification

Code	KLS41203
A(mm)	332
B(mm)	300
C(mm)	$\Phi 32 \times 1.2$
D(mm)	72
W(mm)	128

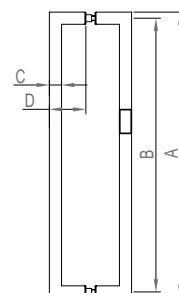


## KLS454 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirror / Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Specification



### Specification

Code	KLS45402	KLS45403	KLS45404	KLS45406
A(mm)	270	325	470	600
B(mm)	250	305	450	580
C(mm)	$20 \times 40 \times 0.8$	$20 \times 40 \times 0.8$	$20 \times 40 \times 0.8$	$20 \times 40 \times 0.8$
D(mm)	60	60	60	60

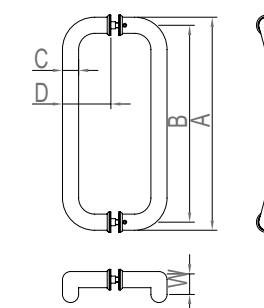


## KLS459 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Mirror / Satin  
 Drilling Size:  $\Phi 14\text{mm}$ (Glass door),  
 $\Phi 10\text{mm}$ (wooden door, framed door),  
 Applicable Door Type: Wooden door, glass door, framed door and so on  
 Applicable Door Thickness: 10~50mm  
 [When the door thickness is more than 50mm, it needs to change the coupling screw.]

### Specification



### Specification

Code	KLS45903
A(mm)	330
B(mm)	305
C(mm)	$\Phi 25 \times 0.8$
D(mm)	75
W(mm)	23

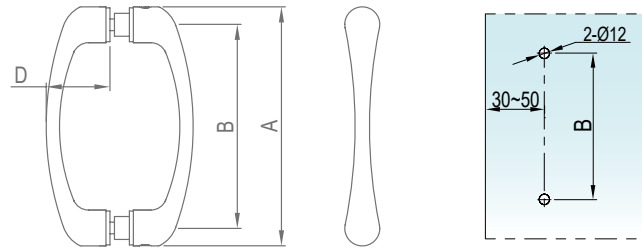


## KLS45001 Handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin / Mirror  
 Drilling Size:  $\Phi 12\text{mm}$   
 Applicable Door Type: Glass folding door, Glass sliding door  
 Applicable Door Thickness: 8~12mm

### Dimensions



### Specification

Code	KLS45001
A(mm)	125
B(mm)	105
C(mm)	—
D(mm)	30

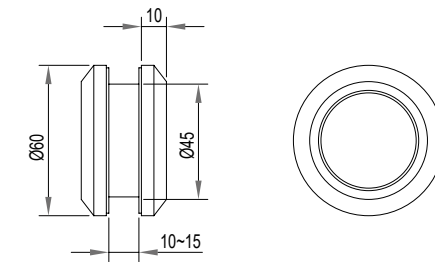


## KLS93104 Concealed handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 47\text{mm}$   
 Applicable Door Type: Glass sliding door  
 Applicable Door Thickness: 10~15mm

### Dimensions

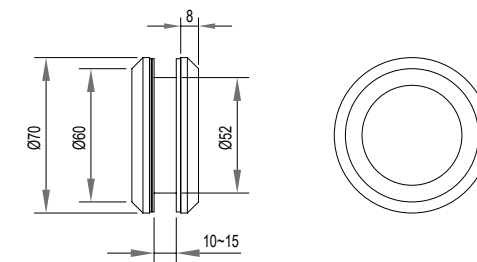


## KLS93105 Concealed handle

### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Drilling Size:  $\Phi 54\text{mm}$   
 Applicable Door Type: Glass sliding door  
 Applicable Door Thickness: 10~15mm

### Dimensions





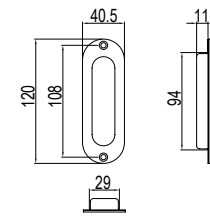


### KLS93505 Concealed handle

#### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Applicable Door Type: Wooden sliding door  
 Applicable minimum door thickness: 30mm  
 Slotting dimension: 94\*29\*11mm

#### Dimensions

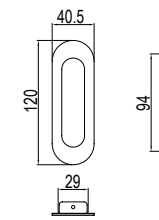


### KLS93504 Concealed handle

#### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Applicable Door Type: Wooden sliding door  
 Applicable minimum door thickness: 30mm  
 Slotting dimension: 94\*29\*11mm

#### Dimensions



Door Handle

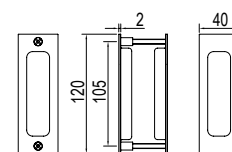


### KLS93522 Concealed handle

#### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Satin  
 Applicable Door Type: Wooden sliding door  
 Slotting dimension: 115\*30mm  
 Applicable Door Thickness: 30-50mm

#### Dimensions

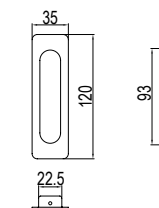


### KLS93509 Concealed handle

#### Technical Parameters

Main Material: S.S 304  
 Surface Finish: Electrophoresis black  
 Applicable Door Type: Wooden sliding door  
 Applicable minimum door thickness: 30mm  
 Slotting dimension: 94\*23\*11mm

#### Dimensions



Door Handle

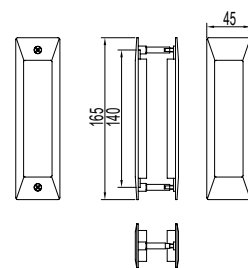


### KLS93525 Concealed handle

#### Technical Parameters

Main Material: Zinc alloy  
 Surface Finish: sprayed black, nickel brushed, green bronze  
 Applicable Door Type: Wooden sliding door  
 Applicable Door Thickness: 38~50mm  
 Slotting dimension: slot opening size 150\*35mm

#### Dimensions

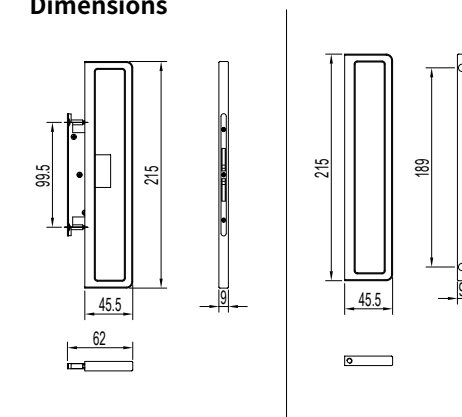


### KLS94404 sliding door handle lock

#### Technical Parameters

Main Material: Aluminum alloy  
 Surface Finish: sprayed black  
 Applicable Door Type: 16mm narrow frame sliding door  
 Locking type: Indoor side of handle, stir the switch to lock/ unlock  
 Installation location: the middle of the door sash

#### Dimensions



Door Handle

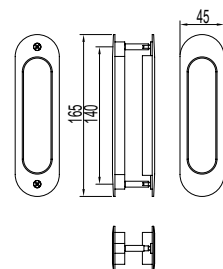


### KLS93526 Concealed handle

#### Technical Parameters

Main Material: Zinc alloy  
 Surface Finish: sprayed black, nickel brushed, green bronze  
 Applicable Door Type: Wooden sliding door  
 Applicable Door Thickness: 38~50mm  
 Slotting dimension: slot opening size 150\*35mm

#### Dimensions

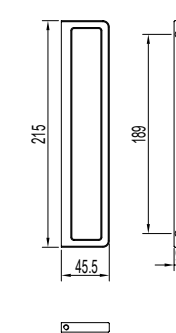


### KLS94504 sliding door handle

#### Technical Parameters

Main Material: Aluminum alloy  
 Surface Finish: sprayed black  
 Applicable Door Type: 16mm narrow frame sliding door  
 Installation location: the middle of the door sash

#### Dimensions



Door Handle

# 08

## Sliding door system



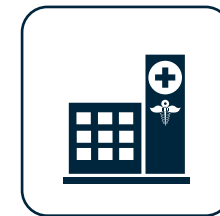
## Application scenarios



Residential



Hotel



Hospital



Office buildings



Shopping plaza



School



Conference hall



Business office

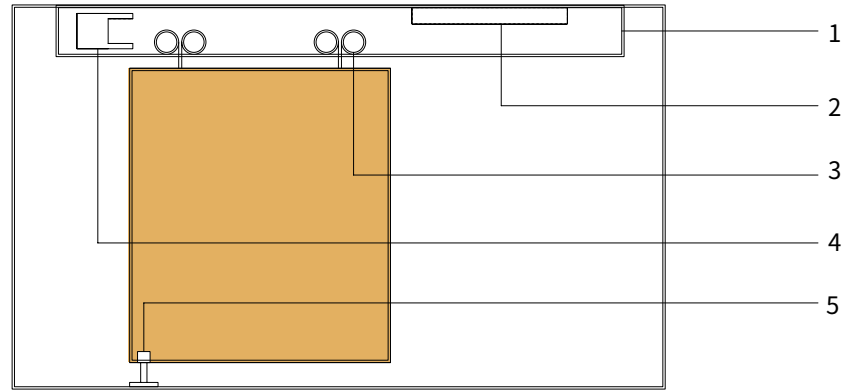


Others

.....

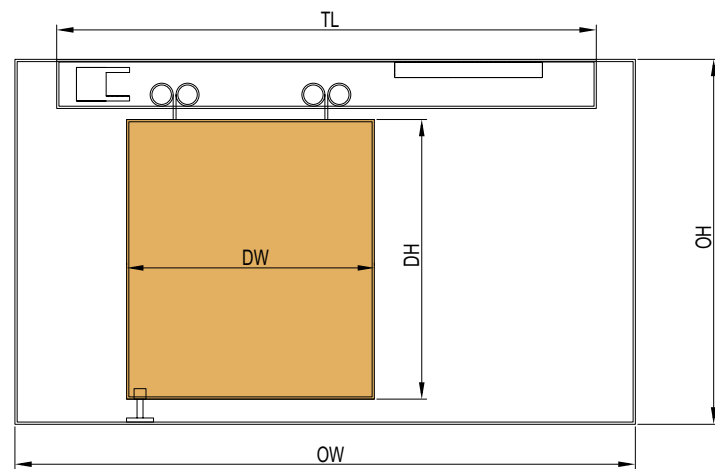
Others

**Noun definition**



- 1-Hanging rail  
Use with hanging wheel to guide the running direction of sliding door
- 2-Buffer  
Also called damper, used in sliding door operation, it can make the door sash close slowly
- 3-Hanging wheel assembly  
Sliding door operation and load-bearing components, usually composed of pulleys, bodies, fixing plates or galss patches
- 4-Limit piece / locating piece  
Limiting parts are accessories used to limit the sliding door travel, without positioning function; positioning parts are accessories used to limit the sliding door travel, with positioning function
- 5-Bottom guide fitting  
Used to reduce swing of sliding door during operation
- 6-Decorative plates  
For covering hanging rails, upper door seams and exposed accessories, with decorative function

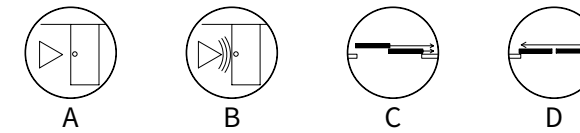
**Size instruction**



Door sash width DW    Door opening width OW    Door sash height DH  
 Door opening height OH    Hanging rail length TL

**Functions**

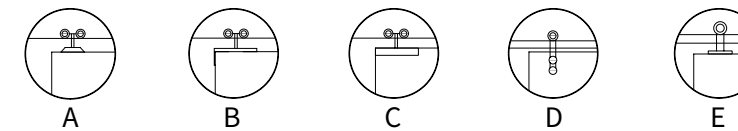
- A-Standard sliding door: single / double doors open in one direction
- B-buffer sliding door: when the door sash is opened or closed, there is a buffer effecton
- C-Synchronous co-directional linkage door: When one door is pulled, the other (multiple) is opened in the same direction
- D-Synchro-opposite linkage door: When one door is pulled, the other (multiple) is opened in the opposite direction



**Common fixing types for hanging wheel and door sash**

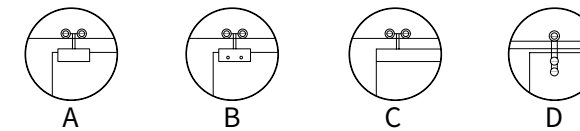
■ Wooden sliding door

- A-line plate type: installed at a distance from the end of the door sash
- B-L type: installed at the end of the door sash
- C-U Slot Type: Installed at the end of the door sash, the door sash needs to be slotted, concealed installation
- D-Bracket type: installed on the front of the door sash, the door sash needs to drill holes
- E-Bracket type: installed at a distance from the end of the door sash



■ Glass sliding door

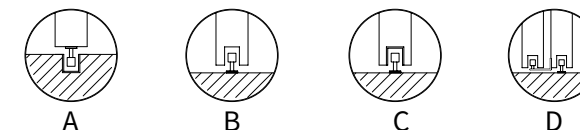
- A- short patch type: installed at a distance from the end of the door sash, no need to open the glass
- B-Short patch hole type: installed at a distance from the end of the door sash, the glass needs to drill holes
- C-Long patch type: The glass patch is generally the same width as the door lea
- D-Bracket type: installed on the front of the door sash, the glass needs to drill holes



**Common installation types of Door bottom guide fitting**

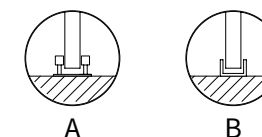
■ Wooden sliding door

- A-Floor slotted lower guide rail: Door bottom guide fitting is installed at the bottom of the door sash
- B-Floor-mounted Door bottom guide: slotted in the bottom of the door sash
- C-Floor-mounted Door bottom guide: slotted bottom guide rail for bottom guide door
- D-Floor-mounted Door bottom guide fitting: L-shaped Door bottom guide on door sash (for linkage door only)



■ Glass sliding door

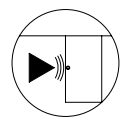
- A-Floor-mounted Door bottom guide, double-side guide wheel structure
- B-Floor-mounted Door bottom guide, guide slot structure



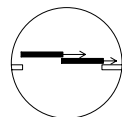
## Aluminum narrow frame linkage sliding door accessories KYN6121LD

Applicable maximum door weight 60Kg

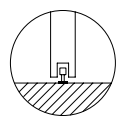
### Sliding door function diagram



Buffer linkage type



Synchronous isotropic



Door bottom guide

### Technical Parameters

Applicable door weight	≤60Kg	Linkage type	belt drive
Applicable door width	≥600mm	Applicable door type	
Applicable door height	≤2600mm	Aluminum narrow frame door	
Height adjustment	±5mm		
Buffer type	Two-way buffering		

### Main Material

Hanging wheel main body	Zinc alloy
Adjustable mounting	Aluminum alloy
Door bottom guide	Stainless Steel + Nylon
Hanging rail	Aluminum alloy



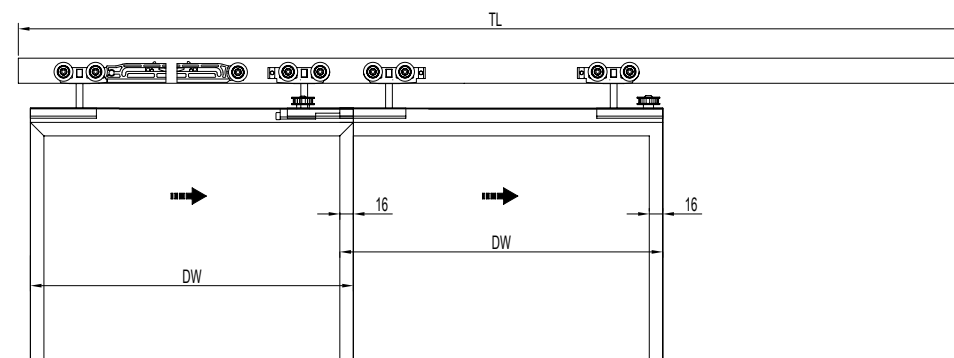
### Standard configuration (3 linkage = 2pcs moving sash + 1pc fixed sash)

Model	Accessory name	Accessory Picture	Quantity	Accessory name	Accessory Picture	Quantity
KYN6121LD	Buffer hanging wheel		1	Hanging wheel		3
	Adjustable mounting		2	Linkage belt fixing clamp		1
	Long guide wheel		1	External linkage guide		1
	Short guide wheel		1	Door bottom guide		1
	Buffer block		2	Belt		1
	Top mounting fixed clamp		1			

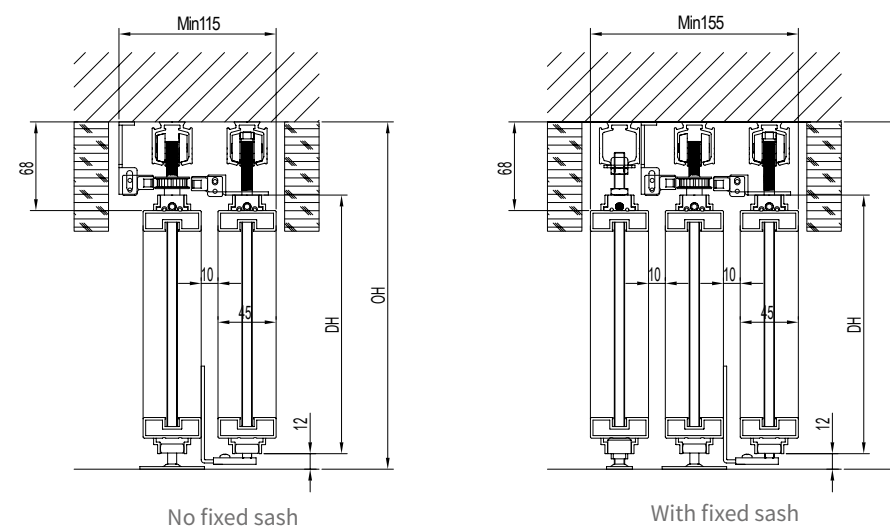
### Matching track

Model	Product Picture	Dimensions	Remark
KYN91015			The quantity is determined according to the configuration of the door sash The length is calculated according to the width of the door opening and needs to be ordered separately

### Installation diagram



### Installation Diagram for Hanging Rail and Hanging Wheel



### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

### Calculation formula

DH=OH-69  
 DW=(OW+16\*2)/3  
 TL=OW-5

### Common configuration type



Linkage door accessories: 1 set  
Hanging rail: 2 roots



Linkage door accessories: 1 set  
Hanging rail: 3 roots  
Fixed sash accessories: 1 set

### Supporting products (Optional)

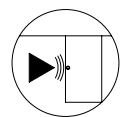
- Sliding door handle or sliding door handle lock (KLS94504 or KLS94404) 1 set (refer P240 for details)
- Narrow frame door components (KYN97004) 2 sets (without fixed sash) or 3 sets (with fixed sash) are determined according to the configuration (refer P286 for details)
- Fixed sash accessories (KYN97005) 1 set (refer P286 for details)



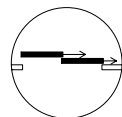
## Aluminum narrow frame linkage sliding door accessories KYN6131LD

Applicable maximum door weight 60Kg

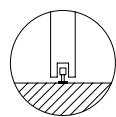
### Sliding door function diagram



Buffer linkage type



Synchronous isotropic



Door bottom guide

### Technical Parameters

Applicable door weight	≤60Kg	Linkage type	belt drive
Applicable door width	≥600mm	Applicable door type	
Applicable door height	≤2600mm	Aluminum narrow frame door	
Height adjustment	±5mm		
Buffer type	Two-way buffering		

### Main Material

Hanging wheel main body	Zinc alloy
Adjustable mounting	Aluminum alloy
Door bottom guide	Stainless Steel + Nylon
Hanging rail	Aluminum alloy



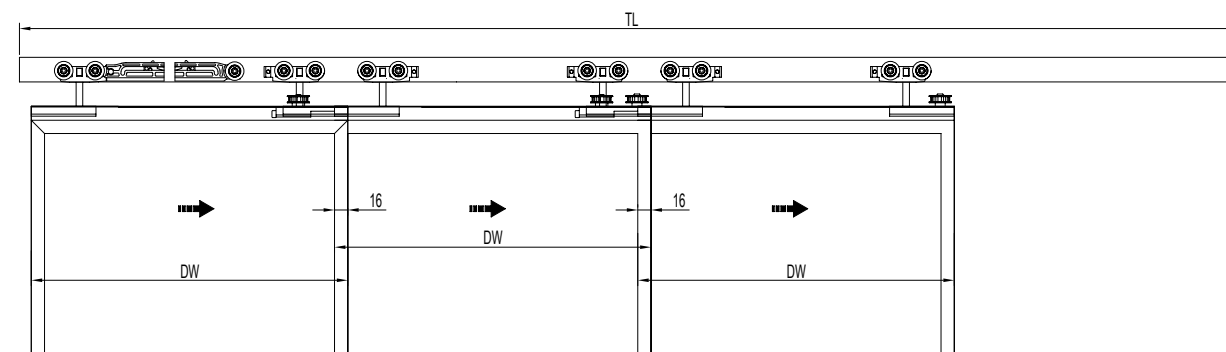
### Standard configuration (4 linkage = 3pcs moving sash + 1pc fixed sash)

Model	Accessory name	Accessory Picture	Quantity	Accessory name	Accessory Picture	Quantity
KYN6131LD	Buffer hanging wheel		1	Hanging wheel		5
	Adjustable mounting		2	Linkage belt fixing clamp		3
	Long guide wheel		2	External linkage guide		2
	Short guide wheel		2	Door bottom guide		1
	Buffer block		2	Belt		2
	Top mounting fixed clamp		1			

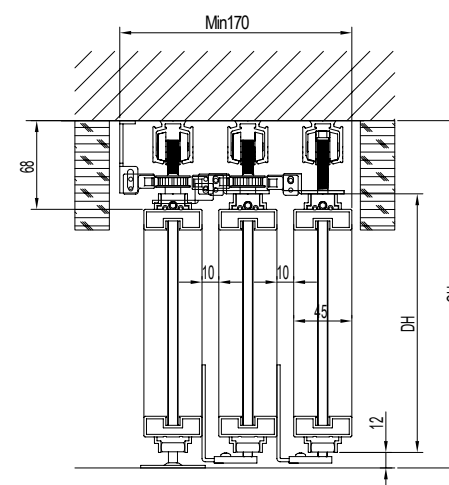
### Matching track

Model	Product Picture	Dimensions	Remark
KYN91015			The quantity is determined according to the configuration of the door sash The length is calculated according to the width of the door opening and needs to be ordered separately

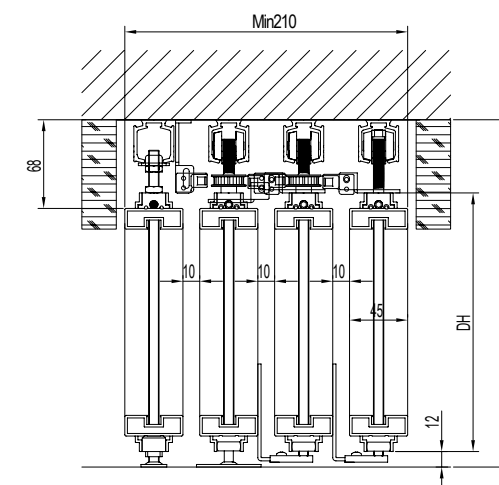
### Installation diagram



### Installation Diagram for Hanging Rail and Hanging Wheel



No fixed sash



With fixed sash

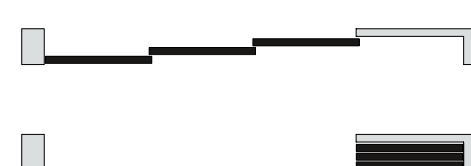
### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

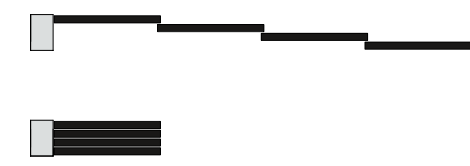
### Calculation formula

DH=OH-69  
 DW=(OW+16\*3)/4  
 TL=OW-5

### Common configuration type



Linkage door accessories: 1 set  
Hanging rail: 3 roots



Linkage door accessories: 1 set  
Hanging rail: 4 roots  
Fixed sash accessories: 1 set

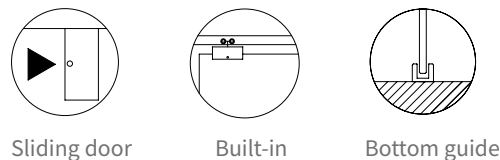
### Supporting products (Optional)

- Sliding door handle or sliding door handle lock (KLS94504 or KLS94404) 1 set (refer P240 for details)
- Narrow frame door components (KYN97004) 2 sets (without fixed sash) or 3 sets (with fixed sash) are determined according to the configuration (refer P286 for details)
- Fixed sash accessories (KYN97005) 1 set (refer P286 for details)

## Glass sliding door accessories KYN8110E

Applicable maximum door weight 60Kg

### Sliding door function diagram



### Technical Parameters

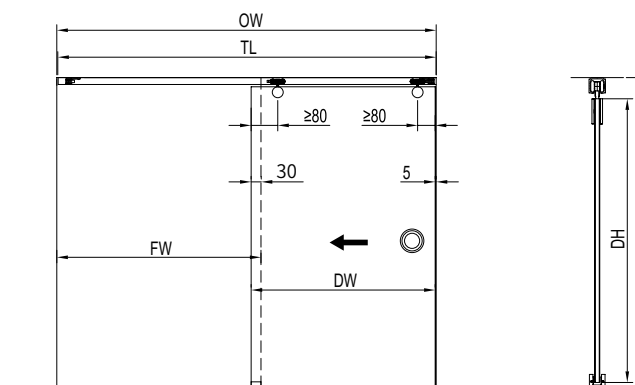
Applicable door weight	≤60Kg
Applicable door thickness	10-12mm
Applicable door height	≤2300mm
Height adjustment	±3mm
Applicable door type	Glass door

### Main Material

Hanging wheel main body	Zinc alloy
Glass patch	stainless steel
Door bottom guide	304stainless steel
Hanging rail	Aluminum alloy



### Installation diagram



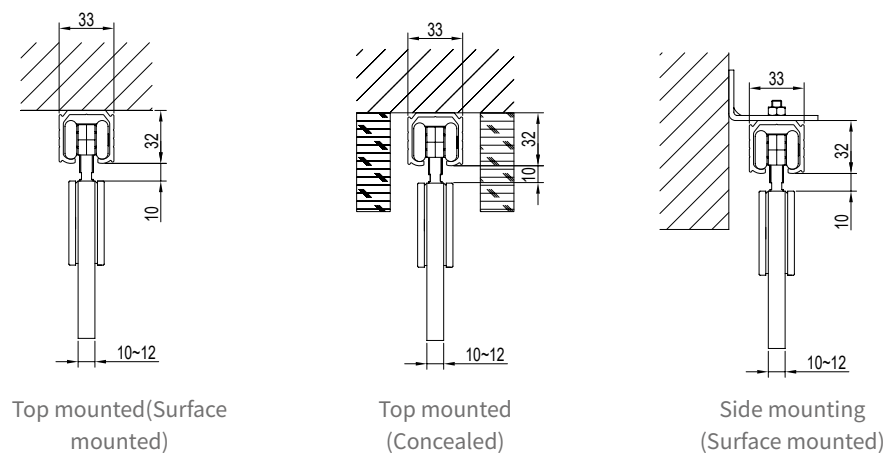
### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

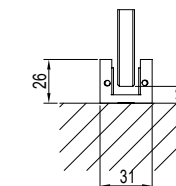
### Calculation formula

DH=OH-52
FW=OW/2+30
DW=FW-35
TL=OW-5

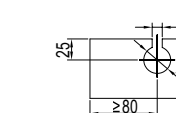
### Installation Diagram for Hanging Rail and Hanging Wheel



### Door bottom guide installation diagram



### Glass cut out drawing



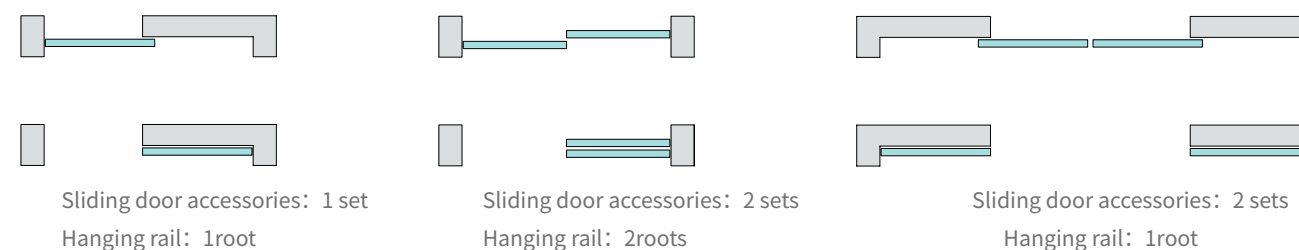
### Sliding door accessories (one door)

Model	Accessories name	Accessories picture	Quantity
KYN8110E	Hanging wheel assembly		2PCS
	Positioning parts		2PCS
	Door bottom guide		1PCS

### Matching hanging rail

Model	Picture	Dimensions	Remark
KYN91005			The quantity is determined according to the configuration of the door sash The length is calculated according to the width of the door opening and needs to be ordered separately

### Common configuration type



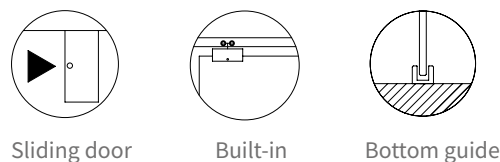
### Supporting products (Optional)

Concealed handle or sliding door lock	1 set (refer P236/181-182 for details)
Hanging rail side installation assembly (KYN97001)	The quantity is determined according to the length of the hanging rail (refer P286 for details)

## Glass sliding door accessories KYN8210G

Applicable maximum door weight 80Kg

### Sliding door function diagram



### Technical Parameters

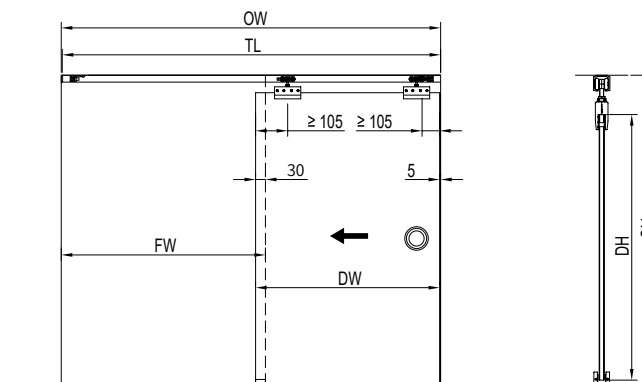
Applicable door weight	≤80Kg
Applicable door thickness	10-12mm
Applicable door height	≤2400mm
Height adjustment	±5mm
Applicable door type	Glass door

### Main Material

Hanging wheel main body	Zinc alloy
Glass patch	Aluminum alloy
Door bottom guide	304stainless steel
Hanging rail	Aluminum alloy



### Installation diagram



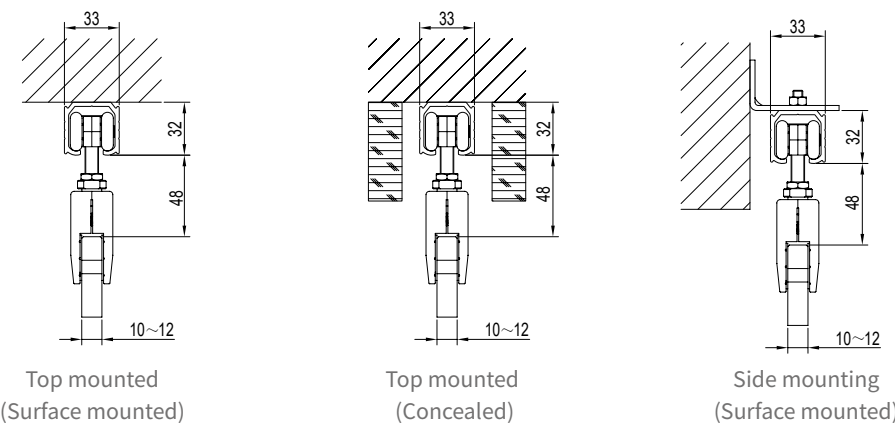
### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

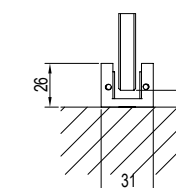
### Calculation formula

DH=OH-90
FW=OW/2+30
DW=FW-35
TL=OW-5

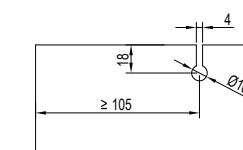
### Installation Diagram for Hanging Rail and Hanging Wheel



### Door bottom guide installation diagram



### Glass cut out drawing



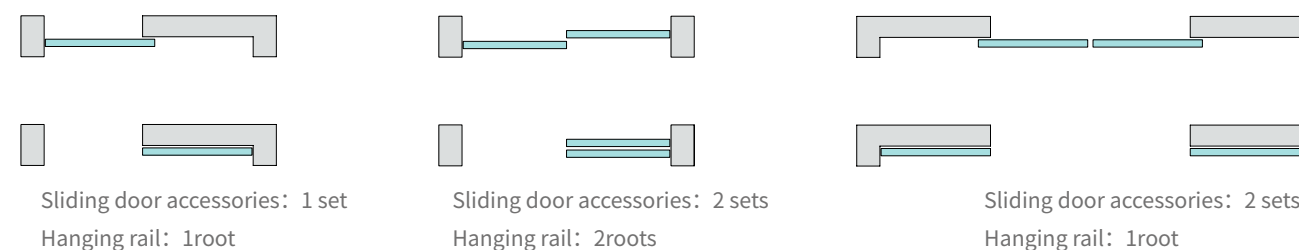
### Sliding door accessories (one door)

Model	Accessories name	Accessories picture	Quantity
KYN8210G	Hanging wheel assembly		2PCS
	Positioning parts		2PCS
	Door bottom guide		1PCS

### Matching hanging rail

Model	Picture	Dimensions	Remark
KYN91005			The quantity is determined according to the configuration of the door sash. The length is calculated according to the width of the door opening and needs to be ordered separately.

### Common configuration type



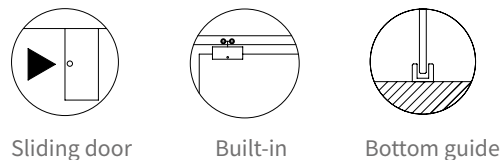
### Supporting products (Optional)

Concealed handle or sliding door lock	1 set (refer P236/181-182 for details)
Hanging rail side installation assembly (KYN97001)	The quantity is determined according to the length of the hanging rail (refer P286 for details)

## Glass sliding door accessories KYN8310F

Applicable maximum door weight 100Kg

### Sliding door function diagram



### Technical Parameters

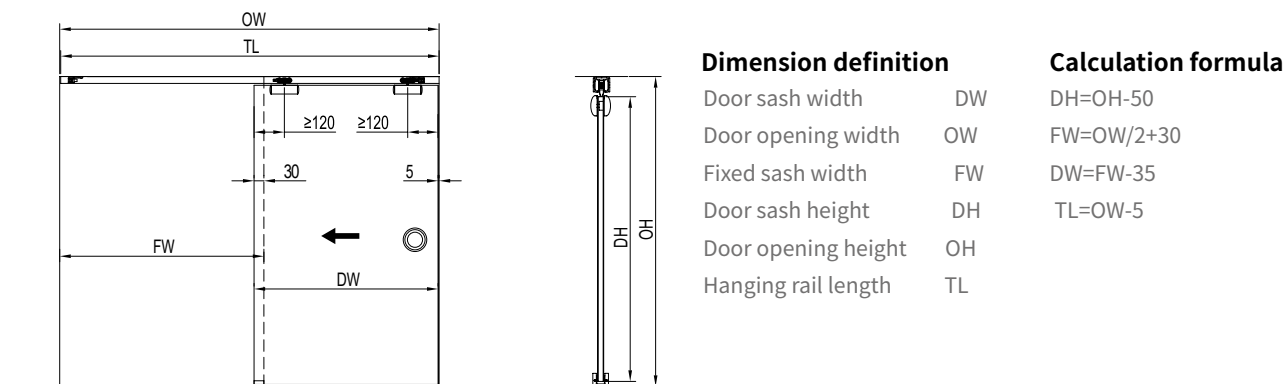
Applicable door weight	≤100Kg
Applicable door thickness	10-12mm
Applicable door height	≤2500mm
Height adjustment	±3mm
Applicable door type	Glass door

### Main Material

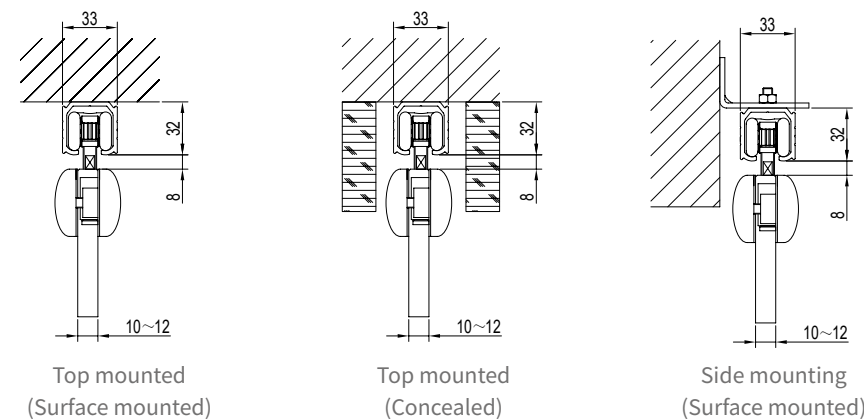
Hanging wheel main body	Zinc alloy
Glass patch	Aluminum alloy
Door bottom guide	304stainless steel
Hanging rail	Aluminum alloy



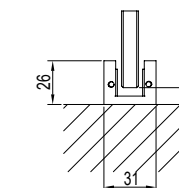
### Installation diagram



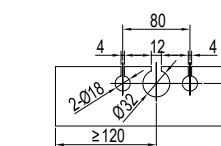
### Installation Diagram for Hanging Rail and Hanging Wheel



### Door bottom guide installation diagram



### Glass cut out drawing



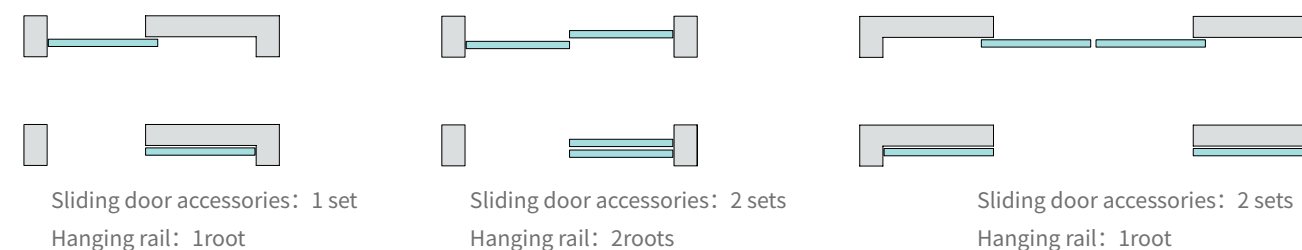
### Sliding door accessories (one door)

Model	Accessories name	Accessories picture	Quantity
KYN8310F	Hanging wheel assembly		2PCS
	Positioning parts		2PCS
	Door bottom guide		1PCS

### Matching hanging rail

Model	Picture	Dimensions	Remark
KYN91005			The quantity is determined according to the configuration of the door sash The length is calculated according to the width of the door opening and needs to be ordered separately

### Common configuration type



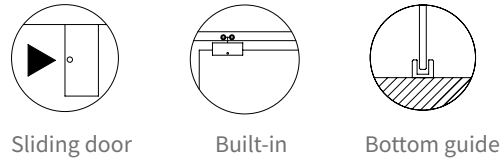
### Supporting products (Optional)

Concealed handle or sliding door lock	1 set (refer P236/181-182 for details)
Hanging rail side installation assembly (KYN97001)	The quantity is determined according to the length of the hanging rail (refer P286 for details)

## Glass sliding door accessories KYN8310G

Applicable maximum door weight 100Kg

### Sliding door function diagram



Sliding door Built-in Bottom guide

### Technical Parameters

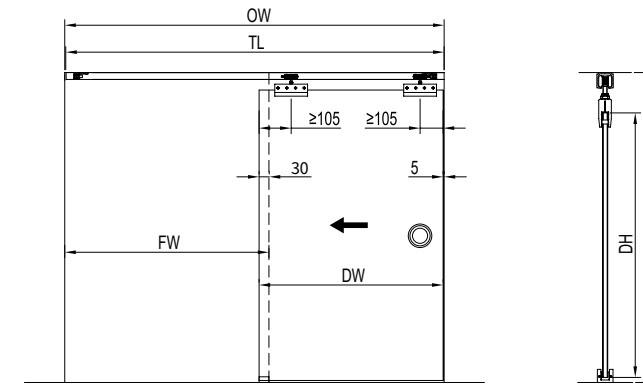
Applicable door weight	≤100Kg
Applicable door thickness	10-12mm
Applicable door height	≤2500mm
Height adjustment	±5mm
Applicable door type	Glass door

### Main Material

Hanging wheel main body	Zinc alloy
Glass patch	Aluminum alloy
Door bottom guide	304stainless steel
Hanging rail	Aluminum alloy



### Installation diagram



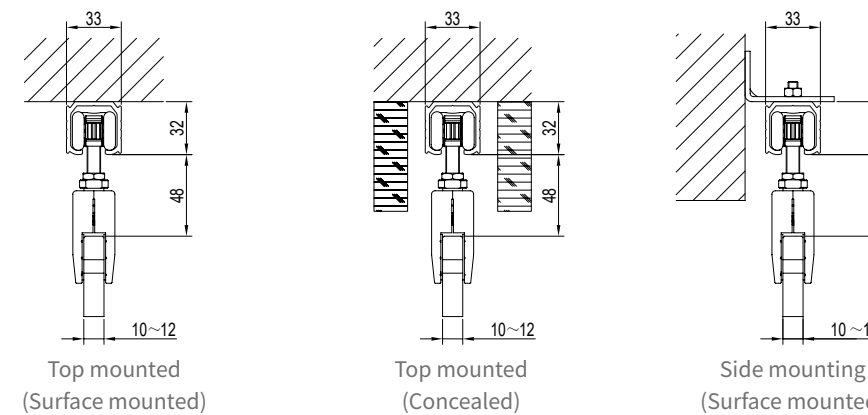
### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

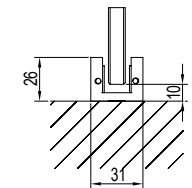
### Calculation formula

DH=OH-90
FW=OW/2+30
DW=FW-35
TL=OW-5

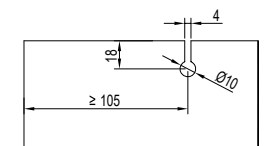
### Installation Diagram for Hanging Rail and Hanging Wheel



### Door bottom guide installation diagram



### Glass cut out drawing



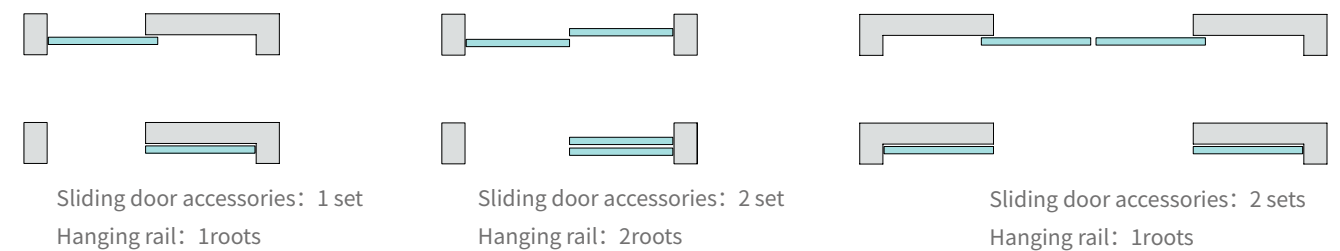
### Sliding door accessories (one door)

Model	Accessories name	Accessories picture	Quantity
KYN8310G	Hanging wheel assembly		2PCS
	Positioning parts		2PCS
	Door bottom guide		1PCS

### Matching hanging rail

Model	Picture	Dimensions	Remark
KYN91005			The quantity is determined according to the configuration of the door sash The length is calculated according to the width of the door opening and needs to be ordered separately

### Common configuration type



### Supporting products (Optional)

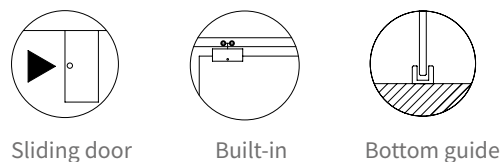
Concealed handle or sliding door lock	1 set (refer P236/181-182 for details)
Hanging rail side installation assembly (KYN97001)	The quantity is determined according to the length of the hanging rail (refer P286 for details)



## Glass sliding door accessories KYN24010

Applicable maximum door weight 120Kg

### Sliding door function diagram



Sliding door Built-in Bottom guide

### Technical Parameters

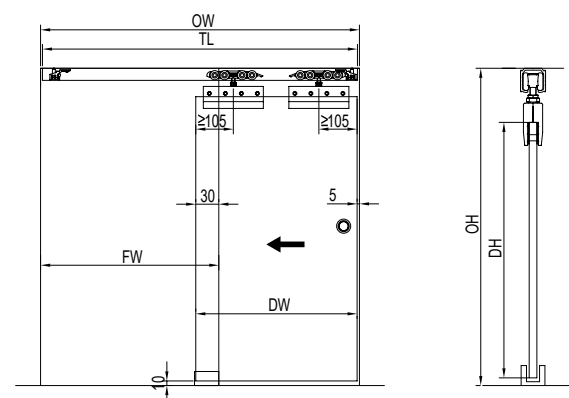
Applicable door weight	≤120Kg
Applicable door thickness	10-12mm
Applicable door height	≤2600mm
Height adjustment	±5mm
Applicable door type	Glass door

### Main Material

Hanging wheel main body	Zinc alloy
Glass patch	Aluminum alloy
Door bottom guide	304stainless steel
Hanging rail	Aluminum alloy



### Installation diagram



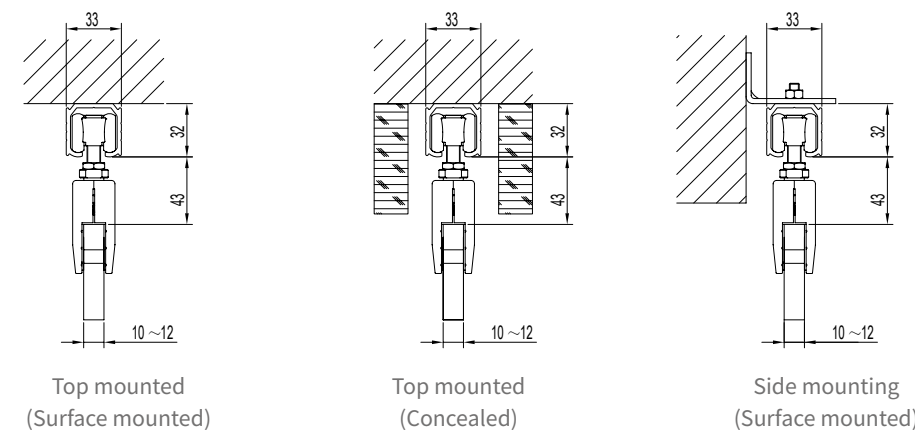
### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

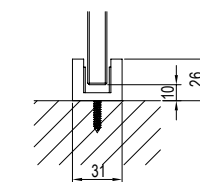
### Calculation formula

$DH=OH-85$
$FW=OW/2+30$
$DW=FW-35$
$TL=OW-5$

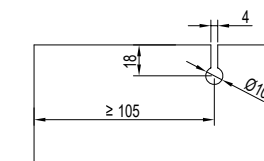
### Installation Diagram for Hanging Rail and Hanging Wheel



### Door bottom guide installation diagram



### Glass cut out drawing



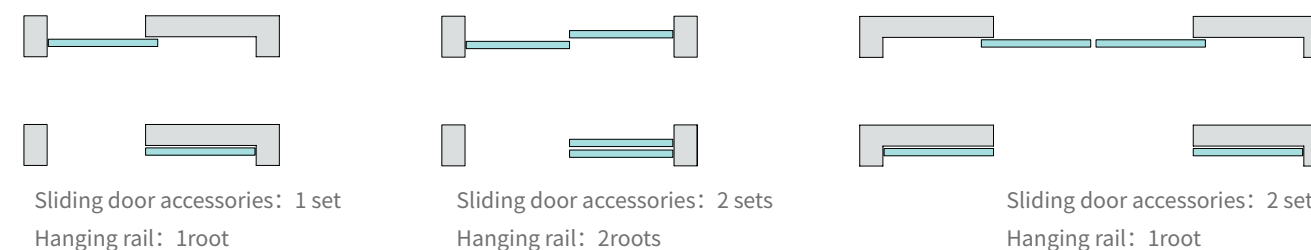
### Sliding door accessories (one door)

Model	Accessories name	Accessories picture	Quantity
KYN24010	Hanging wheel assembly		2PCS
	Positioning parts		2PCS
	Door bottom guide		1PCS

### Matching hanging rail

Model	Picture	Dimensions	Remark
KYN91005			The quantity is determined according to the configuration of the door sash The length is calculated according to the width of the door opening and needs to be ordered separately

### Common configuration type



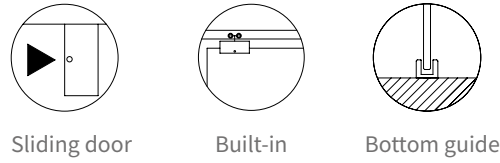
### Supporting products (Optional)

Concealed handle or sliding door lock	1 set (refer P236/181-182 for details)
Hanging rail side installation assembly (KYN97001)	The quantity is determined according to the length of the hanging rail (refer P286 for details)

## Glass sliding door accessories KYN15010

Applicable maximum door weight 150Kg

### Sliding door function diagram



### Technical Parameters

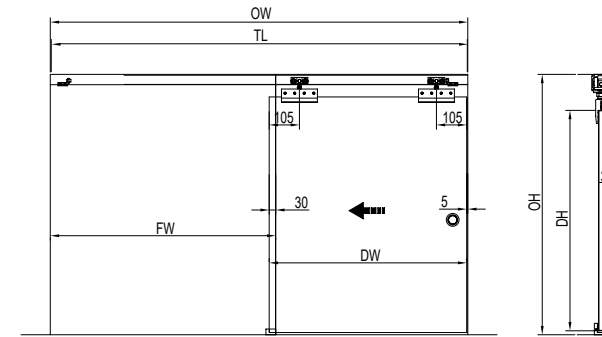
Applicable door weight	≤150Kg
Applicable door thickness	10-12mm
Applicable door height	≤2700mm
Height adjustment	±5mm
Applicable door type	Glass door

### Main Material

Hanging wheel main body	Aluminum alloy
Glass patch	Aluminum alloy
Door bottom guide	304 stainless steel
Hanging rail	Aluminum alloy



### Installation diagram



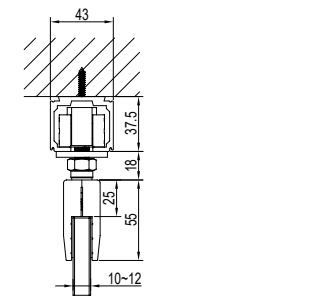
### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

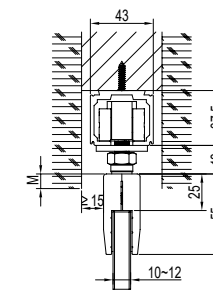
### Calculation formula

DH=OH-90
FW=OW/2+30
DW=FW-35
TL=OW-5

### Installation Diagram for Hanging Rail and Hanging Wheel

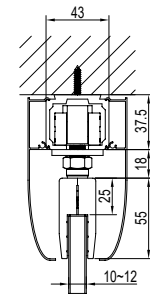


Top mounted(Surface mounted)



Top mount  
(Concealed)

Note: M is depended on the actual situation



Top mounted  
(Surface mounted /  
with decorative board)

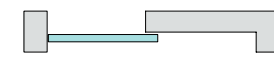
### Sliding door accessories (one door)

Model	Accessories name	Accessories picture	Quantity
KYN15010	Hanging wheel assembly		2PCS
	Positioning parts		2PCS
	Door bottom guide		1PCS

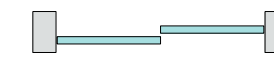
### Matching hanging rail

Model	Picture	Dimensions	Remark
KYN52501			The quantity is determined according to the door fan configuration Length according to the width of the door, need to order

### Common configuration type



Sliding door accessories: 1 set  
Hanging rail: 1roots



Sliding door accessories: 2 sets  
Hanging rail: 2roots

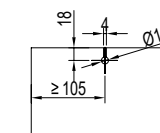


Sliding door accessories: 2 sets  
Hanging rail: 1roots

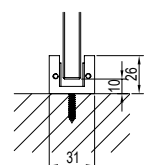
### Supporting products (Optional)

Concealed handle or sliding door lock	1 set (refer P236/181-182 for details)
Decorative plates	1Pcs or 2Pcs(Model KYN12506)

### Glass cut out drawing



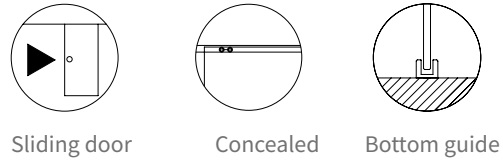
### Door bottom guide installation diagram



## Concealed glass sliding door KYN11210/KYN11220(Old codeTLG211)

Applicable maximum door weight 80Kg

### Sliding door function diagram



Sliding door    Concealed    Bottom guide

### Technical Parameters

Applicable door weight	≤80Kg
Applicable door thickness	10-12mm
Applicable door width	600-1000mm
Applicable door height	≤2200mm
Applicable door type	Glass door

### Main Material

Hanging wheel main body	304 stainless steel
Door bottom guide	304 stainless steel
Hanging rail	Aluminum alloy

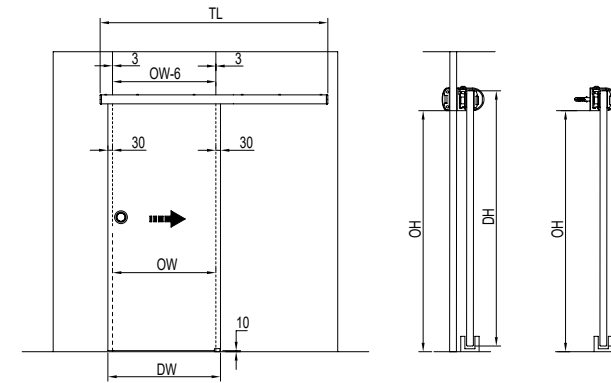


### Standard configuration (Single door)

Model	Accessories name	Accessories picture	Quantity
KYN11210 (Wall mounting)	Hanging rail		2pcs
	Positioning parts		2pcs
	Door bottom guide		1pcs
	Hanging wheel assembly		1pcs

Model	Accessories name	Accessories picture	Quantity
KYN11220 (Glass surface installation)	Hanging rail		2pcs
	Positioning parts		2pcs
	Door bottom guide		1pcs
	Hanging wheel assembly		1pcs

### Installation diagram



### Dimension definition

Door sash width	DW
Door opening width	OW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

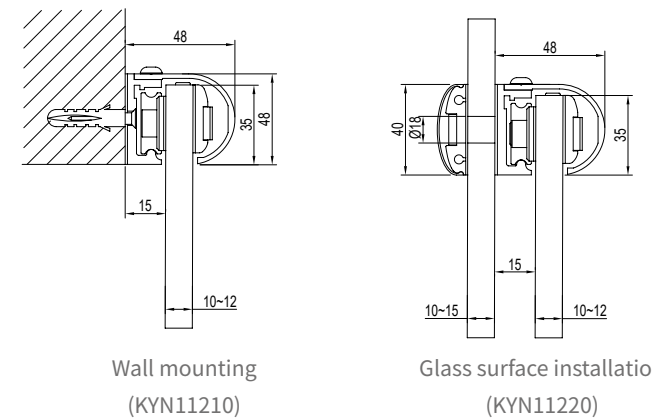
### Calculation formula

$$DH=OH+25$$

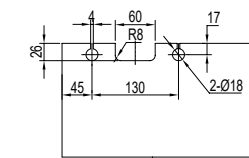
$$DW=OW+60$$

$$TL \geq 2 \times DW + 100$$

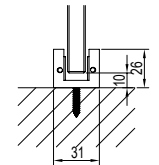
### Installation Diagram for Hanging Rail and Hanging Wheel



### Glass cut out drawing



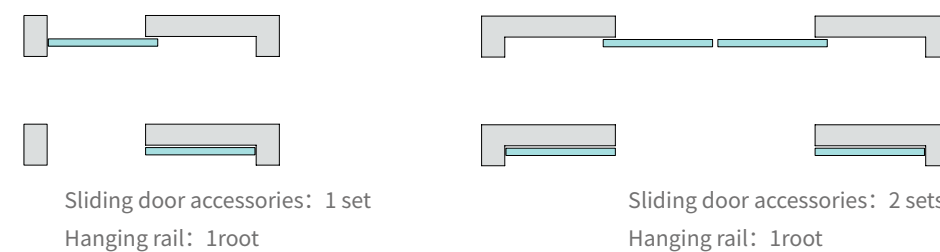
### Door bottom guide installation diagram



### Hanging rail opening size chart

Installation size	Hanging rail length			
	1600mm	2400mm	3200mm	4000mm
B	30	30	40	50
C	4*350	6*390	8*390	10*390

### Common configuration type



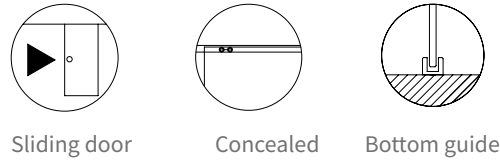
### Supporting products (Optional)

Concealed handle or sliding door lock 1 set (refer P236/181-182 for details)

## Concealed glass sliding door KYN12210/KYN12220(Old code TLG212)

Applicable maximum door weight 80Kg

### Sliding door function diagram



Sliding door    Concealed    Bottom guide

### Technical Parameters

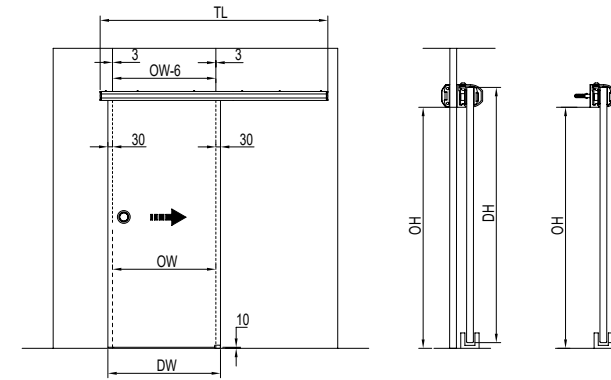
Applicable door weight	≤80Kg
Applicable door thickness	10-12mm
Applicable door width	600-1000mm
Applicable door height	≤2200mm
Applicable door type	Glass door

### Main Material

Hanging wheel main body	304 stainless steel
Door bottom guide	304 stainless steel
Hanging rail	Aluminum alloy



### Installation diagram



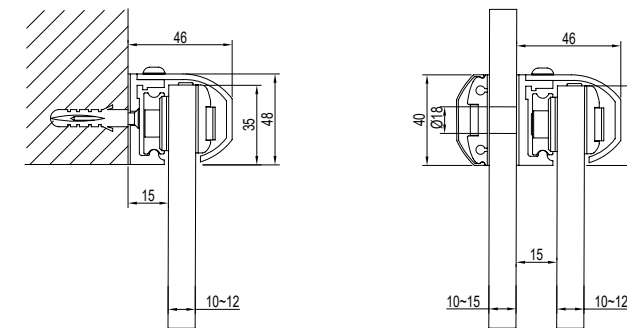
### Dimension definition

Door sash width	DW
Door opening width	OW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

### Calculation formula

$DH=OH+25$
$DW=OW+60$
$TL \geq 2 \times DW + 100$

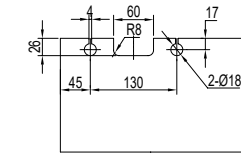
### Installation Diagram for Hanging Rail and Hanging Wheel



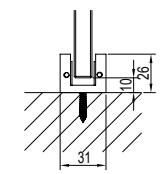
Wall mounting  
(KYN12210)

Glass surface installation  
(KYN12220)

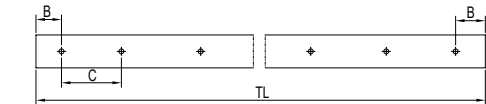
### Glass cut out drawing



### Door bottom guide installation diagram



### Hanging rail opening size chart



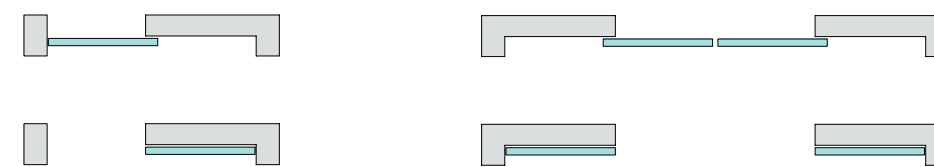
Installation size	Hanging rail length			
	1600mm	2400mm	3200mm	4000mm
B	30	30	40	50
C	4*350	6*390	8*390	10*390

### Standard configuration (Single door)

Model	Accessories name	Accessories picture	Quantity
KYN12210 (Wall mounting)	Hanging wheel		2pcs
	Positioning parts		2pcs
	Door bottom guide		1pcs
	Hanging rail assembly		1pcs

Model	Accessories name	Accessories picture	Quantity
KYN12220 (Glass surface installation)	Hanging wheel		2pcs
	Positioning parts		2pcs
	Door bottom guide		1pcs
	Hanging rail assembly		1pcs

### Common configuration type



Sliding door accessories: 1 set  
Hanging rail: 1root

Sliding door accessories: 2 sets  
Hanging rail: 1root

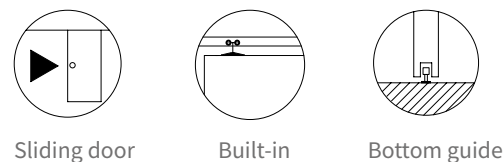
### Supporting products (Optional)

Concealed handle or sliding door lock 1 set (refer P236/181-182 for details)

## Wood/Metal Frame Sliding Door Accessories KYN8110B

Applicable maximum door weight 60Kg

### Sliding door function diagram



### Technical Parameters

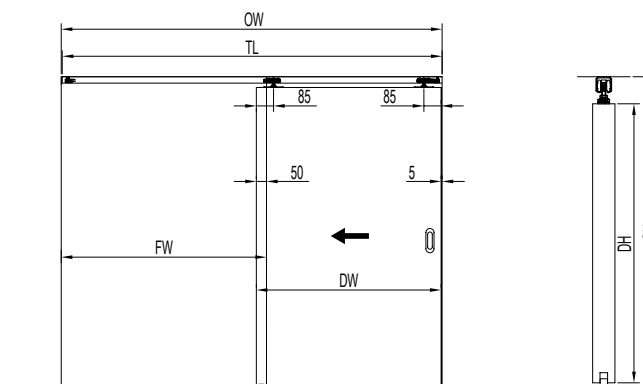
Applicable door weight	≤60Kg
Applicable door thickness	≥30mm
Applicable door height	≤2300mm
Height adjustment	±3mm
Applicable door type	Wooden door Aluminum frame door Metal frame door

### Main Material

Hanging wheel main body	Nylon
Hanging plate	stainless steel
Door bottom guide	Nylon
Hanging rail	Aluminum alloy



### Installation diagram



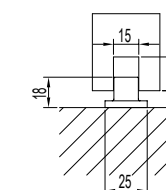
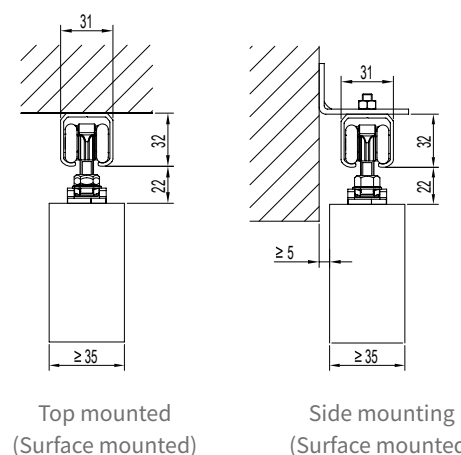
### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

### Calculation formula

DH=OH-64
FW=OW/2+50
DW=FW-55
TL=OW-5

### Installation Diagram for Hanging Rail and Hanging Wheel



Door bottom guide installation diagram

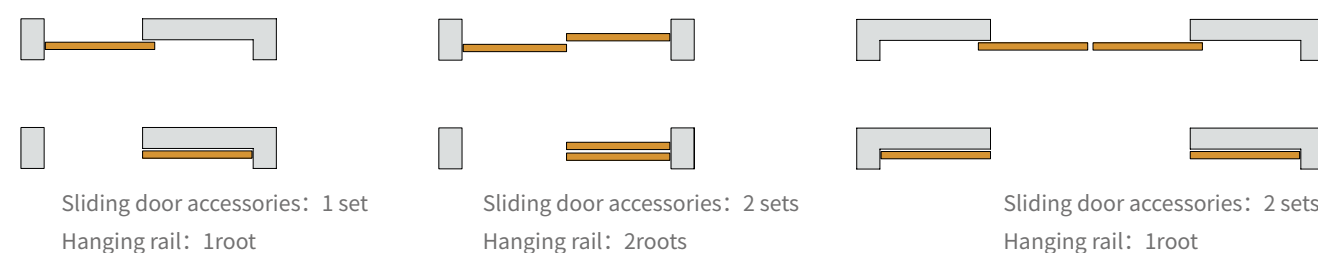
### Sliding door accessories (one door)

Model	Accessories name	Accessories picture	Quantity
KYN8110B	Hanging wheel assembly		2PCS
	Positioning parts		2PCS
	Door bottom guide		1PCS

### Matching hanging rail

Model	Picture	Dimensions	Remark
KYN91012			The quantity is determined according to the configuration of the door sash The length is calculated according to the width of the door opening and needs to be ordered separately

### Common configuration type



### Supporting products (Optional)

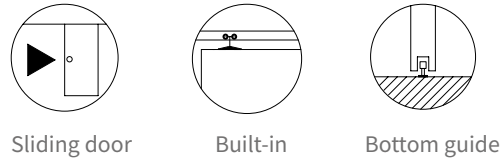
Concealed handle or sliding door lock	1 set (refer P237-239/P191-192 for details)
Hanging rail side installation assembly( KYN97001)	The quantity is determined according to the length of the hanging rail (refer P286 for details)



## Wood/Metal Frame Sliding Door Accessories KYN8210B

Applicable maximum door weight 80Kg

### Sliding door function diagram

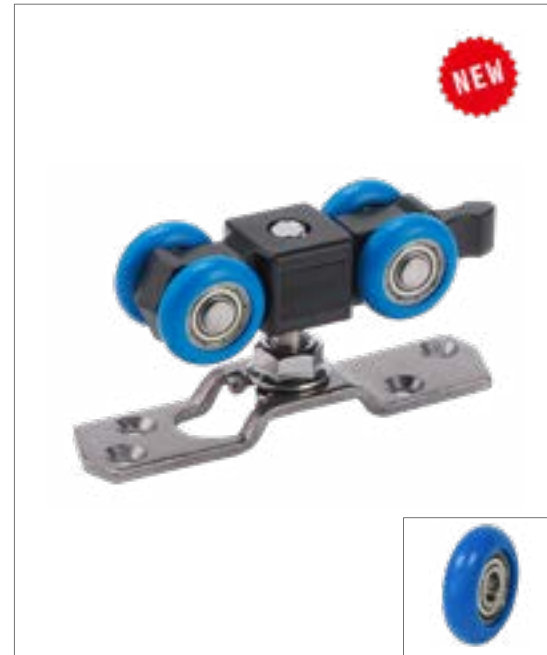


### Technical Parameters

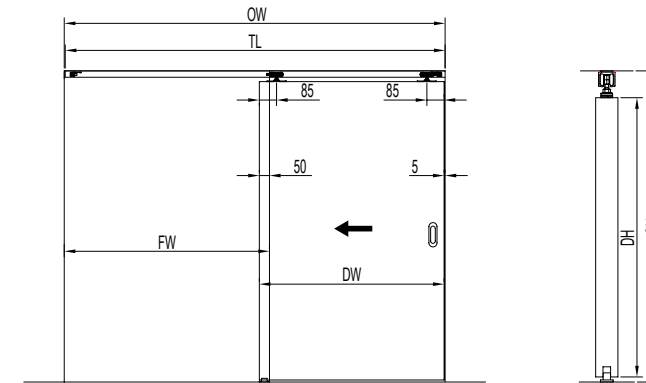
Applicable door weight	≤80Kg
Applicable door thickness	≥30mm
Applicable door height	≤2400mm
Height adjustment	±3mm
Applicable door type	Wooden door Aluminum frame door Metal frame door

### Main Material

Hanging wheel main body	Zinc alloy
Hanging plate	stainless steel
Door bottom guide	Nylon
Hanging rail	Aluminum alloy



### Installation diagram



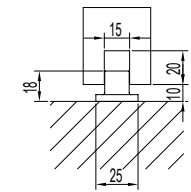
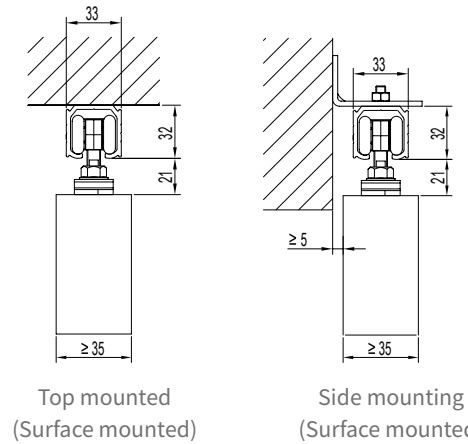
### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

### Calculation formula

DH=OH-63
FW=OW/2+50
DW=FW-55
TL=OW-5

### Installation Diagram for Hanging Rail and Hanging Wheel



Door bottom guide installation diagram

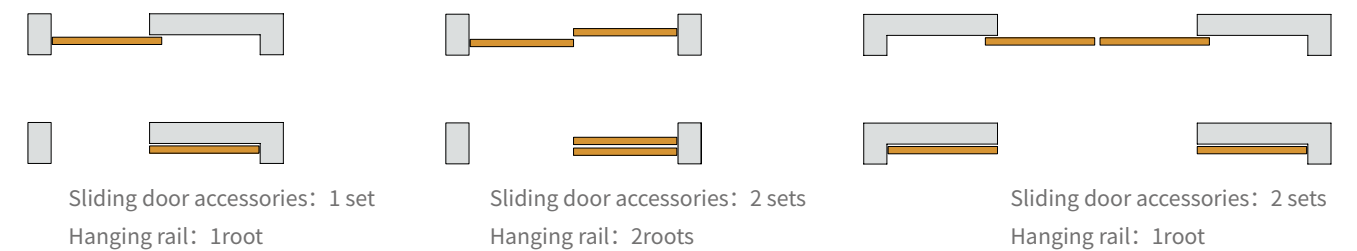
### Sliding door accessories (one door)

Model	Accessories name	Accessories picture	Quantity
KYN8210B	Hanging wheel assembly		2PCS
	Positioning parts		2PCS
	Door bottom guide		1PCS

### Matching hanging rail

Model	Picture	Dimensions	Remark
KYN91005			The quantity is determined according to the configuration of the door sash The length is calculated according to the width of the door opening and needs to be ordered separately

### Common configuration type



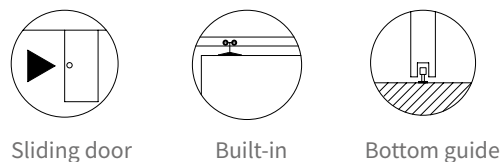
### Supporting products (Optional)

Concealed handle or sliding door lock	1 set (refer P237-239/P191-192 for details)
Hanging rail side installation assembly( KYN97001)	The quantity is determined according to the length of the hanging rail (refer P286 for details)

## Wooden Sliding Door Accessories KYN8120A

Applicable maximum door weight 80Kg

### Sliding door function diagram



### Technical Parameters

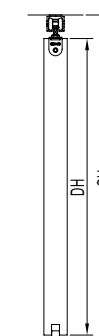
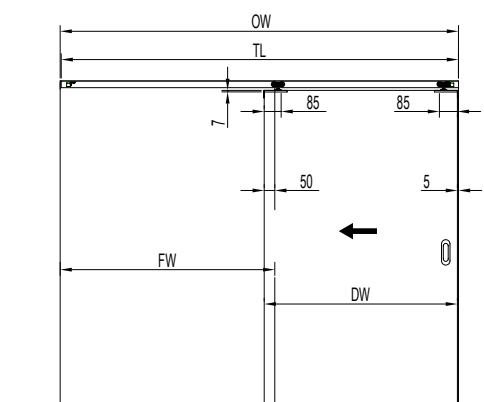
Applicable door weight	≤80Kg
Applicable door thickness	≥30mm
Applicable door height	≤2400mm
Height adjustment	±3mm
Applicable door type	Wooden door

### Main Material

Hanging wheel main body	Zinc alloy
Side mounting bracket	stainless steel
Door bottom guide	Nylon
Hanging rail	Aluminum alloy



### Installation diagram

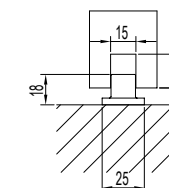
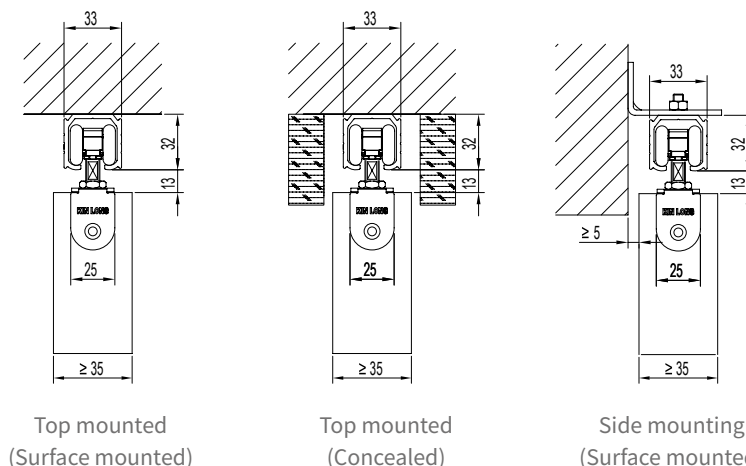


### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

### Calculation formula

DH=OH-55(Door slotted)
DH=OH-62(Door leaves are not slotted)
FW=OW/2+50
DW=FW-55
TL=OW-5



Door bottom guide installation diagram

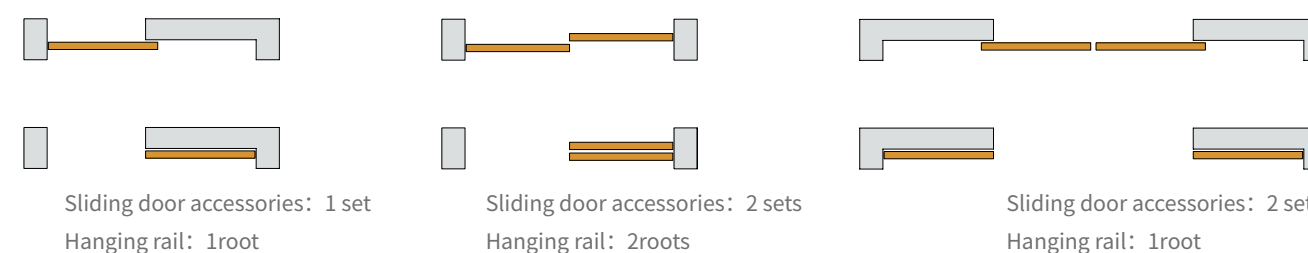
### Sliding door accessories (one door)

Model	Accessories name	Accessories picture	Quantity
KYN8120A	Hanging wheel assembly		2PCS
	Positioning parts		2PCS
	Door bottom guide		1PCS

### Matching hanging rail

Model	Picture	Dimensions	Remark
KYN91005			The quantity is determined according to the configuration of the door sash The length is calculated according to the width of the door opening and needs to be ordered separately

### Common configuration type



### Supporting products (Optional)

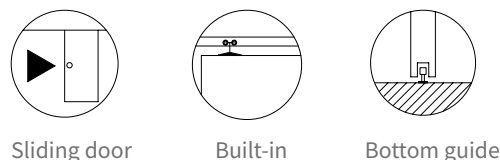
Concealed handle or sliding door lock  
Hanging rail side installation assembly (KYN97001)  
of the hanging rail (refer P286 for details)

1 set (refer P237-239/P191-192 for details)  
The quantity is determined according to the length

## Wood/Metal Frame Sliding Door Accessories KYN8310B

Applicable maximum door weight 100Kg

### Sliding door function diagram



### Technical Parameters

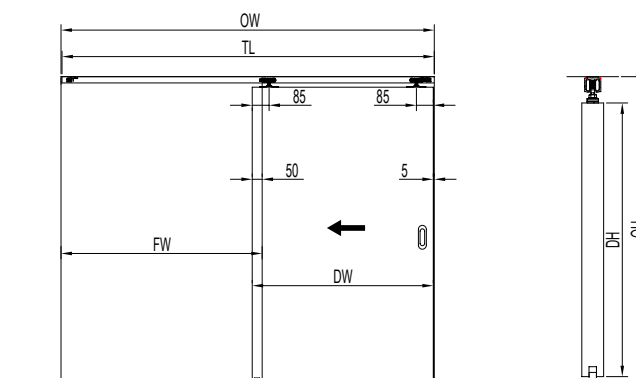
Applicable door weight	≤100Kg
Applicable door thickness	≥30mm
Applicable door height	≤2500mm
Height adjustment	±3mm
Applicable door type	Wooden door Aluminum frame door Metal frame door

### Main Material

Hanging wheel main body	Zinc alloy
Hanging plate	stainless steel
Door bottom guide	Nylon
Hanging rail	Aluminum alloy



### Installation diagram



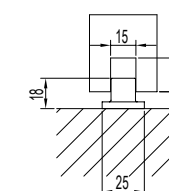
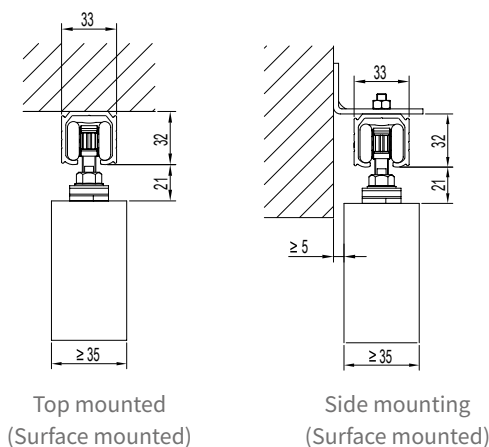
### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

### Calculation formula

DH=OH-63
FW=OW/2+50
DW=FW-55
TL=OW-5

### Installation Diagram for Hanging Rail and Hanging Wheel



Door bottom guide installation diagram

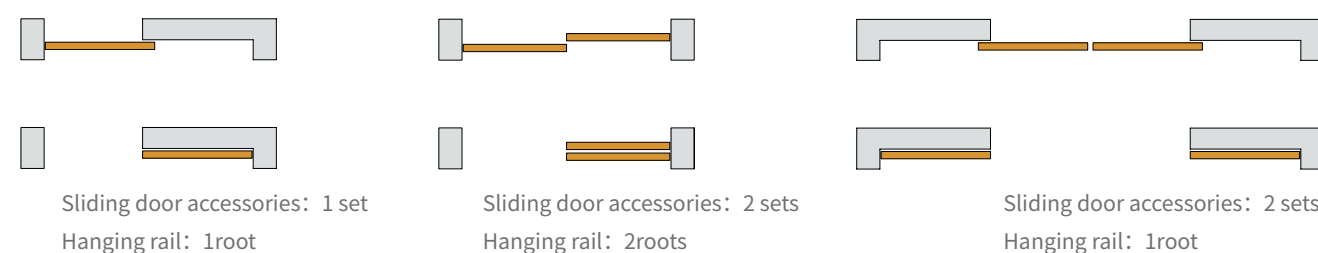
### Sliding door accessories (one door)

Model	Accessories name	Accessories picture	Quantity
KYN8310B	Hanging wheel assembly		2PCS
	Positioning parts		2PCS
	Door bottom guide		1PCS

### Matching hanging rail

Model	Picture	Dimensions	Remark
KYN91005			The quantity is determined according to the configuration of the door sash The length is calculated according to the width of the door opening and needs to be ordered separately

### Common configuration type



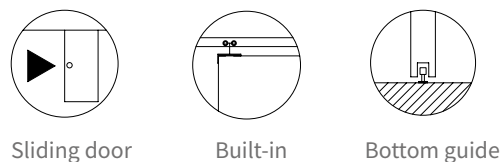
### Supporting products (Optional)

Concealed handle or sliding door lock	1 set (refer P237-239/P191-192 for details)
Hanging rail side installation assembly(KYN97001)	The quantity is determined according to the length of the hanging rail (refer P286 for details)

## wooden sliding door accessories KYN5220A

Applicable maximum door weight 80Kg

### Sliding door function diagram

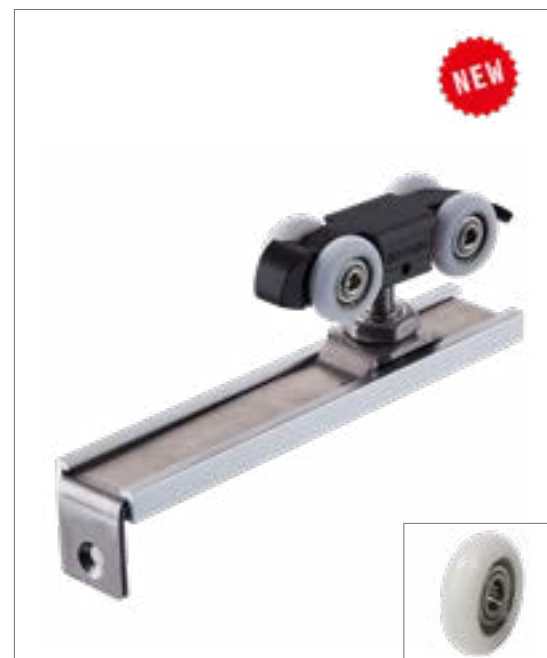


### Technical Parameters

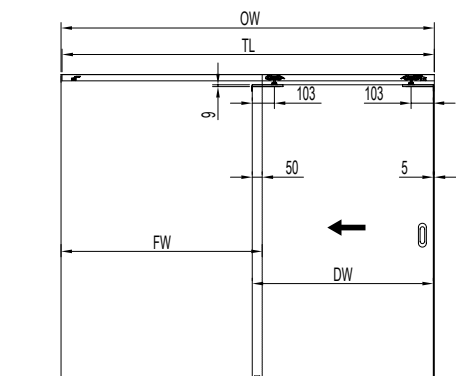
Applicable door weight	≤80Kg
Applicable door thickness	≥35mm
Applicable door height	≤2400mm
Height adjustment	±5mm
Applicable door type	Wooden door

### Main Material

Hanging wheel main body	Zinc alloy
Side mounting bracket	Stainless steel
Fixed plate	Aluminum alloy
Door bottom guide	304stainless steel+POM
Hanging rail	Aluminum alloy



### Installation diagram



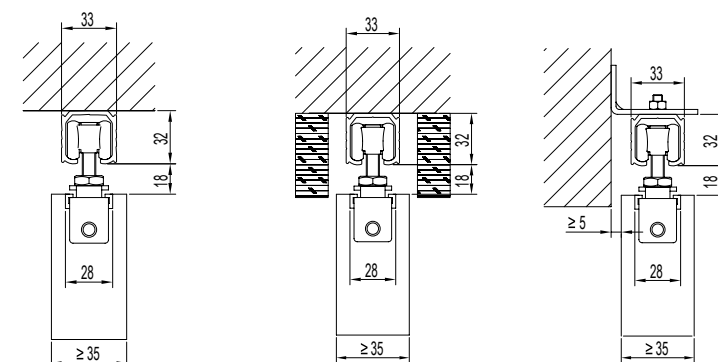
### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

### Calculation formula

DH=OH-60 (Door slotted)
DH=OH-69 (Door sash are not slotted)
FW=OW/2+50
DW=FW-55
TL=OW-5

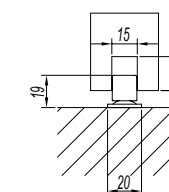
### Installation Diagram for Hanging Rail and Hanging Wheel



Top mounted (Surface mounted)

Top mounted (Concealed)

Side mounting (Surface mounted)



Door bottom guide installation diagram

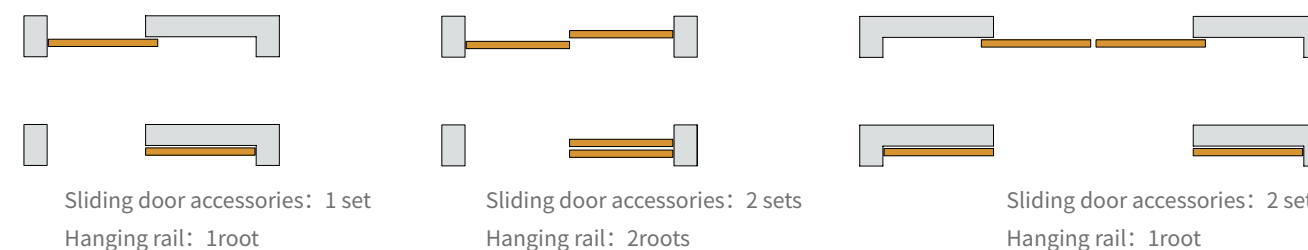
### Sliding door accessories (one door)

Model	Accessories name	Accessories picture	Quantity
KYN5220A	Hanging wheel assembly		2PCS
	Positioning parts		2PCS
	Door bottom guide		1PCS

### Matching hanging rail

Model	Picture	Dimensions	Remark
KYN91005			The quantity is determined according to the configuration of the door sash The length is calculated according to the width of the door opening and needs to be ordered separately

### Common configuration type



Sliding door accessories: 1 set  
Hanging rail: 1root

Sliding door accessories: 2 sets  
Hanging rail: 2roots

Sliding door accessories: 2 sets  
Hanging rail: 1root

### Supporting products (Optional)

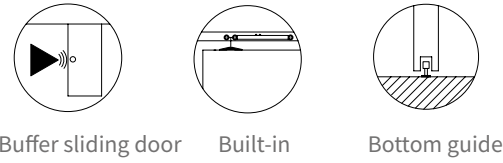
Concealed handle or sliding door lock  
Hanging rail side installation assembly (KYN97001)  
length of the hanging rail (refer P286 for details)

1 set (refer P237-239/P191-192 for details)  
The quantity is determined according to the

## Wood/Metal Frame Buffer Sliding Door Accessories KYN8210HB

Applicable maximum door weight 80Kg

### Sliding door function diagram



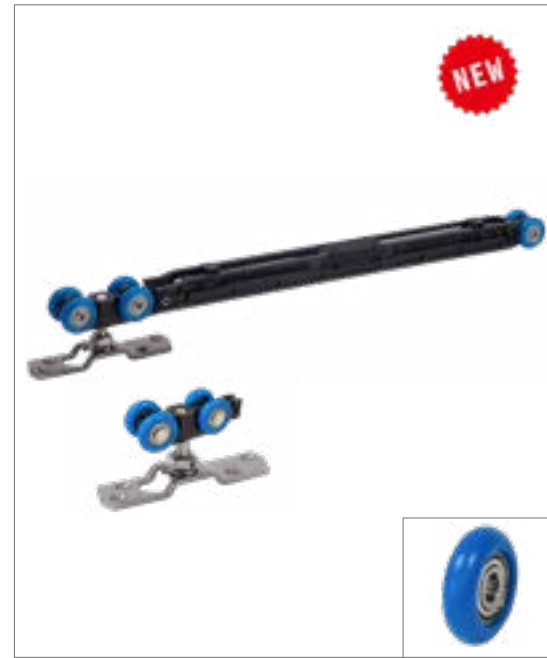
Buffer sliding door    Built-in    Bottom guide

### Technical Parameters

Applicable door weight	≤80Kg
Applicable door thickness	≥30mm
Applicable door width	≥520mm
Applicable door height	≤2400mm
Height adjustment	±3mm
Buffer type	Two-way buffering
Applicable door type	Wooden door Aluminum frame door Metal frame door

### Main Material

Hanging wheel main body	Zinc alloy
Hanging plate	304stainless steel
Door bottom guide	Nylon
Hanging rail	Aluminum alloy



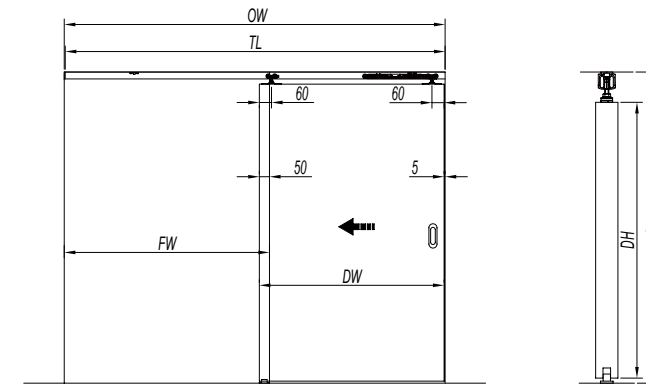
### Sliding door accessories (one door)

Model	Accessories name	Accessories picture	Quantity
KYN8210HB	Buffer hanging wheel assembly		1PCS
	Hanging wheel assembly		1PCS
	Buffer block		2PCS
	Door bottom guide		1PCS

### Matching hanging rail

Model	Picture	Dimensions	Remark
KYN91013			The quantity is determined according to the configuration of the door sash The length is calculated according to the width of the door opening and needs to be ordered separately

### Installation diagram



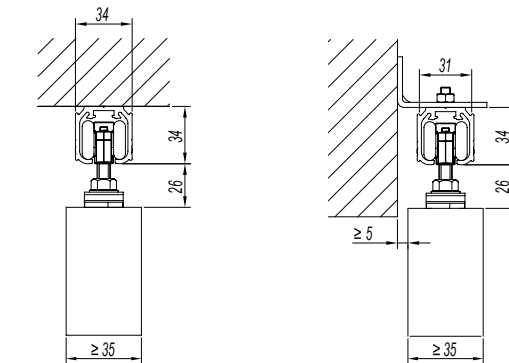
### Dimension definition

Door sash width	DW
Door opening width	OW
Fixed sash width	FW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

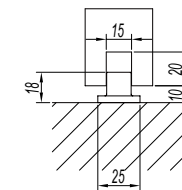
### Calculation formula

DH=OH-70
FW=OW/2+50
DW=FW-55
TL=OW-5

### Installation Diagram for Hanging Rail and Hanging Wheel



Top mounted (Surface mounted)      Side mounting (Surface mounted)



Door bottom guide installation diagram

### Common configuration type



### Supporting products (Optional)

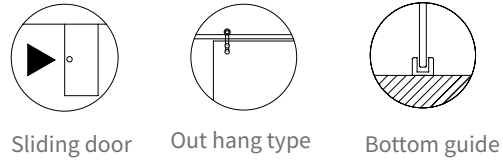
Concealed handle or sliding door lock	1 set (refer P237-239/P191-192 for details)
Hanging rail side installation assembly( KYN97001)	The quantity is determined according to the length of the hanging rail (refer P286 for details)



## Standard glass sliding door KYW13010

Applicable maximum door weight 100Kg

### Sliding door function diagram

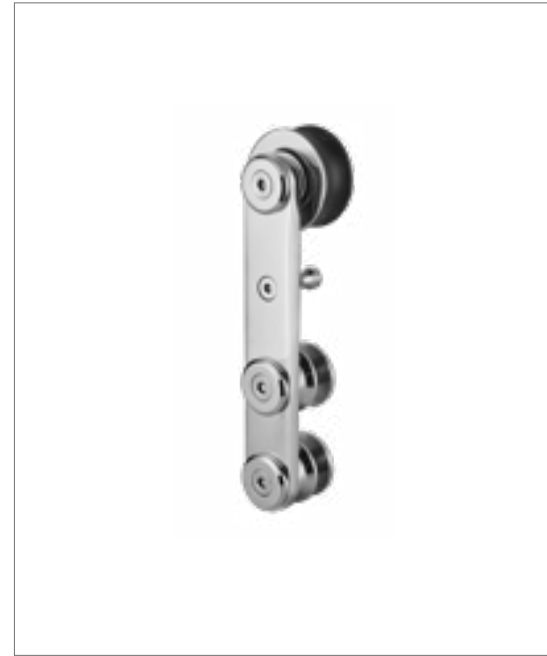


### Technical Parameters

Applicable door weight	≤100Kg
Applicable door thickness	10-15mm
Applicable door width	600~1200mm
Applicable door height	≤2500mm
Height adjustment	±3mm
Applicable door type	Glass door

### Main Material

Hanging wheel body	304 stainless steel
Door bottom guide	304 stainless steel
Hanging rail	304 stainless steel



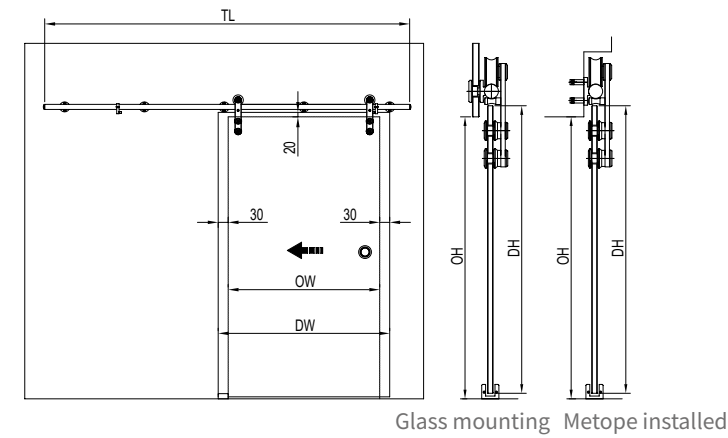
### Standard configuration (Single door)

Model	Accessories name	Accessories picture	Quantity
KYW13010	Hanging rail		2pcs
	Door bottom guide		1pcs
KYW91001 (Including limit piece)	Hanging rail support (Wall mounting)		1pcs
KYW91002 (Including limit piece)	Hanging rail support (Glass surface installation)		1pcs

Hanging rail length	2000mm	2500mm	3000mm	4000mm	5000mm
single door	√	√	--	--	--
double doors	--	--	√	√	√

Note: The length of the hanging rail is shipped in accordance with the standard length of the attached table

### Installation diagram



### Dimension definition

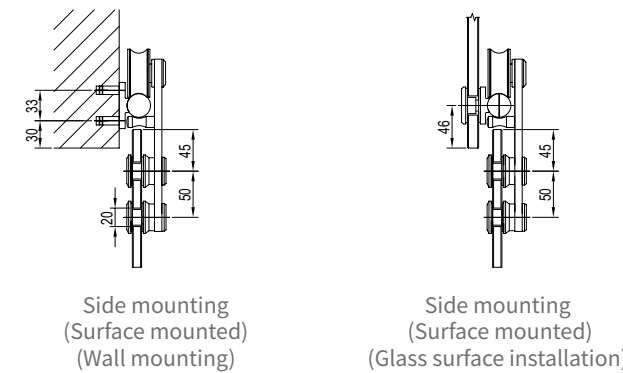
Door sash width	DW
Door opening width	OW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

### Calculation formula (single door)

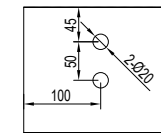
$$DH = OH + 10$$

$$DW = OW + 60$$

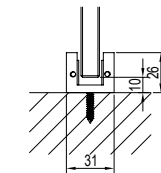
### Installation Diagram for Hanging Rail and Hanging Wheel



### Glass cut out drawing

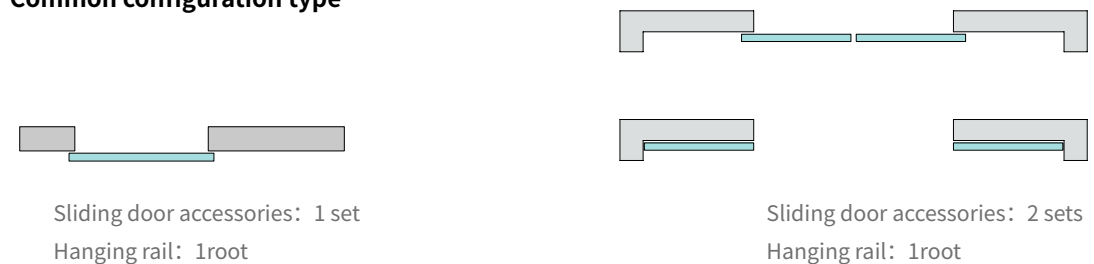


### Door bottom guide installation diagram



Standard configuration

### Common configuration type



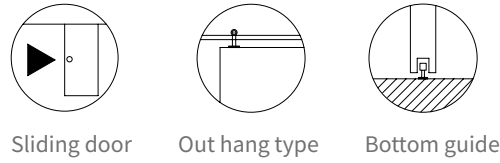
### Supporting products (Optional)

Concealed handle or sliding door lock 1 set (refer P236/181-182 for details)

## Standard wooden sliding door KYW53010

Applicable maximum door weight 100Kg

### Sliding door function diagram



Sliding door    Out hang type    Bottom guide

### Technical Parameters

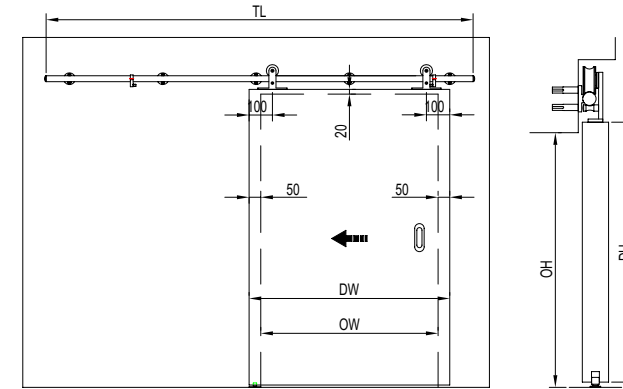
Applicable door weight	≤ 100Kg
Applicable door thickness	35-50mm
Applicable door width	600~1200mm
Applicable door height	≤ 2400mm
Applicable door type	Wooden door

### Main Material and Surface Finish

Hanging wheel body	304 stainless steel
Door bottom guide	304 stainless steel+ POM
Hanging rail	304 stainless steel



### Installation diagram



### Dimension definition

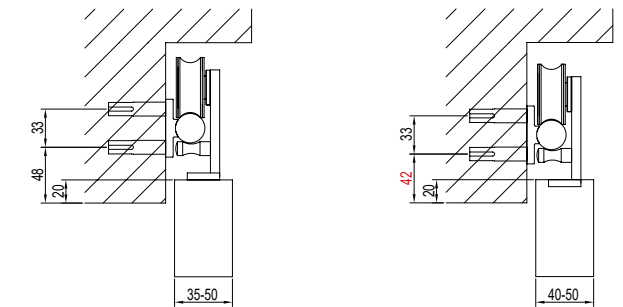
Door sash width	DW
Door opening width	OW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

### Calculation formula (single door)

$$DH = OH + 10$$

$$OW = DW + 100$$

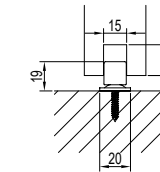
### Installation Diagram for Hanging Rail and Hanging Wheel



Side mounting  
(Surface mounted)  
(Wall / Door leaves are not slotted)

Side mounting  
(Surface mounted)  
(Wall / Door Slotted)

### Door bottom guide installation diagram



Standard configuration

### Standard configuration (Single door)

Model	Accessories name	Accessories picture	Quantity
KYW53010	Hanging wheel assembly		2pcs
	Door bottom guide		1pcs
KYW91001 (Including limit piece)	Hanging rail		1pcs

Hanging rail length	2000mm	2500mm	3000mm	4000mm	5000mm
Single door	√	√	--	--	--
Double doors	--	--	√	√	√

Note: The length of the hanging rail is shipped in accordance with the standard length of the attached table

### Common configuration type



Sliding door accessories: 1 set  
Hanging rail: 1root

Sliding door accessories: 2 sets  
Hanging rail: 1root

### Supporting products (Optional)

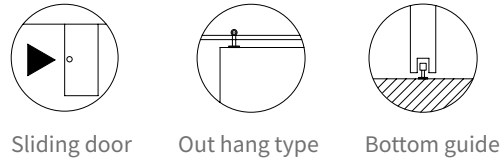
Concealed handle or sliding door lock

1 set (refer P237-239/P191-192 for details)

## Standard wooden sliding door KYW5430B

Applicable maximum door weight 100Kg

### Sliding door function diagram



### Technical Parameters

Applicable door weight	≤100Kg
Applicable door thickness	35-55mm
Applicable door width	600~1200mm
Applicable door height	≤2500mm
Applicable door type	Wooden door
Hanging rail included, for wall mounting installed only	

### Main Material and Surface Finish

Hanger body	High quality carbon steel
Door bottom guide	Nylon
Hanging rail	High-quality carbon steel
Hanging rail support	High-quality carbon steel

### Standard configuration (Single door)

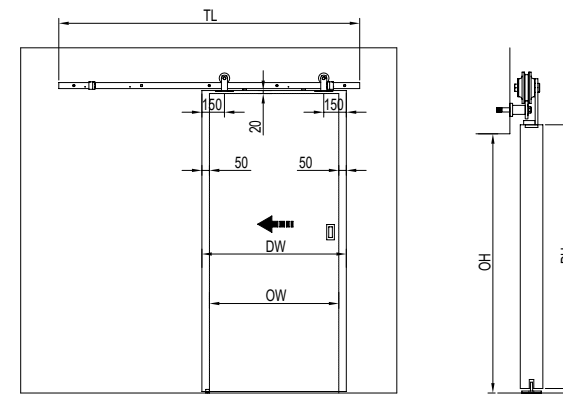
Model	Accessories name	Accessories picture	Quantity
KYW5430B	Hanging wheel assembly		2PCS
	Positioning parts		2PCS
	Door bottom guide		1PCS
	Anti-jumper		2PCS
	Hanging rail support		/
	Hanging rail		1PCS

Hanging rail length	2000mm	2500mm	3000mm	4000mm	5000mm
Single door	√	√	--	--	--
Double doors	--	--	√	√	√

Note: The length of the hanging rail is shipped in accordance with the standard length of the attached table



### Installation diagram



### Dimension definition

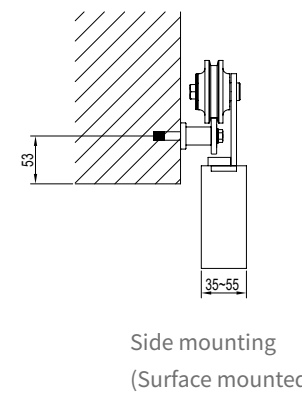
Door sash width	DW
Door opening width	OW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

### Calculation formula (single door)

$$DH = OH + 10$$

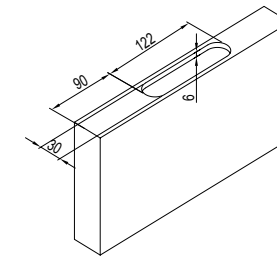
$$OW = DW + 100$$

### Installation Diagram for Hanging Rail and Hanging Wheel

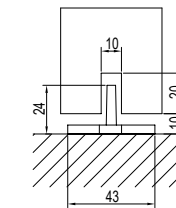


Side mounting  
(Surface mounted)

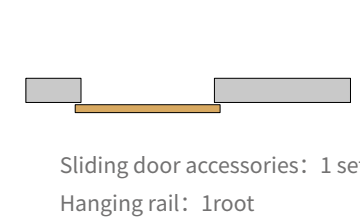
### Slotting diagram of hanging wheel assembly



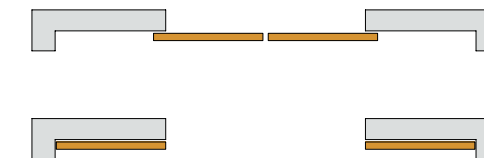
### Door bottom guide installation diagram



### Common configuration type



Sliding door accessories: 1 set  
Hanging rail: 1root



Sliding door accessories: 2 sets  
Hanging rail: 1root

### Supporting products (Optional)

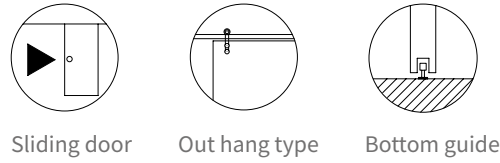
Concealed handle or sliding door lock

1 set (refer P237-239/P191-192 for details)

## Standard wooden sliding door KYW5550B

Applicable maximum door weight 150Kg

### Sliding door function diagram



Sliding door    Out hang type    Bottom guide

### Technical Parameters

Applicable door weight	≤150Kg
Applicable door thickness	35-40mm
Applicable door width	600~1200mm
Applicable door height	≤2700mm
Applicable door type	Wooden door
Hanging rail included, for wall mounting installed only	

### Main Material and Surface Finish

Hanger body	High quality carbon steel
Door bottom guide fitting	Nylon
Hanging rail	High-quality carbon steel
Hanging rail support	High-quality carbon steel

### Standard configuration (Single door)

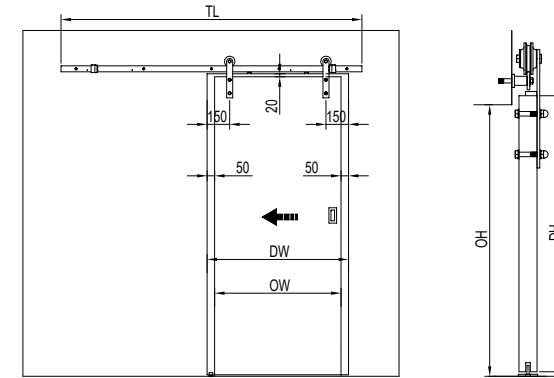
Model	Accessories name	Accessories picture	Quantity
KYW5550B	Hanging wheel assembly		2pcs
	Positioning parts		2pcs
	Door bottom guide		1pcs
	Anti-jumper		2pcs
	Hanging rail support		/
	Hanging rail		1pcs

Hanging rail length	2000mm	2500mm	3000mm	4000mm	5000mm
Single door	√	√	--	--	--
Double doors	--	--	√	√	√

Note: The length of the hanging rail is shipped in accordance with the standard length of the attached table



### Installation diagram



### Dimension definition

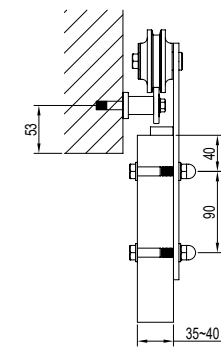
Door sash width	DW
Door opening width	OW
Door sash height	DH
Door opening height	OH
Hanging rail length	TL

### Calculation formula (single door)

$$DH = OH + 10$$

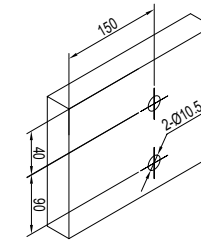
$$OW = DW + 100$$

### Installation Diagram for Hanging Rail and Hanging Wheel

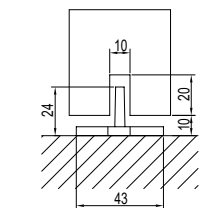


Side mounting  
(Surface mounted)

### Slotting diagram of hanging wheel assembly



### Door bottom guide installation diagram



Standard configuration

### Common configuration type



Sliding door accessories: 1 set  
Hanging rail: 1root


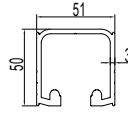

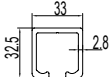

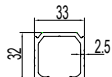

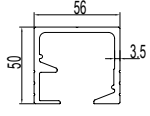

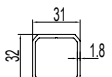

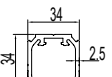
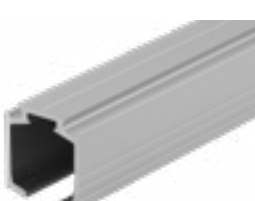
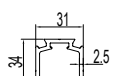

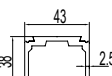
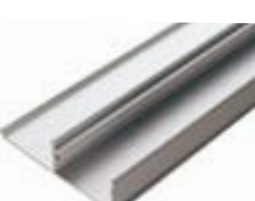
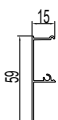
Sliding door accessories: 2 sets  
Hanging rail: 1root

### Supporting products (Optional)

Concealed handle or sliding door lock

1 set (refer P237-239/P191-192 for details)

## Hanging rail series

<p>KYN91002 Hanging rail</p>  	<p>KYN91004 Hanging rail</p>  	<p>KYN91005 Hanging rail</p>  
<p>KYN91008 Hanging rail</p>  	<p>KYN91012 Hanging rail</p>  	<p>KYN91013 Hanging rail</p>  
<p>KYN91015 Hanging rail</p>  	<p>KYN52501 Hanging rail</p>  	<p>KYN52207 Decorative plate</p>  

## Supporting products

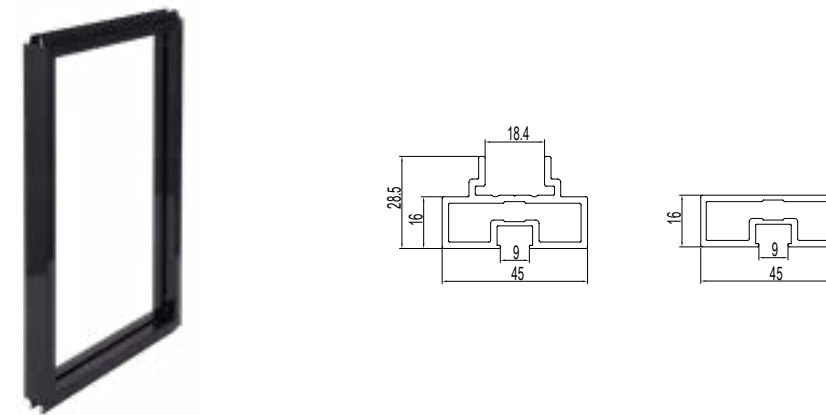
### KYN97001 Hanging rail side installation assembly



#### Technical Parameters

Main Material : S.S 304  
Surface Finish: Satin

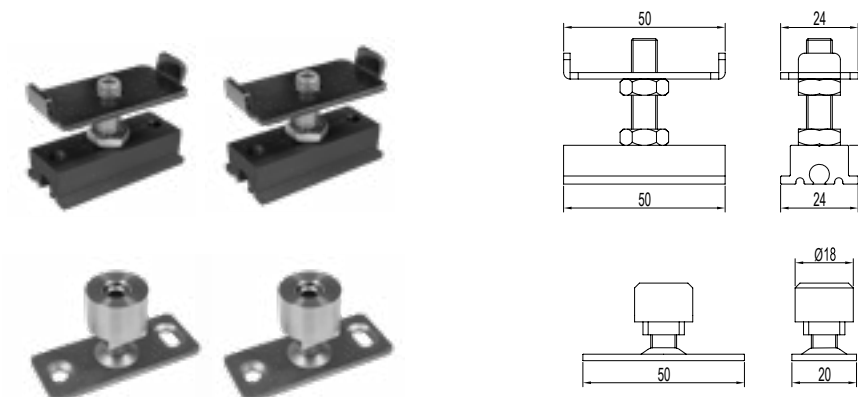
### KYN97004 Narrow frame door components



#### Technical Parameters

Main Material: Aluminum alloy  
Surface Finish: Electrophoretic Bright Black  
Applicable glass thickness: ≤8mm

### KYN97005 Narrow frame fixed sash accessories



#### Technical Parameters

Main Material: 304+Aluminum alloy  
Surface treatment: electrophoresis + natural color  
Suitable for narrow frame sliding door fixed sash  
Install on the horizontal frame (both upper and lower bars) of narrow frame door.

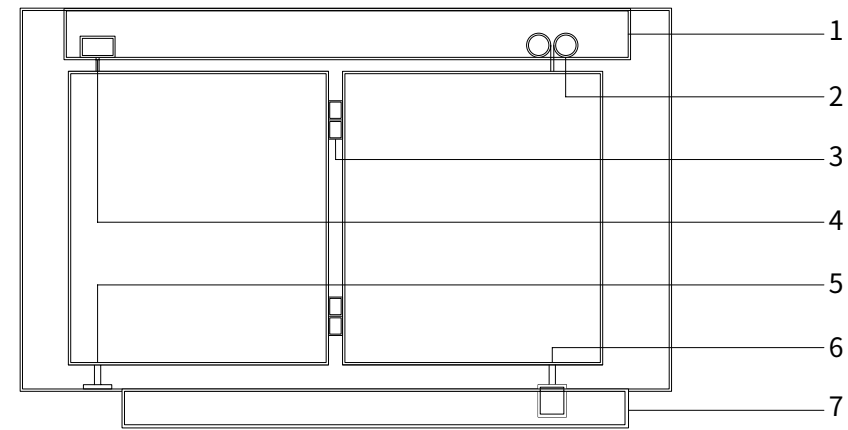


# 09

## Folding door system

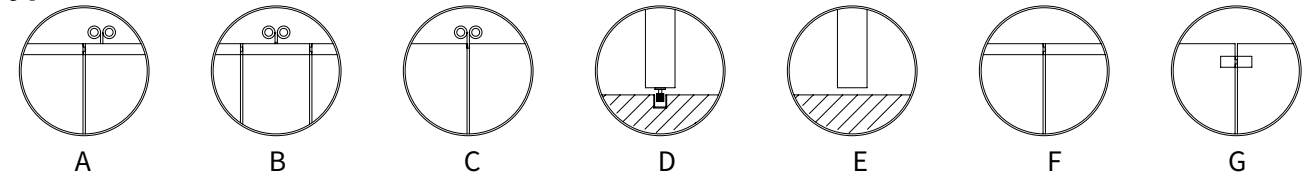


### Noun definition



- 1-Hanging Rail  
Used in conjunction with hanging wheels to guide the running direction of the door sash
- 2-Hanging wheel assembly  
Folding door operation and load-bearing components, usually composed of pulleys, bodies, fixing plates or Glass door patches
- 3-Fold Hinge  
Accessories for connecting adjacent folding sash to achieve the folding of door leaves
- 4-Upper mounting  
The load-bearing accessory of the first door of the folding door is fixed in the hanging rail and cooperates with the lower fixing seat to realize the rotation of the door sash
- 5-Lower mounting  
The running accessory of the first door of the folding door is fixed on the ground and cooperates with the upper fixing seat to realize the rotation of the door sash
- 6-Door bottom guide fitting  
Installed at the bottom of the door sash, used to reduce the swing of the folding door during operation, and at the same time prevent falling angle7-7-7-
- 7-Bottom guide rail  
Installed on the ground, used in conjunction with door bottom guides to guide the running direction of the door sash

### Type definition

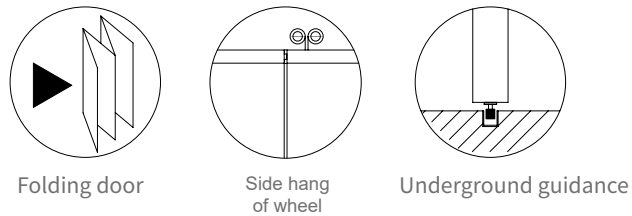


- A-Hanging wheel offset  
Installed at a distance from the end of the door sash
- B-Hanging wheel center  
Installed in the middle of the door sash
- C-Hanging wheel side  
Installed on the side of the door sash
- D-Underground guidance  
Need to be equipped with a Bottom guide rail, the floor needs to be slotted, used with the door bottom guide
- E-No bottom orientation  
No need to be equipped with Bottom guide rail, no need to groove on the floor, no door bottom guide
- F-Long clip  
The door clip of the glass folding door is a long clip style
- G-Short clip  
The door patch of glass folding door is short patch style

## Glass folding door KZD11 series

Applicable maximum door weight 60Kg

### Sliding door function diagram



### Functions&Characteristics

Suitable for multiple one-way or two-way Glass folding doors  
 Suitable for commercial and public areas  
 Open the foldable door to the side against the wall, and close the extendable door as an indoor screen  
 Parallel curved concave design at the bottom of the hanging rail, no shaking during sliding, self-guided  
 Bottom guide rail keeps door sash stable in sliding and standing state  
 Pulley with high toughness, self-lubricating functions and mute vibration reduction  
 Horizontal guide wheels effectively prevent door leaves from falling off  
 Height adjustable  $\pm 3$ mm, horizontal adjustable  $\pm 3$ mm, eliminating some site tolerance  
 The standard configuration can only be opened and closed indoors.  
 When outdoor opening and closing is required, increase the casement Sash

**This series with Bottom guide rail**  
**Glass needs opening hole**

### Technical Parameters

Applicable maximum door weight	60Kg
Applicable door thickness	10~12 mm
Applicable door width	600~800mm
Applicable door height	$\leq 2400$ mm

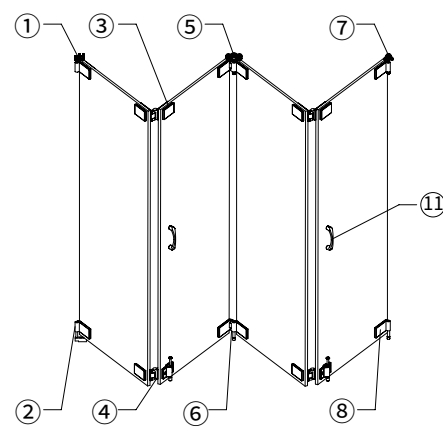
### Main materials and surface treatment

Hanging rail	Aluminum alloy (anodized, silver white)
Bottom guide rail	Aluminum alloy (anodized, silver white)
Fixed patch	Aluminum alloy (anodized, silver white), 304 stainless steel (natural color)
Folding Hinge	Aluminum alloy (anodized, silver white)
Folding hinge with wheel	Aluminum alloy (anodized, silver white), 304 stainless steel (natural color)
Glass door patch	Aluminum alloy (anodized, silver white), 304 stainless steel (natural color)
Pulley	Bearing GCr15 (natural color) + POM (white)

### Accessory details



### Configuration schematic

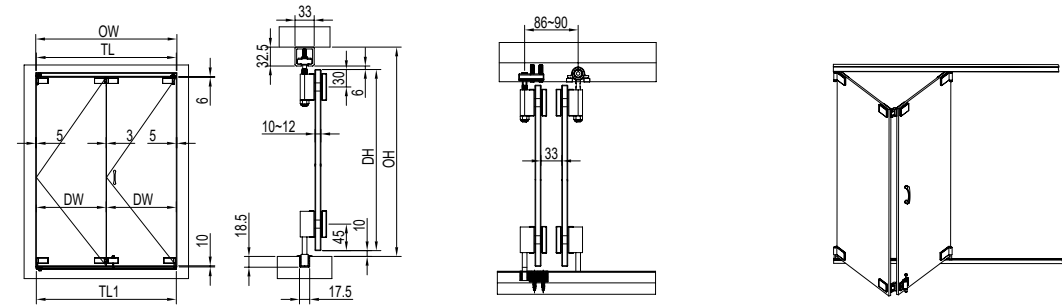


### Option

Hanging rail (**Necessary Accessories**) Model number KYN91004 (See P285)  
 Bottom guide rail Model number KYN92003  
 Handle Model number KLS45001 (See P235)

### Schematic diagram of typical configuration types

#### One-way glass folding door



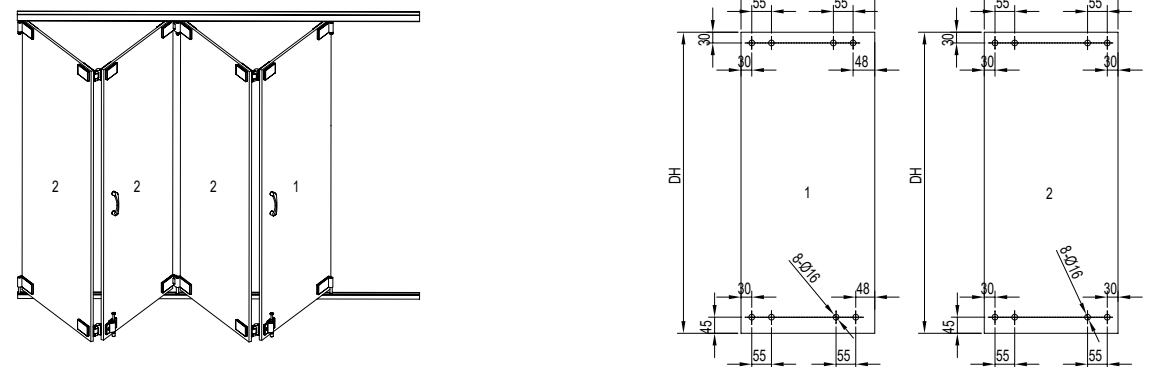
Product Model	KZD11200	KZD11400
Applicable door type	2 Sash one-way folding	4 Sash one-way folding
Schematic diagram		

#### Two-way glass folding door



Product Model	KZD11220	KZD11440
Applicable door type	4 Sash two-way folding	8 Sash two-way folding
Schematic diagram		

### Drilling diagram for one-way/ two-way folding glass door



### Dimension definition

Doorway Height	OH	Door sash width	DW
Doorway width	OW	Rail length	TL
Door sash height	DH	Bottom guide rail length	TL1

### Calculation formula

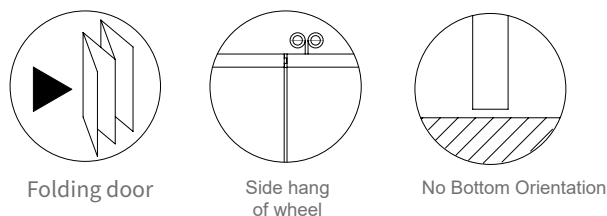
$$DH = OH - 48.5$$

$$TL = TL1 = OW - 5$$

## Glass folding door KZD21 series

Applicable maximum door weight 80Kg

### Sliding door function diagram



### Functions&Characteristics

- Suitable for multiple one-way or two-way Glass folding doors
- Suitable for commercial and public areas
- Open the foldable door to the side against the wall, and close the extendable door as an indoor screen
- Good permeability and can bring excellent lighting effects
- Universal caster design, push and pull light, smooth and ultra quiet
- Pulley with high toughness, self-lubricating functions and mute vibration reduction
- Hinge through-shaft design to prevent Hinges from falling off
- Hinge parts are made of 304 stainless steel for improved robustness and corrosion resistance
- Height adjustable  $\pm 4$ mm, eliminating some site to larence **This series does not have a lower guide slot, so there is no need to make a slot in the ground**
- No openings hole required for glass**

### Technical Parameters

Applicable maximum door weight	80Kg
Applicable door thickness	10、 12 mm
Applicable door width	600~800mm
Applicable door height	$\leq 2600$ mm

### Main materials and surface treatment

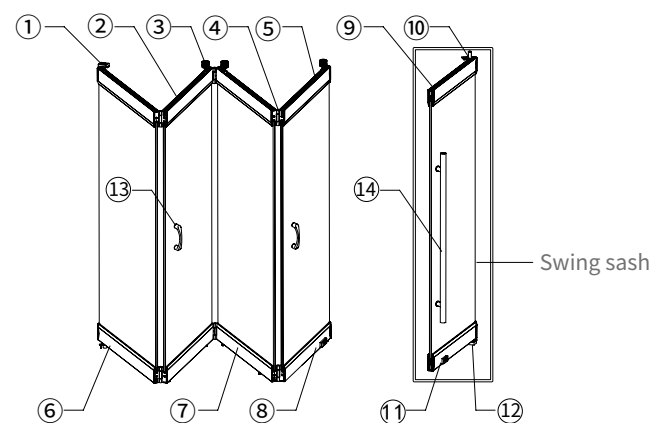
Hanging rail	Aluminum alloy (anodized, silver white)
Mounting	304 stainless steel (natural color)
Glass door patch	Aluminum alloy (anodized, silver white)
Universal wheel assembly	304 stainless steel (natural color)
Hinge	Stainless steel(Spray paint, black)
Pulley	Bearing GCr15 (natural color) + POM (white)

### Option

Hanging rail (Necessary Accessories)	Model number KYN91008 (See P285)
Handle	Model number KLS45001 (See P235)
Floor Hinge	Optional, order separately



### Configuration schematic



### Configuration instructions:

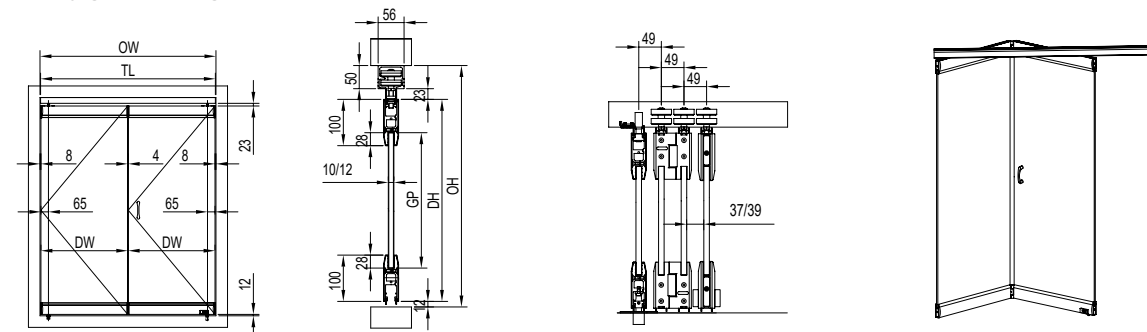
Swing sash is not included in the standard configuration. Swing sash accessories must be ordered separately

### Accessory details

Item	Product Name	Item	Product Name
1	Mounting	9	Swing sash upper patch
2	Middle Upper patch	10	Mounting
3	Universal wheel assembly	11	Bottom patch with lock(swing sash)
4	Connectting Hinge	12	Floor Hinge
5	Upper patch	13	Handle
6	Bottom patch	14	Stainless steel handle(Big)
7	Middle bottom patch	15	Hanging rail
8	Bottom patch with lock		

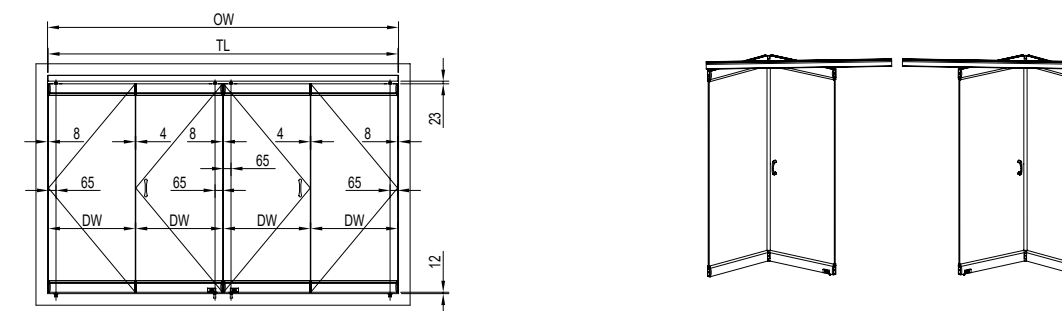
### Schematic diagram of typical configuration types

#### One-way glass folding door



Product Model	KZD21200	KZD21400
Applicable door type	2 Sash one-way folding	4 Sash one-way folding
Schematic diagram		

#### Two-way glass folding doors



Product Model	KZD21220	KZD21420
Applicable door type	4 Sash two-way folding	6 Sash two-way folding
Schematic diagram		

### Dimension definition

Door sash height	DH
Doorway height	OH
Door sash width	DW
Glass door height	GP
Doorway width	OW
Rail length	TL

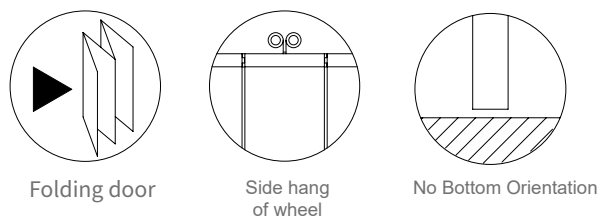
### Calculation formula

$$GP=OH-229$$

## Glass folding door KZD22 series

Applicable maximum door weight 80Kg

### Sliding door function diagram



### Functions&Characteristics

- Suitable for multiple one-way or two-way Glass folding doors
- Suitable for commercial and public areas
- Open the foldable door to the side against the wall, and close the extendable door as an indoor screen
- Good permeability and can bring excellent lighting effects
- Universal caster design, push and pull light, smooth and ultra quiet
- Pulley with high toughness, self-lubricating functions and mute vibration reduction
- Hinge through-shaft design to prevent Hinges from falling off
- Hinge parts are made of 304 stainless steel for improved robustness and corrosion resistance
- Height adjustable  $\pm 4$ mm, eliminating some site to lerance
- This series does not have a lower guide slot, so there is no need to make a slot in the ground**
- No openings hole required for glass**

### Technical Parameters

- Applicable maximum door weight 80Kg
- Applicable door thickness 10、12 mm
- Applicable door width 600~1000mm
- Applicable door height  $\leq 3000$ mm

### Main materials and surface treatment

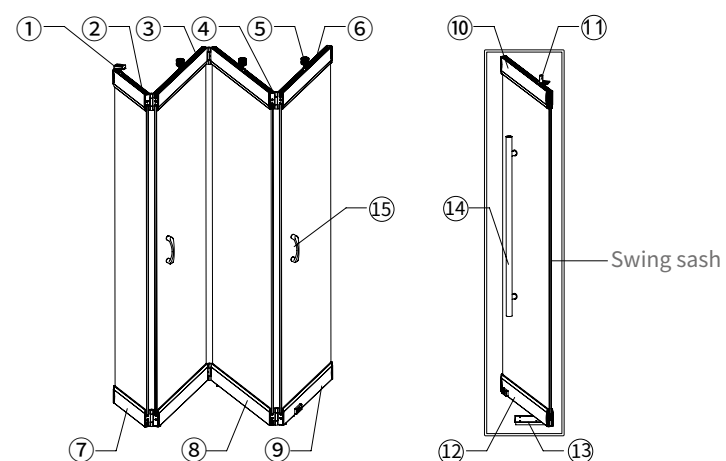
- Hanging rail Aluminum alloy (anodized, silver white)
- Mounting 304 stainless steel (natural color)
- Glass door patch Aluminum alloy (anodized, silver white)
- Universal wheel assembly 304 stainless steel (natural color)
- Hinge Stainless steel(Spray paint, black)
- Pulley Bearing GCr15 (natural color) + POM (white)

### Option

- Hanging rail (**Necessary Accessories**) Model number KYN91008 (See P285)
- Handle Model number KLS45001 (See P235)
- Floor Hinge Optional, order separately



### Configuration schematic



### Configuration instructions:

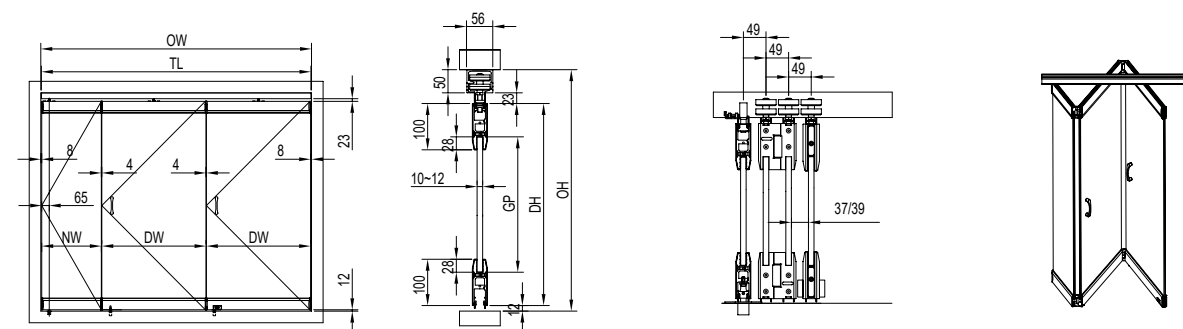
Swing sash is not included in the standard configuration. Swing sash accessories must be ordered separately

### Accessory details

Item	Product Name	Item	Product Name
1	Mounting	9	Bottom patch with lock
2	Upper-Patch for Narrow door	10	Swing sash upper patch
3	Middle Upper-patch	11	Mounting
4	Connecting Hinge	12	Bottom patch with lock(swing sash)
5	Universal wheel assembly	13	Floor Hinge
6	Upper patch	14	Stainless steel handle(Big)
7	Bottom-Patch for Narrow Door	15	handle
8	Middle bottom patch	16	Hanging rail

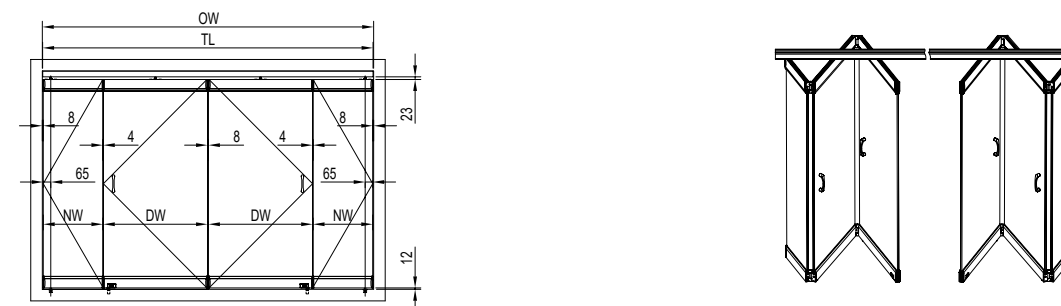
### Schematic diagram of typical configuration types

#### One-way glass folding door



Product Model	KZD22200	KZD2230L/R	KZD2240L/R	KZD2250L/R	KZD2260L/R
Applicable door type	2Sash one-way folding	3Sash one-way folding	4Sash one-way folding	5Sash one-way folding	6Sash one-way folding
Schematic diagram					

#### Two-way glass folding doors



Product Model	KZD22220	KZD22330	KZD22440	KZD22550	KZD22660
Applicable door type	4Sash two-way folding	6Sash two-way folding	8Sash two-way folding	10Sash two-way folding	12Sash two-way folding
Schematic diagram					

### Dimension definition

- Doorway height OH
- Doorway width OW
- Door sash height DH
- Door sash width DW
- Glass door height GP
- Narrow door sash width NW
- Rail length TL

### Calculation formula

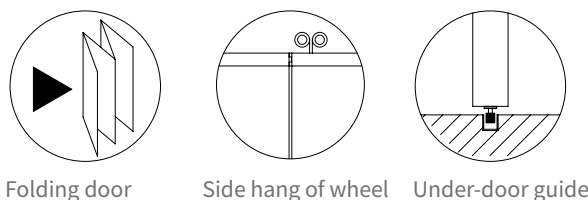
- $GP=OH-229$
- $NW=DW/2+65$



## Glass folding door KZD24 series

Applicable maximum door weight 80Kg

### Sliding door function diagram



### Functions&Characteristics

- Suitable for multiple one-way or two-way Glass folding doors
- Suitable for commercial and public areas
- Open the foldable door to the side against the wall, and close the extendable door as an indoor screen
- Parallel arc-shaped boss at the bottom of the hanging rail, which can be self-guided, self-cleaning and automatic compensation
- Bottom guide rail keeps door sash stable in sliding and standing state
- Pulley with high toughness, self-lubricating functions and mute vibration reduction
- Hinge parts are made of 304 stainless steel for improved robustness and corrosion resistance
- Hinge through-shaft design to prevent Hinges from falling off
- Height adjustable  $\pm 4$ mm, horizontal adjustable  $\pm 4$ mm, eliminating some site to larence
- The patch is a short patch style, standard size, installed on the left and right sides of the door sash.
- The size of the decorative cover can be customized according to the width of the door sash, or it can be cut by the customer

Glass needs opening hole

### Technical Parameters

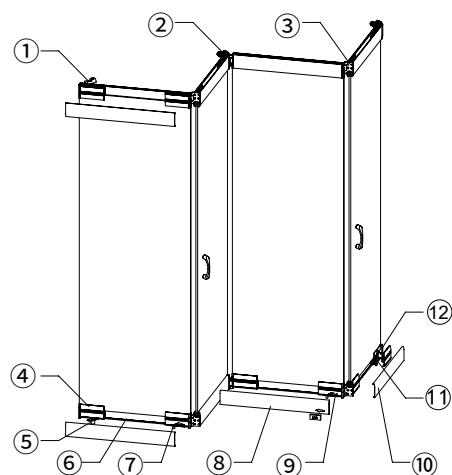
Applicable maximum door weight	80Kg
Applicable door thickness	10、12mm
Applicable door width	600~900mm
Applicable door height	$\leq 2800$ mm

### Main materials and surface treatment

Hanging rail	Aluminum alloy (anodized, silver white)
Bottom guide rail	Aluminum alloy (anodized, silver white)
Hanging wheel assembly	Stainless steel (natural color)
Hinge assembly	Stainless steel (matt)
Glass door patches	Aluminum alloy (anodized, silver white)
Decorative cover	Aluminum alloy (anodized, silver white)
Lower guide assembly	Stainless steel (natural color)
End cover assembly	Stainless steel (matt)
Pulley	Bearing GCr15 (natural color) + POM (white)



### Configuration schematic



### Option

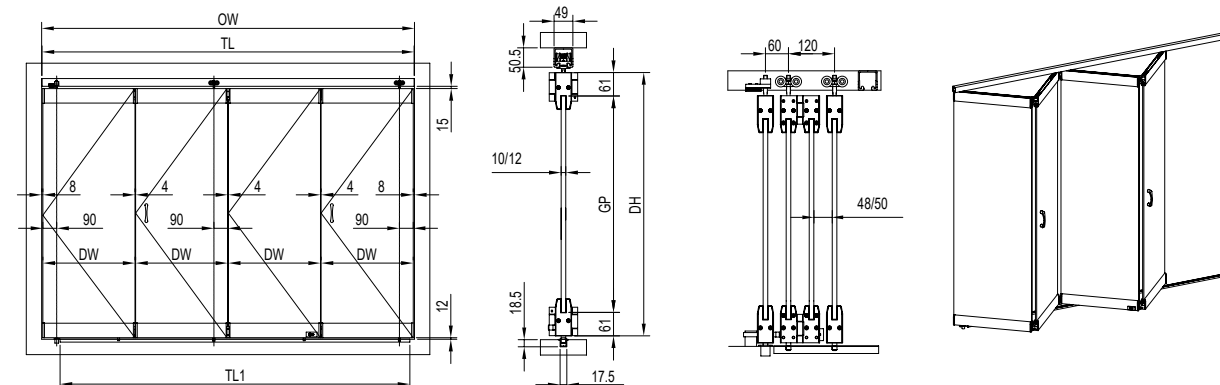
- Hanging rail (**Necessary Accessories**) Model number KYN91002 (See P285)
- Bottom guide rail Model number KYN92003
- Handle Model number KLS45001 (See P235)

### Accessory details



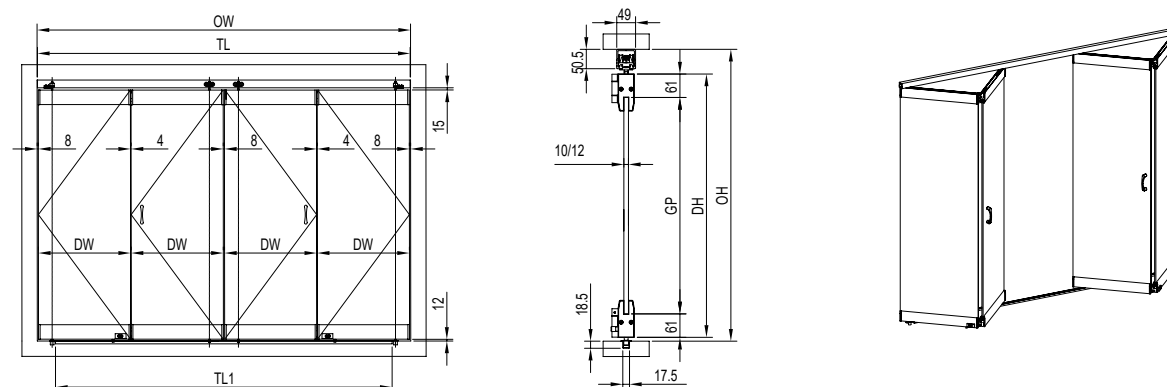
### Schematic diagram of typical configuration types

#### One-way glass folding door



Product Model	KZD24200	KZD2440L/R	KZD2460L/R
Applicable door type	2Sash one-way folding	4Sash one-way folding	6Sash one-way folding
Schematic diagram			

#### Two-way glass folding doors



Product Model	KZD24220	KZD2442L/R
Applicable door type	4Sash two-way folding	6Sash two-way folding
Schematic diagram		

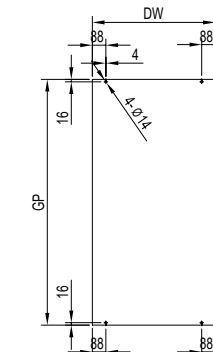
### Dimension definition

Doorway height	OH
Doorway width	OW
Door sash height	DH
Wide door sash width	DW
Glass door height	GP
Rail length	TL
Bottom guide rail length	TL1

### Calculation formula

GP=OH-200
TL=OW-5
TL1 (one-way opening) =OW-170
TL1 (two-way opening) =OW-340

### Opening Diagram of glass

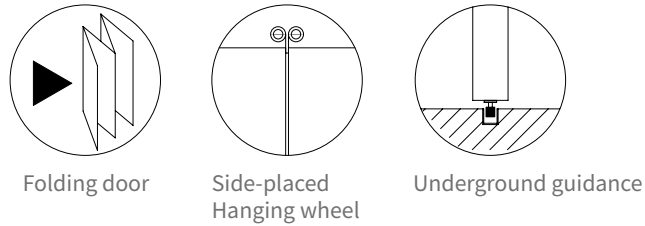




## Wooden folding doors KZD51 series

Applicable maximum door weight 75Kg

### Sliding door function diagram



### Functions&Characteristics

Suitable for multiple one-way or two-way wooden folding doors  
 Suitable for commercial and public areas  
 Eccentric structure design, suitable for door frame structures with and without notches  
 Open the foldable door to the side against the wall, and close the extendable door as an indoor screen  
 Parallel arc-shaped boss at the bottom of the hanging rail, which can be self-guided, self-cleaning and automatic compensation  
 Bottom guide rail keeps door sash stable in sliding and standing state  
 Pulley with high toughness, self-lubricating functions and mute vibration reduction  
 Horizontal guide wheels effectively prevent door leaves from falling off  
 Hinge through-shaft design to prevent Hinges from falling off  
 The main parts are made of 304 stainless steel, which improves the robustness and corrosion resistance  
 Height adjustable  $\pm 4$ mm, horizontal adjustable  $\pm 4$ mm, eliminating some site to lernace

### Technical Parameters

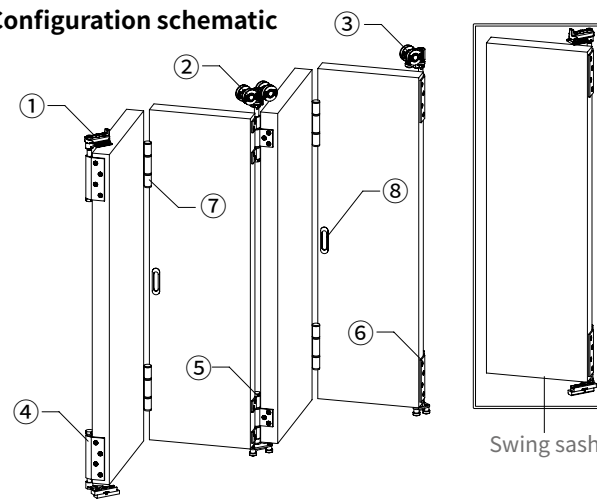
Applicable maximum door weight	75Kg
Applicable door thickness	40-50mm
Applicable door width	600-900mm
Applicable door height	$\leq 3300$ mm

### Main materials and surface treatment

Main parts	304 stainless steel (natural color)
Hinge	304 stainless steel (matt)
Hanging Rail	Aluminum alloy (anodized, silver white)
Bottom guide rail	Aluminum alloy (anodized, silver white)
Latch	304 (matt) zinc alloy (nickel plated)
Pulley	Bearing GCr15 (natural color) + POM (white)



### Configuration schematic



Configuration intructions:  
 1.Swing sash is not included in the standard configuration. Swing sash accessories must be ordered separately.  
 2.Door height  $\leq 2400$ mm, order according to the standard configuration product model.  
 3.Door height  $> 2400$ mm, add a hinge in the middle of the door sash (model KZD5120L-03, order separately).  
 4. Number of hinges = Number of one-way folding sash -1.

### Option

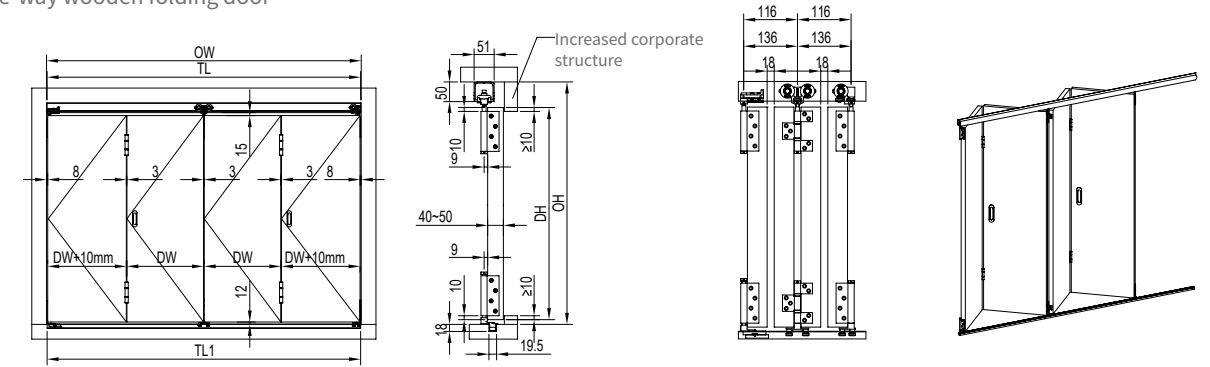
Hanging rail (Necessary Accessories)	Model number KYN91002 (See P285)
Bottom guide rail	Model number KYN92002
Concealed Handle	Model number KLS93505 (See P235)

### Accessory details



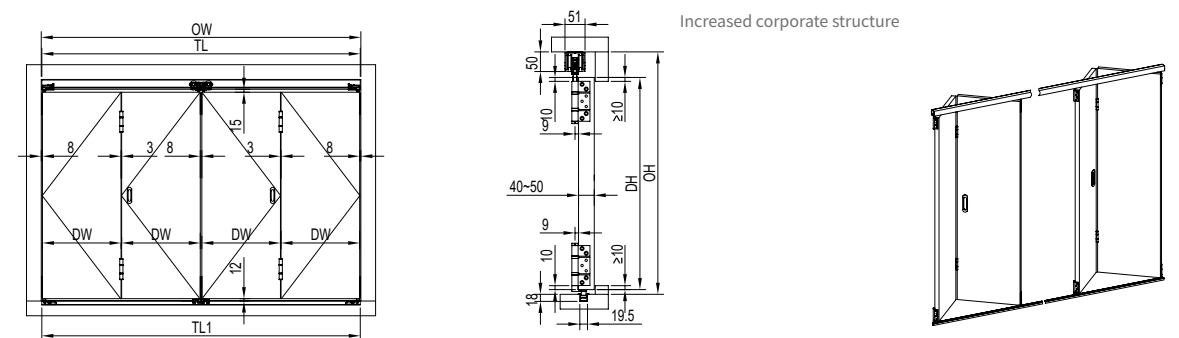
### Schematic diagram of typical configuration types

One-way wooden folding door



Product Model	KZD5120 L/R	KZD5130L/R	KZD5140L/R	KZD5150L/R	KZD5160L/R
Applicable door type	2Sash one-way folding	3Sash one-way folding	4Sash one-way folding	5Sash one-way folding	6Sash one-way folding
Schematic diagram					

two-way wooden folding doors



Product Model	KZD51220	KZD51330	KZD51440	KZD51550	KZD51660
Applicable door type	4Sash two-way folding	6Sash two-way folding	8Sash two-way folding	10Sash two-way folding	12Sash two-way folding
Schematic diagram					

### Dimension definition

Door sash height	DH
Doorway height	OH
Door sash width	DW
Doorway width	OW
Rail length	TL
Bottom guide rail length	TL1

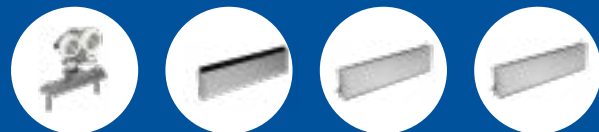
### Calculation formula

$$DH = OH - 77$$

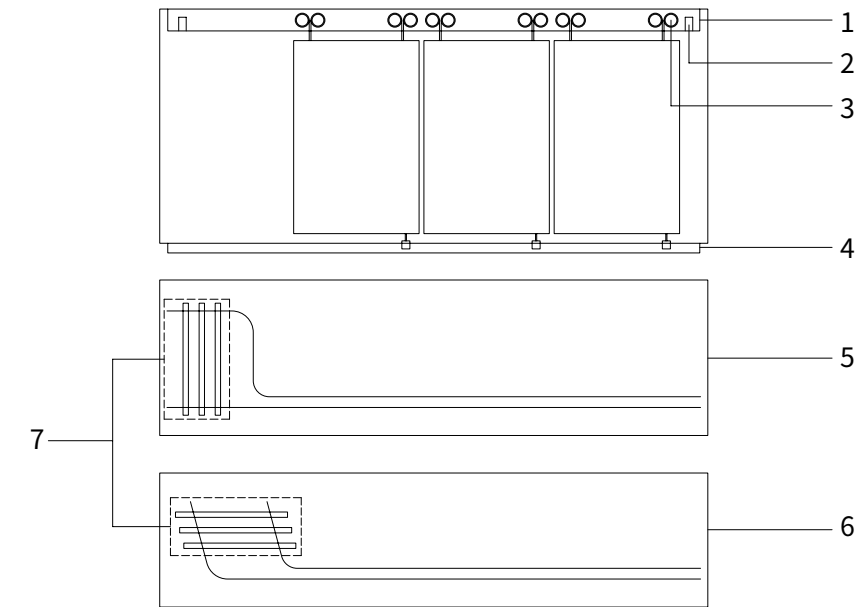
$$TL = TL1 = OW - 5$$

# 10

## Movable partition system



### Noun definition



#### 1-Hanging rail components

Use with hanging wheel to guide the running direction of movable sash

#### 2-Limit fittings

Limit pieces are accessories for limiting the travel of sliding doors, without positioning function

#### 3-Hanging wheel assembly

Mobile sash running and load-bearing components, usually composed of pulleys, bodies, connectors or galss patches

#### 4-Bottom guide rail

Used to reduce the swing of the movable sash during operation

#### 5-Vertical storage (H type)

The rear door of the movable sash is vertical to the hanging rail.

#### 6-Parallel storage (F type)

The rear door of the movable sash is parallel to the hanging rail.

#### 7-Storage area

Active sash stacking area

# Glass movable partition system KHD11/12 series

Applicable maximum door weight 125Kg

## Technical Parameters

- Suitable for unidirectional or bidirectional storage of wooden movable partitions
- Suitable for commercial and public areas
- Choose the corresponding vertical or parallel storage form according to the site environment
- Each door can slide independently to meet multiple conditions of application
- The hanging rail adopts the guidance and load separation and curved corner design, so that the complex movable sash can slide easily
- Configure the bottom guide rail to keep the door sash stable in sliding and standing state
- No bottom guide rail, beautiful floor, easy to clean
- Pulley with high tenacity, elasticity, self-lubricating functions and mutec vibration reduction
- Unilateral hanging wheel can make the movable sash automatically smooth corner
- The door sash connecting component is concealed design, the overall appearance is beautiful, the installation is convenient, and the adjustment is convenient
- Choose to configure the casement sash according to the needs of the use scenario and indoor layout



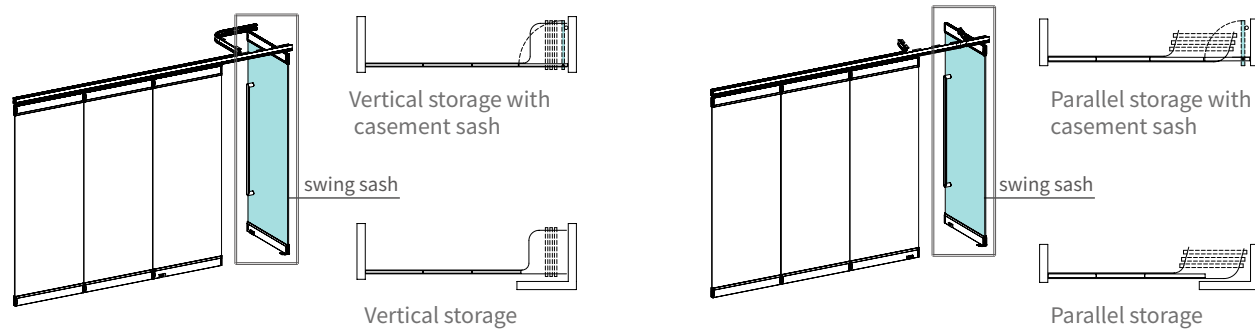
## Technical Parameters

- Applicable door weight 125Kg
- Applicable door thickness 10/12 mm
- Applicable door height ≤2500mm(without bottom guide rail) >2500mm(with bottom guide rail)
- Applicable door width 600-1200mm

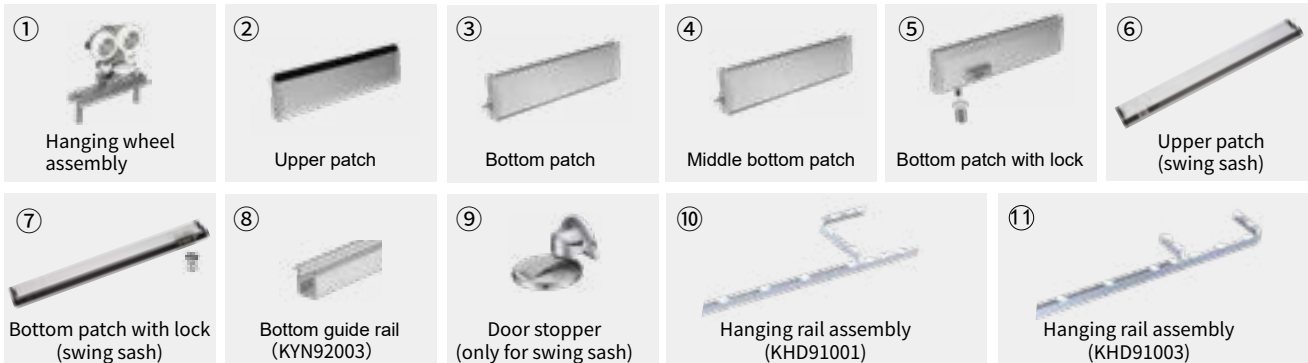
## Main materials and surface treatment

- Pulley Bearing GCr15 (natural color) + POM (white)
- Hanging wheel body 304 stainless steel (natural color)
- Glass patch Aluminum alloy (anodized, silver white)
- Positioning parts 304 stainless steel (natural color)
- Hanging rail Aluminum alloy (anodized, silver white)
- Bottom guide rail Aluminum alloy (anodized, silver white)

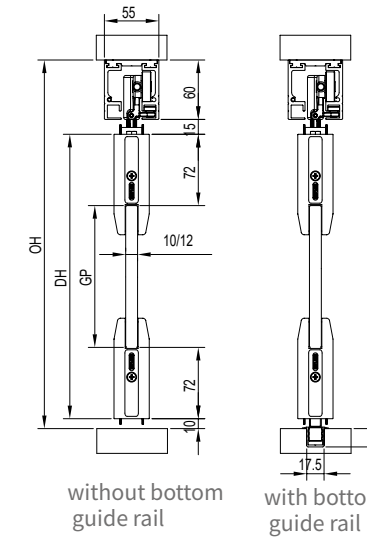
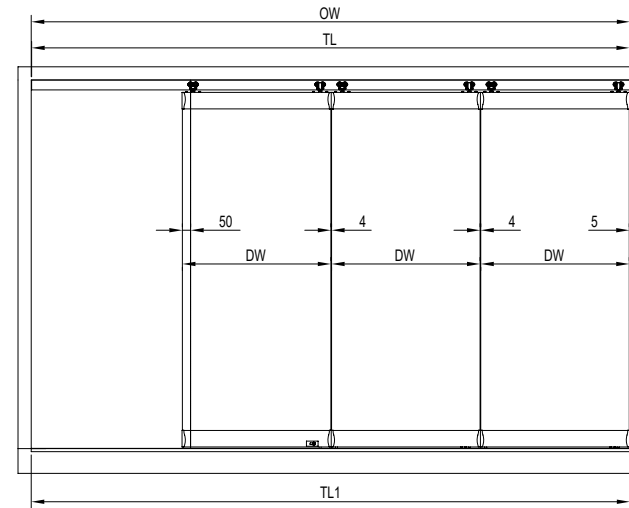
## Configuration schematic



## Accessory details



## Schematic diagram of typical configuration types



## Dimension definition

- Doorway height OH
- Doorway width OW
- Door sash width DW
- Door sash height DH
- Glass door height GP
- Hanging rail length TL
- Bottom guide rail length TL1

## Calculation formula

$DH = OH - 85$   
 $GP = OH - 230$   
 TL is depended on the actual situation

## H type without bottom guide rail configuration

Model	Door sash quantity	Diagram
KHD1130H	3 sash	(A)(B)(C)
KHD1140H	4 sash	(A)(B)(B)(C)
KHD1150H	5 sash	(A)(B)(B)(B)(C)
KHD1160H	6 sash	(A)(B)(B)(B)(B)(C)

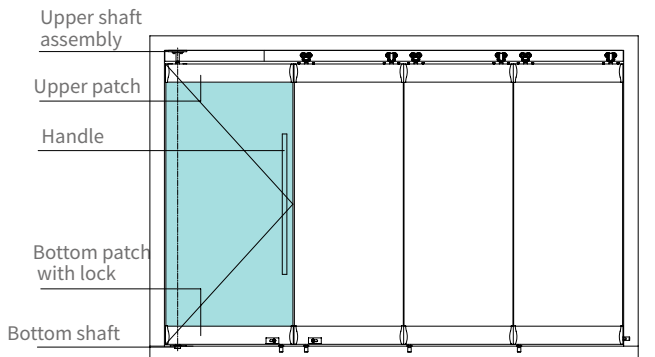
## H type with bottom guide rail configuration

Model	Door sash quantity	Diagram
KHD1230H	3 sash	(D)(E)(F)
KHD1240H	4 sash	(D)(E)(E)(F)
KHD1250H	5 sash	(D)(E)(E)(E)(F)
KHD1260H	6 sash	(D)(E)(E)(E)(E)(F)

## F type without bottom guide rail configuration

Model	Door sash quantity	Diagram
KHD1130F	3 sash	(A)(B)(C)
KHD1140F	4 sash	(A)(B)(B)(C)
KHD1150F	5 sash	(A)(B)(B)(B)(C)
KHD1160F	6 sash	(A)(B)(B)(B)(B)(C)

## Movable partition swing sash accessories KHD96001



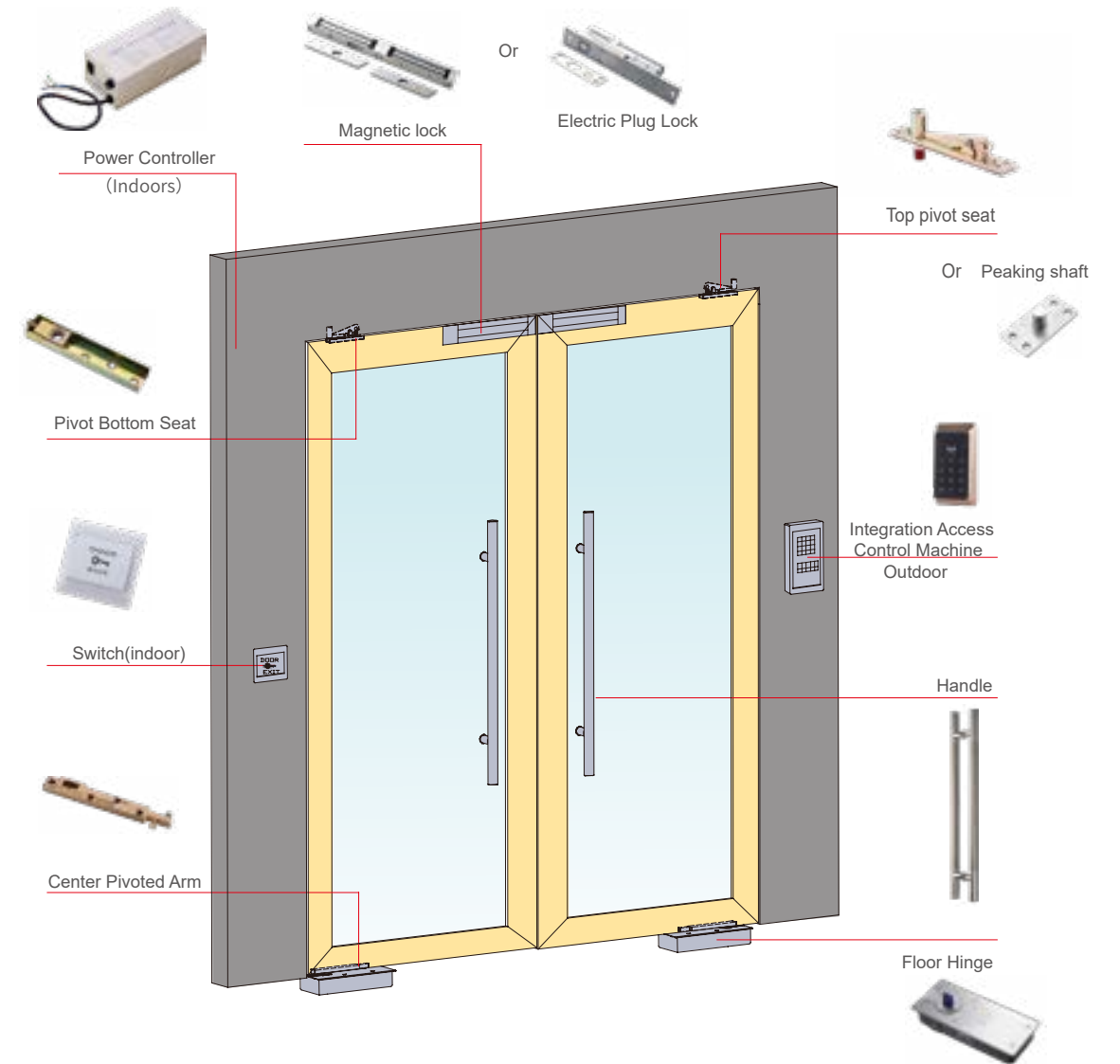
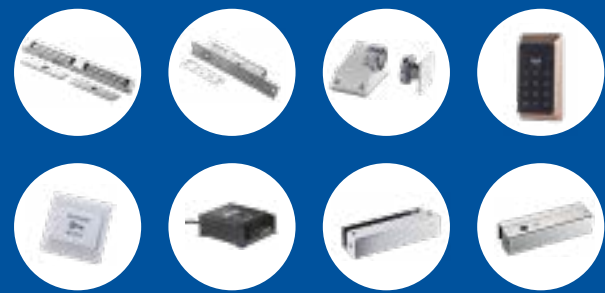
## Configuration intructions:

- Swing sash is not included in the standard configuration. When you need the swing sash accessories KHD96001 must be ordered separately.
- Swing sash accessories includes upper shaft assembly, upper patch, bottom patch with lock, and bottom shaft each.
- The swing sash must be equipped with a handle. The handle must be ordered separately, only KLS454 (see P225) applicable.
- Swing sash must be equipped with door stopper. Door stopper must be ordered separately. Recommended models SMX12215.

Accessory name	Upper shaft assembly	Upper patch	Bottom patch with lock	Bottom shaft
Diagram				

# 11

## Smart door control system

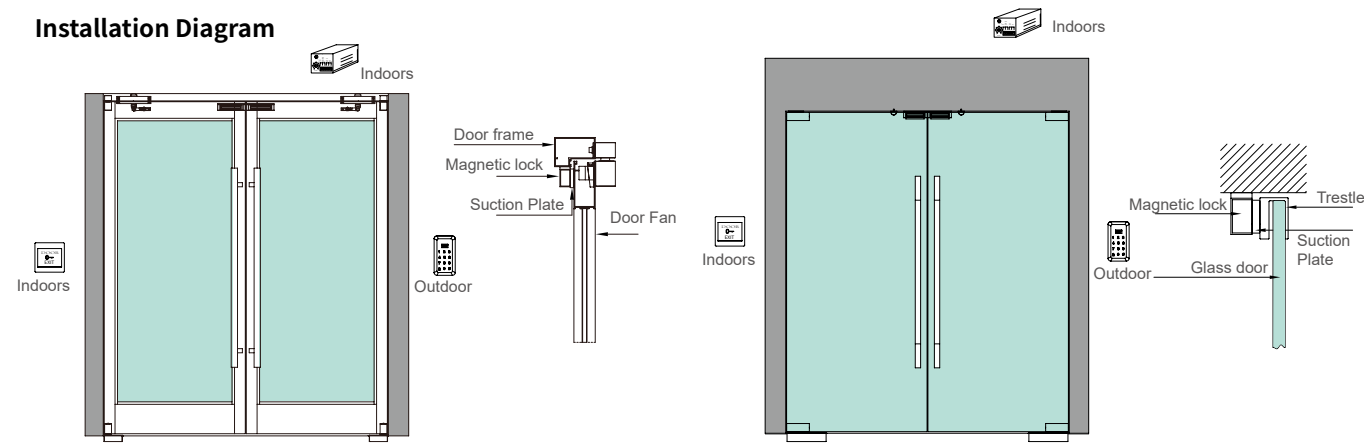


## Magnetic lock series

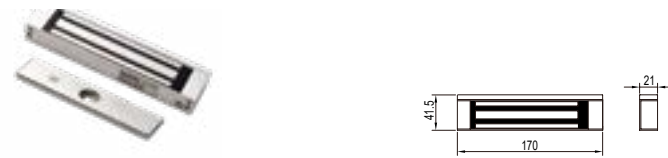
### Technical parameter

- Applicable door type: wooden door, metal door, frameless glass door (additional support is required) and other door types
- Open Mode: one-way flat opening
- Surface Treatment: Anodic oxidation
- Features: With ultra-low temperature, power-saving design
  - Pure copper coil
  - Special soft magnetic material
  - Functional stability

### Installation Diagram



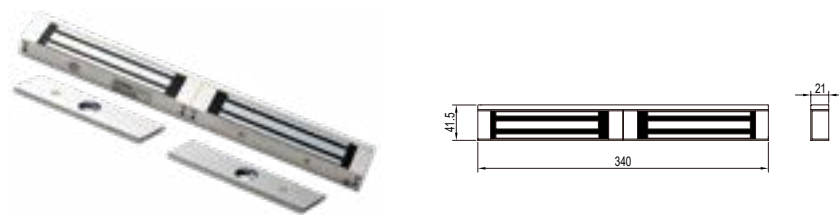
**KDS10010** Single door magnetic lock  
Previous Code CS181



### Technical parameter

Suction Force	140Kg (310Lbs)
Security type	Cut The power, unlock the door
Input Voltage / operating current	DC12V/300mA DC24V/150mA
Lock status output	--
Voltage error range	±15%
LED Indication	--
Ambient temperature	-25°C~55°C
Relative humidity	No more than 85%
Applicable door thickness	≤45mm
Applicable bracket	KDF10010/KDF10040

**KDS12010** Double Door magnetic lock  
Previous Code CS182



### Technical parameter

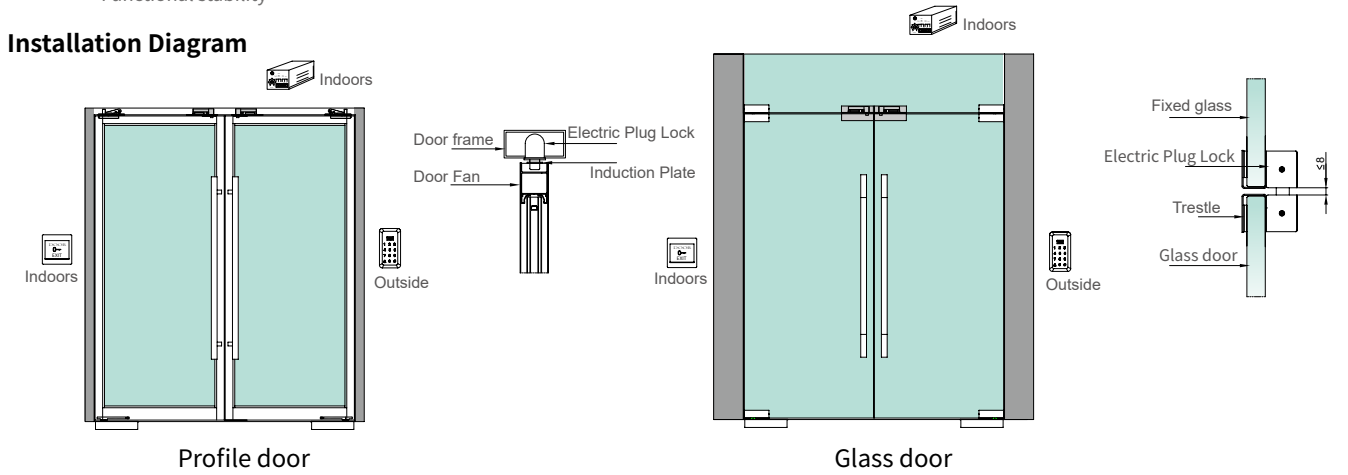
Suction Force	140Kg*2 (310Lbs*2)
Security type	Cut The power, unlock the door
Input Voltage / operating current	DC12V/300mA DC24V/150mA
Lock status output	--
Voltage error range	±15%
LED Indication	--
Ambient temperature	-25°C~55°C
Relative humidity	No more than 85%
Applicable door thickness	≤45mm
Applicable bracket	KDF10010/KDF10040

## Electric Plug Lock series

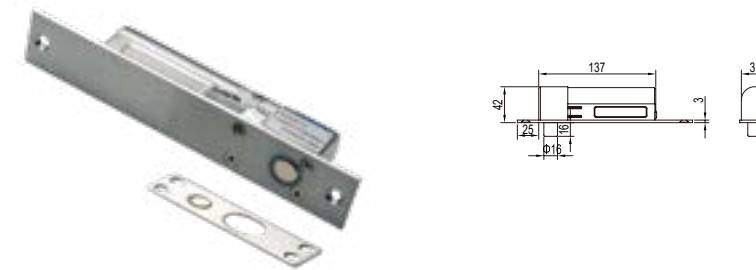
### Technical parameter

- Applicable door type: wooden door, metal door, frameless glass door (additional support is required) and other door types
- Open Mode: two-way flat opening
- Surface Treatment: ANODIC oxidation
- Features: With ultra-low temperature, power-saving design
  - Pure copper coil
  - Special soft magnetic material
  - Functional stability

### Installation Diagram



**KDC10010** Electric Plug Lock  
Previous Code DCS101



### Technical parameter

Security type	Cut The power, unlock the door
Input Voltage / operating current	DC12V/100mA
Starting current	900mA
Lock status output	--
Delay Lock	--
LED Power indication	--
Voltage error range	±15%
Ambient temperature	-25°C~55°C
Relative humidity	No more than 85%
Applicable bracket	KDF11010/KDF11020

**KDC10030** Electric Plug Lock  
Previous Code DCS201



### Technical parameter

Security type	Cut The power, unlock the door
Input Voltage / operating current	DC12V/150mA DC24V/90mA
Starting current	900mA/700mA
Lock status output	--
Delay Lock	√
LED Power indication	--
Voltage error range	±15%
Ambient temperature	-25°C~55°C
Relative humidity	No more than 85%
Applicable bracket	KDF11010/KDF11020

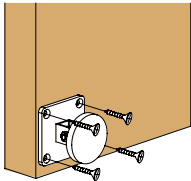
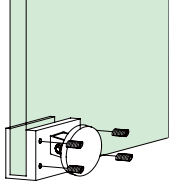


## Electromagnetic door suction series

### Technical parameter

- Applicable door types: wooden doors, metal doors, frameless glass doors, etc.
- Opening method: keep the door normally open
- Surface treatment: chrome plated suction cup
- Features: ultra-low temperature, power saving design
  - Pure copper coil, special soft magnetic material, stable function
  - Professional anti-residual magnetism design, with manual release button
  - Pass the EU CE certification

### Installation Diagram

Code	KDX2001A	KDX2002A
Drawing of suction plate installation		

Note: KDX10 series main body can be installed on wall and floor, KDX20 series is only suitable for floor installation

### KDX2001A Electromagnetic Gate Suction



### Technical parameter

Security type	Power cut release
Input Voltage / operating current	DC12V/150mA DC24V/80mA
Suction Force	40Kg(88Lbs)
Manual release	√
LED indication	√
Voltage error range	±15%
Ambient temperature	-25°C~55°C
Relative humidity	No more than85%
Body size	110*80*90
Applicable Gate	Wooden doors, framed doors
Applicable door thickness	≥20mm

### KDX2002A Electromagnetic Gate Suction



### Technical parameter

Security type	Power cut release
Input Voltage / operating current	DC12V/150mA DC24V/80mA
Suction Force	40Kg(88Lbs)
Manual release	√
LED indication	√
Voltage error range	±15%
Ambient temperature	-25°C~55°C
Relative humidity	No more than85%
Body size	110*80*90
Applicable Gate	Frameless glass door
Suitable glass thickness	12~15mm, 19mm

## Access control panel series

### KDM22020 Access control panel



### Technical parameter

User capacity	1000	Input Voltage	DC12V
Contour dimension	138*75*25	Operating temperature	-20~55°C
Swipe the card. Open the door	√	Main material of Shell	plastic
The code. Open the door	√(Touch button)	Card reader type	IC Optional
Card + Password Open	√	Color	Black+gold

### KDM31010 Access control panel



### Technical parameter

Card capacity	1000 cards	Input Voltage	DC12V
Fingerprint capacity	1000 fingerprints	Operating temperature	-20~55°C
Contour dimension	180*77*26	Main material of Shell	plastic
Swipe the card. Open the door	√	Language	Chinese-English
The code. Open the door	√Mechanical buttons	Card reader type	IC Optional
Fingerprint opening	√	Color	Black

Note: This system does not provide IC card, which should be bought additionally.  
If door bell is needed, it will be purchased by the customer.  
No network access function.

## IC Card

### KDM12010-02 IC Card

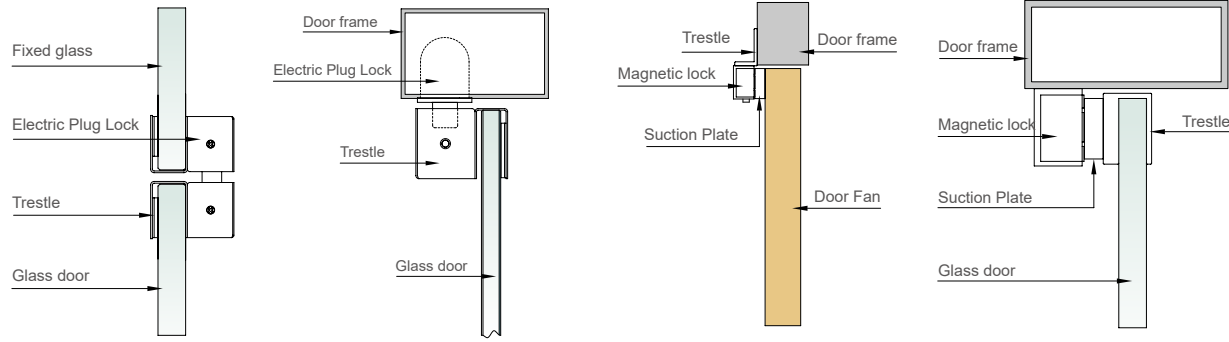


### Technical parameter

Main material	PVC
Operating Frequency	13.56MHz
Read-write distance	0-10cm
Data Storage	10Year
Ambient temperature	-20°C~+50°C
Contour dimension	86*54*1mm

## Door access control machine series

### Installation Diagram



**KDF10010** Trestle  
Previous Code ZJ22



### Technical parameter

Contour dimension	130*41*28
Applicable magnetic lock	KDS10010/KDS12010
Glass thickness	10~<15mm
Applicable Gate	Frameless Glass Door
Mounting position	Magnetic latching plate

**KDF10040** Trestle  
Previous Code ZJ12



### Technical parameter

Contour dimension	170*25*40
Applicable magnetic lock	KDS10010/KDS12010
Glass thickness	--
Applicable Gate	Wooden Doors, metal doors, framed glass doors
Mounting position	Magnetic lock

**KDF11010** Trestle  
Previous Code ZJ01



### Technical parameter

Contour dimension	210*59*45
Suitable Electric Plug Lock	KDC10010/KDC10030
Glass thickness	10~15mm
Applicable Gate	Frameless glass door fan and top fixed glass
Mounting position	Electric Lock Body

**KDF11020** Trestle  
Previous Code ZJ02



### Technical parameter

Contour dimension	210*59*45
Suitable Electric Plug Lock	KDC10010/KDC10020/KDC10030
Glass thickness	10~15mm
Applicable Gate	Frameless glass door fan and top fixed glass
Mounting position	Electric plug-lock Induction Board

**KDF11030** Trestle  
Previous Code ZJ04



### Technical parameter

Contour dimension	94*49*38
Suitable Electric Plug Lock	KDC10010/KDC10030
Glass thickness	10~15mm
Applicable Gate	Frameless glass door
Mounting position	Electric plug-lock Induction Board

**Auxiliary Accessory series**

**KDF20010** Power Controller  
Previous Code PCS01



**Technical parameter**

Boundary dimension	180*80*63
Input Voltage	AC200~240V/50Hz
Output Power	DC3~18V/3A
Access Control Connectes Point	√
Electric Lock Connected Point	√
Button Connected Point	√
Delay Function	0~30s
Output short-circuit protection	√
Battery Storage Function	--

Note: a power controller can be connected to 6 magnet doors or 2 electric locks

**Switch series**

**KDK10020** Switch



**Technical parameter**

Contour dimension	86*86*34
Electrical parameter	Contact Resistance: DC 36V/3A
Selected material	PVC
Contact Selection	NO/COM

**KDF20020** Power Controller



**Technical parameter**

Contour dimension	129*110*45
Input Voltage	AC100V-240V 50/60Hz
Output Voltage / current	DC13.5V/3A
Access contact	√
Electric lock contact	√
Button contact	√
Delay Function	0~30s
Output Short circuit protection	√
Electric storage function	√
Battery Specification	12V lead acid battery

Note: With Battery Interface, no battery is provided

## Typical Projects

### Residential



China Resources City Qingdao  
Sanya Bay New Town  
Shanghai Beshang Bay Garden  
Xiangxie Mountain, Sanya  
Beautiful Green Lake in Xiamen  
Suzhou Xingcui Lanting  
Chengdu China Resources Yunting  
Lanzhou Yida Tiandi  
Yunzhu Garden, Guangzhou  
Haikou beautiful coast  
Boao Coral Bay, Haikou  
Sanya Bay beautiful five areas  
Qingdao Qingtie China Resources City  
Beijing Sub-center  
Zhongshan Ocean New World  
Xinxiang Huiyi Yue Residence  
Nanning Yunjingshan Language City

Dalian Zhongxin Fengyue City  
Wuhan Contemporary City of Nations  
Shenzhen Huashengfeng Hui Tea Palace  
Ningbo Linhai Tianjun Residence  
Xiamen Special House Yinxi Villa  
Shenzhen Linghong Health Home  
Dongguan Golden Mid-Levels Garden  
Shanghai Fengxian Nanqiao New Town  
Hangzhou Poly Central Mansion  
Xiongan Citizen Service Center  
One Tiantai Academy, Qingdao  
Ningbo Social Welfare Center  
Haikou Blue Bay town Lily Garden  
Chengdu Chinese Business Financial Center  
Haikou New World Tourist Holiday Center  
Zhangjiakou Miyuan Prince Skiing town

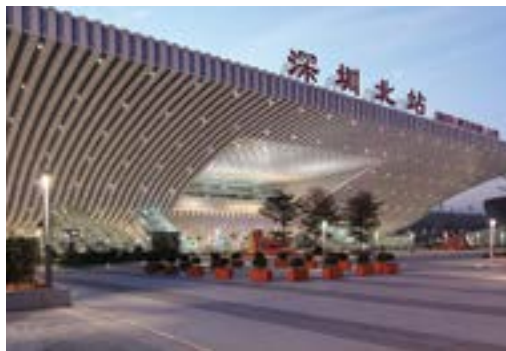
### Hotel



Dunhuang International Hotel  
Nanning Qianjing Hotel  
Harbin Wanda Hotel  
Zhuhai Manhattan Hotel  
Dongguan Hilton Hotel  
Guangzhou Poly Intercontinental Hotel  
Guangzhou Changlong Xiangjiang Hotel  
China Yucheng Five-star Hotel  
Hangzhou Victoria Hotel  
Hefei Wanda Wenhua Hotel  
Beijing Fengtai Marriott Hotel  
Hyatt Regency Shanghai Global Harbor  
Hefei China Railway Hotel  
Qingdao Hilton Hotel  
Chengdu Hilton Hotel  
Suzhou Xiangyi Hotel  
Fuzhou Mindu Hotel  
Nanning Courtyard Hotel

Four Seasons Hotel in Kuala Lumpur  
Haikou Hilton Hotel  
Dali Hilton Hotel  
Dali International Hotel  
Hengda Pearl River New City Hotel  
Crowne Plaza Thousand Island Lake  
Moroccan Hotel  
Myanmar Jinding Hotel  
Qiandao Lake New World Hotel  
Qatar Five-star Hotels  
Shanghai Xianglun Garden Hotel  
Urumqi Wenhua Hotel  
Harbin Shangri-La Hotel  
Hainan Shangri-La Hotel  
Sanya Atlantis Hotel  
Sanmenxia Swan International Hotel  
Qinhuangdao Shangri-La Hotel

### Metro/ High-Speed Rail



Beijing Metro  
Shanghai Metro  
Guangzhou Metro  
Futian subway  
Chengdu Metro  
Xiamen Metro  
Wuhan Metro  
Xi'an Metro  
Ningbo Metro  
Hangzhou Metro

Zunyi High-speed Railway  
Kaifeng High-speed Railway  
Chongqing High-speed Railway  
Guangxi High-speed Railway  
Suzhou High-speed Railway  
Hefei High-speed Railway  
Wuhu High-speed Railway  
Huangshan High-speed Railway  
Guiyang High-speed Railway  
Nanjing High-speed Railway

Daqing High-speed Railway  
Yungui High-speed Railway Station  
Wuzhou High-speed Railway  
Handan High-speed Railway  
Kunshan High-speed Railway  
Zhengzhou High-speed Railway  
Emei High-speed Railway  
Foshan High-speed Railway  
Harbin High-speed Railway  
Hohhot High-speed Railway

## Typical Projects

### Airport



Hong Kong Airport  
Pudong International Airport  
Wuhan Tianhe Airport  
Hengyang Nanyue Airport  
Jiangbei International Airport  
Malabo International Airport  
Shanghai Hongqiao International Airport  
Xiamen Gaoqi International Airport  
Zhengzhou Xinzheng International Airport  
Ningbo Lishe International Airport  
Xiangyang Airport  
Baoan International Airport  
Xinjiang Hotan Airport  
Liuzhou Bailian Airport  
Tongren Phoenix Airport

Jinzhou Bay International Airport  
Nanning Wusong International Airport  
Sanya Phoenix International Airport  
Guiyang Longdongbao International Airport  
Haikou Meilan International Airport  
Hanoi Airport  
Korla Airport  
Liberia Airport  
Philippines Manila Airport  
Togo Lome International Airport  
Jordan Queen Alia Airport  
Zambia Lusaka International Airport  
Samoa Faleolo International Airport  
Nigeria Abuja International Airport

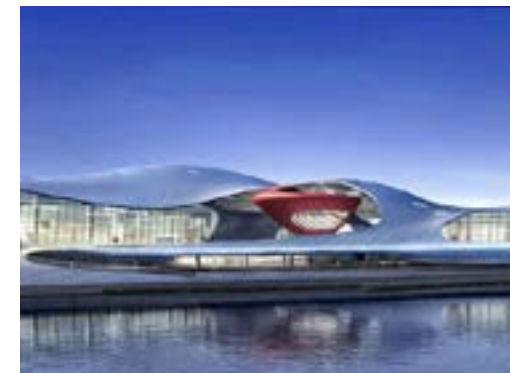
### Office Building



Beijing Modern Office Building  
Yancheng City Office Building  
State Post Office Building  
Guangdong Yanjing Beer Office Building  
Dongguan First International Office Building  
Chengdu LH Group Office Building  
Zhengzhou Shenzhen Airlines Business Office Building  
Xi'an Scenic Royal Garden Office Building  
Wanli Shangtai Research Office Building  
Zhangjiagang United Front Office  
Shaoxing Country Garden Office Building  
Tencent Chengdu Technology Office Building  
Shimao Riverside Headquarters Office Building  
Hebei Provincial People's Government Office Building  
Ivorian Ministry of Foreign Affairs Office Building

Beijing Government Service Center Office Building  
Pudong Development Bank Qingdao Office Building  
Guangxi Water Conservancy and Electric Power Business Office Building  
Jiangsu Jiangnan Industrial Group Office Building  
Chengdu Dayuan International Center Office Building  
Guangya Aluminum Industry Office Building  
Qihoo 360 office building  
Microsoft Suzhou Branch Office Building  
Ruiyuan - Mingjia International Office Building  
Kunshan City Procuratorate Office Office  
Chengdu Huaxi Securities Headquarters Office Building  
Taiyuan Intermediate People's Court Office Building  
Agricultural Bank Suzhou Branch Office Building  
Peking University Nanning Affiliated School Office Building

### Large-scale Public Building Project



Beijing Water Cube  
Tianjin Stadium  
Jiading Stadium  
Guangzhou Asian Games City  
Guangzhou Science City  
Shanxi Grand Theatre  
International Exhibition Center  
China Port Museum  
China Silk Museum  
National South China Sea Museum  
Changsha International Convention and Exhibition Center  
Xinjiang International Convention and Exhibition Center  
Nanjing Youth Olympic Sports Park  
Shenyang International Exhibition Center  
Shenyang New World Convention and Exhibition Center

Southern University of Science and Technology Gymnasium  
Guangzhou International Sports Performance Center  
Nanning Dianchi International Convention and Exhibition Center  
China Exhibition and Convention Center (Shanghai)  
Xixia Museum  
Datong Museum  
Senegal Museum  
Xiamen International Convention and Exhibition Center  
Ordos Sports Center  
Xilin Gol International Convention and Exhibition Center  
Yunqi Town International Convention and Exhibition Center  
Wuzhen Internet International Convention and Exhibition Center  
Nanjing Museum Dunhuang Silk Road  
Strait Intangible Cultural Heritage Ecological Park