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KIN LONG

Construction Hardware Expert

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Door Controls Hardware Typical Product Catalogue







Door Controls Hardware
Typical Product Catalogue





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Floor hinge



Floor Hinges List

Diagram	Code	Location type	Door width	Maximum Loading	Life cycle	Speed control
	HD101/HDF101	90°/Non-hold	650～1050mm	100Kg	>500000 Cycles	One speed section
	HD102	90°	650～900mm	90Kg	>300000 Cycles	One speed section
	HD103	90°	600～950mm	65Kg	>300000 Cycles	One speed section
	HD201	90°	650～1050mm	90Kg	>500000 Cycles	Two speed section
	HD203/HDF203	90°/Non-hold	650～1050mm	100Kg	>100000 Cycles	Two speed section
	HD204	90°	750～1100mm	115Kg	>100000 Cycles	Two speed section
	HD205/HDF205	90°/Non-hold	800～1200mm	130Kg	>100000 Cycles	Two speed section
	HD304	90°/120-180 hold	650～1050mm	100Kg	>100000 Cycles	Two speed section
	HD305	90°/120-180 hold	800～1200mm	130Kg	>100000 Cycles	Two speed section
	HD403	90°	650～1050mm	100Kg	>100000 Cycles	Two speed section
	HD405	90°	800～1200mm	130Kg	>100000Cycles	Two speed section
	HD406/HDF406	90°/Non-hold	1100～1500mm	150Kg	>100000 Cycles	Two speed section
	HD407	90°	1400～1800mm	200Kg	>100000 Cycles	Two speed section
	HD508A	90°	1200～1300mm	250Kg	>500000 Cycles	Two speed section
	HD608	90°	1200～1400mm	300Kg	>500000 Cycles	Two speed section
	HD609	90°	1200～1500mm	350Kg	>500000 Cycles	Two speed section
	HD610	90°	1300～1600mm	400Kg	>300000 Cycles	Two speed section



HD101 / HDF101 Floor hinge

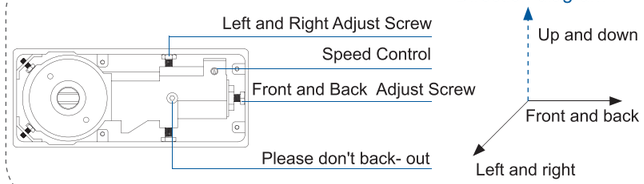
- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door
- Ranked NO 1 in the successive of 10 years for sales volume

Suitable .Temperaturere	-30°C~50°C
Location style	90°/Non-hold
Door width	650～1050mm
Maximum loading	100Kg

Max open degree	120°
Life cycle	>500000 cycles
Speed control	One speed section
Structure of main body	Single cylinder

Main material	Carbon steel
Steel cover material/ thickness	SUS 304/1.2mm
Spindle	14° or 6°
Surface finish	Hairline

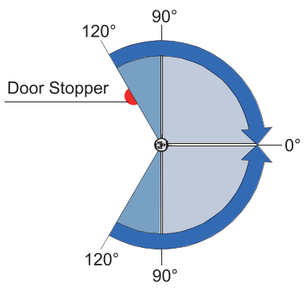
Direction diagram



Direction diagram	Adjustment
Up and down	—
Front and back	6mm
Left and right	4mm

Opening diagram

Graphicis HD101, HDF101 has not 90°hold



Usage Performance

Speed-section 1 closed ;

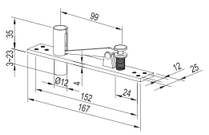
Buffer zone

0°is closing ,90° is location

Pivot hinges

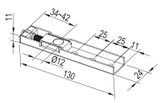


DS05 Top pivot seat



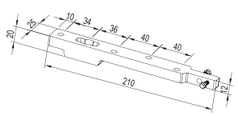


DX05 Bottom pivot seat





DY05 Center pivot arm



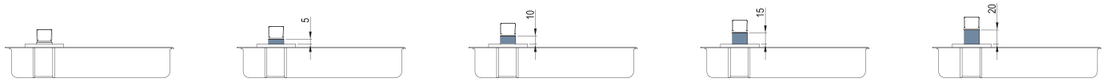
Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

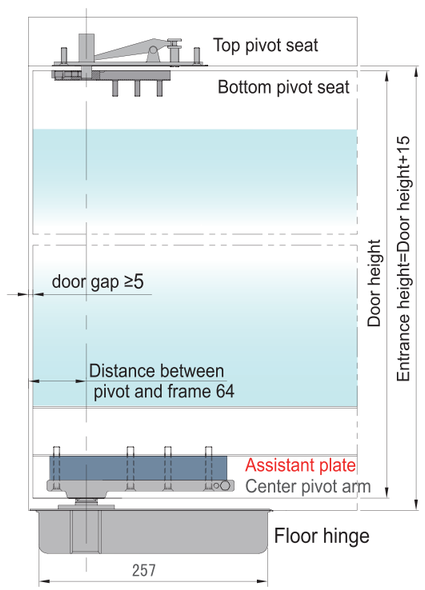
NO.	Diagram	Name	Quantity	Remark
1		Screw	5	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door， pls select the standard accessories

◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Long patch fitting	P80-P82
3	Brackets	P83-P85

Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

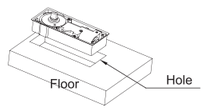
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

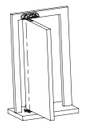
2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

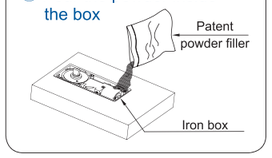
① Put into the floor hinge



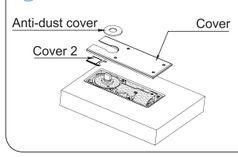
② Test the door



③ Pour the powder inside the box



④ Fix the cover





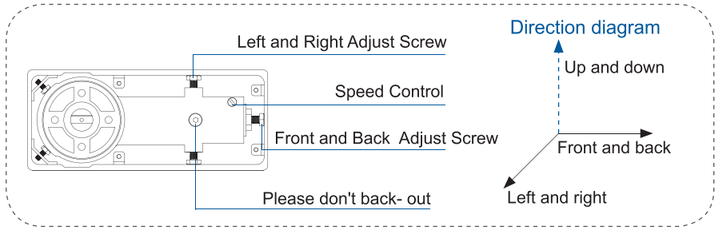
HD102 Floor hinge

- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°
Door width	650～900mm
Maximum loading	90Kg

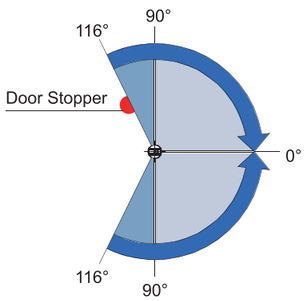
Max open degree	116°
Life cycle	>300000 cycles
Speed control	One speed section
Structure of main body	Single cylinder

Main material	Carbon steel
Steel cover material/ thickness	SUS 304/1.2mm
Spindle	14° or 6°
Surface finish	Hairline



Direction diagram	Adjustment
Up and down	—
Front and back	8mm
Left and right	8mm

Opening diagram



Usage Performance

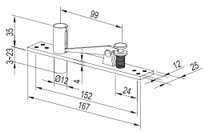
- Speed-section 1 closed ;
- Buffer zone

0°is closing ,90° is location

Pivot hinges

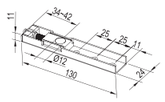


■ DS05 Top pivot seat



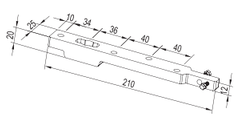


■ DX05 Bottom pivot seat





■ DY05 Center pivot arm



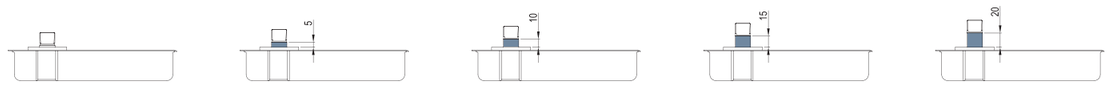
Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

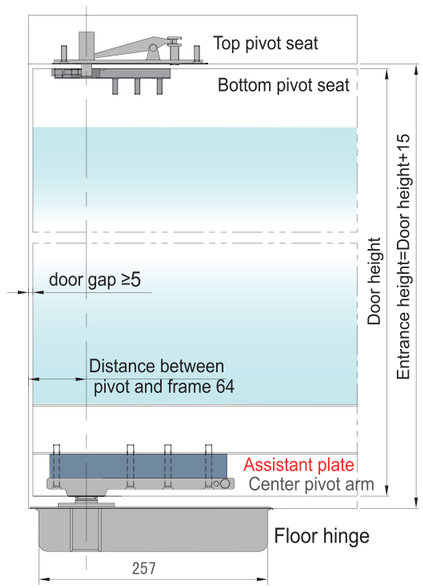
NO.	Diagram	Name	Quantity	Remark
1		Screw	5	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door，pls select the standard accessories

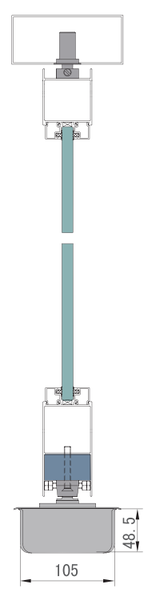
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Long patch fitting	P80-P82
3	Brackets	P83-P85

Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

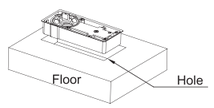
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

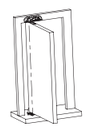
2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

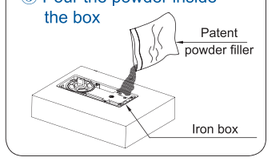
① Put into the floor hinge



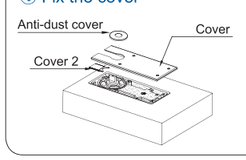
② Test the door



③ Pour the powder inside the box



④ Fix the cover





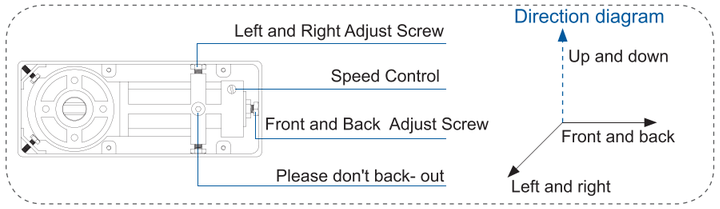
HD103 Floor hinge

- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°
Door width	600～950mm
Maximum loading	65Kg

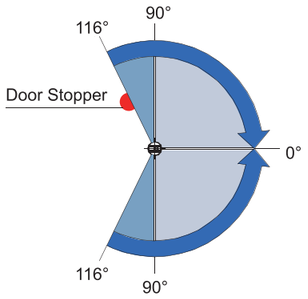
Max open degree	116°
Life cycle	>300000 cycles
Speed control	One speed section
Structure of main body	Single cylinder

Main material	Carbon steel
Steel cover material/ thickness	SUS 304/1.2mm
Spindle	14° or 6°
Surface finish	Hairline



Direction diagram	Adjustment
Up and down	—
Front and back	4mm
Left and right	4mm

Opening diagram



Usage Performance

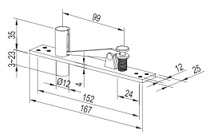
- Speed-section 1 closed ;
- Buffer zone

0°is closing ,90° is location

Pivot hinges

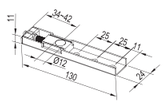


DS05 Top pivot seat



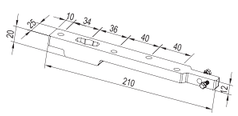


DX05 Bottom pivot seat





DY05 Center pivot arm



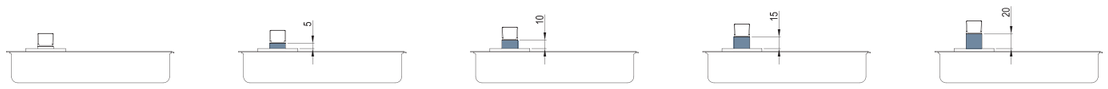
Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

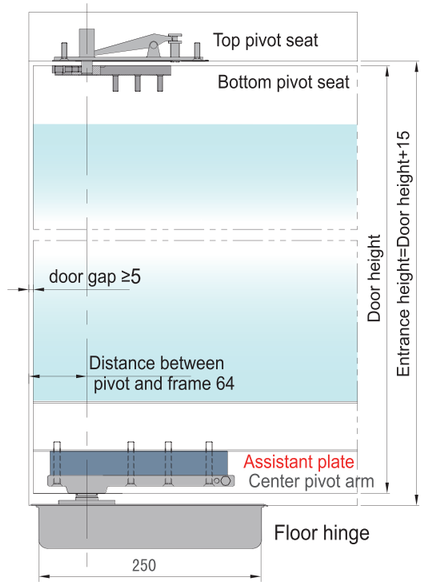
NO.	Diagram	Name	Quantity	Remark
1		Screw	5	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door，pls select the standard accessories

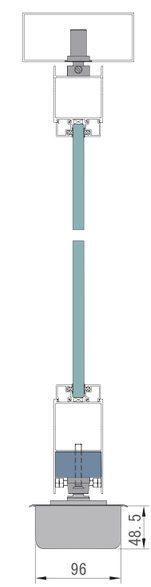
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Long patch fitting	P80-P82
3	Brackets	P83-P85

Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

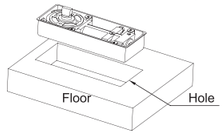
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

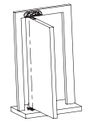
2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

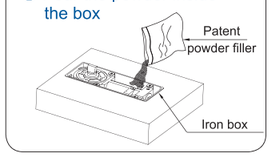
① Put it into the floor hinge



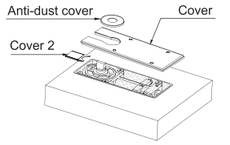
② Test the door



③ Pour the powder inside the box



④ Fix the cover





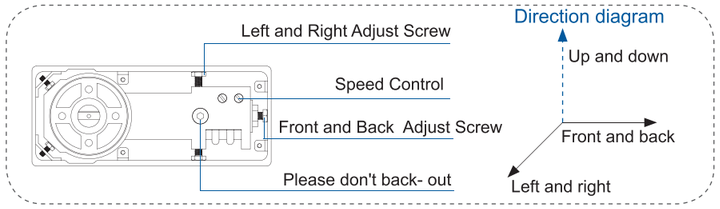
HD201 Floor hinge

- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°
Door width	650～1050mm
Maximum loading	90Kg

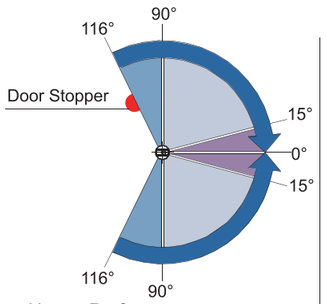
Max open degree	116°
Life cycle	>500000 cycles
Speed control	Two speed section
Structure of main body	Single cylinder

Main material	Carbon steel
Steel cover material/ thickness	SUS 304/1.2mm
Spindle	14° or 6°
Surface finish	Hairline



Direction diagram	Adjustment
Up and down	—
Front and back	5mm
Left and right	5mm

Opening diagram



Usage Performance

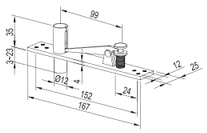
- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

① 0°is closing , 90° is location ;
②Two-section adjustment of closing
90°~ 15° is closing stage
15°~ 0° is locking stage

Pivot hinges

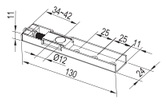


■ DS05 Top pivot seat



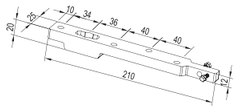


■ DX05 Bottom pivot seat





■ DY05 Center pivot arm



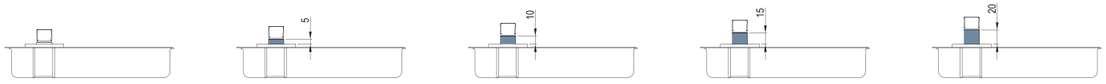
Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

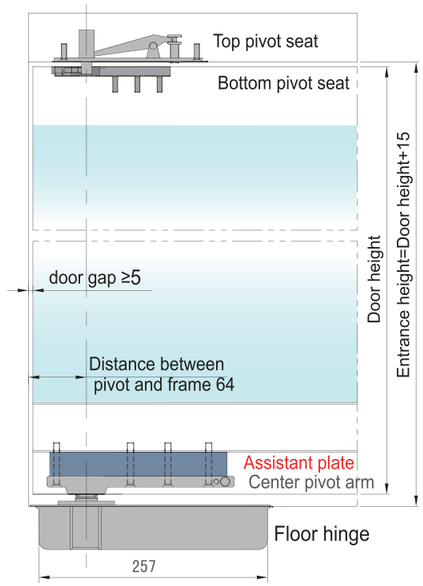
NO.	Diagram	Name	Quantity	Remark
1		Screw	5	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door，pls select the standard accessories

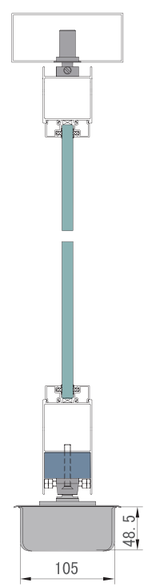
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Long patch fitting	P80-P82
3	Brackets	P83-P85

Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing

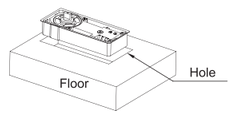


Insulation profile section drawing

Note :
1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile
2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

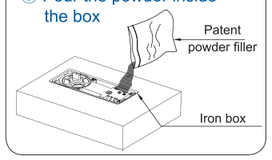
① Put it into the floor hinge



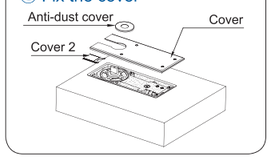
② Test the door



③ Pour the powder inside the box



④ Fix the cover





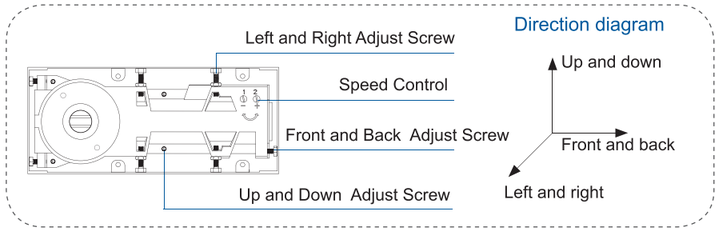
HD203 / HDF203 Floor hinge

- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Pass the test of EN1154 door closing detection
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°/Non-hold
Door width	650～1050mm
Maximum loading	100Kg

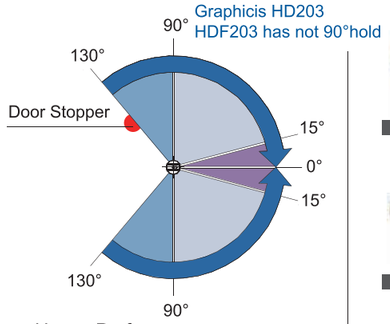
Max open degree	130°
Life cycle	>1000000 cycles
Speed control	Two speed section
Structure of main body	Single cylinder

Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	14° or 6°
Surface finish	Hairline



Direction diagram	Adjustment
Up and down	5mm
Front and back	10mm
Left and right	9mm

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

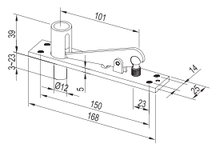
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

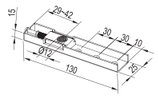


■DS03 Top pivot seat



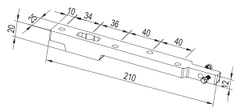


■DX03 Bottom pivot seat





■DY05 Center pivot arm



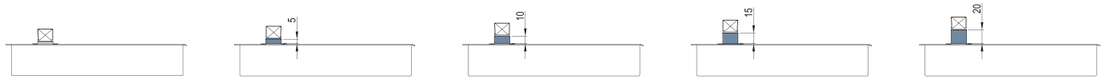
Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

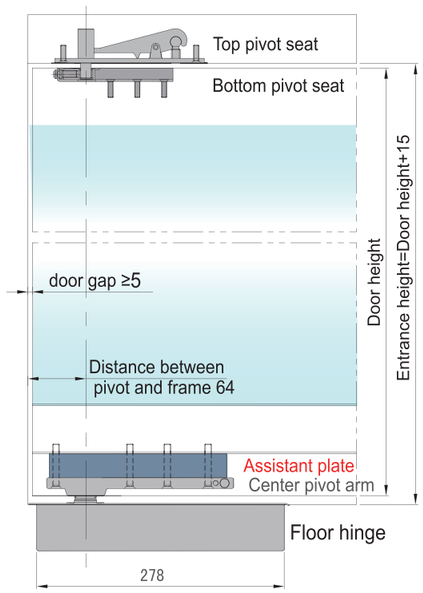
NO.	Diagram	Name	Quantity	Remark
1		Screw	5	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door，pls select the standard accessories

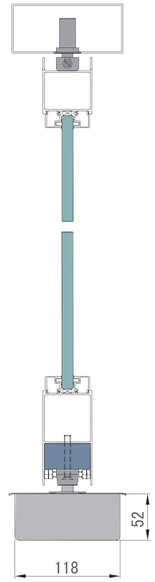
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Long patch fitting	P80-P82
3	Brackets	P83-P85

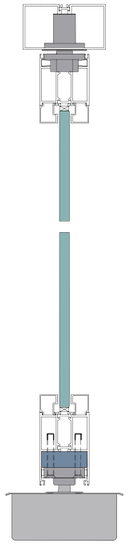
Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

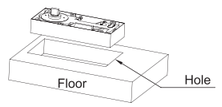
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

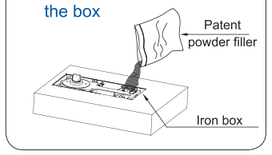
① Put it into the floor hinge



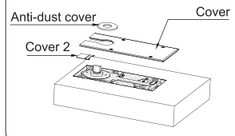
② Test the door



③ Pour the powder inside the box



④ Fix the cover





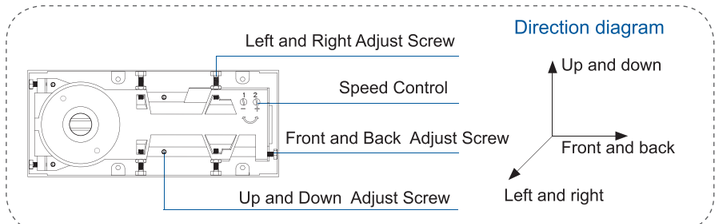
HD204 Floor hinge

- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Pass the test of EN1154 door closing detection
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°
Door width	750～1100mm
Maximum loading	115Kg

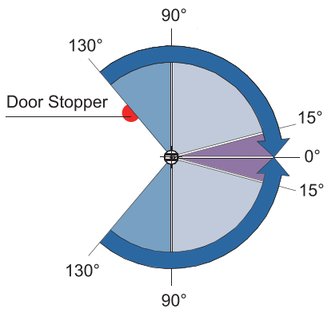
Max open degree	130°
Life cycle	>1000000 cycles
Speed control	Two speed section
Structure of main body	Single cylinder

Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	14° or 6°
Surface finish	Hairline



Direction diagram	Adjustment
Up and down	5mm
Front and back	10mm
Left and right	9mm

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

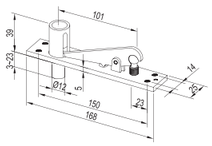
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

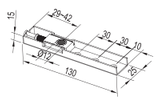


■DS03 Top pivot seat



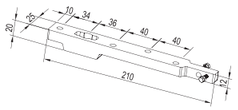


■DX03 Bottom pivot seat





■DY05 Center pivot arm



Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

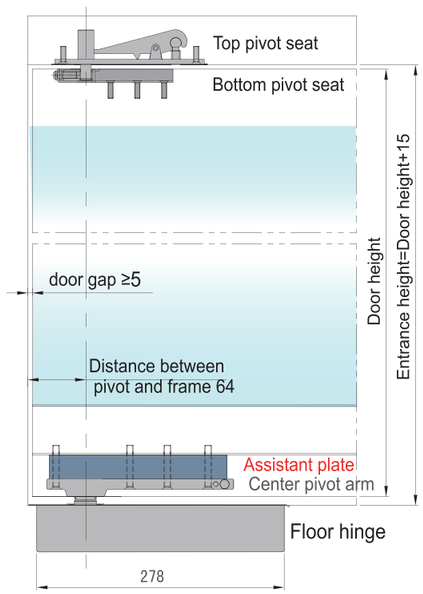
NO.	Diagram	Name	Quantity	Remark
1		Screw	5	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door，pls select the standard accessories

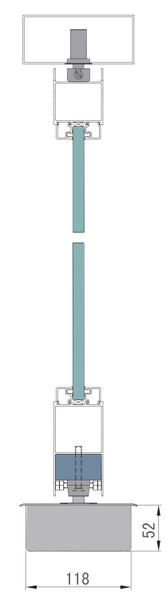
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Long patch fitting	P80-P82
3	Brackets	P83-P85

Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

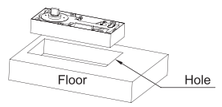
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

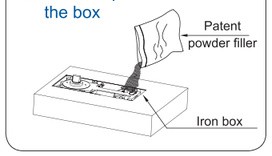
① Put it into the floor hinge



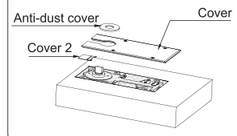
② Test the door



③ Pour the powder inside the box



④ Fix the cover





HD205 / HDF205 Floor hinge

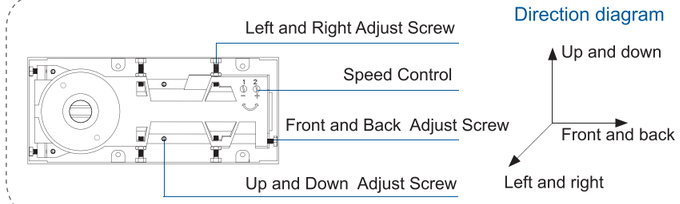
- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Pass the test of EN1154 door closing detection
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°/ Non-hold
Door width	800～1200mm
Maximum loading	130Kg

Max open degree	130°
Life cycle	>1000000 cycles
Speed control	Two speed section
Structure of main body	Single cylinder

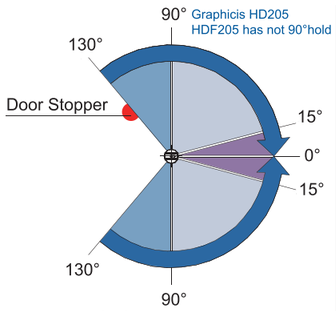
Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	14° or 6°
Surface finish	Hairline

Direction diagram



Direction diagram	Adjustment
Up and down	5mm
Front and back	10mm
Left and right	9mm

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

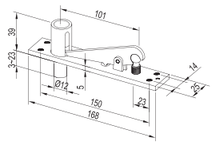
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

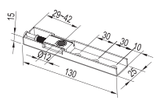


■DS03 Top pivot seat



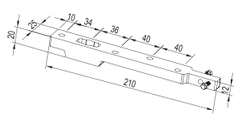


■DX03 Bottom pivot seat





■DY05 Center pivot arm



Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

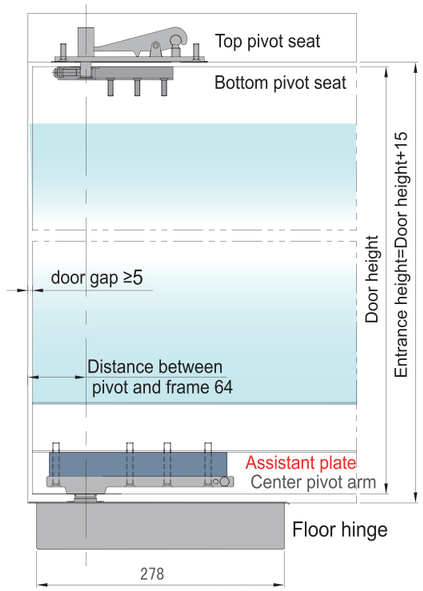
NO.	Diagram	Name	Quantity	Remark
1		Screw	5	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door，pls select the standard accessories

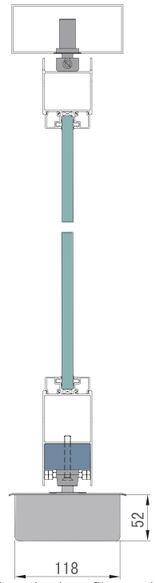
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Long patch fitting	P80-P82
3	Brackets	P83-P85

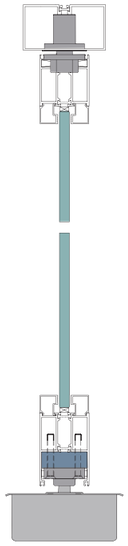
Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

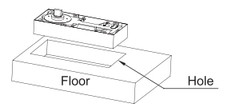
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

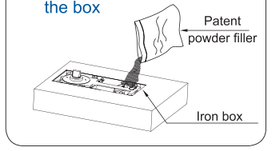
① Put into the floor hinge



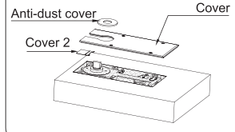
② Test the door



③ Pour the powder inside the box



④ Fix the cover





HD304 Floor hinge

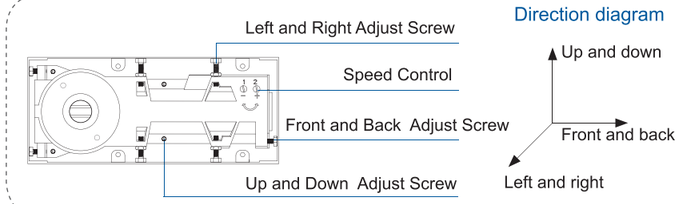
- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Pass the test of EN1154 door closing detection
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door.
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°/120°-180°hold
Door width	650～1050mm
Maximum loading	100Kg

Max open degree	180°
Life cycle	>1000000 cycles
Speed control	Two speed section
Structure of main body	Single cylinder

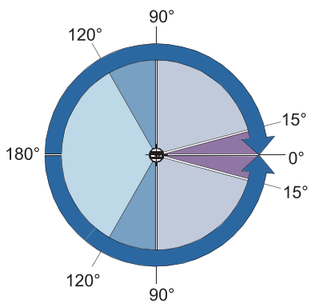
Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	14° or 6°
Surface finish	Hairline

Direction diagram



Direction diagram	Adjustment
Up and down	5mm
Front and back	10mm
Left and right	9mm

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone
- Anywhere can hold

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

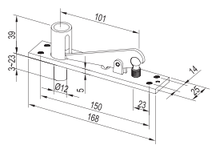
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

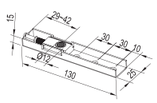


■DS03 Top pivot seat



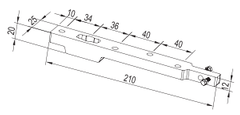


■DX03 Bottom pivot seat





■DY05 Center pivot arm



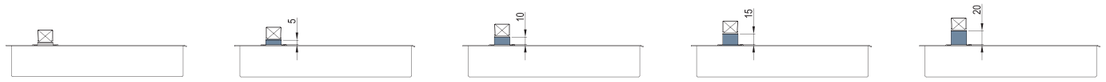
Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

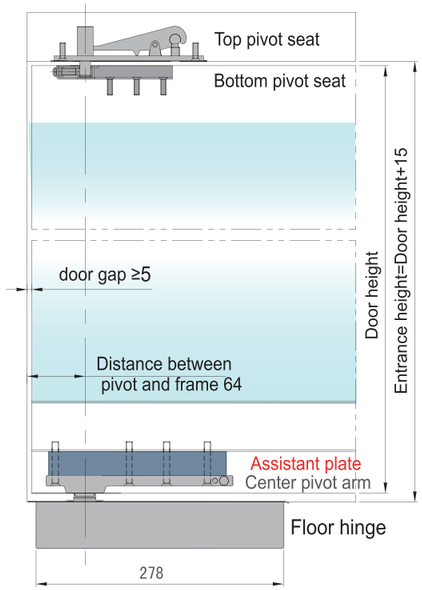
NO.	Diagram	Name	Quantity	Remark
1		Screw	5	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door，pls select the standard accessories

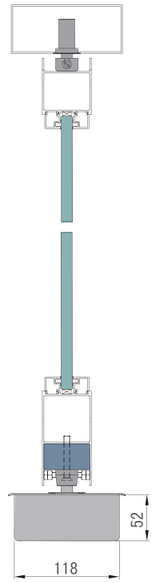
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Long patch fitting	P80-P82
3	Brackets	P83-P85

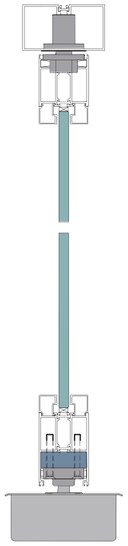
Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

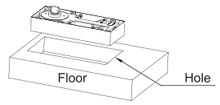
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

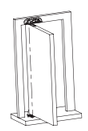
2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

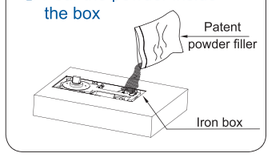
① Put it into the floor hinge



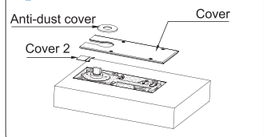
② Test the door



③ Pour the powder inside the box



④ Fix the cover





HD305 Floor hinge

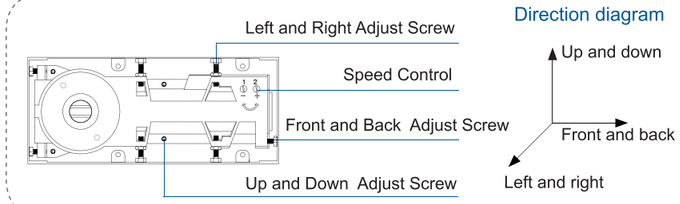
- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Pass the test of EN1154 door closing detection
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°/120°-180°hold
Door width	800～1200mm
Maximum loading	130Kg

Max open degree	180°
Life cycle	>1000000 cycles
Speed control	Two speed section
Structure of main body	Single cylinder

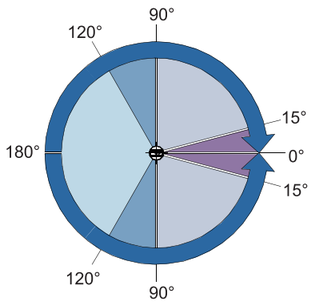
Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	14° or 6°
Surface finish	Hairline

Direction diagram



Direction diagram	Adjustment
Up and down	5mm
Front and back	10mm
Left and right	9mm

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone
- Anywhere can hold

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

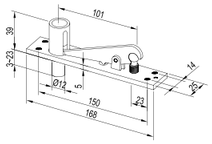
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

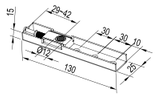


■DS03 Top pivot seat



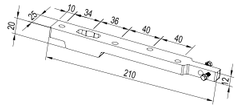


■DX03 Bottom pivot seat





■DY05 Center pivot arm



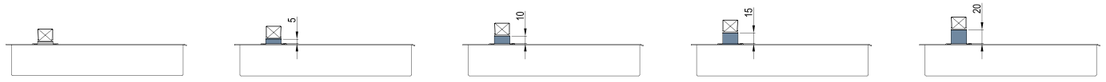
Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

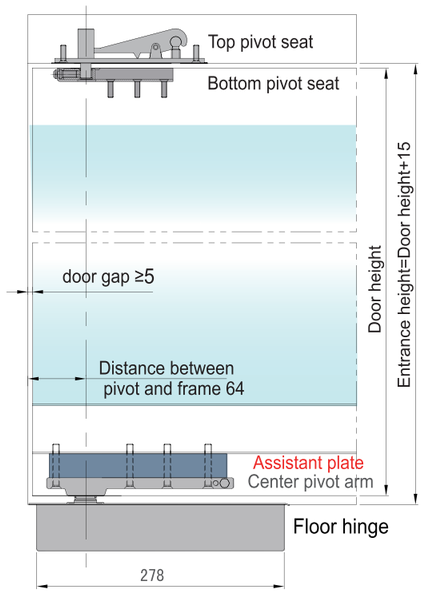
NO.	Diagram	Name	Quantity	Remark
1		Screw	5	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door，pls select the standard accessories

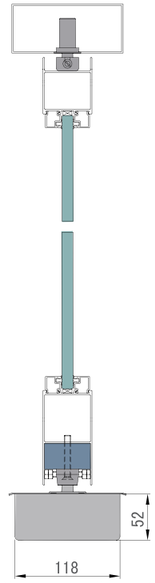
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Long patch fitting	P80-P82
3	Brackets	P83-P85

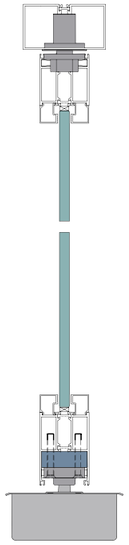
Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

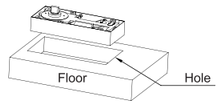
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

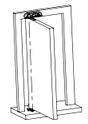
2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

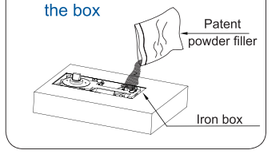
① Put it into the floor hinge



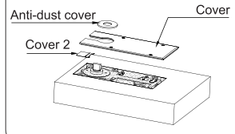
② Test the door



③ Pour the powder inside the box



④ Fix the cover





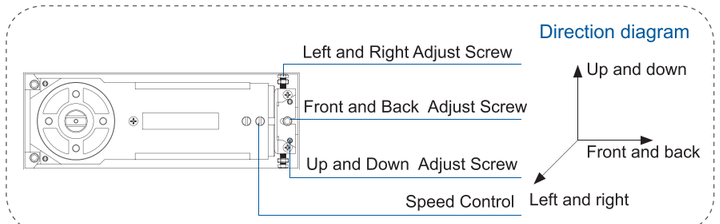
HD403 Floor hinge

- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Pass the test of EN1154 door closing detection
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door.

Suitable .Temperaturere	-30°C~50°C
Location style	90°
Door width	650～1050mm
Maximum loading	100Kg

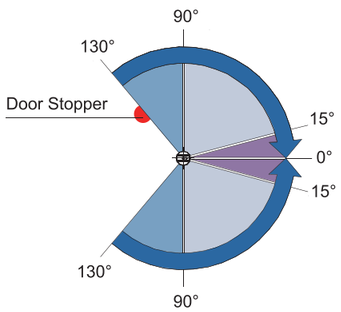
Max open degree	130°
Life cycle	>1000000 cycles
Speed control	Two speed section
Structure of main body	Double cylinder

Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	14° or 6°
Surface finish	Hairline



Direction diagram	Adjustment
Up and down	5mm
Front and back	8mm
Left and right	6mm

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

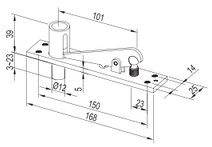
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

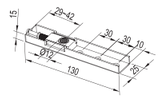


■DS03 Top pivot seat



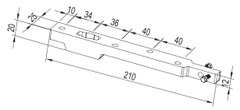


■DX03 Bottom pivot seat





■DY05 Center pivot arm



Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

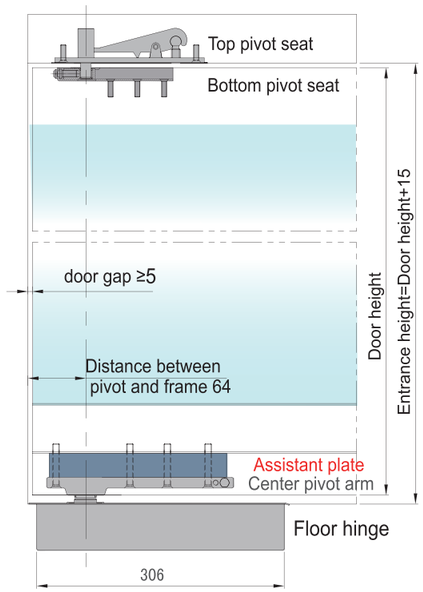
NO.	Diagram	Name	Quantity	Remark
1		Screw	4	Include one spare
2		Cover	1	Include seal shim
3		Anti-dust cover	1	
4		Main body	1	
5		Iron box	1	
6		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door，pls select the standard accessories

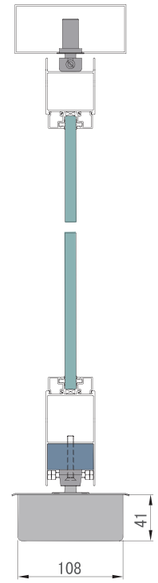
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Long patch fitting	P80-P82
3	Brackets	P83-P85

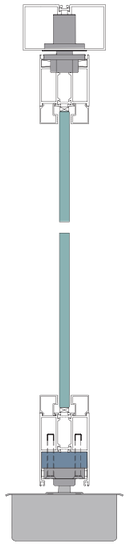
Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

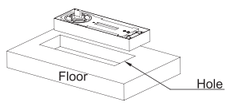
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

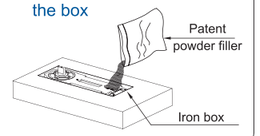
① Put it into the floor hinge



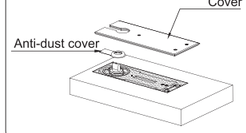
② Test the door



③ Pour the powder inside the box



④ Fix the cover





HD405 Floor hinge

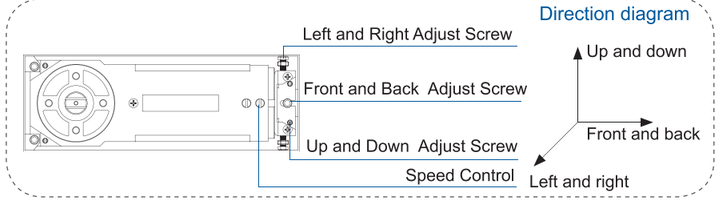
- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Pass the test of EN1154 door closing detection
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°
Door width	800～1200mm
Maximum loading	130Kg

Max open degree	130°
Life cycle	>1000000 cycles
Speed control	Two speed section
Structure of main body	Double cylinder

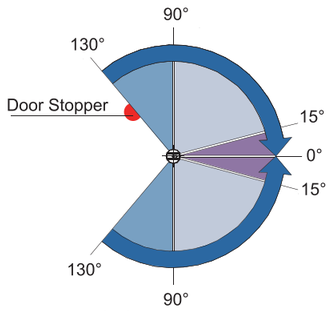
Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	14° or 6°
Surface finish	Hairline

Direction diagram



Direction diagram	Adjustment
Up and down	5mm
Front and back	8mm
Left and right	6mm

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

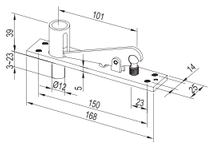
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

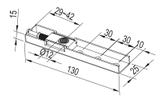


■DS03 Top pivot seat



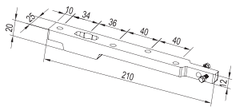


■DX03 Bottom pivot seat





■DY05 Center pivot arm



Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

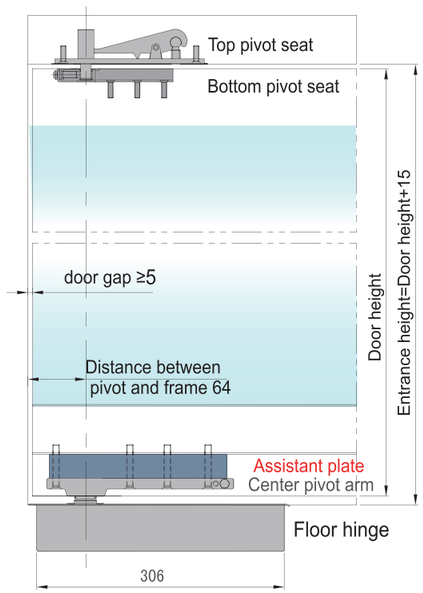
NO.	Diagram	Name	Quantity	Remark
1		Screw	4	Include one spare
2		Cover	1	Include seal shim
3		Anti-dust cover	1	
4		Main body	1	
5		Iron box	1	
6		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door，pls select the standard accessories

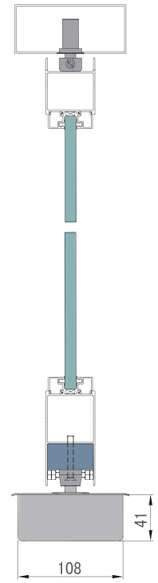
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Long patch fitting	P80-P82
3	Brackets	P83-P85

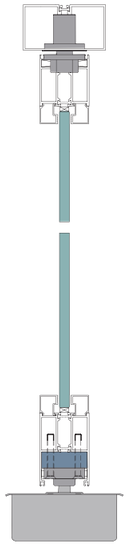
Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

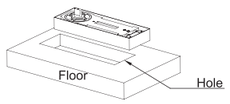
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

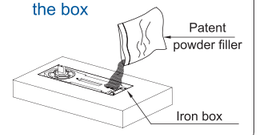
① Put it into the floor hinge



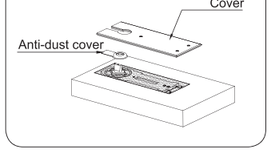
② Test the door



③ Pour the powder inside the box



④ Fix the cover





HD406 / ***HDF406*** Floor hinge

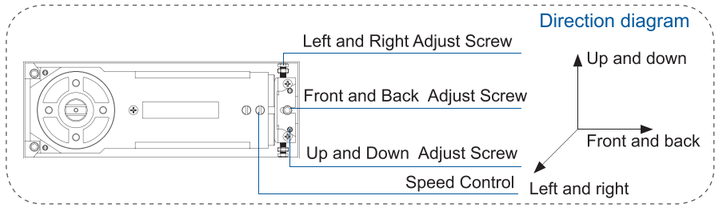
- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Pass the test of EN1154 door closing detection
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°/Non-hold
Door width	1100～1500mm
Maximum loading	150Kg

Max open degree	130°
Life cycle	>1000000 cycles
Speed control	Two speed section
Structure of main body	Double cylinder

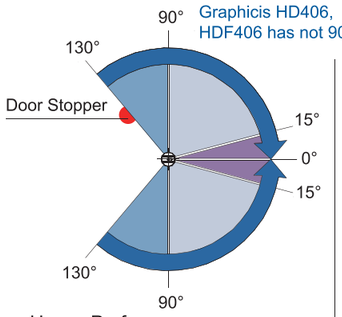
Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	14° or 6°
Surface finish	Hairline

Direction diagram



Direction diagram	Adjustment
Up and down	5mm
Front and back	8mm
Left and right	6mm

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

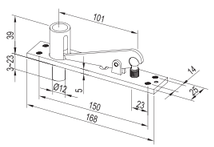
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

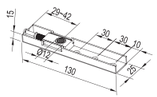


■DS03 Top pivot seat



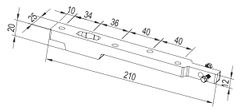


■DX03 Bottom pivot seat





■DY05 Center pivot arm



Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

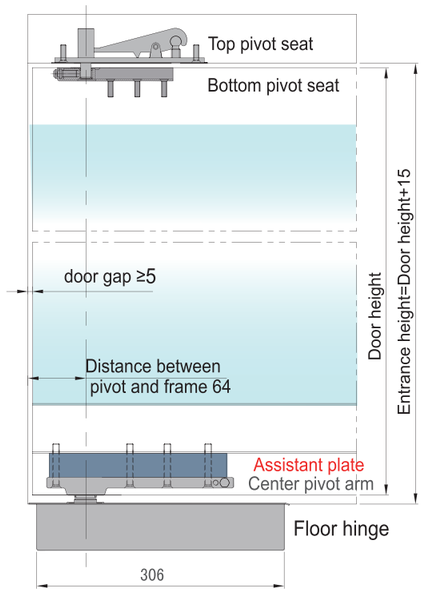
NO.	Diagram	Name	Quantity	Remark
1		Screw	4	Include one spare
2		Cover	1	Include seal shim
3		Anti-dust cover	1	
4		Main body	1	
5		Iron box	1	
6		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door， pls select the standard accessories

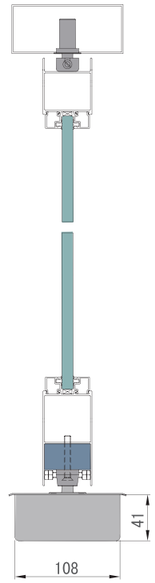
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Medium sized patch fitting	P75
3	Precise sized patch fitting	P76-P79
4	Long patch fitting	P80-P82
5	Brackets	P83-P86

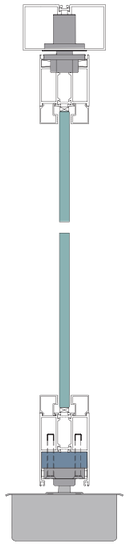
Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

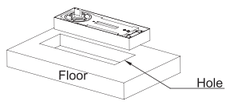
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

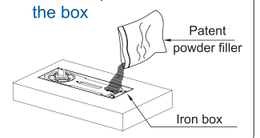
① Put into the floor hinge



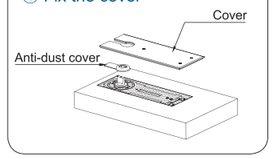
② Test the door



③ Pour the powder inside the box



④ Fix the cover





HD407 Floor hinge

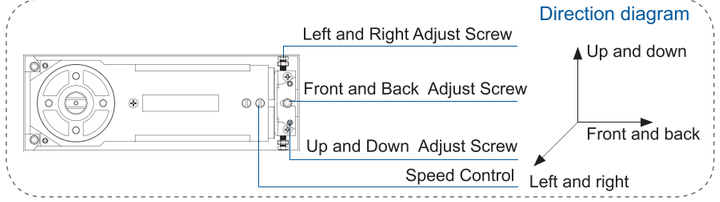
- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Pass the test of EN1154 door closing detection
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°
Door width	1400～1800mm
Maximum loading	200Kg

Max open degree	130°
Life cycle	>1000000 cycles
Speed control	Two speed section
Structure of main body	Double cylinder

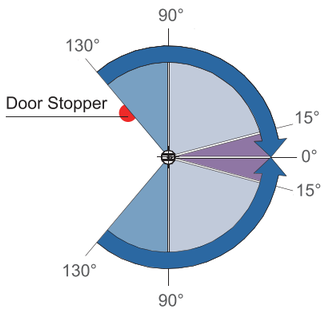
Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	14° or 6°
Surface finish	Hairline

Direction diagram



Direction diagram	Adjustment
Up and down	5mm
Front and back	8mm
Left and right	6mm

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

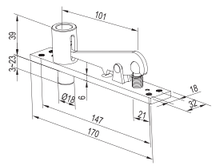
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

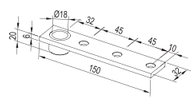


■ DS04 Top pivot seat



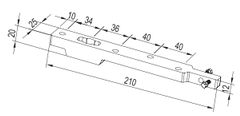


■ DX04 Bottom pivot seat





■ DY05 Center pivot arm



Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

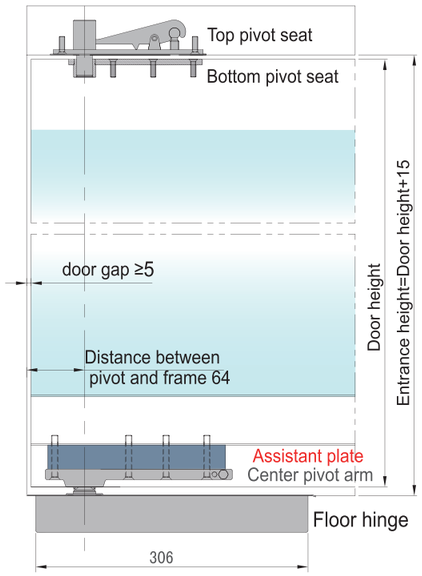
NO.	Diagram	Name	Quantity	Remark
1		Screw	4	Include one spare
2		Cover	1	Include seal shim
3		Anti-dust cover	1	
4		Main body	1	
5		Iron box	1	
6		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door，pls select the standard accessories

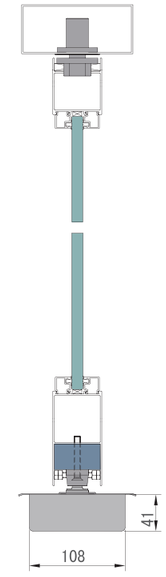
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Short patch fitting	P73-P74
2	Medium sized patch fitting	P75
3	Precise sized patch fitting	P76-P79
4	Long patch fitting	P80-P82
5	Brackets	P83-P86

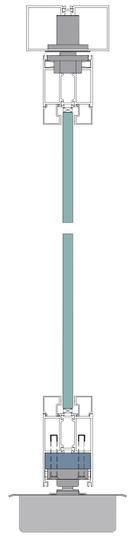
Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

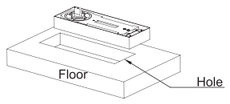
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

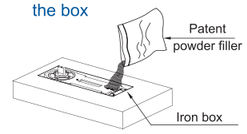
① Put it into the floor hinge



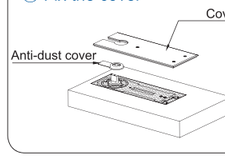
② Test the door



③ Pour the powder inside the box



④ Fix the cover





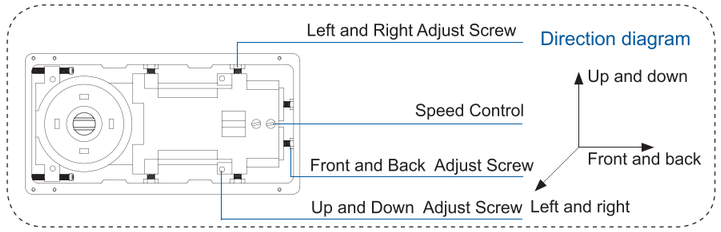
HD508A Floor hinge

- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°
Door width	1200～1300mm
Maximum loading	250Kg

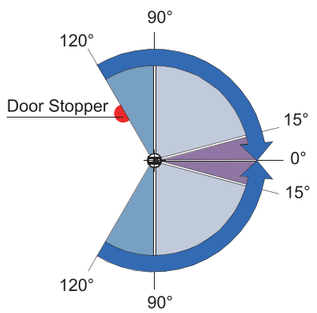
Max open degree	120°
Life cycle	>500000 cycles
Speed control	Two speed section
Structure of main body	Double cylinder

Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	14° or 6°
Surface finish	Hairline



Direction diagram	Adjustment
Up and down	5mm
Front and back	5mm
Left and right	2mm

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

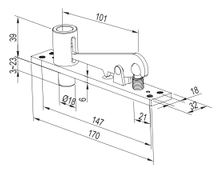
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

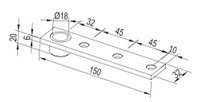


■ DS04 Top pivot seat



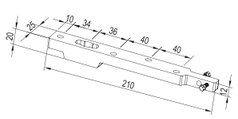


■ DX04 Bottom pivot seat





■ DY05 Center pivot arm



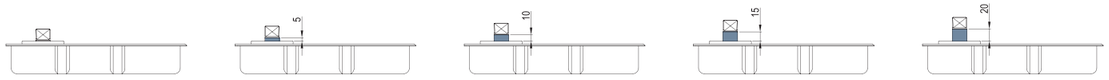
Floor hinge with Acc



Floor hinge without Acc



Spindle can be heightened;please advise if required



Material list

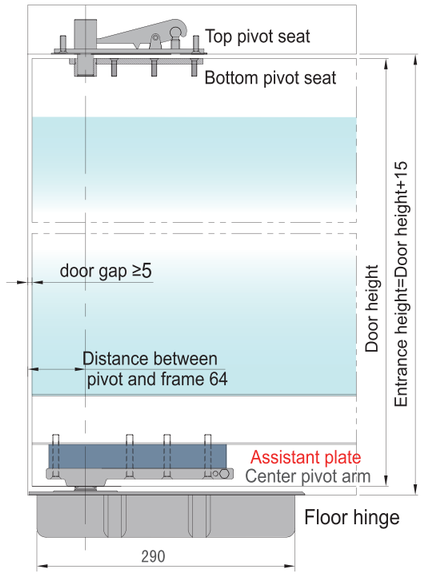
NO.	Diagram	Name	Quantity	Remark
1		Screw	7	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

◆When it is used for the wooden door,metal door,frame door，pls select the standard accessories

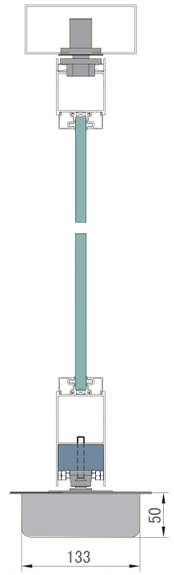
◆When it is used for the frameless door,pls select pivot hinge

NO.	Products	Page
1	Precise sized patch fitting	P76-P79
2	Long patch fitting	P80-P82
3	Brackets	P85-P86

Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

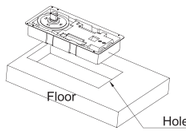
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

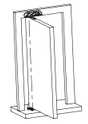
2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

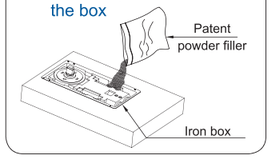
① Put it into the floor hinge



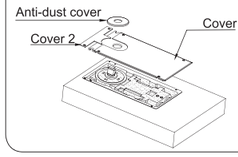
② Test the door



③ Pour the powder inside the box



④ Fix the cover





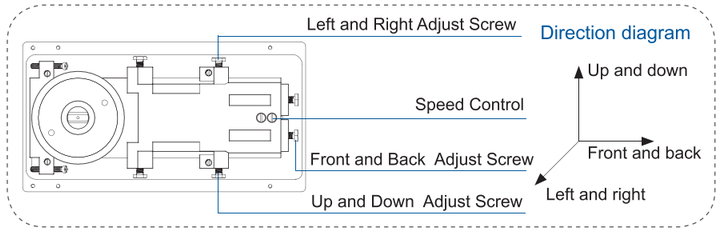
HD608 Floor hinge

- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°
Door width	1200～1400mm
Maximum loading	300Kg

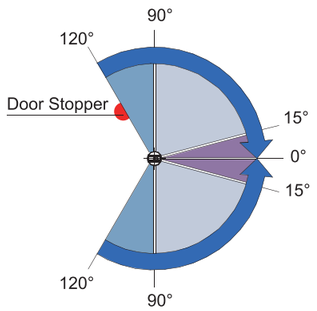
Max open degree	120°
Life cycle	>500000 cycles
Speed control	Two speed section
Structure of main body	Double cylinder

Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	14°
Surface finish	Hairline



Direction diagram	Adjustment
Up and down	5mm
Front and back	5mm
Left and right	10mm

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

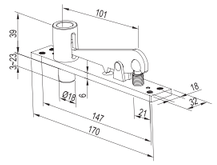
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

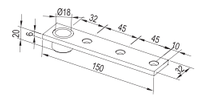


■ DS04 Top pivot seat



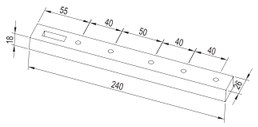


■ DX04 Bottom pivot seat





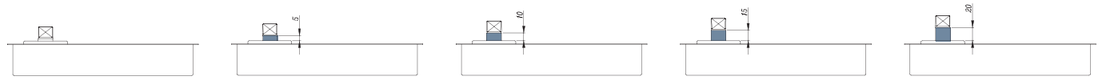
■ DY08 Center pivot arm



Floor hinge with Acc



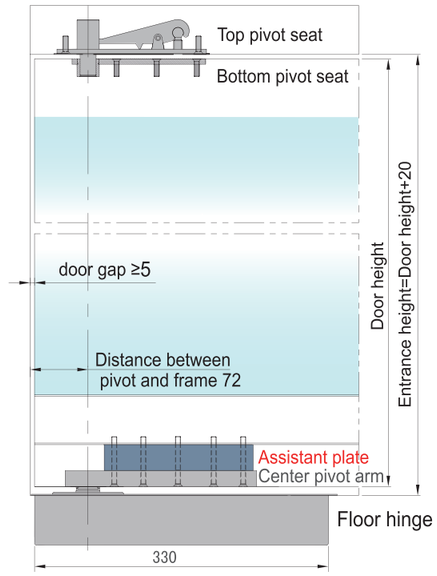
Spindle can be heightened;please advise if required



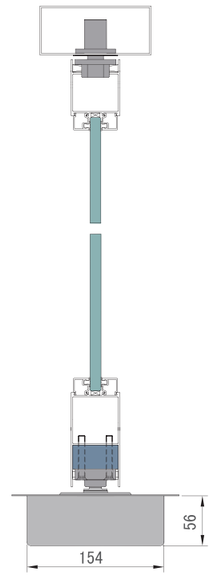
Material list

NO.	Diagram	Name	Quantity	Remark
1		Screw	7	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

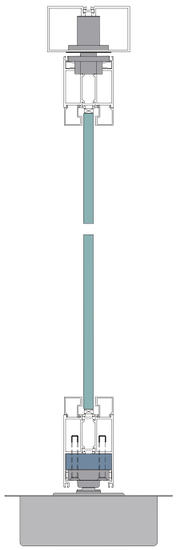
Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

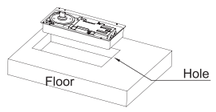
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

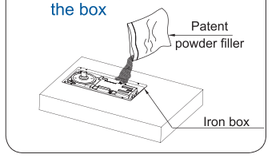
① Put it into the floor hinge



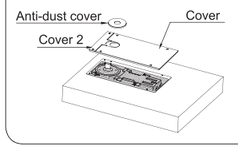
② Test the door



③ Pour the powder inside the box



④ Fix the cover





HD609 Floor hinge

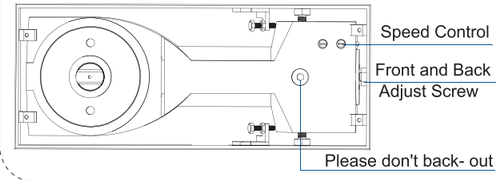
- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door.The single side
- open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

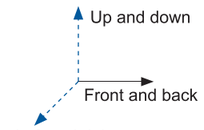
Suitable .Temperaturere	-30°C~50°C
Location style	90°
Door width	1200～1500mm
Maximum loading	350Kg

Max open degree	120°
Life cycle	>500000 cycles
Speed control	Two speed section
Structure of main body	Single cylinder

Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	11°
Surface finish	Satin

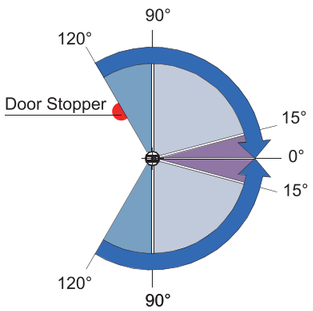
Direction diagram





Direction diagram	Adjustment
Up and down	—
Front and back	5mm
Left and right	—

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

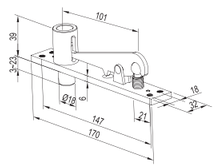
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

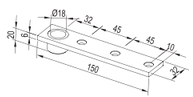


■ DS04 Top pivot seat

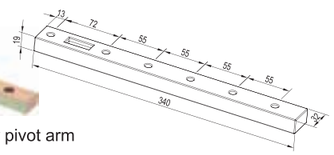




■ DX04 Bottom pivot seat







■ DY06 Center pivot arm

Floor hinge with Acc



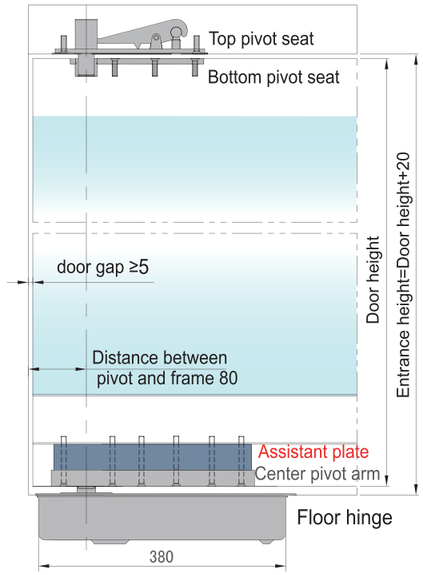
Spindle can be heightened;please advise if required



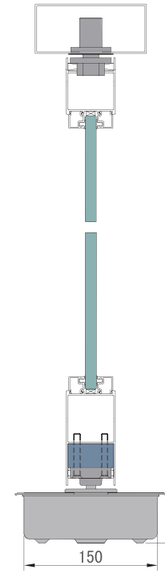
Material list

NO.	Diagram	Name	Quantity	Remark
1		Screw	5	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

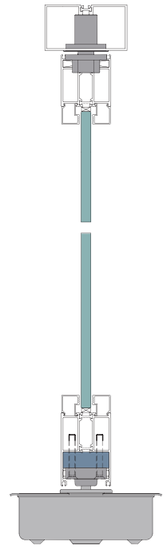
Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing



Insulation profile section drawing

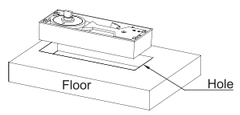
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

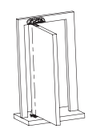
2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

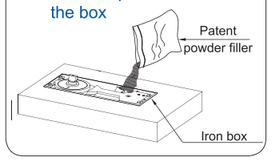
① Put it into the floor hinge



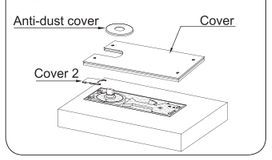
② Test the door



③ Pour the powder inside the box



④ Fix the cover





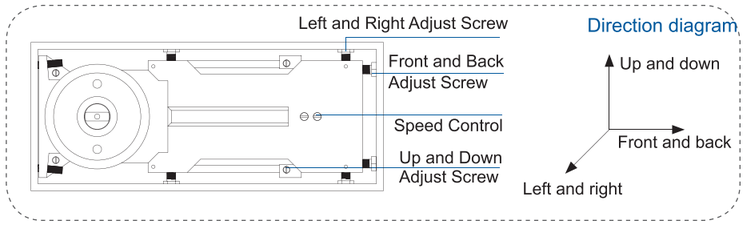
HD610 Floor hinge

- Pass the test of industrial standard QB/T 2697
- Pass the test of SGS & PONY
- Originate the special filler ,anti-rust,water proof,keep warm, insect prevention
- It can be used on both left and right side door
- The single side open can be achieved by additional accessories
- Suit for wooden door,glass door,metal door,frame door

Suitable .Temperaturere	-30°C~50°C
Location style	90°
Door width	1300～1600mm
Maximum loading	400Kg

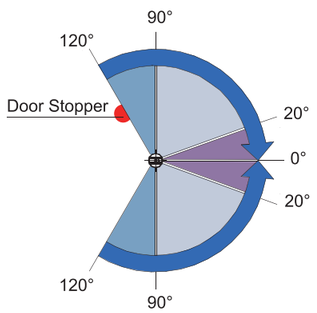
Max open degree	120°
Life cycle	>300000 cycles
Speed control	Two speed section
Structure of main body	Double cylinder

Main material	Carbon steel
Steel cover material/ thickness	SUS 304/2.0mm
Spindle	12°
Surface finish	Hairline



Direction diagram	Adjustment
Up and down	5mm
Front and back	7mm
Left and right	5mm

Opening diagram



Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

① 0°is closing , 90° is location ;

②Two-section adjustment of closing

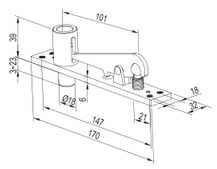
90°~ 15° is closing stage

15°~ 0° is locking stage

Pivot hinges

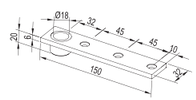


■ DS04 Top pivot seat

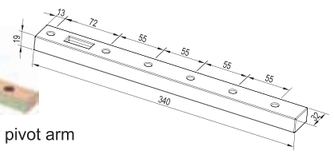




■ DX04 Bottom pivot seat







■ DY06 Center pivot arm

Floor hinge with Acc



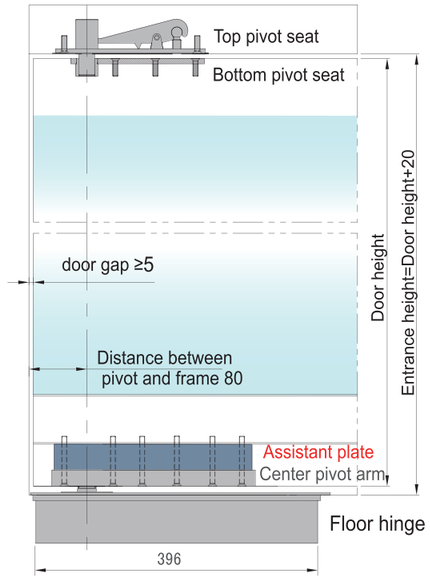
Spindle can be heightened;please advise if required



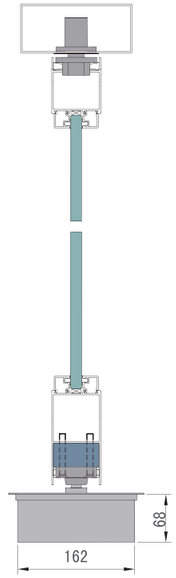
Material list

NO.	Diagram	Name	Quantity	Remark
1		Screw	5	Include one spare
2		Cover	1	Include seal shim
3		Cover 2	1	
4		Anti-dust cover	1	
5		Main body	1	
6		Iron box	1	
7		Spanner	Configuration by batch	

Installation



Horizontal joint drawing for Floor hinge door with frame



Standard profile section drawing

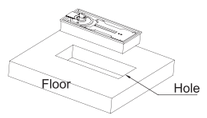
Note :

1.Standard products has no assistant plate,thickness of assistant plate is based on the size of space inside profile

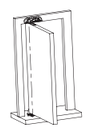
2.Insulation profile has no accessories,please the detail on page37

Usage of powder filler

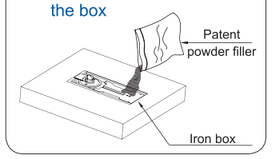
① Put it into the floor hinge



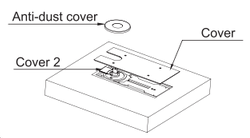
② Test the door



③ Pour the powder inside the box



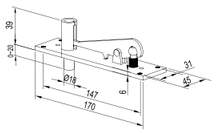
④ Fix the cover



Special for insulation profile

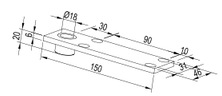
■ DS07 Top pivot seat





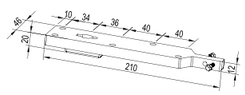
■ DX07 Bottom pivot seat





■ DY07 Center pivot arm

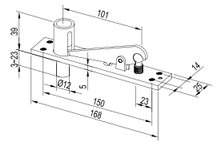




Special for circular tube profile

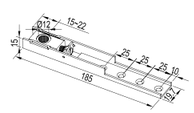
■ DS03 Top pivot seat





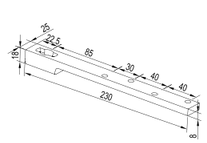
■ DX09 Bottom pivot seat





■ DY09 Center pivot arm





Note:
Please select the products based on the actual door weight,width,wrong choice will influence the Life cycle
Glass weight(kg)=door area(㎡)*door thickness（mm）*density（2.56）
Glass door weight(kg)=glass weight+all the fittings' weight

Glass door weight list					
Common glass thickness	8mm	10mm	12mm	15mm	19mm
Weight per ㎡	20.5Kg	25.6Kg	30.7Kg	38.4Kg	48.6Kg



Floor hinge

Door Closer Series



Door Closer List

Diagram	Code	Location Style	Door Width	Maximum Loading	Service life	Speed Control
	YB301	Hold can be anywhere and withdrawn	650~900mm	45Kg	>500000 cycles	Two speed section
	YB305	Hold can be anywhere and withdrawn	850~1100mm	65Kg	>500000 cycles	Two speed section
	YB306	Hold can be anywhere and withdrawn	1000~1250mm	85Kg	>500000 cycles	Two speed section
	B103	Non-hold	850~1100mm	65Kg	>500000 cycles	Two speed section
	B104	Non-hold	1000~1250mm	85Kg	>500000 cycles	Two speed section
	B401	Non-hold	650~900mm	45Kg	>500000 cycles	Two speed section
	B415	Non-hold	1150~1400mm	120Kg	>500000 cycles	Two speed section
	B424	Non-hold	850~950mm	65Kg	>500000 cycles	Two speed section
	B424	Non-hold	900~1050mm	85Kg	>500000 cycles	Two speed section
	B701	Non-hold	650~900mm	45Kg	>500000 cycles	Two speed section
	B703	Non-hold	850~1100mm	65Kg	>500000 cycles	Two speed section
	B802	Non-hold	650~900mm	45Kg	>500000 cycles	Two speed section
	B803	Non-hold	850~1100mm	65Kg	>500000 cycles	Two speed section
	B804	Non-hold	1000~1250mm	85Kg	>500000 cycles	Two speed section
	B902	Non-hold	650~900mm	45Kg	>500000 cycles	Two speed section
	B903	Non-hold	850~1100mm	65Kg	>500000 cycles	Two speed section
	B904	Non-hold with function of buffer and time delay	1000~1250mm	85Kg	>500000 cycles	Two speed section
	B906	Non-hold with function of buffer and time delay	1300~1800mm	150Kg	>500000 cycles	Two speed section
	BZ424	Hold can be anywhere and withdrawn	850~950mm	65Kg	>500000 cycles	Two speed section
	BZ424	Hold can be anywhere and withdrawn	900~1050mm	85Kg	>500000 cycles	Two speed section
	BZ701	Hold can be anywhere and withdrawn	650~900mm	45Kg	>500000 cycles	Two speed section
	BZ703	Hold can be anywhere and withdrawn	850~1100mm	65Kg	>500000 cycles	Two speed section
	BZ802	Hold can be anywhere and withdrawn	650~900mm	45Kg	>500000 cycles	Two speed section
	BZ803	Hold can be anywhere and withdrawn	850~1100mm	65Kg	>500000 cycles	Two speed section
	BZ804	Hold can be anywhere and withdrawn	1000~1250mm	85Kg	>500000 cycles	Two speed section
	BZ902	Hold can be anywhere and withdrawn	650~900mm	45Kg	>500000 cycles	Two speed section
	BZ903	Hold can be anywhere and withdrawn	850~1100mm	65Kg	>500000 cycles	Two speed section

Door Closel



YB301 / *YB305* / *YB306* Door Closer

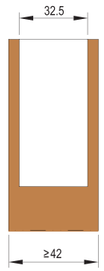
- Pass the test of industrial standard QB/T 2698
- Pass the test of public standard GA93
- Pass the test of industrial standard JG/T268
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

Technical parameter

Code	YB301	YB305	YB306
Location style	Hold can be anywhere and withdrawn	Hold can be anywhere and withdrawn	Hold can be anywhere and withdrawn
Door width	650~900mm	850~1100mm	1000~1250mm
Maximum loading	45Kg	65Kg	85Kg
life cycle	>500000 cycles	>500000 cycles	>500000 cycles
Suitable .Temperature	-30°C~50°C	-30°C~50°C	-30°C~50°C
Speed control	Two speed section	Two speed section	Two speed section

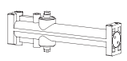
Door sash adjustment

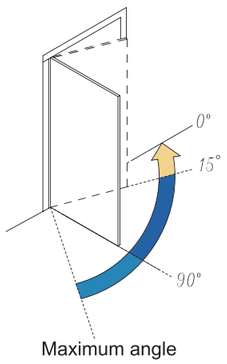
Required door thickness



Wooden Door

Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		Connecting rod	1	Standard accessories
3		Sliding rail	1	Standard accessories
4		Decoration panel	1	Standard accessories



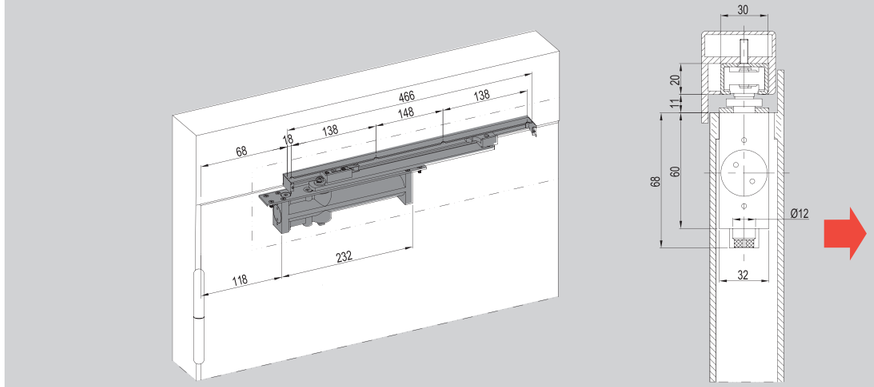
Maximum angle

Usage Performance

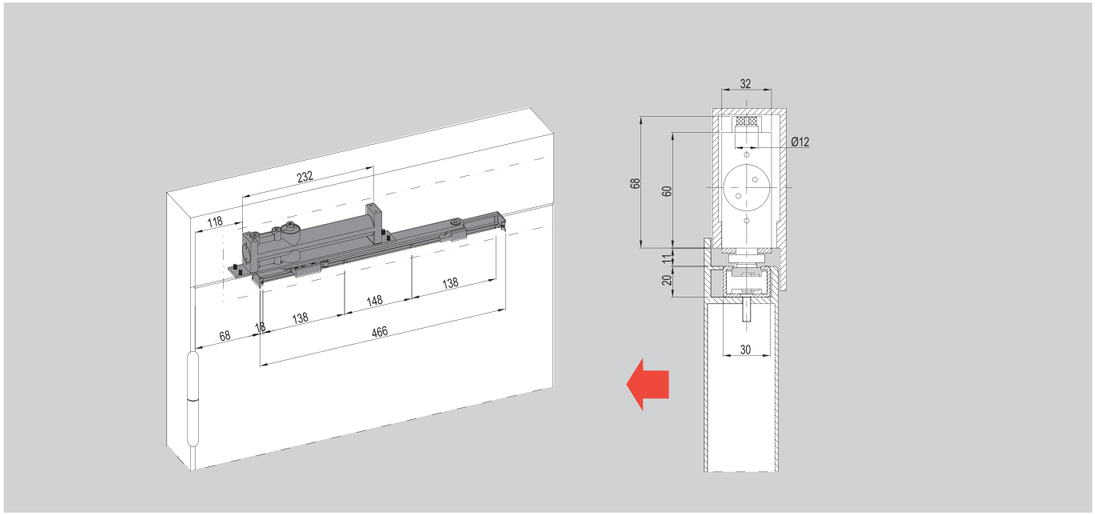
- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

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

Standard mounting Illustration



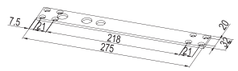
Lateral Installation Illustration



Decoration panel size



YB301



YB305/YB306



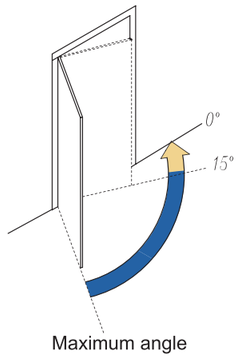
B103 Door Closer

- Pass the test of industrial standard QB/T 2698
- Pass the test of public standard GA93
- Pass the test of industrial standard JG/T268
- Exit door or fire door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

Technical parameter

Code	B103
Location style	Non-hold
Door width	850~1100mm
Maximum loading	65Kg
life cycle	>500000 cycles
Suitable .Temperature	-30°C~50°C
Speed control	Two speed section

Door sash adjustment

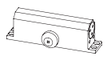


Usage Performance

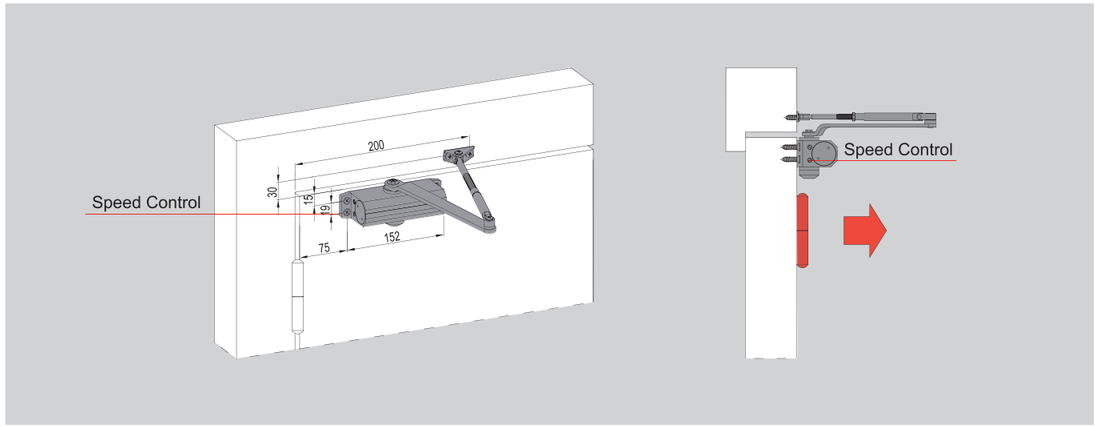
- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

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

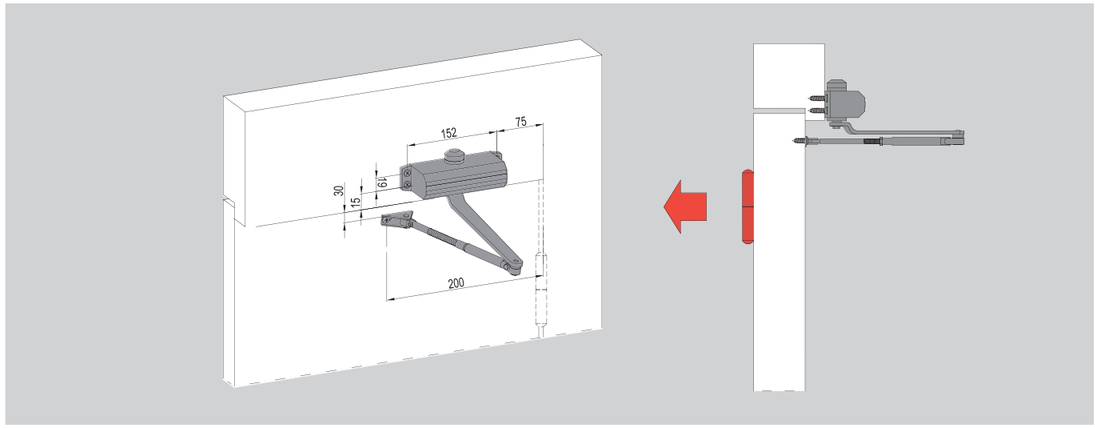
Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		connecting rod +swing arm	1	Standard accessories
3		Support holder BZJ05	1	selective accessories

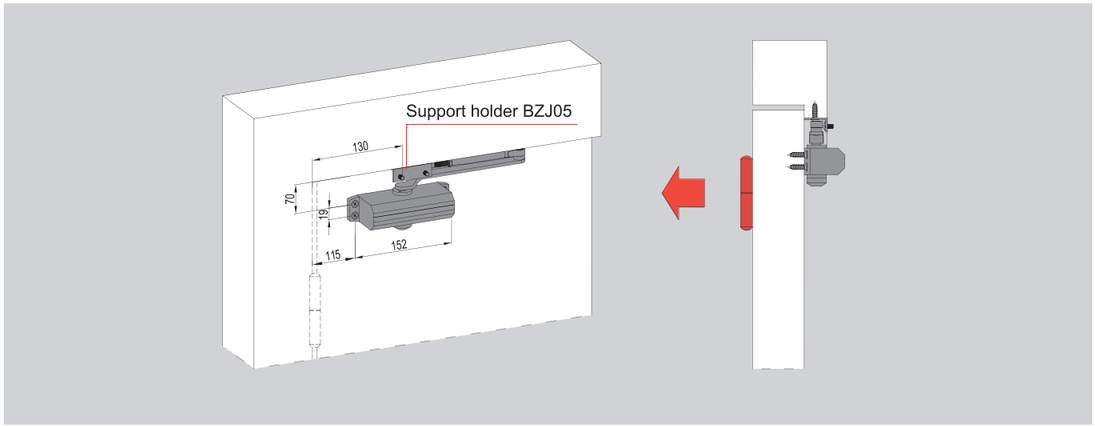
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



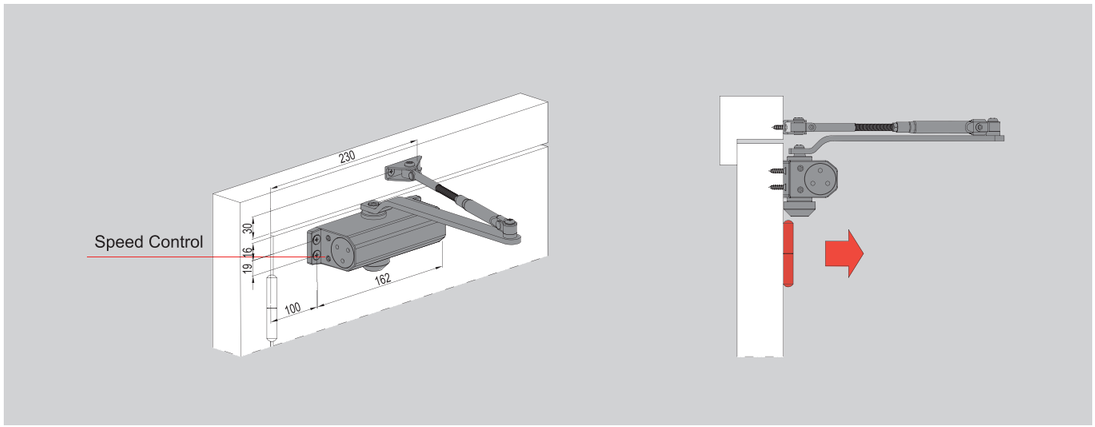
By changing installation size to adjust the open-door strength.



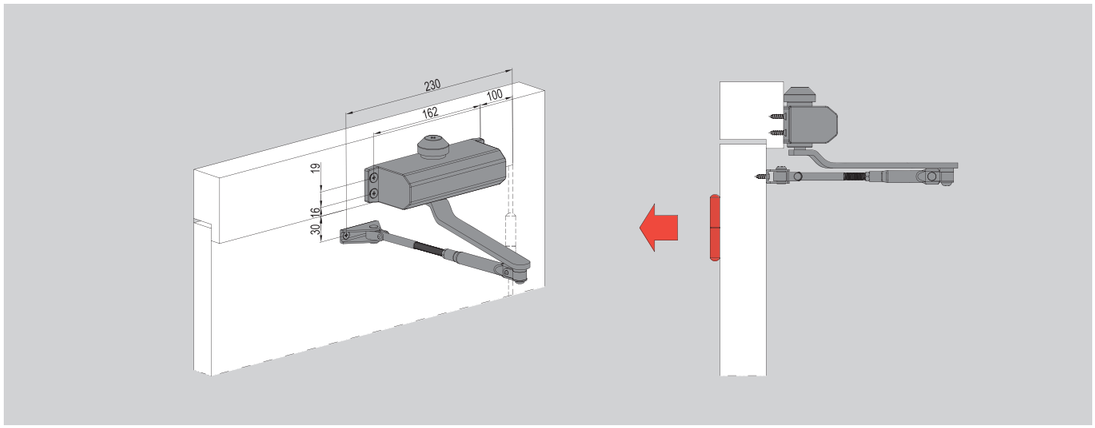
B104 Door Closer

- Pass the test of public standard GA93
- Pass the test of industrial standard JG/T268
- Exit door or fire door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

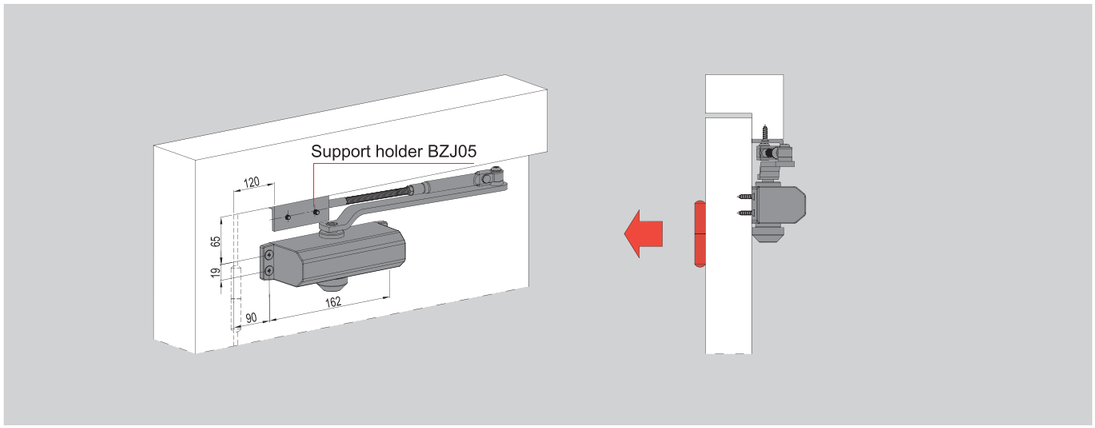
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration

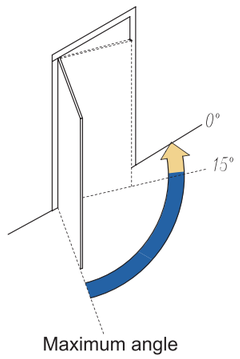


By changing installation size to adjust the open-door strength.

Technical parameter

Code	B104
Location style	Non-hold
Door width	1000~1250mm
Maximum loading	85Kg
life cycle	>300000 cycles
Suitable .Temperature	-30°C~50°C
Speed control	Two speed section

Door sash adjustment



Usage Performance

Speed-section 1 closed ;

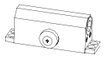
Speed-section 2 closed ;

Two-section adjustment of closing

90°~ 15° is closing stage

15°~ 0° is locking stage

Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		connecting rod +swing arm	1	Standard accessories
3		Support holder BZJ05	1	selective accessories



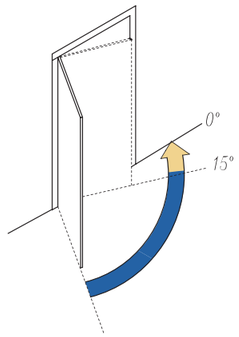
B401 Door Closer

- Pass the test of industrial standard QB/T 2698
- Pass the test of public standard GA93
- Pass the test of industrial standard JG/T268
- Exit door or fire door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

Technical parameter

Code	B401
Location style	Non-hold
Door width	650~900mm
Maximum loading	45Kg
life cycle	>500000 cycles
Suitable .Temperature	-30°C~50°C
Speed control	Two speed section

Door sash adjustment



Maximum angle

Usage Performance

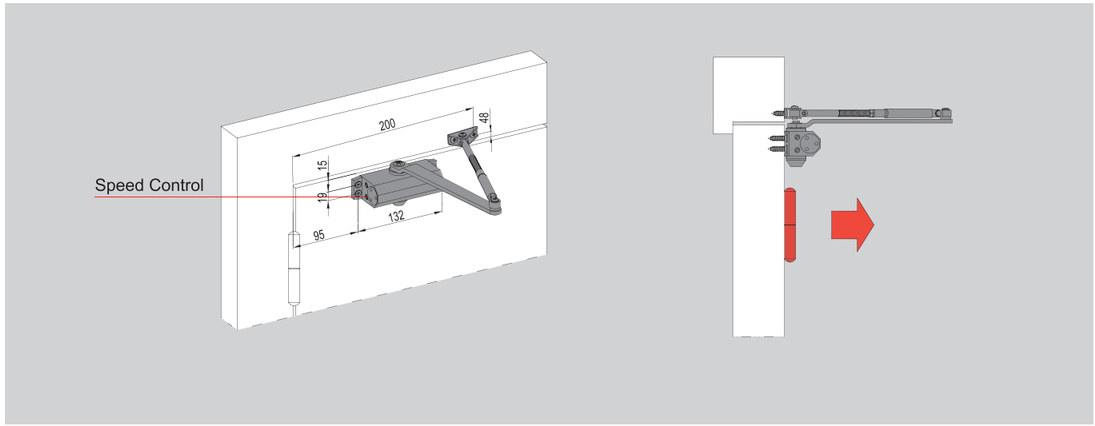
- Speed-section 1 closed ;
- Speed-section 2 closed ;

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

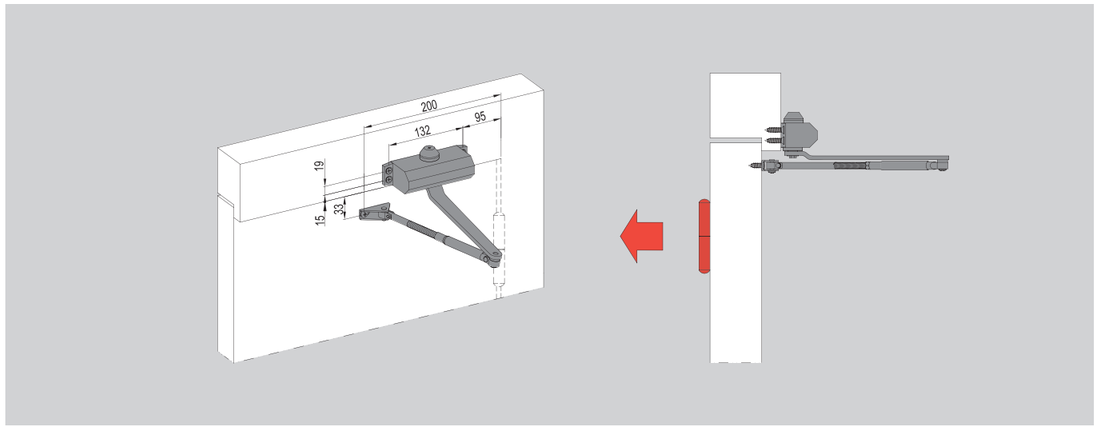
Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		connecting rod +swing arm	1	Standard accessories
3		Support holder BZJ05	1	selective accessories

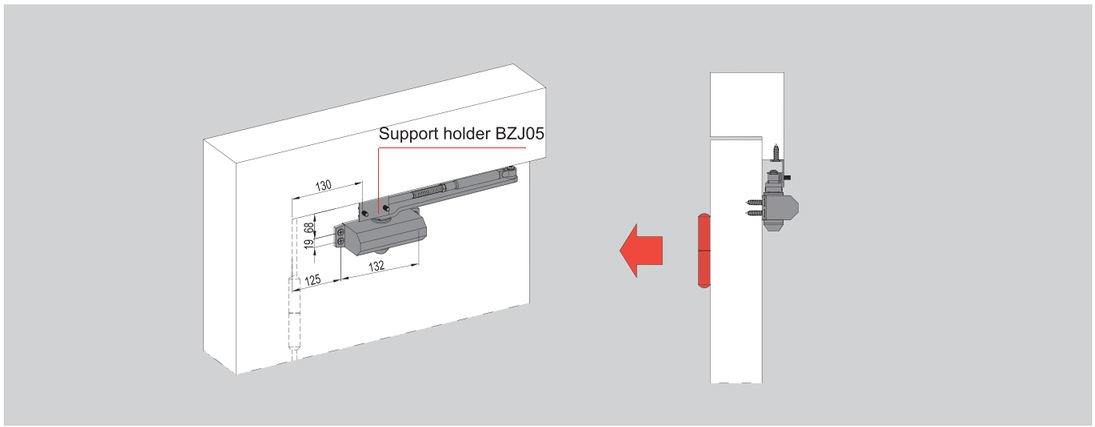
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.



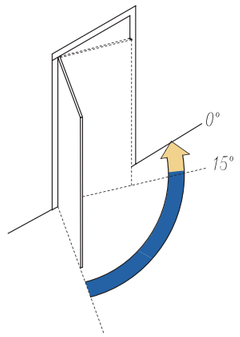
B415 Door Closer

- Pass the test of industrial standard QB/T 2698
- Pass the test of public standard GA93
- Pass the test of industrial standard JG/T268
- Exit door or fire door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

Technical parameter

Code	B415
Location style	Non-hold
Door width	1150~1400mm
Maximum loading	120Kg
life cycle	>500000 cycles
Suitable .Temperature	-30°C~50°C
Speed control	Two speed section

Door sash adjustment



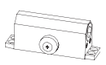
Maximum angle

Usage Performance

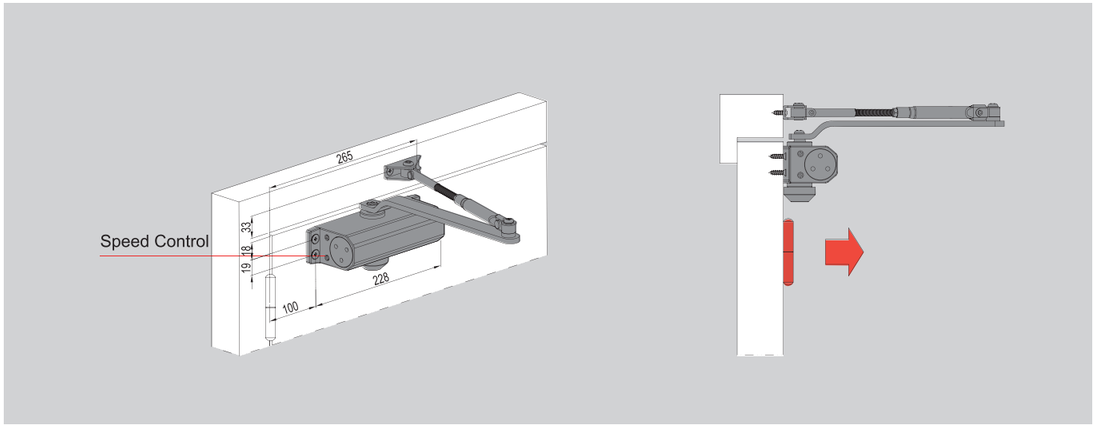
- Speed-section 1 closed ;
- Speed-section 2 closed ;

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

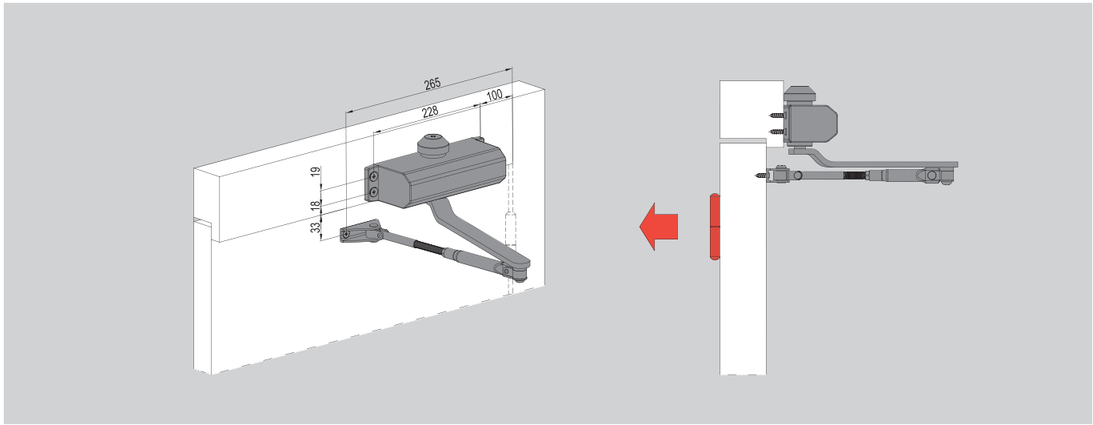
Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		connecting rod +swing arm	1	Standard accessories
3		Support holder BZJ05	1	selective accessories

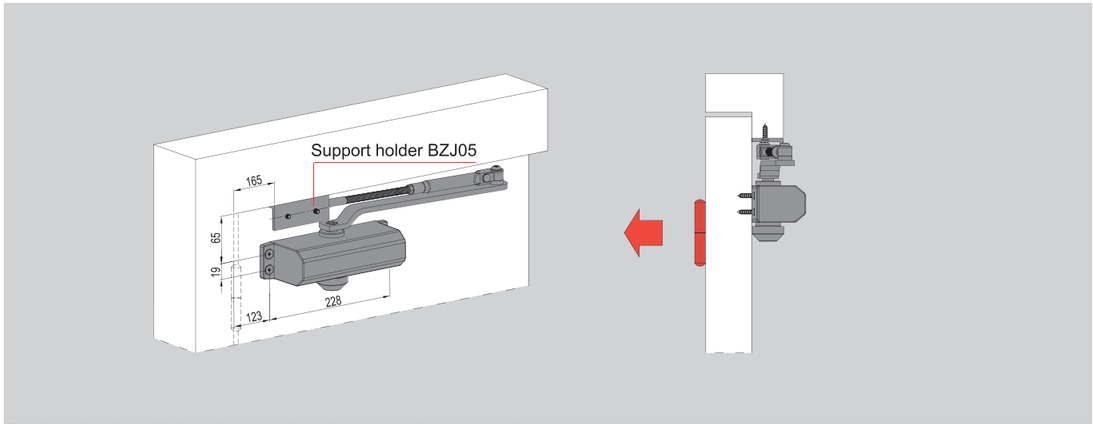
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.



B424 Door Closer

- Pass the test of industrial standard QB/T 2698
- Pass the test of public standard GA93
- Pass the test of industrial standard JG/T268
- Exit door or fire door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

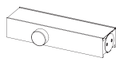
Technical parameter

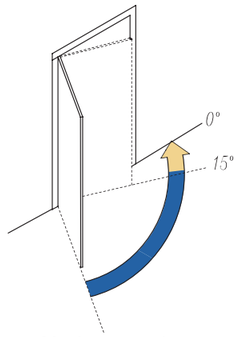
Code	B424
Location style	Non-hold
Door width	850~950mm
Maximum loading	65Kg
life cycle	>500000 cycles
Suitable .Temperature	-30°C~50°C
Speed control	Two speed section

Door sash adjustment

Code	B424
Location style	Non-hold
Door width	900~1050mm
Maximum loading	85Kg
life cycle	>500000 cycles
Suitable .Temperature	-30°C~50°C
Speed control	Two speed section

Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		connecting rod +swing arm	1	Standard accessories
3		Support holder BZJ05	1	selective accessories



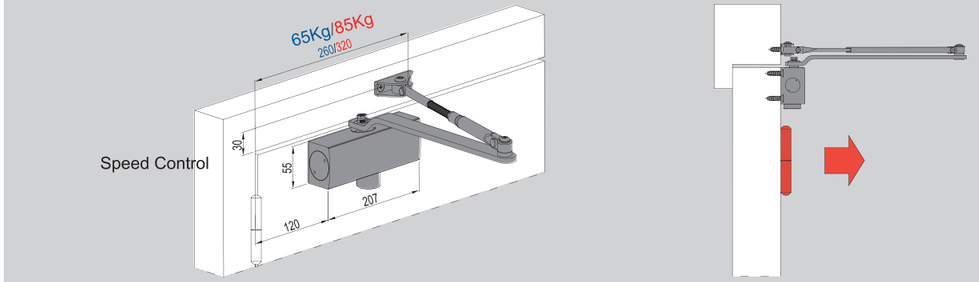
Maximum angle

Usage Performance

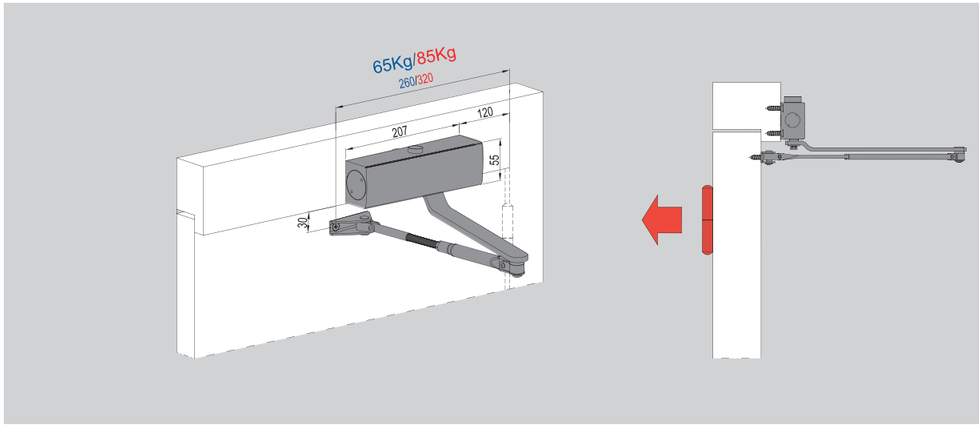
- Speed-section 1 closed ;
- Speed-section 2 closed ;

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

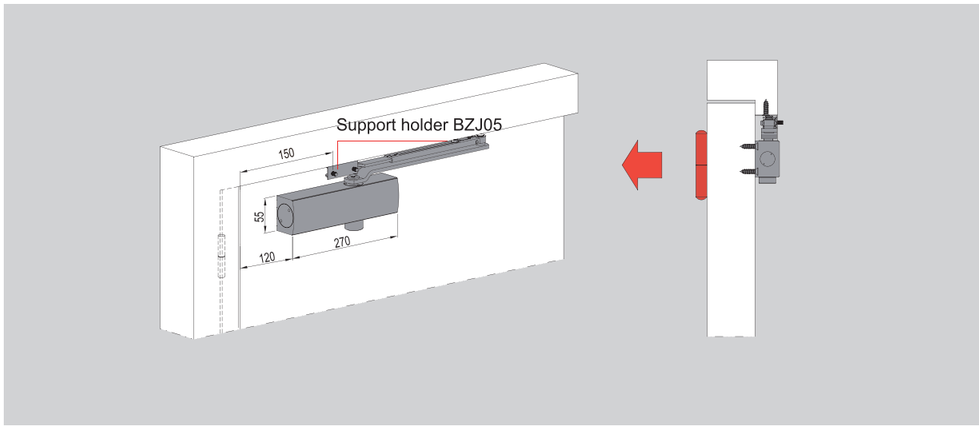
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.



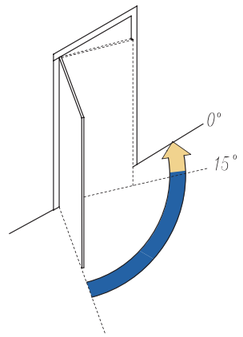
B701 / *B703* Door Closer

- Pass the test of industrial standard QB/T 2698
- Pass the test of public standard GA93
- Pass the test of industrial standard JG/T268
- Exit door or fire door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

Technical parameter

Code	B701	B703
Location style	Non-hold	Non-hold
Door width	650~900mm	850~1100mm
Maximum loading	45Kg	65Kg
life cycle	>500000 cycles	>500000 cycles
Suitable .Temperature	-30°C~50°C	-30°C~50°C
Speed control	Two speed section	Two speed section

Door sash adjustment



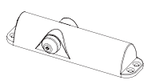
Maximum angle

Usage Performance

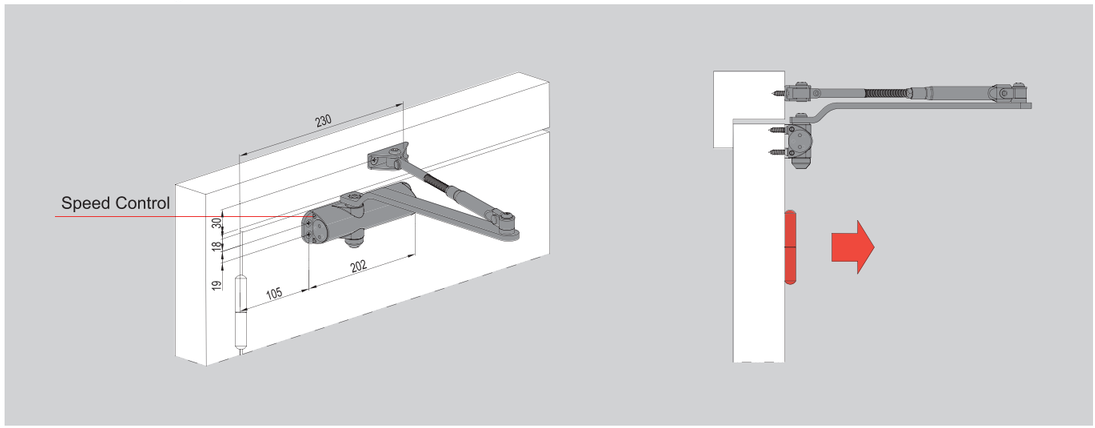
- Speed-section 1 closed ;
- Speed-section 2 closed ;

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

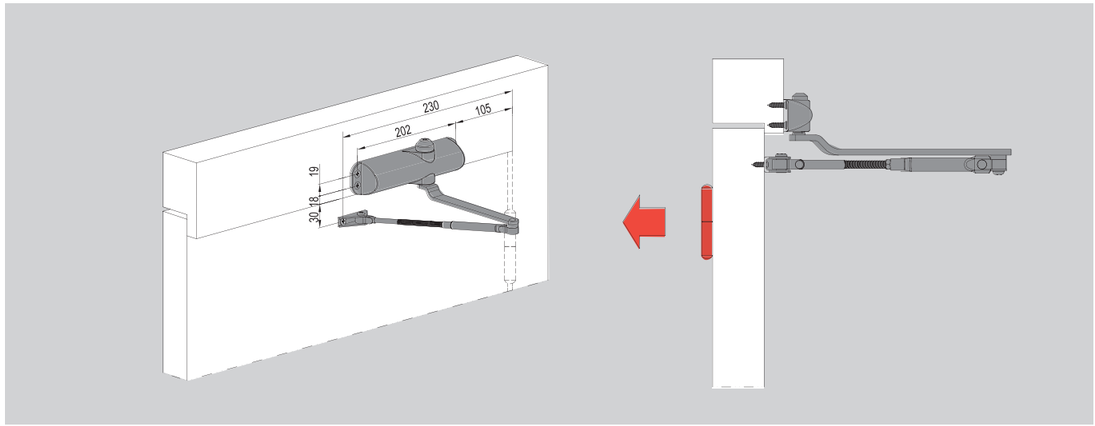
Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		connecting rod +swing arm	1	Standard accessories
3		Support holder BZJ05	1	selective accessories

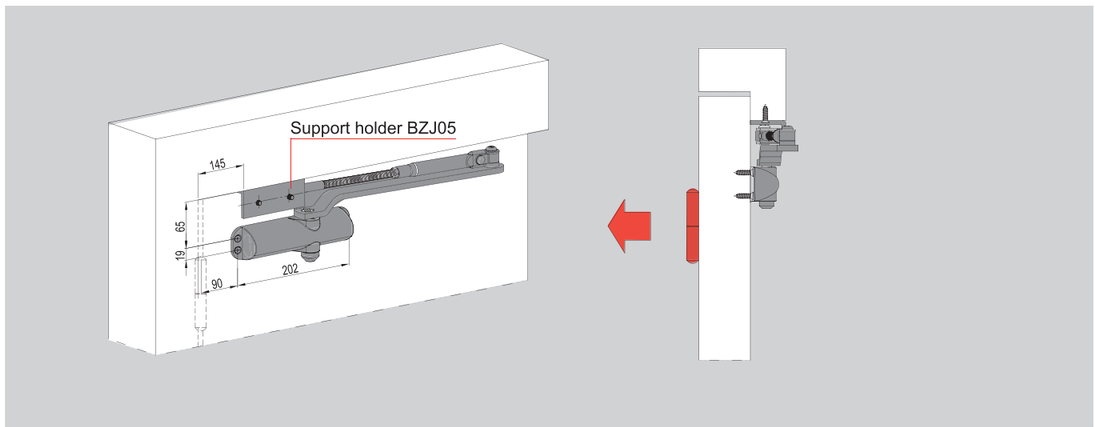
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.



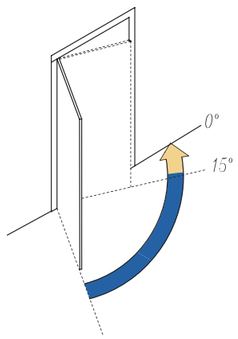
B802 Door Closer

- Pass the test of industrial standard QB/T 2698
- Pass the test of public standard GA93
- Pass the test of industrial standard JG/T268
- Exit door or fire door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

Technical parameter

Code	B802
Location style	Non-hold
Door width	650~900mm
Maximum loading	45Kg
life cycle	>500000 cycles
Suitable .Temperature	-30°C~50°C
Speed control	Two speed section

Door sash adjustment



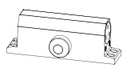
Maximum angle

Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;

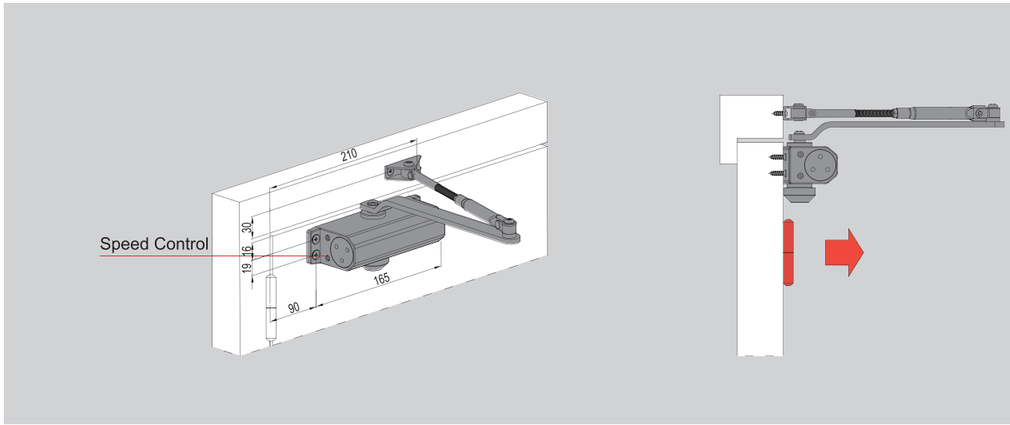
Two-section adjustment of closing
90°~ 15° is closing stage
15°~ 0° is locking stage

Material list

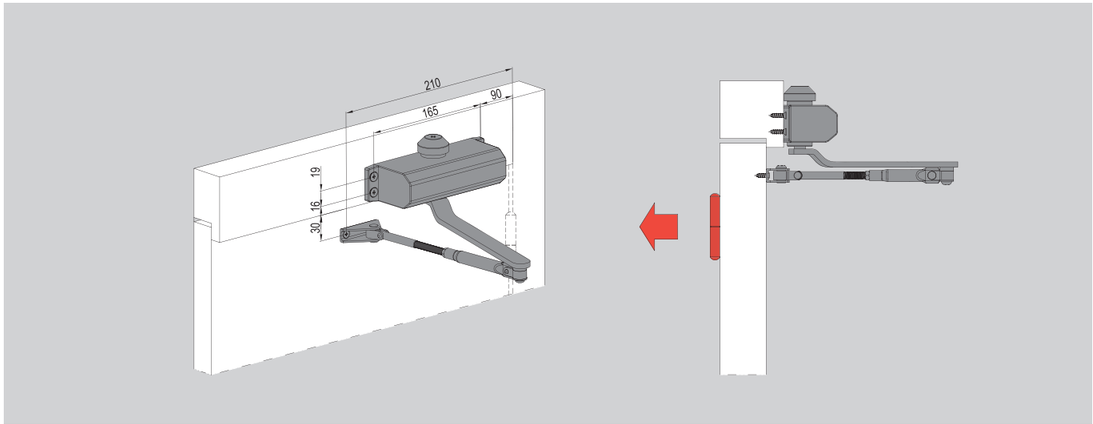
NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		connecting rod +swing arm	1	Standard accessories
3		Support holder BZJ05	1	selective accessories

平行支架BZJ05

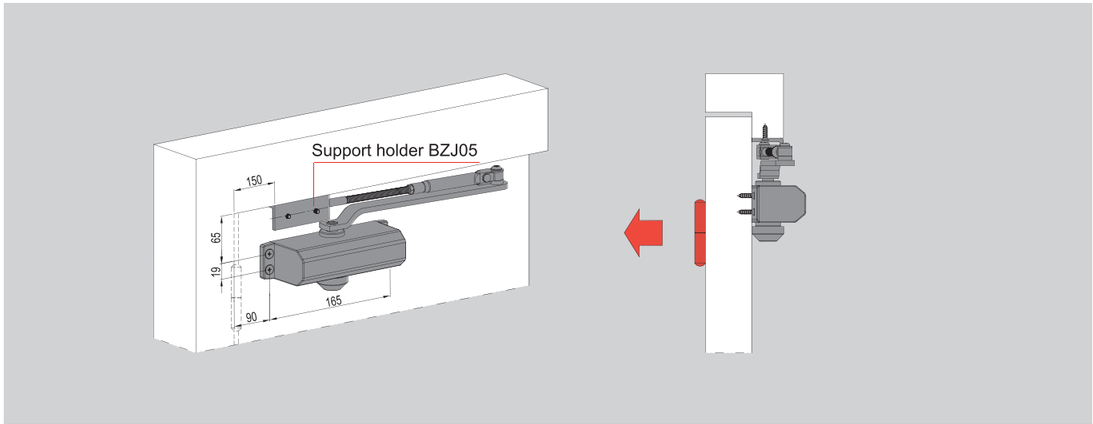
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.



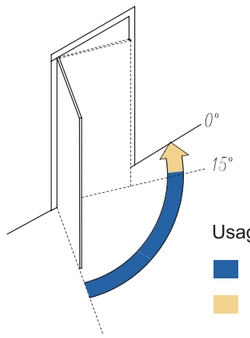
B803 / B804 Door Closer

- Pass the test of industrial standard QB/T 2698
- Pass the test of public standard GA93
- Pass the test of industrial standard JG/T268
- Exit door or fire door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

Technical parameter

Code	B803	B804
Location style	Non-hold	Non-hold
Door width	850~1100mm	1000~1250mm
Maximum loading	65Kg	85Kg
life cycle	>500000 cycles	>500000 cycles
Suitable .Temperature	-30°C~50°C	-30°C~50°C
Speed control	Two speed section	Two speed section

Door sash adjustment



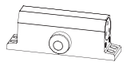
Maximum angle

Usage Performance

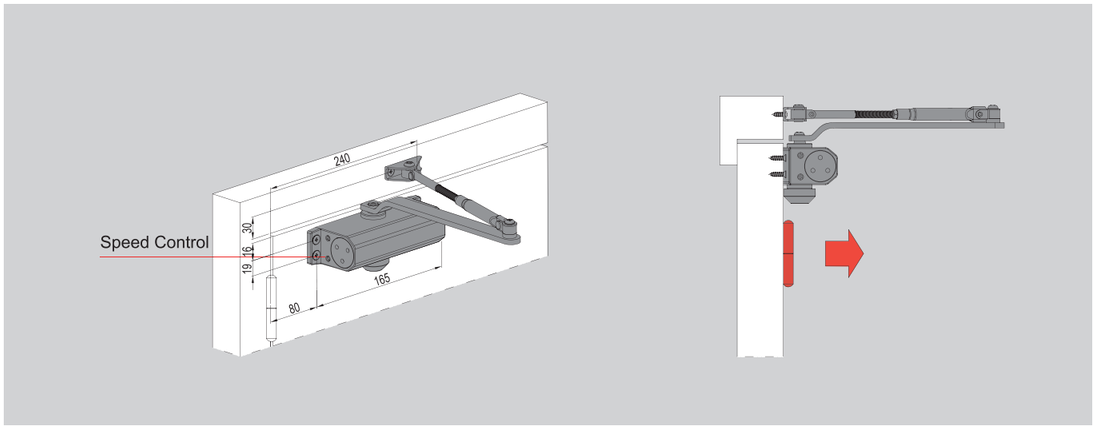
- Speed-section 1 closed ;
- Speed-section 2 closed ;

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

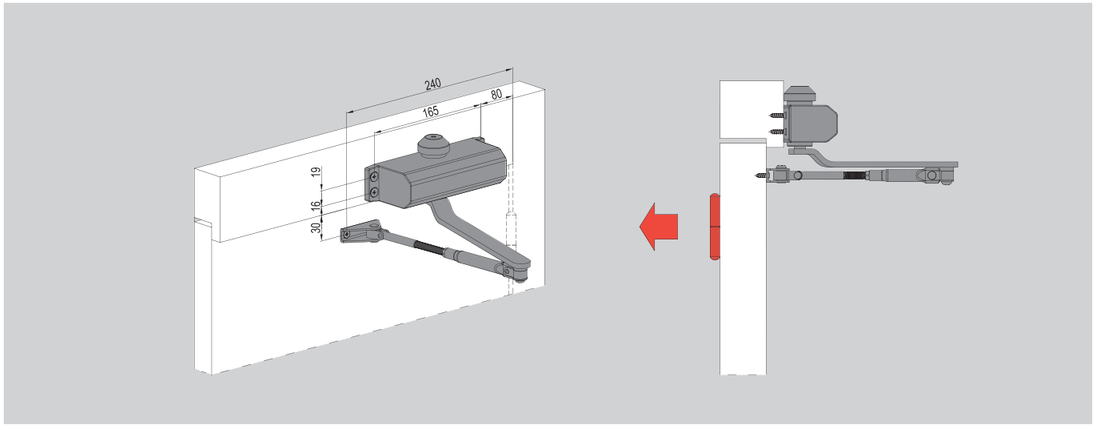
Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		connecting rod +swing arm	1	Standard accessories
3		Support holder BZJ05	1	selective accessories

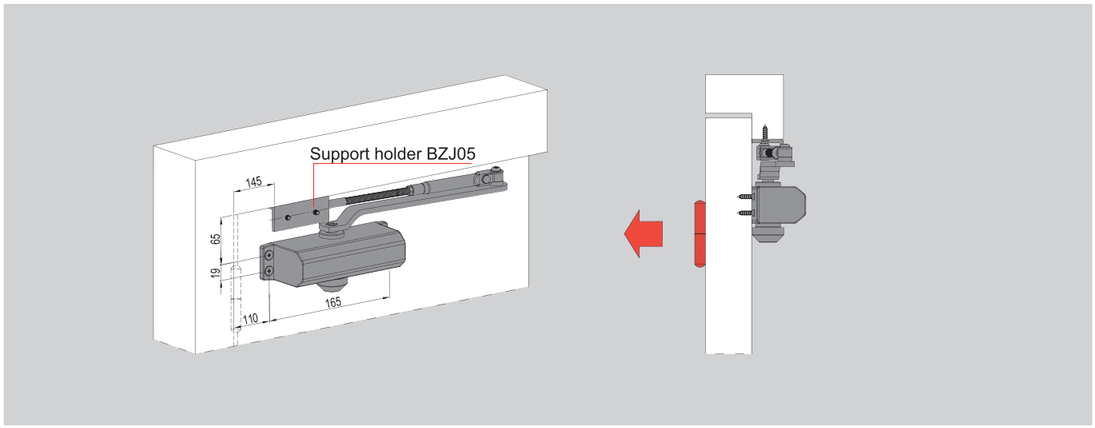
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.



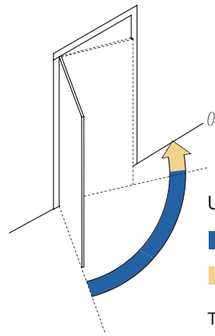
B902 / *B903* Door Closer

- Pass the test of industrial standard QB/T 2698
- Pass the test of public standard GA93
- Pass the test of industrial standard JG/T268
- Exit door or fire door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

Technical parameter

Code	B902	B903
Location style	Non-hold	Non-hold
Door width	650~900mm	850~1100mm
Maximum loading	45Kg	65Kg
life cycle	>500000 cycles	>500000 cycles
Suitable .Temperature	-30°C~50°C	-30°C~50°C
Speed control	Two speed section	Two speed section

Door sash adjustment



Maximum angle

Usage Performance

Speed-section 1 closed ;

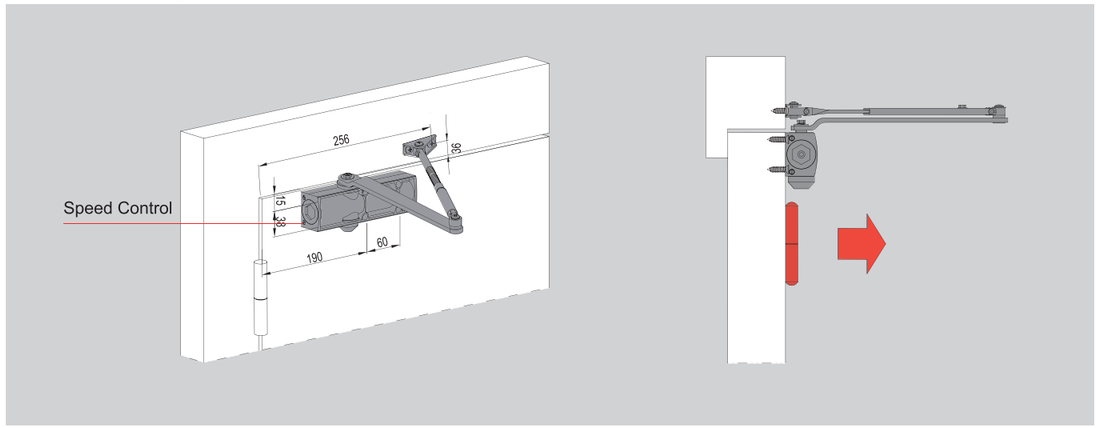
Speed-section 2 closed ;

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

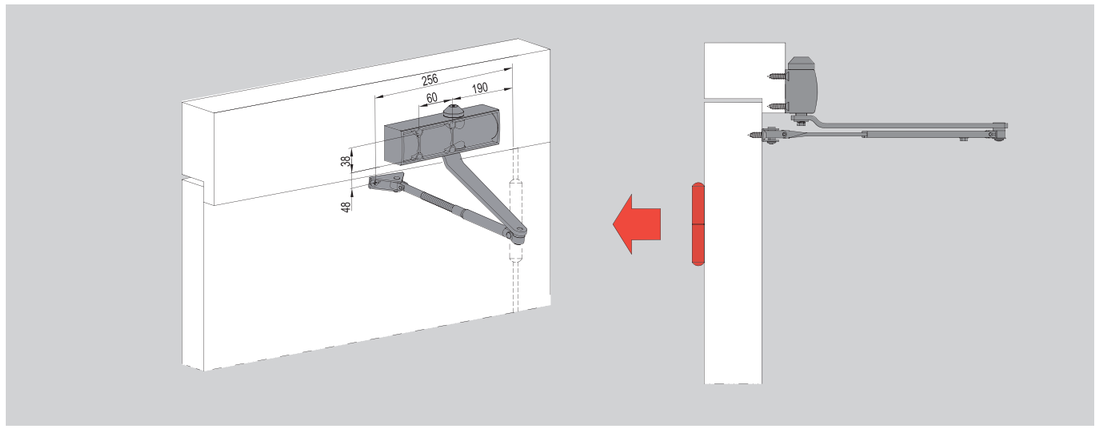
Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		connecting rod +swing arm	1	Standard accessories
3		Support holder BZJ05	1	selective accessories

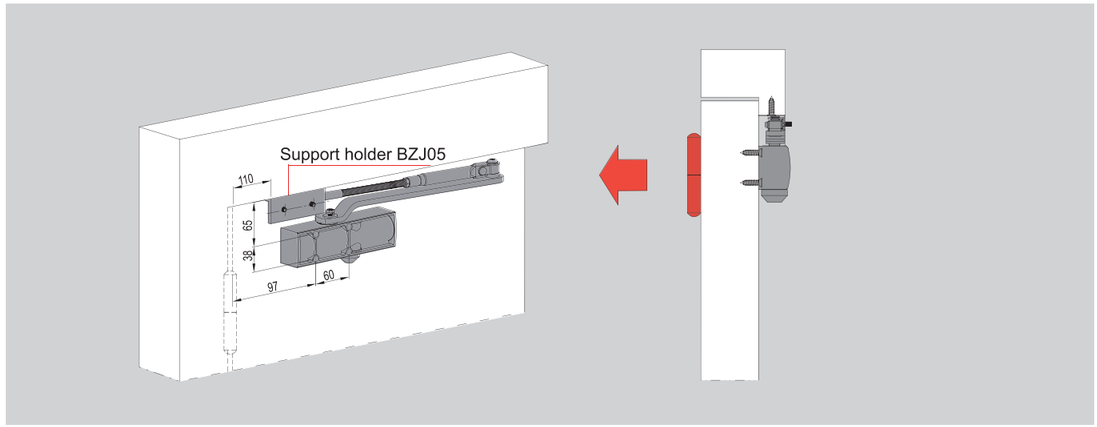
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.



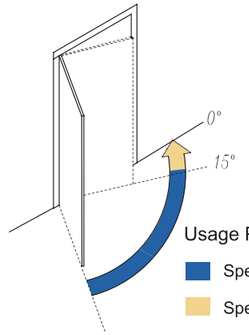
B904 / *B906* Door Closer

- Pass the test of industrial standard QB/T 2698
- Pass the test of public standard GA93
- Pass the test of industrial standard JG/T268
- Exit door or fire door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

Technical parameter

Code	B904	B906
Location style	Non-hold with function of buffer and time delay	
Door width	1000~1250mm	1300~1800mm
Maximum loading	85Kg	150Kg
life cycle	>500000 cycles	>500000 cycles
Suitable .Temperature	-30°C~50°C	-30°C~50°C
Speed control	Two speed section	Two speed section

Door sash adjustment



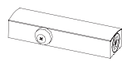
Usage Performance

- Speed-section 1 closed ;
- Speed-section 2 closed ;

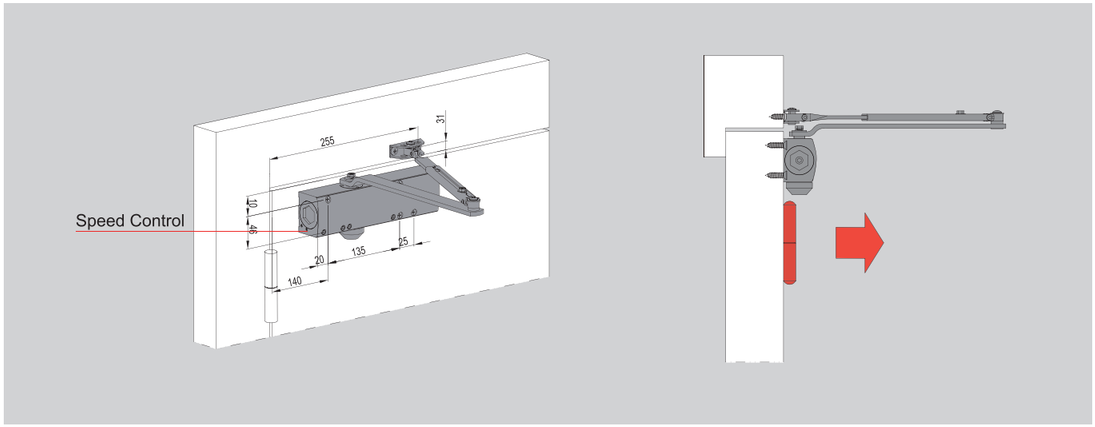
Maximum angle

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

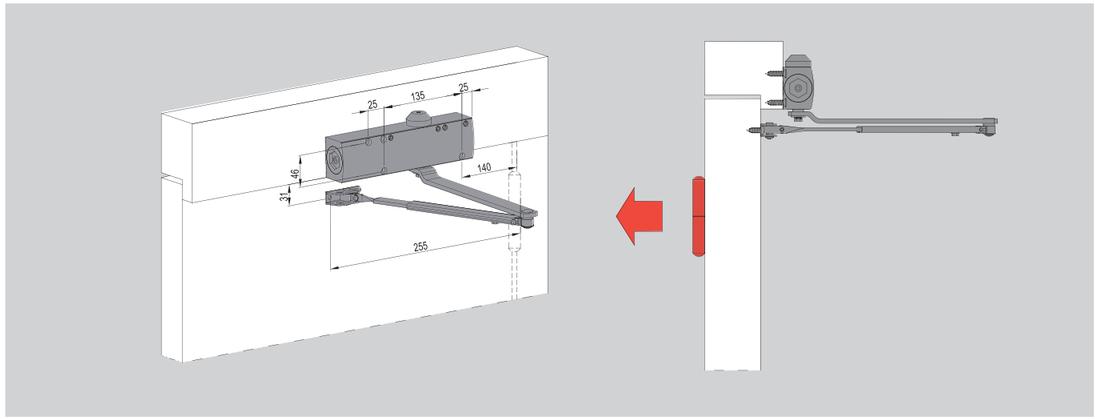
Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		connecting rod +swing arm	1	Standard accessories
3		Support holder BZJ05	1	selective accessories

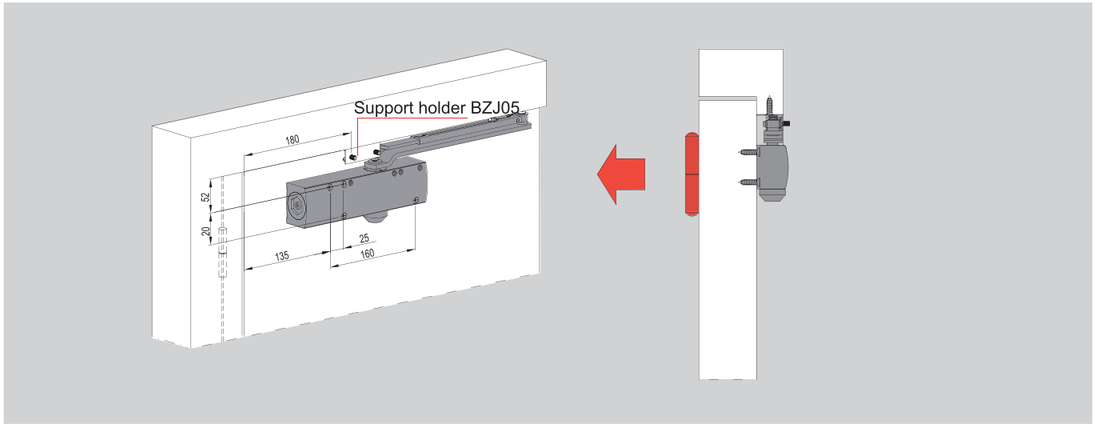
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.



BZ424 Door Closer

- Pass the test of industrial standard QB/T 2698
- Pass the test of industrial standard JG/T268
- Exit door or fire door must adopt the door closer without the hold function
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

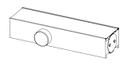
Technical parameter

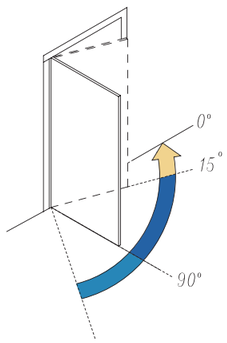
Code	BZ424
Location style	Hold can be anywhere and withdrawn
Door width	850~950mm
Maximum loading	65Kg
life cycle	>500000 cycles
Suitable .Temperature	-30°C~50°C
Speed control	Two speed section

Door sash adjustment

Code	BZ424
Location style	Hold can be anywhere and withdrawn
Door width	900~1050mm
Maximum loading	85Kg
life cycle	>500000 cycles
Suitable .Temperature	-30°C~50°C
Speed control	Two speed section

Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		Connecting rod	1	Standard accessories
3		Sliding rail	1	Standard accessories



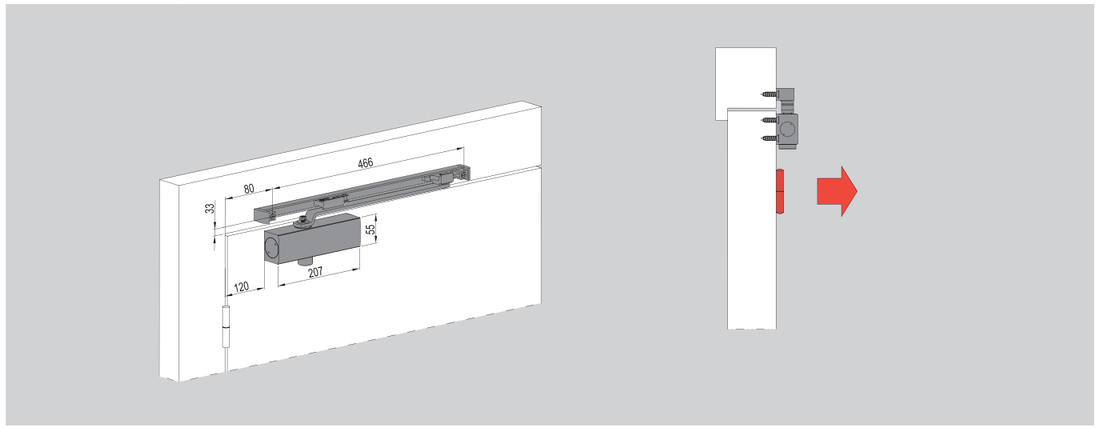
Maximum angle

Usage Performance

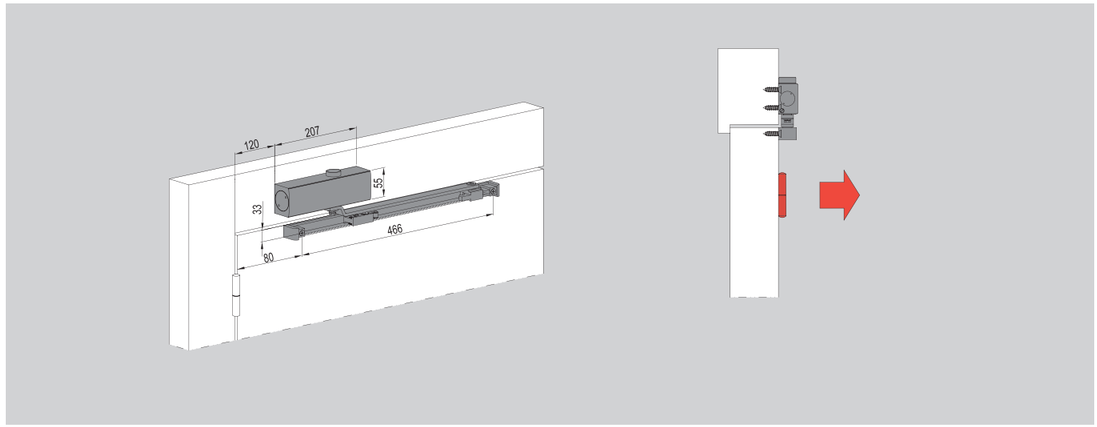
- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

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

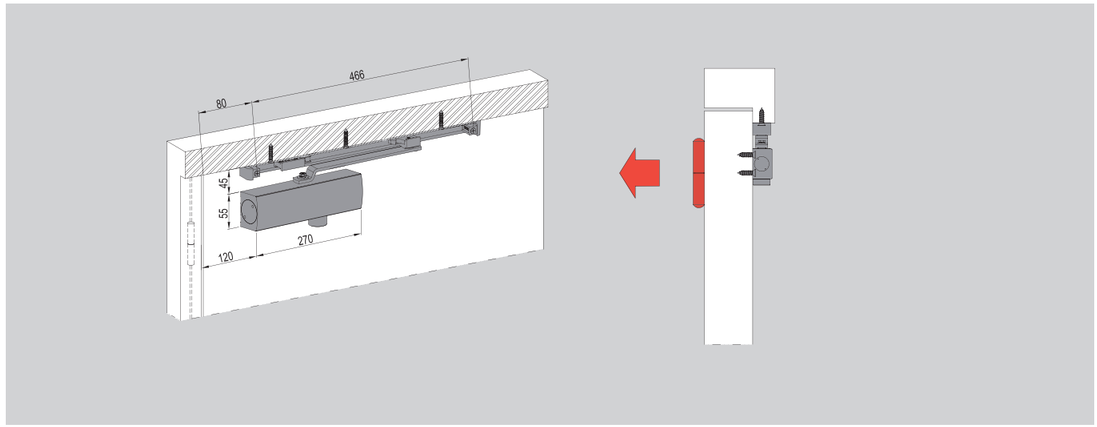
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.



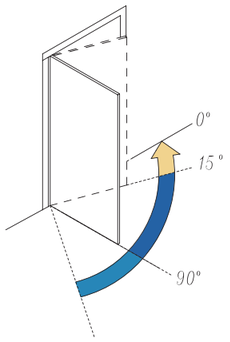
BZ701 / ***BZ703*** Door Closer

- Pass the test of industrial standard QB/T 2698
- Pass the test of industrial standard JG/T268
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

Technical parameter

Code	BZ701	BZ703
Location style	Hold can be anywhere and withdrawn	
Door width	650~900mm	850~1100mm
Maximum loading	45Kg	65Kg
life cycle	>500000 cycles	>500000 cycles
Suitable .Temperature	-30°C~50°C	-30°C~50°C
Speed control	Two speed section	Two speed section

Door sash adjustment



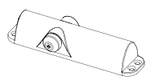
Maximum angle

Usage Performance

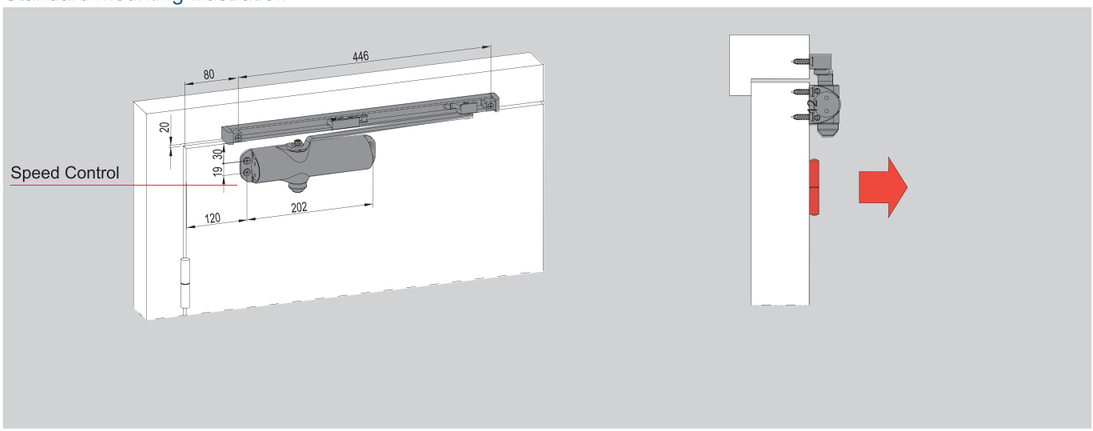
- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

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

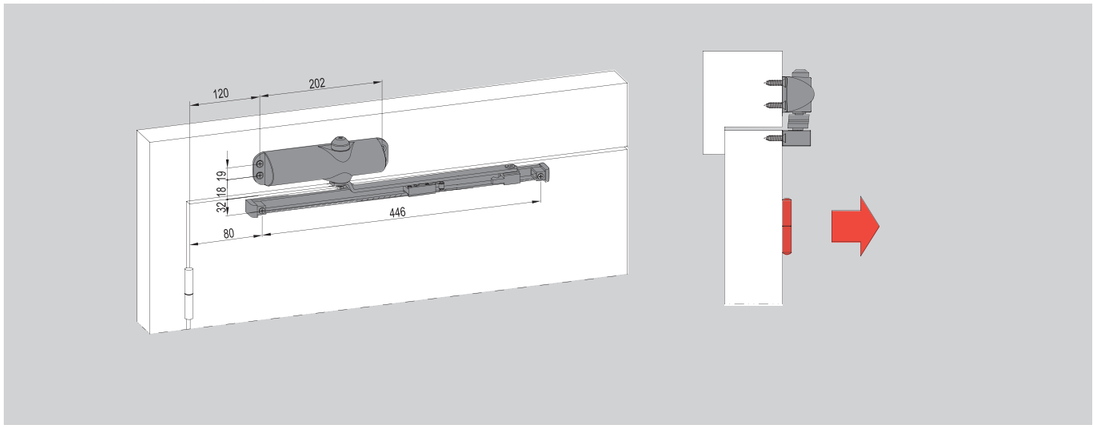
Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		Connecting rod	1	Standard accessories
3		Sliding rail	1	Standard accessories

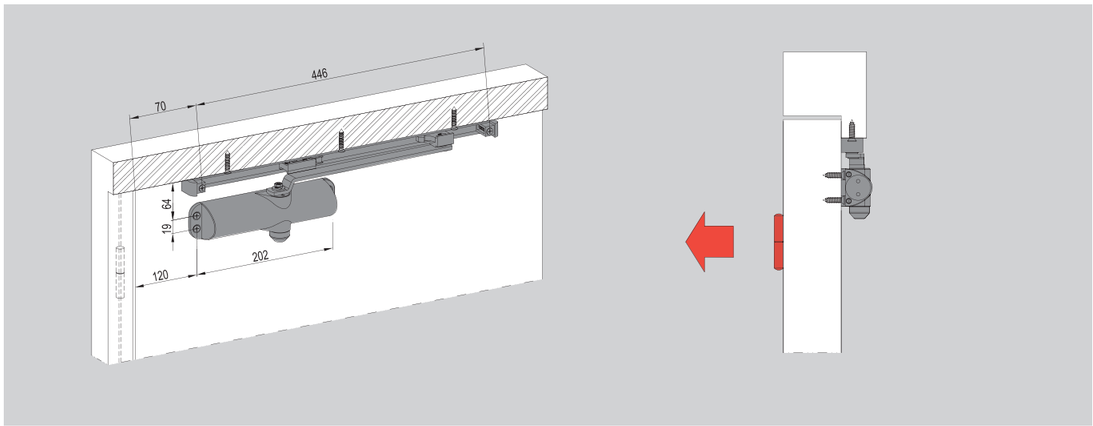
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.



BZ802 Door Closer

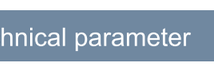
- Pass the test of industrial standard QB/T 2698
- Pass the test of industrial standard JG/T268
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

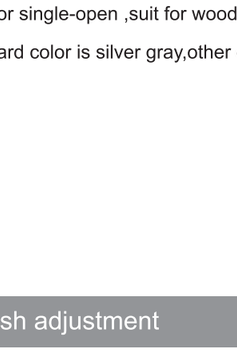
Technical parameter

Code	BZ802
Location style	Hold can be anywhere and withdrawn
Door width	650~900mm
Maximum loading	45Kg
life cycle	>500000 cycles
Suitable .Temperature	-30°C~50°C
Speed control	Two speed section

Door sash adjustment

Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		Connecting rod	1	Standard accessories
3		Sliding rail	1	Standard accessories



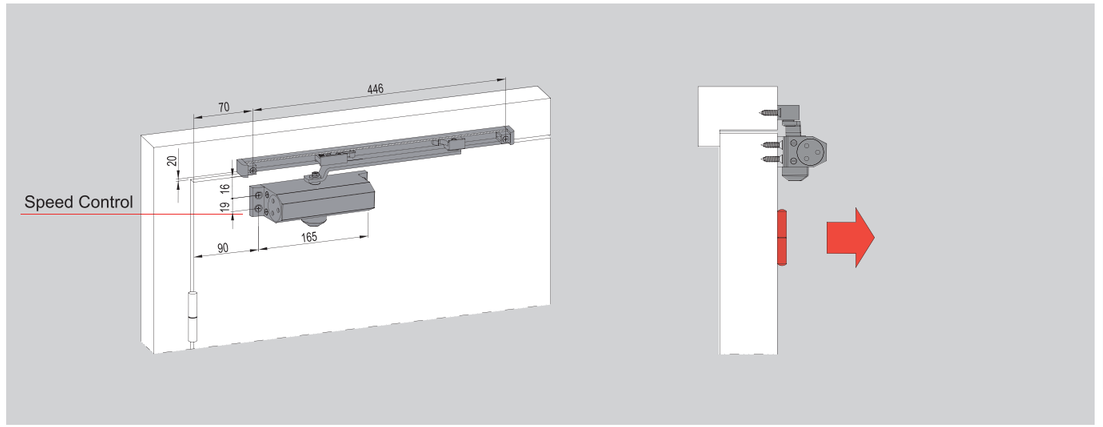
Maximum angle

Usage Performance

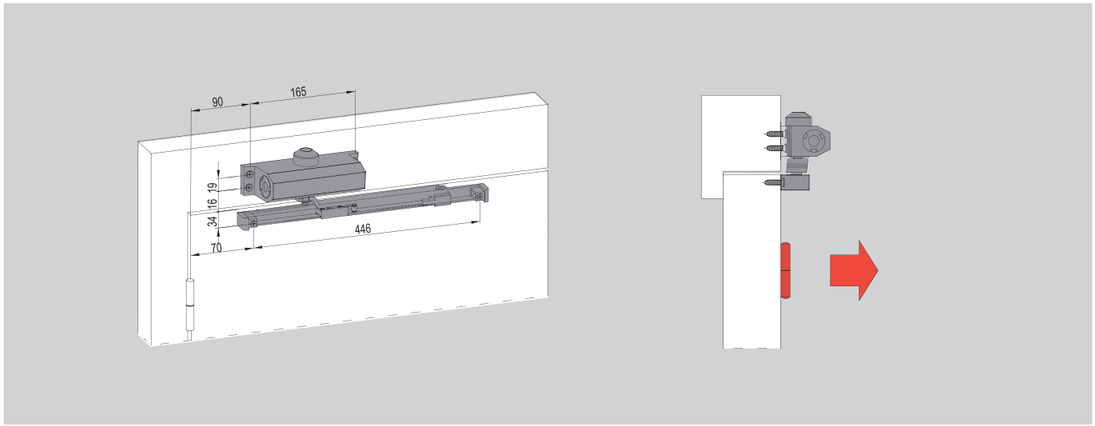
- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

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

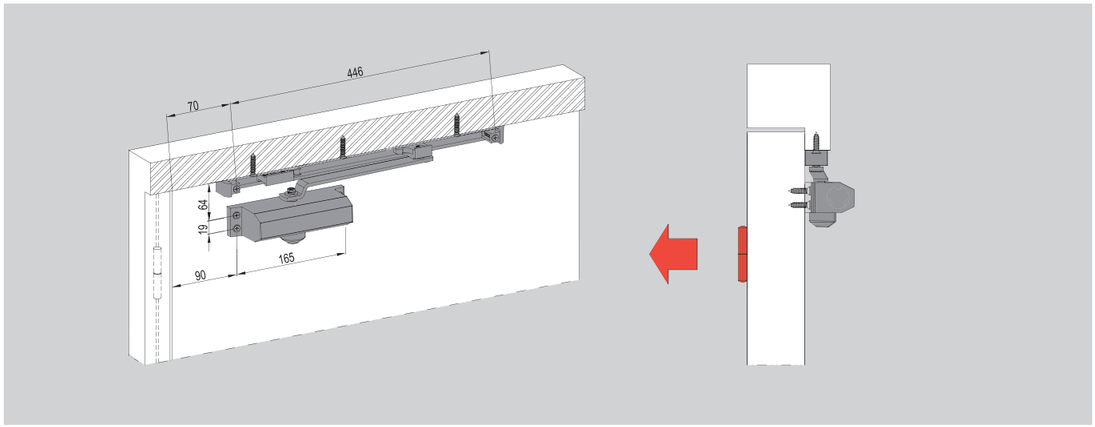
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.



BZ803 / BZ804 Door Closer

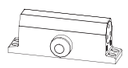
- Pass the test of industrial standard QB/T 2698
- Pass the test of industrial standard JG/T268
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

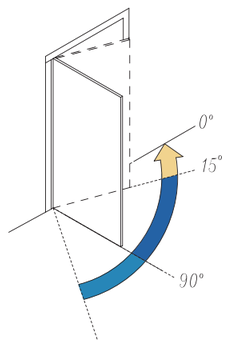
Technical parameter

Door sash adjustment

Code	BZ803	BZ804
Location style	Hold can be anywhere and withdrawn	
Door width	850~1100mm	1000~1250mm
Maximum loading	65Kg	85Kg
life cycle	>500000 cycles	>500000 cycles
Suitable .Temperature	-30°C~50°C	-30°C~50°C
Speed control	Two speed section	Two speed section

Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		Connecting rod	1	Standard accessories
3		Sliding rail	1	Standard accessories



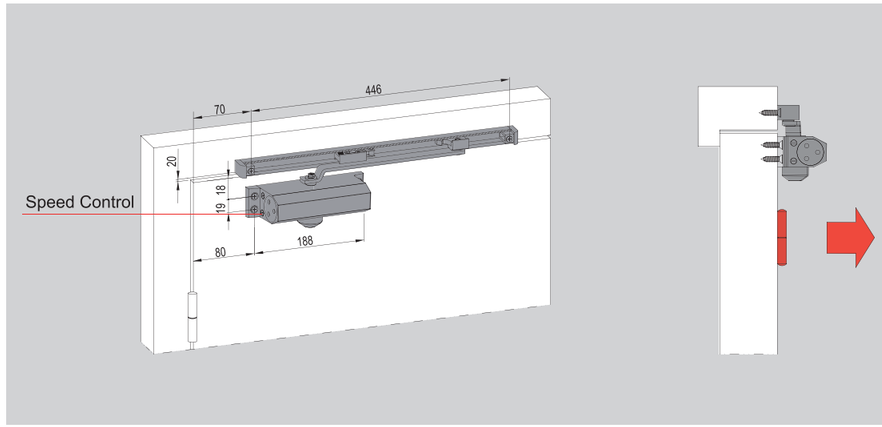
Maximum angle

Usage Performance

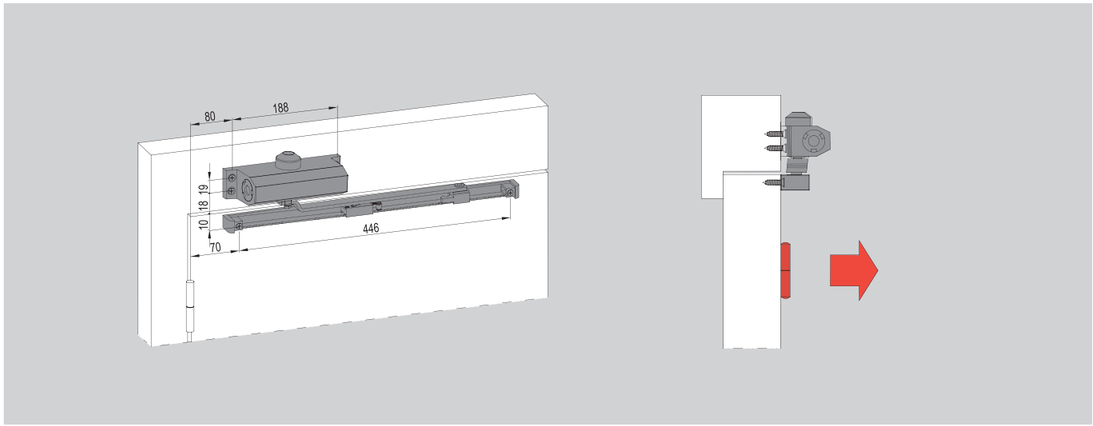
- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

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

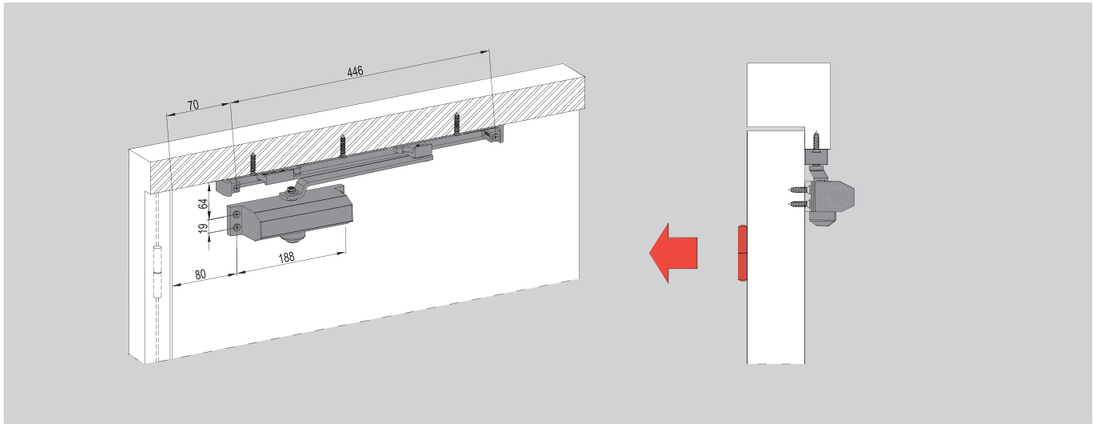
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.



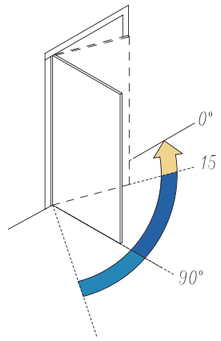
BZ902 / BZ903 Door Closer

- Pass the test of industrial standard QB/T 2698
- Pass the test of industrial standard JG/T268
- It can be used on both left and right side door
- Only for single-open ,suit for wooden door
- Standard color is silver gray,other color can be customized

Technical parameter

Code	BZ902	BZ903
Location style	Hold can be anywhere and withdrawn	
Door width	650~900mm	850~1100mm
Maximum loading	45Kg	65Kg
life cycle	>500000 cycles	>500000 cycles
Suitable .Temperature	-30°C~50°C	-30°C~50°C
Speed control	Two speed section	Two speed section

Door sash adjustment



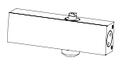
Maximum angle

Usage Performance

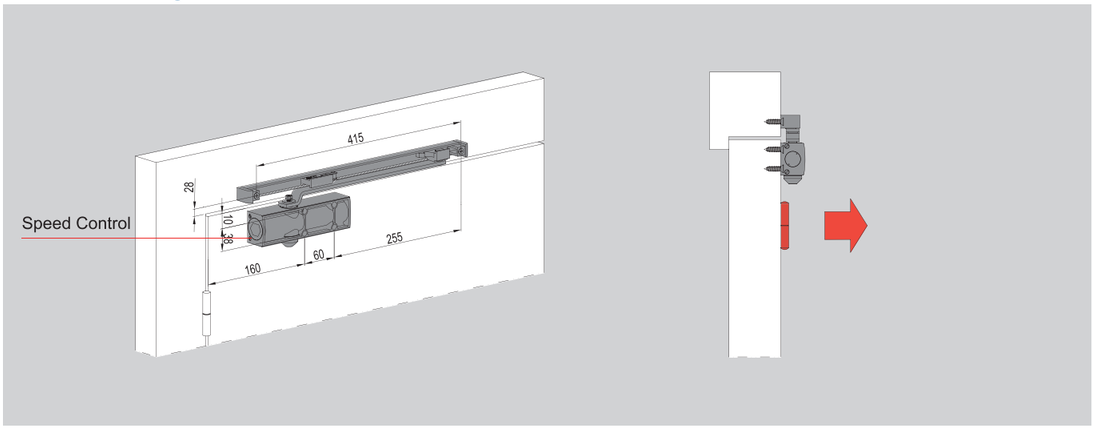
- Speed-section 1 closed ;
- Speed-section 2 closed ;
- Buffer zone

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

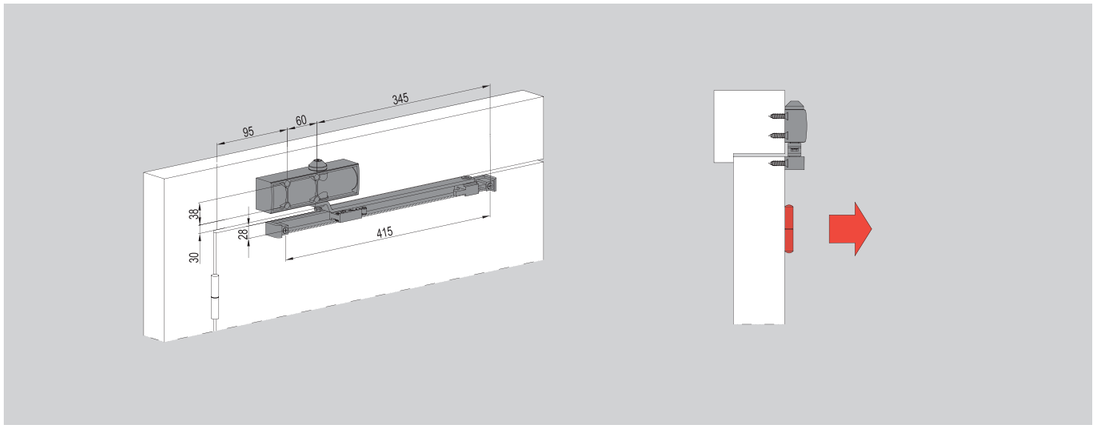
Material list

NO.	Diagram	Name	Quantity	Remark
1		Main body	1	Standard accessories
2		Connecting rod	1	Standard accessories
3		Sliding rail	1	Standard accessories

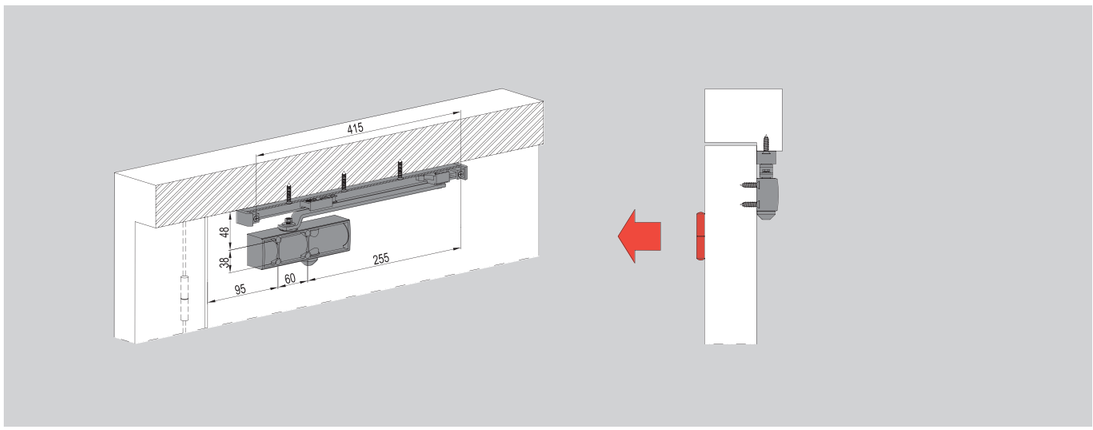
Standard mounting Illustration



Lateral Installation Illustration



Parallel mounting Illustration



By changing installation size to adjust the open-door strength.

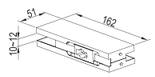
Short patch fitting series

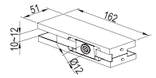


M101 Bottom patch



M201 Upper patch



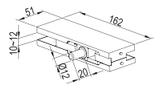


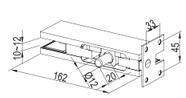


M301 Top patch



M32 Top patch



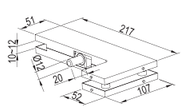


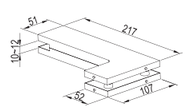


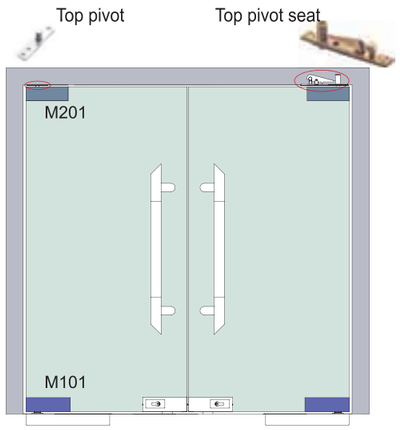
M401 Bending patch

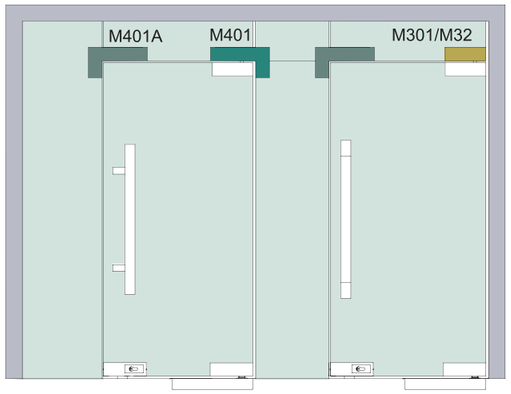


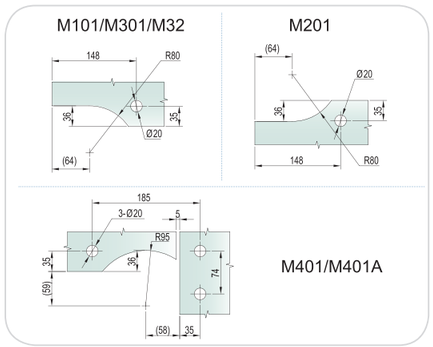
M401A Bending patch

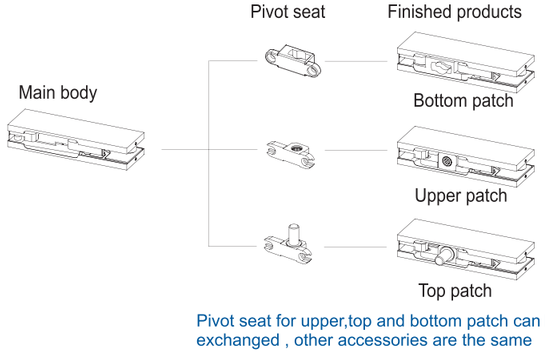












Pivot seat for upper,top and bottom patch can be exchanged , other accessories are the same

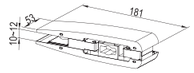
- Recommended loading is 100KG, glass thickness 10-12mm ; and door height required ≤2500mm ,door width ≤1000mm
- It can be used on both right and left side door
- Inner core is made of high-strength cast aluminum alloy,and decoration cover is made of S.S.304.(thickness is 0.6)
- Decoration cover adopt the hex anti-theft design
- Bottom patch angel for the floor hinge is 14 degree or 6 degree
- Surface finish is satin or mirror

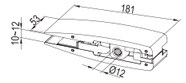


YM11 Bottom patch



YM21 Upper patch



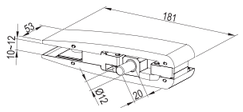


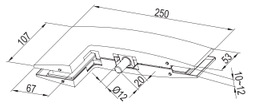


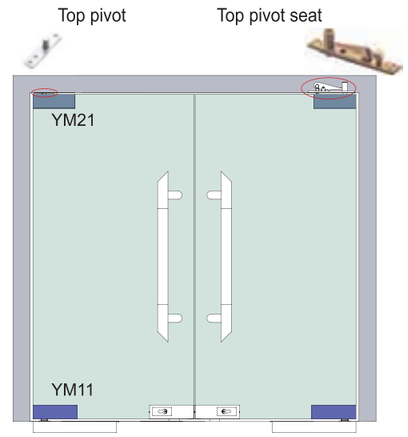
YM31 Top patch

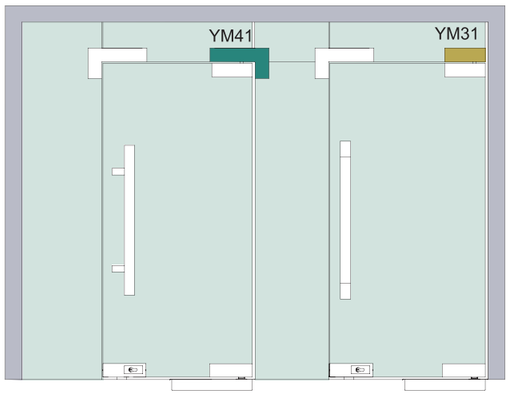


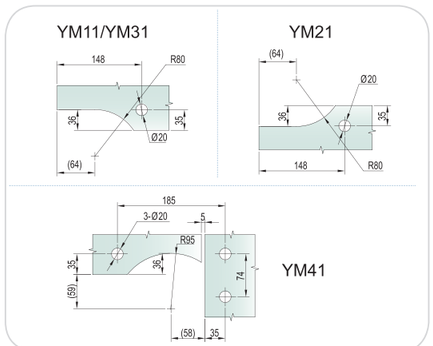
YM41 Bending patch

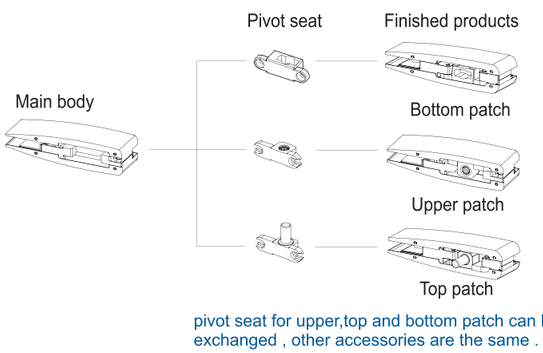












pivot seat for upper,top and bottom patch can be exchanged , other accessories are the same .

- Recommended loading is 100KG, glass thickness 10-12mm ; and door height required ≤2500mm ,door width ≤1000mm
- It can be used on both right and left side door
- Inner core is made of high-strength cast aluminum alloy,and decoration cover is made of S.S.304.(thickness is 0.6)
- Decoration cover adopt the hex anti-theft design
- Bottom patch angel for the floor hinge is 14 degree or 6 degree
- Surface finish is satin or mirror

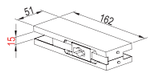
Medium-sized patch fitting series

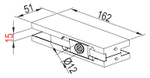


M102 Bottom patch



M202 Upper patch

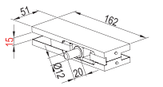


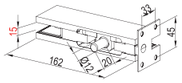


M302 Top patch

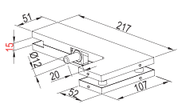


M302A Top patch

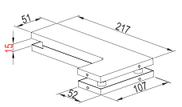


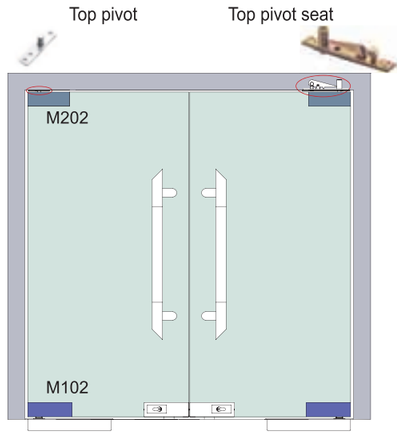


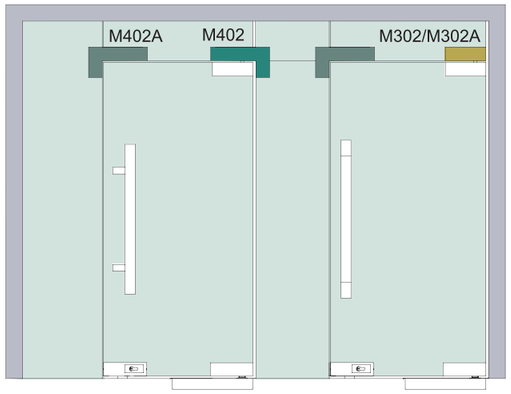
M402 Bending patch

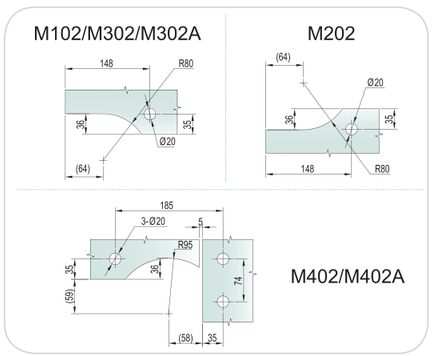


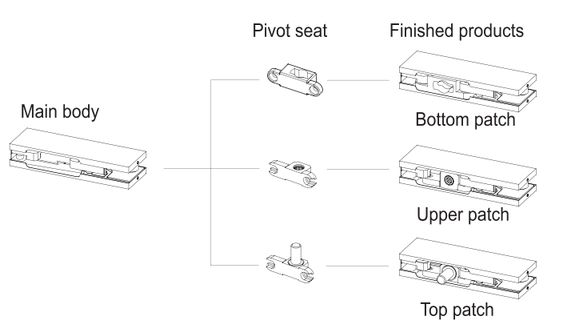
M402A Bending patch











Pivot seat for upper,top and bottom patch can be exchanged , other accessories are the same

- Recommended loading is 100KG, glass thickness 15mm ; and door height required ≤2800mm ,door width ≤1100mm
- It can be used on both right and left side door
- Inner core is made of high-strength cast aluminum alloy,and decoration cover is made of S.S.304.(thickness is 0.6)
- Decoration cover adopt the hex anti-theft design
- Bottom patch angel for the floor hinge is 14 degree or 6 degree
- Surface finish is satin or mirror

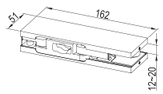
Precise sized patch fitting series

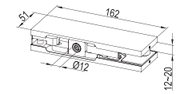


FM103 Bottom patch



FM203 Upper patch

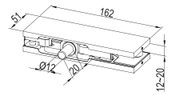


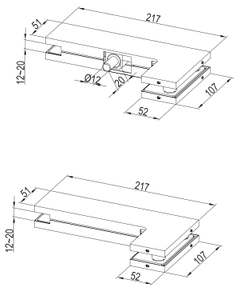


FM303 Bending patch

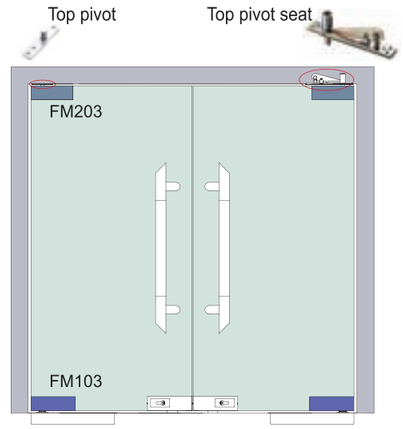


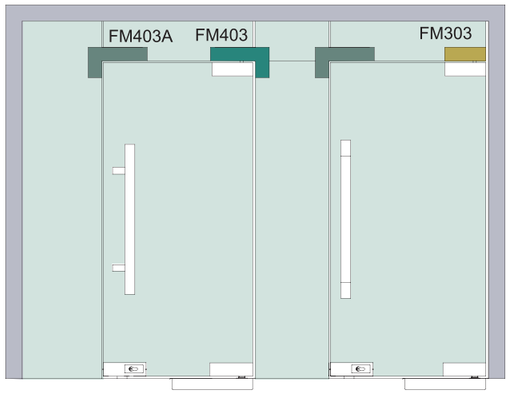
FM403 Bending patch

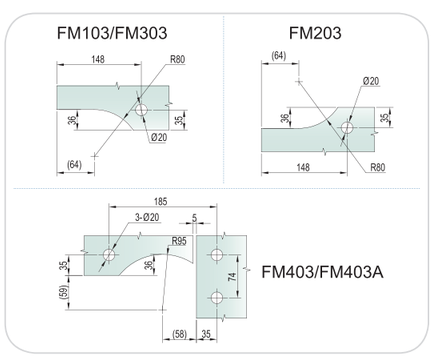


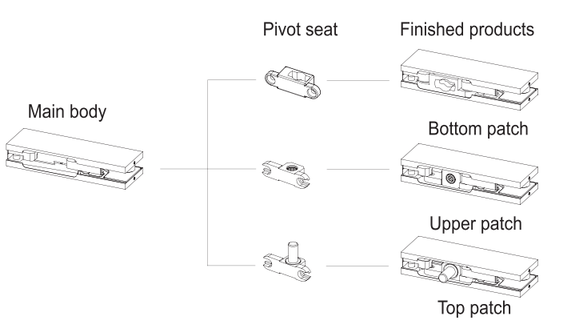


FM403A Bending patch









Pivot seat for upper and top patch can be exchanged , other accessories are the same

- Recommended loading is 250KG, glass thickness12~20mm ; and door height required ≤3000mm ,door width ≤1200mm
- It can be used on both right and left side door
- Inner core is made of stainless steel ,decoration cover is made of S.S 304 (thickness is 0.6)
- Inner core adopt precise-cast technology and decoration cover adopt stamping process
- Decoration cover adopt the hex anti-theft design
- Bottom patch angel for the floor hinge is 14 degree or 6 degree
- Surface finish is satin or mirror

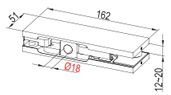
Medium sized patch fitting

Precise sized patch fitting

Precise Sized Patch Fitting Series



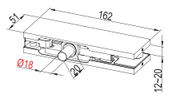
FM204 Upper patch



match up with top pivot seat DS04,top patch fitting FM304 and bending patch FM404.



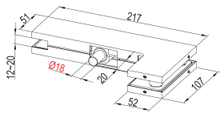
FM304 Top patch



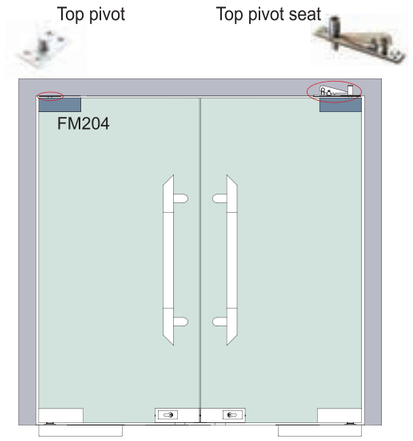
Match up with top patch FM204

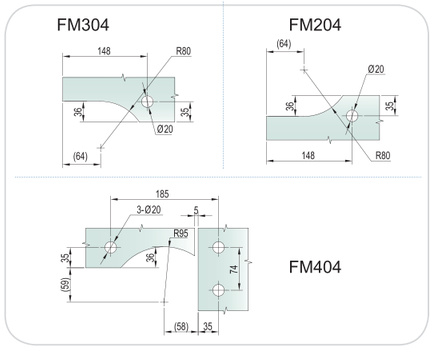


FM404 Bending patch



Match with FM204





Pivot seat for upperand top patch can be exchanged , other accessories are the same

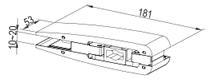
- Recommended loading is 250KG, glass thickness12~20mm ; and door height required ≤3000mm ,door width ≤1200mm
- It can be used on both right and left side door
- Inner core is made of stainless steel ,decoration cover is made of S.S 304 (thickness is 0.6)
- Inner core adopt precise-cast technology and decoration cover adopt stamping process
- Decoration cover adopt the hex anti-theft design
- Surface finish is satin or mirror

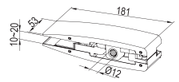


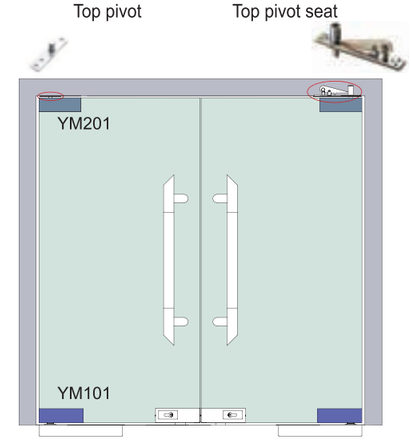
YM101 Bottom patch



YM201 Upper patch





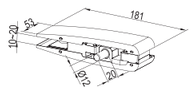


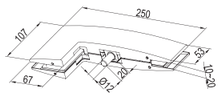


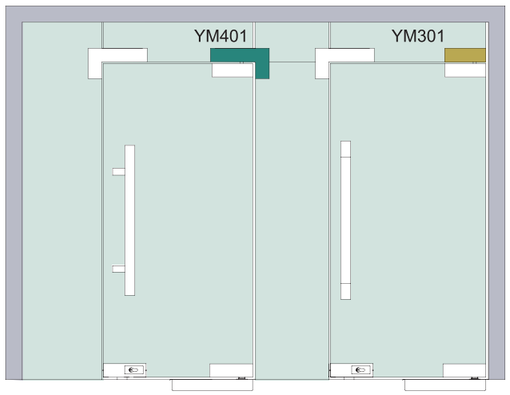
YM301 Top patch

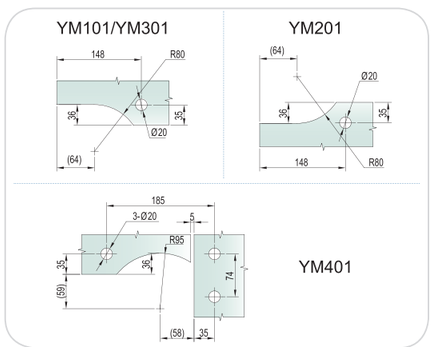


YM401 Bending patch







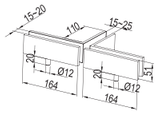


Pivot seat for upper and top patch can be exchanged , other accessories are the same .

- Recommended loading is 250KG, glass thickness12~20mm ; and door height required ≤3000mm ,door width ≤1200mm
- It can be used on both right and left side door
- Inner core is made of stainless steel ,decoration cover is made of S.S 304 (thickness is 0.6)
- Inner core adopt precise-cast technology and decoration cover adopt stamping process.
- Decoration cover adopt the hex anti-theft design
- Bottom patch angel for the floor hinge is 14 degree or 6 degree
- Surface finish is satin or mirror

Medium sized patch fitting





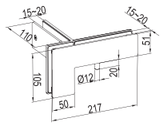
FM52 T patch fitting

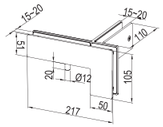




FM62L F patch fitting

FM62R F patch fitting



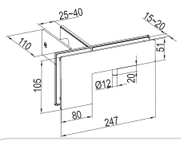


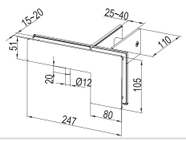


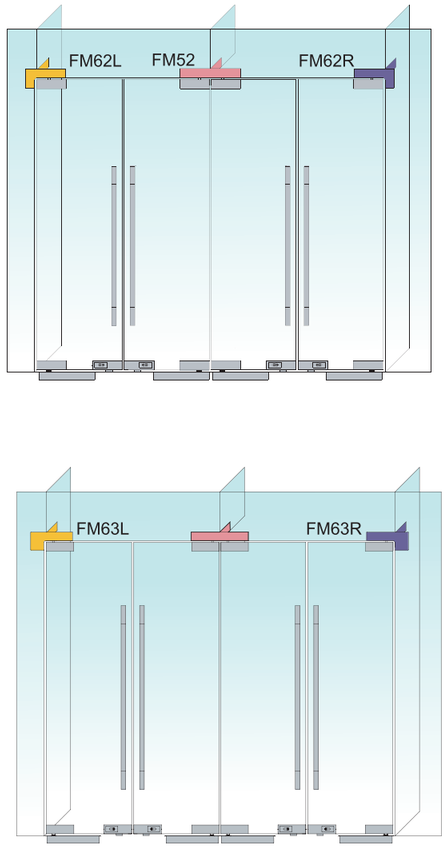


FM63L F patch fitting

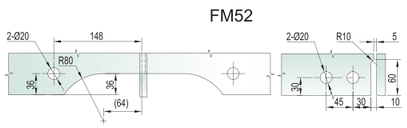
FM63R F patch fitting



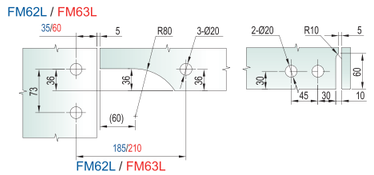




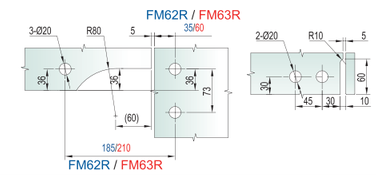
FM52



FM62LFM63L



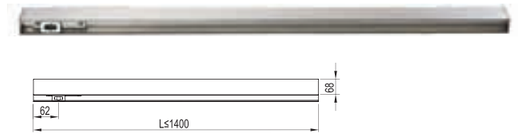
FM62R/FM63R



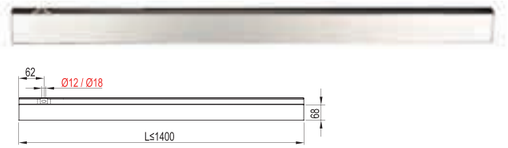
- Recommended loading is 250KG ; and door height required ≤3000mm ,door width ≤1200mm
- It can be used on both right and left side door
- Inner core is made of S.S.304. and Inner core adopt precise-cast technology
- Decoration cover adopt the hex anti-theft design
- Bottom patch angel for the floor hinge is 14 degree or 6 degree
- Surface finish is satin or mirror

Long patch fitting

Standard Long Patch Fitting

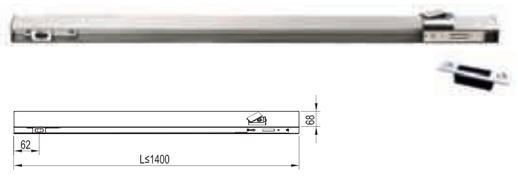


CM10 Bottom patch fitting

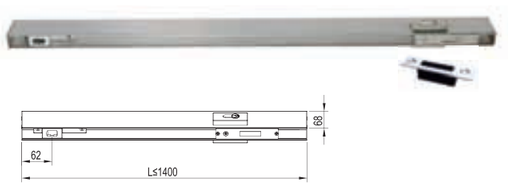


CM201(Φ12 / Φ18) Upper patch

Please choose what you need according to top pivot seat,top patch and bending patch,adjustment is +/-4mm



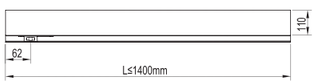
CMS10 Bottom patch fitting with lock



CMS12 Bottom patch fitting with lock

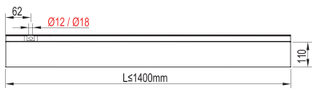
Widened Long Patch Fitting





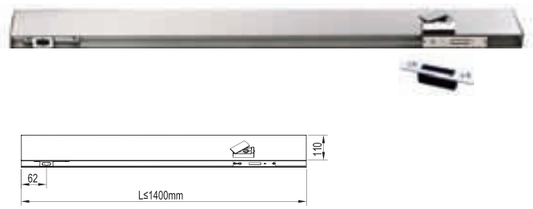
CM11 Bottom patch fitting



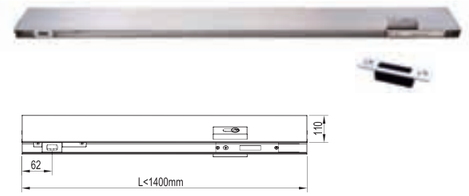


CM211(Φ12 / Φ18) Upper patch

Please choose what you need according to top pivot seat,top patch and bending patch,adjustment is +/-4mm



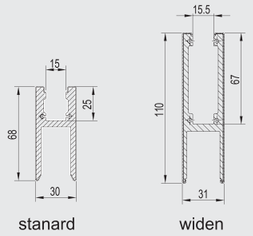
CMS11 Bottom patch fitting with lock

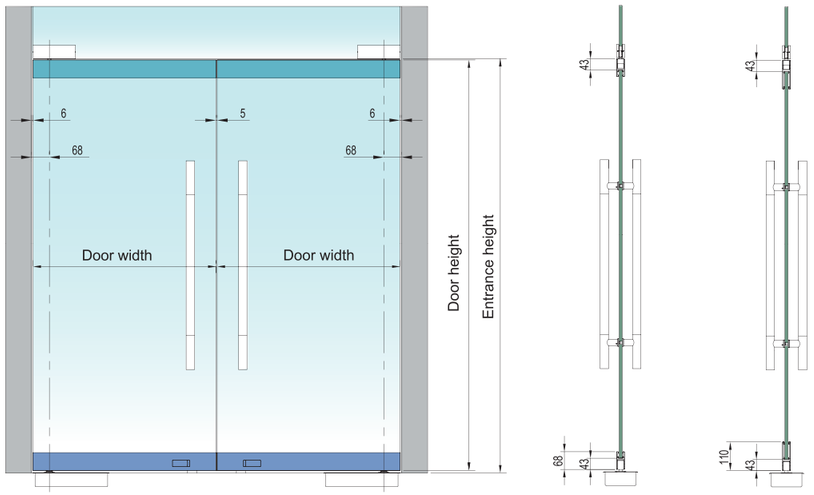


CMS13 Bottom patch fitting with lock

Long patch fitting

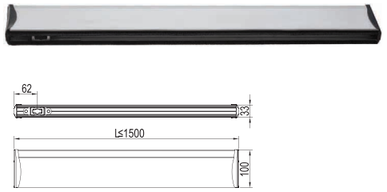
- Loading for standard long patch is 150KG,for widened patch is 200KG,available glass thickness is 10-15mm
- Max. door height for standard patch is 2400mm,door width is 1400mm,
  Max. door height for widen patch is 2400mm,for door width is 1400mm
- It can be used on both right and left side door
- Inner core is made of high-strength cast aluminum alloy,and decoration cover is made of S.S.304.(thickness is 0.6mm)
- Lock box adopt anti-dirt design and tongue is square shape
- Bottom patch angel for the floor hinge is 14 degree or 6 degree
- Surface finish is satin or mirror
- Please provide door sash width when purchase
- Total patch length=glass door sash width+3MM



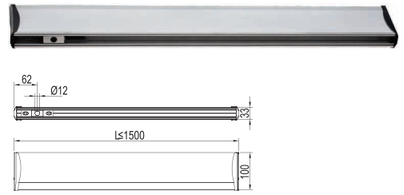


●Glass door sash height=door opening-2*43-15（Sum of top and bottom door gap)

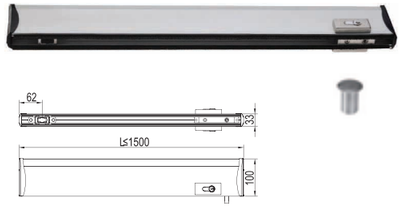
Split Long Patch Fitting



CM12 Bottom patch fitting



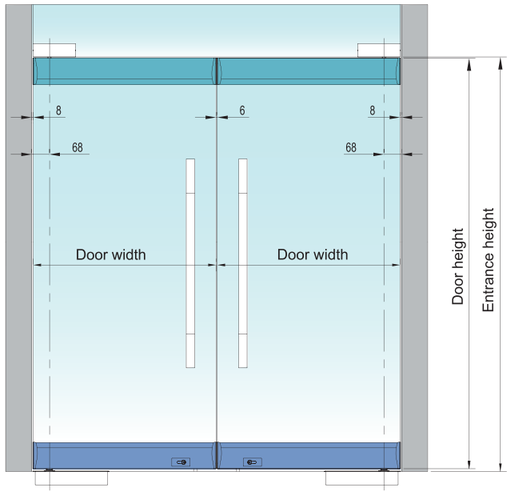
CM22 Upper patch

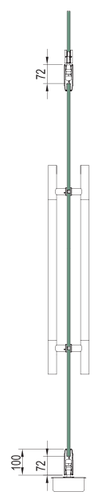


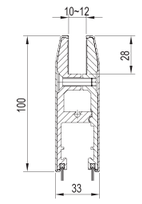
CMS14 Bottom patch fitting with lock

Long patch fitting

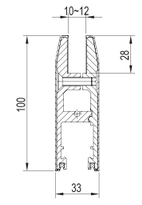
- Recommended loading is 200KG, available glass thickness is 10-12mm
- Max. door height is 3000MM,door width is 1500mm
- It can be used on both right and left side door
- Material is aluminum alloy,surface finish is silver sandblasting oxidation
- Bottom patch angel for the floor hinge is 14 degree or 6 degree
- Brush in the bottom patch can provide excellent sealing and sound insulation
- Offer protection to the glass door and easy for the large size door installation
- Lock body adopt built-in deign ,it is safe and anti-theft
- Lock box adopt anti-dirt design and lock tongue is round shape
- Please provide door sash width before purchasing
- Total patch length=glass door sash width+4MM







Bottom patch section

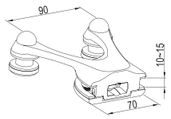


Upper patch section

●Glass door sash height=door opening-2*72-15（Sum of top and bottom door gap)

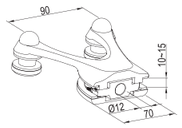
Bracket Y400 Series





Y408 Bottom bracket

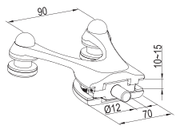




Y409 Upper bracker

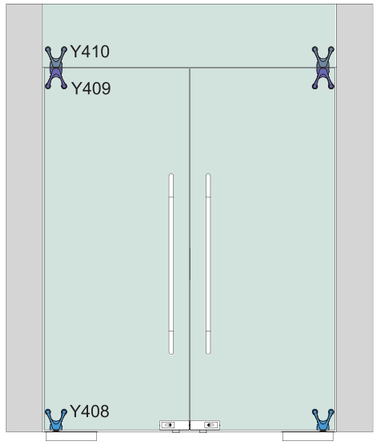
- Adjust +/-5mm left or right





Y410 Top bracket

- Adjust +/-5mm left or right

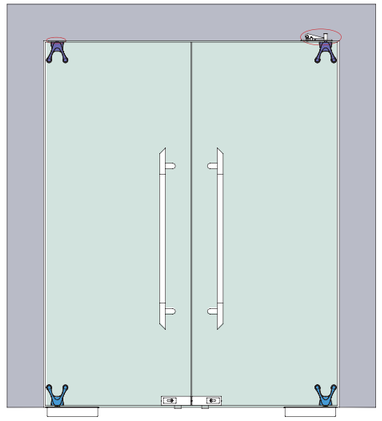


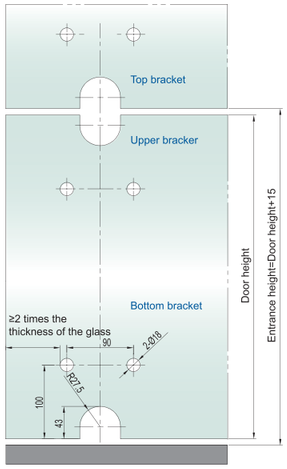
Top pivot



Top pivot seat



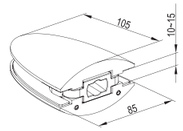




- Shape like curtainwall point-fixed fitting,breakthrough in normal patch design,the first dependently developed in the filed .
- Recommended loading is 100KG, glass thickness10~15mm ; and door height required ≤2500mm ,door width ≤1000mm
- It can be used on both right and left side door
- Inner core is made of S.S.304. and Inner core adopt precise-cast technology
- Bottom patch angel for the floor hinge is 14 degree or 6 degree
- Surface finish is satin or mirror

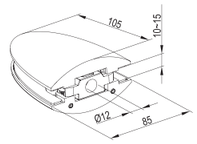
Bracket Y500 Series





Y505 Bottom bracket

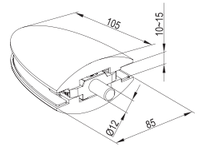




Y506 Upper bracker

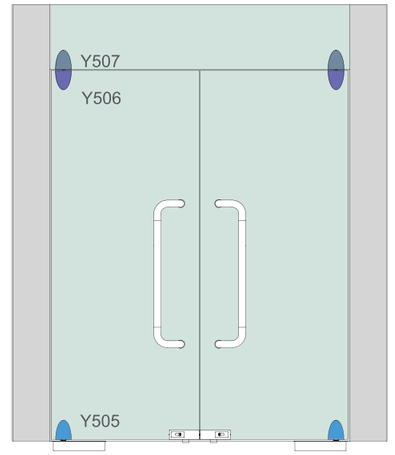
- Adjust +/-5mm left or right





Y507 Top bracket

- Adjust +/-5mm left or right

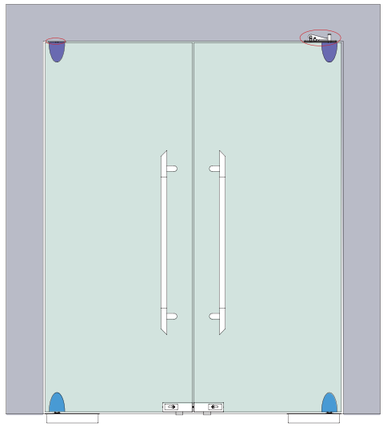


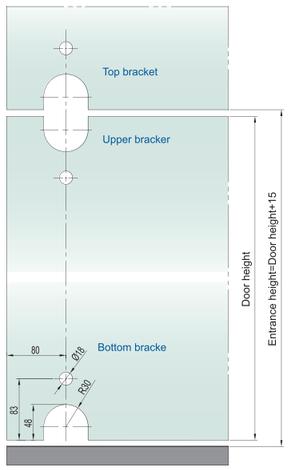
Top pivot



Top pivot seat



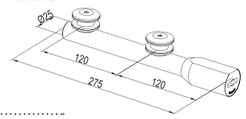




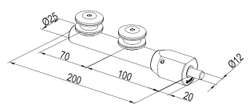
- Curved shape and have a breakthrough design , Industry poineer and self-dependent research and development
- Recommended loading is 100KG, glass thickness10~15mm ; and door height required ≤2500mm ,door width ≤1000mm
- It can be used on both right and left side door
- Inner core is made of S.S.304. and Inner core adopt precise-cast technology
- Bottom patch angel for the floor hinge is 14 degree or 6 degree
- Surface finish is satin or mirror

Brackets

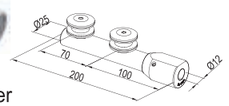
Bracket **Y800F/Y900F** Series

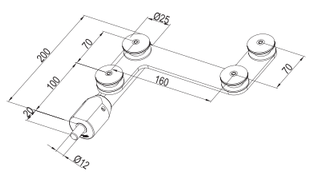
Y801F Bottom bracket

Y803F Top bracket

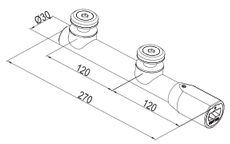
Y802F Upper bracker

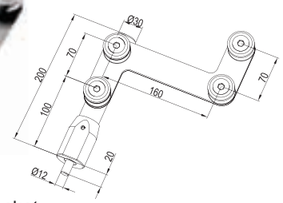
Y804F Bending bracket

It can be used both on right and left side door by combination,the picture is right one while the drawing is left one

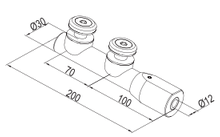
- Recommended loading is 100KG, glass thickness10~19mm ; and door height required ≤2500mm ,door width ≤1000mm
- It can be used on both right and left side door
- Inner core is made of S.S.304. and Inner core adopt precise-cast technology
- Bottom patch angel for the floor hinge is 14 degree or 6 degree
- Surface finish is satin or mirror

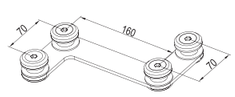
Y901F Bottom bracket

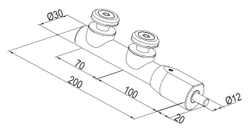
Y904F Bending bracket

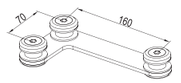
Y902F Upper bracker

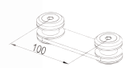
Y905F Z bracket

Y903F Top bracket

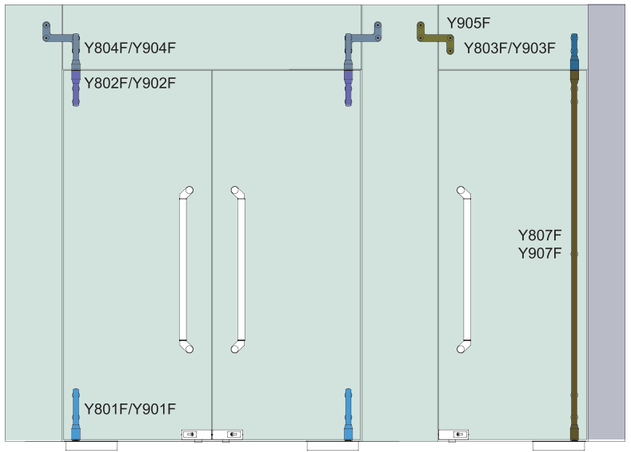



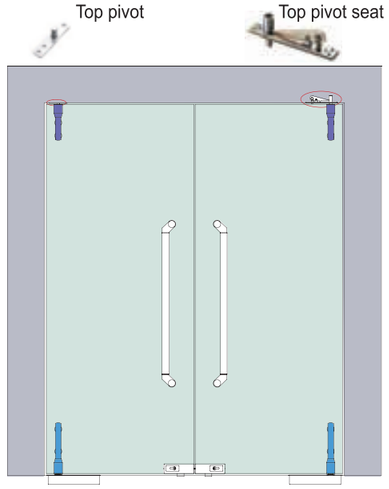
Y906F L bracket

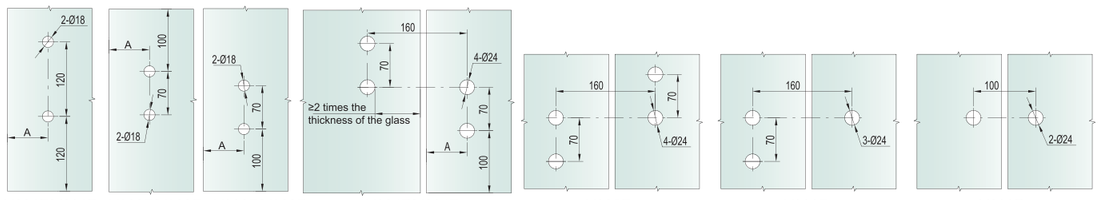
Y908F — Bracket

- Recommended loading is 150KG, glass thickness10~19mm ; and door height required ≤2800mm ,door width ≤1000mm
- It can be used on both right and left side door
- Inner core is made of S.S.304. and Inner core adopt precise-cast technology
- Bottom patch angel for the floor hinge is 14 degree or 6 degree
- Surface finish is satin or mirror





Y807F/Y907F is used for door the height more than 2800mm,it can reduce the glass deflection, and the length is decided by the project requirement

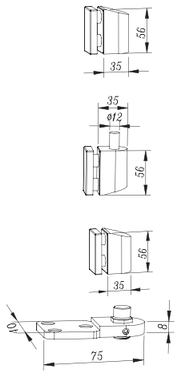


Y801F/Y901F Y802F/Y902F Y803F/Y903F Y804F/Y904F Y905F Y906F Y908F

A size is decided by glass thickness and floor hinge location

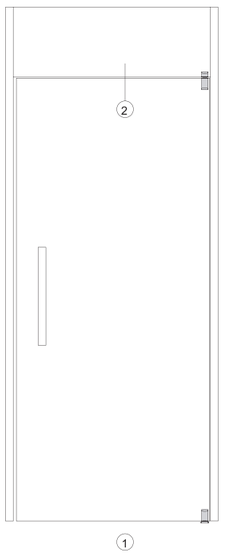
Brackets

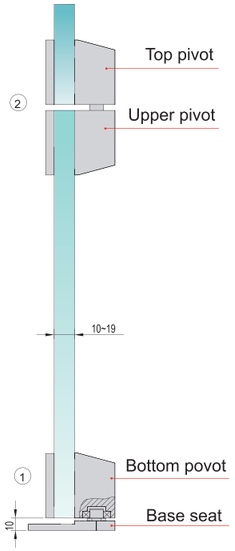


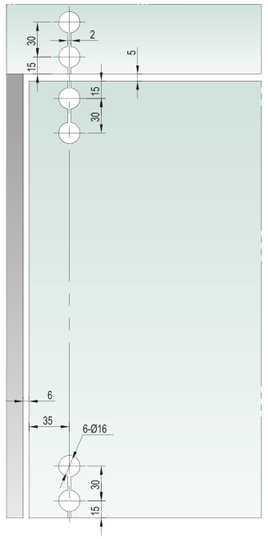


BP06 Door Pivot

- Recommended loading is 100KG,available glass thickness is 10-19mm,Maximum door width is 1200mm
- Material is S.S304,surface finish is mirror or satin
- Used only for frameless glass door,Maximum open angle is 170 degree







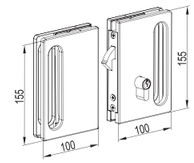
Glass Door Lock Series(Only for Sliding Door)

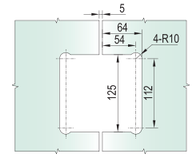


YMS31 Sliding door lock

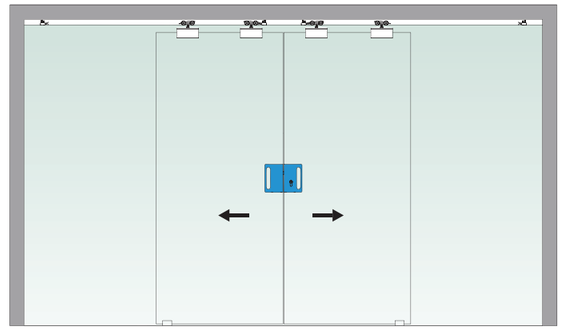


YMS32 Sliding door lock





Second lock Master lock



Standard finished single lock(with knob)

Customized double lock

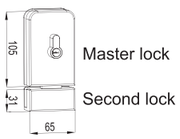
- Suitable for glass 10-12mm
- Inner core is made of aluminum alloy, decoration cover is of S.S304
- Sliding lock is function as handle
- Use knob to lock and open inside,use key to lock and open outside
- Surface finish can be mirror or satin,and electroplating according to project requirement

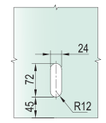


BS201 Glass door lock



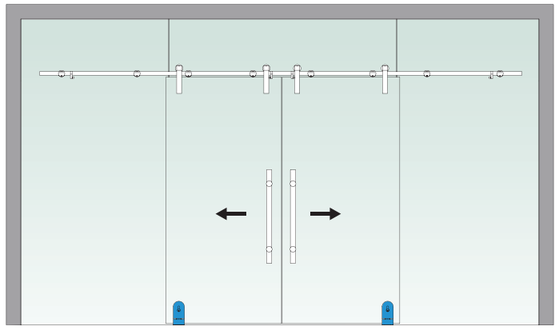
BS301 Glass door lock





Standard finished double lock

Customized single lock(with knob)



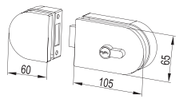
- Suit for sliding glass door, glass thickness is 10-15mm
- Decoration cover is made of S.S304
- Second lock function as guiding, no need guiding groove
- It can use key to open and lock both inside and outside
- Surface finish can be mirror or satin,and electroplating
- According to project requirement. install the master key to glass door sash beore install it

Glass Door Series(Only for Side Hung Open Door)



BS205 Glass door lock



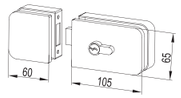


BS206 Glass door lock

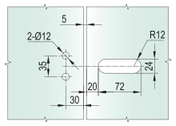


BS305 Glass door lock





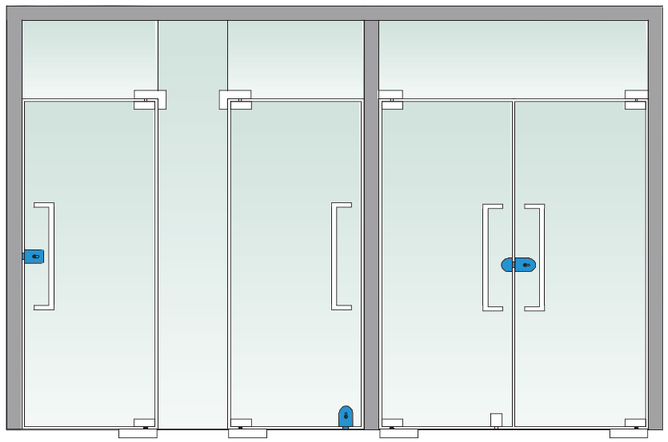
BS306 Glass door lock



Second lock Master lock

Standard finished single lock(with knob)

Customized double lock



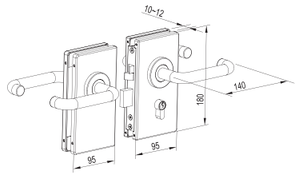
- Suit for side hung open door,glass thickness 10-19mm
- Cover material is S.S304
- It can use key to open and lock both inside and outside.
- Surface finish can be mirror or satin and electroplating according to project requirement.
- Suit for single or double sash glass door,if double sash, it need to fix latch



BS47 Glass door lock



BS48 Glass door lock

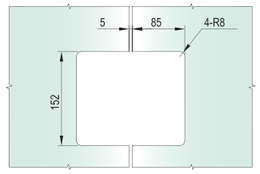




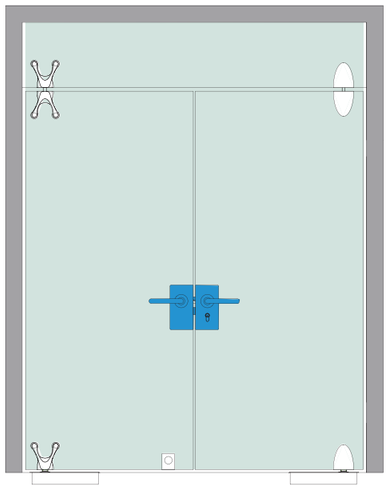
BS49 Glass door lock

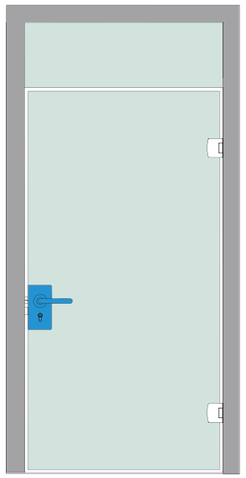
Standard finished single lock(with knob)

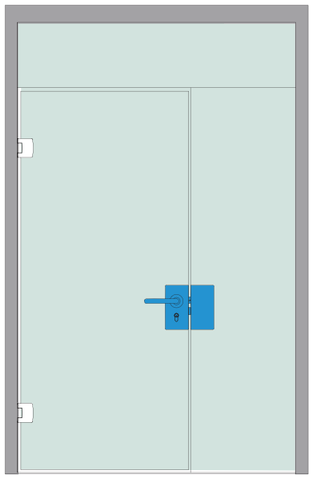
Customized double lock



Second lock Master lock







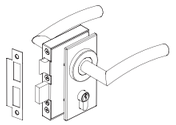
- Suit for side hung glass door,adopt two-way lock tongue design,better for two-way open floor hinge glass door
- Available glass thickness is 10-12mm,cover and handle material is S.S304
- Adopt symmetrical design of inside and outside
- It can be for passage lock,open the door when turn the handle both inside and outside
- It both use key to lock and open inside and outside
- The lock can also function as handle, not need extra handle
- Surface finish can be mirror or satin and electroplating according to project requirement
- Suit for single or double sash glass door,if double sash, it need to install latch

Glass door lock

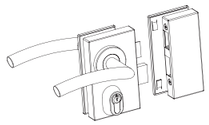
BS43R Glass door lock



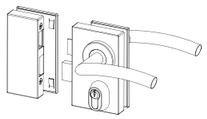
BS43L

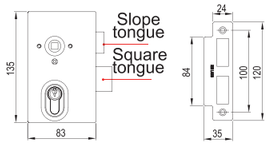


BS44L



BS44R

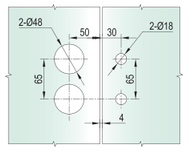




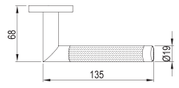
Main body Hook Second lock

Customized double lock

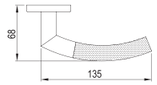
Standard finished single lock(with knob)



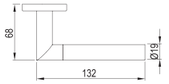
Master lock Second lock



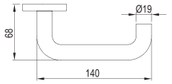
BS43/BS44 Handle



BS45/BS46 Handle



BS405/BS406 Handle

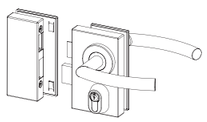


BS403/BS404 Handle

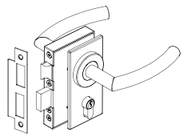
BS46L Glass door lock



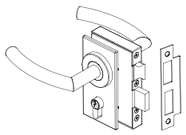
BS46R

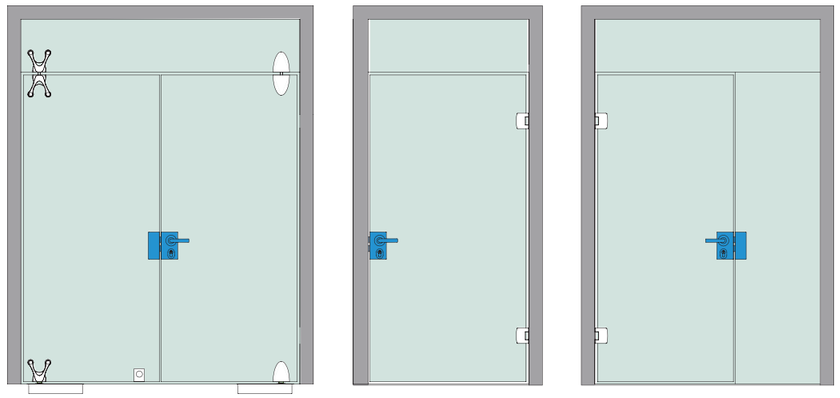


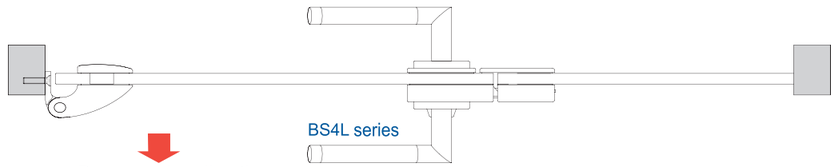
BS45L



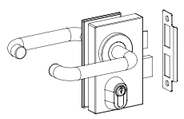
BS45R



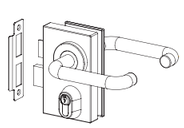




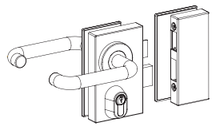
BS403L



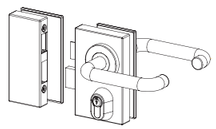
BS403R



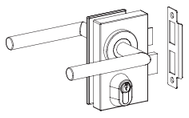
BS404L



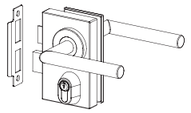
BS404R



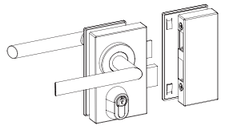
BS405L



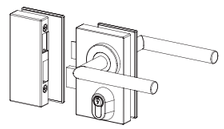
BS405R



BS406L



BS406R



- Suit for side hung glass door,adopt two-way lock tongue design,better for two-way open floor hinge glass door.
- Available glass thickness is 10-15mm
- Cover and handle material is S.S304
- Adopt symmetrical design of inside and outside
- It can be for passage lock,open the door when turn the handle both inside and outside
- It both use key to lock and open inside and outside. the lock can also function as handle, not need extra handle
- Surface finish can be mirror or satin and electroplating according to project requirement
- Suit for single or double sash glass door,if double sash, it need to install latch

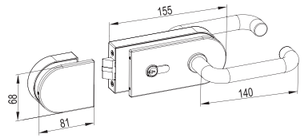
Glass door lock



BS501 Glass door lock



BS502 Glass door lock



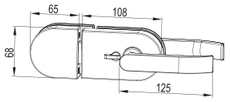
- Suit for side hung open door,glass thickness 10-15mm
- Cover material is S.S304
- It can be passage lock,open the door when turn the handle
- It can use knob to open and lock inside and key outside
- Surface finish can be mirror or satin and electroplating according to project requirement
- Suit for single or double sash glass door,if double sash, it need to install latch



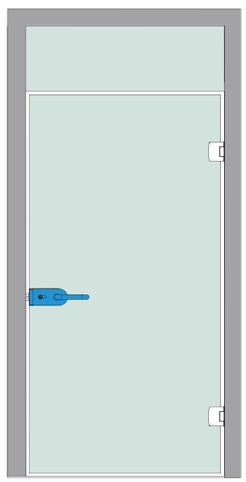
BS83 Glass door lock

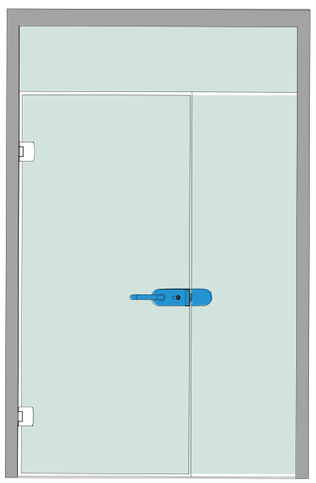


BS84 Glass door lock

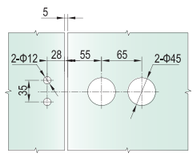


- Suit for side hung open door,glass thickness 10-15mm
- Cover material is S.S304
- it can be passage lock,open the door when turn the handle
- It can use knob to lock and handle to open inside
- If emergency, you can use something like coin to turn and open th door outside
- Surface finish can be mirror or satin and electroplating according to project requirement.
- Suit for single or double sash glass door,if double sash, it need to install latch



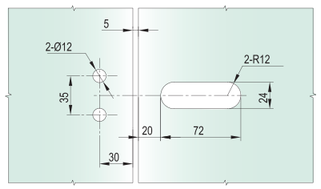


BS501/B502



Master lock Second lock

BS83/B84



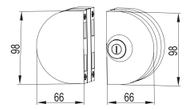
Second lock Master lock



BS71 Glass door lock



BS72 Glass door lock

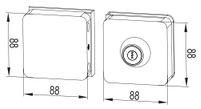




BS73 / **BS73A** Glass door lock



BS74 / **BS74A** Glass door lock



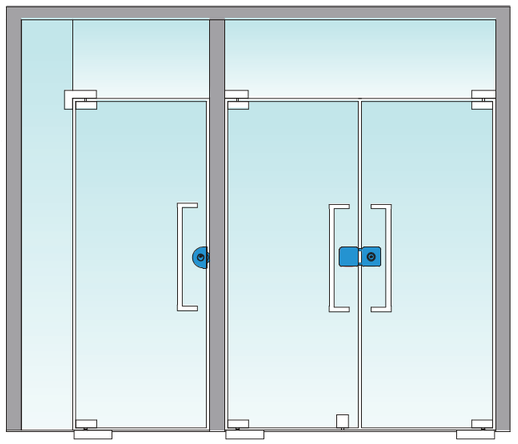
- Suit for side hung open door,BS73A BS74A is suitable for glass thickness 15mm,and other types are for 10-12mm
- The cover material is S.S304
- No need to drill hole on glass
- For BS71 BS72 ,it use knob to lock and open inside and key outside
- For BS73 BS73A BS74 BS74A,it can not open inside and use key to lock and open outside
- Surface finish can be mirror or satin and electroplating according to project requirement

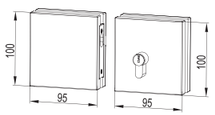


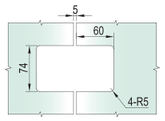
BS39 Glass door lock



BS39D Glass door lock







Second lock Master lock

Standard finished double-lock Customized single lock(with knob)

- Suit for side hung open door,glass thickness 10-12mm
- Cover material is S.S304
- It can use key to open and lock both inside and outside
- Surface finish can be mirror or satin and electroplating according to project requirement
- Suit for single or double sash glass door,if double sash, it need to install latch

Glass door lock

Glass Door Locker Series



S10 Locker



S101 Locker



S102 Locker



YS102 Locker

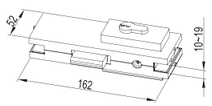


YS103 Lock box fitting

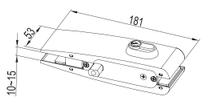


S110A Locker

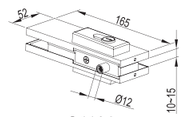
Overall dimension reference drawing



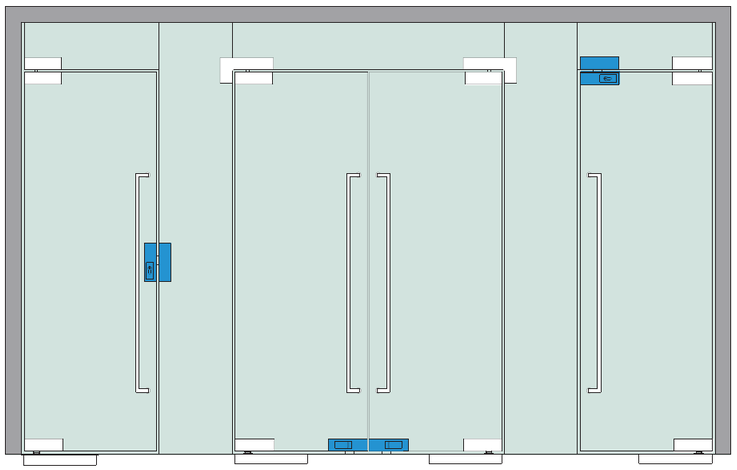
S10/S101/S102

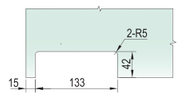


YS102/YS103

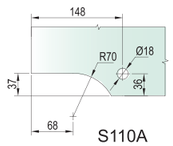


S110A





S10/S101/S102/YS102/YS103



S110A

- Suit for side hung open door,S10/S101/S102 is for glass thickness 10-19mm,YS102/YS103/S110A is for glass 10-15mm
- cover material is S.S304 and inner core is aluminum alloy
- it can use key to open and lock both inside and outside
- surface finish can be mirror or satin
- suit for single or double sash glass door,if double sash, it need to install latch

Glass Door Latch Series



BCX141 Glass Door Latch



BCX142 Glass Door Latch



BCX151 Glass Door Latch



BCX152 Glass Door Latch



BCX161 Glass Door Latch



BCX162 Glass Door Latch

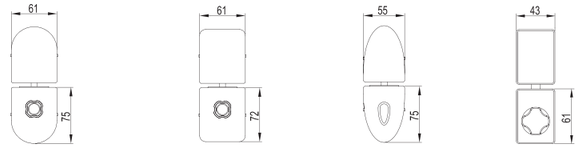


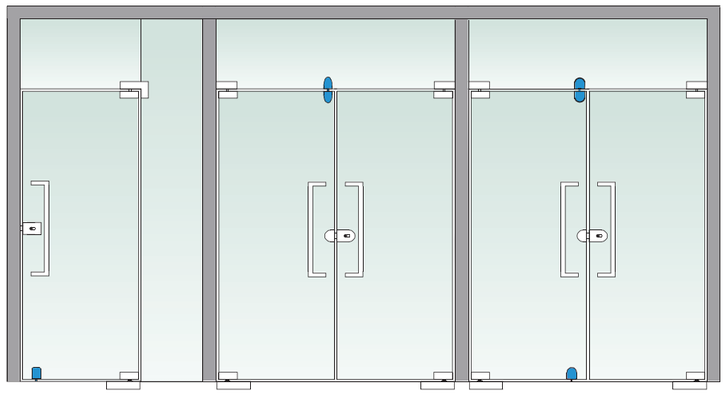
BCX201/BCX201A Glass Door Latch



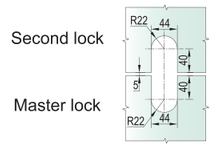
BCX202/BCX202A Glass Door Latch

Overall dimension reference drawing

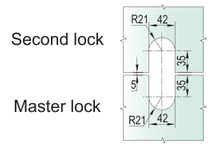




BCX141/BCX142/BCX161/BCX162



BCX151/BCX152



- Suit for side hung open door,BCX201A/BCX202A is for glass thickness 15mm,BCX201/is for glass 10-12mm
- Cover material is S.S304
- For BCX201 BCX202 BCX201A BCX202A no need to drill hole on glass
- It can use key to open and lock both inside and outside. surface finish can be mirror or satin and electroplating according
- To project requirement. suit for single or double sash glass door,if double sash, it need to install latch

Glass Door Hinge Series



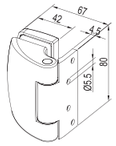
JL01 Glass door hinge
Open angle 0°~120°

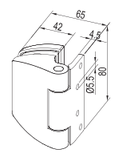


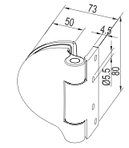
JL02 Glass door hinge
Open angle 0°~120°



JL03 Glass door hinge
Open angle 0°~120°







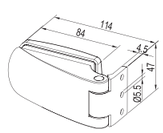
JL04 Glass door hinge
Open angle 0°~120°

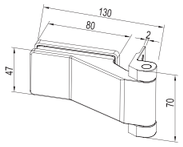


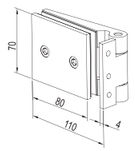
JL05 Glass door hinge
Open angle 0°~180°



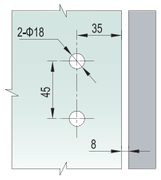
JL06 Glass door hinge
Open angle0°~150°



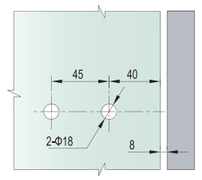




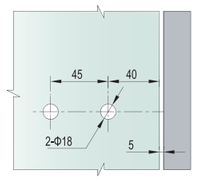
JL01/JL02/JL03



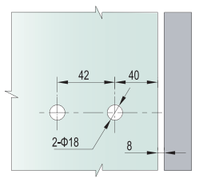
JL04



JL05

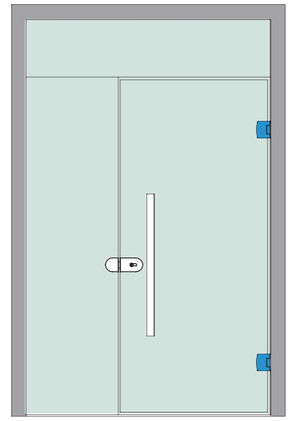


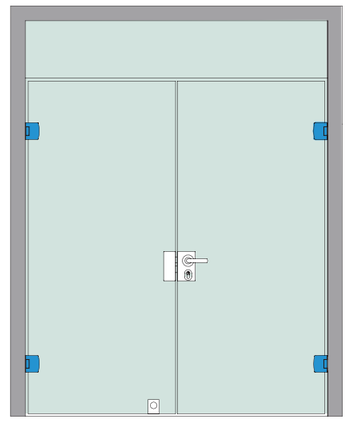
JL06

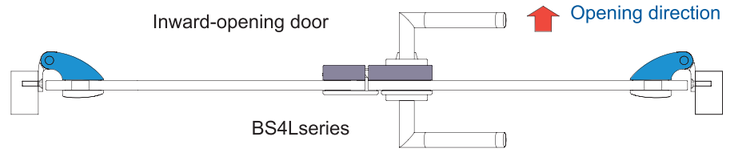


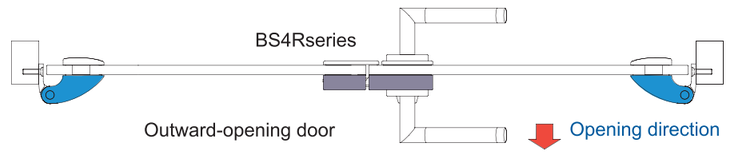
When purchase, please note the gap of glass door lock and hinge

- Recommended loading is 80kg,glass thickness is 10-15mm
- Material is S.S304,precision-casting process
- Suit for side hung glass door,and open smoothly
- It can be fixed with frame,wall or other metal structure
- Max.door with is 800mm,door height is 2000mm,it use 2 hinges
- If 800 mm <width ≤ 1000 mm , <2000 height ≤ 2400mm , it will use 3 hinges



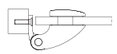
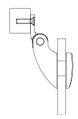
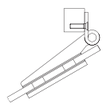
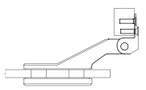






For inward-opening and outward opening, please note the glass door lock and hinges type and installing location

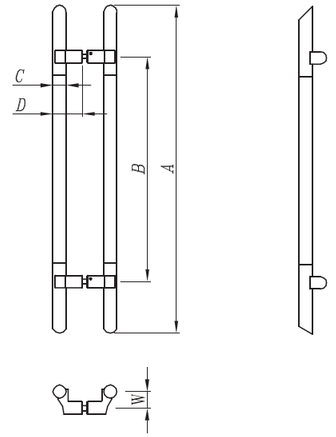
Open angle

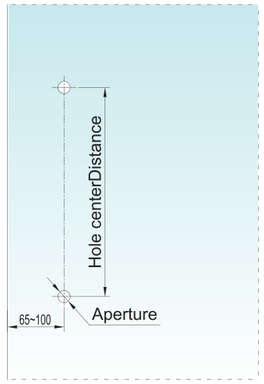
Open angle	0°	90°	120°	150°	180°
Illustration					
Suitable type	JL01\JL02\JL03 JL04\JL05\JL06		JL01	JL06	JL05



Handle Series

- Various styles ,complete specification ,Handle series include stainless steel handle, stainless steel& solid wood handle、aluminum alloy handle、stainless steel & PVC/ABS handle, luxurious handle
- Suitable for various kinds of doors such as wooden door 、Metal door、Glass door、Frame door，etc
- Applicable for door thickness 10~50mm,please replace the coupling screw when door thickness exceed 50mm
- Can be customized according to your requirement
- Please book in advance if you require no inventory products





Note：Please adjust the distance between the mounting hole axis and the edge of the door(65-100)when the door width exceed 1000mm

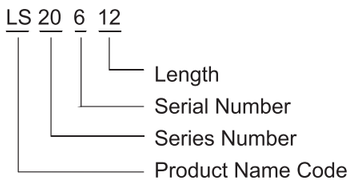
The definition of the letters

A Handle Length
B Hole heart distance
C Steel Pipe Diameter
D Distance between handle outboard and glass panel
W Distance between the main tube and the centre of mounting hole

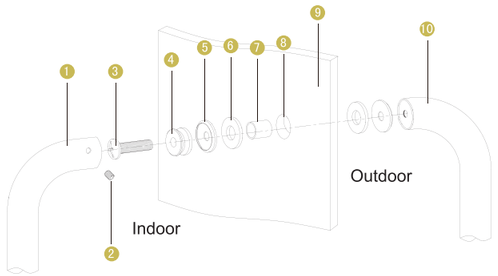
Aperture Reference

Installation Screw	Frameless glass door	Wooden Door，Frame Door
M6	ϕ12	ϕ8
M8	ϕ14	ϕ10

Meaning of the serial number annotation



Installation Instruction



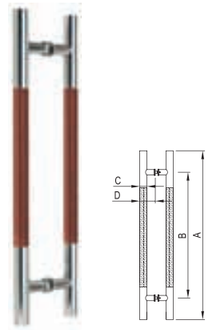
1 Interior handle　2 Set screw　3 Screw
4 Locking sleeve　5 Housing washer　6 Sleeve
7 washer　8 Mounting hole　9 Glass door leaf
10 Outer handle

Surface Finish

Type	Conventional Standard Colors
electroplating	Green Bronze、Champagne Gold、Rose Gold、Titanium Black、Antique Brass
Spraying	Black、Brown、Dark Grey

Notes：
1.Please install the handle when the decoration is finished and the site clearance
2.Please avoid cashing or bumping when install the nonmetallic handle ,it would be difficult to repair the scratch

Stainless steel +Solid wood Handle

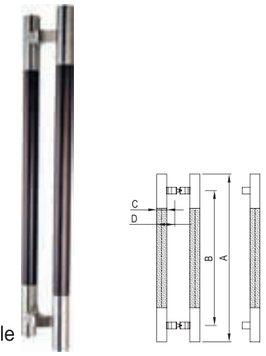


LS124F Handle

Technical parameters
Main Material:SUS304+Solid wood
Surface Finish:Satin or Mirror
Installed screw:M8

Code	LS12412F	LS12408F	LS12404F
A(mm)	1200	800	450
B(mm)	900	600	350
C(mm)	Φ38*1.2	Φ38*1.2	Φ32*1.2
D(mm)	80	80	72

Considering the influence of environment ,only standard solid wood handles are available



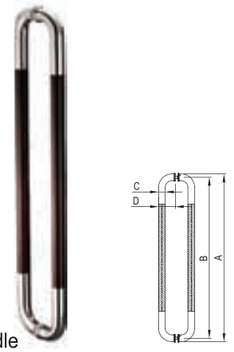
LS205 Handle

Technical parameters
Main Material:SUS304+Solid wood
Surface Finish:Satin
Installed screw:M8

Code	LS20515	LS20512	LS20508
A(mm)	1500	1200	800
B(mm)	1300	850	675
C(mm)	Φ38*1.2	Φ38*1.2	Φ38*1.2
D(mm)	74	74	74
W(mm)	33	33	33

Considering the influence of environment ,only standard solid wood handles are available

Stainless steel +Solid wood Handle

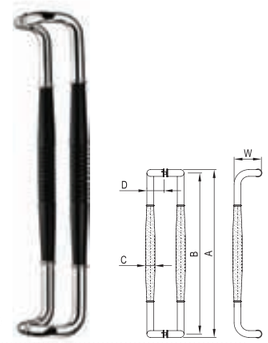


LS410 Handle

Technical parameters
Main Material:SUS304+Solid wood
Surface Finish:Mirror
Installed screw:M8

Code	LS41012	LS41010	LS41008
A(mm)	1200	1000	800
B(mm)	1168	968	768
C(mm)	Φ32*1.2	Φ32*1.2	Φ32*1.2
D(mm)	82	82	82

Considering the influence of environment ,only standard solid wood handles are available

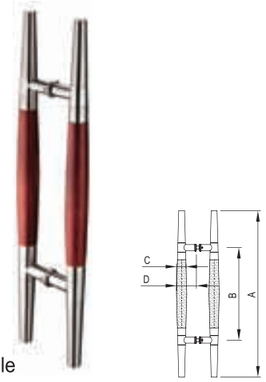


LS412 Handle

Technical parameters
Main Material:SUS304+Solid wood
Surface Finish:Mirror
Installed screw:M8

Code	LS41212	LS41210	LS41208
A(mm)	1200	1000	800
B(mm)	1168	968	768
C(mm)	Φ45*1.2	Φ45*1.2	Φ45*1.2
D(mm)	80	80	80
W(mm)	130	130	130

Considering the influence of environment ,only standard solid wood handles are available

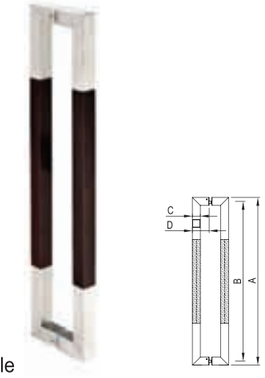


LS302 Handle

Technical parameters
Main Material:SUS304+Solid wood
Surface Finish:Satin + Mirror
Installed screw:M6

Code	LS30206	LS30204
A(mm)	610	450
B(mm)	340	250
C(mm)	φ38*1.2	φ32*1.2
D(mm)	75	70

Considering the influence of environment ,only standard solid wood handles are available



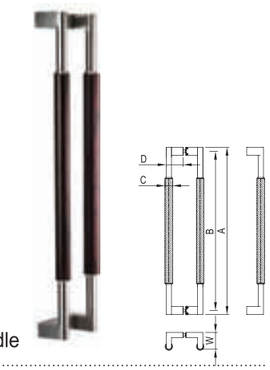
LS405 Handle

Technical parameters
Main Material:SUS304+Solid wood
Surface Finish:Satin
Installed screw:M8

Code	LS40512	LS40508	LS40505
A(mm)	1200	800	500
B(mm)	1162	762	470
C(mm)	38*38*1.2	38*38*1.2	30*30*1.2
D(mm)	80	80	70

Considering the influence of environment ,only standard solid wood handles are available

Stainless steel +Plastic Handle

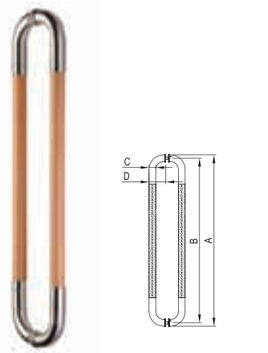


LS411 Handle

Technical parameters
Main Material:SUS304+PVC
Surface Finish:Satin
Installed screw:M8

Code	LS41112	LS41110	LS41108
A(mm)	1200	1000	800
B(mm)	1162	962	762
C(mm)	Φ36*1.2	Φ36*1.2	Φ36*1.2
D(mm)	70	70	70
W(mm)	80	80	80

Considering the influence of environment ,only standard plastic handles are available



LS433 Handle

Technical parameters
Main Material:SUS304+ABC
Surface Finish:Satin
Installed screw:M8

Code	LS43312	LS43310	LS43308
A(mm)	1200	1000	800
B(mm)	1168	968	768
C(mm)	Φ32*1.2	Φ32*1.2	Φ32*1.2
D(mm)	82	82	82

Considering the influence of environment ,only standard plastic handles are available

Handle

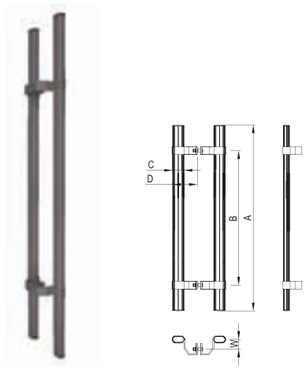
Stainless Steel+Aluminium Alloy Handle

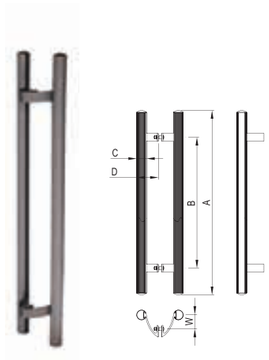
LS228B Handle

Technical parameters
Main Material:Aluminium Alloy
Surface Finish:Dark grey、Brown
Installed screw:M8

Code	LS22824B	LS22822B	LS22820B	LS22818B	LS22815B	LS22812B	LS22810B	LS22808B	LS22806B
A(mm)	2400	2200	2000	1800	1500	1200	1000	800	600
C(mm)	45*25*2.0	45*25*2.0	45*25*2.0	45*25*2.0	45*25*1.2	45*25*1.2	45*25*1.2	45*25*1.2	45*25*1.2
D(mm)	96	96	96	96	96	96	96	96	96
W(mm)	38	38	38	38	38	38	38	38	38

1.There will be some differences between the real objects and pictures due to camera shooting and printing effect , please in kind prevail
2.The center distance B can be adjustable ,but no longer than length A





LS229A Handle

Technical parameters
Main Material:Aluminium Alloy
Surface Finish:Dark grey、Brown
Installed screw:M8

Code	LS22924A	LS22922A	LS22920A	LS22918A	LS22915A	LS22912A	LS22910A	LS22908A	LS22906A
A(mm)	2400	2200	2000	1800	1500	1200	1000	800	600
C(mm)	Φ38*2.0	Φ38*2.0	Φ38*2.0	Φ38*2.0	Φ38*1.2	Φ38*1.2	Φ38*1.2	Φ38*1.2	Φ38*1.2
D(mm)	84	84	84	84	84	84	84	84	84
W(mm)	54	54	54	54	54	54	54	54	54

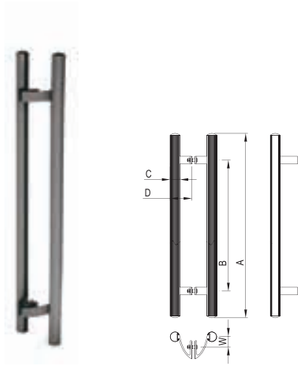
1.There will be some differences between the real objects and pictures due to camera shooting and printing effect , please in kind prevail
2.The center distance B can be adjustable ,but no longer than length A

LS229B Handle

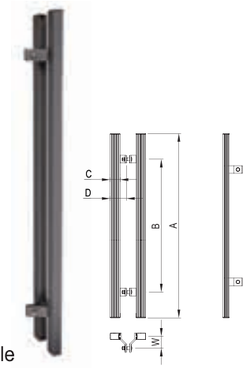
Technical parameters
Main Material:Aluminium Alloy
Surface Finish:Dark grey、Brown
Installed screw:M8

Code	LS22924B	LS22922B	LS22920B	LS22918B	LS22915B	LS22912B	LS22910B	LS22908B	LS22906B
A(mm)	2400	2200	2000	1800	1500	1200	1000	800	600
C(mm)	Φ38*2.0	Φ38*2.0	Φ38*2.0	Φ38*2.0	Φ38*1.2	Φ38*1.2	Φ38*1.2	Φ38*1.2	Φ38*1.2
D(mm)	84	84	84	84	84	84	84	84	84
W(mm)	40	40	40	40	40	40	40	40	40

1.There will be some differences between the real objects and pictures due to camera shooting and printing effect , please in kind prevail
2.The center distance B can be adjustable ,but no longer than length A



Stainless Steel+Aluminium Alloy Handle

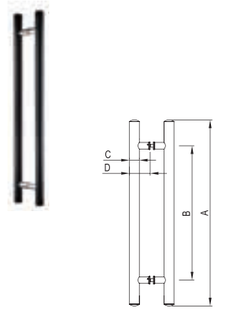


LS230B Handle

Technical parameters
Main Material:Aluminium Alloy
Surface Finish:Dark grey、Brown
Installed screw:M8

Code	LS23024B	LS23022B	LS23020B	LS23018B	LS23015B	LS23012B	LS23010B	LS23008B	LS23006B
A(mm)	2400	2200	2000	1800	1500	1200	1000	800	600
C(mm)	38*25*2.0	38*25*2.0	38*25*2.0	38*25*2.0	38*25*1.2	38*25*1.2	38*25*1.2	38*25*1.2	38*25*1.2
D(mm)	63	63	63	63	63	63	63	63	63
W(mm)	45	45	45	45	45	45	45	45	45

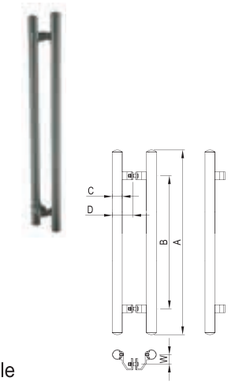
1.There will be some differences between the real objects and pictures due to camera shooting and printing effect , please in kind prevail
2.The center distance B can be adjustable ,but no longer than length A



LS231A Handle

Technical parameters
Main Material:Aluminium Alloy+Stainless steel
Surface Finish:Black+Mirror（Bracket ）, Brown+Satin（Bracket）
Installed screw:M8

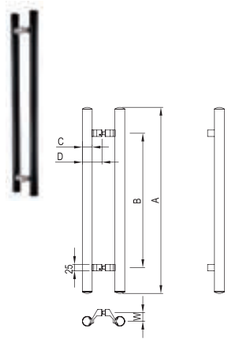
Code	LS23120A	LS23118A	LS23115A	LS23112A
A(mm)	2000	1800	1500	1200
B(mm)	1800	1600	1300	1000
C(mm)	Φ38*2.0	Φ38*2.0	Φ38*2.0	Φ38*2.0
D(mm)	80	80	80	80



LS231 Handle

Technical parameters
Main Material:Aluminium Alloy
Surface Finish:Dark grey、Brown
Installed screw:M8

Code	LS23120	LS23118	LS23115	LS23112
A(mm)	2000	1800	1500	1200
B(mm)	1800	1600	1300	1000
C(mm)	Φ38*2.0	Φ38*2.0	Φ38*2.0	Φ38*2.0
D(mm)	80	80	80	80
W(mm)	38	38	38	38

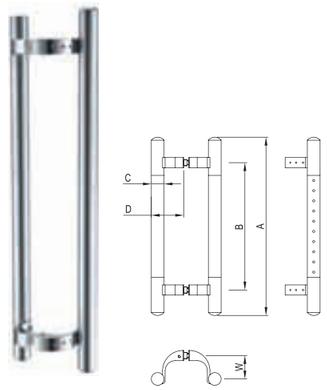


LS231B Handle

Technical parameters
Main Material:Aluminium Alloy+Stainless steel
Surface Finish:Black+Satin（Bracket ）,
Brown+Satin（Bracket）
Installed screw:M8

Code	LS23200B	LS23118B	LS23115B	LS23112B
A(mm)	2000	1800	1500	1200
B(mm)	1800	1600	1300	1000
C(mm)	Φ38*2.0	Φ38*2.0	Φ38*2.0	Φ38*2.0
D(mm)	76	76	76	76
W(mm)	33	33	33	33

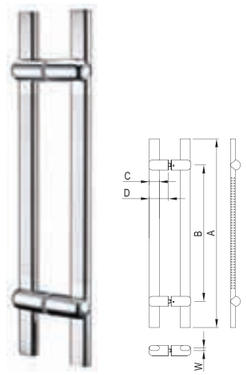
Stainless steel +Brass Handle



LS233 Handle

Technical Parameters
Main Material:SUS304+Brass
Surface Finish:Satin
Installed screw:M8

Code	LS23305	LS23303
A(mm)	500	350
B(mm)	400	250
C(mm)	ф25*1.2	ф25*1.2
D(mm)	64	64
W(mm)	46	46

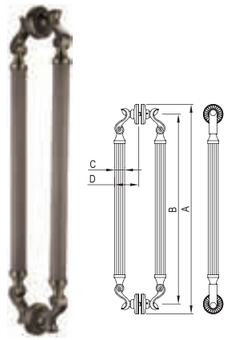


LS235 Handle

Technical Parameters
Main Material:SUS304+Brass
Surface Finish:Satin+Mirror
Installed screw:M8

Code	LS23511	LS23509	LS23506
A(mm)	1100	900	600
B(mm)	800	600	400
C(mm)	38*19*1.2	38*19*1.2	38*19*1.2
D(mm)	73	73	73
W(mm)	10	10	10

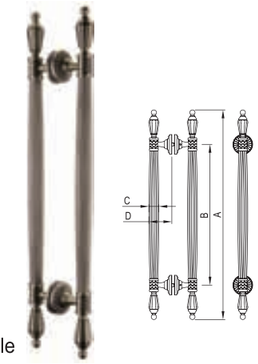
Stainless steel +Brass Handle



LS874 Handle

Technical Parameters
Main Material:SUS304+Brass
Surface Finish:Green Bronze
Installed screw:M8

Code	LS87412	LS87408
A(mm)	1200	800
B(mm)	1127	727
C(mm)	ф38*1.2	ф38*1.2
D(mm)	90	90

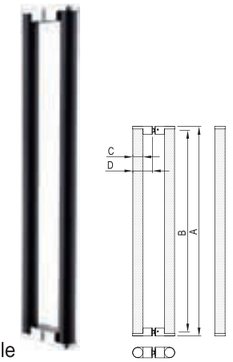


LS875 Handle

Technical Parameters
Main Material:SUS304+Brass
Surface Finish:Green Bronze
Installed screw:M8

Code	A(mm)	B(mm)	C(mm)	D(mm)
LS87508	800	537	ф38*1.2	85

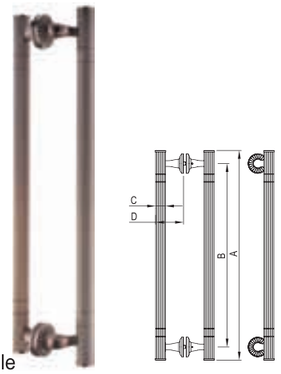
The supporting block is made by stainless steel precise-casting



LS445 Handle

Technical Parameters
Main Material:SUS304+Brass
Surface Finish:Matt Black+Mirror
Installed screw:M8

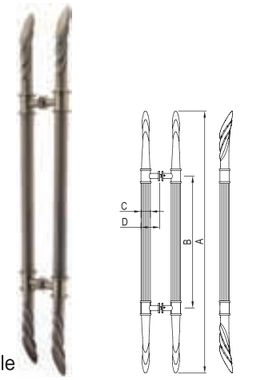
Code	LS44510	LS44508
A(mm)	1000	800
B(mm)	970	770
C(mm)	ф38*1.2	ф38*1.2
D(mm)	75	75



LS873 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Green Bronze
Installed screw:M8

Code	LS87310	LS87308
A(mm)	1000	800
B(mm)	800	700
C(mm)	ф38*1.2	ф38*1.2
D(mm)	104	104



LS876 Handle

Technical Parameters
Main Material:SUS304+Brass
Surface Finish:Green Bronze
Installed screw:M8

Code	A(mm)	B(mm)	C(mm)	D(mm)
LS87612	1250	630	ф45*1.2	90



Handle

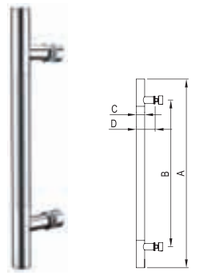
Single Side Stainless Steel Handle

LSD102 Handle

Technical Parameters
Main Material:SUS304+Brass
Surface Finish:Satin+Mirror
Installed screw:M8

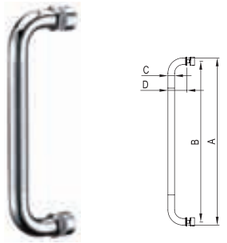
Code	LSD10215	LSD10212	LSD10210	LSD10208	LSD10206	LSD10204
A(mm)	1500	1200	1000	800	600	450
B(mm)	1300	1000	800	600	400	300
C(mm)	ф38*0.8	ф38*0.8	ф38*0.8	ф32*0.8	ф32*0.8	ф32*0.8
D(mm)	80	80	80	72	72	72

The size of screw cap is θ32*8mm



LSD401 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8



Code	LSD40115	LSD40112	LSD40110	LSD40108	LSD40106	LSD40103
A(mm)	1500	1200	1000	800	600	300
B(mm)	1462	1162	962	768	568	275
C(mm)	ф38*1.2	ф38*1.2	ф38*1.2	ф32*1.2	ф32*1.2	ф25*1.2
D(mm)	97	97	97	82	82	72

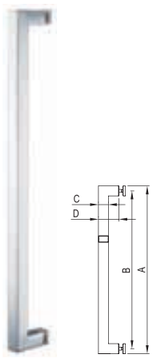
The size of screw cap is θ32*8mm when C is θ25mm
The size of screw cap is θ38*8mm when C is θ32 mm
The size of screw cap is θ45*8mm when C is θ38mm

LSD407 Handle

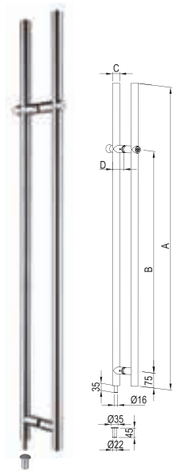
Technical Parameters
Main Material:SUS304
Surface Finish:Satin or Mirror
Installed screw:M8

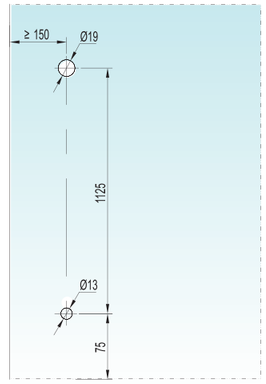
Code	LSD40715	LSD40712	LSD40710	LSD40708	LSD40706	LSD40704
A(mm)	1500	1200	1000	800	600	475
B(mm)	1462	1162	962	762	575	450
C(mm)	38*25*1.2	38*25*1.2	38*25*1.2	38*25*1.2	25*25*1.2	25*25*1.2
D(mm)	78	78	78	78	65	65

The size of screw cap is 25*25*8mm when C is 25*25mm
The size of screw cap is 38*25*8mm when C is 38 *25mm



Stainless steel handle with lock

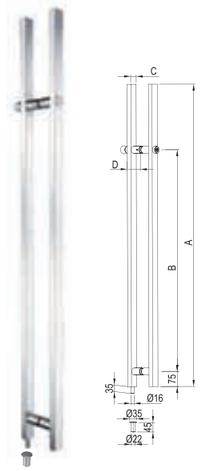




LSS10215 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Applicable glass thickness：10~20mm

Code	A(mm)	B(mm)	C(mm)	D(mm)
LSS10215	1500	1125	φ35*1.2	83



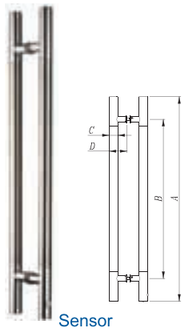
LSS40715 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Applicable glass thickness：10~20mm

Code	A(mm)	B(mm)	C(mm)	D(mm)
LSS40715	1500	1125	38*25*1.2	78



Stainless Steel Speech Shake Handshandle

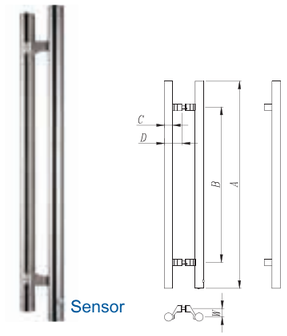


Sensor

YLS102 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin +Mirror
Installed screw:M8

Code	A(mm)	B(mm)	C(mm)	D(mm)
YLS10212	1200	1000	ф38*1.2	80



Sensor

YLS201 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	A(mm)	B(mm)	C(mm)	D(mm)	W(mm)
YLS20112	1200	1000	ф38*1.2	76	33

- Humanization design，Elegant appearance，easy installation and use
- Stable work，strong anti interference ability
- The handle with Voice control induction should be installed in the indoor
- Widely used in hotel、restaurant、store、office building .etc
- Human voice,Soft and sweet tone quality,make you feel at home
- Accurately identify whether people want to enter or go out the door by pushing or pulling the door，and say：Welcome /Welcome next time
- Chinese and English speech are available

Technical Parameter

Working Voltage	DC 7V~DC 9.6V
Battery Specification	9V Alkaline Battery
Working Current	0~100mA
Static Current	60uA
Trigger Mode	Door leaf move every 5s
Infrared Sensor Angle	45°
Infrared Induction Distance	1m
Working Environment	-10~55℃

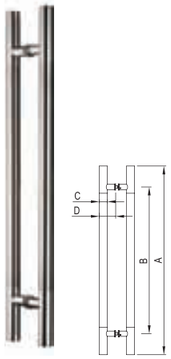
Stainless steel Handle

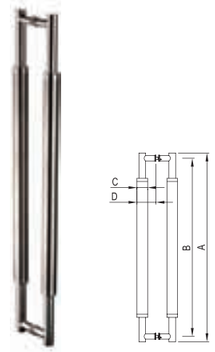
LS102 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin +Mirror
Installed screw:M8

Code	LS10230	LS10228	LS10226	LS10224	LS10222	LS10220	LS10218	LS10215	LS10212	LS10210	LS10208	LS10206	LS10204
A(mm)	3000	2800	2600	2400	2200	2000	1800	1500	1200	1000	800	600	450
B(mm)	2200	2000	1800	1800	1800	1600	1600	1300	1000	800	600	400	300
C(mm)	ф38*1.5	ф38*1.5	ф38*1.2	ф38*1.2	ф38*1.2	ф38*1.2	ф38*0.8	ф38*0.8	ф38*0.8	ф38*0.8	ф32*0.8	ф32*0.8	ф32*0.8
D(mm)	80	80	80	80	80	80	80	80	80	80	72	72	72

All kinds of stainless steel material is available for handle LS102 if client required

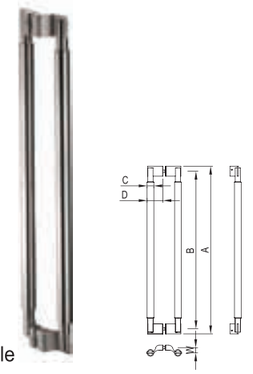




LS103 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin +Mirror
Installed screw:M8

Code	LS10320	LS10315	LS10312	LS10309
A(mm)	2000	1500	1200	900
B(mm)	1900	1450	1150	850
C(mm)	ф51*1.2	ф51*1.2	ф38*1.2	ф38*1.2
D(mm)	83	83	77	77



LS104 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS10420	LS10418	LS10415	LS10412	LS10408
A(mm)	2000	1800	1500	1200	800
B(mm)	1950	1750	1450	1150	750
C(mm)	ф51*1.2	ф51*1.2	ф51*1.2	ф38*1.2	ф32*1.2
D(mm)	83	83	83	75	72
W(mm)	25	25	25	25	25

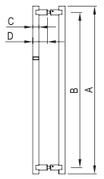
The supporting block is made by stainless steel precise-casting



LS105 Handle

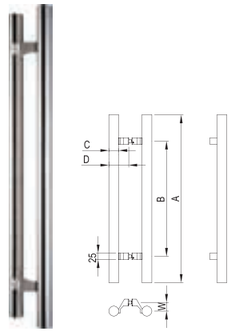
Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS10525	LS10522	LS10520	LS10518	LS10515	LS10512	LS10508	LS10506	LS10504
A(mm)	2500	2200	2000	1800	1500	1200	800	600	450
B(mm)	2300	2000	1800	1600	1300	1100	700	540	300
C(mm)	50X25*1.2	50X25*1.2	50X25*1.2	38X25*1.2	38X25*1.2	38X25*1.2	38X25*1.2	30X15*1.2	30X15*1.2
D(mm)	87	87	87	75	75	75	75	75	75





Stainless steel Handle

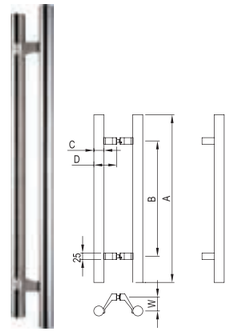


LS201 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS20120	LS20118	LS20115	LS20112	LS20110	LS20108
A(mm)	2000	1800	1500	1200	1000	800
B(mm)	1700	1500	1300	1000	800	600
C(mm)	ϕ38*1.2	ϕ38*1.2	ϕ38*1.2	ϕ38*1.2	ϕ38*1.2	ϕ32*1.2
D(mm)	76	76	76	76	76	70
W(mm)	33	33	33	33	33	33

The supporting block is made by stainless steel precise-casting

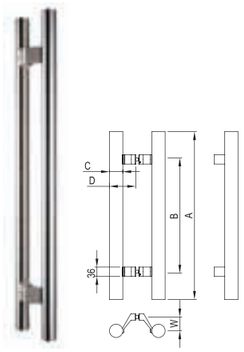


LS201A Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS20120A	LS20115A	LS20110A
A(mm)	2000	1500	1000
B(mm)	1700	1300	800
C(mm)	ϕ38*1.2	ϕ38*1.2	ϕ38*1.2
D(mm)	88	88	88
W(mm)	53	53	53

The supporting block is made by stainless steel precise-casting

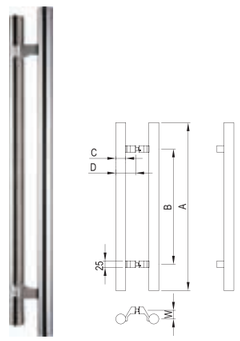


LS201B Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS20126B	LS20120B	LS20115B
A(mm)	2600	2000	1500
B(mm)	2200	1700	1300
C(mm)	ϕ51*1.2	ϕ51*1.2	ϕ51*1.2
D(mm)	100	100	100
W(mm)	53	53	53

The supporting block is made by stainless steel precise-casting

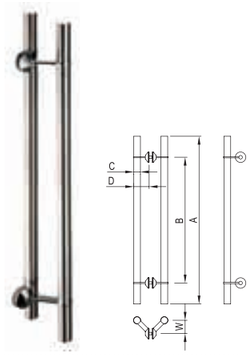


LS201C Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS20120C	LS20118C	LS20115C	LS20112C	LS20110C	LS20108C
A(mm)	2000	1800	1500	1200	1000	800
B(mm)	1700	1500	1300	1000	800	600
C(mm)	ϕ38*1.2	ϕ38*0.8	ϕ38*0.8	ϕ38*0.8	ϕ38*0.8	ϕ38*0.8
D(mm)	76	76	76	76	76	76
W(mm)	33	33	33	33	33	33

Stainless steel Handle

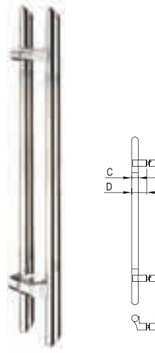
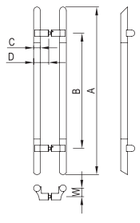


LS202 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

Code	LS20212	LS20210	LS20208
A(mm)	1200	1000	800
B(mm)	1000	800	600
C(mm)	ф32*1.2	ф32*1.2	ф32*1.2
D(mm)	76	76	76
W(mm)	63	63	63

The supporting block is made by stainless steel precise-casting

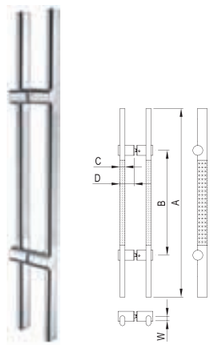



LS206 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

Code	LS20620	LS20618	LS20615	LS20612	LS20610	LS20608
A(mm)	2000	1800	1500	1200	1000	800
B(mm)	1700	1500	1300	1000	800	550
C(mm)	ф38*1.2	ф38*1.2	ф38*1.2	ф38*1.2	ф32*1.2	ф32*1.2
D(mm)	74	74	74	74	72	72
W(mm)	40	40	40	40	40	40

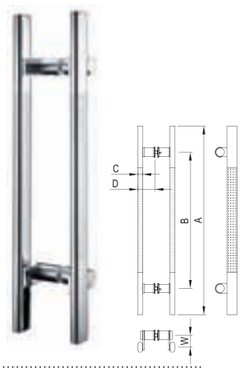
The supporting block is made by stainless steel precise-casting



LS232 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

Code	LS23210	LS23208
A(mm)	1000	800
B(mm)	800	400
C(mm)	19*38*1.2	19*38*1.2
D(mm)	54	54
W(mm)	17	17

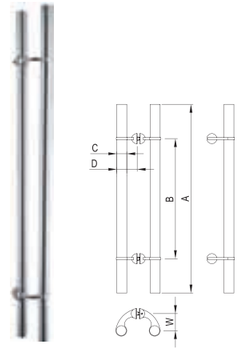


LS234 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

Code	LS23412	LS23410	LS23408	LS23406
A(mm)	1200	1000	800	600
B(mm)	900	700	600	400
C(mm)	19*38*1.2	19*38*1.2	19*38*1.2	19*38*1.2
D(mm)	66	66	66	66
W(mm)	46	46	46	46

Stainless steel Handle

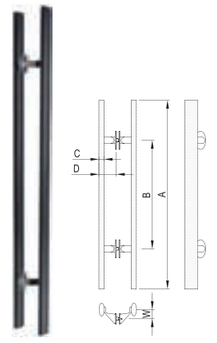


LS236 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS23618	LS23615	LS23613
A(mm)	1800	1500	1300
B(mm)	1400	1100	900
C(mm)	ф38*1.2	ф38*1.2	ф38*1.2
D(mm)	78	78	78
W(mm)	65	65	65

The supporting block is made by stainless steel precise-casting

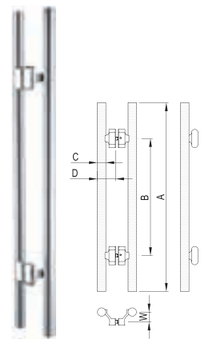


LS237 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Matt Black+Mirror
Installed screw:M8

Code	LS23718	LS23715	LS23712
A(mm)	1800	1500	1200
B(mm)	1200	1000	800
C(mm)	20*50*1.2	20*50*1.2	20*50*1.2
D(mm)	67	67	67
W(mm)	35	35	35

The supporting block is made by stainless steel precise-casting

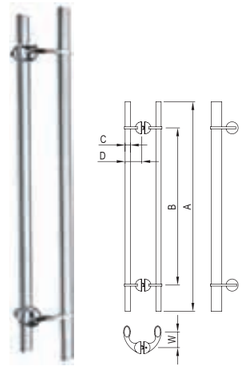


LS238 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

Code	LS23818	LS23815	LS23812	LS23810
A(mm)	1800	1500	1200	1000
B(mm)	1200	900	800	600
C(mm)	ф38*1.2	ф38*1.2	ф32*1.2	ф32*1.2
D(mm)	76	76	70	70
W(mm)	38	38	38	38

The supporting block is made by stainless steel precise-casting



LS239 Handle

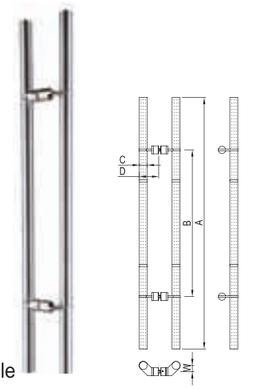
Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS23910	LS23908
A(mm)	1000	800
B(mm)	800	600
C(mm)	20*40*1.2	20*40*1.2
D(mm)	64	64
W(mm)	60	60

The supporting block is made by stainless steel precise-casting

Handle

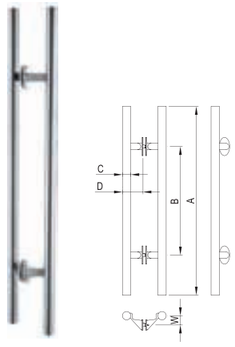
Stainless steel Handle



LS240 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

Code	LS24018	LS24015	LS24012
A(mm)	1800	1500	1200
B(mm)	1300	1000	700
C(mm)	ф38*1.2	ф38*1.2	ф38*1.2
D(mm)	92	92	92
W(mm)	30	30	30



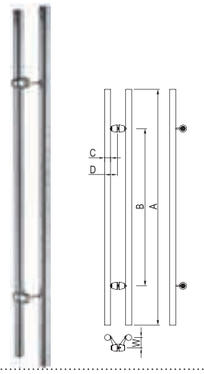
LS241 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M6

Code	LS24112	LS24110
A(mm)	1200	1000
B(mm)	800	600
C(mm)	ф32*1.2	ф32*1.2
D(mm)	79	79
W(mm)	35	35

The supporting block is made by stainless steel precise-casting

Stainless steel Handle

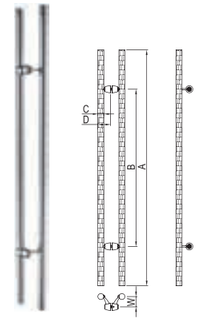


LS244 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Titanium or Mirror
Installed screw:M8

Code	LS24418	LS24415
A(mm)	1800	1500
B(mm)	1300	1000
C(mm)	ф38*1.2	ф38*1.2
D(mm)	81	81
W(mm)	66	66

The supporting block is made by stainless steel precise-casting

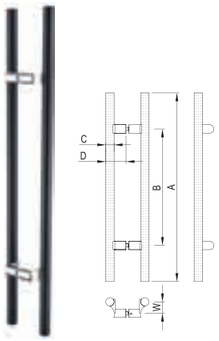


LS245 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Titanium or Mirror
Installed screw:M8

Code	LS24518	LS24515
A(mm)	1800	1500
B(mm)	1300	1000
C(mm)	ф38*1.2	ф38*1.2
D(mm)	81	81
W(mm)	66	66

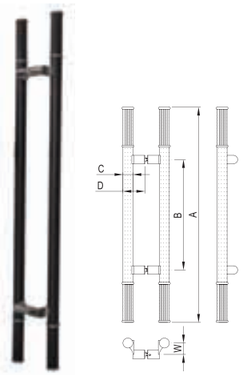
The supporting block is made by stainless steel precise-casting



LS242 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Matt Black+Mirror
Installed screw:M8

Code	LS24218	LS24210
A(mm)	1800	1000
B(mm)	1200	600
C(mm)	ф38*1.2	ф32*1.2
D(mm)	84	78
W(mm)	44	44



LS243 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Matt Black+Mirror
Installed screw:M8

Code	LS24318	LS24315	LS24312
A(mm)	1800	1500	1200
B(mm)	1200	1000	800
C(mm)	ф38*1.2	ф38*1.2	ф38*1.2
D(mm)	84	84	84
W(mm)	44	44	44

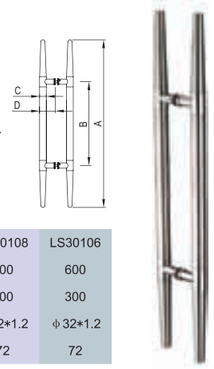
The supporting block is made by stainless steel precise-casting



LS246 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS24612	LS24610
A(mm)	1200	1000
B(mm)	800	600
C(mm)	20*80*1.2	20*80*1.2
D(mm)	62	62



LS301 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

Code	LS30112	LS30110	LS30108	LS30106
A(mm)	1200	1000	800	600
B(mm)	600	500	400	300
C(mm)	ф38*1.2	ф38*1.2	ф32*1.2	ф32*1.2
D(mm)	80	80	72	72

LS401 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

Code	LS40120	LS40118	LS40115	LS40112	LS40110	LS40108	LS40106	LS40105	LS40103
A(mm)	2000	1800	1500	1200	1000	800	600	500	300
B(mm)	1962	1762	1462	1162	962	768	568	468	275
C(mm)	ф38*1.2	ф38*1.2	ф38*1.2	ф38*1.2	ф38*1.2	ф32*1.2	ф32*1.2	ф32*1.2	ф25*1.2
D(mm)	97	97	97	97	97	82	82	82	72

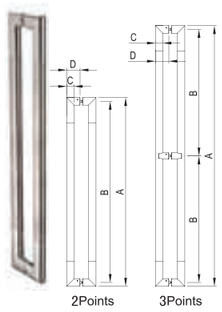
Handle

Stainless steel Handle

LS404 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

Code	LS40430	LS40428	LS40426	LS40424	LS40422	LS40420	LS40418	LS40415	LS40412	LS40410	LS40408
A(mm)	3000	2800	2600	2400	2200	2000	1800	1500	1200	1000	800
B(mm)	1477.5	1377.5	1277.5	2355	2155	1955	1755	1455	1155	955	755
C(mm)	45*25*1.2	45*25*1.2	45*25*1.2	45*25*1.5	45*25*1.5	45*25*1.2	45*25*1.2	45*25*1.2	45*25*1.2	45*25*1.2	45*25*1.2
D(mm)	80	80	80	80	80	80	80	80	80	80	80
Connecting point	3 Points	3 Points	3 Points	2 Points	2 Points	2 Points	2 Points	2 Points	2 Points	2 Points	2 Points

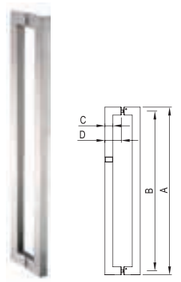


LS407 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin or Mirror
Installed screw:M8

Code	LS40730	LS40728	LS40726	LS40724	LS40722	LS40720	LS40718	LS40715	LS40712	LS40710	LS40708	LS40706	LS40704
A(mm)	3000	2800	2600	2400	2200	2000	1800	1500	1200	1000	800	600	475
B(mm)	2950	2750	2550	2350	2150	1950	1762	1462	1162	962	762	575	450
C(mm)	50*25*2.0	50*25*2.0	50*25*1.5	50*25*1.5	50*25*1.2	50*25*1.2	38*25*1.2	38*25*1.2	38*25*1.2	38*25*1.2	38*25*1.2	25*25*1.2	25*25*1.2
D(mm)	90	90	90	90	90	90	78	78	78	78	78	65	65

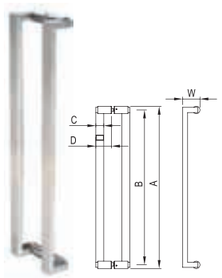
When Length A ＞2000mm，the surface can only be satin



LS408 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS40830	LS40828	LS40826	LS40824	LS40822	LS40820	LS40818	LS40815	LS40812	LS40808	LS40806
A(mm)	3000	2800	2600	2400	2200	2000	1835	1500	1197	800	600
B(mm)	2965	2765	2565	2365	2165	1965	1800	1465	1162	765	575
C(mm)	50*25*2.0	50*25*2.0	50*25*1.5	50*25*1.5	50*25*1.2	38*25*1.2	38*25*1.2	38*25*1.2	38*25*1.2	38*25*1.2	30*15*1.2
D(mm)	90	90	90	90	90	78	78	78	78	78	70
W(mm)	75	75	75	75	75	75	75	75	75	75	65

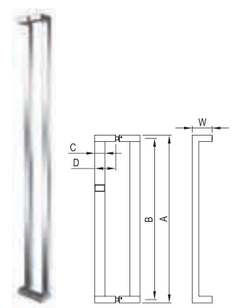


LS408A Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin or Mirror
Installed screw:M8

Code	LS40830A	LS40828A	LS40826A	LS40824A	LS40822A	LS40820A	LS40818A	LS40815A	LS40812A	LS40808A	LS40806A
A(mm)	3000	2800	2600	2400	2200	2000	1800	1500	1200	800	600
B(mm)	2975	2775	2575	2375	2175	1975	1775	1475	1175	775	585
C(mm)	50*25*2.0	50*25*2.0	50*25*1.5	50*25*1.2	50*25*1.2	38*25*1.2	38*25*1.2	38*25*1.2	38*25*1.2	38*25*1.2	30*15*1.2
D(mm)	90	90	90	90	90	78	78	78	78	78	70
W(mm)	75	75	75	75	75	75	75	75	75	75	65

When Length A ＞2000mm，the surface can only be satin

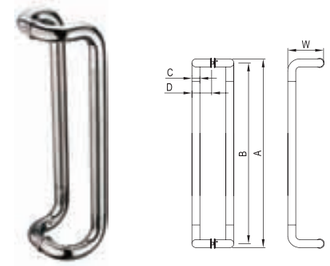


Stainless steel Handle

LS413F Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

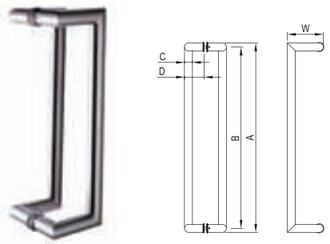
Code	LS41312F	LS41310F	LS41308F	LS41306F	LS41304F	LS41303F
A(mm)	1200	1000	800	600	457	300
B(mm)	1162	962	762	562	425	275
C(mm)	ф38*1.2	ф38*1.2	ф38*1.2	ф38*1.2	ф32*1.2	ф25*1.2
D(mm)	90	90	90	90	80	70
W(mm)	165	165	165	165	130	110



LS417F Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

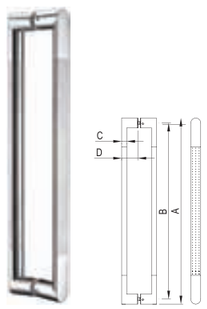
Code	LS41720F	LS41718F	LS41715F	LS41712F	LS41710F	LS41708F	LS41704F
A(mm)	2000	1800	1500	1200	1000	800	450
B(mm)	1962	1762	1462	1162	962	762	418
C(mm)	ф38*1.2	ф38*1.2	ф38*1.2	ф38*1.2	ф38*1.2	ф38*1.2	ф32*1.2
D(mm)	88	88	88	88	88	88	72
W(mm)	170	170	170	170	170	170	130



LS442 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

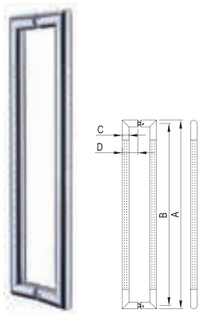
Code	LS44208	LS44206
A(mm)	800	600
B(mm)	762	562
C(mm)	19*38*1.2	19*38*1.2
D(mm)	62	62



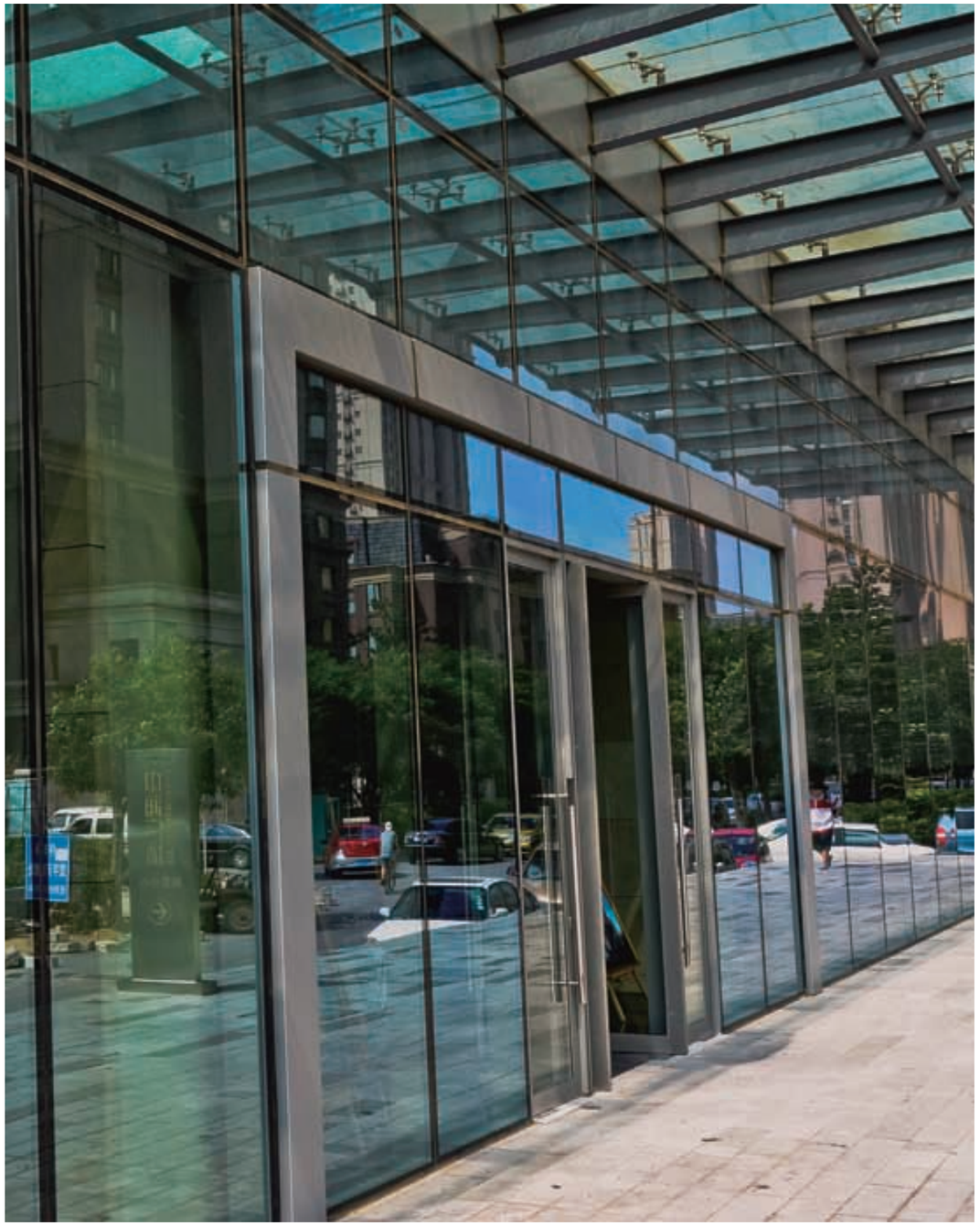
LS443 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

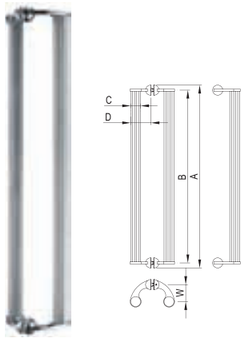
Code	LS44312	LS44310	LS44308	LS44306	LS44304
A(mm)	1200	1000	800	600	400
B(mm)	1162	962	768	568	375
C(mm)	ф38*1.2	ф38*1.2	ф32*1.2	ф32*1.2	ф25*1.2
D(mm)	75	75	75	75	60



Handle



Stainless steel Handle



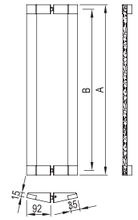
LS444 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS44410	LS44408	LS44406
A(mm)	1000	800	600
B(mm)	962	762	562
C(mm)	ф38*1.2	ф38*1.2	ф38*1.2
D(mm)	78	78	78
W(mm)	65	65	65

The supporting block is made by stainless steel precise-casting





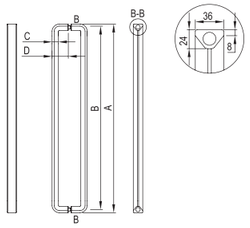
LS446 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS44608	LS44606
A(mm)	800	650
B(mm)	765	615
C(mm)	15*35*1.2	15*35*1.2
D(mm)	92	92

The supporting block is made by stainless steel precise-casting





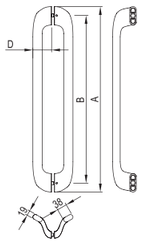
LS447 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS44712	LS44710	LS44708
A(mm)	1200	1000	800
B(mm)	1176	976	776
C(mm)	24*36	24*36	24*36
D(mm)	62	62	62

The supporting block is made by stainless steel precise-casting



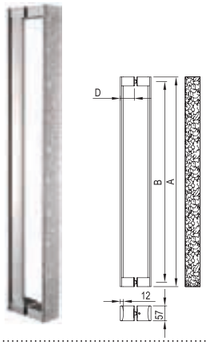


LS448 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M6

Code	LS44812	LS44810	LS44808
A(mm)	1200	1000	800
B(mm)	1132	932	732
C(mm)	19*38	19*38	19*38
D(mm)	72	72	72

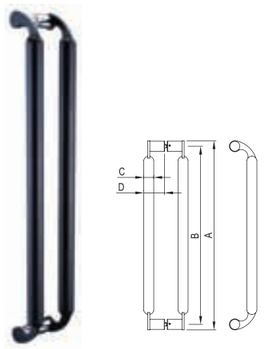
Stainless steel Handle



LS449 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Mirror
Installed screw:M8

Code	A(mm)	B(mm)	C(mm)	D(mm)
LS44908	800	766	12*57*1.2	54



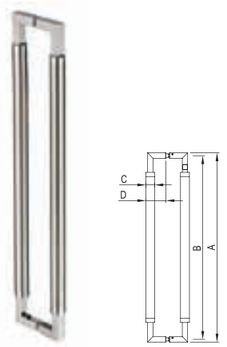
LS450 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Matt Black+Mirror
Installed screw:M8

Code	LS45010	LS45008
A(mm)	1000	800
B(mm)	960	760
C(mm)	Φ38*1.2	Φ38*1.2
D(mm)	80	80

The supporting block is made by stainless steel precise-casting

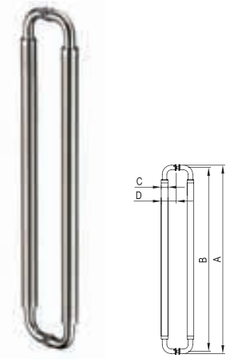
Stainless steel Handle



LS604 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

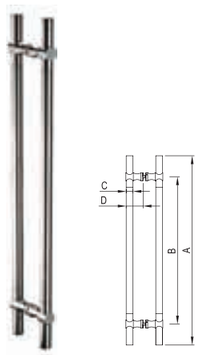
Code	LS60408	LS60406	LS60404
A(mm)	800	600	400
B(mm)	780	580	380
C(mm)	Φ32*1.2	Φ32*1.2	Φ32*1.2
D(mm)	72	72	72



LS605 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

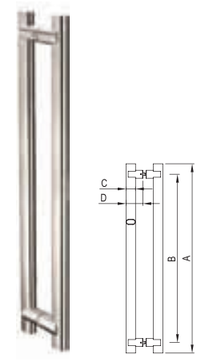
Code	LS60508	LS60506	LS60504
A(mm)	800	600	400
B(mm)	778	578	378
C(mm)	Φ32*1.2	Φ32*1.2	Φ32*1.2
D(mm)	72	72	72



LS601 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

Code	LS60110	LS60108	LS60106
A(mm)	1000	800	600
B(mm)	800	600	400
C(mm)	Φ32*1.2	Φ32*1.2	Φ32*1.2
D(mm)	81.5	81.5	81.5



LS603 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

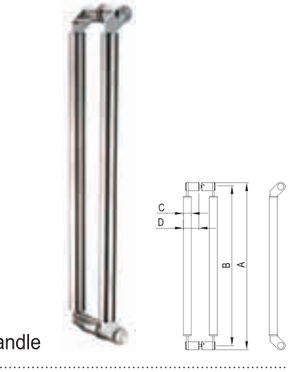
Code	LS60318	LS60315	LS60312	LS60308	LS60306	LS60304
A(mm)	1800	1500	1200	800	600	450
B(mm)	1600	1300	1000	700	400	300
C(mm)	45*25*1.2	45*25*1.2	40*16*1.2	45*25*1.2	38*20*1.2	30*15*1.2
D(mm)	80	80	80	80	78	65



LS606 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	LS60615L/R	LS60612L/R	LS60610L/R
A(mm)	1500	1200	1000
B(mm)	1000	800	600
C(mm)	Φ38*1.2	Φ38*1.2	Φ38*1.2
D(mm)	80	80	80



LS702 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin+Mirror
Installed screw:M8

Code	LS70220	LS70218	LS70215	LS70212	LS70208
A(mm)	2000	1800	1500	1200	800
B(mm)	1962	1762	1462	1162	762
C(mm)	Φ38*1.2	Φ38*1.2	Φ38*1.2	Φ38*1.2	Φ38*1.2
D(mm)	75	75	75	75	75

The supporting block is made by stainless steel precise-casting

Handle

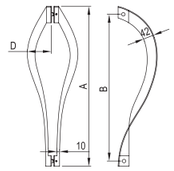
Stainless steel Handle



LS706 Handle

型号	A(mm)	B(mm)	C(mm)
LS70603	375	345	70





LS728 Handle

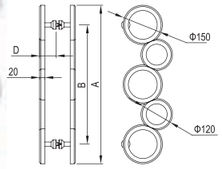
Technical Parameters
Main Material:SUS304
Surface Finish:Mirror
Installed screw:M8

型号	A(mm)	B(mm)	C(mm)	D(mm)
LS72806L/R	610	570	42	92

The Whole handle is made by stainless steel precise-casting

Stainless steel Handle





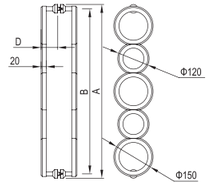
LS923 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Mirror
Installed screw:M8

Code	A(mm)	B(mm)	D(mm)
LS92306	605	455	64

The Whole handle is made by stainless steel precise-casting





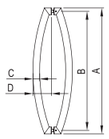
LS924 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Mirror
Installed screw:M8

Code	A(mm)	B(mm)	D(mm)
LS92406	665	630	64

The Whole handle is made by stainless steel precise-casting



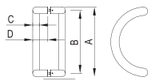


LS905 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Mirror
Installed screw:M8

Code	LS90506	LS90504
A(mm)	600	400
B(mm)	568	375
C(mm)	ф32*1.2	ф25*1.2
D(mm)	88	58



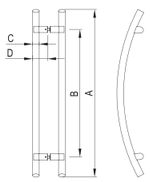


LS908 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	A(mm)	B(mm)	C(mm)	D(mm)
LS90803	332	300	ф32*1.2	72





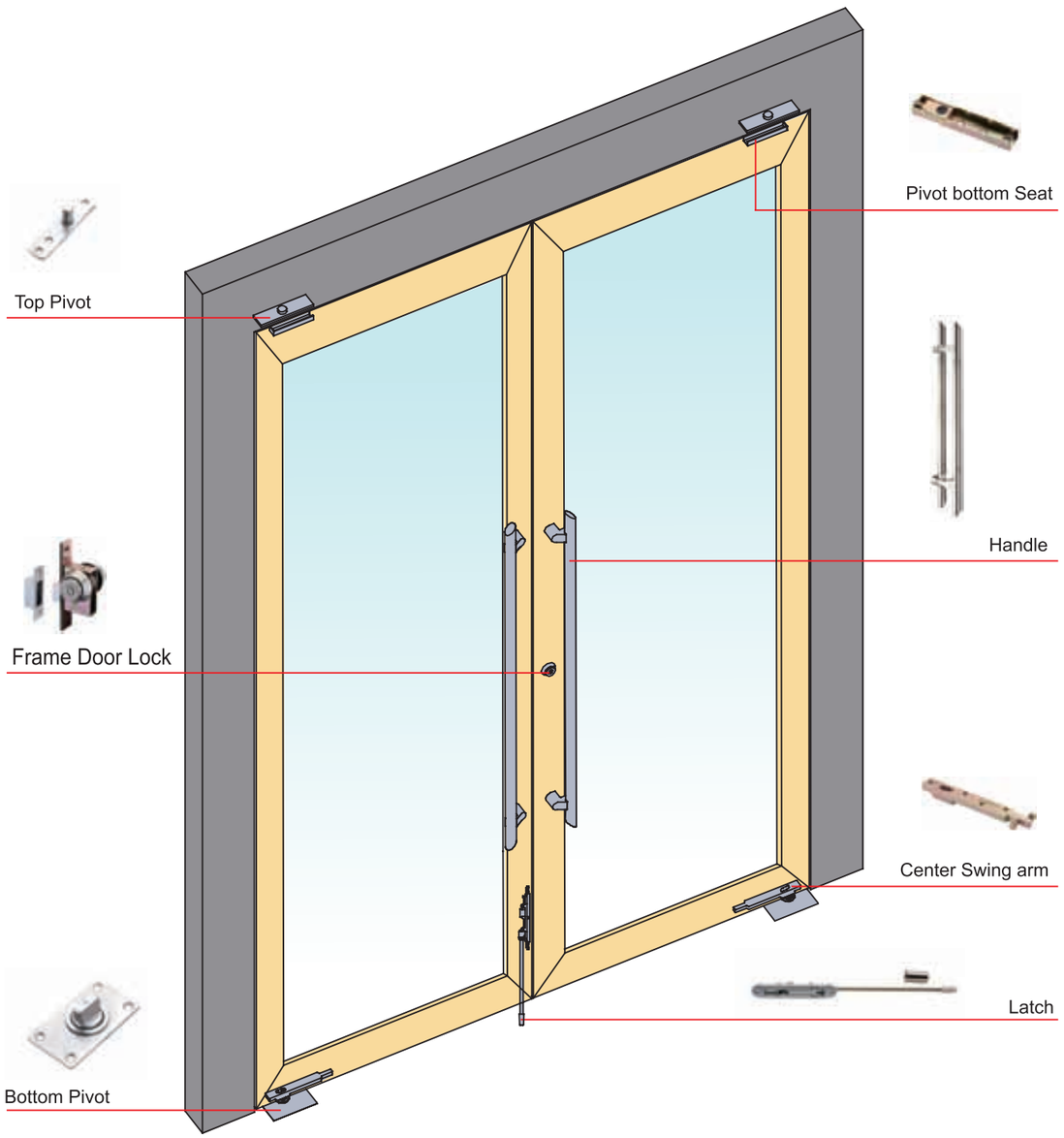
LS906 Handle

Technical Parameters
Main Material:SUS304
Surface Finish:Satin
Installed screw:M8

Code	A(mm)	B(mm)	C(mm)	D(mm)
LS90608	800	600	ф32*1.2	72



Frame Side Hung Glass Door Accessories



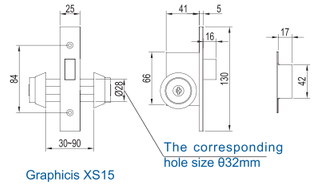
Frame Door Lock Series



XS15 Profiles Intermediate Door Lock



XS16 Profiles Intermediate Door Lock



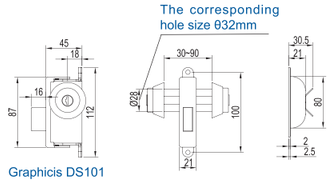
Graphicis XS15



DS101 Ground lock



DS102 Ground lock



Graphicis DS101

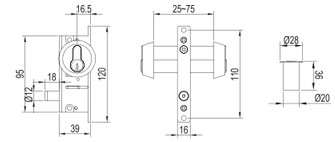
- Suitable for door thickness 60~90mm,please specify the door thickness when you purchase
- XS15/DS101 are double-head lock,XS16/DS102 are single head lock with knob
- The lock use dust-proof design
- When install，Please refer to instruction of installation



DS201 Ground lock



DS202 Ground lock



Graphicis DS201　　Hole Size ϕ35

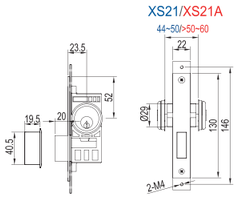
- Suitable for door thickness 25~75mm,please specify the door thickness when you purchase
- Using circular hole design， easy to install
- DS201 are double-head lock,DS202 are single head lock with knob
- The lock box use dust-proof design



XS21 / XS21A Profiles Intermediate Door Lock

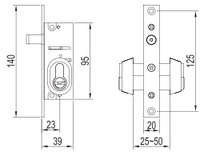


XS22 Profiles Intermediate Door Lock





XS31 Profiles Intermediate Door Lock

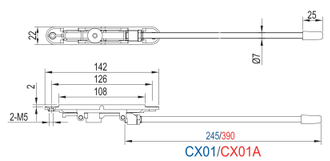


Code	XS21	XS21A	XS22	XS31
Door Thickness	44～50mm	>50～60mm	44～50mm	25～50mm
Locks Form	Double Head Lock	Double Head Lock	Single Head Lock with Knob	Double Head Lock
Remark	XS21-There would be no lock cover when door thickness ＞46~50mm	XS21A-There would be no lock cover when door thickness ＞ 54~60mm	XS22-There would be no lock cover when door thickness ＞ 46~50mm	XS31-You need to change the cylinder only when door thickness ＞ 25-50mm



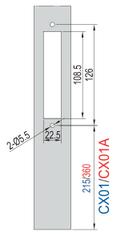
CX01 / ***CX01A*** Latch

- Material of main part is zinc alloy ,adopting spray-paint treatment， we mainly supply color for silver grey ,please mark out if you need other colors
- The material of rod is carbon steel and surface finish is color zinc-plating.
- Latch tube adopt dust-proof design

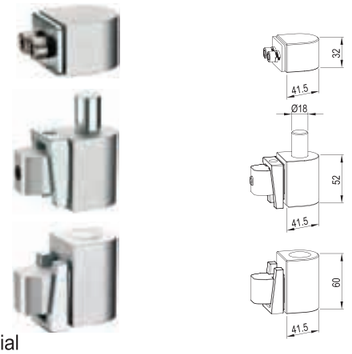




Hole Size



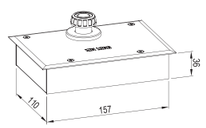
Pivot Hinge Series



XP15 Door axial



XZ01 Pivot Hinge Code MD007E



- Main Material:Aluminium Alloy ,Surface Treatment :spray-paint， Standard Color :Silver Grey
- Recommend Load-bearing 120kg
- Suitable for profiles door
- Maximum Opening Angle:170°
- Service Life：500.000 Cycles
- Bottom Pivot can be adjusted ±5° vertically

- The material of main part is cast iron ,adopting spray-paint treatment ,and the color is silver grey
- The material of decoration cover is SUS304, and surface finish is satin.
- Recommend Load-bearing 120kg， Maximum door width 1200mm
- Process good function of water-proof、 insulation、insect-proof and rust-proof
- It can be adjusted omni- directional , regulating variable is ±5mm
- Supporting the use of offset pivot
- Please choose standard features(with door gear) or simple features (without door gear)according to the requirement of project

Notes：

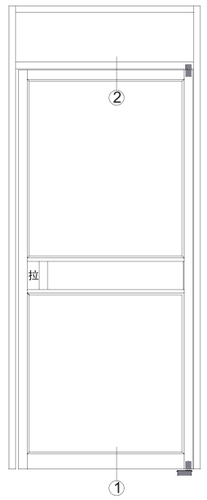
◆Applicable for profile thickness of 2.5~3mm.

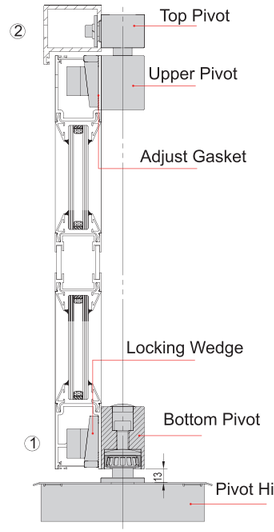
◆Please increase adjusting gaskets when profile thickness ＜2.5mm

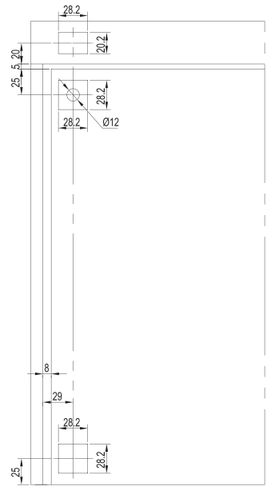
◆Please smooth the Locking wedge according to standard profiles thickness when profiles thickness ＞3mm

◆Please don't hit the Locking wedge hardly when install ,to avoid damaging the upper pivot and bottom pivot

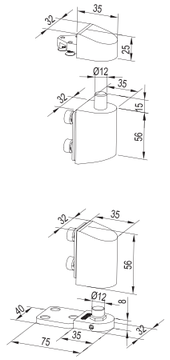
Installation Instruction











XP06 Door Axial

- Material：SUS304 ,Surface Finish:Mirror or Satin
- Recommend Load bearing 100kg ,Maximum door width 1000mm,Maximum door height 2400mm
- Suitable for profiles door
- Maximum Opening Angle:170°
- Service Life：300.000 Cycles
- Bottom Pivot can be adjusted ±5° vertically

Pivot Hinge Series

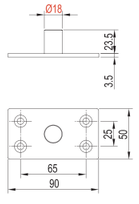


DZ202 Pivot Hinge

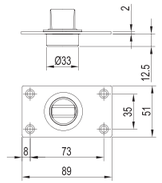


DZ203 Pivot Hinge

Top Pivot DZ202-02

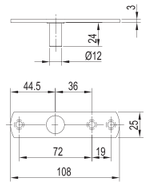


Bottom Pivot DZ203-01

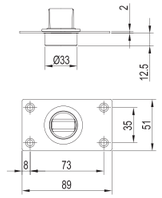


1.Top pivot support the use of bottom pivot seat DX04 and upper patch fittingFM204/CM201(θ18)/CM211(θ18)
2.Bottom pivot work along with center swing arm DY05

Top Pivot DZ203-02



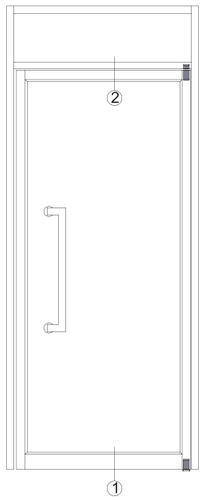
Bottom Pivot DZ203-01

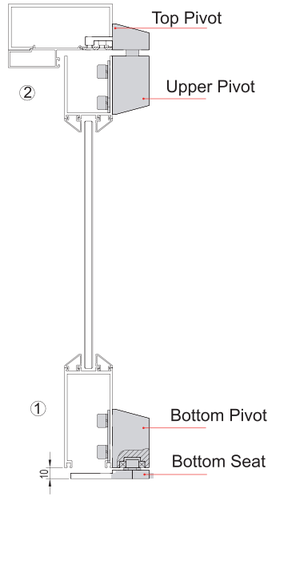


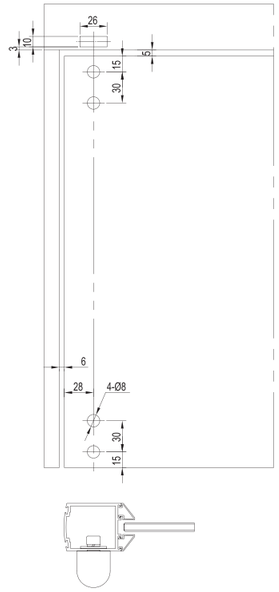
1.Top pivot support the use of pivot bottom seat DX03/DX05.
2.Bottom pivot work along with center swing arm DY05 and bottom patch fitting

- Recommend Load bearing 150kg
- Decoration panel made by SUS304,surface Finish:Satin
- 360° rotation can be achieved ,without positioning function,recommend to work with door closer .
- Suitable for wooden door ,metal door and frame door
- The standard angle which are between floor hinge is 14°,Please mark out if 6°

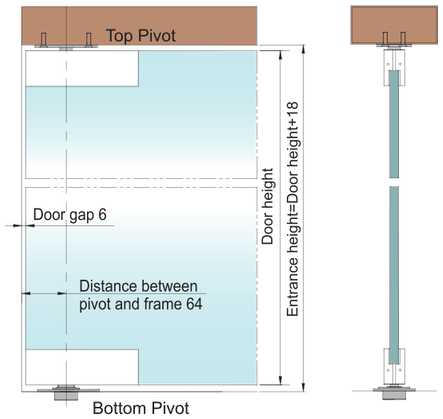
Stallation Instruction

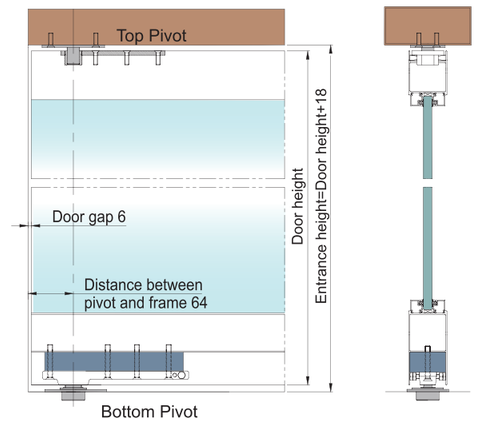






Installation Instruction





Frame Door Accessories

Buffered Glass Sliding door

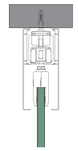
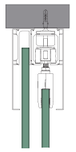
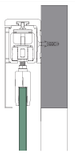


- Recommend Load bearing of single leaf door is 70kg
- The buffering distance of door leaf is 70mm
- Applicable for glass thickness 10~12mm
- Main material is aluminium alloy ,surface finish is silver white sand blasting oxidation
- Standard guide rail length :2000mm、3000mm、4000mm

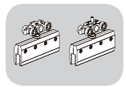
Serial number meaning annotation

TLG 3 1 0 1 D

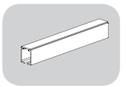
- D: Buffering Type D means unidirectional buffering，S means unidirectional buffering
- 1: Door Leaf Amount 1 means single open-door ,2 means double open-door
- 0: Installation Type 0 means Installation on the top of the door,1 means Installation on the top of the door with glass,2 means Installation in the side door
- 1: Applicable for door type 1 means glass door ,2 means wooden door
- 3: Series Number
- TLG: Name Number

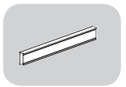
Installation Type	Sectional View	Door Type	Code	Buffering Schematic
Installation on the top of the door		Single open-door unidirectional buffering	TLG3101D	
		Single open-door bidirectional buffering	TLG3101S	
		Double open-door unidirectional buffering	TLG3102D	
Installation on the top of the door with glass		Single open-door unidirectional buffering	TLG3111D	
		Single open-door bidirectional buffering	TLG3111S	
		Double open-door unidirectional buffering	TLG3112D	
Installation in the side of the door		Single open-door unidirectional buffering	TLG3121D	
		Single open-door bidirectional buffering	TLG3121S	
		Double open-door unidirectional buffering	TLG3122D	

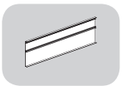
●Please place order according to the Item number which include a complete set of buffering door fittings

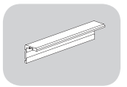

Pulley


Buffer


Guide Rail


Fixed Clamp

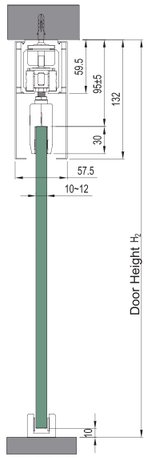

Decoration panel


Fixed Seat

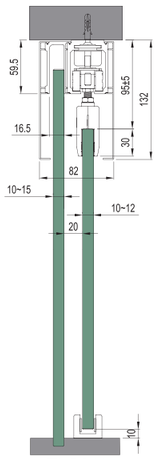
Seal Cover


Stopper

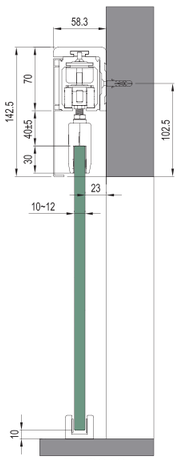

Anti-sway Block



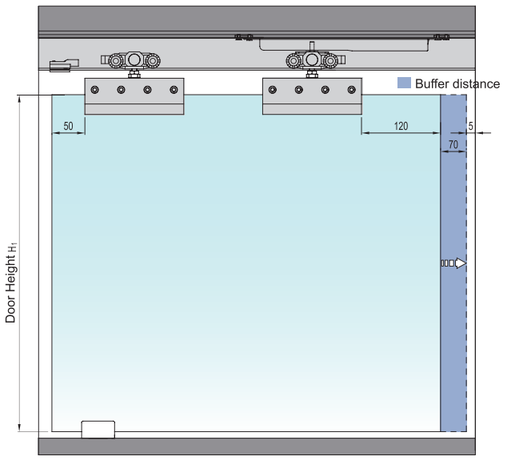
TLG310



TLG311



TLG312



1.Installation on the top of the door :Door Height H1=Entrance height H2-95-10(bottom crevice of the door)
2.Installation in the side of the door：Door Height H1=Entrance height H2+32.5-10(bottom crevice of the door)

Buffered Glass Sliding door

Buffered Glass Sliding door

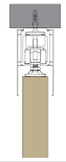
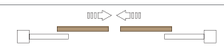
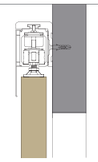
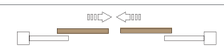


Serial number meaning annotation

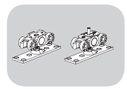
- Recommend Load bearing of single leaf door is 70kg
- The buffering distance of door leaf is 70mm
- Applicable for glass thickness 35~50mm
- Main material is aluminium alloy ,surface finish is silver white sand blasting oxidation
- Standard guide rail length :2000mm、3000mm、4000mm

TLG 3 3 0 1 D

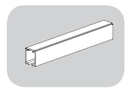
- D: Buffering Type D means unidirectional buffering，S means unidirectional buffering
- 1: Door Leaf Amount 1 means single open-door ,2 means double open-door
- 0: Installation Type 0 means Installation on the top of the door,1 means Installation on the top of the door with glass,2 means Installation in the side door
- 1: Applicable for door type 1 means glass door ,2 means wooden door
- 3: Series Number
- 3: Name Number

Installation Type	Sectional View	Door Type	Code	Buffering Schematic
Installation on the top of the door		Single open-door unidirectional buffering	TLG3301D	
		Single open-door bidirectional buffering	TLG3301S	
		Double open-door unidirectional buffering	TLG3302D	
Installation in the side of the door		Single open-door unidirectional buffering	TLG3321D	
		Single open-door bidirectional buffering	TLG3321S	
		Double open-door unidirectional buffering	TLG3322D	

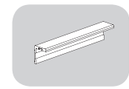
●Please place order according to the Item number which include a complete set of buffering door fittings


Pulley


Buffer


Guide Rail

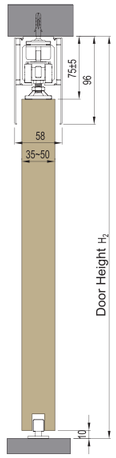

Decoration panel


Fixed Seat

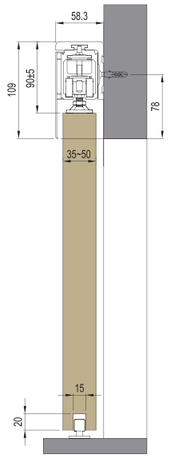
Seal Cover


Stopper

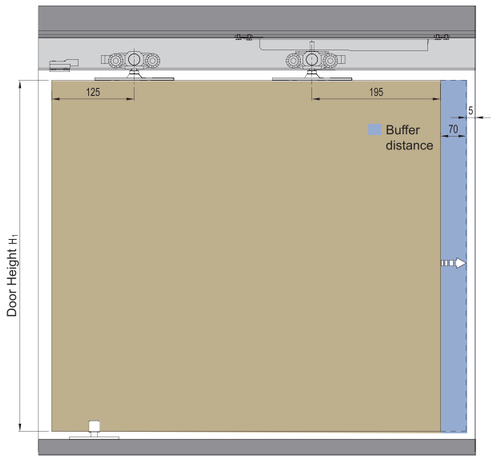

Anti-sway Block



TLG330



TLG332



1.Installation on the top of the door :Door Height H1=Entrance height H2-75-10(bottom crevice of the door)
2.Installation in the side of the door:Door Height H1=Entrance height H2+19-10(bottom crevice of the door)

Buffered Glass Sliding door

ZDM100 Series Sliding and Folding Glass Door System in Hinge Style

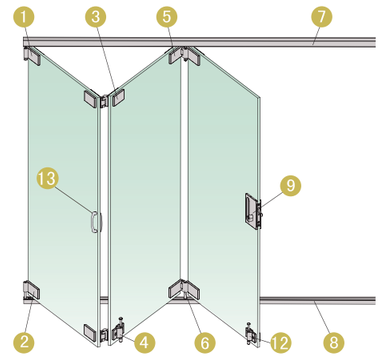




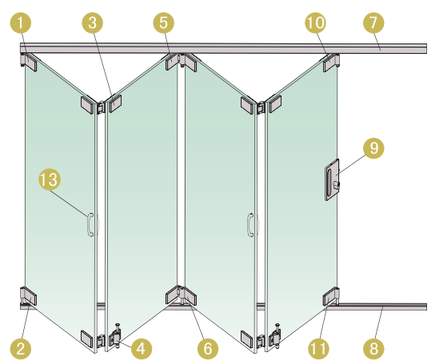


- Push the first sash, and all the door sashes are folded to the same side;Push the first door and all the door sashes are stretched to the same grade
- Convenient installation and smooth operation, bring you to a changeful room; Breaking room restriction, easily expanding the limited space
- Effectively improve the permeability of exit and entrance, maximally saving indoor space after being folded, also better than translation door and side-hung door
- Applied to highly population,vision and brightness public space, such as shopping mall, store, product showcase
- Meeting the requirements of many kinds of single or double opening door sash in folding style
- Applied glass thickness: 10-12mm, Maximum door sash size:2400*900mm, Recommend door sash bearing: 70kg.
- Using aluminum alloy material ,Silver white sandblasting oxidation finish

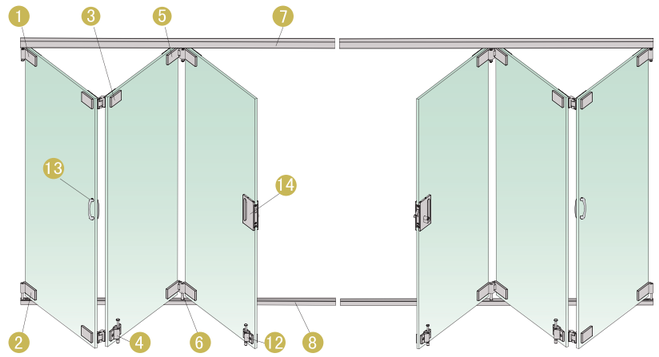
Single Sash and One Way Folding



Double Sashes and One Way Folding



Double Sashes and Two Ways Folding




1 Upper Fixing Clamp


2 Bottom Fixing Clamp


3 Folding Hinge


4 Folding Hinge with Latch


5 Folding Hinge with Roller


6 Folding Hinge with Bottom Position


7 Guide Rail ZDM09


8 Bottom Guide Track


9 Sliding door lock YMS31


10 Glass Clamp with Roller


11 Glass Clamp with with Bottom Position


12 Foot Latch


13 Handle(Select)


14 Sliding door lock YMS32

Serial number meaning annotation

ZDM 100 04 D

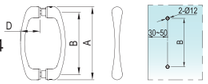
- D — Folding Style(D stands for one way, S stands for two ways)
- 04 — Folding Door Quantity
- 100 — Series Code No.
- ZDM — Name Code No.

●Please follow the configuration Item code to purchase, It contains the whole sliding door system accessories, 7 Guide Rail,8 Bottom Guide Track, 13 Need purchase handle



ZDM12 Handle

Technical Parameter
Main Material: Stainless steel 304
Finish: Stain or Mirror
Installation Screw: M6

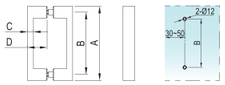


Code	A(mm)	B(mm)	C(mm)	D(mm)
ZDM12	125	105	--	30



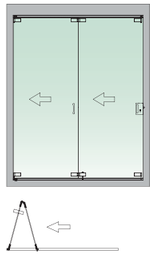
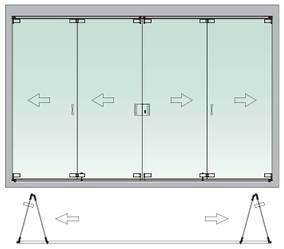
ZDM13 Handle

Technical Parameter
Main Material: Stainless steel 304
Finish: Stain or Mirror
Installation Screw: M6

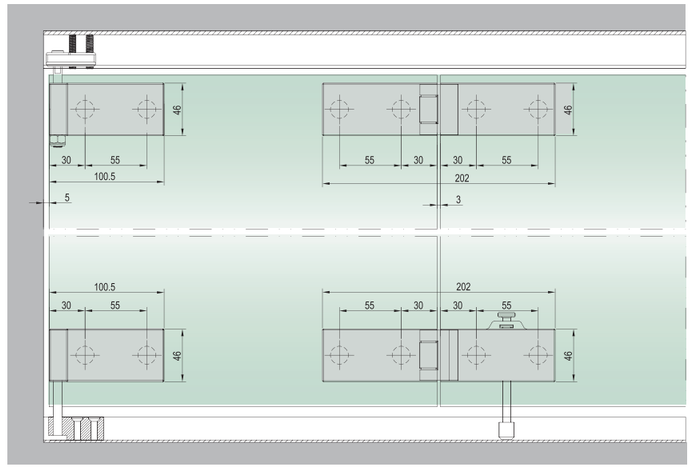


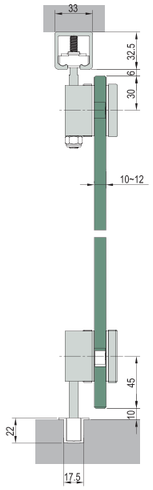
Code	A(mm)	B(mm)	C(mm)	D(mm)
ZDM13	125	105	10*20	33

Typical Configuration Diagram

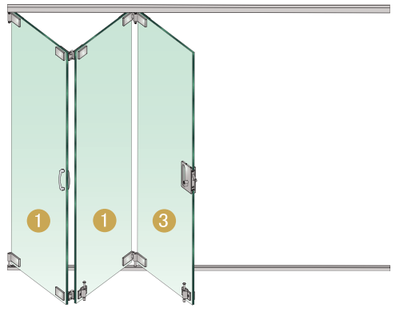
Typical Diagram	Name	Code	Diagram
	2 sashes one way folding	ZDM10002D	Handle installation position diagram 
	3 sashes one way folding	ZDM10003D	
	4 sashes one way folding	ZDM10004D	
	5 sashes one way folding	ZDM10005D	
	4 sashes two ways folding	ZDM10004S	
	6 sashes two ways folding	ZDM10006S	
	8 sashes two ways folding	ZDM10008S	

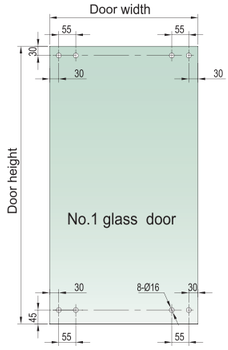
Installation Diagram

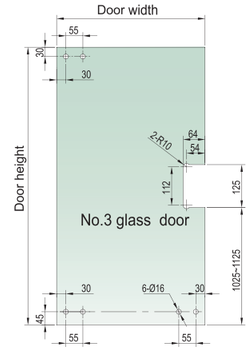




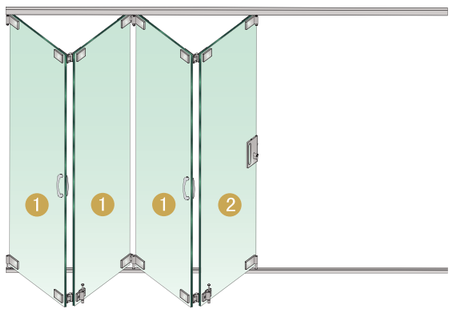
Single sash one way and two ways folding opening hole diagram

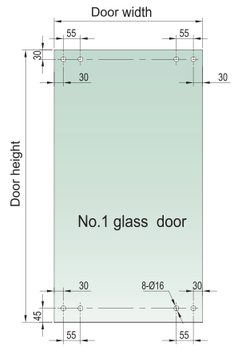


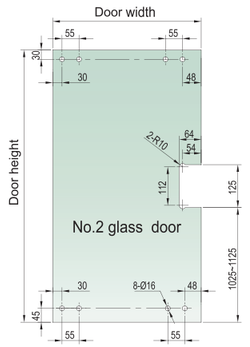




Double sashes one way and two ways folding opening hole diagram







●Different handle have different handle opening hole

W = Glass width L = Entrance width n = Sash quantity

W = { L - 3 * （n-1） - 2*5 } / n

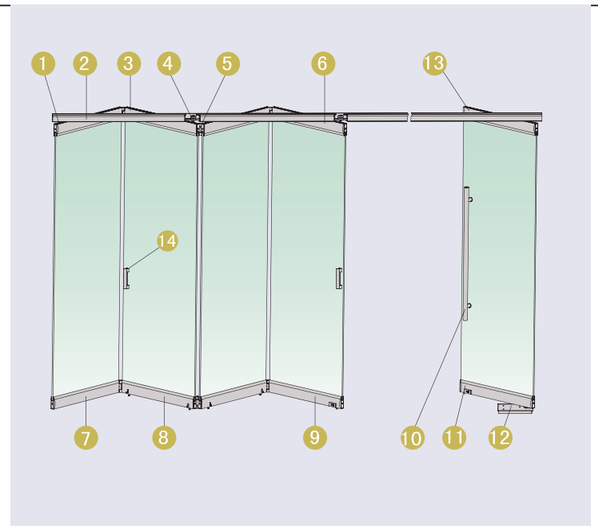
Sliding and Folding Glass Door System

ZDM201 Series Side Hung Sliding and Folding Glass Door Drive System with Long Patch Fitting



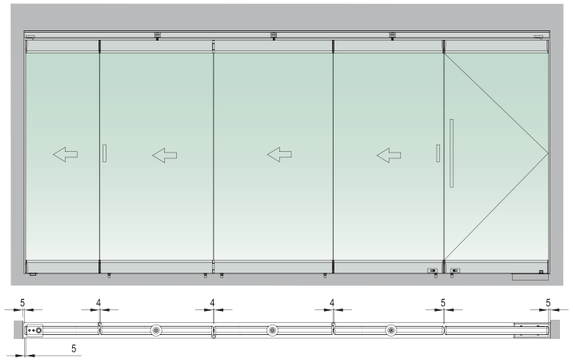
- Push the first sash, and all the door sashes are folded to the same side;Push the first door and all the door sashes are stretched to the same grade.
- Using all Direction Rollers design, push and move light and smooth, bring you to a changeful room; Breaking room restriction, easily expanding the limited space
- Effectively improve the permeability of exit and entrance, maximally saving indoor space after being folded, also better than translation door and side-hung door
- Upper, bottom has brush,with good tightness and sound insulation
- Applied to highly population, vision and brightness public space, such as shopping mall, store, product showcase
- Meeting the requirements of many kinds of single or double opening door sash in folding style.
- Applied glass thickness: 10-12mm, Maximum door sash size:2800*900mm, Recommend door sash bearing: 80kg
- Using aluminum alloy material ,Silver white sandblasting oxidation finish
- Do not need open glass hole

One Way Folding + Side-Hung Configuration

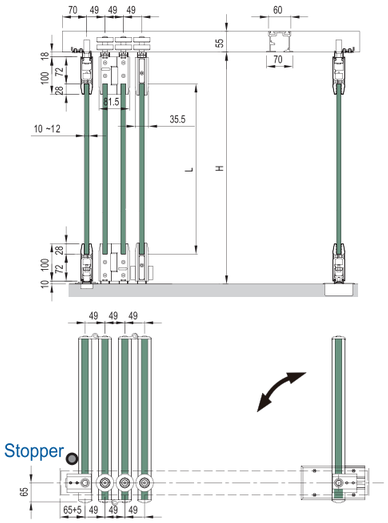


NO.	Accessory Name	Code
①	Mounting	ZDM28
②	Guide Rail	HGD10-01
③	Upper Patch Fitting in the Middle	ZDM23
④	All Direction Rollers Fittings	ZDM21
⑤	Connecting Hinge	ZDM24
⑥	Upper Patch Fitting on the Edge	ZDM22
⑦	Bottom Patch Fitting on the Edge	ZDM25
⑧	Bottom Patch Fitting in the Middle	ZDM26
⑨	Bottom Patch Fitting with Lock	ZDM27
⑩	Handle	Select
⑪	Bottom Patch Fitting with Side-hung and Lock	ZDM29
⑫	Floor Hinge	Select
⑬	Upper Patch Fitting with Side-hung	ZDM30
⑭	Handle(Select)	ZDM13

Installation Diagram



L = Glass door sash height
H =The height between guide rail and floor
L = H - 2*72 - 18(Upper space) - 8(Bottom space)



Door Stopper

Serial number meaning annotation

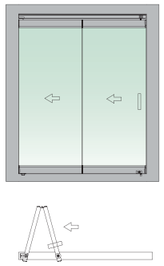
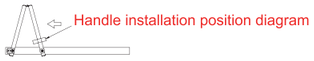
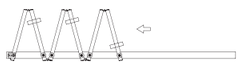
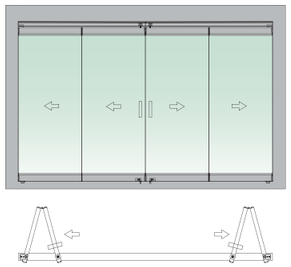
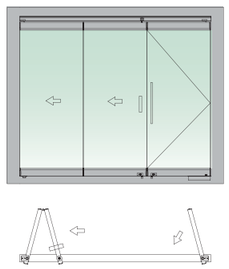
ZDM 20 1 04 D 1 A

- A — Door Sash Width
- 1 — Side-hung Door Quantity(No side-hung door, no code number.)
- D — Folding Style(D stands for one way, S stands for two ways)
- 04 — Folding Door Quantity
- 1 — Installation Method(1 stands for side-hung, 2 stands for central-hung.)
- 20 — Series Code No.
- ZDM — Name Code No.

•Please follow the configuration code number to purchase, It contains the whole sliding door system accessories, 3 Guide Rail,12 floor hinge, 14 Need purchase handle

•Structurally limited, side-hung folding sash must be even number

Typical Configuration Diagram

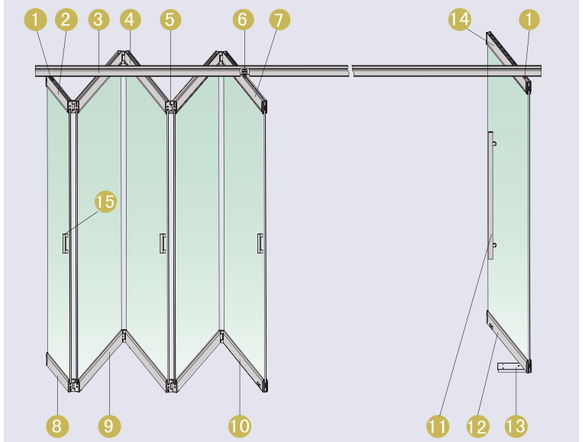
Typical Diagram	Name	Code	Diagram
One Way Folding 	2 sashes one way folding	ZDM20102D	
	4 sashes one way folding	ZDM20104D	
	6 sashes one way folding	ZDM20106D	
Two Ways Folding 	4 sashes two ways folding	ZDM20104S	
	6 sashes two ways folding	ZDM20106S	
One Way Folding+1Sash Side-hung 	2 sashes folding+ 1sash side-hung	ZDM20102D1	
	4 sashes folding+ 1sash side-hung	ZDM20104D1	
	6 sashes folding+ 1sash side-hung	ZDM20106D1	

ZDM202 Middle Hung Sliding and Folding Glass Door Drive System with Long Patch Fitting



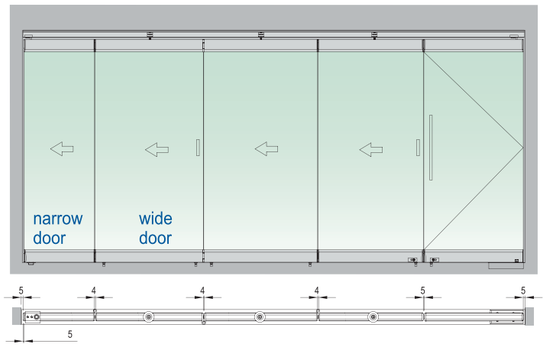
- Push the first sash, and all the door sashes are folded to the same side;Push the first door and all the door sashes are stretched to the same grade
- Using all Direction Rollers design, push and move light and smooth, bring you to a changeful room; Breaking room restriction, easily expanding the limited space
- Effectively improve the permeability of exit and entrance, maximally saving indoor space after being folded, also better than translation door and side-hung door
- Upper, bottom has brush,with good tightness and sound insulation
- Applied to highly population, vision and brightness public space, such as shopping mall, store, product showcase
- Meeting the requirements of many kinds of single or double opening door sash in folding style
- Applied glass thickness: 10-12mm, Maximum door sash size:2800*1000mm, Recommend door sash bearing: 80kg
- Using aluminum alloy material,Silver white sandblasting oxidation finish
- Do not need opening glass hole

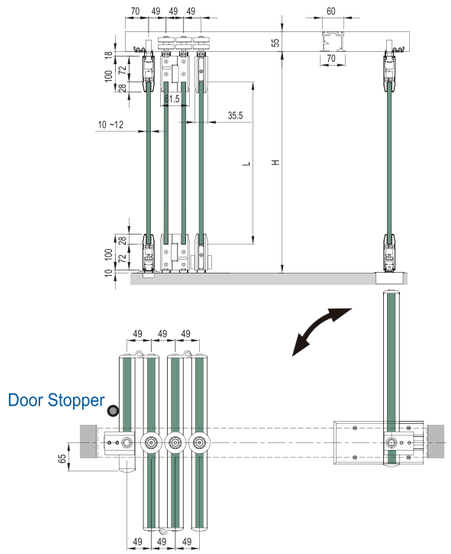
One Way Folding + Side-Hung Configuration



No.	Accessory Name	Code
①	Mounting	ZDM28
②	Upper Patch Fitting of the Narrow Door	ZDM31
③	Guide Rail	HGD10-01
④	Upper Patch Fitting in the Middle	ZDM23
⑤	Connecting Hinge	ZDM24
⑥	All Direction Rollers Fittings	ZDM21
⑦	Upper Patch Fitting on the Edge	ZDM22
⑧	Bottom Patch Fitting on the Edge	ZDM32
⑨	Bottom Patch Fitting of the Narrow Door	ZDM26
⑩	Bottom Patch Fitting with Lock	ZDM27
⑪	Handle	Select
⑫	Bottom Patch Fitting with Side-hung and Lock	ZDM29
⑬	Floor Hinge	Select
⑭	Upper Patch Fitting with Side-hung	ZDM30
⑮	Handle(Select)	ZDM13

Installation Diagram

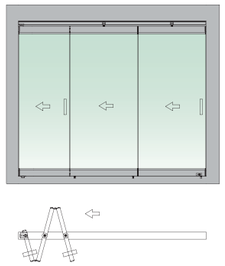
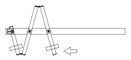
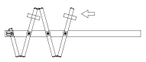
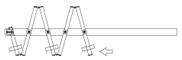
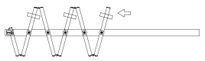
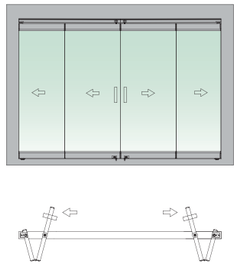
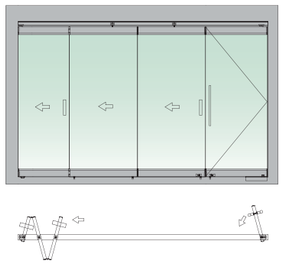
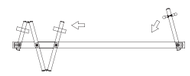
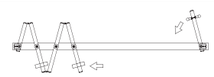
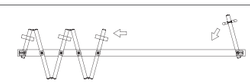
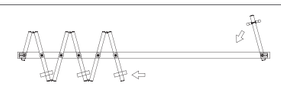




L = Glass door sash height
H = The height between guide rail and floor
W = Wide door sash width

F = Narrow door sash width
L = H-2*72-18(Upper space)-10Bottom space)
F = W/2+65

Typical Configuration Diagram

Typical Diagram	Name	Code	Diagram
One Way Folding 	2 sashes one way folding	ZDM20202D	Handle installation position diagram 
	3 sashes one way folding	ZDM20203D	
	4 sashes one way folding	ZDM20204D	
	5 sashes one way folding	ZDM20205D	
	6 sashes one way folding	ZDM20206D	
Two Ways Folding 	4 sashes two ways folding	ZDM20204S	
	6 sashes two ways folding	ZDM20206S	
	8 sashes two ways folding	ZDM20208S	
	10 sashes two ways folding	ZDM20210S	
	12 sashes two ways folding	ZDM20212S	
One Way Folding+1Sash Side-hung 	2 sashes folding+ 1sash side-hung	ZDM20202D1	
	3 sashes folding+ 1sash side-hung	ZDM20203D1	
	4 sashes folding+ 1sash side-hung	ZDM20204D1	
	5 sashes folding+ 1sash side-hung	ZDM20205D1	
	6 sashes folding+ 1sash side-hung	ZDM20206D1	

●Please follow the configuration Item code to purchase, It contains the whole sliding door system accessories, 3 Guide Rail,11 handle,13 floor hinge, 15 Need purchase handle

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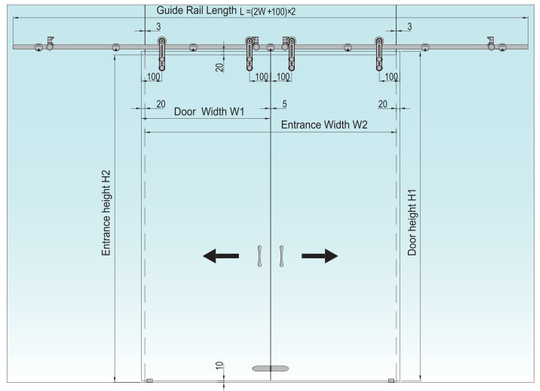
TL600 Series Bracket Sliding Door





L=2*(2W1+100)　W1=(W2+35)/2　H1=H2+10


TL601 Sliding Door Bracket


TL914 Position Block


TL112 Rail Connecting Block


TL103 Rail Connecting Block


TL117 Guide Rail


ZDM13 Handle


TL617Sliding Handle


TL115 Guide Track

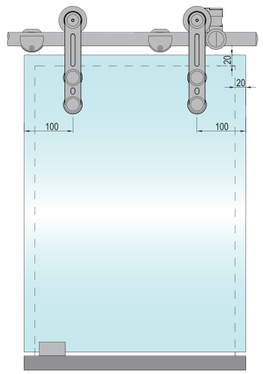

BS301 Glass Door Lock

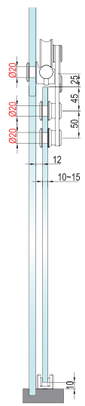

YMS31 Sliding door lock

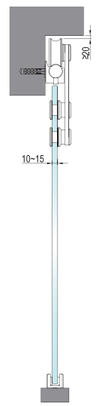

YMS32 Sliding door lock


TL106 Position Block

- Recommend load：100kg, Applied glass thickness:10-15mm
- Door height≤2500mm, Door width≤1000mm
- Applied in single sash glass door, double sashes glass door.
- Finish:Mirror or stain
- Up and down adjustment:5mm
- Double door installs strip, improving the tightness of door sash, please refer to Bathroom Hardware Catalogue

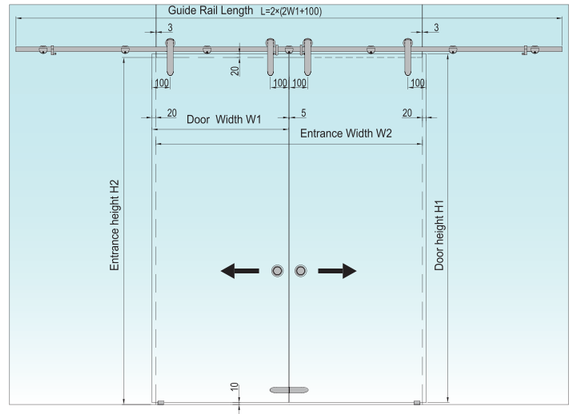






TL700 Series Bracket Sliding Door





L=2∗(2W1+100)　W1=(W2+35)/2　H1=H2+10



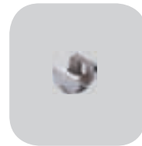
TL701 Sliding Door Bracket



TL714 Position Block



TL112 Rail Connecting Block



TL103 Rail Connecting Block



TL117 Guide Rail



ZDM12 Handle



TL614Sliding Handle



TL115 Guide Track



BS201 Glass Door Lock



YMS31 Sliding door lock

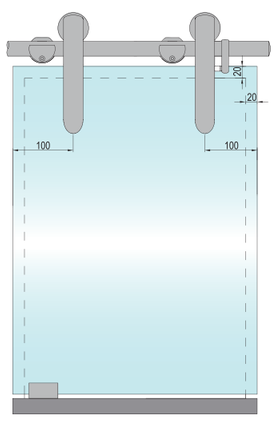


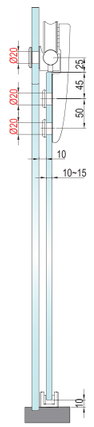
YMS32 Sliding door lock

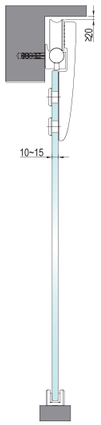


TL106 Position Block

- Recommend load：100kg, Applied glass thickness:10-15mm
- Door height≤2500mm, Door width≤1000mm
- Applied in single sash glass door, double sashes glass door.
- Finish:Mirror or stain
- Up and down adjustment:5mm
- Double door installs strip, improving the tightness of door sash, please refer to Bathroom Hardware Catalogue

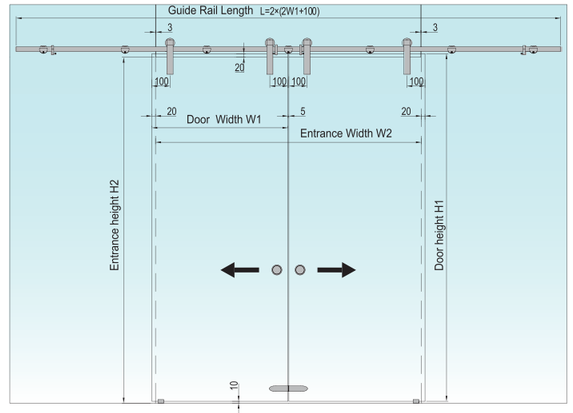






TL800 Series Bracket Sliding Door





L=2*(2W1+100) W1=(W2+35)/2 H1=H2+10


TL801 Sliding Door Bracket


TL814 Position Block


TL112 Rail Connecting Block


TL103 Rail Connecting Block


TL117 Guide Rail


ZDM13 Handle


TL615 Sliding Handle


TL115 Guide Track

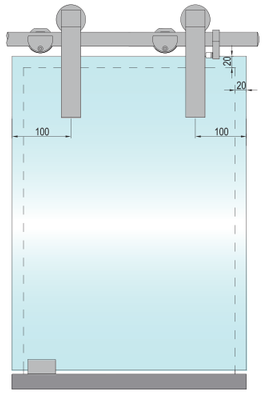

BS301 Glass Door Lock

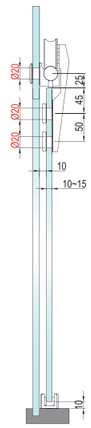

YMS31 Sliding door lock

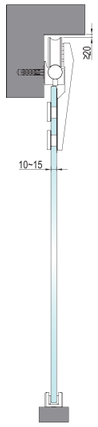

YMS32 Sliding door lock


TL106 Position Block

- Recommend load：100kg, Applied glass thickness:10-15mm
- Door height≤2500mm, Door width≤1000mm
- Applied in single sash glass door, double sashes glass door.
- Finish:Mirror or stain
- Up and down adjustment:5mm
- Double door installs strip, improving the tightness of door sash, please refer to Bathroom Hardware Catalogue



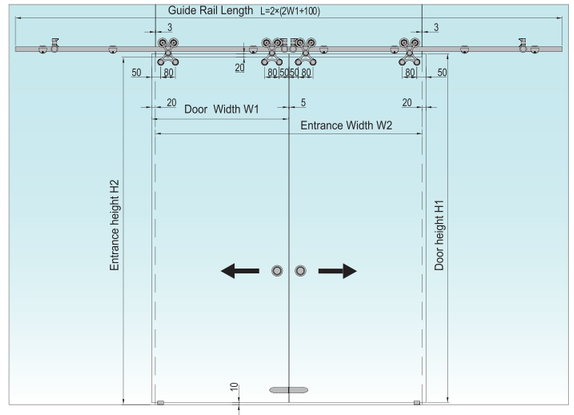




Bracket Sliding Door

TL900 Series Bracket Sliding Door





L=2*(2W1+100) W1=(W2+35)/2 H1=H2+10


TL901 Sliding Door Bracket


TL914 Position Block


TL112 Rail Connecting Block


TL103 Rail Connecting Block


TL117 Guide Rail


ZDM13 Handle


TL616 Sliding Handle


TL115 Guide Track

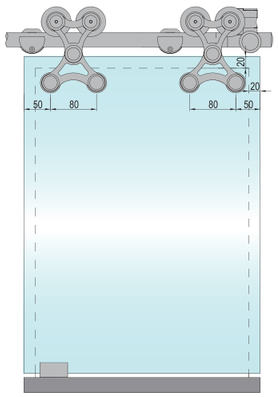

BS201 Glass Door Lock

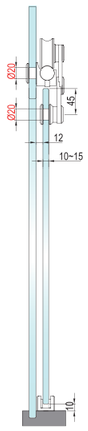

YMS31 Sliding door lock


YMS32 Sliding door lock


TL106 Position Block

- Recommend load：120kg, Applied glass thickness:10-15mm
- Door height≤2500mm, Door width≤1000mm
- Applied in single sash glass door, double sashes glass door.
- Finish:Mirror or stain
- Up and down adjustment:5mm
- Double door installs strip, improving the tightness of door sash, please refer to Bathroom Hardware Catalogue

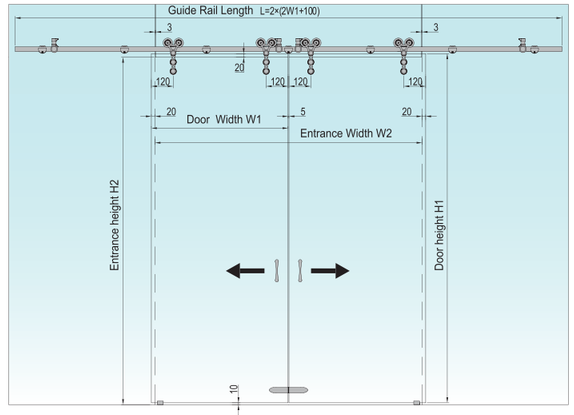






TL900 Series Bracket Sliding Door



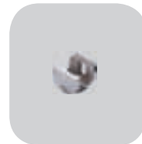


L=2*(2W1+100) W1=(W2+35)/2 H1=H2+10


TL902 Sliding Door Bracket


TL914 Position Block


TL112 Rail Connecting Block


TL103 Rail Connecting Block


TL117 Guide Rail


ZDM12 Handle


TL616 Sliding Handle


TL115 Guide Track

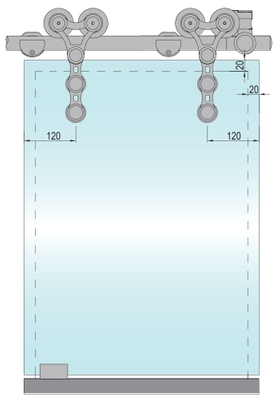

BS301 Glass Door Lock

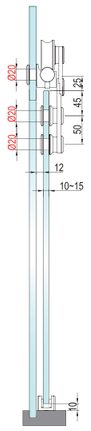

YMS31 Sliding door lock

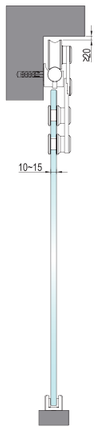

YMS32 Sliding door lock


TL106 Position Block

- Recommend load：120kg, Applied glass thickness:10-15mm
- Door height≤2500mm, Door width≤1000mm
- Applied in single sash glass door, double sashes glass door.
- Finish:Mirror or stain
- Up and down adjustment:5mm
- Double door installs strip, improving the tightness of door sash, please refer to Bathroom Hardware Catalogue

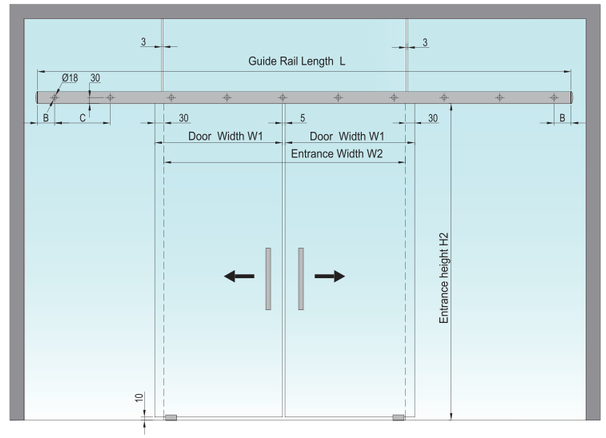


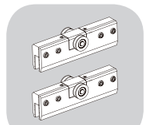




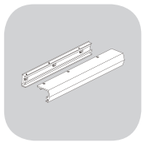
TLG210 Sliding Door







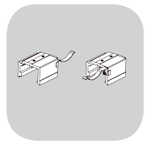
Pulley



Guide Rail



Guide Track



Buffer

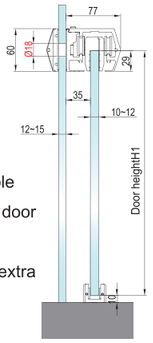


Handle

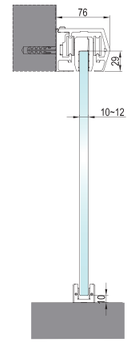
Standard Guide Rail Length L	Single-open Door (Door Sash Width)	Double-open Door (Door Sash Width)	Single-open Door (Afford weight)	Double-open Door (Afford weight)	B	C
1600mm	600～800mm	--	80	80*2	30	4*385
2400mm	800～1200mm	600mm	80	80*2	30	6*390
3200mm	--	600～800mm	80	80*2	40	8*390
4000mm	--	800～1000mm	80	80*2	50	10*390

- Double door sash guide rail standard length L=2*(2W1+100)
- Glass width W1=(W2+55)/2
- Glass height H=H2+20
- Follow standard length to purchase
- Actual length is different from standard length, follow proximity principle
- When actual length is bigger than standard length,just influence the door sash opening space
- When actual length is smaller than standard length, please cut the extra part at present

Glass Part Installation



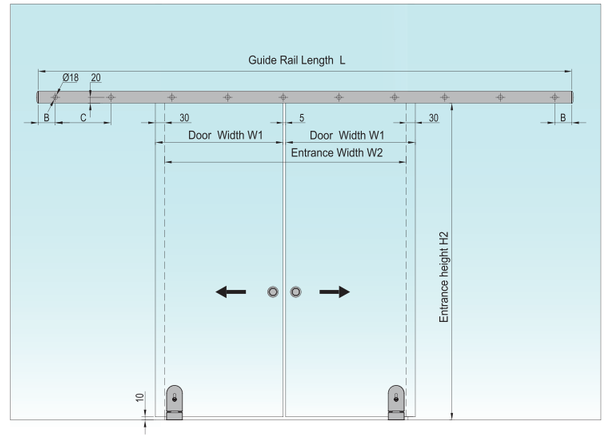
Wall Part Installation

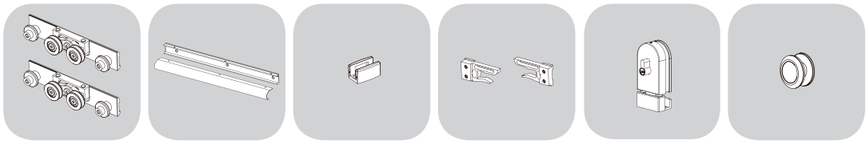


Hiding Style Sliding Door

TLG211推拉门



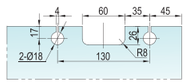




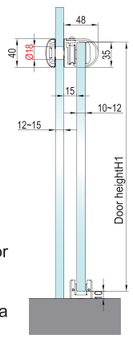
Pulley Guide Rail Guide Track Buffer Door Lock Handle

Standard Guide Rail Length L	Single-open Door (Door Sash Width)	Double-open Door (Door Sash Width)	Single-open Door (Afford weight)	Double-open Door (Afford weight)	B	C
1600mm	600～800mm	--	80	80*2	30	4*385
2400mm	800～1200mm	600mm	80	80*2	30	6*390
3200mm	--	600～800mm	80	80*2	40	8*390
4000mm	--	800～1000mm	80	80*2	50	10*390

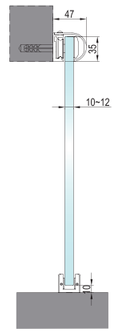
Pulley Opening Hole



Glass Part Installation



WallPart Installation

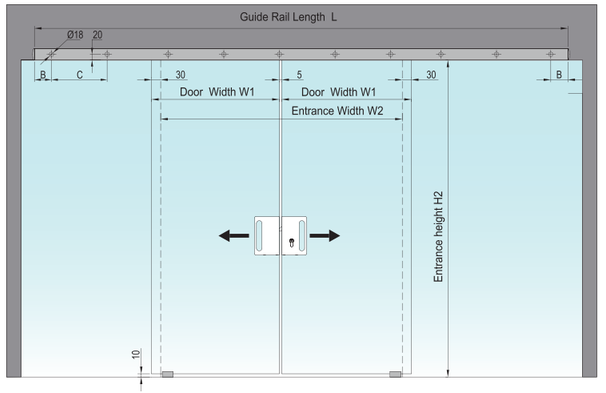


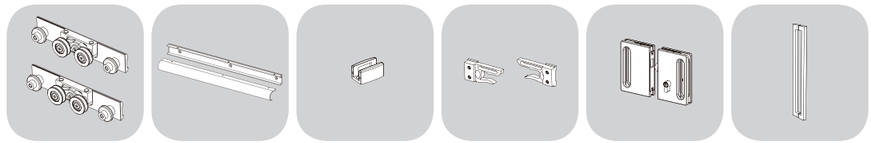
- Double door sash guide rail standard length L=2*(2W1+100)
- Glass width W1=(W2+55)/2
- Glass height H=H2+25
- Follow standard length to purchase
- Actual length is different from standard length, follow proximity principle
- When actual length is bigger than standard length,just influence the door sash opening space
- When actual length is smaller than standard length, please cut the extra part at present

Hiding Style Sliding Door

TLG212推拉门



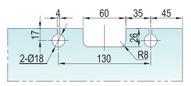




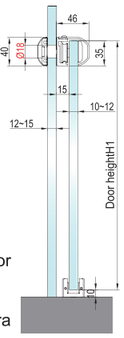
Pulley Guide Rail Guide Track Buffer Door Lock Handle

Standard Guide Rail Length L	Single-open Door (Door Sash Width)	Double-open Door (Door Sash Width)	Single-open Door (Afford weight)	Double-open Door (Afford weight)	B	C
1600mm	600～800mm	--	80	80*2	30	4*385
2400mm	800～1200mm	600mm	80	80*2	30	6*390
3200mm	--	600～800mm	80	80*2	40	8*390
4000mm	--	800～1000mm	80	80*2	50	10*390

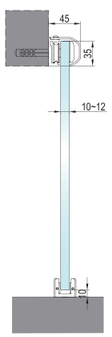
Pulley Opening Hole



Glass Part Installation



WallPart Installation



- Double door sash guide rail standard length L=2*(2W1+100)
- Glass width W1=(W2+55)/2
- Glass height H=H2+25
- Follow standard length to purchase
- Actual length is different from standard length, follow proximity principle
- When actual length is bigger than standard length,just influence the door sash opening space
- When actual length is smaller than standard length, please cut the extra part at present

Hiding Style Sliding Door



TLG114 Pulley

Afford weight≤80kg
Unique inserted structure
Applied in wooden door, framed door
Suitable hanging rail TLG121



TLG118 Pulley

Afford weight≤120kg
Unique inserted structure
Applied in wooden door, framed door
Suitable hanging rail TLG121



TLG144 Pulley

Afford weight≤150kg
Unique Flexible connection structure
Applied in wooden door, framed door
Suitable hanging rail TLG140



TLG164 Pulley

Afford weight≤350kg
Unique Flexible connection structure
Applied in wooden door, framed door
Suitable hanging rail TLG130



TLG124 Pulley

Afford weight≤80kg
Applied in glass door
Glass thickness10-12mm
Suitable hanging rail TLG121



TLG128 Pulley

Afford weight≤120kg
Applied in glass door
Glass thickness10-12mm
Suitable hanging rail TLG121



TLG154 Pulley

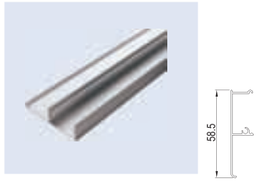
Afford weight≤150kg
Unique Flexible connection structure
Applied in glass door,glass thickness10-12mm
Suitable hanging rail TLG140



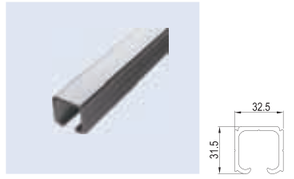
TLG174A Pulley

Afford weight≤350kg
Unique Flexible connection structure
Applied in glass door,glass thickness15-20mm
Suitable hanging rail TLG130

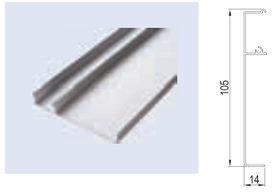
TLG105 Wooden Door Decoration Panel



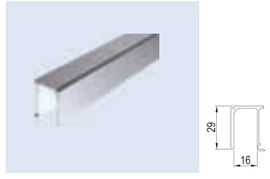
TLG121 Hanging Rail



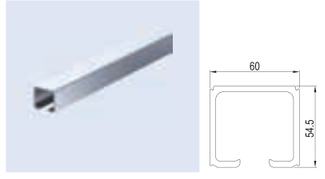
TLG122 GlassDoor Decoration Panel



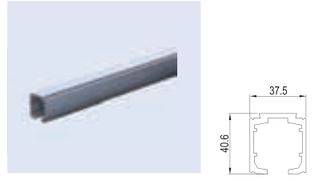
TLG123 Fix Clamp



TLG130 Hanging Rail



TLG140 Hanging Rail

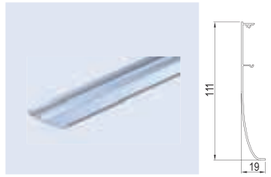


TLG145 Glass Door Decoration Panel

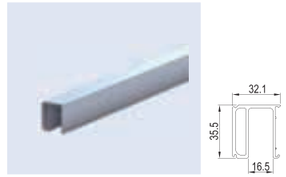
TLG165 Wooden Door Decoration Panel

TLG315 Hanging Rail

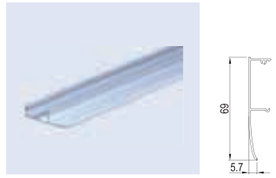
TLG316 Glass Door Decoration Panel



TLG317 Fix Clamp

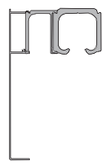


TLG318 Wooden Door Decoration Panel

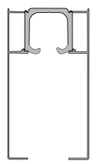


Using aluminum alloy material,Silver white sandblasting oxidation finish，longest length 6m

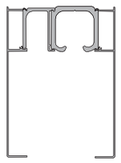
Combination Form



Single Side Decoration Panel/With Fixed Glass



Double Sides Decoration Panel/No Fixed Glass



Double Sides Decoration Panel/With Fixed Glass



Special Use for Fixed Glass



Hanging Rail



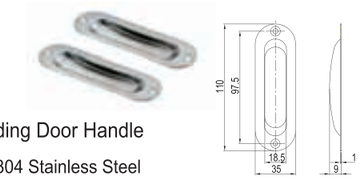
TLG184 Pulley

Afford weight≤150kg
Unique Flexible connection structure
Applied in wooden door, framed door
Suitable hanging rail TLG315



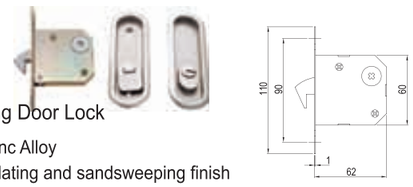
TLG204 Pulley

Afford weight≤150kg
Unique Flexible connection structure
Applied in glass door
Glass thickness10-12mm
Suitable hanging rail TLG315



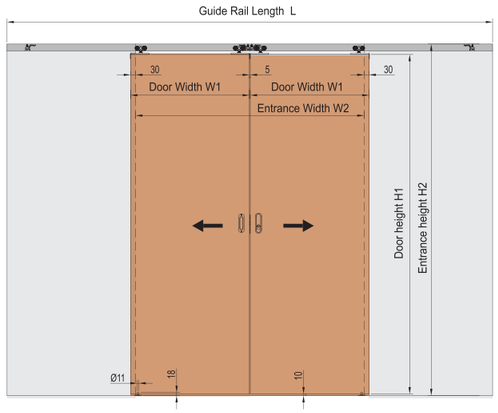
TLG102 Sliding Door Handle

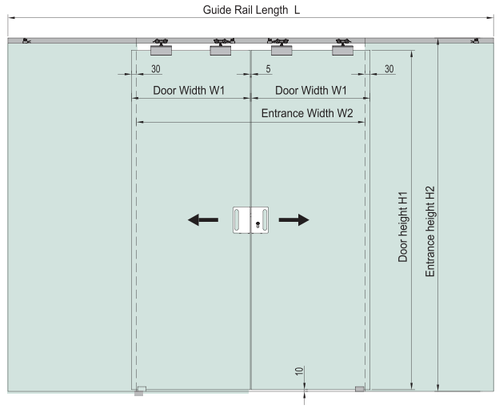
Main Material:304 Stainless Steel
Surface nickel plating and sand sweeping finish



YMS11 Sliding Door Lock

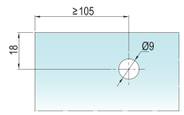
Main Material:Zinc Alloy
Surface nickel plating and sandsweeping finish



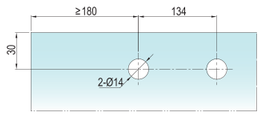




Pulley TLG114/TLG118/TLG144/TLG164/TLG184
Stop Swing Device Opening Hole Diagram



Pulley TLG124/TLG128/TLG154
Opening Hole Diagram



Pulley TLG174A Opening Hole
Diagram

Glass Door Size References

Code	Hanging Rail	Guide Rail Length	Door Sash Height
TLG114	TLG121	2*（2W1+100）	h=H-60
TLG118			
TLG144	TLG140		h=H-65
TLG164	TLG130		h=H-80
TLG184	TLG315		h=H-65

Code	Hanging Rail	Guide Rail Length	Door Sash Height
TLG124	TLG121	2*（2W1+100）	h=H-80
TLG128			
TLG154	TLG129		h=H-90
TLG174A	TLG130		h=H-120
TLG204	TLG315		h=H-85

Configuation detail list

Door Type	Door Quantity	loading	Name/Quantity											
			Pulley		Hanging Rail		Sliding Door Handle/Sliding Handle/ Sliding Door Lock				Decoration panel(selective accessories）		Fix Clamp(selective accessories)	
Wooden Door Framed Door	Single Sash	80KG	TLG114	1Set	TLG121	1Set	TLG102	1Set	YMS11	1Set	TLG105	2 Sticks	TLG123	1 Stick
	Double Sashes	80KG	TLG114	2Set	TLG121	1Set	TLG102	1Set	YMS11	1Set	TLG105	2 Sticks	TLG123	1 Stick
	Single Sash	120KG	TLG118	1Set	TLG121	1 Stick	TLG102	1Set	YMS11	1Set	TLG105	2 Sticks	TLG123	1 Stick
	Double Sashes	120KG	TLG118	2Set	TLG121	1 Stick	TLG102	1Set	YMS11	1Set	TLG105	2 Sticks	TLG123	1 Stick
	Single Sash	150KG	TLG144	1Set	TLG140	1 Stick	TLG102	1Set	YMS11	1Set	TLG145	2 Sticks	--	--
	Double Sashes	150KG	TLG144	2Sets	TLG140	1 Stick	TLG102	1Set	YMS11	1Set	TLG145	2 Sticks	--	--
	Single Sash	150KG	TLG184	1Set	TLG315	1 Stick	TLG102	1Set	YMS11	1Set	TLG318	2 Sticks	--	--
	Double Sashes	150KG	TLG184	2Sets	TLG315	1 Stick	TLG102	1Set	YMS11	1Set	TLG318	2 Sticks	--	--
	Single Sash	350KG	TLG164	1Set	TLG130	1 Stick	TLG102	1Set	YMS11	1Set	TLG165	2 Sticks	--	--
	Double Sashes	350KG	TLG164	2Sets	TLG130	1 Stick	TLG102	1Set	YMS11	1Set	TLG165	2 Sticks	--	--
Glass Door	Single Sash	80KG	TLG124	1Set	TLG121	1 Stick	TL614	1Set	YMS31	1Set	TLG122	2 Sticks	TLG123	1 Stick
	Double Sashes	80KG	TLG124	2Sets	TLG121	1 Stick	TL615	2Sets	YMS32	1Set	TLG122	2 Sticks	TLG123	1 Stick
	Single Sash	120KG	TLG128	1Set	TLG121	1 Stick	TL616	1Set	YMS31	1Set	TLG122	2 Sticks	TLG123	1 Stick
	Double Sashes	120KG	TLG128	2Sets	TLG121	1 Stick	TL617	2Sets	YMS32	1Set	TLG122	2 Sticks	TLG123	1 Stick
	Single Sash	150KG	TLG154	1Set	TLG140	1 Stick	TL618	1Set	YMS31	1Set	TLG145	2 Sticks	--	--
	Double Sashes	150KG	TLG154	2Sets	TLG140	1 Stick	TL614	2Sets	YMS32	1Set	TLG145	2 Sticks	--	--
	Single Sash	150KG	TLG204	1Set	TLG315	1 Stick	TL615	1Set	YMS31	1Set	TLG316	2 Sticks	--	--
	Double Sashes	150KG	TLG204	2Sets	TLG315	1 Stick	TL616	2Sets	YMS32	1Set	TLG316	2 Sticks	--	--
	Single Sash	350KG	TLG174A	1Set	TLG130	1 Stick	TL617	1Set	YMS31	1Set	TLG165	2 Sticks	--	--
	Double Sashes	350KG	TLG174A	2Sets	TLG130	1 Stick	TL618	2Sets	YMS32	1Set	TLG165	2 Sticks	--	--

Note: Choose one of Sliding Door Handles,Sliding Door Locks

ZD102 Automatic Door Drive System Safety

◆Safety

Dependable microwave sensor,high performance motor,safety light switch, provide more reliable security guarantee.
Qualified with CE, accord with international quality standard

◆Multi-function

Multi-function extend module leads available to sensor, safety light, spare battery, key lock, access, cable function switch, mutual lock of double-leaf door, fire alarm and building intercom

◆High-performance

Advanced brushless DC motor, intelligentized HALL software, to come true self learning capability of automatic correction by micro-computer.
Precise the differences of door sash weight and movement inpedance to ensure steady motion

☆Notes

Automatic door standard configuration applied for wooden door, framed door; when using in glass door must purchase short patch and long patch.

When order,please marking guide rail standard length 2100mm, 3000mm, 4200mm,6000mm(Standard products are two 3000mm sticks),and also marking standard belt length 3600mm, 4500mm,6600mm，9000mm.

When achieve a variety of functions, please select accessories.

When installing automatic door, need to keep check part, in order to maintenance.

When installing safety light switch, please avoid direct sunlight.

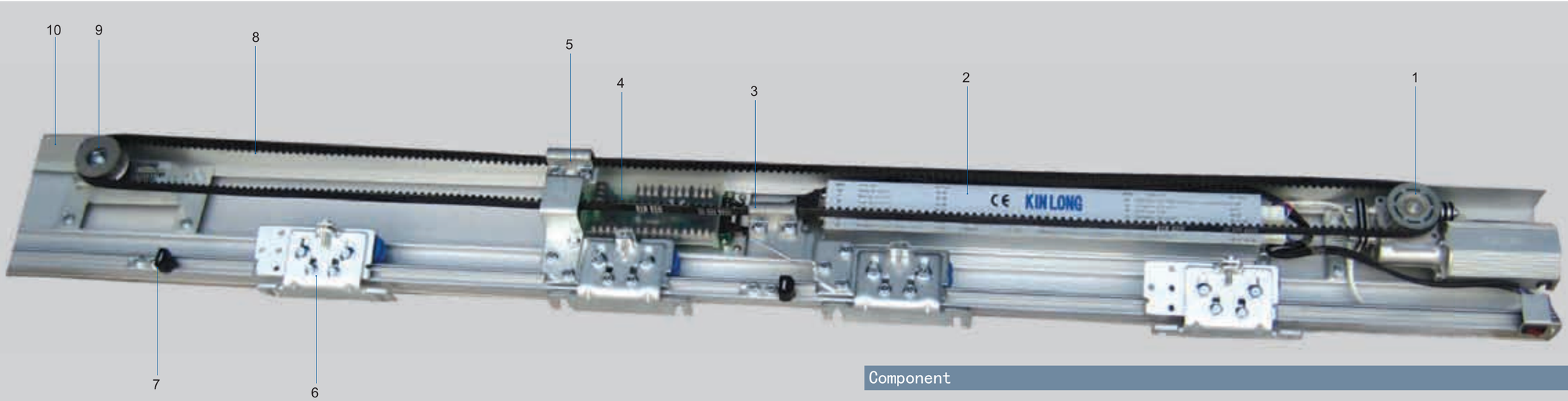
The speed, distance, time adjustable and other references of automatic door can directly use controller device

Door Sash Reference	
Single Sash Sliding Door	
— Net Open Width	700 ~ 1500mm
— Maximum Door Weight	160Kg*1
Double Sash Sliding Door	
— Net Open Width	650 ~ 1350mm
— Maximum Door Weight	150Kg*2

Anti Adding device（Multi Function Extension）	
Safety Light	●
Sensor 1(Indoor)	●
Sensor1(Outdoor)	●
Key Lock	○
Card Reader	○
Double Interlocking	○
Handset	○
Connecting to the Building System	○
Backup Power	○

●Standard Equipment ○Select Equipment

Technical References	
Motor	DC24V 75W(Brushless)
Drive Form	Gear , + Gear belt150S8M
Voltage	AC110V ~ 250V
Frequency	50 ~ 60Hz
Opening Speed	≤500mm/s
Closing Speed	≤350mm/s（Single Sash） ≤300mm/s（Double Sashes）
Amble Speed	30 ~ 100mm/s
Opening Time	0 ~ 9s(Adjustable)
Closing Force	≤250N
Hand Push Force	＜100N
Noise	≤60分贝
Working Environment Temperature	-10~+50℃
Switchboard Consumed Power	75W
Working Lifetime	＞500,000Cycles
Induction height	≤3000mm



Component			
1 Motor	2 Controller	3 Bottom Connecting Frame	
4 Extension Module	5 Upper Connecting Frame 6Cradle	6 Cradle	7 Door Stop Swing Device
8 High Strength Transmission Belt	9 Transmission Belt Tension Pulley	10 Guide Rail	

Automatic Door Drive System

ZD202 Automatic Door Drive System

◆Safety

Dependable microwave sensor,high performance motor,safety light switch, provide more reliable security guarantee.
Qualified with CE, accord with international quality standards.

◆High-performance

Advanced brushless DC motor, intelligentized HALL software, to come true self learning capability of automatic correction by micro-computer.
Precise the differences of door sash weight and movement inpedance to ensure steady motion.
Motor external use flexible rubber mounting, indoor use closed type design, in order to keep automatic door has stable operation.
Meet the high-speed operation of high frequency.
Cradle use anti derailment design,with no debugging function.

☆Notes

Automatic door standard configuration applied for wooden door, framed door; when using in glass door must purchase short patch and long patch.

When order,please marking guide rail standard length 2100mm, 3000mm, 4200mm,6000mm(Standard products are two 3000mm sticks),and also marking standard belt length 3600mm, 4500mm,6600mm，9000mm.

When achieve a variety of functions, please select accessories.

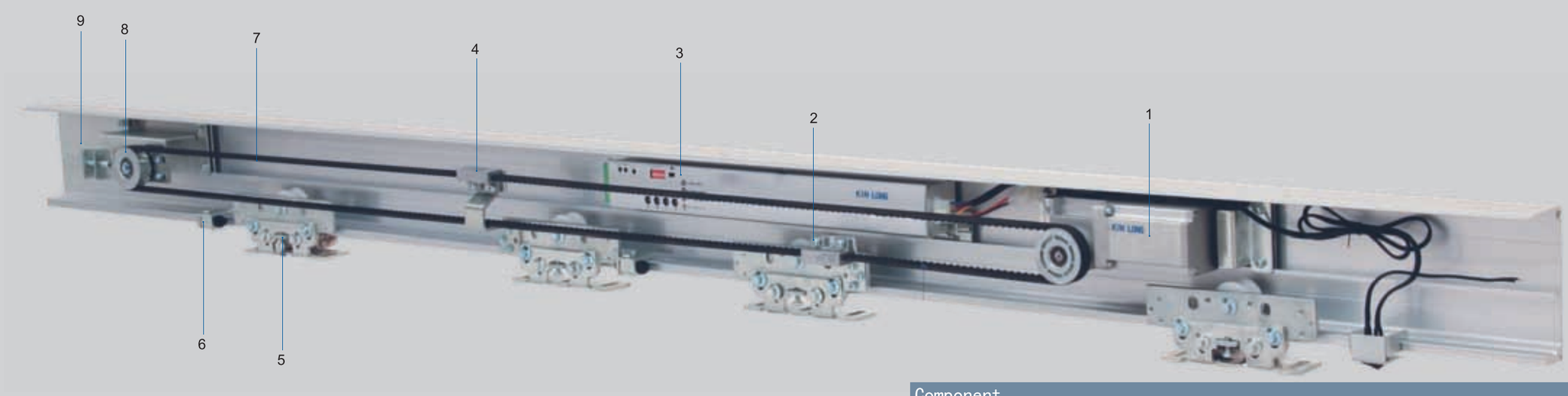
When installing automatic door, need to keep check part, in order to maintenance.

When installing safety light switch, please avoid direct sunlight.

The speed, distance, time adjustable and other references of automatic door can directly use controller device.

Door Sash Reference	
Single Sash Sliding Door	
— Net Open Width	700 ~ 1500mm
— Maximum Door Weight	120Kg*1
Double Sash Sliding Door	
— Net Open Width	650 ~ 1350mm
— Maximum Door Weight	120Kg*2

Technical References	
Motor	DC24V 75W(Brushless)
Drive Form	Gear , + Gear belt150S8M
Voltage	AC110V ~ 250V
Frequency	50 ~ 60Hz
Opening Speed	≤500mm/s
Closing Speed	≤350mm/s（Single Sash） ≤300mm/s（Double Sashes）
Amble Speed	30 ~ 100mm/s
Opening Time	0 ~ 9s(Adjustable)
Closing Force	≤250N
Hand Push Force	＜100N
Noise	≤60分贝
Working Environment Temperature	-20~+50℃
PSwitchboard Consumed Power	75W
Working Lifetime	＞500,000Cycles
Induction height	≤3200mm



Component		
1 Motor	2 Bottom Connecting Frame	3 Controller
4 Upper Connecting Frame 6Cradle	5 Cradle	6 Door Stop Swing Device
7 High Strength Transmission Belt	8 Transmission Belt Tension Pulley	9 Guide Rail

Automatic Door Drive System

Glass Door Accessories(Applied in Automatic Door ZD102/ZD202)



ZD1021 Long Patch

Applied Glass Thickness 10-12mm
Standard Length 1000mm
Afford weight≤160kg
Door sash do not need opening hole



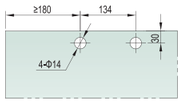
ZD1022 Short Patch

Applied Glass Thickness 10-12mm
Afford weight≤100kg
Door sash do not need opening hole



ZD1032 Short Patch

Applied Glass Thickness 15mm
Afford weight≤250kg



Additional Devices Selected Accessories(Applied in Automatic Door ZD102)

Only purchasing switch or handset



KG09 Switch

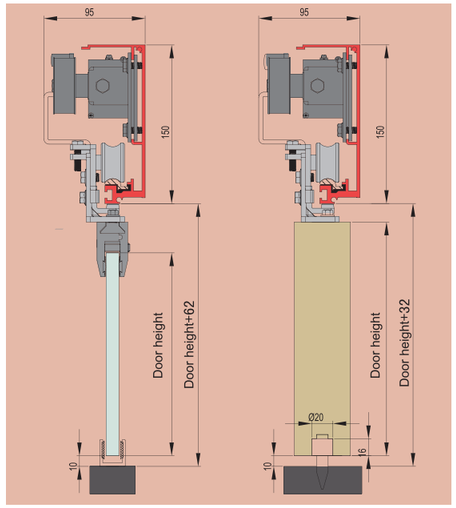
◆Main Material: ABS.
◆Special using for automatic door, with automatic, half opening, whole opening, lock door, single way functions.
◆Lock core, lock set by stable force, lock spring has long stretch.
◆Flexible key rotation,convenient function switch.
◆Appearance Size:90*90*8(Panel),86*86*40(Bottom-box)



YK04 Handset

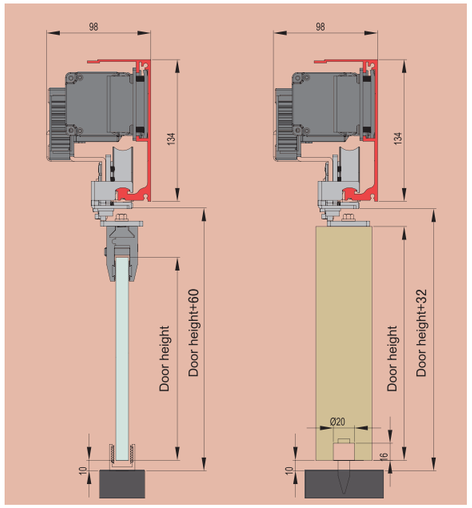
◆Composed by receiver and emitter.
◆Receiver has creamy white finish, emitter has stain-black finish.
◆Provided normally opening, half opening，whole lock functions.
◆Handset Distance≤15m
◆Match: Push docking key 3 seconds, until after pilot light brings light, at the same time push the locked key or unlocked key.
◆Relieve：Push docking key 8 seconds, until after pilot light extinguished.
◆Installation text must after finish installed automatic door.
◆Under any situation, once again after power blackout, the automatic door will come back to full lock state. state

ZD102 Sectional View



Applied in Glass Door | Applied in Wooden Door, Aluminum Door

ZD202Sectional View

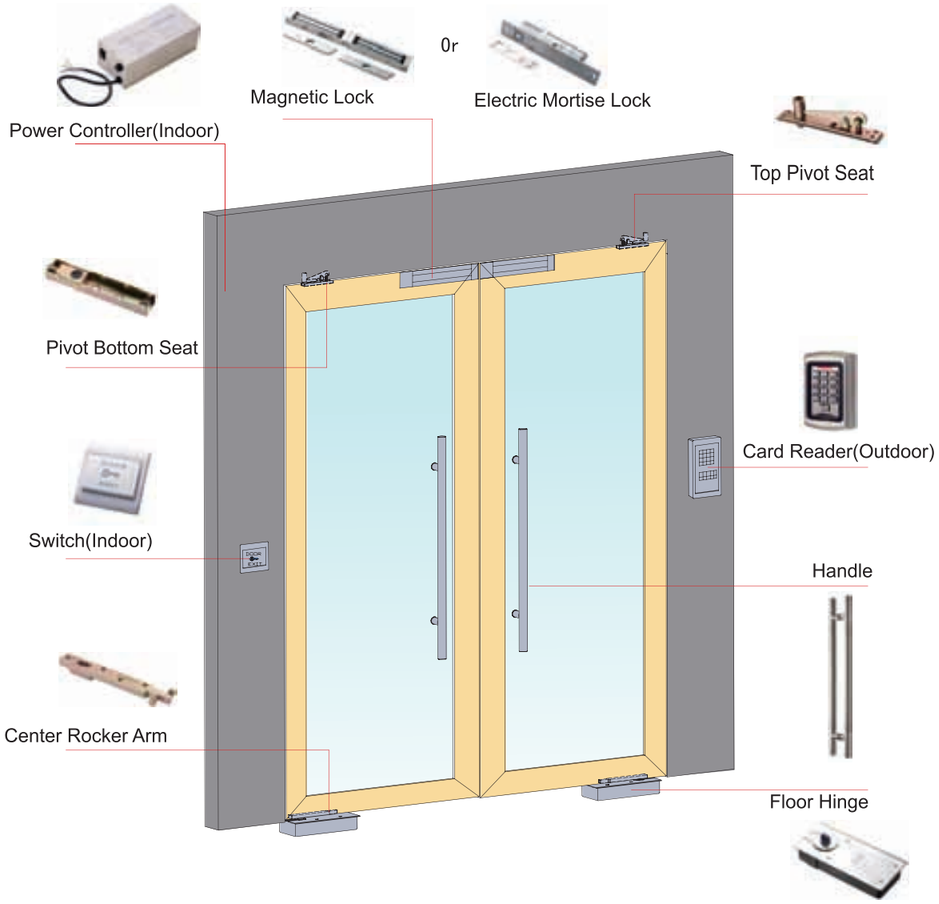


Applied in Glass Door | Applied in Wooden Door, Aluminum Door



Automatic Door Drive System

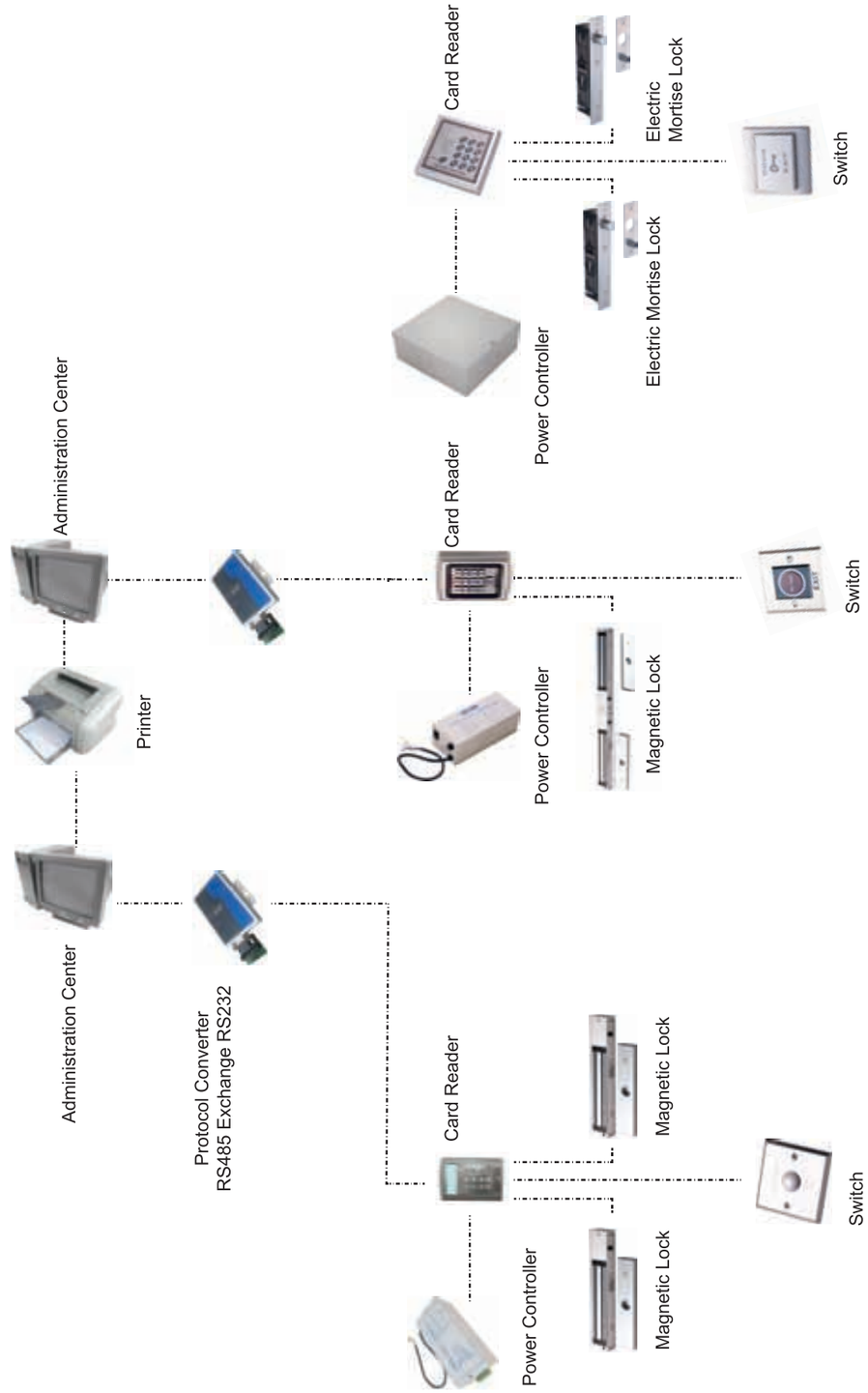
Electronic Access Control System



◆Qualified with CE, accord with international quality standards.

◆Humanized access control software，can be realized remote control, real time monitoring, check-in work and other management functions.

Access Control Management System Topological Graph



Magnetic Lock Series



CS181 Single Door Magnetic Lock



CS182 Double Doors Door Magnetic Lock



CSL281 Single Door Magnetic Lock



CSL282 Double Doors Door Magnetic Lock

Code	CS181	CS182	CSL281	CSL282
Suction Force	140Kg（330Lbs)	140Kg*2（330Lbs*2)	200Kg（550Lbs)	200Kg*2（550Lbs*2)
Safety Type	Power off and Unlocked	Power off and Unlocked	Power off and Unlocked	Power off and Unlocked
Input Voltage/Working Current	DC12V/150mA	DC12V/150mA*2	DC12V/250mA	DC12V/250mA*2
Starting Current	300mA	300mA*2	500mA	500mA*2
Lock State Signal Output	--	--	√	√
Voltage Error Range	±15%	±15%	±15%	±15%
LED Indication	--	--	√	√
Environmental Temperature	-25℃~55℃	-25℃~55℃	-25℃~55℃	-25℃~55℃
Relative Humidity	Less Than or Equal to85%	Less Than or Equal to85%	Less Than or Equal to85%	Less Than or Equal to85%
Lock Body Size	183*41.5*20	340*41.5*21	250*49*26	500*47*25
Applied Bracket	ZJ12/ZJ22	ZJ12/ZJ22	ZJ13/ZJ13A/JZ24	ZJ23

- Built-in circuit protection device(MOV).
- LED light display door lock state.
- Lock state signal output(NO,NC, COM)
- Anodic oxidation finish lock body.
- Professional and non residual magnetic design.
- Applied single way opening.
- Applied to wooden door, frameless glass door(please purchase bracket), metal door, anti-fire door, etc.

Magnetic Lock

Electric Mortise Lock Series



DCS101 Electric Mortise Lock



DCS201 Electric Mortise Lock



DCS202 Electric Mortise Lock



DCS301 Electric Mortise Lock

Code	DCS101	DCS201	DCS202	DCS301
Safety Type	Power off and Unlocked	Power off and Unlocked	Power off and Unlocked	Power off and Unlocked
Input Voltage/Working Current	DC12V/100mA	DC12V/150mA	DC12V/130mA	DC12V/150mA
Starting Current	900mA	900mA	880mA	950mA
Lock State Signal Output	--	--	√	√
Delayed Locking	--	√	√	√
LED Indication	--	--	√	√
Voltage Error Range	±15%	±15%	±15%	±15%
Environmental Temperature	-25℃~55℃	-25℃~55℃	-25℃~55℃	-25℃~55℃
Relative Humidity	Less Than or Equal to 85%	Less Than or Equal to 85%	Less Than or Equal to 85%	Less Than or Equal to 85%
Lock Body Size	205*35*42	205*35*41	192*25*37	205*30*39
Applied Bracket	ZJ01/ZJ02/ZJ04	ZJ01/ZJ02/ZJ04	--	--

- Providing lowest temperature,saving electricity design.
- Applied double ways opening.
- Applied to wooden door, frameless glass door(please purchase bracket), metal door, anti-fire door, etc

Electric Mortise Lock

Bracket Series



ZJ01 Bracket



ZJ02 Bracket



ZJ04 Bracket



ZJ22 Bracket



ZJ23 Bracket



ZJ24A Bracket



ZJ12 Bracket



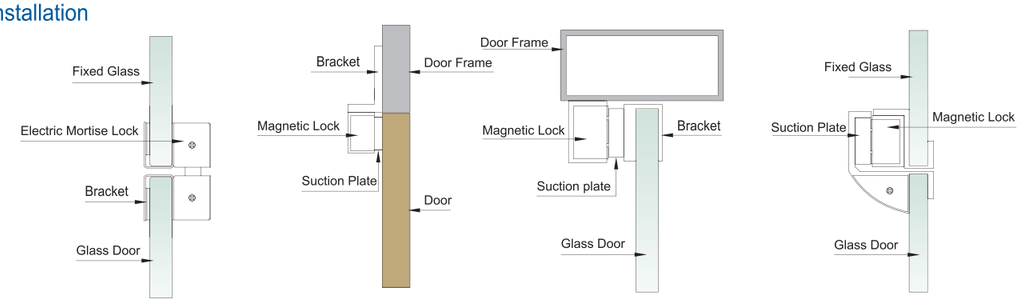
ZJ13 Bracket



ZJ13A Bracket Can be hidden wires

Code	Appearance Size	Lock Type	Glass Thickness	Door Type
ZJ01/ZJ02	210*59*45	DCS101/DCS201	10~15mm	Frameless Glass Door Sash, Top Fixed Glass
ZJ04	94*49*38	DCS101/DCS201	10~15mm	Frameless Glass Door
ZJ22	130*41*28	CS181/CS182	10~<15mm	Frameless Glass Door
ZJ23	180*41*28	CSL281/CSL282	10~<15mm	Frameless Glass Door
ZJ24A	250*80*69	CSL281/CSL282	10~<15mm	Wooden Door, Metal Door, Frame glass door
ZJ12	170*25*40	CS181/CS182	--	Wooden Door, Metal Door, Frame glass door
ZJ13	250*47*28.5	CSL281/CSL282	--	Wooden Door, Metal Door, Frame glass door
ZJ13A	250*48*40.5	CSL281/CSL282	--	Wooden Door, Metal Door, Frame glass door

installation



Electromagnetic Door Stopper Series



MX31 Electromagnetic Door Stopper



MX32A Electromagnetic Door Stopper



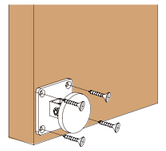
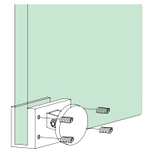
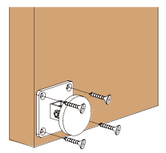
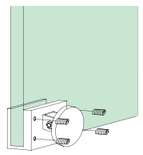
MX41 Electromagnetic Door Stopper

- Release button using anti-damage design



MX42 Electromagnetic Door Stopper

- Release button using anti-damage design

Code	MX31	MX32A	MX41	MX42
Safety Type	Power off and Release	Power off and Release	Power off and Release	Power off and Release
Input Voltage/Working Current	DC12V/150mA	DC12V/150mA	DC12V/150mA	DC12V/150mA
Suction Force	23Kg(50Lbs)	23Kg(50Lbs)	23Kg(50Lbs)	23Kg(50Lbs)
Manual Release	√	√	√	√
LED Indication	--	--	√	√
Voltage Error Range	±15%	±15%	±15%	±15%
Environmental Temperature	-25℃~55℃	-25℃~55℃	-25℃~55℃	-25℃~55℃
Relative Humidity	Less Than or Equal to 85%	Less Than or Equal to 85%	Less Than or Equal to 85%	Less Than or Equal to 85%
Lock Body Size	118*93*110	85*88*71	110*80*83	110*80*83
Applied Door Type	Wooden Door, Frame glass door	Frameless Glass Door	Wooden Door, Frame glass door	Frameless Glass Door
Applied Glass Thickness	--	12～15mm，19mm	--	12～15mm，19mm
Suction-plate Installation Diagram				

Note: Electromagnetic door stopper can custom non standard colors (not including suction-plate)

Switch Series



KG01 Switch Series



KG05 Switch Series



KG08 Switch Series

Sensor Distance≤8cm



YK01 Handset

Linear Remote Distance≤7.5m

Code	Appearance Size	Input Voltage/Working Current	Selected Material	Connected Point Selection
KG01	86*86*28	DC 36V/3A(Maximum)	Aluminium Alloy (Panel)+Stainless Steel(Button)	NO/NC/COM
KG05	86*86*34	DC 36V/3A(Maximum)	PVC	NO/COM
KG08	86*86*39	DC 36V/3A(Maximum)	Stainless Steel(Panel)	NO/COM/NC
YK01	62*44*30	DC 12V/80mA	PVC	NO/COM/NC

Power Controller Series



PCS01 Power Controller



PCS02 Power Controller

Code	PCS01	PCS02
Appearance Size	180*80*63	223*213*63
Input Voltage	AC220～240V/50Hz	AC220～240V/50～60Hz
Output Power	DC12V/3A	DC12V/3A
Access Control Connected Point	√	√
Electric Lock Connected Point	√	√
Button Connected Point	√	√
Delay function	0～30s	0～30s
Output Short-circuited Protection	--	√
Battery Storage Function	--	√

Note: Please purchase battery,it can supplied 4 hours after powered off, size 12V/7AH, appearance size 150*95*65

Card Reader Series



DK05 Card Reader



DK10 Card Reader



DK11 Card Reader

Code	DK05	DK10	DK11
User Capacity	1200	2000	2500
Using Card	√	√	√
Using Password	√	√	√
Card+Password	√	√	√
Communication Form	--	--	RS485
Language	--	--	Chinese/Englis
Input Voltage	DC12V	DC12V	DC12V
Working Temperature	-20~55℃	-20~55℃	-20~55℃
Anti-water Function	--	√	--
Cover Plate Material	PVC	Zinc Alloy	PVC
Button Background Light	--	√	--
ID Card(Buy)	√	√	√
IC Card(Buy)	--	√	√

Typical Project

Wanda Plaza



Fushun Wanda Plaza
Nanchang Wanda Plaza
Fanyu Wanda Plaza
Jining Wanda Plaza
Jinhua Wanda Plaza
Longyan Wanda Plaza
Yantai Wanda Plaza
Dandong Wanda Plaza
Jinzhou Wanda Plaza
Wujin Wanda Plaza

Wenzhou Pingyang Wanda Plaza
Shandong Weifang Wanda Plaza
Dongguan Chang'an Wanda Plaza
Foshan Nanhai Wanda Plaza
Nanning Qingxiu Wanda Plaza
Wanda Hohhot Plaza
Wuhan Wanda Plaza
Hangzhou Wanda Plaza
Bengpu Wanda Plaza
Kunming Wanda Plaza

Chongqing Wanda Plaza
Guangyuan Wanda Plaza
Chang'an Wanda Plaza
Dongying Wanda Plaza
Yingkou Wanda Plaza
Anyong Wanda Plaza
Zhanjing Wanda Plaza
Nanjin Wanda Plaza
Fuzhou Wanda Plaza
Anhui Wanda Plaza

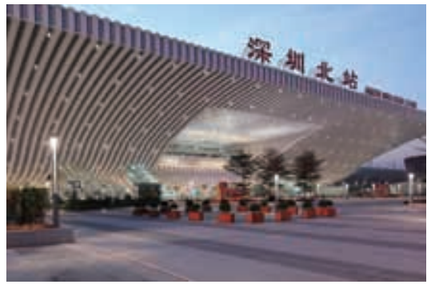
Hotel



Jade Hotel
Malaysia AST Hotel
Qatar Hilton Garden Inn Spring Field Hotel
Malaysia EQO Hotel
Yatai sea Five Fingers Group Forest Hotel
anya annatar Hotel
Sanya Sun Bay Park Hotel
Qingdao Shiyuan Holiday Hotel
Henan Yutang Hot spring Dasiy Hotel

Suzhou Jinhe Hotel
Wuhan Optics Valley Hilton Hotel
Burma Jinding Hotel
Ningguo City Sun Shine Hotel
singapore SCHP (Phoenix Hotel）
Mianyang Taohua Island Hotel
Shenyang Oriental Ginza International Hotel
Henan Qingteng Regency Hotel
Baoji Huaxia Hotel

Metro/High-speed Rail



Jiahe Metro
Hangzhou Metro
Shenzhen Metro
Dalian Metro
Wuxi Metro
Guangzhou Metro
Nanjing High-speed Rail North Station
Suzhou High-speed Rail North Station
Hefei High-speed Rail South Station
Loudi High-speed Rail Station

Xinhua High-speed Rail Station
Zhenjiang Nanxu High-speed Rail Station
Xingtai High-speed Rail Station
Changde Shimen Rail Station
Guangxi Fangchenggang Rail Station
Da Qing Rail Station
Ningbo Rail Station
Mianyang Rail Station
Meishan High-speed Rail Station
Emei High-speed Rail Station

Typical Project

Air Port



Shenzhen Baoan Airport T3 Terminal
Hangzhou Xiaoshan International Airport
Nanchang Changbei Airport
Guiyang Dongbao International Airport
Chizhou Jiuhuashan Airport
Nanning wuwei Airport
Xiamen Gaoqi International Airport
Shenyang Taoxian Airport
Erdos Airport
Chengdou Shuangliu Airport

Manila Philippines Airport
Congo fabric Airport
North Korea Nimes Airport
Togo Lome Airport
Huizhou pingtan Airport
Haikou Meilan Airport
Kenya Airport
Rwanda Airport
Jordan Airport
Hanoi Airport

Office Building



Zunyi Huichuan Police Office Building
Qinhuangdao Changli Office Building
Suzhou Jiading Office Building
Sinopec Office Building
Yanjing Beer Office Building
Agricultural Bank of China
Suzhou Branch Office Building
Zhangjiagang Guotai Office Building
Taiyuan Xishan Coal Mine Office Building
Huai'an Shilian Chemical Under-water Office Building
Huarun Gas Office Building

Public Construction Projects



Beijing Water Cube
Guangzhou Asian Games City
Shandong Dongsheng Gymnasium
Shanxi Grand Theatre
Shanghai China Expo Exhibition Center
Shenyang International Exhibition Center
Baoshan Shanghai Gymnasium
Jinan Olympic Sports Center

Weifang Cultural Arts Center
Yancheng Cultural Arts Center
Chengdu Overseas China Town
Wuhan Tongji Hospital
Guangzhou Science city
Shanghai Pudong Development Bank Building
Guangzhou Opera House