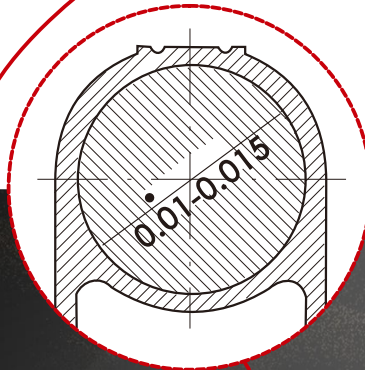
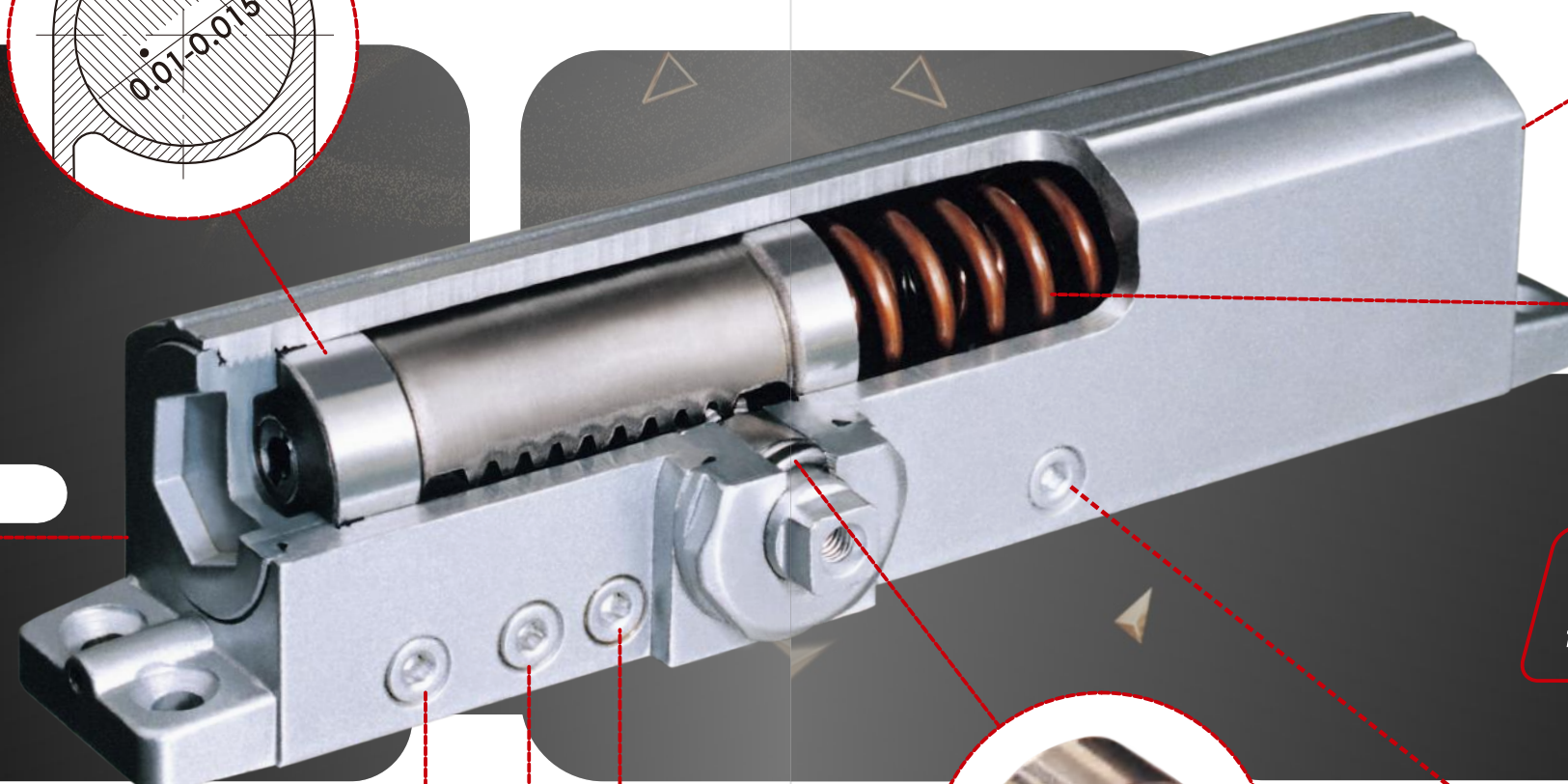


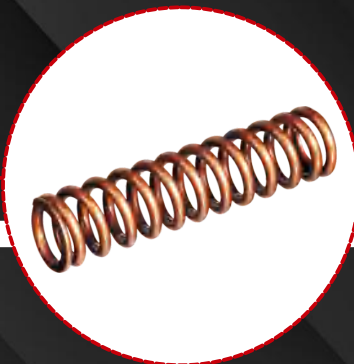
Precision of interspace of piston and Aluminum body is controlled at 0.01-0.015mm, to guarantee "Oubao" door closer's excellent performance.



All of "Oubao" Door Closer body must be treated by: centralized smelting, fully automatic die casting, dozens of precision machining



Power Adjustable Valve



High Strength Spring, Oil-tempered steel, supply enough power to close the door even after 2 million cycles.

Back Check Valve

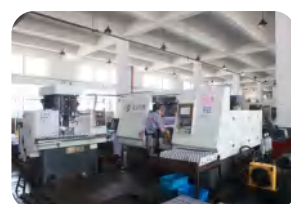


Needle Bearing Installed For Super Smooth Operatipon & High Efficiency

Latching Speed Valve

Closing Speed Valve

Delay Action Valve



Adopting advanced automatic digital control equipments. The picture is machine shop.



Adopting top quality Aluminum alloy raw material, under the advanced technology of Die-Casting, Oubao HIGH STRENGTH door closer's body is very compact in construction, which contributes for non oil leakage, non-corrosive, high durability. The picture is the scene for Die-Casting Machine.



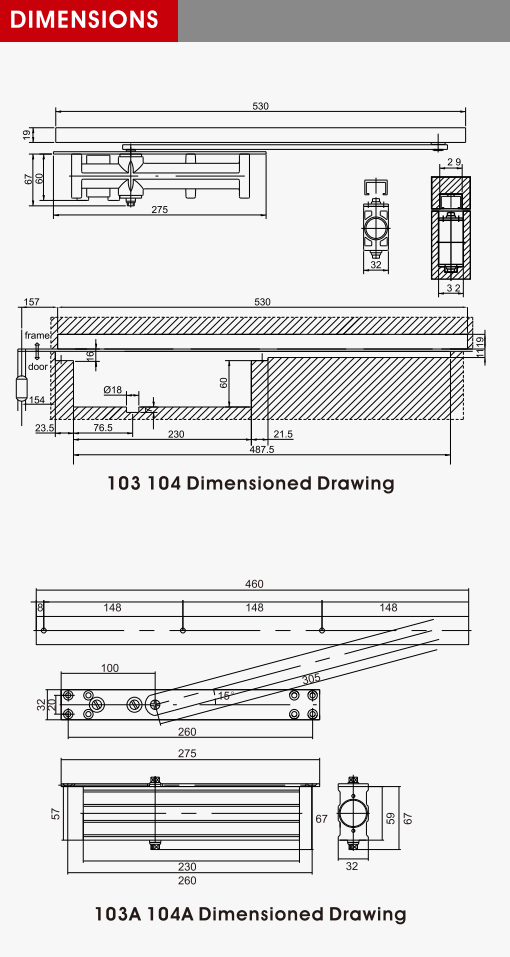
The machine that automates the processing of pistons, ensures the stability of quality while increasing the output.



Before Assemble, All components have been supersonic cleaned, to ensure cleanness inside. The picture is the scene for supersonic:cleaning.

100 SERIES

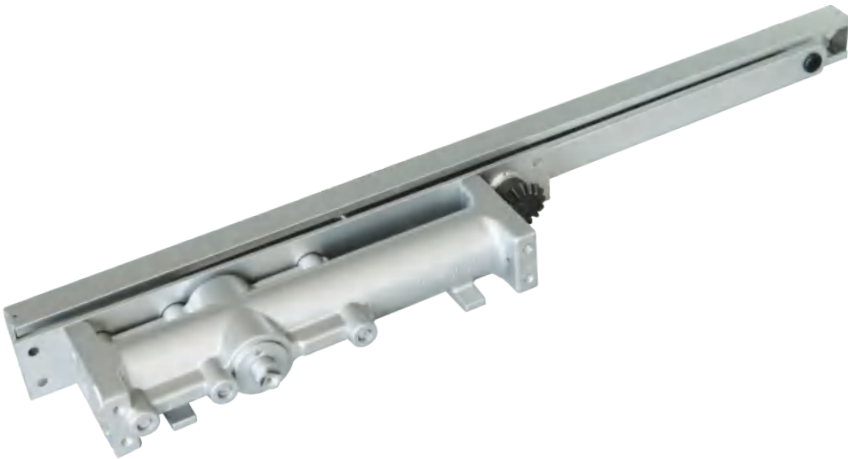
1035 SERIES



- Concealed Overhead Closer, "invisible" door closer
- 103 Type meet UL standard, with CCCF certified
- Precise Aluminum Body with Needle Bearing
- Adjustable Closing & Latching Speed
- Closer body 32mm Thickness. Non Handed Installation
- Slide Tracking arm with hold-open function



	Max.Door width (mm)	Door weight (kg)	Material of Body
103	950	40-65	Die Casting Aluminum
103A	950	40-65	Aluminum extruded sections
104	1050	60-80	Die Casting Aluminum
104A	1050	60-80	Aluminum extruded sections

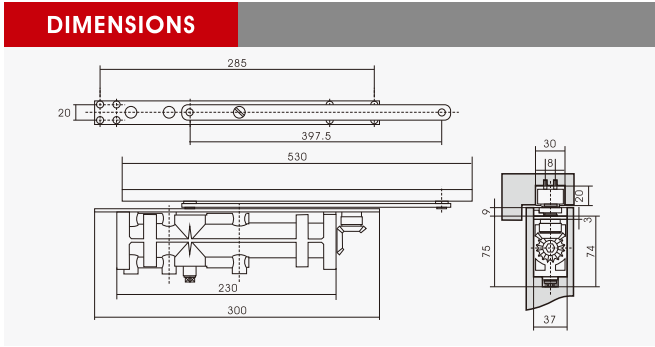


Back Check Valve



Power Adjustable

- Concealed Overhead Closer, "invisible" door closer
- Adjustable Closing & Latching Speed
- Power Adjustable #3 to #5 by Spring
- Thickness 37 mm
- Self-regulating Back Check
- Angle of opening : 120°



DATA AND FEATURES		1035
Closing force	Spring strength(EN)	3-5
Standard doors		≤1250mm ≤100kg
Body dimensions(mm)	Length*Height*Projection	239*61*37
Arm	Track(standard)	yes
Power adjustable by spring		yes
Rack and pinion		yes
Hold-open	Hold open arm	yes
Back-check	Self-regulating	yes
Non-handed		yes

Standard Finishes: Silver,Bronze or Gold,other finished upon

CROSS REFERENCES

OUBAO	DOORINT
1035	385

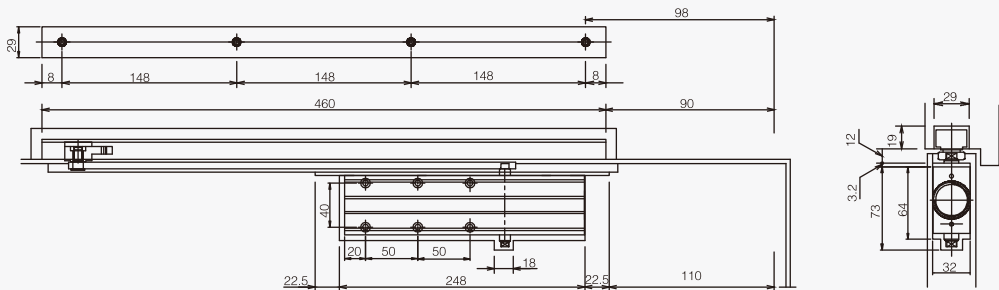
Door Closer

105 SERIES



- Power size 5, suit for Max. Door weight 100kg
- Extruded aluminum body requiring minimal removal of material from the door and frame.
- Adjustable closing and latching speed
- Nonhanded design is suitable for all applications

DIMENSIONS



Item No	Closing force	Door Max	Max Door Width	Remarks
105	Fixed size 5	100kg	1100mm	Door Opening 105°

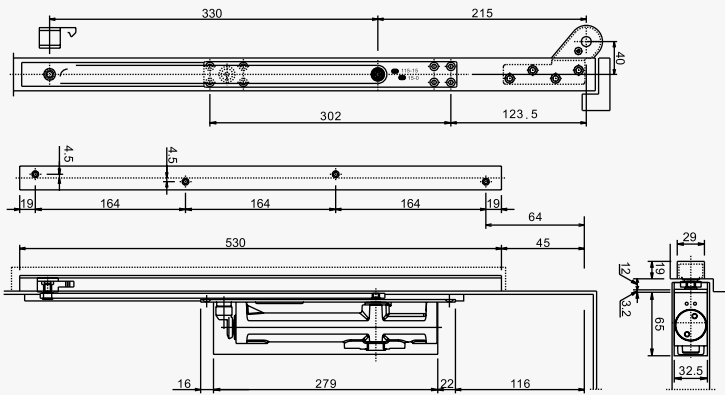
Door Closer

CD60 SERIES



- Cast iron body for high strength and last longer cycles
- Closer spring power adjustable, EN Size 2~4
- Cam action technology provides high efficiency, and easy open, safe and reliable closing power for door application
- Non handed design is suitable for all applications
- Closing speed valve controls the door closer from fully open to 15° closed position
- Latching speed valve controls the speed of door from 15°~0° close position
- Hold open or Non hold open function available on every closer

DIMENSIONS



Item No	Closing force	Door Max	Max Door Width	Remarks
CD60	EN2-EN4	100kg	1100mm	Door Opening 105

203 SERIES



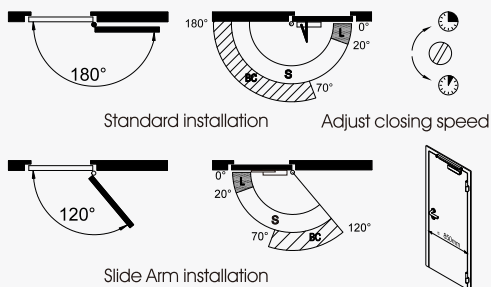
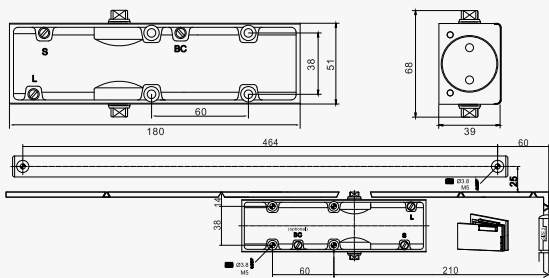
- Adjustable Closing & Latching Speed.
- European Style Designed Medium Duty Closer, Commercial Use/
- Die-casting body & Steel Scissors Arm, Slide Track Arm Optional.
- Two speed valves on the front of door closer body, which hidden under of slide cover.



203SL



DIMENSIONS



203 SL with slide arm, the power size will reduce to size 2

	Max.Door width (mm)	Door weight (kg)	Power Size
203	950	40-65	Fixed size 3
203 SL	850	25-45	Fixed size 2

CROSS REFERENCES

OUBAO	GEZE	RYOBI
203	TS1500	D-1200

The data on this represents our judgment of which are most similar, since no product is exactly alike each other, it is not guaranteed nor represented that any specific product exactly equals any other product.

204 SERIES



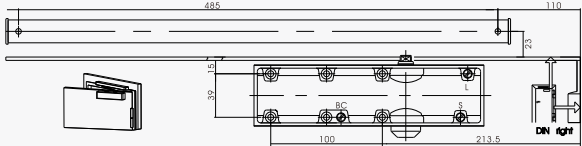
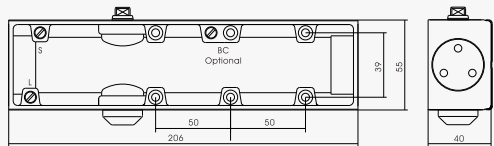
- Adjustable Closing & Latching Speed
- European Style Designed Heavy Duty Closer, Commercial Use
- Die casting Aluminum body & Steel Scissors Arm. Slide Track Arm Optional
- Two Speed valves on the front of door closer body, which hidden under of slide cover
- Power Adjustable #2, #3, #4 by Position
- Optional Back Check
- For single action doors Max 1100 mm



204SL



DIMENSIONS



204 SL with slide arm, the power size will reduce to size 3

	Max.Door width (mm)	Door weight (kg)	Power Size
204	1100	25-85	Fixed size 2-4
204BC	1100	25-85	Fixed size 2-4
204 SL	950	25-65	Fixed size 3

CROSS REFERENCES

OUBAO	ASSA ABLOY	GEZE
204	DC 140	TS2000

The data on this represents our judgment of which are most similar, since no product is exactly alike each other, it is not guaranteed nor represented that any specific product exactly equals any other product.

2025 SERIES

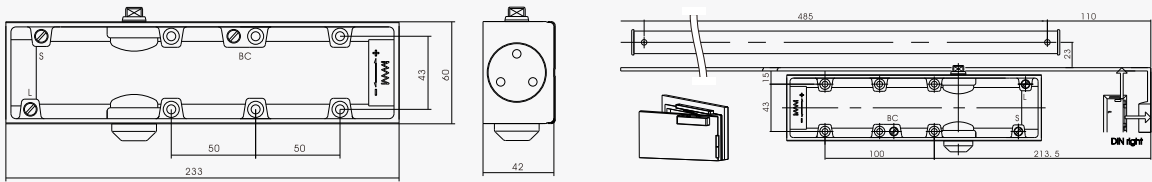
- Adjustable Closing & Latching Speed
- European Style Designed Heavy Duty Closer. Commercial Use
- Two Speed valves&Back Check valve on the front of door closer body, which hidden under of slide cover
- Power Adjustable# 2, #3, #4, #5 by Spring
- For single action doors Max 1250 mm



2025BC SL



DIMENSIONS



2025 SL with slide arm,the power size will reduce to size 1-4

	Max.Door width (mm)	Door weight (kg)	Power Size
2025BC	1250	20-120	Multi size 2-5
2025BCDA	1250	20-120	Multi size 2-5
2025BC SL	1100	15-80	Multi size 1-4

CROSS REFERENCES

OUBAO	ASSA ABLOY	RYOBI
2025	DC 130	TS73

The data on this represents our judgment of which are most similar,since no product is exactly alike each other, Itis not guaranteed nor represented that any specific product exactly equals any other product.

500 SERIES

- UL listed (UL fileNo.R15839),CE Certification (Number:0905-CPR-000509-01).
- 500,000 Cycles Guaranteed In Endurance
- Two separate valves adjustable closing& latching speed
Work Temperature-30°C To 60°C
- Universal Application: Standard, Top-Jamb Parallel Arm installation

Optional Anti-Freeze Oil: Suit for-45°C Temperature

Optional Items:

D:Bult in HOLD Open type:502D
503D

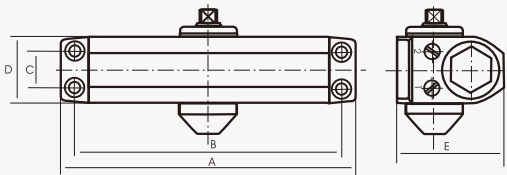
C:Decorative ABS Cover for 502,503,504
Steel Cover for 502, 504 Type

PA:Parallel Arm Bracket
When with parallel arm installation,
will reduce power size



OPTIONAL

DIMENSIONS



	Dimension (mm)					Door width (mm)	Suit For Door Weight (kg)
	A	B	C	D	E		
502	186	168	19	44.5	67	850	25-45
503	223	206	19	44.5	72	950	40-65
504	248	230	19	44.5	72	1100	60-85
505	248	230	19	44.5	72	1250	80-120

CROSS REFERENCES

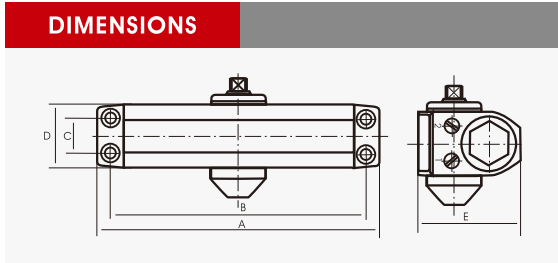
OUBAO	NORTON	CORBIN	DORMA	LCN	RUSSWIN	YALE	TAYMOR	PARKER
500	1600	100	TS77 & MA200	1050	2800	50	9500/60	500

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Door Closer

530 SERIES

- Budget style
- UL listed(UL file No.R15839)for 520 530 type
- Two separate valves adjustable closing&latching speed
- Optional Built-in Hold open,or with Hold Open arm
- Universal Application:Standard,Top-Jamb Parallel Arm installation(Optional)



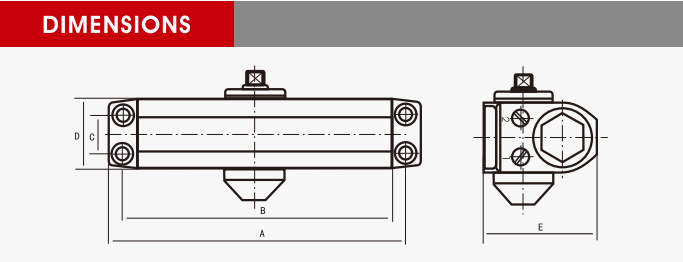
* There are exclusive agents for this series of products in certain markets. Please consult your sales consultant before purchasing

	Dimension (mm)					Door width (mm)	Suit For Door Weight (kg)
	A	B	C	D	E		
51-1	142	126	19	37	57	<750	15-30
51-2	142	126	19	37	57	850	25-45
510	179	165	19	42	62.5	<750	15-30
520	179	165	19	42	62.5	850	25-45
530	179	165	19	42	62.5	950	40-65
540	208	188-190	19	44.5	72	1100	60-85
550	208	188-190	19	44.5	72	1250	80-120

Door Closer

53 SERIES

- Special ultra-thin aluminum body, ideal for budget project.
- UL listed (UL file No. R15839) for 514 Type
- Hydraulic door closer with rack and pinion mechanism.
- Two separate valves adjustable closing & latching speed.
- Work Temperature-30°C To 60°C.
- Optional Built-In HOLD OPEN.
- Universal Application: Standard, Top-Jamb.
- Parallel Arm installation (P.A. Bracket be provided upon Request).



Optional Items:
Built in HOLD OPEN type: 52D
53D

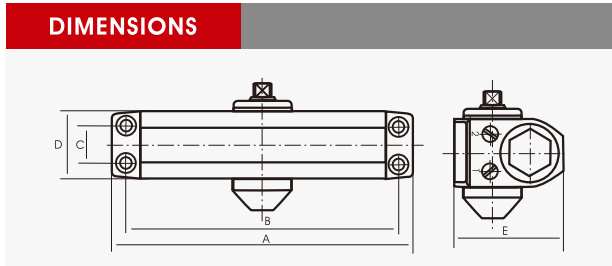
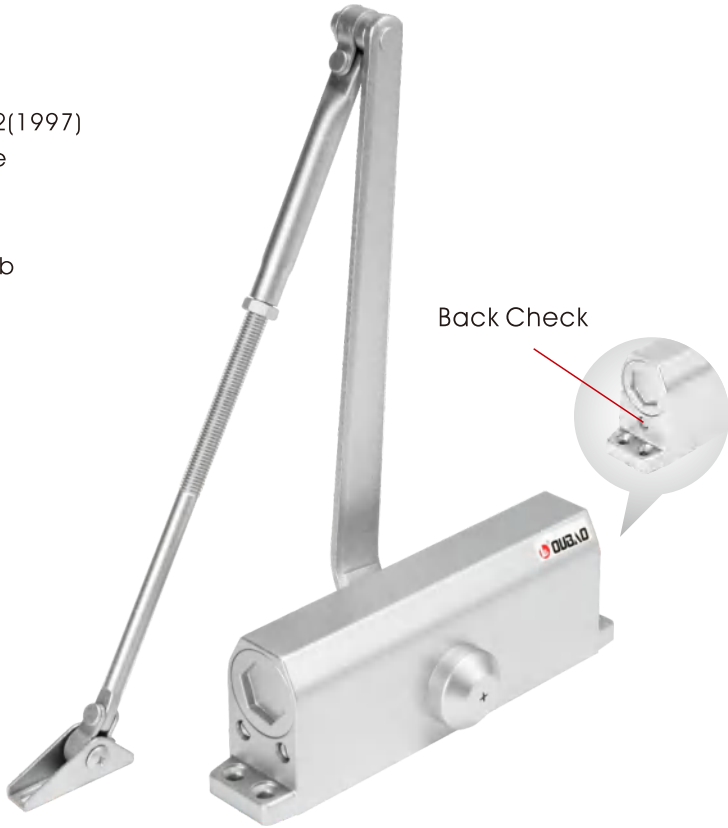
* There are exclusive agents for this series of products in certain markets. Please consult your sales consultant before purchasing

	Product Weight (kg)	Dimension (mm)					Door weight (mm)	Suit For Door Weight (mm)
		A	B	C	D	E		
52	1.25	179	165	19	42	65	850	25-45
53	1.28	179	165	19	42	65	950	40-65
514	1.38	179	165	19	42	65	1100	60-85

Door Closer

500BC SERIES

- UL/C-UL Listed, CE Certification
- Certified to Conform to UL 10C and UBC 7-2 (1997)
- 500,000 Cycles guaranteed in Endurance
- Adjustable Closing & Latching Speed
- Standard Back Check Function
- Universal Application: Standard, Top-Jamb Parallel Arm Installation



WITH BACK CHECK FUNCTION

Recommended type for Fire Door. Certified to Conform to UL 10C and UBC 7-2 (1997)

	Dimension (mm)					Door width (mm)	Suit For Door Weight (kg)
	A	B	C	D	E		
523BC	186	168	19	44.5	67	950	40-65
503BC	223	206	19	44.5	72	950	40-65
534BC	223	206	19	44.5	72	1100	60-85
543BC	248	230	19	44.5	72	950	40-65
504BC	248	230	19	44.5	72	1100	60-85
505BC	248	230	19	44.5	72	1250	80-120

Door Closer

600 SERIES

- Budget Style
- UL listed (UL file No. R15839), CE Certification (Number: 0905-CPR-000071-01).
- Heavy duty Rack and pinion, High Strength Cast Aluminum Body.
- Two separate valves adjustable closing & latching speed.
- Work Temperature -30°C To 60°C.
- Universal Application: Standard, Top-Jamb, Parallel Arm Installation. (P.A bracket be provided upon request).

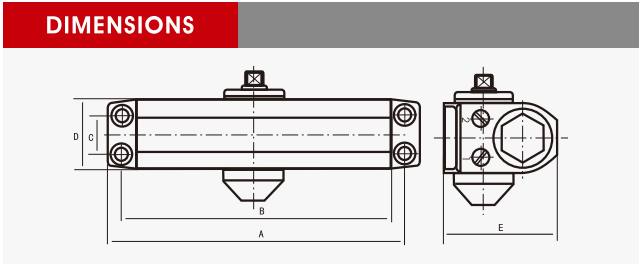
Optional Items:

D: Built in HOLD OPEN type:

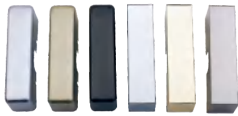
601D, 602D, 603D, 632D, 643D

C: Decorative P.V.C Cove or Steel Cover for 603, 632 type only.

PA: Parallel Arm Bracket.



Finishes:



- Silver
- Gold
- Bronze
- PNP (Polished Nickel Plated)
- PB (Polished Brass)
- SNP (Satin Nickel Plated)

	Dimension (mm)					Door width (mm)	Suit For Door Weight (kg)
	A	B	C	D	E		
601	148	132	20	37	57.5	<750	15-30
602	148	132	20	37	57.5	850	25-45
632	186	168	19	44.5	67	850	25-45
603	186	168	19	44.5	67	950	40-65
643	223	206	19	44.5	72.5	950	40-65
604	223	206	19	44.5	72.5	1100	60-85
605	248	230	19	44.5	72.5	1250	80-120

Door Closer

Door Closer

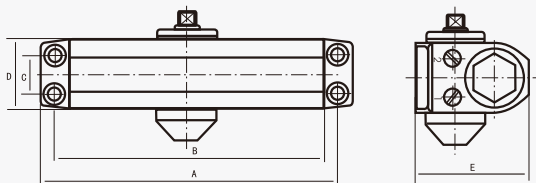
700 SERIES

- Commercial & Residential Use.
- UL listed (UL fileNo.R15839), CE Certification(Number:0905-CPR-000510-01).
- Heavy duty Rack and pinion, High Strength Cast Aluminum Body.
- Two separate valves adjustable closing & latching speed.
- Work Temperature-30°C To 60°C.
- Universal Application:Standard, Top-Jamb,Parallel Arm Instruction.(P.A bracket be provided upon request).



OPTIONAL

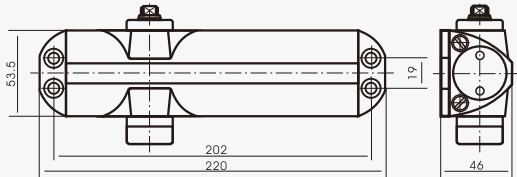
DIMENSIONS



C: PVC cover for 701 only
PA: Parallel Arm Bracket.
BC:Optional Back Check for size 3,4,5



DIMENSIONS



	Dimension (mm)					Door width (mm)	Suit For Door Weight (kg)
	A	B	C	D	E		
701	179	162-165	19	41	65	<750	15-30
702	186	168	19	44.5	67	850	25-45
703	223	206	19	44.5	67	950	40-65
704	248	230	19	44.5	70	1100	65-85
705	248	230	19	44.5	70	1250	80-120

3303 SL: with slide arm,the power size will reduce to size 2

	Max.Door width (mm)	Door weight (kg)	Power Size
3303	1000	25-80	Size 2-3-4 by position
3303 SL	850	25-45	Fixed size 2

CROSS REFERENCES

OUBAO	YALE	GEZE	DORMA
3303	2234	TS1000	TS68

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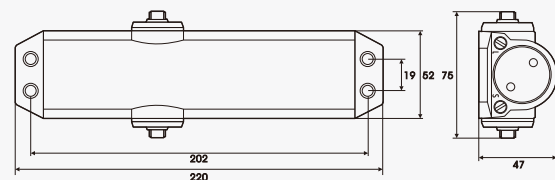
Door Closer

3234 SERIES

- Hydraulic door closer with rack and pinion mechanism.
- High quality cast aluminum alloy case.
- Detachable Arm and internal components in high quality steel.
- Force EN 2 - EN 3 - EN 4 depending on installation position.
- Adjustable Closing & Latch Speed, Standard Back Check function Needle Latching.
- CE Certificate Undergoing.



DIMENSIONS



Type	Max.Door width (mm)	Door weight (kg)	Power Size
3234 BC	1100	25-80	Size 2-3-4 by position

CROSS REFERENCES

OUBAO	YALE	GEZE	DORMA
3234BC	2234	TS1000	TS68

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Door Closer

5000 SERIES

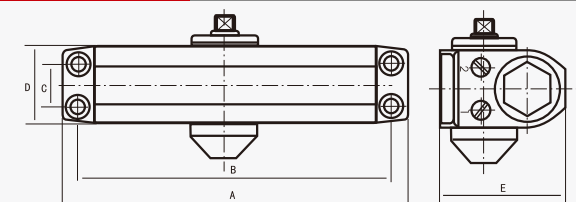
- Recommended type for Fire Door, UL 10C Certified
- Meet with ANSI 156.4Grade 1
- 10years Guarantee 2 Million Life Cycles
- Multi-size, Adjustable Spring force from1~4, 3~6
- Rack and pinion mechanism contained in a high tensile precision cast aluminum housing.
- Needle Bearing
- Optional Delay Action and Slim/Full Plastic Cover
- ADA:5014 with Barrier Free(BF) Function for elderly/handicapped
- Universal application. Non-handed for standard, top jamb or parallel arm installation.



Power Adjustable Valve



DIMENSIONS



	Dimension (mm)					Suit For Door Weight (mm)
	A	B	C	D	E	
5014BC	248(9-3/4")	230(9-1/16")	19(3/4")	44.5(1-3/4")	72(2-7/8")	15-85
5014BC/DA	248(9-3/4")	230(9-1/16")	19(3/4")	44.5(1-3/4")	72(2-7/8")	15-85
5036BC	248(9-3/4")	230(9-1/16")	19(3/4")	44.5(1-3/4")	72(2-7/8")	40-150
5036BC/DA	248(9-3/4")	230(9-1/16")	19(3/4")	44.5(1-3/4")	72(2-7/8")	40-150

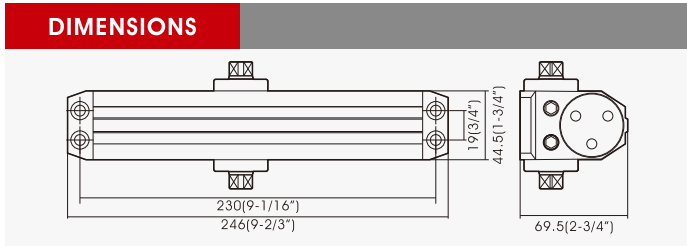
CROSS REFERENCES

OUBAO	NORTON	DORMA	HAGER	PARKER	LCN	SARGENT	YALE
5000	1600	U1500	5300	900	1070/1370	1130	50

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5016 SERIES

- UL and CUL listed; UL 10C fire rated
- Meet with ANSI 156.4 Grade 1.
- 10 years Guarantee 2 Million Life Cycles
- Multi-size, Adjustable Spring force from 1~6
- Rack and pinion mechanism contained in a high tensile precision cast aluminum housing.
- Needle Bearing
- ADA:5016BCwith Barrier Free (BF)Function for elderly/handicapped
- Universal application. Non-handed for standard, top jamb or parallel arm installation.



	Suif for Door weight (kg)
5016 BC	33-330lbs(15-150kg)

- OPTIONAL FEATURES:**
- Slim/Full/Inclined Plastic Cover
 - Sex Nuts
 - Drop Plate
 - Hold open arm

CROSS REFERENCES

OUBAO	NORTON	DORMA	HAGER	PARKER	FALCON	SARGENT	YALE
5016	1600	640/7300/7400	5300	900	SC60A	1130	50

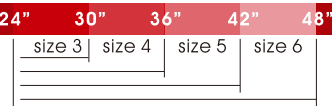
The data on this represents our judgment of which are most similar,since no product is exactly alike each other, it is not guaranteed nor represented that any specific product exactly equals any other product.

7016 SERIES

- America Style Designed, Heavy Duty for Commercial Doors
- ANSI 156.4 Grade 1, Two Million Cycles in Endurance
- Adjustable Closing & Latching Speed
- Adjustable Back-Check, Delay Action Optional
- Precision Heavy Duty Rack (Piston)& Pinion Gear, Needle Bearing.
- Optional Full cover & Slim cover
- Barrier Free, Lower Opening Resistance for the handicapped/elderly
- Multi-size, 1-6

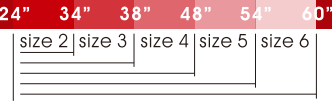
TABLE OF SIZES
Closing power of closers may be adjusted 50%.
Shows recommended range of door width for closer size.

EXTERIOR(and VESTIBULE)DOOR WIDTH

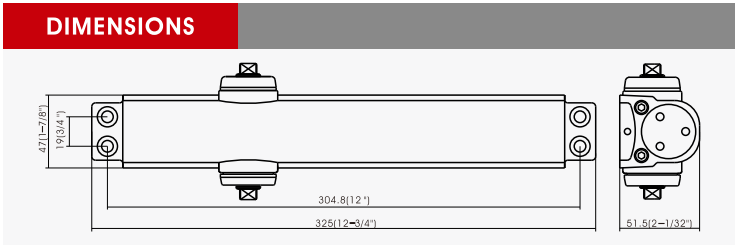


Minimum Door Width

INTERIOR DOOR WIDTH



Minimum Door Width Adjustable Size 1 thru 6



Type	Max.Door width (mm)	Door weight (kg)	Power Size
7016 BC	1400	15-150	Multi size 1-6
7016 BC/DA	1400	15-150	Multi size 1-6

CROSS REFERENCES

OUBAO	NORTON	CORBIN	DORMA	HAGER	LCN	RUSSWIN	SARGENT	YALE	DOOR-O-MATIC
7016	8301	DC3200	8600	5200	1460	9000	1430	3301	SC80

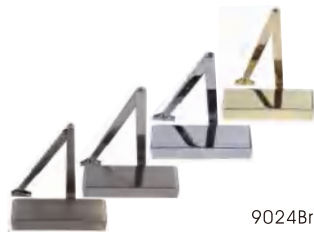
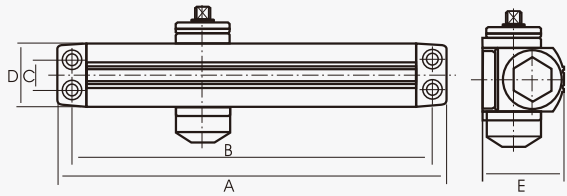
The data on this represents our judgment of which are most similar,since no product is exactly alike each other, it is not guaranteed nor represented that any specific product exactly equals any other product.

9000 SERIES

- European & America Style Designed, Heavy Duty for Commercial Doors.
- CE Certification(0905-CPR-000085-01)
- EN 1154 Certificate 500,000Life Cycles EN1634 fire Certificate.
- Precise Cast Aluminum Body&Steel Arm, Sliding Track Arm Optional.
- Adjustable Closing & Latching Speed.
- Standard Adjustable Back-Check &Delay Action Function.
- Precision Heavy Duty Rack(Piston)&Pinion Gear, Needle Bearing.



DIMENSIONS



9024PB
9024PNP
9024SNP
9024Bronze Plated

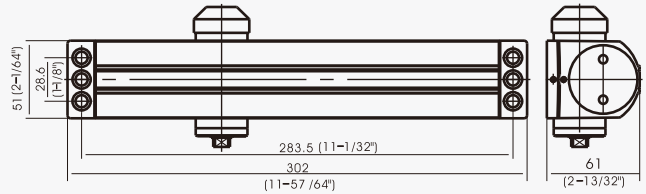
	Dimension (mm)					MAX.Door WIDTH (mm)	Suit For Door Weight (kg)	Power Size
	A	B	C	D	E			
9024BC	248	230	19	42	52	1100	25-85	Multi size 2-4
9024BC/DA	248	230	19	42	52	1100	25-85	Multi size 2-4
9036BC/DA	297	280	19	47	57	1400	45-120	Multi size 3-6
907BC/DA	297	280	19	47	57	1600	120-180	Size 7

9016 SERIES

- America Style Designed,Heavy Duty for Commercial Doors.
- UL Certificate and UL 10.C 3 Hours fire rated.
- Precise Cast Aluminum Body & Blanking
- Steel Arm, Hold Open Arm Optional.
- Adjustable Closing & Latching Speed. Adjustable Back-Check, Delay Action Optional.
- Precision Heavy Duty Rack(Piston)&Pinion Gear, Needle Bearing.
- Barrier Free, Lower opening resistance for the handicapped/ elderly.



DIMENSIONS



	Max.Door width (mm)	Door weight (kg)	Power Size
9016 BC	1400	15-150	Multi size 1-6
9016 BC/DA	1400	15-150	Multi size 1-6

CROSS REFERENCES

OUBAO	NORTON	CORBIN	DORMA	LCN	RUSSWIN	YALE	DOR-O-MATIC
9016	8501	DC3200	8600FC	1460FC	DC3200	3501	500

The data on this represents our judgment of which are most similar,since no product is exactly alike each other, it is not guaranteed nor represented that any specific product exactly equals any other product.

OB03 SERIES

- America Style Designed, Heavy Duty for Commercial Doors.
- UL Certificated, 2 Million Cycles in Endurance
- Precise Cast Iron Body & Forged Steel Arm, Hold Open Arm Optional.
- Adjustable Closing & Latching Speed.
- Adjustable Back-Check, Delay Action Optional.
- Precision Heavy Duty Rack(Piston)& Pinion Gear, Needle Bearing.
- Decorative Plastic Cover & Stainless Steel Cover Optional.
- Barrier Free, Lower opening resistance for the handicapped / Elderly.



ESL-DOOR HOLDER
ELECTRIC SLIDE ARM DOOR HOLDER



Combine heavy duty closers, the electrically controlled hold-open Slide arm to control fire and smoke barrier doors.
Designed to hold swinging doors open in normal use and release and automatically close the doors under fire conditions.
24V DC or 110V-120V AC input
When current is interrupted, hold-open releases and door closes
Can be pushed safely and easily out of hold-open
Functions as full rack and pinion door closer when hold-open is not engaged or current is interrupted,

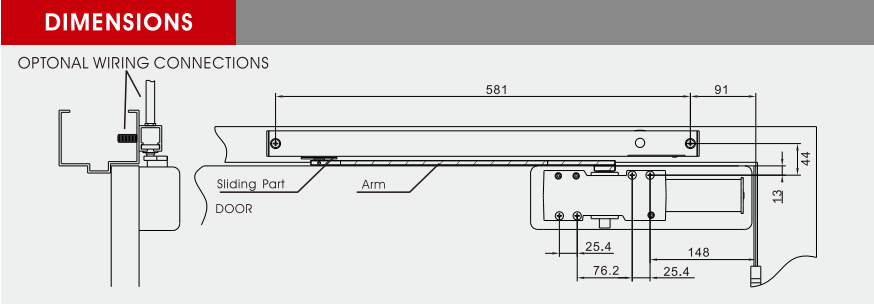
Below is our OB03 Door Closer Feature:
Adjustable hydraulic backcheck cushions opening swing prior to 90°Separate regulation of general closing speed and latching speed High strength cast iron cylinder Forged steel main arm and piston

UL Certificated, File No. R39033

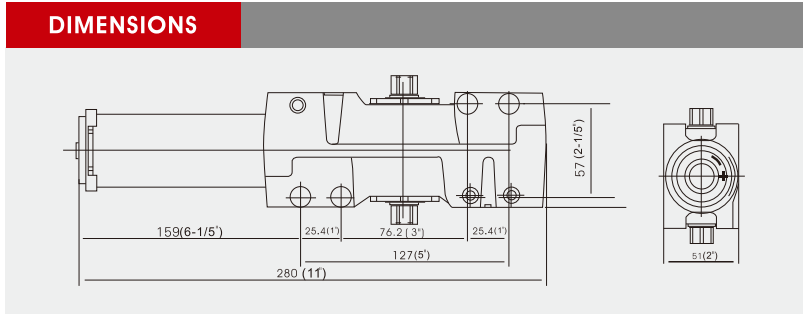


ESL-OB03

Note: After installation, please don't put the arm on the sliding part. Check first if the arm is parallel to the frame and won't touch either the door or the assembly of the sliding part in movement.



Product Size	606x32x36mm
Current	80mA
Voltage	DC 24V
Linkage Function	Working state power supply DC24V, power off automatically release
Feedback Function	Normally open or normally closed signal feedback
Installation method	Standard installation, door frame installation, concealed installation



	Width of Door (mm)	Weight of Door	Power Size
OB03 BC	750-1400	15-150kg / 33-330lbs	Multi size 1-6
OB03 DA	750-1400	15-150kg / 33-330lbs	Multi size 1-6
Ob03 BC/DA	750-1400	15-150kg / 33-330lbs	Multi size 1-6

CROSS REFERENCES

OUBAO	NORTON	CORBIN	DORMA	HAGER	LCN	RUSSWIN	SARGENT	YALE	DOOR-O-MATIC
OB03	9500	DC3000	8900	5100	4041	6200	281/351	4400	SC70

The data on this represents our judgment of which are most similar, since no product is exactly alike each other, it is not guaranteed nor represented that any specific product exactly equals any other product.

Accessories Door Closer



PA-5 Bracket



PA-6 Bracket



PA-52 Bracket



PA-8 Bracket



DT-B2 Detachable Arm



B2 Standard Armset



B3 Standard Armset



9024 Hold Open Arm



5016 Hold Open Arm



SL 204 Slide Arm



SL 9024 Slide Arm



SL OB03 Slide Arm



1 CUSH Shoe Support
2 Blade Stop Spacer



5014 Hold Open Arm



9016 Heavy Duty Arm



OB03 Heavy Duty Arm



9016 Heavy Duty Hold Open Arm



OB03 Heavy Duty Hold Open Arm



OB03 HO Spring Cush Arm



OB03 Spring Cush Arm

Accessories Door Closer



OB03-A1(18TJ)Drop Prate



OB03-A2(18G)Prate



OB03-A3(18PA)Prate



OB03-A4(18)Prate



505 Drop Plate



9016 Slim plastic cover



9016 Full plastic cover



OB03 Metal Cover



502 Metal Cover



9036 Metal Cover



9024 Metal Cover



9016 Stainless Steel Cover



505 Inclined plastic cover



505 Slim plastic cover



505 Full plastic cover



602 Plastic Cover



7016 Slim plastic cover



7016 Full plastic cover



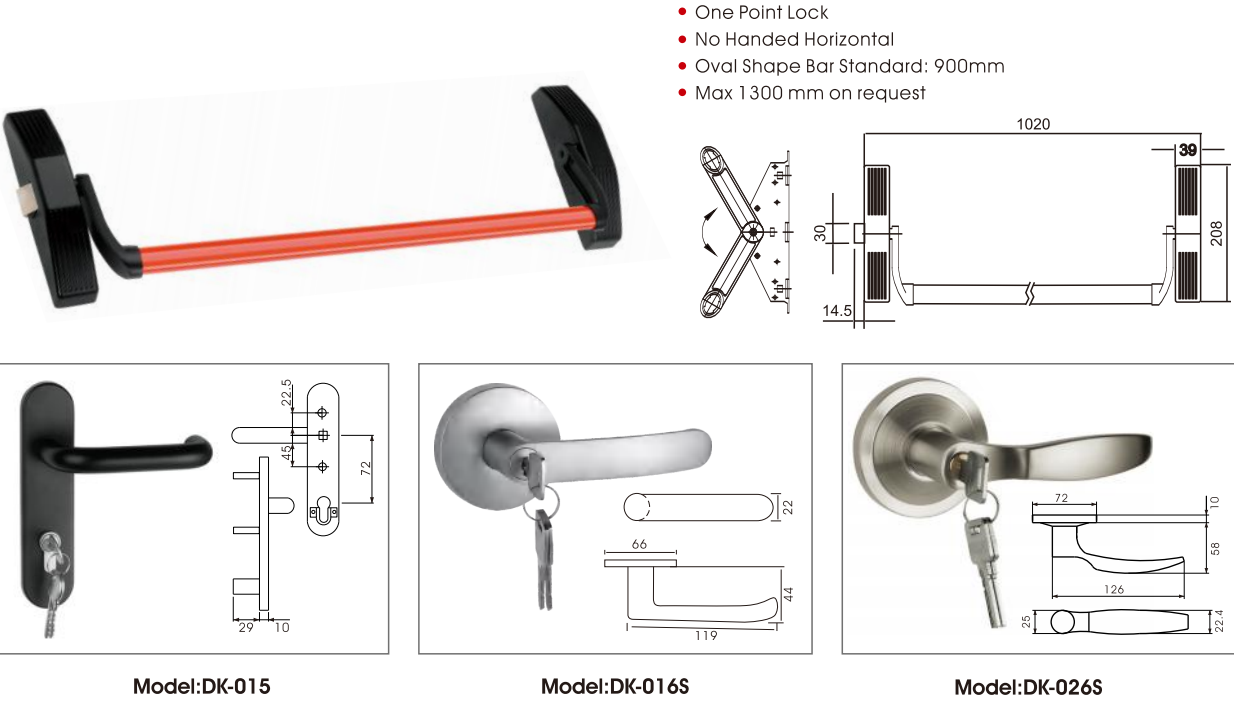
3303 Metal Cover



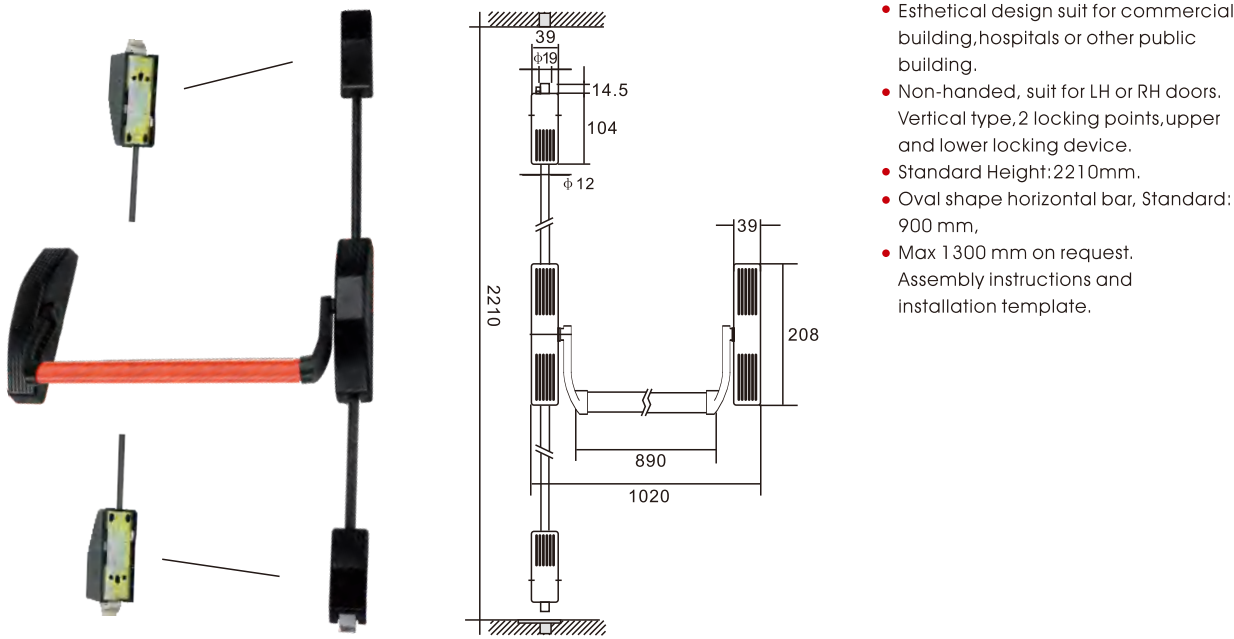
SEX BOLT

Panic Exit Device

CROSS BAR TYPE 1310

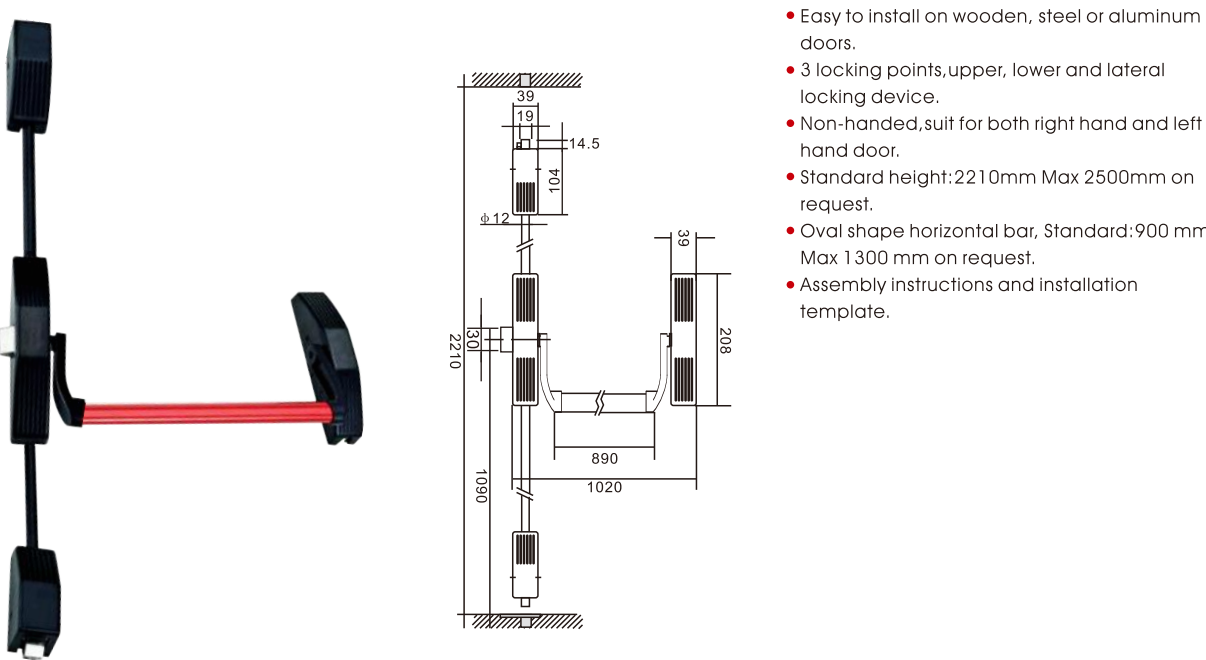


CROSS BAR VERTICAL TYPE 1320

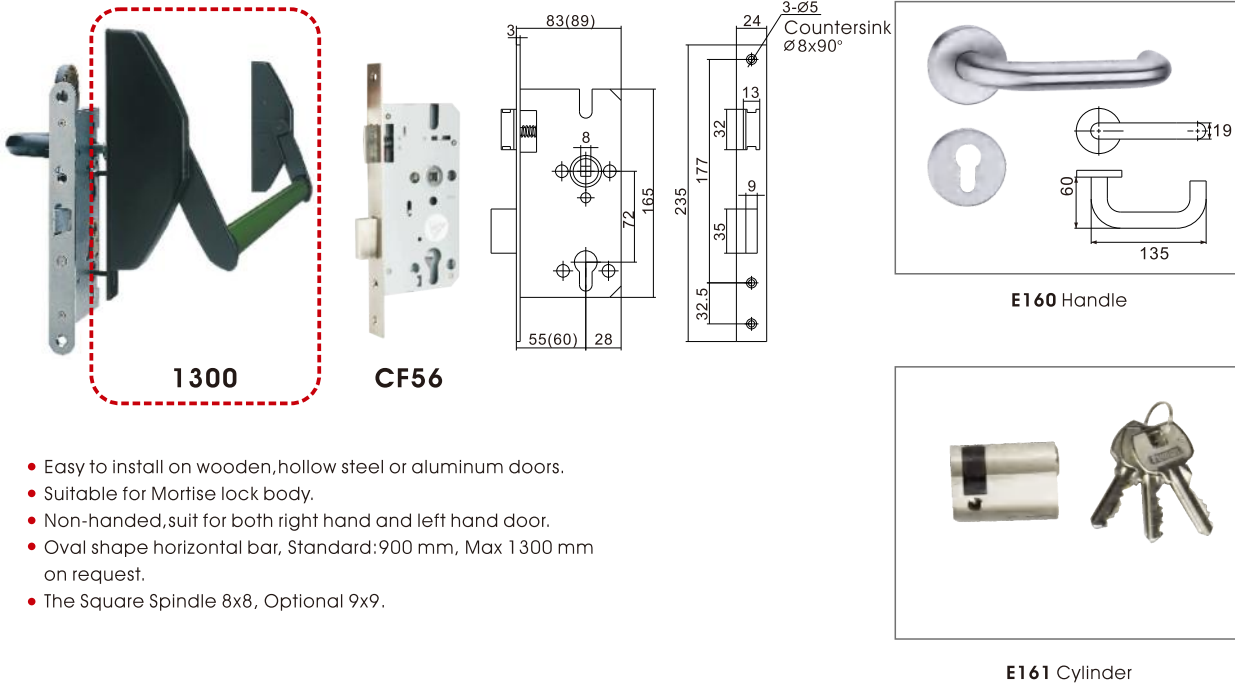


Panic Exit Device

CROSS BAR THREE POINTS TYPE 1330



CROSS BAR MORTISE TYPE 1300

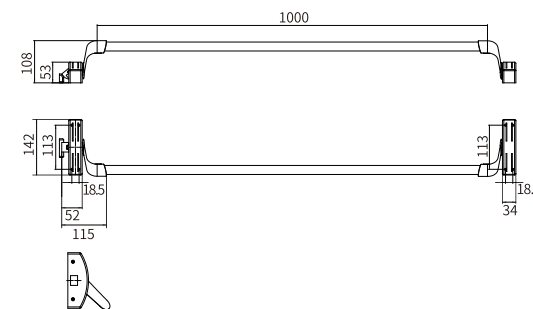


Panic Exit Device

CROSS BAR RIM TYPE 331



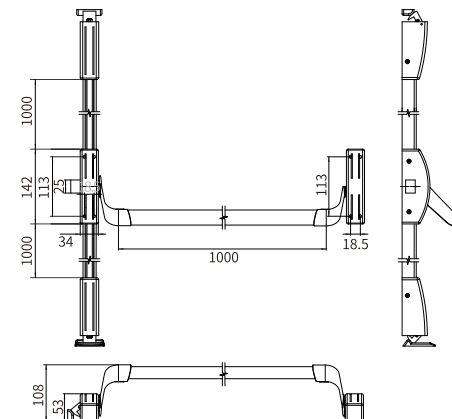
- Material: Metal and Zinc Alloy
- Non-handed
- Finish: Black Painted Body, Red Tube or Grey Body & Tube
- Tube Length: 1000mm
- Bolt: Zinc
- European Design, Rim Type*Popular on Narrow Width
- Alum-Frame Glass Door
- Fixed with #012 or #008 Outside Trim Lock



CROSS BAR VERTICAL TYPE 332



- Material: Metal and Zinc Alloy
- Non-handed
- Finish: Black Painted Body, Red Tube or Grey Body & Tube
- Tube Length: 1000mm
- Upper and Lower Tube: 1000mm
- Max Door Height: 2200mm
- Vertical Type, Two Lock Points.
- Popular on Narrow Width Alum-Frame Glass Door
- Fixed with #012 or #008 Outside Trim Lock
- Optional: Aluminum Extruded Sections Tube Cover

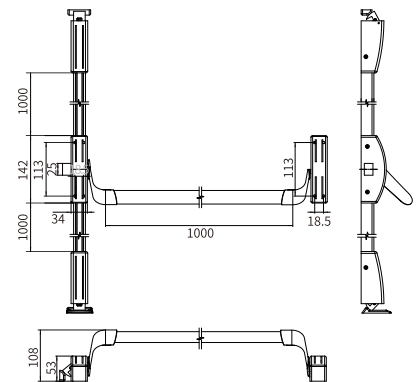


Panic Exit Device

CROSS BAR THREE POINTS LOCKING TYPE 333



- Material: Metal and Zinc Alloy
- Non-handed
- Finish: Black Painted Body, Red Tube or Grey Body & Tube
- Tube Length: 1000mm
- Upper and Lower Tube: 1000mm
- Max Door Height: 2200mm
- Bolt: Zinc
- Vertical Type, Three Lock Points.
- Popular on Narrow Width Alum-Frame Glass Door
- Fixed with #012 or #008 Outside Trim Lock
- Optional: Aluminum Extruded Sections Tube Cover

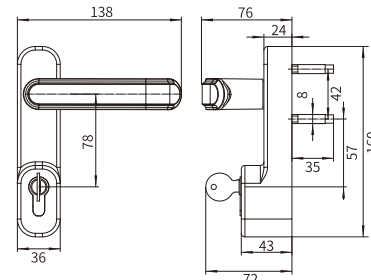


OUTSIDE TRIM LOCK FOR 330 SERIES

#012 LEVEL TRIM LOCK



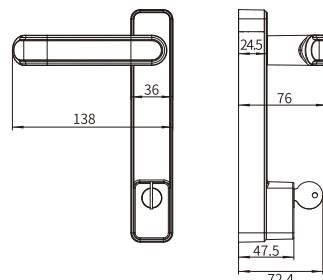
- Zinc Alloy Body
- Alum Level
- Cylinder Size: 40mm
- Brass Cylinder
- Three Brass Keys
- Max Door Thickness: 75mm
- Work with Cross Bar Panic Exit Device 331, 332 & 333



#008 LEVEL TRIM LOCK

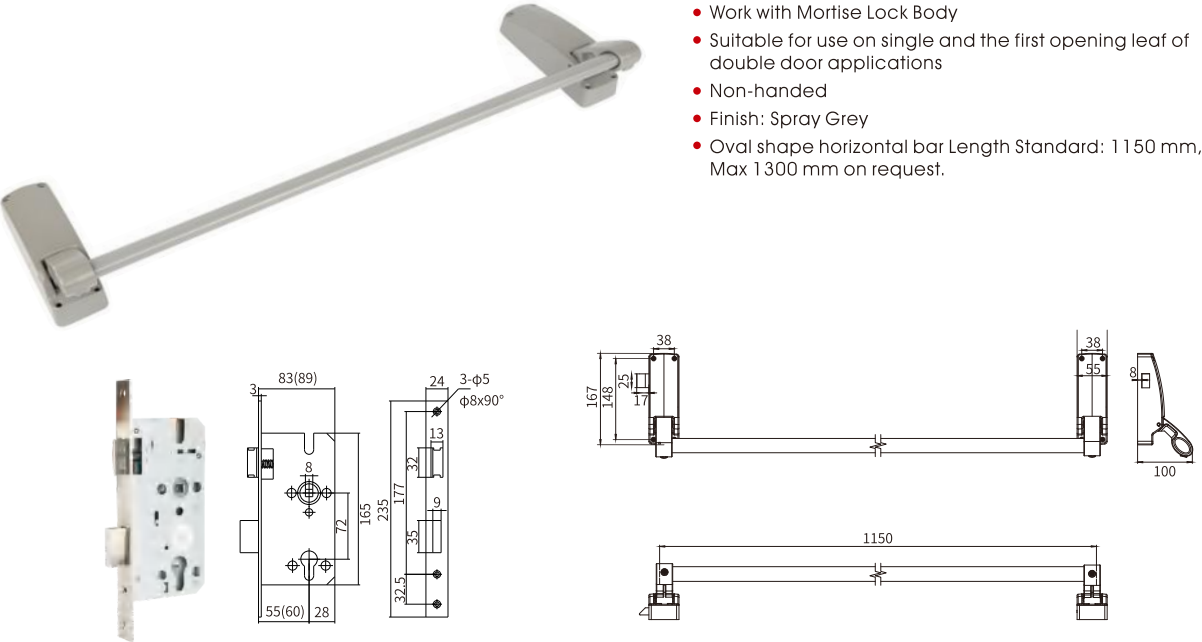


- Zinc Alloy Body
- Alum Level
- Cylinder Size: 40mm
- Brass Cylinder
- Three Brass Keys
- Clutch Function
- Max Door Thickness: 75mm
- Work with Cross Bar Panic Exit Device 331, 332 & 333

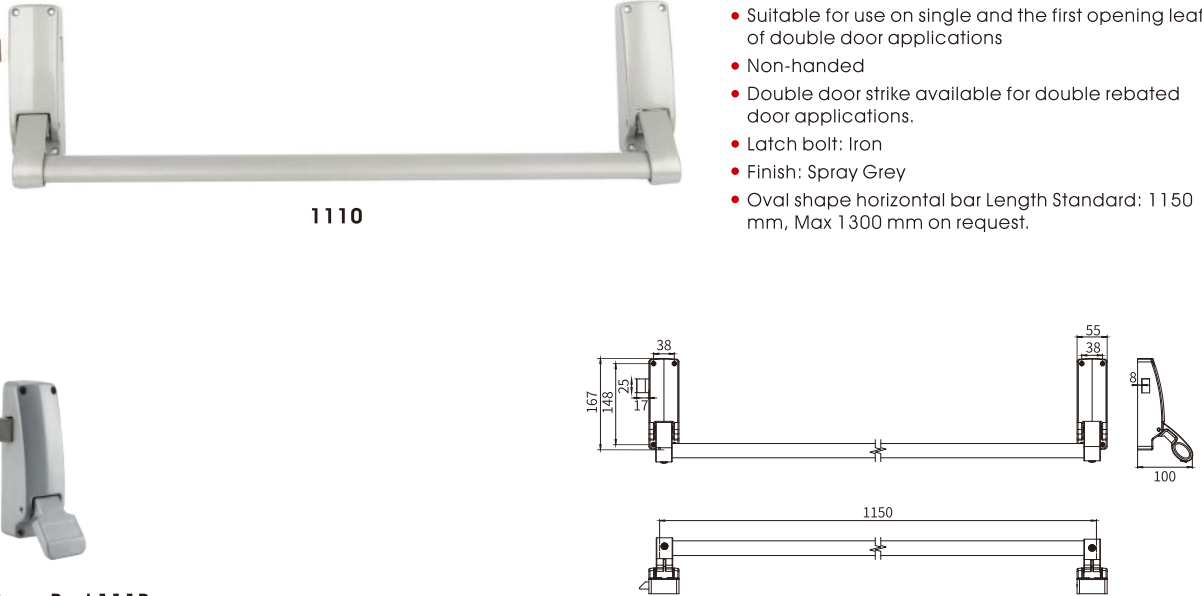


Panic Exit Device

CROSS BAR MORTISE TYPE 1100



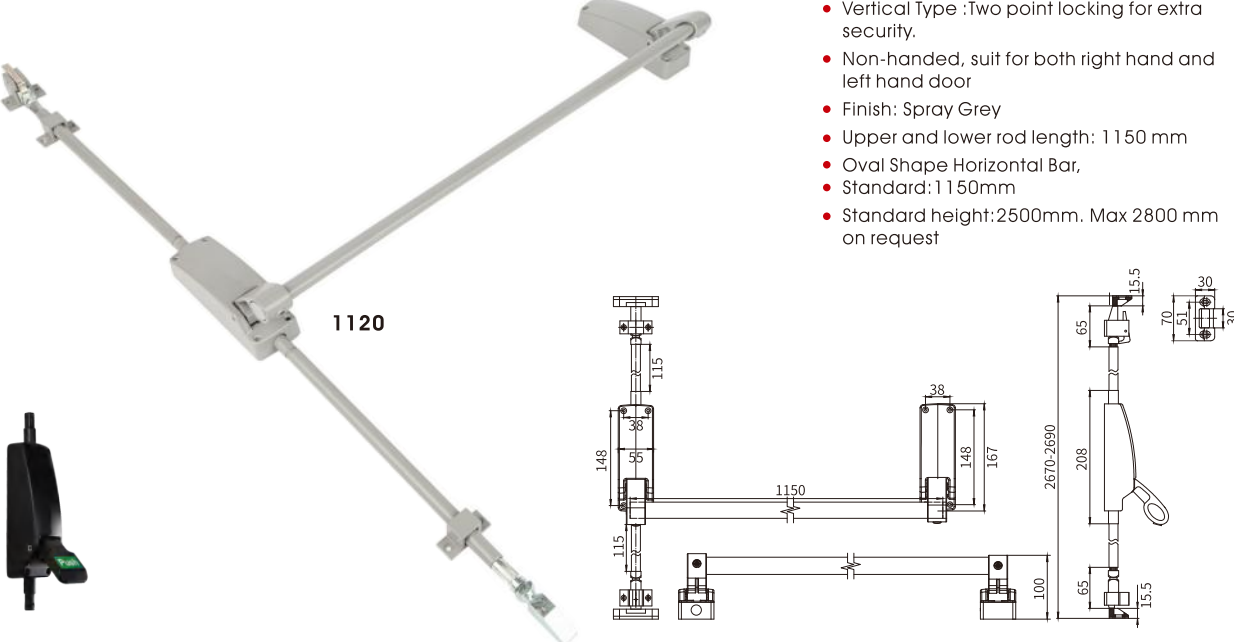
CROSS BAR RIM TYPE 1110



Cross Pad 111P

Panic Exit Device

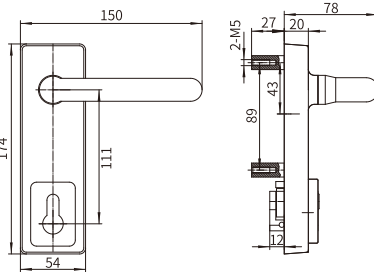
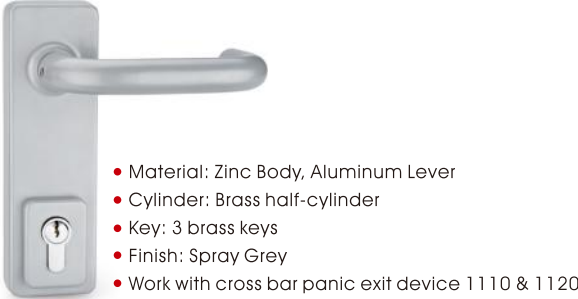
CROSS BAR VERTICAL TYPE 1120



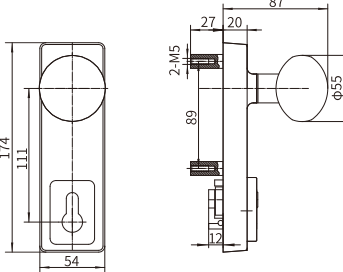
Cross Pad 112P

OUTSIDE TRIM LOCK FOR 1100 SERIES

011LE LEVER TRIM LOCK



011KE KNOB TRIM LOCK

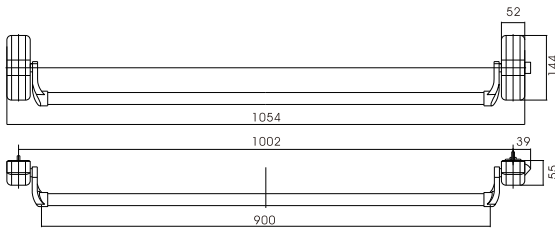


Panic Exit Device

CROSS BAR RIM TYPE DK350 SERIES



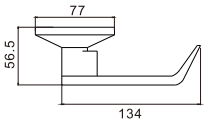
DK-350 SERIES(1 point)



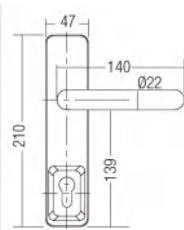
- Stainless Steel material, Esthetical design
- Slight pressure on device touch bar will retract latch for immediate exit
- A lateral lock point.Stainless Steel latch
- Non-handed,suit for LH or RH doors
- Oval shape horizontal bar.Standard:900mm
- DK-350P: Steel Material, Painting finish
- DK-350S: SS304 Stainless Steel



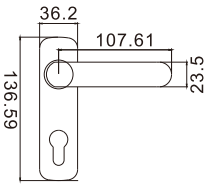
017-ES



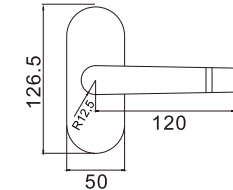
008E



019(Zinc Alloy)



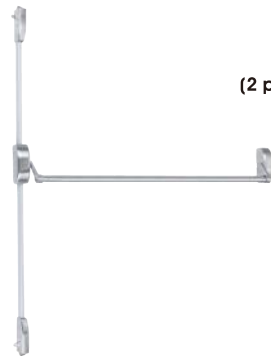
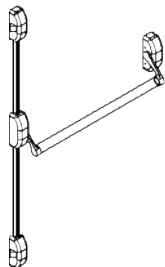
018-SS



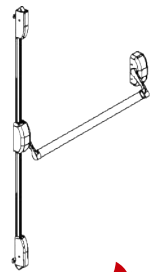
CROSS BAR VERTICAL TYPE DK360 SERIES



DK360-1
(2 point lock by one direction)



DK360-2
(2 point lock by two direction)

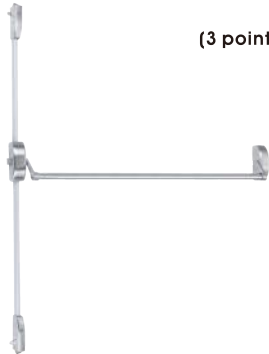
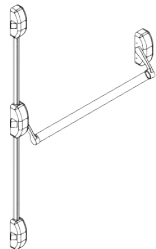


Panic Exit Device

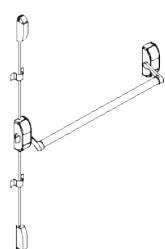
CROSS BAR THREE POINTS LOCK DK370 SERIES



DK370-1
(3 point lock by one direction)



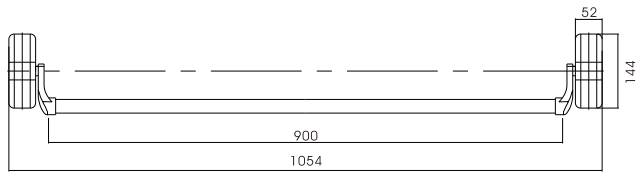
DK370-2
(3 point lock by three direction)



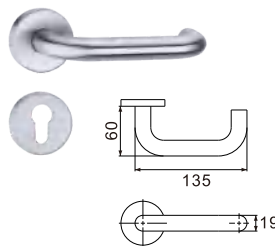
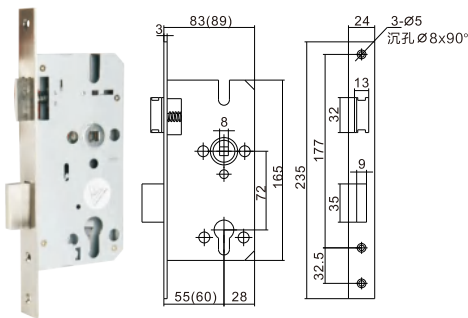
CROSS BAR MORTISE TYPE DK380 SERIES



DK 380(lock by mortise lock)



- Easy install on wooden, hollow steel doors
- Suitable for Mortise lock body CF56
- Non-Handed,suit for both right hand and Left hand door.
- Oval shap horizontal bar, Standard:900 MM
- The Square Spindle 8/8
- DK380S: Stainless Steel Material
- DK380P: Steel type, with painting color



E160 Handle

E161 Cylinder

Lockbody:CF56
5572SF (RF optional)
6072SF (RF optional)
Suit for DK-1300, DK380 type
Stainless Steel SS201 Material for Face plate,
Striking plate,Latch bolt, Dead bolt,
SS304 Optional

Work with lockbody CF56 & Panice Exit Device DK1300 or DK380

Panic Exit Device

TOUCH BAR RIM TYPE DK-1510 SERIES



ACCESSORIES



1510P Zinc Striker



1510S SS304 Striker



1510 Screws



1510P Plastic End Cap



1510S SS304 End Cap

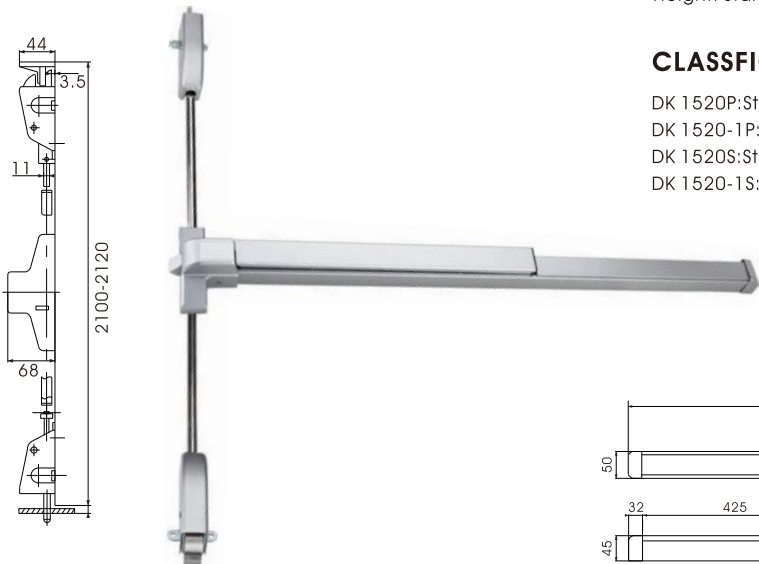


- Material: Steel or Stainless Steel
- Push Pad length: 500mm
- Body Length: 1045mm Standard, Could be Customized from Min. 650mm to Max 1300mm
- Customized from Min. 650mm to Max 1300mm
- Dogging Function
- Non-handed
- UL File no.: SA44785, Chinese domestic fire rated 1.5H

CLASSIFICATION:

DK 1510P: Steel, Painted, Half Length Push Pad
DK 1510-1P: Steel, Painted, Full Length Push Pad
DK 1510S: Stainless Steel, Half Length Push Pad
DK 1510-1S: Stainless Steel, Full Length Push Pad

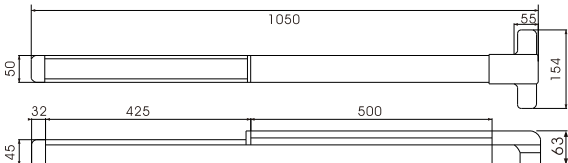
TOUCH BAR VERTICAL TYPE DK-1520 SERIES



- Non-handed, suit for both right hand and left hand door.
- Vertical type: Two point locking for extra security.
- Length: Standard 1045mm, could be customized
- Height: Standard 2100mm, could be customized

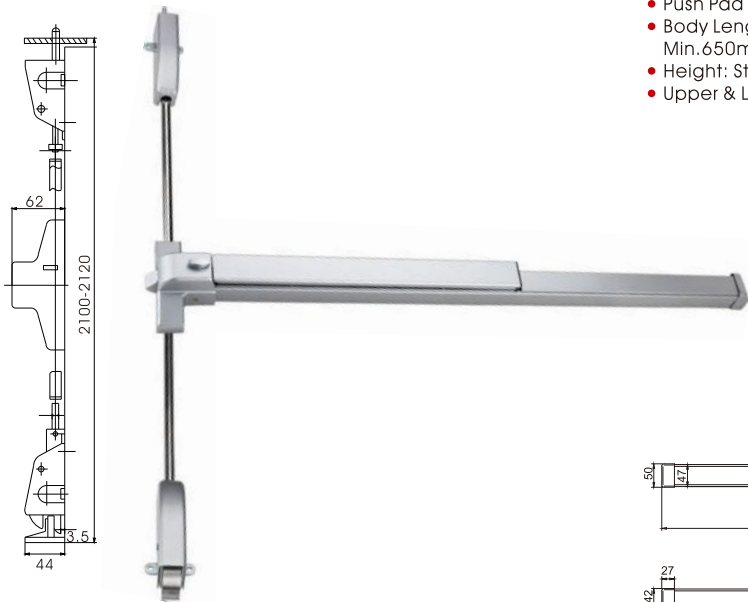
CLASSIFICATION:

DK 1520P: Steel, Painted, Half length push pad
DK 1520-1P: Steel, Painted, Full length push pad
DK 1520S: Stainless Steel, Half length push pad
DK 1520-1S: Stainless Steel, Full length push pad

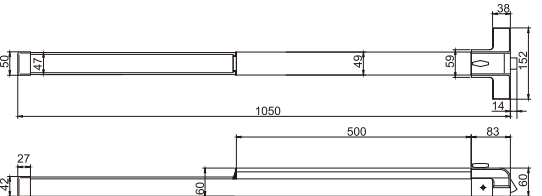


Panic Exit Device

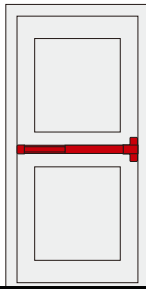
TOUCH BAR THREE POINTS TYPE DK-1530 SERIES



- Non-handed, suit for both right hand and left hand door
- Push Pad length: 500mm
- Body Length: 1045mm Standard, Could be Customized to Min. 650mm to Max 1300mm
- Height: Standard 2100mm, could be customized
- Upper & Lower Rod Length: Standard 900mm



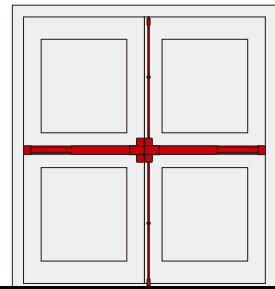
RIM TYPE & VERTICAL ROD TYPE EXIT DEVICES SELECTOR CHART



SINGLE DOOR

Vertical rod type or Rim type

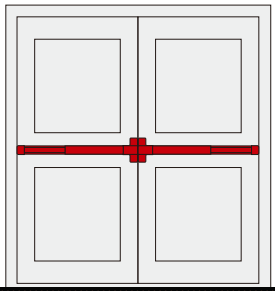
Surface applied 2 point lock surface application



PAIR OF DOORS WITHOUT MULLION

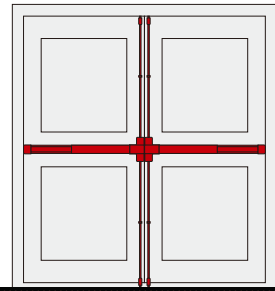
1 Vertical rod and 1 Rim type

Both devices are surface applied. A coordinator and overlapping strike is recommended



2 Rim type with mullion

Two independent active doors with full Double door openings when required. Same direction



PAIR OF DOORS WITHOUT MULLION

2 Vertical Rim type

Surface applied 2 point locking both doors. Each door active same direction. Do not use with overlapping astragal

Panic Exit Device

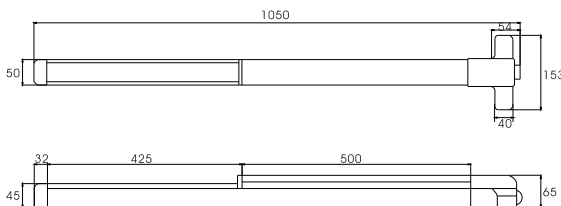
TOUCH BAR RIM TYPE UL500 SERIES



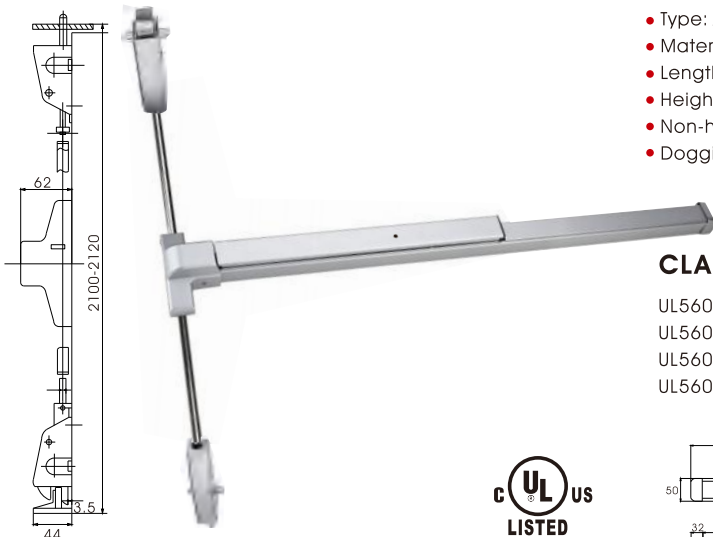
- Type: American Style, Push bar, Rim Type
- Dogging by furnished Allen Key
- Security Latch bolt
- Material: Steel or Stainless Steel
- Length: Standard 1045mm, could be customized
- Non-handed, for LH or RH doors

CLASSIFICATION:

UL500P: Steel, Painted, half length push rail. UL listed
UL500-1P: Steel, Painted, full length push rail. UL listed
UL500S: 304 Stainless Steel, half length push rail. UL listed
UL500-1S: 304 Stainless Steel, full length push rail. UL listed



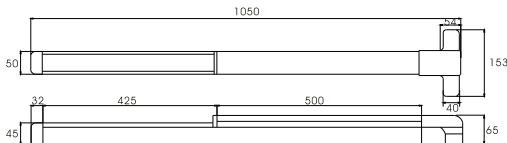
TOUCH BAR VERTICAL TYPE UL560 SERIES



- Type: American Style, Push bar, two locking points, UL listed.
- Material: Steel or Stainless Steel.
- Length: Standard 1045mm, could be customized.
- Height: Standard 2100mm, could be customized.
- Non-handed, for LH or RH doors.
- Dogging by furnished Allen Key.

CLASSIFICATION:

UL560P: Steel, Painted, half length push rail. UL listed
UL560-1P: Steel, Painted, full length push rail. UL listed
UL560S: 304 Stainless Steel, half length push rail. UL listed
UL560-1S: 304 Stainless Steel, full length push rail. UL listed

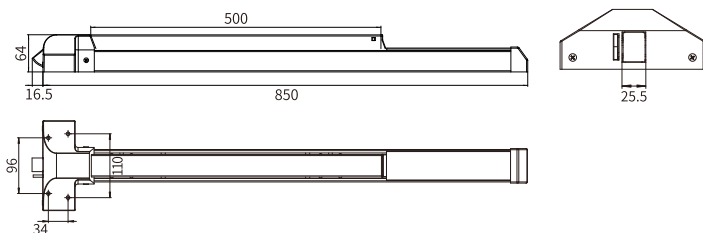


ACCESSORIES



Panic Exit Device

TOUCH BAR RIM TYPE 211 SERIES

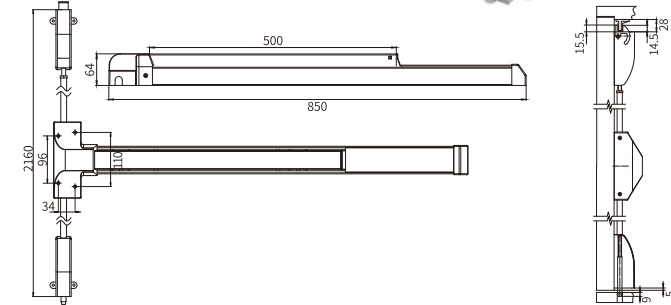


FEATURE

- Rim Bulky Type
- Security Latch bolt
- Touch Bar Length: 500mm
- Body Length: 850mm, Can be cutting to min 650mm
- EN1125, 196min Fire Rated, CE Certification
- 211P: Iron material, Silver Powder Painting, Color Optional
- 211S: Stainless Steel Material



TOUCH BAR VERTICAL TYPE 216 SERIES



FEATURE

- Vertical Bulky Type
- Touch Bar Length: 500mm
- Body Length: 850mm, Can be cutting to min 650mm
- Upper & Lower Rod : 900mm
- Max Door Height: 2160mm
- EN1125, 132min Fire Rated, CE Certification
- 216P: Iron material, Silver Powder Painting, Color Optional
- 216S: Stainless Steel Material

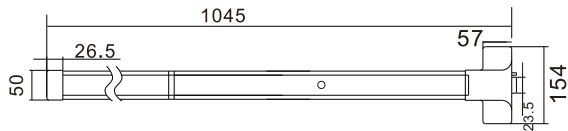


ACCESSORIES



Panic Exit Device

TOUCH BAR RIM TYPE UL600 SERIES

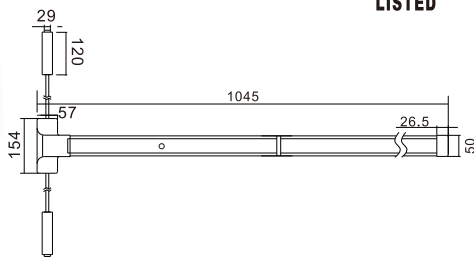
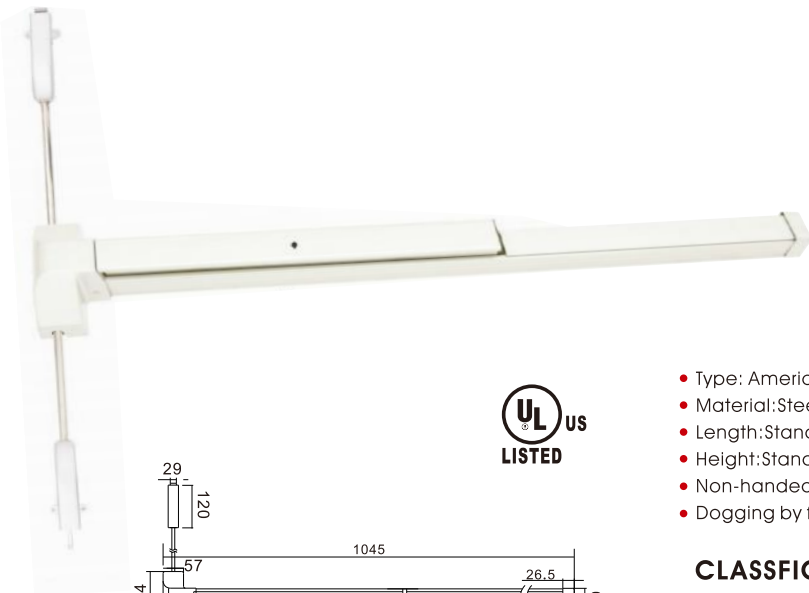


- Type: American Style, Push bar, Rim Type, UL listed.
- Material: Steel or Stainless Steel.
- Length: 1045mm Standard, could be customized.
- Non-handed, for LH or RH doors
- Dogging by furnished Allen Key

CLASSIFICATION:

UL600P: Steel, Painted, half length push rail. UL listed
UL600-1P: Steel, Painted, full length push rail. UL listed
UL600S: 304 Stainless Steel, half length push rail. UL listed
UL600-1S: 304 Stainless Steel, full length push rail. UL listed

TOUCH BAR VERTICAL TYPE UL660 SERIES



- Type: American Style, Push bar, two locking points, UL listed.
- Material: Steel or Stainless Steel.
- Length: Standard 1045mm, could be customized.
- Height: Standard 2100mm, could be customized.
- Non-handed, for LH or RH doors.
- Dogging by furnished Allen Key.

CLASSIFICATION:

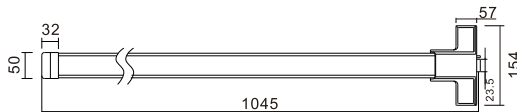
UL660P: Steel, Painted, half length push rail. UL listed
UL660-1P: Steel, Painted, full length push rail. UL listed
UL660S: 304 Stainless Steel, half length push rail. UL listed
UL660-1S: 304 Stainless Steel, full length push rail. UL listed

Panic Exit Device

TOUCH BAR RIM TYPE FIRE RATED F6000 SERIES



F6000-1S

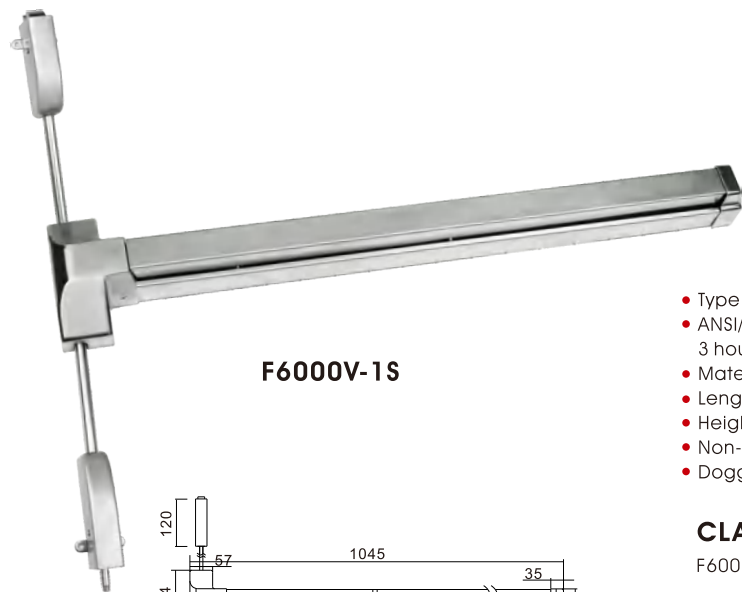


- Type: American Style, Push bar, Rim Type, UL listed.
- ANSI/BHMA Grade 1 Panic Exit Device.
- Material: Steel or Stainless Steel.
- Length: 1045mm Standard, could be customized.
- Non-handed, for LH or RH doors.
- Master Key System are available.

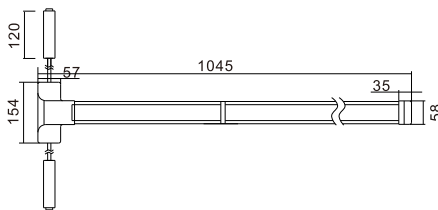
CLASSIFICATION:

F6000P: Steel Painted, half length push rail. UL listed, 3 Hours fire rated.
F6000-1P: Steel, Painted, full length push rail. UL listed, 3 Hours fire rated.
F6000S: 304 Stainless Steel, half length push rail. UL listed 3 Hours fire rated.
F6000-1S: 304 Stainless Steel, full length push rail. UL listed, 3 Hours fire rated.

TOUCH BAR VERTICAL TYPE FIRE RATED F6000V SERIES



F6000V-1S



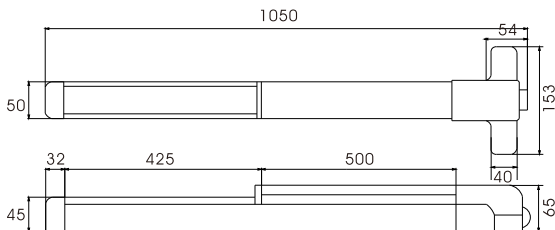
- Type: American Style, Push bar, two locking points, UL listed.
- ANSI/BHMA Grade 1 Panic Exit Device, confirm to UL 10C 3 hours fire test.
- Material: Steel or Stainless Steel.
- Length: Standard 1045mm, could be customized.
- Height: Standard 2100mm, could be customized.
- Non-handed, for LH or RH doors.
- Dogging by furnished Allen Key.

CLASSIFICATION:

F6000VP: Steel Painted, half length push rail. UL listed, 3 Hours fire rated.
F6000V-1P: Steel, Painted, full length push rail. UL listed, 3 Hours fire rated.
F6000VS: 304 Stainless Steel, half length push rail. UL listed 3 Hours fire rated.
F6000V-1S: Stainless Steel, full length push rail. UL listed, 3 Hours fire.

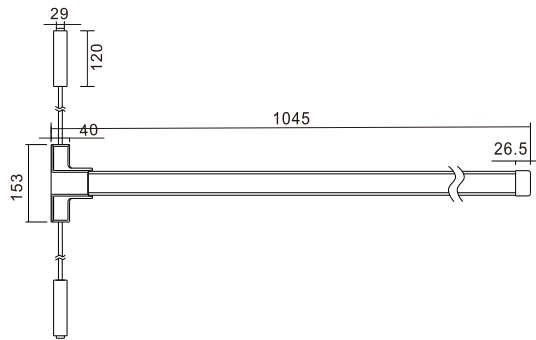
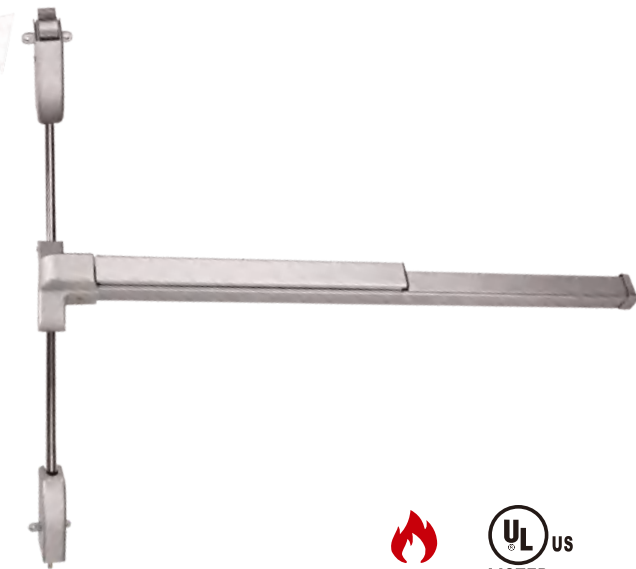
Panic Exit Device

TOUCH BAR RIM TYPE FIRE RATED 1710 (F5000) SERIES



- Type: American Style, Push bar, Rim Type, UL listed.
- ANSI/BHMA Grade 1 Panic Exit Device, confirm to UL 10C 3 hours fire test.
- Material: Steel or Stainless Steel.
- Length: 1045mm Standard, could be customized.
- Non-handed, for LH or RH doors.
- Master Key System are available.

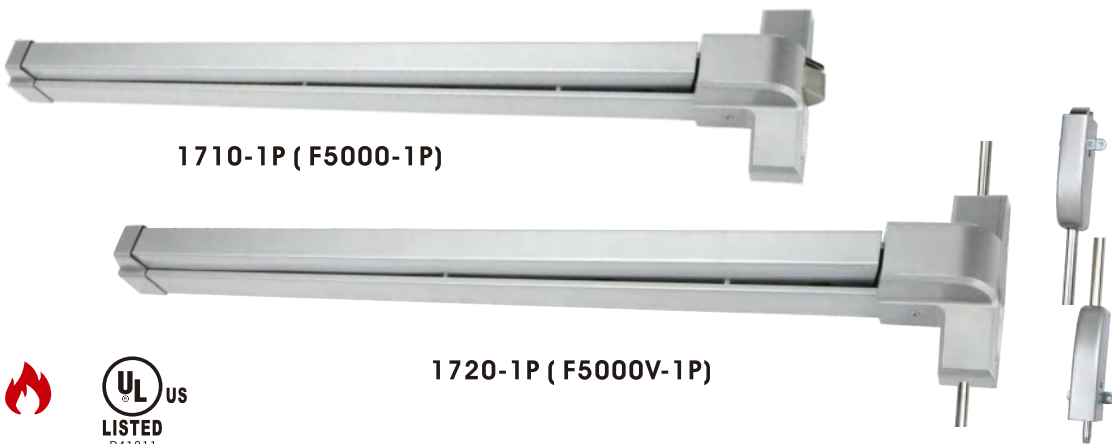
TOUCH BAR VERTICAL TYPE FIRE RATED 1720 (F5000V) SERIES



- Type: American Style, Push bar, two locking points, UL listed.
- ANSI/BHMA Grade 1 Panic Exit Device, confirm to UL 10C 3 hours fire test.
- Material: Steel or Stainless Steel.
- Length: Standard 1045mm, could be customized.
- Height: Standard 2100mm, could be customized.
- Non-handed, for LH or RH doors.

Panic Exit Device

TOUCH BAR FULL LENGTH PUSH PAD FIRE RATED 1710-1P (F5000-1P) SERIES



1710-1P (F5000-1P)

1720-1P (F5000V-1P)

TOUCH BAR RIM TYPE SMART ALARM 1910 SERIES

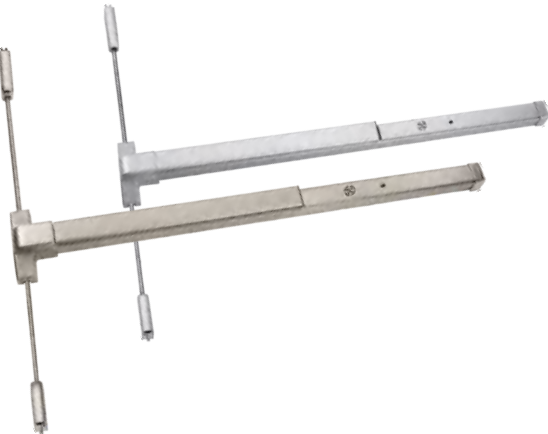


- Close by one point.
- Safety lock function.
- Exposure Type.
- Full length or Half length push bar.
- Different length according to the width of door.
- Different colors can be chosen.
- With smart alarm function.

CLASSIFICATION:

- 1910-P: Steel, half length push bar
- 1910-1P: Steel, full length push bar
- 1910-S: Stainless steel, half length push bar
- 1910-1S: Stainless steel, full length push bar

TOUCH BAR VERTICAL TYPE SMART ALARM 1920 SERIES



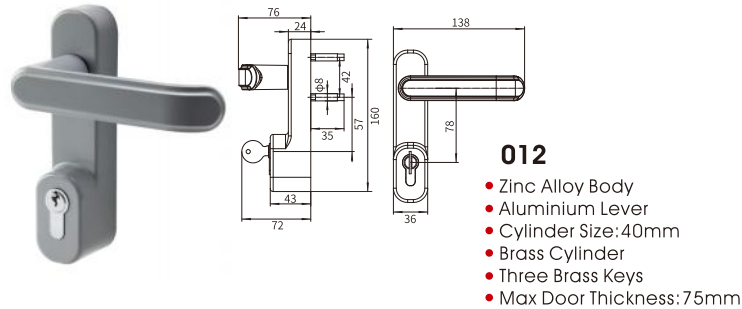
- Close by one point.
- Safety lock function.
- Exposure Type.
- Full length or Half length push bar.
- Different length according to the width of door.
- Different colors can be chosen.
- With smart alarm function.

CLASSIFICATION:

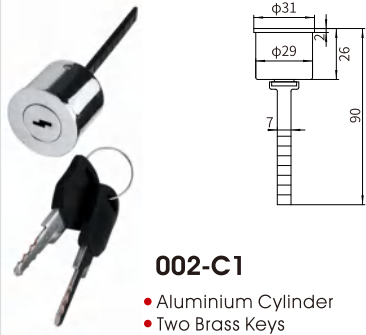
- 1920-P: Steel, half length push bar
- 1920-1P: Steel, full length push bar
- 1920-S: Stainless steel, half length push bar
- 1920-1S: Stainless steel, full length push bar

Panic Exit Device

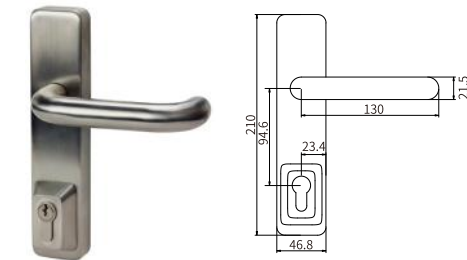
EXTERNAL TRIM LOCK FOR TOUCH BAR PANIC EXIT DEVICE



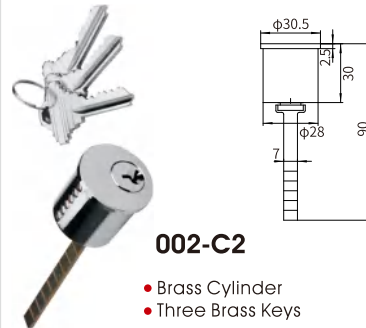
- 012**
- Zinc Alloy Body
 - Aluminium Lever
 - Cylinder Size: 40mm
 - Brass Cylinder
 - Three Brass Keys
 - Max Door Thickness: 75mm



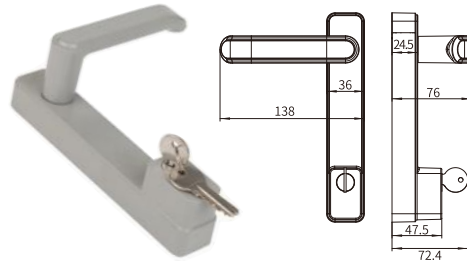
- 002-C1**
- Aluminium Cylinder
 - Two Brass Keys



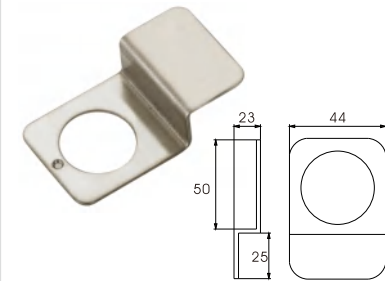
- 008ES**
- SS304 Body
 - SS304 Lever



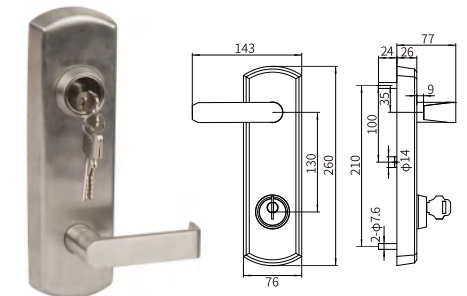
- 002-C2**
- Brass Cylinder
 - Three Brass Keys



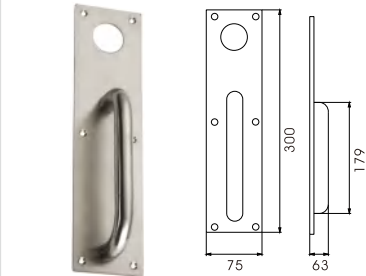
- DK-008**
- Zinc Alloy Body
 - Aluminium Lever
 - Cylinder Size: 40mm
 - Brass Cylinder
 - Three Brass Keys
 - Clutch Function
 - Max Door Thickness: 75mm



- 004**



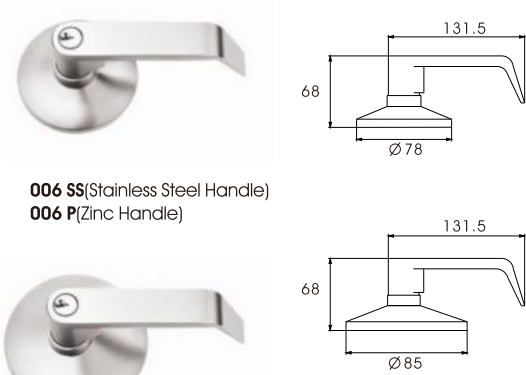
- 010**
- SS304 Die Casting Body
 - SS304 Die Casting Lever
 - Cylinder Size: 40mm
 - Brass Cylinder
 - Three Brass Keys
 - Clutch Function
 - Max Door Thickness: 75mm



- 001S(Stainless Steel) 001P(Steel, Painted)**

Panic Exit Device

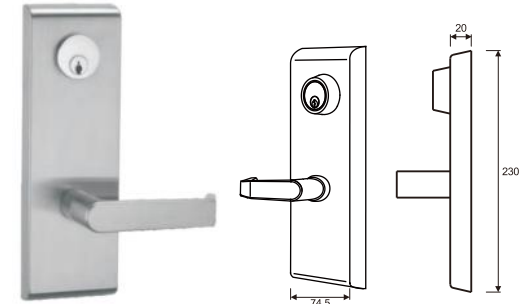
EXTERNAL TRIM LOCK FOR TOUCH BAR PANIC EXIT DEVICE



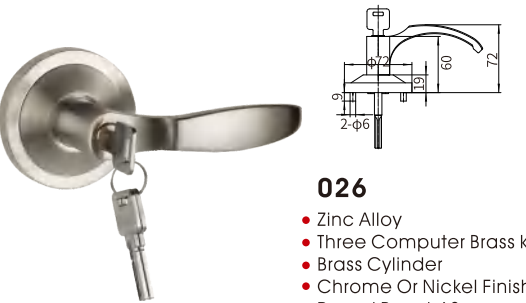
- 006 SS(Stainless Steel Handle)
006 P(Zinc Handle)**

- 006-85**

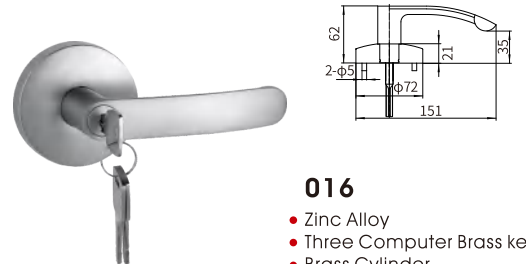
- Clutch Free Wheeling
- 006 SS(Stainless Steel Lever).
- 006 P(Zinc Handle, US26D Plated).
- Standard Classroom Function.
- Optional: Storeroom & Passge Function.
- Material: Zinc or Stainless Steel



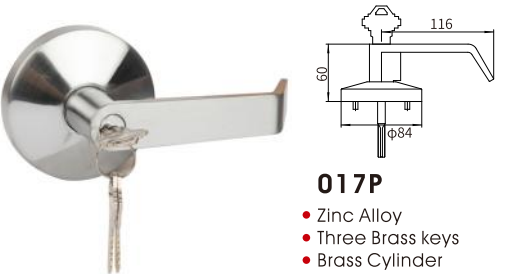
- 009**
- Heavy Duty Handle, Classroom Function - Outside lever locked and unlocked by Key.
 - Material: Stainless Steel
 - Finish: Satin Polish
 - Escutcheon Plate Width: 75mm
 - Escutcheon Plate Height: 230mm
 - Lever Projection: 51mm
 - Lever Length: 125mm
 - Lock Cylinder: Standard Schlage C Keyway
 - Supplied with 3 keys
 - ADA Compliant



- 026**
- Zinc Alloy
 - Three Computer Brass keys
 - Brass Cylinder
 - Chrome Or Nickel Finish
 - Round Panel: 68mm
 - Max Door Thickness: 55mm
 - Install Plate: Square



- 016**
- Zinc Alloy
 - Three Computer Brass keys
 - Brass Cylinder
 - Chrome Or Nickel Finish
 - Round Panel: 72mm
 - Max Door Thickness: 55mm
 - Install Plate: Round



- 017P**
- Zinc Alloy
 - Three Brass keys
 - Brass Cylinder
 - Shine Chrome
 - Round Panel: 84mm
 - Max Door Thickness: 55mm
 - Install Plate: Round



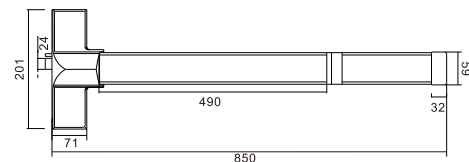
- 017S**
- Stainless Steel 304
 - Three Brass keys
 - SS Finish
 - Round Panel: 84mm
 - Max Door Thickness: 55mm
 - Install Plate: Round

Panic Exit Device

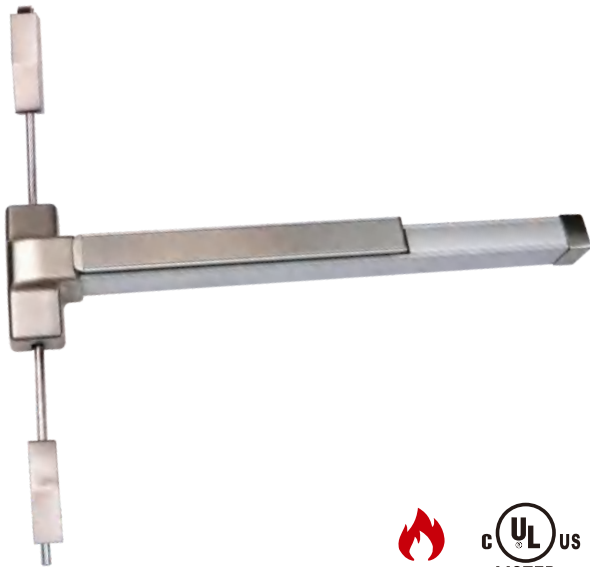
TOUCH BAR RIM TYPE FIRE RATED F8000 SERIES



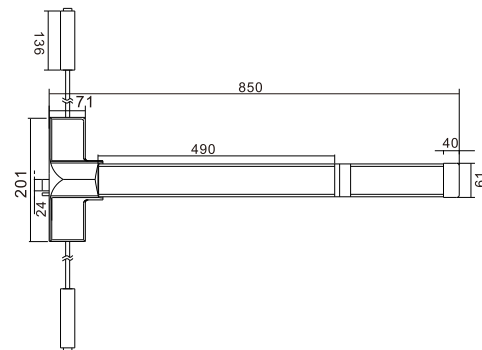
- Type: American Style, Push bar, Rim Type, UL listed.
- ANSI/BHMA Grade 1 Panic Exit Device, confirm to UL 10C 3 hours fire test.
- DK 8000-P: Extruded Alum Body, Alum push pad
- DK 8000-S: SS304 Stainless Steel Body & push pad
- Length: 800mm Standard, could be customized.
- Non-handed, for LH or RH doors.
- Master Key System are available.









TOUCH BAR VERTICAL TYPE FIRE RATED F8600 SERIES



- Type: American Style, Push bar, two locking points, UL listed.
- ANSI/BHMA Grade 1 Panic Exit Device, confirm to UL 10C 3 hours fire test
- DK 8600-P: Extruded Alum Body, Alum push pad
- DK 8600-S: SS304 Stainless Steel Body & push pad
- Length: 800mm Standard, could be customized
- Height: Standard 2100mm, could be customized
- Non-handed, for LH or RH doors



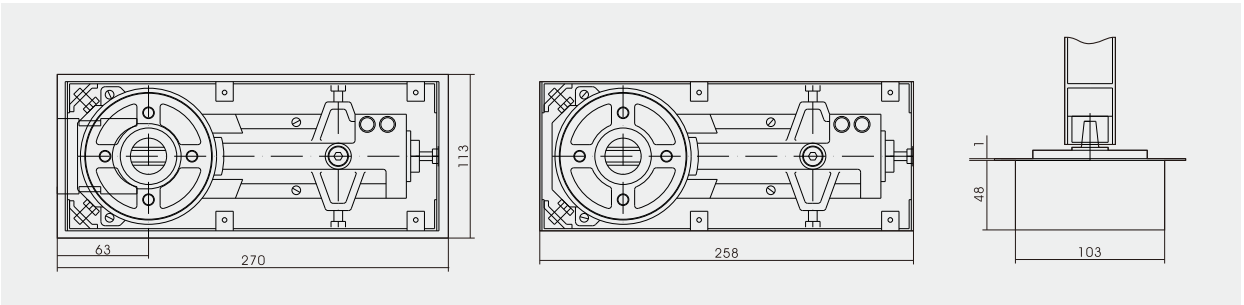
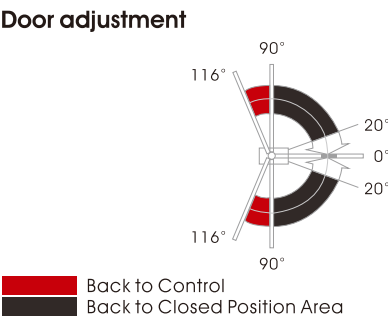
Door Operator

Model	1202	1807A	1207A	1207F01	1207F02	1808A	1808C
Picture							
Dimension (mm)	350*78*100	322*100*78	534*77*100			480*102*78	
Suit For Door Weight	15-120kgs	≤90kgs	≤90kgs	≤250kgs	≤150kgs	≤120kgs	≤80kgs
Applicable door width	550-1300mm	≤120mm	550-1200mm	≤1900mm	550-1500mm	≤1200mm	≤900mm
Hold open time	0-30s	0-30s	0-30s	0-60s		0-60s	
Opening speed	15 - 45°/s	15 - 45°/s	15 - 45°/s			15 - 45°/s	
Closing speed	15 - 45°/s	15 - 30°/s	15 - 30°/s			15 - 30°/s	
Opening angle	60-120°	90°	60-120°	60-250°		60-120°	
Pressure force	0-100% adjustable		0-100% adjustable			0-100% adjustable	
Power supply (input)	AC110V±10%,or AC220V±10% 50/60Hz		AC75V-250V 50/60Hz			AC110V±10%,or AC220V±10% 50/60Hz	
Power supply (output)	DC12V,0.5A		DC12V,0.75A			DC12V,0.5A	
LH/RH setting	switch set		switch set	programmer set		programmer set	
Control and adjust mode	Programmer	Switch	Switch	Programmer		Programmer	
Sensitivity adjustment of confronting obstacle	switch set	switch set	switch set	programmer set		programmer set	
Protection method of confronting obstacle	Reverse 30°	reserve/stop	reserve/stop	reserve/stop		reserve/stop	
Spring close feature	/	/	/	/	/	/	yes
Push & go function	ON/OFF, set by switch	/	ON/OFF, set by switch	ON/OFF, set by programmer		ON/OFF, set by programmer	
Fire linkage function	open	open	open	open/close, set by programmer		open	
Lock method	soft close	soft close	2 methods,switch set	2 methods,programmer set		soft close	
Electric lock control	yes		position control	intelligent control		intelligent control	
Double door interlocking	/	/	yes	yes	yes	/	/
Dual leaf doors synchronization function	/	/	/	yes	yes	yes	/
Door state output	/	/	yes	yes	yes	/	/
One way mode	/	/	/	programmer set	programmer set	/	/
Password protection function	/	/	/	programmer set	programmer set		
Onekey recovery	yes	/	/	yes	yes	yes	yes
Custom port	/	/	/	programmer set	programmer set	/	/
Door operator activation	1) remote 2) sensor 3) push button 4) others access control equipments						
Safety protection	Overload auto protection,impact force auto limited,closing force auto limited						

Single Cylinder floor spring

Technical Info & Function

Suit for Door Weight	Max 80kg
Suit for Door Width	700-900mm
Cement box dimension	258*103*48mm
Hold Open & Max Open	90°in both direction open.MaxOpen:116°
Closing and Latching angle	Closing:90°-20°,Latching:20°-0°
Closing speed adjustable	Yes.Two-stage speed adjustable
Door Install adjust range	±5mm adjustable,front&back,up&down
Suitable Temperature	Standard -35°~45°
Passed Durability Test	500,000cycles



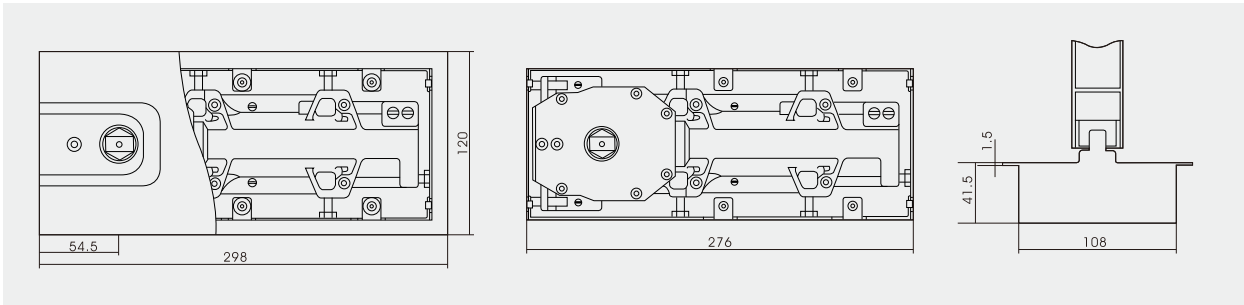
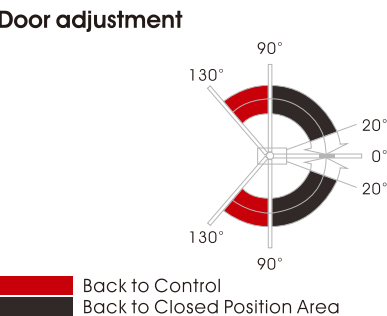
FR40A



Single Cylinder floor spring

Technical Info & Function

Suit for Door Weight	Max 80-100kg
Suit for Door Width	900-1000mm
Cement box dimension	276*108*40mm
Hold Open & Max Open	90°in both direction open.MaxOpen:130°
Closing and Latching angle	Closing:90°-20°,Latching:20°-0°
Closing speed adjustable	Yes.Two-stage speed adjustable
Door Install adjust range	±5mm adjustable,front&back,up&down
Suitable Temperature	Standard -35°~45°
Passed Durability Test	500,000cycles



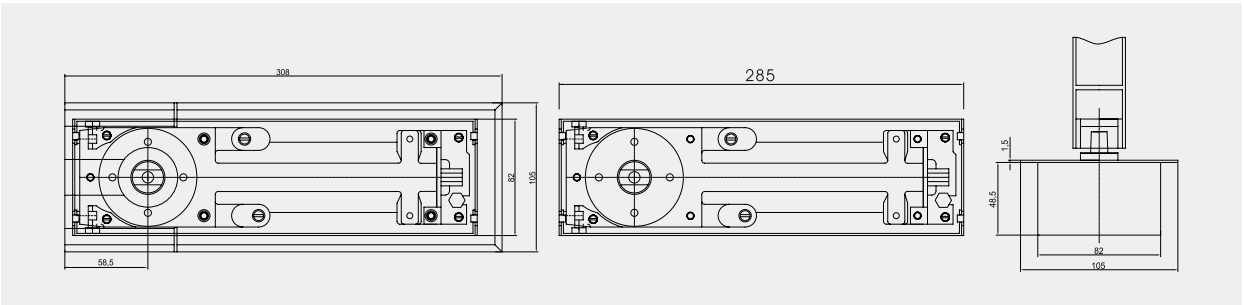
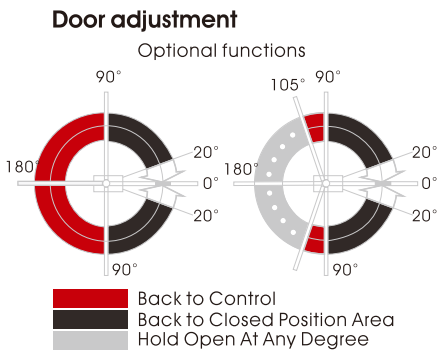
FR50A



Single Cylinder floor spring

Technical Info & Function

Suit for Door Weight	Max 60-150kg
Suit for Door Width	600-1100mm
Cement box dimension	285*82*48.5mm
Hold Open & Max Open	90°±105°any position in both direction open.Max:360°
Closing and Latching angle	Closing: 90°-20°, Latching:20°-0°
Closing speed adjustable	Yes. Two-stage speed adjustable
Power adjustable	Yes.Closing force Adjustable from EN2 to EN4
Door Install adjust range	±5mm adjustable,front & back,up&down
Suitable Temperature	Standard -35°~45°
Passed Durability Test	500,000cycles



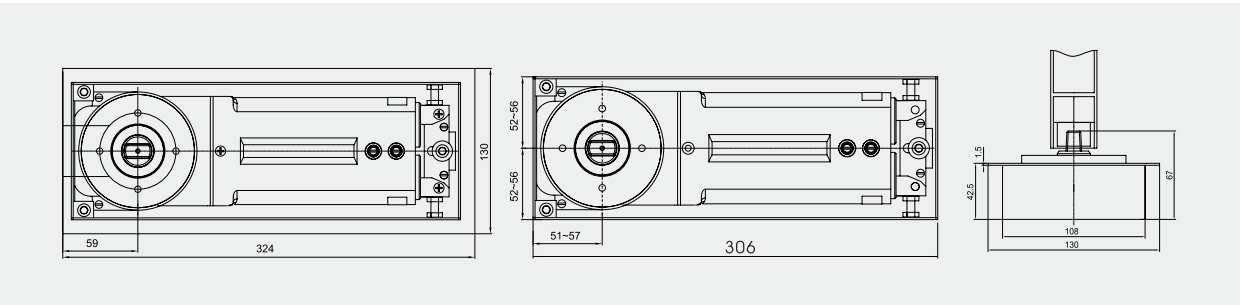
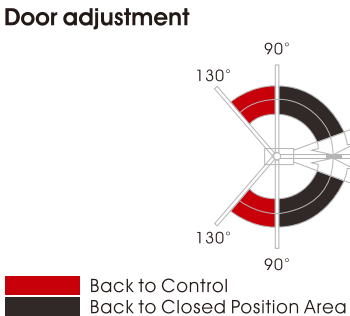
FR75V



Double Cylinder floor spring

Technical Info & Function

Suit for Door Weight	Max 100-150kg
Suit for Door Width	900-1250mm
Cement box dimension	306*108*41mm
Hold Open & Max Open	90°in both direction open.Max:130°
Closing and Latching angle	Closing:90°-20°, Latching:20°-0°
Closing speed adjustable	Yes.Two-stage speed adjustable
Door Install adjust range	±5mm adjustable,front&back,up&down
Suitable Temperature	Standard -35°~45°
Passed Durability Test	500,000cycles



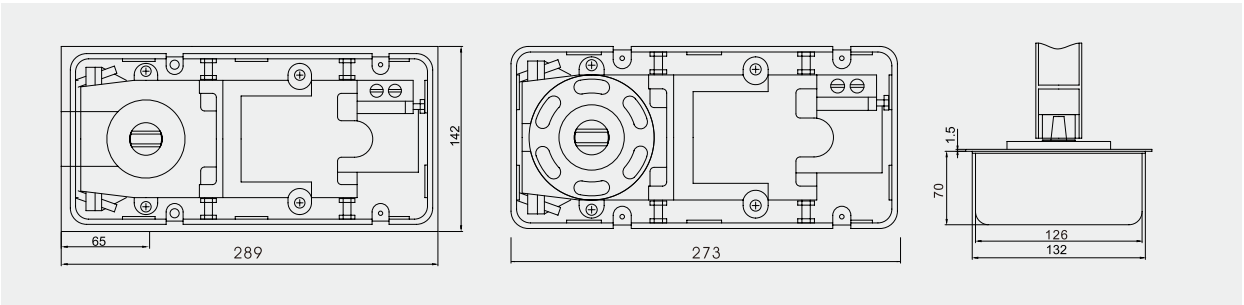
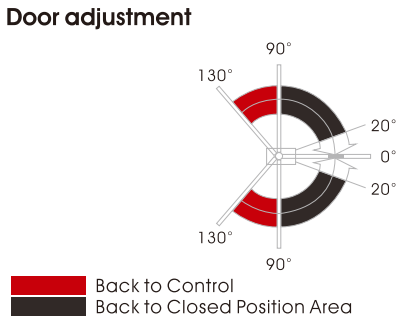
FR84



Single Cylinder floor spring

Technical Info & Function

Suit for Door Weight	Max 150kg
Suit for Door Width	1000-1250mm
Cement box dimension	273*126*70mm
Hold Open & Max Open	90° & 135° in both direction open. Max: 135°
Closing and Latching angle	Closing: 90°-20°, Latching: 20°-0°
Closing speed adjustable	Yes. Two-stage speed adjustable
Door Install adjust range	±5mm adjustable, front&back, up&down
Suitable Temperature	Standard -35°~45°
Passed Durability Test	500,000cycles



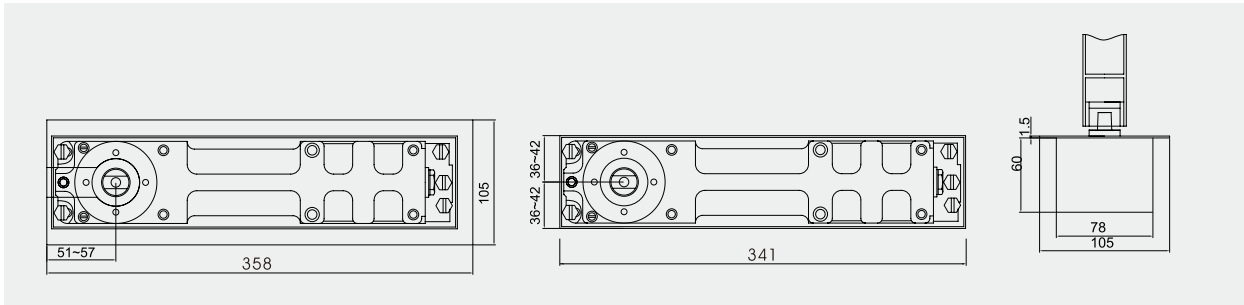
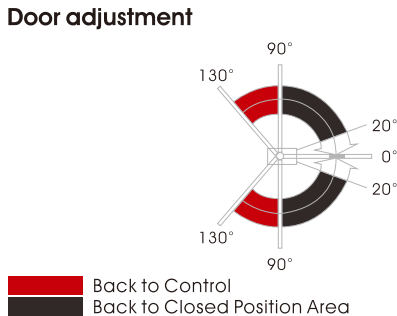
FR7300



Single Cylinder floor spring

Technical Info & Function

Suit for Door Weight	Max 300kg
Suit for Door Width	1500-3500mm
Cement box dimension	341*78*60mm
Hold Open & Max Open	90° & 135° in both direction open. Max: 360°
Closing and Latching angle	Closing: 90°-20°, Latching: 20°-0°
Closing speed adjustable	Yes. Two-stage speed adjustable
Door Install adjust range	±5mm adjustable, front&back, up&down
Suitable Temperature	Standard -35°~45°
Passed Durability Test	500,000cycles



FRTS80



Electromagnetic Locks



OB280H Series



OB280F Series



OB280T Series

	OB280H	OB280HA	OB280HB	OB280F	OB280FA	OB280T	OB280TA	OB280TB
Operating Voltage	12VDC(24VDC upon request)							
Working current	400mA					400mA*2		
Operating temperature	-25 ℃~60 ℃							
Working humidity	10%~90%RH							
Way of unlock	Power off to unlock							
Installation method	Hanging installation			Mortise installation		Hanging installation		
Holding Force	280KG					280KG*2		
Door opening angle	90°			/		90°		
Panel material	High strength aluminum alloy							
Finish	Oxidation & brushed finishing							
Signal feedback	no	yes	yes	no	yes	no	yes	yes
Indicator light	yes	yes	yes	yes	yes	yes	yes	yes
Delay adjustment	no		0-10s	no		no		0-10s
Standard sizes	238*47*27 mm			260*42*27 mm		476*47*27 mm		
Scope of application	Wooden door, Glass door, Metal door							

Electromagnetic Locks



CK280H Series



CK280F Series



CK280T Series

	CK280H	CK280HA	CK280HB	CK280F	CK280FA	CK280T	CK280TA	CK280TB
Operating Voltage	12VDC(24VDC upon request)							
Working current	400mA					400mA*2		
Operating temperature	-25 ℃~60 ℃							
Working humidity	10%~90%RH							
Way of unlock	Power off to unlock							
Installation method	Hanging installation			Mortise installation		Hanging installation		
Holding Force	230KG				230KG*2			
Door opening angle	90°			/		90°		
Panel material	High strength aluminum alloy							
Finish	Oxidation & brushed finishing							
Signal feedback	no	yes	yes	no	yes	no	yes	yes
Indicator light	yes	yes	yes	yes	yes	yes	yes	yes
Delay adjustment	no		0-10s	no		no		0-10s
Standard sizes	250*47*27 mm			260*42*27 mm		500*47*27 mm		
Scope of application	Wooden door, Glass door, Metal door							

Electromagnetic Locks



OB350H Series

OB350T Series

	OB350H	OB350HA	OB350HB	OB350T	OB350TA	OB350TB
Operating Voltage	12VDC(24VDC upon request)					
Working current	400mA			400mA*2		
Operating temperature	-25 ℃~60 ℃					
Working humidity	10%~90%RH					
Way of unlock	Power off to unlock					
Installation method	Hanging installation (Surface installation)					
Holding Force	350KG			350KG*2		
Door opening angle	90°					
Panel material	High strength aluminum alloy					
Finish	Oxidation & brushed finishing					
Signal feedback	no	yes	yes	no	yes	yes
Indicator light	yes	yes	yes	yes	yes	yes
Delay adjustment	no		0-10s	no		0-10s
Standard sizes	238*53*29 mm			476*53*29 mm		
Scope of application	Wooden door, Glass door, Metal door					

Electromagnetic Locks



OB500H Series

OB500T Series

	OB500H	OB500HA	OB500T	OB500TA
Operating Voltage	12VDC or 24VCD			
Working current	12V/450mA or 24V/230mA		12V/450mA or 24V/230mA	
Operating temperature	-25 ℃~60 ℃			
Working humidity	10%~90%RH			
Way of unlock	Power off to unlock			
Installation method	Hanging installation (Surface installation)			
Holding Force	500KG		500KG*2	
Door opening angle	90°			
Panel material	High strength aluminum alloy			
Finish	Oxidation & brushed finishing			
Signal feedback	no	yes	no	yes
Indicator light	yes			
Delay adjustment	no			
Standard sizes	267*73*42 mm		534*73*42 mm	
Scope of application	Wooden door, Glass door, Metal door			

Electromagnetic Locks

Electromagnetic Locks



OB180H Series OB180F Series OB180T Series OB280HW (Waterproof) OB60H Series



L & Z Type Install Bracket

Suit type	Material	Door opening angle	Finish		
180KG, 280KG, 500KG	High strength aluminum alloy	90°	Oxidation & brushed finishing		
L180H SIZE	L280H SIZE	L230H SIZE	L350H SIZE		
174*27*41.5mm	238*32*48mm	250*29*48mm	238*32.5*54mm		
L280HW(Waterproof) SIZE	L500H SIZE	Z180H SIZE	Z280H SIZE	Z230H SIZE	Z500H SIZE
228*32*52mm	267*46*73mm	150*51*41.5mm	160*50*50mm	180*46*46mm	185*67*51mm

	OB180H	OB180F	OB180T	OB280HW (Waterproof)	OB60H
Operating Voltage	12VDC(24VDC upon request)				
Working current	300mA		300mA*2	400mA	130mA
Operating temperature	-25℃～60℃				
Working humidity	10%～90%RH				
Way of unlock	Power off to unlock				
Installation method	Hanging installation (Surface installation)				
Holding Force	180KG		180KG*2	280KG	60KG
Door opening angle	90°				
Panel material	High strength aluminum alloy			304 Stainless Steel Shell	/
Finish	Oxidation & brushed finishing			brushed finishing	/
Signal feedback	no (Output of the status signal upon request)				
Delay adjustment	no				
Standard sizes	174*41*23.5 mm	206*36*23.5 mm	348*41*23.5 mm	228*52*28 mm	85*27*20 mm
Scope of application	Wooden door, Glass door, Metal door				



U Type Glass Door Install Bracket

Suit type	180KG, 280KG, 500KG
Material	High strength aluminum alloy
Door opening angle	90°
Finish	Oxidation & brushed finishing
Scope of application	Frameless glass door
Glass Thickness	10-15 mm
U180 SIZE	125*28*46mm
U280 SIZE	160*28*46mm
U230 SIZE	180*25.5*40mm
U500 SIZE	185*28*60mm

Single Door Keypad



OB-K31

OB-K31 Metal Standalone Access Controller

	OB-K31
Working Voltage	DC12V
Electrostatic current	<40mA
Working temperature	-30℃~65℃
Working humidity	10%~90%RH
User capacity	1000
Card issuing equipment	Keyboard management, card issuing
open mode	Proximity card, password, proximity card + password
Card type	125KHZ EM4001 and compatible cards
Shell material	Zinc alloy frame, cover PMMA
Card reading distance	1 - 6cm
Size	120*76*27mm



OB-K33

OB-K33 Single Door Access Control Machine

	OB-K33
Working Voltage	DC12V
Electrostatic current	<60mA
Working temperature	-20℃~60℃
Working humidity	10%~90%RH
User capacity	1000
Password capacity	1000
open mode	Proximity card, password, proximity card + password
Card type	125KHZ EM4001 and compatible cards
Card reading distance	1 - 15 cm
Size	120*78*22 mm



OB-K36

OB-K36 Touch Button Control machine

	OB-K36
Working Voltage	DC12V
Electrostatic current	<30mA
Working temperature	-40℃~60℃
Working humidity	10%~90%RH
User capacity	2000
Password capacity	2000
open mode	Proximity card, password, proximity card + password
Card type	125KHZ EM4001 and compatible cards
External reader	can be connected to a WG reader
Card reading distance	1 - 6cm
Size	114*75*17mm

Electric Bolt Lock



OB-10

	OB-10
Working Voltage	12VDC(24VDC upon request)
Sustained current	450mA
Working humidity	10%~90%RH
Way to work	Power cuts open the lock
Time delay function	no
Scope of application	Glass doors, wooden doors, metal doors, fire doors
Starting current	450mA
Working temperature	-20~55
Sensing distance	≥ 10mm
Open Angle	180°
Signal Output	no
Locking procedures	15mm
Product Size	203*34*40mm



OB-12

	OB-12
Working Voltage	12VDC ~ 24VDC
Sustained current	12V 100mA/24V 60mA
Working humidity	10%~90%RH
Way to work	Power cuts open the lock
Time delay function	0s, 2.5s, 5s, 8s
Scope of application	Glass doors, wooden doors, metal doors, fire doors
Starting current	12V 1000mA/24V 600mA
Working temperature	-20~55
Sensing distance	≥ 10mm
Open Angle	180°
Signal Output	Output of the status signal
Locking procedures	15mm
Product Size	203*34*40mm



OB-13

	OB-13
Working Voltage	12VDC ~ 24VDC
Sustained current	DC12V/0.21A,DC24V/0.12A
Working humidity	10%~90%RH
Way to work	Power on open the lock
Time delay function	0s, 2.5s, 5s, 8s
Scope of application	Glass doors, wooden doors, metal doors, fire doors
Starting current	DC12V/1A,DC24V/0.65A
Working temperature	-20~55
Sensing distance	≥ 10mm
Open door with Key	Yes
Open Angle	180°
Signal Output	Output of the status signal
Locking procedures	15mm
Product Size	250*30*36.5mm

Electric Cabinet Lock



OB-15



OB-16

	OB-15	OB-16
Working Voltage	12VDC(24VDC upon request)	
Working current	0.9A	
Output power	10.8W	
Working humidity	10%~90%RH	
Unlocking time	1s, continuous energization allowed ≤ 10s	
Energized form	Intermittent	
Locking procedures	10mm	
Working temperature	-40~50	
Application range	A variety of warp drive occasions.Such as lockers, safes, deposit boxes	
Product Size	65*38*28mm	70*38*28mm

Electric Strike



OB-SK20 Series



OB-SK21 Series



OB-SK22 Series



OB-SK23 Series

	OB-SK20	OB-SK21	OB-SK22	OB-SK23
Frame Size	150*28*3mm	150*40*3mm	200*28*3mm	250*28*3mm
Body Size	150*28*35mm	150*40*35mm	200*40*35mm	250*28*35mm
Working voltage	12VDC(24VDC upon request)			
Working current	250mA for power-off unlocking			
Feature	500mA for power-off locking			
Ambient temperature	-20℃~50℃			
Pressure resistance	400KG			

Power Supply



OB-P56



OB-P53 & OB-P55



OB-P52

	OB-P56	OB-P55	OB-P52	OB-P53
Input Voltage	90-240VAC	220VAC		
Output Voltage	12VDC			
Output Current	5A			3A
Working temperature	-25℃～60℃			
Working humidity	10%～90%RH			
Delay time	0～30s	0～60s	0～15s	0～60s
Output contact	Access control, electric lock, switch button contact			
Security Protection	Built-in fuse overload and short circuit protection			
Application range	Suitable for access control controller and electric lock			
Storage Battery	/		Connectable to 12V7AH battery	/
Product Size	130*67*38mm	184*81*63mm	215*165*70mm	184*81*63mm

Door Holder

OB-M159W Series For Glass Door



OB-M159W

	OB-M159W
Working voltage	DC12V
Working temperature	-25℃~60℃
Holding Force	60KG
Emergency devices	With emergency switch device
Working method	Power cuts open the lock
Body Size	69*65*128mm wall suction 85*65*102mm floor suction
Working current	180mA
Working humidity	10%~90%RH
Installation type	Adjustable wall mounting, floor mounting
Application range	Various single-opening or double-opening smoke barriers
Magnetic signals	Can be customized
Strike plate size	69*65*52mm



OB-M159G

OB-M159G Series For Glass Door

	OB-M159G
Working voltage	DC12V
Working temperature	-25℃~60℃
Holding Force	60KG
Emergency devices	With emergency switch device
Working method	Power cuts open the lock
Body Size	69*65*128mm wall suction 85*65*102mm floor suction
Working current	180mA
Working humidity	10%~90%RH
Installation type	Adjustable wall mounting, floor mounting
Application range	Various single-opening or double-opening smoke barriers
Magnetic signals	Can be customized
Strike plate size	72*30,5*109,5mm



BTG300

BTG300 Series For Glass Door

	BTG300
Product material	Stainless steel brushed
Application range	Fully frameless glass door
Matching Products	Various brands of electric plug locks
Requirements for rejection joints	≥5mm
Glass thickness	10~12mm
Direction of opening	90° or 180° bi-directional opening
Product Size	210*58*45mm

Bolt Lock Bracket



BTG100



BTG200

	BTG100	BTG200
Product material	Aluminum alloy	Stainless steel brushed
Application range	The lower frameless glass is used exclusively	
Matching Products	Various brands of electric plug locks	
Requirements for rejection joints	≥8mm	≥5mm
Glass thickness	10~12mm	
Direction of opening	90° or 180° bi-directional opening	
Product Size	80*47*27mm	93*47*38mm

Exit Button



EB-02



EB-05



EB-04



EB-07

	EB-02	EB-04	EB-05	EB-07
Working voltage	≤36VDC			
Load current	1A			
Working temperature	-30℃～60℃			
Working humidity	10%～90%RH			
Switch Type	Normally open type not self-locking			
Faceplate material	Stainless steel brushed	Plastic faceplate	Stainless steel brushed	
Usage life	550,000 times			
Application range	Suitable for use with the Royal Family			
IR detection	X			Y
Sensing distance	X	X	X	0.1-20cm
Product Size	118*39*28mm	86*86*28mm	86*86*28mm	86*86*38mm