



DOOR CLOSER
PANIC EXIT DEVICE
FLOOR SPRING
ELECTRIC LOCK

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WWW.OUBAO.COM





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CHINA OUBAO



OUBAO, was established in 1987, focused on door control products more than 38 years.

The company covers an area of 106,000 square meters, as well as a floor space of 150,000 square meters, 500 employees, with an annual output of 6 million door closers and 1 million locksets, OUBAO manufacture door control products in strict accordance with the American standard ANSI156.4 Grade 1, European standard EN1154, EN1634 and UL228, UL10.C International standard, 80% of the products were exported to oversea market.

OUBAO was main drafter for Chinese Door Closer National Standard QB/T2698, Floor Spring National Standards QB/T2697. OUBAO obtained more than 150 national patents. The OUBAO laboratory for door control products was established in 1988, R&D center was established in 1998, OUBAO company was rated as "National high-tech and new technology enterprise" In 2010; The laboratory was rated as "National high-tech enterprises at the provincial level R&D center" in 2011, the laboratory passed the "China National Accreditation Service for Conformity Assessment "(CNAS) in 2012, the laboratory passed Intertek international testing satellite program approved in 2016.

Professional, Honest and innovative is our motto, Oubao's vision is to be a respected successful, leading door control company.

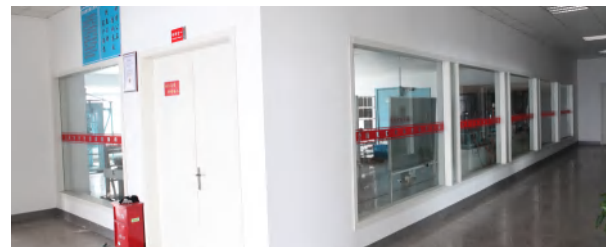


Technical Strength

OUBAO with strong R&D team,
Authoritative National Accreditation Testing Laboratory,
Technical advanced production workshop



Provincial-Level R & D Center



National Level Testing Laboratory



Piston composite processing line



Mold Processing Center



Ball Blast & Auto Painting Work Shop



Robotic Arm Die-Casting Work Shop



Shell processing center



Shaft & cylinder cover composite processing line



WarringtonFire test



UL Certificate:
File no. R15839, SA44785,
R39033,R40703, R41011



CE Certificate



ISO 9001 ISO 14001 ISO 45001



Satellite Lab of Intertek



OUBAO as Main Drafter of
QB/T2697-2024
Standard of Floor Spring

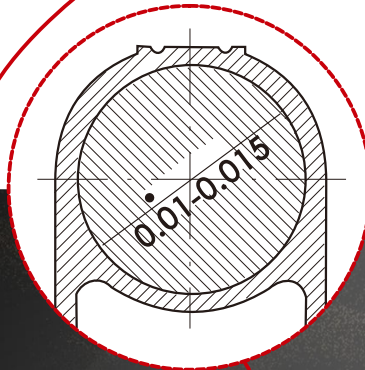


OUBAO as Main Drafter of
QB/T2698-2024
Standard of Door Closer

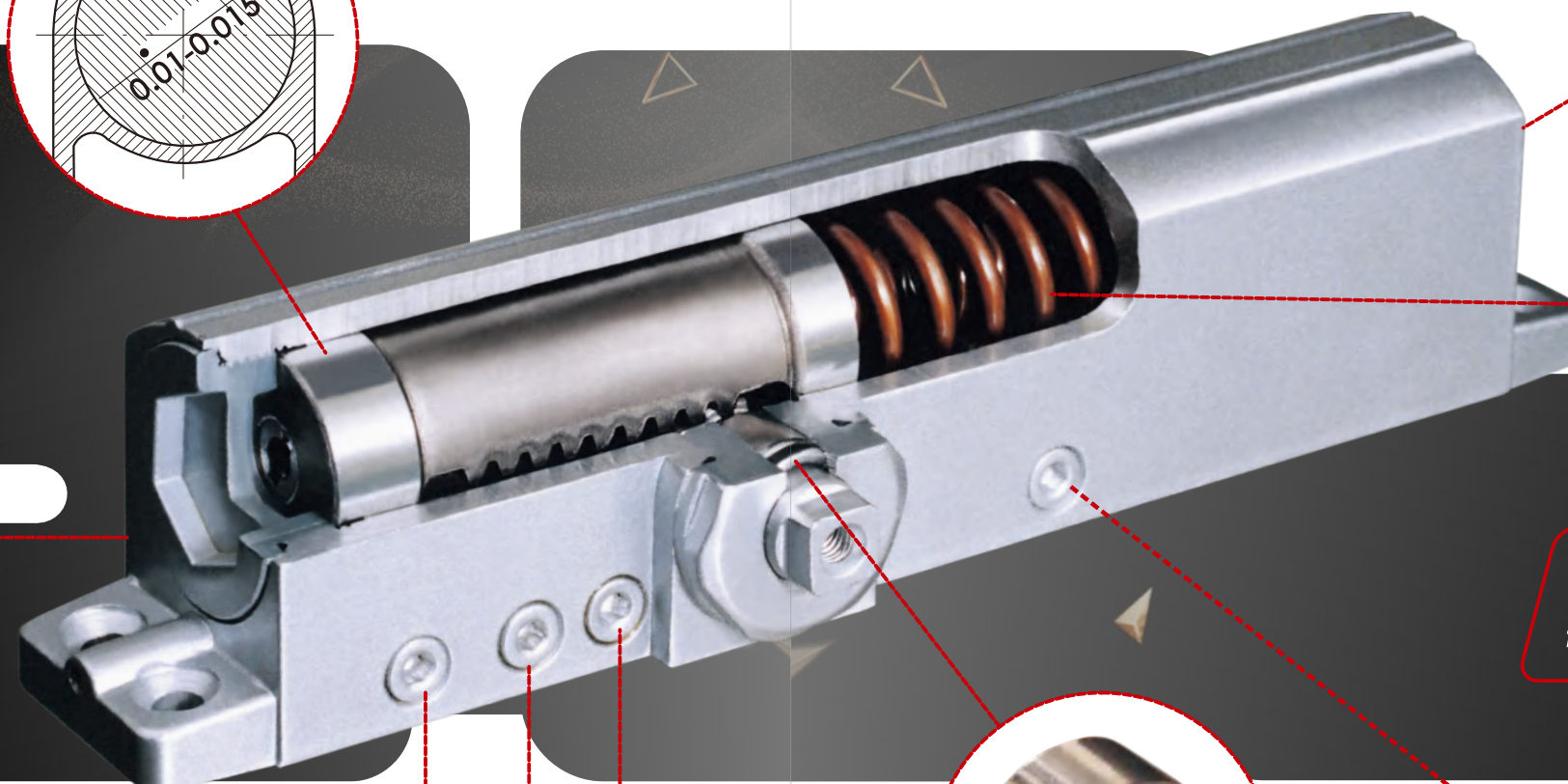


BHMA/ANSI 156.4 Test

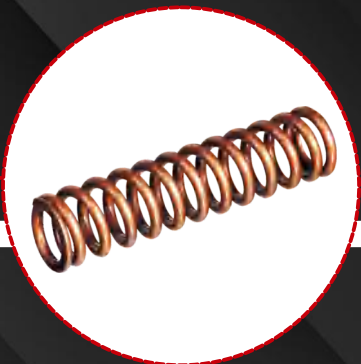
Precision of interspace of piston and Aluminum body is controlled at 0.01-0.015mm, to guarantee "Oubao" door closer's excellent performance.



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



Power Adjustable Valve



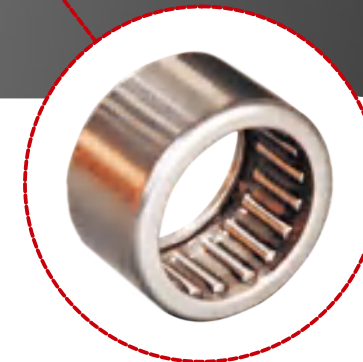
High Strength Spring, Oil-tempered steel, supply enough power to close the door even after 2 million cycles.

Latching Speed Valve

Closing Speed Valve

Delay Action Valve

Back Check Valve



Needle Bearing Installed For Super Smooth Operatipon & High Efficiency



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.

Oubao Door Closer



Oubao Door Closer applicable for

Width of door: not more than 1600mm
 Weight of door: under 300kg
 Opening angle: most extension 180°
 Style of door: security door, fire door, house door.etc

Choose the door closer model: according to the door weight and width

POWER SIZE	DOOR WEIGHT(kg)	DOOR WIDTH(mm)	INSTANCE
1	15~30	<750	Rest room door
2	25~45	850	Office door,wooden fire door,stainless steel fire door
3	40~65	950	Steel security door,meeting room door
4	60~85	1100	Steel security door
5	80~120	1250	Heavy steel security door
6	100~150	1400	Heavy steel security door
7	120~180	1600	Heavy strong door,garage door,large special door

Standard Finish: Silver Special Finishes



The way of Installation



Standard Installation Top Jamb Installation Parallel Arm Installation Slide Arm Installation

Every model could be installed by these four ways.
 Accessories are needed for the parallel Arm Installation and Slide Arm Installation

Advanced function of Oubao door closer:

- Build-in hold function: stop at 75°
- Dual valves, closing and latching speed controlled by two separate regulating valves.
- Two speed valves: Closing speed valve 180°-15°, Latching speed valve 15°-0°
- Back check function: provide a temporary resistance between 70°to Maximum opening angle in door opening cycle to help prevent damage to door and or wall in case of the door opens with excessive force

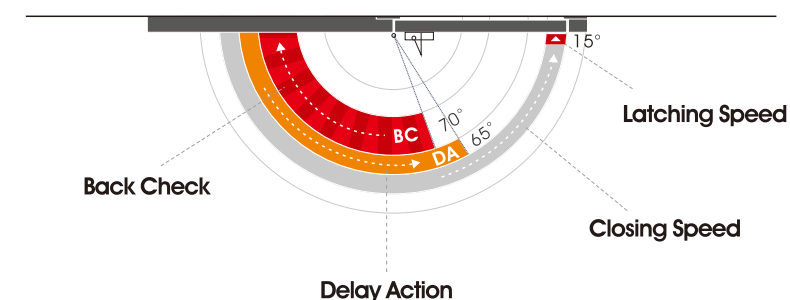


Delay Action: an added adjustment to delay the door closing from maximum opening down to approximate 65°, convenience for the handicapped and elderly

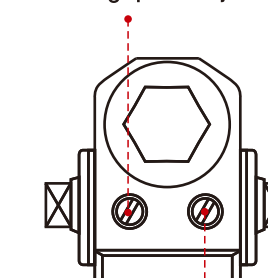


Barrier Free: meet ADA regulation engineered with reduced spring power to provide easier opening for handicapped and elderly

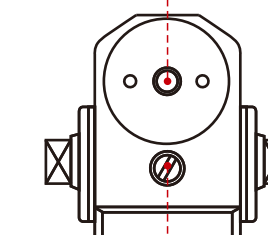
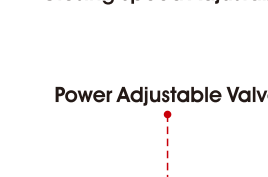
The angles for the functions



Latching Speed Adjustable



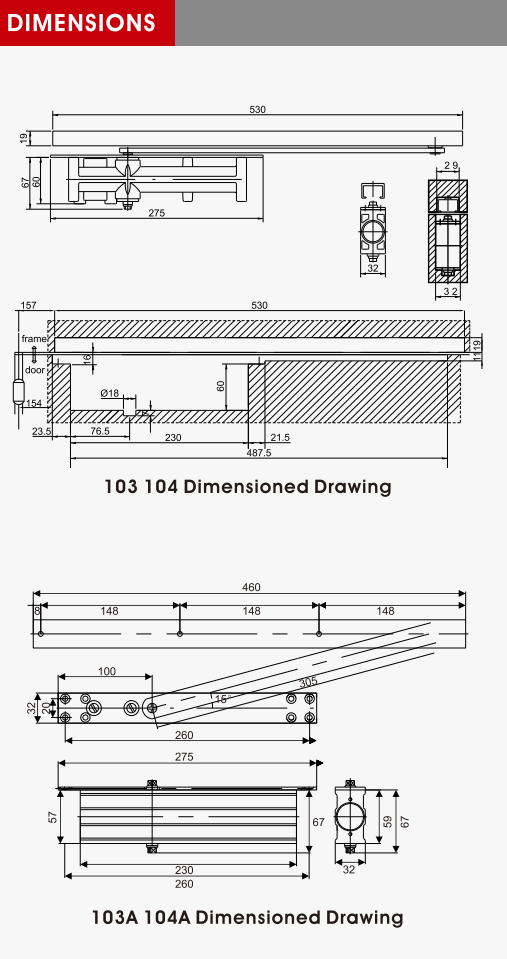
Closing Speed Adjustable



Back Check

Power Adjustable Valve
 Clockwise: increase power
 Counterclockwise: decrease power

100 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



Item No.	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

1035 SERIES

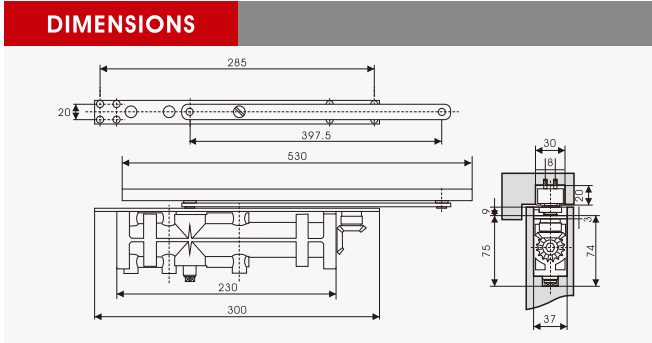


Back Check Valve



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
Door width & Door weight		≤1250mm ≤100kg
Body dimensions(mm)	Length*Height*Projection	237*81*37
Arm	Track(standard)	yes
Power adjustable by spring		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

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

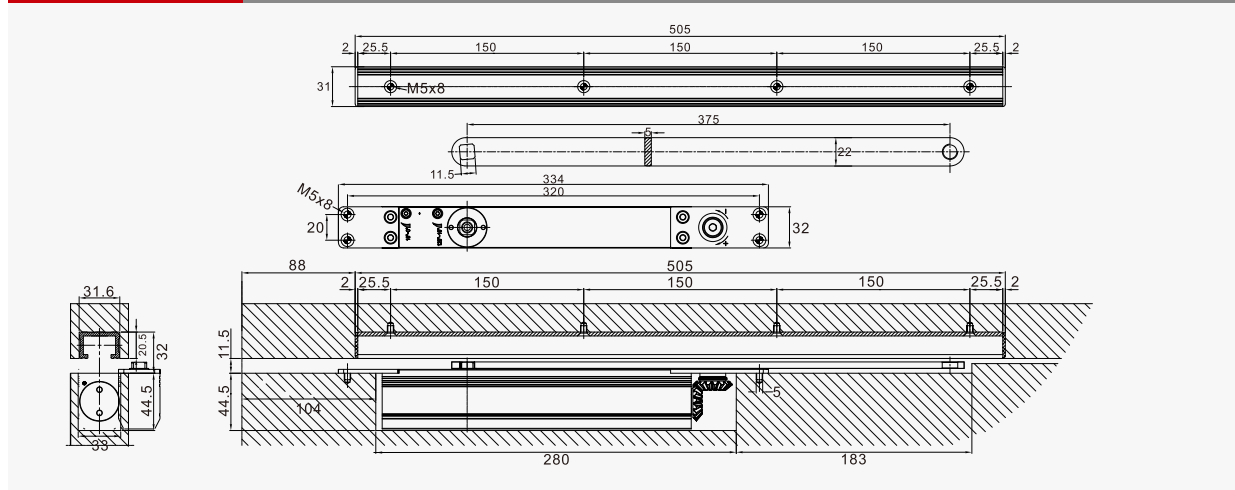
T96 SERIES

Power Adjustable



- Extrusion Aluminum door closer body.
- Power size adjustable EN2 - EN4 , Suit for Max. 85 kg door weight
- Cam Action structure, provides high efficiency easy open and reliable closing power for door application
- Non-handed ,Can be used for left and right-hand doors
- Two separate valves adjustable closing & latching speed
- Hold Open or Non-Hold open function available on every closer.
- Compliant with European standard EN1154

DIMENSIONS



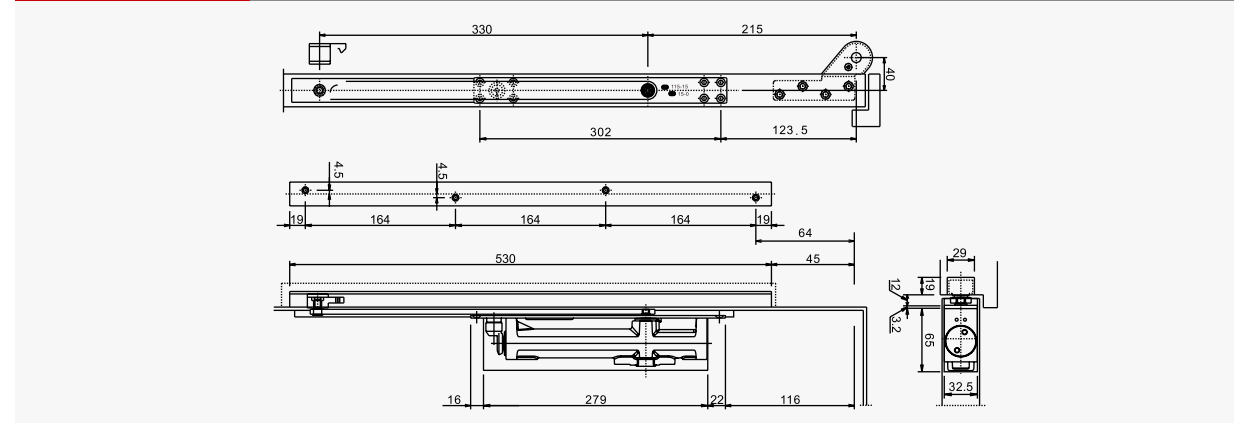
Item No.	Max.Door width (mm)	Door weight (kg)	Power Size
T96	1100	25-85	EN 2-4

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



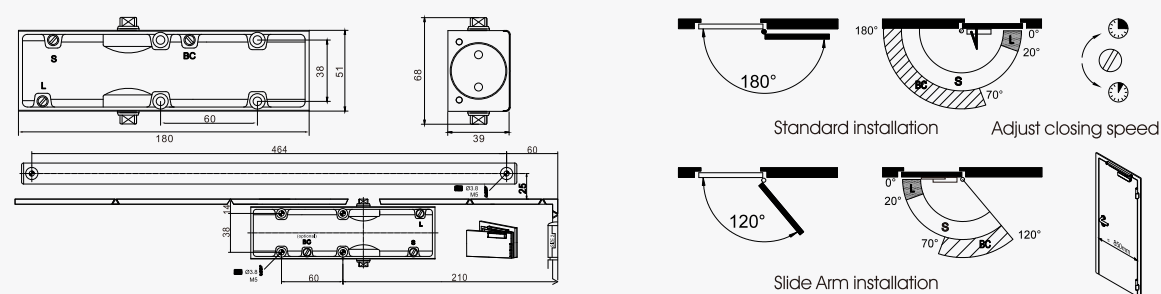
- Adjustable Closing & Latching Speed.
- European Style Designed Medium Duty Closer, Commercial Use
- Die-casting body & Steel Scissors Arm, Slide Track Arm Optional.
- Two speed valves on the front of door closer body, which hidden under of slide cover.



203SL

UL LISTED UL 10C : 203

DIMENSIONS



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

Item No.	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

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204 SERIES



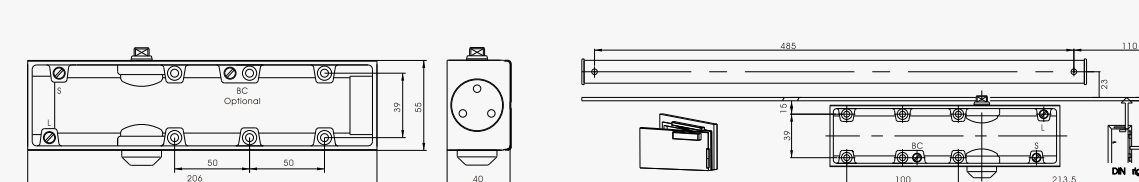
- Adjustable Closing & Latching Speed
- European Style Designed Heavy Duty Closer, Commercial Use
- Die casting Aluminum body & Steel Scissors Arm, Slide Track Arm Optional
- Two Speed valves on the front of door closer body, which hidden under of slide cover
- Power Adjustable #2, #3, #4 by Position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



204SL

CE : 204BC

DIMENSIONS



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

Item No.	Max. Door width (mm)	Door weight (kg)	Power Size
204	1100	25-85	Power Adjustable by Position EN 2-4
204BC	1100	25-85	Power Adjustable by Position EN 2-4
204 SL	950	25-65	Fixed size 3
204BC SL	950	25-65	Fixed size 3

CROSS REFERENCES

OUBAO	ASSA ABLOY	GEZE
204	DC 140	TS2000

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2025 SERIES



2025BCDA

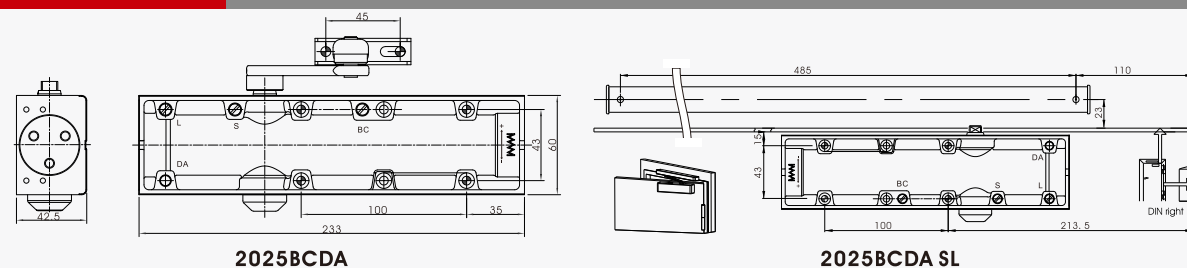


2025BCDA SL

- 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
- Option Delay Action Function
- Power Adjustable #2, #3, #4, #5 by Spring
- For single action doors Max 1250mm



DIMENSIONS



2025BCDA

2025BCDA SL

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

Item No.	Max. Door width (mm)	Door weight (kg)	Power Size
2025BC	1250	20-120	EN 2-5
2025BC SL	1100	15-80	EN 1-4
2025BCDA	1250	20-120	EN 2-5
2025BCDA SL	1100	15-80	EN 1-4

CROSS REFERENCES

OUBAO	ASSA ABLOY	RYOBI
2025	DC130	TS73

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2026 SERIES



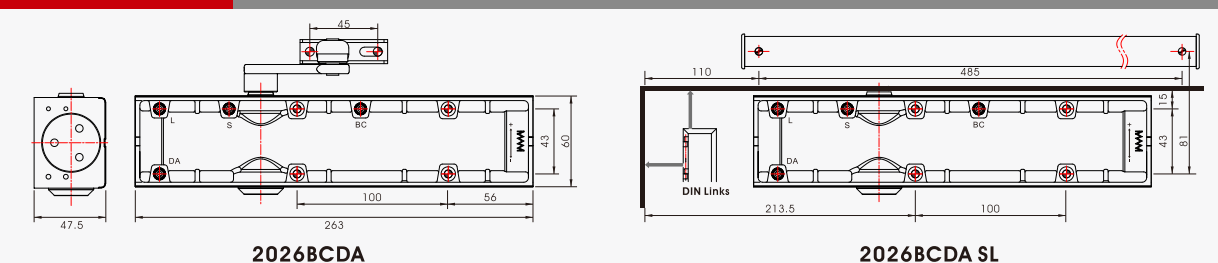
2026BCDA



2026BCDA SL

- Power size adjustable EN2- EN6, Suit for Max. 150 kg door weight
- European & America Style Designed, Heavy Duty for Commercial Doors
- Non-handed, can be used for left and right-hand doors
- Two separate valves adjustable closing & latching speed
- Adjustable Back-Check & Delay Action Function
- Compliant with European standard EN1154

DIMENSIONS



2026BCDA

2026BCDA SL

2026SL with slide arm, the power size will reduce to EN 1-5

Item No.	Max. Door width (mm)	Door Weight (kg)	Power size
2026BCDA	1400	20-150	EN 2-6
2026BCDA SL	1250	10-100	EN 1-5

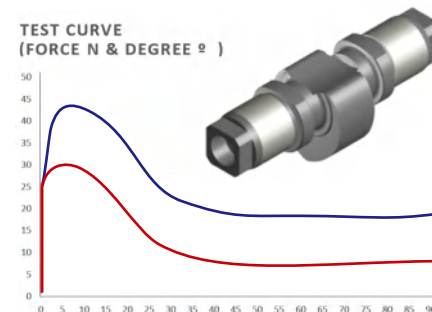
CROSS REFERENCES

OUBAO	DORMA
2026	TS83
GEZE	ASSA ABLOY
TS5000	DC300

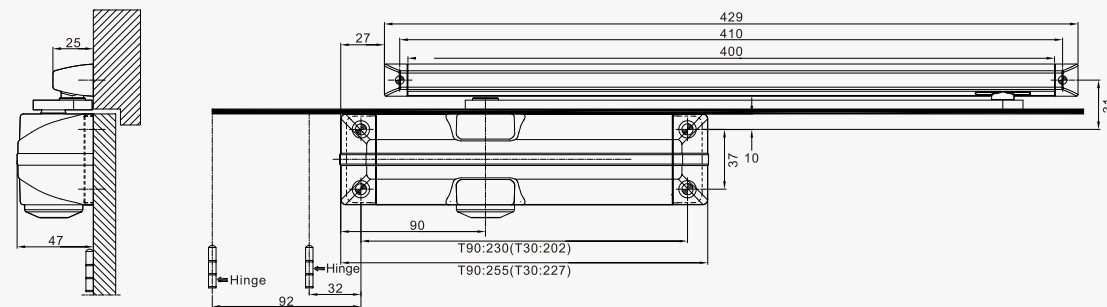
T90/T30 SERIES



- Power size adjustable ,Suiff or Max. 80 kg door weight
- Cam Action structure, easy push to open.
- Non-handed ,Can be used for left and right-hand doors
- Two separate valves adjustable closing & latching speed
- Compliant with European standard EN1154
- 3 hours Fire rated testing undergoing
- Slide rail installation



DIMENSIONS



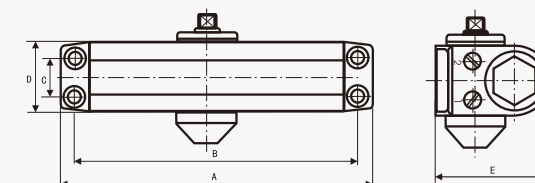
Item No.	Max.Door width (mm)	Door weight (kg)	Power Size
T90	1100	20-80	Power Adjustable by Spring EN 2-4
T30	1100	40-80	Power Adjustable by Position EN 3-4

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).

DIMENSIONS



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

Item No.	Product Weight (kg)	Dimension (mm)					Door width (mm)	Door weight (kg)
		A	B	C	D	E		
52	1.25	182	165	19	42	61.5	850	25-45
53	1.28	182	165	19	42	61.5	950	40-65
514	1.38	182	165	19	42	61.5	1100	60-85

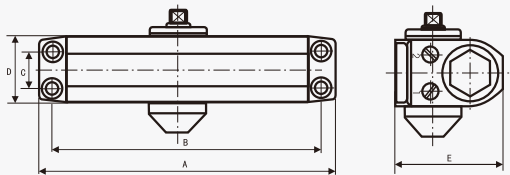


530 SERIES

- 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)



DIMENSIONS



UL LISTED UL 10C CE :530

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

Item No.	Dimension (mm)					Door width (mm)	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

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:Built in HOLD Open type:502D
503D

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

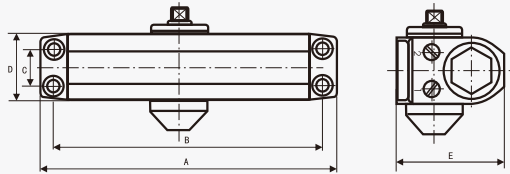
PA:Parallel Arm Bracket
When with parallel arm installation,
will reduce power size

UL LISTED UL 10C CE



OPTIONAL

DIMENSIONS



Item No.	Dimension (mm)					Door width (mm)	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

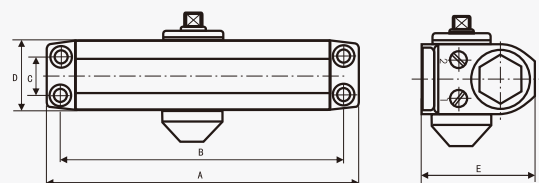
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500BC SERIES

- 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



DIMENSIONS



WITH BACK CHECK FUNCTION

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

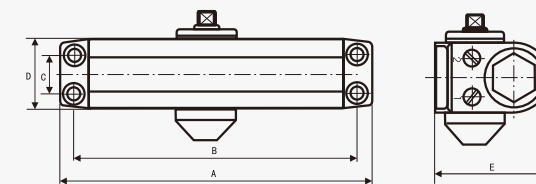
Item No.	Dimension (mm)					Door width (mm)	Door weight (kg)
	A	B	C	D	E		
523BC	186	168	19	44.5	67	950	40-65
503BC	223	206	19	44.5	72	950	40-65
534BC	223	206	19	44.5	72	1100	60-85
543BC	248	230	19	44.5	72	950	40-65
504BC	248	230	19	44.5	72	1100	60-85
505BC	248	230	19	44.5	72	1250	80-120

K62/K63 SERIES

- Conforms to UL standard 100,000 cycle performance test
- Two separate valves adjustable closing & latching speed
- Rack and pinion mechanism Universal Application: Standard, Top-Jamb
- Applicability : Can be used for left and right-hand doors
- Various Finish available : Silver ,Black, White, Bronze, Gold, Brown 8014 /8016, Beige 1015, Champagne 1035 other color upon request .



DIMENSIONS



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

Item No.	Dimension (mm)					Door width (mm)	Door weight (kg)
	A	B	C	D	E		
K62	146	132	19	42	57.5	850	25-45
K63	182	162-165	19	45.5	61.5	950	40-65

*All the measurements are in millimeter (mm)

600 SERIES

- Budget Style
- UL listed (UL fileNo.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 Instruction.(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.

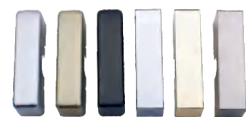


OPTIONAL



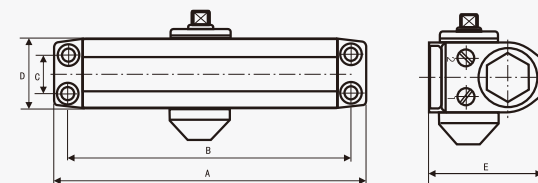
For 603 type

Finishes:



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

DIMENSIONS



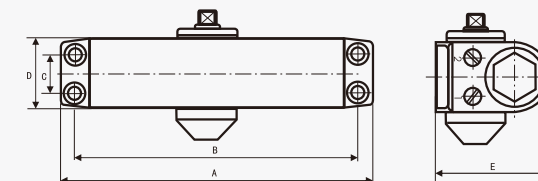
Item No.	Dimension (mm)					Door width (mm)	Door weight (kg)
	A	B	C	D	E		
601	148	132	20	37	57.5	<750	15-30
602	148	132	20	37	57.5	850	25-45
632	186	168	19	44.5	67	850	25-45
603	186	168	19	44.5	67	950	40-65
643	223	206	19	44.5	72.5	950	40-65
604	223	206	19	44.5	72.5	1100	60-85
654	248	230	19	44.5	72.5	1100	60-85
605	248	230	19	44.5	72.5	1250	80-120

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).



DIMENSIONS



C: PVC cover for 701 only

PA: Parallel Arm Bracket.

BC:Optional Back Check for size 3.4.5

Item No.	Dimension (mm)					Door width (mm)	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 SERIES

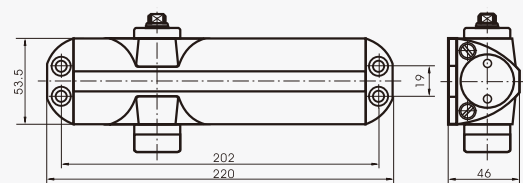
- EN1154 & EN1634 Fire test
- UL listed product,UL10C 3 Hours fire certified
- Trigonal Design in Compact body
- Adjustable force 2-3-4 by moving install position
- High Quality Cast Aluminum Alloy Case
- Universal application.PA bracket will be provided upon request
- Easy & Fast installation with mounting



OPTIONAL



DIMENSIONS



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

Item No.	Max.Door width (mm)	Door weight (kg)	Power Size
3303	1000	25-80	Power Adjustable by Position EN 2-4
3303 SL	850	25-45	Fixed size 2

CROSS REFERENCES

OUBAO	YALE	GEZE	DORMA
3303	2234	TS1000	TS68

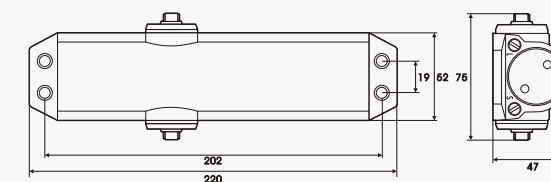
The data on this represents our judgment of which are most similar,since no product is exactly alike each other, it's not guaranteed nor represented that any specific product exactly equals any other product.

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.



DIMENSIONS



OPTIONAL



Item No.	Max.Door width (mm)	Door weight (kg)	Power Size
3234 BC	1100	25-80	Power Adjustable by Position EN 2-4

CROSS REFERENCES

OUBAO	YALE	GEZE	DORMA
3234BC	2234	TS1000	TS68

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

5000 SERIES

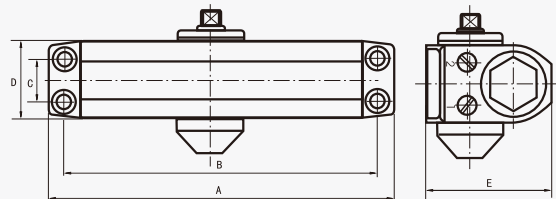


- Recommended type for Fire Door, UL 10C Certified
- Meet with ANSI 156.4 Grade 1
- 10years Guarantee 2 Million Life Cycles
- Multi-size, Adjustable Spring force from1 ~4, 3~6
- Rack and pinion mechanism contained in a high tensile precision cast aluminum housing.
- Needle Bearing
- Optional Delay Action 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



Item No.	Dimension (mm)					Door weight (kg)
	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
5014BCDA	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
5036BCDA	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

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.

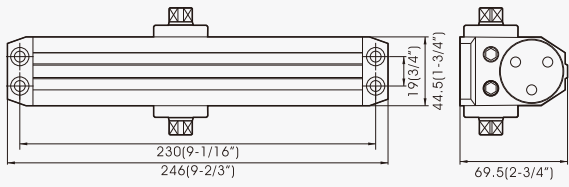
5016 SERIES



- 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 from1 ~6
- Rack and pinion mechanism contained in a high tensile precision cast aluminum housing.
- Needle Bearing
- ADA:5016BC with Barrier Free (BF)Function for elderly/handicapped
- Universal application. Non-handed for standard, top jamb or parallel arm installation.



DIMENSIONS



Item No.	Door weight (kg)
5016 BC	33-330lbs(15-150)

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

24"	30"	36"	42"	48"
size 3	size 4	size 5	size 6	

Minimum Door Width

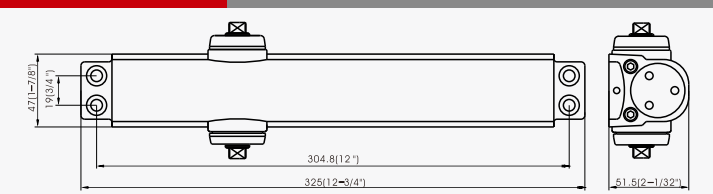
INTERIOR DOOR WIDTH

24"	34"	38"	48"	54"	60"
size 2	size 3	size 4	size 5	size 6	

Minimum Door Width Adjustable Size 1 thru 6



DIMENSIONS



Item No.	Max.Door width (mm)	Door weight (kg)	Power Size
7016 BC	1400	15-150	Multi size 1-6
7016 BCDA	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

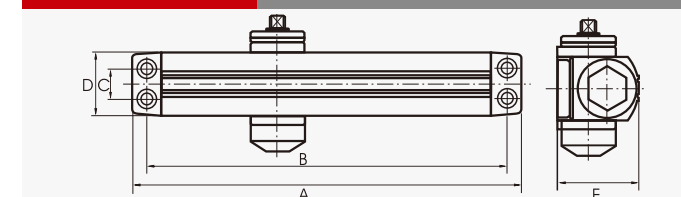
- European &America Style Designed, Heavy Duty for Commercial Doors.
- CE Certification(0905-CPR-000085-01)
- EN 1154 Certificate 500,000Life Cycles EN1634 fire Certificate.
- Precise Cast Aluminum Body&Steel Arm, Sliding Track Arm Optional.
- Adjustable Closing & Latching Speed.
- Standard Adjustable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



:9024BCDA 9036BCDA

:9024BCDA

DIMENSIONS



9024PB
9024PNP
9024SNP
9024Bronze Plated

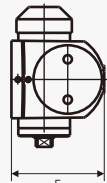
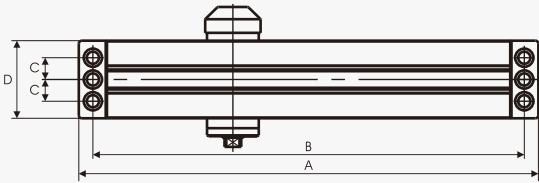
Item No.	Dimension (mm)					MAX.Door WIDTH (mm)	Door weight (kg)	Power Size
	A	B	C	D	E			
9024BCDA	248	230	19	42	52	1100	25-85	Multi size 2-4
9036BCDA	297	280	19	47	57	1400	40-150	Multi size 3-6
907BCDA	297	280	19	47	57	1600	120-180	Size 7

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



DESCRIPTION	SIZE (mm-inch)
A. Length of Closer Body	302 (11 7/8")
B. Horizontal Mounting Holes	283.5 (11 3/16")
C. Vertical Mounting Holes	14.3 (9/16")
D. Height of Closer Body	51 (2")
E. Projection from Door	61 (2 13/32")

Item No.	Max. Door width (mm)	Door weight (kg)	Power Size
9016 BC	1400	15-150	Multi size 1-6
9016 BCDA	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

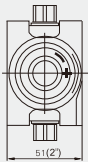
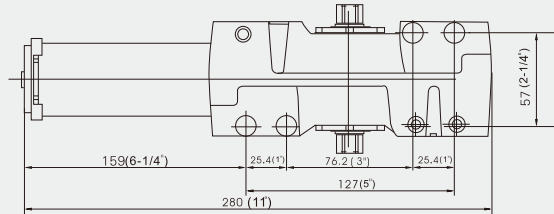
The data on this represents our judgment of which are most similar, since no product is exactly alike each other, it is not guaranteed nor represented that any specific product exactly equals any other product.

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.



DIMENSIONS



Item No.	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 BCDA	750-1400	15-150kg / 33-330lbs	Multi size 1-6
OB03T	≥1400 mm	150-220kg/330-485lbs	Fixed 8

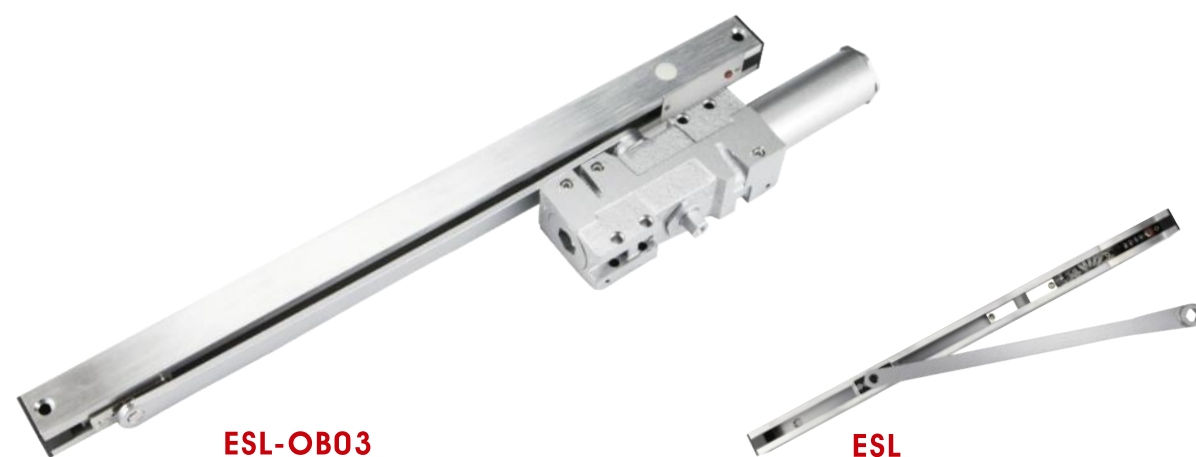
CROSS REFERENCES

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.

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:

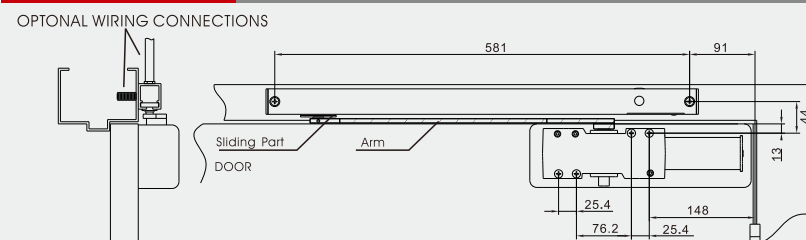
Adjustable hydraulic backcheck cushions opening swing prior to 90°Separate regulation of general closing speed and latching speed High strength cast iron cylinder Forged steel main arm and piston

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.

DIMENSIONS



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

Application areas

The entrance of shopping centre, Bank, hospital, office building, airport or house, suitable for single direction opening of single or double 90 degree swing door.

Brushless motor

DC 24V brushless motor, with small volume and high power, reduction gearbox adopts a precision gear structure with multi-stage transmission and smooth operation.

Adjustable power

Intelligent power control for slow start and slow stop, with adjustable door opening and closing speed, stopping time, and pressing force.

Multiple combinations

Can be combined with access control machine,sensor device,and electric lock for access system.

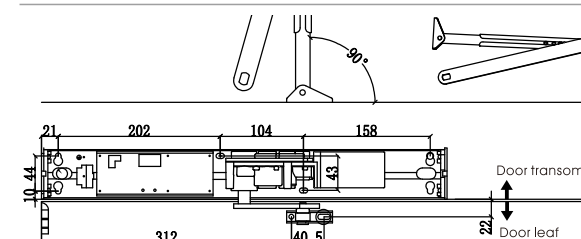
Intelligent discernment

The intelligent discernment function is activated when the doorset leaf meet obstacles, and the drive operates in reverse to protect people or objects.

Visual UI

0.96 inch display screen, visualized function selection menu, easy to set up and install.

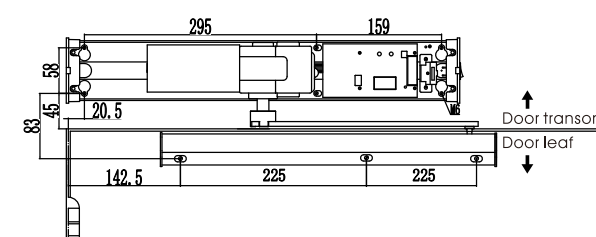
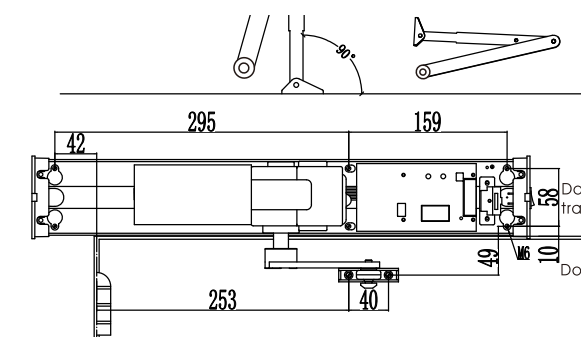
INSTALLATION WITH LINK ARM



INSTALLATION WITH SLIDE RAIL



D213























D215

TECHNICAL DATA

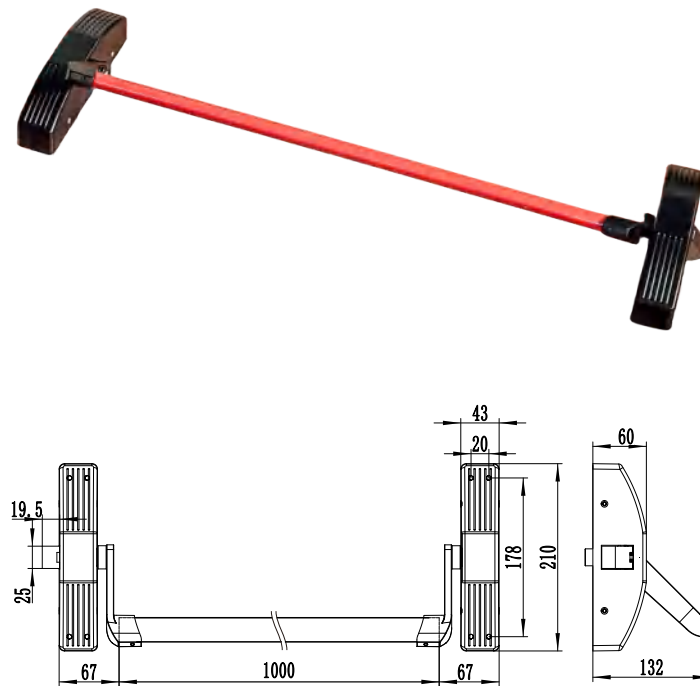
Input voltage	AC100-260V	Motor voltage	DC 24V	Opening angle (max.)	120°
Output power	DC12V/500mA	Opening speed	3.5s-15s	Closing speed	3.5s-15s
Operating mode	Automatic, Hold-open, Release	Service life	1 million cycle	Operating temperature	-20°C~65°C
Installation position	Door leaf, Door transom				

Item No.	D213	Size	506*63*68mm	Weight	3Kg
Rated power	72W	Leaf weight (max.) 1-leaf	100Kg	Leaf width (min.-max.)	700-1100mm
Item No.	D215	Size	500*80*104mm	Weight	5Kg
Rated power	120W	Leaf weight (max.) 1-leaf	160Kg	Leaf width (min.-max.)	800-1500mm

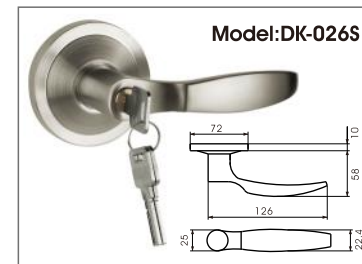
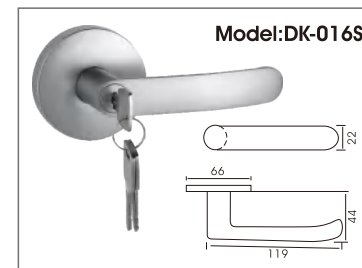
			
PA-5 Bracket	PA-6 Bracket	PA-52 Bracket	Telescopic armset
			
DT-B2 Detachable Arm	B2 Standard Armset	B3 Standard Armset	9024 Hold Open Arm
			
5016 Hold Open Arm	SL 204 Slide Arm	SL 9024 Slide Arm	SL OB03 Slide Arm
			
① CUSH Shoe Support ② Blade Stop Spacer	5014 Hold Open Arm	9016 Heavy Duty Arm	OB03 Heavy Duty Arm
			
9016 Heavy Duty Hold Open Arm	OB03 Heavy Duty Hold Open Arm	OB03 HO Spring Cush Arm	OB03 Spring Cush Arm

			
OB03-A1 (18TJ) Drop Plate	OB03-A2 (18G) Plate	OB03-A3 (18PA) Plate	OB03-A4 (18) Plate
			
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

CROSS BAR TYPE 1310



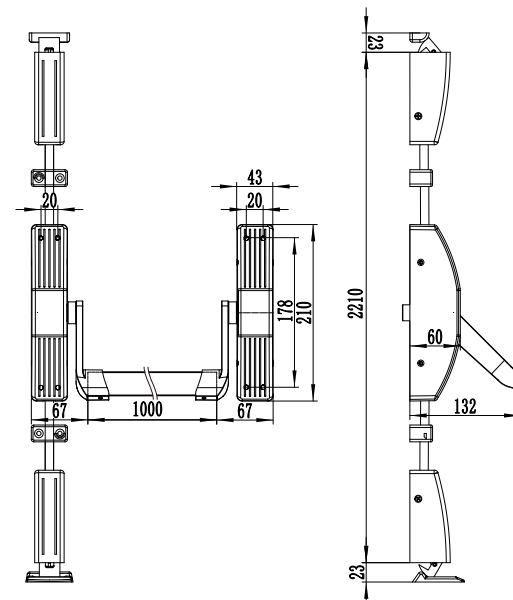
- One Point Lock
- No Handed Horizontal
- Oval Shape Bar Standard: 900mm
- Max 1300 mm on request



CROSS BAR VERTICAL TYPE 1320



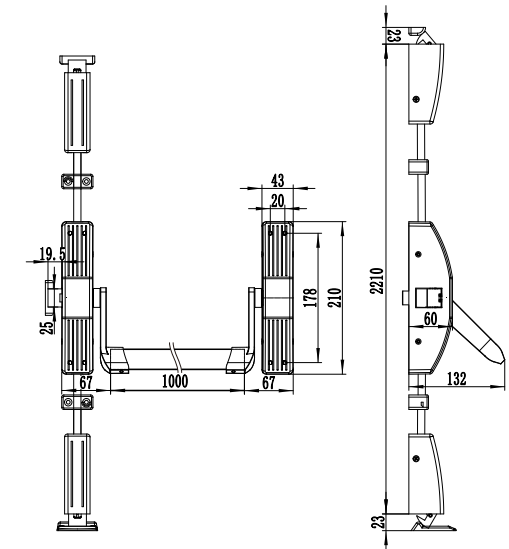
- Esthetical design suit for commercial building,hospitals or other public building.
- Non-handed, suit for LH or RH doors. Vertical type,2 locking points,upper and lower locking device.
- Standard Height:2210mm.
- Oval shape horizontal bar, Standard900 mm,
- Max 1300 mm on requestAssembly instructions and installation template



CROSS BAR THREE POINTS TYPE 1330



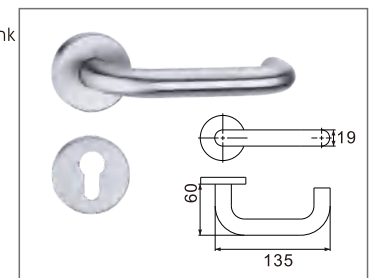
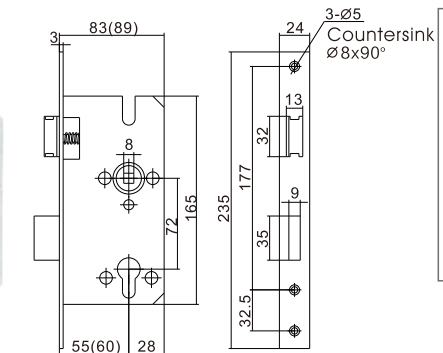
- Easy to install on wooden, steel or aluminum doors.
- 3 locking points,upper, lower and lateral locking device.
- Non-handed,suit for both right hand and left hand door.
- Standard height:2210mm Max 2500mm on request.
- Oval shape horizontal bar, Standard:900 mm,Max 1300 mm on request
- Assembly instructions and installation template.



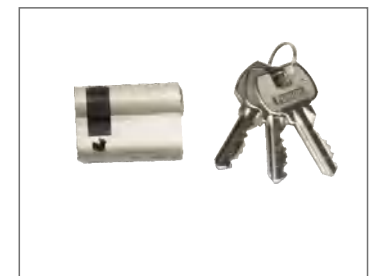
CROSS BAR MORTISE TYPE 1300



CF56



E160 Handle



E161 Cylinder

- Easy to install on wooden,hollow steel or aluminum doors.
- Suitable for Mortise lock body.
- Non-handed,suit for both right hand and left hand door.
- Oval shape horizontal bar, Standard:900 mm, Max 1300 mm on request.
- The Square Spindle 8x8, Optional 9x9.

CROSS BAR RIM TYPE 331



* There are exclusive agents for 331/332/333 in certain markets. Please consult your sales consultant before purchasing

CROSS BAR VERTICAL TYPE 332



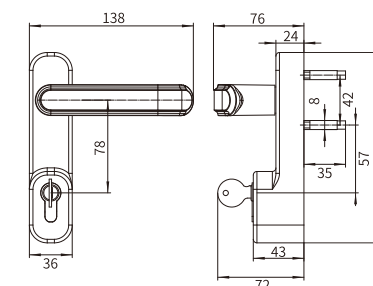
CROSS BAR THREE POINTS LOCKING TYPE 333



OUTSIDE TRIM LOCK FOR 330 SERIES

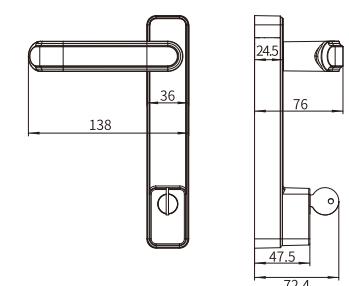
#012 LEVEL TRIM LOCK

- 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

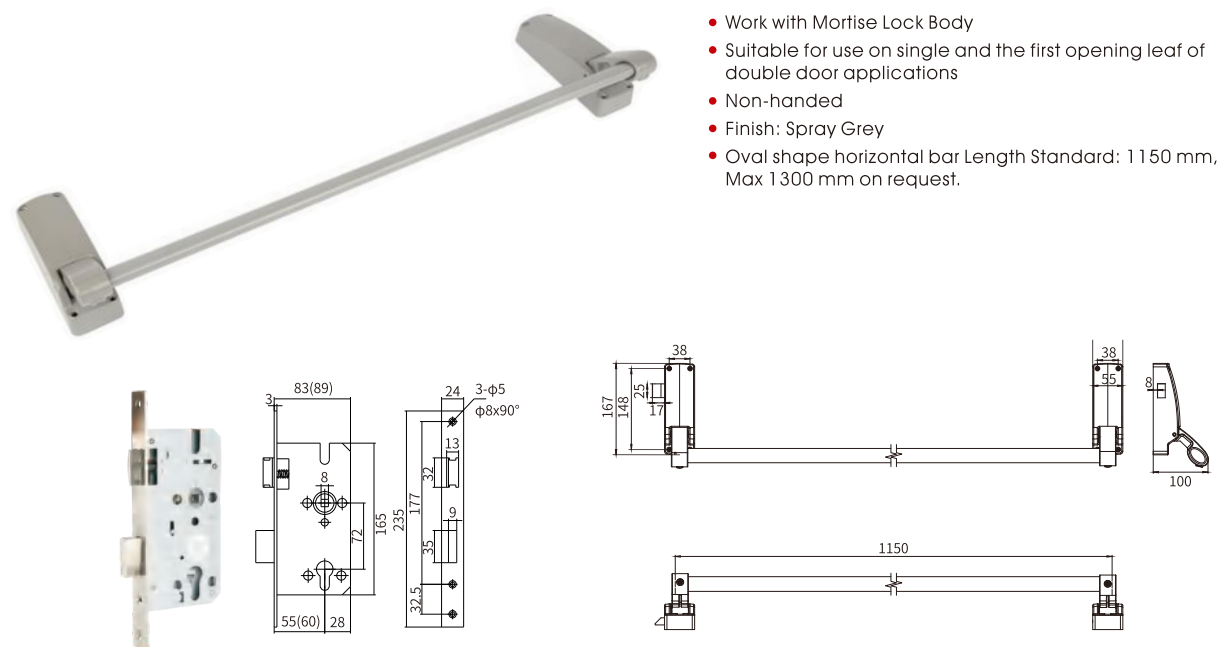


DK-008 LEVEL TRIM LOCK

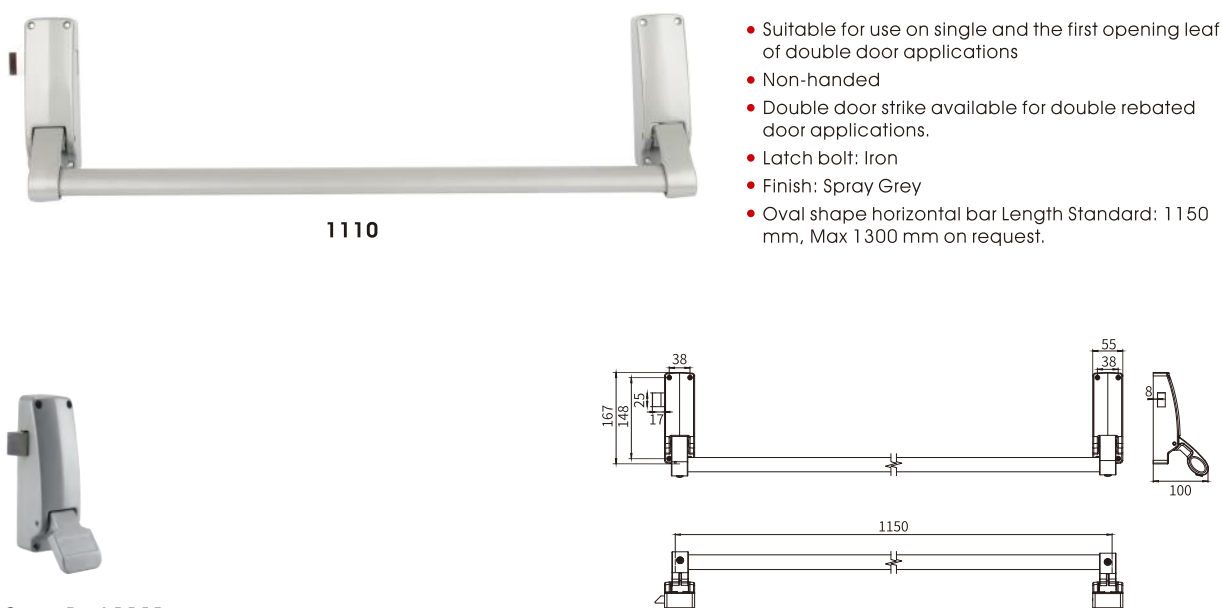
- Zinc Alloy Body
- Alum Level
- Cylinder Size: 40mm
- Brass Cylinder
- Three Brass Keys
- Clutch Function
- Max Door Thickness: 75mm
- Work with Cross Bar Panic Exit Device 331, 332&333



CROSS BAR MORTISE TYPE 1100

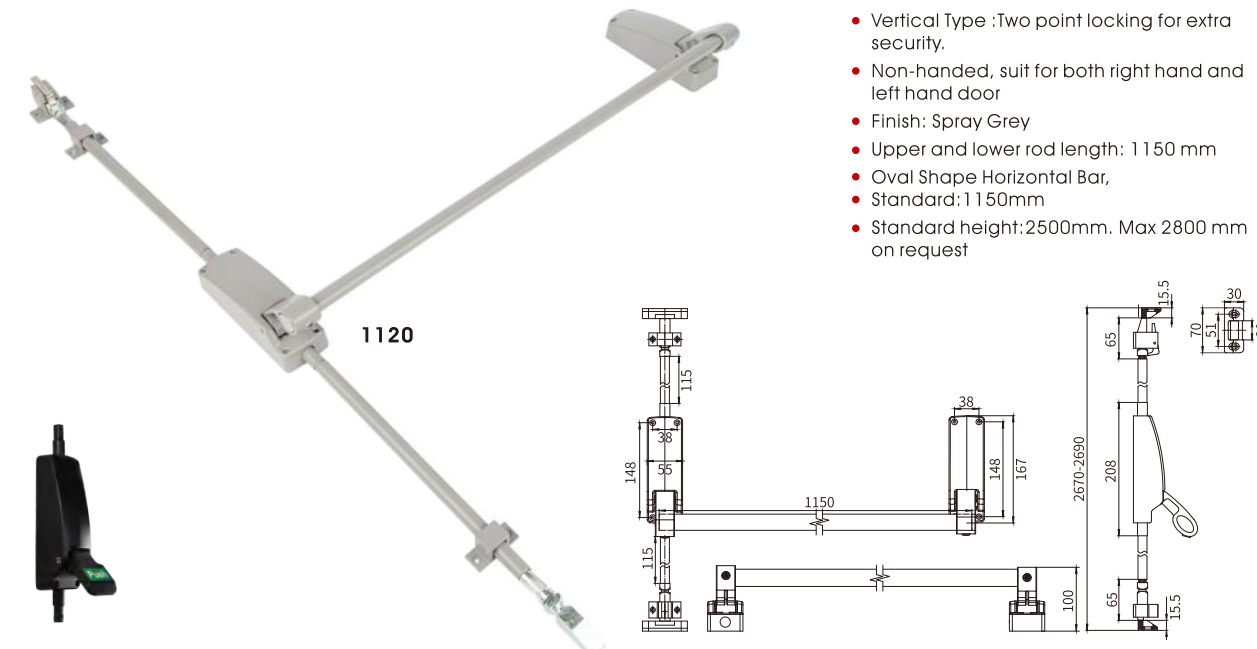


CROSS BAR RIM TYPE 1110



Cross Pad 111P

CROSS BAR VERTICAL TYPE 1120



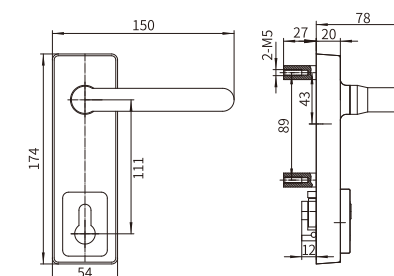
Cross Pad 112P

OUTSIDE TRIM LOCK FOR 1100 SERIES

011 LE LEVER TRIM LOCK



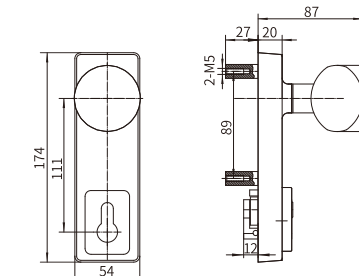
- Material: Zinc Body, Aluminum Lever
- Cylinder: Brass half-cylinder
- Key: 3 brass keys
- Finish: Spray Grey
- Work with cross bar panic exit device 1110 & 1120



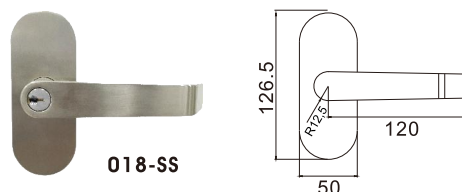
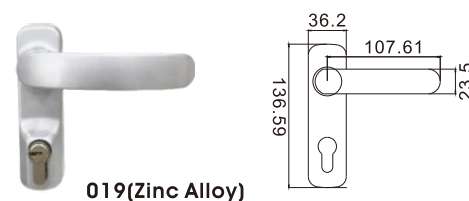
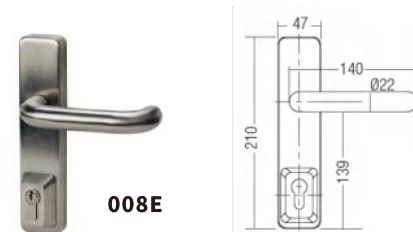
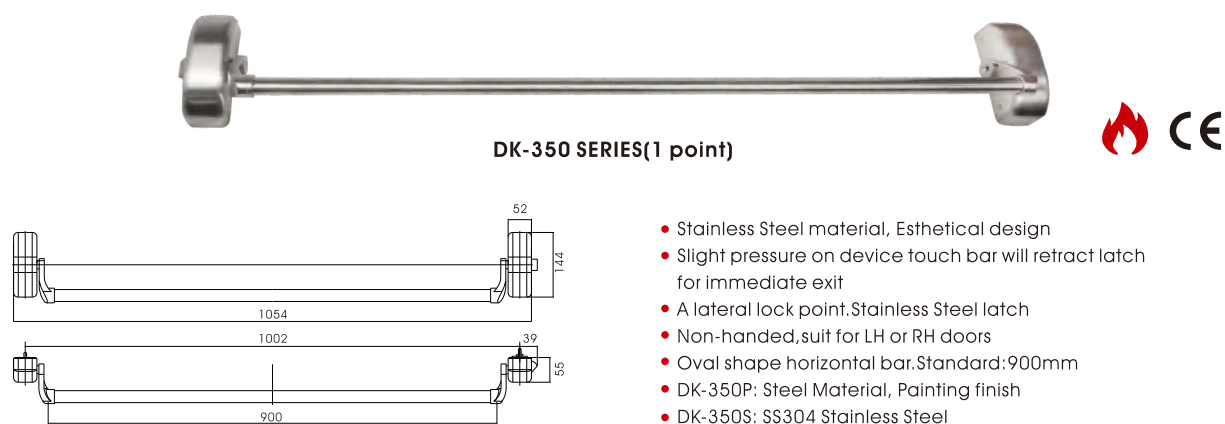
011KE KNOB TRIM LOCK



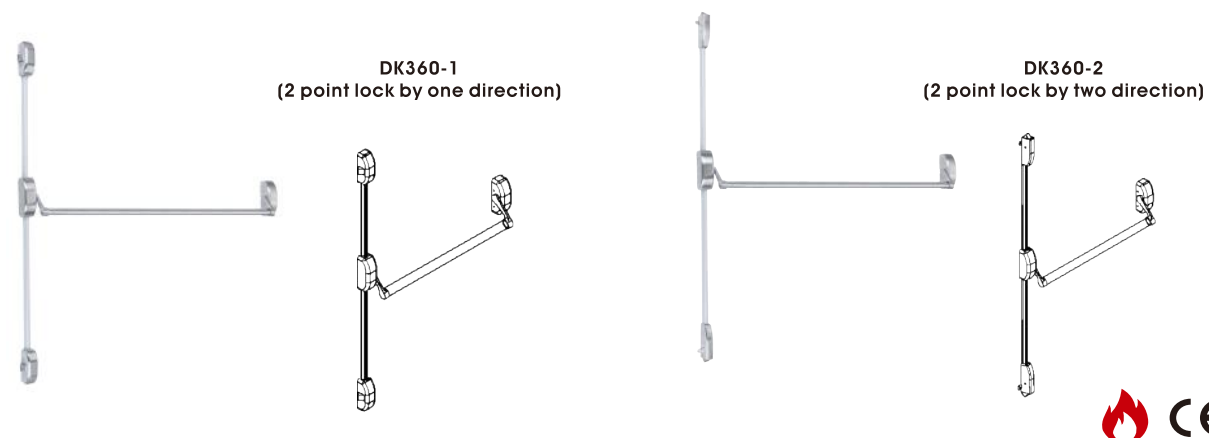
- Material: Zinc Body, Aluminum Knob
- Cylinder: Brass half-cylinder
- Key: 3 brass keys
- Finish: Spray Grey
- Work with cross bar panic exit device 1110



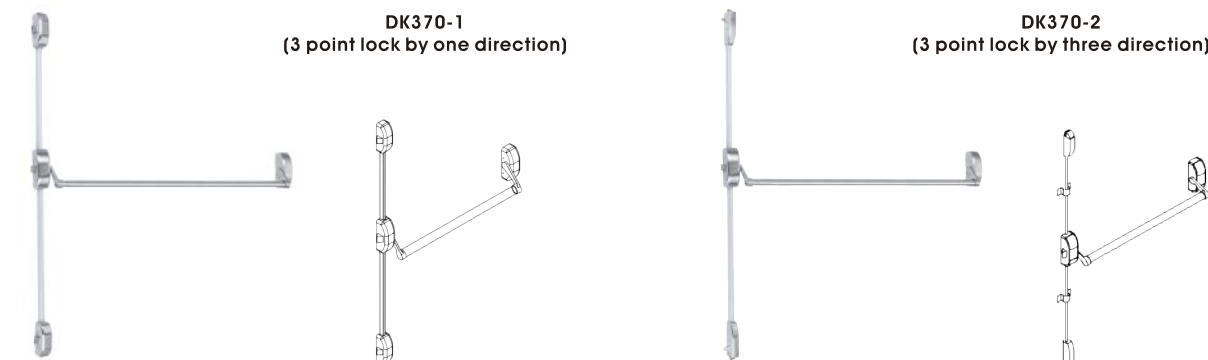
CROSS BAR RIM TYPE DK350 SERIES



CROSS BAR VERTICAL TYPE DK360 SERIES



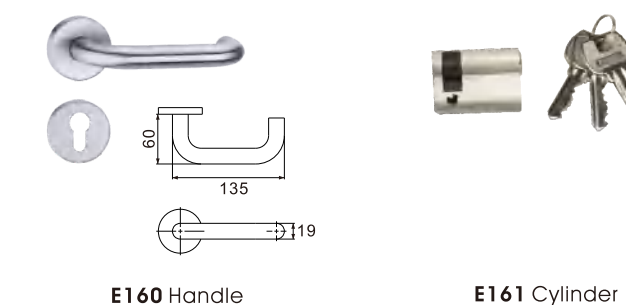
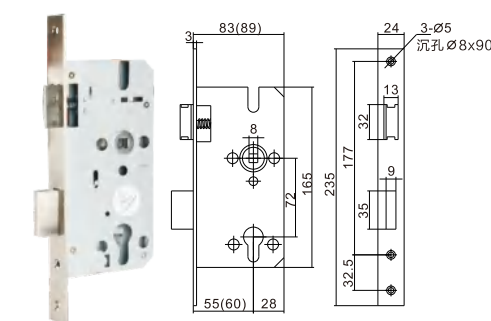
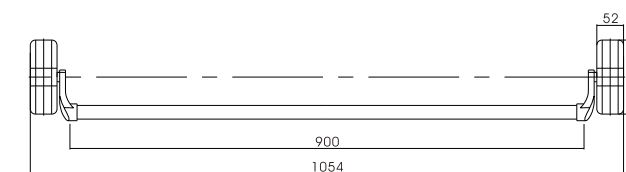
CROSS BAR THREE POINTS LOCK DK370 SERIES



CROSS BAR MORTISE TYPE DK380 SERIES



- 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



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

TOUCH BAR RIM TYPE DK-1510 SERIES



ACCESSORIES



1510P Zinc Striker



1510S SS304 Striker



1510 Screws



1510P Plastic End Cap



1510S SS304 End Cap

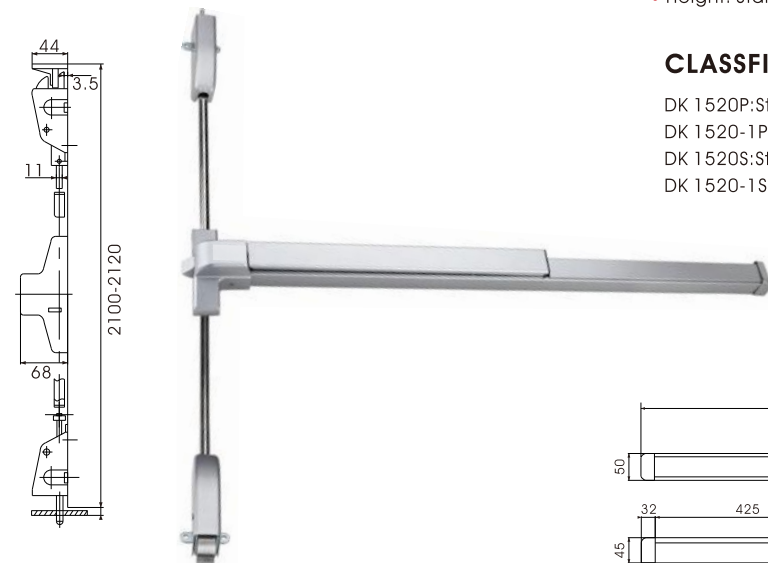


- Material: Steel or Stainless Steel
- Push Pad length: 500mm
- Body Length: 1045mm Standard, Could be Customized from Min. 650mm to Max 1300mm
- Customized from Min. 650mm to Max 1300mm
- Dogging Function
- Non-handed
- UL File no.: SA44785, Chinese domestic fire rated 1.5H

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

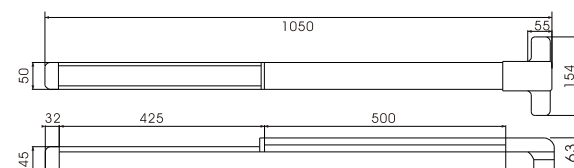
TOUCH BAR VERTICAL TYPE DK-1520 SERIES



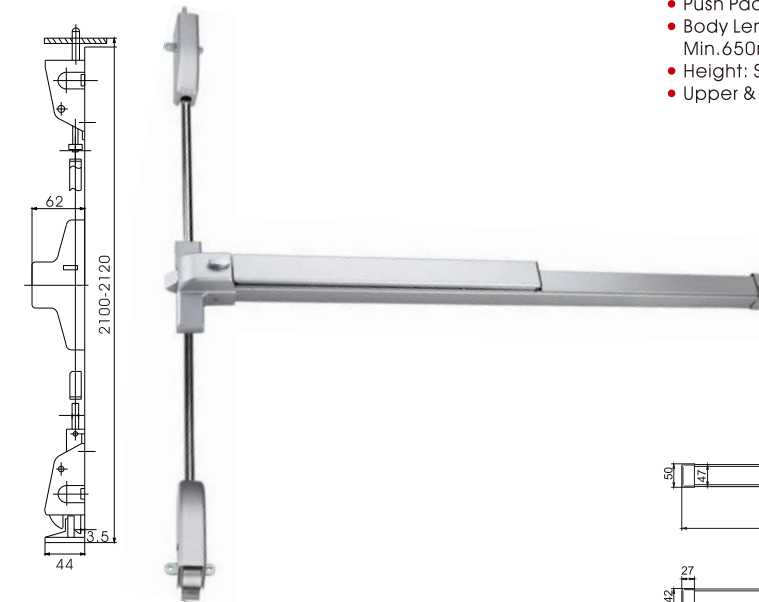
- Non-handed, suit for both right hand and left hand door.
- Vertical type: Two point locking for extra security.
- Length: Standard 1045mm, could be customized
- Height: Standard 2100mm, could be customized

CLASSIFICATION:

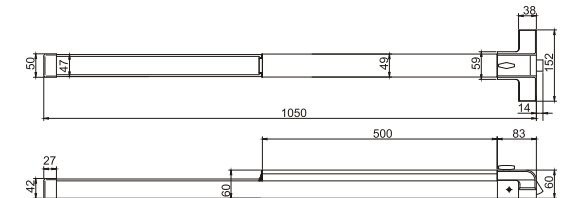
DK 1520P: Steel, Painted, Half length push pad
DK 1520-1P: Steel, Painted, Full length push pad
DK 1520S: Stainless Steel, Half length push pad
DK 1520-1S: Stainless Steel, Full length push pad



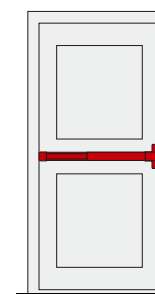
TOUCH BAR THREE POINTS TYPE DK-1530 SERIES



- 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



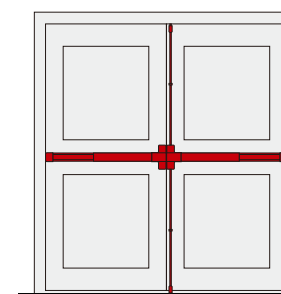
RIM TYPE & VERTICAL ROD TYPE EXIT DEVICES SELECTOR CHART



SINGLE DOOR

Vertical rod type or Rim type

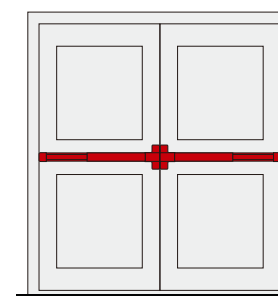
Surface applied 2 point lock surface application



PAIR OF DOORS WITHOUT MULLION

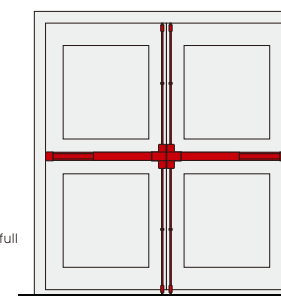
1 Vertical rod and 1 Rim type

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

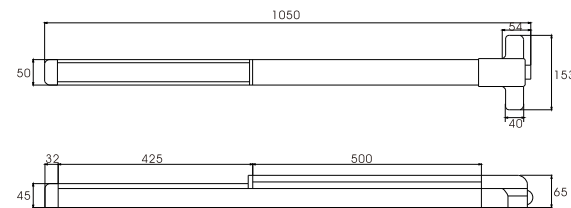


PAIR OF DOORS WITHOUT MULLION

2 Vertical Rim type

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

TOUCH BAR RIM TYPE UL500 SERIES

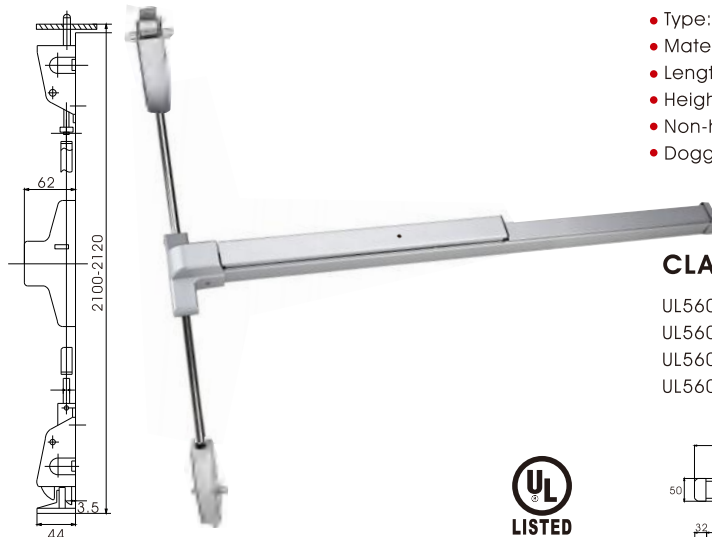


- Type: American Style, Push bar, Rim Type
- Dogging by furnished Allen Key
- Security Latch bolt
- Material: Steel or Stainless Steel
- Length: Standard 1045mm, could be customized
- Non-handed, for LH or RH doors

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

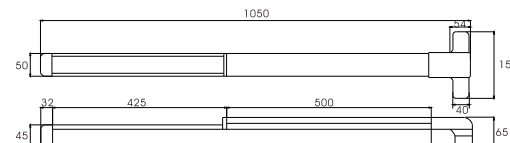
TOUCH BAR VERTICAL TYPE UL560 SERIES



- 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



UL560P Zinc Striker



UL560 Upper Zinc Striker



UL560 Screws



UL560S SS304 End Cap

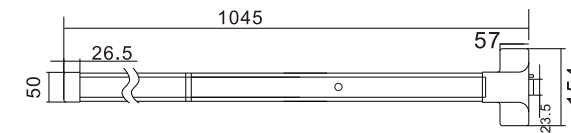


UL560P Metal End Cap



UL560S Striker

TOUCH BAR RIM TYPE UL600 SERIES

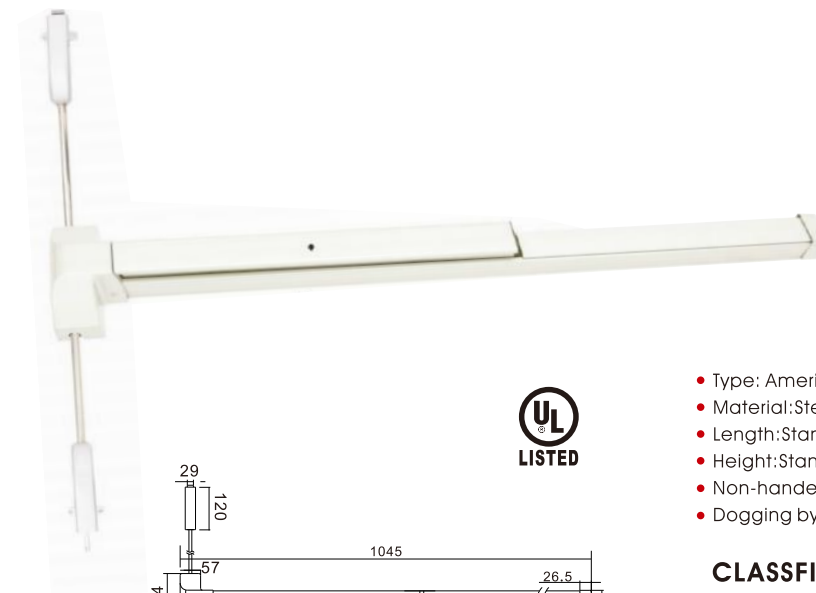


- Type: American Style, Push bar, Rim Type, UL listed.
- Material: Steel or Stainless Steel.
- Length: 1045mm Standard, could be customized.
- Non-handed, for LH or RH doors
- Dogging by furnished Allen Key

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

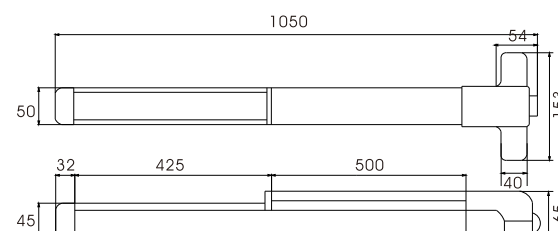


- Type: American Style, Push bar, two locking points, UL listed.
- Material: Steel or Stainless Steel.
- Length: Standard 1045mm, could be customized.
- Height: Standard 2100mm, could be customized.
- Non-handed, for LH or RH doors.
- Dogging by furnished Allen Key.

CLASSIFICATION:

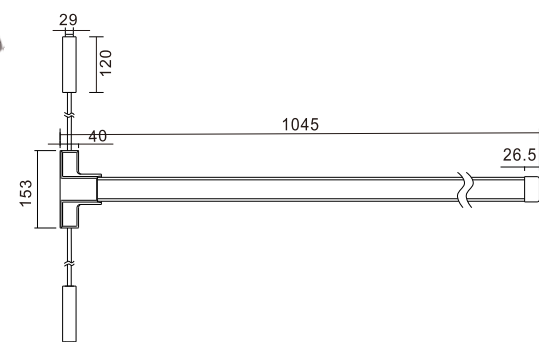
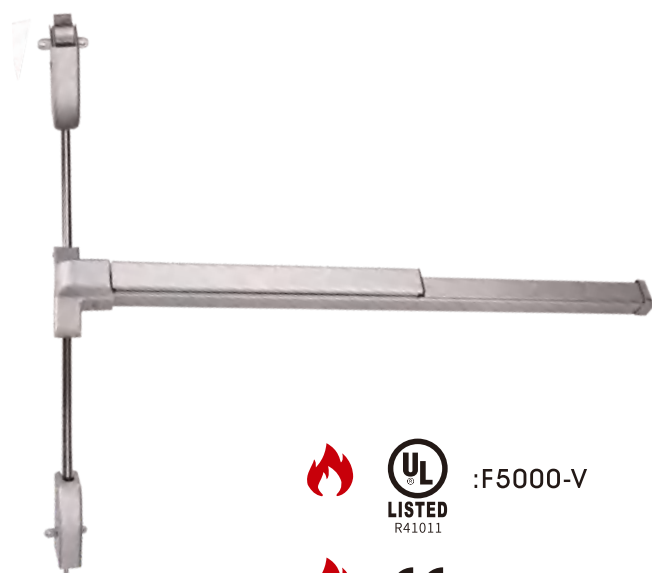
UL660P: Steel, Painted, half length push rail. UL listed
 UL660-1P: Steel, Painted, full length push rail. UL listed
 UL660S: 304 Stainless Steel, half length push rail. UL listed
 UL660-1S: 304 Stainless Steel, full length push rail. UL listed

TOUCH BAR RIM TYPE FIRE RATED 1710 (F5000) SERIES



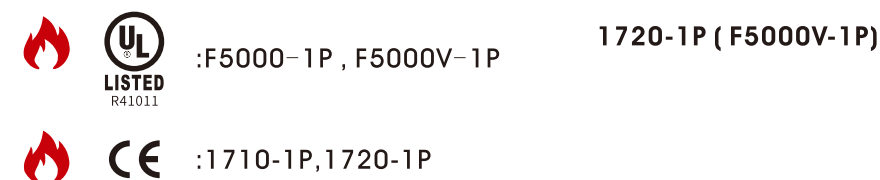
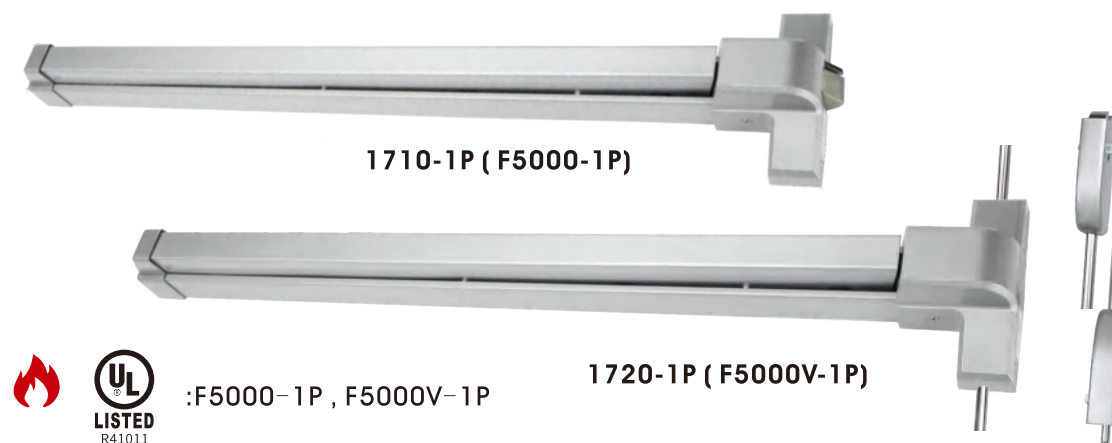
- Type: American Style, Push bar, Rim Type, UL listed.
- ANSI/BHMA Grade 1 Panic Exit Device, confirm to UL 10C 3 hours fire test.
- Material: Steel or Stainless Steel.
- Length: 1045mm Standard, could be customized.
- Non-handed, for LH or RH doors.
- Master Key System are available.

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.

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



TOUCH BAR RIM TYPE SMART ALARM 1910 SERIES

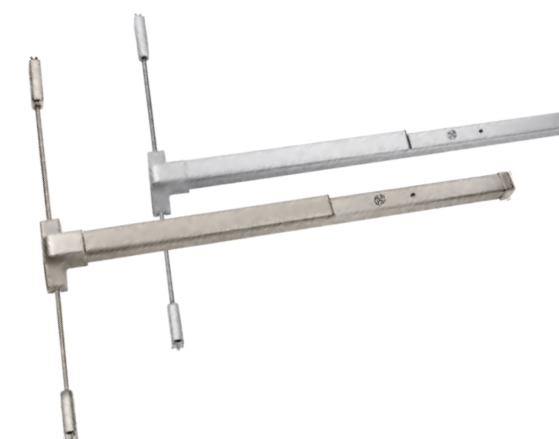


- Close by one point.
- Safety lock function.
- Exposure Type.
- Full length or Half length push bar.
- Different length according to the width of door.
- Different colors can be chosen.
- With smart alarm function.

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

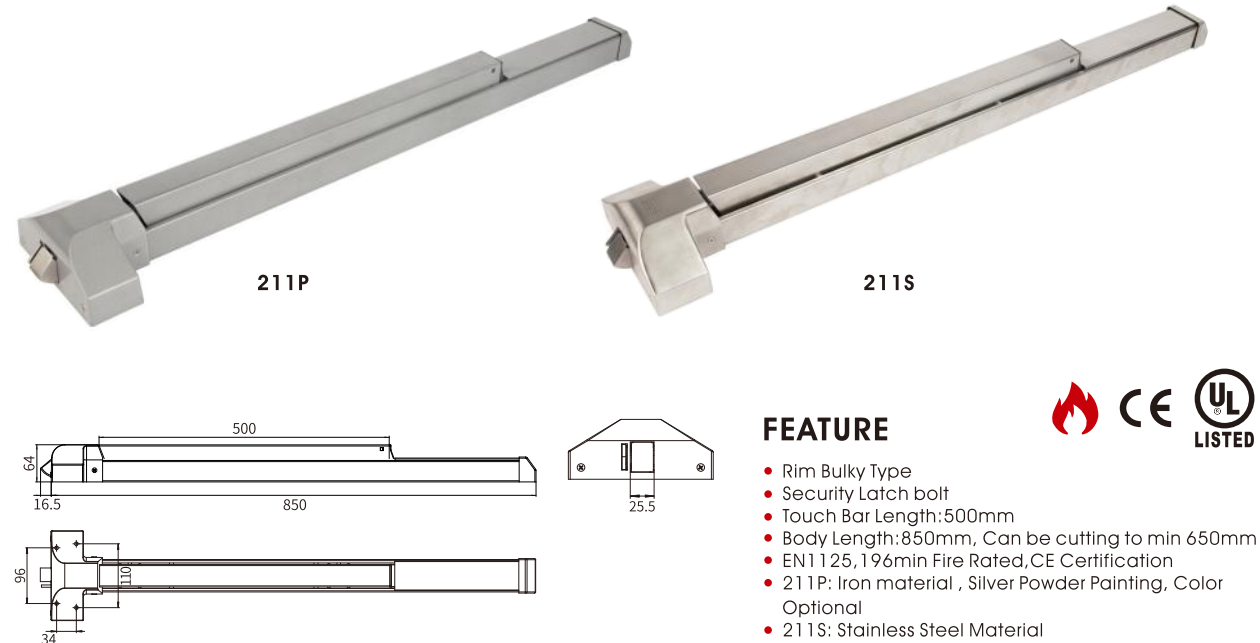


- Close by one point.
- Safety lock function.
- Exposure Type.
- Full length or Half length push bar.
- Different length according to the width of door.
- Different colors can be chosen.
- With smart alarm function.

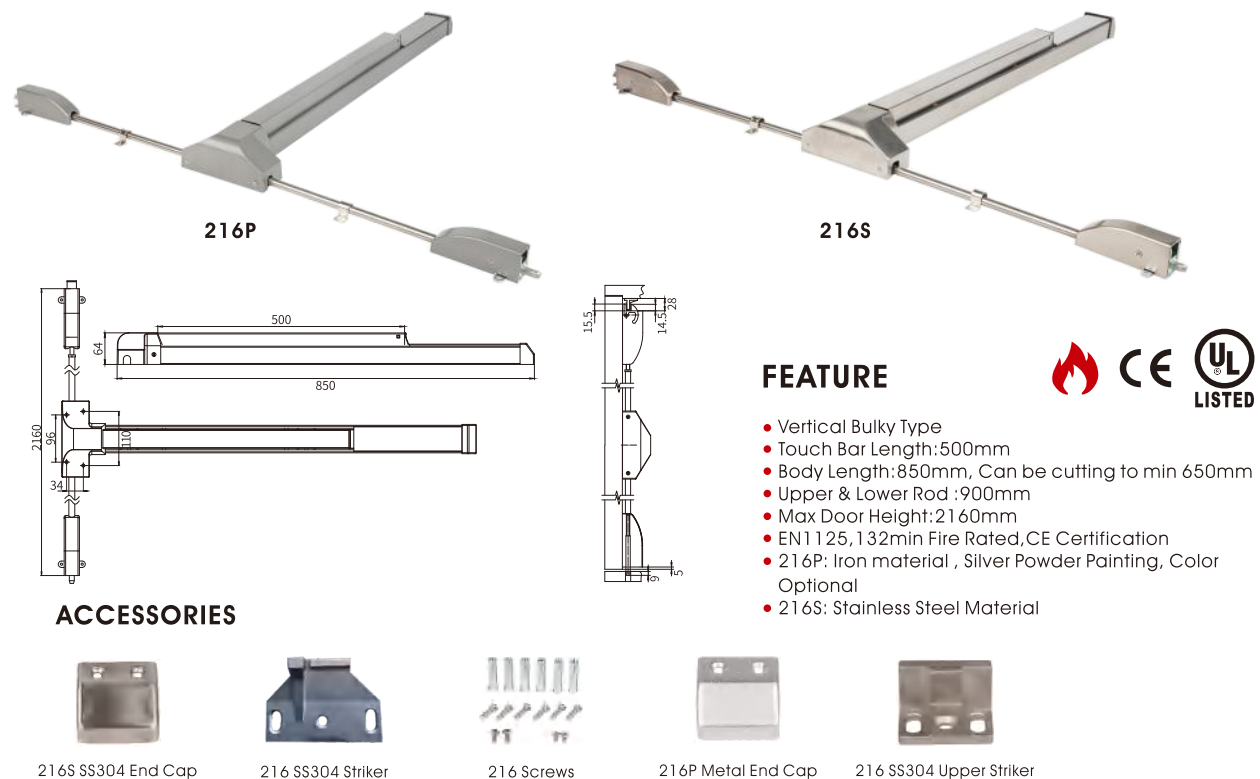
CLASSIFICATION:

- 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

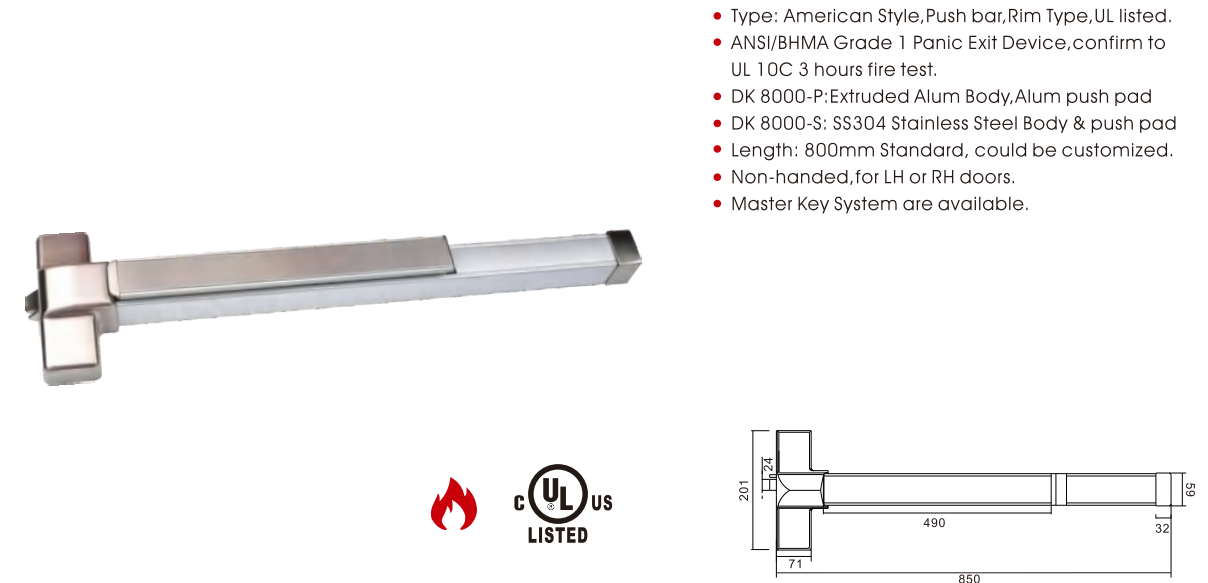
TOUCH BAR RIM TYPE 211 SERIES



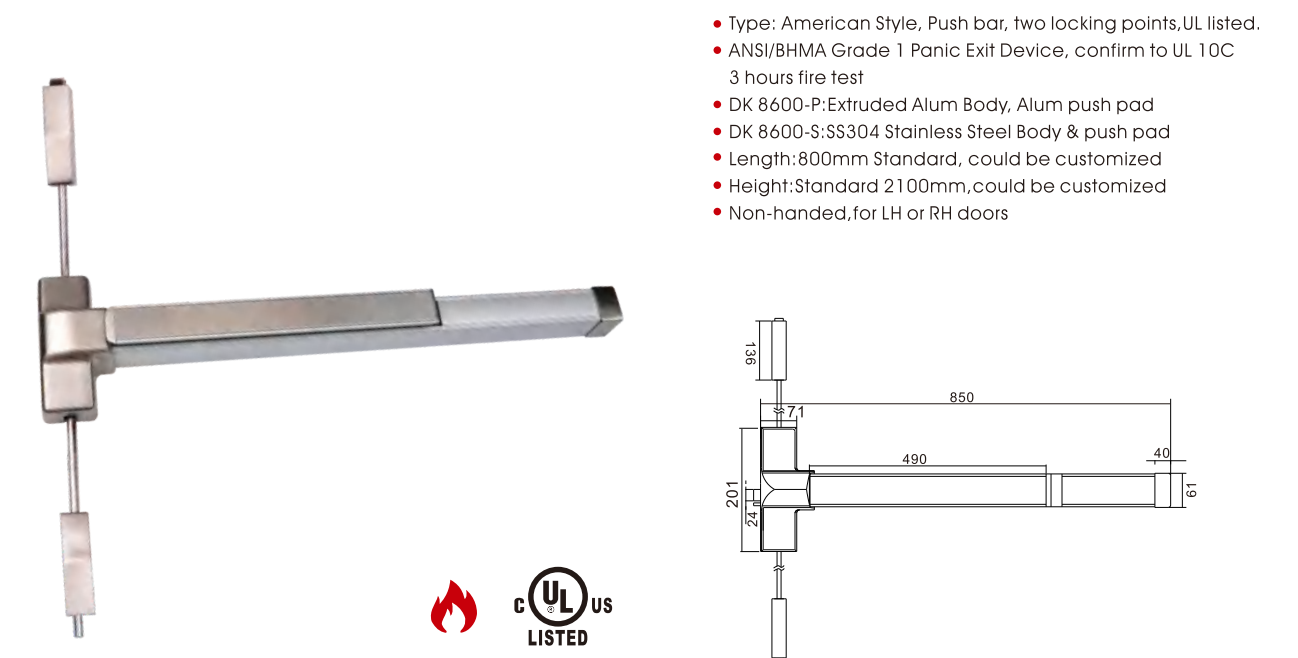
TOUCH BAR VERTICAL TYPE 216 SERIES



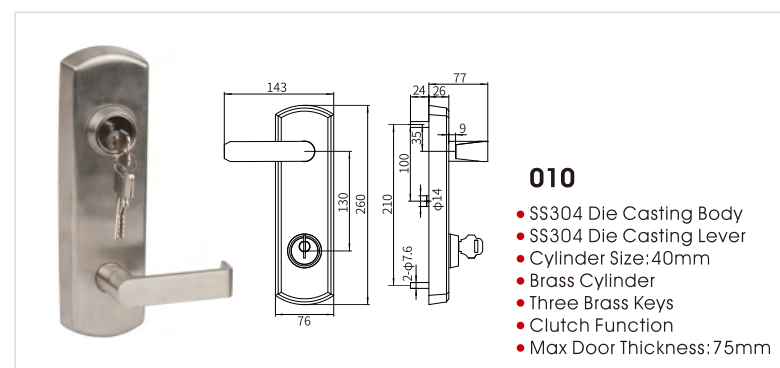
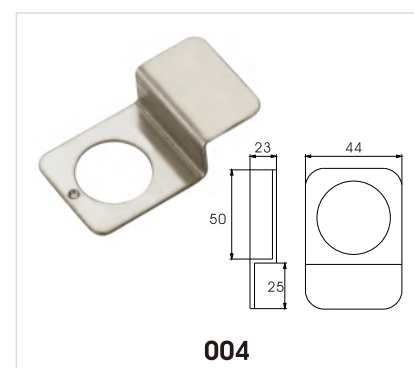
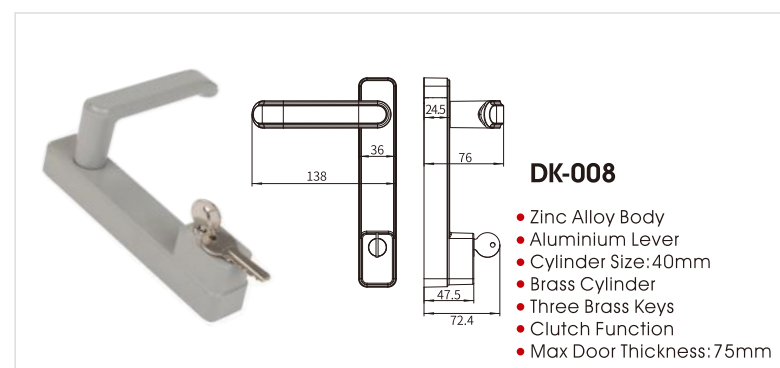
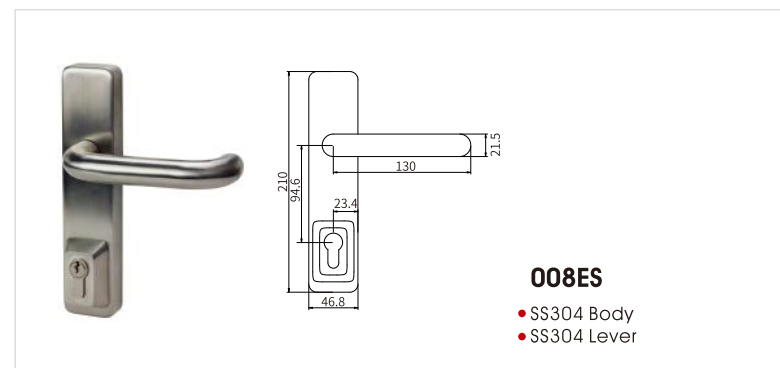
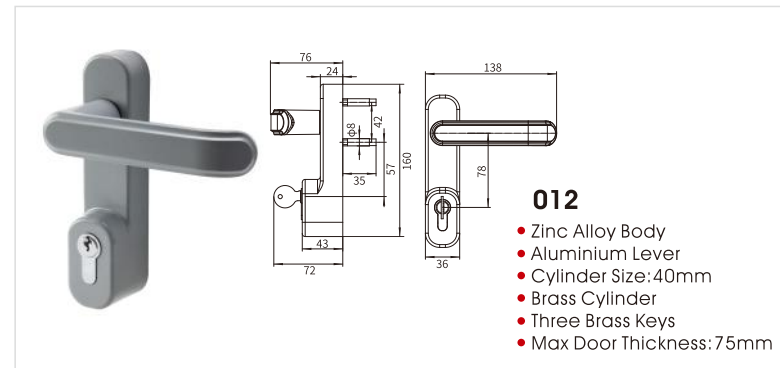
TOUCH BAR RIM TYPE FIRE RATED F8000 SERIES



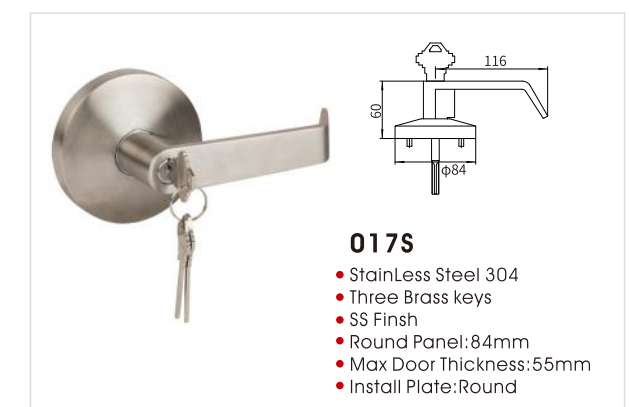
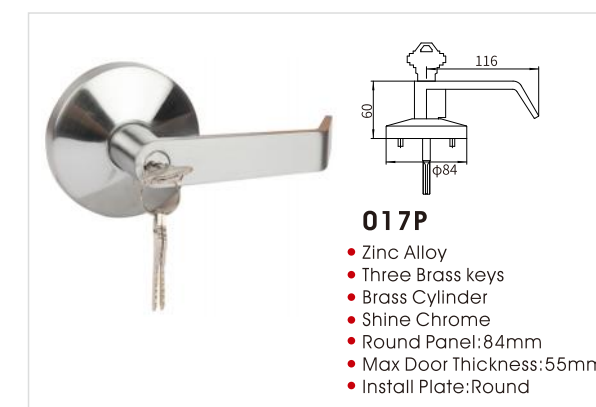
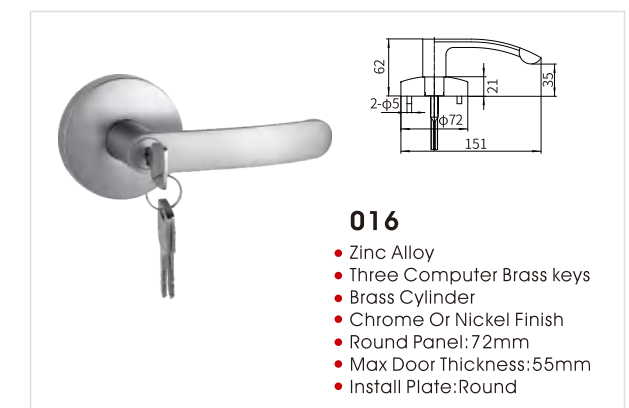
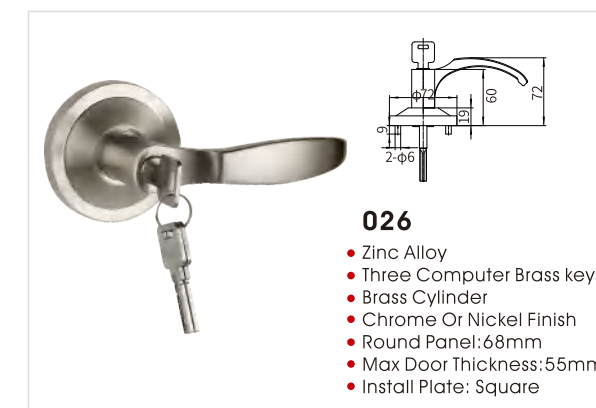
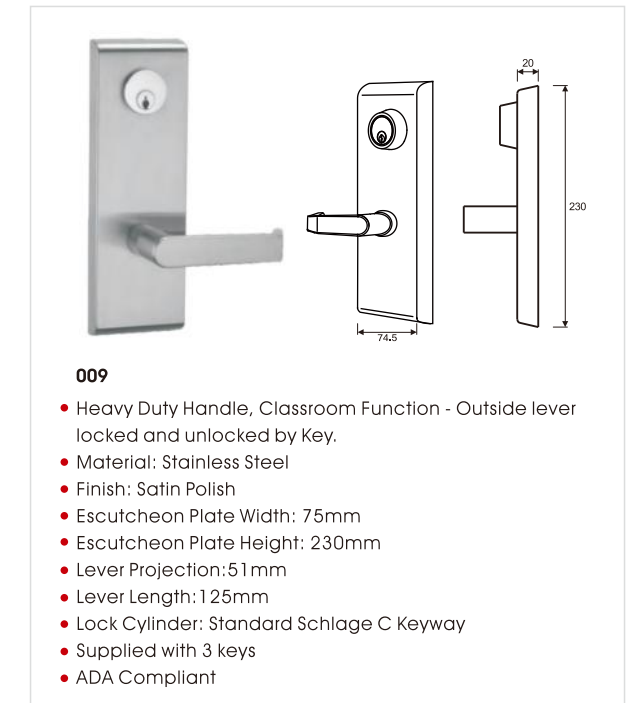
TOUCH BAR VERTICAL TYPE FIRE RATED F8600 SERIES



EXTERNAL TRIM LOCK FOR TOUCH BAR PANIC EXIT DEVICE

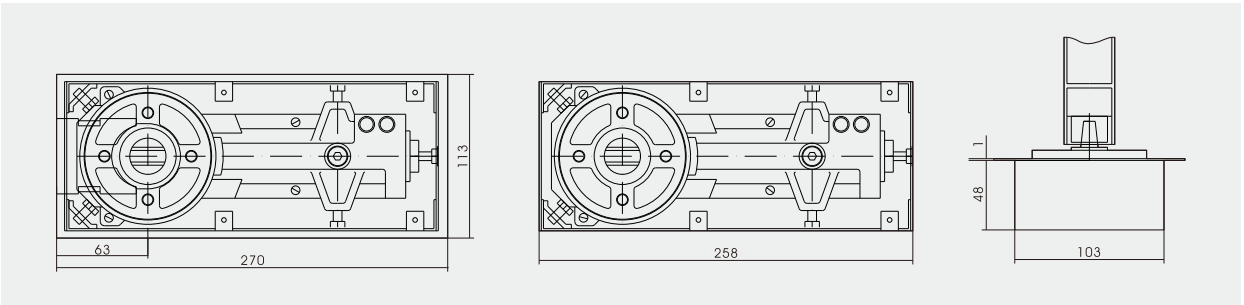
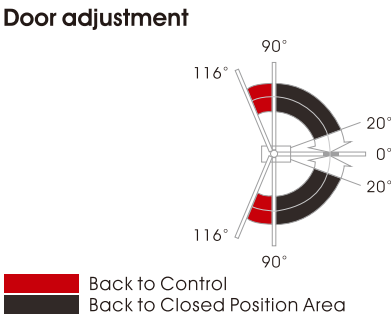


EXTERNAL TRIM LOCK FOR TOUCH BAR PANIC EXIT DEVICE



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

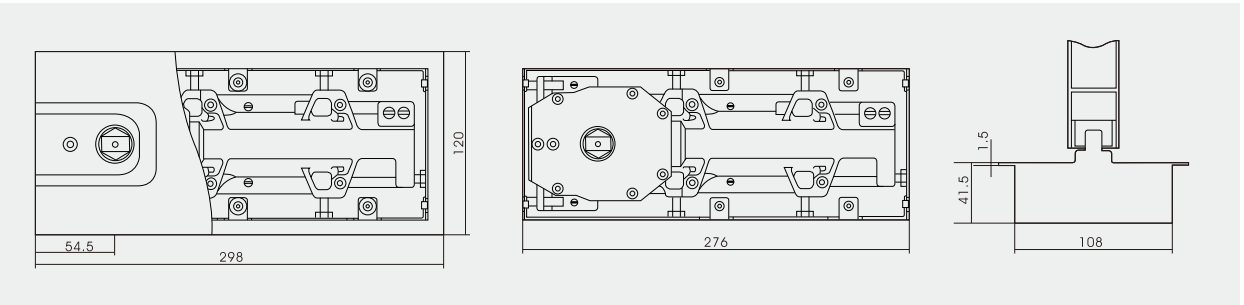
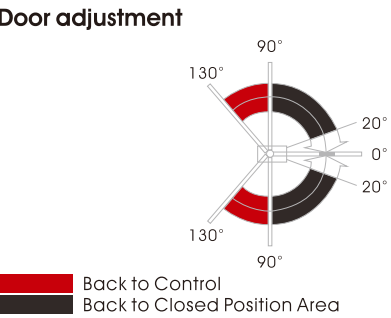


FR40A



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

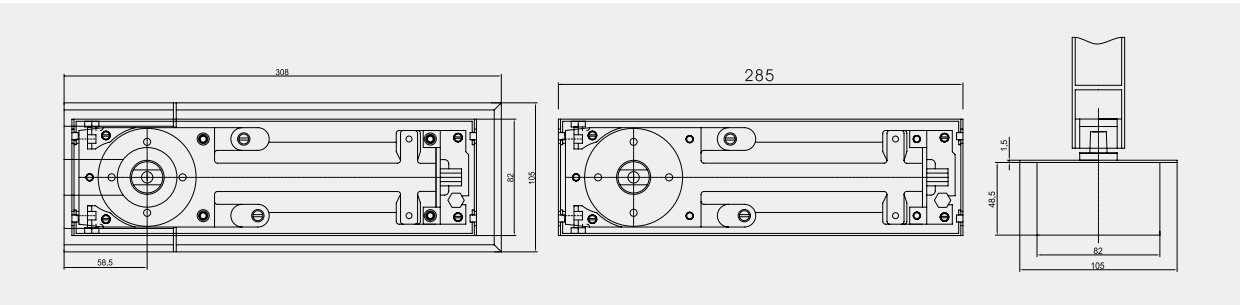
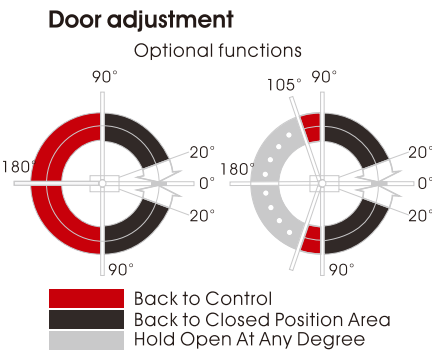


FR50A



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

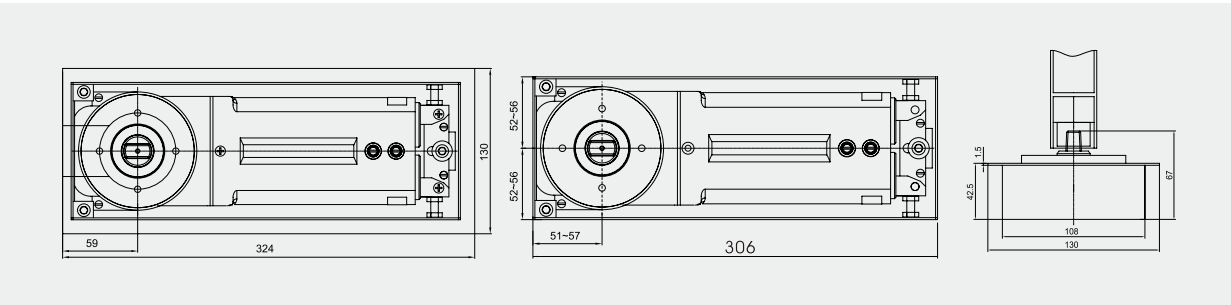
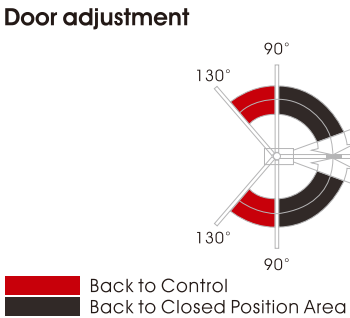


FR75V



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



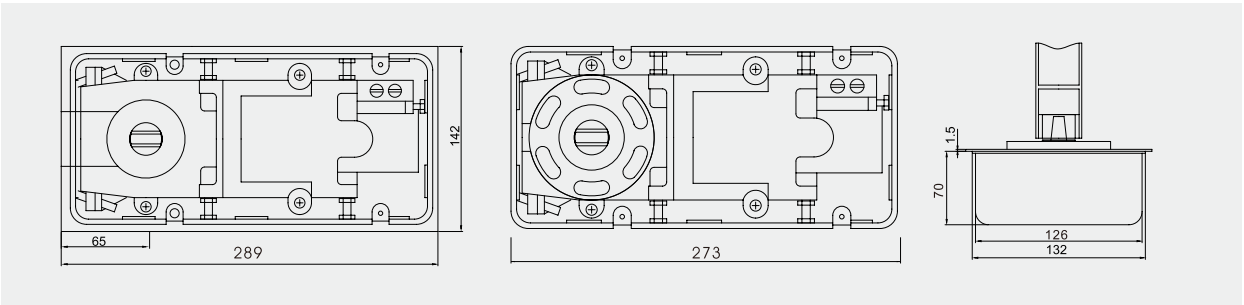
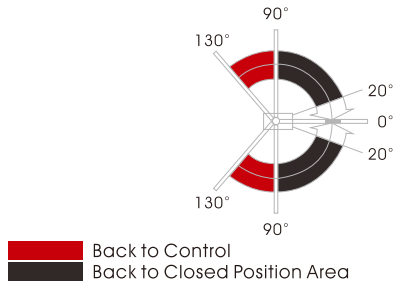
FR84



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

Door adjustment



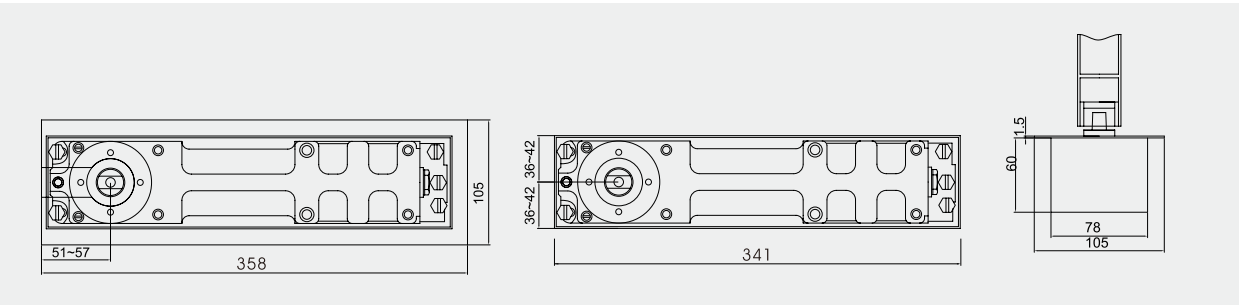
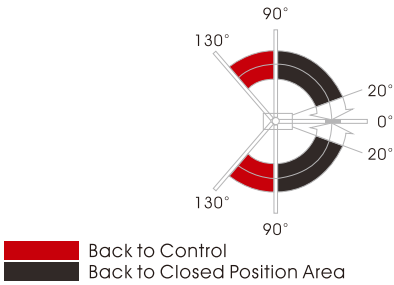
FR7300



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

Door adjustment



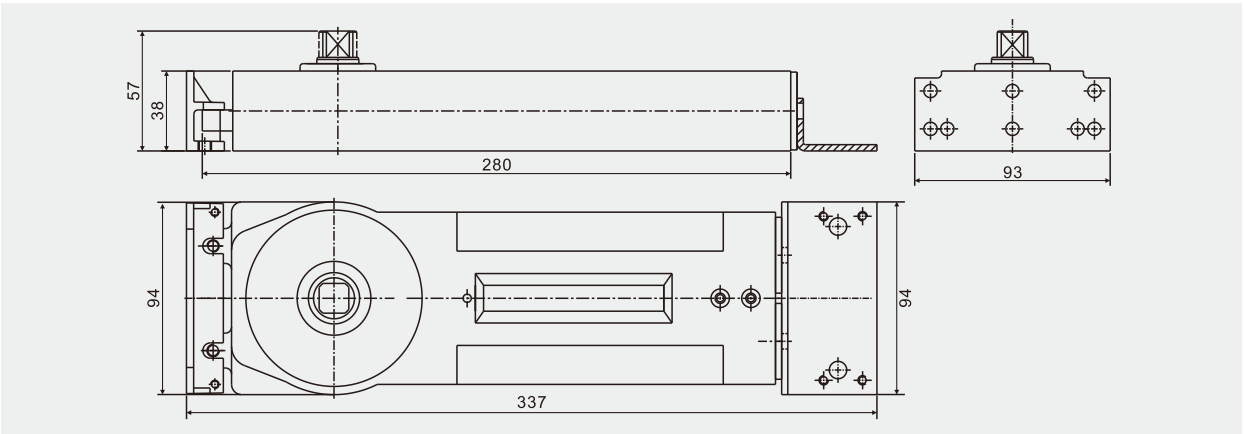
FRTS80



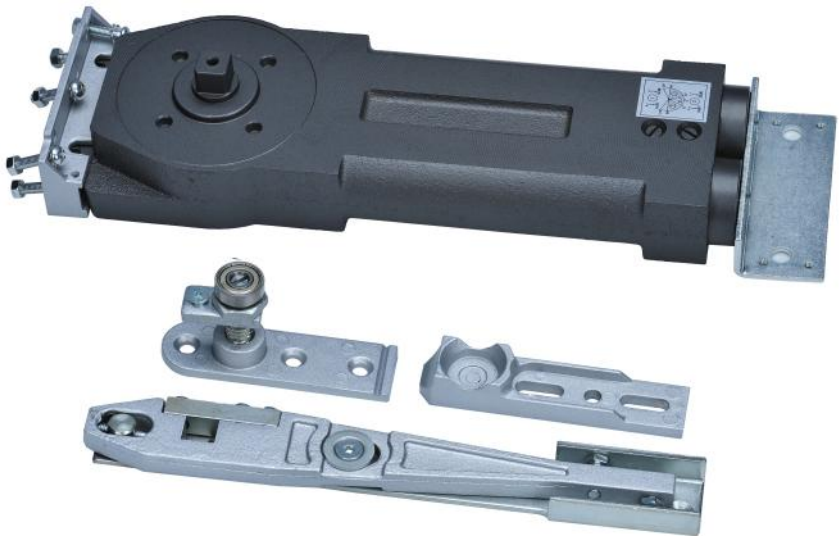
Technical Info & Function

POWER	EN-2	EN-3	EN-4
MAXIMUM DOOR WIDTH	850mm	950mm	1100mm
MAXIMUM DOOR WEIGHT	80Kg	100Kg	120Kg
MAXIMUM OPENING ANGLE	130°		
SPEED CONTROL 1	90° TO 25°		
SPEED CONTROL 2	25° TO 0°		
HOLD OPEN	105°& 90°		
TRANSOM CLOSER WEIGHT	4.50Kg	4.60Kg	4.70Kg
Length	283mm		
Width	94mm		
Height	40.5mm		
TESTED	500.000 Cycles		

- Dual valves speed adjustment.
Speed 1 from 90° to 25°
Speed 2 from 25° to 0°
- Maximum opening angle: 130°
- Easy installation:
- German standard sizes.
- Suitable for left and right hand opening doors.



TS70



1073



1073D

	1073	1073D
Working Voltage	12VDC	
Working current	1.5~3A	
Unlock time	1S	
Ambient temperature	-25℃~50℃	
Lock tongue length	13mm	
Scope of application	resident's house, specially for gate, government, school, hotel, factory warehouse	
Product Size	150*106*35mm	

Intelligent Electric lock



LK200
LK200-Z



LK200S
LK200-ZS

	LK200	LK200-Z	LK200S	LK200-ZS
Working Voltage	12VDC-18VDC			
Starting current	800mA			
Sustained current	60mA			
Ambient temperature	-25℃~50℃			
Lock tongue length	≥18mm			
Scope of application	intelligent community, factory, warehouse, base station, and building intercom, intelligent accesscontrol system			
Product Size	132*100*60mm		132*100*70mm	
Signal output	X	Output of the status signal	X	Output of the status signal



OB280H Series



OB280F Series



OB280T Series

UL and 3 hours Fire rated, File No.R40703     RoHS  REACH  

	OB280H	OB280HA	OB280HB	OB280F	OB280FA	OB280T	OB280TA	OB280TB
Working voltage	12VDC(24VDC upon request)							
Working current	400mA					400mA*2		
Operating temperature	-25℃~60℃							
Working humidity	10%~90%RH							
Feature	Power off to unlock (Fail safe)							
Installation method	Hanging installation			Mortise installation		Hanging installation		
Holding Force	280KG±10%					280KG±10%*2		
Door opening angle	90°			/		90°		
Panel material	High strength aluminum alloy							
Finish	Oxidation & brushed finishing							
Signal output	/	NO/COM/NC		/	NO/COM	/	NO/COM/NC	
Indicator light	Power indicator	Red shows locked ; Green shows unlocked		/		Power indicator	Red shows locked ; Green shows unlocked	
Time delay adjustment	/		0-10s	/		/		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							



CK280H Series



CK280F Series



CK280T Series

 RoHS  REACH  

	CK280H	CK280HA	CK280HB	CK280F	CK280FA	CK280T	CK280TA	CK280TB
Working voltage	12VDC(24VDC upon request)							
Working current	400mA					400mA*2		
Operating temperature	-25℃~60℃							
Working humidity	10%~90%RH							
Feature	Power off to unlock (Fail safe)							
Installation method	Hanging installation			Mortise installation		Hanging installation		
Holding Force	280KG±15%					280KG±15%*2		
Door opening angle	90°			/		90°		
Panel material	High strength aluminum alloy							
Finish	Oxidation & brushed finishing							
Signal output	/	NO/COM/NC		/	NO/COM	/	NO/COM/NC	
Indicator light	Power indicator	Red shows locked ; Green shows unlocked		/		Power indicator	Red shows locked ; Green shows unlocked	
Time delay adjustment	/		0-10s	/		/		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							



OB350H Series

OB350F Series

OB350T Series

UL and 3 hours Fire rated, File No.R40703     RoHS  REACH 

	OB350H	OB350HA	OB350HB	OB350F	OB350FA	OB350T	OB350TA	OB350TB
Working voltage	12VDC or 24VDC							
Working current	12V/400mA or 24V/200mA					12V/400mA or 24V/200mA*2		
Operating temperature	-25℃~60℃							
Working humidity	10%~90%RH							
Feature	Power off to unlock (Fail safe)							
Installation method	Hanging installation			Mortise installation		Hanging installation		
Holding Force	350KG±10%					350KG±10%*2		
Door opening angle	90°			/		90°		
Panel material	High strength aluminum alloy							
Finish	Oxidation & brushed finishing							
Signal output	/	NO/COM/NC		/	NO/COM	/	NO/COM/NC	
Indicator light	Power indicator	Red shows locked ; Green shows unlocked		/		Power indicator	Red shows locked ; Green shows unlocked	
Time delay adjustment	/		0-10s	/		/		0-10s
Standard sizes	238*53*29 mm			234*48*29 mm		476*53*29 mm		
Scope of application	Wooden door, Glass door, Metal door							



OB500H Series

OB500T Series

UL and 3 hours Fire rated, File No.R40703     RoHS  REACH 

	OB500H	OB500HA	OB500T	OB500TA
Working 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			
Feature	Power off to unlock (Fail safe)			
Installation method	Hanging installation (Surface installation)			
Holding Force	500KG±10%		500KG±10%*2	
Door opening angle	90°			
Panel material	High strength aluminum alloy			
Finish	Oxidation & brushed finishing			
Signal output	/	NO/COM/NC	/	NO/COM/NC
Indicator light	Power indicator	Red shows locked ; Green shows unlocked	Power indicator	Red shows locked ; Green shows unlocked
Time delay adjustment	It can be customized according to requirements.			
Standard sizes	267*73*42 mm		534*73*42 mm	
Scope of application	Wooden door, Glass door, Metal door			



OB180H Series OB180F Series OB180T Series OB280HW (Waterproof) OB60HW Series

UL and 3 hours Fire rated, File No.R40703
 



 RoHS
 
 REACH
 

	OB180H	OB180F	OB180T	OB280HW (Waterproof)	OB60HW
Working 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	Mortise installator	Hanging installation		
Holding Force	180KG±10%		180KG±10%*2	280KG±10%	60KG±5%
Door opening angle	90°				
Panel material	High strength aluminum alloy			304 Stainless Steel Shell	/
Finish	Oxidation & brushed finishing			brushed finishing	/
Signal output	no (Output of the status signal upon request)				
Time delay adjustment	no				
Standard sizes	174*41*23.5 mm	206*36*23.5 mm	348*41*23.5 mm	228*52*28 mm	105*27*20 mm
Scope of application	Wooden door, Glass door, Metal door				



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	L-CK280H 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	Z-CK280H SIZE	Z500H SIZE
228*32*52mm	267*46*73mm	150*51*41.5mm	160*50*50mm	180*46*46mm	185*67*51mm



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



OB-K31

OB-K31 Metal Standalone Access Controller

	OB-K31
Working voltage	DC12V
Static current	<40mA
Working temperature	-20℃~60℃
Working humidity	10%~90%RH
User capacity	1000
Shell material	Zinc alloy frame, cover PMMA
open mode	card, password, card+password
Card type	125KHZ EM4001 (IC card upon request)
Weigand interface	Weigand26 input
Card reading distance	1-5cm
Size	120*76*27mm



OB-K33

OB-K33 Single Door Access Control Machine

	OB-K33
Working voltage	DC12V
Static current	<60mA
Working temperature	-20℃~60℃
Working humidity	10%~90%RH
User capacity	1000
Password capacity	1000
open mode	card, password, card+password
Card type	125KHZ EM4001 (IC card upon request)
Card reading distance	1-5cm
Size	120*78*22 mm



OB-K36

OB-K36 Touch Button Control machine

	OB-K36
Working voltage	DC12V
Static current	<30mA
Working temperature	-40℃~60℃
Working humidity	10%~90%RH
User capacity	2000
Password capacity	2000
open mode	card, password, card+password
Card type	125KHZ EM4001 (IC card upon request)
Weigand interface	Weigand26 input and output
Card reading distance	2-5cm
Size	114*75*16mm



OB-10

	OB-10
Working Voltage	12VDC(24VDC upon request)
Starting current	450mA
Sustained current	450mA
Working humidity	10%~90%RH
Feature	Power off to unlock (Fail safe)
Time delay adjustment	no
Scope of application	Glass doors, wooden doors, metal doors, fire doors
Working temperature	-20℃~55℃
Induction distance	≥10mm
Open Angle	180°
Signal Output	no
Bolt	Stainless steel 15mm throw
Product Size	203*34*40mm



OB-12

	OB-12
Working Voltage	12VDC ~ 24VDC
Starting current	12V/900mA,24V/600mA
Sustained current	12V/90mA,24V/60mA
Working humidity	10%~90%RH
Feature	Power off to unlock (Fail safe)
Time delay adjustment	0s, 2.5s, 5s, 8s
Scope of application	Glass doors, wooden doors, metal doors, fire doors
Working temperature	-20℃~55℃
Induction distance	≥10mm
Open Angle	180°
Signal Output	Door status signal output (NO/COM)
Bolt	Stainless steel 15mm throw
Product Size	203*34*40mm



OB-13

	OB-13
Working voltage	12VDC ~ 24VDC
Starting current	DC12V/1.35A,DC24V/1.1A
Sustained current	DC12V/0.25A,DC24V/0.12A
Working humidity	10%~90%RH
Feature	Power off to lock (Fail secure)
Time delay adjustment	0s, 2.5s, 5s, 8s
Scope of application	Glass doors, wooden doors, metal doors, fire doors
Working temperature	-20℃~55℃
Induction distance	≥10mm
Cylinder	one side is key, another side is knob
Open Angle	180°
Signal Output	Door status signal output (NO/COM)
Bolt	Stainless steel 15.5mm throw
Product Size	250*30*36.5mm

Electric Bolt Lock



OB-18 (Fail safe)



OB-18 (Fail secure)

	OB-18 (Fail safe)	OB-18 (Fail secure)
Working Voltage	12VDC-24VDC	
Starting current	12V 1.2A/DC24V 1A	
Sustained current	DC12V/0.25A,DC24V/0.15A	
Working humidity	10%-90%RH	
Time delay adjustment	0s, 1s, 3s, 6s	
Scope of application	Glass doors, wooden doors, metal doors, fire doors	
Induction distance	≥10mm	
Open Angle	180°	
Signal output	Door status signal output (NO/COM)	
Bolt	Stainless steel 14mm throw	
Product Size	177*30*35mm	

Electric Strike



OB-SK20 Series



OB-SK21 Series



OB-SK22 Series



OB-SK23 Series



OB-SK23C Series

	OB-SK20	OB-SK21	OB-SK22	OB-SK23	OB-SK23C
Frame Size	150*28*3mm	150*40*3mm	200*40*3mm	250*25*3mm	250*25*3mm
Body Size	150*28*34mm	150*40*34mm	200*40*34mm	250*25*34mm	250*25*31.6mm
Working voltage	12VDC(24VDC upon request)				12VDC
Working current	Fail safe is 250mA,Fail secure is 650mA				900mA
Feature	Fail safe/fail secure/Fail safe with signal/fail secure with signal				Fail secure
Ambient temperature	-20℃~50℃				-20℃~50℃
Pressure resistance	350KG				300KG

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	181*82*63mm	210*172*70mm	181*82*63mm

OB-M158W Series For Autodoor



OB-M158

	OB-M158
Working voltage	DC12V
Working temperature	-25℃~60℃
Holding Force	60KG
Feature	Power off to unlock (Fail safe)
Body Size	60*75*70mm
Working current	180mA
Working humidity	10%~90%RH
Application range	Autodoor, fire doors
Signal output	Can be customized
Armature plate size	108*56*49mm



OB-M159F

OB-M159W & OB-M159F Series For Fire Door

	OB-M159W & OB-M159F
Working voltage	DC12V
Working temperature	-25℃~60℃
Holding Force	60KG
Emergency devices	With emergency switch device
Feature	Power off to unlock (Fail safe)
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
Signal output	Can be customized
Armature plate size	69*65*52mm



OB-M159W

OB-M159G Series For Glass Door

	OB-M159G
Working voltage	DC12V
Working temperature	-25℃~60℃
Holding Force	60KG
Emergency devices	With emergency switch device
Feature	Power off to unlock (Fail safe)
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
Signal output	Can be customized
Armature plate size	72*30,5*109,5mm



OB-M159G



BTG100

BTG200

BTG300

	BTG100	BTG200	BTG300
Product material	Aluminum alloy	Stainless steel brushed	
Application range	The lower frameless glass is used exclusively		Fully frameless glass door
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	210*58*45mm

Exit Button



EB-01

EB-02

EB-05



EB-04

EB-07
Touchless Exit Button

EB-08
Touch Exit Button

	EB-01	EB-02	EB-05	EB-07	EB-04	EB-08
Working voltage	12VDC ~ 24VDC					
Load current	1A					
Working temperature	-20℃ ~ 50℃					
Working humidity	10% ~ 90%RH					
Switch Type	Normally open type not self-locking					
Faceplate material	Aluminum alloy	Stainless steel brushed			Plastic faceplate	
Usage life	550,000 times					
Application range	Suitable for use with the Royal Family					
IR detection	X			Y	X	
Sensing distance	X			0.1-20cm	X	
Product Size	80*30*25mm	118*39*28mm	86*86*28mm	86*86*38mm	86*86*28mm	86*86*21mm