



DOOR HARDWARE



Locations

Barwa Village-Shop 37, Building 8, Doha-Qatar

Al Qusais Ind3, Store No.10, Dubai, U.A.E

Novella 1804 15 Stanley Street Salford Postcode M3 5GW Manchester England

 sanmarinoqatar.com

2025
DOOR SYSTEMS
DOOR TRIMS THAT GO BEYOND THE NORM

We've been honing our skills in the metal manufacturing industry for more than two decades to create something that transcends branding - and that's culture.

28
YEARS

OPTIONAL FINISHES



GP	Gold Plated
BN	Black Nickel
YN	Yellow Nickel
SG	Satin Gold
MSN	Matt Satin Nickel
CP	Chrome Plated
BB	Brass Brushed
PB	Polished brass
AC	Antique Copper Brushed
MAB	Matt Antique Brass
MBS	Black Satin Nickel
NP	Nickel Plated
SC	Chrome Satin
SN	Nickel Satin

SS	Satin Stainless Steel
PSS	Polished Stainless Steel
PVD	Physical Vapour Deposition
RG	Rose Gold
STL	Satin Sky Green
DAC	Dark Antique Copper
DAB	Dark Antique Brass
BS	Black Satin Nickel
MSB	Matt Satin Brass
RGS	Matt Satin Brass
DBN	Matt Black Nickel
BLK	Matt Black
COF	Coffee
WH	White

PRODUCT CATALOGUE



MINIMALIST LOCK
SERIES
001-003



SPLIT DOOR
HANDLE SERIES
004-032



BALL LOCK
SERIES
033-034



PURE COPPER
DOOR LOCK SERIES
035-039



ZINC ALLOY
DOOR LOCK SERIES
040-054



SMART LOCK
SERIES
055-070



STAINLESS STEELS
DOOR LOCK SERIES
071-084



DOOR HANDLE
SERIES
085-102



LOCKING
SERIES
103-122



3D HINGE
SERIES
123-128



HINGE
SERIES
129-135



ACCESSORIES
SERIES
136-146



DOOR CLOSER
SERIES
147-176



PUSH TYPE PANIC
BAR SERIES
177-184



HINGE SLIDE
SERIES
185-188



BARN DOOR
SERIES
189-189

SPLIT DOOR HANDLE SERIES

01

DOOR HARDWARE



Locations

SM
San Marino

sanmarino

Barwa Village-Shop 37, Building 8, Doha-Qatar | Al Qusais Ind3, Store No.10, Dubai, U.A.E

Novella 1804 15 Stanley Street Salford Postcode M3 5GW Manchester England

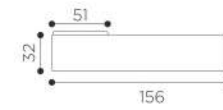
 sanmarinoqatar.com

RK.4111.MSN

Material: Aluminium alloy



Size



Magnetic suction lock body door handle can effectively reduce the noise generated by opening and closing the door. It is very suitable for use in bedrooms, study rooms, offices and other rooms that need to be kept quiet.

Door lock handle details:
- Product name: Door knob with key/
Door handles with lock/Door lever lock set
- Color: A,B,C,D,E
- Material: Aluminium alloy
- Adapted door thickness: 35-50mm
- Door opening direction: Universal
- Whether with key: YES
- Center distance: 60mm
- Latch Type: Magnetic lock body
- Applicable scene: bathroom, studio, balcony, porch, patio, kitchen, bedroom, closet, living room, dining room, home office/study, utility room/laundry room, corridor, garage, toilet



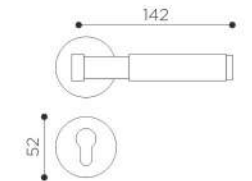
RK.4110.BLK

ZR230466

Material: Zinc Alloy



Size



BLK | Black



MSB | Matt Satin Brass



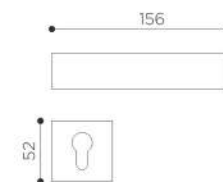
MSN | Matt Satin Nickel

RH.9693

Material: Zinc Alloy



Size



BLK | Black



MBS | Black Satin Nickel



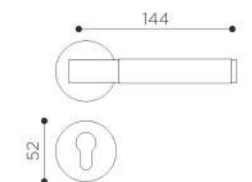
MSN | Matt Satin Nickel

ZR220540

Material: Zinc Alloy



Size



MSB | Matt Satin Brass



PVD | Physical Vapour Deposition



MSN | Matt Satin Nickel



MBS | Black Satin Nickel



BLK | Black



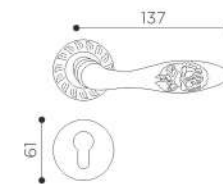
RG | Rose Gold

ZR-416

Material: Zinc Alloy



Size



BLK | Black



MSN | Matt Satin Nickel



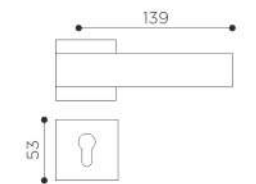
PVD | Physical Vapour Deposition

ZR180603

Material: Zinc Alloy



Size



BLK | Black



MSB | Matt Satin Brass



MAB | Matt Antique Brass



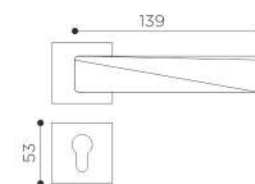
PVD | Physical Vapour Deposition

ZR180601

Material: Zinc Alloy



Size



BLK | Black



MSN | Matt Satin Nickel



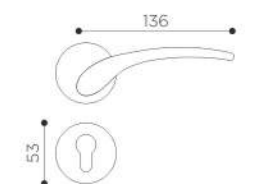
PVD | Physical Vapour Deposition

ZR180605

Material: Zinc Alloy



Size



MSN | Matt Satin Nickel



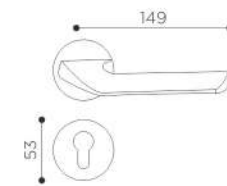
CP | Chrome Plated

ZR180606

Material: Zinc Alloy



Size



MBS | *Black Satin Nickel*



MSN | *Matt Satin Nickel*



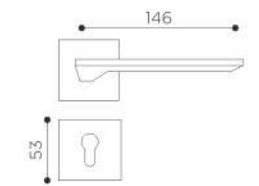
PVD | *Physical Vapour Deposition*

ZR190907

Material: Zinc Alloy



Size



MSN | *Matt Satin Nickel*



MBS | *Black Satin Nickel*



BLK | *Black*



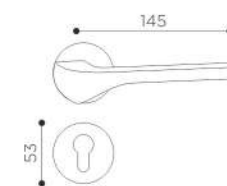
PVD | *Physical Vapour Deposition*

ZR180701

Material: Zinc Alloy



Size



MBS | *Black Satin Nickel*



MSN | *Matt Satin Nickel*



MAB | *Matt Antique Brass*



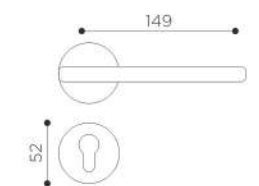
PVD | *Physical Vapour Deposition*

ZR190908

Material: Zinc Alloy



Size



BLK | *Black*



MSN | *Matt Satin Nickel*



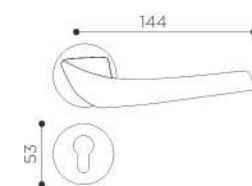
PVD | *Physical Vapour Deposition*

ZR191238

Material: Zinc Alloy



Size



MSN | *Matt Satin Nickel*



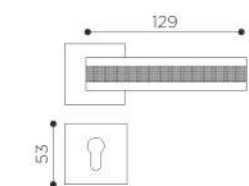
MSB | *Matt Satin Brass*

ZR200751

Material: Zinc Alloy



Size



COF | *Coffee*



MSN | *Matt Satin Nickel*



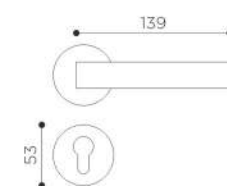
MBS | *Black Satin Nickel*

ZR191241

Material: Zinc Alloy



Size



MSB | *Matt Satin Brass*



BLK | *Black*



BN | *Black Nickel*



CP | *Chrome Plated*



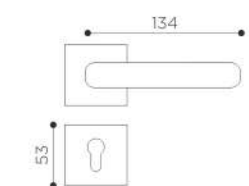
PVD | *Physical Vapour Deposition*

ZR200752

Material: Zinc Alloy



Size



MSN | *Matt Satin Nickel*



BLK | *Black*



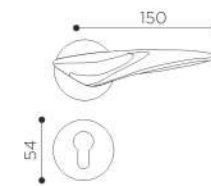
MSB | *Matt Satin Brass*

ZR200988

Material: Zinc Alloy



Size



MSN | *Matt Satin Nickel*



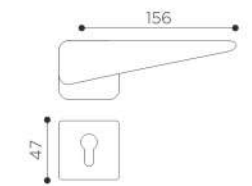
BLK | *Black*

ZR210147

Material: Zinc Alloy



Size



COF | *Coffee*



BLK | *Black*



MBS | *Black Satin Nickel*



MSN | *Matt Satin Nickel*



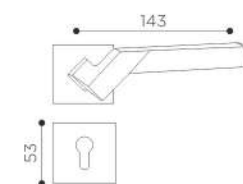
MSB | *Matt Satin Brass*

ZR210146

Material: Zinc Alloy



Size



MBS | *BLACK SATIN NICKEL*



MSN | *Matt Satin Nickel*



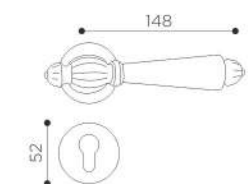
MSB | *Matt Satin Brass*

ZR210435

Material: Zinc Alloy



Size



MBS | *Black Satin Nickel*



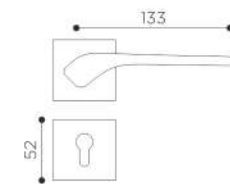
PVD | *Physical Vapour Deposition*

ZR210438

Material: Zinc Alloy



Size



MAB | Matt Antique Brass



PVD | Physical Vapour Deposition



BLK | Black



MBS | Black Satin Nickel



MSN | Matt Satin Nickel



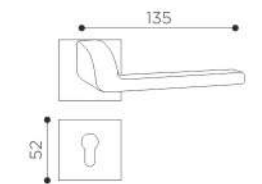
MSB | Matt Satin Brass

ZR220538

Material: Zinc Alloy



Size



BLK | Black



MBS | Black Satin Nickel



MSN | Matt Satin Nickel



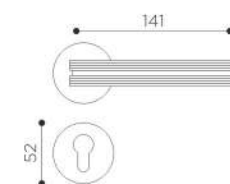
MSB | Matt Satin Brass

ZR210958

Material: Zinc Alloy



Size



BLK | Black



MSN | Matt Satin Nickel



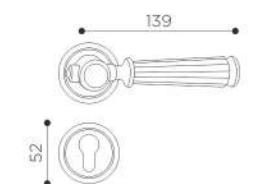
MSB | Matt Satin Brass

ZR220539

Material: Zinc Alloy



Size



BLK | Black



COF | Coffee



MAB | Matt Antique Brass



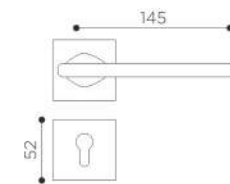
PVD | Physical Vapour Deposition

ZR220683

Material: Zinc Alloy



Size



BLK | Black



MBS | Black Satin Nickel



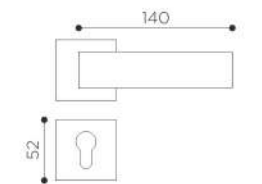
MSN | Matt Satin Nickel

ZR220933

Material: Zinc Alloy



Size



MSN | Matt Satin Nickel



MAB | Matt Antique Brass



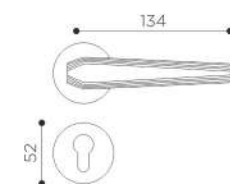
RG | Rose Gold

ZR220684

Material: Zinc Alloy



Size



BLK | Black



MBS | Black Satin Nickel



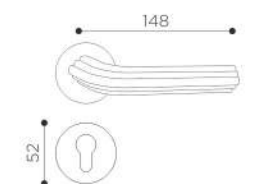
MSN | Matt Satin Nickel

ZR230400

Material: Zinc Alloy



Size



CP | Chrome Plated



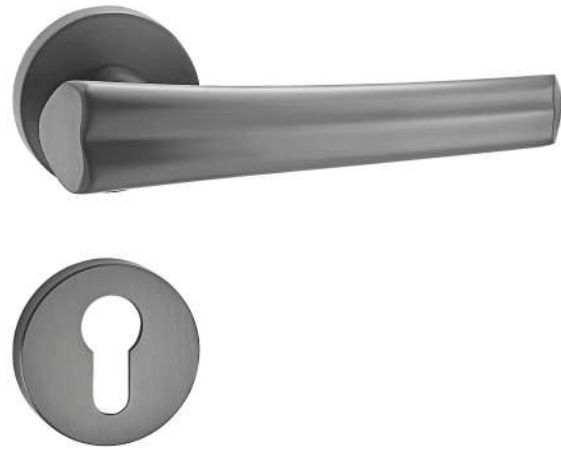
MSN | Matt Satin Nickel



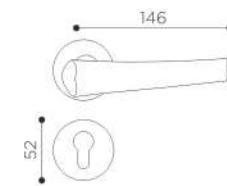
MSB | Matt Satin Brass

ZR230444

Material: Zinc Alloy



Size



MBS | *Black Satin Nickel*



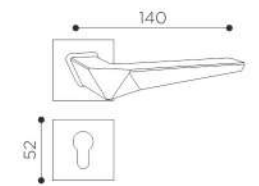
PVD | *Physical Vapour Deposition*

ZR230468

Material: Zinc Alloy



Size



MSN | *Matt Satin Nickel*



MSB | *Matt Satin Brass*



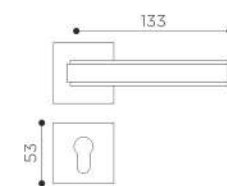
MAB | *Matt Antique Brass*

ZR230455

Material: Zinc Alloy



Size



MSB | *Matt Satin Brass*



COF | *Coffee*



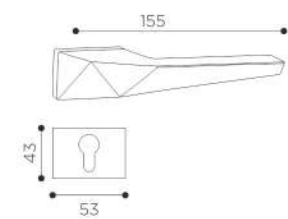
MAB | *Matt Antique Brass*

ZR230469

Material: Zinc Alloy



Size



MBS | *Black Satin Nickel*



BLK | *Black*



MSB | *Matt Satin Brass*



MSN | *Matt Satin Nickel*



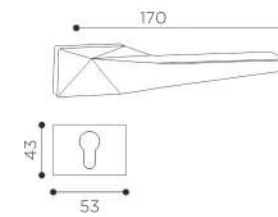
MAB | *Matt Antique Brass*

ZR230470

Material: Zinc Alloy



Size



MBS | *Black Satin Nickel*



MSB | *Matt Satin Brass*



MSN | *Matt Satin Nickel*



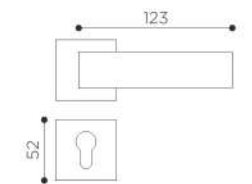
MAB | *Matt Antique Brass*

RH.9401

Material: Zinc Alloy



Size



BLK | *Black*



MSN | *Matt Satin Nickel*



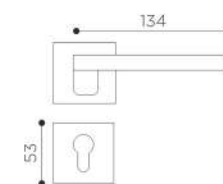
MAB | *Matt Antique Brass*

RH.9036

Material: Zinc Alloy



Size



MSN | *Matt Satin Nickel*



MBS | *Black Satin Nickel*



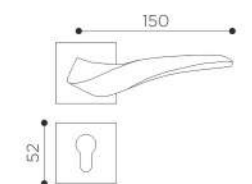
BLK | *Black*

RH.9518

Material: Zinc Alloy



Size



MBS | *Black Satin Nickel*



MSB | *Matt Satin Brass*



MSN | *Matt Satin Nickel*



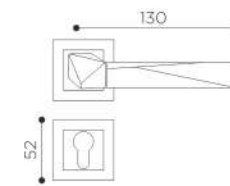
PVD | *Physical Vapour Deposition*

RH.9602

Material: Zinc Alloy



Size



MAB | Matt Antique Brass



MSN | Matt Satin Nickel



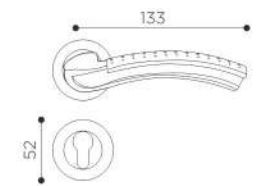
PVD | Physical Vapour Deposition

RH.9611

Material: Zinc Alloy



Size



MAB | Matt Antique Brass



PVD | Physical Vapour Deposition



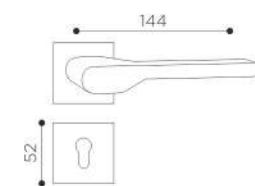
SNCP | Satin Nickel & Chrome Plated

RH.9610

Material: Zinc Alloy



Size



BLK | Black



MSN | Matt Satin Nickel



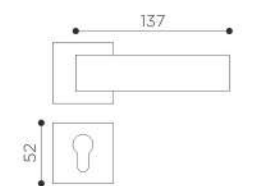
PVD | Physical Vapour Deposition

RH.9633

Material: Zinc Alloy



Size



BLK | Black



MSN | Matt Satin Nickel



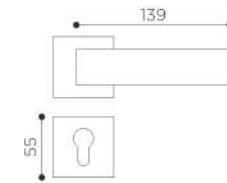
MAB | Matt Antique Brass

RH.9644

Material: Zinc Alloy



Size



BLK | *Black*



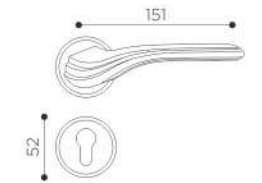
MAB | *Matt Antique Brass*

RH.9671

Material: Zinc Alloy



Size



BLK | *Black*



MSN | *Matt Satin Nickel*



MSB | *Matt Satin Brass*



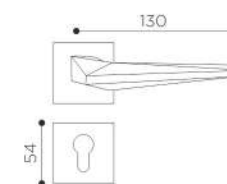
PVD | *Physical Vapour Deposition*

RH.9670

Material: Zinc Alloy



Size



MSN | *Matt Satin Nickel*



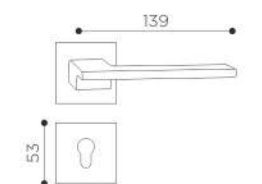
BLK | *Black*

RH.9673

Material: Zinc Alloy



Size



MSN | *Matt Satin Nickel*



MBS | *BLACK SATIN NICKEL*



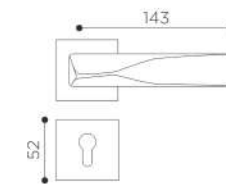
BLK | *Black*

RH.9675

Material: Zinc Alloy



Size



BLK | Black



MSN | Matt Satin Nickel



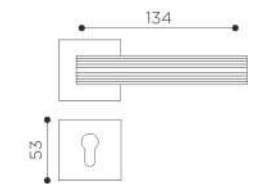
PVD | Physical Vapour Deposition

RH.9679

Material: Zinc Alloy



Size



BLK | Black



MBS | Black Satin Nickel



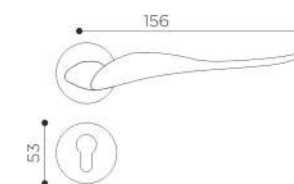
MSB | Matt Satin Brass

RH.9678

Material: Zinc Alloy



Size



MSN | Matt Satin Nickel



MSB | Matt Satin Brass



MAB | Matt Antique Brass



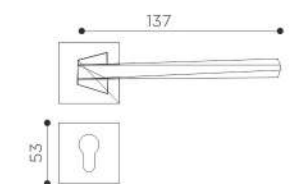
PVD | Physical Vapour Deposition

RH.9680

Material: Zinc Alloy



Size



BLK | Black



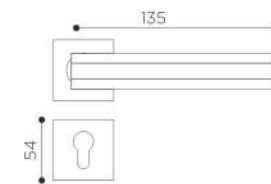
MSN | Matt Satin Nickel

RH.9682

Material: Zinc Alloy



Size



BLK | Black



MSN | Matt Satin Nickel



MAB | Matt Antique Brass



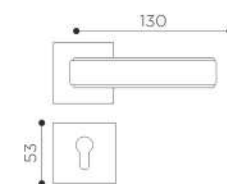
PVD | Physical Vapour Deposition

RH.9690

Material: Zinc Alloy



Size



MSB | Matt Satin Brass



BLK | Black

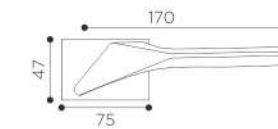


MSN | Matt Satin Nickel

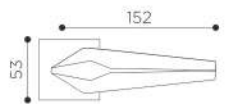


COF | Coffee

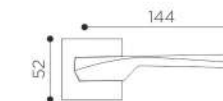
ZR-501 MSN



ZR200819 MSN



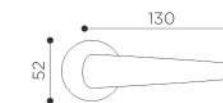
ZR200754 MSN



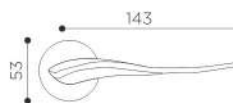
ZR18101 MSN



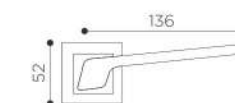
ZR-688 MSN



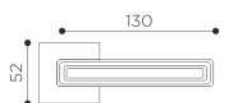
RH.9681.MSN



RH.9438.MSN



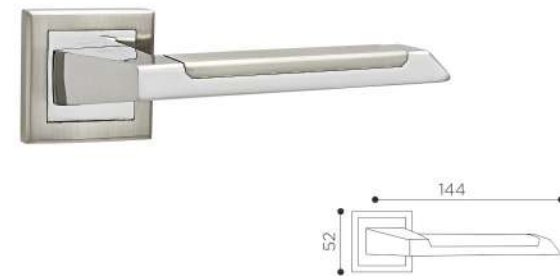
RH.9677.MSN



RH.9615.BLK



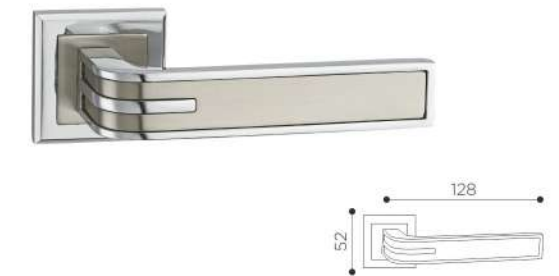
RH.9354.MSNCP



RH.9574.MSN



RH.9605.MSNCP



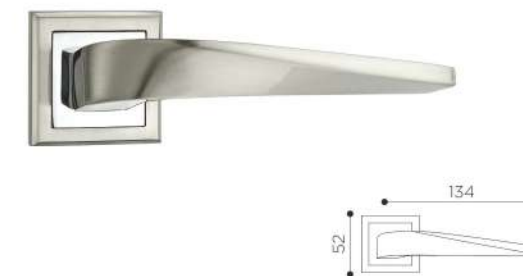
RH.9553.MSN



RH.9387.SNCP



RH.9728.SNCP



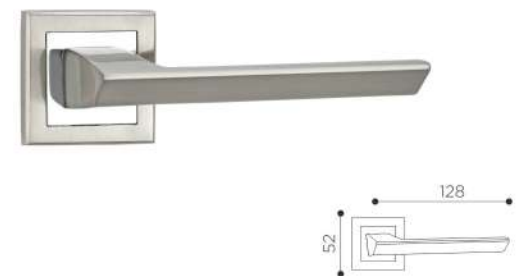
RH.9115.SNCP



RH.9341.SNCP



RH.9568.SNCP



RH.9092.SNCP



RH.9099.SNCP



RH.9715.DAB



RH.9280.SN



RH.9101.SNCP



RH.9391.SNCP

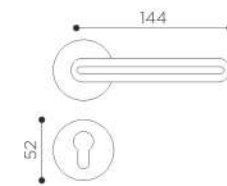


ALA.6691MSNCP

Material: Aluminum Alloy



Size



BLK/CP | Black

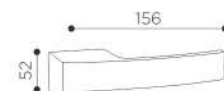


MSN/GP | Matt Satin Nickel

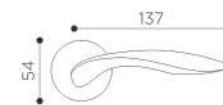


MSN/CP | Matt Satin Nickel

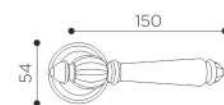
ALA.6017.MSN



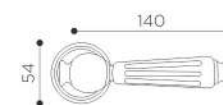
ALA.6537.MSN



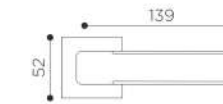
ALA.6538. MSB



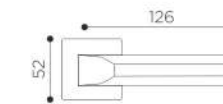
ALA.6539.PVD



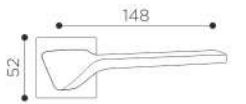
ALA.6782.DAB



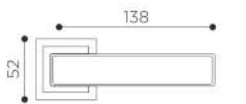
ALA.6403.MSN



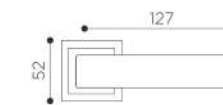
ALA.6589.BLK.R31R



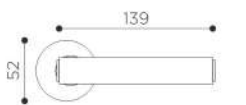
ALA.6501.MSNYK



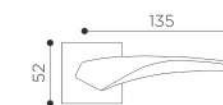
ALA.6683.MSN



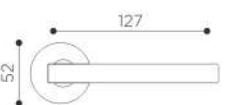
ALA.6515.MSN



ALA.6439.MSN



ALA.6239.MSN



KN.G01.SNCP



KN.G13.SN



RH.G23.SNCP.R6



KN.G24.MSN



KN.G14.PVD



KN.G15.SNCP



KN.G32.BLK



KN.G33.SNCP



KN.G21.SNCP



KN.G22.SN



KN.G40.SNCP



KN.G44.MSB



PANEL LOCK SERIES

02

DOOR HARDWARE



Locations

SM
San Marino

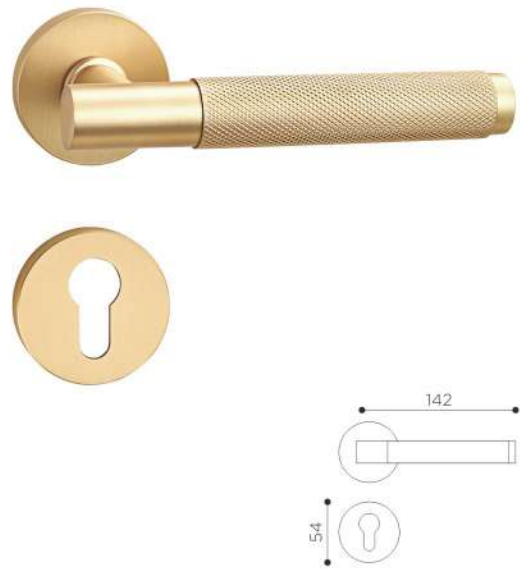
sanmarino

Barwa Village-Shop 37, Building 8, Doha-Qatar Al Qusais Ind3, Store No.10, Dubai, U.A.E

Novella 1804 15 Stanley Street Salford Postcode M3 5GW Manchester England

 sanmarinoqatar.com

BA.8832.MSB



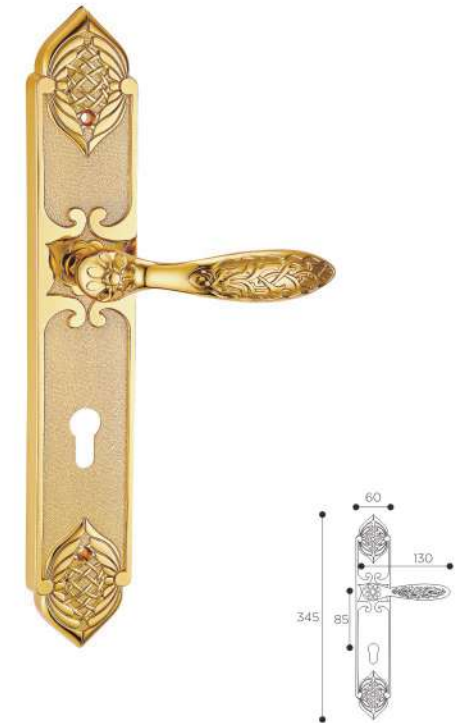
BA.8833.MSB



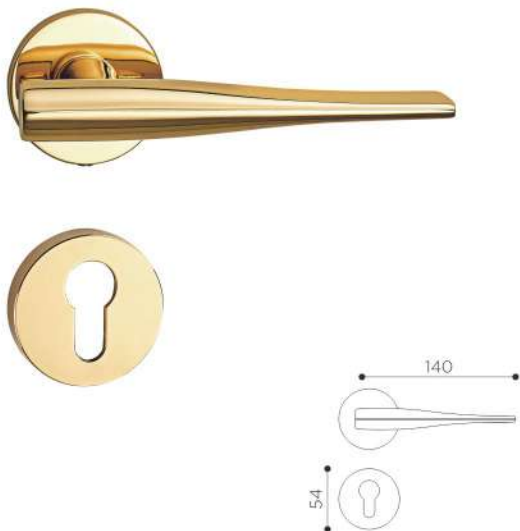
8810.8801.RGP



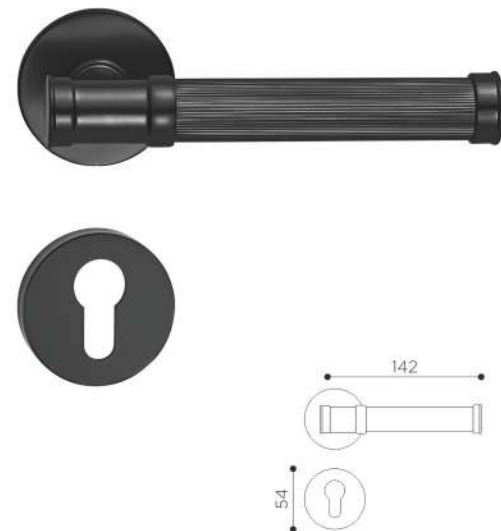
8812.8803.RGP



BA.8835.RGP



BA.8836.BLK



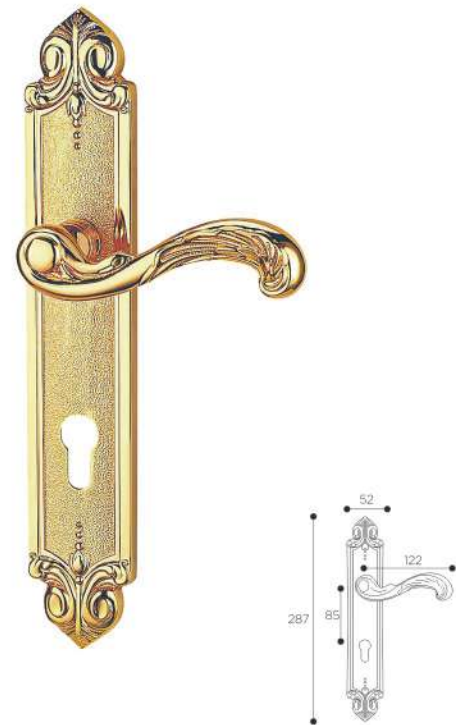
8814.8805.DAB



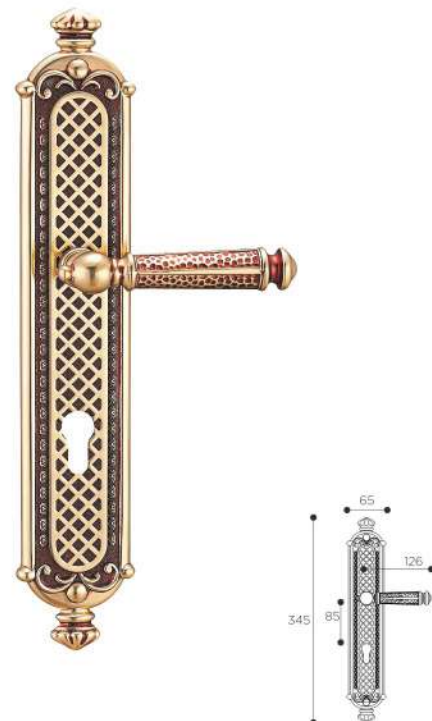
8823.8814.RGP



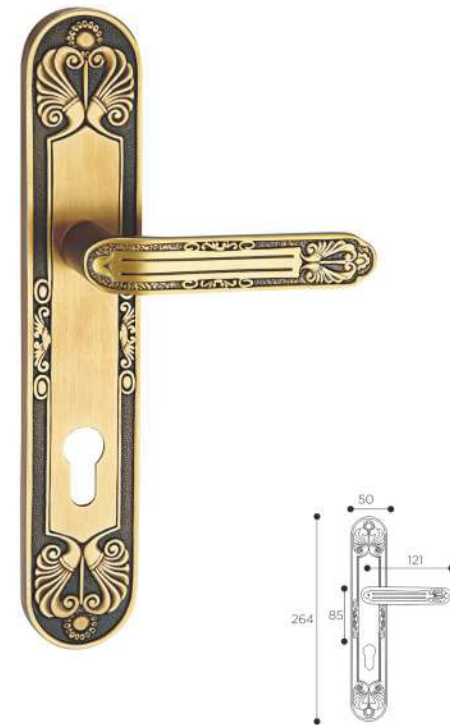
8825.8816.RGP



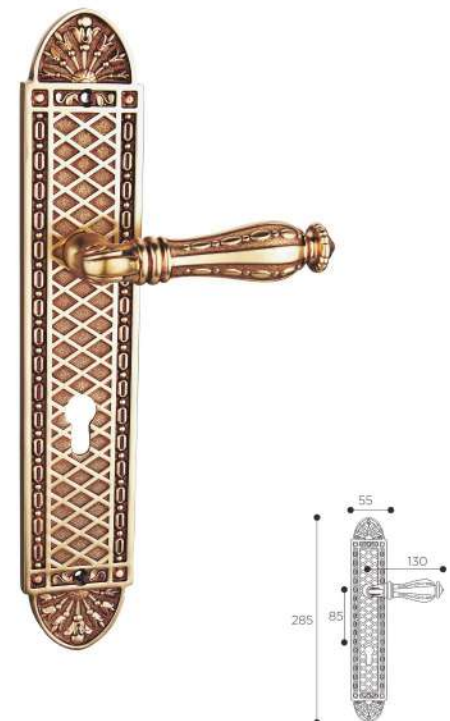
8840.8828.EG



8827.8812.DAB



8841.8829.EG



EH.8103.A.MSN

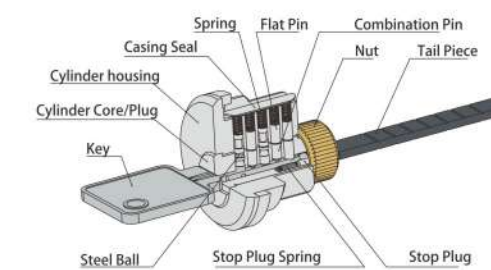


THE 5TH GENERATION MORTISE LOCK CASE

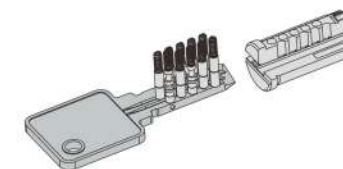


- Rotor: Solid investment-casting stainless steel 304, anti-rust, stronger and more durable than brass and zinc alloy.
- Cam: Solid investment-casting stainless steel 304, anti-rust, stronger and more durable than brass and zinc alloy.
- Casing: High class imported EGI (electric galvanized) steel, higher grade fingerprint resistant, thickness 1.5mm.
- Latch: Solid investment-casting stainless steel 304, anti-rust, stronger and more durable than brass and zinc alloy, easily reversible for left and right handing.
- Deadbolt: Solid stainless steel 304, reinforced with two hardened steel inserts, anti-saw, anti-rust, stronger and more durable than brass and zinc alloy, offering maximum protection and security.
- Forend (thickness 3.0mm)/Strike plate (thickness 1.5mm): Solid stainless steel 304 or brass.

The Structure Of 81 Series Cylinder



Double-row-pin With Construction Key Function



THE 3RD GENERATION HIGH-1 TECH CYLINDER



- High-tech solid brass cylinder (Brass for housing, core/ plug, pins and nut).
- Machined by precise CNC (Computer Numeric Control) equipments according to the most strict QA standard.
- Keyway: Double-Row- Pin technology, 10 pins, pin-combinations are much more than international standard, extremely security.
- Construction key function available: Each cylinder with 5 pcs OWNER keys + 1 pc CONSTRUCTION key, all keys are made by solid brass, thickness 2.5mm. Hardened process for tail-piece, stronger and more durable.

HP.9500.9350/200 SNCP-R



HP.9251.9280/100 SNCP-R



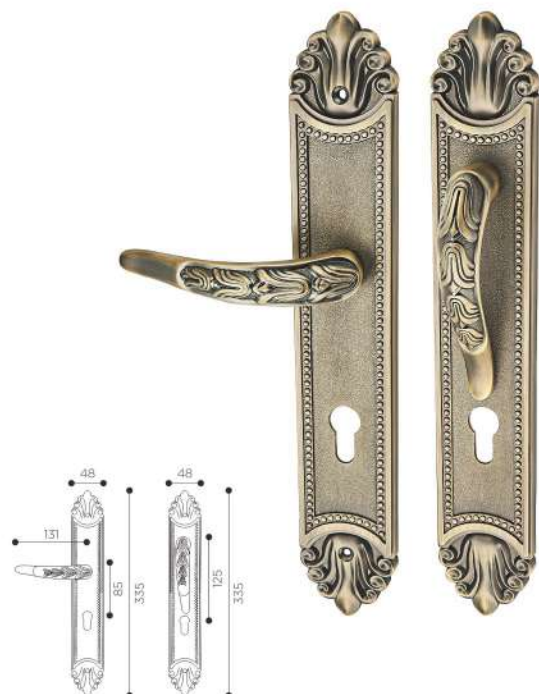
HP.9063.9649/F001.SNCP-L



HP.9063.9511/G31A.SNCP-L



HP.9218.9304/300.DAB-L



HP.9580.9402/G46.PVD-L



HP.9608.9611/300.SNCP-L



HP.9608.9611/G31 SNCP-L



HP.9590.9752/G44.MSN-L



HP.9374.9365/F001.SNCP-L



HP.9321.9511A.SNCP



HP.9321.9354.SNCP



HP.9542.9439/G45.MSN-L



HP.9251.9198/100 SNCP-L



HP.9321.9553.MSN



HP.9321.9681.MSN



HP.9542.9341.MSNCP



HP.9542.9568.BLK



HP.9542.9601.MSN



HP.9542.9605.MSNCP



HP.9542.9670.MBS



HP.9542.9677.MSN



HP.9542.9615.DAB



HP.9542.9518.MSN



HP.9580.9402.MSN



HP.9580.9518.MSN



HP.9580.9601.DAB



HP.9580.9633.MSN



HP.9580.9438.MSN



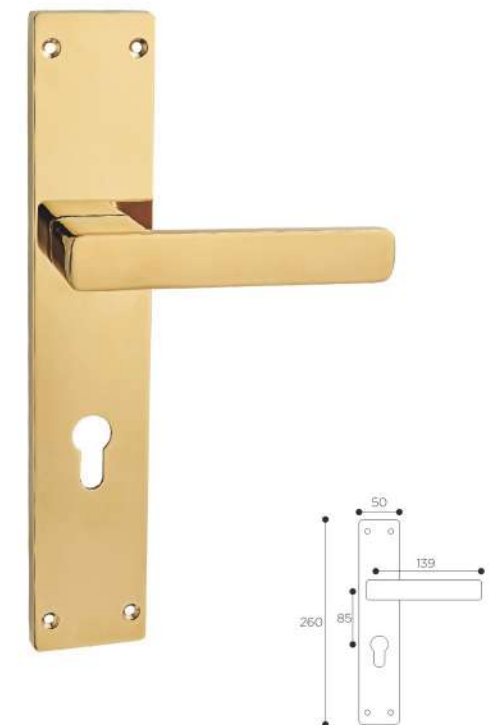
HP.9580.9670.MSN



HP.9580.9437.BLK



HP.9580.9644.PVD



HP.9580.9401.MSN



HP.9580.9675.MSN



HP.9063.9511A.SNCP



HP.9391.9391.SNCP



HP.9013.9280.SNCP



HP.9013.9611.SNCP



HP.9208.9301.COF



HP.9208.9310.DAB



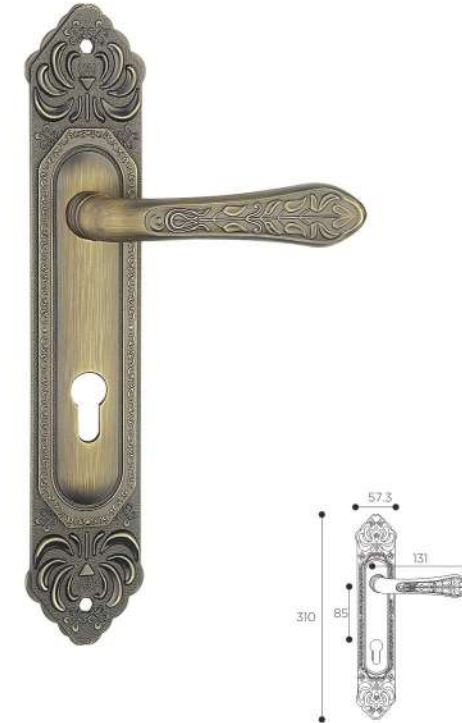
HP.9210.9303.DAB



HP.9370.9361.DAC



HP.9609.9712.DAB



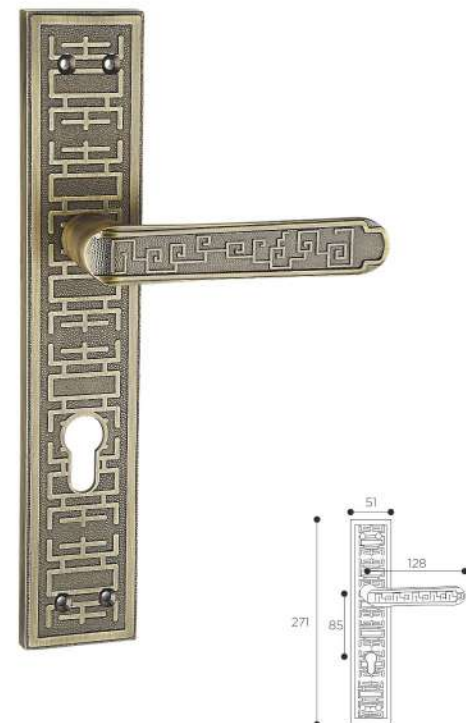
HP.9640.9225.PVD



HP.9377.9370.DAB



HP.9379.9720.DAB



HP.9608.9105.SNCP



HP.9684.9115.DAB



HP.9703.9416.PVD



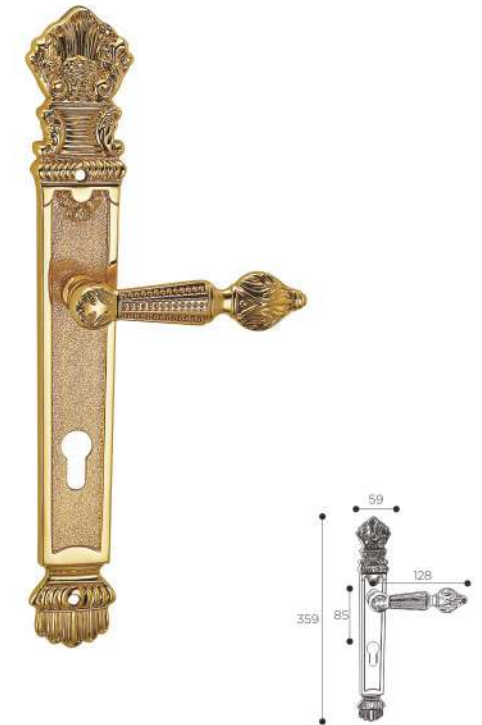
HP.9810.9716.DAB



HP.9809.9715.DAB



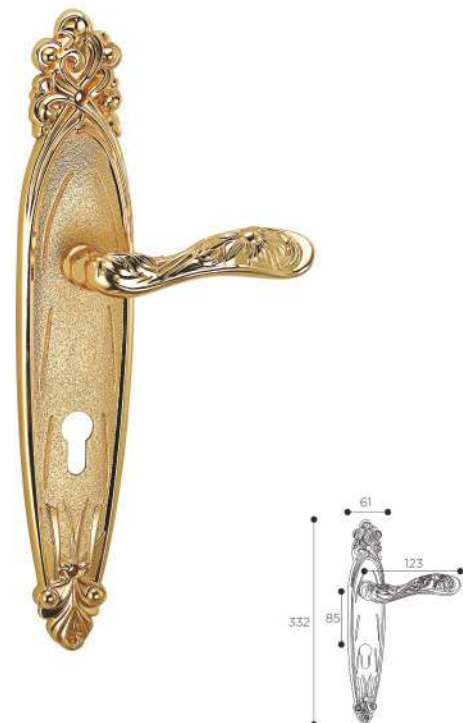
HP.9713.9719.RGP



HP.9805.9611.SNCP



HP.9811.9717.RGP



HP.9820.9720.DAB



HP.9828.9548.COF



SMART LOCK SERIES

03

DOOR HARDWARE



Locations

SM
San Marino

sanmarino

Barwa Village-Shop 37, Building 8, Doha-Qatar

Al Qusais Ind3, Store No.10, Dubai, U.A.E

Novella 1804 15 Stanley Street Salford Postcode M3 5GW Manchester England

 sanmarinoqatar.com

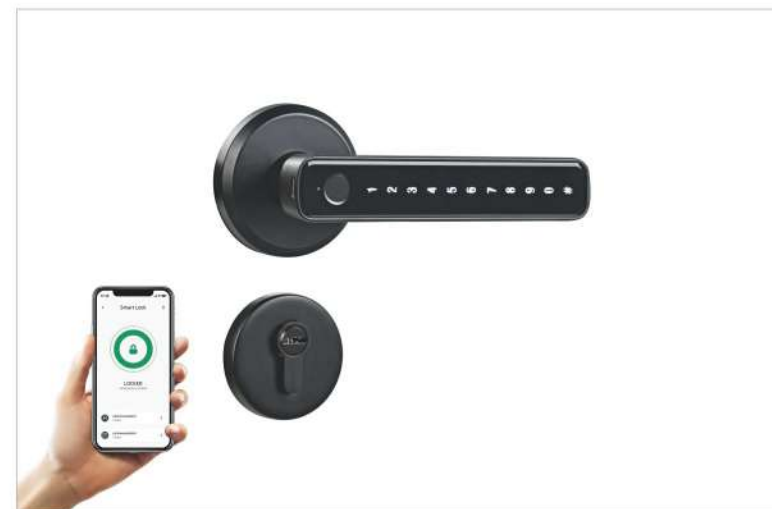
PL.R.2300.MSN



Power supply: 4.5V (3 AAA batteries)
Fingerprint/APP:
total 20 groups (1 administrator, 19 users)
Note: the administrator can open the door and manage the menu.
But users can only open the door.
Working temperature: -20 °C- 55°C
Relative humidity:40%- 85% (no condensation)
Center distance:60mm
Door thickness:38-60mm

- Fingerprint Unlock
- Bluetooth Unlock
- Key Unlock
- Low Energy Consumption
- APP Management
- Smart Ecology

DL.R.2303.BLK



Panel material: Aluminum alloy
Color: Black (other colors can be customized)
Lock body: 5572Thickness of door plate: 30-50mm
(Special size can be customized)
Packaging: neutral color box +pearl-cotton
Quantity: 12 PCS/box
Inner box size: 27*18*10cm
Outer box size: 55*36*30cm
Gross weight: 1.71kg(1set)/20 .9kg(1ctn)

Fingerprint recognition:semiconductor fingerprint head
Unlock:fingerprint/ password/ TTlock app/ key /temporary password
Operating temperature: -2°C -55°C
Usb: type-C
Power supply: 4*AAA battery
Applicable door type: wooden door/security door (35-50mm thickness)
Function:Unlocking mod eVoice prompts Bluetooth
Fingerprint:100 sets
Password:250 sets

DL.P.2408.SIL

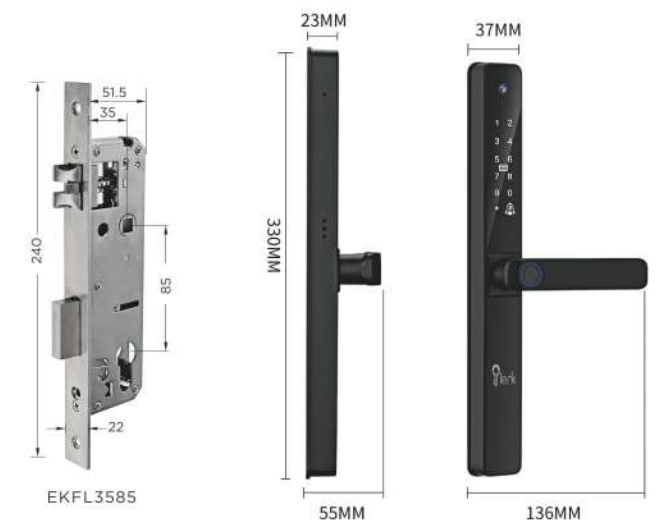


37mm
Ultra-narrow
lock design

- Fingerprint Unlock
- Swipe card to unlock
- Temporary password
- Password unlocking
- Key Unlock
- Remote unlocking (optional)

Product Parameter

- Material: aluminum alloy
- Color: black/silver
- Power supply: 4 AA batteries
- Emergency power supply: type-c emergency power supply
- Fingerprint capacity: A hundred fingerprints
- Operating temperature: -20-60°C
- Material of lock cylinder: class C lock cylinder
- Password length: 6 to 12 numbers
- Unlocking mode: Fingerprint/Password/Card/key/ Temporary password/ Remote unlocking (optional)
- Applicable door type: Broken bridge aluminum doors, KFC doors/ sliding doors/ translation doors and so on



DL.P.2211.MSN



STANDARD VERSION
Remarks: All versions support (fingerprint + password + IC card + key) unlocking. The standard version and TTLock version don't need to be connected to the internet; TTLock gateway need to be connected to a WiFi network to directly unlock the lock remotely.



TT LOCK/ TT LOCK GATEWAY
TT lock APP management (suitable for home, office, rental room, apartment, homestay)

Product Parameter

- Material: Aluminum alloy
- Color: Black/MSN/PVD
- Mechanical cylinder: Level-B cylinder(Level-Optional)
- Unlocking method: unlocking via fingerprint, unlocking via App, unlocking via passcode, unlocking via IC card, unlocking via mechanical key
- Password length: 24
- Power: 4 AAA batteries
- Available door: Steel door Woodern door
- Numbers of passcode: Infinite cycle
- Opening direction: General for Left, right, outside and inside
- Door thickness: 38-55mm
- Emergency power supply: MicroUSB

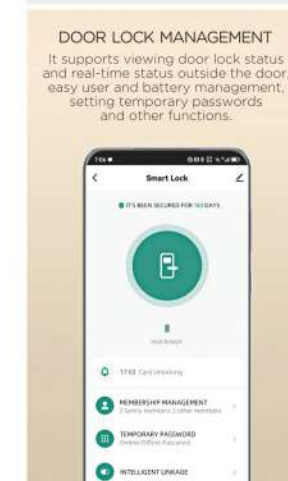


EKFL4585

DL.P.2309.BLK



DOOR LOCK MANAGEMENT
It supports viewing door lock status and real-time status outside the door, easy user and battery management, setting temporary passwords and other functions.

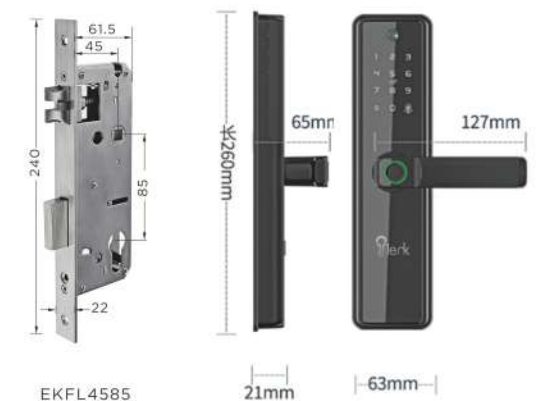


Password sent at any time
Online passwords are created in real time and can be sent in 2 types: one-time passwords and unlimited passwords.



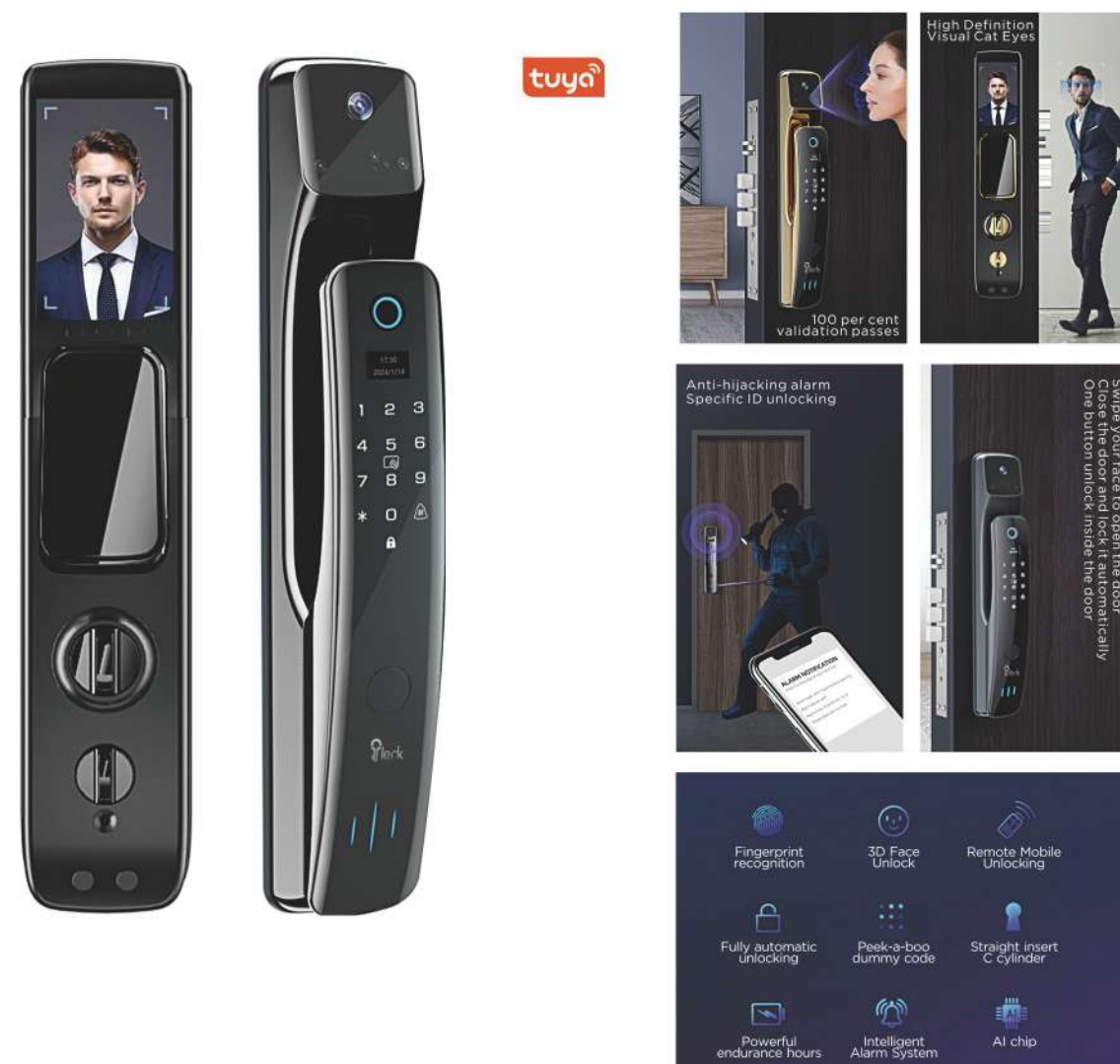
Product Parameter

- Suitable category: Wooden door
- How to open the door: WeChat, Password, Fingerprint, card, key, mobile phone
- Capacity: Fingerprint, Password, Magnetic Card, A total of 300
- Material: Aluminum alloy
- Color: Black/MSN/PVD
- Quality: Authoritative quality inspection passed
- Working power: 4 AA batteries
- Rejection rate: ≤0.01%
- Operating temperature: -25°C-55°C

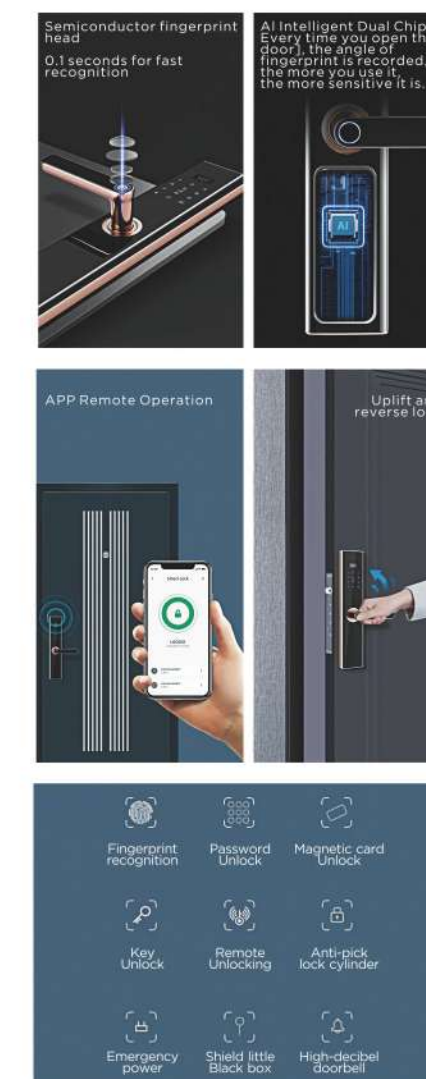


EKFL4585

DL.P.2105.BLK-M-TUYA-PACE



DL.P.2102.BLK



Product Parameter

Colour: starry grey, gunmetal black, rustic gold
 Number of passwords: ≤120 groups
 Power supply: lithium battery
 Fingerprint Collector: Semiconductor Fingerprint Collector
 Face capacity: ≤50 groups
 Card capacity: ≤120 groups
 Number of fingerprints: ≤120 groups
 Emergency power supply: USB interface
 Operating temperature: 80°C - -30°C
 Relative humidity: 20-90 %
 Fake recognition rate: < 0.0001 %
 Suitable for door type: wooden door/anti-theft door/stainless steel door



Product Parameter

- Colour: Rose Gold
 - Main Material: Aluminium Alloy
 - Anti-lock function: Yes
 - Fingerprint Sensor Type: Semiconductor live fingerprints
 - Sensing Time: 0.2S
 - Fingerprint/card/password storage capacity: 300 users (9 groups of administrators, 291 groups of users)
 - Unlocking method: fingerprint identification, password unlocking, magnetic card unlocking, key unlocking, WeChat applet
 - Power source: 4 AA batteries
 - Emergency power supply: USB interface
 - Emergency lock cylinder: Super C anti-pick lock cylinder
 - Doorbell: High decibel doorbell



LB.600068.SS

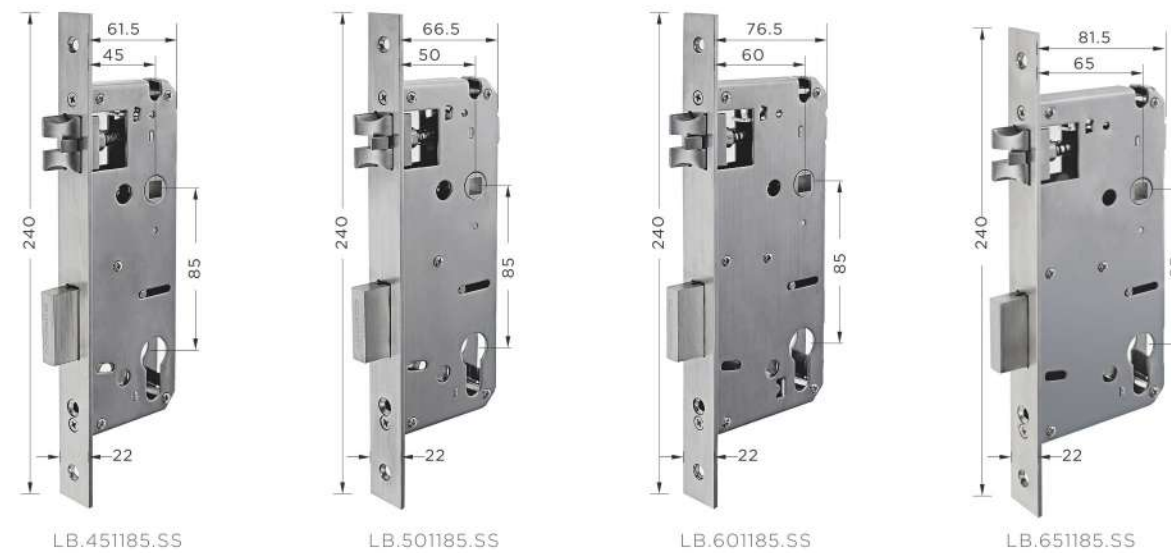
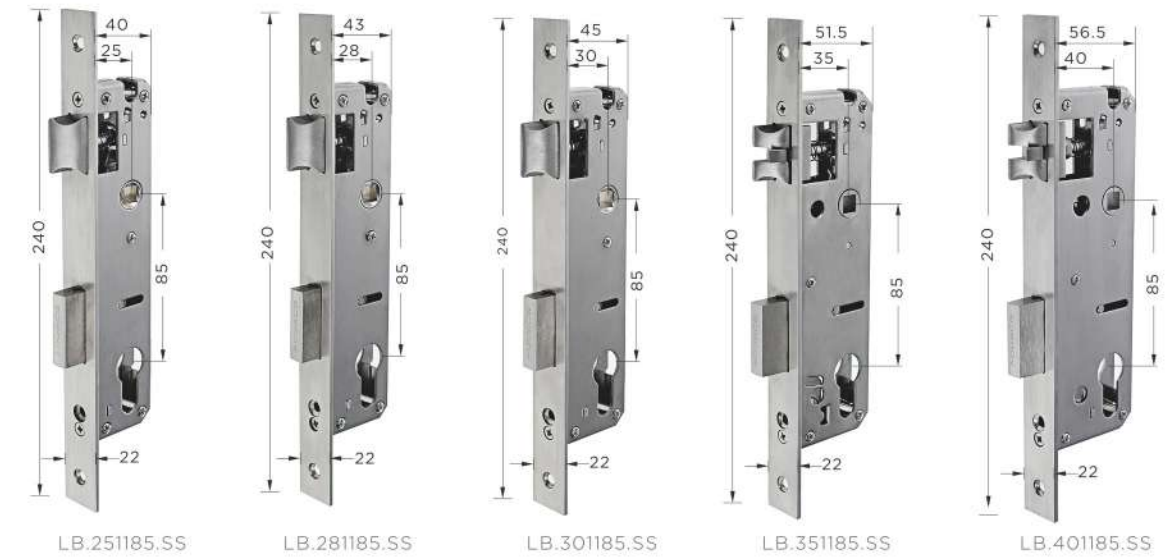
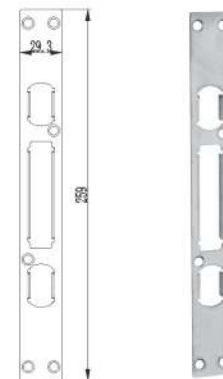
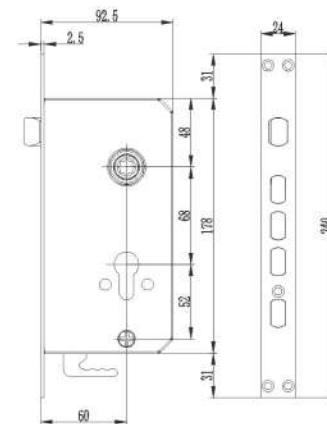


Finish:SS/SN/AB/AC
Material:Stainless steel\Brass\Iron

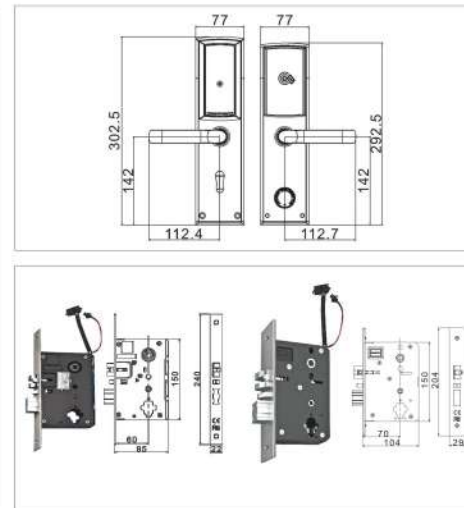
Features:
Mortise Lock

Technical Data:
1.Lever follower:□ 8.2x8.2mm
2.Center Length(A): 68mm
3.Edge Distance:60mm

Accessories:
1.Screws
2.Striking Plate
3.Plastic Strike Box



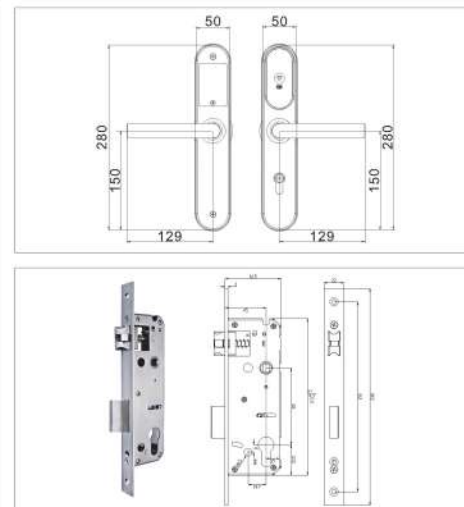
DL.HM1.2440



Material: Stainless steel 304
Storage humidity: 15-90% RH
Finish: Golden/silver/Black
Working temperature: -25~+58°C
Power Supply: 4 AA alkaline batteries
Working humidity: 15-90% RH
Battery life: Over 15000 cycles

Card reading distance: 0-5cm
Static current: <20 uA
Reading & writing time: <0.25s
Dynamic current: <150 mA
Date keeping: Over 10 years
Storage temperature: 25~+58°C
Applicable chip: Mifare 1(13.56Mhz)

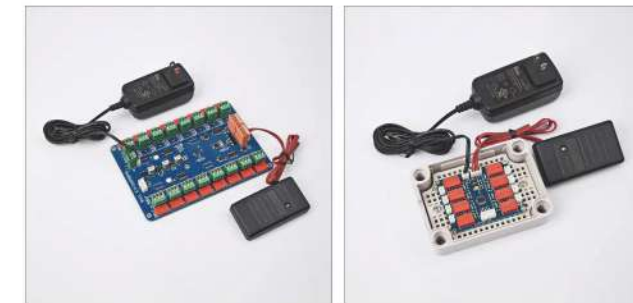
DL. HM1.2442



Material: Stainless steel 304
Storage humidity: 15-90% RH
Finish: Gold / Silver
Working temperature: -25~+58°C
Power Supply: 4 AA alkaline batteries
Working humidity: 15-90% RH
Battery life: Over 15000 cycles

Card reading distance: 0-5cm
Static current: <20 uA
Reading & writing time: <0.25s
Dynamic current: <150 mA
Date keeping: Over 10 years
Storage temperature: -25~+58°C
Applicable chip: Mifare 1(13.56Mhz)

LIFT.CON.M1.8 & LIFT.CON. M1.16



Power supply: 12V DC
Current consumption: 1000mA
Card type: T5557 card (TEVC), Mifare card (MEVC)
Round card distance: 10-50mm
Input: No
Output: 8 floors or 15 floors each board

MEVC/ TEVC elevator controller, is specially developed for the hotel door locks system. It can directly use the cards issued by the hotel door lock management software, used to the control the elevator floor switches, which facilitates the hotel to improve safety management.

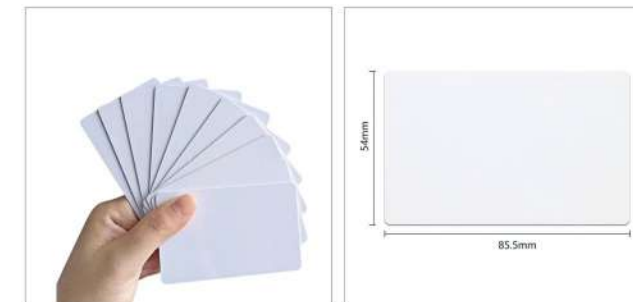
BARRIER. CON. M1



ENCODER.M1



IC.CARD.M1



Product size: 85.5 * 54 * 0.8mm
Chip: Domestic IC Fudan IC ID chip
Material: PVC material
Craftsmanship: offset printing, silk screen printing, laser engraving
Frequency: High frequency: 13.56MHz
Scratching frequency: 10W times
Scope of application: Work cards, access cards, attendance cards, etc

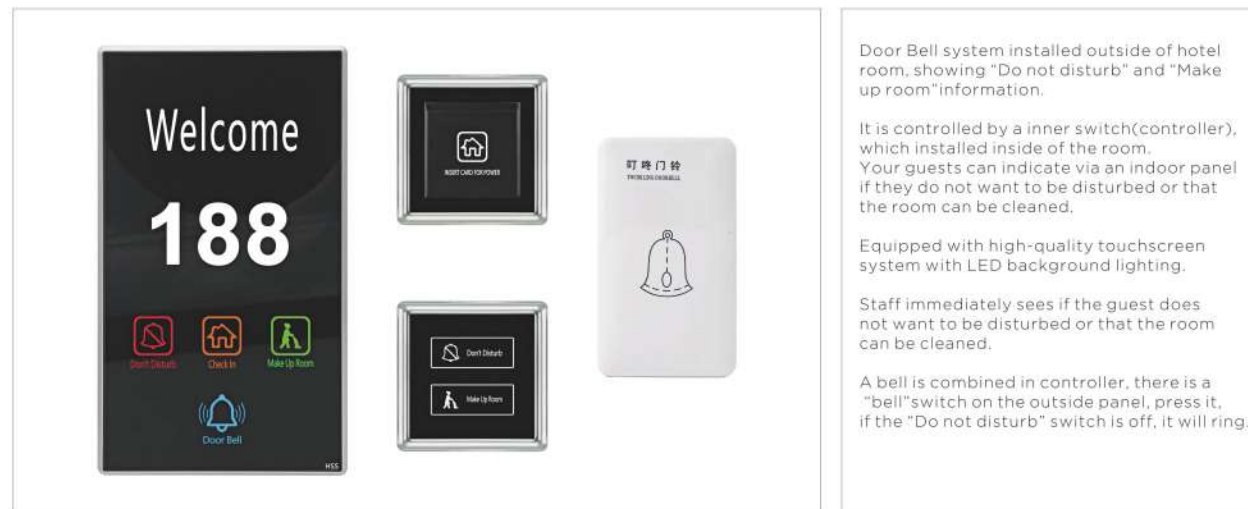
SWITCH. EST.M1



Special Energy Saver
The special energy saver need to work with the hotel lock software to achieve the function of room number control and time control.
Room number control: only matched room card can work
Time control: Automatically power off when check-out time is up



DL.PL.2462.HT & DL.PL.2464.RM



ROOM NUMBER DISPLAY

Size	120*230mm
Material for panel	Toughened glass
Material for frame	Zinc alloy
Color	Black, Champagne, Brown, Silver, Gold, Rose gold
Voltage	DC12V/AC220V

SMART TOUCH SWITCH

Size	86x86mm
Material for panel	Toughened glass panel
Color	Black, Champagne, Brown, Silver, Gold, Rose gold
Material for frame	PC
Voltage	DC12V/AC220V
Wake up Function with waving	

DOOR BELL

Voltage	DC12V/AC220V
Material	PC

GATEWAY G2



Material: Plastic
Support system: 70x70x26mm
Communication method: Bluetooth 4.0 BLE/WiFi
Power interface: Type-C USB

DL.NT.2419.BLK



Panel Material: Zinc Alloy
Gross Weight: ≈1.55KG
Applicable door thickness: 40-70mm
Type of application: Interior doors
Power supply type: 4AA batteries
Function: Fingerprint \ Password \ Swipe Card \ Key \ APP

DL.NT.2417.BLK



Material: Aluminum alloy
Color: Night Sky Black
Mechanical lock cylinder: C-level lock cylinder
Power type: 4AA batteries
Password length: 16 bits

Unlocking methods: fingerprint, password, IC card, APP, mechanical key
Number of password groups: infinite loop
Applicable door types: steel doors, wooden doors
Applicable door thickness: 38-70mm standard configuration (optional for sizes above 70)
Door opening direction: universal for left, right, inside and outside
Emergency power supply: MicroUSB power supply
Product dimensions: Panel 59mm x 156mm x 35mm

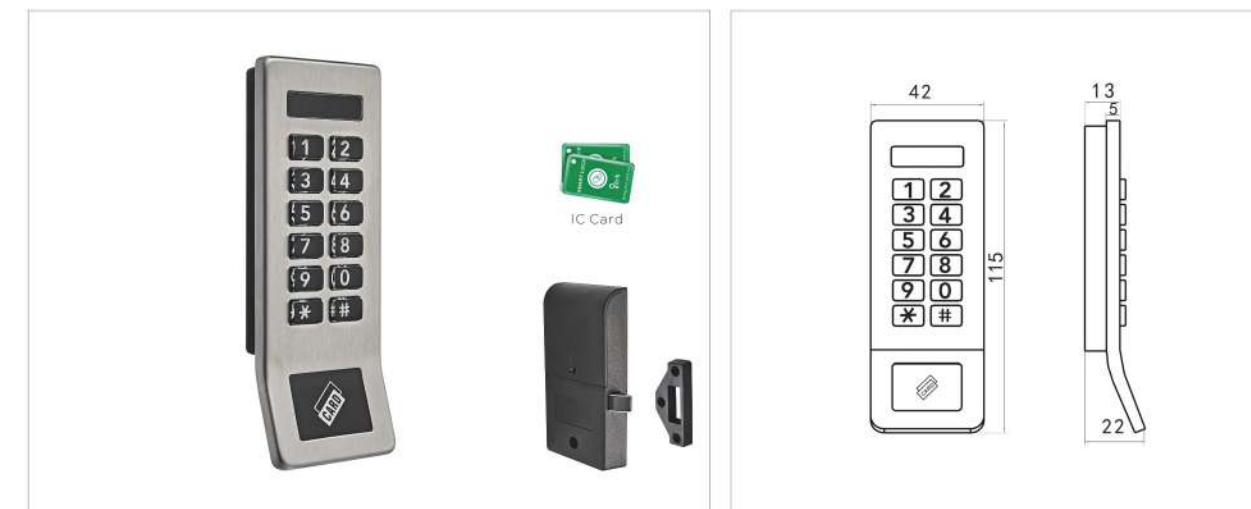
DL.GL.2424.BLK



product name: Glass door fingerprint lock
technology: electrophoresis
material quality: ABS+Metal
Mechanical Key: support
Fingerprint capacity: 100 pieces
language system: English/Chinese

Chip level: C
Power supply mode: 4AA batteries
operation temperature: -10°C~+65°C
compatible: Glass doors/wooden doors/ sliding doors
Unlocking method: Key/password/fingerprint/IC card/Mobile app

DL.C.2430.SS



Secure control by level management
Permanent code or one-time code convertible
Keypad with backlight for easy distinction
Indicator blinks while in locked status
Wrong code or illegal card alarm
Low voltage alarm; Anti-picked (prized) alarm
External power back up
Suitable for any thin or thick door
Stainless steel 304 material

Power supply: 3 x AA alkaline batteries
Static current: $\leq 20\mu A$
Dynamic current: $\leq 200mA$
Working temperature: -15~+55°C
Working humidity: 20-95%RH
Alarm voltage: 3.730.2V
Door thickness: $\geq 1mm$

DL.C.2434.BLK



Secure control by level management
Permanent code or one-time code convertible
Keypad with backlight for easy distinction
Indicator blinks while in locked status
Wrong code or illegal card alarm
Low voltage alarm; Anti-picked (prized) alarm
External power back up
Suitable for any thin or thick door

Power supply: 3 x AA alkaline batteries
Static current: $\leq 20\mu A$
Dynamic current: $\leq 200mA$
Working temperature: -15~+55°C
Working humidity: 20-95%RH
Alarm voltage: 3.730.2V
Door thickness: $\geq 1mm$

DL.C.2432.SN



Secure control by level management
Permanent code or one-time code convertible
Keypad with backlight for easy distinction
Indicator blinks while in locked status
Wrong code or illegal card alarm
Low voltage alarm; Anti-picked (prized) alarm
External power back up
Suitable for any thin or thick door

Power supply: 3 x AA alkaline batteries
Static current: $\leq 20\mu A$
Dynamic current: $\leq 200mA$
Working temperature: -15~+55°C
Working humidity: 20-95%RH
Alarm voltage: 3.730.2V
Door thickness: $\geq 1mm$

PULL HANDEL SERIES

04
DOOR HARDWARE



Locations

SM
San Marino

sanmarino

Barwa Village-Shop 37, Building 8, Doha-Qatar Al Qusais Ind3, Store No.10, Dubai, U.A.E

Novella 1804 15 Stanley Street Salford Postcode M3 5GW Manchester England

 sanmarinoqatar.com

SRH.301.SS



SRH.301.BLK



SRH.301.RG



SRH.301.SPVD



SRH.310.SS



SRH.312.SS



SRH.314.SS



SRH.240.SS.HO



SRH.01.SS



SRH.02.SS



SRH.03.SS



SRH.04.SS



SRH.05.SS



SRH.06.SS



SRH.07.SS



SRH.08.SS



SRH.09.SS



SRH.11.SS



SRH.22.SS.F



SRH.23.SS



SRH.13.SS



SRH.14.SS



SRH.24.SS.F



SRH.50.SS



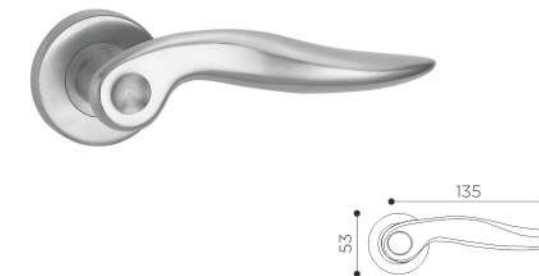
SRH.15.SS



SRH.16.SS.F



SRH.241.SS.HO



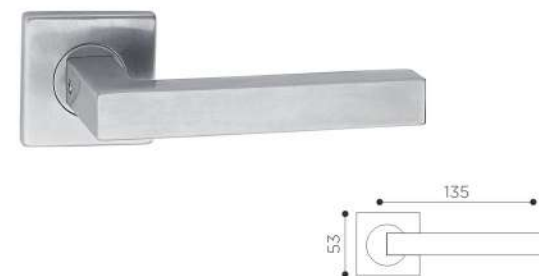
SRH.OV.01.SS



SRH.17.SS.F



SRH.18.SS.F



SRH.OV.03.SS



SRH.OV.10.SS



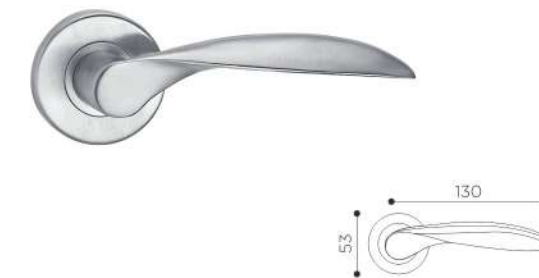
SRH.201.SS



SRH.207.SS



SRH.216.SS



SRH.217.SS



SRH.208.SS



SRH.210.SS



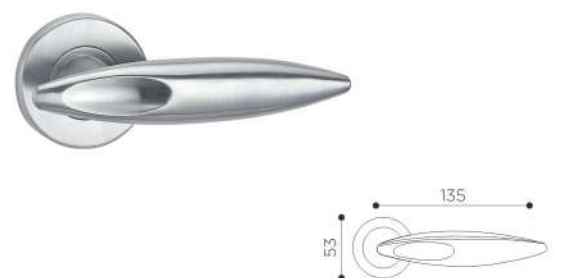
SRH.219.SS



SRH.220.SS



SRH.211.SS



SRH.212.SS



SRH.221.SS



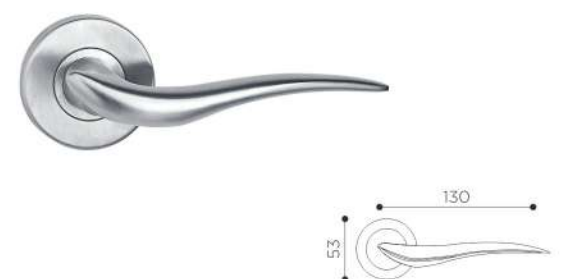
SRH.223.SS



SRH.213.SS



SRH.214.SS



SRH.230.SS



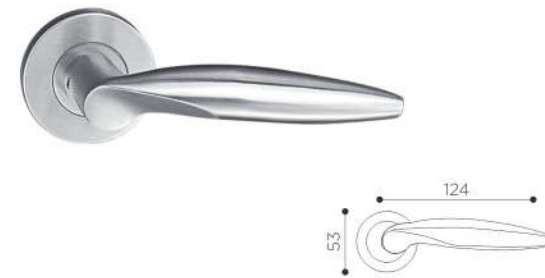
SRH.236.SS



SRH.237.SS



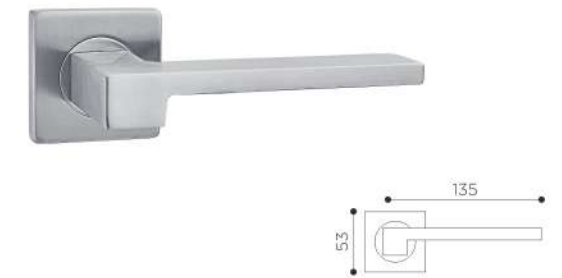
SRH.238.SS



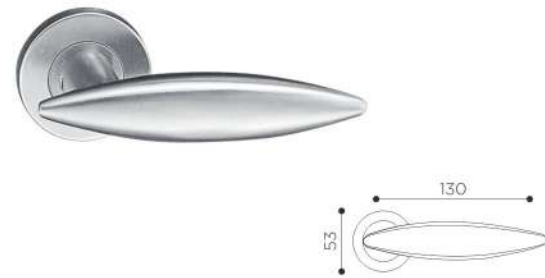
SRH.257.SS



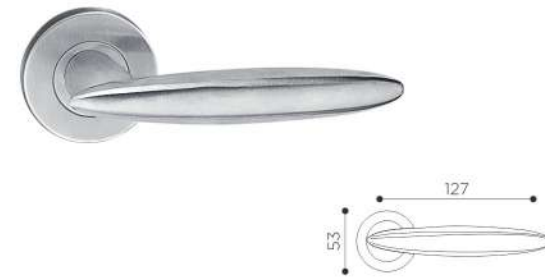
SRH.258.SS.F



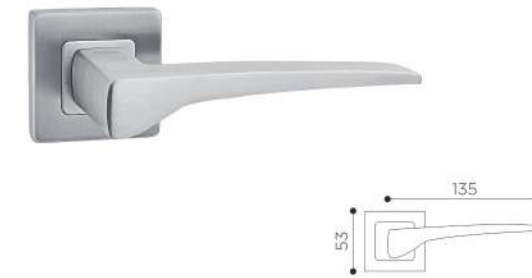
SRH.239.SS



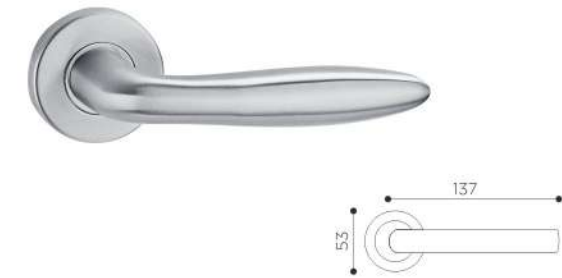
SRH.240.SS



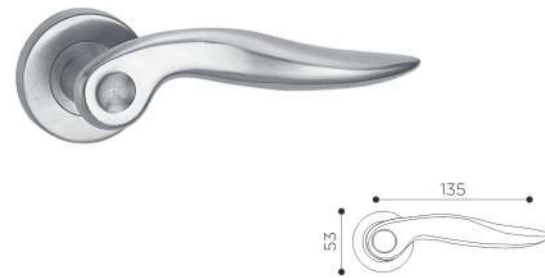
SRH.260.SS.F



SRH.261.SS



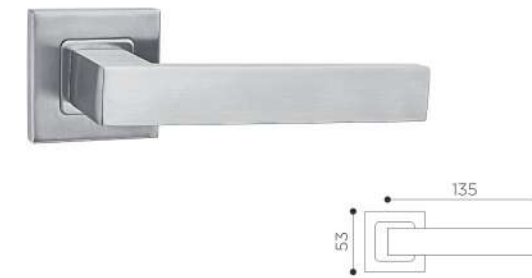
SRH.241.SS



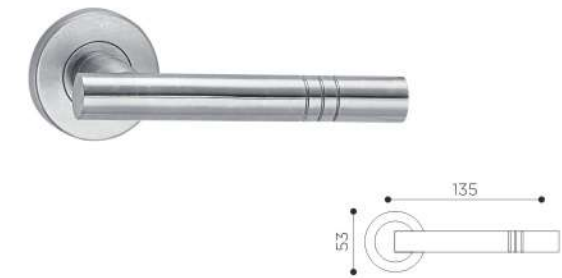
SRH.243.SS



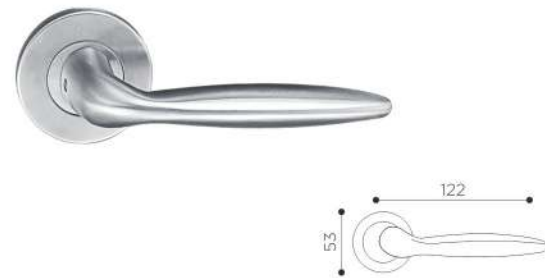
SRH.311.SS.F



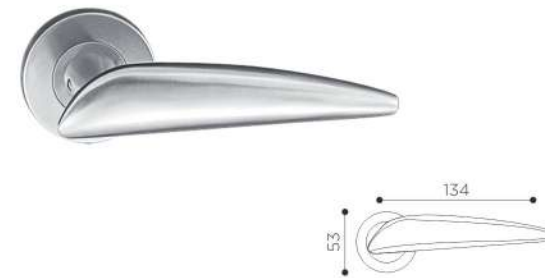
SRH.313.SS



SRH.248.SS



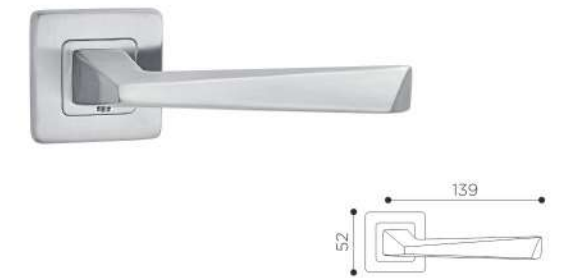
SRH.249.SS



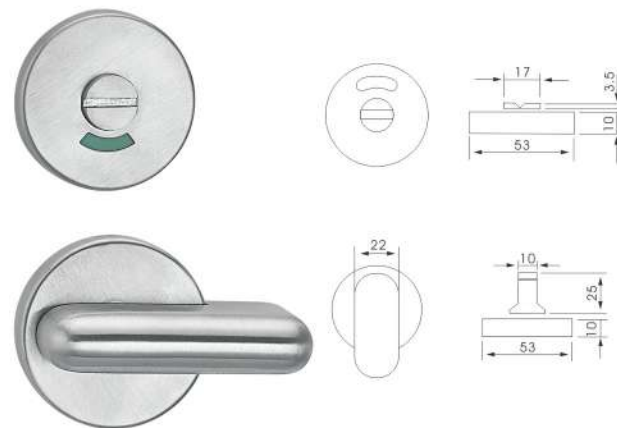
SRH.322.SS



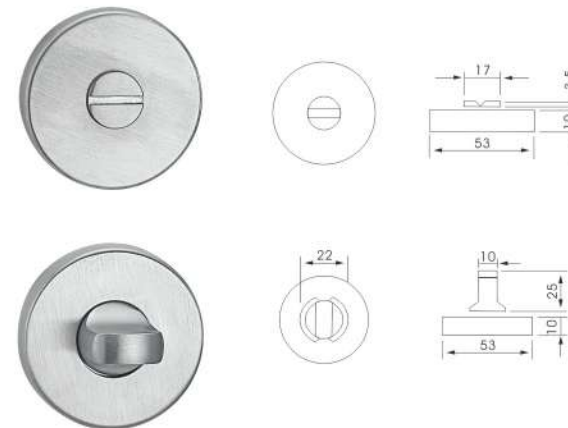
SRH.323.SS.F



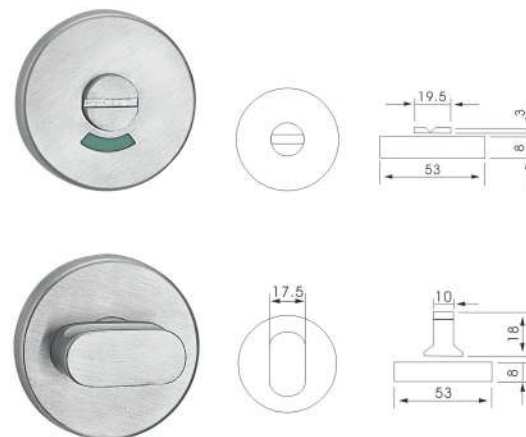
SW-01 SS



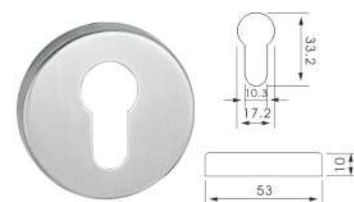
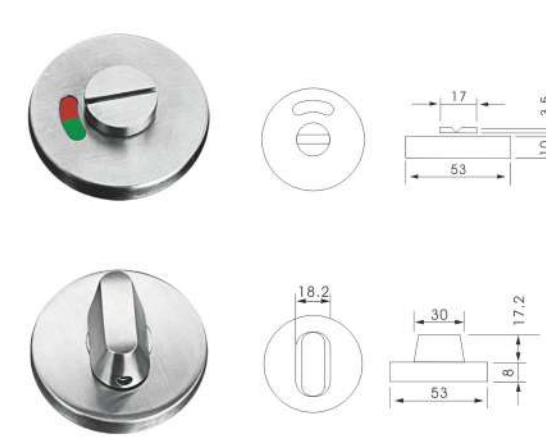
SW-02 SS



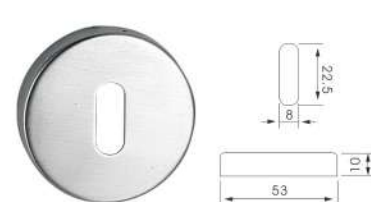
SW-03 SS



SW-04 SS



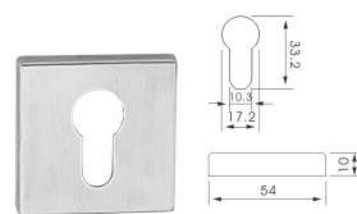
ES.SN01.SS



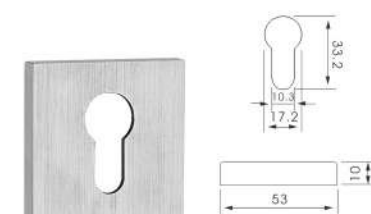
ES.SN02.SS



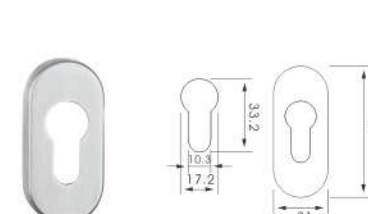
ES.SN01.NH.SS



ES.SN04.SS



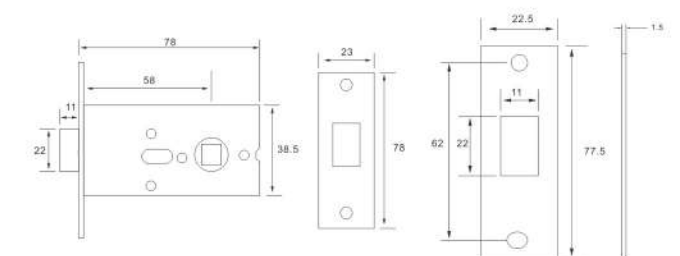
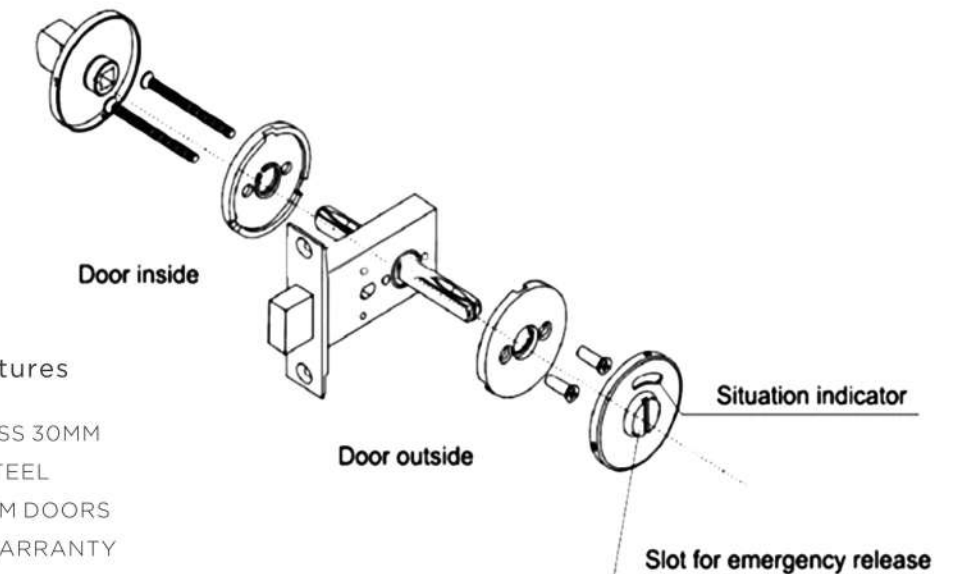
ES.SN05.SS
(Precision Casting Rings)



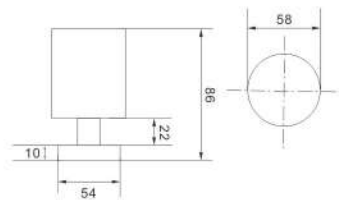
ES.SN03.SS

Specifications and Features

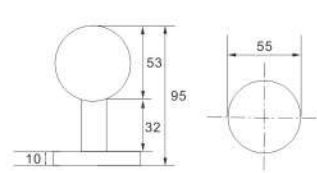
- MINIMUM DOOR THICKNESS 30MM
- GRADE 304 STAINLESS STEEL
- APPLICATION : BATHROOM DOORS
10 YEARS REPLACEABLE WARRANTY
WOODEN STEEL FIRE RATED DOORS DOORS



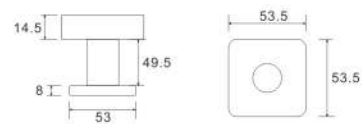
SE-100 SS



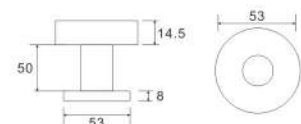
SE-101 SS



SE-102 SS



SE-103 SS

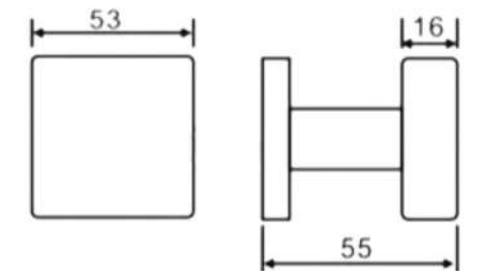


SRH.SE102.BLK.F



Specification

- Material : Stainless Steel 201/ 304 / 316
- Diameter : $\Phi 16/\Phi 19/\Phi 20/\Phi 22$ mm
- Spindle : 8x8/17x7/16x6mm
- Finish: SSS, PSS, PVD, AB, AC
- For 35-55 mm thickness doors
- Concealed fixings
- Spring assisted chassis
- Same lever design with multiple escutcheons and functions to suit different applications



Specification

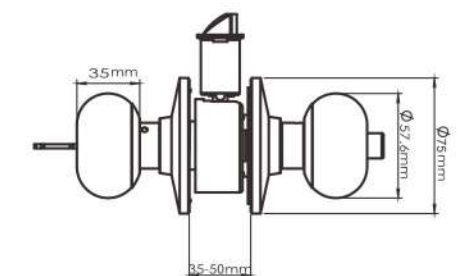
- Backset: 2-3/8" or 2-3/4" (60mm or 70mm)
- Door thickness: from 1-3/8" to 2" (35mm - 50mm)
- Cylinder: 5-pin cylinder, Kwikset and Yale keyway are available
- Face plate: 1"X2-1/4" (25mmx57mm) square corner standard Round corner optional
- Strike plate: 1"X2-1/4" (25mmx57mm) full lip square corner standard
- Door opening direction: Fit for both right and left hand door

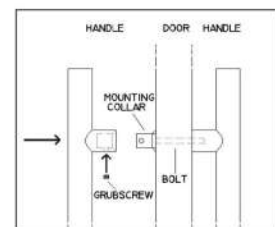


691 AD SS-L



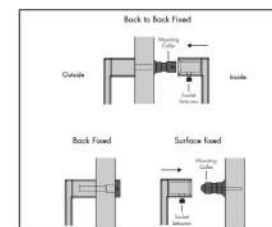
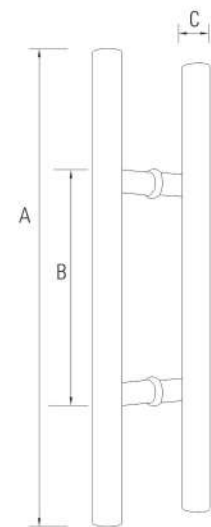
691 AD BLK-L





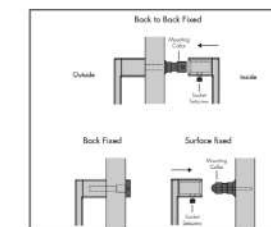
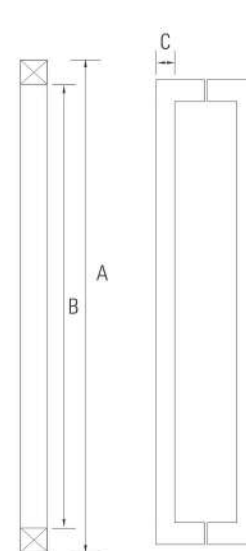
SC-502 SS

Size:
A:600 800 1000 1200
B:400 600 800 1000
C:Φ25 Φ32 Φ38
Finish:SS,PSS
Material:Stainless steel
Can be used for glass doors



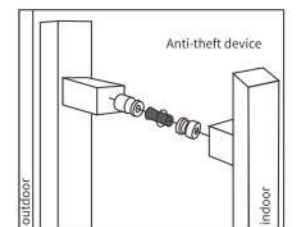
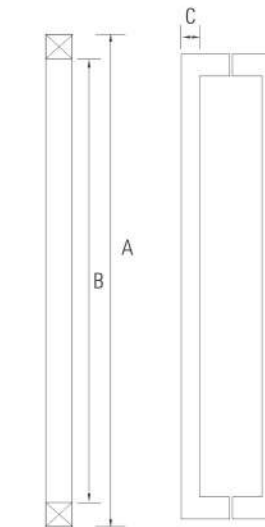
SC-601 SS

Size:
A:600 800 1000 1200
B:560 760 1000 1160
C:25x40
Finish:SS,PSS
Material:Stainless steel
Can be used for glass doors



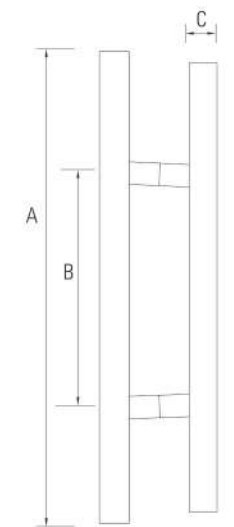
SC-602 BLK

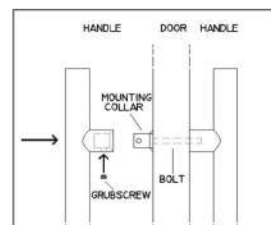
Size:
A:800 1000 1200
B:775 975 1175
C:25x38
Finish:SS,PSS
Material:Stainless steel
Can be used for glass doors



SC-603 SS

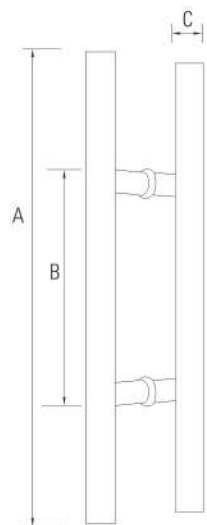
Size:
A:600 800 1000 1200
B:560 760 1000 1160
C:25x40
Finish:SS,PSS
Material:Stainless steel
Can be used for glass doors





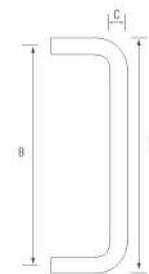
SC-610 SS

Size:
A: 600 800 1000 1200
B: 400 600 800 1000
C: $\Phi 25$ $\Phi 32$ $\Phi 38$
Finish: SS, PSS
Material: Stainless steel
Can be used for glass doors



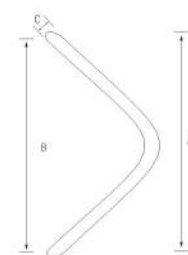
SC-707 SS

Size:
A: 300 600
B: 275 562
C: $\Phi 25$ $\Phi 32$
Finish: SS, PSS
Material: Stainless steel
Can be used for glass doors



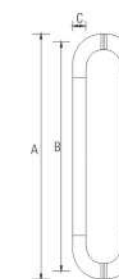
SC-708 PSS

Size:
A: 450 800
B: 425 468
C: $\Phi 25$ $\Phi 32$
Finish: SS, PSS
Material: Stainless steel
Can be used for glass doors



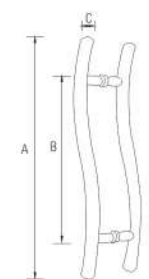
SC-701 SS/PSS

Size:
A: 300 500
B: 275 468
C: $\Phi 25$ $\Phi 32$
Finish: SS, PSS
Material: Stainless steel
Can be used for glass doors



SC-702 PSS

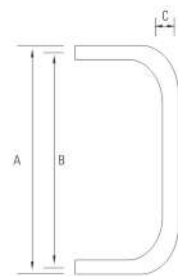
Size:
A: 400 600
B: 240 440
C: $\Phi 25$ $\Phi 32$
Finish: SS, PSS
Material: Stainless steel
Can be used for glass doors





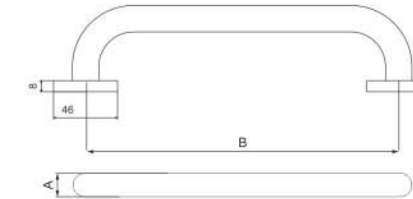
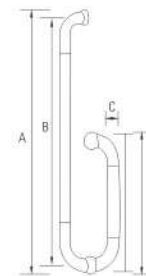
SC-703 PSS

Size:
A: 450 450
B: 418 425
C: $\Phi 25$ $\Phi 32$
Finish: SS, PSS
Material: Stainless steel
Can be used for glass doors



SC-704 PSS

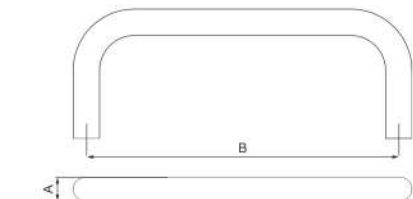
Size:
A: 250x450
B: 225x425
C: $\Phi 25$
Finish: SS, PSS
Material: Stainless steel
Can be used for glass doors



SC-101.225x22.SS

Material:
Stainless Steel
Finishing:
SS/PSS/DAB/PVD

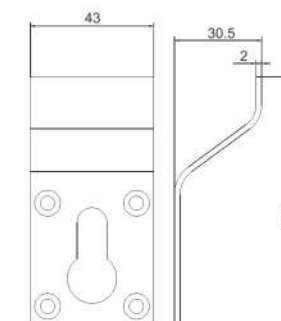
A	19	19	19	19	22	22	22
B	150	225	300	400	225	300	400



SC-103.225x19.SS

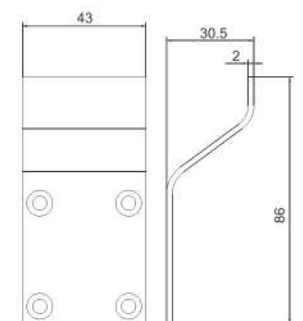
Material:
Stainless Steel
Finishing:
SS/PSS/DAB/PVD

A	19	19	19	19	22	22	22
B	150	225	300	400	225	300	400



SB-301 SS

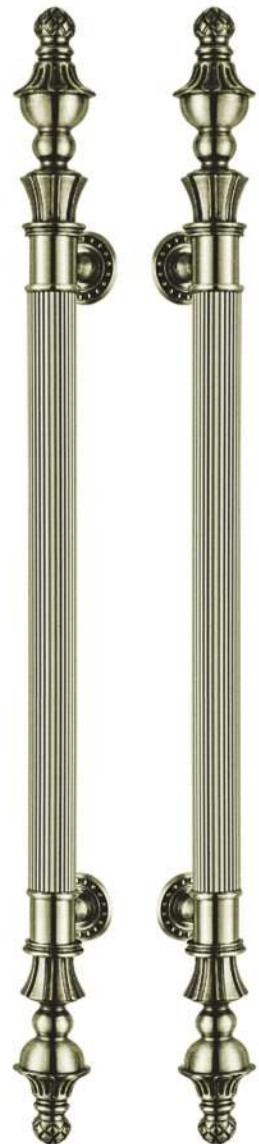
Finishing: SS/PSS/DAB/PVD
Material: Stainless Steel



SB-302 SS

Finishing: SS/PSS/DAB/PVD
Material: Stainless Steel

BP18093.DAB/EG/PVD



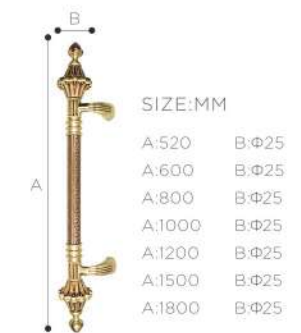
BP18091.DAB/EG/PVD



BP18095.DAB/EG/PVD



BP18097.EG/DAB/PVD



PH.Z.165.COF



PH.Z.174.DAB



PH.Z.203.DAB



PH.Z.334.DAB



PH.Z.201.DAB



PH.Z.202.PVD



ZPH.171201-N.DAB



ZPH.171202-N.DAB



ZPH.17033.DAB



ZPH.17035.DAB



ZPH.181101.COF



ZPH.181102.PVD



ZPH.17309.DAB



ZPH.17502.MSN



ZPH.201122.PVD



ZPH.201123.DAB



ZPH.201124.MSN



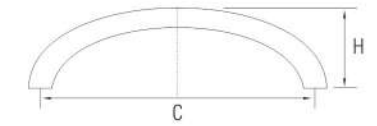
ZPH.201125.MSN



ZPH.201126.PVD



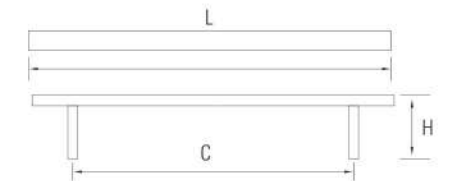
ZPH.2308111.MSN



C	96	128	160	192	224	256
H	35	35	35	35	35	35

SC-801 SS

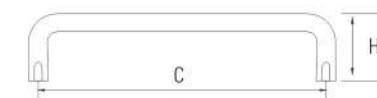
Material:Stainless steel
Diameter: Φ10mm/ Φ12mm
Finishes:Sanding/Mirror polish



C	64	96	128	160	192	224	256	288
H	35	35	35	35	35	35	35	35
L	100	150	200	250	300	350	400	450

SC-802 SS

Material:Stainless steel
Diameter:Φ10mm/Φ12mm/Φ14mm
Finishes:Sanding/Mirror polish



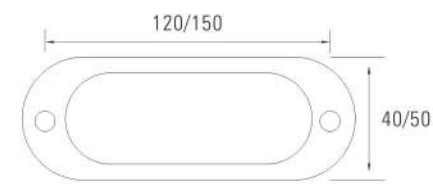
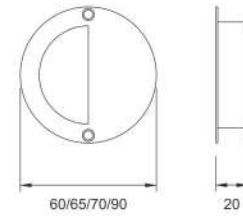
C	96	128	160	192	224	256
H	35	35	35	35	35	35

SC-803 SS

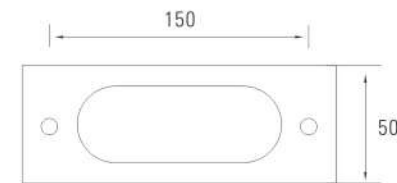
Material:Stainless steel
Diameter:Φ8mm/Φ10mm/Φ12mm
Finishes:Sanding/Mirror polish



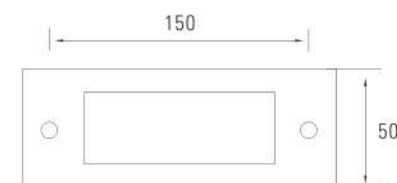
SC-900 SS
Finish:SS
Material:Stainless steel



SC-902 SS
Finish:SS
Material:Stainless steel



SC-903 SS
Finish:SS
Material:Stainless steel



SC-904 SS
Finish:SS
Material:Stainless steel



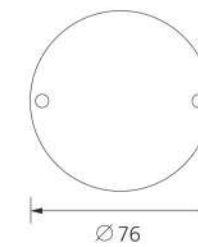
PP.301.SS.76MM.MALE



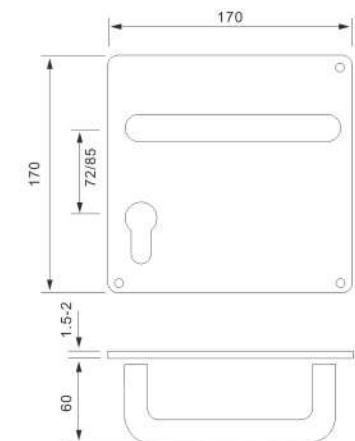
PP.301.SS.76MM.FEMALE



PP.301.SS.76MM.WC



Note:
Size and pattern can be produced accordingly
Pattern: silk-screen & erosion are optional
Mounting options: visible fixing with screws;
Invisible fixing with double adhesive tape



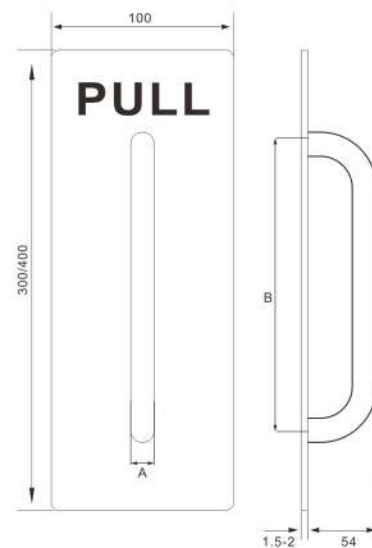
HP.SB100C.SS
Material:
Stainless Steel
Finishing:
SS/PSS/DAB/PVD



PH.100.300x100.SS

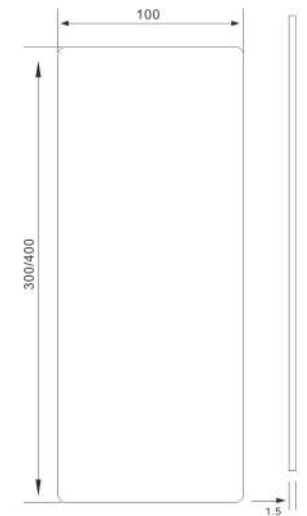
Material: Stainless Steel
Finishing: SS/PSS/DAB/PVD

A	19	19	22	22
B	150	200	150	200



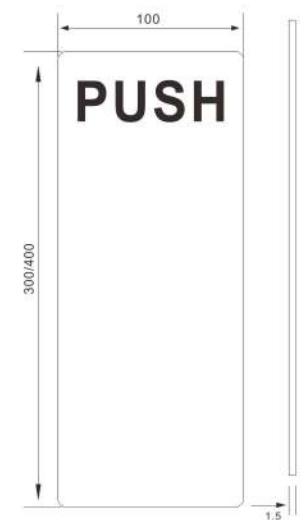
PP.200.300x100.SS

Material:
Stainless Steel
Finishing:
SS/PSS/DAB/PVD



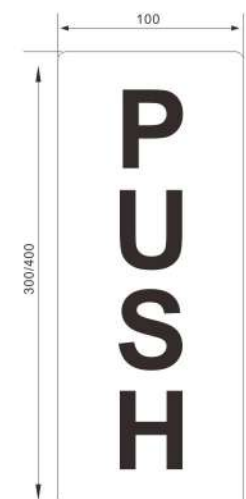
PP.201.300x100.SS

Material:
Stainless Steel
Finishing:
SS/PSS/DAB/PVD



PP.202.300x100.SS

Material:
Stainless Steel
Finishing:
SS/PSS/DAB/PVD



LOCK BODY LOCK CYLINDER SERIES

05

DOOR HARDWARE



Locations

SM
San Marino

sanmarino

Barwa Village-Shop 37, Building 8, Doha-Qatar Al Qusais Ind3, Store No.10, Dubai, U.A.E

Novella 1804 15 Stanley Street Salford Postcode M3 5GW Manchester England

 sanmarinoqatar.com

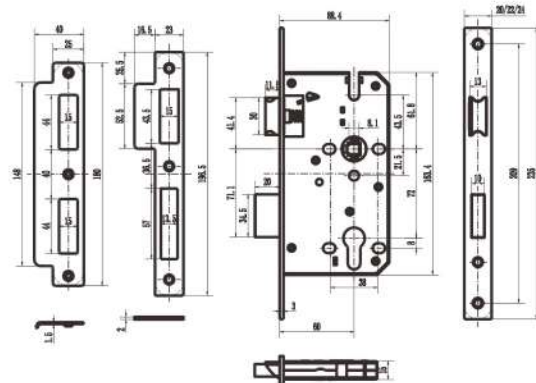




ART.NO:
LB.600072.SS.EN
LB.550072.SS.EN
LB.600072.SS.EN

Technical Specifications

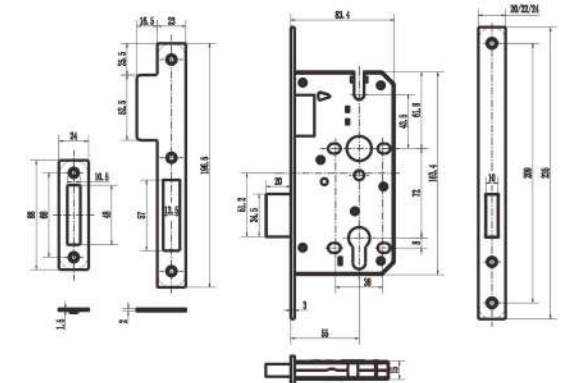
- Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
1. Centre Distance: 72mm, Backset: 50/55/60/65mm
2. Case: Galvanize steel SECC,Thickness:1.5mm
3. Latch(Casting): SS304
(Durability: Grade X, 200 000 test cycles, 120N load on latch bolt)
4. Deadbolt:SS304(Durability:Grade x, 50.000test cycles), 2 throws
5. Forend:SS304, Size:235*24/22/20mm, Thickness: 3mm
Locking plate: SS304, Thickness:1.5/2mm
6. Follower(Casting): SS304, Size: 8*8mm
7. Compliance with En12209 1 En1634-11 DIN18251
CE Classification(EN12209): 3X910G3BC20
Fire resistance test(EN1634-1): 260mins(Steel fire door)



ART.NO:
LB.550072.D.SS.EN

Technical Specifications

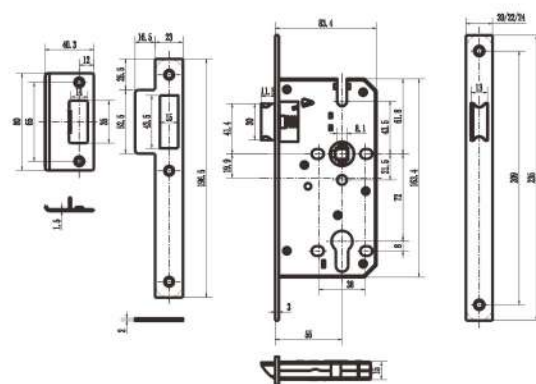
- Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
1. Centre Distance: 72mm, Backset: 50/55/60/65mm
2. Case: Galvanize steel SECC,Thickness:1.5mm
3. Deadbolt:SS304(Durability:Grade x, 50.000test cycles), 2 throws
4. Forend:SS304, Size:235*24/22/20mm, Thickness: 3mm
Locking plate: SS304, Thickness:1.5/2mm
5. Compliance with En12209 1 En1634-11 DIN18251
CE Classification(EN12209): 3X910G3BA00
Fire resistance test(EN1634-1): 260mins(Steel fire door)



ART.NO:
LB.550072.L.SS.EN

Technical Specifications

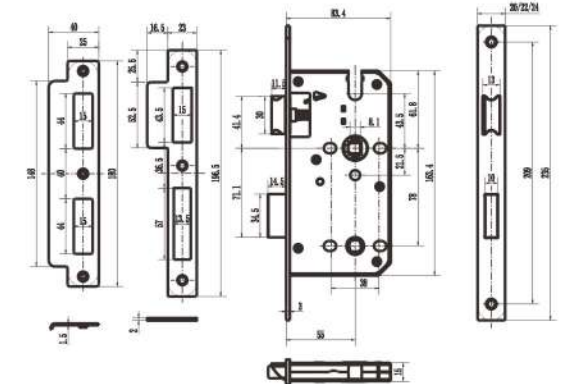
- Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
1. Centre Distance: 72mm, Backset: 50/55/60/65mm
2. Case: Galvanize steel SECC,Thickness:1.5mm
3. Latch(Casting): SS304
(Durability: Grade X, 200 000 test cycles, 120N load on latch bolt)
4. Forend:SS304, Size:235*24/22/20mm, Thickness: 3mm
Locking plate: SS304, Thickness:1.5/2mm
5. Follower(Casting): SS304, Size: 8*8mm
6. Compliance with En12209 1 En1634-11 DIN18251
CE Classification(EN12209): 3X910G0B020
Fire resistance test(EN1634-1): 260mins(Steel fire door)



ART.NO:
LB.550078.SS.EN

Technical Specifications

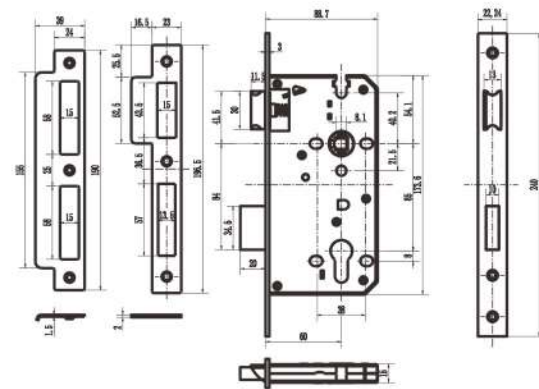
- Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
1. Centre Distance: 72mm, Backset: 55mm
2. Case: Galvanize steel SECC,Thickness:1.5mm
3. Latch(Casting): SS304
(Durability: Grade X, 200 000 test cycles, 120N load on latch bolt)
4. Deadbolt:SS304(Durability:Grade x, 50.000test cycles), 2 throws
5. Forend:SS304, Size:235*24/22/20mm, Thickness: 3mm
Locking plate: SS304, Thickness:1.5/2mm
6. Follower(Casting): SS304, Size: 8*8mm
7. Compliance with En12209 1 En1634-11 DIN18251
CE Classification(EN12209): 3X910G3BG20
Fire resistance test(EN1634-1): 260mins(Steel fire door)





Technical Specifications

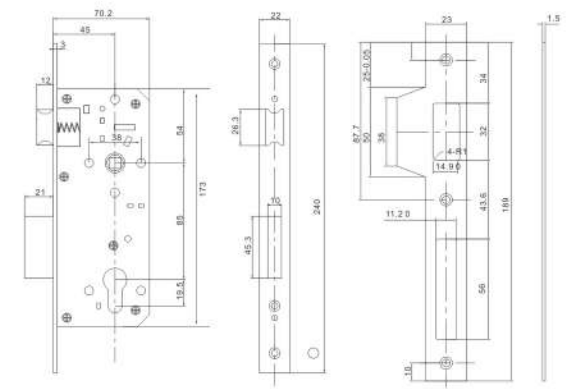
Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 1. Centre Distance: 72mm, Backset: 50/55/60mm
 2. Case: Galvanize steel SECC, Thickness:1.5mm
 3. Latch(Casting): SS304
 (Durability: Grade X, 200 000 test cycles, 120N load on latch bolt)
 4. Deadbolt:SS304(Durability:Grade x, 50.000test cycles), 2 throws
 5. Forend:SS304, Size:240*24/22/20mm, Thickness: 3mm
 Locking plate: SS304, Thickness:1.5mm/2mm
 6. Follower(Casting): SS304, Size: 8*8mm
 7. Compliance with En12209 1 En1634-11 DIN18251
 CE Classification(EN12209): 3X910G3BC20
 Fire resistance test(EN1634-1): 260mins(Steel fire door)



ART.NO:
LB.400085.SS
LB.450085.SS
LB.500085.SS
LB.550085.SS
LB.600085.SS

Technical Specifications

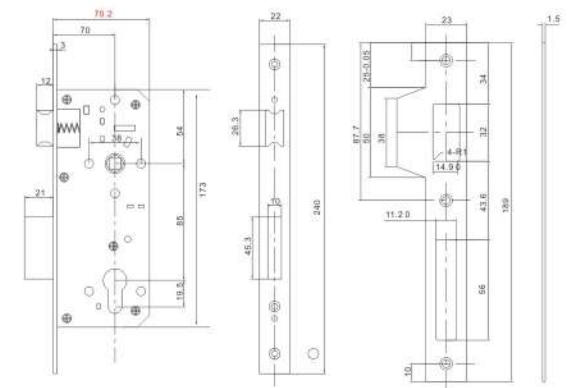
Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 Features:For wooden& metal doors
 For single-leaf doors
 Prepared for profile cylinders
 With key action
 Material: Stainless steel or brass latch bolt
 Stainless steel or iron dead bolt,
 deadbolt 2-tutns
 Technical Data: 1.Follower: 8mm
 2.Distance: 85mm
 3.Backset:40,45,50,55,60,70mm
 Forend: 1.Type:Square head
 2.Thickness:3mm
 3.Width:22mm
 Forend material: Stainless steel,Brass,iron
 Accessories:Striking plate
 Lock and striking plate fixing screws



ART.NO:
LB.700085.SS

Technical Specifications

Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 Features:For wooden& metal doors
 For single-leaf doors
 Prepared for profile cylinders
 With key action
 Material: Stainless steel or brass latch bolt
 Stainless steel or iron dead bolt,
 deadbolt 2-tutns
 Technical Data: 1.Follower: 8mm
 2.Distance: 85mm
 3.Backset:70mm
 Forend: 1.Type:Square head
 2.Thickness:3mm
 3.Width:22mm
 Forend material: Stainless steel,Brass,iron
 Accessories:Striking plate
 Lock and striking plate fixing screws





ART.NO:
LB.450385.SS

Technical Specifications

Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
Features:For wooden& metal doors

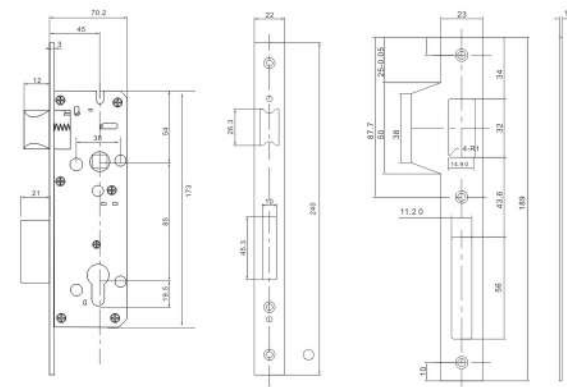
For single-leaf doors
Prepared for profile cylinders
With key action

Material: Stainless steel or brass latch bolt
Stainless steel or iron dead bolt,
deadbolt 2-tutns

Technical Data: 1.Follower: 8mm
2.Distance: 85mm
3.Backset:40,45,50,55,60,70mm

Forend: 1.Type:Square head
2.Thickness:2.5/3mm
3.Width:22mm

Forend material: Stainless steel,Brass,iron
Accessories:Striking plate
Lock and striking plate fixing screws



ART.NO:
LB.450085.ROLLA.SS

Technical Specifications

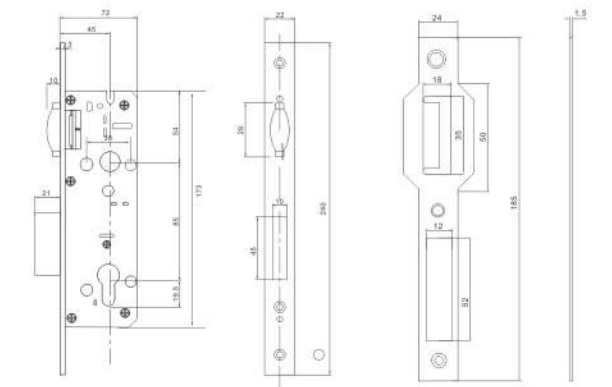
Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
Features:For wooden& metal doors

For single-leaf doors
Prepared for profile cylinders
With key action

Material: Stainless steel or brass rolla bolt
Stainless steel or brass dead bolt,
deadbolt 2-tutns

Technical Data: 1.Distance: 85mm
2.Backset:40,45,50,55,60mm
Forend: 1.Type:Square head
2.Thickness:3mm
3.Width:22mm

Forend material: Stainless steel,Brass,iron
Accessories:Striking plate
Lock and striking plate fixing screws



ART.NO:
LB.550372.SS

Technical Specifications

Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
Features:For wooden& metal doors

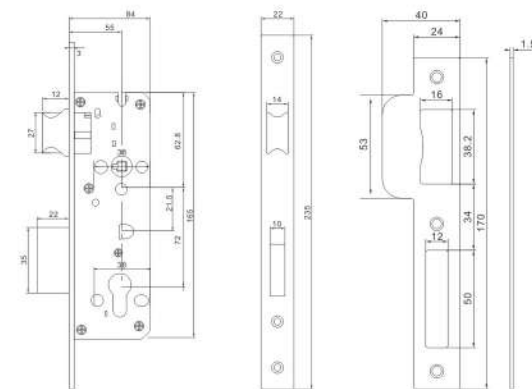
For single-leaf doors
Prepared for profile cylinders
With key action

Material: Stainless steel or brass latch bolt
Stainless steel or iron dead bolt,
deadbolt 2-tutns

Technical Data: 1.Follower: 8mm
2.Distance: 72mm
3.Backset:50,55,60,65mm

Forend: 1.Type:Square head
2.Thickness:3mm
3.Width:22/24mm

Forend material: Stainless steel,Brass,iron
Accessories:Striking plate
Lock and striking plate fixing screws



ART.NO:
LB.550072.ROLLA.SS

Technical Specifications

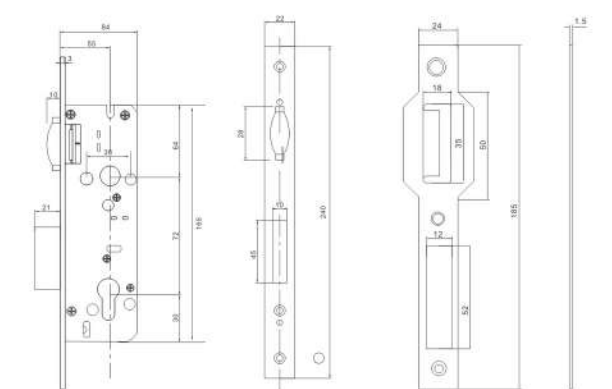
Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
Features:For wooden& metal doors

For single-leaf doors
Prepared for profile cylinders
With key action

Material: Stainless steel or brass rolla bolt
Stainless steel or brass dead bolt,
deadbolt 2-tutns

Technical Data: 1.Distance: 72mm
2.Backset:50,55,60mm
Forend: 1.Type:Square head
2.Thickness:3mm
3.Width:22mm

Forend material: Stainless steel,Brass,iron
Accessories:Striking plate
Lock and striking plate fixing screws

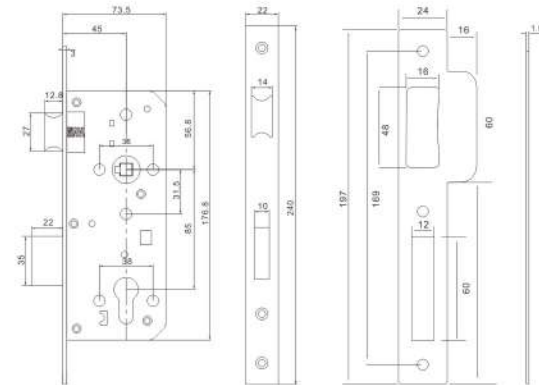




ART.NO:
LB.MAG.450085.SS
LB.MAG.500085.SS
LB.MAG.600085.SS

Technical Specifications

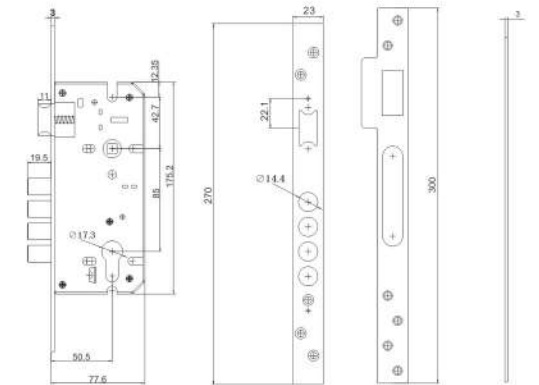
Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 Features:For wooden& metal doors
 For single-leaf doors
 Prepared for profile cylinders
 With key action
 Material: magnetic latch bolt
 zinc alloy or iron dead bolt
 Technical Data: 1.Follower: 8mm
 2.Distance: 85mm
 3.Backset:45,50,55,60mm
 Forend: 1.Type:Square head
 2.Thickness:3mm
 3.Width:22mm
 Forend material: Stainless steel,iron
 Accessories:Striking plate
 Lock and striking plate fixing screws



ART.NO:
LB.502485.4R.SS
LB.602485.4R.SS

Technical Specifications

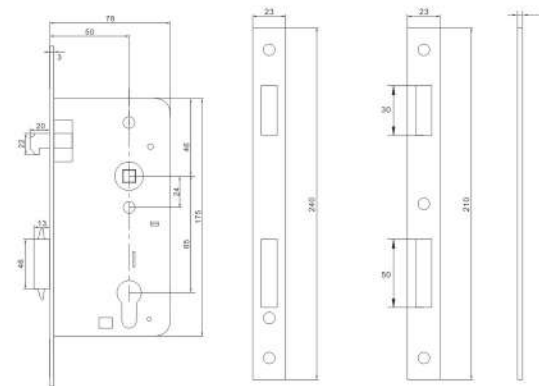
Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 Features:For wooden& metal doors
 For single-leaf doors
 Prepared for profile cylinders
 With key action
 Material: Stainless steel or brass latch bolt
 Stainless steel or iron dead bolt,
 deadbolt 2-tutns
 Technical Data: 1.Follower: 8mm
 2.Distance: 85mm
 3.Backset:45,50,55,60mm
 Forend: 1.Type:Square head
 2.Thickness:3mm
 3.Width:23mm
 Forend material: Stainless steel,iron
 Accessories:Striking plate
 Lock and striking plate fixing screws



ART.NO:
LB.451985.SS
LB.501985.SS

Technical Specifications

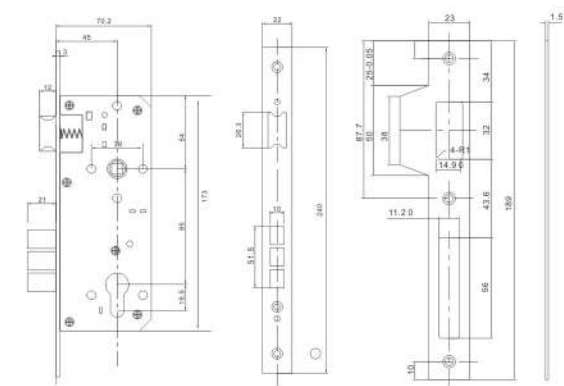
Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 Material:Stainless steel\Brass\Iron
 Features:For wooden& metal doors
 For single-leaf doors
 Material: Stainless steel or brass latch bolt
 Deadbolt 1-tutns
 Technical Data: 1.Follower: 8mm
 2.Distance: 85mm
 3.Backset:45,50mm
 Forend: 1.Type:Square head
 2.Thickness:3mm
 3.Width:22mm
 Accessories: Striking plate
 Lock and striking plate fixing screws



ART.NO:
LB.400085.3R.SS
LB.450085.3R.SS
LB.500085.3R.SS
LB.550085.3R.SS
LB.600085.3R.SS

Technical Specifications

Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 Features:For wooden& metal doors
 For single-leaf doors
 Prepared for profile cylinders
 With key action
 Material: Stainless steel or brass latch bolt
 Stainless steel or iron dead bolt,
 deadbolt 2-tutns
 Technical Data: 1.Follower: 8mm
 2.Distance: 85mm
 3.Backset:45,50,55,60mm
 Forend: 1.Type:Square head
 2.Thickness:3mm
 3.Width:22mm
 Forend material: Stainless steel,Brass,iron
 Accessories:Striking plate
 Lock and striking plate fixing screws

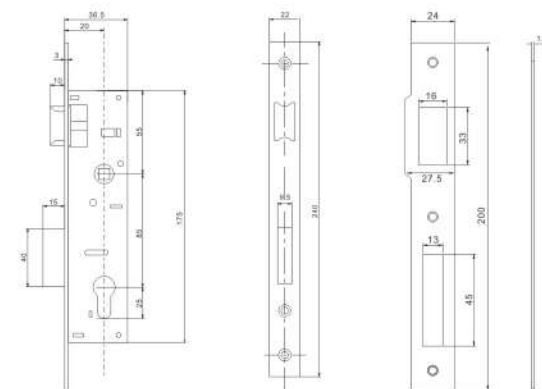




ART.NO:
LB.850920.SS
LB.850925.SS
LB.850930.SS

Technical Specifications

Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 Features:For wooden& metal doors
 For single-leaf doors
 Prepared for profile cylinders
 With key action
 Material: Stainless steel or Iron latch bolt
 Stainless steel or Iron dead bolt,
 deadbolt 1-tutns
 Technical Data: 1.Follower: 8mm
 2.Distance: 85mm
 3.Backset:20,25,30,35mm
 Forend: 1.Type:Square head
 2.Thickness:3mm
 3.Width:22mm
 Forend material: Stainless steel,iron
 Accessories:Striking plate
 Lock and striking plate fixing screws

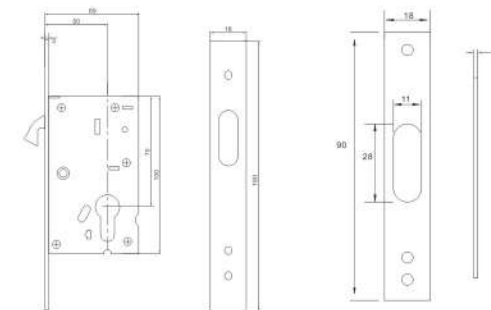


LB.J5005.50.SS



Technical Specifications

Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 Features:For wooden& metal doors
 For single-leaf doors
 Prepared for profile cylinders
 With key action
 Material: Zinc alloy latch bolt
 Technical Data: 50mm
 Forend: 1.Type:Square head
 2.Thickness:2.5mm
 3.Width:16mm
 Forend material: Stainless steel,iron
 Accessories:Striking plate
 Lock and striking plate fixing screws

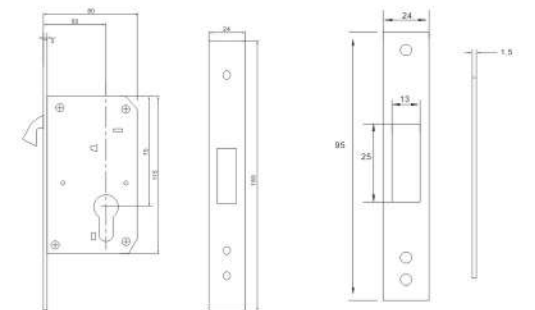


LB.J5001.50.SS



Technical Specifications

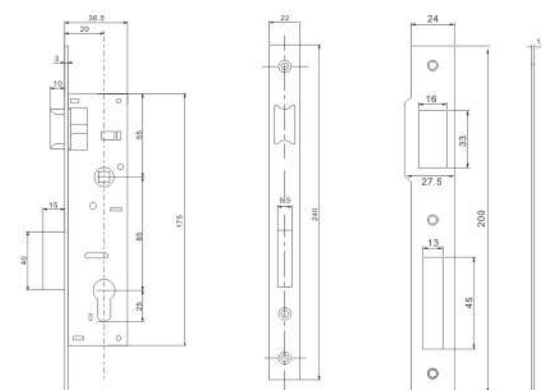
Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 Features:For wooden& metal doors
 For single-leaf doors
 Prepared for profile cylinders
 With key action
 Material: Stainless steel latch bolt
 Technical Data: 50mm
 Forend: 1.Type:Square head
 2.Thickness:3mm
 3.Width:24mm
 Forend material: Stainless steel,iron
 Accessories:Striking plate
 Lock and striking plate fixing screws



ART.NO:
LB.851720.SS
LB.851725.SS
LB.851730.SS

Technical Specifications

Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 Features:For wooden& metal doors
 For single-leaf doors
 Prepared for profile cylinders
 With key action
 Material: Stainless steel or Iron latch bolt
 Stainless steel or Iron dead bolt,
 deadbolt 1-tutns
 Technical Data: 1.Follower: 8mm
 2.Distance: 85mm
 3.Backset:20,25,30,35mm
 Forend: 1.Type:Square head
 2.Thickness:3mm
 3.Width:22mm
 Forend material: Stainless steel,iron
 Accessories:Striking plate
 Lock and striking plate fixing screws

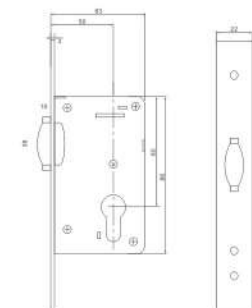


LB.5002-ROLLA.SS



Technical Specifications

Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 Features:For wooden& metal doors
 For single-leaf doors
 Prepared for profile cylinders
 With key action
 Material: Stainless steel or brass rolla bolt
 Technical Data: Backset:50mm
 Forend: 1.Type:Square head
 2.Thickness:2.5mm
 3.Width:22mm
 Forend material: Stainless steel,iron
 Accessories:Striking plate
 Lock and striking plate fixing screws

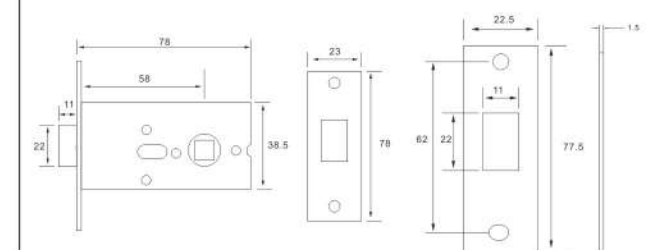


LB.5801.55.SS



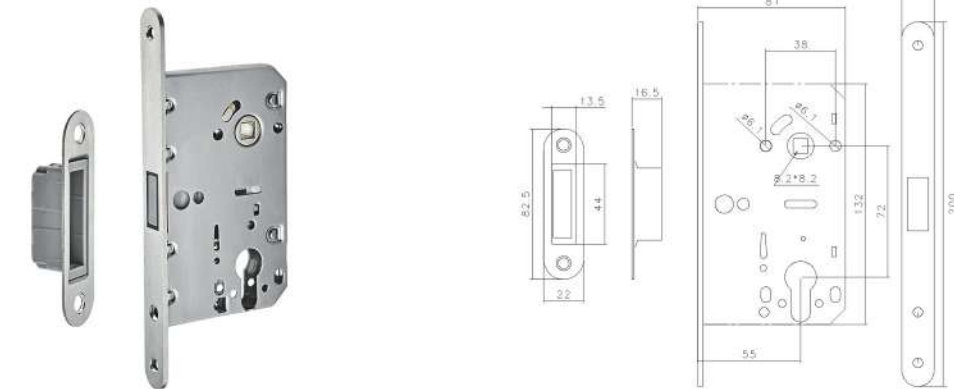
Technical Specifications

Finish:SS/BLK/MSB/PVD/MAB/MAC/PSS
 Features:For wooden& metal doors
 For single-leaf doors
 Stainless steel or brass dead bolt
 Technical Data: 1.Follower:8mm
 2.Backset:58mm
 Forend: 1.Type:Square head
 2.Thickness:1.5mm
 3.Width:23mm
 Forend material: Stainless steel,iron
 Accessories:Striking plate
 Lock and striking plate fixing screws





LB.MAG.550072.SS



CY.B.DP05.70

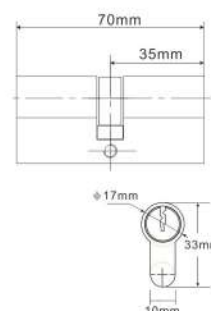
Special key with double side teeth



Installation Instruction

1. install the lock body and pre-tighten the screws
2. install the escutcheons and handles, and then pre-tighten the screws; adjust the position to enable the handles move smoothly.
3. insert the cylinder, pre-tighten the screws; turning the key and knob, ensure them move smoothly and then tighten the screws
4. install the plastic striking plate, and then pre-tighten the screws; adjust the position to enable lock and unlock smoothly, adjust to the best working condition, and then tighten all screws

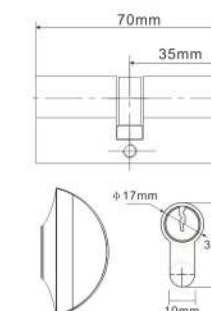
Finish: SS/SPVD/SN/AB/AC/CP
Material: Stainless steel\Brass\Iron
Mortise Lock
Technical Data:
1. Lever follower: $\square 8.2 \times 8.2 \text{ mm}$
2. Center Length(A): 72mm
3. Edge Distance: 55mm
Accessories:
1. Screws
2. Striking Plate
3. Plastic Strike Box



CY.B.DP01.70.SN Euro Profile Double Cylinder

Technical Specifications

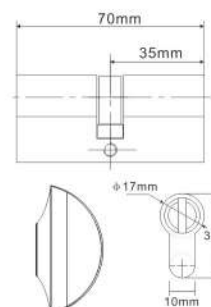
1. Material: Brass HPB59-1
2. Color: SN/BLK/MSB/PVD/MAB/MAC
3. Section Size: $\phi 17 \times 33 \times 10$ mm
4. Cam: Sintered Steel, R15*6.5
5. 6 pcs movable detainer
6. Keys: Brass / Cupronickel
7. Compliance with DIN 18252/En1303
(Durability: 100,000 test cycles)



CY.B.KB03.70.SN Euro Profile Knob Cylinder

Technical Specifications

1. Material: Brass HPB59-1
2. Color: SN/BLK/MSB/PVD/MAB/MAC
3. Section Size: $\phi 17 \times 33 \times 10$ mm
4. Cam: Sintered Steel, R15*6.5
5. 6 pcs movable detainer
6. Keys: Brass / Cupronickel
7. Knob: Brass
8. Compliance with DIN 18252/En1303
(Durability: 100,000 test cycles)



CY.B.BA03.70.SN Euro Profile Toilet Cylinder

Technical Specifications

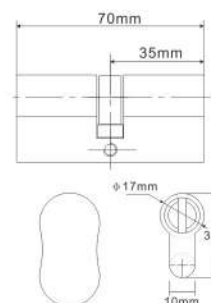
1. Material: Brass HPB59-1
2. Section Size: $\phi 17 \times 33 \times 10$ mm
3. Cam: Sintered Steel, R15*6.5
4. Knob: Brass
5. Compliance with DIN 18252/En1303



CY.B.KB06.70.SN Euro Profile Knob Cylinder

Technical Specifications

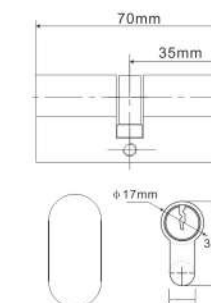
1. Material: Brass HPB59-1
2. Color: SN/BLK/MSB/PVD/MAB/MAC
3. Section Size: $\phi 17 \times 33 \times 10$ mm
4. Cam: Sintered Steel, R15*6.5
5. 6 pcs movable detainer
6. Keys: Brass / Cupronickel
7. Knob: Brass
8. Compliance with DIN 18252/En1303
(Durability: 100,000 test cycles)



CY.B.BA06.70.SN Euro Profile Toilet Cylinder

Technical Specifications

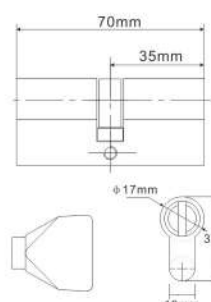
1. Material: Brass HPB59-1
2. Color: SN/BLK/MSB/PVD/MAB/MAC
3. Section Size: $\phi 17 \times 33 \times 10$ mm
4. Cam: Sintered Steel, R15*6.5
5. Knob: Brass
6. Compliance with DIN 18252/En1303



CY.B.KB07.70.SN Euro Profile Knob Cylinder

Technical Specifications

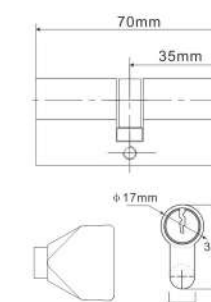
1. Material: Brass HPB59-1
2. Color: SN/BLK/MSB/PVD/MAB/MAC
3. Section Size: $\phi 17 \times 33 \times 10$ mm
4. Cam: Sintered Steel, R15*6.5
5. 6 pcs movable detainer
6. Keys: Brass / Cupronickel
7. Knob: Brass
8. Compliance with DIN 18252/En1303
(Durability: 100,000 test cycles)



CY.B.BA10.70.SN Euro Profile Toilet Cylinder

Technical Specifications

1. Material: Brass HPB59-1
2. Color: SN/BLK/MSB/PVD/MAB/MAC
3. Section Size: $\phi 17 \times 33 \times 10$ mm
4. Cam: Sintered Steel, R15*6.5
5. Knob: Brass
6. Compliance with DIN 18252/En1303



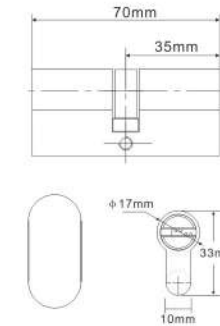
CY.B.KB10.70.SN Euro Profile Knob Cylinder

Technical Specifications

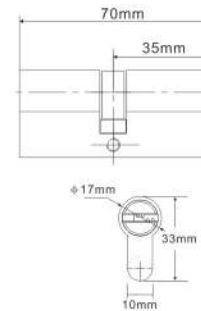
1. Material: Brass HPB59-1
2. Color: SN/BLK/MSB/PVD/MAB/MAC
3. Section Size: $\phi 17 \times 33 \times 10$ mm
4. Cam: Sintered Steel, R15*6.5
5. 6 pcs movable detainer
6. Keys: Brass / Cupronickel
7. Knob: Brass
8. Compliance with DIN 18252/En1303
(Durability: 100,000 test cycles)



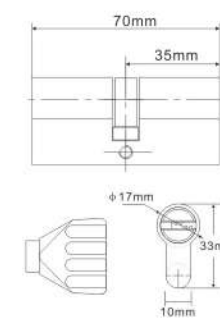
- CY.B.EC01.45.SN**
Euro Profile Double Cylinder
- Technical Specifications**
1. Material: Brass HPB59-1
 2. Color: SN/BLK/MSB/PVD/MAB/MAC
 3. Section Size: $\phi 17 \times 33 \times 10$ mm
 7. Cam: Sintered Steel, R15*6.5
 5. 6 pcs movable detainer
 6. Keys: Brass / Cupronickel



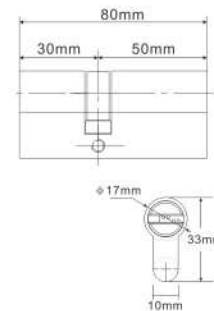
- CY.B.KB02.70.SN**
Euro Profile Double Cylinder
- Technical Specifications**
1. Material: Brass HPB59-1
 2. Color: SN/BLK/MSB/PVD/MAB/MAC
 3. Section Size: $\phi 17 \times 33 \times 10$ mm
 4. Cam: Sintered Steel, R15*6.5
 5. 6 pcs movable detainer
 6. Keys: Brass / Cupronickel



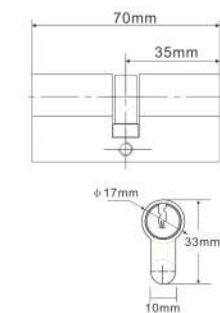
- CY.B.CDP01.70.SN.SP**
Euro Profile Double Cylinder
- Technical Specifications**
1. Material: Brass HPB59-1
 2. Color: SN/BLK/MSB/PVD/MAB/MAC
 3. Section Size: $\phi 17 \times 33 \times 10$ mm
 4. Cam: Sintered Steel, R15*6.5
 5. 6 pcs movable detainer
 6. Keys: Brass / Cupronickel



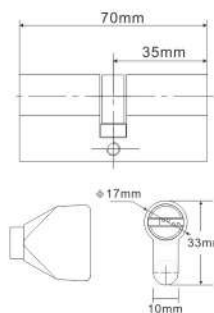
- CY.B.KB33.70.SN**
Euro Profile Double Cylinder
- Technical Specifications**
1. Material: Brass HPB59-1
 2. Color: SN/BLK/MSB/PVD/MAB/MAC
 3. Section Size: $\phi 17 \times 33 \times 10$ mm
 4. Cam: Sintered Steel, R15*6.5
 5. 6 pcs movable detainer
 6. Keys: Brass / Cupronickel



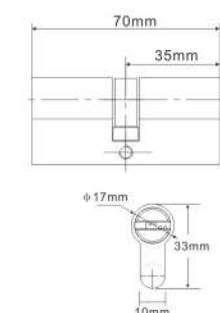
- CY.B.CDP01.80.SN.SP**
Euro Profile Double Cylinder
- Technical Specifications**
1. Material: Brass HPB59-1
 2. Color: SN/BLK/MSB/PVD/MAB/MAC
 3. Section Size: $\phi 17 \times 33 \times 10$ mm
 4. Cam: Sintered Steel, R15*6.5
 5. 6 pcs movable detainer
 6. Keys: Brass / Cupronickel



- CY.B.DT7.70.SN**
Euro Profile Double Cylinder
- Technical Specifications**
1. Material: Brass HPB59-1
 2. Color: SN/BLK/MSB/PVD/MAB/MAC
 3. Section Size: $\phi 17 \times 33 \times 10$ mm
 4. Cam: Sintered Steel, R15*6.5
 5. 6 pcs movable detainer
 6. Keys: Brass / Cupronickel



- CY.B.CKB10.70.SN.SP**
Euro Profile Double Cylinder
- Technical Specifications**
1. Material: Brass HPB59-1
 2. Color: SN/BLK/MSB/PVD/MAB/MAC
 3. Section Size: $\phi 17 \times 33 \times 10$ mm
 4. Cam: Sintered Steel, R15*6.5
 5. 6 pcs movable detainer
 6. Keys: Brass / Cupronickel



- CY.B.ATD9.70.SN**
Euro Profile Double Cylinder
- Technical Specifications**
1. Material: Brass HPB59-1
 2. Color: SN/BLK/MSB/PVD/MAB/MAC
 3. Section Size: $\phi 17 \times 33 \times 10$ mm
 4. Cam: Sintered Steel, R15*6.5
 5. 6 pcs movable detainer
 6. Keys: Brass / Cupronickel

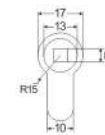


D3709.BB

Technical Specifications

1. Material: Brass
2. Color: PB/SN
3. Dimension: 16/22/24/36/42mm

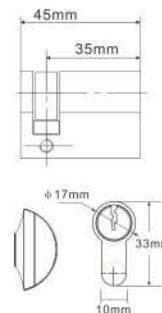
Thumbturn follower: 6mm or 8mm
Adaptor: Coverts from normal cylinder type to bathroom (thumb turn) type.



CY.B.EC03.45.SN Euro Profile Cylinder

Technical Specifications

1. Material: Brass HPB59-1
2. Color: SN/BLK/MSB/PVD/MAB/MAC
3. Section Size: $\phi 17 \times 33 \times 10$ mm
4. Cam: Sintered Steel, R15*6.5
5. Knob: Brass or zinc alloy



CY.B.DP03.70.SN Euro Profile Anti-snap & Anti-break cylinder

Technical Specifications

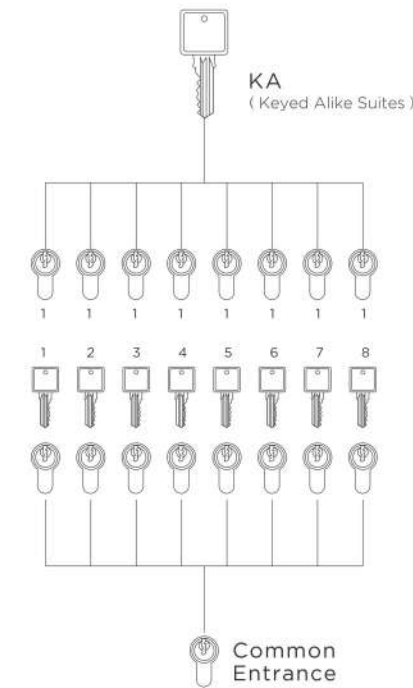
1. Color: SN/BLK/MSB/PVD/MAB/MAC
2. Anti-snap bar placed at the housing
3. Anti-break bar placed at the housing
4. Using telescopic pin and moving pin structure.
5. Standard 0.1 - 0.15mm gap between rotor and housing
6. Suitable for doing master key system. Offering master pins (3 kinds)
7. Key blanks with mobile pins assembled already
8. Available for different finishes. Plastic key head. Nickel silver keys



CY.B.DP04.70.SN Euro Profile Double Entry Cylinder

Technical Specifications

1. Material: Brass HPB59-1
2. Color: SN/BLK/MSB/PVD/MAB/MAC
3. Section Size: $\phi 17 \times 33 \times 10$ mm
4. Cam: Sintered Steel, R15*6.5
5. 6 pcs movable detainer
6. Keys: Brass / Cupronickel
7. Emergency and danger function: Allows you to open a door with an already inserted key on the inside



Keyed To Differ

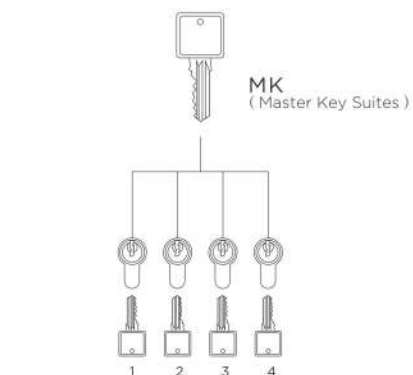
Cylinders to differ are all operated by individual keys all different to each other.

Keyed Alike Suites (KA)

In keyed alike arrangements all cylinders are operated by the same key. This gives an arrangement where one key will open a group of locks. Not to be confused with a master keyed suite (see below). Cylinders can also be keyed alike to the euro profile, oval and rim cylinders. This is useful where a combination of cylinder mortice lock cases and cylinder rim nightlatches are being used.

Common Entrance Suite

Common entrance (or flat entrance) suites are designed to enable a tenant to use the same key for his own private doors as well as doors common to other residents within the same buildings. The common entrance feature can be incorporated within any master key suite.

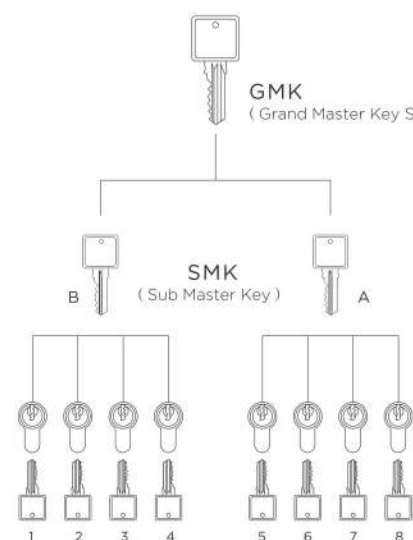


Master Key Suites (MK)

In Master key suites, a group of cylinders, each equipped with an individual servant key, is also operated by one special key known as the master key. Keyed alike groups can also be incorporated into any master key suite.

Grand Master Key Suites (GMK)

Grand master key suites are used when it is necessary to have more than one master key group. These groups are referred to as sub suites. In these instances all cylinders irrespective of their sub suite, are controlled by one key known as the grand master key.



HINGES AND HARDWARE ACCESSORIES SERIES

06

DOOR HARDWARE



Locations

SM
San Marino

sanmarino

Barwa Village-Shop 37, Building 8, Doha-Qatar Al Qusais Ind3, Store No.10, Dubai, U.A.E

Novella 1804 15 Stanley Street Salford Postcode M3 5GW Manchester England

 sanmarinoqatar.com

HG.3D.S.160/120KG.SS

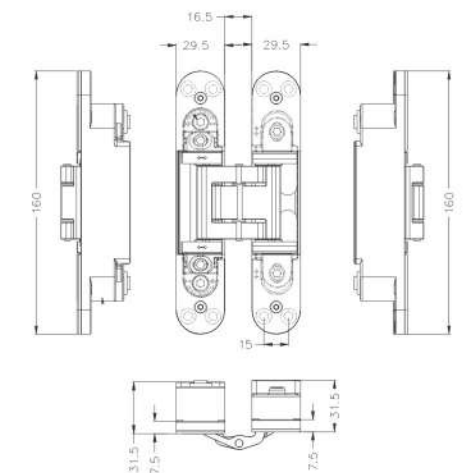


DOOR SPECIFICATIONS

Material	stainless steel
Max.Door Weight	120kg (2 pcs)
Door Thickness	38-60mm
Door Size	width≤900mm height≤2300mm

ADJUSTMENT

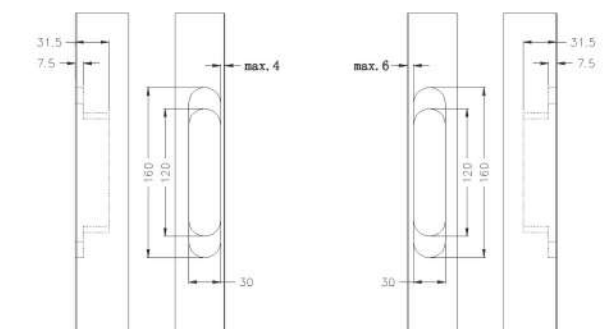
Vertical	33 mm
Horizontal	31.5 mm
Depth	31.5 mm



CUT OUT DRAWING

cut out drawing for
door side

cut out drawing for
frame side



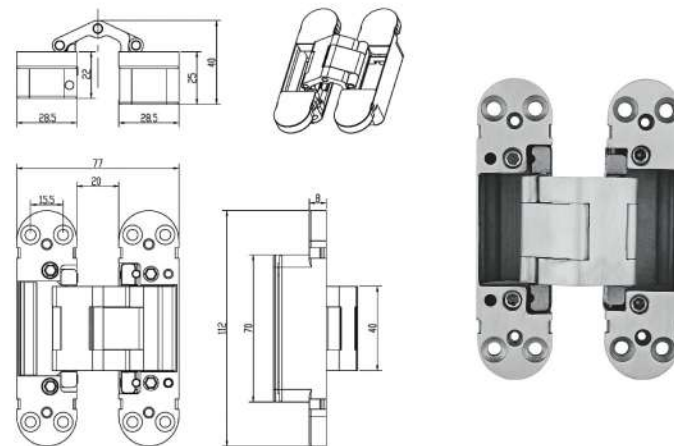
HG.3D.S.112/100KG.SS



TECHNICAL DETAIL

Load capacity (two hinges per door leaf)	100kg
Overall length	112mm
Width (frame part)	28.5mm
Width (door part)	28.5mm
Cutting depth (frame part)	24mm
Cutting depth (door part)	27mm
Opening angle	180°
Minimum door thickness (timber door)	40mm
Minimum door thickness (steel door)	35mm

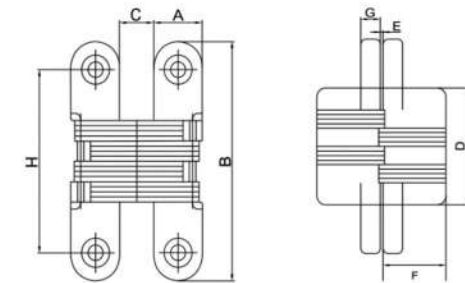
Material: stainless steel
Finish: Body: Nature
Cover: Customized (surface treatment for stainless steel)



HG.SZ.ED-02.SN



HG.SZ.ED-04"SN-TH



Dimension (mm)	Zinc Alloy Shell Stainless Steel Core Concealed Hinge Parameter										
	34X140	28X118	25X118	19X95	16X70	13X60	13X45	28X118	28X118	28X118	19X118
A	34	28	25	19	16	13	13	28	25	28	19
B	139.5	117.5	117.5	95	70	60	45	117.5	117.5	117.5	95
C	27.5	22	18	13	11	9	9	25	18	22	13
D	74.5	61.5	64	51.2	34	30	19	61.5	64	61.5	51.2
E	1.6	1.4	1.6	1.2	0.8	0.8	0.8	1.4	1.6	1.4	1.2
F	51	41	36	27	22.5	18	18	44	36	41	27
G	11.5	9.5	11	9	7	6	5	12	11.5	9.5	9
H	outer hole 113.5 inner hole 102.5	outer hole 93 outer hole 87	90	73	51	47	30.5	90	90	outer hole 93 inner hole 87	73
Door thickness	50mm	40mm	35mm	30mm	25mm	20mm	20mm	40mm	35mm	40mm	30mm
Each weight g/pc	1400g	785g	650g	310g	160g	85g	55g	800g	630g	1090g	276g
Bearing weight kg/pc	50kg	40kg	30kg	25kg	15kg	10kg	5kg	25kg	30kg	40kg	25kg

Installation: 3pcs for a door, it depends on door thick, weight, and actual situation.

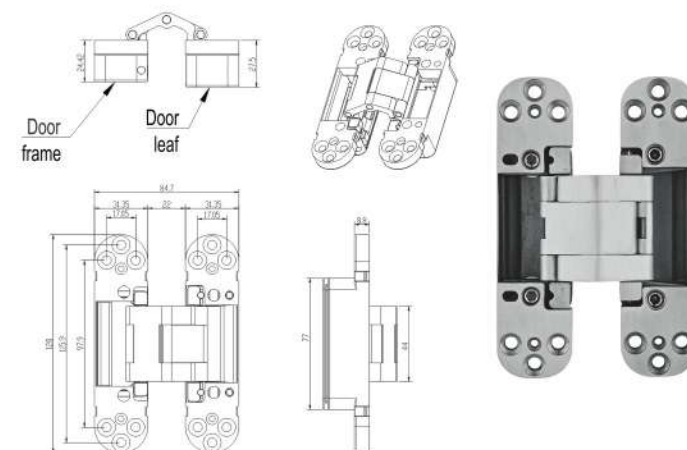
HG.3D.S.128/120KG.SS



TECHNICAL DETAIL

Load capacity (two hinges per door leaf)	120kg
Overall length	128mm
Width (frame part)	32mm
Width (door part)	32mm
Cutting depth (frame part)	26.5mm
Cutting depth (door part)	29mm
Opening angle	180°
Minimum door thickness (timber door)	40mm
Minimum door thickness (steel door)	38mm

Material: stainless steel
Finish: Body: Nature
Cover: Customized (surface treatment for stainless steel)

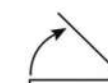
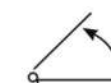


HG.3D.110MM



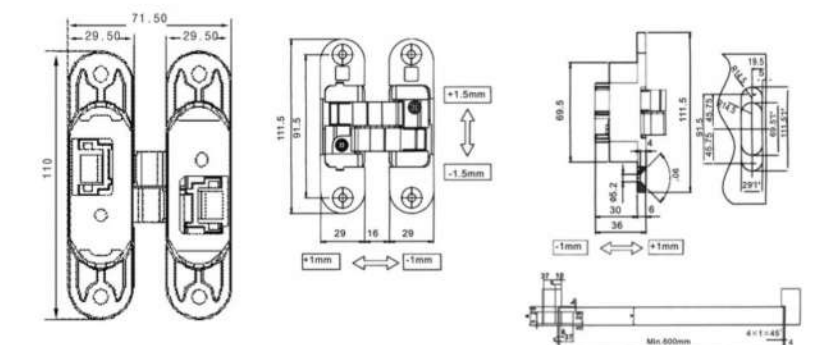
LEFT HAND

RIGHT HAND



TECHNICAL DETAIL

Material:	zinc alloy
Finish:	SC, SN, CP, NP, AB, AC, etc.
Area of application:	For wooden frames, for steel frames, for aluminum frames, etc.
Installation:	Door weight : ≤60 kg with 3 door hinges
Opening angle:	≤180°
Door width:	≤1000mm
Door thickness:	≥40mm
Door height:	≥2100mm with 4 door hinges
Size:	110mm
Adjustment facility:	Continuously 3D adjustable:
Height	31.5 mm, side and closing pressure 31 mm
Mounting:	Suitable for DIN left hand, DIN right hand



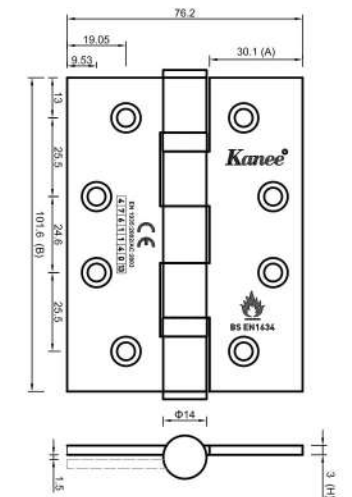


HG.S.403030.SS.2BB.EN

For wooden and metal frames
Material: stainless steel
Finish: SS/DAB/PVD/BLK



CE	Historical Lakes Metal Items and Locks Accessories LLC +971502243980, Dubai, U.A.E.	20
0905	EN 1935:2002(AC:2005)	4 7 6 1 1 4 0 13
Dangerous substances: None		

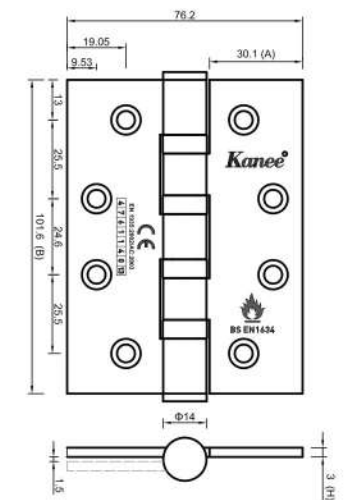


HG.S.403030.SS.4BB.EN

For wooden and metal frames
Material: stainless steel
Finish: SS/DAB/PVD/BLK



CE	Historical Lakes Metal Items and Locks Accessories LLC +971502243980, Dubai, U.A.E.	20
0905	EN 1935:2002(AC:2005)	4 7 6 1 1 4 0 13
Dangerous substances: None		

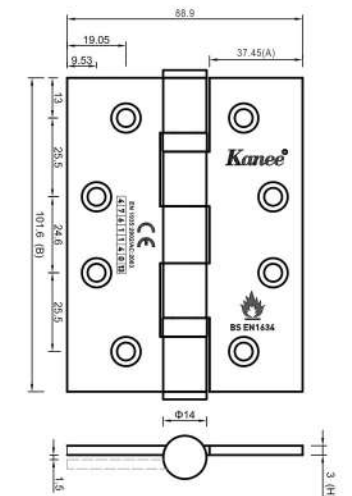


HG.S.403530.SS.2BB.EN

For wooden and metal frames
Material: stainless steel
Finish: SS/DAB/PVD/BLK



CE	Historical Lakes Metal Items and Locks Accessories LLC +971502243980, Dubai, U.A.E.	20
0905	EN 1935:2002(AC:2005)	4 7 6 1 1 4 0 13
Dangerous substances: None		



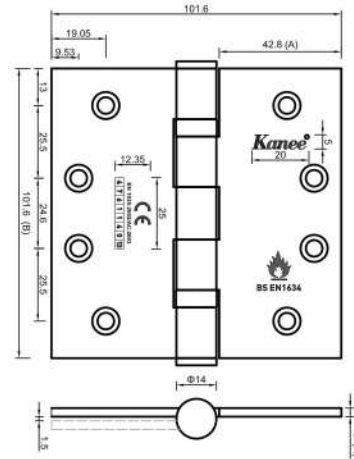


HG.S.404030.SS.2BB.EN

For wooden and metal frames
Material: stainless steel
Finish: SS/DAB/PVD/BLK

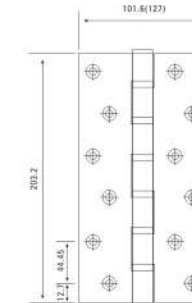


	Historical Lakes Metal Items and Locks Accessories LLC +971502243980, Dubai, U.A.E.	20
0905	EN 1935:2002/AC:2003	4 7 6 1 1 4 0 13
Dangerous substances: None		



HG.S.804035.6BB.SS

Finish:
SS/DAB/PVD/BLK
Material:
Stainless Steel
Available For:
All Kinds Of Wooden Gate Door,
Room Door



Dimension(HxWxT)	Bearing
HG.S.804035.6BB	6BB
HG.S.804040.6BB	6BB
HG.S.805040.6BB	6BB

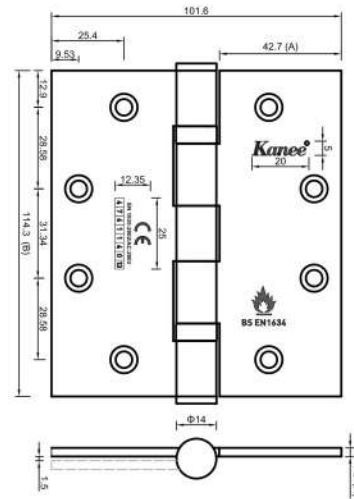


HG.S.454030.SS.2BB.EN

For wooden and metal frames
Material: stainless steel
Finish: SS/DAB/PVD/BLK

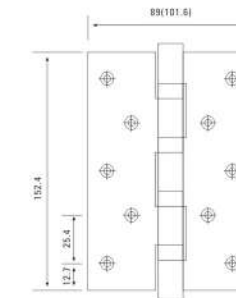


	Historical Lakes Metal Items and Locks Accessories LLC +971502243980, Dubai, U.A.E.	20
0905	EN 1935:2002/AC:2003	4 7 6 1 1 4 0 13
Dangerous substances: None		



HG.S.604030.4BB.SS

Finish:
SS/DAB/PVD/BLK
Material:
Stainless Steel
Available For:
All Kinds Of Wooden Gate Door,
Room Door



Dimension(HxWxT)	Bearing
HG.S.603530.4BB	4BB
HG.S.603535.4BB	4BB
HG.S.604030.4BB	4BB
HG.S.604035.4BB	4BB
HG.S.604040.4BB	4BB

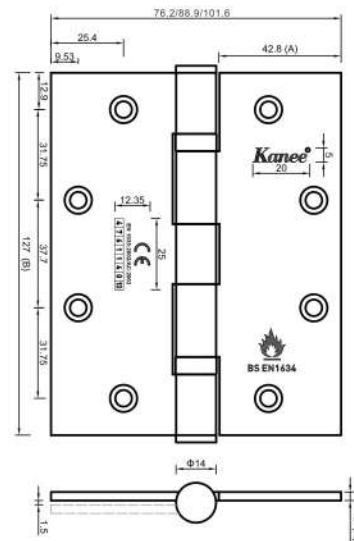


HG.S.503030.SS.2BB.EN HG.S.503530.SS.2BB.EN HG.S.504030.SS.2BB.EN

For wooden and metal frames
Material: stainless steel
Finish: SS/DAB/PVD/BLK

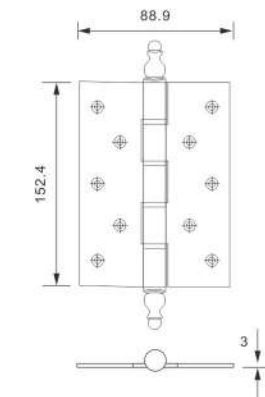


	Historical Lakes Metal Items and Locks Accessories LLC +971502243980, Dubai, U.A.E.	20
0905	EN 1935:2002/AC:2003	4 7 6 1 1 4 0 13
Dangerous substances: None		

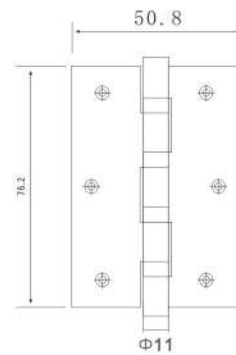


HG.603530.4BB.CHP.PVD

Finish:
SS/DAB/PVD/BLK
Material:
Stainless Steel
Available For:
All kinds of wooden gate door, room door
FEATURES:
Switching flexibility, No noise, Long life

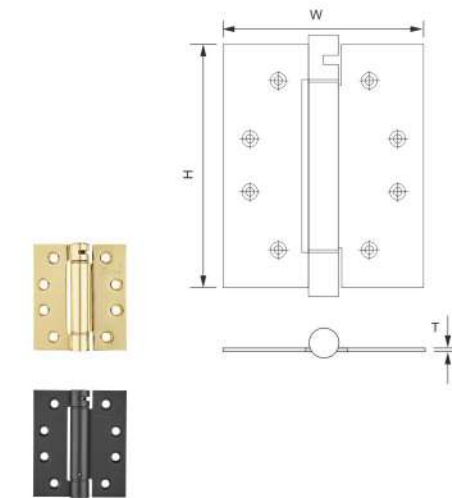


Dimension(HxWxT)	Bearing
HG.S.403030.CHP	4BB
HG.S.503530.CHP	4BB
HG.S.603530.CHP	4BB



HG.S.302020.2BB.SS

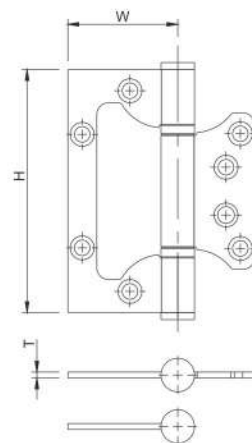
Finish:
SS/DAB/PVD/BLK
Material:
Stainless Steel
Available For:
All Kinds Of Wooden Gate Door,
Room Door



HG.I.SPH403530.SN

Finish:
SS/DAB/PVD/BLK
Material:
Steel
Available for:
All kinds of wooden gate door, room door
FEATURES:
Switching flexibility, No noise, Long life

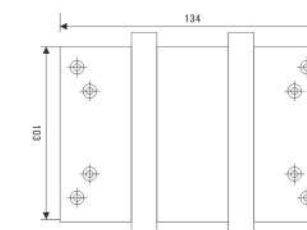
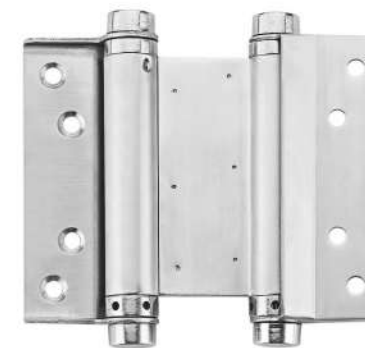
Dimension(HxWxT)	Dimension(HxWxT)
4"x3"x2.0mm	4"x4"x2.5mm
4"x3"x3.0mm	4"x4"x2.7mm
4"x3.5"x3.0mm	4"x4"x3.3mm
4"x4"x3.0mm	4.5"x4"x3.4mm
	4.5"x4.5"x3.4mm



HG.S.BFH.403025.SS

Finish:
SS/DAB/PVD/BLK
Material:
Stainless Steel
Available For:
All Kinds Of Wooden Gate Door,
Room Door

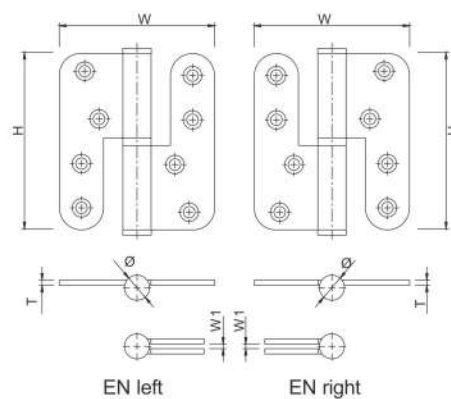
Dimension(HxWxT)	
4.0"x3.0"x2.5mm	
4.0"x3.0"x3.0mm	
4.0"x3.5"x3.0mm	



HG.S.DA.4"x2mm.SS

Finish:
SS/DAB/PVD/BLK
Material:
Stainless Steel
Available For:
All Kinds Of Wooden Gate Door,
Room Door

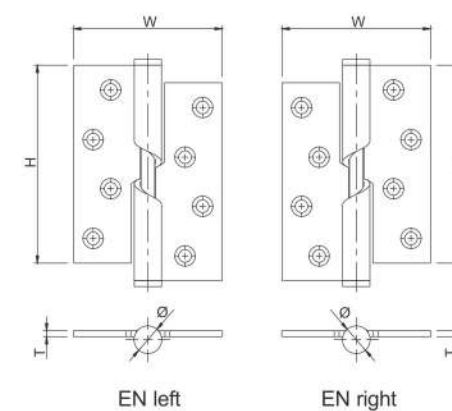
Dimension(HxWxT)	Bearing
4"x2mm	/



HG.S.HH.100x86x3.SS

Finish:
SS/DAB/PVD/BLK
Material:
Stainless steel
Available for:
All kinds of wooden gate door, room door
Features:
Switching flexibility, No noise, Long life

Dimension(HxWxT)	
100x86x3.0mm	



HG.S.UD.403030.SS

Finish:
SS/DAB/PVD/BLK
Material:
Stainless steel
Available for:
All kinds of wooden gate door, room door
Features:
Switching flexibility, No noise, Long life

Dimension(HxWxT)	
4"x3"x2.0mm	
4"x3"x3.0mm	
3"x2.5"x2.0mm	



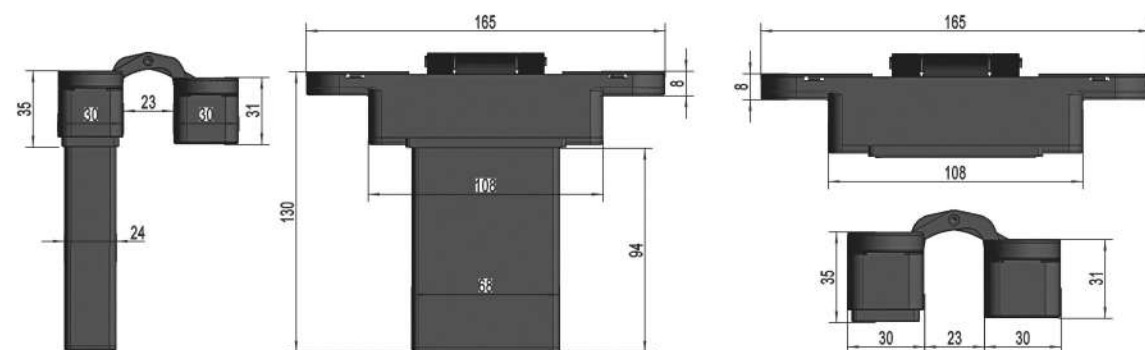
EDA-20 BLK
Load capacity: 2pcs 60kg

Finish:
OX/SG/DAB/DAC/BLK
Main material:
zinc alloy
Surface treatment:
matte black



EDA-20 BLK
Load capacity: 3pcs 80kg

Finish:
OX/SG/DAB/DAC/BLK
Main material:
zinc alloy
Surface treatment:
matte black



DS.Z.3891.CP



DS.Z.3891.MSN



DS.Z.3891.MBS



DS.Z.3891.COF



DS.Z.3891.PVD



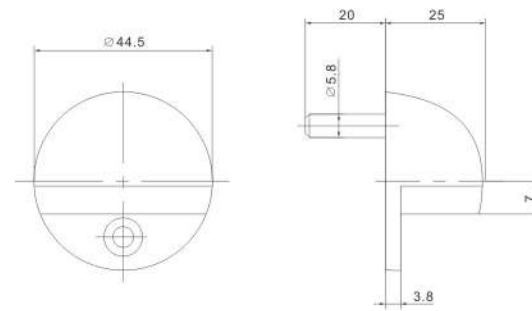
DS.Z.3891.BLK





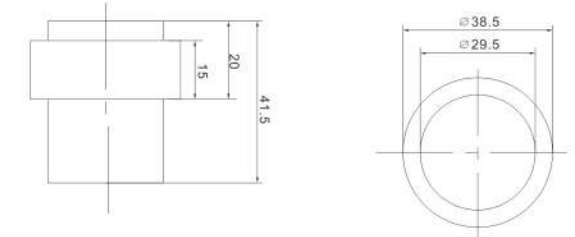
DS.Z.3704.SN

Material:
Zinc alloy/Stainless steel
Finish:
SN/SS/AB/AC/GP/CP



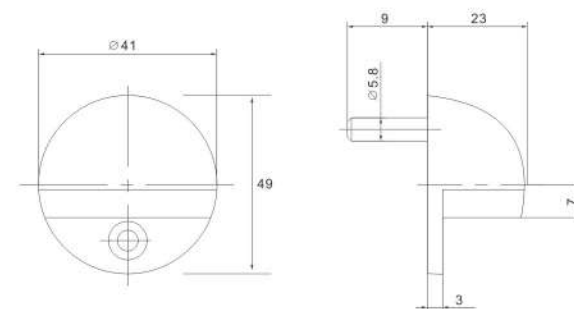
DS.S.3801.SS

Material:
Stainless steel
Finish:
SS/PSS



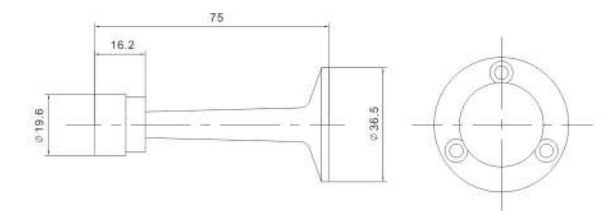
DS.Z.3710.SN

Material:
Zinc alloy
Finish:
SN/AB/AC/GP/CP



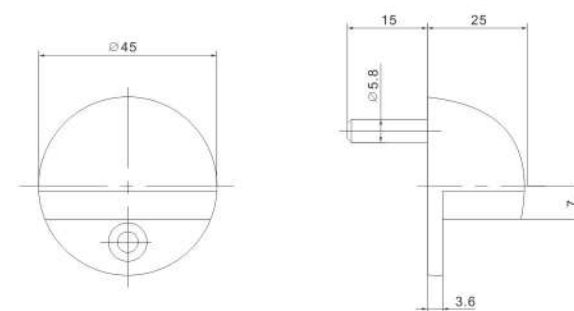
D3705 SN

Material:
Zinc alloy
Finish:
SN/AB/AC/GP/CP



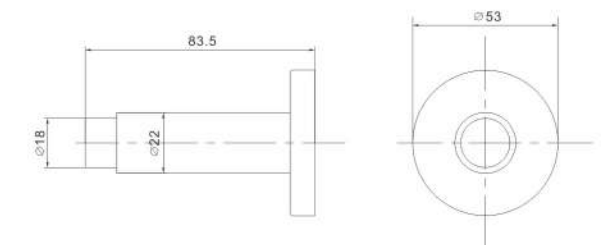
DS.Z.3720.SN

Material:
Zinc alloy
Finish:
SN/AB/AC/GP/CP



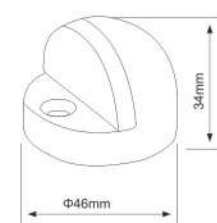
D3817 SS

Material:
Stainless steel
Finish:
SS



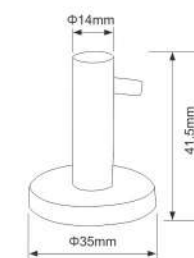
DS.S.3730.SS

Material:
Stainless Steel/Zinc Alloy
Finish:
SS/SN



D.S.3810.SS.HOOK

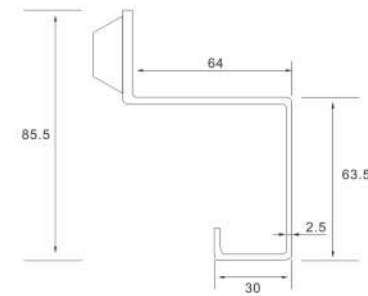
Material:
Stainless Steel
Finish:
SS





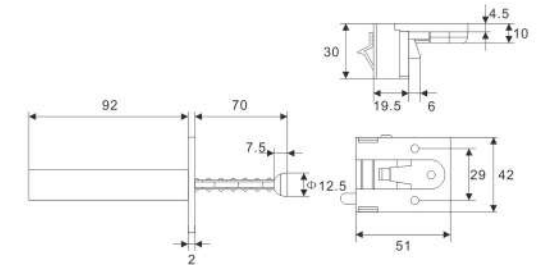
D3820 SS

Material:
Stainless steel
Finish:
SS



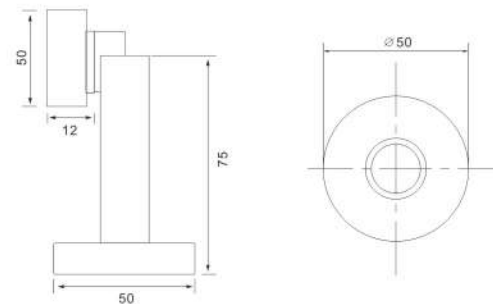
DS.Z.3825.SN

Material:
Zinc alloy/Stainless steel
Finish:
SN/SS



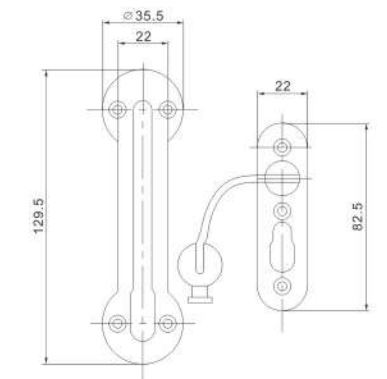
D.Z.3850.SN

Material:
Zinc alloy
Finish:
SN



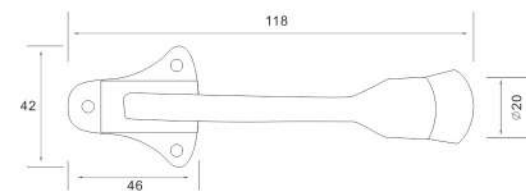
DCH.3805.SN.Z

Material:
Zinc alloy/Stainless steel
Finish:
SN/SS/AB/AC/GP



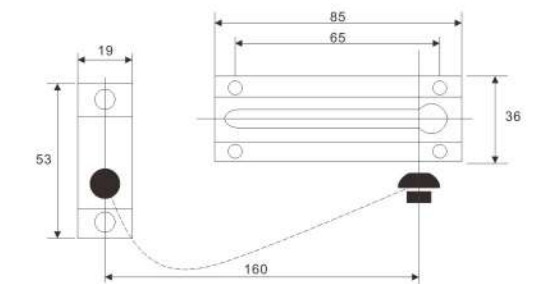
D3852 SC

Material:
Zinc alloy
Finish:
SC/SN/AB/AC



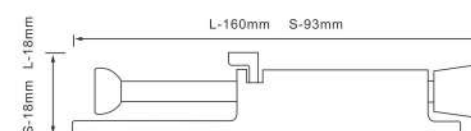
D3816 PB

Material:
Brass/Stainless steel
Finish:
SN/SS/AB/AC/PB



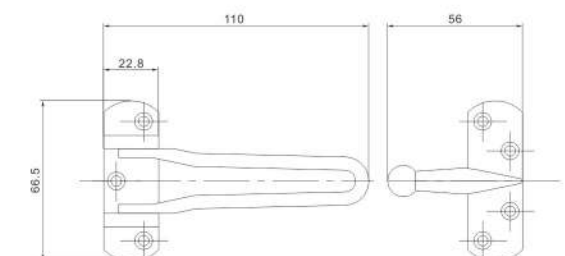
D3853 SN

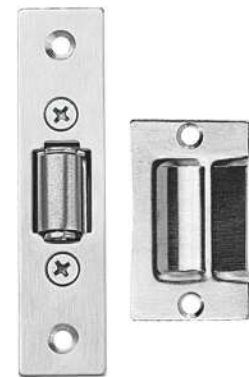
Material:
Zinc alloy
Finish:
SN/AB/AC/GP



DS.Z.3806.SN

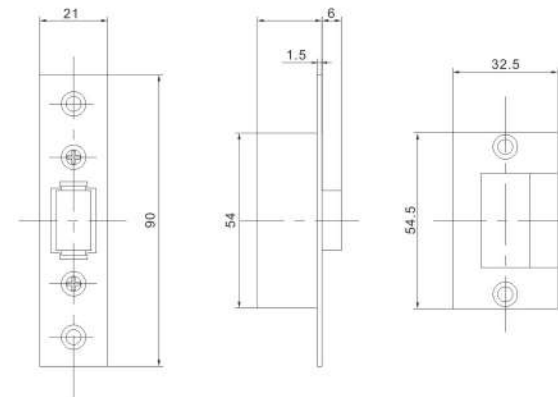
Material:
Zinc alloy/Stainless steel
Finish:
SN/SS/AB/AC/GP





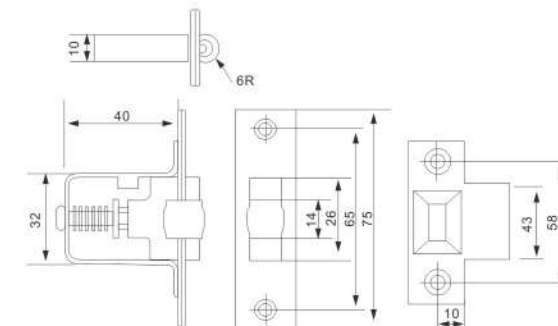
SB-201 SS

Material:
Stainless steel
Finish:
SS



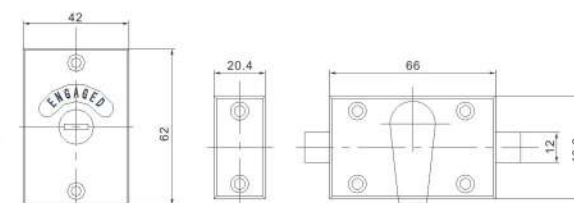
SB-202 SS

Material:
Stainless steel
Finish:
SS



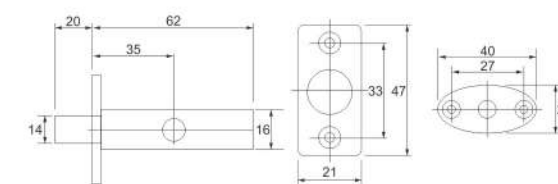
D3707 SN

Material:
Zinc alloy/Stainless steel
Finish:
SN/SS



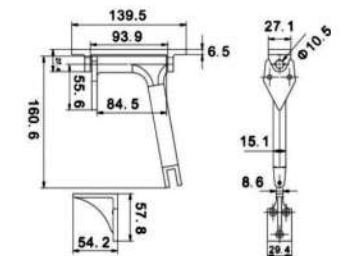
D3737.SS

Material:
Stainless Steel
Finish:
SS



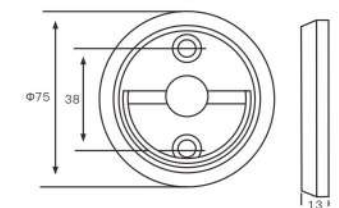
D3740.SS

Scope of application:
double doors, fire doors, access doors
Material:
304 stainless steel casting
Applicable door weight: 40-180KG
(adjustable strength)
Function:used to control the closing
sequence of the master/slave door to
ensure that the active door is closed
after the slave door.
Surface treatment:
sanding, red, green, PVD, etc.



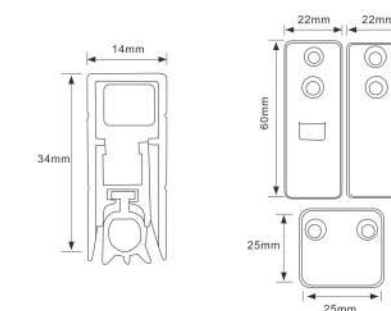
D.7001.SS

Material:
Stainless Steel
Finish:
SS



FC-11.SIL

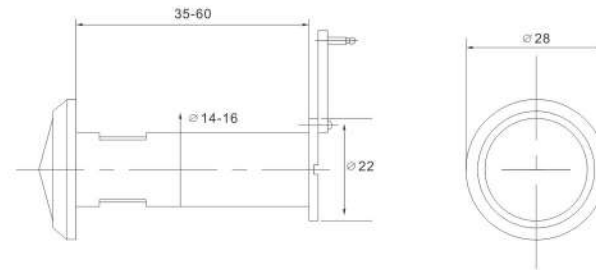
Product:automatic drop down bottom seal U shape
Material:aluminum alloy frame, rubber seal
Color:silver aluminum alloy
Length:930mm, 1030mm, 1200mm,1400mm
Application :for kinds of aluminum alloy doors, wooden doors at home, hospital, school,hotel etc.
Features:It's a type wear resistant, excellently elastic, anti-aging door bottom seal strip
Easy to install, without prejudice to the opening and closing of the door Won't wear out the ground





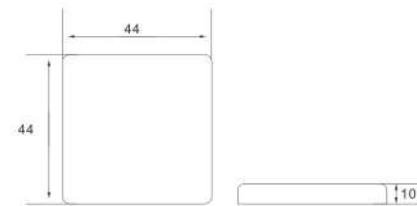
DV.B.05.SC

Material:
Zinc alloy/Brass
Finish:
SC/SN/AB/AC/GP



DS.P.3700.GR

Material:
Rubber with 3M sticker
Finish:
WH/BLK/GR



SPINDLE HX 8*60



SPINDLE 8*8*100



SPINDLE TAIL ROUND
8*32



SPINDLE HALF 8*70



SPINDLE 8*CROSS*100



WS.S.B001.SS



WS.S.HG90.SS



WS.S.B001.SS



WS.S.HK86.SS



WS.S.CH01.SS



WS.S.KN45.SS



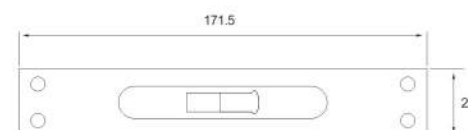
WS.S.FT100.SS



FB.B.038.SC

Material: Brass
Finish: SN/SC

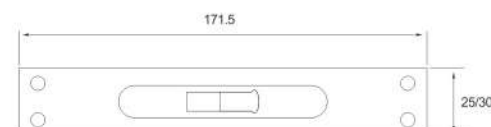
Stainless Steel flush bolt	
Length	171.5
Width	25



FB.S.040.SS

Material : Stainless Steel
Finish: SS

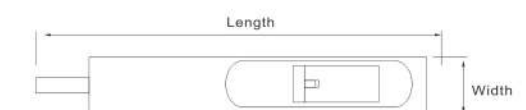
Stainless Steel flush bolt	
Length	171.5 171.5
Width	25 30



FB.Z.8.034.SN

Material: Brass/Zinc alloy
Finish: SN/SC/AB/AC/PB/SB

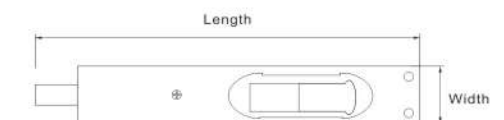
Brass flush bolt	
Length	6" ,8" ,10" ,12"
Width	1"



FB.S.037.SS

Material: Stainless steel
Finish: SS

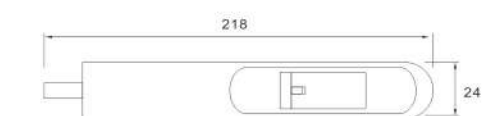
Stainless Steel flush bolt	
Length	6" ,8" ,10" ,12"
Width	1"



FB.Z.8.044.MAB

Material: Zinc alloy
Finish: SN/MAB/AC/GP/CP

Brass flush bolt	
Length	8"
Width	1"



Model:

CL.1023

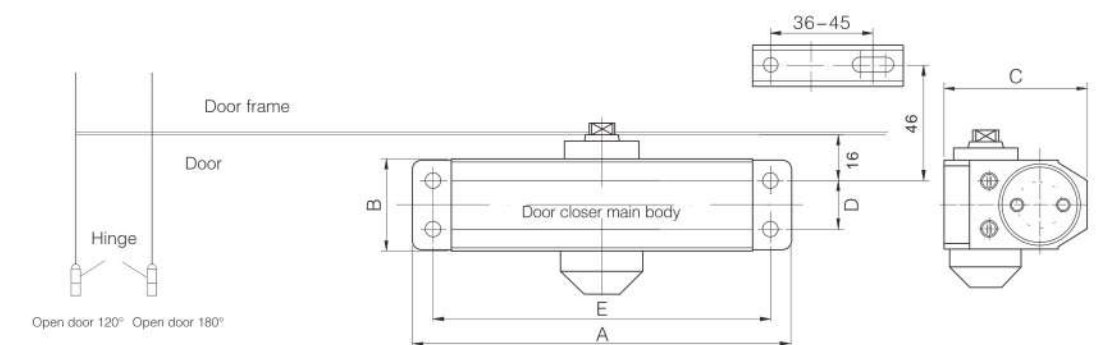
Light Duty Concealed EN3 Door Closers



CE	Historical Lakes Metal Items and Locks Accessories LLC +971502243980, Dubai, U.A.E	20
0905	EN 1154:1996+A1:2002	4 8 3 1 1 3
Dangerous substances: None		

Main parameter

Item	Overall dimension (mm)			Instation dimension (mm)		Applicable door weight (kg)	Applicable door weight (mm)	Function	Please install according to the instruction
	A	B	C	D	E				
CL.1023 AW	180	40	63	19	165	40~65	≤950	Dual-stage speed control	
CL.1023 AD	180	40	63	19	165	40~65	≤950	Dual-stage speed control/stop gate function	



Model:

CL.30

Light Duty Concealed EN3 Door Closers



PERFORMANCE FEATURES

- Light duty concealed overhead closer
- UL228 certification
- UL10C fireproof certification
- Adjustable closing & latching speed
- Precise cast aluminum body
- Anodized aluminum sliding track arm with optional hold open device
- Slim body with 32mm thickness, Non-Handed installation
- Fixed spring force #3



STANDARD FEATURES

Certification	UL
Spring Power	Fixed EN3
Durability	100,000 cycles above
Speed Valves	Adjustable Closing speed Adjustable Latching speed
Back Check	NO
Hold Open	Optional
Delayed Action	NO
Pressure relief valve	Yes
Mechanism	Rack&Pinion
Hand of door	Non handed
Materials of Body	Die-Cast Aluminum
Materials of guide rail and Main Arm	6061, Steel
Materials of Spring	60Si2Mn
Installation type	Concealed with sliding track arm
Type	Embedded
Max. Opening	150 °

Model #	CL.30
Spring power	3#
Recommended Door Weight	40-65 KGS
Recommended Max. Door Leaf Width (mm)	950 mm
Notes	Slide track arm

Bearing	Full complement bearings for long durability
Application	Suitable for interior wood, glass door and frames
Finish	Silver, Brown, White, Black, Others upon request
Warranty	5 Years
Door thickness	Wooden door: 45mm Metal door: 40mm
Body thickness	Slim 32mm

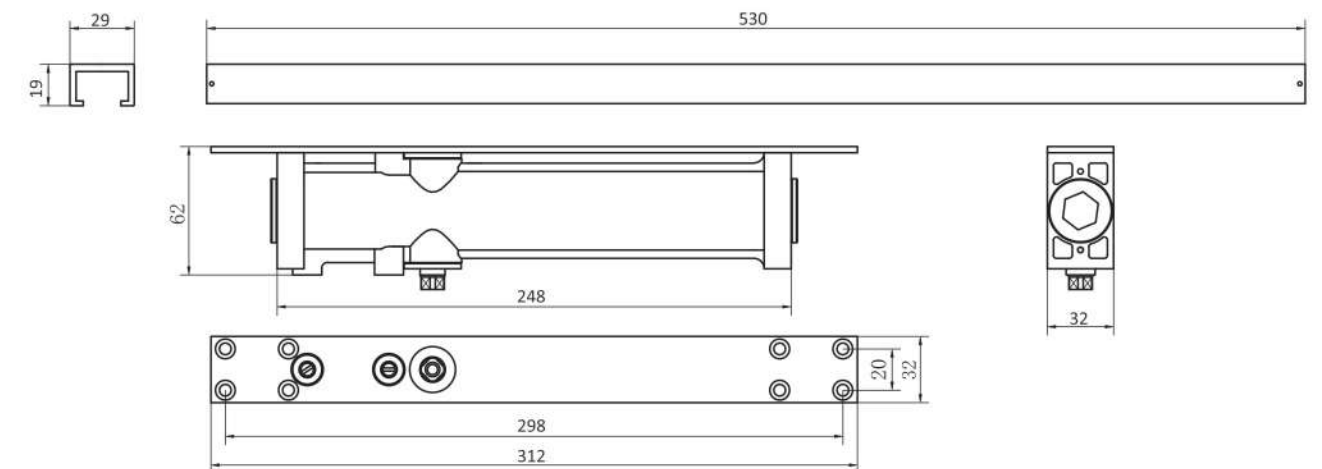
Model:

CL.30

Light Duty Concealed EN3 Door Closers

PRODUCT DIMENSIONS

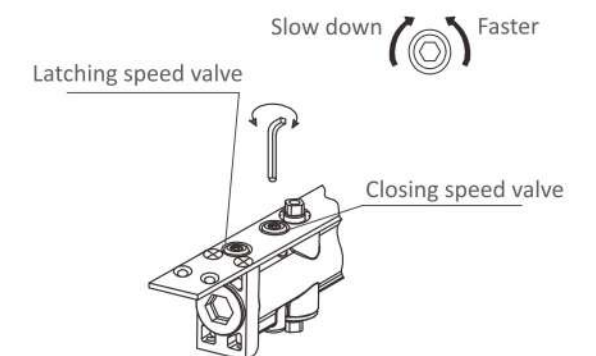
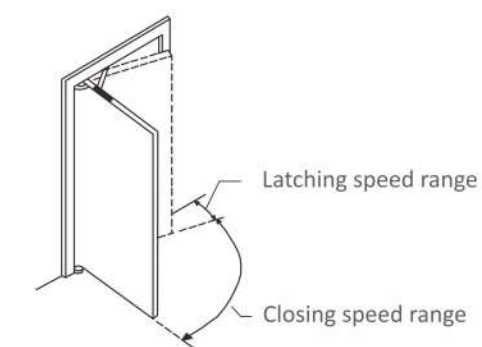
Unit:mm



Note

Installation as per template & installation instruction

 Adjusting speed



Model:

CL.30S

Light Duty Concealed EN3 Door Closers



PERFORMANCE FEATURES

- For commercial use
- Concealed door closer
- UL228 certification
- UL10C fireproof certification
- Fixed spring force #3
- Precise cast aluminum body
- Hold open function optional
- The product complies with the EN1154 standard



STANDARD FEATURES

Certification	UL
Spring Power	Fixed EN3
Durability	100,000 cycles above
Speed Valves	Adjustable Closing speed Adjustable Latching speed
Back Check	NO
Hold Open	Optional
Delayed Action	NO
Pressure relief valve	Yes
Mechanism	Rack&Pinion
Hand of door	Non handed
Materials of Body	Die-Cast Aluminum
Materials of guide rail and Main Arm	6061, Steel
Materials of Spring	60Si2Mn
Installation type	Concealed with sliding track arm
Type	Embedded
Max. Opening	130°
Bearing	Full complement bearings for long durability
Application	Suitable for interior wood, glass door and frames
Finish	Silver, Brown, White, Black, Others upon request
Warranty	5 Years
Door thickness	Wooden door: 45mm Metal door: 40mm



Model #	CL.30S
Spring power	3#
Recommended Door Weight	40-65 KGS
Recommended Max. Door Leaf Width (mm)	950 mm
Notes	Slide track arm

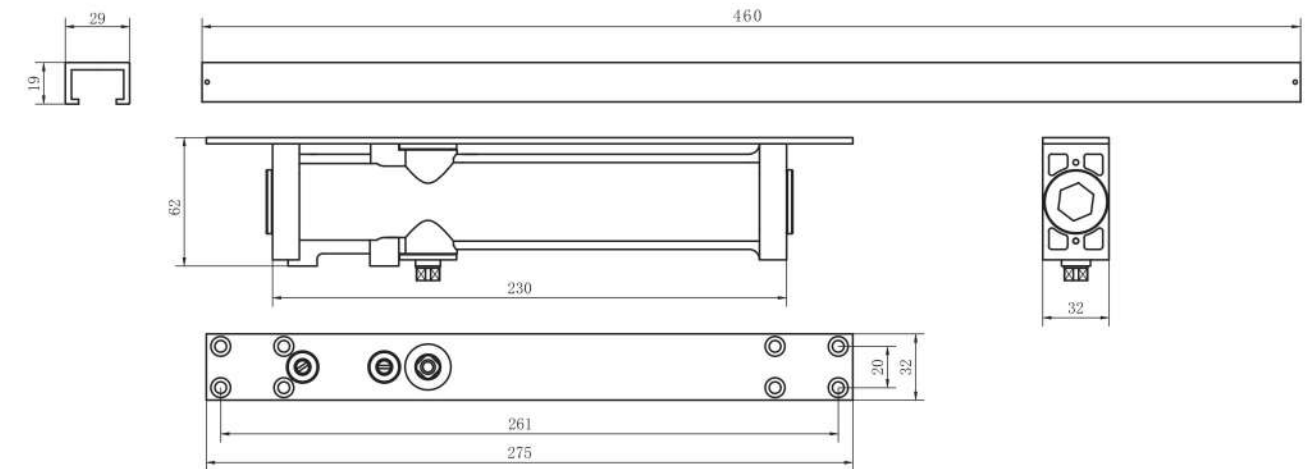
Model:

CL.30S

Light Duty Concealed EN3 Door Closers

PRODUCT DIMENSIONS

Unit:mm



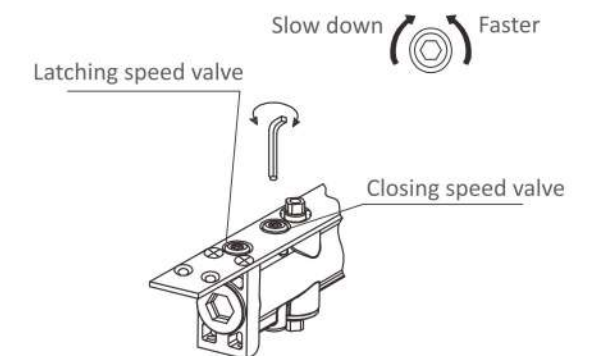
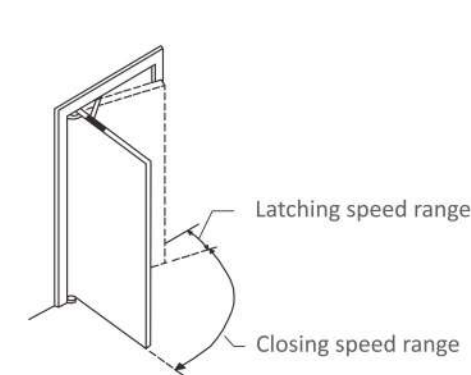
Notes:

- The valves on both sides have been adjusted to the proper location by the factory.
- The two downward valves should be closed down completely (turning to the end clockwise) before your installing the closer inside the door.

Note

Installation as per template & installation instruction

 Adjusting speed



Model:

CL.70&CL.70A CAM ACTION Concealed Size 2-4 Door Closers



PERFORMANCE FEATURES

- For commercial use
- Concealed door closer
- Adjustable spring force #2-4
- Ductile iron shell & Alluminium alloy
- Hold open function optional
- The product complies with the EN1154 standard



**Iron
CL.70**

**Aluminum
CL.70A**

STANDARD FEATURES

Certification	UL
Spring Power	Adjustable Size 2-4
Durability	100,000 cycles above
Speed Valves	Adjustable Closing speed Adjustable Latching speed
Back Check	NO
Hold Open	Optional
Delayed Action	NO
Pressure relief valve	Yes
Mechanism	Cam action
Hand of door	Non handed
Materials of Body	Iron/Aluminum Optional
Materials of guide rail and Main Arm	6061, Steel
Materials of Spring	60Si2Mn
Installation type	Concealed with sliding track arm
Type	Embedded
Max. Opening	120 °
Door thickness	Wooden door:45mm Metal door:40mm



Accessibility



100 Thousand Cycles



5 Years Warranty



UL Certification

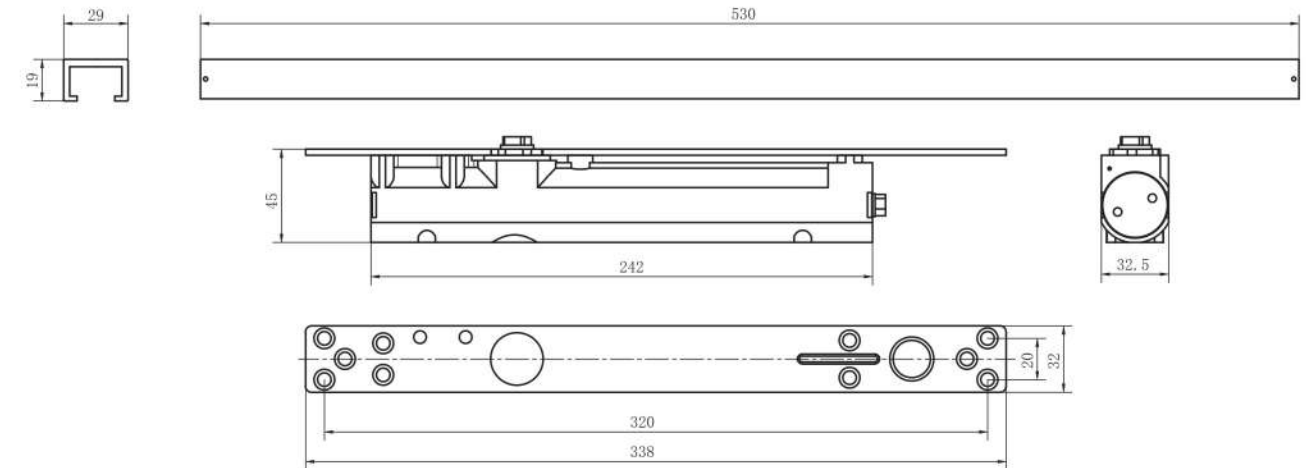


3 Hours Fire-rated

Bearing	Full complement bearings for long durability
Product Description	Efficient cam and roller design
Finish	Silver, Brown, White,Black, Others upon request
Warranty	5 Years
Cross reference	Dorma ITS96 EN2-4 GEZE BOXER EN2-4

PRODUCT DIMENSIONS

Unit:mm

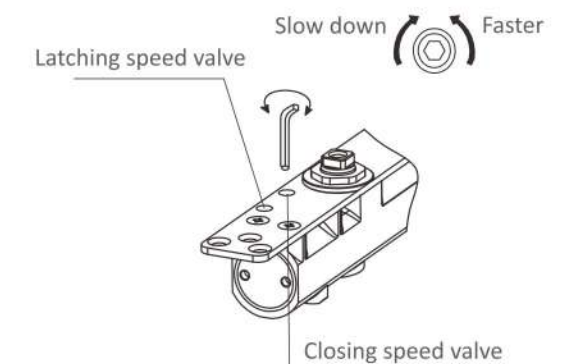
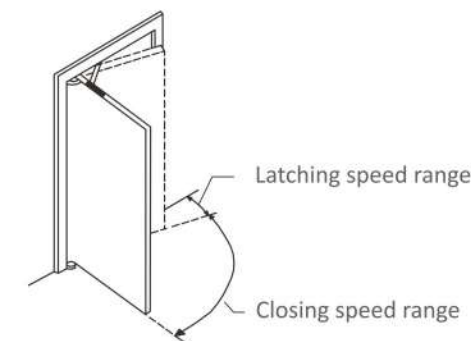


Rapid decrease in opening force makes doors easy to open, yet provides maximum closing force at the latch.
D70&D70A can be installed inside the door,invisible when door is closed.

Note

Installation as per template & installation instruction

 Adjusting speed



Model #	CL.70&CL.70A
Spring power	2-4#
Recommended Door Weight	20-100 KGS
Recommended Max. Door Leaf Width (mm)	850-1100 mm
Notes	Slide track arm

Model:

CL.300S

UL Listed Light Duty Size3 Door Closers



PERFORMANCE FEATURES

- Economical model for residential and commercial Use
- Precise cast aluminum body & steel arm
- Adjustable closing & latching speed
- Non-Handed installation
- Fixed spring force #3
- Hold open function optional



Accessories

PA Bracket



STANDARD FEATURES

Certification	UL
Spring Power	Fixed EN3
Durability	100,000 cycles above
Speed Valves	Adjustable Closing speed Adjustable Latching speed
Back Check	NO
Hold Open	Optional
Delayed Action	NO
Mechanism Type	Rack&Pinion
Hand of door	Non handed
Materials of Body	Die-cast Aluminum
Max Door Width	950mm
Max Door Weight	65KGS
Supplier File Number	R40854
Installation type	Regular,Top Jamb,Parallel
Max. Opening	130 °
Arm Type	Fixed



Accessibility



100 Thousand Cycles



5 Years Warranty



UL Certification



3 Hours Fire-rated

Model #	CL.300S
Spring power	3#
Recommended Door Weight	40-65 KGS
Recommended Max. Door Leaf Width (mm)	950mm
Body Construction	Heat-treated pinion and steel piston
Finish	Silver, Brown, White,Black, Others upon request
Warranty	5 Years

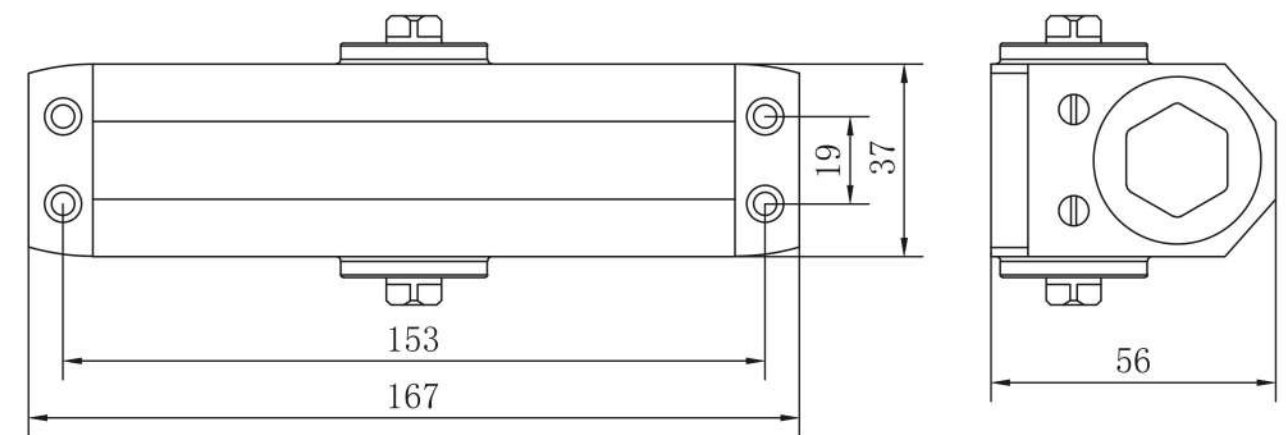
Model:

CL.300S

UL Listed Light Duty Size3 Door Closers

PRODUCT DIMENSIONS

Unit:mm



Recommended for, but not limited to interior doors including:
Aftermarket: Office doors, Utility doors, Storage doors.
Storefront: Retail/Outlet malls, Convenience stores, Warehouse doors.

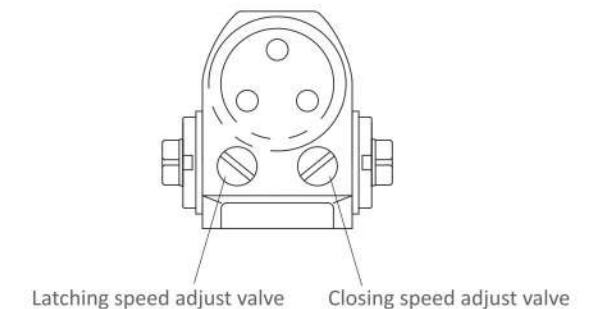
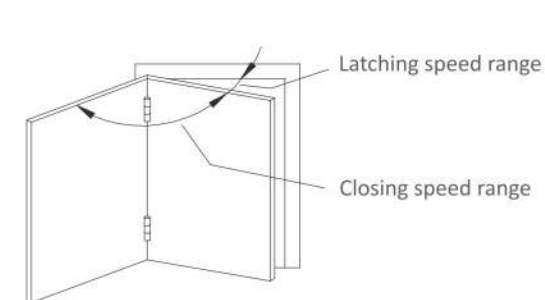
Note

Installation as per template & installation instruction



Adjusting speed

Fast (⊘) Slow



Model:

CL.503

EN3 Overhead Door Closers



PERFORMANCE FEATURES

- Light & medium duty economical model for residential and commercial doors
- Adjustable closing & latching speed
- Max opening angle 180°
- Non-Handed installation
- Durability 500,000 cycles above



Standard Arm

STANDARD FEATURES

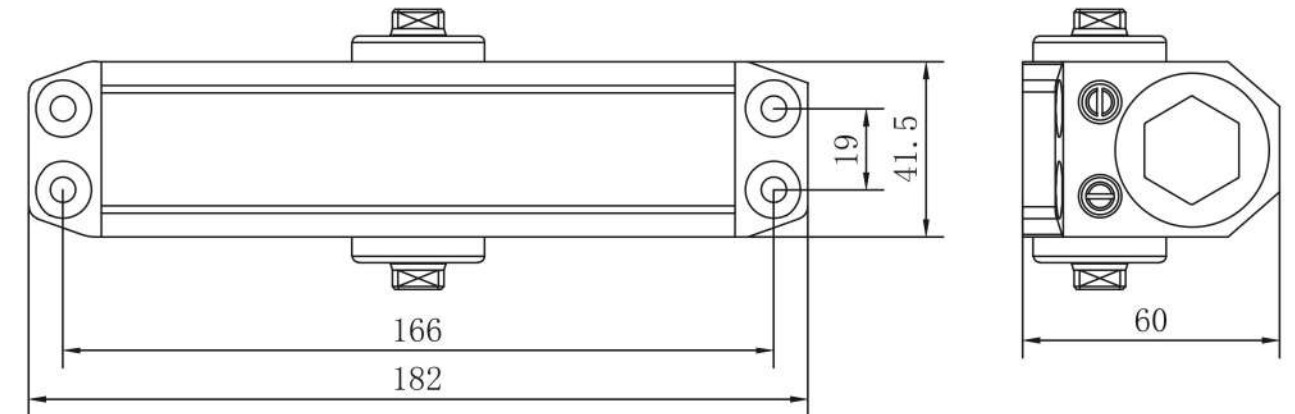
Certification	UL
Spring Power	Fixed EN3
Durability	500,000 cycles above
Speed Valves	Adjustable Closing speed Adjustable Latching speed
Back Check	NO
Hold Open	Optional
Delayed Action	NO
Mechanism Type	Rack&Pinion
Hand of door	Non handed
Materials of Body	Die-cast Aluminum
Installation type	consult P158
Max. Opening	consult P158
Arm Type	Fixed
Power Adjustment Method	By using different templates



Body Construction	Heat-treated pinion and steel piston
Finish	Silver, Brown, White,Black, Others upon request
Cross reference	DORMA TS 77
Warranty	5 Years

PRODUCT DIMENSIONS

Unit:mm

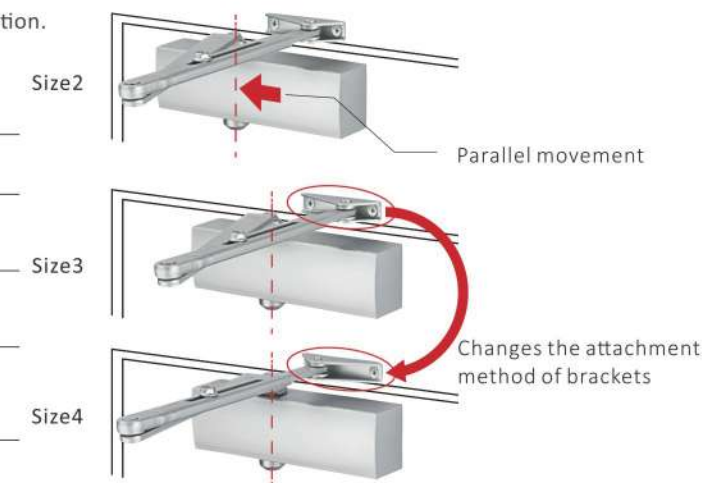


Recommended for, but not limited to interior doors including:
Aftermarket: Office doors, Utility doors, Storage doors.
Storefront: Retail/Outlet malls, Convenience stores, Warehouse doors.

Position variable

Door sizes 2,3,4 are supported with changes to the mounting position.

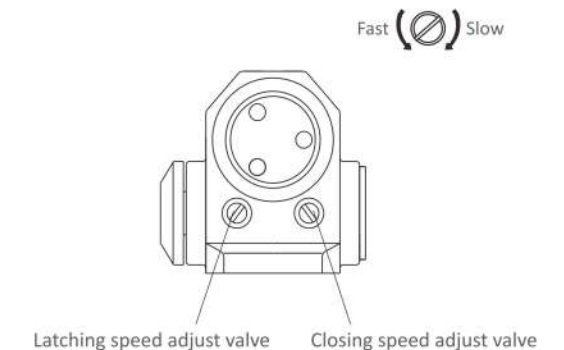
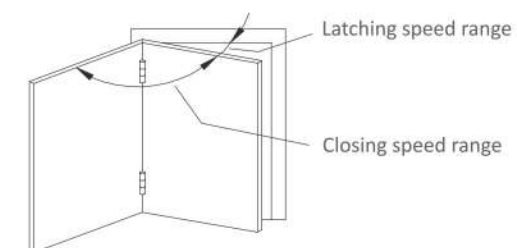
Model:CL.500	Size 2	Size 3	Size 4
Recommended Door Weight	25-45KGS	40-65KGS	60-85KGS
Recommended Max. Door Leaf Width (mm)	850mm	950mm	1100mm
Hold open arm optional	DTWB DT02 DT03	DTWB DT02 DT03	DTWB DT02 DT03



Note

Installation as per template & installation instruction

 Adjusting speed



Model:

CL.703&CL.706

Medium Duty EN3/EN6 Overhead Door Closers



PERFORMANCE FEATURES

- Economical model for residential and commercial doors
- Precise cast aluminum body & steel arm
- Adjustable closing & latching speed
- Non-Handed installation
- Adjustable back check optional
- UL 228 Certification
- UL 10C Certification 3 hours fire rating

STANDARD FEATURES

Certification	UL
Spring Power	Fixed EN3/EN6
Durability	100,000 cycles above
Speed Valves	Adjustable Closing speed Adjustable Latching speed
Back Check	Optional
Hold Open	Optional
Delayed Action	NO
Mechanism Type	Rack&Pinion
Hand of door	Non handed
Materials of Body	Die-cast Aluminum
Max Door Width	1500mm
Max Door Weight	150KGS
Supplier File Number	R40854
Installation type	Regular,Top Jamb,Parallel
Max. Opening	120°
Arm Type	Fixed



Accessories
PA Bracket



Accessibility



100 Thousand Cycles



5 Years Warranty



UL Certification



3 Hours Fire-rated

Model #	CL.703	CL.706
Spring power	3#	6#
Recommended Door Weight	40-65 KGS	100-150 KGS
Recommended Max. Door Leaf Width (mm)	950 mm	1500 mm

Body Construction	Heat-treated pinion and steel piston
Finish	Silver, Brown, White,Black, Others upon request
Warranty	5 Years

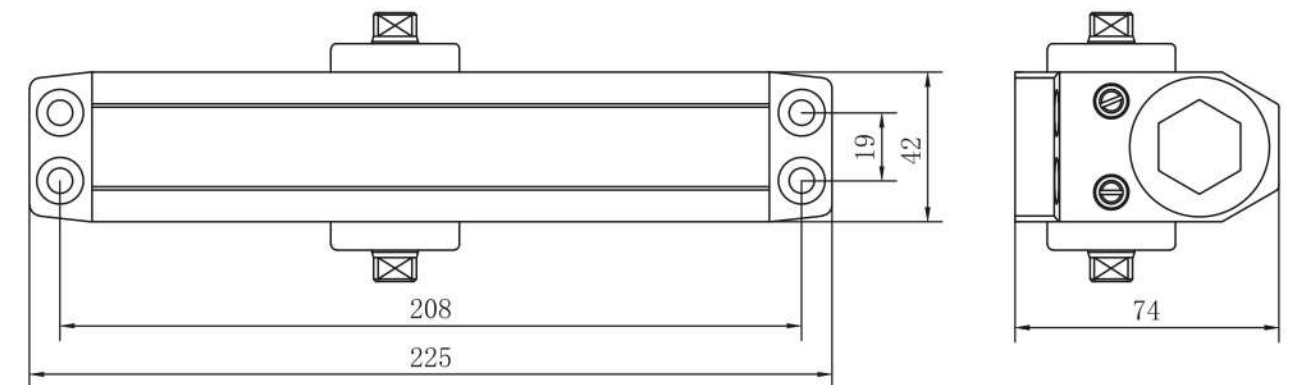
Model:

CL.703&CL.706

Medium Duty EN3/EN6 Overhead Door Closers

PRODUCT DIMENSIONS

Unit:mm

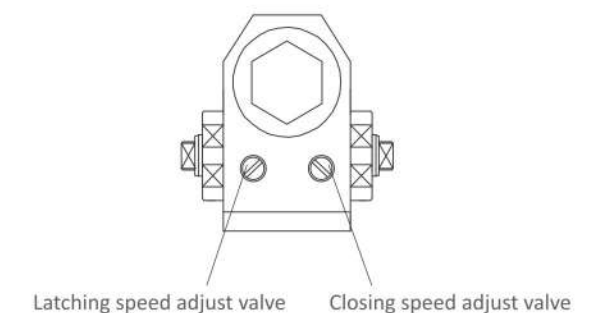
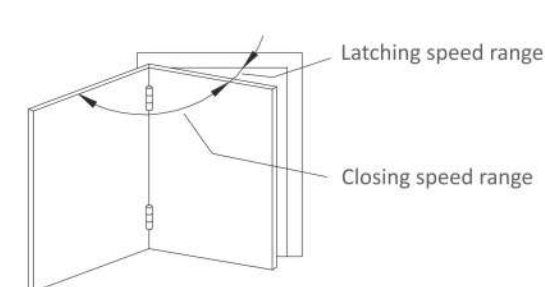


Note

Installation as per template & installation instruction

 Adjusting speed

Fast  Slow



Model:

CL.4000

More Than 2,000,000 Life Cycles



PERFORMANCE FEATURES

- Traditional america style medium & heavy duty closer for commercial doors
- Precise cast aluminum body & forged steel arm,hold open arm optional
- Adjustable closing & latching speed
- Adjustable spring force #1-6, fixed spring force#5,#6
- Non-Handed installation
- Adjustable back check & hold open function optional
- UL10C certification 3 hours fire rating



Cover



STANDARD FEATURES

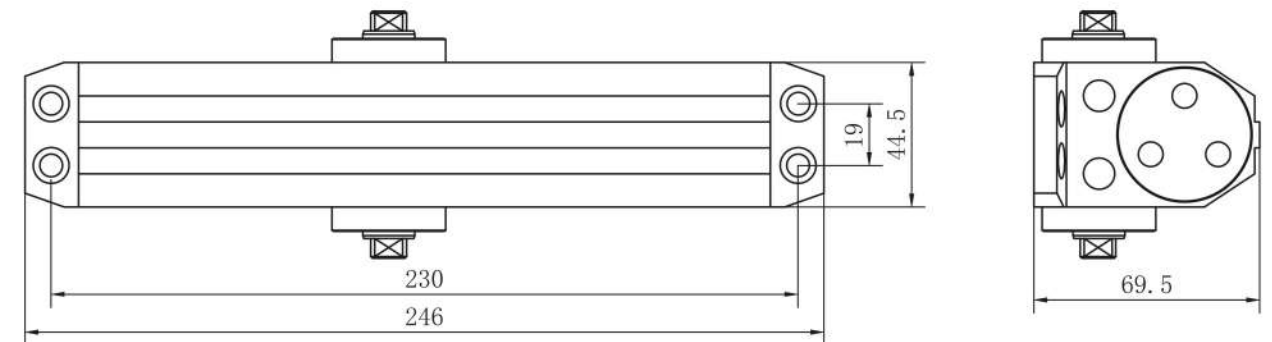
Certification	UL/cUL Listed for up to 3 hours UL10C Positive Pressure Rated
Spring Power	Adjustable spring force #1-6 Fixed spring force#5,#6
Durability	2000,000 cycles above
Valves	Adjustable latching and sweep speed valves Adjustable backcheck valve- Standard Staked valves- Standard
Material	Aluminum Alloy The recommended temperatures for prolonged closer use is between 40° F (-42° C) and 150° F (66° C)
Cover	Full plastic cover- Standard Slim line plastic cover- Optional Full size plated metal cover- Optional
Spring	Double heat treated steel, tempered springs Precision machined, heat treated steel piston
Arms & Brackets	Tri-Pack- Regular, parallel arm, and top jamb mount- Standard 15% power adjustment in standard arm for regular and top jamb mount
Hand of door	Non handed



Optional Arms	Hold Open Arm Extra Heavy Duty Cushion Stop Arm Extra Heavy Duty Hold Open Cushion Stop Arm
Fasteners	Self-reaming,self-tapping wood and machine screws Sex nuts and bolts
Door Thickness	1-3/4" (44 mm) 1-3/8" - 2-1/4" (36 mm- 57 mm)- Optional
Finish	Silver, Brown, White,Black, Others upon request.
Warranty	10 Years
Cross reference	Norton 1600 series, Sargent 1130, Dorma 7400 Series, Yale 50BC series, Arrow 900N series, Stanley D1650

PRODUCT DIMENSIONS

Unit:mm



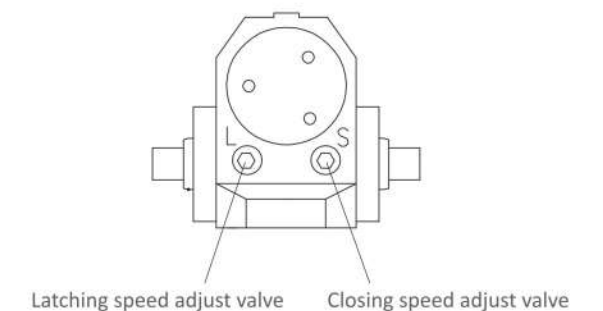
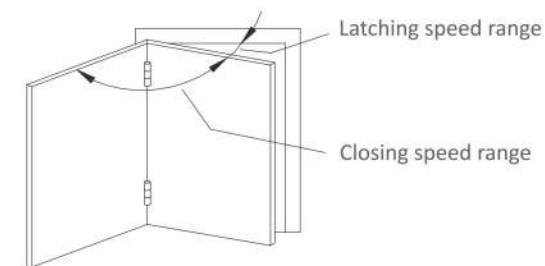
The CL.4000 Series features a single-piece cast aluminum body and a 1-3/8" heat-treated steel piston, a heat-treated pinion and staked valves. The CL.4000 Series standard door closer is UL listed and is backed by a 10-year warranty.

Note

Installation as per template & installation instruction

 Adjusting speed

Fast  Slow



Model #	CL.4000	CL.4005	CL.4006
Spring power	1-6#	5#	6#
Recommended Door Weight	20-150 KGS	120 KGS	150 KGS
Recommended Max. Door Leaf Width (mm)	1500 mm	1200 mm	1500 mm
Notes	Max 330lbs	Max 265lbs	Max 330lbs

Model:

CL.8000

More Than 2,000,000 Life Cycles



PERFORMANCE FEATURES

- Popular america style heavy duty closer for commercial doors
- Precise cast aluminum body & steel arm,hold open arm optional
- Adjustable closing & latching speed
- Adjustable spring force #1-6
- Non-Handed installation
- Adjustable back check,Delayed action & hold open function optional
- UL10C certification 3 hours fire rating



Cover



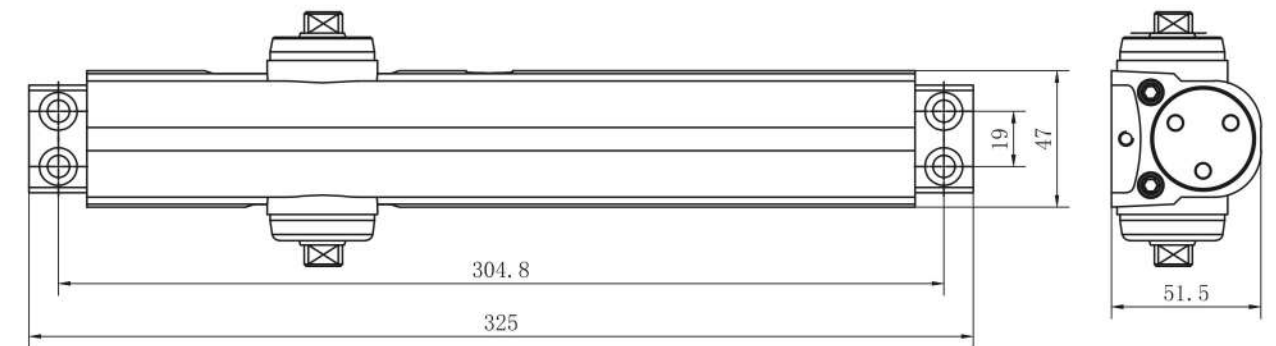
STANDARD FEATURES

Certification	UL/cUL Listed for up to 3 hours UL10C Positive Pressure Rated
Spring Power	Adjustable Size 1-6
Durability	2000,000 cycles above
Valves	Adjustable latching and sweep speed valves Adjustable backcheck valve- Standard Delayed action valve- Optional Staked valves- Standard
Material	Aluminum Alloy The recommended temperatures for prolonged closer use is between 40° F (-42° C) and 150° F (66° C)
Cover	Full plastic cover- Standard Slim line plastic cover- Optional Full size plated metal cover- Optional
Spring	Double heat treated steel, tempered springs Precision machined, heat treated steel piston
Arms & Brackets	Tri-Pack- Regular, parallel arm, and top jamb mount- Standard 15% power adjustment in standard arm for regular and top jamb mount
Hand of door	Non handed

Optional Arms	Hold Open Arm Extra Heavy Duty Cushion Stop Arm Extra Heavy Duty Hold Open Cushion Stop Arm
Fasteners	Self-reaming,self-tapping wood and machine screws Sex nuts and bolts
Door Thickness	1-3/4" (44 mm) 1-3/8" - 2-1/4" (36 mm - 57 mm)- Optional
Finish	Silver, Brown, White,Black, Others upon request.
Warranty	10 Years
Cross reference	Norton 8501,Yale 3301, Corbin-Roswin DC3210, Dorma 8600, Stanley D3551, Arrow 5016N

PRODUCT DIMENSIONS

Unit:mm

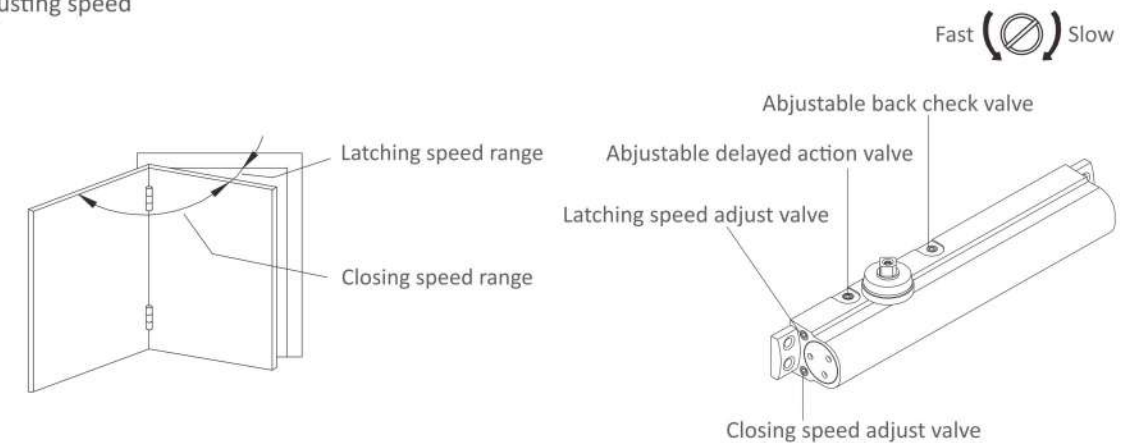


The aesthetically driven design of CL.8000 makes it a top choice for a range of heavy duty applications; aftermarket replacement, aluminum store fronts and new construction.
FITS WHERE YOU NEED IT: The surface mount design and tri pack options, allow you to install this over any high-traffic area while providing complete control.

Note

Installation as per template & installation instruction

 Adjusting speed



Model #	CL.8000
Spring power	1-6#
Recommended Door Weight	20-150 KGS
Recommended Max. Door Leaf Width (mm)	1500 mm
Notes	Max 330lbs

Model:

CL.9000

More Than 2,000,000 Life Cycles



PERFORMANCE FEATURES

- Traditional america style heavy duty closer for commercial doors
- Precise cast iron body & forged steel arm,hold open arm optional
- Adjustable closing & latching speed
- Adjustable spring force #1-6
- Non-Handed installation
- Adjustable back check,Delayed action & hold open function optional
- UL10C certification 3 hours fire rating
- Decorative plastic cover & steel cover optional



Cover



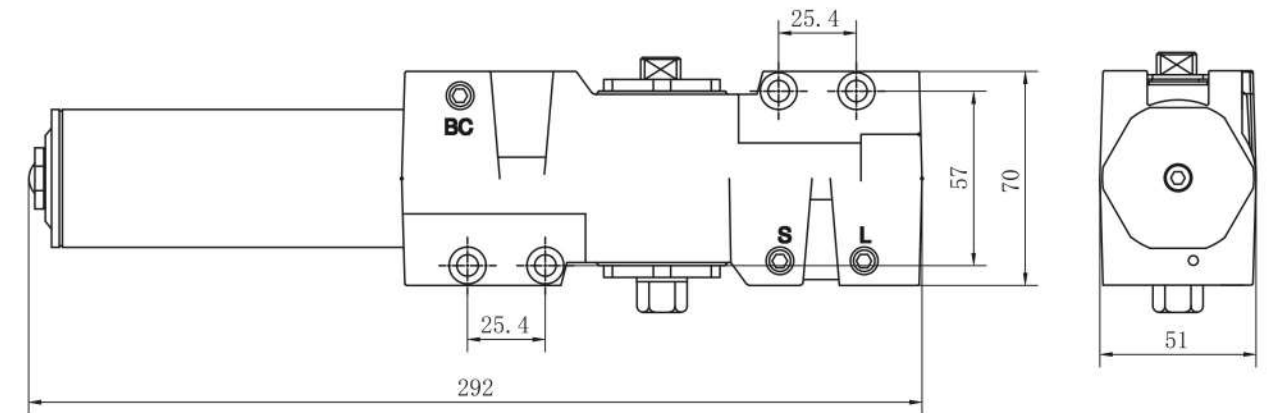
STANDARD FEATURES

Certification	UL/cUL Listed for up to 3 hours UL10C Positive Pressure Rated
Spring Power	Adjustable Size 1-6
Durability	2000,000 cycles above
Valves	Adjustable latching and sweep speed valves Adjustable backcheck valve- Standard Delayed action valve- Optional Staked valves- Standard
Material	Cast Iron The recommended temperatures for prolonged closer use is between 40° F (-42° C) and 150° F (66° C)
Cover	Full plastic cover- Standard Plated metal cover- Optional
Spring	Double heat treated steel, tempered springs Precision machined, heat treated steel piston
Arms & Brackets	Tri-Pack- Regular, parallel arm, and top jamb mount- Standard 15% power adjustment in standard arm for regular and top jamb mount
Hand of door	Non handed
Optional Brackets	Regular Arm Mount- Narrow Top Rail Parallel Arm Mount- Narrow Top Rail

Optional Arms	Hold Open Arm Extra Heavy Duty Cushion Stop Arm Extra Heavy Duty Hold Open Cushion Stop Arm
Fasteners	Self-reaming,self-tapping wood and machine screws Sex nuts and bolts
Door Thickness	1-3/4" (44 mm)-Standard 1-3/8" - 2-1/4" (36 mm- 57 mm)- Optional
Finish	Silver, Brown, White,Black, Others upon request.
Warranty	10 Years
Cross reference	Norton 7500, Dorma 8900, Cal-Royal CR441, Sargent 291, Dor-O-Matic SC70, Corbin Russwin DC3200 and DC6200, Yale 4400

PRODUCT DIMENSIONS

Unit:mm



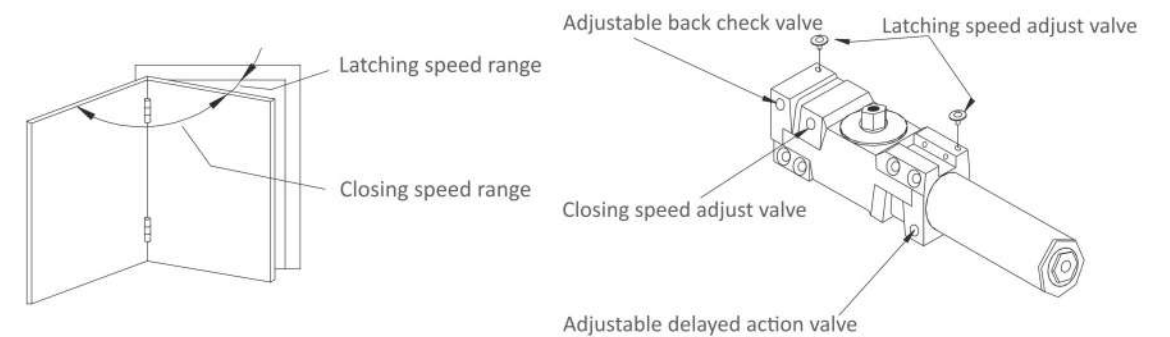
The CL.9000 Series is Dorrenhaus's most durable surface-mounted heavy-duty closer, designed for the most demanding high-use-and-abuse applications. This closer is cUL listed and UL listed for self-closing doors without hold-open and boasts a 10-year limited warranty.

Note

Installation as per template & installation instruction

 Adjusting speed

Fast  Slow



Model #	CL.9000
Spring power	1-6#
Recommended Door Weight	20-150 KGS
Recommended Max. Door Leaf Width (mm)	1500 mm
Notes	Max 330lbs

Model:

CL.20

Light Duty Concealed EN2 Door Closers

PERFORMANCE FEATURES

- Light duty concealed closer
- Designed to meet UL228 standard
- Adjustable closing & latching speed
- Precise cast aluminum body
- Anodized aluminum sliding track arm with optional hold open device
- Slim body with 28mm thickness, Non-Handed installation
- Fixed spring force #2



STANDARD FEATURES

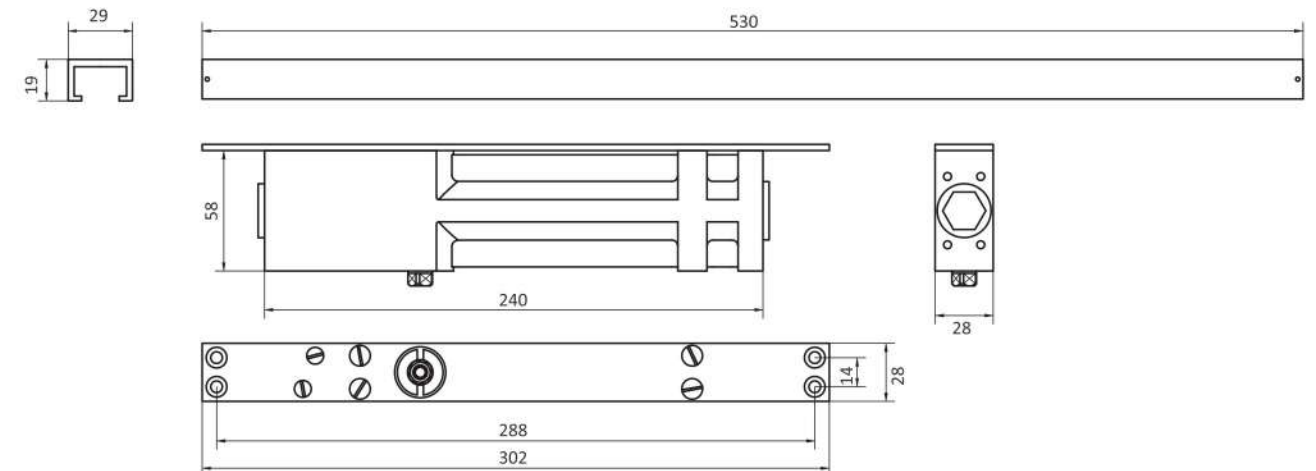
Spring Power	Fixed EN2
Durability	100,000 cycles above
Speed Valves	Adjustable Closing speed Adjustable Latching speed
Back Check	NO
Hold Open	Optional
Delayed Action	NO
Pressure relief valve	Yes
Mechanism	Rack&Pinion
Hand of door	Non handed
Materials of Body	Die-Cast Aluminum
Materials of guide rail and Main Arm	6061, Steel
Materials of Spring	60Si2Mn
Installation type	Concealed with sliding track arm
Type	Embedded
Max. Opening	150 °
Bearing	Full complement bearings for long durability
Application	Suitable for interior wood, glass door and frames
Finish	Silver, Brown, White, Black, Others upon request
Warranty	5 Years
Door thickness	Wooden door: 40mm Metal door: 35mm



Model #	CL.20
Spring power	2#
Recommended Door Weight	25-45KGS
Recommended Max. Door Leaf Width (mm)	850mm
Notes	Slide track arm

PRODUCT DIMENSIONS

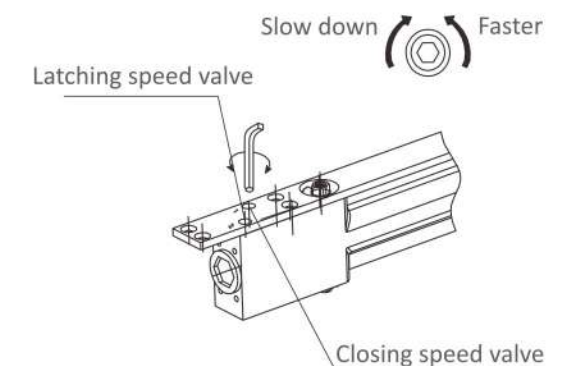
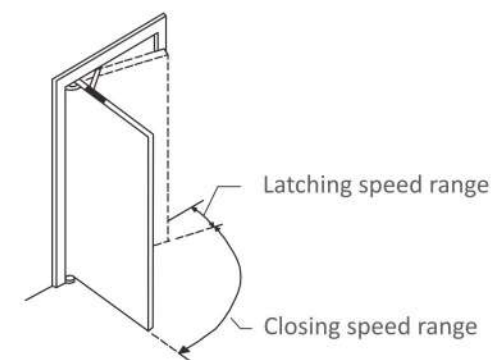
Unit:mm



Note

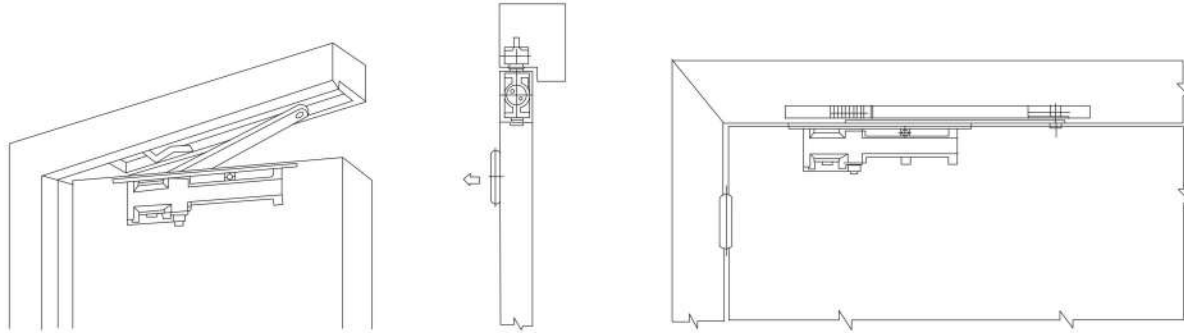
Installation as per template & installation instruction

 Adjusting speed



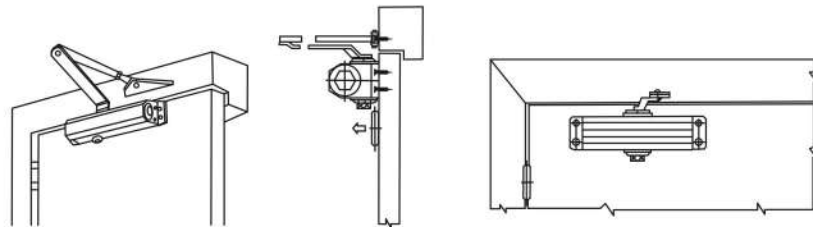
AVAILABLE INSTALLATION TYPE

Standard install

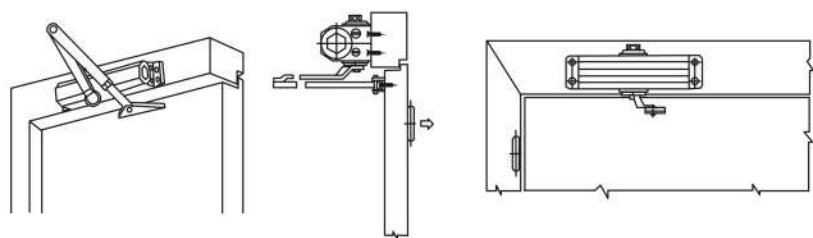


AVAILABLE INSTALLATION TYPE

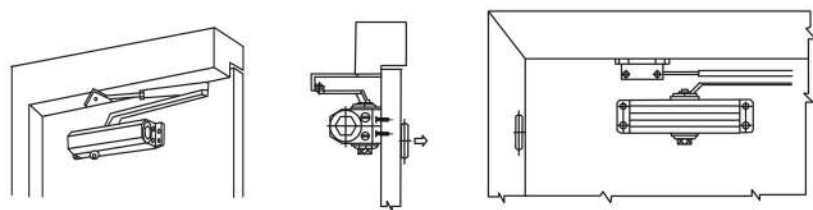
Standard install



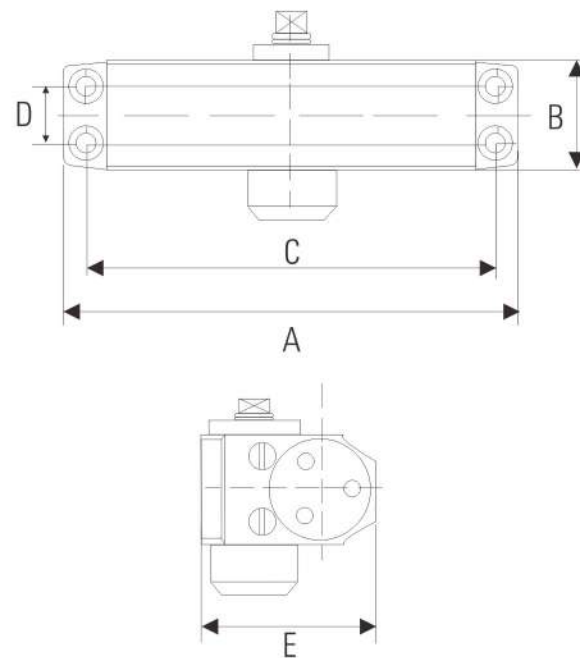
Doorcase insll



Parallel rocking arm pedestal nslall



			
Plastic Cover	SSS Cover	Plastic Cover	SSS Cover
			
Plastic Cover	Plastic Cover	SSS Cover	PA Bracket
			
PA Bracket	PA Bracket	DT-03 HO Arm	DT-02 HO Arm
			
CL.4000.40 Heavy Duty Stop Arm	CL.4000.41 Heavy Duty Hold Open Cushion Stop Arm	S325 Hold Open Arm	CL.9000.42 Heavy Duty Stop Arm
			
DTWB HO Arm	CL.9000.44 Hold Open Arm	CL.9000.41 Heavy Duty Hold Open Cushion Stop Arm	CL.9000.40 Heavy Duty Stop Arm
			
Standard Back Plate	Drop Plate	35A Drop Plate	32A Standard Back Plate



CL.1001-2 AD/SIL

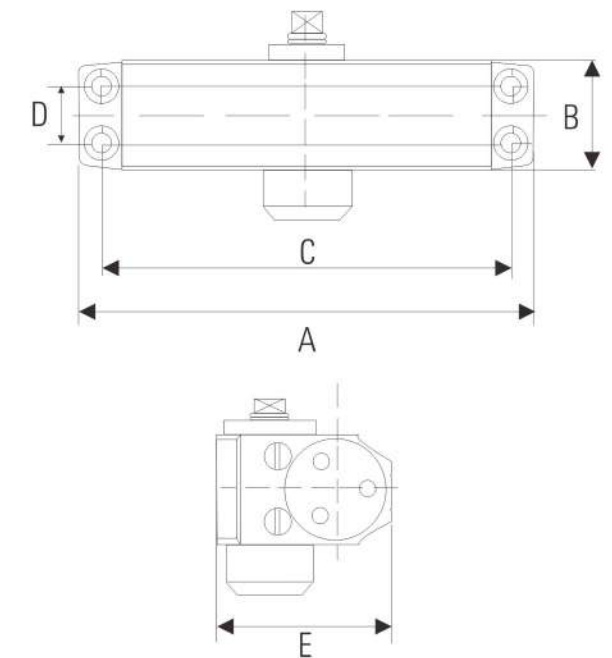
CL.1001 series door closers adopt the alloy aluminium die casting crust body, is provideb with beautiful and lightness appearance, reasonable construction and good performance, belongs to High economical efficiency products. you can install them by vertical or parallel or sliding rail and so on. and the matching cover casing can be chosen. It is preferred products in the fire-resistance and anti-theft door fields. You can choose different luxurious covers according to your decoration.

Introduction for Performance

- Closing speed can be adjusted independently.
- Latching speed can be adjusted independently.
- This series door closers can keep stopping state exceed 85 degree.

Main parameter

Product model	Overall dimension			Mounthole dimension		Applicable door weight
	A	B	E	C	D	
CL.1001-1 AD	180	42	63	165	19	25~45
CL.1001-2 AD	180	42	63	165	19	40~65



CL.1005-4 BW/SIL

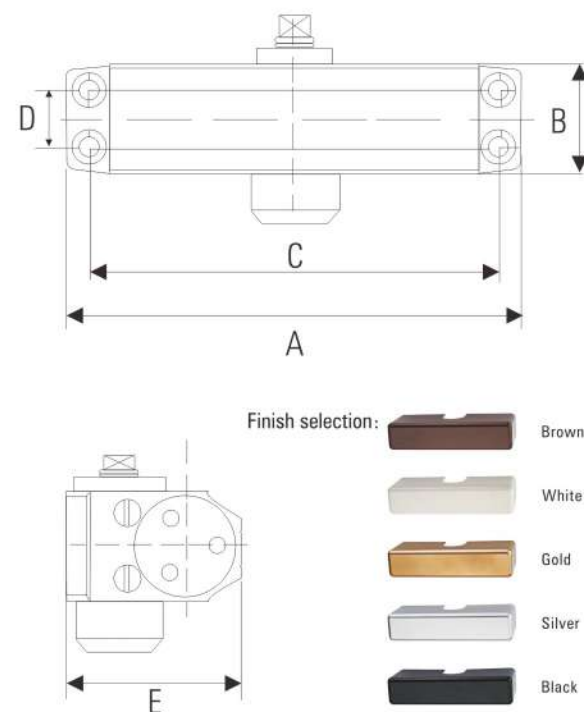
CL.1005 series door closers adopt the alloy aluminium die casting crust body, is provideb with beautiful and lightness appearance, reasonable construction and good performance, belongs to High economical efficiency products. you can install them by vertical or parallel or sliding rail and so on. and the matching cover casing can be chosen. It is preferred products in the fire-resistance and anti-theft door fields. You can choose different luxurious covers according to your decoration.

Introduction for Performance

- Closing speed can be adjusted independently.
- Latching speed can be adjusted independently.
- This series door closers can keep stopping state exceed 85 degree.

Main parameter

Product model	Overall dimension			Mounthole dimension		Applicable door weight
	A	B	E	C	D	
CL.1005-4 BW	248	46	72	230	19	80~120



CL.2001-4 SIL

CL.2001-4 series door closers adopt the alloy aluminium die casting crust body, is provideb with beautiful and lightness appearance, reasonable construction and good performance, belongs to High economical efficiency products. you can install them by vertical or parallel or sliding rail and so on. and the matching cover casing can be chosen. It is preferred products in the fire-resistance and anti-theft door fields. You can choose different luxurious covers according to your decoration.

Introduction for Performance

- Closing speed can be adjusted independently.
- Latching speed can be adjusted independently.
- This series door closers can keep stopping state exceed 85 degree.

Main parameter

Product model	Overall dimension			Mounthole dimension		Applicable door weight
	A	B	E	C	D	
CL.2001-4	203	43	67	188	19	65~85

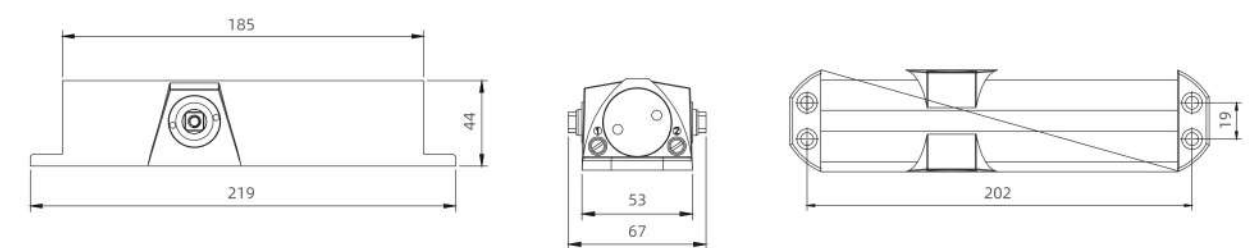


CL.3001-4 SIL

Technical Parameter

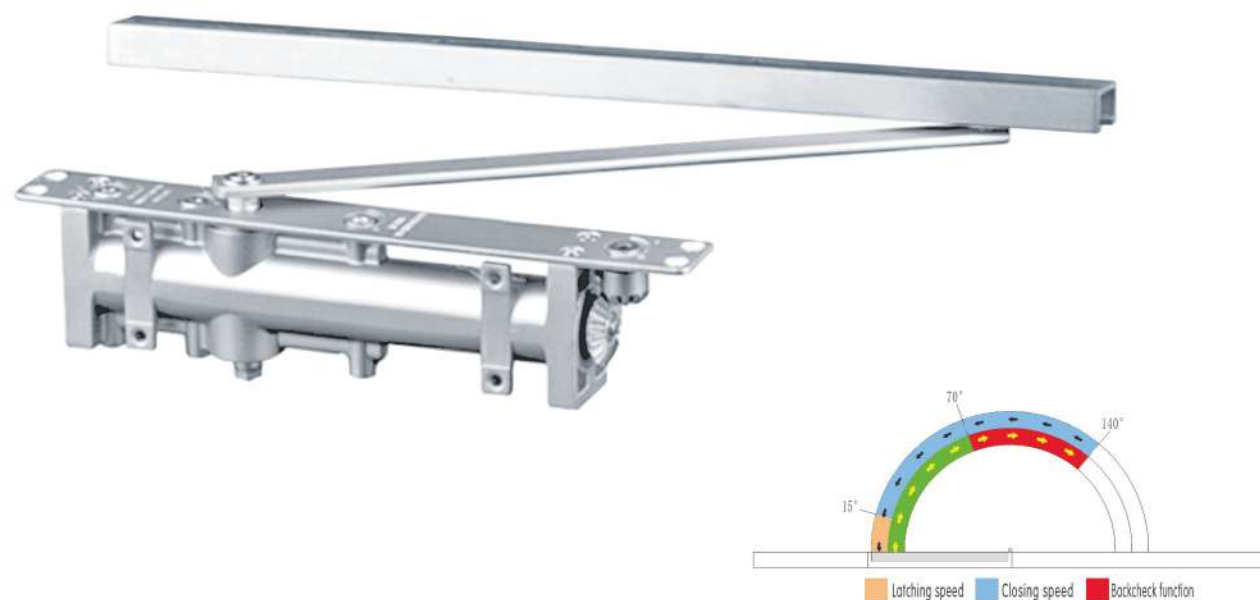
Door weight	Power size	Door width	Product Size	Hole distance	Back check	Hold Open	Non-hold open	Life cycles
30-80kgs	EN 4	950mm	219×53×44	202×19mm	No	No	Yes	300000

Product size



Introduction for Performance

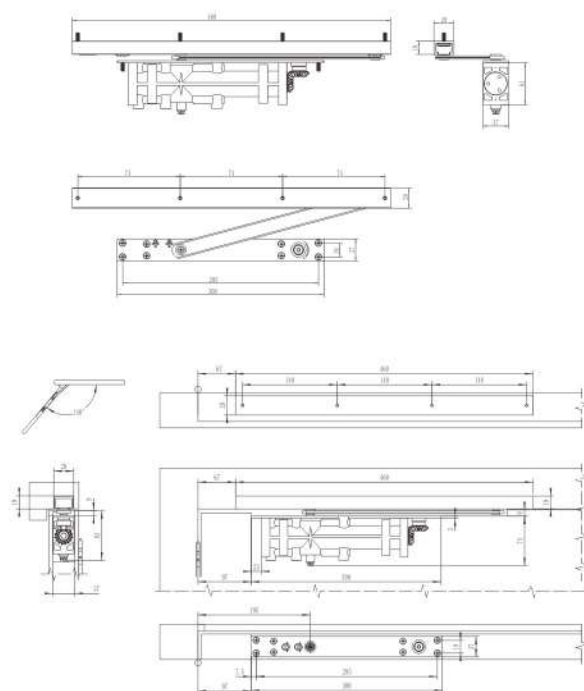
- Closing speed can be adjusted independently.
- Latching speed can be adjusted independently.
- Slide rail has hold open door device and the angle of hold open door can be adjustable anywhere.



CL.120 SIL
CONCEALED DOOR CLOSER

Main functions & dimensions

Power Size (EN)	EN2-5	
Power size adjustable	●	
Body material	Aluminium	
Maximum door width (mm)	1500	
Maximum door weight (Kg)	120	
Installation method	Concealed	
Closing speed	●	
Latching speed	●	
Maximum opening angle	140°	
Backcheck function	○	
Delay function		
Suitable for the fire-resistant and smoke control doors	F	
Hold open function	●	
Body dimension	Length (mm)	230
	Width (mm)	37
	Height (mm)	81



CL.2022 BLK



CL.2022 SIL



CL.2022 GP

Function:

- Easy to Install
- Adjustable Screws For Slow or Fast Closing
- Quality Zinc Alloy Shell Automatic Door closer
- Enjoy automatic closing and latching, maintaining quiet and security
- Door Closer Fits Right Or Left Swing Doors

Installation steps:

1. please install the door closer at exact position
2. Adjust the pressure to your need by tommy bar/tem Type: Spring Door Closer

Color: black

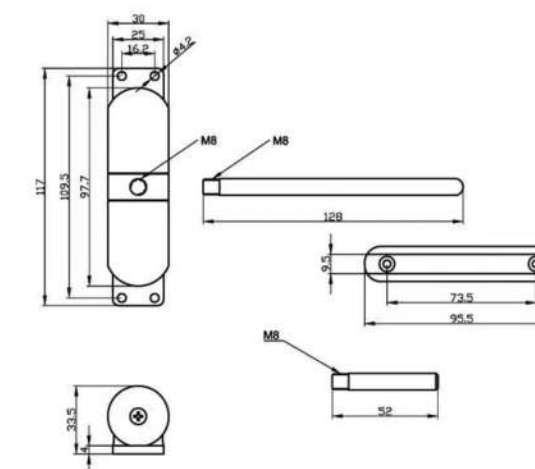
Material: Zinc Alloy

Weight: 380g /set

Usage: family door, door, hotel guest room door, wooden door

Bear weight: 20-70 KG

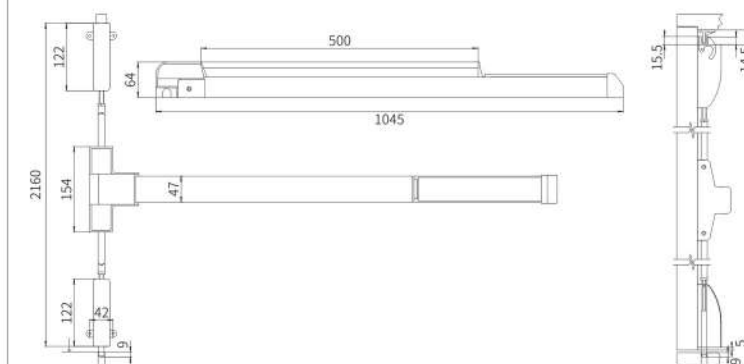
The door width: 1 m



TOUCH BAR ECONOMICAL VERTICAL TYPE PB.1520 SERIES



PB.1520S



FEATURE

Econimcal
Vertical Narrow Type
Touch Bar Length:500mm
Body Length:1045mm, Can be cutting to min 650mm
Upper&Lower tube:900mm
Max Door Height:2160mm
Chinese domestic fire rated 1.5H.
Silver powder painting, Color Optional
Work With Outside Trim Lock and Cylinder On P183

SPECIFICATION

Model	PB.1520P	PB.1520S
Material	Alu Cover, metal bar	Sus304 Cover, Sus304 Bar
Upper and Lower body	Metal	Nickel Metal
Upper bolt	Zinc Alloy	Zinc Alloy
End Cap	Plastic Standard, Metal Optional	Sus304
Upper Striker	Zinc Alloy	Zinc Alloy

ACCESSORIES



ACCESSORIES

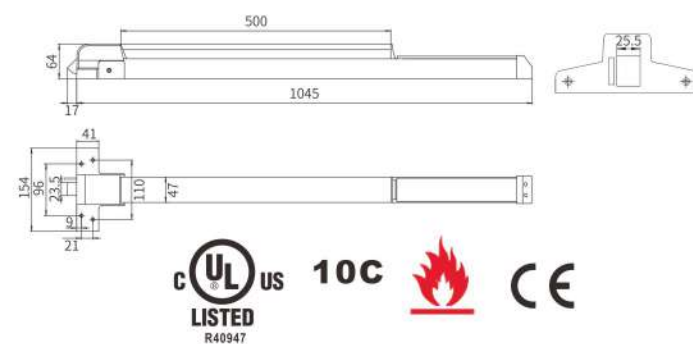


TOUCH BAR FIRE RATED RIM TYPE PB.1710 SERIES



PB.1710P

PB.1710S



FEATURE

Rim Narrow Type
Security Latch bolt
Touch Bar Length:500mm
Body Length:1045mm, Can cutting to min 650mm
EN1125, 196min Fire Rated, CE Certification
UL10C 3HOURS FIRE RATED
UL NO:R40947
Silver powder painting, Color Optional
Work With Outside Trim Lock and Cylinder On P183



SPECIFICATION

Model	PB.1710P	PB.1710S
Material	Alu Cover, metal bar	Sus304 Cover, Sus304 Bar
Bolt	Sus304	Sus304
End Cap	Metal	Sus304
Striker	Sus304	Sus304

OPTIONAL FULL TOUCH BAR

ACCESSORIES



PB.1710S Sus304 End Cap

PB.1710P Metal End Cap

PB.1710 Screws

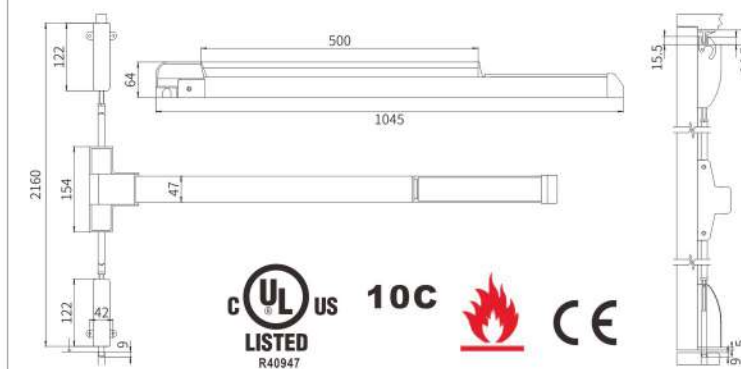
PB.1710 Sus304 Striker

TOUCH BAR FIRE RATED VERTICAL TYPE PB.1720 SERIES



PB.1720P

PB.1720S



FEATURE

Vertical Narrow Type
Touch Bar Length:500mm
Body Length:1045mm, Can be cutting to min 650mm
Upper&Lower tube:900mm
Max Door Height:2160mm
EN1125, 132min Fire Rated, CE Certification
UL10C 3HOURS FIRE RATED
UL NO:R40947
Silver powder painting, Color Optional
Work With Outside Trim Lock and Cylinder On P183



SPECIFICATION

Model	PB.1720P	PB.1720S
Material	Alu Cover, metal bar	Sus304 Cover, Sus304 Bar
Upper and Lower body	Metal	Nickel Metal
Upper bolt	Sus304	Sus304
End Cap	Metal	Sus304
Upper Striker	Sus304	Sus304

OPTIONAL FULL TOUCH BAR

ACCESSORIES



PB.1720S Sus304 End Cap

PB.1720 Sus304 Striker

PB.1720 Screws

PB.1720P Metal End Cap

PB.1720 Sus304 Upper Striker

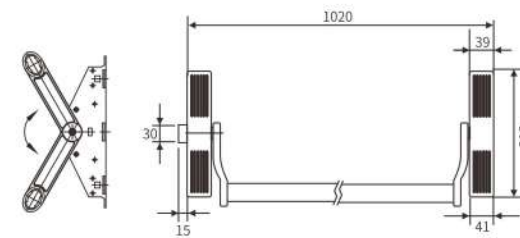
CROSS BAR RIM TYPE PB.1310



PB.1310

FEATURE

1. One point lock
2. Material: Zinc Alloy
3. No Handed
4. Horizontal bar standard :900mm
5. Color: Painted optional
6. Door width: Max for 1020mm



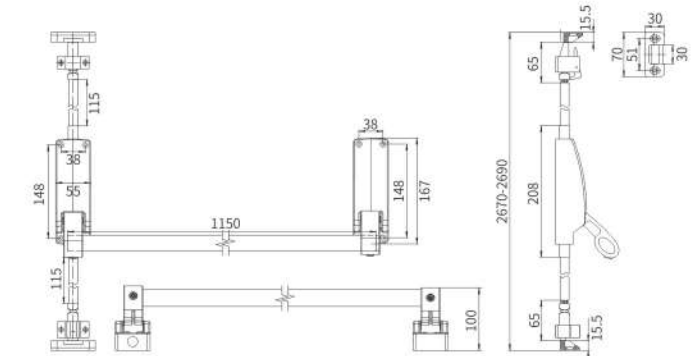
CROSS BAR VERTICAL TYPE PB.1120



PB.1120

PB.112P

- Material: Alu body, Iron tube
No handed
Finish: Spray Grey
Tube Length: 1150mm
Upper and Lower tube Length: 1150mm
Max door height: 2600mm
Vertical type, two points lock
Popular on UK, India market.
Fixed with PB.011LE outside trim lock



CROSS BAR RIM TYPE PB. 3010

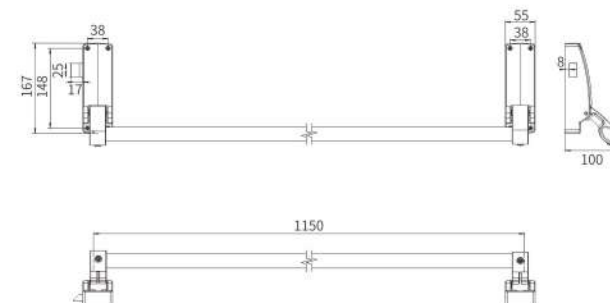


PB.1110

- Material: Alu body, Iron tube
Finish: Spray Grey
Tube Length: 1150mm
Bolt: Iron
Description: European type, popular on UK, India market.
Work with PB.011LE and PB.011KE outside trim lock



CROSS PAD PB.111P

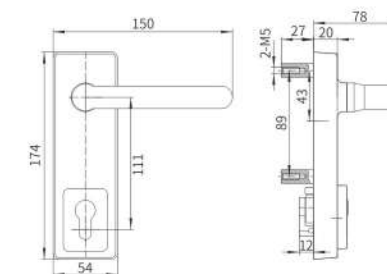


OUTSIDE TRIM LOCK FOR PB.1100 SERIES

PB.011LE LEVER TRIM LOCK



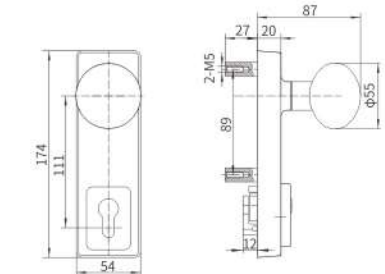
- Material: Zinc body, Alu Lever
Cylinder: Brass half-cylinder
Key: 3 brass keys
Finish: Spray Grey
Work with cross bar panic exit device PB.1110 & 1120



PB.011KE KNOB TRIM LOCK



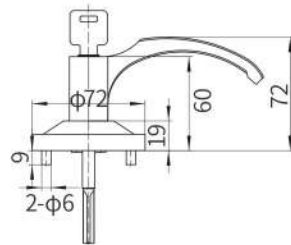
- Material: Zinc body, Alu Knob
Cylinder: Brass half-cylinder
Key: 3 brass keys
Finish: Spray Grey
Work with cross bar panic exit device PB.1110





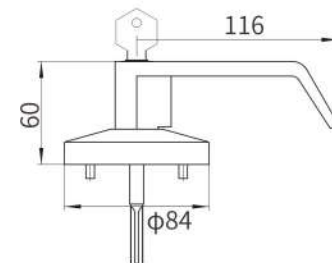
PB.L.7000

Zinc Alloy
Three Computer Brass keys
Brass Cylinder
Finish: SN
Round Panel: 68mm
Max Door Thickness: 55mm
Plate: Square



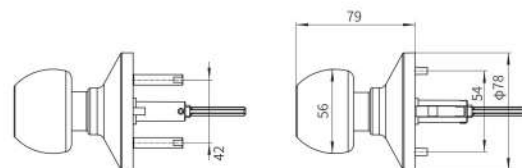
PB.L.8000

StainLess Steel 304 / Zinc Alloy
Three Brass keys
Finish: SS/MSC
Round Panel: 84mm
Max Door Thickness: 55mm
Plate: Round



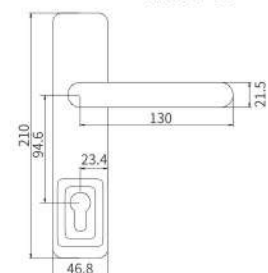
PB.L.5000

StainLess Steel 304
Three SC Brass Keys
SC Brass Cylinder
Finish: SS
Knob Set
Max Door Thickness: 55mm
Clutch Function
Entry Knob



PB.L.9000

Sus 304 body
Sus304 Lever
Cylinder Size: 40mm
Brass Cylinder
Three Brass Keys
Max Door Thickness: 75mm
Finish: SS



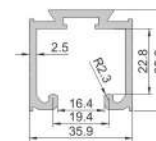
YMG.003

Product Features:

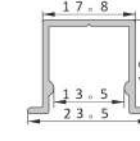
The use of hydraulic dampers Double-side cushioning effect is good; concave wheel anti-swing, automatic dust removal, easy to push and pull; quick-disassembly structure, fast and easy repair.

Technical Summary:

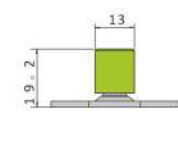
Main Material: Deep groove ball bearing, Zinc (aluminum) alloy, Steel
Finish: Pearl Chrome
Types of: Wood door
Weight Capacity: 80kg S/Door
Packing: Paper Box Packed, 20 Sets/Cartron



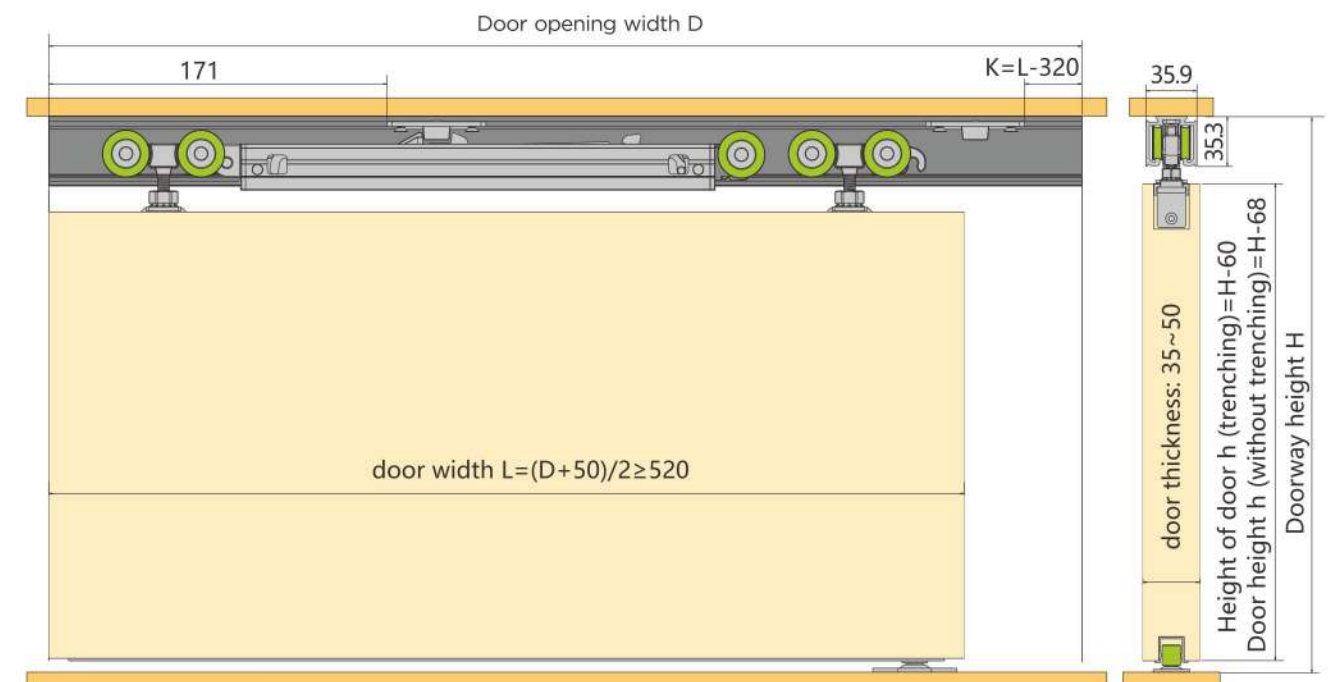
Sling rail
(H-042)



Bottom rail
(H-016)



Bottom rail
(D-X05)



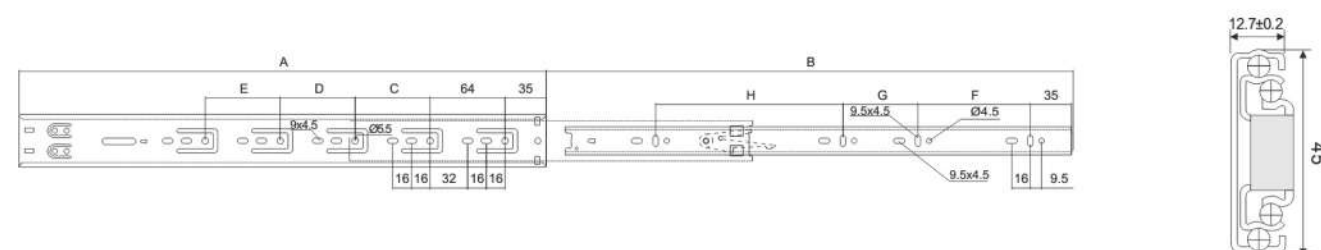


TX.451202.RT

Width: 45mm
Material: cold-rolled steel
Length: 300-600mm (12"-24")
Thickness: 12.7±0.2mm
Maximum load: 30kg- 45kg
The installed forms: drawer side
Surface treatment: electrophoresis black, electro-galvanized
Soope: Cabinet/Home furniture/Office furniture/Decoration project etc

Thickness Range .

NO	Material thickness
1	1.1x1.2x1.4mm
2	1.0x1.0x1.2mm



SIZE	A	B	C	D	E	F	G	H
LS4502-300	300	290				96	120	
LS4502-350	350	350	64			128	128	
LS4502-400	400	400	96			128	160	
LS4502-450	450	450	96	64		96	64	160
LS4502-500	500	500	96	96		128	64	192
LS4502-550	550	550	96	196	64	160	64	224
LS4502-600	600	600	96	196	96	160	64	256

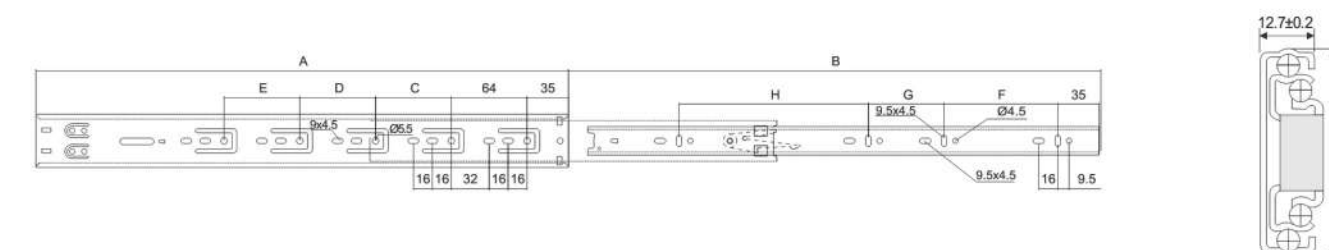


TX.451201.BF

Width: 45mm
Material: cold-rolled steel
Length: 300-600mm (12"-24")
Thickness: 12.7±0.2mm
Maximum load: 30kg- 45kg
The installed forms: drawer side
Surface treatment: electrophoresis black, electro-galvanized
Soope: Cabinet/Home furniture/Office furniture/Decoration project etc

Thickness Range .

NO	Material thickness
1	1.1x1.2x1.4mm
2	1.0x1.0x1.2mm



SIZE	A	B	C	D	E	F	G	H
LS4502-300	300	290				96	120	
LS4502-350	350	350	64			128	128	
LS4502-400	400	400	96			128	160	
LS4502-450	450	450	96	64		96	64	160
LS4502-500	500	500	96	96		128	64	192
LS4502-550	550	550	96	196	64	160	64	224
LS4502-600	600	600	96	196	96	160	64	256



HG.F.T002.A



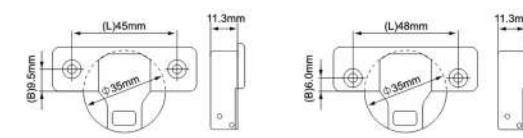
HG.F.T002.B



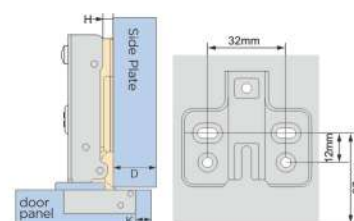
HG.F.T002.C



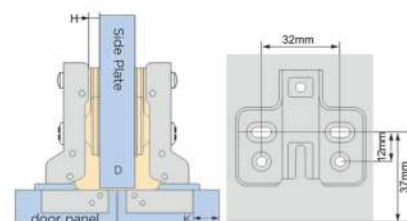
Diameter of hinge cup: 35mm
Material: cold-rolled steel
Hole distance of hinge cup: 48mm/45mm
Depth of hinge cup: 11.3mm
Opening angle: 100-110°
Finish: electrolysis
Door thickness: 14-18mm



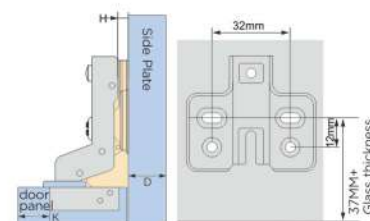
H=Height of mounting plate
K=Drilling distance from the edge of door to edge of the hole
D=Required door overlay
A=Gap between door and side panel
L=Gap between door and carcass
T=Door thickness



D	K	3	4	5	6	7
H=0		16	17	18	19	20
H=3		13	14	15	16	17



D	K	3	4	5	6	7
H=0		7	8	9	10	11
H=3		4	5	6	7	8

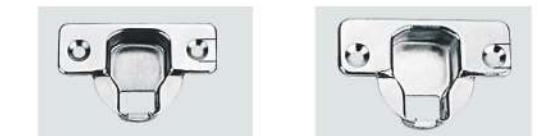
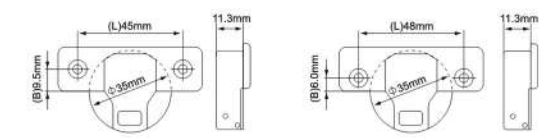


D	K	3	4	5	6	7
H=0		-2.5	-1.5	-0.5	0.5	1.5
H=3						

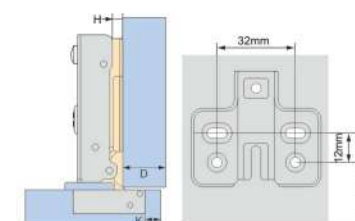


HG.F.T003.A

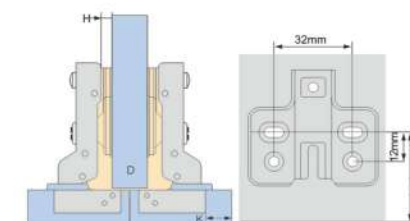
Diameter of hinge cup: 35mm
Material: cold-rolled steel
Hole distance of hinge cup: 48mm/45mm
Depth of hinge cup: 11.3mm
Opening angle: 100-110°
Finish: electrolysis
Door thickness: 14-18mm



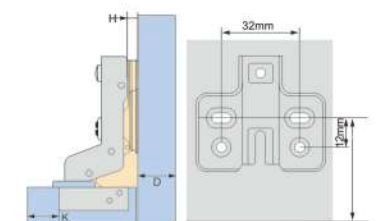
H=Height of mounting plate
K=Drilling distance from the edge of door to edge of the hole
D=Required door overlay
A=Gap between door and side panel
L=Gap between door and carcass
T=Door thickness



D	K	3	4	5	6	7
H=0		16	17	18	19	20
H=3		13	14	15	16	17



D	K	3	4	5	6	7
H=0		7	8	9	10	11
H=3		4	5	6	7	8



D	K	3	4	5	6	7
H=0		-2.5	-1.5	-0.5	0.5	1.5
H=3						

YMG.010

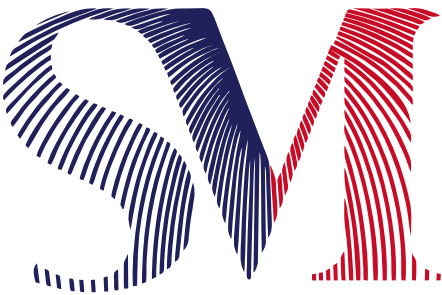
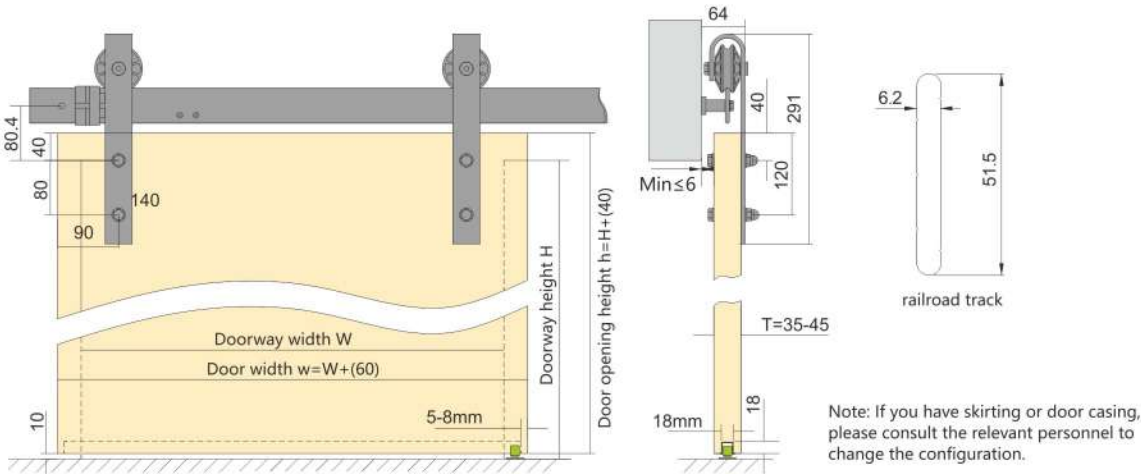


Part Configuration Chart

Suitable for doorway width		≤0.7m	≤0.85m	≤1.25m	≤1.45m
Accessory Name	3D picture reference	1.5m Single door usage	2.0m Single door usage	2.5m Single door usage	3.0m Single door usage
tackle		2	2	2	2
railroad track 1		1	1	1	1
railroad track 2		1	1	1	1
Fixed seat (optional)	L=35mm L=45mm	4	5	6	8
anti-jumping device		2	2	2	2
limit switch		2	2	2	2
shock absorbers		2	2	2	2
Damping stops		2	2	2	2
lower locating wheel		1	1	1	1
Rail end caps		2	2	2	2
Kits (sets)		1	1	1	1
Patented adjustable lower guide wheel	optional	1	1	1	1
gaskets	T=2.5mm T=5mm	4	5	6	8

Product Features:
Aluminum alloy round track and concave wheel structure, smooth sliding, ultra-quiet; hydraulic damper, cushioning effect is remarkable, feel light, stable; adjustable under the positioning, convenient installation debugging and maintenance; multi-combination, modular process, easy to install and wide range of applications.

Technical Summary:
Main Material: Deep groove ball bearing, Steel, Nylon
Finish: Oxidized black
Types of: Wood door
Door thickness: 35mm-40mm
Weight Capacity: 80kg
Packing: Paper Box Packed



San Marino

san marino



Locations

Barwa Village-Shop 37, Building 8, Doha-Qatar Al Qusais Ind3, Store No.10, Dubai, U.A.E
Novella 1804 15 Stanley Street Salford Postcode M3 5GW Manchester England

sanmarinoqatar.com