



Locking Towards  
A Safer World<sup>SM</sup>



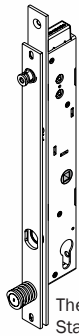


### Security Solenoid Lock

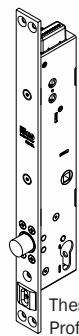
- Standard, Latchbolt, Professional and Mini versions.
- Normally Closed (fail secure) and Normally Open (fail safe) versions.
- Door status control programming for security supervision.
- Lockbus interface for integration with ISEO access control systems.
- Standalone, manual and automatic interlock configurations.
- Low power consumption device with power reserve (booster).



Thesis 2.0  
Latchbolt



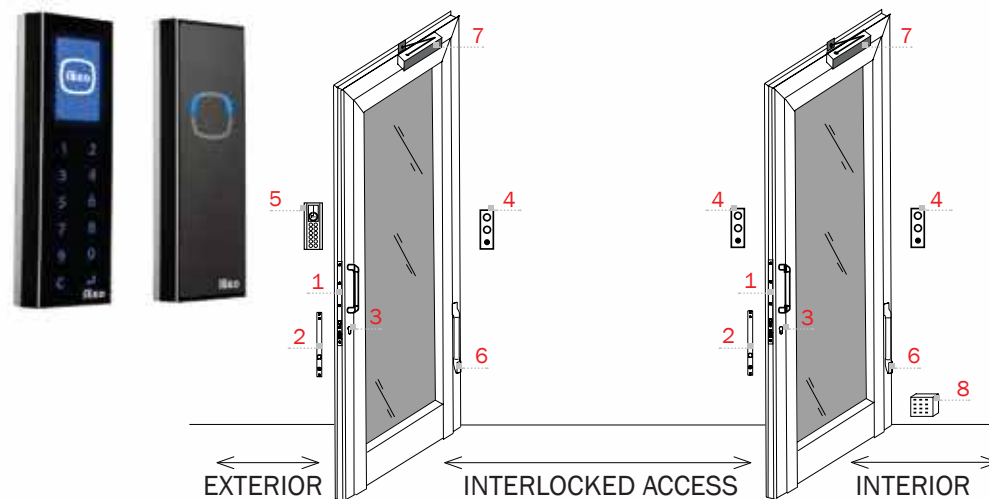
Thesis 2.0  
Standard



Thesis 2.0  
Professional



Thesis 2.0  
Professional Mini



- 1. Thesis 2.0 Standard lock
- 2. Striking plate
- 3. European profile cylinder

- 4. Status indicator with pushbutton
- 5. Stylos reader
- 6. Concealed lead covers

- 7. Door closer
- 8. Power supply unit



# Multiblindo eMotion

## ELECTROMECHANICAL AUTOMATIC LOCK WITH PANIC FUNCTION.

- Perfect combination of security and comfort.
- It operates with the most advanced access control systems.
- It can be set with three different options; **TOTAL, LIGHT, FREE.**
- Acoustic opening and closing signals.
- Mechanical opening by handle with comfort function.
- It can be combined with a panic exit device for emergency exits.

### Serenity At Your Door.

### Open to the future.

From the outside it operates by key or the most advanced electronic access control systems: fingerscan, keyboard, transponder, PIN-code.

### Choose your security level.

From the inside it operates electronically in a simple and fast way through a normal keyboard.

### With sound feedback.

A special system monitors the door status and sends opening and closing sound signals, which can be set or completely excluded by the end user.

### Set your time.

The user can set the time span between the opening pulse and the automatic relocking of the door.

### Security at your door.

Multiblindo eMotion ensures top-level intrusion protection; it doesn't lose the settings in case of a blackout and, if necessary, it always assures the mechanical key or handle action.



Motorised opening of the bolts and the latch.  
Advantages: comfort



The closing is always mechanical.  
Advantages: closing is guaranteed even in case of lack of power.



A special system controls the door status and emits signal sounds for opening and closing, which can be set by the user, who can also turn them off if necessary.  
Advantages: always knowing the door status.



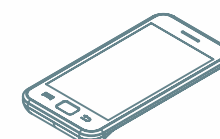
The courtesy time (the time after which the lock will relock if the door is not opened) can be set by the user. To ensure security, we suggest to programme the minimum time.



Credit card with paywave



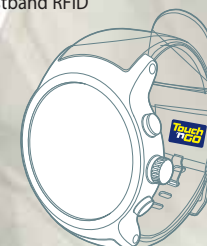
Wristband RFID



Smartphone



Keytag RFID



RFID watch



User Card

Master Card



Stylus



Actuator



Power Supply 8÷30 Vdc

**"There are those who look at things the way they are and ask "Why?"  
I dream of things that never were and ask "Why not?".  
J.F. Kennedy**



**Mechanics and electronics  
perfectly combined.  
Safety can be intelligent.**

**The new x1R SMART electronic locks are interchangeable with dimensional standards adopted for most common mechanical locks, have the same range of accessories and the electrical connections required, both during construction of the door and during installation, are much simpler than you would think at this moment in time.....**

**Opening a car by simply approaching it, and starting it with an electronic code generated by a personal card rather than with a traditional key is now an increasingly more common event within everybody's reach. A small revolution that will radically change our habits is also taking place in the field of security doors.**

**Today my key is SMART and the lock also intelligent.**



x1R Smart

Internal  
Programming Button

Keyboard with  
RFID reader

Only RFID  
reader

Battery Holder





### **Mechatronic Cylinder**

- Easy installation via cylinder replacement.
- Energy-saving, low-maintenance components.
- Readout of events and battery statuses.
- Mobile validator for key authorizations update.
- Full compatibility with the CSF system.
- Registered, patented and non-duplicable key profile for total security.
- New F9000 ON with bluetooth connections enable on site key validations even at remote areas.



- Energy Utility Companies ■ Grid Operators ■ Municipal Authorities ■ Housing Associations
- Security Firms ■ Service Providers ■ Security Service Providers and etc.



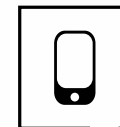
## ENTR<sup>TM</sup> KEY FREE. BE FREE



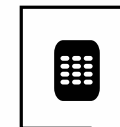
Fingerprint  
20 USERS



Remote  
20 USERS



Smartphone



Code  
20 USERS

- Ideal for most types and sizes
- Easy to install on your existing door - no drilling and wiring
- Battery operated - not dependent on power or cables
- Secure, encrypted wireless communication between system elements
- Automatic locking - shut the door and it will automatically lock





## Have you started planning for the future or are you still stuck in the past?

### ■ UNIQUE COMFORT

You can't lock yourself out; your finger is always at hand!

### ■ HIGHEST SECURITY

- No lost or stolen keys!
- Maximum protection against fake finders thanks to liveness detection with RF sensor technology!
- Access rights (e.g. card or key) cannot be transferred!
- 1,000 times higher security than a 4-digit code!

### ■ USER FRIENDLY

- Easy installation and administration!

### ■ INTELLIGENT SOFTWARE

- The ekey software is learning all the time - it can detect the growth of children's fingers as well as minor injuries and changes to users habits.

### ■ KNOW WHO IS COMING HOME

- By using the ekey fingerprint access control system, building control systems can now detect "which person" triggers an action.



# ISEO PROTECTS **YOUR** WORLD. ISEO CYLINDERS, THE **HEART** OF YOUR SECURITY



**RESISTANCE AGAINST DRILLING**



**RESISTANCE AGAINST PULLING**



**RESISTANCE AGAINST MANIPULATION**



**ONE UNIQUE KEY, HAVING PERSONALIZED  
PROTECTED PROFILE AND TECHNICAL  
PATENTED SOLUTION**



**THE CORRESPONDING PROPERTY CARD,  
WHICH HAS TO BE PRESENTED AT SPECIALIZED  
DEALERS' WHEN ASKING FOR A DUPLICATE,  
PROPERTY CARD AIMS TO IDENTIFY KEY OWNER.**



**ATTACK RESISTANCE**



**MULTI LEVEL**



**KEY SECURITY**



**INTEGRATION WITH ELECTRONICS**





**CSF Cylinders**  
**The Future of your Security**

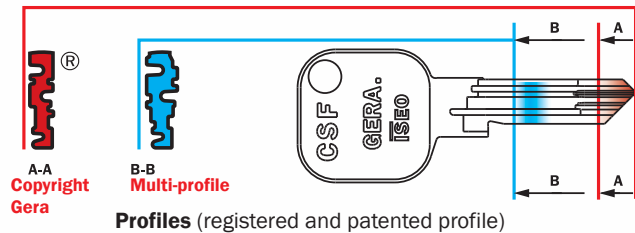
Markenschutz  
**GERA**®



**Protected and registered multi-profiles without time limit (only ISEO can produce the key blanks).**

The key profile showing the word GERA is registered world-wide and is without time limit.

To meet market demand, each key is provided with two different profiles. Starting from the registration of the profile of section A-A of **F9**, for **F90**, **F99**, **F900** further patented systems are added for a higher security level in the system.



**ISEO® FOR YOU**



**F900**



#### ATTACK RESISTANCE

- Grade D
- Spring tempered steel bar increasing resistance against snapping and breaking
- Drilling resistance: anti drilling devices in body and plugs

#### KEY RELATED SECURITY

- Grade 5: min. 30,000 differs
- Trademark on key for a lifetime protection
- Patent protected against illegal duplication
- Property card
- Nickel silver key

#### OTHER TECH. BARRIERS AGAINST CLONING

Patented magnetic pin the key which prevent undesired key copies even with most recent cloning methods.



**F99**



#### ATTACK RESISTANCE

- Grade D
- Spring tempered steel bar increasing resistance against snapping and breaking
- Drilling resistance: anti drilling devices in body and plugs

#### KEY RELATED SECURITY

- Grade 6: min. 100,000 differs
- Trademark on key for a lifetime protection
- Patent protected key against illegal duplication
- Property card
- Nickel silver key

#### MULTILEVEL MKS

- Multi profiles available for multi level master key systems
- Compatible with F90 and F9 cylinders



**F90**



#### ATTACK RESISTANCE

- Grade D
- Spring tempered steel bar increasing resistance against snapping and breaking
- Drilling resistance: anti drilling devices in body and plugs

#### KEY RELATED SECURITY

- Grade 6: min. 100,000 differs
- Trademark on key for a lifetime protection
- Patent protection against illegal duplication
- Property card
- Nickel silver key

#### MULTILEVEL MKS

- Multi profiles available for multi level master key systems



**F9**



#### ATTACK RESISTANCE

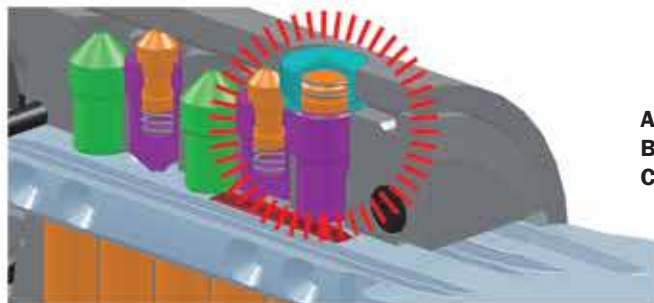
- Grade O
- Spring tempered steel bar increasing resistance against snapping and breaking
- Drilling resistance: anti drilling devices in body

#### KEY RELATED SECURITY

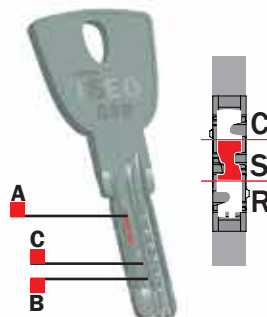
- Grade 6: min. 100,000 differs
- Trademark on key for a lifetime protection
- Property card
- Nickel silver key

#### MULTILEVEL MKS

- Multi profiles available for multi level master key systems



**A:** Blocking pin crest  
**B:** Passive pin  
**C:** Active pin

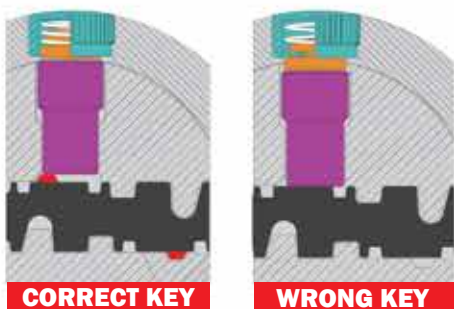


## An extraordinary patent: the Blocking Pin

The Blocking Pin patented system, conceived as protection against unauthorized key duplication, is composed of a special active pin located in the cylinder and of a special crest on the key.

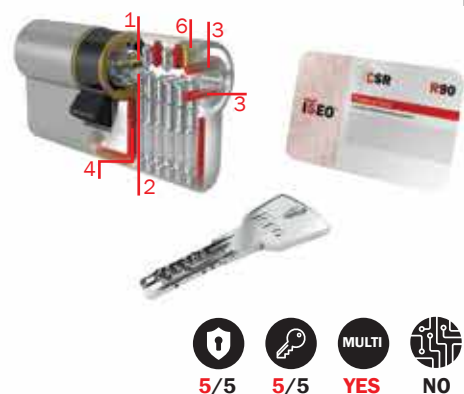
When inserting the **correct key** the mechanism is activated: the pin and counterpin align and allow barrel rotation.

When inserting the **wrong key** (key pit without crest) the pin and counterpin do not align and do not allow barrel rotation.



**CORRECT KEY**

**WRONG KEY**



### CSR R90

DIN EN 1303

- 6 Blocking pin.
- 4 Anti-break steel bar.
- 3 Anti-drill steel device in the cylinder body and in the barrel.
- 2 Steel top and bottom pins.
- 1 Trademark protection steel pin.



### CSR R9 plus

DIN EN 1303

- 5 Independent and dedicated profiles
- 4 Anti-break steel bar.
- 3 Anti-drill steel device in the cylinder body and in the barrel.
- 2 Steel top and bottom pins.
- 1 Trademark protection steel pin.



### CSR R9

DIN EN 1303

- 4 Anti-break steel bar
- 3 Anti-drill steel device in the cylinder body and in the barrel.
- 2 Steel top and bottom pins.
- 1 Trademark protection steel pin.

## MULTI-PROFILE AND MULTI-LEVEL REVERSIBLE-KEY SYSTEM:

AN ENDLESS COMBINATION OF PRODUCTS AND PROFILES TO SUIT ANY SECURITY AND FLEXIBILITY REQUIREMENT.

### A complete range

Developed with the most advanced security devices: ANTI-BUMPING, ANTI-DRILL and ANTI-BREAK.

### Utmost flexibility

Particularly recommended for Master Key systems.

### Security and comfort

A unique key opening all the locks: from the entrance door to the gate, from the garage to the mail box, allowing total freedom and utmost security.

### Reversible

**Ergonomic** and in nickel silver. It has got a handy keyhead

**Protected** against unauthorized duplication by patents and trademarks.

**Registered profile** without time limit (CSR mark is stylized on the tip of the key)..



## R50



### ATTACK RESISTANCE

- Grade D
- Drilling resistance: anti drilling devices in body and plugs
- Bumping resistance: certified bump resistant pins and counter pins

### KEY RELATED SECURITY

- Grade 6: min. 100,000 differs
- Patent protected key against illegal duplication
- Property card
- Nickel silver key with long neck
- Ergonomic key head in plastic material or metal

### MULTILEVEL MKS

- 11 pins biting system to manage master key suites

## R6



### ATTACK RESISTANCE

- Grade 0
- Standard security level: 6 pins key biting system in stainless steel
- Picking resistance thanks to brass mushroom shaped counter pins
- Drill resistance thanks to additional inserts positioned on both sides of the cylinder body

### KEY RELATED SECURITY

- Grade 5: min. 30,000 differs
- Reversible brass nickel coated key
- Code Card to get a high quality duplicate
- Code numbering on key neck

## F6



### ATTACK RESISTANCE

- Grade 0
- Standard security level: 6 pins key biting system in stainless steel
- Picking resistance thanks to brass mushroom shaped counter pins
- Drill resistance thanks to additional inserts positioned on both sides of the cylinder body

### KEY RELATED SECURITY

- Grade 6: min. 100,000 differs
- Standard vertical nickel coated brass key
- Code numbering on key neck

## R7



### ATTACK RESISTANCE

- Grade D
- Drilling resistance: anti drilling devices in body and plugs
- Bumping resistance: certified bump resistant pins and counter pins

### KEY RELATED SECURITY

- Grade 6: min. 100,000 differs
- Code card to get a high quality duplicate
- Metal key head with possibility to add a plastic cap, included in packaging

### MULTILEVEL MKS

- 11 pins biting system to manage master key suites

## R6plus



### ATTACK RESISTANCE

- Grade 0
- Standard security level: 6 pins key biting system in stainless steel
- Picking resistance thanks to brass mushroom shaped counter pins
- Drill resistance thanks to additional inserts positioned on both sides of the cylinder body

### KEY RELATED SECURITY

- Grade 5: min. 30,000 differs
- Reversible brass nickel coated key
- Code numbering on key neck
- Metal key head with possibility to add a plastic cap, included in packaging
- 5 owners' keys and one construction key
- Code Card to get a high quality duplicate

## F5



### ATTACK RESISTANCE

- Grade 0
- Standard security level: 5 pins key biting system
- Picking resistance thanks to brass mushroom shaped counter pins

### KEY RELATED SECURITY

- Grade 4: min. 30,000 differs
- Standard vertical nickel coated brass key
- Code numbering on key neck



## From Simple to Complex, Master Key System for Every Needs

### Master Keying Solution

Scalable to any size



Comprehensive range of solutions designed to address any locking need



Complex system-design capabilities



Ability to incorporate a wide range of product types into the system using a single key



Scalability to serve dynamic and growing environment



#### Enhanced Security

With increased control over access and fewer keys that could be lost or stolen.



#### Customizable

Depending on needs, the Master Key System can be applied to the High Security key system platform that is most suitable and to a wide range of products including various lock and cylinder types.



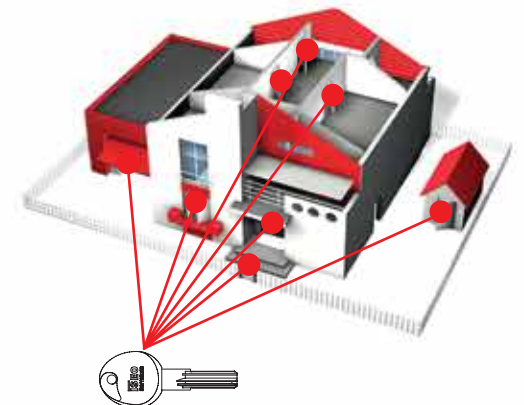
#### Cost-effective, Resource Reduction

Through efficiencies and single-key access, you'll need to create and recreate fewer keys.



#### Convenient

Each user has access to what they need and only what they're authorized for, including central doors, internal doors, garage doors, mailboxes, cabinets and more.





## IMPORTANT COMMON FEATURES IN THE MULTIBLINDO PLATFORM

### DEADBOLT WITH **PATENTED** ANTI-LOCKPICKING SYSTEM.



Extremely high resistance lock, certified to the highest level (grade 7) of the corresponding reference standards; EN12209, prEN15685, EN14846 which guarantees:

- Resistance to breaking through from the side and the bottom, with a force greater than 1000kg.
- Resistance to a head-on force greater than 600kg.

**Reinforced deadbolts**  
The deadbolts are covered in carbonitrided steel plating on both sides.  
Advantages: anti-drill and anti-cut resistance.

Deadbolts with 27mm projection.  
Traditional swinging or hook type with anti-lift bolt.  
Advantages: better anchoring and resistance of the door.

**Finish.**  
Stainless steel front plate and striking plates.  
Advantages: long-term resistance, it adapts to the most modern high-tech environments.

### LONG-LASTING LOCKS.

- Resistance to corrosion for more than 240 hours of salt mist.
- More than 200,000 opening and closing cycles with a load of 120N on the door.

### DEADBOLTS WITH INDEPENDENT RESISTANCE.

Every deadbolt ensures its independent resistance to lock-picking attempts. Advantages: if one deadbolt is forced, the others still guarantee resistance independently.

**Closed lock case.**  
The lock is closed on all sides.  
Advantages: this stops door chips and shavings from getting jammed in the lock and also provides resistance to a possible lock-picking attempt from the rear of the lock.



### SECURITY:

Ability to resist burglary even from violent attempts, protecting the property inside the building.



### SAFETY:

Guarantees a quick exit or evacuation from a room in the event of escape or emergency, protecting people.



## Multiblindo Classic

### A UNIQUE SECURITY CONCEPT

With its exclusive bayonet bolt, anti-picking system and close-on-all-side steel locks case

### AN UNPRECEDENTED EASE OF USE

A system that reduces turning key force.

### UNEQUALED VERSATILITY

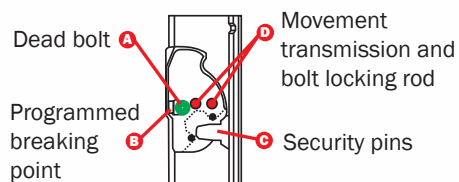
Latch, roller latch and plug interchange ability.

### IT HAS BEEN DESIGNED AND TESTED

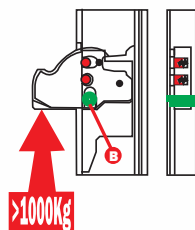
According to the European standards EN 12209-05 (lateral locking version) and prEN 15685 (3-point locking version). It resists lateral forcing with a thrust of over 1,000kg and front load of over 600kg.

The corrosion resistance is more than 240 hours in a saline environment.

Endurance tested to over 200,000 opening and closing cycles under a 120N load.



Modular Latch or Roller Latch



In case of a break'in attempt, any force equals or greater than one metric ton, breaking point "B" leads to upward movement of rotating fulcrum which result of irreversible blocking of the deadbolt between the door and the frame.



The deadbolt can no longer be retracted into the lockcase body due to upward movement of the deadbolt. The door is now then permanently blocked and locked securely.





## Multiblindo Easy

3 closing options that can be set up by the user through a selector on the front plate.

Advantages: different functions can be used during the daily use of the door.

- deadbolts and latchbolt automatic locking **(0-total)** during normal use of the door.
- locking by latchbolt only **(1-light)** for heavy-use periods.
- hold-open function **(2-free)**, which leaves the door completely open.



## COMPATIBLE INTEGRATIONS



On the Easy version, it is possible to exclude the internal handle by an extra turn of the key with the bolt already engaged.

Advantages: preventing the opening from outside in the event of a door breaking (i.e. glass frame doors). In terms of safety it ensures a better exit control.

Fixed latch with right/left hand, with an increased distance from the trigger.

Advantages: the door has more tolerance.



## INFILARE 291



Code: 291105xxX



Code: 291205xxX

- A  FOREND, BRASS. GOLD PLATED 24 KT MM. 22 SQUARE EDGE & ROUND EDGE
- L  FOREND, POLISHED AND PAINTED BRASS, 22MM. SQUARE EDGE & ROUND EDGE
- K  FOREND, CHROME-PLATED BRASS, 22MM. SQUARE EDGE & ROUND EDGE
- N  FOREND, NICKEL-PLATED SATIN BRASS, 22MM. SQUARE EDGE & ROUND EDGE
- B  FOREND, BRONZED-PLATED AND BRUSHED BRASS, 22MM. SQUARE EDGE & ROUND EDGE
- 2  FOREND, STAINLESS STEEL, 22MM. SQUARE EDGE & ROUND EDGE

## INFILARE 200



Code: 200N602S



Code: 200xx7 Brass



Code: 280xx1



Code: 201402  
201502  
201602

## MULTIPOINT LOCK



**Multipoint**

Latch : 785101xx2  
Roller : 785201xx2



**Performa**

725551xx28



**Multiblindo  
Classic**

Flat Forend : 795510xx2  
U - Forend : 795500xx2



794510652



79A519402

**Multiblindo  
Easy**

U - Forend : 7A3201xx2.D  
: 7A3201xx2.S



**Multiblindo  
eMotion**

7A3600xx2.D/S







Code: 781402252  
781402302  
781402352



Code: 782002252  
782002302  
782002352



Code: 783102252  
783102302  
783102352



Code: 783380252



Code: 783480252



Code: 781470250  
781470300  
781470350



Code: 780322252



Code: 745200F



Code: 743200  
743250  
743300  
743350



Code: 741200  
741250  
741300  
741350

Deadbolt Only, without roller  
Code: 745200, 745250  
745300, 745350

#### Electa Accessories



Code: 990827



Code: 990823



Code: 990816



Code: 990836  
Pair of Ø 10 tips in zinc  
plated steel for M8 threaded  
rods



Code: 990811



Locks with  
internal rods



Locks with  
deviators



Locks with  
external  
rods



Code: 638.04.60  
Art./Item: 638



Art./Item: 672



Art./Item: 668.0328.0G00



Art./Item: 678.0028.LG00



Art./Item: 662



Art./Item: 668



Art./Item: 668E



Art./Item: 678G



uPVC



Hook



Deadbolt



Roller Cam



Mushroom Cam



Centre Latch



Anti Lift Hook  
and Finger Bolt

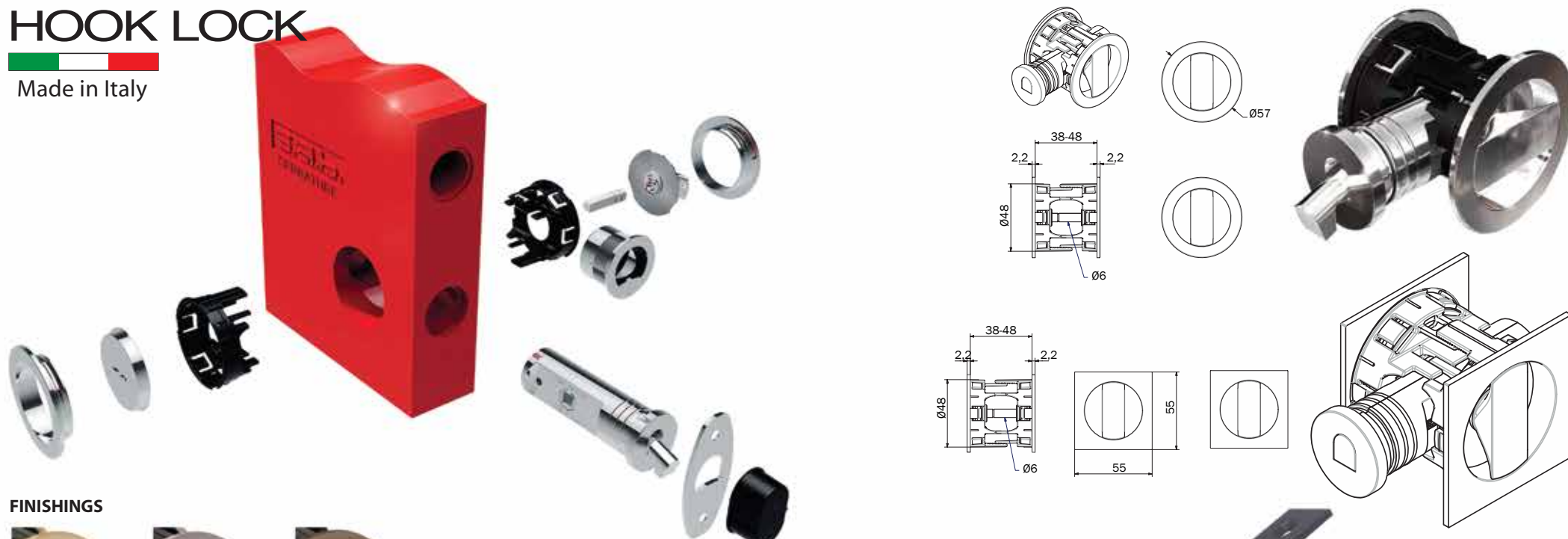
- 2 upward locking hooks provide enhanced security.
- 2 independent pins.
- Available in hook, roller cam & mushroom cam.
- Suitable for uPVC, timber door & etc.
- Suitable for residential & French doors.



# HOOK LOCK



Made in Italy



## FINISHINGS



**OLV**  
Polished and  
Lacquered Brass-  
plated



**ONS**  
Satin Nickel-  
plated



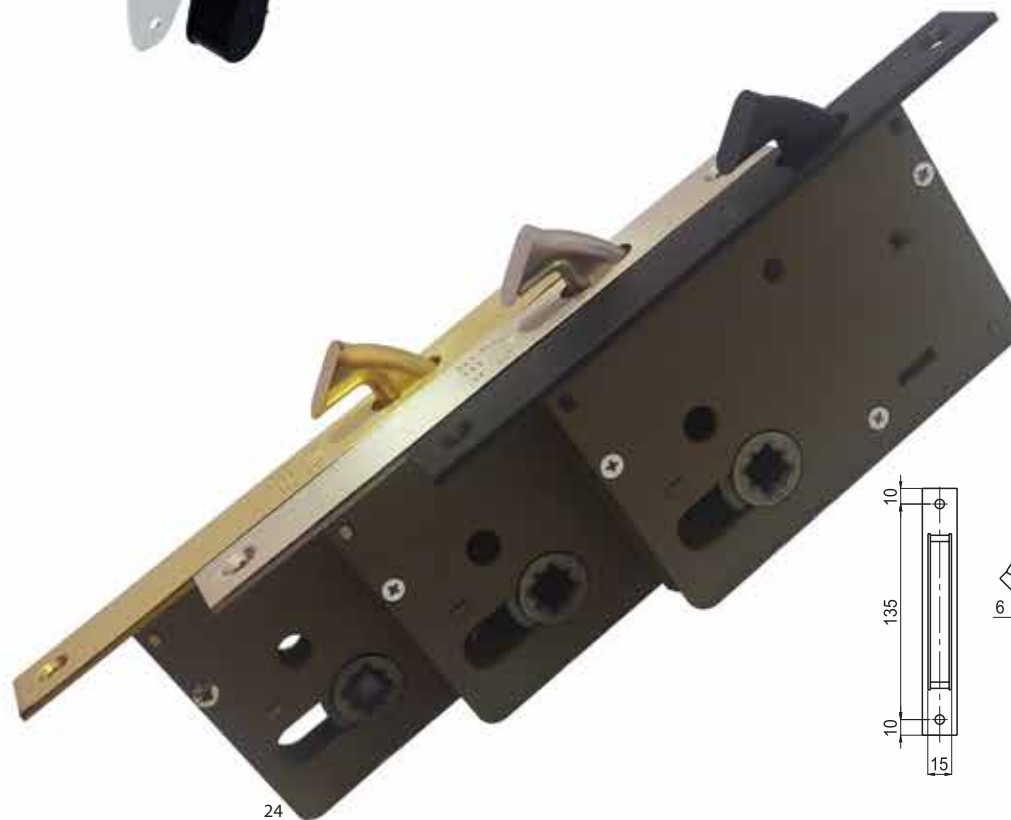
**OGR**  
Antique Bronze



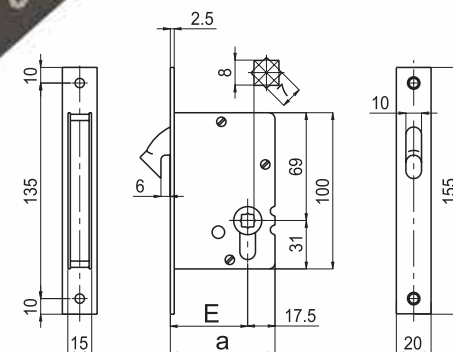
185KT-CS  
185KT-OL



330KT-CS  
329KT-OL



230 850 OLV  
230 850 NS  
230 850 BLK







### DOUBLE SAFETY : NO PANIC, NO BACTERIA

In line with its attention to safety, ISEO has decided to add this measure to a device which is always present in public environments and in all those places where hygiene and healthcare is a basic requirement: hospitals, clinics, treatment homes, but also child care centres and nursery schools.

Therefore, the panic function is enriched with antibacterial protection, whose performance is certified by Padova University Molecular Medicine Department.

The antibacterial treatment action is permanent and does not require special maintenance. The constant release of silver ions ensures top efficiency throughout the product life, even in case of surface scratches.

### BACTERIA LEVEL REDUCED BY

AntiGerm is a registered and certified trademark exclusively used by ISEO on the global market for the Panic Exit Devices segment with no additional cost.

# 99%

### 10-YEARS WARRANTY

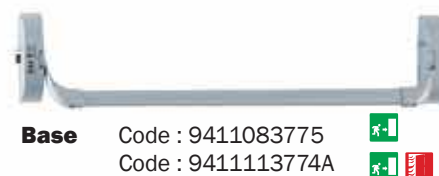
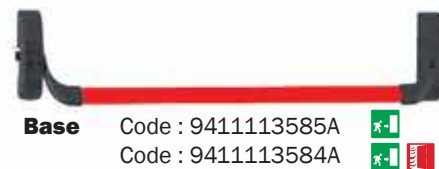
- |                      |                      |                  |
|----------------------|----------------------|------------------|
| ■ HOSPITALS          | ■ CHILD CARE CENTERS | ■ THEATERS       |
| ■ CLINICS            | ■ NURSERIES          | ■ SUPERMARKETS   |
| ■ TREATMENT HOMES    | ■ UNIVERSITIES       | ■ SHOPPING MALLS |
| ■ REST HOMES         | ■ OFFICES            | ■ AIRPORTS       |
| ■ AMBULATORY CLINICS | ■ SHOPS              | ■ TRAIN STATIONS |
| ■ LABORATORIES       | ■ HOTELS             |                  |
| ■ PHARMACIES         | ■ RESTAURANTS        |                  |
| ■ WELLNESS CENTERS   | ■ CANTEENS           |                  |
| ■ SWIMMING POOLS     | ■ CINEMAS            |                  |
| ■ GYMS               | ■ MUSEUMS            |                  |

# +650

## BACTERIA SPECIES

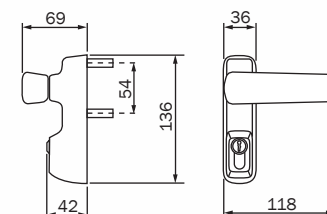
In a few minutes it kills more than 650 viruses, molds, alga, mycosis and bacteria species (as Legionella, Salmonella and MRSA) thanks to a continuous action 24 hours a day, 7 days a week reducing bacteria level of 99%.

## Base

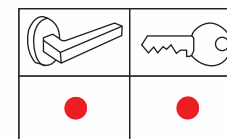


- Dogging device
- Adjustable upper keep for Base-bolt. 94300163

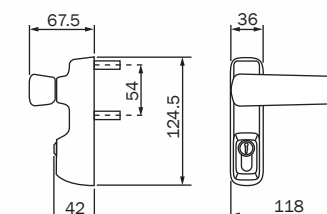
## Trim



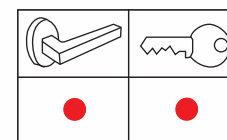
Painted external control for panic exit devices. For fire resistant doors, supplied with HANDLE and 5-pin European Cylinder. Kit of thermoexpanding gaskets.



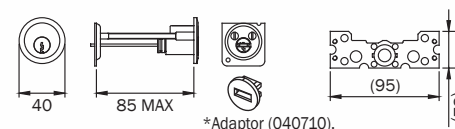
PVD  
 PAINTED GREY ■ 94011002T  
 PAINTED WHITE □ 94011004T  
 PAINTED BLACK ■ 94011005T



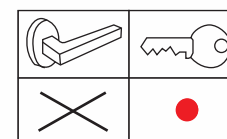
Painted external control for panic exit devices. Supplied with HANDLE and 5-pin. European Cylinder. Handle follower.



PAINTED GREY ■ 94021007  
 PAINTED WHITE □ 94021004  
 PAINTED BLACK ■ 94021005



\*Adaptor (040710).  
 External cylinder for installation on doors with a maximum, thickness of 85mm.  
 F5-pin key. Plate and screws for inside fixing. Adaptor.  
 \* Alternative  
 \* F6 (810035009)  
 \* R6 (860035009) Additional adaptor needed to be ordered separately



BRASS ■ 859000857  
 NICKEL PLATED BRASS ■ 859000859



**Push**



Top & Bottom Finish: painted

9452084444A			
9452084774A			
9452084584			



3 Points Finish: painted

9453084444A			
9453084774A			
9453084554A			
9453084584			



1 Lateral Point Finish: painted

942108458TA			
942108444TA			
942108477TA			
942108455TA			

Modular

Finish: painted

942408458TA			
942408444TA			
942408477TA			
942408455TA			



942411777T

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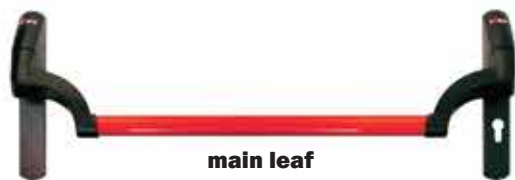
**Push Sirena**



Modular

Finish: painted

942411777T...1			
942411758T...1			



**main leaf**

Code  
949000050379  
945928 (Rod)

Finish: painted  
BLACK  
RED



Closed-case  
mortise lock  
Code : 214xxx654



Thermoexpanding gasket  
Code : 94000020



Square spindle 9mm  
Code : 9479x0



Heavy striking plate  
Code : 032094



**secondary leaf**

Code  
949000050379  
945928 (Rod)

Finish: painted  
BLACK  
RED



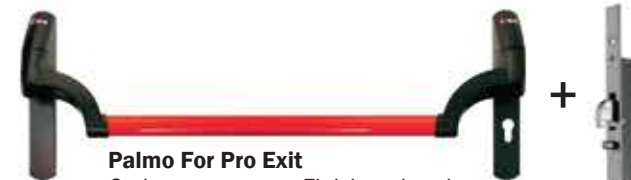
Counterlock  
Code : 212600654



Automatic relatching  
device  
Code : 032144



Zinc-plated rods for  
counterlock / flush bolt  
Code : 032184



**Palmo For Pro Exit**

Code  
94A000050669  
945928 (Rod)

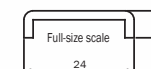
Finish: painted  
BLACK  
RED

U-front plate **2300x24x6** in stainless steel.

Backset mm 35 **DIN RIGHT / LEFT** **7A37003521D/S.A**

U-front plate **2300x24x6** in stainless steel.

Backset mm 40 **DIN RIGHT / LEFT** **7A37004021D/S.A**

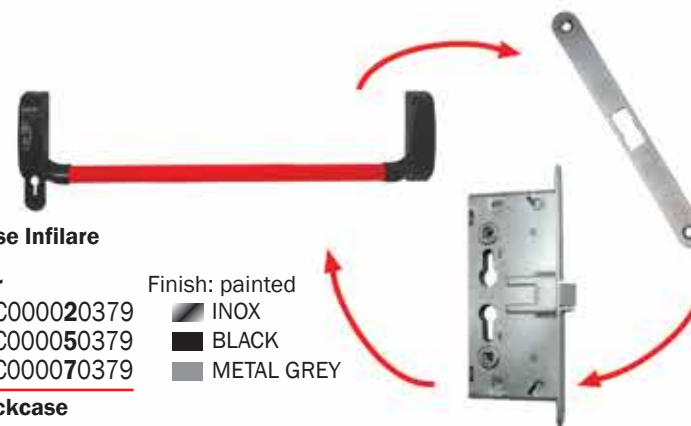
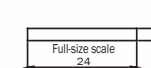


Flat front plate **2300x24x3** in stainless steel.

Backset mm 35 **DIN RIGHT / LEFT** **7A37103521D/S.A**

Flat front plate **2300x24x3** in stainless steel.

Backset mm 40 **DIN RIGHT / LEFT** **7A37104021D/S.A**



**Base Infilare**

**Bar**  
Code : 94C000020379  
94C000050379  
94C000070379

Finish: painted  
INOX  
BLACK  
METAL GREY

**Lockcase**  
Code : 21411\*65\*

**Striking Plate**  
Code : 032094



## LINE ENTRY IS 20

THIS PRODUCT LINE “ENTRY” INCLUDES THE DOOR CLOSER **IS20**. IT IS A RELIABLE PRODUCT CONCEIVED FOR A LOW COST MARKET.

It is suitable for any type of door with standard dimensions. It represents the ideal solution for doors with no specific technical requirements and which are not visible in public context.

The simple installation allows to save time also on construction sites.

Thanks to its small dimensions and to the version with hold open arm, it is suitable for any situation and context.





## LINE “DESIGN” IS65 AND IS60

THIS PRODUCT LINE “DESIGN” INCLUDES THE DOOR CLOSERS **IS65** AND **IS60**. THEY REPRESENT THE IDEAL SOLUTION FOR THE MOST COMMON DOOR DIMENSIONS.

Thanks to their new design and smaller dimensions, they easily adapt also to elegant environments. Furthermore, the traditional closing speed and latching action adjustments make the installation easier on any type of door. These reliable, steady and long-life products represent the perfect solution in any situation, also thanks to their aesthetics and design, but also for the **CE marking** and the fact that they are suitable to be installed also on **fire resistant doors**. Versions with **hold open device** are available for **non-fire resistant doors**.

## LINE “PERFORMANCE” IS110, IS115, IS310 AND IS315

THIS PRODUCT LINE “PERFORMANCE” INCLUDES THE DOOR CLOSERS **IS110**, **IS115**, **IS310** AND **IS315**, AND MEETS THE MOST SPECIFIC NEEDS OF THE MARKET.

Thanks to the backcheck valve, doors and walls are protected from sudden openings due to wind effect. Some door closers of this line allow also to adjust the door closing time. They represent the ideal solution for commercial and public buildings where also disabled people have access. In any case, they guarantee a total closing, also if they are installed on **fire resistant doors**. The force is adjustable even when the door closers are already installed, in order not only to meet the customers' needs, but also to comply with the standards in force. Thanks to its wide range of force adjustment, only one product can represent an efficient solution for different doors and situations. The **CE marking** guarantees that the door closers are suitable for **fire resistant doors** and they are reliable, steady and long-life products. The new cover design easily adapts to any type of door and it protects at the same time the adjustment valves.





## 2000/4F Floor Pivot



		2000/4F
Closing Force	EN Size	N/A
Door Size (Max)	Width (mm)	1800
	Weight (KG)	400
Mechanism	Rack & Pinion	✗
	Cam & Roller	✗
Angle of Opening		N/A
Non Handed		✓
Power Adjustment	By Spring	✗
	By Template	✗
Action Availability	Single	✓
	Double	✓
Adjustable Sweep Speed		✗
Adjustable Latching Speed		✗
Adjustable Backcheck		✗
Adjustable Delayed Action		✗
Hold Open		✗
CE Marked		✗
Certifire Approved		✗
Guarantee		10 yrs
<b>OPTIONS</b>		
Single Action Accessories		✗
Double Action Accessories		✗
Spindle Extensions		✓
Finishes	SS, PS, PB	

Exidor 2000/4F floor pivot uses the same class leading bearing technology as the floor spring is used in applications where there is no requirement for closing a door, and using hinges is difficult because the door is heavy or a double action is required.

The 2000/4F can carry a door up to 400kg whilst having a very small footprint, and only has a recess below the floor surface of 15mm. The range is compatible with all Exidor floor spring strap systems and top centres, which must be ordered separately, if required.

Different height spindle extensions between 5mm and 50mm are available, but these must be ordered with the pivot as they cannot be changed on site.

The floor pivots are available in satin stainless steel, polished stainless steel or polished brass finish.



## 900 Series Floor Spring

		993	995
Closing Force	EN Size	1-6	1-6
Door Size (Max)	Width (mm)	1400	1400
	Weight (KG)	600	600
Mechanism	Rack & Pinion	✗	✗
	Double Cam	✓	✓
Angle of Opening		180°	180°
Non Handed		✓	✓
Power Adjustment	By Spring	✓	✓
	By Template	✗	✗
Action Availability	Single	✓	✓
	Double	✓	✓
Adjustable Sweep Speed		✓	✓
Latching Speed		✓	✓
Backcheck		✓	✓
Heavy Duty Backcheck		✗	✓
Delayed Action		✗	✗
Hold Open 90° & 120°		✓	✗
Hold Open 105°		✗	✗
CE Marked		✓	✓
Certifire Approved		✓	✓
Guarantee		10 yrs	10 yrs
<b>OPTIONS</b>			
Single Action Accessories		✓	✓
Double Action Accessories		✓	✓
Spindle Extensions		✓	✓
200° Cam		✓	✓
Gel Infill For Improved Water Resistance		✓	✓
Mechanism & Box Only		✓	✓
Finishes	SS, PS, PB		

Generally considered the best in the market, the Exidor 900 series double cam mechanism floor spring range fits discreetly into the floor, giving improved resistance to interference and vandalism, and they are particularly suited to shops, offices, hospitals etc.

Available in both single and double action with backcheck, they feature adjustable power size 1-6 and can be used for doors up to 600kg. Available as a complete unit, or as a mechanism only where replacements are required, the 900 series is equipped with a unique centre controlled closing mechanism which ensures smooth and quiet closing to the central closed position from either direction.

Options include 90°, 105° and 120° hold open, delayed action, and heavy duty backcheck for use on heavier doors. Other accessories consist of extra height spindles, 200° cam and gel infill for improved water resistance. The cover plate is available in a choice of three plated finishes.



Zen Mesh



Riflesso Black



Riflesso Rock



Elios Crystal



Spirit Mesh



Riflesso Ring



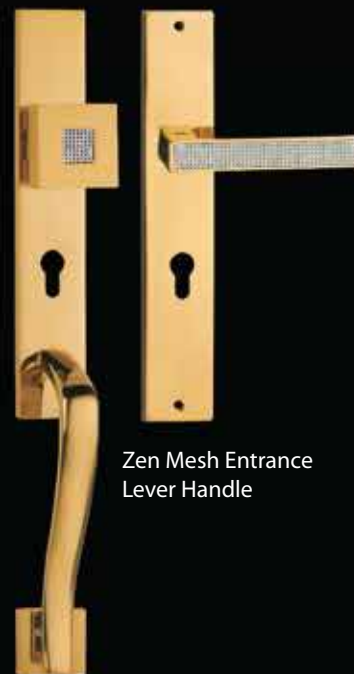
Shell Mesh



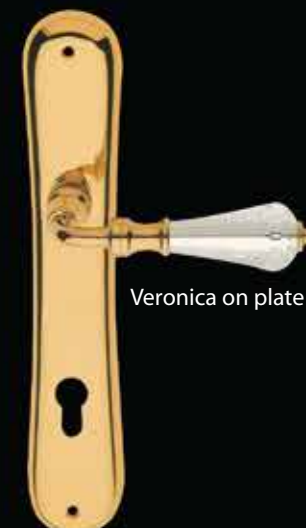
Fish Crystal



Havana Mesh



Zen Mesh Entrance  
Lever Handle



Veronica on plate





Opera Crystal on Plate  
60 x 380mm



Opera Crystal Lever



Opera Crystal Knob  
90 x 90mm



Brilliant  
Diamond on Plate  
75 x 418mm



Brilliant  
Crystal on Plate  
75 x 418mm



Cometa on Plate  
50 x 300mm



Cometa



Nau Crystal



Elika Crystal on Plate  
50 x 275mm



Creative Crystal Pull Handle  
L : 910, 1110mm



Viola Pull Handle  
L : 312mm



Reflex Pull Handle  
L : 312mm



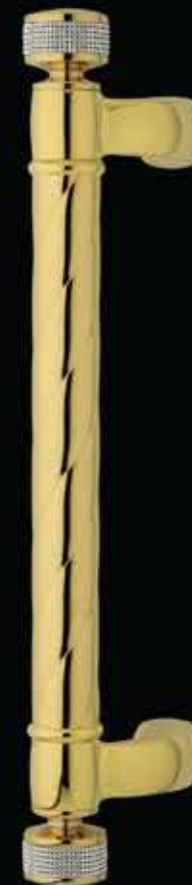
Shell Mesh  
Pull Handle  
L : 360mm



Veronica Pull Handle  
L : 250mm



Crystal Pull Handle  
L : 310, 500mm



Creative Mesh Pull Handle  
L : 830, 1030mm



King Pull Handle  
L : 790, 1100mm



# Crystal Collections

## Door Knob



Zen Mesh



Reflex



Veronica



Elika Crystal



Crystal



## Cabinet Knob



Mesh Crystal



Mesh Crystal-Blue



Mesh Black



Ring Nero Jet



Pop Art Blue



Pop Art Crystal



Mirror Blue



Mirror Crystal



Veronica Crystal



Crystal Violet



Rocks Grey



Rocks Blue



Elios Crystal



Elios Nero Jet



Cometa Crystal



Elipse Crystal

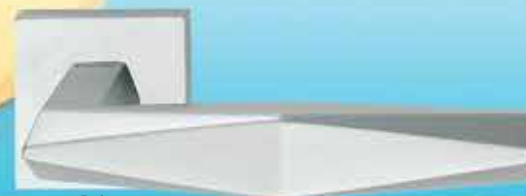


Crystal Topaz



Crystal Green





Prisma



Komfort



Spirit



Kendo



Spirit Mesh  
L : 333mm



Aqua Aerial View



Aqua



Dune



Star



Ibis



Ala



Fish on Plate



Elios Ottone



Riflesso Ottone



Rombo on plate



Dune on Plate



Rombo



Jet



Moma



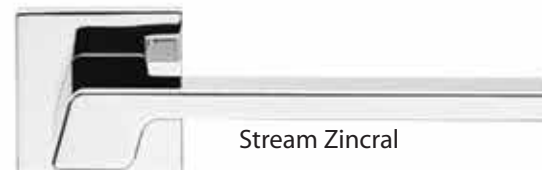
Moma



Giro Zincral



Conica Zincral



Stream Zincral



Trio Zincral



Spring Zincral



Corner Zincral



Brera Lever Handle



Brera Knob  
90 x 90mm



Brera Flush Pull

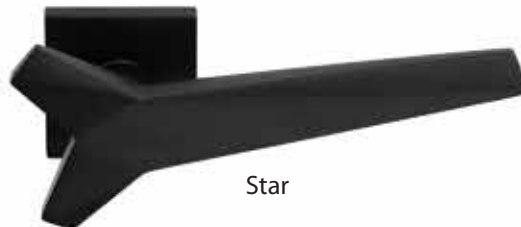


Moma Pull Handle  
L : 277mm





Ala



Star



Stream



Riflesso Rock



Jet



Spring



Ibis



Dune



Corner



Conica



Giro



Riflesso



Queen on knob  
75 x 418mm



Queen on Plate  
75 x 418mm



Queen Knob  
100 x 100mm



Rose on knob  
50 x 275mm



Rose on Plate  
50 x 275mm



Rose Pull  
L : 330mm



Rose Knob  
80 x 80mm



Poesia



*Vintage Collections*



Otello  
Crystal  
L : 820mm

Otello  
L : 800mm

Queen Big  
L : 850mm

Queen Big  
Crystal  
L : 840mm

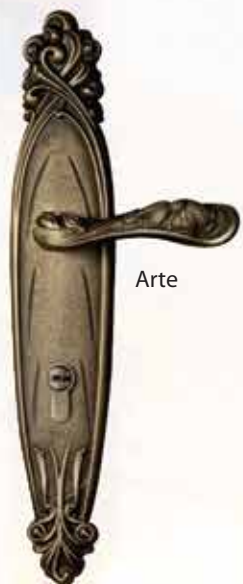


Creative Crown  
L : 1220mm

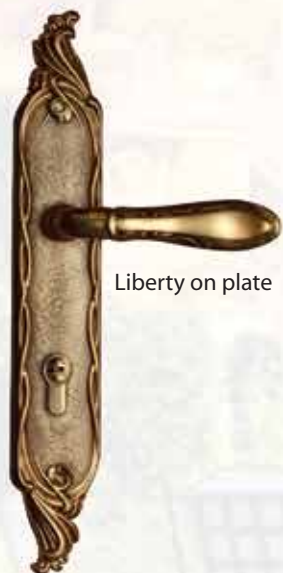


Totem  
L : 1200,  
1400,  
1600mm





Arte



Liberty on plate



Daisy Entrance  
Lever Handle



Epoca on plate



Liberty



Epoca



Poesia



# Masterpiece Collections

*Poggi Mariani s.r.l.*  
Poggi Mariani  Made in Italy



Selene



Foglia



Najla



Elfo



Sagoma



Orma



Sofia



Damasco



Ninfa



Helen





Gran Prix ACP



Caddy ZCS



Infinita ACP



Leonardo ACP



Frame F1-SAT



Frame WE

## *Designer Collections*



Morfeo





K-LOCK COLLECTIONS



Sony Headquarters New York US



COMPASSO D'ORO AWARD  
NOMINATION



Stainless Steel AISI 316L



Vera Wang San Francisco US



Stainless Steel AISI 316L

IT 2000 YOD COLLECTIONS



Square Space NY US



- |   |   |   |  |   |   |   |   |
|---|---|---|--|---|---|---|---|
| WOOD  |   |   |  | LEATHER   |   |   |   |
| Mahogany  | Ash   | Wenge   |  | Black   | Biscuit   | Brown   | Red   |
|  |  |  |  |  |  |  |  |

Stainless Steel AISI 316L  
Aluminium Leather Wood





EM - S300



EM - S450



SILOH



COMO



EM - S350



EM - S500



PLAZA



LUGANO



EM - S400



GARDA



PALAZZO



IDRO

## LEVER HANDLE ON ROSE & ON PLATE COLLECTIONS



SARNICO



TREND



GEO



NOVA ON PLATE

WIDTH=60MM  
HEIGHT= 330MM



INCHEON



SEOUL



VOLO



ALEXIS



CAMONICA



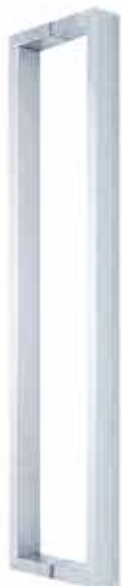
PLAZA ON SMALL PLATE

WIDTH=40MM  
HEIGHT= 225MM



BLADE ON PLATE

WIDTH=60MM  
HEIGHT= 330MM



DH809



DH810



EM210



EM216



EM208



EM212



EM215



EM196





EM240



EM8900



EM8904



EM8906



EM8907



EM8910



EM8911



EM8913

### Technical Information on IN230 hinge

- The hinge is suitable to be installed on doors and frames in wood and aluminium.
- Material of hinge : ZAMAK
- Hinge can fitted right and left
- Movement on 7 junction fulcrums equipped with bearing in plastic HT with high resistance and long life.
- Equipped with 3-way adjustments that can be settled by means of just one 3 mm hex-spanner.

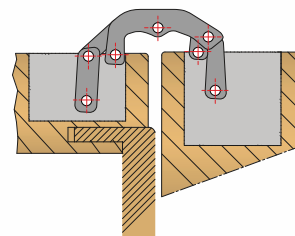
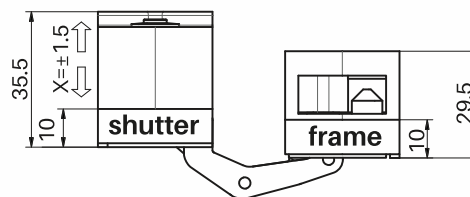
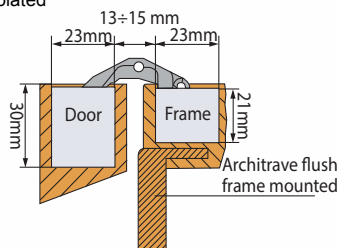
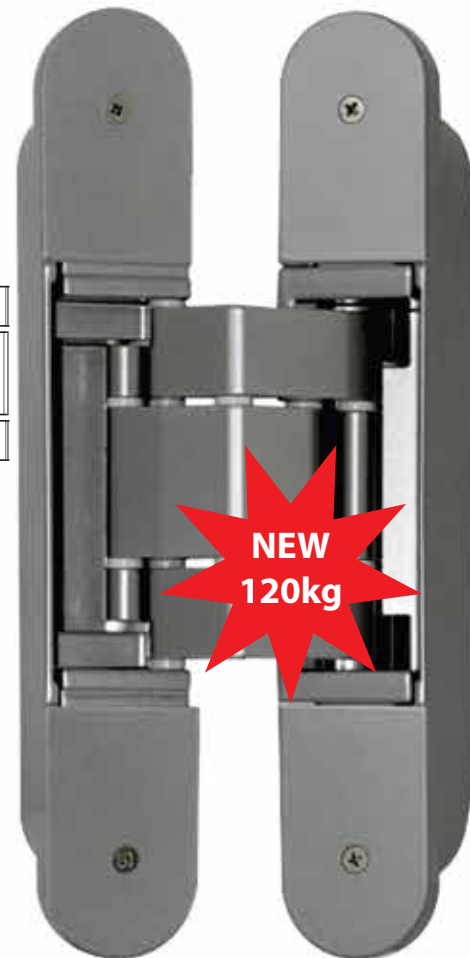
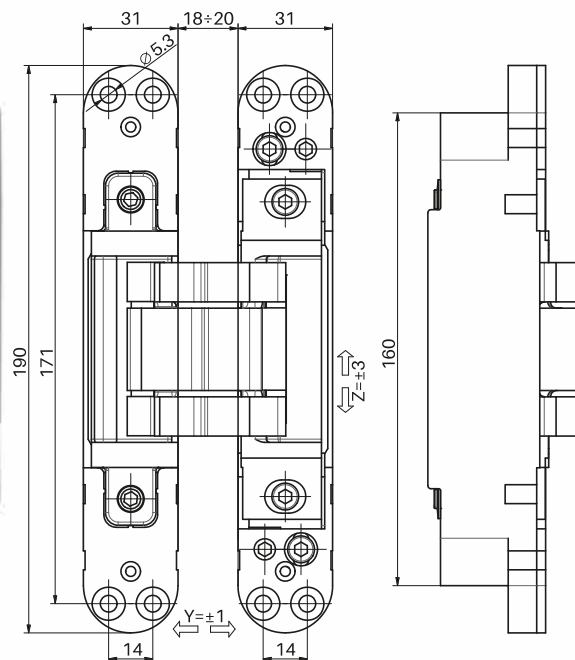
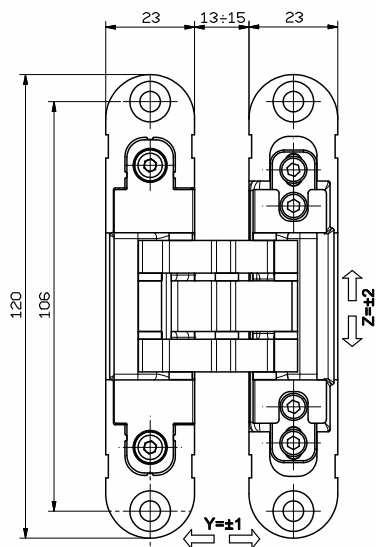
### Technical data

- Capacity with **2** hinges\* **60kg**
- Capacity with **3** hinges\* **75kg**
- Hinge height 120mm
- Width shutter side 23mm
- Width frame side 23mm
- Depth shutter side 30mm
- Depth frame side 21mm
- Door opening angle 180°
- Side adjustment + 1mm
- Height adjustment ± 2mm
- Depth adjustment ± 1mm

### Finishing

- Satinized silver plated
- Zinc plated
- Satinized nickel plated
- Bronze plated
- White matt

\*Tested with 80x210cm doors

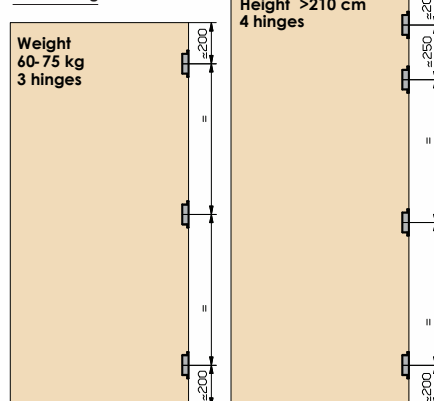


- 7 junction fulcrums equipped with bearing.
- Suitable for doors and frames in wood and aluminium.
- Material of casing: zamak.
- Material of mechanism: aluminium.
- The hinge is reversible.
- 3-way adjustments with one 4mm hex-spanner.
- The hinge can be fitted with door closing devices.

### Optional Cover For Hinges



### Positioning





Door closed:  
Completely invisible  
from the outside,  
the hinge is attached  
to the frame and the  
door

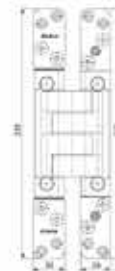


Door open 90°:  
As a result of the  
motion sequence,  
the back door edge  
is slightly lifted off  
from the frame edge.



Door open 180°:  
The fully open  
position allows free  
passage without  
any restriction.

## PIVOTA® DX 200 3-D



### Additional Information

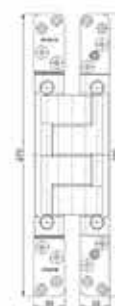
Standard load : Maximum door weight  
200kg (per pair)

Application : Concealed hinge for non-rebated  
doors, hinge leaves are mortised into frame and  
door; 3-dimensional adjustability, maintenance-  
free bearings; suitable for fire resistant doors;  
option: burglary protection (RC 2)

Receiver : not necessary

Accessories : Safety plate for frame part,  
Retainer for casing or steel frames

## PIVOTA® DX 300 3-D



### Additional Information

Standard load : Maximum door weight  
300kg (per pair)

Application : Concealed hinge for non-rebated doors,  
hinge leaves are mortised into frame and door;  
3-dimensional adjustability, maintenance-  
free bearings; suitable for fire resistant doors;  
option: burglary protection (RC 2)

Receiver : not necessary

Accessories : Safety plate for frame part,  
Retainer for casing or steel frames





H : 4inch x W : 3inch x T : 2.5mm  
STAINLESS STEEL



H : 5inch x W : 3inch x T : 3mm  
STAINLESS STEEL & BLACK FINISH



H : 5inch x W : 3.5inch x T : 3mm  
STAINLESS STEEL & BLACK FINISH



H : 4inch x W : 3inch x T : 3mm  
(With Pull)  
STAINLESS STEEL & BLACK FINISH

Available in  
4 finishing :



Black



AB



PVD



SS



STAINLESS STEEL WINDOW CATCH  
SS Finish



STAINLESS STEEL  
WINDOW STAY  
SS/PVD/AB/BLACK Finish



SOLID BRASS  
WINDOW STAY  
SS Finish



STAINLESS STEEL  
WINDOW STAY  
AB/SN Finish  
Available in 8/10/12 in



STAINLESS STEEL FRICTION STAY  
SS Finish



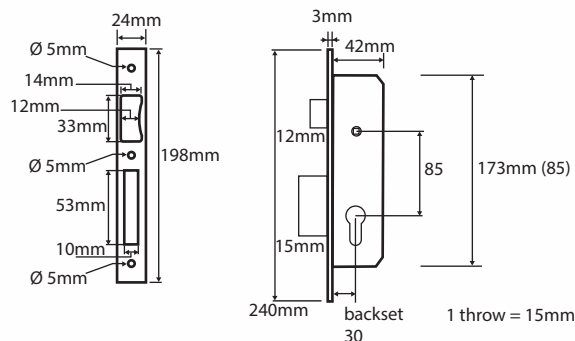
12IN RESTRICTED ARM  
SS Finish



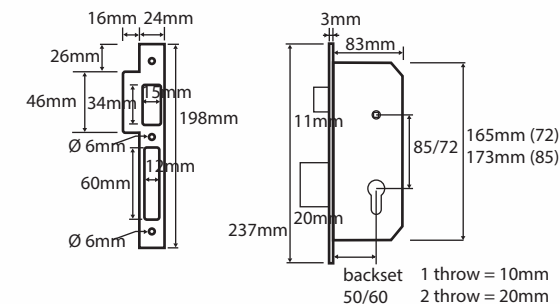
WINDOW CATCH  
SN Finish



STAINLESS STEEL TOP HUNG WINDOW HOLDER  
SS/PVD/AB/BLACK Finish



**NARROW MORTISE**



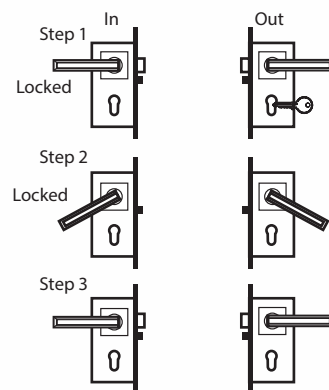
**06 ENTRANCE MORTISE (ROLLER / LATCH)**

### OPERATION

Lever operates latch from inside at all times. Key operates latch from outside / inside to unlock or lock, to determine always lock / always open. Outside handle is rigid when it's locked.



**05 CLASSROOM**



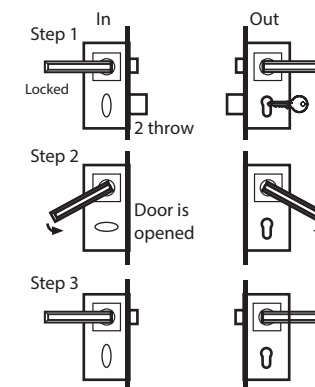
### OPERATION

Latch by lever either side. Deadbolt by turn piece inside or key outside. Continuous turn of key retract both dead bolt and latch outside. Inside lever always retract latch and deadbolt simultaneously.

\* This lock-case is suitable for panic exit main door and hotel function.



**01 EMERGENCY EGRESS**





MAGNETIC DOOR STOPPER  
AVAILABLE IN BLACK FINISH



DOOR STOPPER WITH HOLDER



STAINLESS STEEL  
DOOR STOPPER



STAINLESS STEEL  
DOOR STOPPER WITH HOOK



FLIP DOOR STOPPER



SPRING LOADED  
DOOR STOPPER



STAINLESS STEEL  
DOOR STOPPER



DOOR STOPPER



DOVE DOOR STOPPER  
AVAILABLE IN BLACK FINISH



HEAVY DUTY CONCEAL  
DOOR STOPPER





\* FLUSH BOLT ALSO AVAILABLE IN 24 INCH AND 40 INCH  
IN VARIETY FINISH (SS, PVD & AB)



DUST COVER  
SN / BLACK FINISH  
WIDTH = 35MM  
HEIGHT = 45MM



DUST COVER  
SN FINISH  
WIDTH = 25MM  
HEIGHT = 35MM



DUST COVER  
AB FINISH  
WIDTH = 25MM  
HEIGHT = 35MM



DUST COVER  
PVD FINISH  
WIDTH = 25MM  
HEIGHT = 35MM



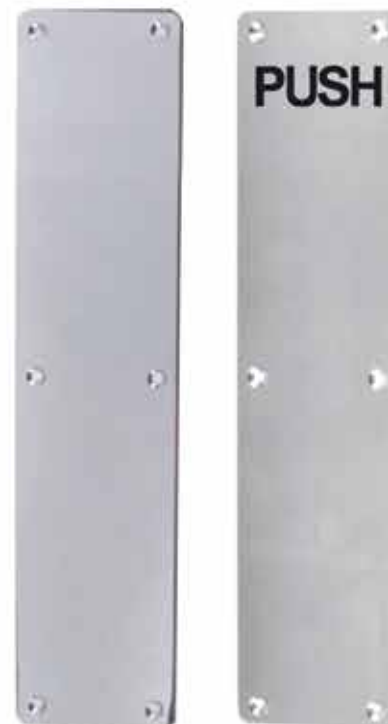
TWO POINTS BALL CATCH



STAINLESS STEEL  
ROLLER BALL CATCH



SINGLE LATERAL  
BALL CATCH



BLANK PLATE & PUSH PLATE



REBATED PART



OVAL ESCUTCHEON



ROUND ESCUTCHEON



SQUARE ESCUTCHEON



SECURITY DOOR GUARD



CONCEAL SECURITY DOOR CHAIN



FLUSH PULL HANDLE



AMERICAN MORTISE PULL &  
EUROPEAN PROFILE CYLINDER PULL



SECURITY BOLT WITH THUMBTURN



SECURITY BOLT WITH KEY



# SLIDING DOORS

## ANOTHER WAY OF CONCEIVING SPACE

### HIGH-QUALITY SLIDING, FOLDING AND ARTICULATED SYSTEMS FOR ALL TYPES OF APPLICATIONS

People change and so do their lifestyles. Everything around us also evolves, including our living spaces. We adapt them to our ways of living and working, to our everyday needs, and to our changing tastes.

This is something that we are very aware of, which is why we think of spaces as ecosystems that change at the same pace as their inhabitants. We create and develop sliding door systems that are tailored to the lifestyles of the people who use them and work to ensure they are perfectly integrated into their spaces.

### QUALITY

At MTB, quality is an inherent aspect of the company's culture, and at the industrial level, this is converted into an important value-generating factor. That's why at MTB we work in accordance with standardised procedures throughout the process.







## COMPACT GLASS **SV-X80 SYSTEM**, A NEW CONCEPT IN SLIDING DOORS



### Profiles



50x66mm



12x17mm



17x80mm

### Specifications



8-10-12mm



8mm > 13,5mm  
10mm > 11,5mm  
12mm > 9,5mm



1 softbrake > MIN. 630mm  
2 softbrake > MIN. 1.000mm

### Accessories



Softbrake MAX.80kg

### Installation top view



The **SV-X80** is a system of high quality suspended frameless sliding glass doors. Ideal for lightweight or medium weight dividers and doors for home or commercial use.

Saheco **SV-X80** can support

- weight up to **80kg**
- glass panes thickness from **8mm to 10mm**
- glass does not need machining (laminated glass can be fitted)
- an ideal system for dividers in **offices, rooms** and **connecting doors**.

## MULTIPLO SYSTEM FOR TIMBER AND GLASS.



**SF-PROGRESIVA** and  
**SF-SINCRO PROGRESIVA**  
is for timber doors



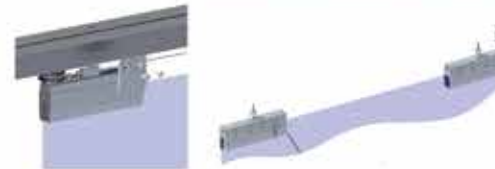
**SV-PROGRESIVA** and  
**SV-SINCRO PROGRESIVA**  
is for glass doors



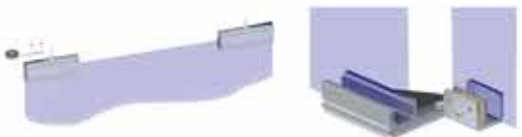
SF-PROGRESIVA



SF-SINCRO PROGRESIVA



SV-PROGRESIVA



SV-SINCRO PROGRESIVA

### SF-PROGRESIVA / SV-PROGRESIVA

### SF-SINCRO PROGRESIVA / SV-PROGRESIVA

**SF-PROGRESIVA / SV-PROGRESIVA** springs from the above product. And only **two panels** are required, either on the **right** or on the **left**, it will be possible to install them. The **first door draws** the **second door** **telescopically** and **gradually**.

**SF-SINCRO PROGRESIVA / SV-SINCRO PROGRESIVA** for dividers and connecting doors. The opening and closing mechanisms allow the user to open and park the four doors of the installation in parallel and simultaneously, housing two on the left and two on the right. And maximum weight of **80kg** per panel.



## SF SOFTBRAKE / SV SOFTBRAKE

SOFTBRAKE is a braking system that cushions the opening and/or closing of glass doors gently and quietly. Main advantage is that it acts during the final 10cm of travel to prevent the glass from impacting against the frame. The application can be fitted in guides mounted on walls or between partitions.

A patented two stage mechanism.

Firstly, a piston gently slows and stops the sliding door then the closing mechanism gently and quietly the door into the fully closed and open or both position. Mechanism acts only on the **last 10cm** of the doors travel, thereby protecting **the edge of the doors from striking the frame jamb** on either or both the **opening** and **closing cycles**.

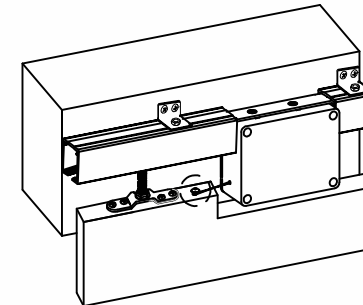
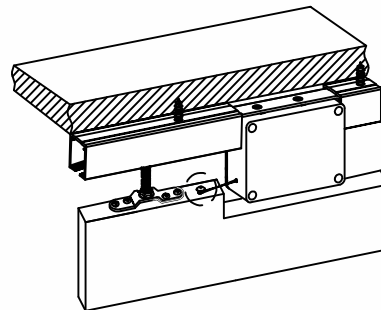
There are **two versions**, depending on customer requirements:

- **Simple SV/SF-Softbrake**, with a damping brake for door closing.
- **Double SV/SF-Softbrake**, with brakes on both sides for damping door opening and closing.

SV/SF-SOFTBRAKE braking system can be applied to MTB's **SV/SF-A60-SV/SF-A80 systems** and is suitable for panels of **8-10mm thick glass** weighing up to **80kg**, with a **vertical adjustment of up to 15mm** and a **horizontal adjustment of up to 6mm**.

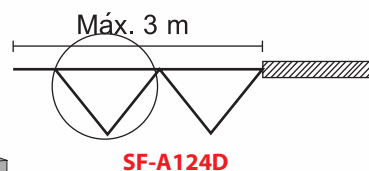
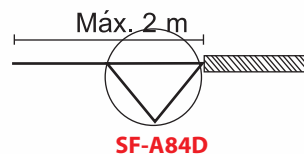
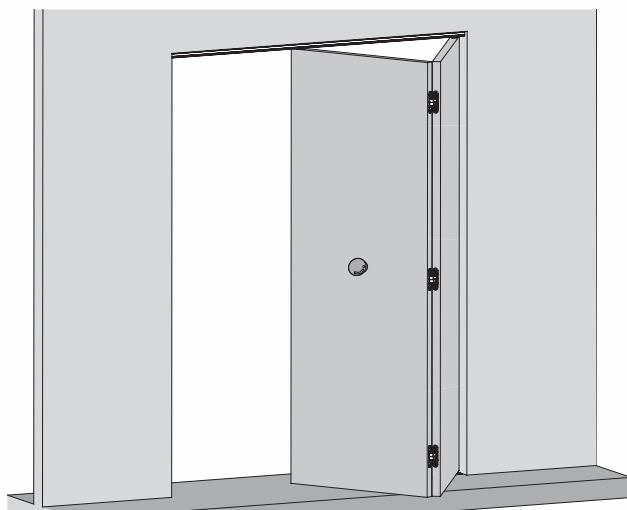


## Auto Mechanical Door Closer



Auto Mechanical Door Closer system from MTB combines its state of the art sliding door systems to automatically gently close the door. For the soft closing of the door it included the exclusive MTB softbrake roller damper system concealed in the track. Two installation possibilities can be chosen; assembly on wall and on ceiling.





**SF - A84 D** is a sliding hinged doors up to **80kg** per pair of panels, without bottom profile - a property that allows obstacle - free passage once the doors are opened, making it an ideal system for interior dividers.

This system makes it possible to close off spaces of up to **4 metres with four 1 metre panels** (max. size per panel) respectively - 2 to the right and 2 to the left. The system accepts door thickness from **35mm to 50mm**.

MTB has perfect solution ideal for providing frontal coverage, patio conversion by creating additional spaces for residential and office buildings. MTB systems is designed for problem-free operation even in adverse meteorological condition. This mechanism combines smooth sliding and folding with perfect architectural integrations, both when open and closed.

**SF - A61** slide system

**SF - A81** slide system

**SF - A126** slide system

**SF - A300** slide system

Ideal for timber and aluminium.

Easy installation.

Corrosion mechanism resistance.

**SF - A84D** bi-fold system (2 panels system)

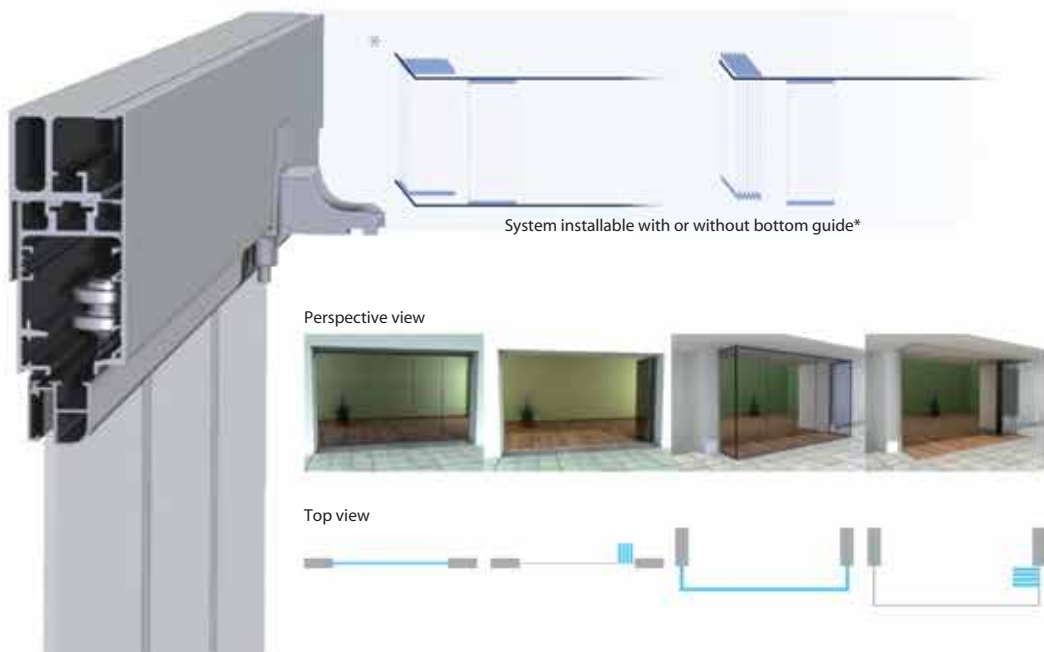
**SF - A124D** bi-fold system (4 panels system)

Install your flexible enclosure...

...indoors or outdoors (or combine both spaces with ease). At home or at work (or convert your home into an office). Divide spaces or combine them (and make very different activities compatible). Enclose an open space or open a closed one (and decide how to experience every moment). Flexible enclosures offer an endless array of installation possibilities tailor made to today's demand for new spaces.



## Parking Glass System SV-P40 The ideal solution for terraces and balconies



**SV-P40** is one of MTB's most practical and versatile mobile enclosures. It's a quickly manoeuvrable systems that allows spaces to be opened up or closed in very little time. The reliable and precise **SV-P40** mechanism is designed to be installed with ease in numerous spaces, especially in private homes and businesses.

### Key advantages

- System installable with or without bottom guide
- Mechanism bearings can be removed from the MTB guide
- Glass panels stack perpendicularly at the end of the MTB guide, in the stopping area (up to a 90° angle)
- Maximum water-tightness of the glass panels (with MTB original accessories)

### Technical specifications

- Maximum dimensions: up to 11.2m in width by 2.8m in height
- Up to 40 kilos of weight per glass panel
- Glass panels from 6 to 8mm thick
- System installable with or without bottom guide\*



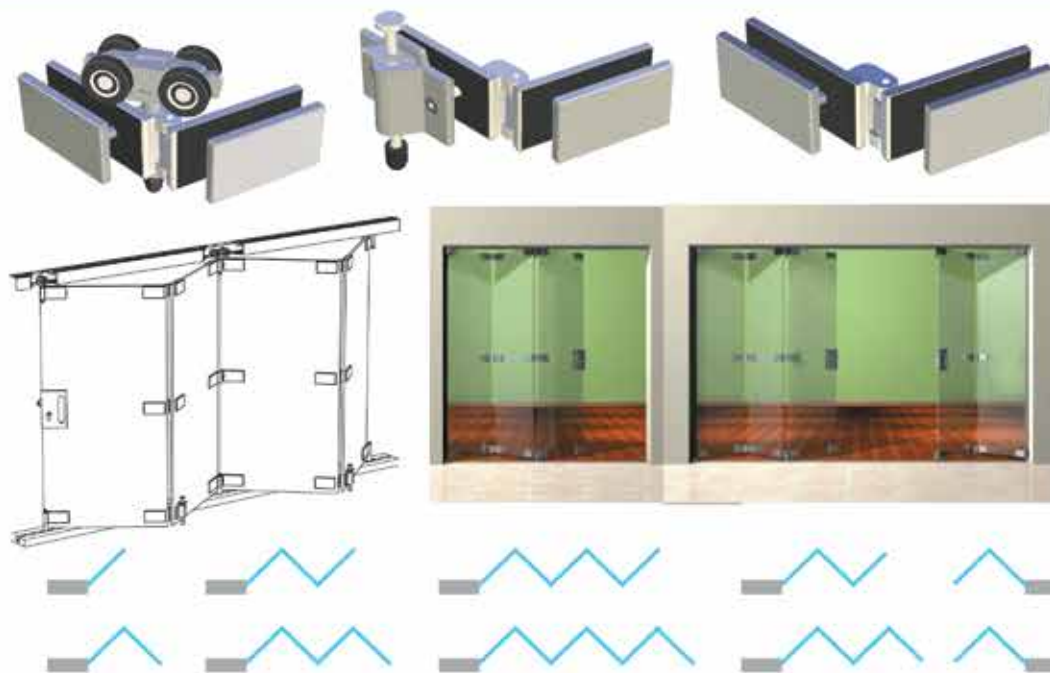


**PLICAT GLASS SYSTEM.** The folding door system for dividing or combining interior and exterior spaces



### SV-i100D

- Accordion-style system of folding tempered glass panels; allow all the panels to be moved at once.
- Maximum dimension up to **9m in width** by **2.65m in height**
- Up to **100kg of weight per pair** of glass panels.
- SV-i100 D: glass panels from **10 to 12mm thick**.





## PARKING SYSTEM FOR TIMBER / GLASS 150KG

### MTB SLIDE AND PARK SYSTEM FOR GLASS/TIMBER DOORS UP TO 150KG PER PANEL

Specially design for heavy duty operations. Ideal for commercial applications, shop front enclosure dividing large halls into small meeting rooms.

- Glass panel from 10 to 12mm thick.
- System installation without bottom guide; leaves no obstacles on the floor.
- Smooth sliding operations uses pulleys with high precision ball bearing.
- Flexible stacking solutions allows you to park the panels wherever you want, perpendicular or parallel to the installation.

### SF - P150 (Timber) / SV - P150 (Glass)



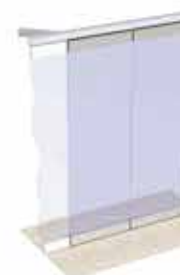
## PARKING SYSTEM FOR TIMBER / GLASS 250KG

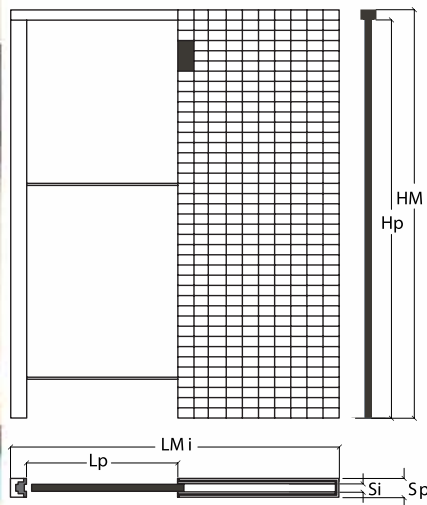
### MTB SLIDE AND PARK SYSTEM FOR GLASS/TIMBER DOORS UP TO 250KG PER PANEL

The flexible slide & stack system for both residential and commercial enclosure.

- System installation without bottom guide; leaves no obstacles on the floor.
- Smooth sliding operations uses pulleys with high precision ball bearing.
- Flexible stacking solutions allows you to park the panels wherever you want, perpendicular or parallel to the installation

### SF - P250 (Timber) / SV - P250 (Glass)





Accomodate sliding door  
up to **160kg**

	CLASSIC	EASY
Features	mainly used for standard partitions	without finishing kit
Partition Type	plaster plasterboard	plaster plasterboard
Applications	single leaf double leaf double single curve	single leaf double leaf
Overall partition Thickness (SP)	plaster 90/100/105/125mm	plaster 105/125/150mm
	plasterboard 100/125mm	plasterboard 125/150mm
Internal partition Thickness (SI)	plasterboard 55/70mm	plasterboard (58) 70mm
	plaster 55/70/85mm	plaster (58) 70mm
LP Passing width	single door 800/900/1000/1100*/1200* double door 1600/1800/2000/2200*/2400*	* special request * special request
HP Passing height	HM i - 90mm	
HM i occupied height	2100mm & 2400mm	
LM i max occupied width	(Lpx2) + 80mm	(Lpx2) + 125mm

## CLASSIC



**Vertical timber plaster / plasterboard batons**  
Positioned under the vertical steel bars which provide additional strength to the front edges of the metal pocket, these vertical timber batons provide a guide to ensure a perfectly aligned and smooth finish once the plaster/ plasterboard has been applied.



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Positioned under the vertical steel bars which provide additional strength to the front edges of the metal pocket, these vertical timber batons provide a guide to ensure a perfectly aligned and smooth finish once the plaster/ plasterboard has been applied.

**Easy fit top track**  
The top section of the metal pocket is shaped to enable the sliding track to simply slide into the structure easily where it is held firmly in place without the need for additional fixings.



**Metal pocket**  
Comprises a number of vertical interlocking steel sections which are either 100mm or 200mm in width, and zinc plated to prevent corrosion. At the points where the sections interlock the steel is triple thickness which gives the structure additional vertical strength to prevent distortion.

## EASY



**The finish**  
Whilst the essence of EASY is a flush finish with adjacent side walls etc., at the customer's request a narrow finishing kit (up to 15mm in depth/width) can be attached around the pocket door frame to give a different aesthetic affect.



**Aluminium profiles**  
Additional aluminium profiles are attached on both sides vertically at the mouth of the pocket, and on the opposite frame stop jamb and also horizontally to the head frame to provide a finishing guide for the plaster / plasterboard thereby ensuring a smooth and flush finish.



**The horizontal spacer bar**  
EASY comes complete with 2 horizontal spacer bars in reinforced tubular steel, which are fixed between the mouth of metal pocket and the opposite frame stop jamb to ensure perfect alignment during installation.