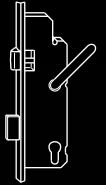




**UNITOP**

MULTIPOINT LOCK  
FOR BALCONY DOORS



Open, Close, Live

# A wide range of



UNITOP is a range of multipoint locks, ideal for French doors opening onto balconies or gardens. UNITOP locks can be installed on rebated doors of any size, with single or double sash, made of timber, PVC, aluminium/wood or a composite material.

The locking cams, arranged at different points on the forend, are moved to the closed position by lifting the handle, and can then be locked with the key.

Since the multipoint locking system holds the door in perfect alignment with the frame, no troublesome warping occurs.

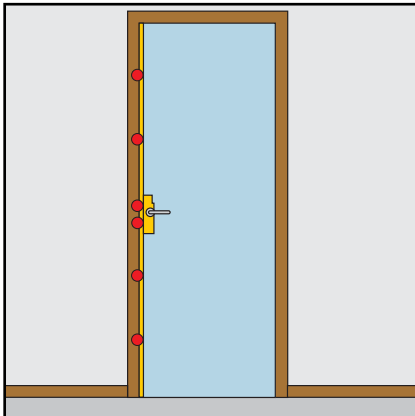




**UNITOP is a complete system of exceptionally functional and reliable locks, offering a wide range of solutions suitable for the various types of balcony doors:**

- locks with 25 to 55 mm backset and 85 or 92 mm centres
- 1600 to 2400 mm heights; an extension can be added for higher doors
- up to 7 locking points suitably arranged on the forend, with Poseidon, roller locking cams, hooks+cam.
- other locking elements at the ends

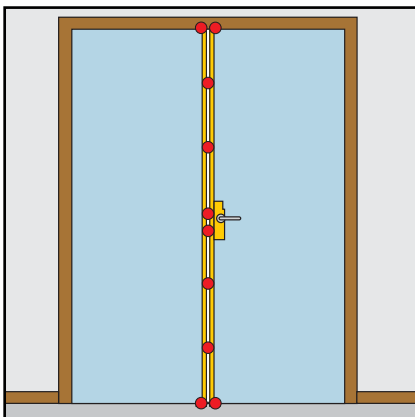
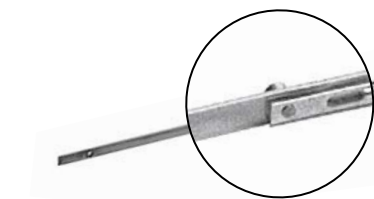
# ... to optimize every



## Single-sash doors

Using UNITOP without push rods. Central lock with spring latch or spring latch + bolt, depending on the model. Top and bottom locking on the front, with three or four locking points depending on the height of the sash, featuring adjustable roller-head locking cam, hook + locking cam or Poseidon.

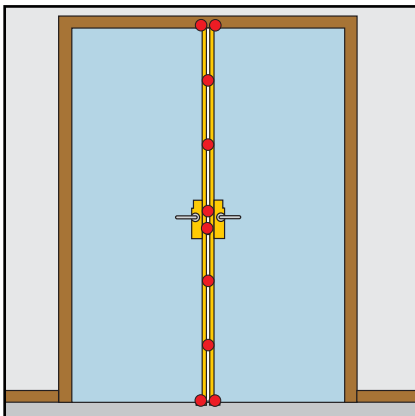
The number of locking points can be increased using the UNITOP models designed for the fitting of extensions, terminal elements with roller locking cams.



## Double-sash doors with a single lock

Using UNITOP with a trimmable end push rod or with terminal elements on the main sash. The secondary sash is locked with two bolts or with an extendible bolt. The lower section of the lock includes a push rod which can be substituted by other terminal elements.

Extensions, terminal elements or other locking devices can therefore be added without the use of reverse levers.



## Double-sash doors with two locks

A UNITOP lock is used on the main sash, with or without push rods.

On the secondary sash a UNITOP lock is installed, with a trimmable end push rod, without any locking elements on the forend, which acts like a bolt with cylinder. The handle of the secondary sash controls the top and bottom push rods, which can be locked with the key.

A dummy mullion to be installed on the secondary sash houses the strikes of the main sash.





## The central lock

The central lock controls the entire system.

A simple lifting of the handle secures all the locking points simultaneously. When the handle is lowered the spring latch retracts and, at the same time, the peripheral locking points are released, allowing the door to be opened.

The opening and closing movement is smooth and efficient, capable of offsetting with a minimum of effort any sash misalignment or resistance by particularly rigid seals.



## The cylinder

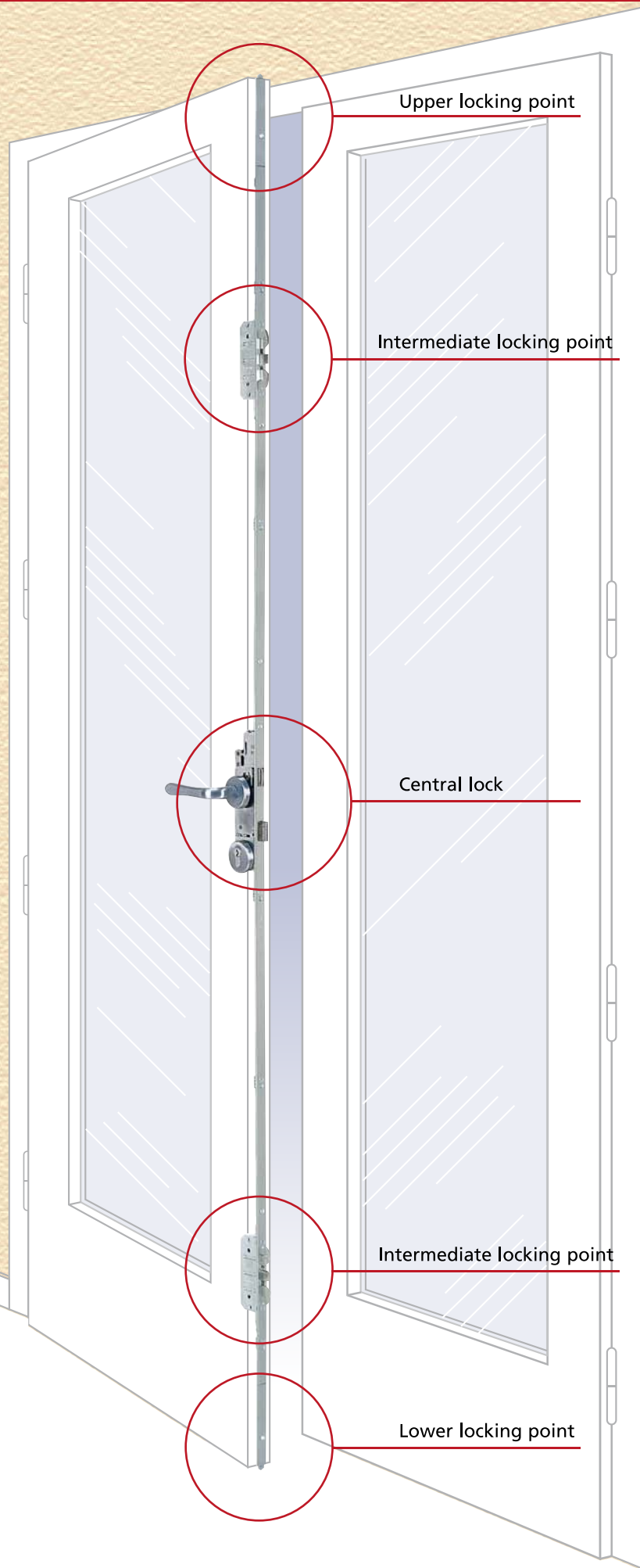
The lock is designed to house a standard European profile cylinder, such as the AGB SCUDO security cylinder. When the key is turned, the central lock and peripheral locking points are locked into position.

Locking is ensured even if, for whatever reason, the spring latch is not positioned correctly. To operate the spring latch, the handles must be installed on both sides of the door.



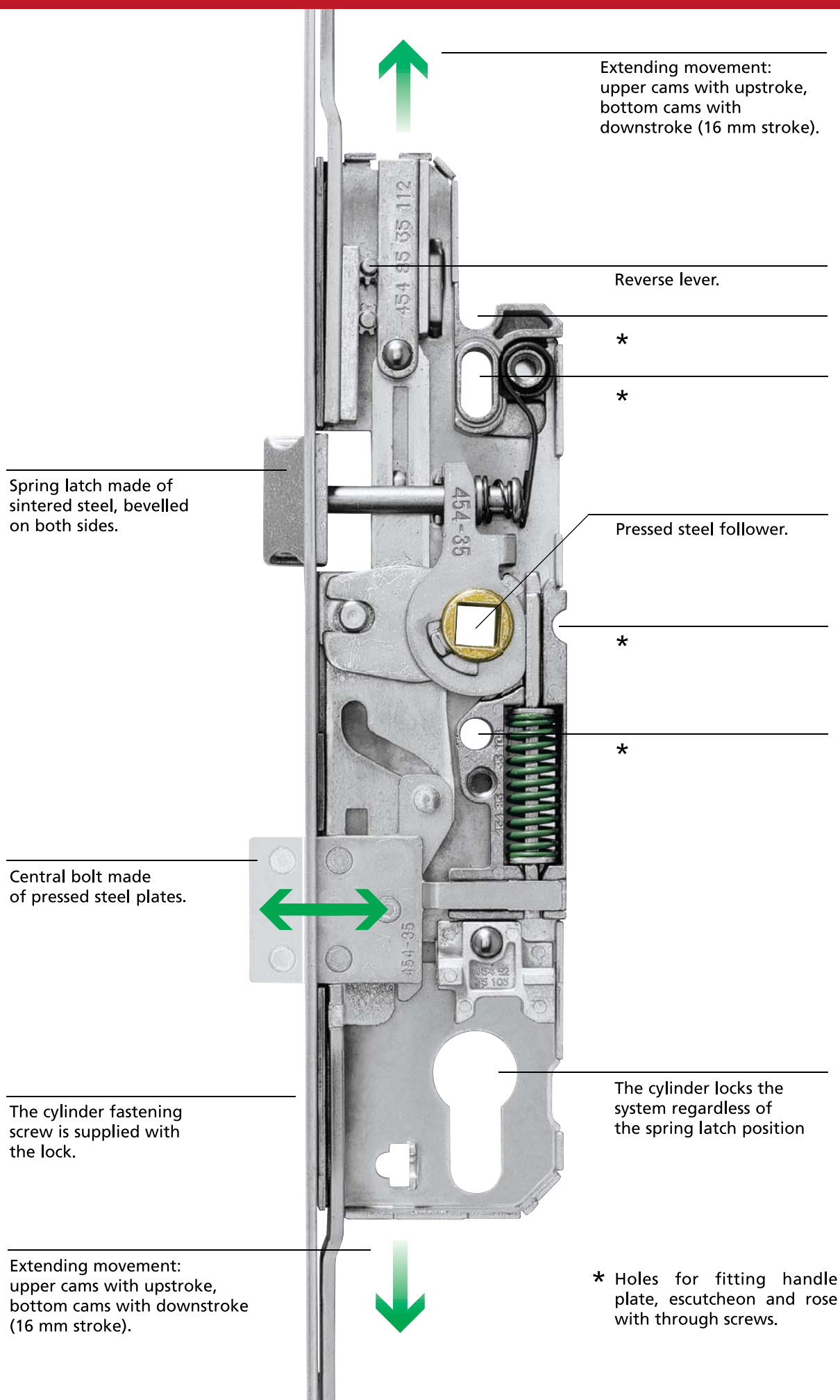
# The weak points of balcony doors are UNITOP's strong points

UNITOP





# Central lock



# Intermediate locks

## Poseidon

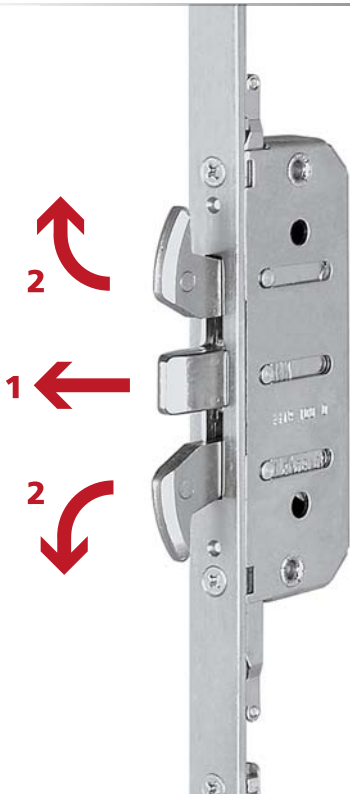
Patented locking point with central bolt and 2 opposite hooks. The lower and upper hooks close on opposite directions and avoid the unhinging of the door by means of lifting or removal of the rebate form the frame. The hooks and bolts are made of solid steel blades in order to guarantee maximum strength and security to the balcony door.

## Hook + cam

This is a double-device locking system which ensures high security and functionality for PVC doors. In the locking phase the roller-head cam moves first and, sliding inside the strike, aligns the sash with the frame perfectly. When the sash is aligned the hook slides out and locks the door.

## Roller cam

The locking cam mounted on the UNITOP systems is a sturdy element made of pressed steel. The revolving anti-friction brass jacket ensures the perfect and smooth sliding of the cam inside the striker. An eccentric device allows the sash to be pressure adjusted by means of a simple 4 mm Allen spanner. The stroke is 16 mm.



## Strikers

In addition to the strikers designed for wooden doors, steel strikers are also available for PVC doors. A complete set of profile dedicated dackers enables application of the strikers on all the most common profiles found on the market.







## The upper locking point

The UNITOP upper rod is available in three versions:

### ❶ Without shoot bolt

The rod does not feature a terminal end and can be trimmed to suit the height of the door. It is particularly suited for single sash doors.

### ❷ With shootbolt

The rear rod has a trimmable end which, sliding inside the strike, secures the door to the frame head jamb.

### ❸ With terminal elements

The rear rod can be trimmed to size and is designed for fitting an extension or a terminal element (supplied separately). The elements that can be connected to the rod are of various type: terminal elements with extendible push rod or with front locking cam.



## Lower locking point

The bottom end of the UNITOP multipoint lock is available in two versions:

### ❶ Without shoot bolt

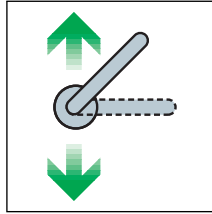
The rod does not feature a terminal end and can be trimmed to suit the height of the handle.

### ❷ With shoot bolt

The rod has an extendible trimmable end which secures the bottom of the door. Also in this case the rod can be trimmed to adjust the height of the handle or to link terminal elements (supplied separately) as in the case of the upper rod.



# UNITOP: Union of security and functionality

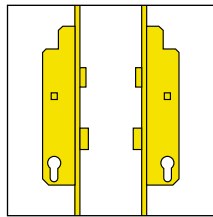


## Opposing rod movement

A reverse mechanism, contained in the lock case, allows the upper and lower rods to move in opposite directions. The reverse gear box commonly installed at the end of a rod is thus eliminated.

## Reversible self adjusting spring latch

The UNITOP self-adjusting spring latch is inclined and rounded on both sides. Thanks to its particular shape, it always guarantees a perfect closing of the door. To change a left handed lock into a right-handed one, all you need is a screwdriver.



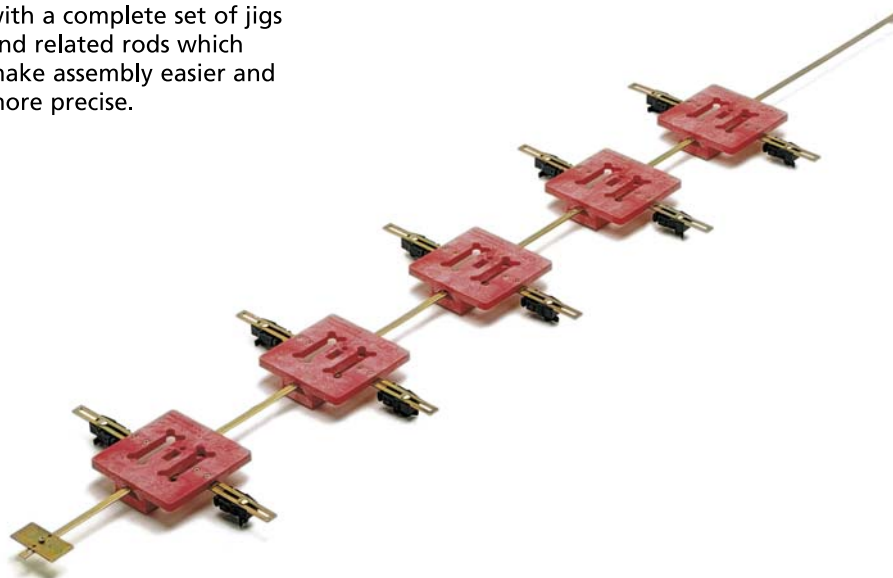
## An additional security

On some UNITOP models the lock case features, in addition to the spring latch, a central bolt controlled by the handle. This bolt is made of multiple layers of pressed steel plates.



## Jigs

Unitop can be supplied with a complete set of jigs and related rods which make assembly easier and more precise.



## AGB Service

Extensive and detailed assembly instructions are available for the Unitop system, as well as competent customer service.

Moreover, the AGB technicians are always ready to listen to your problems and offer solutions. All very good reasons to choose AGB.





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