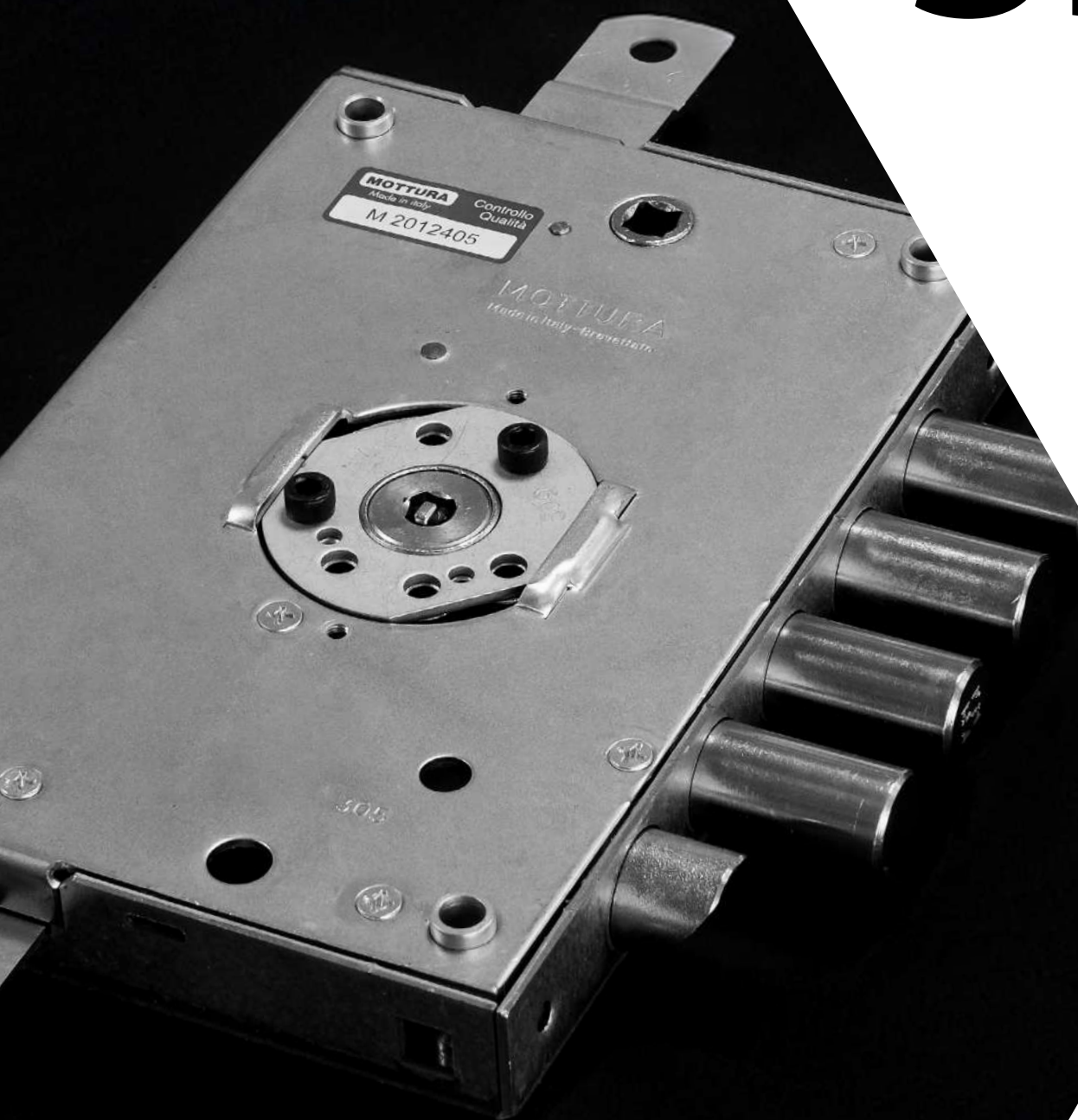


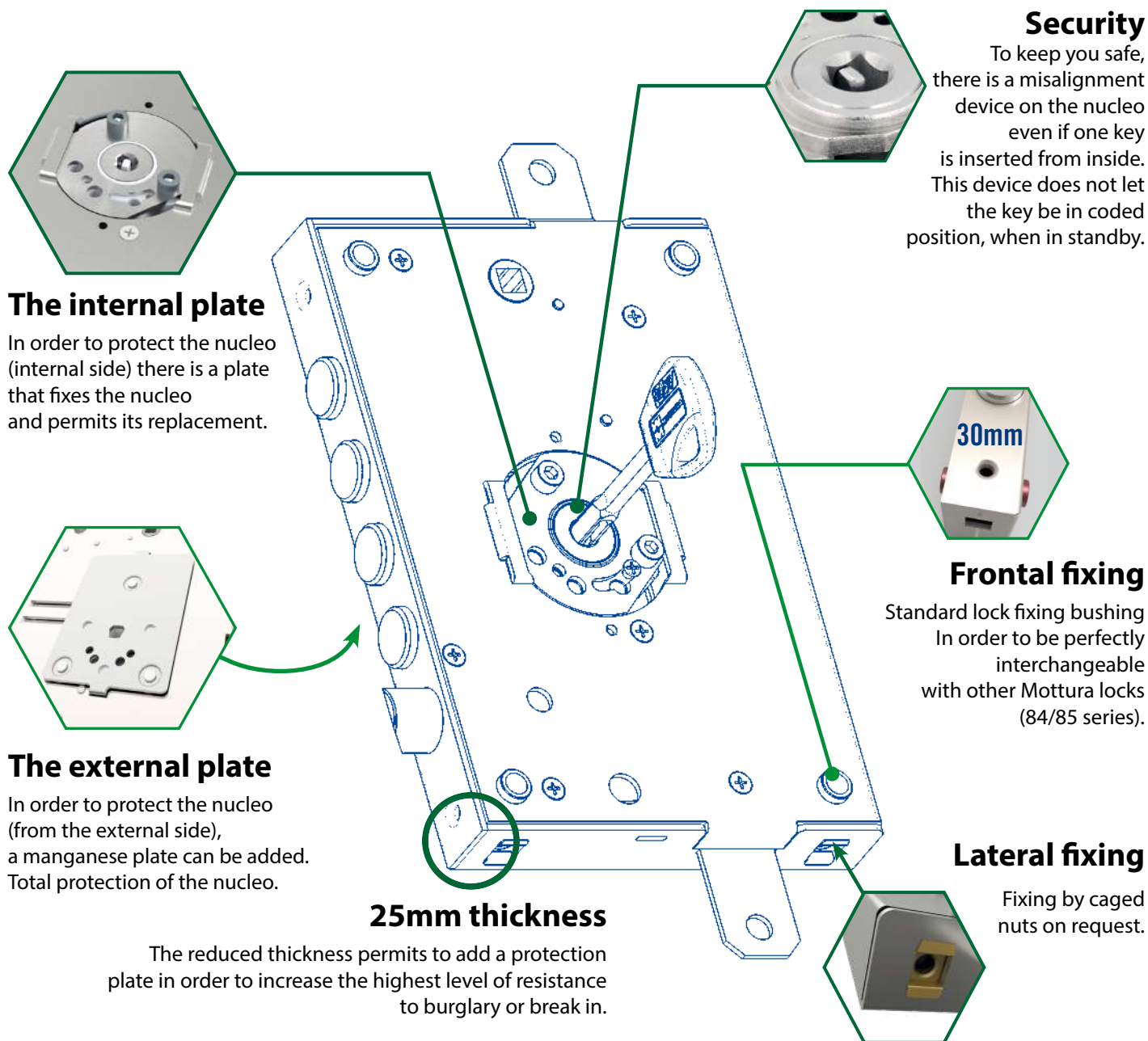
**3DKEY®  
LOCKS**

# 3D

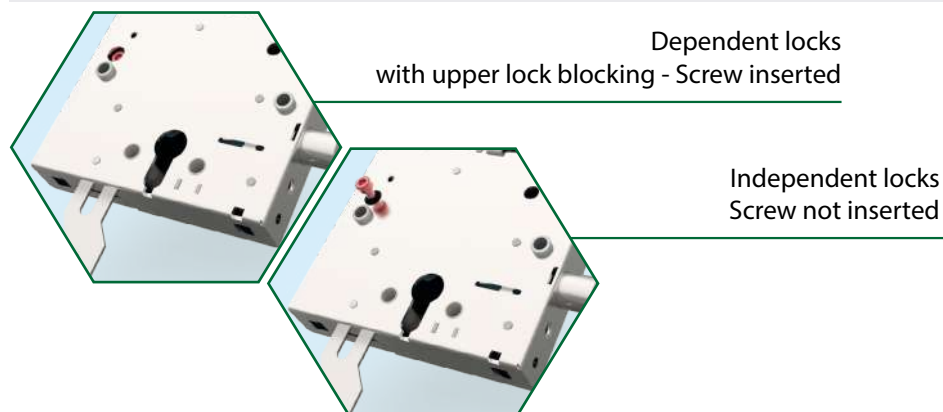


## THE LOCK

### A HIGH SECURITY GEAR LOCK FOR THE SMOOTHEST OPERATION



## Double "Multifuncional" locks, dependent or independent



A screw is inserted in each double "multifuncional" lock and it gives the final user the opportunity to turn the two closings (upper/lower) of the lock into dependent or independent, just by leaving them as they are (dependent) or by releasing such screw (independent) on the side of the lock.

They are configured as dependent, meaning that the upper lock is blocked by closing the lower lock.

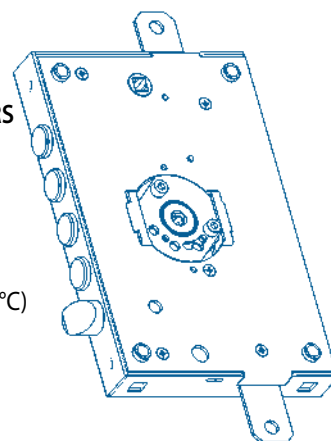
# THE CERTIFICATION

LOCK AND THE NUCLEO ARE CERTIFIED ACCORDING TO THE REFERENCE STANDARDS UNI EN 12209 AND UNI EN 1303

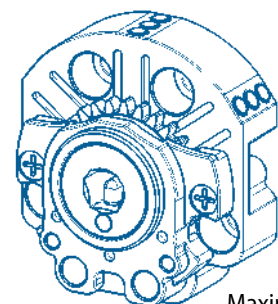


| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| 3 | X | 5 | B | 0 | G | 7 | 0 |

- CATEGORY OF USE**  
Highest grade achievable (for use by the public, public buildings)
- DURABILITY**  
Highest grade achievable (200.000 cycle with 120N force)  
**Tested for 600.000 cycles**
- DOOR MASS**  
Door mass 200 kg
- SUITABILITY FOR USE ON FIRE/SMOKE DOORS**  
Suitable for use on fire/smoke doors
- SAFETY (EN179-EN1125)**  
No requirements (safety)
- CORROSION RESISTANCE**  
Highest resistance to corrosion (240h) at the permanence in temperature (-20 ÷ +80 °C)
- SECURITY AND DRILL RESISTANCE**  
Highest resistance (equipped with plate in manganese steel). Required 10kN force.  
**Obtained 25 kN.**
- KEY IDENTIFICATION**  
No requirements

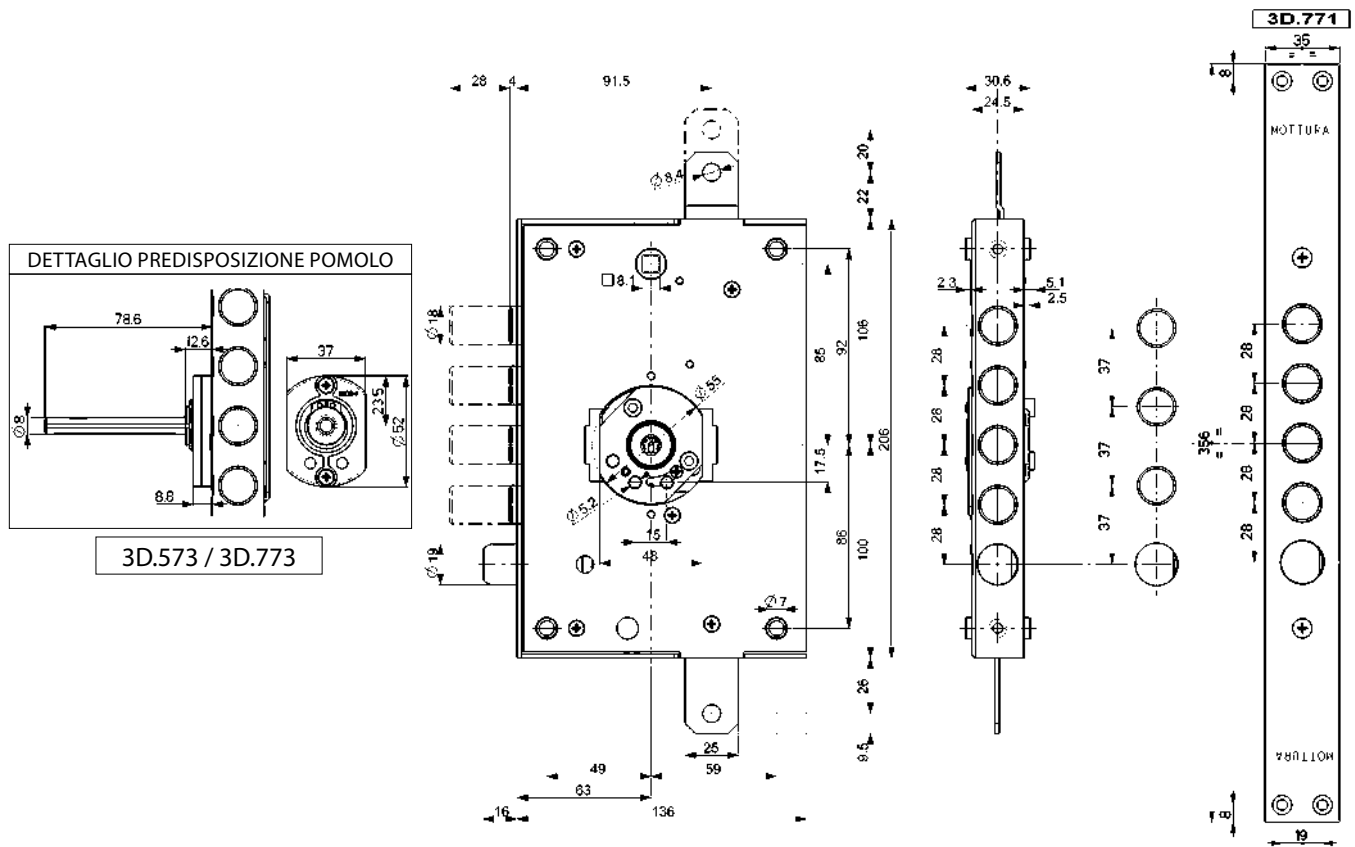


| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 6 | 0 | A | 0 | C | 6 | D | 0 | X  |



- CATEGORY OF USE**  
A single class characterized by the N.1
  - DURABILITY**  
Maximum resistance obtainable in duration testing (100.000 cycles)  
**Tested for 500.000 cycles**
  - DOOR MASS**  
No requirement requested
  - SUITABILITY FOR USE ON FIRE/SMOKE DOORS**  
Suitable for use on smoke/fire proof doors
  - SAFETY**  
No requirement requested, referring to the safety of persons (safety)
  - CORROSION RESISTANCE**  
Maximum classification, high resistance to corrosion (240h) and temperature from (-10 ÷ +60 °C)
  - KEY SECURITY**  
Maximum security obtainable (100.000 combinations)  
**The nucleo reaches 40.587.264 combinations**
  - SECURITY AND DRILL RESISTANCE**  
5/10 minutes of resistance to drilling/mechanical forcing  
**Tested with Widia tips.**
  - Resistance to "picking"**
  - Resistance to "bumping"**
- Grade X for the constructive characteristics of the product.**

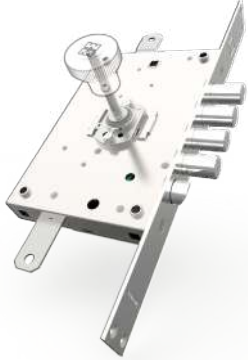




Folding key  
art. 92353



| RIM LOCK                                                                          |                                                                                         |  | MORTISE TYPE                                                                        |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <b>3D.571</b>                                                                                                                                                            | <b>3D.771</b>                                                                      |  |
|                                                                                   | 3 keys                                                                                                                                                                   |                                                                                    |                                                                                     |
|                                                                                   | 1 folding keys + 2 keys                                                                                                                                                  |                                                                                    |                                                                                     |
|                                                                                   | 5 keys                                                                                                                                                                   |                                                                                    |                                                                                     |
|                                                                                   | 1 folding keys + 4 keys                                                                                                                                                  |                                                                                    |                                                                                     |
|                                                                                   | <b>Three-point</b> with latchbolt Ø 19 operated by key and handle square q 8.<br><b>Nucleo included.</b><br><b>Reversible latchbolt</b><br>Accessories are not included. |                                                                                    |                                                                                     |

|                                                                                   |                                                                                                                                                                                                                  |               |                                                                                     |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|
|  | <b>3D.573</b>                                                                                                                                                                                                    | <b>3D.773</b> |  |
|                                                                                   | 3 keys                                                                                                                                                                                                           |               |                                                                                     |
|                                                                                   | 1 folding keys + 2 keys                                                                                                                                                                                          |               |                                                                                     |
|                                                                                   | 5 keys                                                                                                                                                                                                           |               |                                                                                     |
|                                                                                   | 1 folding keys + 4 keys                                                                                                                                                                                          |               |                                                                                     |
|                                                                                   | <b>Three-point</b> with latchbolt Ø 19 operated by key/knob and handle square q 8.<br><b>Nucleo with knob provision included.</b><br><b>Reversible latchbolt</b><br>Knob and other accessories are not included. |               |                                                                                     |



**SET-RESET** - Enables and disables the service key on the nucleo.

n°1 key  
ACTIVATION KEY

+

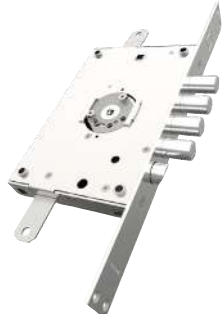
n°1 key  
DEACTIVATION KEY

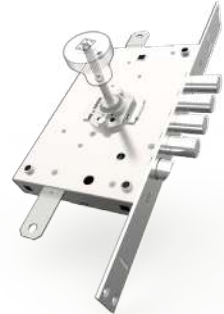
+

n°3/5 keys  
MASTER KEYS

+

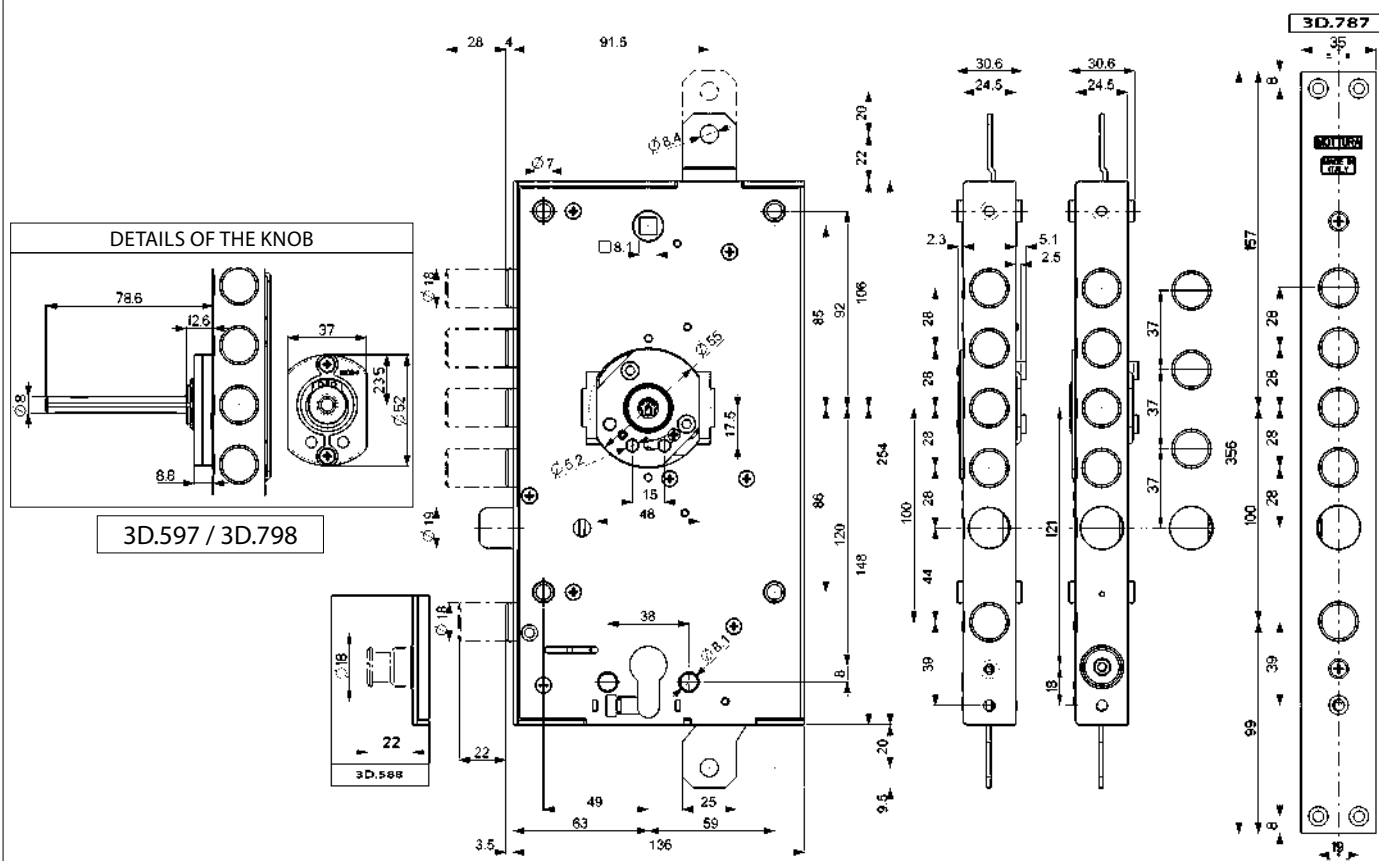
n°1 key  
SERVICE KEYS

|                                                                                     |                                                                                                                                                                                                                                                                                     |                   |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|
|  | <b>3D.571..A.</b>                                                                                                                                                                                                                                                                   | <b>3D.771..A.</b> |  |
|                                                                                     | 3 master keys (Art. ...A1)                                                                                                                                                                                                                                                          |                   |                                                                                       |
|                                                                                     | 5 master keys (Art. ...A2)                                                                                                                                                                                                                                                          |                   |                                                                                       |
|                                                                                     | <b>Three-point</b> with latchbolt Ø 19 operated by key and handle square q 8.<br><b>Set/Reset</b> nucleo included. <b>Reversible latchbolt</b><br>Key supplied:<br>• 1 activation key + 1 deactivation key<br>• 3/5 master keys<br>• 1 service key<br>Accessories are not included. |                   |                                                                                       |

|                                                                                     |                                                                                                                                                                                                                                                                                                         |                   |                                                                                       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|
|  | <b>3D.573..A.</b>                                                                                                                                                                                                                                                                                       | <b>3D.773..A.</b> |  |
|                                                                                     | 3 master keys (Art. ...A1)                                                                                                                                                                                                                                                                              |                   |                                                                                       |
|                                                                                     | 5 master keys (Art. ...A2)                                                                                                                                                                                                                                                                              |                   |                                                                                       |
|                                                                                     | <b>Three-point</b> with latchbolt Ø 19 operated by key and handle square q 8.<br><b>Set/Reset</b> nucleo with knob provision included. <b>Reversible latchbolt</b><br>Key supplied:<br>• 1 activation key + 1 deactivation key<br>• 3/5 master keys<br>• 1 service key<br>Accessories are not included. |                   |                                                                                       |

|                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MASTER KEY SYSTEM</b> |  | <b>Nucleo with construction key</b> - The first key (A, with red insert) is used during construction works. When they are over, this key is replaced by another set of keys (B, with yellow insert) that excludes the previous key by modifying the key coding.                                                                                         |
|                          |  | <b>Keyed alike KA</b> - System composed of several locks/nucleo with the same code that can be opened with the same key.                                                                                                                                                                                                                                |
|                          |  | <b>Nucleo with Vario system</b> - The nucleo is equipped with 3 types of keys (A, B, C): each of them has a different coding and it is sealed separately. In case of loss or theft of the A-type key, it is enough to insert in the nucleo the B-type key, that will exclude automatically the first key. The same thing will happen master key system. |

## 3D.587



### General characteristics

#### Multifunction lock with European cylinder

Variation in centre distance: ....28 - ....37

- Side (lower lock with European cylinder) and three-point (upper lock)
- Key and handle backset 63 mm
- Bar travel 20 mm
- Round bolts Ø 18 mm with 28 mm travel for upper lock
- Standard with rotation marker
- Round bolt Ø 18 mm with 22 mm travel for lower lock
- All articles are supplied left and right (please specify in the order).

On request the locks can be supplied with 3/5 keys:

- 20 mm key stem art. 92350
- 30 mm key stem art. 92351
- 40 mm key stem art. 92352

#### Other options

- 60 mm folding key stem art. 92353

#### Accessories

- Plate for key socket art. 99108
- Internal and external key socket art. 99110



Art.99108



Art.99110



20 mm, Art. 92350



30 mm, Art. 92351



40 mm, Art. 92352



Folding key  
art. 92353



## SUPPLIED

Security locks with  
block lever on deadbolts



## ON REQUEST

Security locks with block lever  
on deadbolts and certification

### Dependent/independent locks

Dependent locks with upper lock  
blocking - Screw inserted



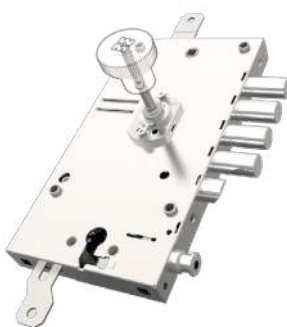
Independent locks  
Screw not inserted



| RIM LOCK                                                                          |                                                                                                                                                                                                                                                                |  | MORTISE TYPE                                                                        |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <b>3D.587</b>                                                                                                                                                                                                                                                                                                                                   | <b>3D.787</b>                                                                      |  |
|                                                                                   | 3 keys                                                                                                                                                                                                                                                                                                                                          |                                                                                    |                                                                                     |
|                                                                                   | 1 folding key + 2 keys                                                                                                                                                                                                                                                                                                                          |                                                                                    |                                                                                     |
|                                                                                   | 5 keys                                                                                                                                                                                                                                                                                                                                          |                                                                                    |                                                                                     |
|                                                                                   | 1 folding key + 4 keys                                                                                                                                                                                                                                                                                                                          |                                                                                    |                                                                                     |
|                                                                                   | <b>Three-point</b> with 19mm Ø latchbolt activated by key and q 8 handle square.<br>Nucleo included - <b>Reversible latchbolt</b><br>Lower lock <b>side</b> activates latchbolt and upper lock blocking.<br>Cylinders, reinforcements and other accessories are not included.<br>Locks can be dependent (with upper lock block) or independent. |                                                                                    |                                                                                     |

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                                                                     |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|
|  | <b>3D.588</b>                                                                                                                                                                                                                                                                                                                                                                                        | <b>3D.788</b> |  |
|                                                                                   | 3 keys                                                                                                                                                                                                                                                                                                                                                                                               |               |                                                                                     |
|                                                                                   | 1 folding key + 2 keys                                                                                                                                                                                                                                                                                                                                                                               |               |                                                                                     |
|                                                                                   | 5 keys                                                                                                                                                                                                                                                                                                                                                                                               |               |                                                                                     |
|                                                                                   | 1 folding key + 4 keys                                                                                                                                                                                                                                                                                                                                                                               |               |                                                                                     |
|                                                                                   | <b>Three-point - Independent half-opening and nightlatch</b><br>19mm Ø latchbolt activated by key and q 8 handle square.<br>Nucleo included - <b>Reversible latchbolt</b><br>Lower lock <b>side</b> activates latchbolt, nightlatch and upper lock blocking..<br>Cylinders, reinforcements and other accessories are not included.<br>Locks can be dependent (with upper lock block) or independent. |               |                                                                                     |

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                                                                       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------|
|  | <b>3D.597</b>                                                                                                                                                                                                                                                                                                                                                                                     | <b>3D.797</b> |  |
|                                                                                     | 3 keys                                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
|                                                                                     | 1 folding key + 2 keys                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
|                                                                                     | 5 keys                                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
|                                                                                     | 1 folding key + 4 keys                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
|                                                                                     | <b>Three-point</b> with 19mm Ø latchbolt activated by external key, internal knob and q 8 handle square.<br>Nucleo with <b>knob provision included - Reversible latchbolt</b><br>Lower lock <b>side</b> activates latchbolt and upper lock blocking.<br>Knob, cylinders, reinforcements and other accessories are not included.<br>Locks can be dependent (with upper lock block) or independent. |               |                                                                                       |

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                                                                       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------|
|  | <b>3D.598</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>3D.798</b> |  |
|                                                                                     | 3 keys                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
|                                                                                     | 1 folding key + 2 keys                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
|                                                                                     | 5 keys                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
|                                                                                     | 1 folding key + 4 keys                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
|                                                                                     | <b>Three-point - Independent half-opening and nightlatch</b><br>Latchbolt Ø 19 operated by external key, internal knob and handle square q8.<br>Nucleo with <b>knob provision included - Reversible latchbolt</b><br>Lower lock <b>side</b> activates latchbolt, nightlatch and upper lock blocking.<br>Knob, cylinders, reinforcements and other accessories are not included.<br>Locks can be dependent (with upper lock block) or independent. |               |                                                                                       |

## MASTER KEY SYSTEM



SET-RESET NUCLEO



NUCLEO WITH CONSTRUCTION KEY



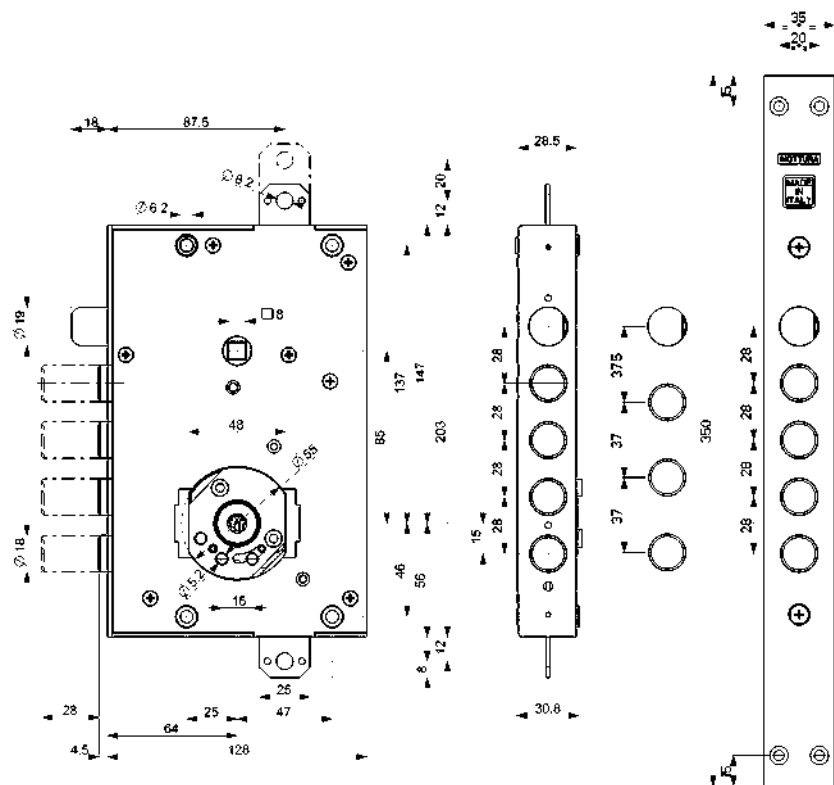
KEYED ALIKE KA SYSTEM



NUCLEO WITH VARIO SYSTEM

It is recommended to use  
Champions® security cylinders





| RIM LOCK                                                                          |                                                                                         |  | MORTISE TYPE                                                                        |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <b>3D.515</b>                                                                                                                                                            | <b>3D.535</b>                                                                      |  |
|                                                                                   | 3 keys                                                                                                                                                                   |                                                                                    |                                                                                     |
|                                                                                   | 1 folding key + 2 keys                                                                                                                                                   |                                                                                    |                                                                                     |
|                                                                                   | 5 keys                                                                                                                                                                   |                                                                                    |                                                                                     |
|                                                                                   | 1 folding key + 4 keys                                                                                                                                                   |                                                                                    |                                                                                     |
|                                                                                   | <b>Three-point</b> with latchbolt Ø 19 operated by key and handle square q 8.<br><b>Nucleo</b> included.<br><b>Reversible latchbolt</b><br>Accessories are not included. |                                                                                    |                                                                                     |

|                                                                                   |                                                                                                                                                                                                                  |               |                                                                                     |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|
|  | <b>3D.517</b>                                                                                                                                                                                                    | <b>3D.537</b> |  |
|                                                                                   | 3 keys                                                                                                                                                                                                           |               |                                                                                     |
|                                                                                   | 1 folding key + 2 keys                                                                                                                                                                                           |               |                                                                                     |
|                                                                                   | 5 keys                                                                                                                                                                                                           |               |                                                                                     |
|                                                                                   | 1 folding key + 4 keys                                                                                                                                                                                           |               |                                                                                     |
|                                                                                   | <b>Three-point</b> with latchbolt Ø 19 operated by key/knob and handle square q 8.<br><b>Nucleo</b> with knob provision included.<br><b>Reversible latchbolt</b><br>Knob and other accessories are not included. |               |                                                                                     |

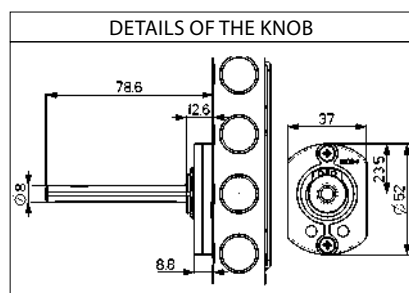


|                                                                                     |                                                                                                                                                                                                                                                                                      |                   |                                                                                       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|
|  | <b>3D.515..A.</b>                                                                                                                                                                                                                                                                    | <b>3D.535..A.</b> |  |
|                                                                                     | 3 master keys (Art. ...A1)                                                                                                                                                                                                                                                           |                   |                                                                                       |
|                                                                                     | 5 master keys (Art. ...A2)                                                                                                                                                                                                                                                           |                   |                                                                                       |
|                                                                                     | <b>Three-point</b> with latchbolt Ø 19 operated by key and handle square q 8.<br><b>Set/Reset</b> nucleo included. <b>Reversible latchbolt</b><br>Key supplied:<br>• 1 activation key + 1 deactivation key<br>• 3/5 master keys<br>• 1 service keys<br>Accessories are not included. |                   |                                                                                       |

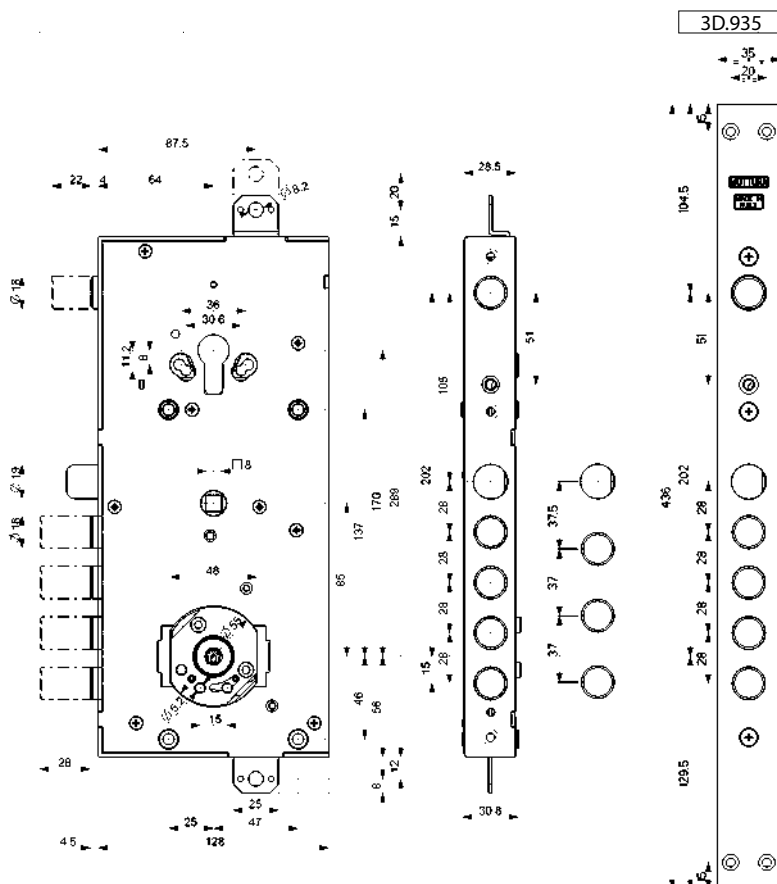
|                                                                                     |                                                                                                                                                                                                                                                                                                          |                   |                                                                                       |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|
|  | <b>3D.517..A.</b>                                                                                                                                                                                                                                                                                        | <b>3D.537..A.</b> |  |
|                                                                                     | 3 master keys (Art. ...A1)                                                                                                                                                                                                                                                                               |                   |                                                                                       |
|                                                                                     | 5 master keys (Art. ...A2)                                                                                                                                                                                                                                                                               |                   |                                                                                       |
|                                                                                     | <b>Three-point</b> with latchbolt Ø 19 operated by key and handle square q 8.<br><b>Set/Reset</b> nucleo with knob provision included. <b>Reversible latchbolt</b><br>Key supplied:<br>• 1 activation key + 1 deactivation key<br>• 3/5 master keys<br>• 1 service keys<br>Accessories are not included. |                   |                                                                                       |

|                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MASTER KEY SYSTEM</b> |  | <b>Nucleo with construction key</b> - The first key (A, with red insert) is used during construction works. When they are over, this key is replaced by another set of keys (B, with yellow insert) that excludes the previous key by modifying the key coding.                                                                                                                                     |
|                          |  | <b>Keyed alike KA</b> - System composed of several locks/nucleo with the same code that can be opened with the same key.                                                                                                                                                                                                                                                                            |
|                          |  | <b>Nucleo with Vario system</b> - The nucleo is equipped with 3 types of keys (A, B, C): each of them has a different coding and it is sealed separately. In case of loss or theft of the A-type key, it is enough to insert in the nucleo the B-type key, that will exclude automatically the first key. The same thing will happen master key system for C-type key that will disable B-type key. |

## 3D.915



3D.925 / 3D.947



### General characteristics

#### Multifunction lock with European cylinder

##### Variation in centre distance: ..../28 - ..../37

- Side (upper lock with European cylinder) and three-point (lower lock)
- Key and handle backset 64 mm
- Bar travel 20 mm
- Round bolts Ø 18 mm with 28 mm travel for lower lock
- Standard with rotation marker
- Round bolt Ø 18 mm with 22 mm travel for upper lock
- All articles are supplied left and right (please specify in the order).

On request the locks can be supplied with 3/5 keys:

- 20 mm key stem art. 92350
- 30 mm key stem art. 92351
- 40 mm key stem art. 92352

#### Other options

- 60 mm folding key stem art. 92353

#### Accessories

- Plate for key socket art. 99108
- internal and external key socket art. 99110



Art.99108



Art.99110



20 mm, Art. 92350



30 mm, Art. 92351



40 mm, Art. 92352



Folding key  
art. 92353



## SUPPLIED

Security locks with  
block lever on deadbolts



## ON REQUEST

Security locks with block lever  
on deadbolts and certification

### Dependent/independent locks

Dependent locks with upper lock  
blocking - Screw inserted

Independent locks  
Screw not inserted



| RIM LOCK                                                                          |                                                                                                                                                                                                                                                                           |  | MORTISE TYPE                                                                        |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 3D.915                                                                                                                                                                                                                                                                                                                                                     | 3D.935                                                                             |  |
|                                                                                   | 3 keys                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |                                                                                     |
|                                                                                   | 1 folding key + 2 keys                                                                                                                                                                                                                                                                                                                                     |                                                                                    |                                                                                     |
|                                                                                   | 5 keys                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |                                                                                     |
|                                                                                   | 1 folding key + 4 keys                                                                                                                                                                                                                                                                                                                                     |                                                                                    |                                                                                     |
|                                                                                   | <p><b>Three-point</b> with 19mm Ø latchbolt activated by key and q 8 handle square.<br/>Nucleo included - <b>Reversible latchbolt</b><br/>Upper lock <b>side</b> activates latchbolt and lower lock blocking.<br/>Cylinders, reinforcements and other accessories are not included.<br/>Locks can be dependent (with lower lock block) or independent.</p> |                                                                                    |                                                                                     |

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|
|  | <b>3D.917</b>                                                                                                                                                                                                                                                                                                                                                                                                   | <b>3D.937</b> |  |
|                                                                                   | 3 keys                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                                                     |
|                                                                                   | 1 folding key + 2 keys                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                                                     |
|                                                                                   | 5 keys                                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                                                     |
|                                                                                   | 1 folding key + 4 keys                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                                                     |
|                                                                                   | <p><b>Three-point - Independent half-opening and nightlatch</b><br/>19mm Ø latchbolt activated by key and q 8 handle square.<br/>Nucleo included - <b>Reversible latchbolt</b><br/>Upper lock <b>side</b> activates latchbolt, nightlatch and lower lock blocking.<br/>Cylinders, reinforcements and other accessories are not included.<br/>Locks can be dependent (with lower lock block) or independent.</p> |               |                                                                                     |

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                   |               |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------|
|  | <b>3D.925</b>                                                                                                                                                                                                                                                                                                                                                                                                     | <b>3D.945</b> |  |
|                                                                                     | 3 keys                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
|                                                                                     | 1 folding key + 2 keys                                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
|                                                                                     | 5 keys                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
|                                                                                     | 1 folding key + 4 keys                                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
|                                                                                     | <p><b>Three-point</b> with 19mm Ø latchbolt activated by external key, internal knob and q 8 handle square.</p> <p>Nucleo with <b>knob provision included - Reversible latchbolt</b></p> <p>Upper lock side activates latchbolt and lower lock blocking.</p> <p>Knob, cylinders, reinforcements and other accessories are not included.</p> <p>Locks can be dependent (with lower lock block) or independent.</p> |               |                                                                                       |

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                                                                       |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------|
|  | <b>3D.927</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>3D.947</b> |  |
|                                                                                     | 3 keys                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                                                                       |
|                                                                                     | 1 folding key + 2 keys                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                                                                       |
|                                                                                     | 5 keys                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                                                                       |
|                                                                                     | 1 folding key + 4 keys                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                                                                       |
|                                                                                     | <p><b>Three-point - Independent half-opening and nightlatch</b><br/>Latchbolt Ø 19 operated by external key, internal knob and handle square q 8.<br/>Nucleo with <b>knob provision included - Reversible latchbolt</b><br/>Upper lock <b>side</b> activates latchbolt, nightlatch and lower lock blocking.<br/>Knob, cylinders, reinforcements and other accessories are not included.<br/>Locks can be dependent (with lower lock block) or independent.</p> |               |                                                                                       |

## MASTER KEY SYSTEM



SET-RESET NUCLEO



NUCLEO WITH CONSTRUCTION KEY



KEYED ALIKE KA SYSTEM

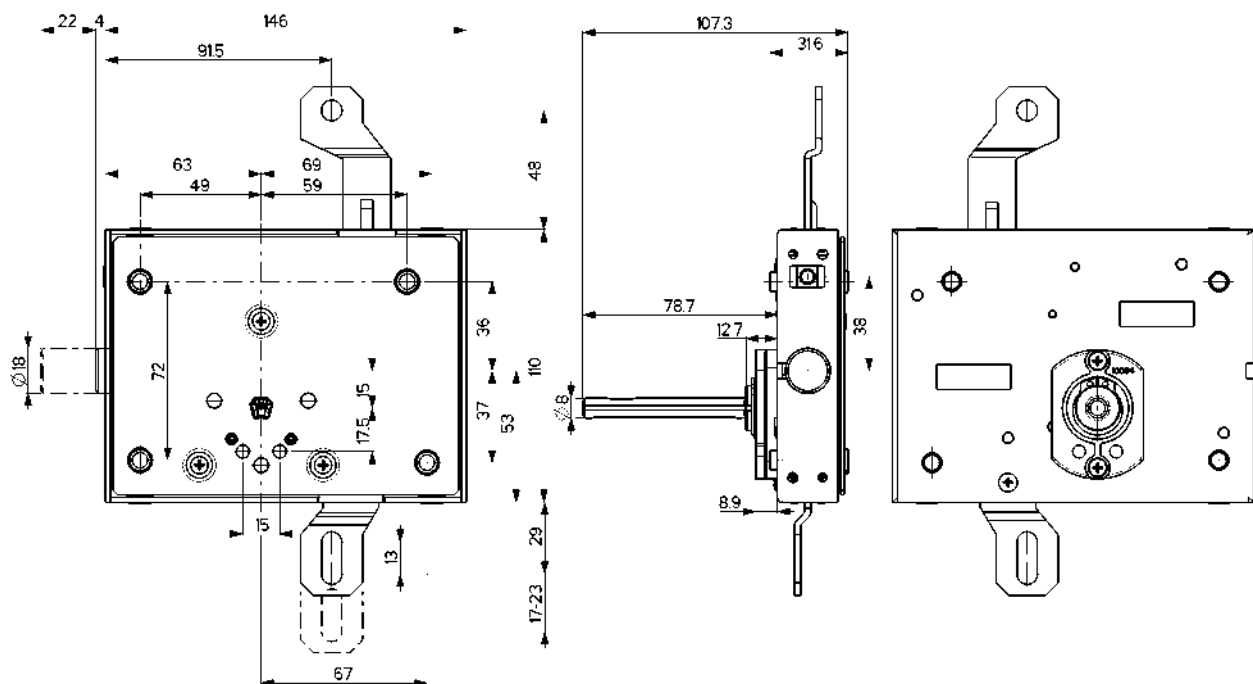


NUCLEO WITH VARIO SYSTEM

It is recommended to use  
Champions® security cylinders



## 3D.258



### General characteristics

#### Astablock® 3DKey®

Additional security locking for any armoured doors lock, with bar travel between 17 and 23 mm

- Vertical locking (art. 3D.257)
- Vertical and side locking (art. 3D.258)
- Backset mm 63
- Bar travel mm 17/23
- Double lock fixing system (front and side attachment)
- All items are supplied right-hand and left-hand, upper (specify in the order)
- Supplied with n°2 bar connection pin art. 99197

On request the locks can be supplied with 3/5 keys:

- 20 mm key stem art. 92350
- 30 mm key stem art. 92351
- 40 mm key stem art. 92352

Other options

- 60 mm folding key stem art. 923533

#### Accessories

- Plate for key socket art. 99108
- Internal and external key socket art. 99110



Art. 99108



Art. 99110



20 mm, Art. 92350



30 mm, Art. 92351



40 mm, Art. 92352


Folding key  
art. 92353

### EXTERNAL PLATE

To protect the nucleo on the outside is present a manganese plate.



### DOUBLE FIXING SYSTEM

On the lock they are present n° 4 front connections (bushings) and 5 lateral connections.

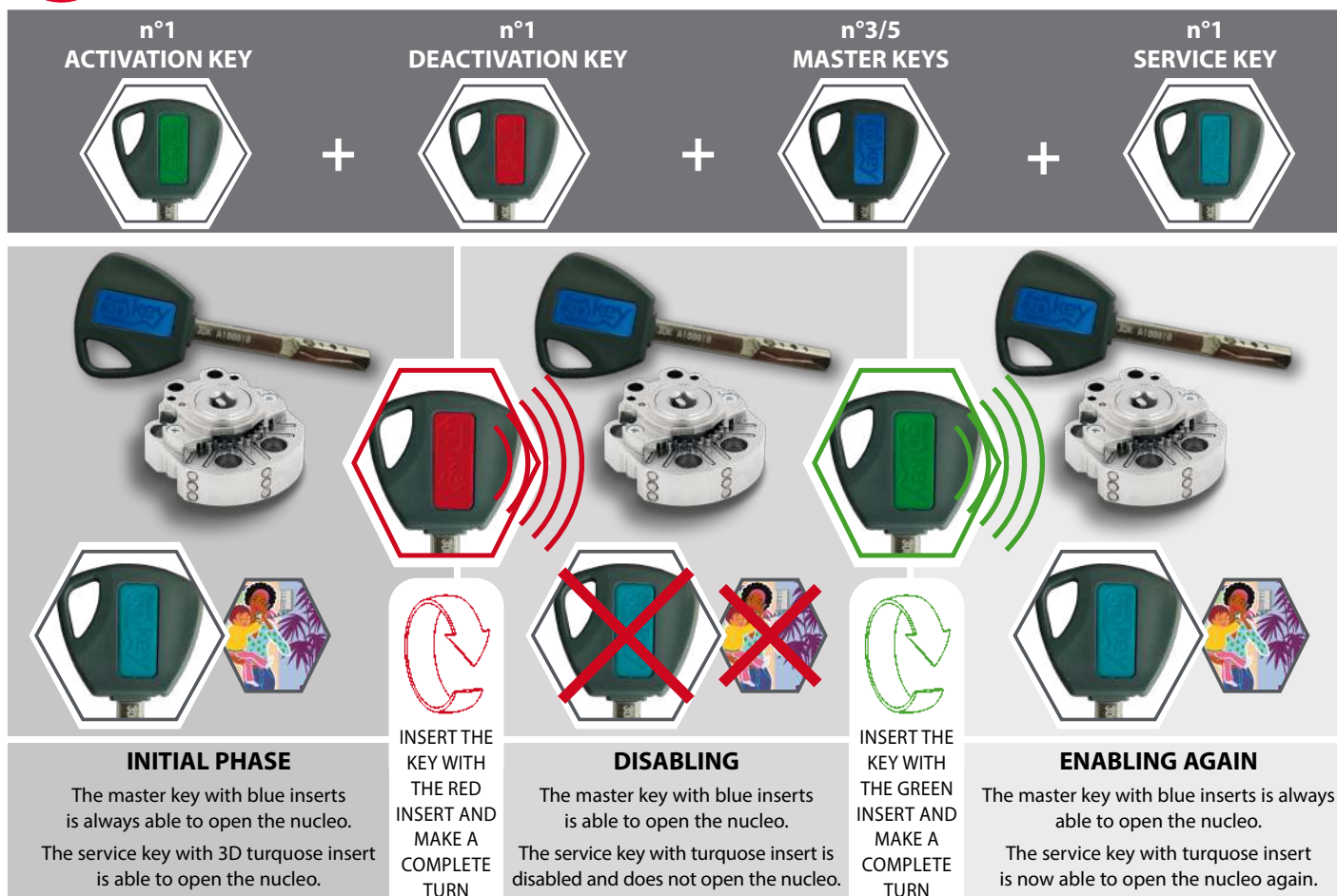


| RIM LOCK                                                                          |                                                                                                                          |  |  |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--|--|
|  | <b>3D.257A</b>                                                                                                           |  |  |
|                                                                                   | 3 keys                                                                                                                   |  |  |
|                                                                                   | 5 keys                                                                                                                   |  |  |
|                                                                                   | <b>Vertical locking</b><br>Nucleo with knob provision included.<br>Bars not included.                                    |  |  |
|  | <b>3D.258A</b>                                                                                                           |  |  |
|                                                                                   | 3 keys                                                                                                                   |  |  |
|                                                                                   | 5 keys                                                                                                                   |  |  |
|                                                                                   | <b>Vertical and side locking</b><br>Side bolt 22 mm travel<br>Nucleo with knob provision included.<br>Bars not included. |  |  |

| EXAMPLES OF INSTALLATION                                                                                         |                                                                                                                  | ACCESSORIES SUPPLIED                                               |                                                                                       |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>D</b><br><br>UPPER<br>RIGHT | <b>S</b><br><br>UPPER<br>LEFT | <b>99.197</b><br>Bar connector pin for Astablock®<br>Package of 10 |  |



**SET-RESET** - Enables and disables the service key on the nucleo.



|  |                                                                  |
|--|------------------------------------------------------------------|
|  | Protected and controlled key duplication directly in the factory |
|  |                                                                  |
|  |                                                                  |
|  |                                                                  |
|  |                                                                  |
|  |                                                                  |



**Keyed alike KA** - System composed of several locks/nucleo with the same code that can be opened with the same key.



|  |                                                                  |
|--|------------------------------------------------------------------|
|  | Protected and controlled key duplication directly in the factory |
|  |                                                                  |
|  |                                                                  |
|  |                                                                  |
|  |                                                                  |





**Nucleo with construction key** - The first key (A, with red insert) is used during construction works. When they are over, this key is replaced by CA another set of keys (B, with yellow insert) that excludes the previous key by modifying the key coding.

#### SISTEMA "CA" 1+ 3/5



Protected and controlled key duplication directly in the factory

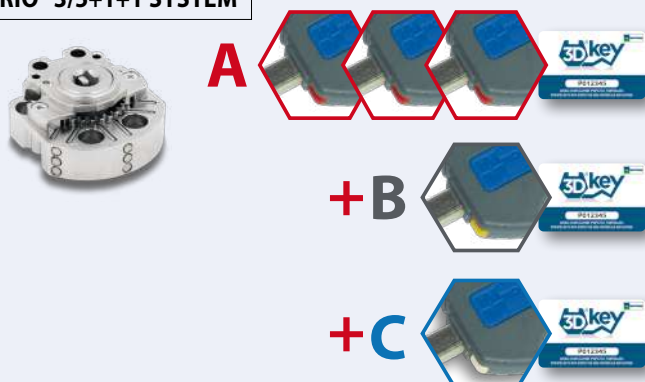


CONSTRUCTION KEY

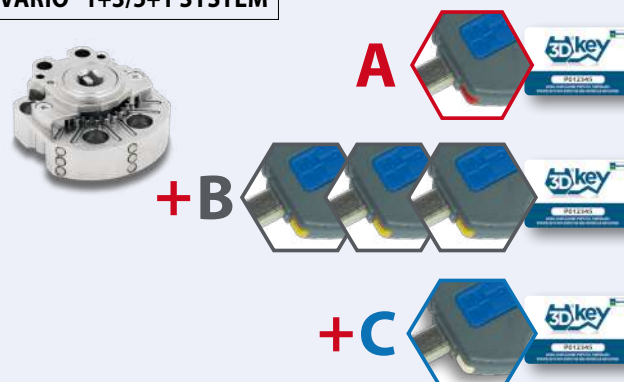


**Nucleo with Vario system** - The nucleo is equipped with 3 types of keys ( A, B, C): each of them has a different coding and it is sealed separately. In case of loss or theft of the A-type key, it is enough to insert in the nucleo the B-type key, that will exclude automatically the first key. The same thing will happen for C-type key that will disable B-type key.

#### "VARIO" 3/5+1+1 SYSTEM



#### "VARIO" 1+3/5+1 SYSTEM



#### 3/5 MASTER keys with red insert (A)

To be used normally

##### 1 First emergency key with yellow insert (B)

To be used in case of loss or theft of a master key: when this key is inserted in the nucleo, it will automatically exclude the previous ones.

##### 1 Second emergency key with white insert (C)

In case of loss or theft of the yellow key, this key permits to recode the nucleo again, disabling any other previous key.

#### 1 CONSTRUCTION key with red insert (A)

To be used during the construction works.

#### 3/5 MASTER keys with yellow insert (B)

Once the works are over, these keys recode the nucleo, excluding automatically the red key.

#### 1 Emergency key with white insert (C)

In case of loss or theft of a master key, this key permits to recode the nucleo once again, excluding any other previous key.

Protected and controlled key duplication directly in the factory



92.350



92.351



92.352



92.353



## NUCLEO REPLACEMENT

### 3D.100

3 keys

5 keys

Replacement nucleo for 3DKey® locks.  
Complete with 3/5 keys.

Specify in order the number of keys (3/5).



### 3D.100AR

3 keys

Replacement nucleo **set/reset** for 3DKey® locks.

Key supplied:

- 1 activation key
- 1 deactivation key
- 3 master keys
- 1 service key



### 3D.103

3 keys

5 keys

Replacement nucleo **predisposition knob** for 3DKey® locks. Complete with 3/5 keys.

Specify in order the number of keys (3/5).



### 3D.103AR

3 keys

Replacement nucleo **predisposition knob - set/reset** for 3DKey® locks.

Key supplied:

- 1 activation key
- 1 deactivation key
- 3 master keys
- 1 service key



## ACCESSORIES

### 94.925..

#### Finish

Brass

Black

Chrome

Satin chrome

Anodised silver

Anodised bronze

PVD gold

Defender® Ø 50 0 reinforcement for 3DKey® locks.  
Thickness 25 mm.  
Centre distance of fixing holes 15 mm.  
Including 2 M4x20 screws.

**N.B. Use keys with at least a 30 mm shank**



### 94.924N

#### Finish

Black

Defender® Ø 50 reinforcement for 3DKey® locks.  
Thickness 25 mm. Centre distance of fixing holes  
15 mm. Including 2 special M4x20 screws.



### 94.1121

#### Finish

Zinc-Plated

Spacer thickness 2.5 mm  
for Defender® 3DKey® locks diam. 50 mm  
**Pack. of 25 pieces**



| 94.240F | 94.254 | 94.275 | 94.342 | 94.343 | 94.345 | 94.420 | 94.421 | 94.422 | 94.423 | 99.264 - DIMA |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
|         |        |        |        |        |        |        |        |        |        |               |

For accessories and spare parts Series 3D refer to

**93** Bars

**94** Striker plates

**95** Escutcheons

**96** Switchlocks

**99** Various accessories