



**ASSA ABLOY**

**MULTI-POINT LOCKING SYSTEMS**

# **MULTI-BOLT 5000**

Full-function high-security multi-point mortise lock

A customizable, deadbolt locking system designated for high security and life safety applications.



# MULTI-BOLT 5000 SERIES

Full-function high-security multi-point mortise lock

**The Multi-Bolt 5000 series** is a method of multi-point deadbolt locking and is customizable; operable as a single or multi-point lock. Available with a variety of bolt configurations, the 5000 series multi-point lock fastens the door to the frame like a bank vault lock, offering discreet protection with its deadbolts concealed within the door.

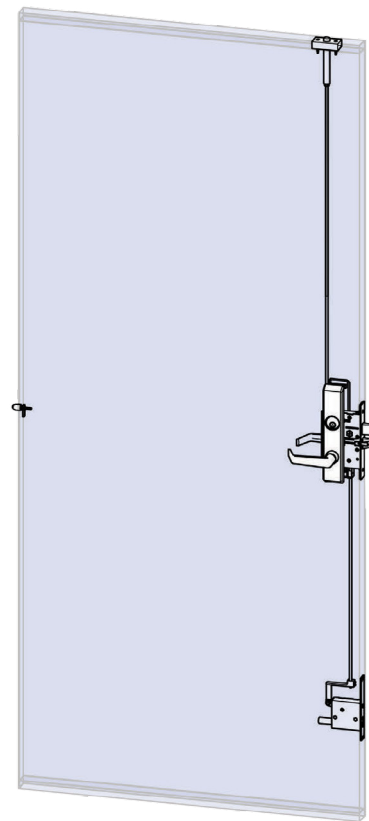
Multi-point mortise locks provide life safety and high security in one lockset. Traditional lock features, such as a key, a thumbturn, or lever handle, operate all deadbolts simultaneously. A wide variety of functions is available to fulfill almost any application.

## Protecting the architectural design

Instead of compromising the design by adding extra locks—leaving behind a cluttered patchwork of holes, guard plates, and hardware—choosing the 5000 Series delivers discreet multi-point locking that enhances security while preserving a clean, elegant look. While the door will look as it was designed, tenants will benefit from the highest level of protection.

## Special locking specialists

Models without lever trim offer innovative applications, from securing the inactive leaf of paired doors to protecting concealed security closets and reinforcing public park buildings or other facilities vulnerable to vandalism.



Model: 5411E-F13-CVR-HVL

# MULTI-BOLT 5000 SERIES

Full-function high-security multi-point mortise lock



## 5000-IHD

**Concealed multi-point deadbolt system, reinforced for high pressure and windstorm applications**

The **5000-IHD series** combines a traditional mortise lock with a concealed multi-point deadbolt system. Available with up to four deadbolts, and specifically reinforced to strengthen the door assembly, 5000-IHD series offers greater protection against devastating wind load forces and impacts of flying debris. IHD vertical deadbolts travel within the door and are reinforced by steel bolt guides and edge plates.

### Durable by design

- In 2001, Securitech was the first company to manufacture a lock that passed FEMA 320 & FEMA 361 guidelines.
- Meets and exceeds performance requirements of the latest revisions of FEMA P-361, P-320, and ICC 500.
- Available for tested single doors up to 4' x 10' or double doors up to 8' x 10'.\*

### Superior protection

- Solid stainless steel deadbolt with a 1" throw.
- 5/8" dia. min 5" solid stainless steel vertical and / or horizontal deadbolts with a 1" throw.

### Free egress

- A single motion retracts the deadbolts simultaneously from the inside at all times.

### Heavy-duty, stainless steel lever and escutcheon

- Stands up to abuse; exterior lever is equipped with a vandal-resistant slip-clutch that will break away under force and is easily reset by lifting up the lever.

### Additional features and options

- HVL model offers deadbolt projection

horizontally into the frame, not the floor, preventing the deadbolt from jamming due to dirt and debris at the floor strike.

- Functions with rigid exterior lever – Key always required for entry.
- No latch models– For use with inactive leaf on pair of doors.
- Oversize openings.
- Contact the factory for custom applications.

### Specifications

- Lock body fits into standard ANSI mortise lock prep
- Elevated edge plates eliminate need for special preparation in vertically stiffened hollow metal doors
- Accepts 1¼" or 1⅜" mortise cylinders (standard & high-security)

### Certifications

#### Fire-rated models available

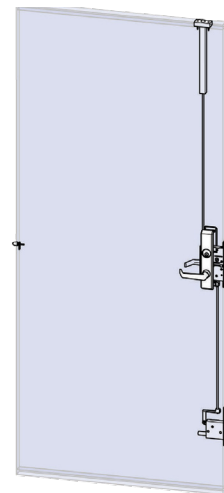
- Maximum opening sizes: 4' x 8' for single and 8' x 8' for double doors.
- Category C (Up to 3 hours)
- The following functions are not available in fire rated models: F12, F16, F17, F17L, F17M, F18 and F18i.

### Applicable standards

- UL 10(c) standard for positive pressure fire tests of door assemblies.

#### For tornado and hurricane safe room applications

- Door size limitations (subject to change): Minimum 2'6" x 6'8", Maximum 4' x 10' Contact door / frame manufacturer for tested range of sizes.
- FEMA P-361, fourth edition / April 2021. Safe rooms for tornadoes and hurricanes, guidance for community and residential safe rooms.
- ANSI ICC 500-2023. Standard for the design and construction of storm shelters.



Model: 5411E-F13-IHD-HVL

\*Size limits vary by door manufacturer

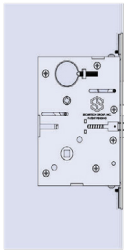
# MULTI-BOLT 5000 SERIES

Full-function high-security multi-point mortise lock

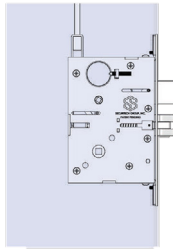
## Specify the right level of security

MULTI-BOLT™ 5000 Series mortise locks are available in single-point or multi-point models, with the multi-point option providing greater protection against forced entry through concealed vertical deadbolts built into the door to meet rigorous security requirements. For added protection, the 5000 Series is also equipped with a vandal-resistant slip-clutch, designed to withstand high levels of abuse.

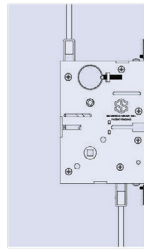
### Lock Series



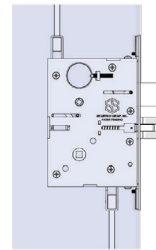
**51XX**  
Primary bolt



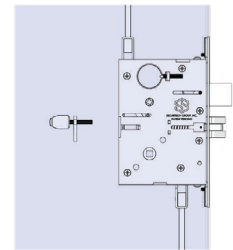
**52XX**  
Primary bolt & top deadbolt



**52XX-V**  
Top & bottom vertical deadbolts



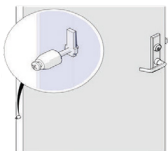
**53XX**  
Primary, top & bottom vertical deadbolts



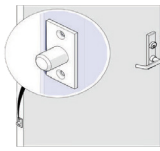
**54XX**  
Primary, top & bottom vertical deadbolts, & hinge side stationary deadbolt

### Hinge side stationary bolts

Hinge side bolts are not connected to the lock mechanism. The door swings away from the frame. The bolt doesn't need to retract as it is moved out of the frame by door movement.



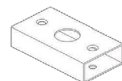
For non-prepared doors or wood doors



For prepared doors or wood doors

### Edge plates

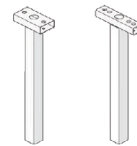
Design of the edge plate varies to accommodate various applications and door types.



Hollow metal doors with U-channel (inverted channel)



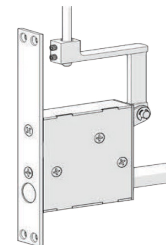
Flush hollow metal doors or wood doors



Windstorm models: Welded steel vertical bolt guide and edge plate for added resistance

### Horizontal lower bolt module

HVL offers deadbolt projection horizontally into the frame providing greater strength and does not require any holes to be drilled into the floor.



### Lever designs

"Wing-type" cloverleaf cam is required for proper operation



Tapered, with return



Tapered, no return



Tubular, with return



Curved, with return

### Additional information

#### Cylinders

Securitech mortise locks will work with cylinders from most manufacturers (standard or high-security).

#### Cam requirements

A "wing-type" cloverleaf cam is required for proper operation.

#### Door preparation

Maintain a continuous 5" clearance from the door edge to ensure proper lock installation and operation. Vertically-stiffened hollow metal recommended. 1 1/4" X 8" mortise opening. Hinge-side bolt is not connected to the lock mechanism. Consult factory for templates.

#### Frame preparation

ANSI 4 3/8" strike standard. Dust-proof strike standard. Strike holes in header and hinge side to be field-drilled. Strike plates are not required.

# MULTI-BOLT 5000 SERIES

Full-function high-security multi-point mortise lock

Deadbolt & latch Functions

Deadbolt only Functions

## F07M

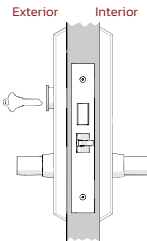
Storeroom or closet lock, modified

**Application: storeroom, building entrance**

Bolt(s) extended by key exterior. Bolt(s) cannot be extended from interior.

Exterior lever always rigid. Exterior key retracts bolt(s) and latch.

Rotating interior lever retracts both bolt(s) and latch.



## F07M2

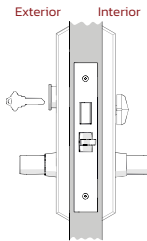
Storeroom or closet lock, modified with interior operation

**Application: storeroom, cash room, safe room**

Bolt(s) extended by key exterior and thumbturn interior.

Exterior lever always rigid. Exterior key retracts bolt(s) and latch.

Rotating interior lever retracts both bolt(s) and latch.



## F01M2

Passage or closet latch, modified

**Application: windstorm bathroom shelter**

Bolt(s) extended by thumbturn either side.

When bolt(s) are extended, exterior lever is locked. Exterior thumbturn retracts bolt(s). When unlocked exterior lever retracts latch.

Rotating interior lever retracts both bolt(s) and latch and unlocks exterior lever.



## F02M2

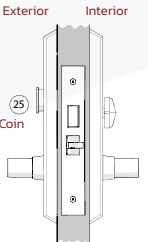
Privacy, bedroom or bath lock, modified

**Application: single bathroom shelter**

Bolt(s) extended by coin-slot cylinder exterior and thumbturn interior.

When bolt(s) are extended, exterior lever is locked. Exterior coin-slot cylinder (for emergency) retracts bolt(s). When unlocked exterior lever retracts latch.

Rotating interior lever retracts both bolt(s) and latch and unlocks exterior lever.



## F09M

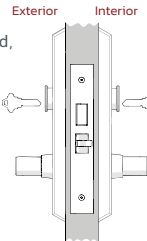
Apartment, entrance or public toilet lock, modified, special classroom

**Application: classroom, office**

Bolt(s) extended by key either side.

When bolt(s) are extended, exterior lever is locked. Exterior key retracts bolt(s). When unlocked, exterior lever retracts latch.

Rotating interior lever retracts both bolt(s) and latch and unlocks exterior lever.



## F12

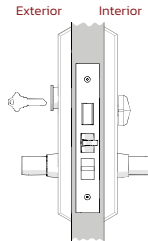
Dormitory or exit lock, apartment

**Application: apartment**

Bolt(s) extended by key exterior and thumbturn interior.

When bolt(s) are extended, exterior lever is locked. Exterior key retracts bolt(s). Exterior lever may be set to rigid using a toggle.

When unlocked exterior lever retracts latch. Rotating interior lever retracts both bolt(s) and latch and exterior remains locked or unlocked depending on toggle position.



## F13

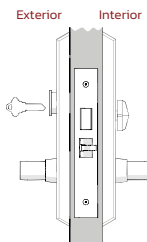
Entrance or dormitory

**Application: entrance, safe room**

Bolt(s) extended by key exterior and thumbturn interior.

When bolt(s) are extended, exterior lever is locked. Exterior key retracts bolt(s). When unlocked, exterior lever retracts latch.

Rotating interior lever retracts both bolt(s) and latch and unlocks exterior lever.



## F14M

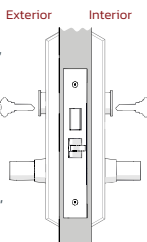
Stockroom, modified

**Application: no free egress, partition for storm shelter**

Bolt(s) extended by key either side.

When bolt(s) are extended, exterior lever is locked. Exterior key retracts bolt(s). When unlocked, exterior lever retracts latch.

When bolt(s) are extended, interior lever is locked. Interior key retracts bolt(s). When unlocked, interior lever retracts latch.



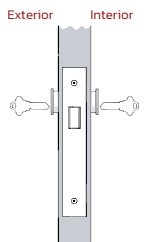
## F16

Deadlock, double cylinder

**Application: inactive leaf of pair, store entrance**

Bolt(s) extended only by key either side.

No lever or rigid lever. Bolt(s) retracted by key either side.



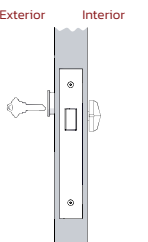
## F17

Deadlock, single cylinder with thumbturn

**Application: storm shutters, inactive leaf of pair, shelters, safe room**

Bolt(s) extended only by key exterior or thumbturn interior.

No lever or rigid lever. Bolt(s) retracted by key exterior or thumbturn interior.



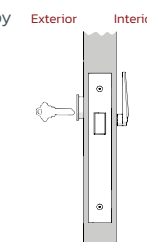
## F17L

Deadlock, single cylinder with thumbturn lever

**Application: storm shutters, inactive leaf of pair, shelters, safe room.**

Bolt(s) extended only by thumbturn either side.

No lever or rigid lever. Bolt(s) retracted by thumbturn either side.



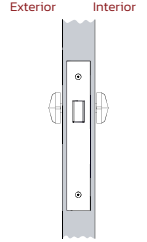
## F17M

Deadlock, double thumbturn

**Application: storm shutters**

Bolt(s) extended only by thumbturn either side.

No lever or rigid lever. Bolt(s) retracted by thumbturn either side.



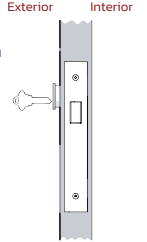
## F18

Deadlock, single exterior cylinder only

**Application: inactive leaf of pair, quiet room**

Bolt(s) extended only by key exterior. Bolt(s) cannot be extended from interior.

No lever or rigid lever. Bolt(s) retracted by key exterior.



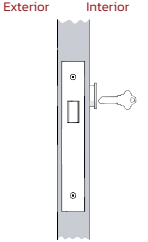
## F18I

Deadlock, single interior cylinder only

**Application: inactive leaf of pair**

Bolt(s) extended only by key interior. Bolt(s) cannot be extended from exterior.

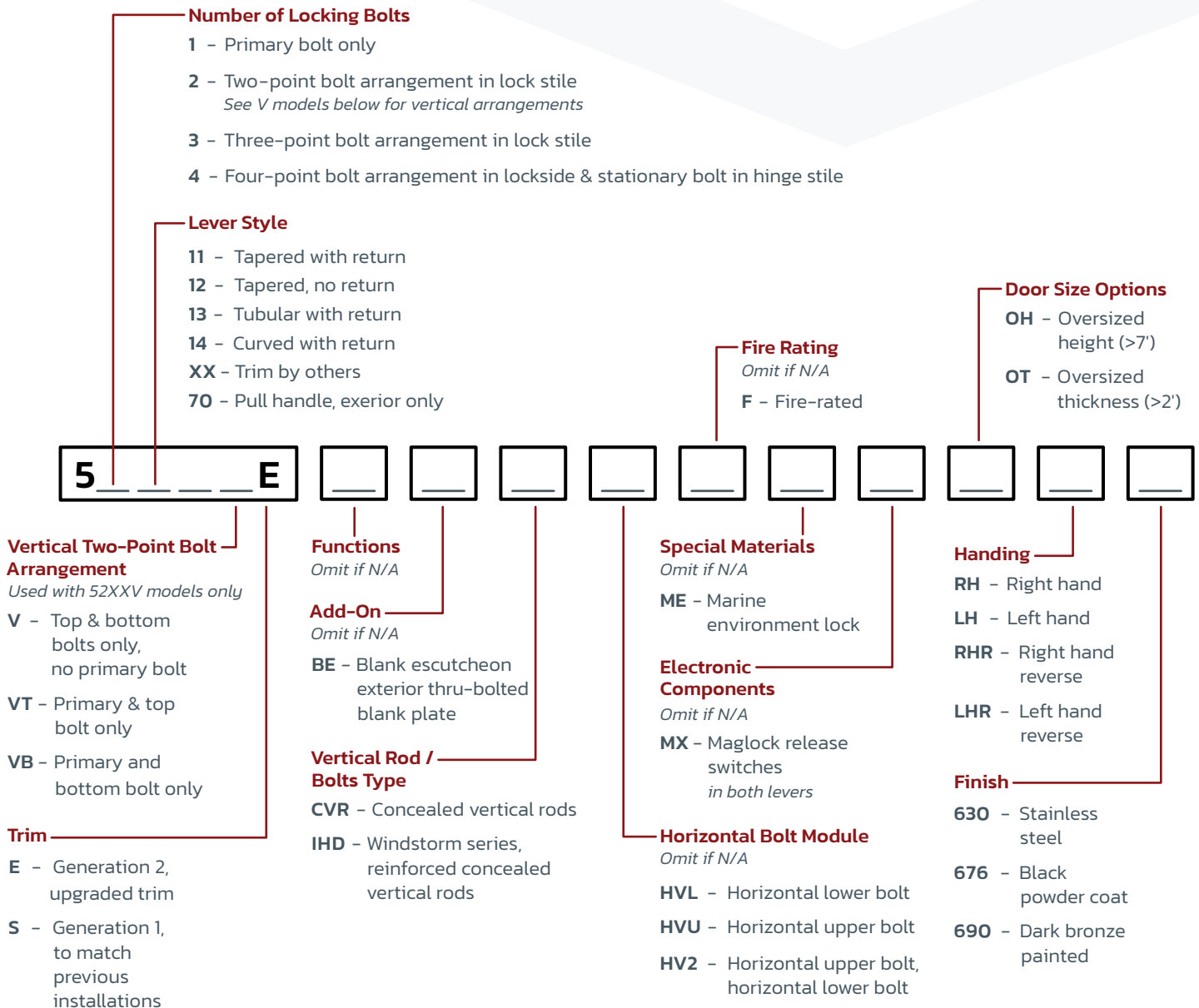
No lever or rigid lever. Bolt(s) retracted by key interior.



# MULTI-BOLT 5000 MODEL BUILDER

Sample Model Number: 5311E - F13 - CVR - HVL - LH - 630

All fields are required, unless option to omit is noted.



## NOTE

- Specify 1½" or 1¾" mortise cylinder by others - "wing-type" cloverleaf cam is required for proper operation.
- Fill out ordering "Dimensional Information" page and include with order to factory.
- Specify door thickness
- Door and frame to be fabricated according to Securitech templates for door and grout boxes and strike on frame.

## FOR IHD MODELS

- Specify door manufacturer to be used on order.
- Doors and hardware are tested as a system. Consult factory for list of door manufacturers who have tested with our door hardware. Not all manufacturers have tested for all models listed above.