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SCOPE

This standard covers requirements and test methods for all types of mechanical lock or latch (including associated or separately supplied locking plates) intended for use on pedestrian doors in buildings but excludes electro-mechanically operated locks and striking plates, multi-point locks and their locking plates, locks for windows, padlocks, locks for safes, furniture locks and prison locks.

CLASSIFICATION

EN12209 classifies mechanically operated locks, latches and locking plates using an 11 digit coding system. This has proved necessary in order to provide a proper assessment of all the varied features of products for specific markets within Europe. It should be noted that to avoid a greater proliferation of boxes, certain features have been "doubled up": e.g. durability and durability with side load; door mass and closing force; corrosion resistance and temperature resistance. The system is comprehensive but it has led to the use of letters (rather than numbers) in certain boxes, since there can only be one digit in each classification box. A similar classification system applies to all building hardware product standards (at least for the first 7 boxes) to aid meaningful comparisons with related products.

EN12209: 2003

Digit 1
Category of use

Three categories of use are identified:
- grade 1: low frequency of use by people with a high incentive to exercise care and a small chance of misuse, e.g. internal residential doors.
- grade 2: medium frequency of use by people with some incentive to exercise care but where there is some chance of misuse, e.g. internal office doors.
- grade 3: high frequency of use by public or others with little incentive to exercise care and with a high chance of misuse, e.g. public doors.

Digit 2
Durability

Twelve grades are identified with minimum figures for deadbolt and snib operation, and latch bolt operation with and without side load, as shown. The side load is applied to the latch bolt when is is being withdrawn.

<table>
<thead>
<tr>
<th>Increasing side load</th>
<th>No side load</th>
<th>10N side load</th>
<th>25N side load</th>
<th>50N side load</th>
<th>120N side load</th>
</tr>
</thead>
<tbody>
<tr>
<td>200,000 test cycles</td>
<td>Grade C</td>
<td>Grade H</td>
<td>Grade M</td>
<td>Grade S</td>
<td>Grade X</td>
</tr>
<tr>
<td>100,000 test cycles</td>
<td>Grade B</td>
<td>Grade G</td>
<td>Grade L</td>
<td>Grade R</td>
<td>Grade W</td>
</tr>
<tr>
<td>50,000 test cycles</td>
<td>Grade A</td>
<td>Grade F</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Digit 3
Door mass and closing force

Nine grades are identified with maximum figures for closing force at various door masses as shown.
Note: closing force is from a standing start: i.e. fully extended latch bolt in contact with striking plate at start of test.

<table>
<thead>
<tr>
<th>Maximum closing force</th>
<th>up to 100kg</th>
<th>Door mass up to 200kg</th>
<th>above 200kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>15N</td>
<td>Grade 7</td>
<td>Grade 8</td>
<td>Grade 9</td>
</tr>
<tr>
<td>25N</td>
<td>Grade 4</td>
<td>Grade 5</td>
<td>Grade 6</td>
</tr>
<tr>
<td>50N</td>
<td>Grade 1</td>
<td>Grade 2</td>
<td>Grade 3</td>
</tr>
</tbody>
</table>

Digit 4
Fire resistance

Two grades are identified:
- grade 0: not approved for use on fire/smoke door assemblies
- grade 1: suitable for use on fire/smoke door assemblies tested to EN 1634-1 etc.

Note 1. A grade 1 classification means only that the lock has been designed for use on fire/smoke control doors; the actual fire performance achieved (e.g. fire integrity of 30 minutes on a partially glazed timber door etc.) will be contained in a separate fire test report.

Note 2. Where a product is intended for fire/smoke door use (i.e. a "1" in box 4), it must be possible to demonstrate compliance with the Essential Requirements of the Construction Products (Amendments) Regulations. It is recommended that the product should bear the CE mark (see section on CE marking).

Digit 5
Safety

No requirement, but note: a lock or latch conforming to this standard can, at the same time, also be part of an exit device conforming to EN 179 or EN 1125.

Digit 6
Corrosion resistance

Eight grades are identified with neutral salt-spray (NSS) corrosion resistance grades from EN 1670: 1998, with and without temperature resistance as shown:

<table>
<thead>
<tr>
<th>Corrosion resistance (NSS)</th>
<th>Temperature resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>240 hours</td>
<td>No requirement</td>
</tr>
<tr>
<td>96 hours</td>
<td>grade D</td>
</tr>
<tr>
<td>48 hours</td>
<td>grade C</td>
</tr>
<tr>
<td>24 hours</td>
<td>grade A</td>
</tr>
<tr>
<td>No requirement</td>
<td>grade 0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Temperature resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>-20°C to +80°C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MD7210/MD8510/MB7210/MB8510 Sashlocks</th>
</tr>
</thead>
<tbody>
<tr>
<td>MD7210 / MD8510 Sashlocks</td>
</tr>
<tr>
<td>3 X 8 1 0 G 3 B C 2 0</td>
</tr>
<tr>
<td>MB7210 / MB8510 Sashlocks</td>
</tr>
<tr>
<td>3 S 7 1 0 G 3 B C 2 0</td>
</tr>
</tbody>
</table>

Successfully passed and exceeded 240-minutes fire test of metal fire door assemblies to EN1634-1: 2014
Digit 7
Security and drill resistance
Seven grades are identified with minimum figures for requirements relating to physical attack, with or without drilling of the lockcase, as shown:

<table>
<thead>
<tr>
<th>Grade</th>
<th>No drilling requirement</th>
<th>Drilling requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>grade 6</td>
<td></td>
<td>grade 7</td>
</tr>
<tr>
<td>grade 4</td>
<td></td>
<td>grade 5</td>
</tr>
<tr>
<td>grade 3</td>
<td></td>
<td>grade 2</td>
</tr>
<tr>
<td>grade 2</td>
<td></td>
<td>grade 1</td>
</tr>
</tbody>
</table>

Digit 8
Field of door application

<table>
<thead>
<tr>
<th>Grade</th>
<th>Type</th>
<th>Application 1</th>
<th>Application 2</th>
<th>Application 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Mortice</td>
<td>Unrestricted application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Mortice</td>
<td>Hinged door</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Mortice</td>
<td>Sliding door</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Rim</td>
<td>Unrestricted application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Rim</td>
<td>Hinged door</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Rim</td>
<td>Sliding door</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Bored lock</td>
<td>Unrestricted application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Mortice</td>
<td>Hinged door</td>
<td>Supported</td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>Rim</td>
<td>Hinged door</td>
<td>Inwards</td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Mortice</td>
<td>Hinged door</td>
<td>Locked from inside</td>
<td></td>
</tr>
<tr>
<td>L</td>
<td>Mortice</td>
<td>Sliding door</td>
<td>Locked from inside</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Rim</td>
<td>Hinged door</td>
<td>Locked from inside</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Rim</td>
<td>Sliding door</td>
<td>Locked from inside</td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>Mortice</td>
<td>Hinged door</td>
<td>Supported</td>
<td>Locked from inside</td>
</tr>
<tr>
<td>R</td>
<td>Rim</td>
<td>Hinged door</td>
<td>Inwards</td>
<td>Locked from inside</td>
</tr>
</tbody>
</table>

Digit 9
Type of key operation and locking
Nine grades are identified for differing types of key operation. The grading determines how the lock is assessed for deadlocking requirement as shown. In addition, there is a maximum key torque operating requirement of 1.5 Nm and a minimum key strength requirement of 2.5 Nm:

- grade 0: not applicable;
- grade A: cylinder lock or latch; manually locking;
- grade B: cylinder lock or latch; automatically locking;
- grade C: cylinder lock or latch; manually locking with intermediate locking;
- grade D: lever lock or latch; manually locking;
- grade E: lever lock or latch; automatically locking;
- grade F: lever lock or latch; manually locking with intermediate locking;
- grade G: lock or latch without key operations; manually locking;
- grade H: lock without key operation; automatically locking.
Digit 10
Type of spindle operation
Five grades are identified:
- grade 0: lock without follower
- grade 1: lock with sprung lever or knob
- grade 2: lock with light unsprung lever
- grade 3: lock with heavy unsprung lever
- grade 4: lock with manufacturer's own specification furniture

Digit 11
Key identification
Nine grades are identified relating to the number of differs and levers. Grade 0 relates to a latch with no locking action:

<table>
<thead>
<tr>
<th>No of differs</th>
<th>grade H</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>grade F</td>
</tr>
<tr>
<td></td>
<td>grade G</td>
</tr>
<tr>
<td></td>
<td>grade D</td>
</tr>
<tr>
<td></td>
<td>grade E</td>
</tr>
<tr>
<td></td>
<td>grade B</td>
</tr>
<tr>
<td></td>
<td>grade C</td>
</tr>
<tr>
<td></td>
<td>grade A</td>
</tr>
<tr>
<td></td>
<td>grade 0</td>
</tr>
</tbody>
</table>

CE MARKING
Mechanically operated locks and latches intended for use on fire/smoke control doors within the EEA are covered by a Construction Products Directive mandate issued by the European Commission. Consequently, this standard is regarded as "harmonised" and compliance with it, supported by suitable evidence, allows for the application of the CE mark.

As such, locks and latches have a critical safety function. Application of the CE mark will require the involvement of a notified body to provide verification of the compliance claims. This involves initial type testing of the product to EN 12209 and EN 1634-1, initial inspection of the manufacturer's factory production control and continuing surveillance and approval of the factory production control. On satisfactory fulfillment of these tasks, the notified body issues an EC Certificate of Conformity which then permits the manufacturer to declare compliance and affix the CE mark to his product.

CERTIFIRE SCHEME
CERTIFIRE is an independent third party certification scheme by Warrington Certification Limited (Part of Exova) that assures performance, quality, reliability and traceability of fire protection products. Recognised by regulatory authorities worldwide, it is an internationally respected mark of fire safety and one of the most authoritative in the industry.

MANUFACTURERS - For manufacturers of fire protection products and systems, CERTIFIRE offers the opportunity to differentiate products and processes from non certified equivalents thus helping to access markets worldwide.

SPECIFIERS - For architects, specifiers, contractors and building owners CERTIFIRE provides assurance that fire protection products and systems correctly installed will perform as required, therefore avoiding costly mistakes and dramatically reducing risk.

The importance of schemes like CERTIFIRE is recognised in Approved Document B of the Building Regulations (ADB). The document makes a clear recommendation for the use of third party certificated products and systems.

We proudly announce that INOX MD / MB Series Mortice Locks are certified to CE and Certifire scheme by Warrington Certification Limited (UK)
Certifire listing information can be found at http://www.warringtoncertification.com/certifire/locks-and-latches.html
## How to Order

### Product Identification

<table>
<thead>
<tr>
<th>MD72</th>
<th>10</th>
<th>-55</th>
<th>R</th>
<th>-32D</th>
<th>-FW20</th>
</tr>
</thead>
</table>

**Faceplate Width:**
- Blank = Standard 24mm
- (Standard 23mm for MB8500 Series)
- FW20 = 20mm

**Faceplate and Strike Finish:**
- 32D = Satin Stainless Steel
- 32 = Bright Polished Stainless Steel
- PVD3 = PVD Bright Polished Brass on SS

**Faceplate Corner:**
- Blank = Square Corner
- R = Radius Corner

**Backset:**
- 40 = 40mm Backset (for MB8500 Series only)
- 45 = 45mm Backset (for MB8500/MD8500 Series only)
- 50 = 50mm Backset (MB8500/MD8500 Series only)
- 55 = 55mm Backset (for MB7200/MD7200 Series only)
- 60 = 60mm Backset
- 65 = 65mm Backset (for MD7200 Series only)

**Function:**
- 10 = Sashlock/Entry
- 20 = Latch/Passage
- 30 = Deadlock/Communicating
- 40 = Bathroom/Privacy (for MB7200/MD7200 Series only)
- 50 = Nightlatch/Storeroom (for MB7200/MD7200 Series only)
- 60 = Emergency/Escape Entry (for MD7200 Series 60mm Backset only)
- 70 = Roller Latch (for MD7200/MB8500 Series only)
- 80 = Classroom (for MD7200 Series only)
- 90 = Anti-thrust Nightlatch (for MD7200 Series only)

**Lock Series:**
- MD72 = MD7200 Series Heavy Duty Mortice Locks 72mm center
- MD85 = MD8500 Series Heavy Duty Mortice Locks 85mm center
- MB72 = MB7200 Series Contract/Residential Mortice Locks 72mm center
- MB85 = MB8500 Series Contract/Residential Mortice Locks 85mm center
Mortice Lock MD7200 Series

Application

INOX MD7200 Series Mortice Lock is designed for high frequency usage applications such as public access buildings where deliberate abuse likely takes place

Specifications and Features

- Modular case across functions for rapid door prepping and installation
- 72mm centers, backset in 50/55/60/65mm
- 8mm follower with spindle gripping function
- Reversible latchbolt in solid stainless steel
- Double throw deadbolt in solid stainless steel with 20mm projection
- Suitable for sprung and most un-sprung lever furniture
- Stainless steel faceplate and strike in square and radius version (radius version improves door prep efficiency with machine routing)
- Compatible with bolt through furniture and escutcheons of 38mm centers

Standards and Certification

Successfully type-tested for conformity to all of requirement of EN12209: 2003

Successfully passed and exceeded 240-minutes fire test of metal fire door assemblies to EN1634-1: 2014

CE Declaration of Conformity available upon request

Meets the dimensional recommendations of BS8300 and Approved Document "M"

INOX MD7200 series locks are approved by Certifire.* Certifire No. CF5373

All EN/CE/Certifire tests performed independently and certified by Exova/Warrington Fire/Warrington APT. Test report/certificate are available upon request.

*Certifire is an independent third party certification scheme that assures performance, quality and traceability of fire protection products

Forend and Strike Finishes

Matching finish on latchbolt and deadbolt

*Other finishes available upon request

Trim Options:

Lever Options

Suitable with any INOX lever design

* Please refer to INOX EN Lever Handle catalogue for more detail on Lever and Trim options
Mortice Lock MD7200 Series

Available Functions

**MD7210**

**Function**
Sashlock/Entry

**Application**
Suitable for latched doors requiring deadbolt locking security.

**EN12209:2003 Classification**
3 X 8 1 0 G 3 B C 2 0

**Illustration**

*From outside:* Key operates deadbolt and latchbolt. Handle retracts latchbolt.

*From inside:* Key or thumbturn operates deadbolt and latchbolt. Handle retracts latchbolt.

**MD7220**

**Function**
Latch/Passage

**Application**
Suitable for latched doors remaining unlocked at all times.

**EN12209:2003 Classification**
3 X 8 1 0 G - B 0 2 0

**Illustration**

*From outside:* Handle retracts latchbolt.

*From inside:* Handle retracts latchbolt.

*Dimensions in mm*
Mortice Lock MD7200 Series
Available Functions

**MD7230**

**Function**
Deadlock/Communicating

**Application**
Suitable for unlatched doors with deadbolt locking security.

**EN12209:2003 Classification**

| 3 | X | 8 | 1 | 0 | G | 3 | B | C | 0 | 0 |

**Illustration**

* From outside: Key operates deadbolt.

* From inside: Key or thumb-turn operates deadbolt.

**MD7240**

**Function**
Bathroom/Privacy

**Application**
Suitable for bathroom door with deadbolt locking privacy. Emergency unlocking provided by coin release slot.

**EN12209:2003 Classification**

| 3 | X | 8 | 1 | 0 | G | - | B | 0 | 2 | 0 |

**Illustration**

* From outside: Handle retracts latchbolt. Thumb-turn operates deadbolt.

* From inside: Handle retracts latchbolt only. Indicator shows whether deadbolt locking is enabled.

* Dimensions in mm
Mortice Lock MD7200 Series
Available Functions

MD7250

**Function**
Nightlatch/Storeroom

**Application**
Suitable for latched door with cylinder key operated access from outside and handle access from inside.

**EN12209:2003 Classification**

<table>
<thead>
<tr>
<th>3</th>
<th>X</th>
<th>8</th>
<th>1</th>
<th>0</th>
<th>G</th>
<th>-</th>
<th>B</th>
<th>0</th>
<th>2</th>
<th>0</th>
</tr>
</thead>
</table>

**Illustration**

**From outside:**
Key retracts latchbolt. No handle is fitted.

**From inside:**
Handle retracts latchbolt.

---

MD7260

**Function**
Emergency/Escape Entry

**Application**
Suitable for escape doors requiring deadbolt locking security from outside, single lever action unlocking and door opening from inside.

**EN12209:2003 Classification**

<table>
<thead>
<tr>
<th>3</th>
<th>X</th>
<th>8</th>
<th>1</th>
<th>0</th>
<th>G</th>
<th>3</th>
<th>B</th>
<th>C</th>
<th>2</th>
<th>0</th>
</tr>
</thead>
</table>

**Illustration**

**From outside:**
Key operates deadbolt and key or handle operates latchbolt.

**From inside:**
Key operates deadbolt and latchbolt simultaneously.

*Dimensions in mm*
Mortice Lock MD7200 Series
Available Functions

MD7270

Function
Roller Latch

Application
Suitable for doors requiring roller bolt latching. Security provided by deadbolt locking.

Classification
3 X 8 1 0 G 3 B C 0 0

Illustration
From outside:
Key operates deadbolt.

From inside:
Key or thumb-turn operates deadbolt.

MD7280

Function
Classroom

Application
Suitable for doors with security provided by cylinder key locking outside handle. Inside handle always unlocks and opens door.

EN12209:2003 Classification
3 X 8 1 0 G - B 0 2 0

Illustration
From outside:
Key locks handle. Handle retracts latchbolt when unlocked.

From inside:
Handle always retracts latchbolt. Key or thumb-turn locks outside handle.

* Dimensions in mm
Mortice Lock MD7200 Series
Available Functions

MD7290

**Function**
Anti-thrust Nightlatch

**Application**
Suitable for doors requiring simple security by blocked latchbolt. Escape option provided by single lever action from inside.

**EN12209: 2003 Classification**

| 3 | X | 8 | 1 | 0 | G | - | B | 0 | 2 | 0 |

**Illustration**

From outside:
Key retracts latchbolt.

From inside:
Handle retracts latchbolt.

* Dimensions in mm
Mortice Lock MD7200 Series

**MD7210 Sashlock/Entry**  
72mm Center  
50mm Backset: MD7210-50  
55mm Backset: MD7210-55  
60mm Backset: MD7210-60  
65mm Backset: MD7210-65

**MD7220 Latch/Passage**  
72mm Center  
50mm Backset: MD7220-50  
55mm Backset: MD7220-55  
60mm Backset: MD7220-60  
65mm Backset: MD7220-65

**MD7230 Deadlock/Communicating**  
72mm Center  
50mm Backset: MD7230-50  
55mm Backset: MD7230-55  
60mm Backset: MD7230-60  
65mm Backset: MD7230-65

**MD7240 Bathroom/Privacy**  
78mm Center  
50mm Backset: MD7240-50  
55mm Backset: MD7240-55  
60mm Backset: MD7240-60  
65mm Backset: MD7240-65

**MD7250 Nightlatch/Storeroom**  
72mm Center  
55mm Backset: MD7250-55  
60mm Backset: MD7250-60

**MD7260 Emergency/Escape Entry**  
72mm Center  
60mm Backset: MD7260-60

**MD7270 Roller Latch**  
72mm Center  
55mm Backset: MD7270-55  
60mm Backset: MD7270-60  
65mm Backset: MD7270-65

**MD7280 Classroom**  
72mm Center  
55mm Backset: MD7280-55  
60mm Backset: MD7280-60

**MD7290 Anti-thrust Nightlatch**  
72mm Center  
55mm Backset: MD7290-55  
60mm Backset: MD7290-60
Mortice Lock MD8500 Series

Application

INOX MD8500 Series Mortice Lock is designed for high frequency usage applications such as public access buildings where deliberate abuse likely takes place.

Specifications and Features

- Modular case across functions for rapid door prepping and installation
- 85mm centers, backset in 40/45/50/60mm
- 8mm follower with spindle gripping function
- Reversible latchbolt in solid stainless steel
- Double throw deadbolt in solid stainless steel with 20mm projection
- Suitable for sprung and most un-sprung lever furniture
- Stainless steel faceplate and strike in square and radius version (radius version improves door prep efficiency with machine routing)
- Compatible with bolt through furniture and escutcheons of 38mm centers

Standards and Certification

Successfully type-tested for conformity to all of requirements of EN12209: 2003

Successfully passed and exceeded 240-minutes fire test of metal fire door assemblies to EN1634-1: 2014

CE Declaration of Conformity available upon request

Meets the dimensional recommendations of BS8300 and Approved Document “M”

INOX MD7200 series locks are approved by Certifire.* Certifire No. CF5373

All EN/CE/Certifire tests performed independently and certified by Exova/ Warrington Fire/Warrington APT. Test report/certificate are available upon request.

* Certifire is an independent third party certification scheme that assures performance, quality and traceability of fire protection products

Forend and Strike Finishes

Matching finish on latchbolt and deadbolt

*Other finishes supplied upon request

Trim Options

GB

GA

SA

SG

LP

SP

Lever Options

Suitable with any INOX lever design

* Please refer to INOX EN Lever Handle catalogue for more details on Lever and Trim options
# Mortice Lock MD8500 Series

## Available Functions

<table>
<thead>
<tr>
<th>MD8510</th>
<th>MD8520</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Function</strong></td>
<td><strong>Function</strong></td>
</tr>
<tr>
<td>Sashlock/Entry</td>
<td>Latch/Passage</td>
</tr>
</tbody>
</table>

## Application

<table>
<thead>
<tr>
<th>MD8510</th>
<th>MD8520</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable for latched doors requiring deadbolt locking security.</td>
<td>Suitable for latched doors remaining unlocked at all time.</td>
</tr>
</tbody>
</table>

## EN12209:2003 Classification

<table>
<thead>
<tr>
<th>MD8510</th>
<th>MD8520</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 X 8 1 0 G 3 B C 2 0</td>
<td>3 X 8 1 0 G - B 0 2 0</td>
</tr>
</tbody>
</table>

## Illustration

### From outside:
- MD8510: Key operates deadbolt and latchbolt. Handle retracts latchbolt.
- MD8520: Handle retracts latchbolt.

### From inside:
- MD8510: Key or thumbturn operates deadbolt and latchbolt. Handle retracts latchbolt.
- MD8520: Handle retracts latchbolt.

* Dimensions in mm

---

Unison Hardware, Inc. 6 Wayne Court, Sacramento, CA 95829, USA
Tel: +1.916.388.1888  Fax: +1.916.388.8322  Email: info@unisonhardware.com  Web: www.inoxproducts.com
Mortice Lock MD8500 Series
Available Functions

MD8530

Function
Deadlock/Communicating

Application
Suitable for unlatched doors with deadbolt locking security.

EN12209:2003 Classification

| 3 | X | 8 | 1 | 0 | G | 3 | B | C | 0 | 0 |

Illustration

From outside:
Key operates deadbolt.

From inside:
Key or thumb-turn operates deadbolt.

* Dimensions in mm
Mortice Lock MD8500 Series

MD8510 Sashlock/Entrance
85mm Center
40mm Backset: MD8510-40
45mm Backset: MD8510-45
50mm Backset: MD8510-50
60mm Backset: MD8510-60

MD8520 Latch/Passage
85mm Center
40mm Backset: MD8520-40
45mm Backset: MD8520-45
50mm Backset: MD8520-50
60mm Backset: MD8520-60

MD8530 Deadlock/Communicating
85mm Center
40mm Backset: MD8530-40
45mm Backset: MD8530-45
50mm Backset: MD8530-50
60mm Backset: MD8530-60
Mortice Lock MB7200 Series

Application

INOX MB7200 Series Mortice Lock is designed for frequent usage application such as commercial offices where potential misuse may take place.

Specifications and Features

- Modular case across functions for rapid door prepping and installation
- 72mm center, backset in 55/60mm
- 8mm solid steel follower
- Easy reversible latchbolt in solid brass*
- Double throw deadbolt in solid steel with 20mm projection
- Suitable for sprung and light un-sprung lever furniture
- Stainless steel faceplate and strike in square and radius version (radius version improves door prep efficiency with machine routing)
- Compatible with bolt through furniture and escutcheons of 38mm centers

*Convenient reversibility without tools

Standards and Certification

Successfully type-tested for conformity to all of requirement of EN12209: 2003
Successfully passed and exceeded 240-minutes fire test of metal fire door assemblies to EN1634-1: 2014
CE Declaration of Conformity available upon request
Meets the dimensional recommendations of BS8300 and Approved Document "M"
INOX MD7200 series locks are approved by Certifire.* Certifire No. CF5373
All EN/CE/Certifire tests performed independently and certified by Exova/Warrington Fire/Warrington APT. Test report/certificate are available upon request.

Forend and Strike Finishes

Matching finish on latchbolt and deadbolt
*Other finishes available upon request

Trim Options:

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<th>Trim</th>
<th>Lever Options</th>
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<td>SG</td>
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<td>MP</td>
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</tr>
</tbody>
</table>

Lever Options

Suitable with any INOX lever design
* Please refer to INOX EN Lever Handle catalogue for more detail on Lever and Trim options

* Certifire is an independent third party certification scheme that assures performance, quality and traceability of fire protection products
## Mortice Lock MB7200 Series

### Available Functions

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<th>MB7220</th>
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<td><strong>Function</strong></td>
<td><strong>Function</strong></td>
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<td>Sashlock/Entry</td>
<td>Latch/Passage</td>
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<td><strong>Application</strong></td>
<td><strong>Application</strong></td>
</tr>
<tr>
<td>Suitable for latched doors requiring deadbolt locking security.</td>
<td>Suitable for latched doors remaining unlocked at all times.</td>
</tr>
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### EN12209:2003 Classification

<table>
<thead>
<tr>
<th>MB7210</th>
<th>MB7220</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 S 7 1 0 G 3 B C 2 0</td>
<td>3 S 7 1 0 G - B 0 2 0</td>
</tr>
</tbody>
</table>

### Illustration

#### From outside:
- Key operates deadbolt and latchbolt. Handle retracts latchbolt.
- Handle retracts latchbolt.

#### From inside:
- Key or thumbturn operates deadbolt and latchbolt. Handle retracts latchbolt.
- Handle retracts latchbolt.

*Dimensions in mm*
Mortice Lock MB7200 Series
Available Functions

**MB7230**

**Function**
Deadlock/Communicating

**Application**
Suitable for unlatched doors with deadbolt locking security.

**EN12209:2003 Classification**

| 3 | S | 7 | 1 | 0 | G | 3 | B | C | 0 | 0 |

**Illustration**

From outside:
Key operates deadbolt.

From inside:
Key or thumb-turn operates deadbolt.

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**MB7240**

**Function**
Bathroom/Privacy

**Application**
Suitable for bathroom door with deadbolt locking privacy. Emergency unlocking provided by coin release slot.

**EN12209:2003 Classification**

| 3 | S | 7 | 1 | 0 | G | - | B | 0 | 2 | 0 |

**Illustration:**

From outside:
Handle retracts latchbolt only. Indicator shows whether deadbolt locking is enabled.

From inside:
Handle retracts latchbolt. Thumb-turn operates deadbolt.

* Dimensions in mm
Mortice Lock MB7200 Series
Available Functions

MB7250

Function
Nightlatch/Storeroom

Application
Suitable for latched door with cylinder key operated access from outside and handle access from inside.

EN12209:2003 Classification

Illustration

From outside:
Key retracts latchbolt.

From inside:
Handle retracts latchbolt.

* Dimensions in mm
Mortice Lock MB7200 Series

**MB7210 Sashlock/Entrance**
72mm Center
- 55mm Backset: MB7210-55
- 60mm Backset: MB7210-60

**MB7220 Latch/Passage**
72mm Center
- 55mm Backset: MB7220-55
- 60mm Backset: MB7220-60

**MB7230 Deadlock/Communicating**
72mm Center
- 55mm Backset: MB7230-55
- 60mm Backset: MB7230-60

**MB7240 Bathroom/Privacy**
78mm Center
- 55mm Backset: MB7240-55
- 60mm Backset: MB7240-60

**MB7250 Nightlatch/Storeroom**
72mm Center
- 55mm Backset: MB7250-55
- 60mm Backset: MB7250-60
Mortice Lock MB8500 Series

Application
INOX MB8500 Series Mortice Lock is designed for frequent usage application such as commercial offices where potential misuse may take place.

Specifications and Features
- Modular case across functions for rapid door prepping and installation
- 85mm center, backset in 40/45/50/60mm
- 8mm sintered steel follower
- Easy* reversible latchbolt in Solid Brass
- Double throw deadbolt in solid steel with 20mm projection
- Suitable for sprung and light un-sprung lever furniture
- Stainless steel faceplate and strike in square and radius version (radius version improves door prep efficiency with machine routing)
- Compatible with bolt through furniture and escutcheons of 38mm center
*Convenient reversibility with no tools required

Standards and Certification
- Successfully type-tested for conformity to all of requirement of EN12209: 2003
- Successfully passed and exceeded 240-minutes fire test of metal fire door assemblies to EN1634-1: 2014
- CE Declaration of Conformity available upon request
- Meets the dimensional recommendations of BS8300 and Approved Document “M”
- INOX MD7200 series locks are approved by Certifire.* Certifire No. CF5373
- All EN/CE/Certifire tests performed independently and certified by Exova/Warrington Fire/Warrington APT. Test report/certificate are available upon request.
* Certifire is an independent third party certification scheme that assures performance, quality and traceability of fire protection products

Forend and Strike Finishes
Matching finish on latchbolt and deadbolt
32D
(630) Satin Stainless Steel
*Other finishes available upon request

Trim Options

Lever Options
Suitable with any INOX lever design
* Please refer to INOX EN Lever Handle catalogue for more detail on Lever and Trim options
**Mortice Lock MB8500 Series**

**Available Functions**

**MB8510**

**Function**
Sashlock/Entry

**Application**
Suitable for latched doors requiring deadbolt locking security.

**EN12209:2003 Classification**

| 3 | S | 7 | 1 | 0 | G | 3 | B | C | 2 | 0 |

**Illustration**

*From outside:* Key operates deadbolt and latchbolt. Handle retracts latchbolt.

*From inside:* Key or thumb-turn operates deadbolt and latchbolt. Handle retracts latchbolt.

**MB8520**

**Function**
Latch/Passage

**Application**
Suitable for latched doors remaining unlocked at all times.

**EN12209:2003 Classification**

| 3 | S | 7 | 1 | 0 | G | - | B | 0 | 2 | 0 |

**Illustration**

*From outside:* Handle retracts latchbolt.

*From inside:* Handle retracts latchbolt.

*Dimensions in mm*
Mortice Lock MB8500 Series
Available Functions

MB8530

Function
Deadlock/Communicating

Application
Suitable for unlatched doors with deadbolt locking security.

EN12209:2003 Classification
3 S 7 1 0 G 3 B C 0 0

Illustration

From outside:
Key operates deadbolt.

From inside:
Key or thumb-turn operates deadbolt.

MB8570

Function
Roller Latch

Application
Suitable for doors requiring roller bolt latching. Security provided by deadbolt locking.

Classification
3 S 7 1 0 G 3 B C 0 0

Illustration

From outside:
Key operates deadbolt.

From inside:
Key or thumb-turn operates deadbolt.

* Dimensions in mm
Mortice Lock MB8500 Series

**MB8510 Sashlock/Entrance**  
85mm Center  
40mm Backset: MB8510-40  
45mm Backset: MB8510-45  
50mm Backset: MB8510-50  
60mm Backset: MB8510-60

**MB8520 Latch/Passage**  
85mm Center  
40mm Backset: MB8520-40  
45mm Backset: MB8520-45  
50mm Backset: MB8520-50  
60mm Backset: MB8520-60

**MB8530 Deadbolt/Communicating**  
85mm Center  
40mm Backset: MB8530-40  
45mm Backset: MB8530-45  
50mm Backset: MB8530-50  
60mm Backset: MB8530-60

**MB8570 Roller Latch**  
85mm Center  
40mm Backset: MB8570-40  
45mm Backset: MB8570-45  
50mm Backset: MB8570-50  
60mm Backset: MB8570-60
Please visit our website
http://www.inoxproducts.com
for more technical and new product information.