Content

LOCKING SOLUTIONS FOR THE MOST DEMANDING APPLICATIONS ............ 4
CUSTOMIZATION THROUGH UNIQUE CYLINDER MECHANISM ................... 6
VARIOUS CYLINDER SYSTEMS FOR DIFFERENT SECURITY NEEDS ........... 8
THE RIGHT PRODUCT FOR EVERY APPLICATION .................................... 10
ABLOY® CAM LOCKS ............................................................................. 10
ABLOY® CABINET LOCKS ...................................................................... 18
ABLOY® KEY-OPERATED SWITCH LOCKS .............................................. 24
ABLOY® TIME DELAY LOCKS ................................................................. 26
ABLOY® SAFE DEPOSIT LOCKS ............................................................. 28
ABLOY® COIN OPERATED LOCKS .......................................................... 30
Locking solutions for the most demanding applications

Whether you need to secure your assets and revenue or critical data and infrastructure, you can always rely on ABLOY locking solutions.

Our wide range of mechanical cam locks, cabinet locks and safe deposit locks together with custom made solutions and the latest electronic features offer a high security solution into any application. Industrial locks can be keyed into the same master key system with padlocks, door cylinders and other ABLOY locks, and thus all products can be operated with just a single key. This simplifies your locking system and key management.

The rotating disc cylinder technology, patented key systems, strict key control and superior master keying capabilities provide high security and functionality. With no springs or pins to wear, jam or freeze, the cylinder mechanism provides a smooth and reliable maintenance free functionality and maximum resistance to even hostile and severe environments.
Customization through unique cylinder mechanism

Does your application require a special lock? We have been developing tailor made products closely with our customers for decades.

The unique ABLOY cylinder has been a symbol of high security and superior performance ever since its invention in 1907. The technology is based on the unique operating principle of rotating detainer discs which makes the cylinders bump proof and virtually pick proof.

While the core of the cylinder mechanism remains the same, the outer housing can be designed to meet the requirements of a multitude of applications, local standards and specific customer needs. Working closely with our customers allows us to develop customized products on many different levels. It may be a new configuration of the existing components or a completely new structure, for an existing system.

The goal is always a cost-effective total solution, which gives a significant competitive advantage.

Over the years Original Equipment Manufacturers and Professional End Users around the world have enjoyed the benefits of this flexibility of design and manufacturing.
Various cylinder systems for different security needs

**ABLOY® CLASSIC**
A general level of keying. Recommended for individual locking, such as a drawer or mailbox. Secure, reliable cylinder when key control is not a priority.

**ABLOY® SENTRY**
High security solution for industrial applications such as machines and devices. Duplication of keys is strictly controlled. Patented until 2027.

**ABLOY® NOVEL**
High security solution for public and private sector, whether it is a school, hospital, office or apartment. Duplication of keys is strictly controlled. Patented until 2027.

**ABLOY® PROTEC2 CLIQ™**
The ultimate locking solution offers highest security for professional end users. The mechanical features can be further enhanced by integration of the intelligent electronic identification, CLIQ technology. Patented until 2031.

<table>
<thead>
<tr>
<th>SECURITY LEVEL</th>
<th>MEDIUM</th>
<th>HIGH</th>
<th>SUPERIOR</th>
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<td><img src="image" alt="High Security" /></td>
<td><img src="image" alt="Superior Security" /></td>
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</table>
ABLOY® CAM LOCKS

ABLOY cam locks offer a solid locking solution for equipment and enclosures that require highest levels of security and functionality.

Cam locks are used in a variety of applications from industrial enclosures in harsh outdoor weather conditions to high security indoor applications such as revenue collecting equipment for example ticketing and gaming machines. ABLOY cam locks are always made with full metal (brass or steel) housing, making them the most robust and durable option in the market.

- Full metal housing
- Bump proof and virtually pick proof
- Drill protection
- One key fits all
<table>
<thead>
<tr>
<th>MODEL</th>
<th>KEY REMOVABLE</th>
<th>CAM TURNS</th>
<th>MATERIAL OF CYLINDER HOUSING</th>
<th>LEFT HAND OPERATION POSSIBLE</th>
<th>CYLINDER TYPE</th>
<th>PAT LEFT HAND operation possible</th>
<th>PAT RIGHT HAND operation possible</th>
<th>DIMENSIONS</th>
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<tbody>
<tr>
<td>CL100</td>
<td>LOCKED</td>
<td>90°/180°</td>
<td>BRASS</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IN LOCKED AND UNLOCKED</td>
<td>360°</td>
<td>BRASS</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
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<td>CL103</td>
<td>LOCKED</td>
<td>90°/180°</td>
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<td>X</td>
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<tr>
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<td>360°</td>
<td>BRASS</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>CL104</td>
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<td>BRASS</td>
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<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
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<td>STEEL</td>
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<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>CL107</td>
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<td>360°</td>
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<td>x</td>
<td></td>
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<td>X</td>
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<td>X</td>
<td>X</td>
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<tr>
<td>CL203</td>
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<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
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</table>
Integration with electro-mechanical CLIQ technology.

ABLOY® PROTEC2 can be integrated with electronic CLIQ technology, which enables flexible and secure access management, including time functions. It lifts locking security to a whole new level.

ABLOY T-handle locks are ideal for vending machines and other locking handle applications. Steel bolt provides maximum resistance against attack by pulling.
### CAM TURNS

**Locked position**

**Open position**

### DIMENSIONS OF FITTING HOLE

**Cylinder face**

**Cylinder end**

### SPECIAL ACCESSORIES

Special accessories are made of chrome plated steel.

- **Fitting plate 441345**
- **Protective collar 804757**
- **Lifting sleeve 804252**
- **Lifting sleeve B127B0**

### CAMS

For cam locks in the universal range, three different cam models available: straight, hooked and offset. Cams are made of nickel plated steel. Cams for the U.S. range of cam locks are available in the U.S. sales office.

### Straight cam

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>B</th>
<th>Offset cam</th>
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<tbody>
<tr>
<td>456808</td>
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<td>45678</td>
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<td>434816</td>
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<td>22.5</td>
<td>434819</td>
</tr>
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<td>35</td>
<td>27</td>
<td>455335</td>
</tr>
<tr>
<td>456409</td>
<td>38</td>
<td>30</td>
<td>456499</td>
</tr>
<tr>
<td>454794</td>
<td>40</td>
<td>32</td>
<td>456526</td>
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</tr>
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<td>455548</td>
<td>48</td>
<td>40</td>
<td>454799</td>
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<td>53</td>
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<td>455557</td>
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<td>456506</td>
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<td>60</td>
<td>454697</td>
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### Hooked cam

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<th>Part No.</th>
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<td>27</td>
<td>20.5</td>
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<td>456482</td>
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<td>28</td>
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<td>454818</td>
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<td>33</td>
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<td>456780</td>
<td>58</td>
<td>50</td>
<td>45.5</td>
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<tr>
<td>455549</td>
<td>60.5</td>
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### U.S. SPECIFICATIONS

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
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</thead>
<tbody>
<tr>
<td>22</td>
<td>16</td>
<td>7 x 7</td>
</tr>
</tbody>
</table>

### FITTING PLATES

**Fitting plate 441345**

**Protective collar 804757**

**Lifting sleeve 804252**

**Lifting sleeve B127B0**

- **413807**
  - For use with plastic ring
  - Available also with brass finish, product number: 413808
  - Material: Chrome plated steel

- **455328**
  - Used inside of a wooden door to prevent the lock from rotating
  - Fixed by screws through the upper holes of the plate
  - Material: Zinc-plated steel

- **434813**
  - Used mostly as replacement for cam locks of universal specifications
  - Normally used on both sides of the mounting hole
  - Material: Zinc-plated steel
ABLOY®
CABINET LOCKS

The comprehensive ABLOY cabinet lock product range with versatile adjusting options offers endless possibilities for secure, functional, aesthetic locking solution.

Cabinet locks are used in variety of applications from high security indoor applications such as retail and museum fixtures to industrial enclosures in harsh outdoor weather conditions. ABLOY cabinet locks have a uniform, exquisite design which meet the quality and design requirements of our customers.
### ABLOY® CABINET LOCKS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>BOLT MATERIAL</th>
<th>TYPE OF BOLT</th>
<th>MAX. INST. THICKNESS</th>
<th>FINISHING</th>
<th>TYPE OF THE DOOR</th>
<th>CYLINDER</th>
<th>DIMENSIONS</th>
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<td>OF230</td>
<td>NICKEL PLATED STEEL</td>
<td>FLAT</td>
<td>25 mm</td>
<td>CHROME PLATED ZINC</td>
<td>SWING DOOR, DRAWER</td>
<td>X</td>
<td>X</td>
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<tr>
<td>OF220</td>
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<td>FLAT</td>
<td>19 mm</td>
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<tr>
<td>OF231</td>
<td>BRASS</td>
<td>SPRING LATCH</td>
<td>25 mm</td>
<td>CHROME PLATED ZINC</td>
<td>SWING DOOR, DRAWER</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>OF221</td>
<td>BRASS</td>
<td>SPRING LATCH</td>
<td>19 mm</td>
<td>CHROME PLATED ZINC</td>
<td>SWING DOOR, DRAWER</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>OF232</td>
<td>NICKEL PLATED STEEL</td>
<td>FLAT</td>
<td>8 mm</td>
<td>CHROME PLATED ZINC</td>
<td>SWING DOOR</td>
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<td>X</td>
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<tr>
<td>OF222</td>
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<td>CHROME PLATED ZINC</td>
<td>SWING DOOR</td>
<td>X</td>
<td>X</td>
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<tr>
<td>OF234</td>
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<td>CHROME PLATED ZINC</td>
<td>DRAWER</td>
<td>X</td>
<td>X</td>
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<tr>
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<td>NICKEL PLATED STEEL</td>
<td>DOUBLE HOOK</td>
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<td>CHROME PLATED ZINC</td>
<td>SLIDING DOOR, SWING DOOR</td>
<td>X</td>
<td>X</td>
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<td>CHROME PLATED ZINC</td>
<td>SLIDING DOOR</td>
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<td>X</td>
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<tr>
<td>OF420</td>
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<td>CHROME PLATED ZINC</td>
<td>SLIDING DOOR</td>
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<tr>
<td>OF431</td>
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<td>2–9 mm</td>
<td>CHROME PLATED ZINC</td>
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<td>X</td>
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<td>OF421</td>
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<tr>
<td>OF423</td>
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<tr>
<td>OF433</td>
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<td>CHROME PLATED ZINC</td>
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</tbody>
</table>
Integration with electro-mechanical CLIQ technology.

ABLOY PROTEC® can be integrated with electronic CLIQ technology, which enables flexible and secure access management, including time functions. It lifts locking security to a whole new level.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>BOLT MATERIAL</th>
<th>TYPE OF BOLT</th>
<th>MAX. INST. THICKNESS</th>
<th>FINISHING</th>
<th>TYPE OF THREAD</th>
<th>MAX. TIGHT. TORQUE</th>
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<td>CHROME PLATED ZINC</td>
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<td>OFL241</td>
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<td>CHROME PLATED ZINC</td>
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<td>OFL244</td>
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<td>DRAWER</td>
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<tr>
<td>OFL245</td>
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<td>DOUBLE HOOK</td>
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<td>OFL430</td>
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<td>25 mm</td>
<td>CHROME PLATED ZINC</td>
<td>SWING DOOR</td>
<td>X</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

**STRIKER PLATES**

- **Material**: Nickel plated steel
- **Sizes**:
  - 802330
  - 434987
  - 434981
  - 434980
  - 455365

- **Types**:
  - 802330
  - 434987
  - 434981
  - 434980
  - 455365

**ESCUCHON RING**

- **Sizes**:
  - 401746 Chrome plated brass: Used with 22 mm diameter products, length 8 mm
  - 413529 Chrome plated brass: Used with 20 mm diameter products, length 8 mm
  - 413571 Chrome plated brass: Used with 20 mm diameter products, length 18 mm

- **Types**:
  - 401746 Chrome plated brass
  - 413529 Chrome plated brass
  - 413571 Chrome plated brass
  - 401930

**KEEP 401930**

- **Material**: Nickel plated brass
- **Type**: Stainless steel

**LIFTING PLATE 814639**

- **Material**: Plastic
- **Quantity per packing**: 10
ABLOY® KEYOPERATED SWITCH LOCKS

ABLOY® key-operated switch locks offer a solid locking solution for burglar alarms, control boxes and other high security applications.

Switch locks are used in variety of applications where on-off switch function is required. They have same uniform design, are available with CLASSIC, SENTRY and PROTEC key systems and can be keyed with other ABLOY cam and cabinet locks.

INDUSTRIAL AND COMMERCIAL APPLICATIONS

The key can only be removed in the off position of the switch. The locks can be mounted on objects with a thickness of 0.5 to 22 mm.

The key can be removed in both positions of the switch (on / off). The locks can be mounted on objects with a thickness of 0.5 to 22 mm.

The key can only be removed in the off position of the switch. The locks can be mounted on objects with a thickness of 0.5 to 22 mm.

--- | --- | --- | ---
MATERIAL OF CYLINDER HOUSING | CHROME PLATED STEEL | CHROME PLATED STEEL | CHROME PLATED STEEL
CYLINDER FACE | CASE-HARDENED CHROME PLATED STEEL | CASE-HARDENED CHROME PLATED STEEL | CASE-HARDENED CHROME PLATED STEEL
LATCH | NICKEL PLATED STEEL | NICKEL PLATED STEEL | NICKEL PLATED STEEL

ABLOY® CLASSIC X X X
ABLOY® SENTRY PAT X X X
ABLOY® PROTEC PAT X X X

DIMENSIONS

Circuit diagram

C = COMMON
NO = NORMALLY OPEN
NC = NORMALLY CLOSED

Chamber is designed for

- Full metal housing
- Bump proof
- And virtually pick proof

Patented Key System

Patented Key System

Patented Key System

Patented Key System

Patented Key System

Patented Key System

Patented Key System

Patented Key System

Patented Key System

Patented Key System

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ABLOY®
TIME DELAY
LOCKS

ABLOY® time delay locks offer time protection in businesses that deal with money and valuables.

Time delay locks are used in variety of applications such as cash boxes, safes, connection boxes and gaming machines. EP310 is designed for applications that requires high security locking with time protection. EP312 offers mechanical key security combined with electrical control to prevent unauthorised use of the key. Locks are available with CLASSIC and SENTRY key systems and can be keyed with other ABLOY cam and cabinet locks.

<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CURRENT CONSUMPTION</td>
<td>-</td>
<td>240 mA</td>
<td>240 mA</td>
</tr>
<tr>
<td>MIN. PULSE DURATION</td>
<td>-</td>
<td>0.4 s</td>
<td>0.4 s</td>
</tr>
<tr>
<td>OPER. VOLTAGE</td>
<td>9 V</td>
<td>6–12 V</td>
<td>-</td>
</tr>
<tr>
<td>CABLE LENGTH</td>
<td>19 cm</td>
<td>100 cm</td>
<td>-</td>
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<table>
<thead>
<tr>
<th>CYLINDER TYPE</th>
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</thead>
<tbody>
<tr>
<td>ABLOY® CLASSIC</td>
</tr>
<tr>
<td>ABLOY® SENTRY</td>
</tr>
<tr>
<td>ABLOY® PROTEC®</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
</tr>
</thead>
</table>

RETAIN AND BANKING

ELECTRO-MECHANICAL
FULL METAL HOUSING
BUMP PROOF AND VIRTUALLY PICK PROOF
ABLOY® SAFE DEPOSIT LOCKS

ABLOY safe deposit locks offer a solid locking solution for banks and other operators that require highest levels of security and functionality.

ABLOY safe deposit locks are equipped with deadbolt latches and ABLOY patented rotating disc technology cylinders. Virtually pick proof, these locks set the industry standard for securing you and your customers’ most valuable content and assets. Available with single cylinder or two mechanically operated cylinders.

SAFE DEPOSITS, HIGH SECURITY APPLICATIONS
ABLOY® COIN OPERATED LOCKS

ABLOY coin operated locks offer a secure, functional and durable locking solution for safekeeping.

Coin operated locks are used in variety of applications such as lockers, storage boxes and cabinets. Locks have several different coin identifiers and are available with coin trays and coin boxes. Equipped with deadbolt latches and reliable ABLOY patented rotating disc technology cylinders, they meet the industry standards for securing valuables.

**Lockers Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>SC410</th>
<th>SC411</th>
<th>SC412</th>
<th>SC413</th>
<th>SC410</th>
<th>SC411</th>
<th>SC412</th>
<th>SC413</th>
<th>SC414</th>
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</thead>
<tbody>
<tr>
<td>Max. Door Thickness (A)</td>
<td>14.5 mm</td>
<td>18 mm</td>
<td>14.5 mm</td>
<td>18 mm</td>
<td>14.5 mm</td>
<td>18 mm</td>
<td>14.5 mm</td>
<td>18 mm</td>
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<tr>
<td>Handing</td>
<td>RIGHT</td>
<td>RIGHT</td>
<td>LEFT</td>
<td>LEFT</td>
<td>RIGHT</td>
<td>RIGHT</td>
<td>LEFT</td>
<td>LEFT</td>
<td></td>
</tr>
<tr>
<td>Coin Return</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Retained (BO0596)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Cylinder Type</td>
<td>ABLOY® Classic</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>ABLOY® Sentry</td>
<td>PAT</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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</tbody>
</table>

**Dimensions**

- FULL METAL HOUSING
- BUMP PROOF AND VIRTUALLY PICK PROOF
ABLOY offers security and locking innovations dedicated to creating more trust in the world. Combining digital and mechanical expertise, Abloy Oy develops industry-leading security solutions that protect people, property and business. Abloy is part of the ASSA ABLOY Group, the global leader in access solutions. Every day, we help billions of people experience a more open world.

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