White paper

Locking System

White paper
Preface

In terms of metal cabinets, enclosures and panels, most locking devices evolved from domestic architectural designs or were based on products developed for the motor industry. It was only with the advent of CNC technology that panel builders would start to benefit from a modular approach to design and produce locks specifically for the enclosures industry.

The advent of CNC technology prompted a major change in the way the panel and the enclosures were produced and allowed the manufacturers to design and mass-produce cabinets that would accept the new breed of modular, interchangeable access hardware that had recently become available to panel builders. This means that different quarter-turn locks, lever and handle tee could be specified and it would all fit the same, single panel cut-out.

Enclosures are all around us and are a generic term for a lockable industrial box that protect mechanical or electrical equipment.

Table of contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>4</td>
</tr>
<tr>
<td>Easy Integration</td>
<td>4</td>
</tr>
<tr>
<td>Benefits</td>
<td>4</td>
</tr>
<tr>
<td>Floor standing</td>
<td>Mild steel</td>
</tr>
<tr>
<td>Floor standing</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Floor standing</td>
<td>Aluminum</td>
</tr>
<tr>
<td>Wall mounted</td>
<td>Mild steel</td>
</tr>
<tr>
<td>Wall mounted</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Wall mounted</td>
<td>Polyester compact</td>
</tr>
<tr>
<td>Wall mounted</td>
<td>Polyester modular</td>
</tr>
<tr>
<td>Wall mounted</td>
<td>Aluminium glazed doors</td>
</tr>
<tr>
<td>Wall mounted</td>
<td>Padlocking</td>
</tr>
<tr>
<td>Wall mounted</td>
<td>Alternative keys</td>
</tr>
</tbody>
</table>
Introduction

As a specialist manufacturer of enclosures, our company supplies a wide variety of enclosures for industrial and OEM applications. Our product range is extensive and includes different types of enclosures and many bespoken solutions, in order to meet diverse requirements.

We offer a wide range of locking systems, designed for quick closure, secure in applications where vibration, sealing and quality are essential, designed to suit specific installation requirements and applications.

Easy Integration

Because of the huge range of available locking options, it is possible that there is a solution for virtually any application. However, following points should be considered:

- Material:
  - Polyamide (PA) – most cost-effective;
  - Zinc die cast – more robust than PA;
  - Stainless Steel – stronger and corrosion resistant;
- IP sealing;
- Compatibility between locks and inserts;
- For right or left use;
- Industrial applications.

Benefits

These latches deliver affordable simplicity, including quick access with just a quarter-turn, and versatility of multiple body materials:

- Available in multiple sizes in order to provide strength, grip, and appropriate pull-up compression for a large variety of door sizes;
- Numerous head styles providing a wide range of access management security;
- Multiple pawl options and adjustable pawl positioning enabling a single latch model to accommodate a wide variety of grip dimensions;
- Some styles available in locking models for more secure access control;
- Some models available for use in NEMA 4 and IP-65 or IP-66 applications;
- Single-hole mounting, easy to install;
- Models available to accommodate 2- and 3-point compression latching.

Floor Standing | Mild steel

The locking system is compatible with locking inserts and is equipped with an enhanced security ‘click’ indicator which makes users aware that the locking system is either fully opened or closed.

Standard lock cover DB3

The lock comes with red solid covers at the top and bottom. Transparent covers can be removed in order to insert the company name or logo, which then is secured into position by remounting the transparent cover.

For control mechanism

For insert

LLH500

Alternative inserts for standard lock cover

Lock inserts can substitute the standard insert. Inserts have a chrome finish.

<table>
<thead>
<tr>
<th>Insert Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L503</td>
<td>Lock insert, 3 mm double bit</td>
</tr>
<tr>
<td>L505</td>
<td>Lock insert, 5 mm double bit</td>
</tr>
<tr>
<td>L523</td>
<td>Lock insert, 7 mm square</td>
</tr>
<tr>
<td>L524</td>
<td>Lock insert, 8 mm square</td>
</tr>
<tr>
<td>L526</td>
<td>Lock insert, 7 mm triangle</td>
</tr>
<tr>
<td>L527</td>
<td>Lock insert, 8 mm triangle</td>
</tr>
<tr>
<td>L530</td>
<td>Lock insert, Daimler Benz</td>
</tr>
</tbody>
</table>
Handles

The lift handles are very durable and give high performance for a fairly long period. They can be used with the corresponding design of door and frame for left or right hinged doors. The locking system can be exchanged quick and easily.

Available handles:

- Lift handle for round cylinder
- Lift handle for half cylinder
- T handle

Lift handle compatible with round cylinder

The lifting handles for mild steel enclosures are made in Zamak and use RAL 5013 finishing. The lift handles enhance the smooth motion when opening and closing the enclosure door even further. The lifting handle is available with or without padlocking.

For control mechanism

For Round cylinder

Can be or is equipped with padlock

LLH501N  LLH503N

Available round cylinder:

The lift handle must be completed with an insert. The insert will be chosen based on the customer requirements from the project.

- LHC522  Ronis round prof cyl Key 21323C
- LHC523  Cylinder insert, 7 mm square
- LHC524  Cylinder insert, 8 mm square
- LHC526  Cylinder insert, 7 mm triangle
- LHC527  Cylinder insert, 8 mm triangle
- LHC528  Insert DIN 3 mm
- LHC529  Insert DIN 5 mm
- LHC530  Cylinder insert, Daimler Benz
- LHC536  Push button insert

Note: See annex 2.
Floor Standing | Mild steel

**Lift handle compatible with half cylinder**
The lifting handles for mild steel enclosures are made in Zamak and use RAL 5013 finishing. The lift handles enhance the smooth motion when opening and closing the enclosure door even further.
The lift handle is available with or without padlocking.

- **For control mechanism**
- **For half cylinder**
- **Can be or is equipped with padlock**

**Available half cylinder:**
The lift handle must be completed with an insert. The insert will be chosen, based on customer requirements in the project.

- LHC521 Ronis half prof cyl. Key 21323C
- LHC533 Cylinder insert, VW (no key)
- LHC534 Adapter half prof cyl DIN18252
- LHC535 Adapter Assa Abloy cylinders
- LHC521321E Ronis half prof cyl. Key 2132E
- LHC5213121E Ronis half prof cyl. Key 3121E
- LHC5213524E Ronis half prof cyl. Key 3524E

**Note 1:** See annex 2.
**Note 2:** The locking system is compatible with other RONIS half cylinders. To use a different half cylinder, a plastic adapter must be ordered. The adapter is available as accessory in our portfolio.

---

**T-handle**
The T-handle is made in plastic using RAL 5013 finishing. This T-handle replaces the standard door lock cover and is available in two versions.

- **For control mechanism**
- **T-handle with key**
- **T-handle without key**

**Available half cylinder:**
The lift handle must be completed with an insert. The insert will be chosen, based on customer requirements in the project.

- LLTH560N T-handle, key C21323
- LLTH5602132EN T-handle, key 2132E
- LLTH5603121EN T-handle, key 3121E
- LLTH5603524EN T-handle, key 3524E
- LLTH560CEN T-handle, without cylinder

**Note:** See annex 2.
Floor Standing | Stainless steel

The locking system is compatible with locking inserts and is equipped with an enhanced security ‘click’ indicator which makes users aware that the locking system is either fully opened or closed.

### Standard lock cover

The standard cover for stainless steel enclosures is made in stainless steel.

Replacement part number 53324 (see replacement catalogue), minimum order quantity - 10 pcs.

### Alternative inserts for standard lock cover

Lock inserts can substitute the standard insert. Inserts have a chrome finish.

- **LI503**  |  Lock insert, 3 mm double bit
- **LI505**  |  Lock insert, 5 mm double bit
- **LI523**  |  Lock insert, 7 mm square
- **LI524**  |  Lock insert, 8 mm square
- **LI526**  |  Lock insert, 7 mm triangle
- **LI527**  |  Lock insert, 8 mm triangle
- **LI530**  |  Lock insert, Daimler Benz

### Handles

The lift handles are very durable and give high performance for a fairly long period.

Handles can be used with the corresponding design of door and frame for left or right hinged doors. The locking system can be exchanged quick and easily.

**Available handles:**

- Lift handle for round cylinder
- Lift handle for half cylinder
- T-handle
**Floor Standing | Stainless steel**

**Lift handle compatible with round cylinder**

The lifting handle for stainless steel enclosures is made in Zamak and with stainless steel finishing. The lift handles enhance the smooth motion when opening and closing the enclosure door even further.

<table>
<thead>
<tr>
<th>Lift handle</th>
<th>Description</th>
<th>Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLHS501N</td>
<td>Available round cylinder:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The lift handle must be completed with an insert. The insert will be chosen based on the customer requirements from the project.</td>
<td></td>
</tr>
<tr>
<td>LHC522</td>
<td>Ronis round prof cyl. Key 21323C</td>
<td></td>
</tr>
<tr>
<td>LHC523</td>
<td>Cylinder insert, 7 mm square</td>
<td></td>
</tr>
<tr>
<td>LHC524</td>
<td>Cylinder insert, 8 mm square</td>
<td></td>
</tr>
<tr>
<td>LHC526</td>
<td>Cylinder insert, 7 mm triangle</td>
<td></td>
</tr>
<tr>
<td>LHC527</td>
<td>Cylinder insert, 8 mm triangle</td>
<td></td>
</tr>
<tr>
<td>LHC528</td>
<td>Insert DIN 3 mm</td>
<td></td>
</tr>
<tr>
<td>LHC529</td>
<td>Insert DIN 5 mm</td>
<td></td>
</tr>
<tr>
<td>LHC530</td>
<td>Cylinder insert, Daimler Benz</td>
<td></td>
</tr>
<tr>
<td>LHC536</td>
<td>Push button insert</td>
<td></td>
</tr>
</tbody>
</table>

**Floor Standing | Stainless steel**

**Lift handle compatible with half cylinder**

The lifting handles for stainless steel enclosures are made in Zamak and stainless steel finishing. The lift handles enhance the smooth motion when opening and closing the enclosure door even further.

The lifting handle is available with or without padlocking.

<table>
<thead>
<tr>
<th>Lift handle</th>
<th>Description</th>
<th>Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLHS502N</td>
<td>Available half cylinder:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The lift handle must be completed with an insert. The insert will be chosen, based on customer requirements in the project.</td>
<td></td>
</tr>
<tr>
<td>LHC521</td>
<td>Ronis half prof cyl. Key 21323C</td>
<td></td>
</tr>
<tr>
<td>LHC533</td>
<td>Cylinder insert, VW (no key)</td>
<td></td>
</tr>
<tr>
<td>LHC534</td>
<td>Adapter half prof cyl DIN18252</td>
<td></td>
</tr>
<tr>
<td>LHC535</td>
<td>Adapter Assa Abloy cylinders</td>
<td></td>
</tr>
<tr>
<td>LHC532132E</td>
<td>Ronis half prof cyl. Key 2132E</td>
<td></td>
</tr>
<tr>
<td>LHC5313131E</td>
<td>Ronis half prof cyl. 3113A</td>
<td></td>
</tr>
</tbody>
</table>

Notes:

1. See Annex 2.
2. The locking system is compatible with other Ronis half cylinders. To use another half cylinder, a plastic adapter must be ordered. The adapter is available as accessory in our portfolio.
**Floor Standing | Stainless steel**

The T-handle is made in plastic using RAL 5013 finishing. This T-handle replaces the standard door lock cover and is available in two versions.

**For control mechanism**

**T-handle with key**

- LLTH560N  T-handle, key C21323
- LLTH562132EN  T-handle, key 2132E
- LLTH563132EN  T-handle, key 3121E
- LLTH5633524EN  T-handle, key 3354E

**T-handle without key**

- LLTH560CEN  T-handle, without cylinder

*Note: See Annex 2.*

**Floor Standing | Aluminium, Compact version**

The Swing handles nest into the housing for minimal protrusion and pop-up to swing smoothly for easy latch actuation. Robust die-cast zinc construction provides durable, corrosion-resistant performance, with optional gasketing for indoor or outdoor use.

**Standard Swing Handle**

Swing handle for 40 mm profile half cylinder zinc die black powder coated, cap polyamide black, with seal.

**For control mechanism**

- For half cylinder

**Handle rotation**

LSC505

**Swing Handle With Padlocking**

Swing handle for 40 mm profile half cylinder AISI 316, shaft and padlock shackle AISI 303, cap polyamide black, with seal.

**For control mechanism**

- For half cylinder

**With padlock**

LSC506

**Standard Insert For Swing Handle**

Half cylinder with round cylinder zinc-died, stainless steel cap and dust cap. The key is only removable in locked position, spring loaded return of latch into locked position.

- EKOMLKN01  Half cylinder
Floor Standing | Aluminium, Combinable version

Lift handle compatible with half cylinder

The lifting handles for aluminium enclosures are made in Zamak and stainless steel finishing. The lift handles enhance the smooth motion when opening and closing the enclosure door even further.

The lift handle is available with or without padlocking.

For control mechanism

For half cylinder

LH5502N

Available half cylinder:
The lift handle must be completed with an insert. The insert will be chosen, based on customer requirements in the project.

LH5321 Ronis half prof cyl. Key 21323C
LH533 Cylinder insert, VW (no key)
LH534 Adapter half prof cyl DIN18252
LH535 Adapter Assa Abloy cylinders
LH5312132E Ronis half prof cyl. Key 2132E
LH5313131E Ronis half prof cyl. 3113A

Note 1: See Annex 2.

Note 2: The locking system is compatible with other Ronis half cylinders. To use a different half cylinder, a plastic adapter must be ordered. The adapter is available as accessory in our portfolio.

Wall Mounted | Mild steel

Quarter-turn lock for right or left deployment. The lock can be installed pre-assembled. The fastening nut provides earthing by scratching the door paint. Installation into a single punched hole.

Standard Cam Lock

The body of these locks is manufactured from Zamak in RAL 9005 finishing. The cam pulls the door closed using a light compression force.

Protection degree IP 66

Universal LH / RH

Alternative inserts for standard cam lock

| ALIS503 | Lock insert DIN 3 mm zamak chrome plated |
| ALIS505 | Lock insert DIN 5 mm zamak chrome plated |
| ALIS523 | Lock insert square 7 mm zamak chrome plated |
| ALIS524 | Lock insert triangle 8 mm zamak chrome plated |
| ALIS525 | Lock insert square 8 mm zamak chrome plated |
| ALIS528 | Lock insert slotted 2x4 mm zamak chrome plated |
Alternative Cam lock
Cam locks are designed for a wide variety of applications including drawers, doors, access panels, storage boxes and so on. These alternative CAM locks can replace the standard lock, using the same cutout.

**ALL508 - Lock, chrome, Ronis key M21323**
Not suitable for MAD because there is quite some resistance for the small key. Body too long (20 mm instead of 18 mm).

- Protection degree IP 65
- Universal LH / RH

**ALL509 - Lock, polyamide, Ronis key 5333**
Not suitable for MAD because there is quite some resistance for the small key. Body too long (20 mm instead of 18 mm).

- Protection degree IP 65
- Universal LH / RH

**ALL510N - Lock, Ronis C21323**
Not suitable for MAD because there is quite some resistance for the small key.

- Protection degree IP 65
- Universal LH / RH

**ALLS304 - Lock Stainless steel, DIN 3 mm**

- Protection degree IP 65
- Universal LH / RH

**ALLS316 - Lock Stainless steel 316L, DIN 3 mm**

- Protection degree IP 66
- Universal LH / RH

Alternative T-handle And Wing Knob
Universal: Clockwise or counter-clockwise rotation when opening or closing. Compatible with the cutout from the standard lock. Ergonomic design enables firm grip when pulled. Supplied with two keys.

**ALT560 - T-handle, plastic**

- Protection degree IP 66
- Universal LH / RH

**ALT561 - T-handle, chrome, Ronis key M21323**

- Protection degree IP 65
- Universal LH / RH

**ALT562 - Compact Wing knob, chrome, Ronis key M21323**

- Protection degree IP 65
- Universal LH / RH

**ALT563 - Compact Wing knob, plastic, Ronis key 5333**

- Protection degree IP 65
- Universal LH / RH
ALT564 - Wing knob for padlock, zinc die black coated

Protection degree IP 66

Universal LH / RH

ALT565 – Handle for half cylinder, plastic

Protection degree IP 65

Universal LH / RH

The handle must be completed with an insert acc. to DIN 18252.

Swing Handle ALS500

To replace the standard lock, an additional hole Ø 46 mm is required, removing the door profile on the lock side and notch from standard latch.

Protection degree IP 65

For cam lock

For round cylinder

Universal LH / RH

Handle rotation

Available half cylinder:
The Swing handle must be completed with an insert. The insert will be chosen based on the customer requirements from the project.

LSSU521 Half cylinder Ronis 21323C
LSSU522 Ronis Round Prof inserts 21323C
LSSU523 Half cylinder Square 7 mm
LSSU524 Half cylinder Square 8 mm
LSSU526 Half cylinder Triangle 7 mm
LSSU527 Half cylinder Triangle 8 mm
LSSU528 Half cylinder DIN 3 mm
LSSU529 Half cylinder DIN 5 mm
LSSU530 Half cylinder

Note: Other keys are available on request.
Wall Mounted | Mild steel

Swing Handle for Scandinavian Oval Cylinder
To replace the standard lock. Swing handle for 6- or 7-pin cylinder. Glass fiber reinforced polyamide, black. Integrated PUR gasket. Equipped with a soft cover to protect the cylinder from dust and rain. An additional hole Ø 43 mm is required, removal of the door profile on the lock side and removal of the cam with stopper from the standard lock.

- Protection degree IP 65
- For cam lock
- For ASSA cylinder
- Universal LH / RH
- Handle rotation

Available half cylinder:
- Insert: The swing handle must be completed with a Scandinavian oval 6- or 7-pin cylinder. The insert will be chosen based on the customer requirements from the project.
- Cam: A cam without stopper is required.

Wall Mounted | Stainless steel

Quarter-turn lock for right or left deployment. The lock can be installed pre-assembled. The fastening nut is an earthing nut with teeth on one side and allows installation into a single punched hole.

Standard Cam Lock
The body of these locks is manufactured from Zamak finishing. The cam pulls the door closed using a light compression force.

- Protection degree IP 66
- Universal LH / RH

Available half cylinder:
- Insert: The swing handle must be completed with a Scandinavian oval 6- or 7-pin cylinder. The insert will be chosen based on the customer requirements from the project.
- Cam: A cam without stopper is required.

Alternative inserts for standard cam lock:
- ALIS503: Lock insert DIN 3 mm zamak chrome plated
- ALIS505: Lock insert DIN 5 mm zamak chrome plated
- ALIS523: Lock insert square 7 mm zamak chrome plated
- ALIS524: Lock insert triangle 8 mm zamak chrome plated
- ALIS525: Lock insert square 8 mm zamak chrome plated
- ALIS528: Lock insert slotted 2x4 mm zamak chrome plated
**Alternative Cam lock**

Cam Locks are designed for a wide variety of applications including drawers, doors, access panels, storage boxes and so on. These alternative CAM locks can replace the standard lock, using the same cutout.

**ALL508 - Lock, chrome, Ronis key M21323**  
Not suitable for MAD, because there is quite some resistance for the small key. Body too long (20 mm instead of 18 mm).

- Protection degree IP 65  
- Universal LH / RH

**ALL509 - Lock, polyamide, Ronis key 5333**  
Not suitable for MAD, because there is quite some resistance for the small key. Body too long (20 mm instead of 18 mm).

- Protection degree IP 65  
- Universal LH / RH

**ALL510 - Lock, Ronis C21323**  
Not suitable for MAD, because there is quite some resistance for the small key.

- Protection degree IP 65  
- Universal LH / RH

**ALL5304 - Lock Stainless steel, DIN 3 mm**  

- Protection degree IP 65  
- Universal LH / RH

**ALL5316 - Lock Stainless steel 316L, DIN 3 mm**  

- Protection degree IP 66  
- Universal LH / RH

---

**Alternative T-handle And Wing Knob**

Universal: Clockwise or counter-clockwise rotation when opening or closing. Compatible with the cutout from the standard lock. Ergonomic design enables firm grip when pulled. Supplied with two keys.

**ALT560 - T-handle, plastic**  
Not suitable for AFS, due to missing quarter-turn limitation.

- Protection degree IP 66  
- Universal LH / RH

**ALT561-316 T-Handle, AISI 316, key 333**

- Protection degree IP 65  
- Universal LH / RH

**ALT562 - Compact Wing knob, chrome, Ronis key M21323**

- Protection degree IP 65  
- Universal LH / RH

**ALT563 - Compact Wing knob, plastic, Ronis key 5333**

- Protection degree IP 65  
- Universal LH / RH

**ALT564-316 - Wing knob for padlock, stainless steel 316**

- Protection degree IP 65  
- Universal LH / RH
Swing Handle ALS500

To replace the standard lock, an additional hole Ø 46 mm is required, removing the door profile on the lock side and notch from standard latch.

Protection degree IP 65

For cam lock

For half cylinder

Universal LH / RH

Handle rotation

Available half cylinder:
The Swing handle must be completed with an insert. The insert will be chosen based on the customer requirements from the project.

LSSU521 Half cylinder Ronis 21323C
LSSU522 Ronis Round Prof inserts 21323C
LSSU523 Half cylinder Square 7 mm
LSSU524 Half cylinder Square 8 mm
LSSU526 Half cylinder Triangle 7 mm
LSSU527 Half cylinder Triangle 8 mm
LSSU528 Half cylinder DIN 3 mm
LSSU529 Half cylinder DIN 5 mm
LSSU530 Half cylinder

Note: Other keys are available on request.

Swing Handle for Scandinavian Oval Cylinder

To replace the standard lock. Swing handle for 6- or 7-pin cylinder. Glass fiber reinforced polyamide, black. Integrated PUR gasket. Equipped with a soft cover to protect the cylinder from dust and rain. An additional hole Ø 43 mm is required, removal of the door profile on the lock side and removal of the cam with stopper from the standard lock.

Protection degree IP 65

For cam lock

For ASSA cylinder

Universal LH / RH

Handle rotation

Available half cylinder:
The swing handle must be completed with a Scandinavian oval 6- or 7-pin cylinder. The insert will be chosen based on the customer requirements from the project.

Insert:
The swing handle must be completed with a Scandinavian oval 6- or 7-pin cylinder. The insert will be chosen based on the customer requirements from the project.

Cam:
A cam without stopper is required.
### Wall Mounted | Polyester Compact

Quarter-turn lock for right or left deployment. The lock can be installed pre-assembled. The fastening nut is an earthing nut with teeth one side. It allows installation into a single punched hole.

### Standard Cam Lock

The body of these locks is manufactured from black polyamide. The cam pulls the door closed using a light compression force.

- **Alternative Inserts For Cam Lock For UCP/UCPT 320 And 430**
  - ALIS503: Lock insert DIN 3 mm zamak chrome plated
  - ALIS505: Lock insert DIN 5 mm zamak chrome plated
  - ALIS523: Lock insert square 7 mm zamak chrome plated
  - ALIS524: Lock insert triangle 8 mm zamak chrome plated
  - ALIS525: Lock insert square 8 mm zamak chrome plated
  - ALIS528: Lock insert slotted 2x4 mm zamak chrome plated

- **Alternative Inserts For Cam Lock For UCP/UCPT ≥ 540**
  - LSIS03: Insert DIN 3 without cover
  - LSIS05: Insert DIN 5 without cover
  - LSIS23: Insert square 7 mm without cover
  - LSIS24: Insert square 8 mm without cover
  - LSIS26: Insert triangular 7 mm
  - LSIS27: Lock triangular 8 mm
  - LSIS30: Insert Daimler Benz

### Wall Mounted | Polyester Compact

**Alternative Cam lock**

Cam Locks are designed for a wide variety of applications including drawers, doors, access panels, storage boxes and so on. These alternative CAM locks can replace the standard lock, using the same cutout.

<table>
<thead>
<tr>
<th>Insert Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALIS503</td>
<td>Lock insert DIN 3 mm zamak chrome plated</td>
</tr>
<tr>
<td>ALIS505</td>
<td>Lock insert DIN 5 mm zamak chrome plated</td>
</tr>
<tr>
<td>ALIS523</td>
<td>Lock insert square 7 mm zamak chrome plated</td>
</tr>
<tr>
<td>ALIS524</td>
<td>Lock insert triangle 8 mm zamak chrome plated</td>
</tr>
<tr>
<td>ALIS526</td>
<td>Insert triangular 7 mm</td>
</tr>
<tr>
<td>ALIS527</td>
<td>Lock triangular 8 mm</td>
</tr>
<tr>
<td>LSIS03</td>
<td>Insert DIN 3 without cover</td>
</tr>
<tr>
<td>LSIS05</td>
<td>Insert DIN 5 without cover</td>
</tr>
<tr>
<td>LSIS23</td>
<td>Insert square 7 mm without cover</td>
</tr>
<tr>
<td>LSIS24</td>
<td>Insert square 8 mm without cover</td>
</tr>
<tr>
<td>LSIS26</td>
<td>Insert triangular 7 mm</td>
</tr>
<tr>
<td>LSIS30</td>
<td>Insert Daimler Benz</td>
</tr>
<tr>
<td>ALL503N</td>
<td></td>
</tr>
</tbody>
</table>
Wall Mounted | Polyester Compact

Alternative T-handle And Wing Knob

The handles are used as an option to promote enclosure security. The handle provides quick and easy access to the enclosure content.

Available handles:
- Neutral handle with or without key;
- Handle for half cylinder for UCP320 and UCP430;
- Handle for half cylinder with or without padlocking for enclosures H ≥ 540 mm;

**Neutral Handle**

The Neutral Handles can replace the standard lock on all enclosures, using the same cutout. The handle is made out of black polyamide.

ALT560 - T-handle, plastic

- Protection degree IP 66
- Universal LH / RH

ALT561 - T-handle, chrome, Ronis key M21323

- Protection degree IP 65
- Universal LH / RH

ALT562 - Compact Wing knob, chrome, Ronis key M21323

- Protection degree IP 65
- Universal LH / RH

ALT563 - Compact Wing knob, plastic, Ronis key 5333

- Protection degree IP 65
- Universal LH / RH

**Handles**

The handles are used as an option to promote enclosure security. The handle provides quick and easy access to the enclosure content.

Available handles:
- Neutral handle with or without key;
- Handle for half cylinder for UCP320 and UCP430;
- Handle for half cylinder with or without padlocking for enclosures H ≥ 540 mm;

**Neutral Handle**

The Neutral Handles can replace the standard lock on all enclosures, using the same cutout. The handle is made out of black polyamide.
**Wall Mounted | Polyester Compact**

**Handle For Half Cylinder UCP320 and UCP/UCPT430**

Swing handle for half cylinder: polyamide, black, with seal. Cylinder cover: polyamide. Additional holes required, see drawing.

- **For cam lock**
- **For half cylinder**
- **Handle rotation**

**UDH2CS**

**Available half cylinder:**

The Swing handle must be completed with an insert. The insert will be chosen based on the customer requirements from the project.

- LSSU521 Half cylinder Ronis 21323C
- LSSU522 Ronis Round Prof inserts 21323C
- LSSU523 Half cylinder Square 7 mm
- LSSU524 Half cylinder Square 8 mm
- LSSU526 Half cylinder Triangle 7 mm
- LSSU527 Half cylinder Triangle 8 mm
- LSSU528 Half cylinder DIN 3 mm
- LSSU529 Half cylinder DIN 5 mm
- LSSU530 Half cylinder Daimler Benz

**Wall Mounted | Polyester Compact**

**Handle for half cylinder UCP/UCPT ≥ 540 mm**

Swing handle for half cylinder: polyamide, black, with seal. Cylinder cover: polyamide. Additional holes required.

- **For control mechanism**
- **For half cylinder**
- **Can be or is equipped with padlock**

**UDH2C UDH3C**

**Available half cylinder:**

The Swing handle must be completed with an insert. The insert will be chosen based on the customer requirements from the project.

- LSSU521 Half cylinder Ronis 21323C
- LSSU522 Ronis Round Prof inserts 21323C
- LSSU523 Half cylinder Square 7 mm
- LSSU524 Half cylinder Square 8 mm
- LSSU526 Half cylinder Triangle 7 mm
- LSSU527 Half cylinder Triangle 8 mm
- LSSU528 Half cylinder DIN 3 mm
- LSSU529 Half cylinder DIN 5 mm
- LSSU530 Half cylinder Daimler Benz
The handles are used as an option to promote enclosure security. The handle provides quick and easy access to the enclosure contents.

### Standard Swing Handle

Swing handle for half cylinder: polyamide, black, with seal. Cylinder cover: polyamide. Additional holes required.

- For control mechanism
- For half cylinder

**UDH01**

Available half cylinder:

The swing handle must be completed with an insert. The insert will be chosen based on the customer requirements from the project.

- LSSU521 Half cylinder Ronis 21323C
- LSSU522 Ronis Round Prof inserts 21323C
- LSSU523 Half cylinder Square 7 mm
- LSSU524 Half cylinder Square 8 mm
- LSSU526 Half cylinder Triangle 7 mm
- LSSU527 Half cylinder Triangle 8 mm
- LSSU528 Half cylinder DIN 3 mm
- LSSU529 Half cylinder DIN 5 mm
- LSSU530 Half cylinder Daimler Benz

### Alternative Swing Handle

The handle provides quick and easy access to the enclosure contents.

**Available handles:**

- Handle for two half cylinder lock
- Handle with padlocking

### Handle for two half cylinder lock

Swing handle for half cylinder: polyamide, black, with seal. Shaft: zinc die-cast. Double cylinder with one key operation.

- For control mechanism
- For half cylinder

**UDH02**

### Handle with padlock

Swing handle for half cylinder: polyamide, black, with seal. Shaft: zinc die-cast.

- For control mechanism
- For half cylinder

**UDH03**

Can be or is equipped with padlock
Wall Mounted | Aluminium Glazed Doors

The handles are used as an option to promote enclosure security. The handle provides quick and easy access to the enclosure content.

Lock For ADA Aluminium Glazed Door

**ALL506: ADA Ronis key lock C21323**
Generally, the existing latch of the aluminium door should be used.

- Protection degree: IP 65
- Universal LH / RH

Lock For ADAB Aluminium Glazed Door

**ALL507: ADAB Ronis key lock C21323**
Generally, the existing latch of the aluminium door should be used.

- Protection degree: IP 65
- Universal LH / RH

Wall Mounted | Aluminium Glazed Doors

Alternative T-handle And Wing Knob
Universal Clockwise or counter-clockwise rotation when opening or closing. Compatible with the cutout from the standard lock. Ergonomic design enables firm grip when pulled. Supplied with two keys.

**ALT560 - T-handle, plastic**
- Protection degree: IP 66
- Universal LH / RH

**ALT561 - T-handle, chrome, Ronis key M21323**
- Protection degree: IP 65
- Universal LH / RH

**ALT562 - Compact Wing knob, chrome, Ronis key M21323**
- Protection degree: IP 65
- Universal LH / RH

**ALT563 - Compact Wing knob, plastic, Ronis key 5333**
- Protection degree: IP 65
- Universal LH / RH
**Wall Mounted | Padlocking PLC01**

The padlocking cover is mounted over the existing lock. The standard lock is totally covered and not accessible when padlock is fitted. Maximum padlock bow has a diameter of 10 mm.

Note: The customer need to drill an additional hole Ø 5 mm.

**Alternative Keys**

A key is usually intended to operate one specific lock or a small number of locks that are keyed alike.

Available keys:
- Keys for standard inserts;
- Multikeys;
- Other keys available on request.

**Key For Standard Inserts**
The key will be chosen based on customer requirements from the project.

<table>
<thead>
<tr>
<th>Key For Standard Inserts</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LSK502 - Plastic key, double-bit 3 mm</td>
<td></td>
</tr>
</tbody>
</table>

**Multi-key**
Multi-key with four key grip: Double bit 5 mm, Square 8 mm, Triangle 8 mm and Standard hexagonal adapter. Material: zinc die-cast, in RAL 5010 finishing.

<table>
<thead>
<tr>
<th>Multi-key</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LSK503 - Metallic, double-bit 3 mm</td>
<td></td>
</tr>
<tr>
<td>LSK505 - Metallic, double-bit 5 mm</td>
<td></td>
</tr>
<tr>
<td>LSK523 - Metallic, Square 7 mm</td>
<td></td>
</tr>
<tr>
<td>LSK524 - Metallic, Square 8 mm</td>
<td></td>
</tr>
<tr>
<td>LSK526 - Metallic, Triangle 7 mm</td>
<td></td>
</tr>
<tr>
<td>LSK527 - Metallic, Triangle 8 mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Alternative Keys</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LSK503 - Metallic, double-bit 3 mm</td>
<td></td>
</tr>
<tr>
<td>LSK505 - Metallic, double-bit 5 mm</td>
<td></td>
</tr>
<tr>
<td>LSK523 - Metallic, Square 7 mm</td>
<td></td>
</tr>
<tr>
<td>LSK524 - Metallic, Square 8 mm</td>
<td></td>
</tr>
<tr>
<td>LSK526 - Metallic, Triangle 7 mm</td>
<td></td>
</tr>
<tr>
<td>LSK527 - Metallic, Triangle 8 mm</td>
<td></td>
</tr>
</tbody>
</table>
### Annex 1

**Other keys available on request**

The key will be chosen based on the customer requirements from the project.

| SLK1212E   | Key NR 1212E  |
| SLK1232E   | Key NR 1232E  |
| SLK1242E   | Key NR 1242E  |
| SLK2123C   | Key NR 2123C (also for M-version) |
| SLK2131E   | Key NR 2131E  |
| SLK2132C   | Key NR 2132C (also for M-version) |
| SLK2132E   | Key NR 2132E  |
| SLK2233    | Key NR 2233   |
| SLK2313E   | Key NR 2313E  |
| SLK2322E   | Key NR 2322E  |
| SLK3112E   | Key NR 3112E  |
| SLK3121E   | Key NR 3121E  |
| SLK3122E   | Key NR 3122E  |
| SLK3123E   | Key NR 3123E  |
| SLK3123C   | Key NR 3123C (also for 1333 and 5333) |
| SLK3131A   | Key NR 3131A  |
| SLK3131E   | Key NR 3131E  |
| SLK3132E   | Key NR 3132E  |
| SLK3132C   | Key NR 3132C  |
| SLK3132E   | Key NR 3132E  |
| SLK3132A   | Key NR 3132A  |
| SLK3133A   | Key NR 3133A  |
| SLK3133E   | Key NR 3133E  |
| SLK3232E   | Key NR 3232E  |
| SLK3321E   | Key NR 3321E  |
| SLK3521E   | Key NR 3521E  |
| SLK4155    | Key NR 4155   |
| SLKEK333   | Key NR EK333 |
| SLKEK401   | Key NR EK401 |
| SLKEK523   | Key NR EK523 |

Minimum order quantity special key numbers: 100 pcs.

---

### Annex 2

**Available keys for Floor Standing enclosures on request**

**Compatible with LLH502/LLH502N/LLH504 * (same for LLH502N/LLH504N)**

| LHC520405E | Key NR 0405E  |
| LHC520421E | Key NR 0421E  |
| LHC520455E | Key NR 0455E  |
| LHC520520E | Key NR 0520E  |
| LHC520561E | Key NR 0561E  |
| LHC521123E | Key NR 1233E  |
| LHC521124E | Key NR 1243E  |
| LHC521212E | Key NR 2123E  |
| LHC521213E | Key NR 2133E  |
| LHC521214E | Key NR 2143E  |
| LHC521312E | Key NR 3123E  |
| LHC521313E | Key NR 3133E  |
| LHC521314E | Key NR 3143E  |
| LHC5220405E | Key NR 0405E |
| LHC5220421E | Key NR 0421E |
| LHC5220455E | Key NR 0455E |
| LHC5220520E | Key NR 0520E |
| LHC5220561E | Key NR 0561E |
| LHC522123E | Key NR 1233E |
| LHC522124E | Key NR 1243E |
| LHC522133E | Key NR 2133E |
| LHC522134E | Key NR 2143E |
| LHC522213E | Key NR 3133E |
| LHC522214E | Key NR 3143E |
| LHC522215E | Key NR 3153E |

**Compatible with LLH505/LLH505N/LLH505O**

| LHC52230405E | Key NR 0405E |
| LHC52520405E | Key NR 0405E |
| LHC52520421E | Key NR 0421E |
| LHC52520455E | Key NR 0455E |
| LHC52520520E | Key NR 0520E |
| LHC52520561E | Key NR 0561E |
| LHC52521123E | Key NR 1233E |
| LHC52521124E | Key NR 1243E |
| LHC52521212E | Key NR 2123E |
| LHC52521213E | Key NR 2133E |
| LHC52521214E | Key NR 2143E |
| LHC52522123E | Key NR 3133E |
| LHC52522124E | Key NR 3143E |
| LHC52522213E | Key NR 3153E |

**Available keys for Floor Standing enclosures on request**

Minimum order quantity 10 pcs.