

Locking System



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Locking System

As a specialist manufacturer of enclosures, nVent supplies a wide variety of enclosures for industrial and OEM applications. nVent's product range is extensive and includes different types of enclosures and many bespoke solutions, in order to meet diverse requirements.

nVent offers 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.

OVERVIEW

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 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 manufactures 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.

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.



LLH500N

STANDARD LOCK COVER DB3

The lock comes with red solid covers at the top and bottom. Transparent covers must be ordered separately.

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

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

Floor Standing | Mild steel



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:



Floor Standing | Mild steel



LLH501N

LLH503N

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

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
	LHC531	Slotted 2x4 mm
	LHC536	Push button insert

Note: See annex 2.

Floor Standing | Mild steel



LLH502N

LLH504N

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 lifting 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



LHC5212132E

Ronis half prof cyl.
Key 2132E



LHC5213121E

Ronis half prof cyl. 3121E

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.

Floor Standing | Mild steel



with key

without key

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

	LLTH560N	T-handle, key C21323
	LLTH5602132EN	T-handle, key 2132E
	LLTH5603121EN	T-handle, key 3121E
	LLTH5603524EN	T-handle, key 3524E

Note: See annex 2.

T-handle without key

	LLTH560CEN	T-handle, without cylinder
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Wall Mounted | Mild steel



ALL503N

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
2 x 4 mm zamak
chrome plated

Wall Mounted | Mild steel



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 65



Universal LH/RH

Wall Mounted | Mild steel

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



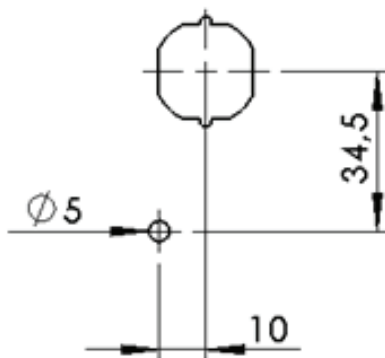
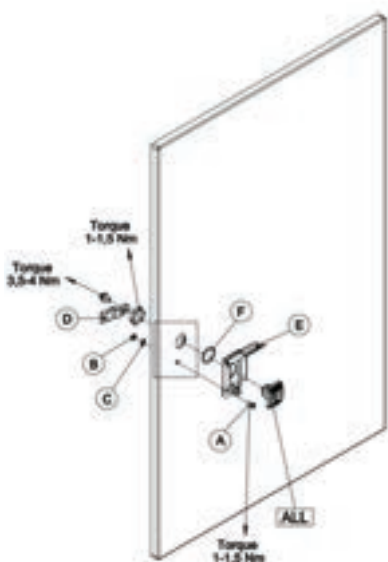
Universal LH/RH

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 and additional hole \varnothing 5 mm.



	PLC01	
CAM LOCK	Suitable	Non Suitable
ALLS304	OK*	
ALLS316	OK*	
ALL503N	OK*	
ALLS503N	OK*	
ALL506	Non Suitable	
ALL507	Non Suitable	
ALL508	Non Suitable	
ALL509	Non Suitable	
ALL510N	Non Suitable	

* Always replace the latch of the lock with the latch from the installation kit PLC01

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.



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.





Our powerful portfolio of brands:

CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE