



Product Catalogue

ASSA ABLOY

The global leader in
door opening solutions

Chubb Locks Custodial Services

Hello and welcome to the Chubb Locks Custodial Services Group, product catalogue, designed to provide an overview of the comprehensive range of products and services we offer. Part of ASSA ABLOY, the global leader in door opening solutions, our range of innovative intelligent lock and security solutions designed to support a wide range of specialist applications.

Chubb Locks Custodial Services Group of companies are a UK based internationally recognised professional security solution provider. Comprising of three business units:

- Chubb Custodial, leading the way for supply, installation and maintenance of custodial locks, doors, fixtures, fittings and equipment to Prisons, Police Custody and Secure healthcare facilities.
- Intelligent Locking Systems, ILS, manufacture, install and maintain digital combination locks for high security environments in Government and other specialist high security, transport and retail applications.
- Pickersgill-Kaye Limited manufacture, install and maintain single point and multipoint door and gate high security locks for critical national infrastructure applications together with door locks and security systems for the rail industry.

Working in partnership with government and secure establishments globally, CLCS has developed world class products designed to respond to the challenges of modern custodial and high security environments.

The Chubb brand has a long and distinguished history for innovation, security and quality dating back to the origins of the business in 1818. We are proud to continue to drive these core values in the 21st century the company has marked each century with increasing advances in technology and innovation.

In 2001, CLCS became part of the ASSA ABLOY group of companies, the global leader in door opening solutions. 2014 saw the CLCS product range expand to incorporate custody doors and custody furniture. CLCS designs, manufactures and installs high performance pre-finished steel and timber doors together with a comprehensive range of custodial fixtures, fittings and equipment. Products are provided for both new build and refurbishment projects to all forms of secure accommodation, with installation by teams of security cleared engineers, ensuring a smooth project handover. Services provided also extend to reactive and planned preventative maintenance for locks and doors.

From conceptual design, product development and manufacturing – through to surveys, maintenance and training – CLCS is a full service company. Often called upon to assist with strategic development and deployment within government establishments.



Group Sectors and Product Range Summary



Custodial

- Locks
- Doors
- Gates
- Windows
- Hardware
- FF&E
- Handcuffs
- Padlocks
- Repair, service & maintenance

Secure Hospitals & Healthcare

- Locks
- Doors
- FF&E
- Handcuffs
- Padlocks
- Repair, service & maintenance

Secure Education

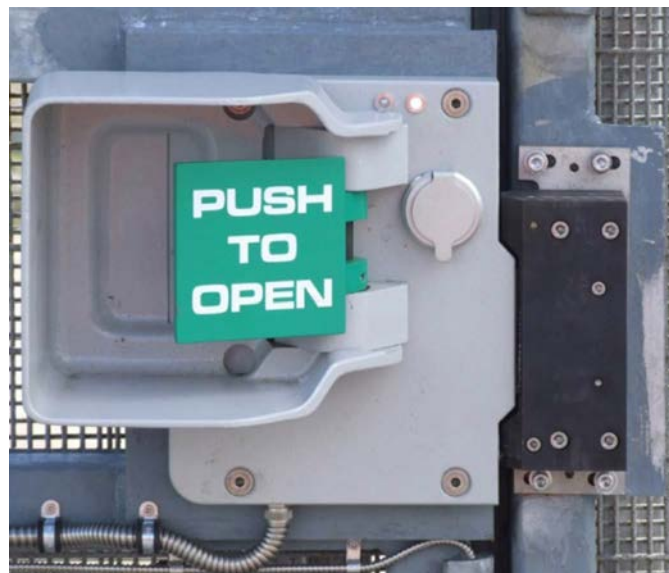
- Locks
- Doors
- FF&E
- Padlocks
- Repair, service & maintenance

Critical Infrastructure

- Locks
- Doors
- Repair, service & maintenance

Rail, Retail & Transport

- Locks
- Security systems
- Repair, service & maintenance



Installation, Service, Repair and Training

CLCS Group backs up its heritage and history of excellence in design, development and manufacturing with a team of skilled engineers providing installation, service and support for all business sectors and products.

We believe that first class service and scheduled maintenance contracts provide total piece of mind for all our customers. CLCS engineers are fully trained, security cleared and equipped to handle all aspects of lock and door maintenance and repair.

Our products are recognised throughout the world for their reliability, robustness, reliability and longevity, however regular service and maintenance can extend product life. A CLCS service and maintenance contract provides reassurance and prompt response should a call out be required.

Maintenance contracts can be tailored to suit individual customer requirements covering ASSA ABLOY products and other manufacturers' brands.

CLCS provide extensive product training to support locks and high security systems. Training courses are tailored to suit all levels of personnel.

For more information email service@clcsltd.co.uk or call our 24 hour service hotline 01902 907968.



For Nationwide Service:
call: 01902 907968
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Critical Infrastructure, single & multipoint high security locks. Rail locks and security systems
Email: enquiries@pkaye.co.uk



Critical Infrastructure, retail and transport digital combination locks
Email: info@ilslocks.co.uk

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Cell locks

3F11/3F12

Motorised Slam Action Lock



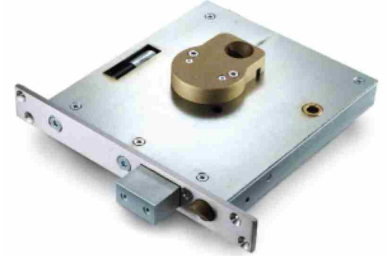
Application:

Purpose

To provide secure locking of swinging doors or gates that can be unlocked from a remote location using third party security management systems (SMS) or by conventional key control. Designed to enable key and electric operation from one (3F11) or both (3F12) sides of the door.

Overview

The 3F11/3F12 are mortice locks of robust construction based on the Chubb Locks Custodial Services large mortice footprint. The locks are designed to deadlock automatically and to be unlocked electrically with bolt withdrawal by a motorised mechanism.



Cell locks

3F11/3F12

Motorised Slam Action Lock



Specification:

Unlocking

- **Electric Operation** – Remote switch activates the locking solenoid and the locking dead bolt is withdrawn by the motor. When fully withdrawn the locking deadbolt is latched in position ready for the relocking operation.
- **Mechanical Operation** – Locking mechanism is operated by a mechanical key that lifts the locking solenoid and withdraws the locking dead bolt. When fully withdrawn the locking dead bolt is latched in position ready for the relocking operation.

Locking

- The lock automatically deadlocks when the door/gate is closed.

Standard Features

- Solid Case Technology; Lock case machined from single piece carbon steel block.
- Heavy duty gear and motor designed to operate under high load.
- Steel main bolt with tungsten carbide anti cut rollers.
- Solenoid electric locking latch.
- 5-detainer key override mechanism.
- Lock provides status monitoring of critical functions.
- Integral baffle arrangements to resist manipulation and interference via the keyhole.
- Dedicated key profile operates 3F11 / 3F12 group of locks only.

Performance/Testing/Criteria

- Mechanical locking mechanism tested to a minimum of 100,000 operations.
- Motor/gearbox tested to a minimum of 1,000,000 cycles.
- Solenoid locking unit tested to a minimum of 1,000,000 cycles.
- Solenoid arrangement designed to operate at +/-10% of 24V DC regulated supply.
- Nominal operating current 500mA.
- End load 8.0 kN
- Side Load 13.5 kN

Additional Items

- Outer steel case (Gatebox) for use when fitted to a steel door
- Locking plate (Keep)
- Door cable (to connect the lock to door header / junction box terminations)
- Keys – silica brass (ordered separately to the lock)

Dimensions & Weights (Approx)

Case Height	207mm
Case Length	238mm
Case Thickness	29mm
Bolt Throw	32mm
Bolt Depth	45mm
Bolt Thickness	22mm
Weight (lock only approx)	10.5kg

Dimensioned customer drawings are available upon request.

Cell locks

3F11/3F12

Motorised Slam Action Lock



Finish:

- Lock case - carbon steel electro-plated.
- Main bolts - carbon steel electro-plated.
- Main bolt follower high tensile brass.
- Escutcheons - Silica brass.
- Detainers and springs - Brass / phosphor Bronze.

Options:

The lock is available in left or right hand variants, open in and open out as shown and can be fitted to steel or wooden doors.

Cell locks

3F65P

Morticed Mechanical Privacy Lock - Monitored



Application:

Purpose

To provide secure locking of swinging cell/bedroom doors with a 'privacy' locking facility under operation by the occupant, from within the accommodation unit only. Locks detailed in this specification also include an integral Door In Frame Sensor (DIF) to indicate the door status when used in conjunction with a suitable DIF magnet.

Overview

The 3F65P is a mortice lock of robust construction based on the CLCS standard large mortice lock footprint with a main bolt that can be locked in the fully thrown or fully withdrawn position. Locking is achieved by a completely separate, interchangeable inner locking unit, operable from the outside only, the vertically sliding bolt of which, engages a recess in the main bolt.

A privacy facility is also provided allowing a secondary privacy bolt to be locked or unlocked by anti-ligature furniture from the inside of the accommodation. The privacy bolt can be overridden by a key holder by extending and then withdrawing the main bolt. A clutch mechanism fitted to the internal furniture ensures that staff members always remain in control of the privacy bolt.



Cell locks

3F65P

Morticed Mechanical Privacy Lock - Monitored



Specification:

Principal of Operation

- **Locking / Unlocking of the Main Bolt** – Locking/unlocking is achieved by a partial turn of the key and handle operation to throw or withdraw the bolt. On withdrawing the key the main bolt will be automatically left locked in the position chosen (i.e. fully thrown or unlocked). Withdrawal of the main bolt will automatically withdraw the occupant's 'privacy' bolt if thrown.
- **Locking / Unlocking of the Privacy Bolt** – The occupant's 'Privacy' bolt can be locked / unlocked from within the accommodation unit via the anti-ligature furniture fitted to the inside of the door. However, the door cannot be opened from the inside if the main bolt is extended and secured in frame. In addition withdrawal of the main bolt will automatically withdraw the occupant's 'privacy' bolt if thrown. A cover plate can also be fitted to the external side of the door to provide emergency access to the privacy mechanism.

Standard Features

- Solid Case Technology; Lock case machined from single piece carbon steel.
- 32mm throw solid steel main bolt fitted with anti-saw Tungsten Carbide rollers.
- Independent 7-lever locking mechanism (ILU).
- Factory restricted key section.
- Integral baffle arrangements to resist manipulation and interference via the keyhole.
- Status monitoring outputs of (1) Door in Frame, (2) Main Bolt Extended (3) ILU Status
- Privacy locking / unlocking operable from within the accommodation via door mounted furniture or via override by the main bolt or by removing the external cover plate.

Performance/Testing/Standards

- Mechanical locking mechanism tested to a minimum of 100,000 operations
- Main bolt handle mechanism tested to a minimum of 300,000 bolt operations
- Saw attack on the main bolt 12 hours
- End load 13.5 kN
- Side Load 25 kN

Additional Items

- Handle and escutcheon kits (not supplied with the lock). Kits can be supplied to suit various functional requirements, door thicknesses and aesthetic requirements.
- Frame mounted magnet assembly (to operate with the integral DIF sensor)
- Locking plate with integral magnet assembly.
- Gate Box
- Door cable
- Reinforcing plates for use on wooden doors
- Privacy Cylinder for corridor side of door

Dimensions & Weights

Case Height	207mm
Case Length	226mm
Case Thickness	29mm
Bolt Throw	32mm
Bolt Depth	45mm
Bolt Thickness	22mm
Weight (lock only)	11kg

Cell locks

3F65P

Morticed Mechanical Privacy Lock - Monitored



Finish:

- Lock case – carbon steel electro-plated and powder coated exterior.
- Main bolt – carbon steel electro-plated.
- Main bolt follower high tensile brass.
- Keys – Hardened Steel.
- Levers and springs – Brass / phosphor Bronze.

Options:

- The lock is available in left or right hand variants and can be fitted to steel doors as standard.
- The lock can be fitted to wooden doors (using long forend versions) providing sufficient cable containment and power transfer facilities are available.

Cell locks

3F65P

Morticed Mechanical Privacy Lock



Application:

Purpose

To provide secure locking of swinging cell/bedroom doors with a 'privacy' locking facility under operation by the occupant.

Overview

The 3F65P is a mortice lock of robust construction based on the CLCS standard large mortice lock footprint with a main bolt that can be locked in the fully thrown or fully withdrawn position. Locking is achieved by a completely separate, interchangeable) inner locking unit, operable from the outside only, the vertically sliding bolt of which, engages a recess in the main bolt.



A Privacy Key Facility is also provided allowing a secondary privacy bolt to be locked or unlocked by a key operated rim cylinder lock on the outside and anti-ligature furniture on the inside. The Privacy bolt can be overridden by extending and then withdrawing the main bolt and a clutch mechanism ensures that staff remain in control. The cylinder is also master keyed to provide staff control of the privacy mechanism.

- **Locking unit** – The locking unit is a self-contained 7-lever lock, independently mounted on pillars, and can be quickly removed and replaced by another such complete unit, when a change of combination is necessary. The bolt of this unit shoots downwards into a cutaway formation on the main bolt and retains it in the withdrawn or fully thrown position.
- **Main Bolt** – Locking/unlocking is achieved by a partial of the key and handle operation to throw or withdraw the bolt. On withdrawing the key the main bolt will be automatically left locked in the position chosen (i.e. fully thrown or unlocked). Withdrawal of the main bolt will automatically withdraw the occupant's 'privacy' bolt if thrown.
- **Under Occupant's Key** – The occupant's 'Privacy' bolt can be locked/unlocked from outside by a keyed cylinder lock or from inside by a handle or knob.

Cell locks

3F65P

Morticed Mechanical Privacy Lock



Specification:

Standard Features

- Solid Case Technology; Lock case machined from single piece carbon steel.
- Steel main bolt, with carbide anti-cutting rollers, and 32mm throw.
- Independent 7-lever locking mechanism.
- Factory restricted key section.
- Integral baffle arrangements to resist manipulation and interference via the keyhole.
- Privacy locking via pin tumbler cylinder

Additional Features

- External lever handle or dial knob options for staff operation.

Additional Items

- Outer steel case (Gatebox) when fitted to a steel door
- Locking plate (Keep)

Dimensions & Weights

Case Height	207mm
Case Length	226mm
Case Thickness	29mm
Bolt Throw	32mm
Bolt Depth	45mm
Bolt Thickness	22mm
Weight (lock only)	11kg

Finish:

- Lock case – carbon steel electro-plated and powder coated exterior.
- Main bolt – carbon steel electro-plated.
- Main bolt follower high tensile brass.
- Keys – Hardened Steel
- Levers and springs – Brass / phosphor Bronze.

Standards:

- Mechanical locking mechanism tested to a minimum of 100,000 operations
- Handle mechanism tested to a minimum of 300,000 bolt operations
- Privacy cylinder tested to a minimum of 100,000 operations
- Saw attack on the main bolt 12 hours
- End load 13.5 kN
- Side Load 25 kN

Cell locks

3F65P

Morticed Mechanical Privacy Lock



Options:

- The lock is available in left or right hand variants and can be fitted to steel or wooden doors.
- Operating furniture is available in either stainless steel or anodised aluminium.

Cell locks

3R47

Morticed Latch Lock



Application:

Purpose

To provide secure locking of swinging cell doors, under conventional key control from the corridor side where automatic latching and deadlocking using a key is a requirement.

Overview

The 3R47 is a morticed sprung latch bolt lock of robust construction based on the Chubb Locks Custodial Services small mortice footprint. The latch bolt provides an overall throw of 20mm. The lock offers a number of keying and handle configurations to suit a variety of operational requirements and is fitted with an external visual indicator.

Secure locking can be achieved as follows:

Single Locking Action -Keyed to pass or to differ

- Locking is achieved by inserting the key into the keyhole and rotating fully. This action will both deadlock the latchbolt and lock the handle in position.
- Unlocking is achieved by inserting a key into the keyhole and rotating fully. This action will release the latchbolt and unlock the handle. The latchbolt is then withdrawn using the handle.

Double Locking Action

Singles Key – Operates single locking action only

- Locking / Unlocking as above.

Note the Servant key will not operate the double locking action.

Doubles Key – Operates double locking action

- Locking, providing the singles key has been used to operate the first locking action, the master key can be utilised. By inserting the doubles key into the keyhole and rotating fully over-locking will be achieved. The singles key will be disabled and unauthorised use of the singles key will be prevented.
- Unlocking is achieved by inserting the doubles key into the keyhole and rotating fully, this action will remove the over-locking enabling operation of the singles key.

Note: the lock can be configured to operate the double locking action only or if required to operate both single and double locking actions from a single key.



Cell locks

3R47

Morticed Latch Lock



Specification:

Features

- Carbon steel latchbolt, with carbide anti-cutting rollers and 20mm throw.
- 7 lever highly durable mechanism.
- Configurable to three key options – Single Action (1 key), Double Action (1 key) or Double Action (2 keys).
- Dedicated key profile operates 3R47 range of locks only.
- Tamper resistant Aluminium fascia plate with status indicator.
- Security fixings to prevent unauthorised removal.

Performance

- Lock tested to a minimum of 100,000 key operations.
- Handle operation tested to 300,000 operations.
- Latch action tested to 150,000 operations.
- Saw attack 30 minutes
- End load 13.5 kN
- Side Load 13.5 kN

Additional Features

- Optional inner handle available on request.
- Suitable for internal use only.
- Available in alternative furniture finishes on request.
- Gate boxes for steel door applications recommended.

Total Range

- The lock is available in left or right hand variants for opening in or opening out doors and can be fitted to steel or wooden doors. For applications requiring cell side furniture a range of options are available on request.
- Lock is suitable for use on all door types, however on steel doors the short forend version should be ordered and for wooden doors the long forend version is recommended.

Dimensions & Weights

Lockcase depth	171.5mm
Lockcase length	114.2mm
Lockcase width	21.0mm
Weight (lock only)	3.0kg

Cell locks

4L55/4L56

Mechanical Slam Action Cell Lock



Application:

Purpose

To provide secure locking of swinging cell doors, under conventional key control where automatic deadlocking is a requirement.

Overview

The 4L55 and 4L56 are surface mounted locks of robust construction based on the Chubb Lock Custodial Services standard cell lock footprint. The main bolt is automatically extended providing a throw of 32mm and deadlocked on closure of the door.

The 4L55 is designed to be mounted flush with the door skin whereas the 4L56 is designed to be mounted on the door skin itself.

Note: An alternative fixing method can be used to enable mounting of the 4L56 variant flush with the door skin.

Secure locking is achieved as follows:

- Unlocking is achieved by a partial turn of the key which lifts the internal blocking mechanism enabling the withdrawal of the main bolt by the handle. The bolt is then retained automatically when fully retracted and door is out of frame.
- Locking is achieved automatically; on closure of the door the brass snib bolt is depressed on contact with the strike plate mounted to the frame this then releases the main bolt. Deadlocking occurs when the main bolt is fully extended allowing the internal blocking mechanism to engage.
- The lock has an external visual indicator mechanism, which enables staff to verify the status of the lock.



Cell locks

4L55/4L56

Mechanical Slam Action Cell Lock



Specification:

Features

- Solid Case Technology; Lock case machined from single piece carbon steel.
- Steel main bolt, with carbide anti-cutting rollers and 32mm throw.
- Brass quick acting stud release mechanism.
- External visual locking status indication.
- Independent 7-lever locking mechanism.
- Factory restricted key section.
- 5 bolt secure fixing.
- Integral baffle arrangements to resist interference via the keyhole.
- Escutcheon designed to give positive key alignment.

Performance

- Mechanical locking mechanism tested to a minimum of 100,000 operations.
- Handle mechanism tested to a minimum of 300,000 bolt operations.
- Stud release mechanism tested to a minimum of 300,000 operations
- Saw attack 12 hours
- End load 20 kN
- Side Load 25 kN

Additional Features

- Range of Anti-Ligature or 'T' handle furniture options available.
- Range of fixings including backplates, stud fixings, locking plate and keeps.
- Available in alternative paint / furniture finishes on request.
- External handle designed to shear under excessive load to prevent damage to internal lock mechanism.
- Interchangeable mechanical inner locking unit to enable re-coding.
- Can be configured to differ or to pass.

Total Range

- The lock is available in left or right hand variants for opening in or opening out doors and can be fitted to steel or wooden doors. A range of backplate stud lengths is available to suit door thicknesses from 25 to 70mm.
- Fully dimensioned customer drawings are available on request to assist with door preparation.

Dimensions & Weights

Case Height	286mm
Case Length	267mm
Case Thickness	30mm
Bolt Throw	32mm
Bolt Depth	45mm
Bolt Thickness	22mm
Weight (lock only) 4L55	10.5kg
Weight (lock only) 4L56	12.0kg

Finish:

- Lock case - carbon steel electro-plated and powder coated exterior.
- Main bolt - carbon steel electro-plated.
- Main bolt follower high tensile brass.
- Keys - Hardened Steel
- Levers and springs - Brass / phosphor Bronze.

Cell locks

4L55/4L56

Mechanical Slam Action Cell Lock



Cell locks

4L65

Mechanical Cell Lock



Application:

Purpose

To provide secure locking of swinging cell doors, under conventional key control where a lock back facility is a requirement.

Overview

The 4L65 is a surface mounted lock of robust construction based on the Chubb Lock Custodial Services standard cell lock footprint. The main bolt is an un-sprung rectangular deadbolt providing a throw of 32mm. Variants of the lock allow for mounting on or flush with the door skin.

Secure locking is achieved as follows:

- Locking/unlocking is achieved by a partial turn of the key allowing the handle to throw or withdraw the bolt. When the key is withdrawn the main bolt can be left in two positions fully thrown (i.e. secure when door in frame) or bolt fully withdrawn and locked back.



Cell locks

4L65

Mechanical Cell Lock



Specification:

Features

- Solid Case Technology; Lock case machined from single piece carbon steel.
- Steel main bolt, with carbide anti-cutting rollers, and 32mm throw.
- External visual locking status indication.
- Independent 7-lever locking mechanism.
- Factory restricted key section.
- 5 bolt secure fixing.
- Integral baffle arrangements to resist interference via the keyhole.
- Escutcheon designed to give positive key alignment.

Performance

- Mechanical locking mechanism tested to a minimum of 100,000 operations.
- Handle mechanism tested to a minimum of 100,000 bolt operations.
- Saw attack 12 hours
- End load 13.5 kN
- Side Load 25 kN

Additional Features

- Range of furniture options available.
- Range of fixings including backplates, stud fixings, locking plate and keeps.
- External handle designed to shear under excessive load to prevent damage to internal lock mechanism.
- Interchangeable mechanical inner locking unit to enable re-coding.
- Can be configured to differ or to pass.
- Main Bolt and Inner Locking Unit can have monitoring facility.

Total Range

- The lock is available in left or right hand variants and can be fitted to steel or wooden doors. A range of backplate stud lengths is available to suit door thicknesses from 25 to 70mm.
- Fully dimensioned customer drawings are available on request to assist with door preparation.

Dimensions & Weights

Case Height	286mm
Case Length	267mm
Case Thickness	29mm
Bolt Throw	32mm
Bolt Depth	45mm
Bolt Thickness	22mm
Weight (lock only)	12kg

Finish:

- Lock case - carbon steel electro-plated and powder coated exterior.
- Main bolt - carbon steel electro-plated.
- Main bolt follower high tensile brass.
- Keys – Hardened Steel
- Levers and springs – Brass / phosphor Bronze.

Cell locks

4L65P

Mechanical Cell Lock With Privacy Facility



Application:

Purpose

To provide secure locking of swinging cell doors, under conventional key control. Additional "privacy" locking mechanism to provide a level of privacy and security for the cell occupant, the privacy function can always be overridden by the staff key.

Overview

The 4L65P is a surface mounted lock of robust construction based on the Chubb Lock Custodial Services standard cell lock footprint. The main bolt is an un-sprung rectangular deadbolt providing a throw of 32mm. Variants of the lock allow for mounting on or flush with the door skin.

- Locking/unlocking is achieved by a partial of the key and handle operation to throw or withdraw the bolt. On withdrawing the key the main bolt will be automatically left locked in the position chosen (i.e. fully thrown or unlocked). Withdrawal of the main bolt will automatically withdraw the occupant's 'privacy' bolt if thrown.
- Under Occupant's Key – The occupant's 'Privacy' bolt can be locked/unlocked from outside by a keyed cylinder lock or from inside by a handle or knob.



Cell locks

4L65P

Mechanical Cell Lock With Privacy Facility



Specification:

Features

- Solid Case Technology; Lock case machined from single piece carbon steel.
- Steel main bolt, with carbide anti-cutting rollers and 32mm throw.
- External visual locking status indication.
- Independent 7-lever locking mechanism.
- Factory restricted key sections.
- 5 bolt secure fixing.
- Integral baffle arrangements to resist interference via the keyhole.
- Privacy facility using secondary mechanism.
- Internal knob with clutch mechanism to ensure staff always have control of lock
- Escutcheon designed to give positive key alignment.

Performance

- Mechanical locking mechanism tested to a minimum of 100,000 operations.
- Handle mechanism tested to a minimum of 100,000 bolt operations.
- Saw attack 12 hours
- End load 13.5 kN
- Side Load 25 kN

Additional Features

- Range of furniture options available.
- Range of fixings including backplates, stud fixings, locking plate and keeps.
- External handle designed to shear under excessive load to prevent damage to internal lock mechanism.
- Interchangeable mechanical inner locking unit to enable re-coding.
- Can be configured to differ or to pass.
- Main Bolt and Inner Locking Unit can have monitoring facility.

Total Range

- The lock is available in left or right hand variants and can be fitted to steel or wooden doors. A range of backplate stud lengths is available to suit door thicknesses from 25 to 70mm.
- Fully dimensioned customer drawings are available on request to assist with door preparation.

Dimensions & Weights

Case Height	286mm
Case Length	267mm
Case Thickness	30mm
Bolt Throw	32mm
Bolt Depth	45mm
Bolt Thickness	22mm
Weight (lock only)	12kg

Finish:

- Lock case - carbon steel electro-plated and powder coated exterior.
- Main bolt - carbon steel electro-plated.
- Main bolt follower high tensile brass.
- Keys - Hardened Steel
- Levers and springs - Brass / phosphor Bronze.
- Inside knob Stainless Steel

Cell locks

4L78

Electro-Mechanical Cell Lock



Application:

Purpose

To provide secure locking of swinging cell doors using third party security management systems (SMS) or conventional key control, whilst providing a means for remote occupant release and bolt withdrawal via an internal handle.

Overview

The 4L78 is a surface mounted lock of robust construction based on the Chubb Lock Custodial Services standard cell lock footprint. The main bolt is a sprung latch providing a throw of 25mm, secure locking is achieved by two independent methods:

- **Electrical Mode** – Locking/unlocking by 24 Volt DC controlled sequence from an external source (SMS). Bolt withdrawal by handle (externally by staff or internally by occupant), which should also be used when closing the door.
- **Manual Mode** – Locking/unlocking achieved using conventional (mechanical key). Bolt withdrawal by handle, which should also be used when closing the door. Key operates from corridor side only.
- **Manual Override** – In the event of power or communication failure an override key is used to disable electric locking function. ***The lock will operate if slammed to shut, however, CLCS recommend that in normal operation the handle is used to withdraw the bolt when closing.***



Cell locks

4L78

Electro-Mechanical Cell Lock



Specification:

Features

- Solid Case Technology; Lock case machined from single piece carbon steel.
- Steel main bolt, with carbide anti-cutting rollers, and 25mm throw.
- Dual solenoid electric locking latch.
- Independent 7-lever locking mechanism.
- Factory restricted key section.
- Lock provides status monitoring outputs for critical functions and tamper.
- 5 bolt secure fixing.
- Integral baffle arrangements to resist manipulation and interference via the keyhole.

Performance

- Mechanical locking mechanism tested to a minimum of 100,000 operations.
- Handle mechanism tested to a minimum of 300,000 bolt operations
- Solenoid locking unit tested to a minimum of 1,000,000 cycles.
- Solenoid arrangement designed to operate at +/-10% of 24V DC regulated supply.
- Nominal operating current 500mA.
- Saw attack 12 hours
- End load 13.5 kN
- Side Load 25 kN

Additional Features

- Can be configured to provide cell side furniture to be used where remote release is desirable.
- Range of fixings including backplates, stud fixings, locking plate and keeps.
- External handle designed to shear under excessive load to prevent damage to internal lock mechanism.
- Interchangeable mechanical inner locking unit to enable re-coding.
- This lock is not available under a master key system.

Total Range

- The lock is available in left or right hand variants for opening in or opening out doors and can be fitted to steel or wooden doors. A range of spindle and backplate stud lengths is available to suit door thicknesses from 25 to 70mm.
- Detailed technical details are available on request for this product.

Dimensions & Weights

Case Height	286mm
Case Length	267mm
Case Thickness	30mm
Bolt Throw	25mm
Bolt Depth	45mm
Bolt Thickness	22mm
Weight (lock only)	12kg

Finish:

- Lock case - carbon steel electro-plated and powder coated exterior.
- Main bolt - carbon steel electro-plated.
- Main bolt follower high tensile brass.
- Keys – Hardened Steel
- Levers and springs – Brass / phosphor Bronze.

Cell locks

4L79

Electromechanical Slam Action Cell Lock



Application:

Purpose

To provide secure locking of swinging cell doors using third party access control systems or conventional key control where automatic deadlocking is a requirement.

Overview

The 4L79 is a surface mounted lock of robust construction based on the Chubb Locks Custodial Services standard cell lock footprint. The main bolt is automatically extended providing a throw of 32mm and deadlocked on closure of door.



- **Electrical Mode** – Deadlocking is achieved when the door is closed and the bolt fully extended, no electric input is required to lock. Unlocking by 24 Volt DC from an external source to energise (lift) the locking solenoid and withdrawing the bolt via the handle. The bolt remains retracted when fully withdrawn and out of frame. Solenoid is designed to be momentarily energised to facilitate un-locking.
- **Mechanical Locking** – Locking achieved using conventional (mechanical key) to engage a secondary deadlock when the door is in frame and main bolt is fully extended. Electric unlocking cannot be achieved while the mechanical locking mechanism is engaged.
- **Manual Override** – In the event of power or communication failure an override key is used to lift (override) the electric locking unit. Both keys are supplied to a different combination and are clearly identified.

Cell locks

4L79

Electromechanical Slam Action Cell Lock



Specification:

Standard Features

- Solid Case Technology; Lock case machined from single piece carbon steel.
- Steel main bolt, with carbide anti-cutting rollers, and 32mm throw.
- Unique solenoid electric locking latch.
- Independent 7-lever locking mechanism.
- Factory restricted key section.
- Lock provides status output of critical functions.
- 5 bolt secure fixing.
- Integral baffle arrangements to resist manipulation and interference via the keyhole.

Performance/Testing/Standards

- Mechanical locking mechanism tested to a minimum of 100,000 operations.
- Handle mechanism tested to a minimum of 300,000 bolt operation.
- Solenoid locking unit tested to a minimum of 1,000,000 cycles.
- Solenoids designed to operate at +/-10% of 24V DC regulated supply.
- Nominal operating current 250mA.
- Saw attack 12 hours
- End load 8.0 kN
- Side Load 25 kN

Additional Features

- Anti-Ligature handle and escutcheon design.
- Range of fixings including back plates, stud fixings, locking plate and keeps.
- Interchangeable mechanical inner locking unit to enable re-coding.
- Door cable available in 3M or 10M lengths (not supplied with lock)
- This lock is not available under a master key system.

Options

- The lock is available in left or right hand variants for opening in or opening out doors and can be fitted to steel or wooden doors.

Dimensions & Weights

Case Height	286mm
Case Length	267mm
Case Thickness	30mm
Bolt Throw	32mm
Bolt Depth	45mm
Bolt Thickness	22mm
Weight (lock only)	12kg

Finish:

- Lock case - carbon steel electro-plated and powder coated exterior.
- Main bolt - carbon steel electro-plated.
- Main bolt follower high tensile brass.
- Keys – Hardened Steel
- Levers and springs – Brass / phosphor Bronze.

Pass locks

3A63

ATLAS® Electronic Pass Lock



Application:

Purpose

To provide secure locking of swinging pass doors controlled by Atlas® LCMS software or conventional key control. Atlas® LCMS software provides a range of operating functionality which can be configured to suit each site.

Overview

The 3A63 is a mortice lock of robust construction based on the Chubb Locks Custodial Services standard large mortice footprint. The main bolt extends by 25mm and is operated turning the handle to both lock and unlock. The lock is designed to accept inputs from tokens and can be programmed to enable a range of time / date driven access permissions. Locks can also be controlled remotely from a control room environment.



- **Electronic Mode** – Deadlocking is achieved by closing the door and turning the handle to fully extend the bolt. Unlocking is achieved by inserting an electronic token (key) into the lock which, after authentication, an input signal is provided to lift the blocking device and withdrawing the bolt via the handle. The lock can also be configured to provide features such as auto-relock, door insecure time out etc. Additionally remote operation can be achieved via Atlas® Client / Mimic PC.
- **Manual Mode** – Locking/unlocking achieved using conventional (mechanical key). Bolt withdrawal by handle. Key operates from both sides of the door
- **Manual Override** – In the event of power or communication failure an override key is used to lift the electric locking unit. Both keys are supplied to a different combination and are clearly identified.

Pass locks

3A63

ATLAS® Electronic Pass Lock



Specification:

Features

- Solid Case Technology; Lock case machined from single piece carbon steel.
- Steel main bolt, with carbide anti-cutting rollers, and 25mm throw.
- Solenoid electric locking latch.
- Visual lock status indication via LED.
- Intelligent lock which will continue to operate in the absence of LCMS server.
- Independent 8-lever locking mechanism.
- Factory restricted key section.
- Integral baffle arrangements to resist manipulation and interference via the keyhole.

Performance

- Mechanical locking mechanism tested to a minimum of 300,000 operations.
- Handle mechanism tested to a minimum of 1,000,000 bolt operations
- Solenoid locking unit tested to a minimum of 1,000,000 cycles.
- Solenoid arrangement designed to operate at +/-10% of 24V DC regulated supply.
- Nominal operating current 500mA .
- Saw attack 12 hours
- End load 13.5 kN
- Side Load 25 kN

Additional Features

- Robust handle and escutcheon design.
- T-handle
- Range of fixings including gate box, transition plates with fixings and locking plate.
- Interchangeable mechanical inner locking unit to enable re-coding.
- This lock is not available under a master key system.

Total Range

- The lock is available in left or right hand variants and can be fitted to steel or wooden doors.

Dimensions & Weights

Case Height	208mm
Case Length	239mm
Case Thickness	29mm
Bolt Throw	25mm
Bolt Depth	45mm
Bolt Thickness	22mm
Weight (lock only)	10.4kg

Finish:

- Lock case - carbon steel electro-plated.
- Main bolt - carbon steel electro-plated.
- Main bolt follower high tensile brass.
- Keys – Hardened Steel
- Levers and springs – Brass / phosphor Bronze.

Pass locks

3G112 Mark 1

Morticed Deadlock – Double Action



Application:

Purpose

To provide secure deadlocking of swinging doors or gates where an enhanced level of security is necessary. This lock is specifically designed for very high use applications; typically securing perimeter doors and main access routes.

Overview

The 3G112 Mark 1 is a mortice deadlock of robust construction based on the Chubb Locks Custodial Services small mortice footprint. The mechanical deadbolt provides an overall throw of 34mm which comprises an initial throw of 17mm and a second throw of a further 17mm.

The lock is designed so that the doubles key will perform both the first and second throw, while the singles key will operate the first throw only.

The lock is operable from both sides with separate key holes for each key type. The escutcheon is designed to prevent the incorrect key being inserted into the lock.

Secure locking is achieved by two independent keys:

Singles Key – Operates first throw only

- Locking is achieved by inserting the singles key into the dished keyhole and rotating fully, this action will extend the bolt to its first position.
- Unlocking is achieved by inserting the singles key into the dished keyhole and rotating fully, this action will withdraw the bolt.

Note the singles key will not operate the second (doubles) throw.

Doubles Key – Operates first and second throw

- Locking, by inserting the doubles key into the offset keyhole and rotating fully the bolt can be thrown to its first position. A further rotation of the key will throw the bolt to its second position, preventing the servant key operating the lock.
- Unlocking is achieved by inserting the doubles key into the offset keyhole and rotating fully. This action will withdraw the bolt to either enable operation under servant key or by a further rotation to fully withdraw the bolt to unlock.

Note the doubles key will operate both throws.



Pass locks

3G112 Mark 1

Morticed Deadlock – Double Action



Specification:

Features

- Composite deadbolt, with carbide anti-cutting rollers and 34mm throw.
- 16 lever highly durable mechanism.
- Independent single and double actions.
- Low friction key journals.
- Lever arrangement designed to provide extended product life.
- Dedicated key profiles.
- Escutcheon designed to give positive key alignment.
- Security fixings to prevent unauthorised removal.

Performance

- Lock tested to a minimum of 500,000 key operations.
- Saw attack 12 hours
- End load 13.5kN
- Side Load 13.5 kN

Additional Features

- Suitable for external and internal use.
- Range of fixings including reinforcing plates and locking plates.
- Available in alternative furniture finishes on request.
- Can be keyed with 3M56 Mark 1 Hook Bolt
- Gate boxes for steel door applications recommended.
- Escutcheon trim plates supplied for wooden door variants as standard.
- Rebate kit available for wooden door applications
- Monitored versions available with micro-switch sensing of bolt position.
- Single sided version available on request.
- Singles key operation only version available on request.
- Doubles key operation only version available on request.

Total Range

- The lock is not handed, however for use on steel doors the short forend version should be ordered and for wooden doors the long forend version is recommended.
- **NOTE:** Wooden Doors: This lock should be fitted to a wooden door with a minimum thickness of 54mm. Please contact CLCS for guidance if alternative wooden door thicknesses are required.
- Fully dimensioned customer drawings are available on request to assist with door preparation.

Dimensions & Weights

Lockcase depth (total)	171.5mm
Lockcase height	114mm
Lockcase width	21mm
Weight (lock only)	2.1kg

Finish:

- Lock case – carbon steel electro-plated.
- Bolt – stainless steel and brass composite.
- Escutcheons – silica brass
- Keys – hardened steel
- Levers and springs – brass / phosphor bronze

Pass locks

3G112 Mark 2

Morticed Deadlock – Double Action



Application:

Purpose

To provide secure deadlocking of swinging doors or gates where an enhanced level of security is necessary. This lock is specifically designed for very high use applications; typically securing perimeter doors and main access routes.

Overview

The 3G112 Mark 2 is a mortice deadlock of robust construction based on the Chubb Locks Custodial Services small mortice footprint. The mechanical deadbolt provides an overall throw of 34mm which comprises an initial throw of 17mm and a second throw of a further 17mm.

The lock provides two independent bolt throws where each throw is operated by a unique key. The keys are designed so that neither key will perform the function of the other key.

The lock is operable from both sides with separate key holes for each key type. The escutcheon is designed to prevent the wrong key being inserted into the lock.

Secure locking is achieved by two independent keys:

Singles Key – Operates first throw only

- Locking is achieved by inserting the singles key into the dished keyhole and rotating fully, this action will extend the bolt to its first position.
- Unlocking is achieved by inserting the singles key into the dished keyhole and rotating fully, this action will withdraw the bolt.

Note the Singles key will not operate the second (Doubles) throw.

Doubles Key – Operates second throw only

- Locking, providing the singles key has been used to operate the first throw, the doubles key can be utilised. By inserting the doubles key into the offset keyhole and rotating fully the bolt will be thrown to its maximum extent and preventing operation by the servant key.
- Unlocking is achieved by inserting the doubles key into the offset keyhole and rotating fully, this action will withdraw the bolt to enable operation under servant key.

Note the Doubles key will not operate the first (Single) throw.



Pass locks

3G112 Mark 2

Morticed Deadlock – Double Action



Specification:

Features

- Composite deadbolt, with carbide anti-cutting rollers and 34mm throw.
- 16 lever highly durable mechanism.
- Independent single and double actions.
- Low friction key journals.
- Lever arrangement designed to provide extended product life.
- Dedicated key profiles.
- Escutcheon designed to give positive key alignment.
- Security fixings to prevent unauthorised removal.

Performance

- Lock tested to a minimum of 500,000 key operations.
- Saw attack 12 hours
- End load 13.5kN
- Side Load 13.5 kN

Additional Features

- Suitable for external and internal use.
- Range of fixings including reinforcing plates and locking plates.
- Available in alternative furniture finishes on request.
- Can be keyed with 3M56 Mark 2 Hook Bolt
- Gate boxes for steel door applications recommended.
- Escutcheon trim plates supplied for wooden door variants as standard.
- Rebate kit available for wooden door applications
- Monitored versions available with micro-switch sensing of bolt position.
- Single sided version available on request.
- Singles key action only, version available on request.

Total Range

- The lock is not handed, however for use on steel doors the short forend version should be ordered and for wooden doors the long forend version is recommended.
- **NOTE:** Wooden Doors: This lock should be fitted to a wooden door with a minimum thickness of 54mm. Please contact CLCS for guidance if alternative wooden door thicknesses are required.
- Fully dimensioned customer drawings are available on request to assist with door preparation.

Dimensions & Weights

Lockcase depth (total)	171.5mm
Lockcase height	114mm
Lockcase width	21mm
Weight (lock only)	2.1kg

Finish:

- Lock case - carbon steel electro-plated.
- Bolt – stainless steel and brass composite.
- Escutcheons – silica brass
- Keys – hardened steel
- Levers and springs – brass / phosphor bronze.

Pass locks

3G112 Mark 3

Morticed Deadlock – Single Action



Application:

Purpose

To provide secure locking of swinging pass / control doors and gates where positive locking by a mechanical key is required.

Overview

The 3G112 Mark 3 is a mortice deadlock of robust construction based on the Chubb Locks Custodial Services small mortice lock footprint. The mechanical deadbolt provides a throw of 17mm.

The lock provides deadlocking operated by a unique key profile to the Mark 3 range of locks and will not operate Mark 1 or Mark 2 lock variants. The lock is operable from both sides and the escutcheon is designed to allow only the correct key profile to be inserted into the lock.

Note: This lock cannot be master keyed.



Pass locks

3G112 Mark 3

Morticed Deadlock – Single Action



Specification:

Principal of Operation

- **To Deadlock** – Insert the key in to the escutcheon and rotate once (top of the key rotates towards the door edge)
- **To Unlock** – Insert the key in to the escutcheon and rotate once (top of the key rotates away from the door edge)

Standard Features

- Heavy Duty Electroplated Steel cap and case
- 17mm throw laminated bolt fitted with anti-saw Tungsten Carbide rollers
- 12 lever key mechanism (6 for the purpose of differing)
- Factory restricted hardened steel one piece key
- Nylon key journals moulded to the cap and case to increase wear resistance
- Security fixing screws
- Microswitch versions feature bolt status monitoring

Performance/Testing/Criteria

- Mechanical locking mechanism tested to a minimum of 500,000 operations
- Saw attack on the main bolt 12 hours
- End load 13.5 kN
- Side Load 13.5 kN
- Impact tested to UK Government requirements

Total Range

- The lock is not handed, however for use on steel doors the short forend version should be ordered and for wooden doors the long forend version is recommended.
- **NOTE:** Wooden Doors: This lock should be fitted to a wooden door with a minimum thickness of 54mm. Please contact CLCS for guidance if alternative wooden door thicknesses are required.

Dimensions & Weights (Approx)

Case Height	114mm
Case Length	171mm
Case Thickness	21mm
Bolt Throw	17.4mm
Bolt Depth	58.7mm
Bolt Thickness	16.5mm
Weight (lock only)	2.5kg

Finish:

- Lock case – carbon steel electro-plated
- Main bolt – stainless steel bolt tail with brass bolt heads and running blocks. Stainless Steel bolt head & blocks are available
- Escutcheons – investment cast brass natural
- Faceplate – Brass
- Keys – Hardened Steel
- Levers and springs – Brass / phosphor Bronze.

Pass locks

3G317

Morticed Deadlock



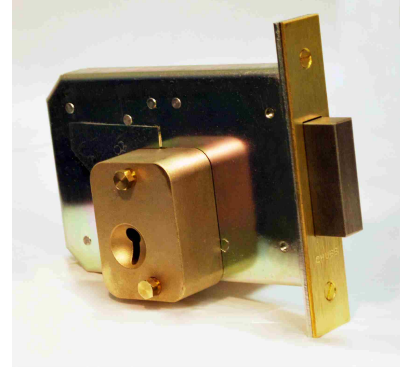
Application:

Purpose

To provide secure deadlocking of swinging doors or gates where a greater range of keying options is desirable. This lock is designed for high usage applications and is also suitable for specialised applications such as explosive containers and armouries.

Overview

The 3G317 is a mortice deadlock of robust construction based on the Chubb Locks Custodial Services small mortice footprint. The mechanical deadbolt can be supplied with single throw of 20mm or a double throw of 40mm. The lock is can be supplied with key operation from both sides or from one side only.



Unlocking / Locking is achieved by turning the key fully which extends and withdraws the deadbolt. The lock can be configured to operate under a number of key control arrangements which are as follows:

- **Single key – single throw deadlock** – Keyed to differ.
- **Master keyed – single throw deadlock** – Keyed to differ or to pass in groups under a common master key.
- **Twin keyed, double throw, double action deadlock** – Singles key operates first throw only and doubles key operates second throw only. Doubles key locks out unauthorised use of singles key when second throw is operated.
- **Twin keyed, double throw, double action deadlock** – Singles key operates first throw only and doubles key operates both first and second throw. Doubles key locks out unauthorised use of singles key when second throw is operated.

Pass locks

3G317

Morticed Deadlock



Specification:

Features

- Carbon steel deadbolt, with carbide anti-cutting rollers and 40mm maximum throw.
- 7 detainer manipulation resistant locking mechanism.
- Independent Single and Doubles actions available.
- Precision machined and hardened bolt thrower.
- Dedicated key profile operates 3G317 range of locks only.
- Escutcheon designed to give positive key alignment.
- Security fixings to prevent unauthorised removal.

Performance

- Lock tested to a minimum of 500,000 key operations.
- Saw attack 30 mins
- End load 9 kN
- Side Load 13.5 kN

Additional Features

- Suitable for external and internal use.
- Range of fixings including reinforcing plates and locking plates.
- Available in alternative furniture finishes on request.
- Cannot be keyed with any other locks in the CLCS range.
- Key designed to enable quick and easy re-alignment of displaced throwers.
- Gate boxes for steel door applications recommended.
- Escutcheon trim plates supplied for wooden door variants as standard.
- Rebate kit available for wooden door applications.
- Monitored versions available with micro-switch sensing of bolt position.
- Single sided version available on request.

Total Range

- The lock is generally not handed, however when keyed from one side only the lock is handed. For use on steel doors the short forend version should be ordered and for wooden doors the long forend version is recommended.
- **NOTE:** CLCS recommend this lock is used in conjunction with a wooden door 54mm thick. Please contact CLCS for guidance if alternative wooden door thicknesses are required.
- Fully dimensioned customer drawings are available on request to assist with door preparation.

Dimensions & Weights

Lockcase depth (total)	171.5mm
Lockcase length	114.2mm
Lockcase width	21.5mm
Weight (lock only)	3kg

Finish:

- Lock case – carbon steel electro-plated.
- Bolt – carbon steel electro-plated.
- Escutcheons – silica brass
- Keys – hardened steel
- Detainers and springs – brass / phosphor bronze.

Pass locks

3M56 Mark 2

Morticed Hookbolt Lock – Double Action



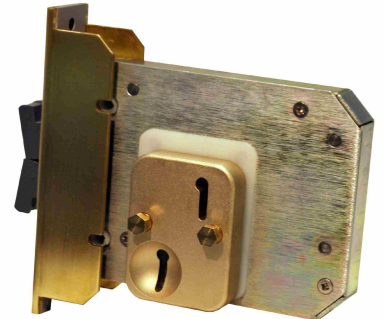
Application:

Purpose

To provide secure deadlocking of sliding doors or gates where an enhanced level of security is necessary. This lock is specifically designed for very high use applications; typically securing perimeter doors and main access routes.

Overview

The 3M56 Mark 2 is a mortice hook bolt lock of robust construction based on the Chubb Locks Custodial Services small mortice footprint. Twin locking laminated and hardened hooks are used to provide positive engagement in the frame with maximum strength.



The lock provides two independent throws of the anchor bolt where each throw is operated by a different key profile. The keys are designed so that neither key will perform the function of the other key.

The lock is operable from both sides with separate key holes for each key type. The escutcheon is designed to prevent the wrong key being inserted into the lock.

Secure locking is achieved by two independent keys:

Singles Key – Operates first throw only

- Locking is achieved by inserting the singles key into the dished keyhole and rotating fully, this action will extend the anchor bolt to expand the reinforced hooks to their fully thrown position.
- Unlocking is achieved by inserting the singles key into the dished keyhole and rotating fully, this action will withdraw the anchor bolt and retract the reinforced hooks to their rest position.
- **Note** the Singles key will not operate the second (Double) throw.

Doubles Key – Operates second throw only

- Locking, by inserting the Doubles key into the offset keyhole and rotating fully the anchor bolt can be thrown to its second position, preventing the Singles key operating the lock.
- **Note:** the use of the Doubles key does not engage the hooks any further.
- Unlocking is achieved by inserting the Doubles key into the offset keyhole and rotating fully, this action will withdraw the anchor bolt to its first position to enable operation under Singles key.
- **Note** the Doubles key will not operate servant throw.

Pass locks

3M56 Mark 2

Morticed Hookbolt Lock – Double Action



Specification:

Features

- Laminated and hardened hooks to resist cutting.
- Reinforcing bolts to resist forced attack.
- 16 lever highly durable mechanism.
- Independent Single and Double actions.
- Low friction key journals.
- Lever arrangement designed to provide extended product life.
- Dedicated key profiles.
- Escutcheon designed to give positive key alignment.
- Security fixings to prevent unauthorised removal.

Performance

- Lock tested to a minimum of 500,000 key operations.
- Saw attack 10 minutes
- End load 13.5 kN
- Pull test load 13.5 kN

Additional Features

- Suitable for external and internal use.
- Specially designed forend and fascia locking plates.
- Available in alternative furniture finishes on request.
- Can be keyed with 3G112 Mark 2 Deadbolt
- Gate boxes for steel door applications recommended.
- Escutcheon trim plates supplied for wooden door variants as standard.
- Monitored versions available with micro-switch sensing of bolt position.
- Single sided version available on request.
- Singles key action only, version available on request.

Total Range

- The lock is not handed, however for use on steel doors the short forend version should be ordered and for wooden doors the long forend version is recommended.
- **NOTE:** CLCS recommend this lock is used in conjunction with a wooden door 54mm thick. Please contact CLCS for guidance if alternative wooden door thicknesses are required.
- Fully dimensioned customer drawings are available on request to assist with door preparation.

Dimensions & Weights

Lockcase depth (total)	171.5mm
Lockcase length	141.2mm
Lockcase width	21mm
Weight (lock only)	3kg

Finish:

- Lock case - carbon steel electro-plated.
- Anchor bolt – stainless steel and carbon steel composite.
- Hook bolts – hardened steel.
- Escutcheons – silica brass
- Keys – hardened steel
- Levers and springs – brass / phosphor bronze

Pass locks

3M56 Mark 3

Morticed Hookbolt Lock – Single Action



Application:

Purpose

To provide secure deadlocking of sliding doors or gates where an enhanced level of security is necessary. This lock is specifically designed for very high use applications; typically securing internal doors and main access routes.

Overview

The 3M56 Mark 3 is a mortice hook bolt lock of robust construction based on the Chubb Locks Custodial Services small mortice footprint. Twin locking laminated and hardened hooks are used to provide positive engagement in the frame with maximum strength.



The lock provides deadlocking operated by a unique key profile to the Mark 3 range of locks and will not operate Mark 1 or Mark 2 lock variants.

The lock is operable from both sides and the escutcheon is designed to allow only the correct key profile being inserted into the lock.

The lock cannot be Master Keyed.

Secure locking is achieved by:

- Locking is achieved by inserting the key into the dished keyhole and rotating fully, this action will extend the anchor bolt to expand the reinforced hooks to their fully thrown position.
- Unlocking is achieved by inserting the key into the dished keyhole and rotating fully, this action will withdraw the anchor bolt and retract the reinforced hooks to their rest position.

Pass locks

3M56 Mark 3

Morticed Hookbolt Lock – Single Action



Specification:

Features

- Laminated and hardened hooks to resist cutting.
- Reinforcing bolts to resist forced attack.
- 12 lever highly durable mechanism.
- Low friction key journals.
- Lever arrangement designed to provide extended product life.
- Dedicated key profiles.
- Escutcheon designed to give positive key alignment.
- Security fixings to prevent unauthorised removal.

Performance

- Lock tested to a minimum of 500,000 key operations.
- Saw attack 10minutes
- End load 13.5 kN
- Pull test load 13.5 kN

Additional Features

- Suitable for external and internal use.
- Specially designed forend and fascia locking plates.
- Available in alternative furniture finishes on request.
- Can be keyed with 3G112 Mark 3 Deadbolt
- Gate boxes for steel door applications recommended.
- Escutcheon trim plates supplied for wooden door variants as standard.
- Monitored versions available with micro-switch sensing of bolt position.
- Single sided version available on request.

Total Range

- The lock is not handed, however for use on steel doors the short forend version should be ordered and for wooden doors the long forend version is recommended.
- **NOTE:** CLCS recommend this lock is used in conjunction with a wooden door 54mm thick. Please contact CLCS for guidance if alternative wooden door thicknesses are required.
- Fully dimensioned customer drawings are available on request to assist with door preparation.

Dimensions & Weights

Lockcase depth (total)	171.5mm
Lockcase height	141.2mm
Lockcase width	21mm
Weight (lock only)	3kg

Finish:

- Lock case - carbon steel electro-plated.
- Anchor bolt – stainless steel and carbon steel composite.
- Hook bolts – hardened steel.
- Escutcheons – silica brass
- Keys – hardened steel
- Levers and springs – brass / phosphor bronze

Pass locks

3R63

Electromechanical Mortice Pass Lock



Application:

Purpose

To provide secure locking of swinging passage / control doors using third party security management systems (SMS) or conventional key control. Designed to enable key and electric operation from both sides of the door. This lock is specifically designed for very high use applications; typically securing perimeter doors and main access routes.

Overview

The 3R63 is a mortice lock of robust construction based on the Chubb Locks Custodial Services large mortice footprint. It has a substantial bolt designed to be withdrawn by means of a large 'T' handle or lever handle, on either side of the lock, whether opening or closing the door. The face of the bolt is angled so that it will slam shut in an emergency, but excessive slamming is not recommended and may lead to premature wear and failure. Locking is achieved by means of a completely separate (and interchangeable) inner locking unit, operable from either side, the vertically sliding bolt of which, engages in a recess in the main bolt: alternatively, a plunger controlled by the solenoid unit, operates in a similar manner at the rear end of the bolt.



Pass locks

3R63

Electromechanical Mortice Pass Lock



Specification:

Principal of Operation

- **Electrical Mode** – Locking/unlocking by 24 Volt DC controlled sequence from an external source (SMS). Bolt withdrawal by handle, which should also be used when engaging the bolt to secure the door.
- **Manual Mode** – Locking/unlocking achieved using conventional (mechanical key). Bolt withdrawal by handle, which should also be used when engaging the bolt to secure the door.
- **Manual Override** – In the event of power or communication failure an override key is used to disable the electric locking function.

Standard Features

- Solid Case Technology; Lock case machined from single piece carbon steel block.
- 25mm throw solid steel main bolt fitted with anti-saw Tungsten Carbide rollers
- Dual solenoid electric locking latch.
- Independent 8-lever locking mechanism.
- Lock provides status monitoring of critical functions and tamper.
- Integral baffle arrangements to resist manipulation and interference via the keyhole.
- Dedicated key profile operates 3A63/3A73/3R63 group of locks only.

Performance/Testing/Standards

- Mechanical locking mechanism tested to a minimum of 300,000 operations.
- Solenoid locking unit tested to a minimum of 1,000,000 cycles.
- Saw attack on the main bolt 12 hours.
- Solenoid arrangement designed to operate at +/-10% of 24V DC regulated supply.
- Nominal operating current 500mA.
- End load 13.5 kN
- Side Load 25 kN

Additional Items

- Range of handle / knob options
- Gate Box
- Lock Interface Unit to facilitate operation by commercial access control systems
- Door cable
- Reinforcing plates for use on wooden doors

Dimensions & Weights

Case Height	207mm
Case Length	229mm
Case Thickness	29mm
Bolt Throw	25mm
Bolt Depth	45mm
Bolt Thickness	22mm
Weight (lock only)	10.5kg

Please request customer drawing for detailed information.

Finish:

- Lock case - carbon steel electro-plated.
- Main bolt - carbon steel electro-plated.
- Main bolt follower – high tensile brass.
- Keys – hardened steel
- Levers and springs – brass / phosphor bronze.

Pass locks

3R63

Electromechanical Mortice Pass Lock



Options:

The lock is available in left or right hand variants and can be fitted to steel doors as standard. The lock can be fitted to wooden doors (using long forend versions) providing sufficient cable containment and power transfer facilities are available.

Pass locks

3R63

Electromechanical Mortice Pass Lock With DIF Sensor



Application:

Purpose

To provide secure locking of swinging passage / control doors using third party security management systems (SMS) or conventional key control. Designed to enable key and electric operation from both sides of the door. This lock is specifically designed for very high use applications; typically securing perimeter doors and main access routes. Locks detailed in this specification also include an integral Door In Frame Sensor (DIF) to indicate the door status when used in conjunction with a suitable DIF magnet.

Overview

The 3R63 is a mortice lock of robust construction based on the Chubb Locks Custodial Services large mortice footprint. It has a substantial bolt designed to be withdrawn by means of a large 'T' handle or lever handle, on either side of the lock, whether opening or closing the door. The face of the bolt is angled so that it will slam shut in an emergency, but excessive slamming is not recommended and may lead to premature wear and failure. Locking is achieved by means of a completely separate (and interchangeable) inner locking unit, operable from either side, the vertically sliding bolt of which, engages in a recess in the main bolt: alternatively, a plunger controlled by the solenoid unit, operates in a similar manner at the rear end of the bolt.



Pass locks

3R63

Electromechanical Mortice Pass Lock With DIF Sensor



Specification:

Principal of Operation

- **Electrical Mode** – Locking/unlocking by 24 Volt DC controlled sequence from an external source (SMS). Bolt withdrawal by handle, which should also be used when engaging the bolt to secure the door.
- **Manual Mode** – Locking/unlocking achieved using conventional (mechanical key). Bolt withdrawal by handle, which should also be used when engaging the bolt to secure the door.
- **Manual Override** – In the event of power or communication failure an override key is used to disable the electric locking function.

Standard Features

- Solid Case Technology; Lock case machined from single piece carbon steel block.
- 25mm throw solid steel main bolt fitted with anti-saw Tungsten Carbide rollers
- Dual solenoid electric locking latch.
- Independent 8-lever locking mechanism.
- Lock provides status monitoring of critical functions and tamper.
- Integral baffle arrangements to resist manipulation and interference via the keyhole.
- Dedicated key profile operates 3A63/3A73/3R63 group of locks only.
- Integral Door in Frame (DIF) sensor (Typically 3 to 6mm working range)

Performance/Testing/Standards

- Mechanical locking mechanism tested to a minimum of 300,000 operations.
- Solenoid locking unit tested to a minimum of 1,000,000 cycles.
- Saw attack on the main bolt 12 hours.
- Solenoid arrangement designed to operate at +/-10% of 24V DC regulated supply.
- Nominal operating current 500mA.
- End load 13.5 kN
- Side Load 25 kN

Additional Items

- Handle and escutcheon kits (not supplied with the lock). Kits can be supplied to suit various functional requirements, door thicknesses and aesthetic requirements. Contact CLCS for further details.
- Frame mounted magnet assembly (to operate with the integral DIF sensor)
- Locking plate with integral magnet assembly.
- Gate Box
- Lock Interface Unit to facilitate operation by commercial access control systems
- Door cable
- Reinforcing plates for use on wooden doors

Dimensions & Weights

Case Height	207mm
Case Length	229mm
Case Thickness	29mm
Bolt Throw	25mm
Bolt Depth	45mm
Bolt Thickness	22mm
Weight (lock only)	10.5kg

Please request customer drawing for detailed information.

Pass locks

3R63

Electromechanical Mortice Pass Lock With DIF Sensor



Finish:

- Lock case – carbon steel electro-plated.
- Main bolt – carbon steel electro-plated.
- Main bolt follower – high tensile brass.
- Keys – hardened steel
- Levers and springs – brass / phosphor bronze.

Options:

The lock is available in left or right hand variants and can be fitted to steel doors as standard. The lock can be fitted to wooden doors (using long forend versions) providing sufficient cable containment and power transfer facilities are available.

Lock ancillaries and lock furniture

4A79

Electronic Slam Action Cell Lock



Application:

Purpose

To provide secure locking of swinging cell doors controlled by Atlas® LCMS software or conventional key control when automatic deadlocking is a requirement. Atlas® LCMS software provides a range of operating functionality which can be configured to suit each site.

Overview

The 4A79 is a surface mounted lock of robust construction based on the Chubb Locks Custodial Services standard cell lock footprint. The main bolt is automatically extended providing a throw of 32mm and deadlocked on closure of door.



- **Electronic Mode** – Deadlocking is achieved when the door is closed and the bolt fully extended. Unlocking is achieved by inserting an electronic token (key) into the lock. After authentication an input signal is provided to lift the blocking device that permits withdrawing the bolt via the handle. The bolt remains retracted when fully withdrawn and out of frame. The lock can also be configured to provide features such as anti-shut in and cell check functions. Additionally remote operation can be achieved via Atlas® Client / Mimic PC.
- **Manual Mode** – Locking/unlocking is achieved using conventional (mechanical key). Bolt withdrawal by handle. Key operates from corridor side only.
- **Manual Override** – In the event of power or communication failure an override key is used to lift the electric locking unit. Both keys are supplied to a different combination and are clearly identified.

Lock ancillaries and lock furniture

4A79

Electronic Slam Action Cell Lock



Specification:

Solid Case Technology; Lock case machined from single piece carbon steel.

- Steel main bolt, with carbide anti-cutting rollers, and 32mm throw.
- Solenoid electric locking latch.
- Visual lock status indication via integral LED.
- Intelligent lock which will continue to operate in the absence of LCMS server.
- Independent 7-lever locking mechanism.
- Factory restricted key section.
- Integral door in frame sensor.
- 5 bolt secure fixing.
- Integral baffle arrangements to resist manipulation and interference via the keyhole.

Performance

- Mechanical locking mechanism tested to a minimum of 100,000 operations.
- Handle mechanism tested to a minimum of 300,000 bolt operations
- Solenoid locking unit tested to a minimum of 1,000,000 cycles.
- Solenoid arrangement designed to operate at +/-10% of 24V DC regulated supply.
- Nominal operating current 500mA .
- Saw attack 12 hours
- End load 13.5 kN
- Side Load 25 kN

Additional Features

- Anti-Ligature handle and escutcheon design.
- Range of fixings including backplates, stud fixings, locking plate and keeps.
- Interchangeable mechanical inner locking unit to enable re-coding.

Total Range

- The lock is available in left or right hand variants for opening in or opening out doors and can be fitted to steel or wooden doors.

Dimensions & Weights

Case Height	286mm
Case Length	267mm
Case Thickness	30mm
Bolt Throw	32mm
Bolt Depth	45mm
Bolt Thickness	22mm
Weight (lock only)	12kg

Finish:

- Lock case - carbon steel electro-plated and powder coated exterior.
- Main bolt - carbon steel electro-plated.
- Main bolt follower high tensile brass.
- Keys – Hardened Steel
- Levers and springs – Brass / phosphor Bronze.