5400 Series

Mortice Cylinder Locks

Introduction

A comprehensive range of Euro profile cylinder mortice lockcases available with round and square forend and strikes.

Note: when used on fire doors intumescent packs must be used to maintain fire door integrity.



Features & Functions

- Zinc coated steel case
- Backset 60mm
- Centres 72/78mm
- Grade 304 stainless steel single piece round or square forend
- Quick reversible latch allows quick and trouble free on-site handing without the need to dismantle the lockcase
- Profiled latch and forend provides very positive location and a smooth, quiet operation
- Satin nickel plated for corrosion resistance
- 25° follower action with springing suitable for high frequency applications
- Positive follower angle (1°) reduces the effect of wear which can lead to lever droop
- 22mm drill resistant double throw bolt from 2 turns of the cylinder offers high levels of physical security on sashlocks and deadlock variants
- Bolt through fixing holes to DIN 18251
- Guided cylinder screw accurately aligns the fixing to the cylinder
- Cylinder latch function enables the cylinder to withdraw the deadbolt on the first turn and the latch on the second turn of the cylinder (5420, 5430)
- 10mm throw deadbolt operated by thumbturn & emergency release on bathroom sashlock

Certification

UKCA Marked to EN 12209 - **5410** (1121-CPR-AG7625)
- **5420, 5430, 5440, 5470** (1121-CPR-AG7626)

CE Marked to EN 12209 - **5410** (2812-CPR-AG0017)
- **5420, 5430, 5440, 5470** (2812-CPR-AG0018)

Certifire Approved (CF741)

Fire tested to EN 1634-1 for use on fire doors up to 90 mins timber / 4hr steel
[May be fitted to fully insulated steel based doorsets or uninsulated steel based doorsets where the closer is fitted to the fire risk face only].*

Environmental Product Declaration in accordance with ISO 14025 and EN 15803

DoP available at www.britondops.co.uk

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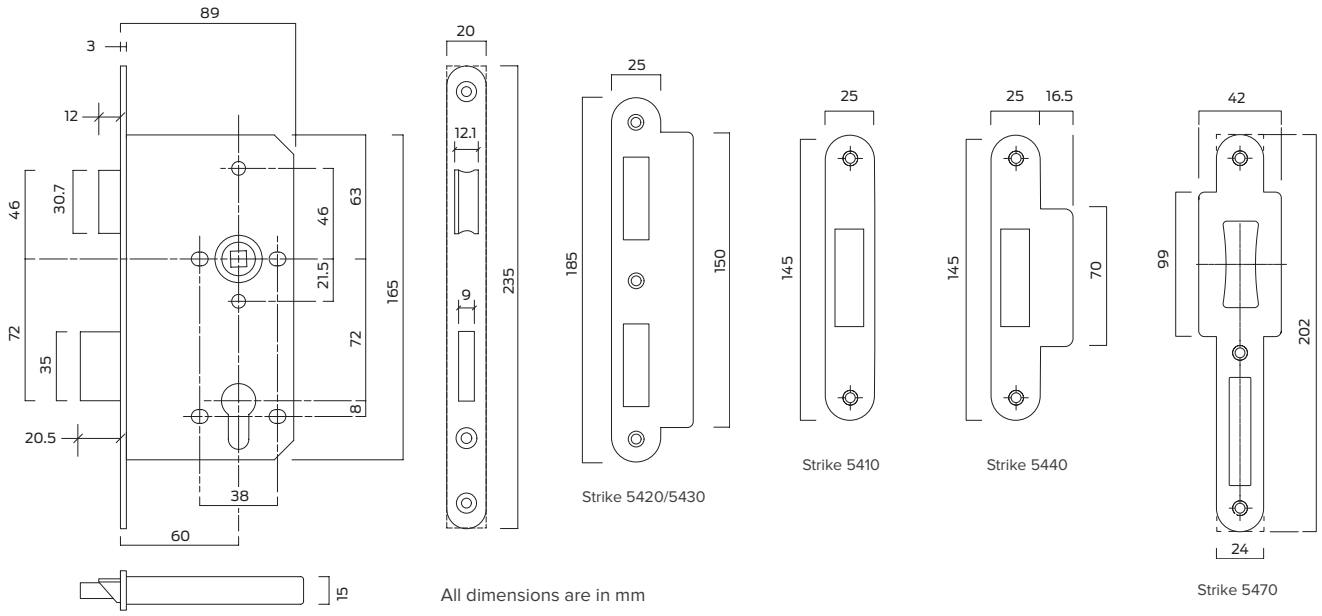
MORTICE LOCKCASES

5400 Series Mortice Cylinder Locks

Product features	Product references				
	5410.60.R	**5420.60.R**	**5430.60.R**	**5440.60.R**	**5470.60.R**
Lock Function	Deadlock	Sashlock	Bathroom Lock	Latch	Roller Bolt
Forend style	Radiused	Radiused	Radiused	Radiused	Radiused
Backset	60mm	60mm	60mm	60mm	60mm
Centres	n/a	72mm	78mm	n/a	n/a
CE Classification	**3X810G2BC00**	**3X810G2BC20**	**3X810G-BG20**	**3X810G-B020**	**NPDC810-0B000**

Product features	Product references				
	5410.60.S	**5420.60.S**	**5430.60.S**	**5440.60.S**	**5470.60.S**
Lock Function	Deadlock	Sashlock	Bathroom Lock	Latch	Roller Bolt
Forend style	Square	Square	Square	Square	Square
Backset	60mm	60mm	60mm	60mm	60mm
Centres	n/a	72mm	78mm	n/a	n/a
CE Classification	**3X810G2BC00**	**3X810G2BC20**	**3X810G-BG20**	**3X810G-B020**	**NPDC810-0B000**



All dimensions are in mm

Finishes

All lockcases available in stainless steel with a satin finish.

SS
Satin stainless steel

Accessories & Parts	
5000.001	Heavy Duty Strike Box For Sashlocks & Bathroom Locks
5000.003	Square End Rebate Kit (13mm) For Sashlocks
5000.005	Square End Rebate Kit (13mm) For Latches & Nightlatches
5000.007	Square End Rebate Kit (13mm) For Deadlocks
5000.009	Standard Radius Strike For Sashlocks
5000.010	Standard Square Strike For Sashlocks
5000.011	Standard Round Strike For Latches
5000.013	Standard Round Strike For Deadlocks
5000.022	Heavy Duty Strike Box For Sashlocks
5400.IP	Intumescent Pack for use on fire doors

General Maintenance

5400 Series

Mortice Lockcases

There are two principal types of mortice lock, cylinder locks and lever locks.

Cylinder locks are two part locks, having a separate locking cylinder which fits into the lockcase. The cylinder protrudes from one or both faces of the door and accepts the key which operates locking function.

Lever locks have the locking function and keyway integral with the lockcase.

Provided the lock and its hardware have been correctly installed and the door has not been distorted, the lock and hardware should not need to be adjusted or lubricated.

Types of maintenance

Much of the routine maintenance recommended consists of a combination of visual and mechanical checks, cleaning and lubrication. Look out for the icons opposite which provide a 'quick glance' reminder of the maintenance required.

Visual checks

Primarily making a visual check on the product and surrounding door/frame looking for wear, damage, and general condition.



Functional checks

Consists of checking that the product operates properly ensuring the door can fully close without any binding or undue force required. Check that any seals or weatherstripping do not inhibit correct operation of the door



Check fixings

Fixings need to be checked regularly and tightened when necessary. Check that no projection of fixings prevents the door from swinging freely.



Lubricating

The keyway of a cylinder should NOT be lubricated with oil. A light application of powdered graphite may be used.



Cleaning

Build up of grease, dust and harmful chemicals should be removed to prevent corrosion and maintain the product finish.



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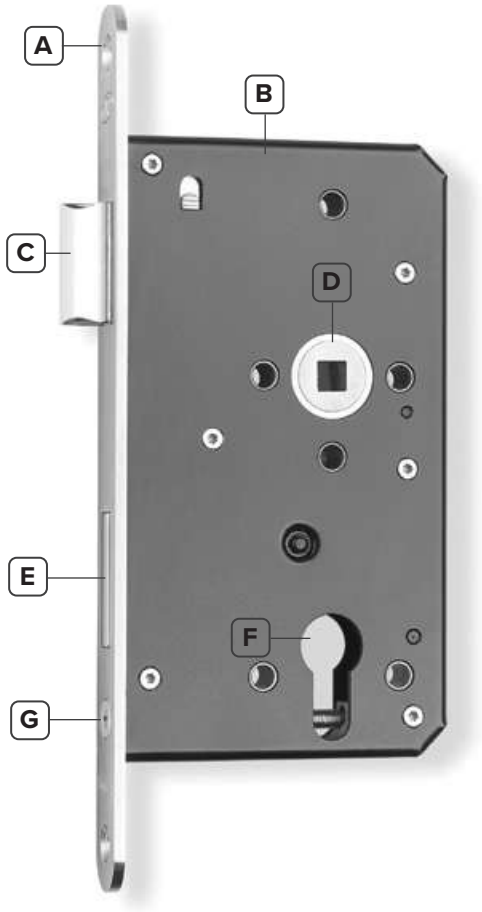
Mortice Lockcase Maintenance



MORTICE LOCKCASES

Primary components of the cylinder lock (opposite) are:

A - Forend (fixings may be concealed beneath a forend cover plate); B - Lockcase (cover should not be removed);
C - Latchbolt; D - Follower; E - Deadbolt; F - Cylinder port (on bathroom locks this is replaced by a second follower which is operated by the thumbturn; G - Cylinder fixing screw.

MONTHLY



Check lock forend and lever handles for dirt and grease and wipe clean as directed by the "Care of Finishes" on page 16 of the ‘Service & Maintenance Guide’..

ANNUALLY



Check that the latch and deadbolt (if appropriate) operate smoothly and that the levers (where fitted) return to the horizontal position.

Check that the latch and/or deadbolt locate fully into their strike plate. Any misalignment of the lock and the strike should be rectified immediately.



Check that the key enters the cylinder (except bathroom locks) smoothly and that the key (and thumbturn if fitted) operates the lock mechanism smoothly.

Check that fixings are tight on the lock and the lever furniture, including the grub screw fixing of the lever handles.



If necessary a small amount of light machine oil can be used around the shank of the levers.