



## Synergy 3570 Series Mortice Locks

## Synergy 3570 Series Cylinder Mortice Locks

### Application

A wide range of security cylinder mortice locks and latches suitable for heavy duty use in industrial and commercial buildings, institutions, clubs, schools, hospitals, hotels and similar buildings.

### Features and Specifications

Synergy Series Cylinder Mortice Locks are made from quality materials to meet high durability and strength requirements.

#### Case and Cover Plates

- High purity zinc alloy material cases and stainless steel cover plates
- Brass plates provided for plated finishes available

#### Backset

- 60mm standard backset
- Extended backsets 89 and 127mm are available (Refer to Ordering Procedure)

#### Latchbolts

Latchbolts are 15mm, stainless steel. Deadlatching is achieved by an auxiliary stainless steel latchbolt. This auxiliary bolt retracts when the main latchbolt is withdrawn when the door is closed.

#### Deadbolts

Deadbolts are 19mm, stainless steel.

#### Springs

High grade spring steel material, corrosion protected.

#### Cylinder Retaining Pin

Hard-drawn spring steel wire, corrosion protected.

#### Door Thickness

- Synergy Series locks - 32mm to 50mm
- 3579 Series SCEC Locks - 35.50mm

Components to facilitate use on suit thicker doors are available on application.

### Door Clearance

To ensure correct functioning of the deadlatching mechanism and security for all locks, the clearance between the door and the frame should be 3mm. The deadlatching will operate up to 8mm door clearance, however door clearances over 5mm are not recommended.

### Aluminium Doors

Aluminium door accessory packs and aluminium fix locks are available upon request. Specify SP3570-419 for mounting tabs accessory pack.

### Security

All Synergy Series Cylinder Mortice Locks conform with Level S2 (Physical Security) Australian Lock Standard (AS-4145.2-1993). Level S3 (Physical Security) is available upon request.

### Durability

All Synergy Series Cylinder Mortice Locks conform with Level D3 (Durability) Australian Lock Standard (AS 4145.2-1993).

### Fire Rating

Lockwood Synergy Series Mortice Locks have been successfully tested up to four hours (depending on type of doorset) on fire door assemblies in accordance with Australian Standard AS 1905.1-2005, Part 1: Fire Resistant Doorsets.

### Cylinder

Bump resistant five pin tumbler mechanism. Standard Lockwood oval shaped brass cylinders and brass barrels.

Functions require the use of different cams and adaptors.

### Keying

#### Standard Keying

- Supplied individually keyed with two keys per lock
- 78000 key combinations

### Restricted Special Keying

Lockwood locks can be keyed to a number of controlled and/or specially keyed systems. These range from legally protected keys to protect against unauthorised duplication and can also include specially designed keying systems such as master key systems. This allows for different levels of mechanical access control.

Please refer to [assaabloy.com.au](http://assaabloy.com.au) for keying systems or contact your local sales office or customer service for specific information.

### Standard Finishes

Satin Chrome Brushed	SC
Chrome Plate	CP
Polished Brass	PB

### Extended Cylinders

Modular Cylinder Extensions are available for thicker doors.

### Rebate

Rebate kits to suit 13mm standard rebate are available.

### Electric Strikes

Lockwood Synergy Series Mortice Locks are compatible with most electric strikes. Refer to [assaabloy.com.au](http://assaabloy.com.au) for further details.

**S2 HIGH SECURITY**

**D3 DURABILITY**

**FIRE RATED**

## 3570 Series Standard Backset

### 1. Hub Selection

A patent protected cam operated hub setting mechanism accessible through the lock body from the outside.

### 2. Latch Bolt

Reversible for both left and right hand doors opening in or opening out without disassembly.

Standard deadlatch configuration, except for passage latch function.

Separate auxiliary bolt moves into lock case simultaneously with latch bolt.

Bolt – stainless steel fire rated to 4 hours as standard. Electric strike compatible.

### 3. Strike

Universal stainless steel strike suitable for 4 hour fire rating applications.

### 4. Door Thickness

Standard applications 32 to 50mm.

### 5. Backsets

60mm standard, 89mm and 127mm available.

### 6. Cylinder/Adaptor Retention

"Slip Pin" Cylinder/Adaptor fixing method, which allows attachment to the case by inserting a non-threaded cylindrical pin through the front of the lock case.

### 7. Multi-Function Lock

Lock is designed to significantly reduce stock line items.

### 8. Case Assembly

High purity zinc alloy case and backplate.

### 9. Cylinder Assembly

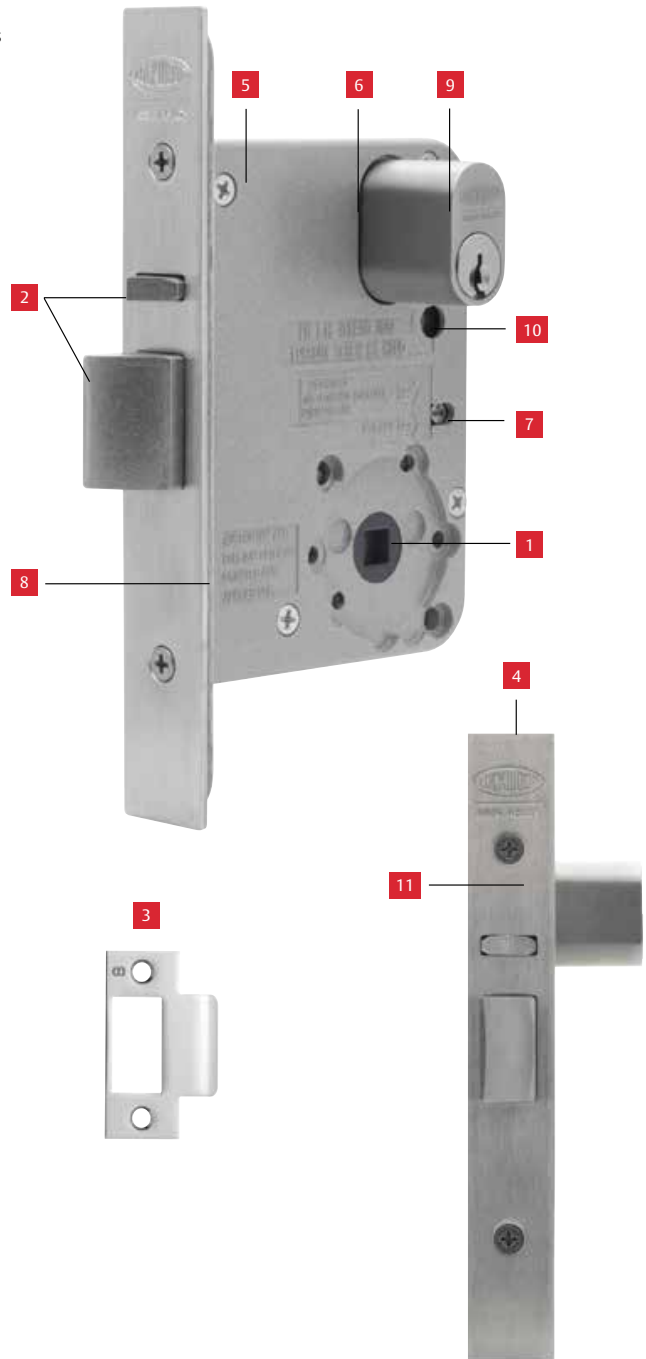
Five pin tumbler mechanism. Standard Lockwood oval shaped, brass cylinders and brass barrels.

### 10. Kick-Off Selection

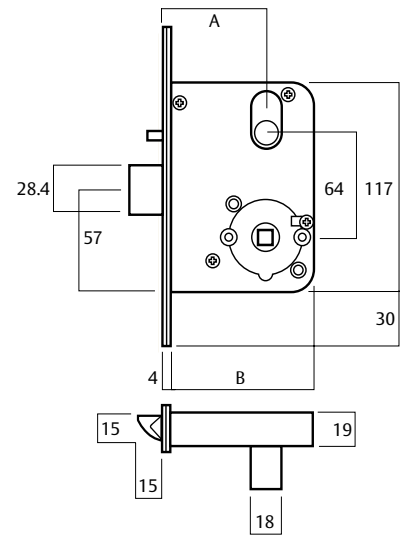
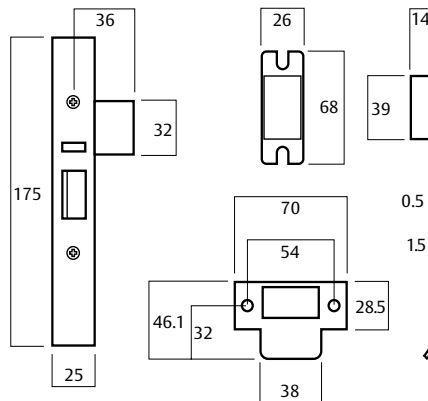
A removable screw mechanism selects kick-off (screw fitted) or no kick-off (screw removed).

### 11. Faceplate

Stainless steel faceplate supplied in square end (standard) and optional round end.



# Synergy 3572 Vestibule Lock



## Synergy 3572 Vestibule Lock

Part Number	3572	4572	5572
Dimension A	60	89	127
Dimension B	84	113	151

# Synergy Series Function Matrix

## Function Matrix

Sample part number 4582XTRSC is made up of six sections. The description for this part number is a vestibule set with external cylinder, internal turnknob for right hand door and satin chrome brushed finish. Choose your product by selecting an option from each section.

Backset	Door Material	Function	Sub Function	Handing	Finish
3	58	2	XT	R	SC

Backset	Functions	Handing
23mm 3	Vestibule Lock 2	Right Handed R
25.4mm 4	Combination Lock 4	Left Handed L
30mm 5		
38mm 6		

Door Material	Sub Functions	Finish
Metal 58	eg. Outside X Inside T	Chrome Plate CP
Timber 59	Locking Cylinder with W Cam W	Satin Chrome Brushed SC
	Latching Cylinder with X Cam X	Polished Brass PB
	Locking Cylinder with Y Cam Y	
	Locking Cylinder with Z Cam Z	
	Emergency Button E	
	Turnbutton Adaptor T	
	Anti-lockout A	

## Code

- Backset:** Nominate backset as required, eg. 3 = 23mm backset.
- Door Material:** Select function, eg. 58 = metal door.
- Function:** Select function, eg. 2 = vestibule lock.
- Sub Function:** Determine sub function for both exterior and interior, eg: Exterior – X = latching cylinder, Interior – T = turnbutton adaptor.
- Handing:** If applicable refer to door handing chart to determine left or right handing, eg. R.
- Finish:** Select appropriate finish, eg. SC. Other finishes available on application.

