



ASTRA ARCHITECTURAL HARDWARE

Astra Architectural Hardware
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Stainless Steel Mortise Locks



The Astra S-Series of Stainless Steel Commercial Mortise Locks has been designed and engineered to meet the most exacting of architectural requirements.

These include conformation to all the relevant Australian Standards and the receipt of a full 4-hour fire rating - a unique achievement for an Australian mortise lock in its standard format.

Combine these benefits with its high security and low maintenance, and it's easy to see why the Astra S-Series is a preferred choice for all types of commercial applications in Australia and over seas.

Durability & Security Built to a Standard

The total range of the Astra S-Series Stainless Steel Mortise Locks has been engineered to conform to Australian Standard AS4145.2 1993, Level D3 Durability and Level 2 Physical Security. Level S3 Physical Security is available as an optional extra and, if required, should be requested at the time of ordering.

4-Hour Fire Rating

The Astra S-Series was tested by the CSIRO and received a full 4-hour fire rating when installed with a recommended fire security door. The relevant Australian Standard AS1905 part 1, Fire Resistant Doorsets.

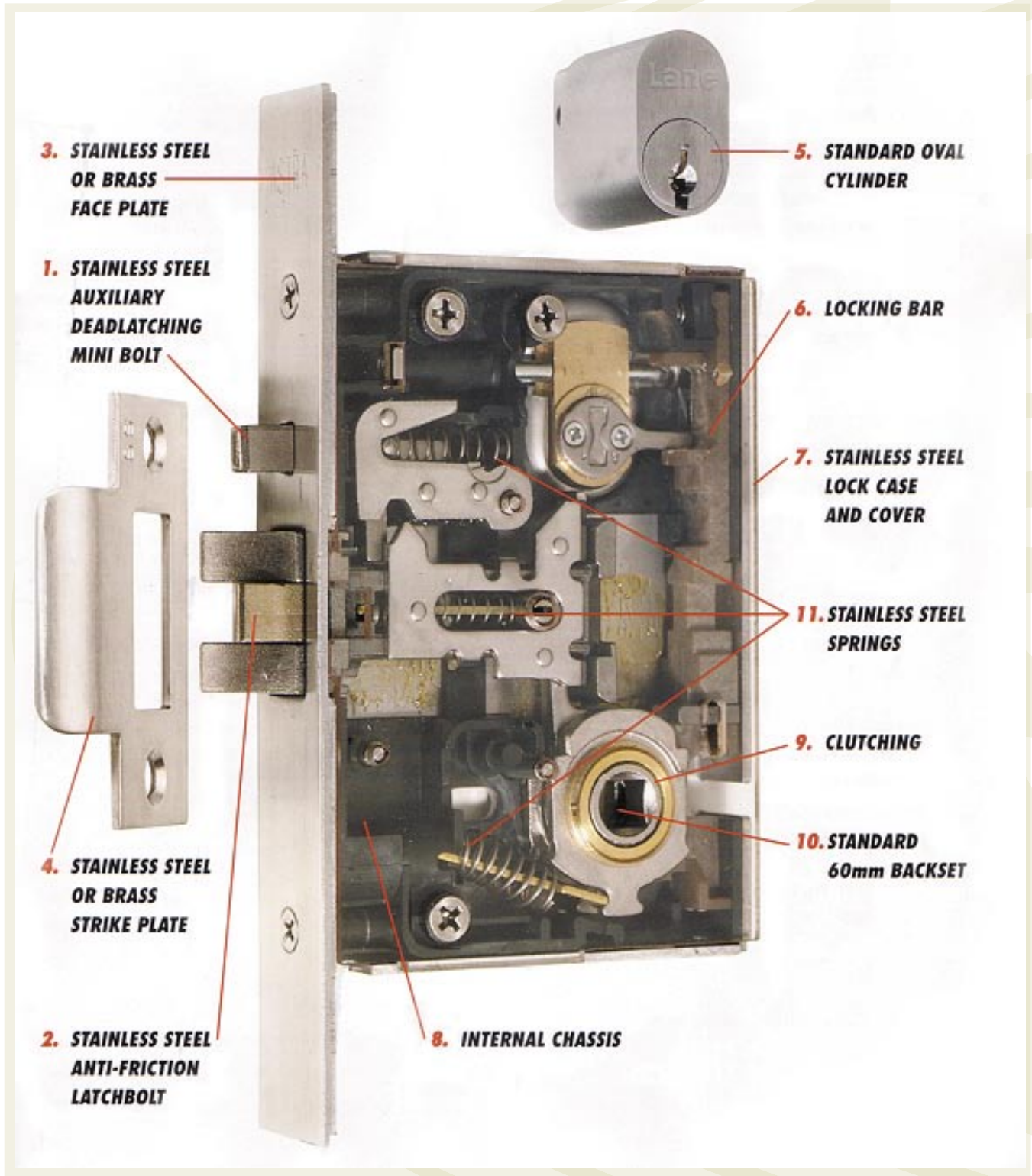
Versatile Design

Different locks within the Astra S-Series have different functions, as governed by the type of position and various components within the lock case. These components can easily be interchanged or repositioned at any time to suit modified requirements, subsequent to the initial purchase or installation.





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The Various Functions Within The S-Series Range

S130 Series Nightlatches

- Non-deadlatching.
- Latchbolt retraction by cylinders or turnsnibs.
- Latchbolt holdback by turnsnib.

S131 Series Deadlock Nightlatches

- Internal deadlocking.
- Latchbolt retraction by cylinders or turnsnibs.
- Latchbolt holdback by turnsnib.

S133 Series Deadlatching Nightlatches

- Mini bolt deadlatching.
- Latchbolt retraction by cylinders or turnsnibs.

S230 Series Deadlocks

- Deadbolt retraction by cylinders or turnsnibs.

S231 Series Automatic Deadlocks

- Automatic locking when door closes.
- Deadbolt retraction by cylinders and turnsnibs.
- Inside lever/knob furniture retracts deadbolt (S231EF).

S330 Series Combination Locks

- Internal deadlocking.
- Latchbolt retraction by internal or external lever/knob furniture except when locked by cylinders or turnsnibs.

S332 Series Freebolt Combination Locks

- Non-deadlatching.
- Latchbolt retraction by internal or external lever/knob furniture except when locked by cylinders or turnsnibs.

S333 Series Freebolt Combination Locks

- Mini bolt deadlatching.
- Latchbolt retraction by internal or external lever/knob furniture except when locked by cylinders or turnsnibs.

S430 Series Vestibule Locks

- Non-deadlatching.
- Latchbolt retraction by internal or external lever/knob furniture except when external lever/knob furniture is locked by internal cylinders or turnsnibs.
- Internal lever/knob furniture is always free.
- Latchbolt retraction by external cylinder.

S431 Series Vestibule Locks

- Mini bolt deadlatching.
- Latchbolt retraction by internal or external lever/knob furniture except when external lever/knob furniture is locked by internal cylinders or turnsnibs.
- Internal lever/knob furniture is always free.
- Latchbolt retraction by external cylinder.

S432 Series Vestibule Locks

- Non-deadlatching.
- Latchbolt retraction by internal or external lever/knob furniture except when external lever/knob furniture is locked by cylinders or turnsnibs.
- Internal lever/knob furniture is always free.

S433 Series Vestibule Locks

- Mini bolt deadlatching.
- Latchbolt retraction by internal or external lever/knob furniture except when external lever/knob furniture is locked by cylinders or turnsnibs.
- Internal lever/knob furniture is always free.

S434 Series Storeroom Vestibule Locks

- Non-deadlatching.
- Latchbolt retraction by internal lever/knob furniture and external cylinder.
- Internal lever/knob furniture is always free.
- External lever/knob furniture is always rigid.

S435 Series Storeroom Vestibule Locks

- Mini bolt deadlatching.
- Latchbolt retraction by internal lever/knob furniture and external cylinder.
- Internal lever/knob furniture is always free.
- External lever/knob furniture is always rigid.

S436 Series Glass Door Vestibule Locks

- Non-deadlatching.
- Latchbolt retraction by internal or external lever/knob furniture except when locked by internal cylinder.
- External cylinder retracts latchbolt at all times.

S437 Series Glass Door Vestibule Locks

- Mini bolt deadlatching.
- Latchbolt retraction by internal or external lever/knob furniture except when locked by internal cylinder.
- External cylinder retracts latchbolt at all times.

S438 Series Kick Off Vestibule Locks

- Non-deadlatching.
- Latchbolt retraction by internal or external lever/knob furniture except when external lever/knob is locked by internal cylinder or turnsnib.
- Internal lever/knob furniture is always free.
- Operation of internal lever/knob furniture unlocks external lever/knob furniture (anti-lockout).
- External cylinder retracts latchbolt at all times.

S439 Series Kick Off Vestibule Locks

- Mini bolt deadlatching.
- Latchbolt retraction by internal or external lever/knob furniture except when external lever/knob is locked by internal cylinder or turnsnib.
- Internal lever/knob furniture is always free.
- Operation of internal lever/knob furniture unlocks external lever/knob furniture (anti-lockout).
- External cylinder retracts latchbolt at all times.

S530 Series Sliding Door Deadlocks

- Deadbolt retraction by turnsnibs and cylinders.

S530 Series Automatic Sliding Door Deadlocks

- Automatic locking when door closes.
- Deadbolt retraction by turnsnibs and cylinders.
- Inside lever/knob furniture retracts deadbolt (S531EF).

S630 Series Privacy Bathroom Locks

- Internal deadlocking.
- Latchbolt retraction by internal or external lever/knob furniture except when locked by internal turnsnib.

S633 Series Kick Off Privacy Bathroom Locks

- Internal deadlocking.
- Latchbolt retraction by internal or external lever/knob furniture except when locked by internal turnsnib.
- Operation of internal lever/knob furniture unlocks external lever/knob furniture (anti-lockout).

S639 Series Kick Off Privacy Bathroom Locks

- Mini bolt deadlatching.
- Latchbolt retraction by internal or external lever/knob furniture except when locked by internal turnsnib.
- Operation of internal lever/knob furniture unlocks external lever/knob furniture (anti-lockout).

S730 Series Passage Latches

- Non-deadlatching.
- Latchbolt retraction by internal or external lever/knob furniture.

S735 Series Exit Door Latches

- Mini bolt deadlatching.
- Latchbolt retraction by internal lever/knob furniture.
- External lever/knob furniture is always rigid.
- Internal lever/knob furniture is always free.

S830 Series Escape Locks

- Non-deadlatching.
- Latchbolt retraction by internal lever/knob furniture and external cylinder.
- Internal lever/knob furniture is always free.
- No external lever/knob furniture.

S831 Series Escape Locks

- Mini bolt deadlatching.
- Latchbolt retraction by internal lever/knob furniture and external cylinder.
- Internal lever/knob furniture is always free.
- No external lever/knob furniture.



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Benefits You Can Count On

- 1.** The **auxiliary deadlatching bolt** is investment cast from stainless steel and retracts with the main anti-friction latch bolt. When the door is in the closed position and the main latchbolt is extended in the strike plate, the auxiliary deadlatching bolt remains retracted and automatically activates the deadlatching function. This prevents the manipulation of the main latchbolt against end pressure. It is also available as an option in "Super-Hard" material to resist sawing.
- 2.** The **full anti-friction 14mm latchbolt** is manufactured from investment cast Stainless Steel Grade 304 and the anti-friction cam is investment cast from silicon bronze to provide a self lubricating surface. Two hardened steel roller pins are enclosed to resist sawing.
Deadbolts with a bolt throw of 19mm are manufactured from investment cast Stainless Steel Grade 304. Two hardened steel roller pins are included to resist sawing.
- 3.** The **face plate** is manufactured from 2mm thick Stainless Steel Grade 304 and satin finished. Brass material face plates are supplied for both plated and brass finishes.
- 4.** Latching locks are supplied with an **Australian Standard universal strike plate**. It is manufactured from 2mm thick Stainless Steel Grade 304, satin finished and is suitable for up to 4-hour fire rated door assemblies. Brass material strike plates are supplied for plated and brass finishes.
- 5.** The S-Series Stainless Steel Mortise Lock Range has been designed to use the **Australian Standard oval cylinder** configuration with universal fixing. Special keying can be included and existing systems can be extended or updated.
- 6.** The **locking bar** is manufactured from Ultern 2300, a 30% glass reinforced resin, for extreme toughness and rigidity.
- 7.** The **lock case** is engineered from 2mm thick Stainless Steel Grade 304, with an integral mounting plate for optimum strength. A smooth protrusion-free exterior allows the lock to be fitted into a narrower mortise to maintain maximum door strength after mortising. The case is designed to allow cylinders and turnsnibs to be fitted at a later date without alterations, and has been specially slotted for concealed fixing through the door to accommodate knob or lever on rose furniture.
- 8.** The **internal chassis** is manufactured from silicon modified Celon MC90HM (Acetal) material to provide life long lubricated surfaces.
- 9.** When locked **clutching** disengages the appropriate handles/knobs and hub assembly from the latchbolt assembly. The handles/knobs do not retract the latch bolt and no strain can be placed on the connecting spindle or lock mechanism.
Unlocking engages the appropriate handles/knobs and hub assembly, and allows the latchbolt to be retracted by the handles/knobs.
- 10.** The **standard backset** is 60mm.
- 11.** All **springs** are manufactured from Stainless Steel Spring Wire Grade 302..