



Global Architectural Openings Solutions

**Fire Rated
European Mortise
Locks**

170 Series



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170 Series European Mortise Locks:

GAOS locks provide an exceptional level of quality and functional reliability. Utilizing high-grade materials, precise manufacturing techniques, and a comprehensive quality management system.

The locks meet stringent technical specifications. Furthermore, those that comply with DIN and EN standards provide unparalleled ease of use and security features. They are also serving a wide range of applications.

Main Features:

- Lock case size DIN 18251-1
- Grade 2–EN 12209
- Closed case, zinc plated,
- latch and deadbolt stainless steel
- Reversible latch without tools
- Forend satin stainless steel
- Forend width 20 or 24mm
- Forend round or square
- AISI 304
- Optinal (additional a): with square strikeplate, strikebox and screws
- CE certified.

Lock Type	Sash Lock	Bathroom	Deadlock	Latch Bolt	Night Latch	Roller Latch	Escape Lock	Automatic Deadbolt
Features	170	171	172	173	174	175	176	190
Follower 8mm steel blade	*	*	*	*	*	*	*	*
Centre Distance 72mm	*		*	*	*	*	*	*
Centre Distance 85mm								
Centre Distance 78mm		*						
For Europrofile Cylinders	*		*	*	*	*	*	*
WC		*						
Bolt Projection (mm)	20	10	20	-	20	20	10	20
Fire rated Door	*	*	*	*	*		*	*
Backset	55-60	55-60	55-60	55-60	55-60		60	60
Night Latch					*			
Automatic Deadbolt								*
Escape Exit Lock							*	*

170 Sash Lock:

- **Fire test (EN1634-1)**
- Intertek: 90mins on timber door
 - 240mins on steel door
- Warrington: 30/60/90/120mins on timber door
 - 240mins on steel door



Fire mortise lock with CE.

Suitable for timber fire doors & steel fire doors.



171 Bathroom Lock:

- Grade 3, according to European standard EN12209/DIN18251
- Reversible latch suitable for DIN left and DIN right doors
- 6078-78mm center distance ,60mm backset
- Fire rated 240mins on steel door; 90mins on timber door
- Passed 200,000 test cycles (Latch); 50000 test cycles (Deadbolt)
- Corrosion resistance 240 hours
- Double Throw (1 Turn) deadbolt
- Stainless steel 304 material



172 Dead Lock:

- Grade 3, according to European standard EN12209/DIN18251
- Reversible latch suitable for DIN left and DIN right doors
- 72mm center distance ,55 &60 mm backset
- Fire rated 240mins on steel door; 90mins on timber door
- Passed 200,000 test cycles (Latch); 50000 test cycles (Deadbolt)
- Corrosion resistance 240 hours
- Double Throw (2 Turns) deadbolt
- Stainless steel 304 material of deadbolt, follower, forend, strike plate, screws



173 Latch Bolt:

- Grade 3, according to European standard
- EN12209/DIN18251
- Reversible latch suitable for DIN left and DIN right doors
- 72mm center distance ,55 & 60 mm backset
- Fire rated 240mins on steel door; 90mins on timber door
- Passed 200,000 test cycles
- Corrosion resistance 240 hours
- Stainless steel 304 material



174 Night Latch:

Night latch mortise lock operation: on the inside, the door can be opened by lever handle or knob; on the outside, the door can be opened by key only. This mortise door lock is mortised in the door and have a safety latch that automatically locks the latch bolt when the door is closed.

- Grade 3, according to European standard EN12209/DIN18251
- Reversible latch suitable for DIN left and DIN right doors
- 72mm center distance ,60mm backset
- Fire rated 240mins on steel door ; 90mins on timber door
- Passed 200,000 test cycles (Latch)
- Corrosion resistance 240 hours
- Stainless steel 304 material



175 Roller Latch:

- Grade 3, according to European standard EN12209/DIN18251
- □ 6072-72mm center distance ,60mm backset
- □ Fire rated 240mins on steel door ; 90mins on timber door
- □ Passed 50000 test cycles (Deadbolt)
- □ Corrosion resistance 240 hours
- □ Double Throw (2 Turns) deadbolt
- □ Stainless steel 304 material



176 Escape Lock:

Escape Mortise Lock Function

From the inside :

- When the door is locked, latch and deadbolt can be retracted at the same time by manipulating the handle.
- Locking the door can be achieved using either the cylinder key or thumbturn.

From the outside :

- If the door is unlocked, the latch can be retracted by operating the handle.
- In case of a locked door, the deadbolt can be opened using the cylinder key or thumbturn.



Advantages of our Emergency Escape Lock

- CE certified and compliant with EN179 and EN12209 standards, as well as meeting the fire resistance requirements of EN1634-1 standard.
- Ensures safe, efficient, and convenient emergency evacuation. Enables quick access during emergencies, saving valuable rescue time.
- The reversible latch can be used in both left-handed and right-handed doors without the need of changing the direction.
- The 20mm throw deadbolt offers easy and swift operation.
- Endurance tested for 200,000 cycles, ensuring durability and long-lasting performance.
- Crafted with high-quality 304 stainless steel for superior strength and corrosion resistance.
- Compatible with standard accessories such as lever handles and profile cylinders.