

PaxLock Pro2 Euro – Lockset Requirements

Minimum Lockset Specifications

To ensure compatibility with the PaxLock Pro2, the lockset must meet the following:

- **Certification:** DIN 18251-1 (Euro)
- **Backset:** ≥ 55 mm
- **Centres (handle to cylinder distance):**
 - European locksets with key override: ≥ 70 mm (72 mm typical)
 - Scandinavian locksets with key override: ≥ 105 mm
- **Handle rotation:** $\leq 45^\circ$
- **Follower size:** 8 mm (7 mm supported in France)
- **Door alignment:** Must be correctly aligned (horizontal and vertical)
- **Door gap:** ≤ 3 mm
- **Door keep:** ≤ 15 mm

Installation Requirements

The lockset must be:

- Horizontally aligned
- Vertically aligned with the door
- The door must be prepared in accordance with the supplied installation template

Lockset Recommendations

The lock should provide:

- Smooth follower operation
- Free handle movement when unlocked (PaxLock controlled)
- Use of a new lockset is strongly recommended for optimal reliability
- Key override is recommended (though not mandatory) to allow access in case of failure where no alternative entry exists

If reusing an existing lockset:

- It must meet all dimensional and operational requirements listed above

Additional notes:

Locking hardware is not included with PaxLock Pro

- Recommended usage:
 - Up to ~75 operations per day
 - For higher usage, consider a wired solution

Emergency & Compliance Requirements

Escape doors

- An EN179 door kit must be used to ensure compliance

Fire doors

- The selected lockset must support the required fire rating (FD30 / FD60 as applicable)

Avoid

- Non-DIN locksets or tubular latches without confirmed compatibility
- Unsupported centres (a common retrofit issue)
- Handle rotation exceeding 45°
- Poor door alignment leading to binding
- Missing EN179 kit on escape routes

Risks of Non-Compatible Locksets

Use of incompatible or poorly functioning locksets may result in:

- Unreliable locking/unlocking performance
- Increased battery consumption
- Mechanical strain and premature product wear
- Noise, poor handle feel, or inconsistent operation
- Failure to meet safety or compliance requirements