Atelier Boonen - Mechanical code lock



Additional information

The mechanical combination lock is one of the most reliable solutions for securing safes and fire-resistant cabinets. Entering and changing the code takes slightly more time than with an electronic lock, but this is offset by unmatched mechanical reliability. Since no key is required, there is no risk of key loss or duplication. The safe is opened with a unique numerical combination, ensuring a high level of protection.

Mechanical combination locks are tested and certified to EN 1300 (Class A, B or C), the European standard for high-security safe locks. The combination is adjustable and consists of 3 or 4 double digits (6 or 8 digits), providing between 1,000,000 and 100,000,000 theoretical possibilities.

From Class B onwards, these locks are equipped with manipulation protection. They also include an integrated blocking mechanism that prevents operation if the spindle or dial is forced. Different dial types are available, including the “spy proof” dial, which prevents unauthorized observation of the code. Mechanical combination locks can be installed on virtually all safes and fire-resistant cabinets.

See also our other mechanical safe locks, supplied and installed by our own team in Belgium.

- Certification: EN 1300 A/B/C
- Unique adjustable code of 3 or 4 double digits (6 or 8 digits)
- 1,000,000 to 100,000,000 theoretical combinations
- From Class B: manipulation protection
- Integrated blocking mechanism against spindle or dial punching

- Choice of dials, incl. “spy proof” (protection against visual spying)
- Suitable for most safes and fire-resistant cabinets

Opening a standard mechanical combination lock with 3 double digits

The opening mark is the vertical line at the top of the dial, at the 12 o'clock position.

Count each time a number passes the mark. Only on the final pass should the number stop exactly on the mark. Never turn back to correct.

1. Turn the dial to the left. Let the first number pass the mark three times and stop the fourth time, with the number exactly on the mark.
2. Turn the dial to the right. Let the second number pass the mark twice and stop the third time, with the number exactly on the mark.
3. Turn the dial to the left. Let the third number pass the mark once and stop the second time, with the number exactly on the mark.
4. Slowly turn the dial to the right until it stops (no more than one full turn): the combination is correct and the lock is released. If the dial keeps turning freely, the combination is incorrect — start again from step 1.
5. Operate the handle or turn the key (depending on the type of safe) and open the door.

Tip: turn slowly and precisely; you may pause as often as needed. If you go past a number, start the procedure again.

Field of use:

This safe lock is certified according to EN 1300 Class A, B or C and is suitable for installation on safes and vault doors up to Eurograde XIII according to EN 1143-1.
More information about burglary-resistant safes – classes and test methods.