



## STEP 535™

### – powerfull motor lock for narrow profile

STEP 535 is a motor lock with a hook bolt for door environments with high-security requirements. The lock is adapted for narrow profile with 35 mm back set. It is designed for high-frequency door environments.

STEP 535 is one of the most secure motor locks on the market. The lock case is made of stainless steel and has a modern bolt placement with the hook bolt located in the center of the lock case. Certified for the highest burglary protection, class 5, according to SSF 3522, as well as Grade 7 according to EN 14846:2008.

#### **Evacuation and re-entry and fire safety requirements**

STEP 535 also serves as an evacuation lock in SSF 3522 class 2B when used with STEP Exit emergency exit devices. Certified according to EN 179:2008.

Certified in fire resistance class E/EI120 according to EN 14846:2008 in combination with a latch lock.

#### **Control unit with many smart features**

The control unit ST500C uses encrypted communication AES-128 for locking, unlocking and status indications. It can handle up to two motor locks. These can be controlled individually or synchronized for connection to access control systems, alarms and central function.

#### **With FreeDrive® and manipulation protected block function**

STEP 535 is equipped with FreeDrive®, a technology that enables the locks motor and gearbox to disengages every time the door unlocks mechanically.

The lock also has a double blocking, where the blocking of the hook bolt also is blocked by a latch.

#### **Choose width of the forend plate**

STEP 535 is available with a 22 mm (ST535) or 25 mm (ST535-25) wide forend plate. Both are certified in class 5 according to SSF 3522.

*When it has to work.*

FreeDrive®

# STEP 535

# Technical data

## Functional description

- The hook bolt locks/unlocks electrically via opening signal from access control system, code lock, push button or similar.
- The hook bolt locks/unlocks mechanically via the cylinder follower.

## Certificates

- Certified in Class 5 according to SSF 3522.
- Certified in Grade 7 according to EN 14846.
- Certified in Grade L for corrosion, temperatures and humidity, which corresponds to high requirements according to EN 14846.
- Certified in fire technical class E/EI120 according to EN 14846:2008 in combination with a latch lock.
- Certified for evacuation according to EN 179:2008.





## Product characteristics

- Unlocks in less than 0.1 second.
- Modern bolt placement.
- 54 kN (5 400 kg) breaking strength.
- Panic lock function.
- Lock case in stainless steel.
- FreeDrive® technology.
- Manipulation-protected block function.
- Back set 35 mm.
- Choose between 22 mm (ST535) or 25 mm (ST535-25) wide forend plate.
- Encrypted communication AES-128.
- Power consumption: 32 mA at rest, max 255 mA for about 20 ms.
- Guarantees opening even if the door is subjected to pressure of up to 5 kg.
- Connection to the motor lock is via RS-485.
- Prepared for OSDP.
- Evacuation and re-entry are ensured with STEP Exit emergency exit devices.

## Environment

- The control unit can handle temperatures from -5 to +70 degrees.
- The lock can withstand temperatures from -20 to +70 degrees.

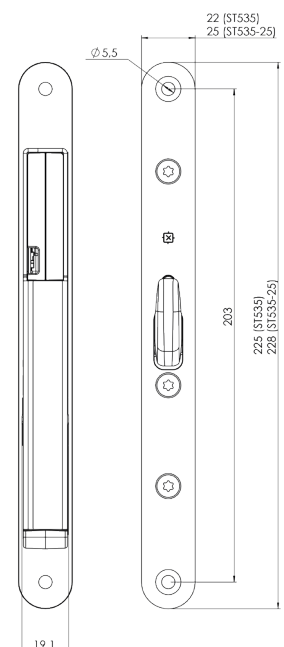
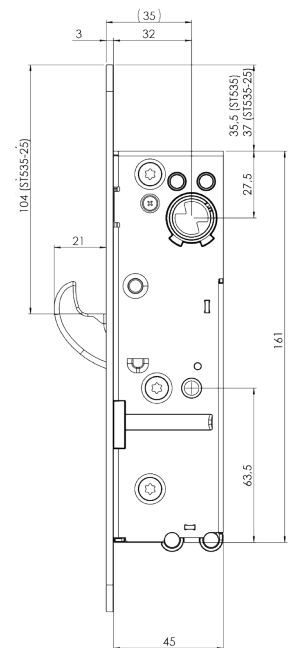
Art.no	Description
ST535	STEP 535 Motor lock. With hook bolt and 22 mm forend plate.
ST535LB	STEP 535 set with motor lock and control unit. Incl. ST535, STEP Control unit ST500C, connection cable with adapter ST0917, drill protection ST1169, skrew and magnet set ST1192.
ST535KPL	STEP 535 complete set. Incl. ST535, STEP Control unit ST500C, STEP Lead cover ST1283, 10 m connection cable ST0916, mechanical strike plate ST9011-6, connection cable with adapter ST0917, drill protection ST1169, skrew and magnet set ST1192.
ST535-25	STEP 535 Motor lock. With hook bolt and 25 mm forend plate.
ST535-25LB	STEP 535 set with motor lock and control unit. Incl. ST535-25, STEP Control unit ST500C, connection cable with adapter ST0917, drill protection ST1169, skrew and magnet set ST1192.
ST535-25KPL	STEP 535 complete set. Incl. ST535-25, STEP Control unit ST500C, STEP Lead cover ST1283, 10 m connection cable ST0916, mechanical strike plate ST9011-6, connection cable with adapter ST0917, drill protection ST1169, skrew and magnet set ST1192.

			
Fire approved: E/EI 120 in comb. with a latch lock	Certified acc. to EN 179:2008	Factory tested: 1 700 000 cycles	Security: Grade 7 EN 14846 Class 5 SSF 3522

## Combine with STEP Exit to maximize the benefits of FreeDrive®

Combine STEP 535 with STEP Exit emergency exit devices to create a secure evacuation route. Certified according to EN 179:2008.

The FreeDrive® technology disconnects the motor and gearbox, meaning that they are never affected when the exit device's lever is used. As a result, the impact on the motor and gearbox is minimized, even if the exit device is used thousands of times each day.



Dimensional drawing for STEP 535.



Choose from several different STEP Exit emergency devices in our Exit guide on [steplock.com](http://steplock.com)