



Motor lock STEP 550

FreeDrive®

STEP 550 is a powerful and fast motor lock for door environments with high demands on safety

The technical advanced hook bolt is extremely strong, fast and withstands great stresses. The lock case is made of stainless steel and has a modern bolt placement with the hook bolt and latch bolt located in the center of the lock case.

STEP 550 is adapted for use in door environments with the absolutely toughest intrusion protection requirements. Certified in Class 5 according to SSF 3522, and in Grade 7 according to SS-EN 14846.

Manipulation protected block function

A patent-pending block function automatically block the hook bolt when locked. At the same time, an indication locates the blocks position so you can trust that it really is locked. The block function is completely protected from access and thus ensures protection from manipulation.

Control unit with many smart features

The control unit 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 essential function. The control unit handles re-entry and day locking.

Adapted for door environments with fire requirements

STEP 550 is equipped with latch bolt and is suitable for door environments with fire requirements. CE marked according to EN 14846:2008 in fire resistance class E/EI120.

With unique FreeDrive® technology

The FreeDrive® technology disengages the motor in both locked and unlocked positions, allowing the lock to be independently used electrically and mechanically.

When it has to work.

STEP 550

Technical data

Art.nr	Benämning
ST550	STEP 550 Motor lock. With modern bolt placement and latch lock. 50 mm back set.
ST550 KPL	STEP 550 complete set. Incl. ST550, STEP Control unit, STEP Lead cover, 10 m halogen-free cable, mechanical strike plate, skrew and magnet set.
ST550 LB	STEP 550 Lock and Control unit set. Incl. ST550, STEP Control unit, 20 cm cable and skrew set.
ST551	STEP 551 Motor lock. With modern bolt placement. 50 mm back set.
ST551 KPL	STEP 551 complete set. Incl. ST551, STEP Control unit, STEP Lead cover, 10 m halogen-free cable, mechanical strike plate, skrew and magnet set.
ST551 LB	STEP 551 Lock and Control unit set. Incl. ST551, STEP Control unit, 20 cm cable and skrew set.

Certificate

- Certified in class 5 per SSF 3522.
- Certified in Grade 7 per SS-EN 14846.
- Certified in Grade L for corrosion, temperatures and humidity, which corresponds to high requirements according to SS-EN 14846.
- Certified for fire rated doors in Grade F (120 min) per SS-EN 14846: 2008.

Product characteristics

- Unlocks in less than 0.1 second.
- Modern bolt placement.
- The control unit handles day locking.
- Durable material choices with lock case in stainless steel.
- FreeDrive® technology.
- Manipulation-protected barrier technology.
- Back set 50 mm.
- 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 together with STEP Exit emergency exit devices adapted for motor locks. Certified according to SS-EN 179: 2008.

Environment

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

Outstanding use in emergency situations





STEP Exit emergency device

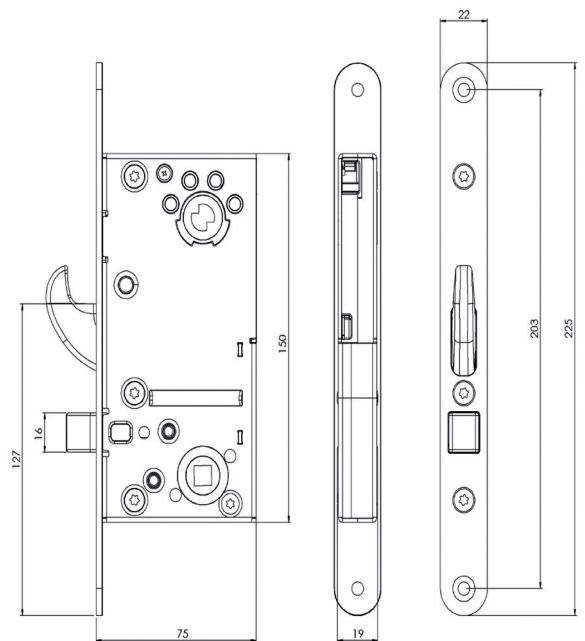
STEP 550 in combination with STEP Exit emergency devices gives you the opportunity to create a safer evacuation exit with unmatched user-friendliness because the pressure is used in exactly the same way as in a normal passage.

FreeDrive® technology gives the products unmatched longevity

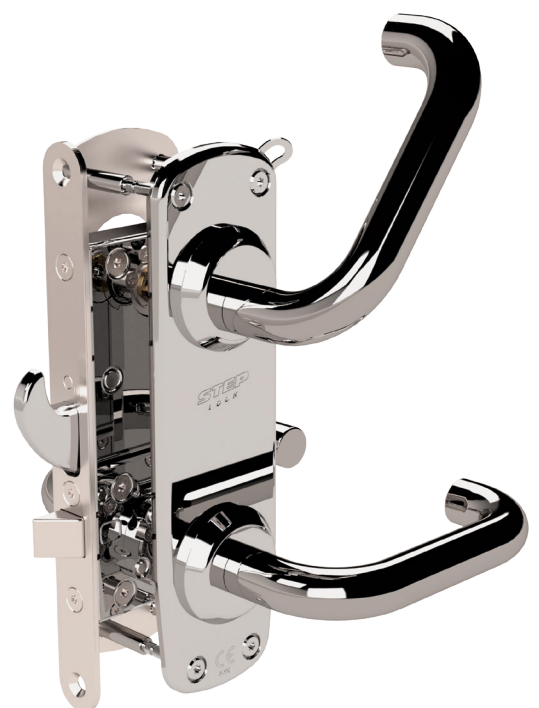
STEP 550 is equipped with FreeDrive®. The unique technology disengages the motor and gearbox, which means that they are never affected when the the evacuation device handle is used. This eliminates the wear of the motor and gearbox completely

– even though the handle may be used thousands of times every day.

			
Fire approved: E/EI 120	Certified according to: SS-EN 179:2008	Factory tested: 1 700 000 cykler	Security: Grade 7 SS-EN 14846 Class 5 SSF 3522



Dimensional drawing STEP 550.



STEP 550 with STEP Exit ST17920-R-2.