

# Product catalouge

2020/2021 Edition 1

StepLock is the market leader in electromechanical locking. All our products are developed and produced in Sweden. Our assortment contains electric strikes, solenoid handle locks and other types of electromechanical locks that increase the reliability in all types of door environments.



# Product catalogue

Stendals EI AB develops and produces the Scandinavian market's widest assortment of electric strikes and other lock products under the STEP brand. This is our product catalogue with our product assortment, solution proposals as well as our various guides.

The product catalogue is available both in print and in digital form at our website and there is also a separate price list. Certificates, dimensions and product data are also available at our website for download.

We reserve the right to make changes to products and prices without providing advance notice, and we are not responsible for any typographical errors.

Remember, you are always welcome to contact us if you have any questions or need help. We are happy to help you find the right solution for your particular door environment!

## **Terms of delivery**

Delivery of our products is in compliance with the General Terms of Delivery NL 17 and Technical Terms of Delivery – Locks and Fittings NTLB 11.

## **Returns**

If an item needs to be returned, contact one of our sales representatives. The return fee is 20 %.

***When it has to work.***



# You are always welcome to contact us!

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Head office in Västerås

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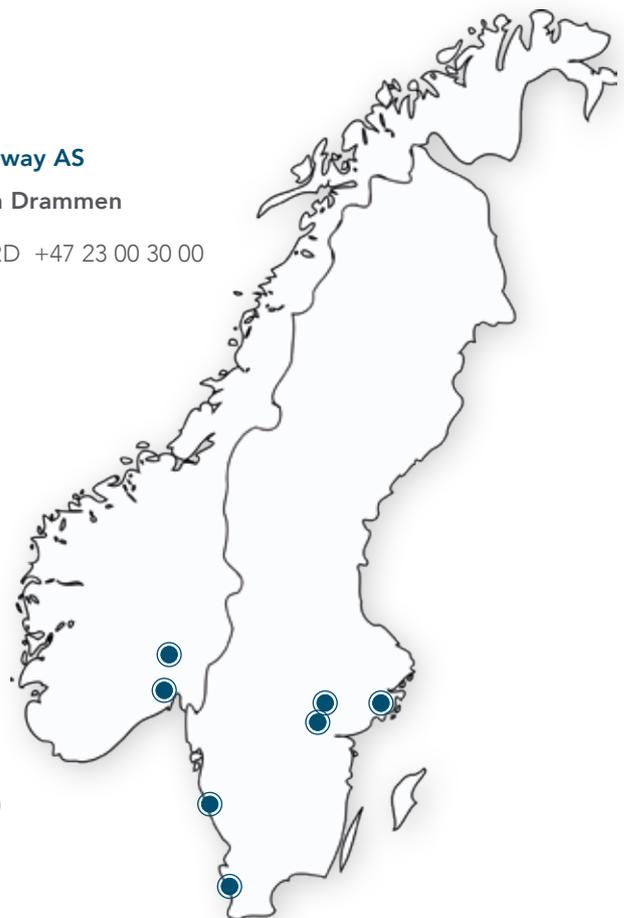
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## We develop and produce STEP electromechanical locks

Stendals EI AB produces electric strikes and other lock products under the STEP brand. Main office with production facility located under the same roof in Västerås, giving us maximum product knowledge. Here we ensure high quality and reliability in every product.

Jan Stendal founded the company Stendals EI AB in 1974 after discerning a need to improve safety in the Swedish mining industry. The doors between the various galleries and the lift shaft were completely unlocked or only secured with a simple hasp, and this meant that there was a risk of the miners falling in the dark down the mine's lift shaft.

The solution was an electrically controlled lock which ensured that the door was automatically locked whenever the lift was not at the gallery's opening. This was the company's first electric lock, STEP 1.

**Quality and safety first and foremost**  
Several more locks were developed and the sturdy locks quickly gained

in popularity. Many mines both in Sweden and abroad were commissioned and automated with technology from Stendals EI. At the same time, the foundation was laid for the values that characterise the company today: quality and safety. Factors that are potentially a matter of life and death in a mine.

**Market-leader within electric strikes**  
Today, the focus has shifted from a small niche comprising locks for the mining sector to becoming the market-leader in Scandinavia in electric strikes, with solutions for all kinds of door environments.

In addition to electric strikes, the product range also includes solenoid handle locks, automatic flushbolts,

electric cabinet locks, break protection and electric locks for overhead doors. All products utilise in-house designs that are protected by a number of patents.

### **When it has to work**

With STEP's products, you can rely on the entire process being quality assured and on all documentation being in order. All our products are certified and many are quality labelled with the voluntary P mark.

Safety and quality can be of decisive importance and something we never compromise on. Since the start in the Swedish mining industry and through the years since, everything we do has always been with our slogan "when it has to work" in mind.



Product assembly requires the right expertise and conditions.



Design and installation under one roof. Plenty of space for storage and distribution.

# The market's broadest assortment

STEP has the Scandinavian market's broadest assortment of electric strikes. All products are characterised by sturdy constructions, excellent material choices and long service life. We produce lock products that can handle years of heavy duty use. With STEP you can rely on both products and service maintaining the highest standards.

## World-class Swedish production

Our products are manufactured by us in Västerås, Sweden. Here we have design and production in the same building, which provides high production control and the capability to fine-tune products early in the process. The result is both world-class products and maximum product knowledge that enables us to provide support beyond the norm.

## Easily accessible information

With STEP you can rest assured that the entire process is quality assured. In this catalogue and on our website, we have gathered all the documentation you may conceivably need, including certificates, markings, installation instructions and technical specifications.

All electric strikes are in full compliance with the applicable standard EN 14846. After testing at RISE (formerly SP), the products are certified and many of them are labelled with the optional P-mark. Many of the products have also been evaluated in various kinds of environmental systems, such as Byggvarubedömningen and SundaHus. This makes it easier for you to compare different products and thus make better product choices.

## We place demands on our products

Our products can satisfy all kinds of stipulations and requirements: fire safety requirements, intrusion protection requirements, accessibility requirements and requirements regarding evacuation and re-entry. We place the most stringent demands on ourselves to achieve the highest levels of quality and operational reliability at all times.

Some door environments require more than others. Thanks to our product development, we can also offer complex combination solutions, such as evacuation and re-entry with fire safety and accessibility in the same door environment.

## Wide spectrum of reference objects

With the Scandinavian market's most extensive range of electric strikes, our products are installed in everything from shopping centres, hospitals, prisons, banks and other high-risk objects, to schools, offices and apartment blocks. We have solutions for all door environments.

You are always welcome to contact us for help with questions about our products, their properties and different technologies. We have extensive experience of locking in all types of environments.



# Sturdy products last over time

One important factor for our market-leading position in Scandinavia is that we are constantly developing innovative solutions that improve the products' function and extend their service life.

## Patented STEP technology

Our products are based on our own designs and protected by multiple patents.

- **Increased reliability with Preload technology**

When a door is subjected to pressure, it is not uncommon for the lock to begin jamming. This resistance may have many causes, including that the door is a little skew, that snow or gravel have accumulated at the threshold or that the door's automatic features are not correctly synced with the lock.

To prevent this, all of STEP's products are equipped with unique Preload technology. This technical solution means that the lock is reliable and ensures that the door can be unlocked, whatever the cause of the pressure.

- **Reduced noise level with Silent technology**

The products in the Silent series incorporate a special technology that provides the door with both an exclusive feel and gentle, almost noiseless operation. Combined with the Preload technology and a high level of intrusion protection, these are truly high quality locks.

- **DirectDrive® provides a responsive feel with direct operation**

The unique and patented DirectDrive® function provides STEP 110 solenoid handle lock with a direct operation. It also provides a very responsive feel when the door's handle is used. The concept gives a whole new dimension of how a solenoid handle lock can be experienced.

## Long service life – low life cycle cost

By selecting products with a high level of quality, you are contributing to reduced environmental impact, and at the same time, avoiding costly operational stoppages. STEP's products boast great durability and a high level of corrosion protection thanks to their sturdy designs incorporating a high proportion of stainless steel.

We know that our tried and tested technology and excellent choice of materials will provide long-lasting service.

## Delivery reliability you can trust

We are proud of the fact that our deliveries maintain a high level of reliability. You can trust that your order will arrive on time.

# Where to find us



## Main office, Sweden

Our main office is next to the airport, on Hässlö just east of Västerås. Here we have the entire production chain, from design with product testing to assembly, sales and distribution in the same building.

The new, modern production plant was completed in 2016. The new 1400 square metre plant is perfectly suited to our needs in terms of creating efficient flows for production, warehousing and logistics.



## StepLock Norway

In the end of 2018, StepLock Norway AS was established. Head office is located in Drammen, just outside Oslo. Here is plenty of room for sales, support, logistics and education.



## Showroom

There is also a showroom at our main office where we have large parts of our assortment on display. Here you can test how the locks feel when they are mounted in doors and also compare the products with each other.

The showroom is also a natural place for meetings and training. Please come by for a presentation!



## Regional sales offices

We currently have five regional sales offices located in Stockholm, Gothenburg, Eskilstuna, Helsingborg and Trellebor. We work with education and sales at our regional sales offices and provide help with planning and outfitting. With a local presence, you can choose the office closest to your location when you need help.

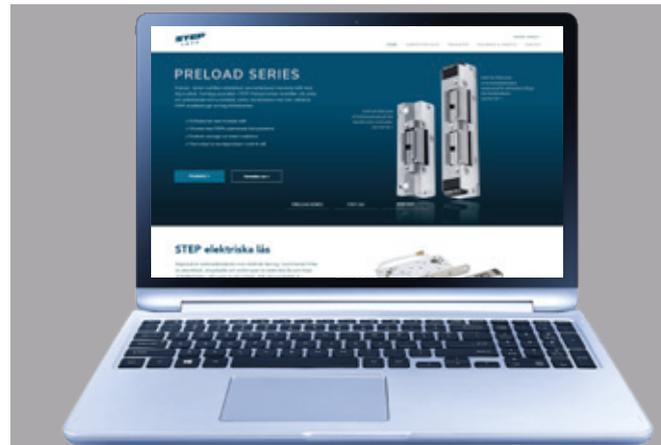
## Distributors

All our products are sold through us or through our skilled dealers, both at several locations in Sweden as well as in several other countries.



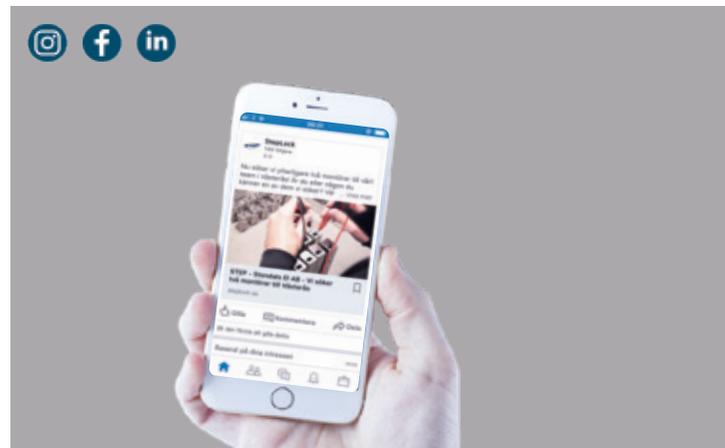
## Website

Our ambition is that our website will give you access to all the information you need to do your job, around the clock. That's why you'll always find the latest updated versions of our guides, a complete faceplate range, certificates and declarations for downloading, and of course, all technical product data. This is also where you will find all our personal contact information.



## Social media

With Facebook, Instagram and LinkedIn, you can quickly get the latest information about our products and our day-to-day operations. Here we publish, among other things, dates for trade fairs and other events, product news and reference items. When it's time to hire, this is where you'll find our classifieds. Please follow us!



## Newsletter

About six times a year, we send out a digital newsletter. We share news and current events that we believe our subscribers are interested in. To subscribe to the newsletter, just fill in your email address on our website.



# Product assortment

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*When it has to work.*



# STEP Electric strikes adapted for Scandinavian standards

STEP electric strikes are divided into four series. Each series contains products with unique properties adapted for various functions and situations. Together they form the Scandinavian market's broadest assortment and provide security and improve reliability in all types of door environments.

The products on the following pages are our full range of electric strikes, suited for the Scandinavian market.

**PRELOAD SERIES   RELEASE SERIES   SILENT SERIES   SECURE SERIES**





***STEP***

**PRELOAD SERIES**

The Preload series includes electric strikes that combine minimal dimensions with high quality and flexibility. STEP Preload is reliable, tested to withstand a high opening frequency and suitable for doors with normal safety requirements.





# STEP 30 Preload™

## – Electric strike with minimal dimensions and Preload technology

STEP 30 Preload is a minimal electric strike designed to replace existing simple electric strikes and create a reliable door environment even with older doors and recesses. Preload technology allows the door to open even if it is subjected to pressure.

### **Proven technology in minimal format**

Preload technology enables smoothly functioning electric locking with door seals. The technology gives the door very high reliability and allows it to retain its sealing properties.

In common with the other products in the series, STEP 30 Preload features smooth action for good door operation.

### **Bring new life to older doors**

STEP 30 Preload can be used as a replacement for existing simple electric strikes. In this way, STEP 30 Preload provides the opportunity to achieve a reliable and well-functioning door environment despite older doors and recesses.

### **Faceplates and lock cases**

There is a wide range of faceplates in stainless steel for STEP 30 Preload. You will find faceplates and other accessories on page 96.

### **Suitable lock cases for the Scandinavian market**

- Single and double latch locks in the Connect series
- Single and double latch locks in the Modular series
- Single and double latch locks in the Narrow profile series



**STEP**  
**30**  
PRELOAD

## Technical data

### Power consumption with fail secure and fail safe functions

24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
110 mAh / max 300 mA	220 mAh / max 600 mA

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

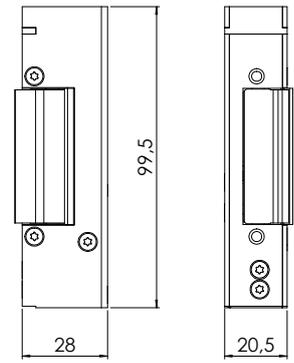
Article number for Scandinavian standards	Designation
ST30	Fail secure function 24 V DC.
ST30-12	Fail secure function 12 V DC.
ST300	Fail secure function 24 V DC, including bolt contact.
ST300-12	Fail secure function 12 V DC, including bolt contact.
ST301	Fail safe function 24 V DC, including bolt contact.
ST301-12	Fail safe function 12 V DC, including bolt contact.
ST305	Adjustable function 24 V DC, including bolt contact.
ST305-12	Adjustable function 12 V DC, including bolt contact.
ST31	Fail safe function 24 V DC.
ST31-12	Fail safe function 12 V DC.
ST35	Adjustable function 24 V DC.
ST35-12	Adjustable function 12 V DC.

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Microswitch unipolar changeover, max. 30 V DC, 1A.
- Built-in protective diode.
- Detection indication that the door is closed/open (applies to the products with bolt contact).
- Break resistance 5 kN (≈ 500 kg).
- Ensures opening despite preload up to 0,4 kN (≈ 40 kg) in fail secure and fail safe function.
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.

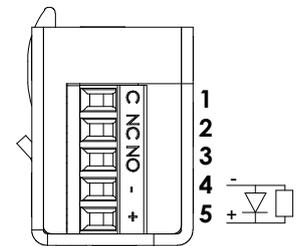
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 30 Preload is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 40 kg.

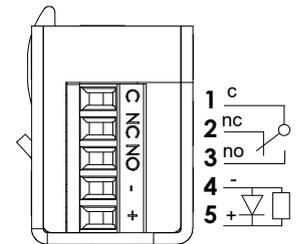
- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 30 Preload.



Wiring diagram without bolt contact. Connections are made with screw terminal blocks.



Wiring diagram with bolt contact. Connections are made with screw terminal blocks.



# STEP 40 Preload™

## – Electric strike with high quality and Preload technology

STEP 40 Preload is a minimal electric strike that sets a high standard and is suitable for day locking. The well-known STEP quality in combination with Preload technology provides a high level of operational reliability.

### **Operational reliability that works in real life**

The Preload series combines minimal dimensions with very high performance for doors with normal security requirements. The electric strike is highly reliable and tested for high opening frequency.

STEP 40 Preload is available in an adjustable configuration so that the electric strike function can be easily selected and changed during installation. This creates greater flexibility and lower handling costs.

### **Aesthetic mount and easy installation**

With its small dimensions, the electric strike fits with little adjustment into the recess for the door's standard strike plate.

### **Faceplates**

There is a wide range of faceplates in stainless steel for STEP 40 Preload.

STEP 40 Preload has the same faceplate assortment as STEP 90, 48, 98 Preload and STEP 90 Release. You will find faceplates and other accessories on page 100.

### **Suitable lock cases for the Scandinavian market**

- Single and double latch locks in the Connect series
- Single and double latch locks in the Modular series
- Single and double latch locks in the Narrow profile series



**STEP**  
**40**  
**PRELOAD**

## Technical data

### Power consumption with fail secure and fail safe functions

24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
110 mAh / max 300 mA	220 mAh / max 600 mA

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

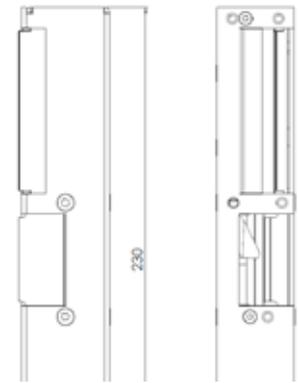
Article number for Scandinavian standards	Designation
ST40	Fail secure function 24 V DC.
ST40-12	Fail secure function 12 V DC.
ST400	Fail secure function 24 V DC, including bolt contact.
ST400-12	Fail secure function 12 V DC, including bolt contact.
ST401	Fail safe function 24 V DC, including bolt contact.
ST401-12	Fail safe function 12 V DC, including bolt contact.
ST405	Adjustable function 24 V DC, including bolt contact.
ST405-12	Adjustable function 12 V DC, including bolt contact.
ST41	Fail safe function 24 V DC.
ST41-12	Fail safe function 12 V DC.
ST45	Adjustable function 24 V DC.
ST45-12	Adjustable function 12 V DC.

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Security electrical manipulation: Grade 1 per EN 14846.
- Microswitch unipolar changeover, max. 30 V DC, 1A.
- Built-in protective diode.
- Detection indication that the door is closed/open (applies to the products with bolt contact).
- Break resistance 9 kN (≈ 900 kg).
- Ensures opening despite preload up to 0,4 kN (≈ 40 kg) in fail secure and fail safe function.
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.
- Screw holes for angled screws at rear edge of electric strike.

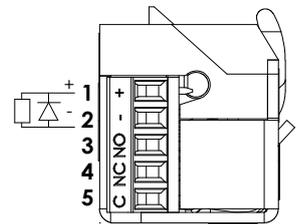
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 40 Preload is equipped with STEP's unique Preload technology that allows the door to be unlocked even if subjected to pressures of up to 40 kg.

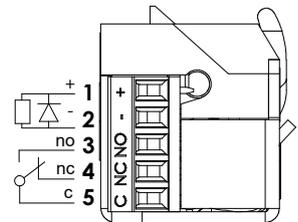
- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 40 Preload.



Wiring diagram without bolt indication. Connections are made with screw terminal blocks.



Wiring diagram with bolt indication. Connections are made with screw terminal blocks.



# STEP 90 Preload™

## – Fire resistant electric strike

STEP 90 Preload is a fire resistance classified electric strike with minimal measurements. It is a small but strong electric strike equipped with STEP's unique Preload technology.

### Reliability with minimal dimensions

STEP 90 Preload provides very high performance and is tested to withstand a high opening frequency. Break protection is rated at 900 kg and installation can be secured with rear-edge screws, in addition to the faceplate. Fire resistance class E/EI 120.

STEP 90 Preload is available in an adjustable configuration so that function can be easily selected and changed during installation. The electric strike can be quickly changed from fail secure to fail safe function, which provides greater flexibility and lower handling costs.

### Aesthetic mount and easy installation

Through its small dimensions, the STEP 90 Preload can be mounted neatly and easily in virtually any door environment.

### Faceplates

STEP 90 Preload has the same faceplate assortment as STEP 40, 48, 98 Preload and STEP 90 Release. You will find faceplates and other accessories on page 100.

### Suitable lock cases for the Scandinavian market

- Single and double latch locks in the Connect series
- Single and double latch locks in the Modular series
- Single and double latch locks in the Narrow profile series



**STEP**  
**90**  
PRELOAD

# Technical data



Fire resistance class E/EI 120

Power consumption with fail secure and fail safe functions	
24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
110 mAh / max 300 mA	220 mAh / max 600 mA

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

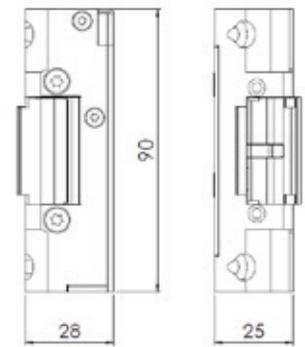
Article number for Scandinavian standards	Designation
ST90	Fail secure function 24 V DC.
ST90-12	Fail secure function 12 V DC.
ST900	Fail secure function 24 V DC, including bolt contact.
ST900-12	Fail secure function 12 V DC, including bolt contact.
ST901	Fail safe function 24 V DC, including bolt contact.
ST901-12	Fail safe function 12 V DC, including bolt contact.
ST905	Adjustable function 24 V DC, including bolt contact.
ST905-12	Adjustable function 12 V DC, including bolt contact.
ST91	Fail safe function 24 V DC.
ST91-12	Fail safe function 12 V DC.
ST95	Adjustable function 24 V DC.
ST95-12	Adjustable function 12 V DC.

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Security electrical manipulation: Grade 1 per EN 14846.
- Approved fire resistance class E/EI 120.
- Microswitch unipolar changeover, max. 30 V DC, 1A.
- Built-in protective diode.
- Detection indication that the door is closed/open (applies to the products with bolt contact).
- Break resistance 9 kN (≈ 900 kg).
- Ensures opening despite preload up to 0,4 kN (≈ 40 kg) in fail secure and fail safe function.
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.
- Screw holes for angled screws at rear edge of electric strike.

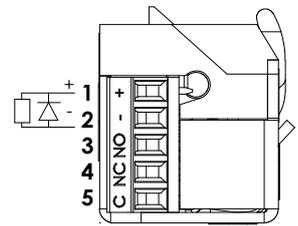
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 90 Preload is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 40 kg.

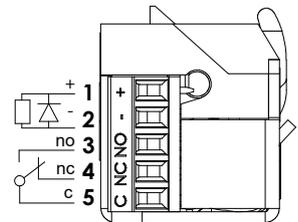
- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 90 Preload.



Wiring diagram without bolt indication. Connections are made with screw terminal blocks.



Wiring diagram with bolt indication. Connections are made with screw terminal blocks.



# STEP 48 Preload™

## – Electric strike with fixed cut-out for mechanical deadbolt

STEP 48 Preload has a fixed cut-out that can operate in conjunction with a lock case's hook bolt or deadbolt, to block the door's access control system/reader or door automation.

STEP 48 Preload has the option of letting the door lock's hook bolt or deadbolt go through the faceplate into the electric strike's fixed cut-out. This is desirable in door environments where you want to be able to block the door's access control system/reader or door automation with, for example, a thumbturn or key.

### Reliability and easy installation with minimal dimensions

The combination of STEP's unique Preload technology and small dimensions provides a lock with high operational reliability and easy installation in almost all door environments.

### Optional accessory: a dead bolt indication

To STEP 48 Preload, it is possible to install a dead bolt indication to the electric strike. This indication can be used to automatically block the door's access control system/reader or door automation when the hook bolt/deadbolt is mechanically locked. The dimensions is 59x35x24 mm.

### Faceplates

STEP 48 Preload has the same faceplate assortment as STEP 40, 90, 98 Preload and STEP 90 Release. You will find faceplates and other accessories on page 100 and 107.

### Suitable lock cases for the Scandinavian market

- Hook bolt locks, single and double latch locks in the Connect series
- Sash locks, single and double latch locks in the Modular series
- Single and double latch locks in the Narrow profile series



**STEP**  
**48**  
PRELOAD

## Technical data

### Power consumption with fail secure and fail safe functions

24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
110 mAh / max 300 mA	220 mAh / max 600 mA

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

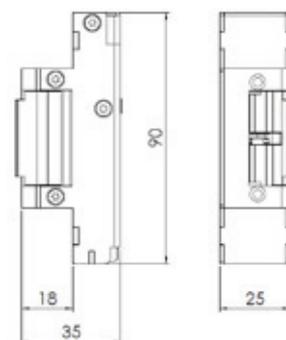
Article number for Scandinavian standards	Designation
ST480	Fail secure function 24 V DC.
ST480-12	Fail secure function 12 V DC.
ST4800	Fail secure function 24 V DC, including bolt contact.
ST4800-12	Fail secure function 12 V DC, including bolt contact.
ST4801	Fail safe function 24 V DC, including bolt contact.
ST4801-12	Fail safe function 12 V DC, including bolt contact.
ST4805	Adjustable function 24 V DC, including bolt contact.
ST4805-12	Adjustable function 12 V DC, including bolt contact.
ST481	Fail safe function 24 V DC.
ST481-12	Fail safe function 12 V DC.
ST485	Adjustable function 24 V DC.
ST485-12	Adjustable function 12 V DC.

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Security electrical manipulation: Grade 1 per EN 14846.
- Microswitch unipolar changeover, max. 30 V DC, 1A.
- Built-in protective diode.
- Detection indication that the door is closed/open (applies to the products with bolt contact).
- Break resistance 9 kN (≈ 900 kg).
- Opens despite preload up to 0,4 kN (≈ 40 kg) in fail secure and fail safe function.
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.
- Fixed cut-out for mechanical deadbolt or hook bolt.

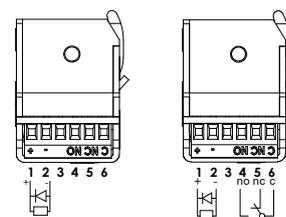
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 48 Preload is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 40 kg.

- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 48 Preload.



Wiring diagram without and with bolt contact.



Optional accessory: a dead bolt indication.



Here, a hook bolt is thrown through the faceplate into the electric strike's fixed cut-out and thus blocked the door's access control system/reader or door automation.



# STEP 98 Preload™

## – Fire resistant electric strike with fixed cut-out for mechanical deadbolt

STEP 98 Preload has a fixed cut-out that can operate in conjunction with a lock case's hook bolt or deadbolt, to block the door's access control system/reader or door automation. Fire resistance class E/EI 120.



STEP 98 Preload has the option of letting the door lock's hook bolt or deadbolt go through the faceplate into the electric strike's fixed cut-out. This is desirable in door environments where you want to be able to block the door's access control system/reader or door automation with, for example, a thumbturn or key.

### Reliability and easy installation with minimal dimensions

The combination of STEP's unique Preload technology and small dimensions provides a lock with high operational reliability and easy installation in almost all door environments.

### Optional accessory: a dead bolt indication

To STEP 98 Preload, it is possible to install a dead bolt indication to the electric strike. This indication can be used to automatically block the door's access control system/reader or door automation when the hook bolt/deadbolt is mechanically locked. The dimensions is 59x35x24 mm.

### Faceplates

STEP 98 Preload has the same faceplate assortment as STEP 40, 90, 48 Preload and STEP 90 Release. You will find faceplates and other accessories on page 100 and 107.

### Suitable lock cases for the Scandinavian market

- Sash locks, single and double latch locks in the Connect series
- Sash locks, single and double latch locks in the Modular series
- Single and double latch locks in the Narrow profile series

**STEP**  
**98**  
**PRELOAD**

# Technical data



Fire resistance class E/EI 120

Power consumption with fail secure and fail safe functions	
24 V DC +15 % - 10 %	12 V DC + 15 % - 10 %
110 mAh / max 300 mA	220 mAh / max 600 mA

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

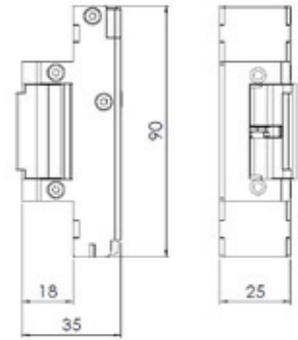
Article number for Scandinavian standards	Designation
ST980	Fail secure function 24 V DC.
ST980-12	Fail secure function 12 V DC.
ST9800	Fail secure function 24 V DC, including bolt contact.
ST9800-12	Fail secure function 12 V DC, including bolt contact.
ST9801	Fail safe function 24 V DC, including bolt contact.
ST9801-12	Fail safe function 12 V DC, including bolt contact.
ST9805	Adjustable function 24 V DC, including bolt contact.
ST9805-12	Adjustable function 12 V DC, including bolt contact.
ST981	Fail safe function 24 V DC.
ST981-12	Fail safe function 12 V DC.
ST985	Adjustable function 24 V DC.
ST985-12	Adjustable function 12 V DC.

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Security electrical manipulation: Grade 1 per EN 14846.
- Approved fire resistance class E/EI 120.
- Microswitch unipolar changeover, max. 30 V DC, 1A.
- Built-in protective diode.
- Detection indication that the door is closed/open (valid for products with bolt contact).
- Break resistance 9 kN (≈ 900 kg).
- Opens despite preload up to 0,4 kN (≈ 40 kg) in fail secure and fail safe function.
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.
- Fixed cut-out for mechanical deadbolt or hook bolt.

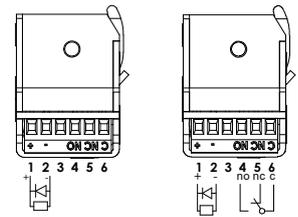
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 98 Preload is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 40 kg.

- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 98 Preload.



Wiring diagram without and with bolt contact.



Optional accessory: a dead bolt indication.



Here, a hook bolt is thrown through the faceplate into the electric strike's fixed cut-out and thus blocked the door's access control system/reader or door automation.



# STEP 92 Preload™

## – Double electric strike for door automation

STEP 92 Preload is an electric strike with two rotating cams designed for lever handle latch bolts and cylinder latch bolt in a double latch lock. With separate electrical locking on each latch bolt, there are more options for doors with door automation or pull handles. Fire resistance class E/EI 120.

### **Electric strike in fail safe function despite fire safety requirements and door automation**

The upper and lower rotating cam can be separately set to the fail secure or fail safe function, which allows STEP 92 Preload to be adapted to many different door functions. The door can be unlocked via fire alarms or even stand open during the day despite fire requirements E/EI 120 and opened with door automation.

An evacuation door with door automation and fire requirements can thus now handle re-entry via fire alarms.

### **Faceplates**

STEP 92 Preload has the same faceplate assortment as STEP 92 Release. You will find faceplates and other accessories on page 108.

### **Suitable lock cases for the Scandinavian market**

- Double latch locks in the Connect series
- Double latch locks in the Modular series
- Double latch locks in the Narrow profile series



**STEP**  
**92**  
PRELOAD

## Technical data



Fire resistance class E/EI 120

### Power consumption per rotating cam separately with, fail secure and fail safe functions

24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
110 mAh / max 300 mA	220 mAh / max 600 mA

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

Article number for Scandinavian standards	Designation
ST925	Fail safe function 24 V DC, including bolt contact.
ST925-12	Fail safe function 12 V DC, including bolt contact.

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Security electrical manipulation: Grade 1 per EN 14846.
- Approved fire resistance class E/EI 120.
- Microswitch unipolar changeover, max. 30 V DC, 1 A.
- Built-in protective diode.
- Built-in indication in both rotating cams for detection of whether the door is closed/open (bolt contact).
- Break resistance 9 kN ( $\approx$  900 kg).
- Ensures opening despite preload up to 0,4 kN ( $\approx$  40 kg) in fail secure and fail safe function.
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.

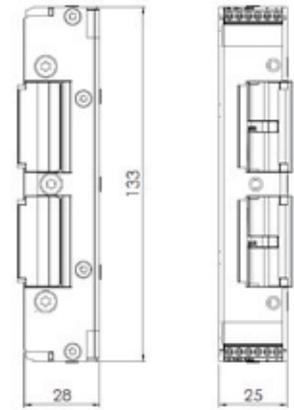
## Used in doors where door automation is to be combined with other requirements

- Evacuation door, fits many evacuation locks in Scandinavian standard for EN 179 and EN 1125.
- Door automation with door open at fire cell limit.
- Door automation with evacuation and mechanical re-entry at the fire cell limit.
- Door automation with evacuation and electrical re-entry at the fire cell limit.
- Door at the fire cell limit can be unlocked via fire alarm for evacuation.
- Unlocked door at the fire cell limit with door automation can be equipped with double latch lock and be prepared for electrical access control.

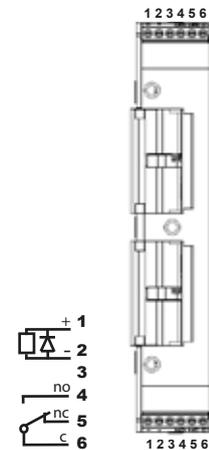
## STEP's unique Preload technology

STEP 92 Preload is equipped with STEP's unique Preload technology that allows the door to unlock even if subjected to pressures of up to 40 kg.

- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 92 Preload.



Wiring diagram with bolt contact. Connections are made with screw terminal blocks.

# ***STEP***

## **RELEASE SERIES**

The STEP Release series are designed for doors requiring fire protection in combination with evacuation terminals or emergency opening buttons. An enhanced Preload technology enables the door to open despite loads of up to 150 kg. Choose STEP Release when you have high demands on evacuation and re-entry.





# STEP 90 Release™

## – Electric strike for doors with evacuation terminal

STEP 90 Release is designed for evacuation doors where fire requirements are to be combined with evacuation terminal or emergency exit button. Opens in an emergency situation despite high pressure on the door. Fire resistance class E/EI 120.

The electric strike is highly reliable and tested for high opening frequency. STEP 90 Release in fail safe function is adapted to emergency opening via evacuation terminal or emergency opening button according to EN 13637.

### **Extended Preload technology**

To ensure that evacuation always is possible, STEP 90 Release is equipped with an extended Preload technology capable of handling a load of up to 150 kg.

### **Minimal dimensions and easy installation**

With its small dimensions, the electric strike fits with little adjustment into the recess for the door's standard strike plate.

### **Faceplates**

STEP 90 Release has the same faceplate assortment as STEP 40, 90, 48 and 98 Preload. You will find faceplates and other accessories on page 100.

### **Suitable lock cases for the Scandinavian market**

- Single and double latch locks in the Connect series
- Single and double latch locks in the Modular series
- Single and double latch locks in the Narrow profile series



**STEP**  
**90**  
RELEASE

## Technical data



Fire resistance class E/EI 120

### Power consumption with fail secure and fail safe functions

24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
110 mAh / max 300 mA	220 mAh / max 600 mA

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

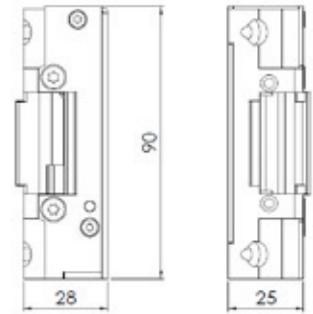
Article number for Scandinavian standards	Designation
ST901HP	Fail safe function 24 V DC, including bolt contact.
ST901HP-12	Fail safe function 12 V DC, including bolt contact.
ST905HP	Adjustable function 24 V DC, including bolt contact.
ST905HP-12	Adjustable function 12 V DC, including bolt contact.
ST91HP	Fail safe function 24 V DC.
ST91HP-12	Fail safe function 12 V DC.
ST95HP	Adjustable function 24 V DC.
ST95HP-12	Adjustable function 12 V DC.

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Security electrical manipulation: Grade 1 per EN 14846.
- Approved fire resistance class E/EI 120.
- Fail safe function adapted to requirements according to EN 13637.
- Microswitch unipolar changeover, max. 30 V DC, 1A.
- Built-in protective diode.
- Detection indication that the door is closed/open (applies to the products with bolt contact).
- Break resistance 9 kN (≈ 900 kg).
- Ensures opening despite preload up to 1,5 kN (≈ 150 kg) in fail secure and fail safe function.
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.
- Screw holes for angled screws at rear edge of electric strike.

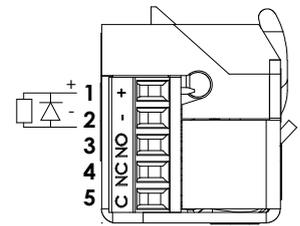
## Adjusts the evacuation route to emergency opening terminal, fire alarms and fire safety requirements

STEP 90 Release in fail safe function is adapted to emergency opening via evacuation terminal//emergency opening button according to EN 13637.

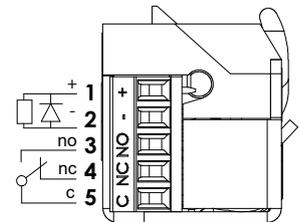
- **Fire alarm** – Ensures that an emergency opening terminal or a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or crooked doors.
- **Fire safety requirements** – Fire-resistance class E/EI 120.
- **Enhanced Preload technology** – Handles a load of 150 kg when unlocking.



Dimensional drawing STEP 90 Release.



Wiring diagram without bolt indication. Connections are made with screw terminal blocks.



Wiring diagram with bolt indication. Connections are made with screw terminal blocks.



# STEP 92 Release™

## – Double electric strike for doors with evacuation terminal

For evacuation doors where door automation and fire requirements are to be combined with evacuation terminal or emergency opening button. Opens in an emergency situation despite high pressure on the door. Fire resistance class E/EI 120.

### **Fail safe function for fire safety requirements and door automation**

STEP 92 Release has two rotating cams designed for lever handle latch bolts and cylinder latch bolts in a double latch lock. STEP 92 Release is in fail safe function adapted for emergency opening via evacuation terminal or emergency opening button according to EN 13637.

STEP 92 Release entails that an evacuation door with door automation and fire safety requirements can handle re-entry via fire alarms.

### **Extended Preload technology**

To ensure that evacuation can always happen, STEP 92 Release is equipped with an extended Preload technology capable of handling a load of up to 150 kg. Both the rotating cams handle Preload, which provides reliable opening even with door automation.

### **Faceplates**

STEP 92 Release has the same faceplate assortment as STEP 92 Preload. You will find faceplates and other accessories on page 108.

### **Suitable lock cases for the Scandinavian market**

- Double latch locks in the Connect series
- Double latch locks in the Modular series
- Double latch locks in the Narrow profile series



**STEP**  
**92**  
RELEASE

## Technical data



Fire resistance class E/EI 120

### Power consumption per rotating cam separately, fail secure and fail safe functions

24 V DC + 15 % - 10 %      12 V DC + 15 % - 10 %

110 mAh / max 300 mA      220 mAh / max 600 mA

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

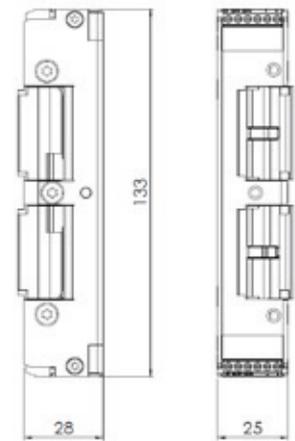
Article number for Scandinavian standards	Designation
ST925HP	Adjustable function 24 V DC, including bolt contact.
ST925HP-12	Adjustable function 12 V DC, including bolt contact.

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Security electrical manipulation: Grade 1 per EN 14846.
- Approved fire resistance class E/EI 120.
- Adapted to requirements according to EN 13637.
- Microswitch unipolar changeover, max. 30 V DC, 1 A.
- Built-in protective diode.
- Built-in indication in both rotating cams for detection of whether the door is closed/open (bolt contact).
- Break resistance 9 kN (≈ 900 kg).
- Ensures opening despite preload up to 1,5 kN (≈ 150 kg) in fail secure and fail safe function.
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.

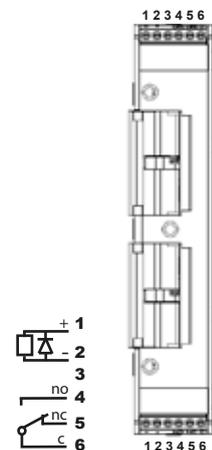
## Used in doors where door automation is to be combined with other requirements

STEP 92 Release is in fail safe function adapted for emergency opening via evacuation terminal/emergency opening button according to EN 13637.

- **Fire alarm** – Ensures that an emergency opening terminal or a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or crooked doors.
- **Fire safety requirements** – Fire resistance class E/EI 120. Fire resistance remains even after emergency opening or unlocking via the fire alarm.
- **Enhanced Preload technology** – Handles a preload of 150 kg when unlocking.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without the risk of getting stuck.



Dimensional drawing STEP 92 Release.



Wiring diagram with bolt contact. Connections are made with screw terminal blocks.

***STEP***

**SILENT SERIES**

Electric strikes with sturdy constructions in combination with the patented STEP Silent technology. This gives the electric strikes soft almost silent operation, and at the same time, high resistance to burglary attempts and break resistance. Choose STEP Silent when you want to reduce noise or increase security.





## STEP 29 Silent™

### – Sturdy electric strike for protruding latch bolts

STEP 29 Silent is a sturdy electric strike that can accept protruding latch bolts of up to a full 20 mm. Unique STEP technology gives the door smooth and almost silent operation. Approved fire resistance class E/EI 60.

#### **Reduced noise enables a wide range of application areas**

Step 29 Silent has unique opening and closing properties that enable a wide range of application areas. Soft and quiet operation along with sturdy construction makes STEP 29 Silent perfect for frequently used doors or where reduced noise is desirable, such as in apartment buildings, offices, schools and hospitals.

#### **High security**

With STEP 29 Silent you get high resistance to burglary attempts through high break resistance and electrically operated anti-hammer protection that makes it impossible to manipulate the locking function.

#### **Faceplates**

There is a selection of faceplates in stainless steel for STEP 29 Silent. You will find faceplates and other accessories on page 116.

#### **Suitable lock cases for the Scandinavian market**

- Latch locks type Abloy 4180



**STEP**  
**29**  
SILENT

# Technical data



Fire resistance class E/EI 60

### Power consumption with fail secure function

24 V DC + 15 % - 10 %    12 V DC + 15 % - 10 %

313 mA unlocked    639 mA unlocked

Power consumption 0 mA for rotating cam at rest (fail secure = locked)

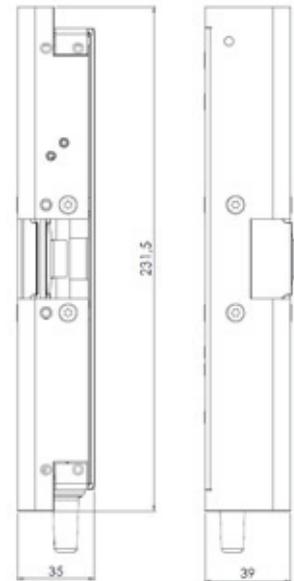
Article number for Scandinavian standards	Designation
ST2901	Fail secure function 24 V DC, including bolt contact, barrier contact and 5 m halogen-free connection cable.
ST2901-12	Fail secure function 12 V DC, including bolt contact, barrier contact and 5 m halogen-free connection cable.

- Corrosion: Grade M per EN 14846.
- Security: Grade 7 per EN 14846.
- Security electrical manipulation: Grade 3 (fail secure) per EN 14846.
- Approved fire resistance class E/EI 60.
- Microswitch unipolar changeover, max. 30 V DC, 1 A.
- Built-in detection indication that the door is closed/open (bolt contact) and locked/unlocked (barrier contact) for connection to access control systems, alarm system, etc.
- Break resistance 12 kN (≈ 1200 kg).
- Ensures opening despite preload up to 5 kN (≈ 500 kg).
- Anti-hammer secured.
- Built-in protective diode.
- Rotating cam in hardened steel, lock cases and faceplate in stainless steel.
- Including 5 metre halogen-free connection cable.

## STEP's unique Preload technology

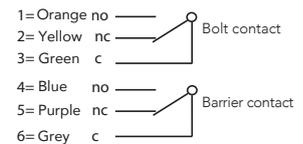
A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 29 Silent is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 500 kg.

- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.

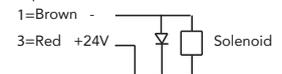


Dimensional drawing STEP 29 Silent.

### 6 pin contact



### 3 pin contact



Wiring diagram with bolt contact.



STEP 29 Silent can accept protruding latch bolts of up to 20 mm.



# STEP 60 Silent™

## – Sturdy electric strike with unique performance

STEP 60 Silent is a new generation of electric strike with superior technology designed for single- and double-latch locks. Patented STEP technology gives the door smooth and almost silent opening and closing. Approved fire resistance class E/EI 120.

### Reduced noise enables a wide range of application areas

STEP 60 Silent has unique opening and closing properties that enable a very wide range of application areas. Soft and quiet operation along with sturdy construction make STEP 60 Silent perfect for frequently used doors or where reduced noise is desirable. STEP 60 Silent improves the door environment in, for example, apartment buildings, offices, schools and hospitals.

### High security

STEP 60 Silent provides a high level of resistance to burglary attempts through a unique rotating cam for complete latch bolt throw, high break resistance and electrically operated anti-hammer protection that blocks tampering with the locking function. Break resistance is achieved both with the fail secure and fail safe functions.

### Faceplates

There is a wide range of faceplates in stainless steel for STEP 60 Silent. You will find faceplates and other accessories on page 117.

### Suitable lock cases for the Scandinavian market

- Single and double latch locks in the Connect series
- Single and double latch locks in the Modular series
- Single and double latch locks in the Narrow profile series



**STEP**  
**60**  
SILENT

## Technical data



Fire resistance class E/EI 120

Power consumption with fail secure function		Power consumption with fail safe function	
24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %	24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
250 mA max	500 mA max	193 mA max	386 mA max
121 mA unlocked	242 mA unlocked	105 mA locked	210 mA locked

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

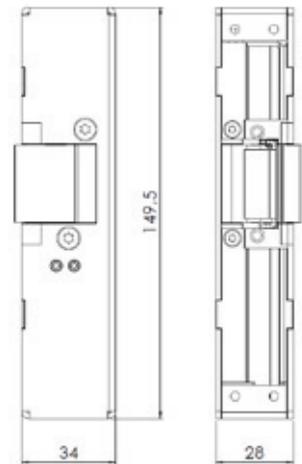
Article number for Scandinavian standards	Designation
ST600	Fail secure function 24 V DC, including bolt contact and 5 m cable.
ST600 10M	Fail secure function 24 V DC, including bolt contact and 10 m cable.
ST600-12	Fail secure function 12 V DC, including bolt contact and 5 m cable.
ST600-12 10M	Fail secure function 12 V DC, including bolt contact and 10 m cable.
ST601	Fail safe function 24 V DC, including bolt contact and 5 m cable.
ST601 10 M	Fail safe function 24 V DC, including bolt contact and 10 m cable.
ST601-12	Fail safe function 12 V DC, including bolt contact and 5 m cable.
ST601-12 10M	Fail safe function 12 V DC, including bolt contact and 10 m cable.

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Security electrical manipulation: Grade 3 (fail secure) Grade 1 (fail safe) per EN 14846.
- Approved fire resistance class E/EI 120.
- Microswitch unipolar changeover, max. 30 V DC, 1 A.
- Built-in detection indication that the door is closed/open (bolt contact) and locked/unlocked (barrier contact) for connection to access control systems, alarm system, etc.
- Break resistance 16 kN (≈ 1600 kg).
- Ensures opening despite preload up to 1 kN (≈ 100 kg) in fail secure and fail safe functions.
- Built-in protective diode.
- Anti-hammer secured.
- Including 5 metre or 10 metre halogen-free connection cable.

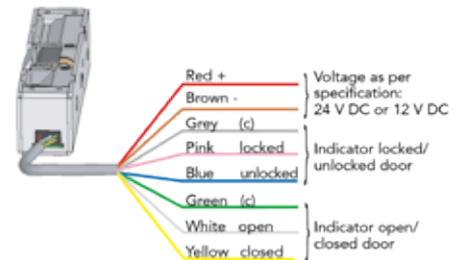
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 60 Silent is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 100 kg.

- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 60 Silent.



Wiring diagram with bolt contact.

***STEP***

**SECURE SERIES**

High-security electric strikes for door environments with high demands, such as prisons and banks. STEP Secure is suitable for security doors or doors with evacuation requirements for withstanding opening often and quickly.



FÖRSVARSHÖGSKOLAN



UTRIKESPOLITISKA INSTITUTET





# STEP 15 Secure™

## – Heavy duty deadbolt electric strike

STEP 15 Secure withstands extreme breaking forces and is suitable for doors with high security requirements. STEP 15 Secure is fast and durable, an advantage when there are frequent entries and exits with secure locking between each entry and exit.

### High security

STEP 15 Secure normally locks the door directly upon closing by the lock bolt being enclosed in a rotating cam of hardened steel. The extremely sturdy design makes the electric strike both durable and highly resistant to attempts to force the lock.

If additional attachment reinforcement is needed, special reinforcement plates are available for installation on the inside and outside of the frame. These are clamped together with threaded rods and sleeve nuts to form a strong joint.

### Function

STEP 15 Secure has a rotating cam that encloses the door lock's thrown bolt or hook bolt. For maximum security, the door lock must be equipped with a double cylinder. The door is normally opened via access control, but can also be opened with a key or thumbturn.

### Reinforcement plates

A selection of stainless steel reinforcement plates is available for STEP 15 Secure. You will find them and other accessories on page 124.

### Suitable lock cases for the Scandinavian market

STEP 15 Secure is designed for hook bolt lock case Assa 7787, 9787 or similar.



**STEP**  
**15**  
**SECURE**

## Technical data



Fire resistance class E/EI 60

Power consumption with fail secure function		Power consumption with fail safe function	
24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %	24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
458 mA max	917 mA max	458 mA / max160 mA	917 mA / max423 mA

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

Article number for Scandinavian standards	Designation
ST664-G*	Fail secure function 24 V DC, left.
ST664-G 12*	Fail secure function 12 V DC, left.
ST664-C*	Fail secure function 24 V DC, right.
ST664-C 12*	Fail secure function 12 V DC, right.
ST664-N	Fail safe function 24 V DC, left. Manages a preload of 500 kg.
ST664-N 12	Fail safe function 12 V DC, left. Manages a preload of 500 kg.
ST664-J	Fail safe function 24 V DC, right. Manages a preload of 500 kg.
ST664-J 12	Fail safe function 12 V DC, right. Manages a preload of 500 kg.

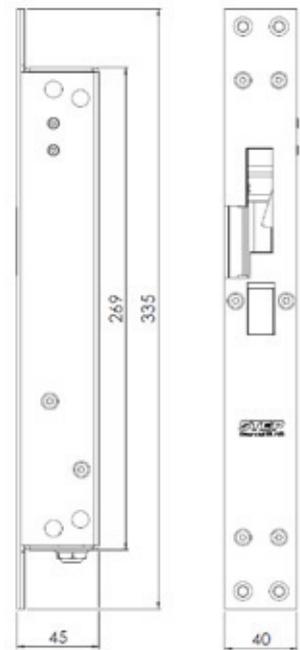
\*Built-in detection indication that the door is closed/open (bolt contact) and locked/unlocked (barrier contact) for connection to access control systems, alarm system, etc.

- Approved fire resistance class E/EI 60.
- Rotating cam in hardened steel, lock cases and faceplate in stainless steel.
- Break resistance: 16 kN (≈ 1600 kg).
- Guarantees opening despite preload up to 5 kN (≈ 500 kg). Applies only to STEP 15 Secure with article numbers ST664-J, ST664-J 12, ST664-N, and ST664-N 12.
- Built-in protective diode.
- Anti-hammer secured.
- 11 W 100% ED.
- Including 5 metre halogen-free connection cable.

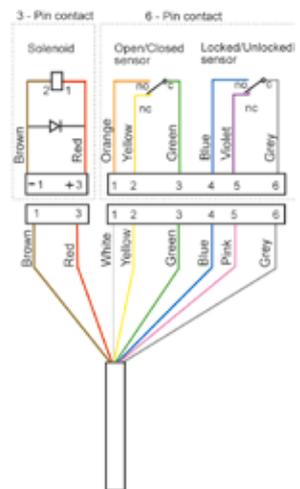
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 15 Secure is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 500 kg.

- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 15 Secure.



Wiring diagram with bolt and barrier contact.



# STEP 18 Secure™

## – Deadlock electric strike

STEP 18 Secure provides a high level of resistance to burglary attempts with durable and rapid locking and unlocking. Suitable for installation in doors with frequent entries and exits despite stringent requirements for intrusion protection. Approved fire resistance class E/EI 60.

STEP 18 Secure can be combined with an emergency evacuation lock per EN 179 to ensure high evacuation safety. It can also be mounted along an evacuation route that opens with an emergency release button. The proven Preload technology ensures that the door can be opened even if it is subjected to high pressure.

### For high frequency opening

With STEP 18 Secure you attain high security for doors that will be opened frequently and where you want the door to be locked between each passage. Full break resistance is achieved in both with fail secure and fail safe functions.

### RC-classified STEP 18 Secure for security doors

After testing at RISE, STEP 18 Secure, with article numbers listed on next page, is approved for security doors up to RC4 (requirements for doors in protection Class 3), according to EN 1627. Read more on page 90.

### Faceplates

There is a broad range of faceplates in stainless steel for STEP 18 Secure. You will find faceplates and other accessories on page 125.

### Suitable lock cases for the Scandinavian market

- Deadlock or sash locks in Connect series
- Deadlock or sash locks in Modular series



**STEP**  
**18**  
**SECURE**

## Technical data



Fire resistance class E/EI 60

Power consumption with fail secure function		Power consumption with fail safe function	
24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %	24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
313 mA unlocked	639 mA unlocked	267 mA max 126 mA locked	545 mA max 98 mA locked

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

Article number for Connect series	Article number for Modular series	Designation
ST180-A*	ST180-C**	Fail secure function, left 24 V DC.
ST180-B*	ST180-D**	Fail secure function, right 24 V DC.
ST181-A*	ST181-C**	Fail safe function, left 24 V DC.
ST181-B*	ST181-D**	Fail safe function, right 24 V DC.

Article number RC-classification	Designation
ST180-AS	Fail secure function left, 24 V DC, for Assa 511.
ST180-BS	Fail secure function, right 24 V DC, for Assa 511.
ST181-AS	Fail safe function, left 24 V DC, for Assa 511.
ST181-BS	Fail safe function, right 24 V DC, for Assa 511.

NOTE: As standard STEP 18 Secure is delivered for 24 V DC connection.

For 12 V DC connection, "12" is added after the article number, for example, ST180-A12.

\* Connect, choose for 7 mm or 9 mm wide hook bolt, for example, ST180-A 7MM.

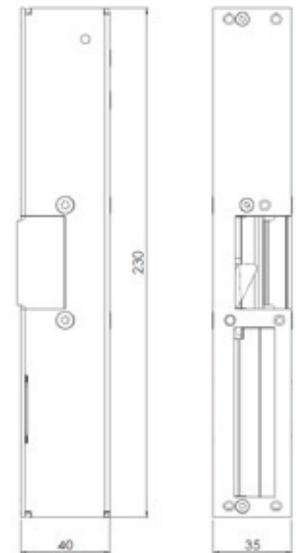
\*\* Modular, choose for 10 mm or 12 mm wide bolt, for example, ST180-C 10MM.

- Durability: Grade Y per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 7 per EN 14846.
- Security electrical manipulation: Grade 3 (fail secure) Grade 1 (fail safe) per EN 14846.
- Approved fire resistance class E/EI 60.
- Microswitch unipolar changeover, max. 30 V DC, 1 A.
- Built-in detection indication that the door is closed/open (bolt contact) and locked/unlocked (barrier contact) for connection to access control systems, alarm system, etc.
- Built-in protective diode.
- Break resistance 15 kN (≈ 1500 kg).
- Opens despite preload up to 5 kN (≈ 500 kg) in fail secure and fail safe functions.
- Anti-hammer secured.
- Including 5 metre halogen-free connection cable.

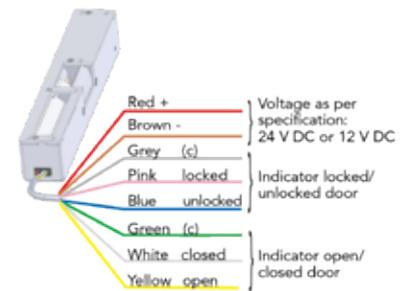
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 18 Secure is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 500 kg.

- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 18 Secure.



Wiring diagram with bolt contact. Connection is with a quick connector.



# STEP 28E Secure™

## – Sash lock electric strike for door automation

STEP 28E Secure is a sash lock electric strike that makes it possible to combine requirements for security, fire safety and evacuation with automatic door openers or pull handles. Approved fire resistance class E/EI 60.

### **Electrical locking for doors with many requirements**

STEP 28E Secure is used in electrical locking where door automation or pull handles are to be combined with requirements for high security and/or fire containment.

The electric strike is used together with a sash lock, which provide good protection against burglary attempts while a door retaining function is always retained with a lever handle latch bolt.

### **Emergency evacuation function and fire safety requirements in fail secure and fail safe functions**

STEP 28E Secure is often fitted with emergency evacuation locks according to EN 179 where fire safety requirements and evacuation are to be combined with automatic door openers. STEP 28E Secure also allows emergency opening via emergency open buttons at the fire cell limit.

### **Faceplates**

There is a broad range of faceplates in stainless steel for STEP 28E Secure. You will find faceplates and other accessories on page 130.

### **Suitable lock cases for the Scandinavian market**

- Sash bolt locks in Connect series
- Sash bolt locks in the Modular series



**STEP**  
**28E**  
SECURE

## Technical data



Fire resistance class E/EI 60.

Power consumption with fail secure function		Power consumption with fail safe function	
24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %	24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
500 mA unlocked	1000 mA unlocked	267 mA max	534 mA max
		126 mA locked	98 mA locked

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

Article number for Connect series	Article number for Modular series	Designation
ST280-AE*	ST280-CE**	Fail secure function, left 24 V DC.
ST280-BE*	ST280-DE**	Fail secure function, right 24 V DC.
ST281-AE*	ST281-CE**	Fail safe function, left 24 V DC.
ST281-BE*	ST281-DE**	Fail safe function, right 24 V DC.

NOTE: As standard STEP 28E Secure is delivered for 24 V DC connection.

For 12 V DC connection, "12" is added after the article number, for example, ST280-AE12.

\* Connect, choose for 7 mm or 9 mm wide hook bolt, for example, ST280-AE 7MM.

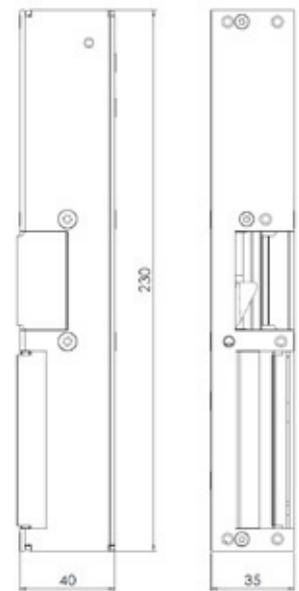
\*\* Modular, choose for 10 mm or 12 mm wide bolt, for example, ST280-CE 10MM.

- Durability: Grade Y per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 7 per EN 14846.
- Security electrical manipulation: Grade 3 (fail secure) Grade 1 (fail safe) per EN 14846.
- Approved fire resistance class E/EI 60.
- Microswitch unipolar changeover, max. 30 V DC, 1 A.
- Built-in detection indication that the door is closed/open (bolt contact) and locked/unlocked (barrier contact) for connection to access control systems, alarm system, etc.
- Built-in protective diode.
- Break resistance over 15 kN (≈ 1500 kg).
- Ensures opening despite preload up to 5 kN (≈ 500 kg) in fail secure and fail safe functions.
- Anti-hammer secured.
- Including 5 metre halogen-free connection cable.

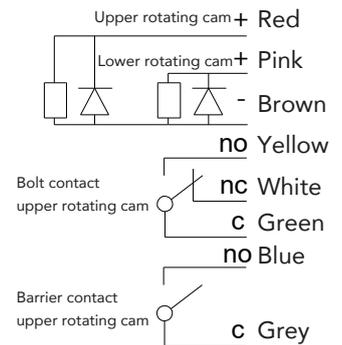
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 28E Secure is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 500 kg.

- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing  
STEP 28E Secure.



Wiring diagram with bolt contact. Connection is with a quick connector.



## Electric strikes adapted for Euro DIN standards

The products on the following pages are our range of electric strikes suited for the Euro DIN standards used in European markets and other places globally.

**PRELOAD SERIES**

**SECURE SERIES**





# STEP 30 Preload™

## – Electric strike with minimal dimensions for Euro DIN standards

STEP 30 Preload is a minimal electric strike designed to replace existing simple electric strikes and create a reliable door environment even with older doors and recesses. Preload technology allows the door to open even if it is subjected to pressure.

### Proven technology in minimal format

Preload technology enables smoothly functioning electric locking with door seals. The technology gives the door very high reliability and allows it to retain its sealing properties.

In common with the other products in the series, STEP 30 Preload features smooth action for good door operation.

### Bring new life to older doors

STEP 30 Preload can be used as a replacement for existing simple electric strikes. In this way, STEP 30 Preload provides the opportunity to achieve a reliable and well-functioning door environment despite older doors and recesses.

### Euro DIN faceplates and lock cases

- You find a selection of accessories on page 96.
- Please contact us for more information about Euro DIN compatible faceplates for STEP 30 Preload.
- Suitable for single and double latch Euro DIN lock cases.



**STEP**  
**30**  
PRELOAD

# Technical data

Power consumption with fail secure and fail safe functions	
24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
110 mAh / max 300 mA	220 mAh / max 600 mA

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

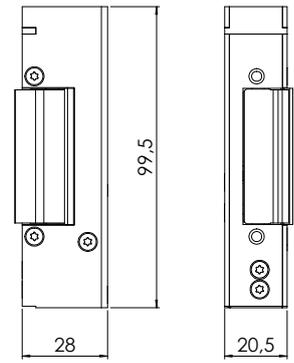
Article number for Euro DIN standards	Designation
ST30	Fail secure function 24 V DC.
ST30-12	Fail secure function 12 V DC.
ST300	Fail secure function 24 V DC, including bolt contact.
ST300-12	Fail secure function 12 V DC, including bolt contact.
ST301	Fail safe function 24 V DC, including bolt contact.
ST301-12	Fail safe function 12 V DC, including bolt contact.
ST305	Adjustable function 24 V DC, including bolt contact.
ST305-12	Adjustable function 12 V DC, including bolt contact.
ST31	Fail safe function 24 V DC.
ST31-12	Fail safe function 12 V DC.
ST35	Adjustable function 24 V DC.
ST35-12	Adjustable function 12 V DC.

- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 3 per EN 14846.
- Microswitch unipolar changeover, max. 30 V DC, 1A.
- Built-in protective diode.
- Detection indication that the door is closed/open (applies to the products with bolt contacts).
- Break resistance 5 kN (≈ 500 kg).
- Ensures opening despite preload up to 0,4 kN (≈ 40 kg) in fail secure and fail safe functions.
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.

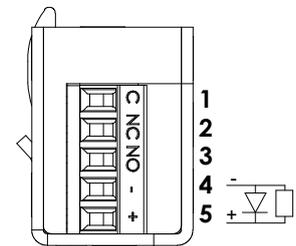
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 30 Preload is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 40 kg.

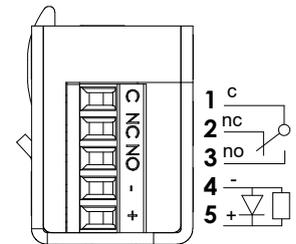
- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 30 Preload for Euro DIN standards.



Wiring diagram without bolt contact. Connections are made with screw terminal blocks.



Wiring diagram with bolt contact. Connections are made with screw terminal blocks.



# STEP 18 Secure™

## – Dead lock electric strike for Euro DIN standards

STEP 18 Secure provides a high level of resistance to burglary attempts with durable and rapid locking and unlocking. Suitable for installation in doors with frequent entries and exits despite stringent requirements for intrusion protection. Approved fire resistance class E/EI 60.

### **Proven evacuation with emergency handle or emergency opening button**

STEP 18 Secure can be combined with an emergency evacuation lock per EN 179 to ensure high evacuation safety in the event of fire or other evacuation situation.

STEP 18 Secure can also be mounted along an evacuation route that opens with an emergency release button. The proven Preload technology ensures that the door can be opened even if it is subjected to high pressure.

### **High security for high frequency opening**

With STEP 18 Secure you attain high security for doors that will be opened frequently and quickly. Full break resistance is achieved both with the fail secure and fail safe functions.

### **Euro DIN faceplates and lock cases**

- You find a selection of faceplates and accessories on page 125.
- Please contact us if you can not find the right product for your door environment, as we are always interested in producing a new solution for your specific needs.
- Suitable with dead lock or sash lock Euro DIN lock cases.



**STEP**  
**18**  
SECURE

## Technical data



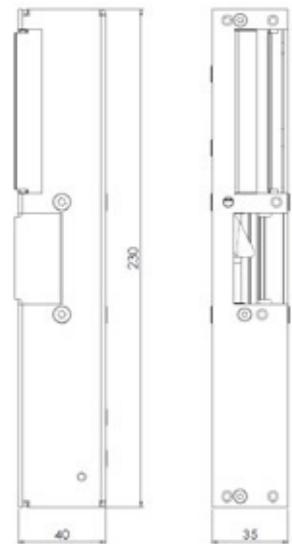
Fire resistance class E/EI 60

Power consumption with fail secure function		Power consumption with fail safe function	
24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %	24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
313 mA unlocked	639 mA unlocked	267 mA max 126 mA locked	545 mA max 98 mA locked

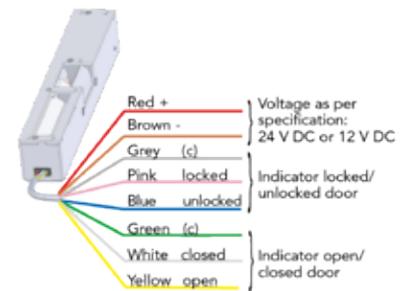
Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

Article number for Euro DIN standards	Designation
ST180-E	Fail secure function left 24 V DC.
ST180-E12	Fail secure function left 12 V DC.
ST180-F	Fail secure function right 24 V DC.
ST180-F12	Fail secure function right 12 V DC.
ST181-E	Fail safe function left 24 V DC.
ST181-E12	Fail safe function left 12 V DC.
ST181-F	Fail safe function right 24 V DC.
ST181-F12	Fail safe function right 12 V DC.

- Durability: Grade Y per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 7 per EN 14846.
- Security electrical manipulation: Grade 3 (fail secure) Grade 1 (fail safe) per EN 14846.
- Approved fire resistance class E/EI 60.
- Microswitch unipolar changeover, max. 30 V DC, 1 A.
- Built-in detection indication that the door is closed/open (bolt contact) and locked/unlocked (barrier contact) for connection to access control systems, alarm system, etc.
- Built-in protective diode.
- Break resistance 15 kN (≈ 1500 kg).
- Opens despite preload up to 5 kN (≈ 500 kg) in fail secure and fail safe functions.
- Anti-hammer secured.
- Including 5 metre halogen-free connection cable.



Dimensional drawing STEP 18 Secure for Euro DIN standards.



Wiring diagram with bolt contact. Connection is with a quick connector.

## High security

After testing at RISE, STEP 18 Secure has been approved for locking doors up to RC4 (requirements for door in protection Class 3) according to EN 1627.

## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 18 Secure is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 500 kg.

- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



## STEP 28E Secure™

### – Sash lock electric strike for door automation, Euro DIN standard

STEP 28E Secure is a sash lock electric strike that makes it possible to combine requirements for security, fire safety and evacuation with automatic door openers or pull handles. Approved fire resistance class E/EI 60.

#### **Electrical locking for doors with many requirements**

STEP 28E Secure is used in electrical locking where door automation or pull handles are to be combined with requirements for high security and/or fire containment.

The electric strike is used together with a sash lock, which provide good protection against burglary attempts while a door retaining function is always retained with a lever handle latch bolt.

#### **Emergency evacuation function and fire safety requirements in fail secure and fail safe functions**

STEP 28E Secure is often fitted with emergency evacuation locks according to EN 179 where fire safety requirements and evacuation are to be combined with automatic door openers. STEP 28E Secure also allows emergency opening via emergency open buttons at the fire cell limit.

#### **Euro DIN faceplates and lock cases**

- You find a selection of faceplates and accessories on page 130.
- Please contact us if you can not find the right product for your door environment, as we are always interested in producing a new solution for your specific needs.
- Suitable with sash bolt Euro DIN lock cases.



**STEP**  
**28E**  
SECURE

## Technical data



Fire resistance class E/EI 60.

Power consumption with fail secure function		Power consumption with fail safe function	
24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %	24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
500 mA unlocked	1000 mA unlocked	267 mA max	534 mA max
		126 mA locked	98 mA locked

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

Article number for Euro DIN standards	Designation
ST280-EE	Fail secure function left 24 V DC.
ST280-EE12	Fail secure function left 12 V DC.
ST280-FE	Fail secure function right 24 V DC.
ST280-FE12	Fail secure function right 12 V DC.
ST281-EE	Fail safe function left 24 V DC.
ST281-EE12	Fail safe function left 12 V DC.
ST281-FE	Fail safe function right 24 V DC.
ST281-FE12	Fail safe function right 12 V DC.

NOTE: As standard STEP 28E Secure is delivered for 24 V DC connection.

For 12 V DC connection, "12" is added after the article number, for example, ST280-AE12.

\* Connect, choose for 7 mm or 9 mm wide hook bolt, for example, ST280-AE 7MM.

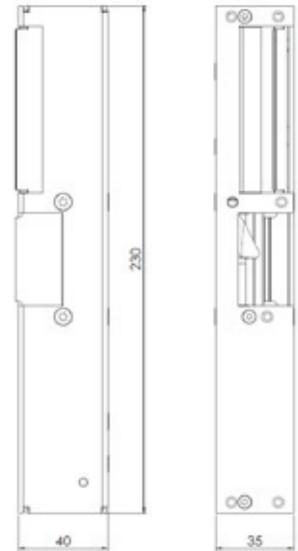
\*\* Modular, choose for 10 mm or 12 mm wide bolt, for example, ST280-CE 10MM.

- Durability: Grade Y per EN 14846.
- Corrosion: Grade M per EN 14846.
- Security: Grade 7 per EN 14846.
- Security electrical manipulation: Grade 3 (fail secure) Grade 1 (fail safe) per EN 14846.
- Approved fire resistance class E/EI 60.
- Microswitch unipolar changeover, max. 30 V DC, 1 A.
- Built-in detection indication that the door is closed/open (bolt contact) and locked/unlocked (barrier contact) for connection to access control systems, alarm system, etc.
- Built-in protective diode.
- Break resistance over 15 kN (≈ 1500 kg).
- Ensures opening despite preload up to 5 kN (≈ 500 kg) in fail secure and fail safe functions.
- Anti-hammer secured.
- Including 5 metre halogen-free connection cable.

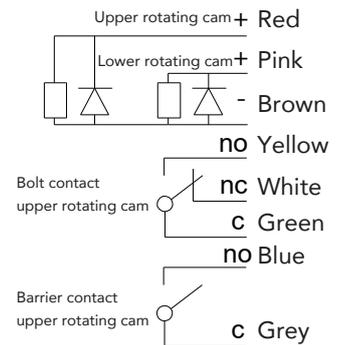
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 28E Secure is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 500 kg.

- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the door lock is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 28E Secure for Euro DIN standards.



Wiring diagram with bolt contact. Connection is with a quick connector.

# STEP soleniod handle locks

– durable and high operational reliability

STEP soleniod handle locks are electrically controlled door locks that are suitable for installation in door environments where you want to increase the operational reliability. Areas of use are day locking and internal locking in, for example, office buildings, hospitals, industries and other types of common areas where operational reliability is an important factor.





# ***STEP*** **100**

The STEP 100 series contains durable solenoid handle locks in stainless steel with classic or modern bolt placement. The locks have been tested to withstand a high opening frequency and are adapted for use in combination with electric strikes.





# STEP 110

## – with patented DirectDrive® function and modern bolt placement

STEP 110 is a durable solenoid handle lock equipped with a unique DirectDrive® function, which provides a very soft and flexible experience when using the door handle. The durable lock has a modern bolt placement with the cylinder latch bolt located in the center of the lock case. Fire resistance class E/EI120.

### **DirectDrive® function provides a responsive feel with direct operation**

The unique and patented DirectDrive® function provides the lock with a direct operation and a very responsive feel when the door's handle is used. The concept gives a whole new dimension of how a solenoid handle lock can be experienced.

### **Modern boltplacement and several optional features**

STEP 110 comes with modern bolt placement and with or without split spindle function. If you select one of the products with split function, you can allow any side of the lock to be mechanically controlled.

Evacuation and high durability are assured by sturdy attachment of the mechanically controlled side and the split spindle function being secured by stainless steel and hardened parts.

STEP 110 has several optional functions, such as door hanging, fail secure/fail safe function, as well as the choice of mechanically connected side. Integrated microswitches indicate closed and interlocked mode, as well as handle operation, for connection to access control systems.

STEP 110 is very well suited for use together with electric strikes.



**STEP**  
**110**  
100-SERIES

## Technical data



Fire resistance class E/EI 120

### Power consumption with fail secure and fail safe functions

24 V DC + 15 % - 10 %      12 V DC + 15 % - 10 %

Max 60 mA                      Max 120 mA

Power consumption 0 mA at rest (fail secure - locked, fail safe - unlocked)

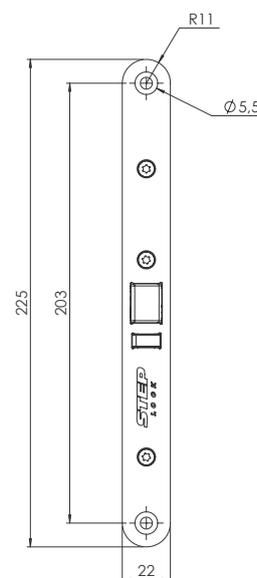
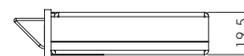
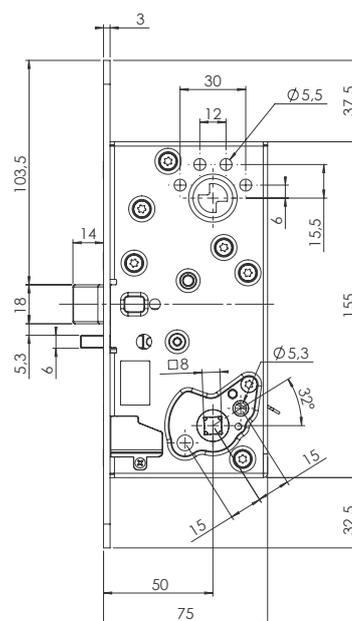
Art.no	Designation
ST110	STEP 110. Modern bolt placement, split spindle function, 24 V DC.
ST110-12	STEP 110. Modern bolt placement, split spindle function, 12 V DC.
ST112	STEP 110. Modern bolt placement, 24 V DC.
ST112-12	STEP 110. Modern bolt placement, 12 V DC.

Art.no accessories	Designation
ST1087	Screw- and contact kit for STEP 120.
ST1088-40/50/57/60/70/80	STEP Square spindle. 8x8mm. Choose between 40, 50, 57, 60, 70 or 80 mm.
ST1119	10 m halogen free connection cable with contact.
ST1283	STEP Lead cover.
ST2009-12	Mechanical strike plate. Fits where recesses were made for 1487-1.
ST2009-15	Mechanical strike plate. Fits where recesses were made for 1487-2.
ST2009-19	Mechanical strike plate. Fits where recesses were made for 1487-3.
ST2009-20	Mechanical strike plate. Fits where recesses were made for 1487-4.

ST1088-xx	ST1119	ST1283
-----------	--------	--------



- Microswitch unipolar changeover, max. 30 V DC, 1 A.
- Approved fire resistance class E/EI 120.
- Patented DirectDrive™ function which proves a direct operation.
- Integrated microswitch indicates closed and interlocked mode, as well as handle operation.
- A protective diode is built-in.
- Reversible for right- and left-hung doors.
- Convertible fail secure/fail safe function.
- Convertible electrical/mechanically connected side
- Designed for round and oval Scandinavian cylinders.
- Mandrel depth, 50 mm.
- Both return spring handles and non return spring handles are recommended.
- Halogen-free connection cable.



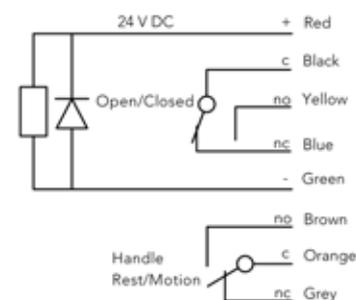
Dimensional drawing STEP 110.

## STEP 110 complete set

STEP 110 KPL is a complete set including STEP 110 solenoid handle lock, a lead cover and 10 m halogen-free connection cable.

STEP lead cover is made of stainless steel and fits both wooden, steel and aluminum doors. The spring has a wide inner diameter of 10.8 mm which facilitates the passage of the cable.

Art.no	Designation
ST110 KPL	Complete set. Incl. ST110, lead cover and 10 m cabel.
ST110-12 KPL	Complete set. Incl. ST110-12, lead cover and 10 m cabel.
ST112 KPL	Complete set. Incl. ST112, lead cover and 10 m cabel.
ST112-12 KPL	Complete set. Incl. ST112-12, lead cover and 10 m cabel.



Wiring diagram STEP 110.



# STEP 120

## – powerful performance, classic bold placement

STEP 120 is a durable solenoid handle lock in stainless steel with classic bolt placement and several flexible properties. The construction is designed with STEP's high quality requirements, which ensures a powerful performance with high reliability. Approved in fire resistance class E/EI 120.

STEP 120 comes with classic bolt placement and is available with or without split spindle function. If you select one of the products with split function, you can allow any side of the lock to be mechanically controlled.

Evacuation and high durability are assured by sturdy attachment of the mechanically controlled side and the split spindle function being secured by stainless steel and hardened parts.

### High flexibility with several selectable features

STEP 120 has several optional functions, such as door hanging, a fail secure/fail safe function as well as the choice of mechanically connected side. The lock is designed for simple installation with settings for the selectable functions easily accessible from the outside of the lock housing.

Integrated microswitches indicate closed and interlocked mode, as well as handle operation, for connection to access control systems.

### Meets both evacuation and fire safety requirements

With STEP emergency device 1 handle and STEP 120 solenoid handle lock you can ensure the escape requirements according to SS-EN 179. The same handle can thus be used for all passage from the inside.



**STEP**  
**120**  
100-SERIES



# ***STEP*** **EXIT**

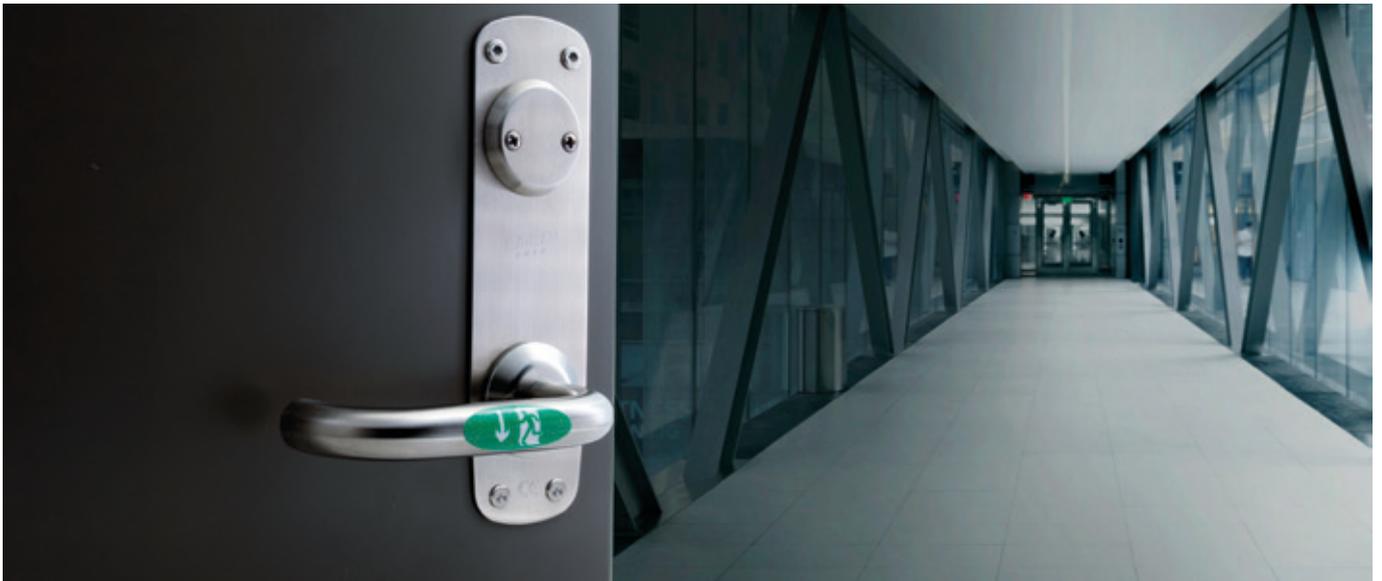
STEP Exit is our serie of emergency divices.  
All are made of stainless steel and are developed to be used with  
STEP 110 and STEP 120 solenoid handle locks. Certified in  
accordance with SS-EN 179:2008.



STEP  
LOCK



CE



## STEP Exit

– emergency exit device in stainless steel

STEP Exit is an emergency exit device in stainless steel adapted for single exit doors where you want to create a safe evacuation route with a simple one hand operation. Certified together with STEP 110 or STEP 120 according to SS-EN 179:2008.

STEP Exit has a very light and nice operation that makes it easy to push down the handle. It also has a reduced construction which means that you can mount STEP Exit in doors with A/B dimensions down to 20 mm without having to use a distance plate.

### Two different types of surface finishes

STEP Exit is made of stainless steel. Choose from polished or brushed surface finish.

STEP Exit is delivered as a pair and is reversible to fit both right- and left-hung doors. Delivered together with two decals with a luminous effect, to be attached to the handle.

### Wide range of use

With STEP 110 or STEP 120 solenoid handle locks all exits can be done from the inside with the same handle.

Fire-approved.

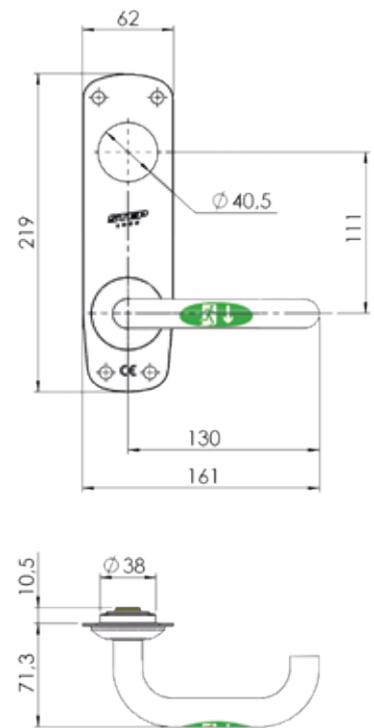


**STEP**  
EXIT

## Technical data

Art.no	Designation
ST17903	STEP Exit, emergency exit device. Polished stainless steel.
ST17904	STEP Exit, emergency exit device. Brushed stainless steel.

- Category of use: Grade 3.
- Durability: Grade 7.
- Door mass: Grade 7.
- Safety: Grade 1.
- Corrosion resistance: Grade 4
- Security: Grade 5 (5000 N).
- Projection of operating element: Grade 2 (projection up to 100 mm)
- Type of operation: Type A (lever handle).
- Field of door application: Category A.
- Fire approved.
- Designed for round and oval Scandinavian cylinders.



Dimensional drawing STEP Exit.



STEP Exit (ST17903) in polished stainless steel.



STEP Exit (ST17904) in brushed stainless steel.

# STEP Electrical and mechanical lock products

On the following pages we have collected our other electrical and mechanical locking products; surface mounted electric locks, automatic flush bolts, electric cabinet locks, electric locks for industrial doors, mechanical break protections and break protection faceplates for Scandinavian standards.



**STEP**  
Sienda ETAB





## STEP 8™

### – Surface mounted lock in minimal design

STEP 8 is a surface mounted lock that is quickly mounted directly on the frame. STEP's unique Preload technology, in combination with minimal dimensions and stainless steel, give STEP 8 reliable function with stylish design.



STEP 8 is a perfect solution for door environments where a lock is to be installed afterwards or where you do not want to install a recessed lock, for example, due to space considerations, in doors where there is asbestos or in doors with high cultural value.

The lock can be used as a replacement for magnetic locks and is combined with door automation and/or fire alarms. It can be mounted vertically or horizontally on both single and double doors.

#### **Wide range of applications**

STEP 8 consists of two sturdy parts, a hook mounted on the door leaf and an electrical strike in a bracket mounted directly on the underside of the frame.

Surface mounted installations are very easy. No changes need to be made to the existing recess.

Depending on where STEP 8 is supposed to be mounted there are two different supplementary accessories too choose from.

#### **Fail safe function for doors with evacuation requirements**

With the fail safe function, STEP 8 is used for evacuation doors with evacuation terminals or emergency opening buttons. The lock can withstand a preload of up to 150 kg, allowing safe evacuation. STEP 8 is also available with fail secure function.



## Technical data

### Power consumption with fail secure and fail safe functions

24 V DC + 15 % - 10 %	12 V DC + 15 % - 10 %
110 mAh / max 300 mA	220 mAh / max 600 mA

Power consumption 0 mA for rotating cam at rest (fail secure = locked, fail safe = unlocked)

Art.no	Designation
ST880	STEP 8. Fail secure function 24 V DC, incl. hook.
ST880-12	STEP 8. Fail secure function 12 V DC, incl. hook.
ST881	STEP 8. Fail safe function 24 V DC, incl. hook.
ST881-12	STEP 8. Fail safe function 12 V DC, incl. hook.
ST890	STEP 8. Fail secure function 24 V DC, incl. hook and angle bracket with house.
ST890-12	STEP 8. Fail secure function 12 V DC, incl. hook and angle bracket with house.
ST891	STEP 8. Fail safe function 24 V DC, incl. hook and angle bracket with house.
ST891-12	STEP 8. Fail safe function 12 V DC, incl. hook and angle bracket with house.
Art.no	Designation
ST870	Glass fitting.
ST860	Angle bracket, with house 90 degrees.
ST861	Angle bracket for sliding doors.
ST862	Angle bracket, with house 45 degrees.
ST863	Mounting plate for hook.
ST864	Hook.
ST9088	Distance plate.

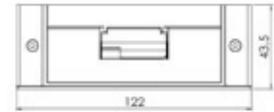


- Durability: Grade X per EN 14846.
- Corrosion: Grade M per EN 14846.
- Fail safe function adapted to requirements according to EN 13637.
- Microswitch unipolar changeover, max. 30 V DC, 1A.
- Built-in protective diode.
- Built-in indication for detection of whether the door is closed/open (bolt contact).
- Break resistance 9 kN (≈ 900 kg).
- Ensures opening despite preload up to 1,5 kN (≈ 150 kg) in fail secure and fail safe functions.
- Anti-hammer secured.
- Reversible to fit right- and left hung doors.

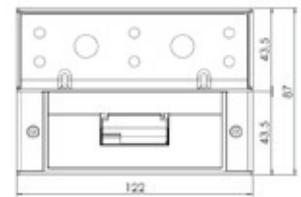
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 8 Secure is equipped with STEP's unique Preload technology that allows the door to unlock, even if subjected to pressures of up to 150 kg.

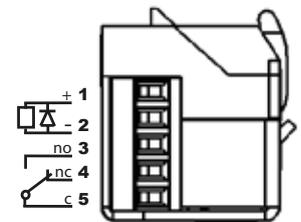
- **Seals and pressure differences** – The Preload function enables the door to always be unlocked even when the latch is tensioned against the electric strike.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that a fire alarm can release the lock, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 8.



Dimensional drawing STEP 8 with angular bracket.



Wiring diagram. Connections are made with screw terminal blocks.



STEP 8 with hook (ST880). For mounting under the frame.



STEP 8 (ST890) with hook and angle bracket with house.



ST870, glass fitting.



## STEP 21™ and 22™

### – Automatic flush bolts with Preload technology

STEP 21 and 22 are two automatic flush bolts for double doors where two door leaves are closed against each other. They are equipped with STEP's unique Preload technology that allows the door to open even if subjected to high pressure.

Automatic flush bolts are used on double doors that automatically lock when the two door leaves are closed against each other. The door leaf that closes first is called the passive door and the other is called the active door leaf.

#### Function

The automatic flush bolts are usually mounted on the upper and lower part of the passive door leaf, where you want the passive door leaf to lock automatically when the active door leaf is closed. The active door leaf is then automatically locked with a regular lock on the passive door leaf.

In the same way, automatic flush bolts are designed to automatically unlock the passive door leaf each time the active door leaf is opened.

#### For wooden, steel and aluminium doors

STEP 21 is designed for wooden or steel doors, STEP 22 is designed for aluminium doors.



**STEP**  
21

**STEP**  
22

## Technical data

Art.no	Designation
STEP 21	Designed for wooden or steel doors.
STEP 21DH*	Designed for Daloc doors, right hung doors.
STEP 21DV	Designed for Daloc doors, left hung doors.
STEP 21R-H	Designed for Robust steel doors, right hung doors.
STEP 21R-V	Designed for Robust steel doors, left hung doors.
STEP 22	Designed for aluminium doors.
Art.no accessories	Designation
ST953-1	Strike plate for STEP 21 and STEP 22.
ST953-2	Sliding plate for STEP 21 and STEP 22.

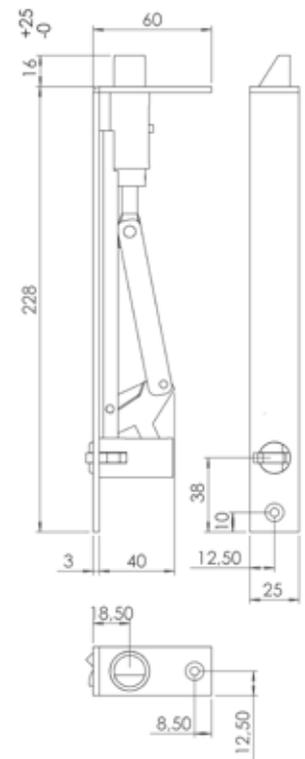
\* Cannot handle preload

- Steel material for fire doors.
- Deadbolt 16 mm.
- The deadbolt's throw is 16 mm.
- The deadbolt is adjustable + 25 mm.
- Guarantees opening despite preload.

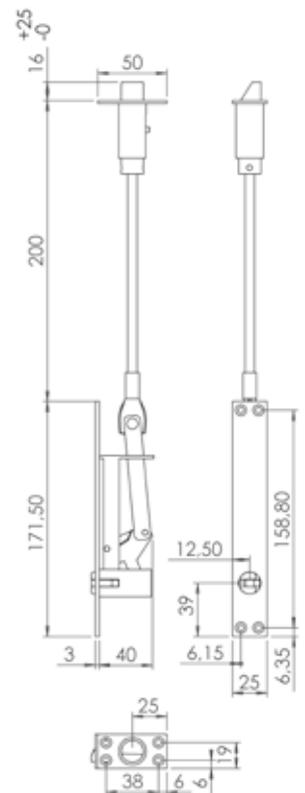
## STEP's unique Preload technology

A common problem is that a door is subjected to pressure, for example, because the door is a little skew or that gravel or snow has gathered at the doorstep. STEP 21 and 22 Secure are equipped with STEP's unique Preload technology that allows the door to unlock even if subjected to pressure.

- **Seals and pressure differences** – The Preload function enables the door to always be unlocked.
- **Door automation** – The Preload function combined with rapid unlocking means that the door opens quickly and without risk of becoming stuck.
- **Evacuation door** – The Preload function ensures that the passive door leaf can open, despite pressure against the door by crowds, seals, pressure differences or warped doors.



Dimensional drawing STEP 21.



Dimensional drawing STEP 22.



## STEP 35™

### – Compact and strong electric cabinet lock

STEP 35 is an electric cabinet lock specially designed for installation in various types of storage devices, such as shop furnishings, storage cabinets or medicine cabinets.

#### **Recessed electric lock for shop furnishings and cabinets**

STEP 35 is an electric cabinet lock with a front faceplate in stainless steel designed to be recessed directly into a cabinet end, without taking space from the cabinet's volume.

#### **Compact and strong**

STEP 35 can withstand high breaking forces and is reversible to fit different types of doors. The electric lock can be mounted horizontally or vertically, making it easier to find an appropriate location.

STEP 35 is available with a flat or angled faceplate.

#### **Indication of the door position**

The lock has a built-in microswitch that detects if the door is open or closed.



**STEP**  
**35**

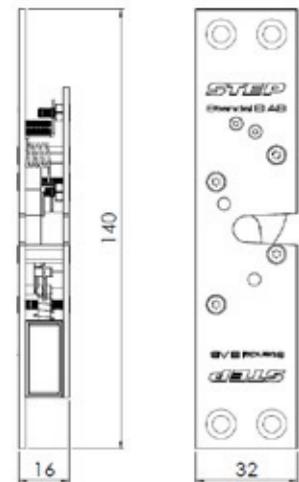
## Technical data

### Power consumption with fail secure and fail safe functions

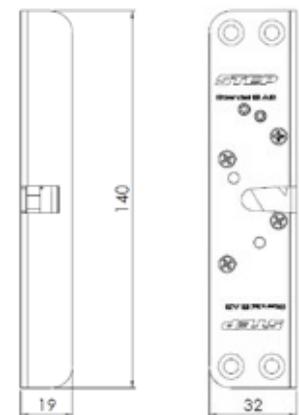
24 V DC + 10 % - 10 %	12 V DC + 10 % - 10 %
61 mA	124 mA

Art.no	Designation
ST202-B	Fail secure function 24 V DC, angled faceplate.
ST202-B-12	Fail secure function 12 V DC, angled faceplate.
ST202-D	Fail safe function 24 V DC, angled faceplate.
ST202-D-12	Fail safe function 12 V DC, angled faceplate.
ST203-E	Fail secure function 24 V DC, flat faceplate.
ST203-E-12	Fail secure function 12 V DC, flat faceplate.
ST203-F	Fail safe function 24 V DC, flat faceplate.
ST203-F-12	Fail safe function 12 V DC, flat faceplate.
Art.no accessories	Designation
ST210	Contact with pin for STEP 35.
ST211	Contact with pin for ST3500.
ST3500	Halogen-free connection cable, 5 m, including contact.

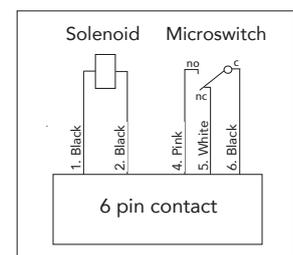
- Break resistance 4 kN (≈ 400 kg).
- Available with fail secure and fail safe functions.
- Material: Stainless steel.
- Faceplate in brushed stainless steel t = 2 mm.



Dimensional drawing STEP 35 with flat faceplate.



Dimensional drawing STEP 35 with angled faceplate.



Wiring diagram.



## STEP 36™

### – Electric cabinet lock with small dimensions

STEP 36 is an electric cabinet lock designed for, for example, medicine cabinets, storage boxes, shop furnishings or similar. Depending on the faceplate, the lock can be mounted as recessed or surface mounted.

#### **Minimal dimensions and many mounting options**

STEP 36 is an electric cabinet lock that requires minimal space and is very easy to install.

The lock is available with two different faceplates. An angled faceplate that can be recessed into the cabinet end and box for a surface mounting.

#### **Indication and door opener**

STEP 36 is also equipped with a microswitch that detects if the door is open or closed. The indicator arm also functions as an opening mechanism and opens the door after unlocking.



**STEP**  
**36**

## Technical data

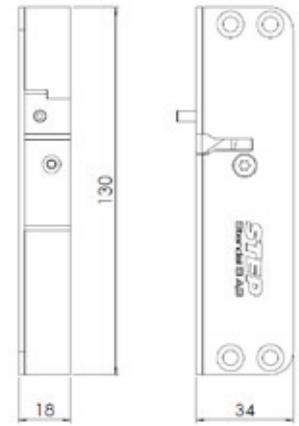
### Power consumption with fail secure and fail safe functions

24 V DC + 10 % - 10 %	12 V DC + 10 % - 10 %
230 mA	420 mA

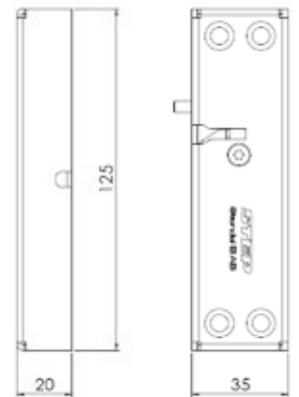
### Art.no Designation

ST3601	Fail secure function 24 V DC, angled faceplate.
ST3601-12	Fail secure function 12 V DC, angled faceplate.
ST3602	Fail secure function 24 V DC, surface mount.
ST3602-12	Fail secure function 12 V DC, surface mount.

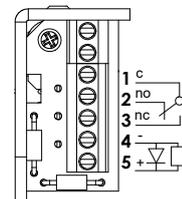
- Break resistance 4 kN (≈ 400 kg).
- Available with fail secure function.
- Material: Stainless steel.
- Faceplate in brushed stainless steel t = 2 mm.



Dimensional drawing STEP 36 with angled faceplate.



Dimensional drawing STEP 36 with box.



Wiring diagram.



## STEP 50™

### – Electric lock for industrial doors

STEP 50 is a high quality electric lock for industrial doors. The electrically locked doors are conveniently and securely controlled via, for example, an access control system.

#### **Reliability**

The lock is specially designed to withstand harsh environments such as garages and industrial premises.

#### **Security**

STEP 50 uses no power upon the locking, and only opens with power that can be disconnected immediately once the door leaves its closed position. The door status locked/unlocked and open/closed is detected by two microswitches. If the lock is connected to an alarm system, the alarm will be activated if the gate door is forced to open.

STEP 50 resists forces of 1000 kg.



**STEP**  
**50**

## Technical data

### Power consumption with fail secure function

24 V DC + 15 % - 10 %

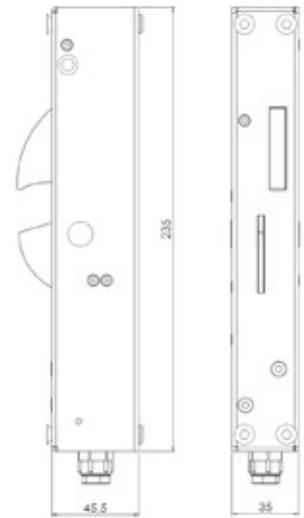
313 mA unlocked

Art.no	Designation
ST527	Electric lock for overhead sliding doors, including 5 metre cable.
Art.no accessories	Designation
ST527-1	Locking angle intended for vertical/high-lift port*
ST527-2	Locking angle intended for normal/high-lift port*
ST527-3	Euro cylinder including 2 keys.
ST527-5	Insert cassette for installation with ST527-2.
ST527-7	Lock sleigh intended for normal/low-lift port*
ST527-9	Lock sleigh intended for normal/low-lift port Hörmann*

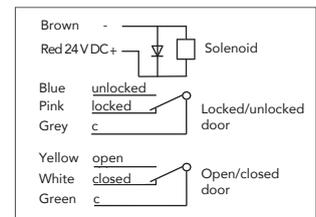
\* The different port systems can look very different and vary from port to port. We therefore recommend you to test different locking angles and locking sleighs to find the right solution for your assembly.



- Microswitch unipolar changeover, max. 30 V DC, 1 A.
- Built-in detection indication that the door is closed/open (bolt contact) and locked/unlocked (barrier contact) for connection to access control systems, alarm system, etc.
- Break resistance 10 kN (≈ 1000 kg).
- Built-in protective diode.
- Material: Lock case in stainless steel, lock latch in hardened steel.
- Halogen-free connection cable



Dimensional drawing STEP 50.



Wiring diagram.



# Break protection

## – Break protection for Scandinavian standards

STEP break protection increases security in the door environment by making it difficult for thieves to break in between the door and the frame. Break protection is made of stainless steel.

### Surface or recessed mounting

- Break protection 285 mm. Break protection covers the lock case and is mounted recessed into the door leaf.
- Break protection 2300 mm is available in two variants, one for recessed mounting in the door leaf, and one for surface mounting. Break protection can be trimmed if necessary.

A connecting break protection faceplate is sold separately.

### Break protection faceplates

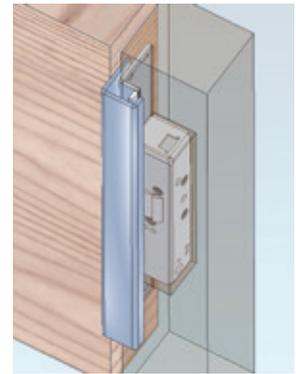
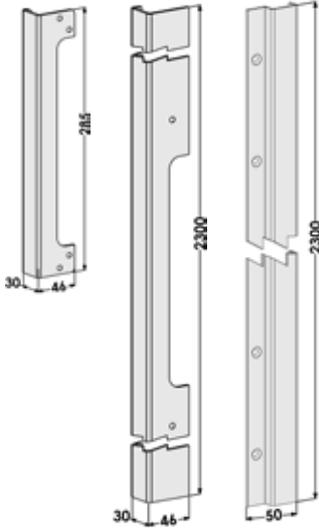
Break protection can be mounted together with faceplates for STEP 40/90 Preload, STEP 90 Release and STEP 60 Silent.



## Technical data

Art.no	Designation
ST6059	Break protection 258 mm, insert door chink (covers lock case).
ST6090	Break protection 2300 mm, insert outside door leaf (adapted to door length).
ST6095	Break protection 2300 mm, insert outside door chink (adapted to door length).

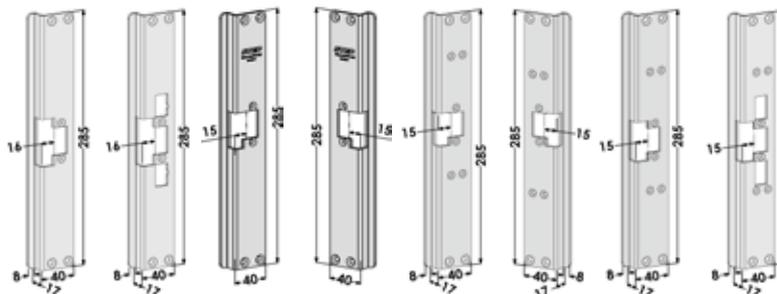
ST6059	ST6090	ST6095
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Recessed break protection mounted with electric strike and break protection faceplate.

Art.no	Designation
ST4063	Break protection faceplate right/left for Connect single latch. For use with STEP 40/90/48/89 Preload or STEP 90 Release.
ST4163	Break protection faceplate right/left for Connect double latch. For use with STEP 40/90/48/89 Preload or STEP 90 Release.
ST4065H	Break protection faceplate right for Modular/Narrow. For use with STEP 40/90 Preload or STEP 90 Release.
ST4065V	Break protection faceplate left for Modular/Narrow. For use with STEP 40/90 Preload or STEP 90 Release.
ST6549	Break protection faceplate right for Modular/Narrow. For use with STEP 60 Silent.
ST6550	Break protection faceplate left for Modular/Narrow. For use with STEP 60 Silent.
ST6563	Break protection faceplate left/right for Connect single latch. For use with STEP 60 Silent.
ST6564	Break protection faceplate left/right for Connect double latch. For use with STEP 60 Silent.

ST4063	ST4163	ST4065H	ST4065V	ST6549	ST6550	ST6563	ST6564
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# STEP Lock solutions solves both everyday and complex problems

Some door environments require more than others. Thanks to our broad product assortment, we can offer complex combination solutions, such as evacuation and safe return with fire protection and accessibility in the same door environment. It is now possible to deal with problems that have traditionally been difficult to resolve.



**STEP**  
Scence E I A B  
ST4035

ST4035  
Scence E I A B  
**STEP**



# Resistant escape solution

## – A night locking solution with evacuation capabilities

RES is a locking solution based on a combination of electric strike STEP 60 Silent and STEP 18 Secure. The solution is intended for workplaces with varied working hours where staff must be able to evacuate even after security has been increased at night.

### Night locking supplemented by day lock

The solution is based on the use of STEP 60 Silent as the day lock and 18 Secure as the night lock. Daytime the day lock is active and unlocked with an opening button or a reader, while the night lock is inactive. Nighttime security is raised and both locks are activated. The night lock can then be controlled so that it also unlocks:

- Upon single-action opening of the mechanical evacuation lock
- Upon activated fire alarm
- Via emergency evacuation button

In this way it is possible to both increase security at night and at the same time be able to evacuate the premises in case of emergency.



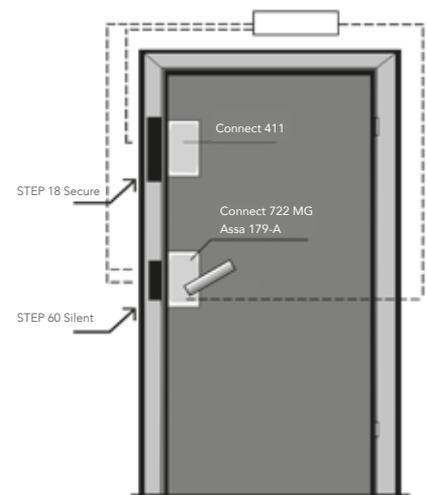
**STEP**  
**60**  
SILENT

**STEP**  
**18**  
SECURE

## Included lock products

Day lock		
Electric strike with fail secure function	Door locks for opening under pressure	Door locks for pull handles
STEP 60 Silent	Assa 722-MG + 179-A	Assa 732-MG + 179-B
Night locks		
Electric strike with fail safe function	Door locks	RC class due to EN1627
STEP 18 Secure	Assa 411	-
STEP 18 Secure	Assa 511 *	RC3, RC4

\* For more information about doors and locking devices, see page 113.



RES is a combination of the day lock STEP 60 Silent and the night lock STEP 18 Secure.

## Security is increased during the evening and night or around the clock

The day lock is locked between the entries and exits during the day and can always be opened via the emergency handle or the emergency opening button. In the evening and night the door is complemented with a fail safe deadbolt electric strike. The door can always be opened from the inside, even if security is increased from the outside. This means that people who remain on the premises can always evacuate if necessary.

## RES function description

### Daytime

- Daytime the day lock is active and the night lock is inactive (no power).
- An opening button or reader is used for passage.

### Emergency opening daytime

- Emergency opening is with the emergency handle.

### Nighttime

- The day lock and night lock are active.
- The night lock and day lock are opened via an opening button or reader.

### Night opening at night

- Emergency opening is with the emergency handle.
- The night lock is unlocked when the microswitch in the day lock is triggered via the emergency handle.
- The night lock locks again when the door is closed (selection depending on re-entry requirements).

### Option

- Opening of the night lock via a central fire alarm system.
- Opening of the night lock via an emergency opening button.

### To keep in mind

- Alarm bypassing via emergency handle, internal alarm.
- Power failure alarm when the night lock is locked via battery backup.

### Fire cell limits

- The solution may be used in conjunction with approved doors up to fire resistance class E/EI 60.



## Solution for door environments with many requirements

In a hospital environment, there are high demands on the door environment. Unauthorised persons must be prevented from entering, it must be easy for healthcare staff to come and go, and at the same time, high patient safety must be maintained. The equipment must be able to handle evacuation, re-entry, fire safety requirements, intrusion requirements and automatic control.

Problems are often encountered with traditional locks when combining these requirements. Problems occur each time someone uses the door's emergency device without there being an emergency. The door will then be completely unlocked and must be reset manually each time.

### **Solution for doors with or without door automation**

STEP's solution can handle the above requirements. For doors with door automation, the solution is based on a combination of electric strike STEP 92 Preload and a double latch lock with a handle. The electric strike takes care of access, fire requirements, re-entry after evacuation and door automation, while the double latch lock handles exit and evacuation from the inside. For doors without door automation, STEP 90 Preload is used instead.

STEP 90 and 92 Preload manage preload and can open despite a load of up to 40 kg.

### **A major advantage is that all doors are used in the same way**

Being able to use the same function with both doors with and without door automation ensures that all premises doors can be used in the same way, which is an important aspect from the safety point of view.

The solution is intended for hospitals but works equally well in other types of door environments.



**STEP**  
**90**  
PRELOAD

**STEP**  
**92**  
PRELOAD

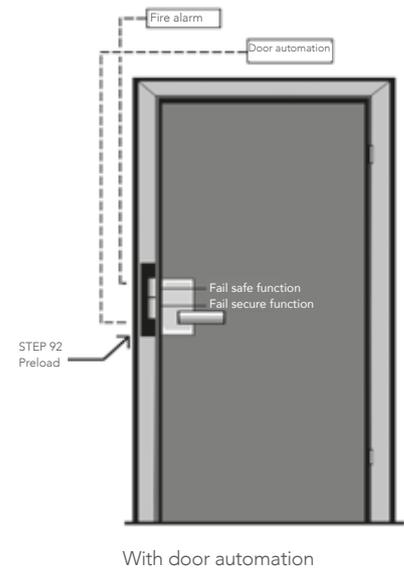
## Included lock products

Included lock products for door automation		
<b>Electric strike with fail secure/fail safe function</b>	<b>Door lock for exit via lever handle and re-entry via fire alarm</b>	<b>Door lock for emergency fittings and re-entry via fire alarm</b>
STEP 92 Preload	Assa 622 (optional handle)	Assa 722 * (emergency fittings 179-F)
STEP 92 Preload	Assa Modular 509 (optional handle)	Assa 722 * (emergency fittings 179-F)

Included lock products without door automation		
<b>Electric strike with fail safe function</b>	<b>Door lock for exit via lever handle and re-entry via fire alarm</b>	<b>Door lock for emergency fittings and re-entry via fire alarm</b>
STEP 90 Preload	Assa 622 (optional handle)	Assa 722 * (emergency fittings 179-F)
STEP 90 Preload	Assa Modular 509 (optional handle)	Assa 722 * (emergency fittings 179-F)

\* Exit via handle, unlocking via timer or open button.



## Unauthorised persons cannot enter, while there is always the capability to evacuate

The door can always be opened from the inside and locks again after each passage, even if the emergency opening device has been used. People who are on the premises can therefore always evacuate if necessary, while unauthorised persons cannot enter.

If the fire alarm is activated, power to the electric strike is disconnected. The door can then also be opened from the outside, which means, for example, that emergency rescue personnel can enter.

### Functional description with door automation

#### Entry

- Entry after code or tag via elbow switch or handle.
- Alternatively:
- Entry during the day via elbow switch or handle. In the evenings, a code or tag is required.

#### Exit

- Exit via elbow switch or handle.

#### Emergency opening

- Emergency opening is by pressing the handle in a downward direction.
- Alternatively:
- Emergency opening with emergency handle per EN 179.

#### Re-entry

- Re-entry is with an external handle after an activated fire alarm connected to the upper locking in STEP 92 Preload.

#### Fire cell limits

- The solution can be used in conjunction with approved doors in the highest fire resistance class E/EI 120.

### Function description without door automation

#### Entry

- Entry after code or tag via handle. Alternatively:
- Entry during daytime via handle. In the evenings, a code or tag is required.

#### Exit

- Exit via a handle.

#### Emergency opening

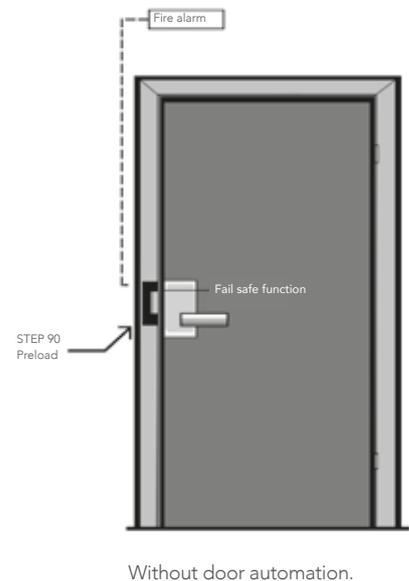
- Emergency opening is by pressing the handle in a downward direction.
- Alternatively:
- Emergency opening with emergency handle per EN 179.

#### Re-entry

- Re-entry is via an external handle after an activated fire alarm connected to STEP 90 Preload.

#### Fire cell limits

- The solution can be used in conjunction with approved doors in the highest fire resistance class E/EI 120.





## Solution for security doors

RC-classified electric strike STEP 18 Secure™ is approved for use in Stålprofil's security doors in class RC3 and RC4, and in Hellberg's class RC3 doors. The tests are made by RISE according to the standard SS-EN 1627.

To be approved, the door must pass a sharp test together with its mounted locking devices. The tests should correspond to different types of burglary attempts and show that the door and its fittings can withstand the type of burglary it is designed to manage.

The tests are executed by the independent control organ RISE (formerly SP) according to the content of the standard SS-EN 1627, which is valid in Sweden and Europe for class division of the door's burglar protection with mounted locking devices.

- Class RC3 - the door and its mounted locking devices can withstand a burglary attempt with 5 minutes active attack time.
- Class RC4 - the door and its mounted locking devices can withstand a burglary attempt with 10 minutes active attack time.

### RC-classified STEP 18 Secure for security doors

STEP 18 Secure, with article number listed on next page, is a reinforced electric strike special designed for security doors. It has been tested and approved in conjunction with Stålprofil's security doors in RC3 and RC4, and in Hellberg's RC3 doors.



**STEP**  
**18**  
SECURE

## High security, reliability and flexibility with STEP 18 Secure

STEP 18 Secure combines high durability and intrusion protection with reliability and flexibility. Suitable for high frequency used doors which should be locked between each passage.

- The electric strike can be used in fail secure function in facilities with low requirements for evacuation. Due to the recommendations of the Swedish Fire Protection Association, this is facilities where about 10 people are staying at the same time, and where everyone has very good local knowledge and access to a key.
- The electric strike can be used in fail safe function in facilities with a higher level of evacuation requirements, provided that the cable is hidden and can not be accessed during a burglary attempt. STEP 18 Secure can then be unlocked with an evacuation terminal/button. During daytime, the evacuation route can also be ensured by unlocking STEP 18 Secure against essential function.
- To get a door retaining function, add one extra latch lock.
- To handle door automation, add an optionally electric strike to the extra latch lock. To keep the door retaining function, a fire resistant electric strike is required, e.g. STEP 90 Preload or STEP 60 Silent.



The picture shows STEP 18 Secure mounted together with Stålprofil in a sharp burglary test at RISE.

## Locking devices

The hookbolt electric strike STEP 18 Secure is designed for use together with the Scandinavian standard mechanical lock Assa 511.

### Locking devices for Stålprofil

- For RC3, **one** STEP 18 Secure is required in Stålprofil system 57000, 59000, 77000 or 79000.
- For RC4, **two** STEP 18 Secure is required in Stålprofil system 57000, 59000, 77000 or 79000.

Many door manufacturers make steel doors according to the Stålprofil system. You find them at [www.stalprofil.se](http://www.stalprofil.se) under the tabs Kontakt, Tillverkare i Sverige.

### Locking devices for Hellbergs doors

- For RC3, **one** STEP 18 Secure is required in Hellbergs HI-SD-RC3.

### Included locking products

Electric strike	Door hanging	Function	Lock case
ST180-AS*	Left	Fail secure	Assa 511
ST180-BS*	Right	Fail secure	Assa 511
ST181-AS* **	Left	Fail safe	Assa 511
ST181-BS* **	Right	Fail safe	Assa 511

\* 24 V DC is standard. For 12 V DC connection, add "12", for example ST180-AS12.

\*\* The cable must be hidden and may not be accessed in case of a burglary attempt.

Faceplate	Designation
ST1805-A	Flat reinforced faceplate, left. For Stålprofil system.
ST1805-B	Flat reinforced faceplate, right. For Stålprofil system.
ST1882-A	Flat reinforced faceplate, left. For Hellbergs door HI-SD-RC3.
ST1882-B	Flat reinforced faceplate, right. For Hellbergs door HI-SD-RC3.



## Solution for apartment buildings

STEP electric strikes are equipped with a unique Preload technology that increases the operational reliability in all types of door environments. The products in the Preload-series are, thanks to their small dimensions, high quality and the Preload technology especially suitable for apartment buildings.

In many apartment buildings, it is a common problem for the lock to begin jamming when the door is subjected to pressure. Oftentimes, the property manager must identify the problem and restore the door's function. The reason for this kind of downtime may be due to many different reasons, such as:

- The door has become a little skew
- Pressure arises from the sealing strips
- Snow or gravel have gathered at the threshold
- Temperature differences on the inside and outside of the door
- The door automatics do not sync properly with the lock

### **Operational reliability that works in reality**

To prevent this kind of problem, all STEP electric strikes are equipped with a unique Preload technology. The patented technical solution ensures that the door can work normally, even when exposed to pressure, and regardless of what the pressure is caused by. STEP electric strikes simply withstand the stresses a door normally is subjected to.



**STEP**

**PRELOAD SERIES**

## STEP Preload – the perfect choice for apartment buildings

The Preload-series consists of six electric strikes suitable for door environments with normal safety requirements, which include, for example, most apartment buildings.

### Sturdy constructions with minimal dimensions

The Preload products have a high breaking strength and have been tested to withstand a high opening frequency. The sturdy constructions have minimal measurements and a high proportion of stainless steel which gives them a high degree of corrosion protection. In combination with the Preload technology, these properties make them suitable for all types of door environments in apartment buildings, such as entrance doors, storage rooms, laundry rooms, bicycle rooms and other public areas.

- **STEP 30 Preload** - With small dimensions that fit into existing recesses for simple electric strikes.
- **STEP 40 Preload** - Ordinary locking for normal safety requirements.
- **STEP 90 Preload** - Fire approved electric strike with minimal dimensions.
- **STEP 48 Preload** - Electric strike with a fixed cut-out for mechanical deadbolt.
- **STEP 98 Preload** - Fire approved electric strike with fixed cut-out for mechanical deadbolt.
- **STEP 92 Preload** - Double rotating cams for doors with door automation.

### STEP 60 Silent raises the intrusion security

When there is a need to raise the intrusion safety even further, for example in storages rooms or bicycle storage, STEP 60 Silent is a suitable alternative. This powerful electric strike is equipped with a barrier contact, an electrically operated anti-hammer function and withstands a higher breaking strength. This altogether provides a high level of intrusion safety.

If necessary, the door environment can also be supplemented with a STEP break protection.

### Faceplates and accessories

STEP offers a wide range of stainless steel faceplates for all types of door frames to choose from. We are constantly developing our assortment of faceplates and other accessories so that there always will be possible to find a solution for your needs.

## STEP in Stockholmshem

One of our satisfied customers is Stockholmshem, Stockholm's largest housing company. They have installed a large number of STEP electric strikes in both entrance doors and doors to common areas. In addition, they chose to install the same type of electric strikes in all the doors, which has great advantages in assembly, operation and maintenance.



STEP 30 Preload



STEP 40 and 90 Preload



STEP 48 and 98 Preload



STEP 92 Preload



STEP 60 Silent

# Faceplate assortment

## Faceplates, accessories and reinforcement plates Scandinavian standards

STEP 30 Preload.....	96
STEP 40/90/48/98 Preload and STEP 90 Release.....	100
STEP 48/98 Preload .....	107
STEP 92 Preload and STEP 92 Release .....	108
STEP 29 Silent .....	116
STEP 60 Silent .....	117
STEP 15 Secure .....	124
STEP 18 Secure .....	125
STEP 28E Secure.....	130

## Faceplates and accessories Euro DIN standards

STEP 30 Preload.....	96
STEP 18 Secure .....	125
STEP 28E Secure.....	130

*When it has to work.*



# Faceplates and accessories

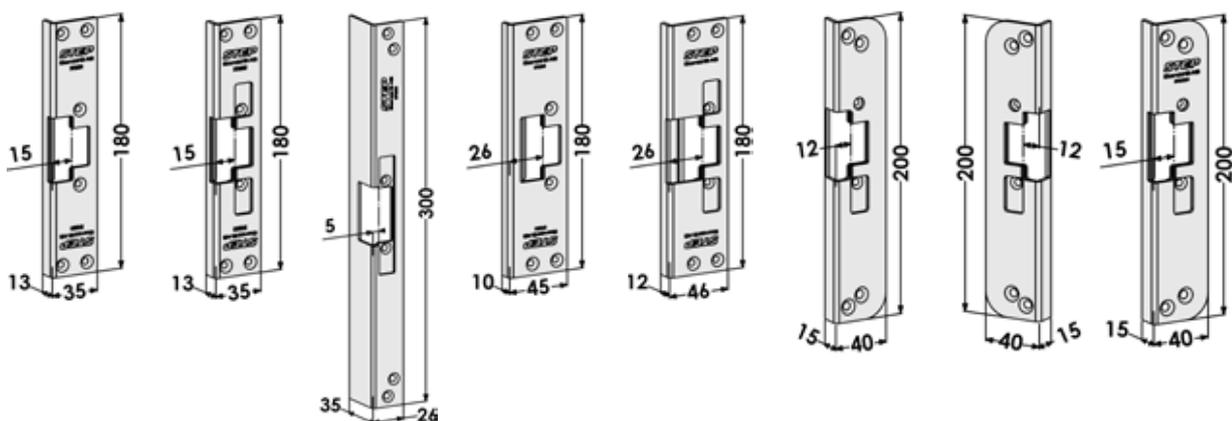
Here you will find a wide range of the available faceplates for each electric strike. We are constantly developing our range of faceplates. Find the latest updates on [www.steplock.com](http://www.steplock.com)

## Faceplates and accessories for STEP 30 Preload

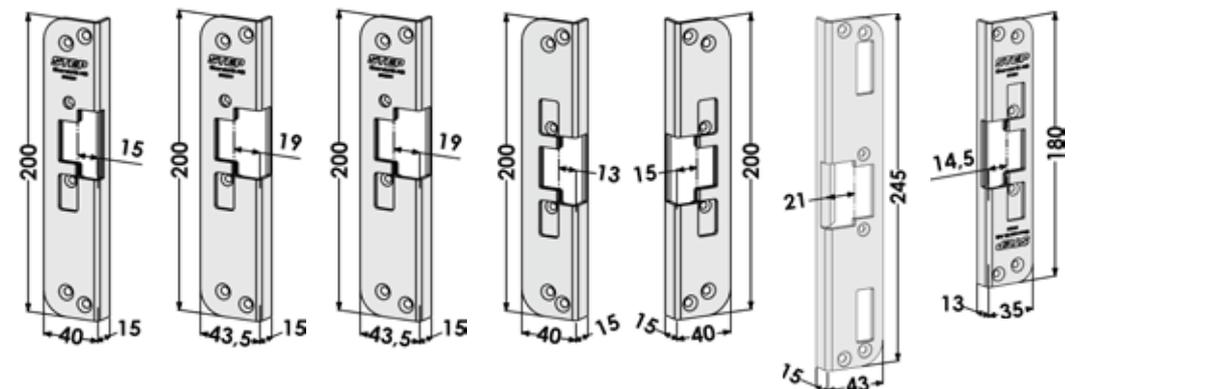
### Angled faceplates in stainless steel for STEP 30 Preload

Article no.	Designation	Dimensions	Lip width
ST3501	Angled faceplate corresponding to 510.	180x35x13	15 mm
ST3502	Angled faceplate corresponding to 511.	180x35x13	15 mm
ST3505	Angled faceplate corresponding to 512.	300x26x35	5 mm
ST3506	Angled faceplate corresponding to 520.	180x46x10	26 mm
ST3507	Angled faceplate corresponding to 521.	180x46x12	26 mm
ST3525H	Angled faceplate corresponding to security strike plate 1887-1.	200x40x15	12 mm
ST3525V	Angled faceplate corresponding to security strike plate 1887-1.	200x40x15	12 mm
ST3526H	Angled faceplate corresponding to security strike plate 1887-2.	200x40x15	15 mm
ST3526V	Angled faceplate corresponding to security strike plate 1887-2.	200x40x15	15 mm
ST3527H	Angled faceplate corresponding to security strike plate 1887-3.	200x40x15	19 mm
ST3527V	Angled faceplate corresponding to security strike plate 1887-3.	200x45x15	19 mm
ST3532-1	Angled faceplate corresponding to security strike plate 1487-1.	200x40x15	13 mm
ST3532-2	Angled faceplate corresponding to security strike plate 1487-2.	200x40x15	15 mm
ST3545	Angled faceplate in acid-proof steel. Adapted to MSL DIN 1953.	245x43x15	21 mm
ST3551	Angled faceplate corresponding to 511T.	180x35x13	14.5 mm

ST3501    ST3502    ST3505    ST3506    ST3507    ST3525H    ST3525V    ST3526H

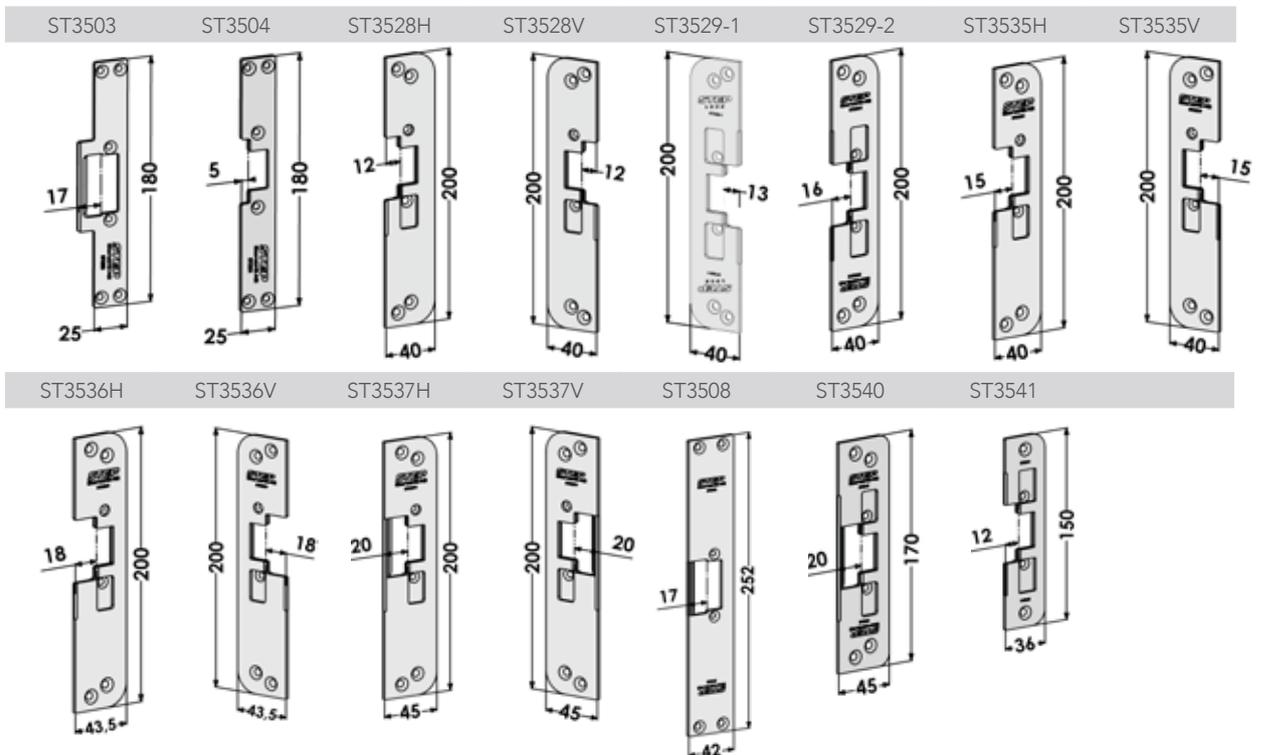


ST3526V    ST3527H    ST3527V    ST3532-1    ST3532-2    ST3545    ST3551



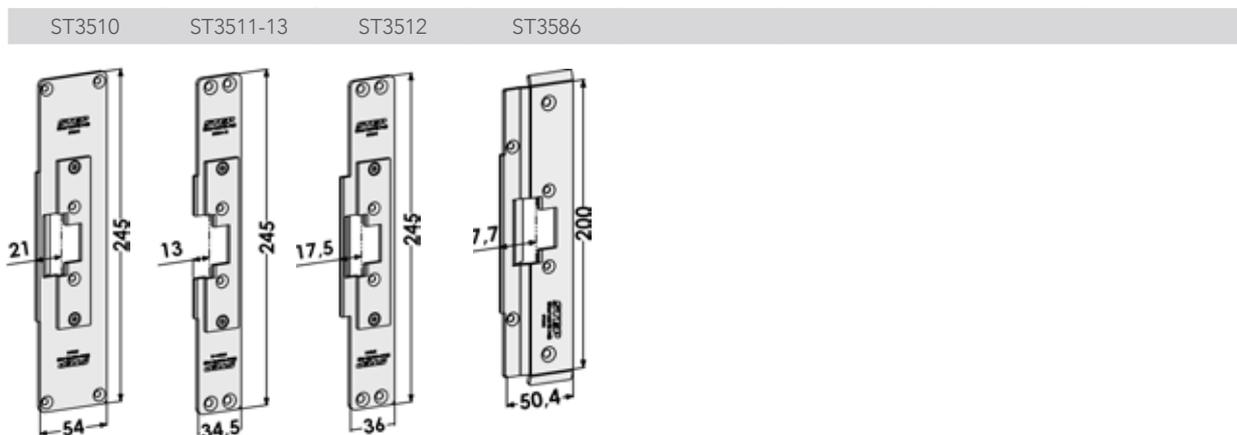
## Flat faceplates in stainless steel for STEP 30 Preload

Article no.	Designation	Dimensions	Lip width
ST3503	Flat faceplate corresponding to 507.	180x25	17 mm
ST3504	Flat faceplate corresponding to 505.	180x25	5 mm
ST3508	Flat faceplate corresponding to 528.	252x42	17 mm
ST3528H	Flat faceplate corresponding to security strike plate 1887-1.	200x40	12 mm
ST3528V	Flat faceplate corresponding to security strike plate 1887-1.	200x40	12 mm
ST3529-1	Flat faceplate corresponding to security strike plate 1487-1.	200x40	13 mm
ST3529-2	Flat faceplate corresponding to security strike plate 1487-2.	200x40	16 mm
ST3535H	Flat faceplate corresponding to security strike plate 1887-2.	200x40	15 mm
ST3535V	Flat faceplate corresponding to security strike plate 1887-2.	200x40	15 mm
ST3536H	Flat faceplate corresponding to security strike plate 1887-3.	200x40	18 mm
ST3536V	Flat faceplate corresponding to security strike plate 1887-3.	200x40	18 mm
ST3537V	Flat faceplate corresponding to security strike plate 1887-4.	200x40	20 mm
ST3537H	Flat faceplate corresponding to security strike plate 1887-4.	200x40	20 mm
ST3540	Flat faceplate.	170x45	20 mm
ST3541	Flat faceplate corresponding to standard strike plate 1264-1.	150x36	12 mm



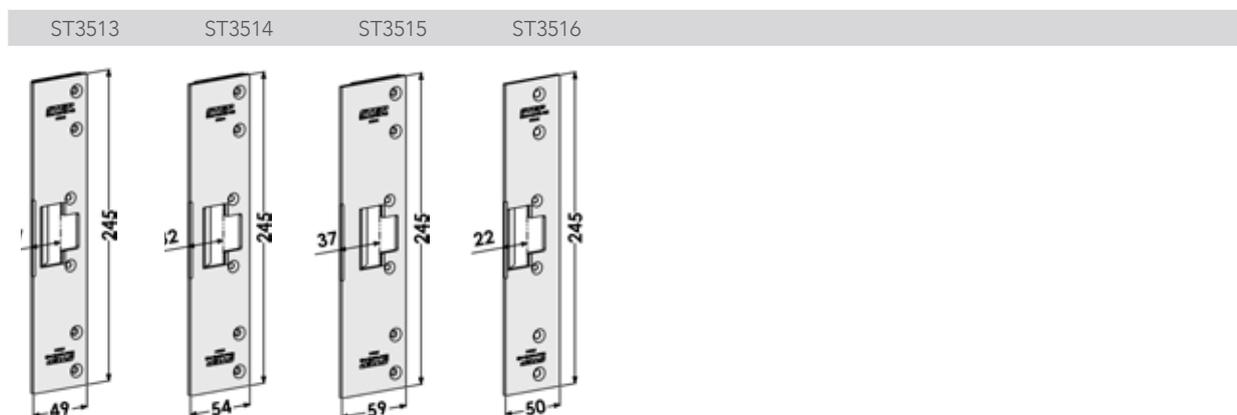
### Stainless steel faceplate adapted for Sapa system

Article no.	Designation	Dimensions	Lip width
ST3510	Faceplate adapted for Sapa 2074.	245x54	21 mm
ST3511-13	Faceplate adapted for Sapa 2050.	245x34.5	13 mm
ST3512	Faceplate adapted for Sapa 2060.	245x36	17.5 mm
ST3586	Faceplate adapted for Sapa 2086.	200x50.4	27.7 mm



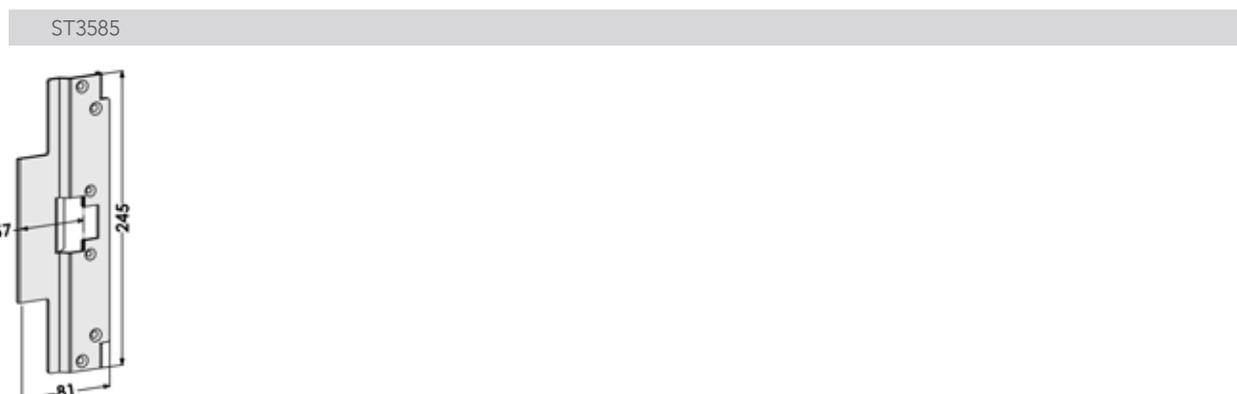
### Stainless steel faceplate adapted for Schüco system

Article no.	Designation	Dimensions	Lip width
ST3513	Faceplate adapted for ADS 65.	245x49	27 mm
ST3514	Faceplate adapted for Schüco ADS 70.	245x54	32 mm
ST3515	Faceplate adapted for Schüco ADS 75.	245x59	37 mm
ST3516	Faceplate adapted for Schüco ADS 80.	245x50	22 mm



### Stainless steel faceplate adapted for Aluprof system

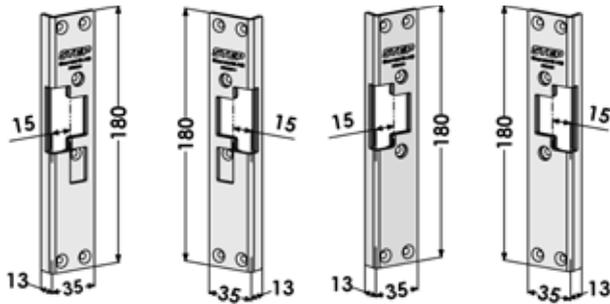
Article no.	Designation	Dimensions	Lip width
ST3585	Faceplate adapted for Aluprof MB-104.	245x81	57 mm



## Replacement faceplates in stainless steel for STEP 30 Preload

Article no.	Designation	Dimensions	Lip width
ST3539H	Faceplate right for replacement of Connect latch lock to Modular latch lock with existing recess in the frame for example for faceplate 511.	180x35x13	15 mm
ST3539V	Faceplate left for replacement of Connect latch lock to Modular latch lock with existing recess in the frame for example for faceplate 511.	180x35x15	15 mm
ST3543H	Faceplate right for replacement of Connect latch lock to Modular latch lock with existing recess in the frame for example for faceplate 511. For single latch lock.	180x35x15	15 mm
ST3543V	Faceplate left for replacement of Connect latch lock to Modular latch lock with existing recess in the frame for example for faceplate 511. For single latch lock.	180x35x15	15 mm

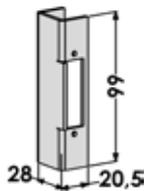
ST3539H	ST3539V	ST3543H	ST3543V
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## Cover box in stainless steel

Article no.	Designation	Dimensions	Lip width
ST3076	Cover box that can be used instead of electric strikes to obtain a mechanical function. Can be used together with all STEP 30 Preload faceplates.	99x20.5x28	

ST3076
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## Halogen-free connection cable for Scandinavian and Euro DIN standards

Article no.	Designation
ST4016	Halogen-free connection cable, 7 m for STEP 30/40/90/48/98 Preload and STEP 90 Release.
ST4016-10	Halogen-free connection cable, 10 m for STEP 30/40/90/48/98 Preload and STEP 90 Release.

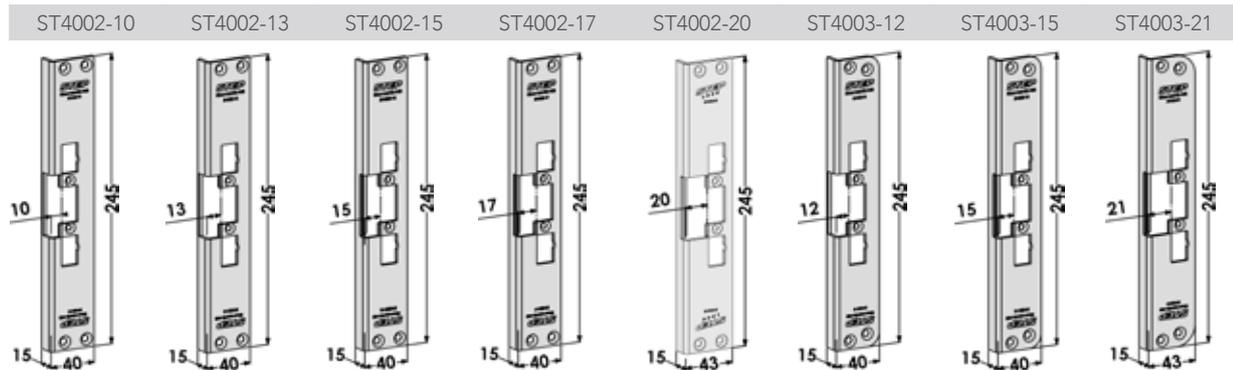
## Screw kit for Scandinavian and Euro DIN standards

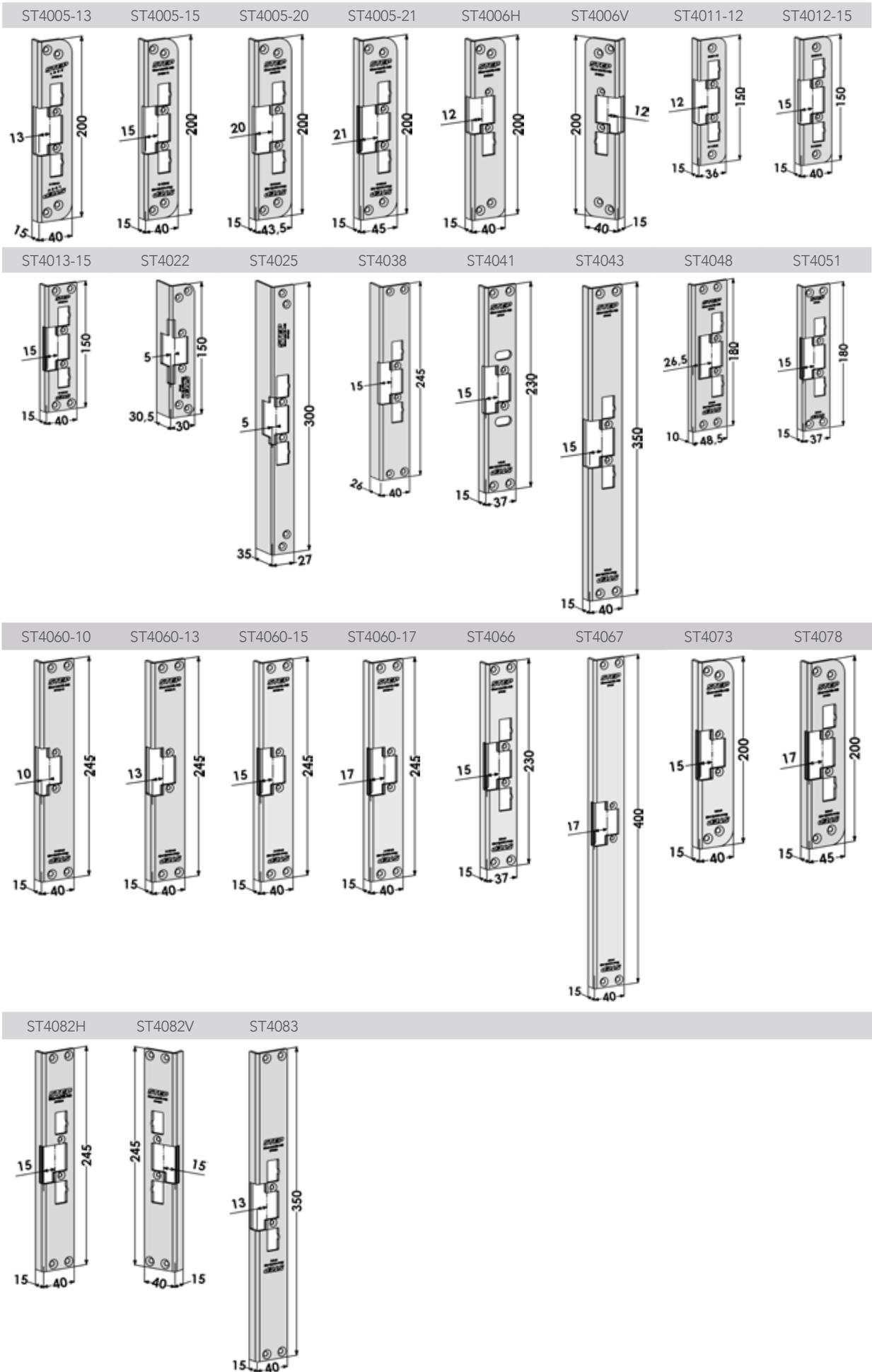
Article no.	Designation
ST4090S	Screw kit for STEP 30/40/90/48/98 Preload and STEP 90 Release.

# Faceplates and accessories for STEP 40/90/48/98 Preload and STEP 90 Release

## Angled faceplates in stainless steel for STEP 40/90/48/98 Preload and STEP 90 Release

Article no.	Designation	Dimensions	Lip width
ST4002-10	Angled faceplate.	245x40x15	10 mm
ST4002-13	Angled faceplate corresponding to ST6514.	245x40x15	13 mm
ST4002-15	Angled faceplate corresponding to ST6504/730.	245x40x15	15 mm
ST4002-17	Angled faceplate.	245x40x15	17 mm
ST4002-20	Angled faceplate.	245x40x15	20 mm
ST4003-12	Angled faceplate corresponding to ST6518/730T.	245x40x15	12 mm
ST4003-15	Angled faceplate corresponding to ST6515/730T.	245x40x15	15 mm
ST4003-21	Angled faceplate corresponding with rounded corners.	245x43x15	21 mm
ST4005-13	Angled faceplate corresponding to security strike plate 1487-1.	200x40x15	13 mm
ST4005-15	Angled faceplate corresponding to security strike plate 1487-2.	200x40x15	15 mm
ST4005-20	Angled faceplate corresponding to security strike plate 1487-3.	200x43.5x15	20 mm
ST4005-21	Angled faceplate corresponding to security strike plate 1487-4.	200x45x15	21 mm
ST4006H	Angled faceplate right corresponding to security strike plate 1887-1.	200x40x15	12 mm
ST4006V	Angled faceplate left corresponding to security strike plate 1887-1.	200x40x15	12 mm
ST4011-12	Angled faceplate rounded corners corresponding to standard strike plate 1264.	150x36x15	12 mm
ST4012-15	Angled faceplate rounded corners.	150x40x15	15 mm
ST4013-15	Angled faceplate.	150x40x15	15 mm
ST4022	Angled faceplate for single latch lock.	150x30x30.5	5 mm
ST4025	Angled faceplate corresponding to faceplate 512.	300x27x35	5 mm
ST4038	Angled faceplate corresponding to 725.	245x40x26	15 mm
ST4041	Angled faceplate for single latch lock corresponding to ST6508/824.	230x37x15	15 mm
ST4043	Angled faceplate for single and double latch lock Modular/Connect.	350x40x15	15 mm
ST4048	Angled faceplate.	180x48,5x10	26,5 mm
ST4051	Angled faceplate.	180x37x15	15 mm
ST4060-10	Angled faceplate for single latch lock.	245x40x15	10 mm
ST4060-13	Angled faceplate for single latch lock.	245x40x15	13 mm
ST4060-15	Angled faceplate for single latch lock. Corresponding to 732. Replaces ST4046.	245x40x15	15 mm
ST4060-17	Angled faceplate for single latch lock.	245x40x15	17 mm
ST4066	Angled faceplate for double latch corresponding to ST6508/824.	230x37x15	15 mm
ST4067	Angled faceplate for single latch lock.	400x40x15	17 mm
ST4073	Angled faceplate corresponding to security strike plate 1487-2 but with angle. For single latch lock.	200x40x15	15 mm
ST4078	Angled faceplate with rounded corners.	200x45x15	17 mm
ST4082H	Angled faceplate right.	245x40x15	15 mm
ST4082V	Angled faceplate left.	245x40x15	15 mm
ST4083	Angled faceplate. Corresponding to ST4043 but with lip width 13 mm.	350x40x15	13 mm

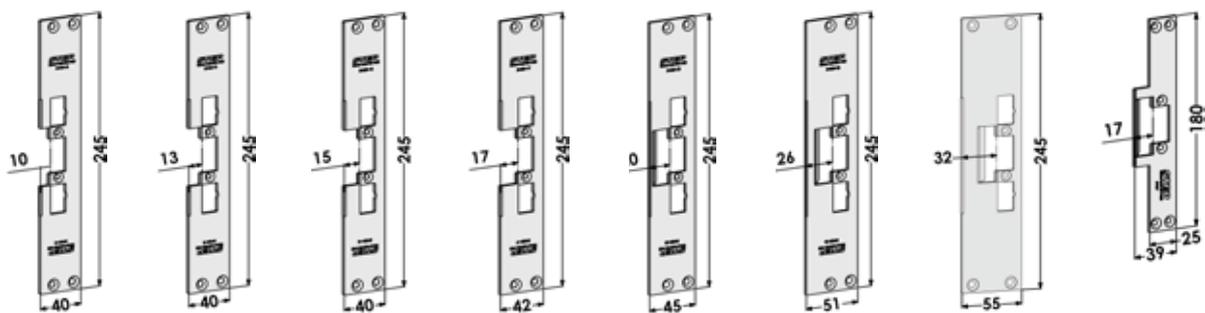




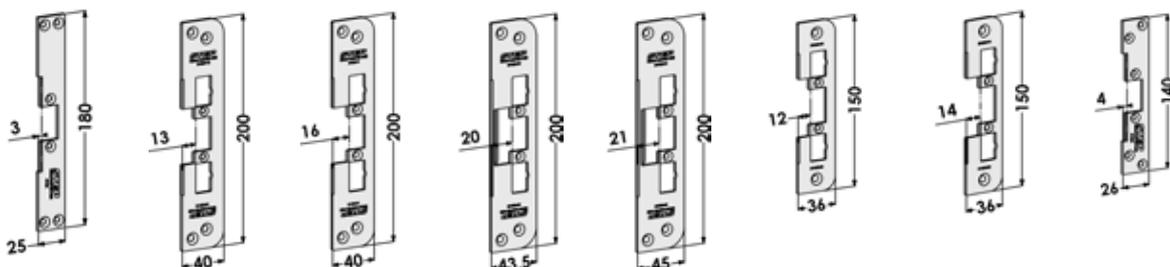
## Flat faceplates in stainless steel for STEP 40/90/48/98 Preload and STEP 90 Release

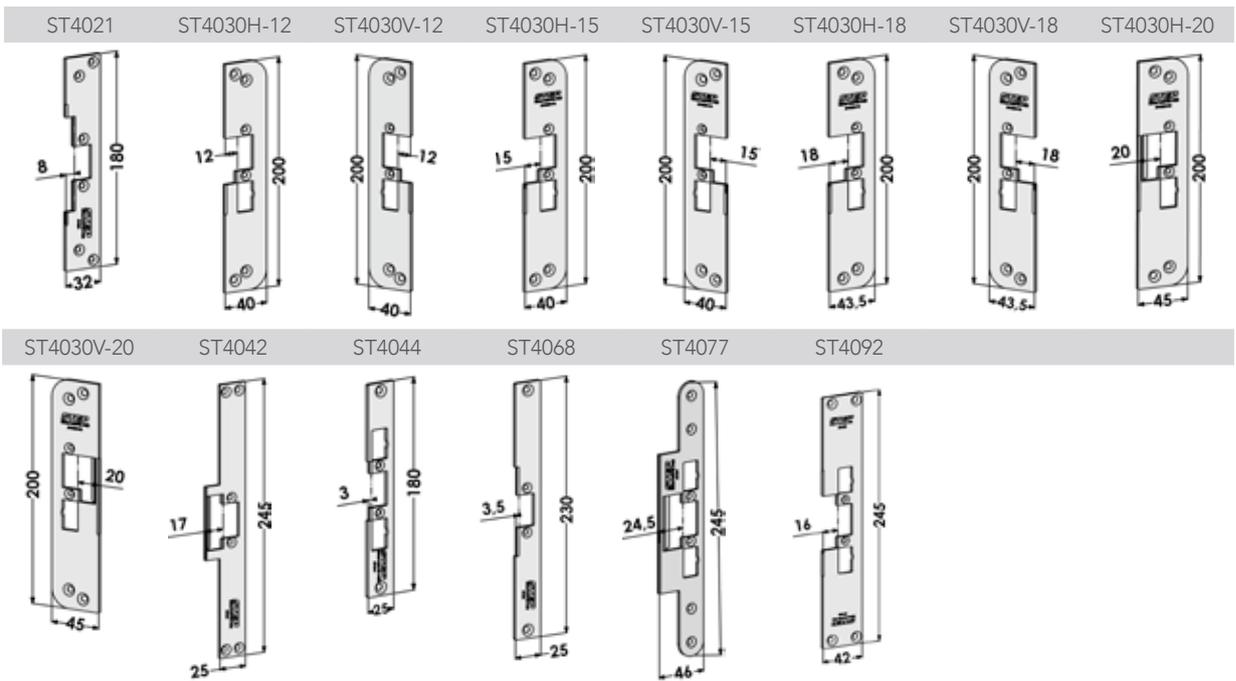
Article no.	Designation	Dimensions	Lip width
ST4001-10	Flat faceplate.	245x40	10 mm
ST4001-13	Flat faceplate.	245x40	13 mm
ST4001-15	Flat faceplate corresponding to ST6505/731-15.	245x40	15 mm
ST4001-17	Flat faceplate corresponding to ST6558/731-17.	245x42	17 mm
ST4001-20	Flat faceplate corresponding to ST6559/731-20.	245x45	20 mm
ST4001-26	Flat faceplate corresponding to ST6510/731-26.	245x51	26 mm
ST4001-32	Plan stolpe.	245x55	32 mm
ST4007	Flat faceplate.	180x25	17 mm
ST4008	Flat faceplate.	180x25	3 mm
ST4009-13	Flat faceplate corresponding to security strike plate 1487-1.	200x40	13 mm
ST4009-16	Flat faceplate corresponding to security strike plate 1487-2.	200x40	16 mm
ST4009-20	Flat faceplate corresponding to security strike plate 1487-3.	200x43.5	20 mm
ST4009-21	Flat faceplate corresponding to security strike plate 1487-4.	200x45	21 mm
ST4010-12	Flat faceplate corresponding to standard strike plate 1264-1.	150x36	12 mm
ST4010-14	Flat faceplate corresponding to ST4010-12 but with 14 mm lip width.	150x36	14 mm
ST4020	Flat faceplate.	140x26	4 mm
ST4021	Flat faceplate.	180x36	8 mm
ST4030H-12	Flat faceplate corresponding to security strike plate 1887-1.	200x40	12 mm
ST4030V-12	Flat faceplate corresponding to security strike plate 1887-1.	200x40	12 mm
ST4030H-15	Flat faceplate corresponding to security strike plate 1887-2.	200x40	15 mm
ST4030V-15	Flat faceplate corresponding to security strike plate 1887-2.	200x40	15 mm
ST4030H-18	Flat faceplate corresponding to security strike plate 1887-3.	200x43.5	18 mm
ST4030V-18	Flat faceplate corresponding to security strike plate 1887-3.	200x43.5	18 mm
ST4030H-20	Flat faceplate corresponding to security strike plate 1887-4.	200x45	20 mm
ST4030V-20	Flat faceplate corresponding to security strike plate 1887-4.	200x45	20 mm
ST4042	Flat faceplate.	245x25	17 mm
ST4044	Flat faceplate.	180x25	3 mm
ST4068	Flat faceplate corresponding to 823.	230x25	3.5 mm
ST4077	Flat faceplate for single and double latch locks.	245x46	24.5 mm
ST4092	Plan stolpe.	245x42	16 mm

ST4001-10   ST4001-13   ST4001-15   ST4001-17   ST4001-20   ST4001-26   ST4001-32   ST4007



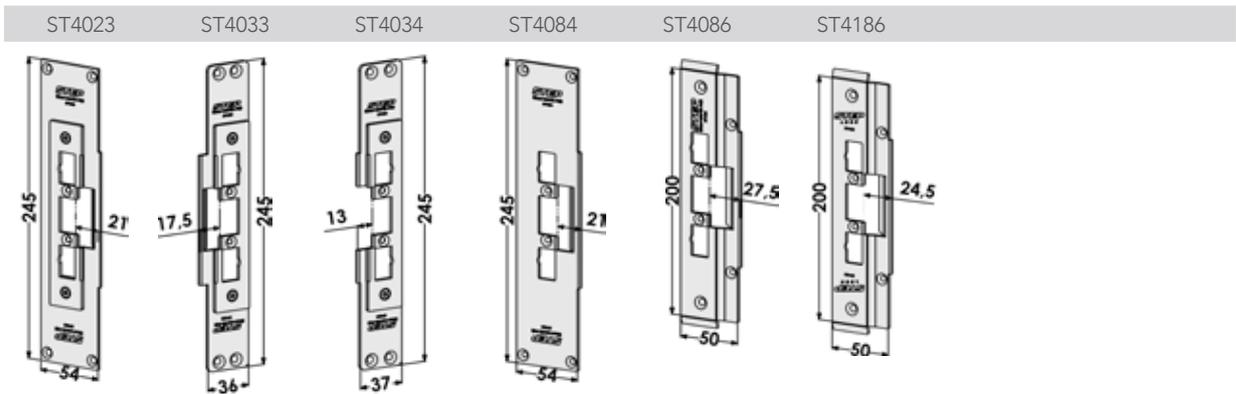
ST4008   ST4009-13   ST4009-16   ST4009-20   ST4009-21   ST4010-12   ST4010-14   ST4020





**Stainless steel faceplates adapted for Sapa system**

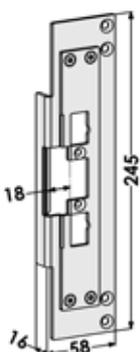
Article no.	Designation	Dimensions	Lip width
ST4023	Faceplate adapted for Sapa 2074.	245x54	21 mm
ST4033	Faceplate adapted for Sapa 2060.	245x34	17.5 mm
ST4034	Faceplate adapted for Sapa 2050.	245x34	13 mm
ST4084	Faceplate adapted for Sapa 2074.	245x54	21 mm
ST4086	Faceplate adapted for Sapa 2086.	200x49.7	27.5 mm
ST4186	Stolpe anpassad för Sapa 2086.	200x50	24,5 mm



**Stainless steel faceplates adapted for Purso system**

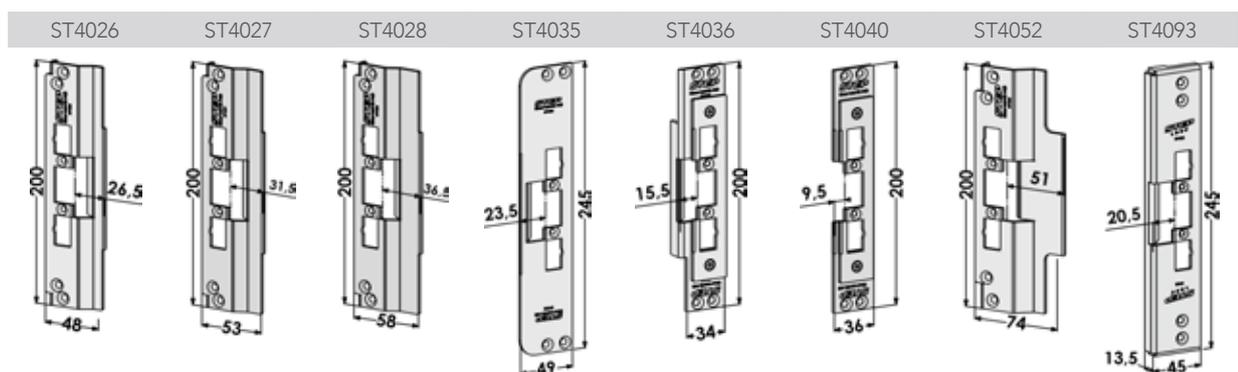
Article no.	Designation	Dimensions	Lip width
ST4178	Faceplate adapted for Purso LK78H. Replaces ST4079.	245x58x16	18 mm

ST4178



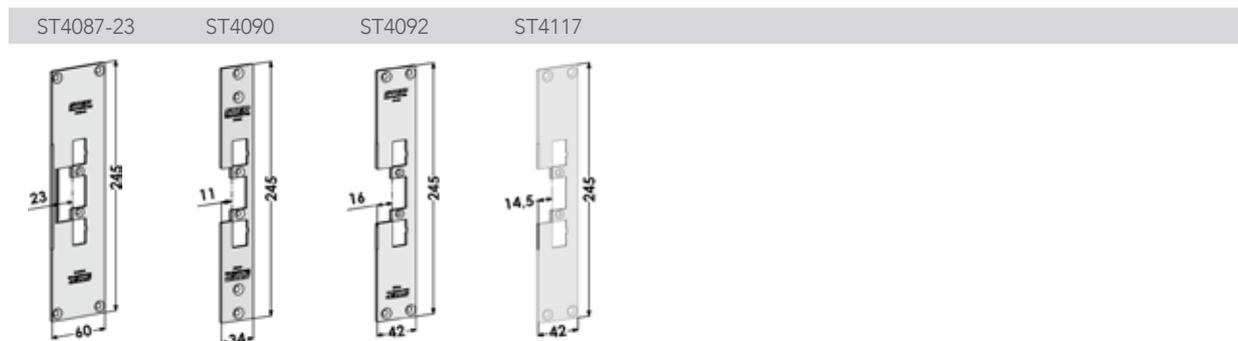
### Stainless steel faceplate adapted for Schüco system

Article no.	Designation	Dimensions	Lip width
ST4026	Faceplate adapted for Schüco ADS 65HD.	200x48	26.5 mm
ST4027	Faceplate adapted for Schüco ADS 70HD.	200x53	31.5 mm
ST4028	Faceplate adapted for Schüco ADS 75HD.	200x58	36.5 mm
ST4035	Faceplate adapted for Schüco ADS 80FR.	245x49	23.5 mm
ST4036	Faceplate adapted for Schüco ADS 65NI.	200x34	15.5 mm
ST4040	Faceplate adapted for Schüco ADS 50NI.	200x36	9.5 mm
ST4052	Faceplate adapted for Schüco ADS 90SI.	200x74	51 mm
ST4093	Faceplate adapted for Schüco ADS Simply Smart 75 and AD UP 75.	245x45x13,5	20,5 mm



### Stainless steel faceplate adapted for Jansen system

Article no.	Designation	Dimensions	Lip width
ST4087-23	Flat faceplate adapted for Jansen Janisol HI.	245x60	23 mm
ST4090	Flat faceplate adapted for Jansen Economy 50.	245x34	11 mm
ST4092	Flat faceplate adapted for Jansen Janisol 2.	245x42	16 mm
ST4117	Flat faceplate for double latch lock adapted for Janisol 2 and Economy 60.	245x42	14,5 mm



### Stainless steel faceplate adapted for Wicona system

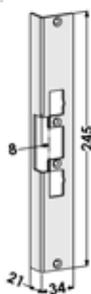
Article no.	Designation	Dimensions	Lip width
ST4031	Faceplate adapted for Wicona 65 Evo.	200x37	11.5 mm
ST4032	Faceplate adapted for Wicona 75 Evo.	200x49	17.5 mm
ST4035	Faceplate adapted for Wicona 65 N.	245x49	23.5 mm



## Stainless steel faceplate adapted for DanDoor system

Article no.	Designation	Dimensions	Lip width
ST4099	Angled faceplate adapted for DanDoors.	245x34x21	8 mm

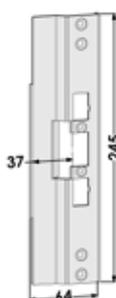
ST4099



## Stainless steel faceplate adapted for Aluprof system

Article no.	Designation	Dimensions	Lip width
ST4118	Stolpe anpassad för Aluprof MB-86.	245x64	37 mm

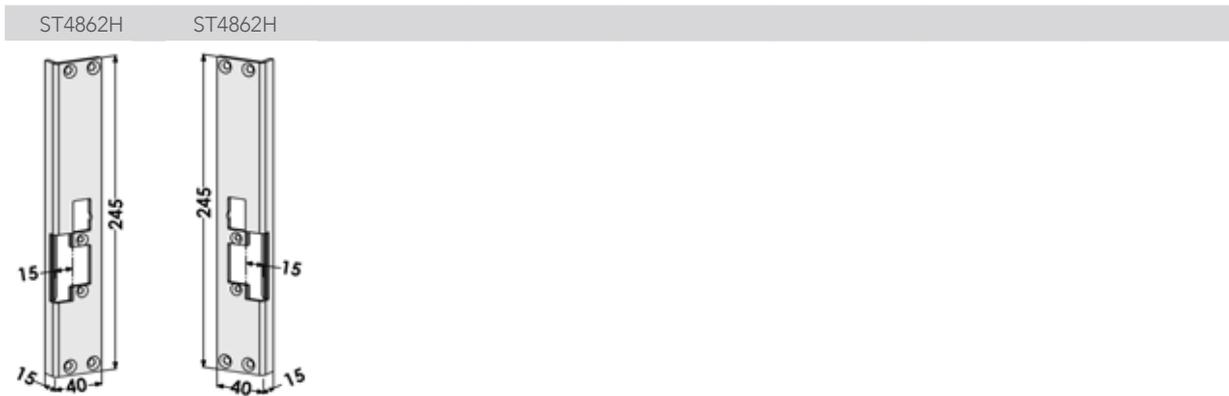
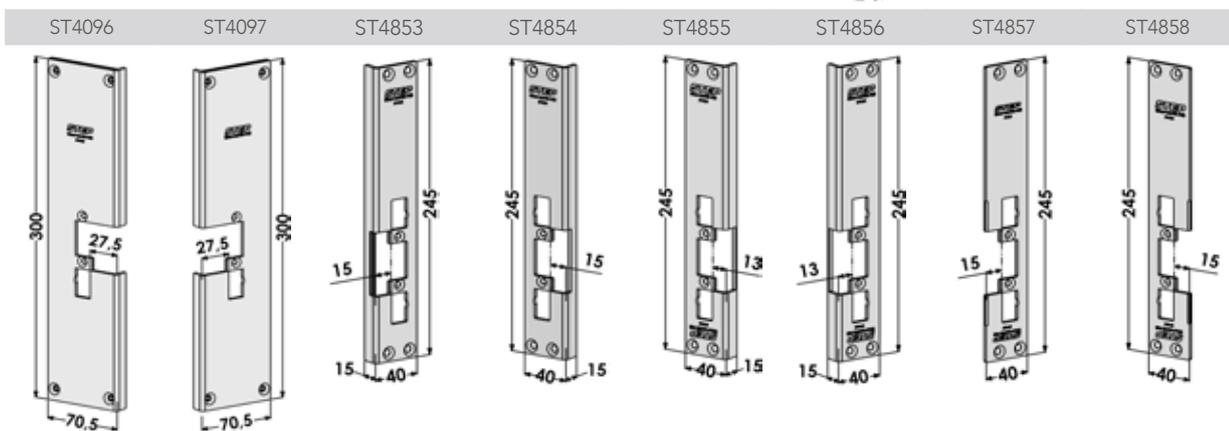
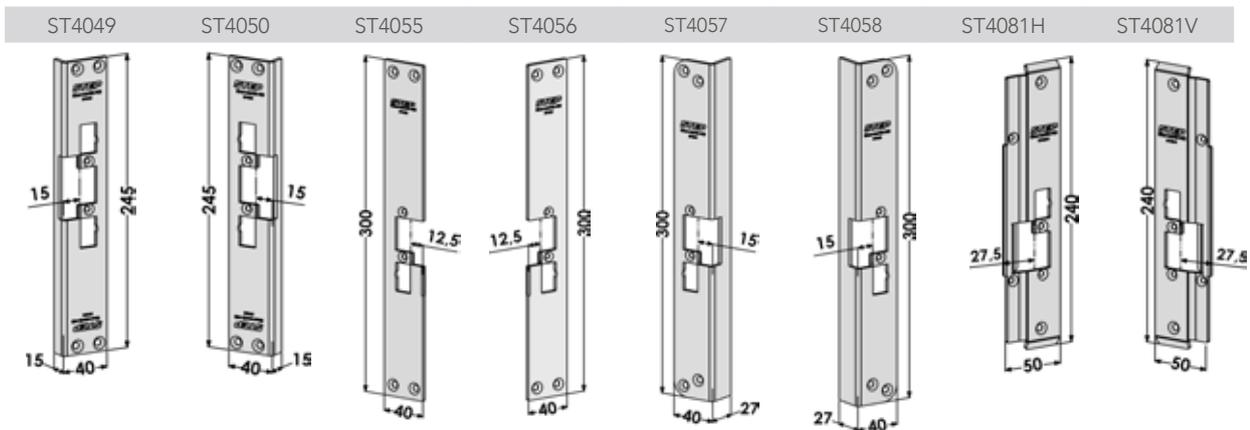
ST4118



## Replacement faceplates in stainless steel for STEP 40/90/48/98 Preload and STEP 90 Release

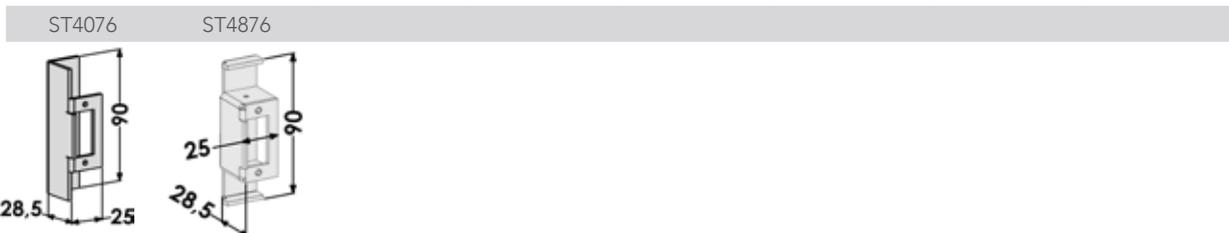
Article no.	Designation	Dimensions	Lip width
ST4049	Angled faceplate for replacement of Modular to Connect left or replacement of Connect to Modular right, with existing recess in the frame for ST4002-15, ST6504 or 730.	245x40x15	15 mm
ST4050	Angled faceplate for replacement of Modular to Connect right or replacement of Connect to Modular left, with existing recess in the frame for ST4002-15, ST6504 or 730.	245x40x15	15 mm
ST4055	Flat faceplate left for replacing ST183-A, ST283-A.	300x40	12.5 mm
ST4056	Flat faceplate right for replacing ST183-B, ST283-B.	300x40	12.5 mm
ST4057	Angled faceplate left for replacing ST184-A, ST284-A.	300x40x27	15 mm
ST4058	Angled faceplate right for replacing ST184-B, ST284-B.	300x40x27	15 mm
ST4081H	Flat stainless steel faceplate right for replacing ST6586. Adapted for change from cylinder latch bolt to lever handle latch bolt.	240x50	27,5 mm
ST4081V	Flat stainless steel faceplate left for replacing ST6586. Adapted for change from cylinder latch bolt to lever handle latch bolt.	240x50	27,5 mm
ST4096	Faceplate left for replacing ST1886-A.	300x70.5	27.5 mm
ST4097	Faceplate right for replacing ST1886-B.	300x70.5	27.5 mm
ST4853	Angled faceplate for replacement of cylinder latch bolts to lever handle latch bolt right, or from lever handle latch bolts to cylinder latch bolts left with existing recess in the frame for ST4002-15, ST6504 or 730.	245x40x15	15 mm
ST4854	Angled faceplate for replacement of cylinder latch bolt to lever handle latch bolt left, or lever handle latch bolt right to cylinder latch bolts right with existing recess in the frame for ST4002-15, ST6504 or 730.	245x40x15	15 mm
ST4855	Angled faceplate for replacement of cylinder latch bolt to lever handle latch bolt left, or lever handle latch bolt right to cylinder latch bolt right with existing recess in the frame for ST4002-13 or ST6514.	245x40x15	13 mm
ST4856	Angled faceplate for replacement of cylinder latch bolt to lever handle latch bolt right, or lever handle latch bolt left to cylinder latch bolt left with existing recess in the frame for ST4002-13 or ST6514.	245x40x15	13 mm
ST4857	Flat faceplate for replacement of cylinder latch bolt to lever handle latch bolt right, or lever handle latch bolt to cylinder latch bolt left with existing recess in the frame for ST4001-15, ST6505 or 731.	245x40	15 mm

ST4858	Flat faceplate for replacement of cylinder latch bolt to lever handle latch bolt left, or lever handle latch bolt to cylinder latch bolt right with existing recess in the frame for ST4001-15, ST6505 or 731.	245x40	15 mm
ST4862H	Angled faceplate for replacement of cylinder latch bolt to lever handle latch bolt right, with existing recess in the frame for ST4082.	245x40x15	15 mm
ST4862V	Angled faceplate for replacement of cylinder latch bolt to lever handle latch bolt left, with existing recess in the frame for ST4082.	245x40x15	15 mm



### Cover box in stainless steel

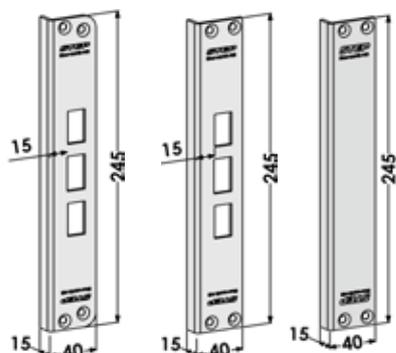
Article no.	Designation	Dimensions	Lip width
ST4076	Cover box that can be used instead of electric strikes to obtain a mechanical function. Can be used together with all STEP 40/90/48/98 Preload and STEP 90 Release faceplates.	90x25x28,5	
ST4876	Cover box that can be used instead of electric strikes to obtain a mechanical function. Adapted for use together with STEP dead bolt indicator ST4880. Can be used together with all STEP 40/90/48/98 Preload and STEP 90 Release faceplates.	90x25x28,5	



## Strike plates and blind faceplate in stainless steel

Article no.	Designation	Dimensions	Lip width
ST6537	Strike plate, angled with rounded corners. Corresponding to ST4003-15. Left/right.	245x40x15	15 mm
ST6538	Strike plate, angled. Corresponding to ST4002-15. Left/right.	245x40x15	15 mm
ST6576	Blind faceplate, angled. Corresponding to ST4002-15. Left/right.	245x40x15	

ST6537	ST6538	ST6576
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## Halogen-free connection cable

Article no.	Designation
ST4016	Halogen-free connection cable, 7 m for STEP 30/40/90/48/98 Preload and STEP 90 Release.
ST4016-10	Halogen-free connection cable, 10 m for STEP 30/40/90/48/98 Preload and STEP 90 Release.

## Screw kit

Article no.	Designation
ST4090S	Screw kit for STEP 30/40/90/48/98 Preload and STEP 90 Release.

# Accessories for STEP 48/98 Preload

## Dead bolt indication

Article no.	Designation
ST4880	Dead bolt indication for STEP 48/98 Preload.

ST4880
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## Halogen-free connection cable

Article no.	Designation
ST4016	Halogen-free connection cable, 7 m for STEP 30/40/90/48/98 Preload and STEP 90 Release.
ST4016-10	Halogen-free connection cable, 10 m for STEP 30/40/90/48/98 Preload and STEP 90 Release.

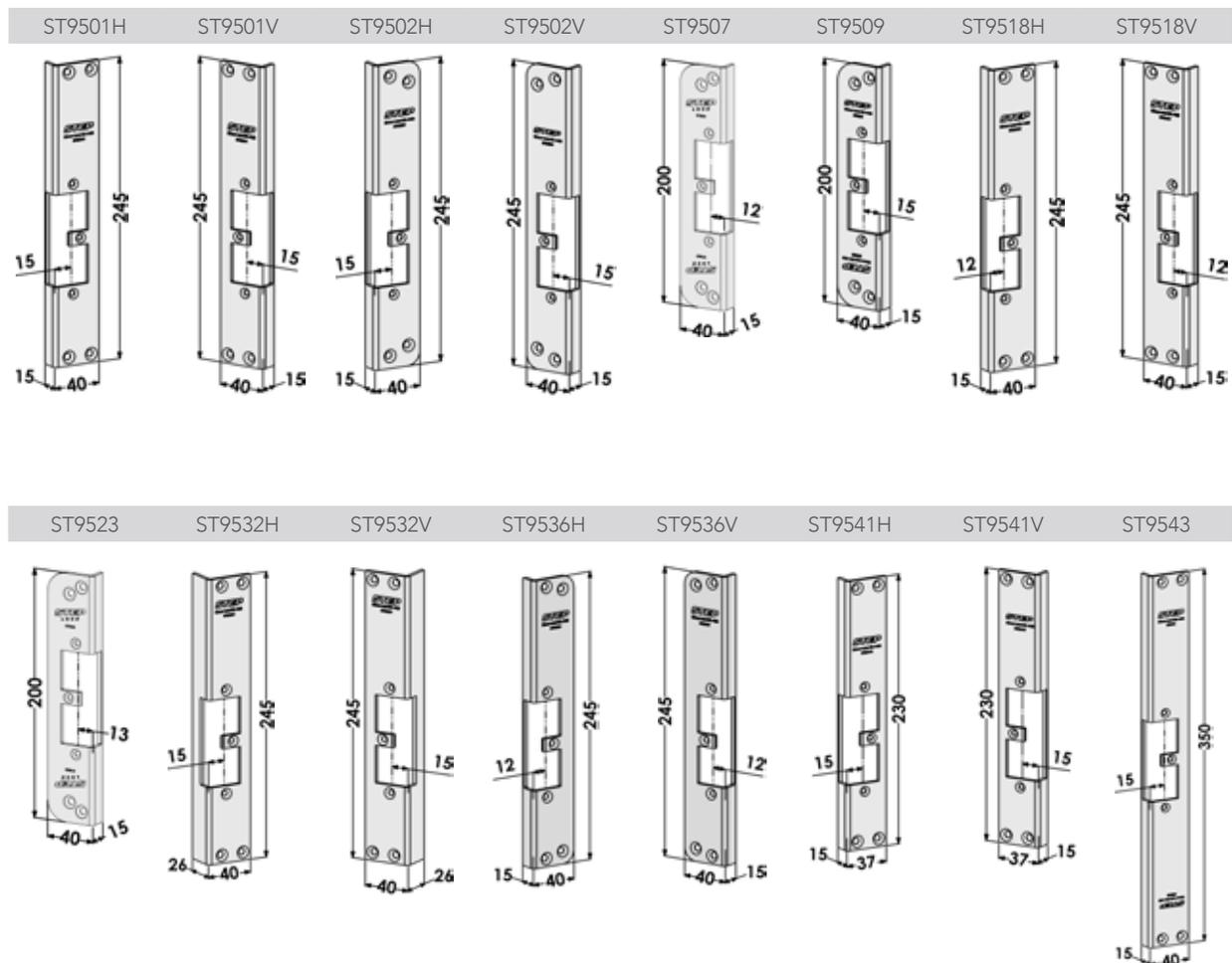
## Screw kit

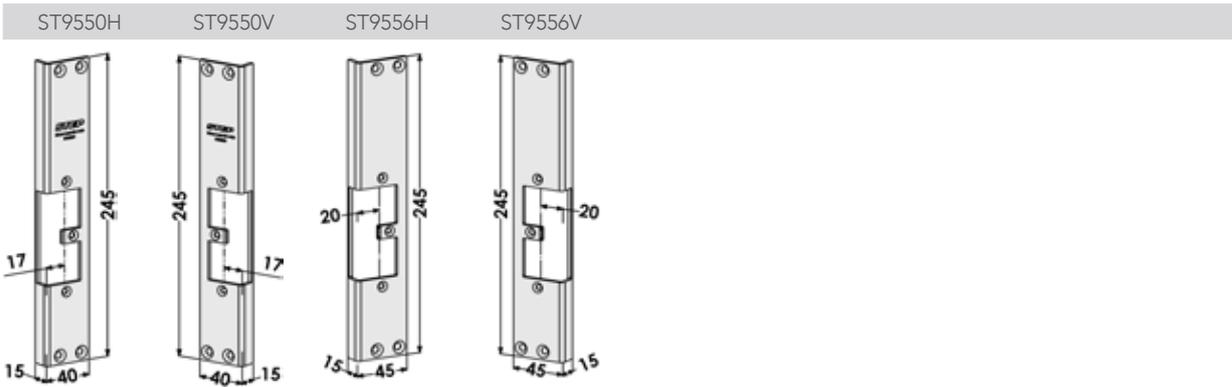
Article no.	Designation
ST4090S	Screw kit for STEP 30/40/90/48/98 Preload and STEP 90 Release.

# Faceplates and accessories for STEP 92 Preload and STEP 92 Release

## Angled faceplates in stainless steel for STEP 92 Preload and STEP 92 Release

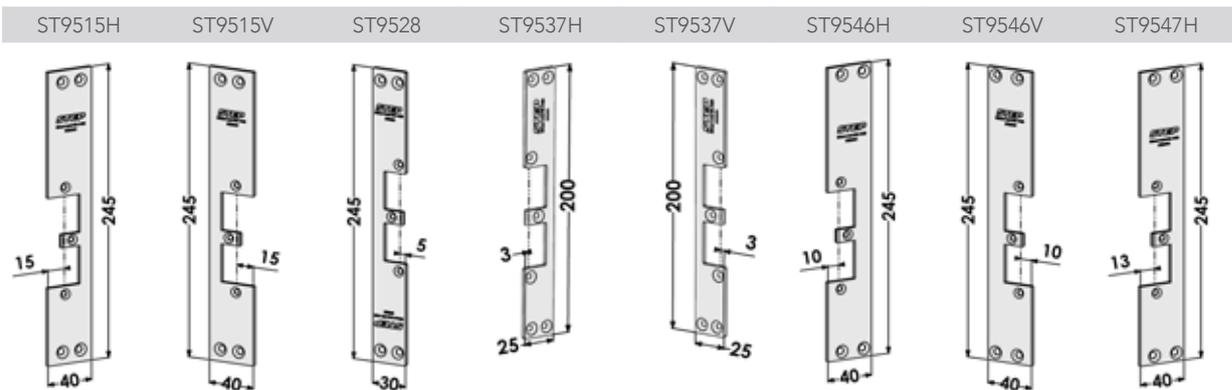
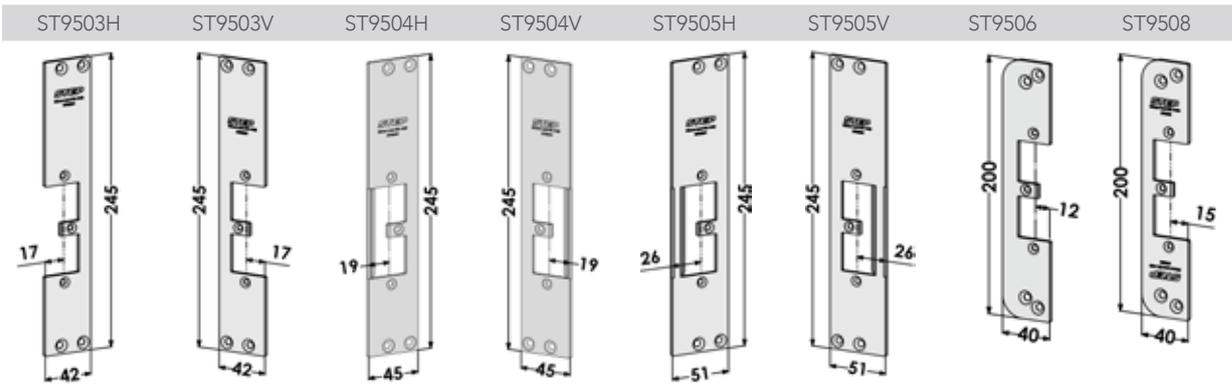
Article no.	Designation	Dimensions	Lip width
ST9501H	Angled faceplate right corresponding to ST6504/730.	245x40x15	15 mm
ST9501V	Angled faceplate left corresponding to ST6504/730.	245x40x15	15 mm
ST9502H	Angled faceplate right with rounded corners corresponding to ST6515/730T.	245x40x15	15 mm
ST9502V	Angled faceplate left with rounded corners corresponding to ST6515/730T.	245x40x15	15 mm
ST9507	Angled faceplate corresponding to security strike plate 1887-1.	200x40x15	12 mm
ST9509	Angled faceplate corresponding to security strike plate 1887-2.	200x40x15	15 mm
ST9518H	Angled faceplate right.	245x40x15	12 mm
ST9518V	Angled faceplate left.	245x40x15	12 mm
ST9523	Angled faceplate for wooden or steel frames.	200x40x15	13 mm
ST9532H	Angled faceplate right corresponding to 725.	245x40x26	15 mm
ST9532V	Angled faceplate left corresponding to 725.	245x40x26	15 mm
ST9536H	Angled faceplate right, corresponding to ST4003-12.	245x40x15	12 mm
ST9536V	Angled faceplate left, corresponding to ST4003-12.	245x40x15	12 mm
ST9541H	Angled faceplate right corresponding to 824.	230x37x15	15 mm
ST9541V	Angled faceplate left corresponding to 824.	230x37x15	15 mm
ST9543	Angled faceplate.	350x40x15	15 mm
ST9550H	Angled faceplate right corresponding to ST4002/17.	245x40x15	17 mm
ST9550V	Angled faceplate left corresponding to ST4002/17.	245x40x15	17 mm
ST9556H	Angled faceplate right.	245x45x15	20 mm
ST9556V	Angled faceplate left.	245x45x15	20 mm





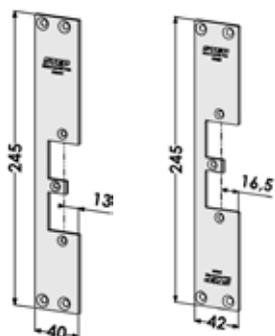
Flat faceplates in stainless steel for STEP 92 Preload and STEP 92 Release

Article no.	Designation	Dimensions	Lip width
ST9503H	Flat faceplate right corresponding to ST6558/731-17.	245x42	17 mm
ST9503V	Flat faceplate left corresponding to ST6558/731-17.	245x42	17 mm
ST9504H	Flat faceplate right corresponding to ST6559/731-20.	245x45	20 mm
ST9504V	Flat faceplate left corresponding to ST6559/731-20.	245x45	20 mm
ST9505H	Flat faceplate right corresponding to ST6510/731-26.	245x51	26 mm
ST9505V	Flat faceplate left corresponding to ST6510/731-26.	245x51	26 mm
ST9506	Flat faceplate corresponding to security strike plate 1887-1.	200x40	12 mm
ST9508	Flat faceplate corresponding to security strike plate 1887-2.	200x40	15 mm
ST9515H	Flat faceplate right.	245x40	15 mm
ST9515V	Flat faceplate left.	245x40	15 mm
ST9528	Flat faceplate.	245x30	5 mm
ST9537H	Flat faceplate right.	200x25	12,5 mm
ST9537V	Flat faceplate left.	200x25	12,5 mm
ST9546H	Flat faceplate right.	245x40	10 mm
ST9546V	Flat faceplate left.	245x40	10 mm
ST9547H	Flat faceplate right.	245x40	13 mm
ST9547V	Flat faceplate left.	245x40	13 mm
ST9592	Flat faceplate.	245x42	16,5 mm



ST9547V

ST9592

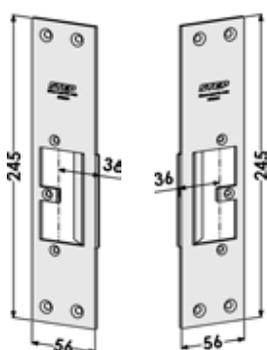


### Stainless steel faceplate adapted for Lambda system

Article no.	Designation	Dimensions	Lip width
ST9555H	Faceplate right adapted for Lambda 77.	245x56	36 mm
ST9555V	Faceplate left adapted for Lambda 77.	245x56	36 mm

ST9555V

ST9555H



### Stainless steel faceplate adapted for Sapa system

Article no.	Designation	Dimensions	Lip width
ST9511	Faceplate adapted for Sapa 2074.	245x54	21 mm
ST9511H	Faceplate right adapted for Sapa 2074.	245x54	21 mm
ST9511V	Faceplate left adapted for Sapa 2074.	245x54	21 mm
ST9526	Faceplate adapted for Sapa 2060.	245x36	17.5 mm
ST9527	Faceplate adapted for Sapa 2050.	245x34.5	11.5 mm
ST9586	Faceplate adapted for Sapa 2086.	200x49.7	27.5 mm

ST9511

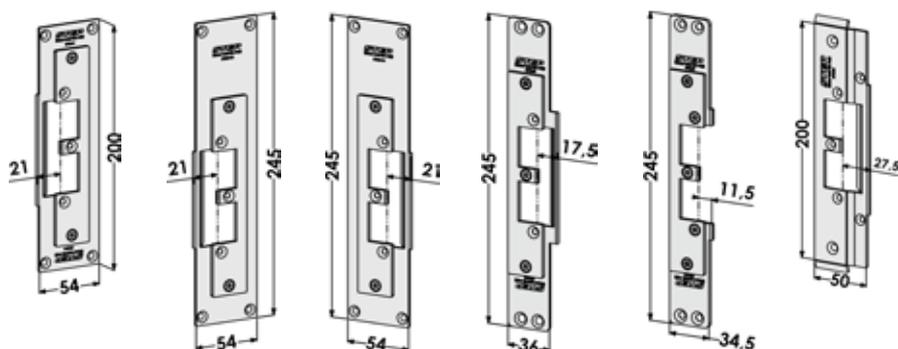
ST9511H

ST9511V

ST9526

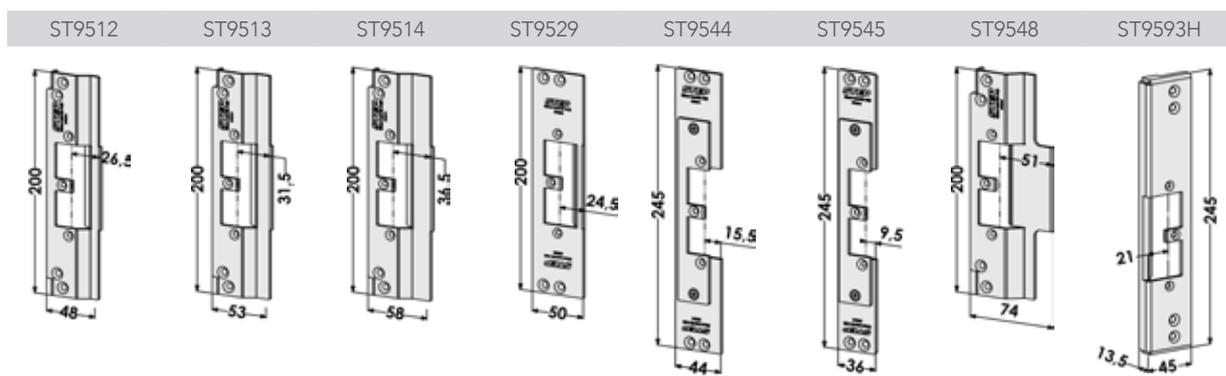
ST9527

ST9586

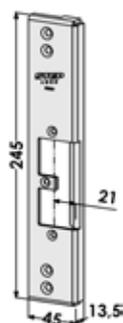


## Stainless steel faceplate adapted for Schüco system

Article no.	Designation	Dimensions	Lip width
ST9512	Faceplate adapted for Schüco ADS 65HD.	200x48	26.5 mm
ST9513	Faceplate adapted for Schüco ADS 70HD.	200x53	31.5 mm
ST9514	Faceplate adapted for Schüco ADS 75HD.	200x58	36.5 mm
ST9529	Faceplate adapted for Schüco ADS 80FR.	200x50	24 mm
ST9544	Faceplate adapted for Schüco ADS 65NI.	245x44	15.5 mm
ST9545	Faceplate adapted for Schüco ADS 50NI.	245x36	9.5 mm
ST9548	Faceplate adapted for Schüco ADS 90SI.	200x74	51 mm
ST9593H	Faceplate right adapted for Schüco ADS Simply Smart 75 and AD UP 75.	245x45x13,5	21 mm
ST9593V	Faceplate left adapted for for Schüco ADS Simply Smart 75 and AD UP 75.	245x45x13,5	21 mm

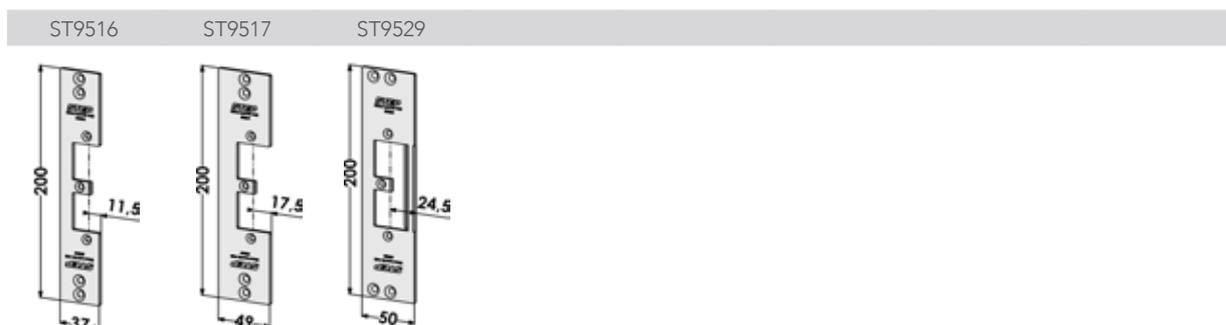


ST9593V



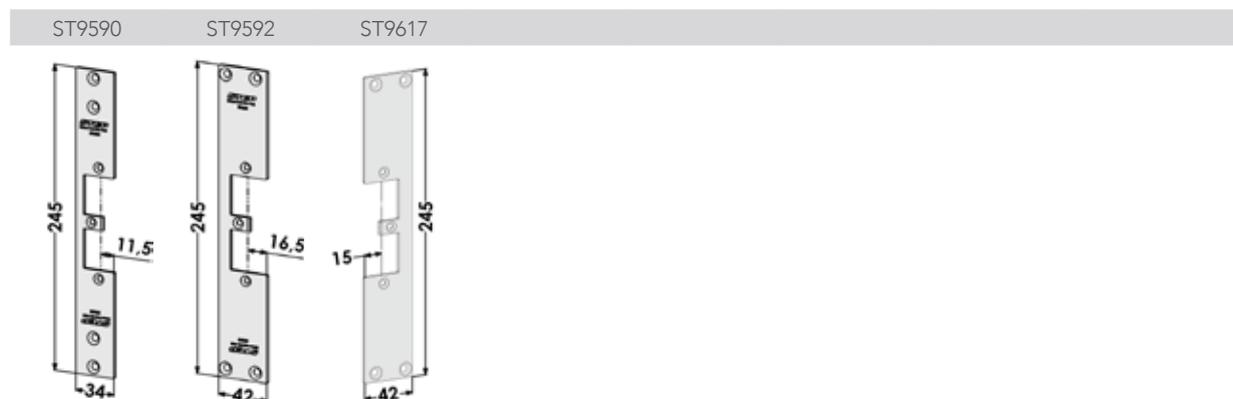
## Stainless steel faceplate adapted for Wicona system

Article no.	Designation	Dimensions	Lip width
ST9516	Faceplate adapted for Wicona 65 Evo.	200x37	11.5 mm
ST9517	Faceplate adapted for Wicona 75 Evo.	200x49	17.5 mm
ST9529	Faceplate adapted for Wicona 65 N.	200x50	24.5 mm



### Stainless steel faceplate adapted for Jansen system

Article no.	Designation	Dimensions	Lip width
ST9590	Flat faceplate adapted for Jansen Economy 50.	245x34	11.5 mm
ST9592	Flat faceplate adapted for Jansen Janisol 2.	245x42	16.5 mm
ST9617	Flat faceplate for double latch lock adapted for Janisol 2 and Economy 60.	245x42	15 mm



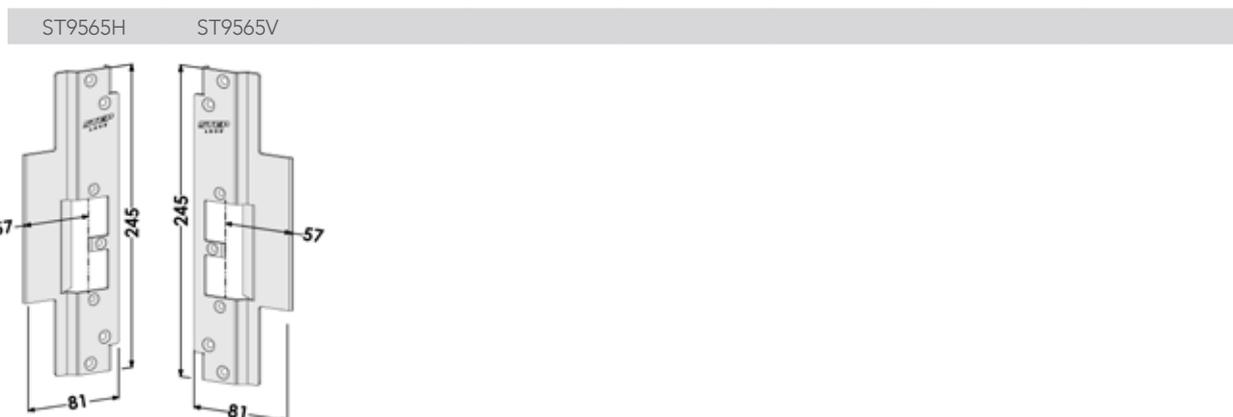
### Stainless steel faceplate adapted for DanDoor system

Article no.	Designation	Dimensions	Lip width
ST9559	Angled faceplate adapted for DanDoors.	245x34x21	8 mm



### Stainless steel faceplate adapted for Aluprof system

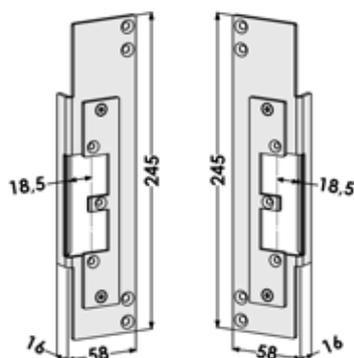
Article no.	Designation	Dimensions	Lip width
ST9565H	Faceplate adapted for Aluprof MB-104.	245x81	57 mm
ST9565V	Faceplate adapted for Aluprof MB-104.	245x81	57 mm



## Stainless steel faceplates adapted for Purso system

Article no.	Designation	Dimensions	Lip width
ST9678H	Faceplate right adapted for Purso LK78H.	245x58x16	18,5 mm
ST9678V	Faceplate left adapted for Purso LK78H.	245x58x16	18,5 mm

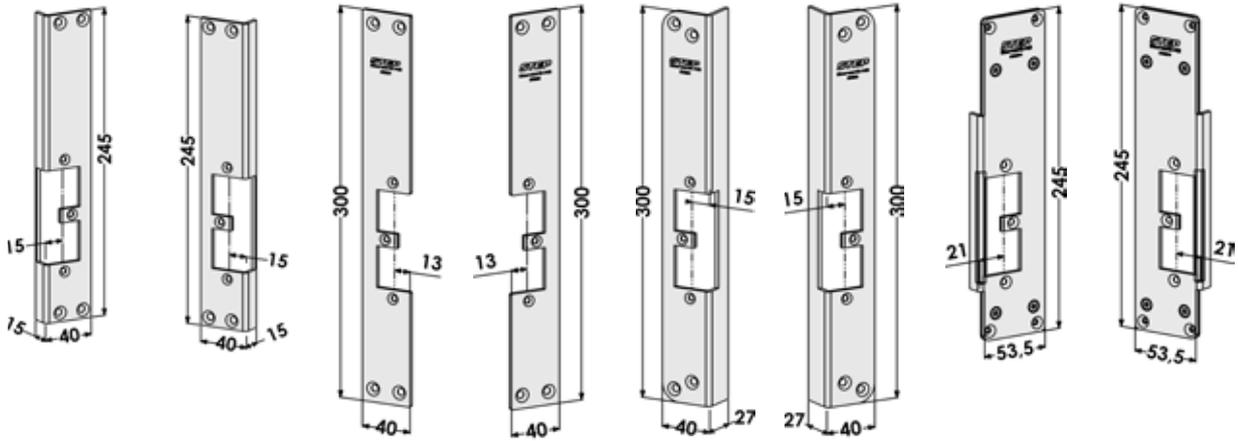
ST9678H	ST9678V
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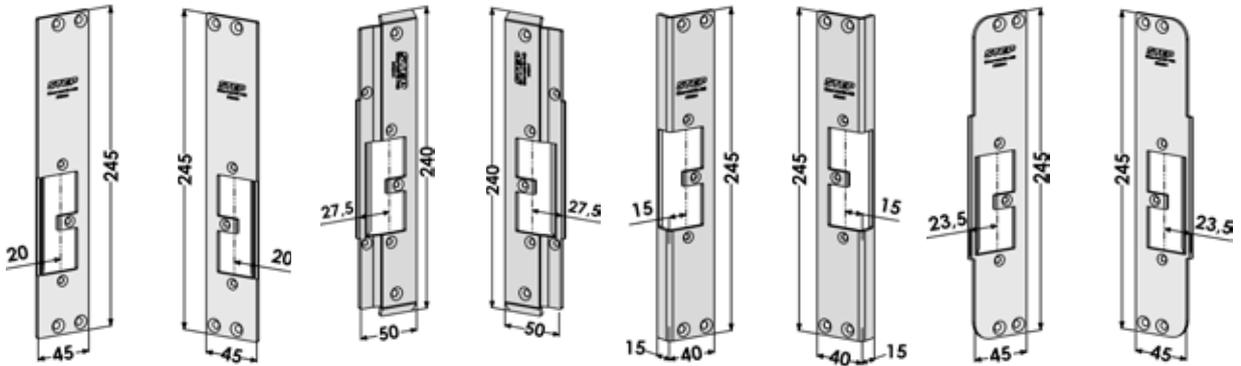
## Replacement faceplates in stainless steel for STEP 92 Preload and STEP 92 Release

Article no.	Designation	Dimensions	Lip width
ST9519H	Faceplate right for replacement of Modular latch lock to Connect with recess for, for example ST9501H or 730.	245x40x15	15 mm
ST9519V	Faceplate left for replacement of Modular latch lock to Connect with recess for, for example ST9501H or 730.	245x40x15	15 mm
ST9521	Flat faceplate left for replacing ST183-A, ST283-A.	300x40	13 mm
ST9522	Flat faceplate right for replacing ST183-B, ST283-B.	300x40	13 mm
ST9524	Angled faceplate left for replacing ST184-A, ST284-A.	300x40x27	15 mm
ST9525	Angled faceplate right for replacing ST184-B, ST284-B.	300x40x27	15 mm
ST9531H	Faceplate right for replacement of Modular latch lock to Connect latch lock with existing recess in the frame for STEP 60 Silent and faceplate ST6502 (Sapa 2074).	245x53.5	21 mm
ST9531V	Faceplate left for replacement of Modular latch lock to Connect latch lock with existing recess in the frame for STEP 60 Silent and faceplate ST6502 (Sapa 2074).	245x53.5	21 mm
ST9542H	Faceplate right for replacement of Modular latch lock to Connect latch lock with recess for ST9504H.	245x45	20 mm
ST9542V	Faceplate left for replacement of Modular latch lock to Connect latch lock with recess for ST9504V.	245x45	20 mm
ST9551H	Faceplate right for replacing ST6586.	240x50	27.5 mm
ST9551V	Faceplate left for replacing ST6586.	240x50	27.5 mm
ST9560H	Faceplate right for replacement of Connect latch lock to Modular latch lock with recess for ST9501.	245x40x15	15 mm
ST9560V	Faceplate left for replacement of Connect latch lock to Modular latch lock with recess for ST9501.	245x40x15	15 mm
ST9563H	Faceplate right for recess in frame for STEP 60 Silent faceplate ST6503H.	245x45	23.5 mm
ST9563V	Faceplate left for recess in frame for STEP 60 Silent faceplate ST6503V.	245x45	23.5 mm
ST9569H	Faceplate right replacing recess corresponding to Kaba Delta 6213. Adapted for double latch lock.	410x39	12.5 mm
ST9569V	Faceplate left replacing recess corresponding to Kaba Delta 6213. Adapted for double latch lock.	410x39	12.5 mm
ST9587H	Faceplate right for recess in frame for ST187-B, ST287-B (Sapa 2074, STEP 18/28E Secure).	340x60	21 mm
ST9587V	Faceplate left for recess in frame for ST187-A, ST287-A (Sapa 2074, STEP 18/28E Secure).	340x60	21 mm

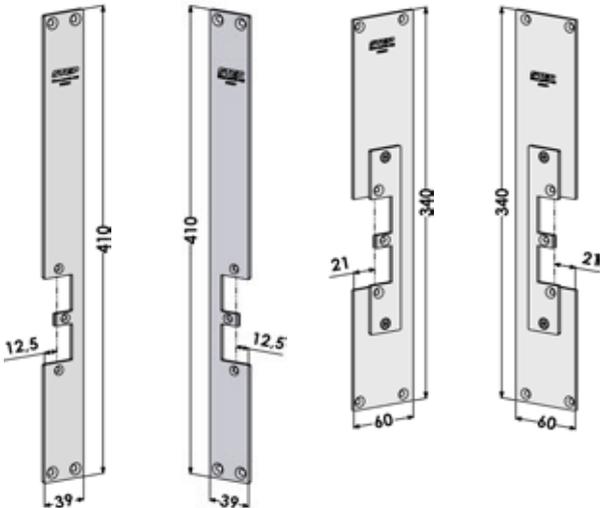
ST9519H    ST9519V    ST9521    ST9522    ST9524    ST9525    ST9531H    ST9531V



ST9542H    ST9542V    ST9551H    ST9551H    ST9560H    ST9560V    ST9563H    ST9563V



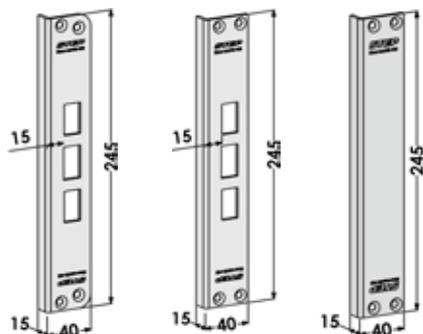
ST9569H    ST9569V    ST9587H    ST9587V



## Strike plates and blind faceplate in stainless steel

Article no.	Designation	Dimensions	Lip width
ST6537	Strike plate, angled with rounded corners. Corresponding to ST9502V/ST9502H. Left/right.	245x40x15	15 mm
ST6538	Strike plate, angled. Corresponding to ST9501H/ST9501V. Left/right.	245x40x15	15 mm
ST6576	Blind faceplate, angled. Corresponding to ST9501H/ST9501V. Left/right.	245x40x15	

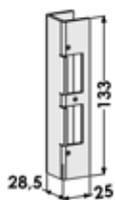
ST6537	ST6538	ST6576
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## Cover box in stainless steel

Article no.	Designation	Dimensions	Lip width
ST9276	Cover box that can be used instead of electric strikes to obtain a mechanical function. Can be used together with all STEP 92 Preload/Release faceplates.	133x25x28.5	

ST9276
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## Halogen-free connection cable

Article no.	Designation
ST9216	Halogen-free connection cable, 7 m for STEP 92 Preload and STEP 92 Release.
ST9216-10	Halogen-free connection cable, 10 m for STEP 92 Preload and STEP 92 Release.

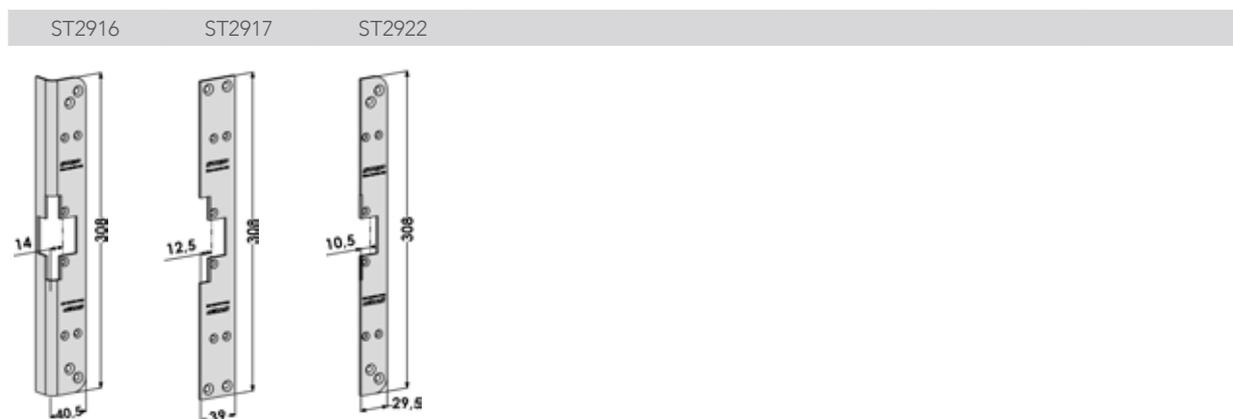
## Screw kit

Article no.	Designation
ST9292S	Screw kit for STEP 92 Preload and STEP 92 Release.

# Faceplates and accessories for STEP 29 Silent

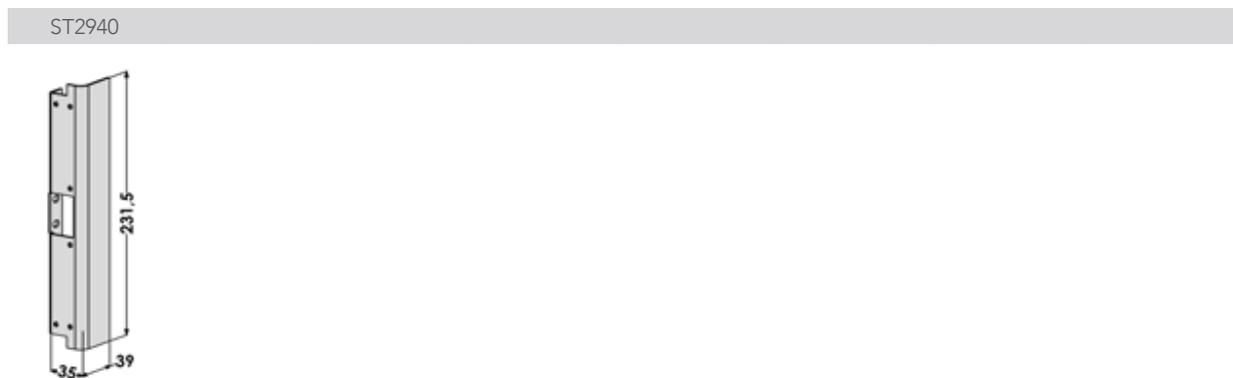
## Faceplates and cover box in stainless steel for STEP 29 Silent

Article no.	Designation	Dimensions	Lip width
ST2916	Angled faceplate.	308x40.5x24	14 mm
ST2917	Flat faceplate.	308x39	12.5 mm
ST2922	Flat faceplate narrow.	308x29.5	10.5 mm



## Cover box in stainless steel

Article no.	Designation	Dimensions	Lip width
ST2940	Cover box that can be used instead of electric strikes to obtain a mechanical function. Can be used together with all STEP 29 Silent faceplates.	231.5x35x39	



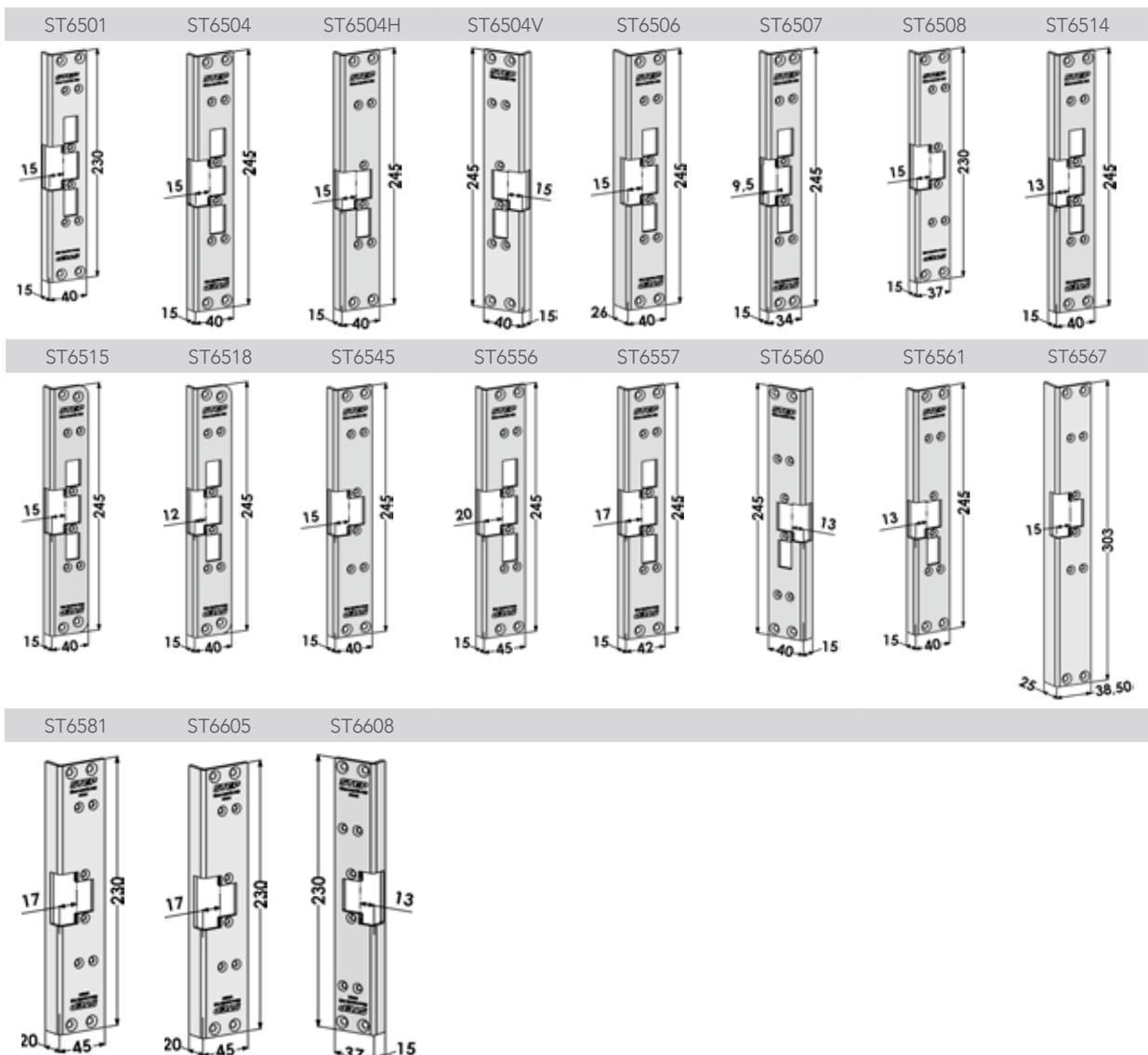
## Halogen-free connection cable

Article no.	Designation
ST5573720	Halogen-free connection cable, 5 m for STEP 29 Silent and STEP 15 Secure.
ST5573720-10	Halogen-free connection cable, 10 m for STEP 29 Silent and STEP 15 Secure.

# Faceplates and accessories for STEP 60 Silent

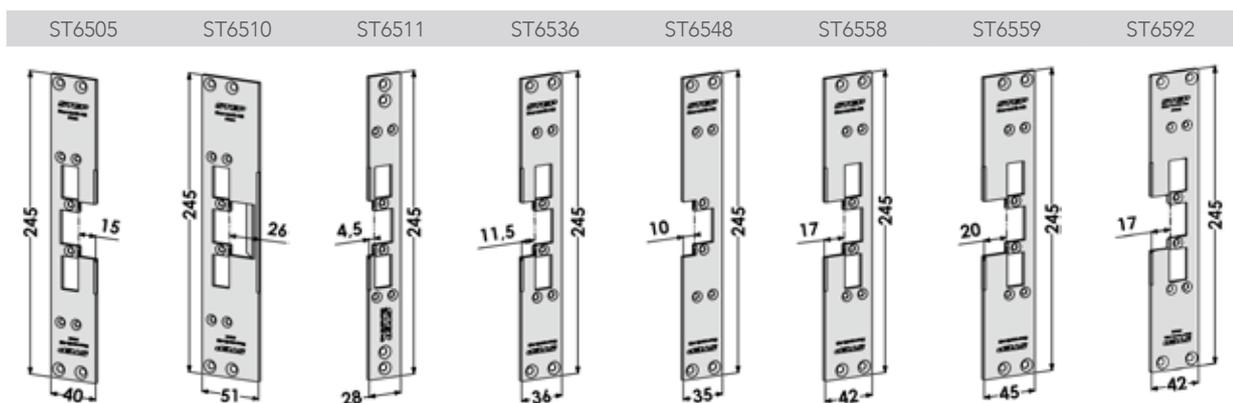
## Angled faceplates for STEP 60 Silent

Article no.	Designation	Dimensions	Lip width
ST6501	Angled faceplate corresponding to 830.	230x40x15	15 mm
ST6504	Angled faceplate.	245x40x15	15 mm
ST6504H	Angled faceplate right. Fits in the recess made for Solid 730.	245x40x15	15 mm
ST6504V	Angled faceplate left. Fits in the recess made for Solid 730.	245x40x15	15 mm
ST6506	Angled faceplate corresponding to 725.	245x40x26	15 mm
ST6507	Angled faceplate.	245x40x15	9.5 mm
ST6508	Angled faceplate corresponding to 824.	230x37x15	15 mm
ST6514	Angled faceplate corresponding to ST6504 but with lip width 13 mm.	245x40x15	13 mm
ST6515	Angled faceplate with rounded corners corresponding to 730T.	245x40x15	15 mm
ST6518	Angled faceplate with rounded corners.	245x40x15	12 mm
ST6545	Angled faceplate corresponding to 732.	245x40x15	15 mm
ST6556	Angled faceplate for wooden or steel frames.	245x45x15	20 mm
ST6557	Angled faceplate for wooden or steel frames.	242x45x15	17 mm
ST6560	Angled faceplate left corresponding to ST6504V but with lip width 13 mm.	245x40x15	13 mm
ST6561	Angled faceplate right corresponding to ST6504H but with lip width 13 mm.	245x40x15	13 mm
ST6567	Angled faceplate for replacing 816.	303x38,5x25	15 mm
ST6581	Angled faceplate in for wooden or steel frames.	230x45x20	17 mm
ST6605	Angled faceplate.	245x40x15	10 mm
ST6608	Angled faceplate corresponding to 824.	230x37x15	13 mm

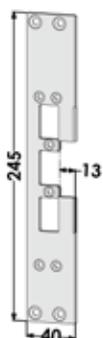


## Flat faceplates in stainless steel for STEP 60 Silent

Article no.	Designation	Dimensions	Lip width
ST6505	Flat faceplate corresponding to 731/15.	245x40	15 mm
ST6510	Flat faceplate corresponding to 731/26.	245x51	26 mm
ST6511	Flat faceplate.	245x28	4.5 mm
ST6536	Flat faceplate. Suitable for replacement of STEP 25 with faceplate ST635.	245x36	11.5 mm
ST6548	Flat faceplate.	245x35	10 mm
ST6558	Flat faceplate corresponding to 731/17.	245x42	17 mm
ST6559	Flat faceplate corresponding to 731/20.	245x45	20 mm
ST6592	Flat faceplate.	245x42	17 mm
ST6594	Flat faceplate.	245x40	13 mm

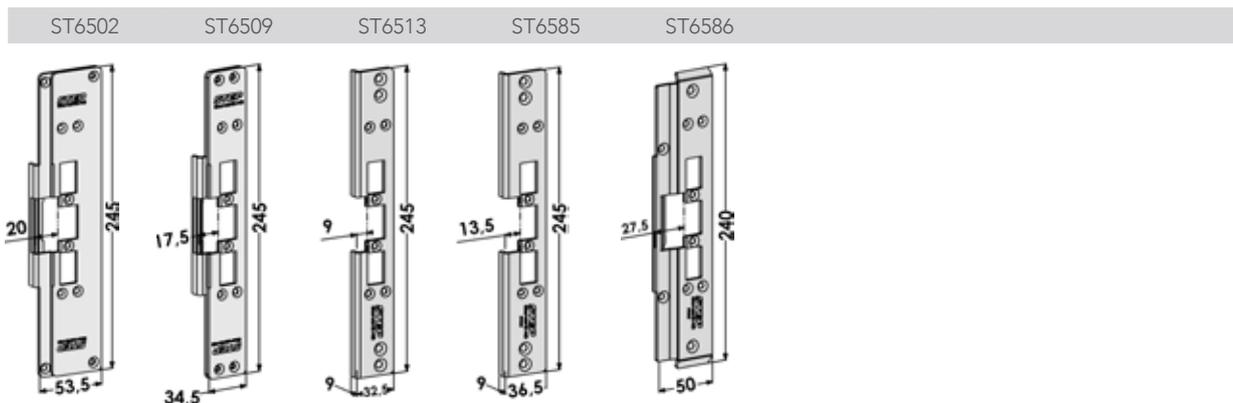


ST6594



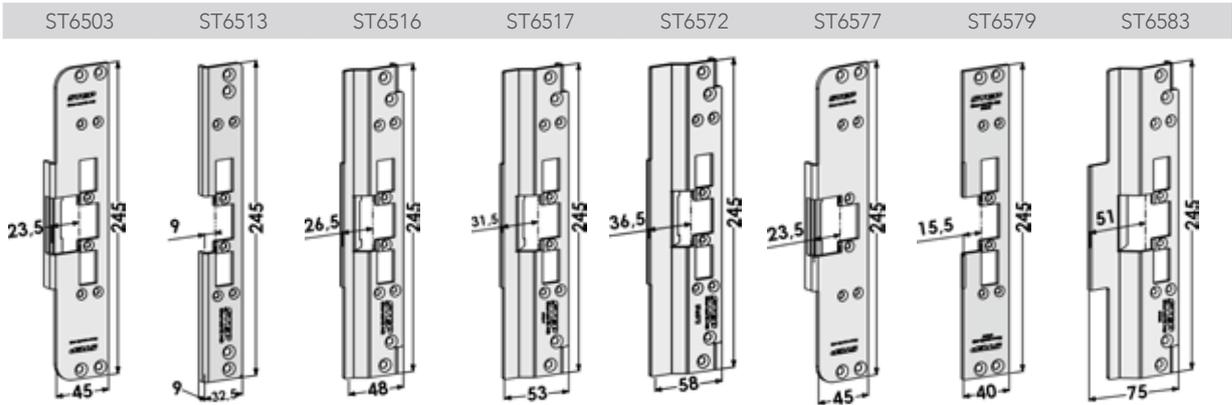
## Stainless steel faceplate adapted for Sapa system

Article no.	Designation	Dimensions	Lip width
ST6502	Faceplate adapted for Sapa 2074.	245x32.5	20 mm
ST6509	Faceplate adapted for Sapa 2060.	245x34.5	17.5 mm
ST6513	Faceplate adapted for Sapa 2050.	245x32.5x9	9 mm
ST6585	Faceplate adapted for Sapa 2050.	245x36.5x9	13.5 mm
ST6586	Faceplate adapted for Sapa 2086.	240x50	27.5 mm

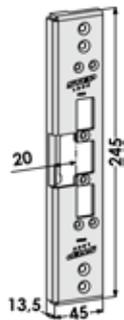


### Stainless steel faceplate adapted for Schüco system

Article no.	Designation	Dimensions	Lip width
ST6503	Faceplate adapted for Schüco ADS 80 FR.	245x45	23.5 mm
ST6513	Faceplate adapted for Schüco RS 50N, RS 65, ADS 65. Inward.	245x32.5x9	9 mm
ST6516	Faceplate adapted for Schüco ADS 65 HD.	245x48	26.5 mm
ST6517	Faceplate adapted for Schüco ADS 70 HD.	245x53	31.5 mm
ST6572	Faceplate adapted for Schüco ADS 75 HD.	245x58	36.5 mm
ST6577	Faceplate with single latch adapted for Schüco ADS 80 FR.	245x45	23.5 mm
ST6579	Faceplate adapted for Schüco ADS 65 NI.	245x40	15.5 mm
ST6583	Faceplate adapted for Schüco ADS 90 SI.	245x75	51 mm
ST6593	Faceplate adapted for Schüco ADS Simply Smart 75 and AD UP 75.	245x45x13,5	20 mm

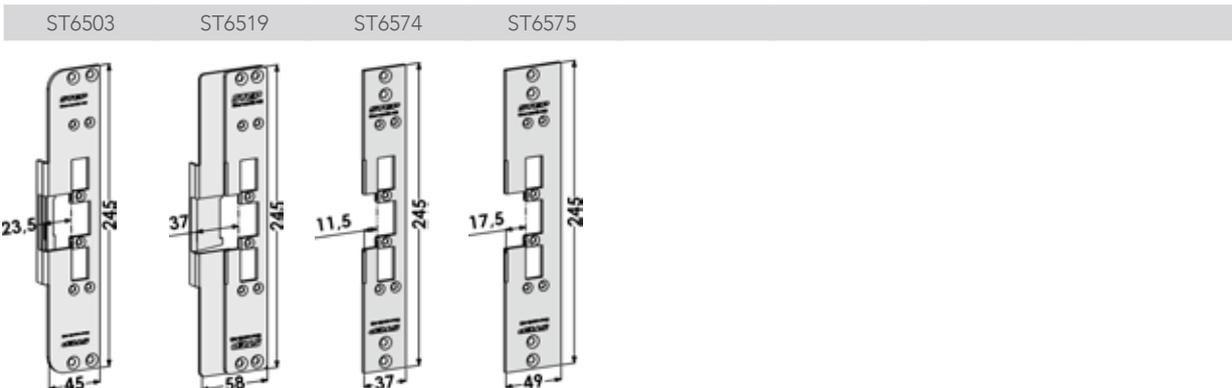


ST6593



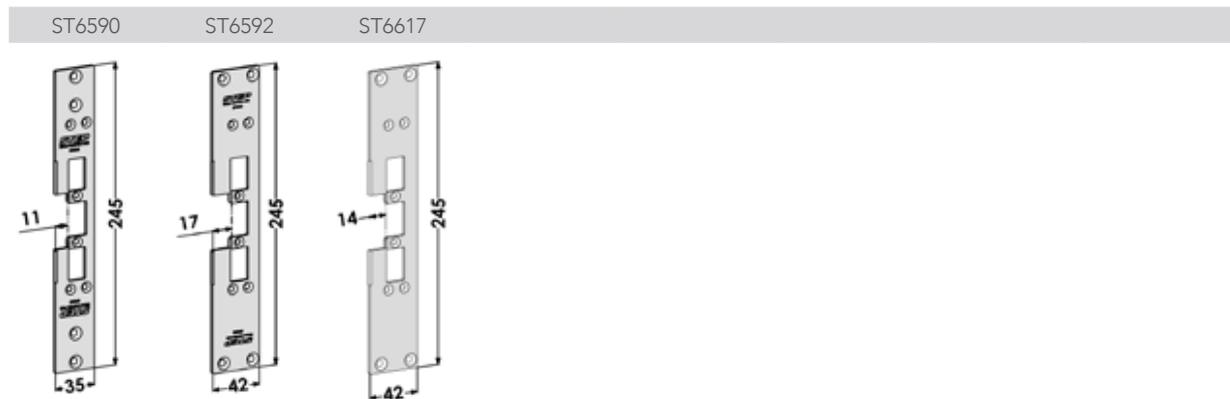
### Stainless steel faceplate adapted for Wicona system

Article no.	Designation	Dimensions	Lip width
ST6503	Faceplate adapted for Wicona 65.	245x45	23.5 mm
ST6519	Faceplate adapted for Wicona 77.	245x58	37 mm
ST6574	Faceplate adapted for Wicona 65 Evo.	245x37	11.5 mm
ST6575	Faceplate adapted for Wicona 75 Evo.	245x49	17.5 mm



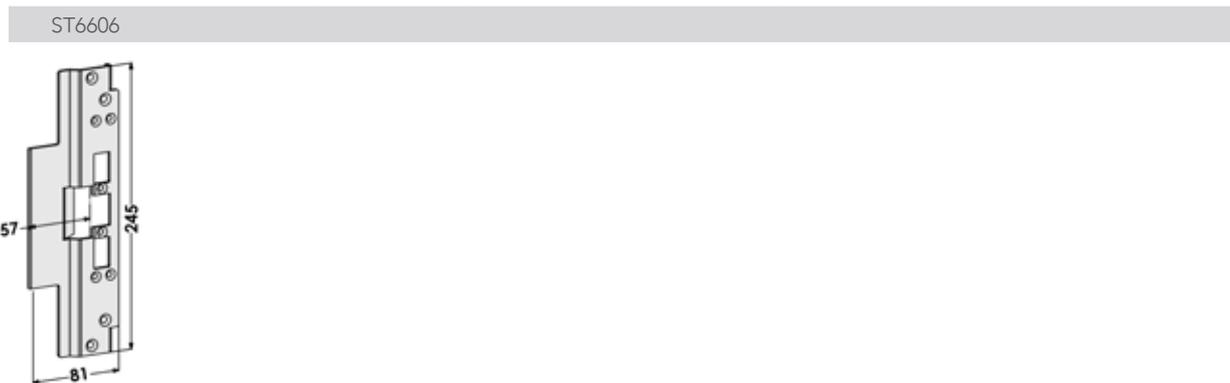
### Stainless steel faceplate adapted for Jansen system

Article no.	Designation	Dimensions	Lip width
ST6590	Flat faceplate adapted for Jansen Economy 50.	245x35	11 mm
ST6592	Flat faceplate adapted for Jansen Janisol 2.	245x42	17 mm
ST6617	Flat faceplate double latch lock adapted for Janisol 2 and Economy 60.	245x42	14 mm



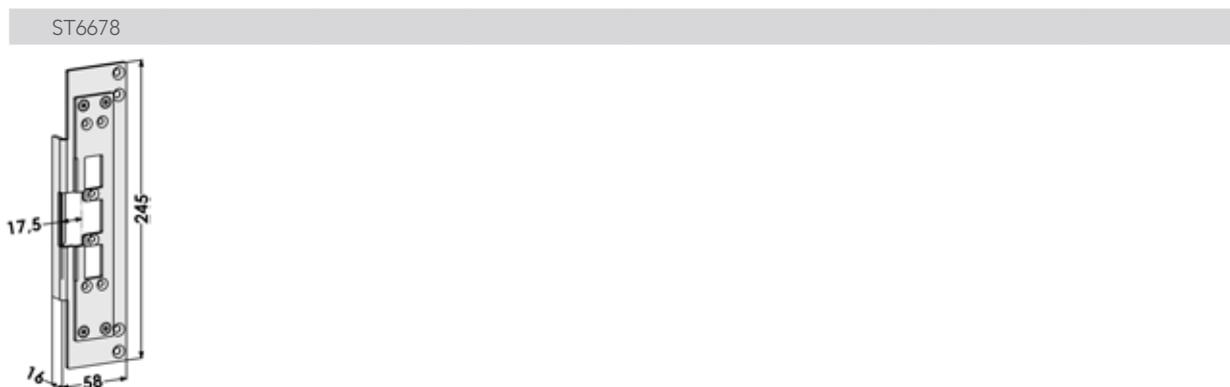
### Stainless steel faceplate adapted for Aluprof system

Article no.	Designation	Dimensions	Lip width
ST6606	Faceplate adapted for Aluprof MB-104.	245x81	57 mm



### Stainless steel faceplate adapted for Purso system

Article no.	Designation	Dimensions	Lip width
ST6678	Faceplate adapted for Purso LK78H.	245x58x16	17,5 mm

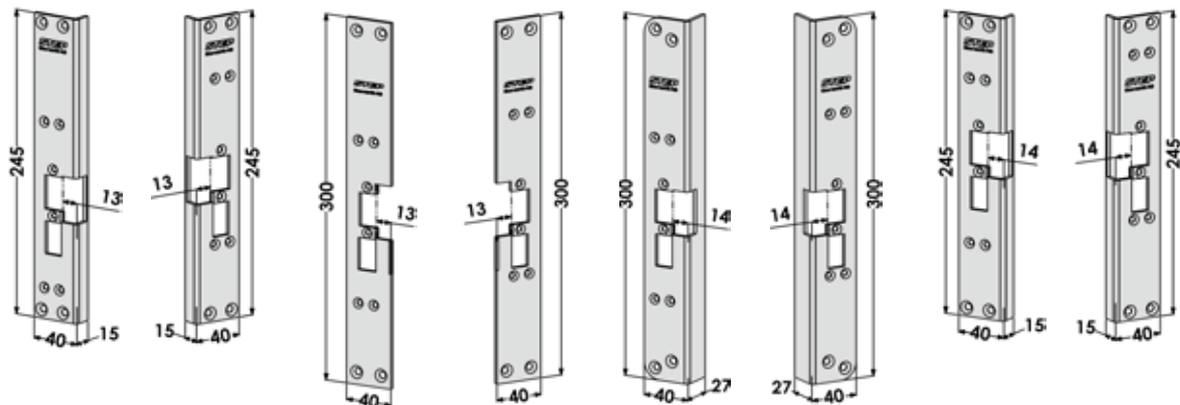


### Replacement faceplates in stainless steel for STEP 60 Silent

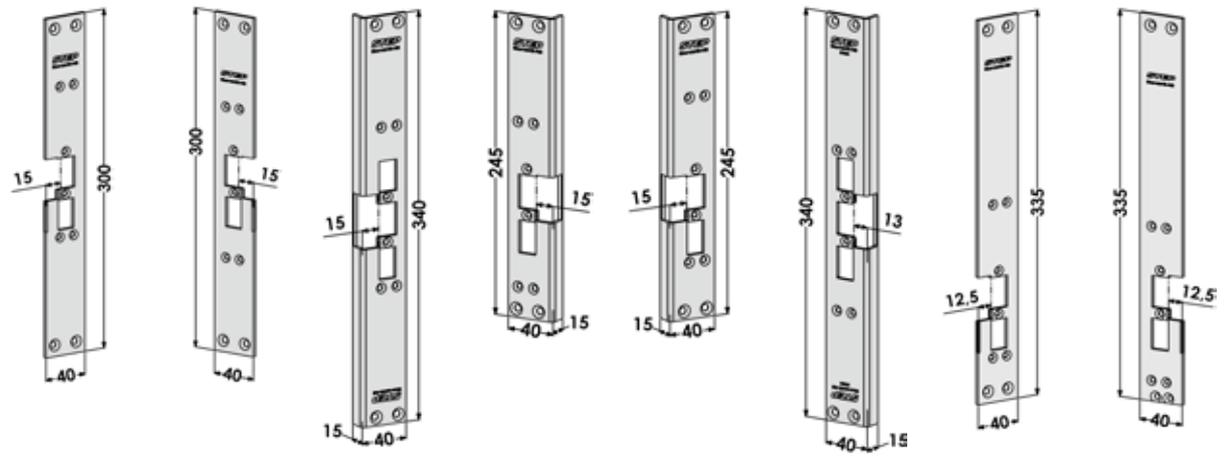
Article no.	Designation	Dimensions	Lip width
ST6069	Angled faceplate left for replacement of Modular to Connect.	245x40x15	13 mm
ST6070	Angled faceplate right for replacement of Modular to Connect.	245x40x15	13 mm

ST6521	Flat faceplate left for replacing ST183-A, ST283-A.	300x40x13	13 mm
ST6522	Flat faceplate right for replacing ST183-B, ST283-B.	300x40x13	13 mm
ST6524	Angled faceplate left for replacing ST184-A, ST284-A.	300x40x27	14 mm
ST6525	Angled faceplate right for replacing ST184-B, ST284-B.	300x40x27	14 mm
ST6526	Faceplate left for replacement of Connect latch lock to Modular series with existing recess in the frame for example for ST6504 or 730.	245x40x15	14 mm
ST6527	Faceplate right for replacement of Connect latch lock to Modular series with existing recess in the frame for example for ST6504 or 730.	245x40x15	14 mm
ST6528	Flat faceplate right for recess in frame for STEP 18 and STEP 28E Secure (faceplate ST183-B, ST283-B) for STEP 60 Silent Modular lock.	300x40	15 mm
ST6529	Flat faceplate left for recess in frame for STEP 18 and STEP 28E Secure (faceplate ST183-A, ST283-A) for STEP 60 Silent Modular lock.	300x40	15 mm
ST6530	Extra long faceplate.	340x40x15	15 mm
ST6531	Faceplate left for replacement of Modular latch lock to Connect series with existing recess in the frame for example for ST6504 or 730.	245x40x15	15 mm
ST6532	Faceplate right for replacement of Modular latch lock to Connect series with existing recess in the frame for example for ST6504 or 730.	245x40x15	15 mm
ST6539	Extra long faceplate.	340x40x15	13 mm
ST6540	Faceplate right for recess in frame for STEP 15 Secure for Fas 981 (ST511-U, ST511-Z).	335x40	12.5 mm
ST6541	Faceplate left for recess in frame for STEP 15 Secure for Fas 981 (ST511-R, ST511-X).	335x40	12.5 mm
ST6546	Flat faceplate left replaces 6213 existing recess single latch.	410x39	12.5 mm
ST6547	Flat faceplate right replaces 6213 existing recess single latch.	410x39	12.5 mm
ST6553	Angled faceplate for single latch.	400x45x20	17 mm
ST6554	Flat faceplate left replaces 6213 existing recess double latch.	410x39	12.5 mm
ST6555	Flat faceplate right replaces 6213 existing recess double latch.	410x39	12.5 mm
ST6568	Flat faceplate left replaces 6213 existing recess double latch, for replacement of Modular to Connect.	410x39	12.5 mm
ST6569	Flat faceplate right replaces 6213 existing recess double latch, for replacement of Modular to Connect.	410x39	12.5 mm
ST6580-A	Flat faceplate left for recess in frame for STEP 18 Secure (faceplate ST187-A) to STEP 60 Silent for Sapa 2074. Must be combined with ST6521 (not included).	340x60	20 mm
ST6580-B	Flat faceplate right for recess in frame for STEP 18 Secure (faceplate ST187-A) to STEP 60 Silent for Sapa 2074. Must be combined with ST6522 (not included).	340x60	20 mm
ST6582	Faceplate for recess in frame for STEP 29 (faceplate ST2916) to STEP 60 Silent.	308x40.5x24	14 mm
ST6584H	Faceplate right for replacement of ST190-B.	300x48	23 mm
ST6584V	Faceplate left for replacement of ST190-A.	300x48	23 mm
ST6596	Stainless steel faceplate left adapted for Sapa 2086 systems. For replacing ST1886-A.	300x70,5	26.5 mm
ST6597	Stainless steel faceplate right adapted for Sapa 2086 systems. For replacing ST1886-B.	300x70,5	26.5 mm
ST6598	Faceplate right that fits where recess in frame is made for STEP 15 Secure and Modular. Where the existing recess is replaced by STEP 60 Silent and Connect.	335x40	15 mm
ST6599	Faceplate left that fits where recess in frame is made for STEP 15 Secure and Modular. Where the existing recess is replaced by STEP 60 Silent and Connect.	335x40	15 mm
ST6612	Corresponds to ST6586 but with 25,5 mm lip width.	240x53	25,5 mm

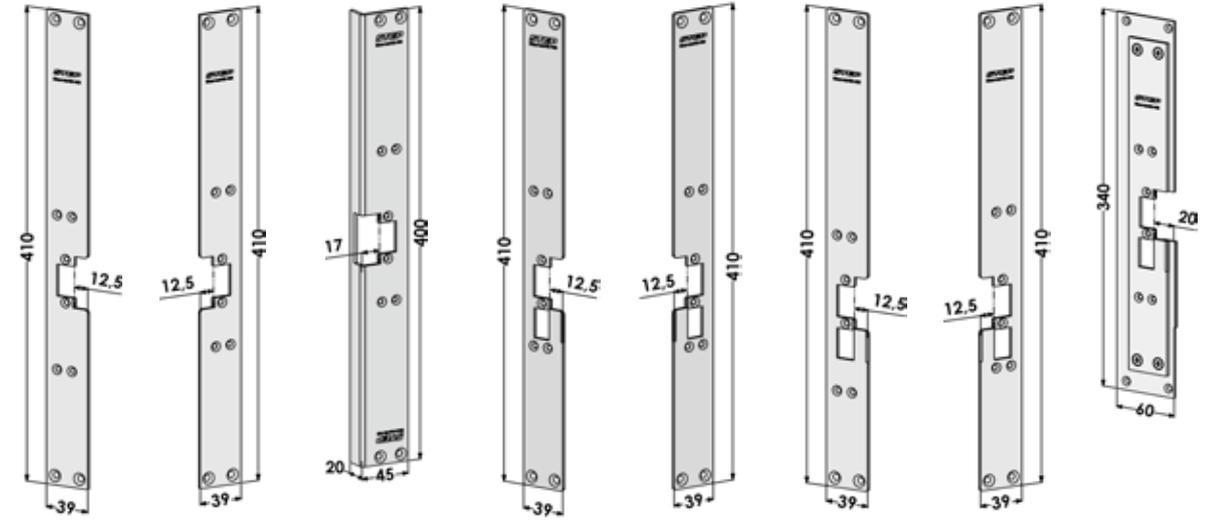
ST6069	ST6070	ST6521	ST6522	ST6524	ST6525	ST6526	ST6527
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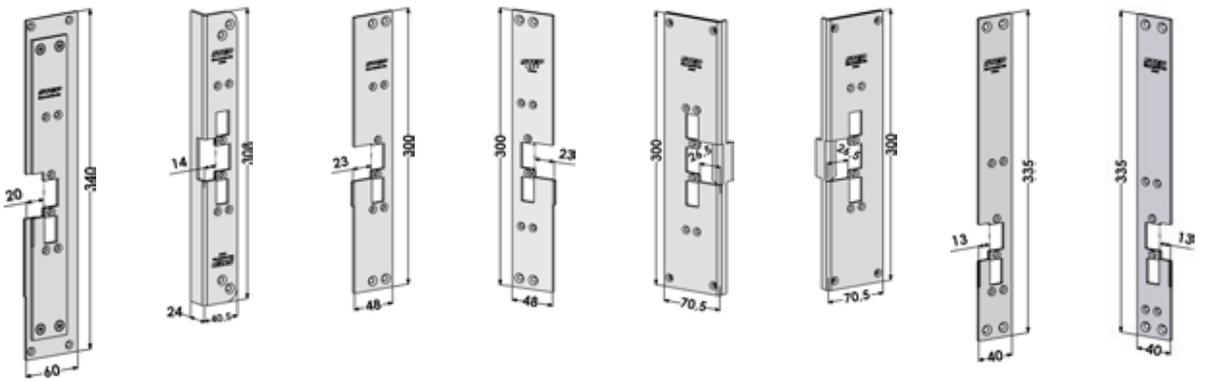
ST6528    ST6529    ST6530    ST6531    ST6532    ST6539    ST6540    ST6541



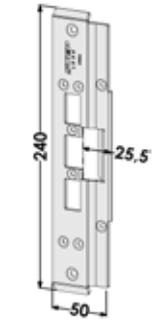
ST6546    ST6547    ST6553    ST6554    ST6555    ST6568    ST6569    ST6580-A



ST6580-B    ST6582    ST6584H    ST6584V    ST6596    ST6597    ST6598    ST6599



ST6612



### L-plate in stainless steel

Article no.	Designation	Dimensions	Lip width
ST6553	Adapted for mounting where the door frame is damaged or recesses for other electric strike is made. For single latch lock Connect or Modul. Left/right	400x45x20	17 mm

### Cover box i stainless steel

Article no.	Designation	Dimensions	Lip width
ST6076	Cover box that can be used instead of electric strikes to obtain a mechanical function. Can be used together with all STEP 60 Silent faceplates.	149.5x28x34	

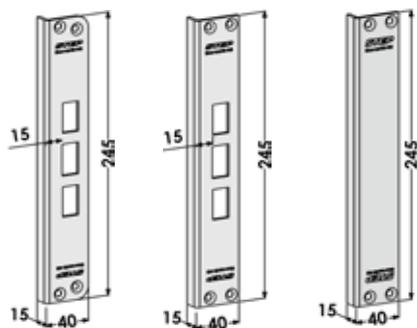
ST6076



### Strike plates and blind faceplate in stainless steel

Article no.	Designation	Dimensions	Lip width
ST6537	Strike plate, angled with rounded corners. Corresponding to SST6515. Left/right.	245x40x15	15 mm
ST6538	Strike plate, angled. Corresponding to ST6504. Left/right.	245x40x15	15 mm
ST6576	Blind faceplate, Angled. Corresponding to ST6504. Left/right.	245x40x15	

ST6537      ST6538      ST6576



### Halogen-free connection cable and connection set

Article no.	Designation
ST1828	Halogen-free connection cable, 5 m for STEP 18/28E Secure and STEP 60 Silent.
ST1828-10	Halogen-free connection cable, 10 m for STEP 18/28E Secure and STEP 60 Silent.
ST1828-20	Halogen-free connection cable, 20 m for STEP 18/28E Secure and STEP 60 Silent.
ST665	Connection set with pins for cable ST1828, ST1828-10, ST1828-20.
ST666	Connection set for ST1828, ST1828-10 and ST1828-20.

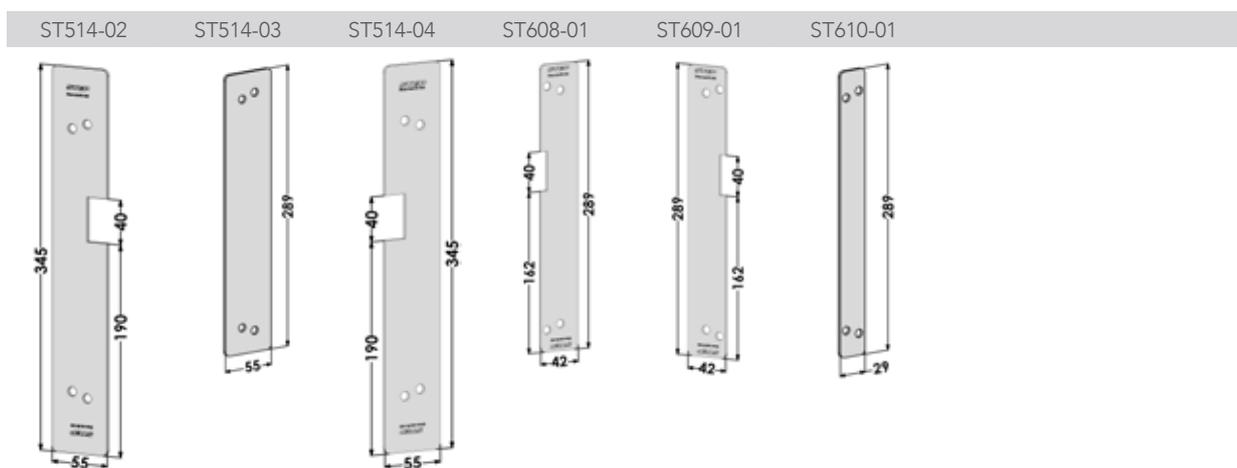
### Screw kit

Article no.	Designation
ST1828S	Screw kit for STEP 18/28E Secure and STEP 60 Silent.

# Reinforcement plates and accessories for STEP 15 Secure

## Stainless steel reinforcement plates for STEP 15 Secure

Article no.	Designation	Dimensions	Lip width
ST514-02	Reinforcement plates outside left for unrebated door.	345x55	
ST514-03	Reinforcement plates inside left/right for unrebated door.	289x55	
ST514-04	Reinforcement plates outside right for unrebated door.	345x55	
ST608-01	Reinforcement plates outside left for rebated door.	289x42	
ST609-01	Reinforcement plates outside right for rebated door.	289x42	
ST610-01	Reinforcement plates inside left/right for rebated door.	289x29	
ST621	Sleeve nut M5 for outside use (fittings included).		
ST622	Sleeve nut M5 for inside use (fittings included).		
ST623	Threaded rod adapted for STEP 15/18/28E Secure reinforcement plates. M5. 200 mm.		



## Strike plates in stainless steel

Article no.	Designation	Dimensions	Lip width
ST701	Strike plate for STEP 15 Secure model ST511 adapted for 8765, 9788, 2000 and Fas 981 or similar.	335x40x45	
ST702	Strike plate for STEP 15 Secure model ST639 and ST664 adapted for 13787, 7787, 9787 or similar.	335x40x45	



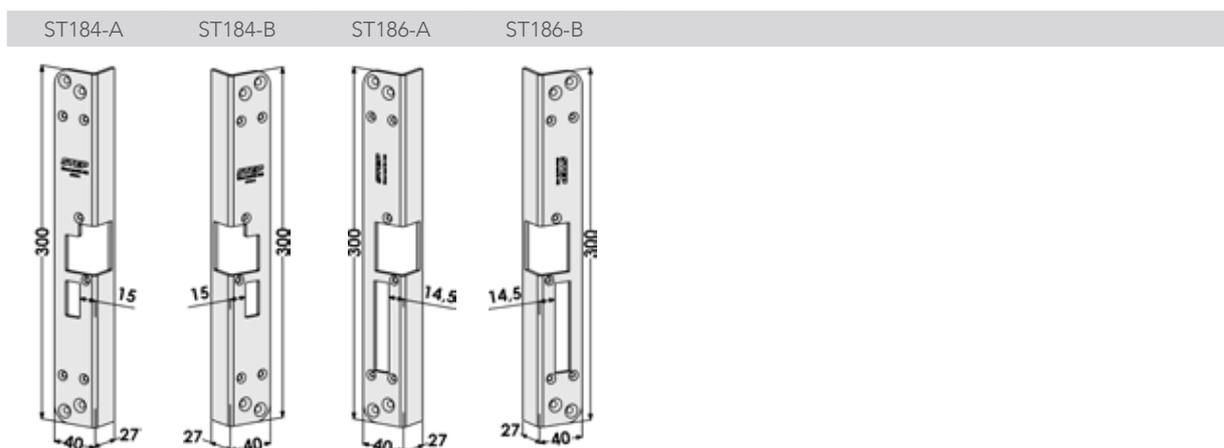
## Halogen-free connection cable

Article no.	Designation
ST5573720	Halogen-free connection cable, 5 m for STEP 15 Secure and STEP 29 Silent.
ST5573720-10	Halogen-free connection cable, 10 m for STEP 15 Secure and STEP 29 Silent.

# Faceplates and accessories for STEP 18 Secure

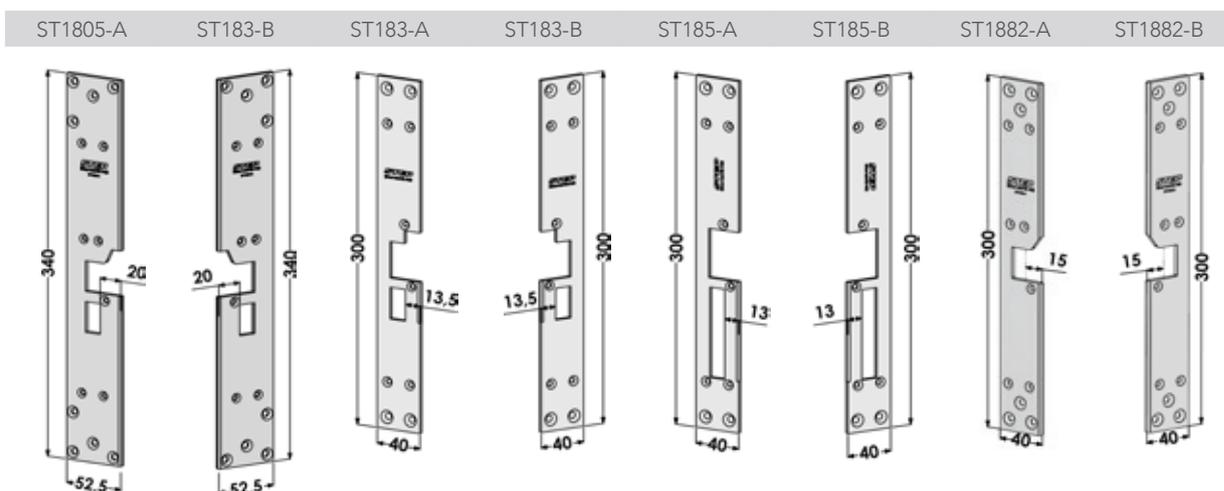
## Angled faceplates in stainless steel for STEP 18 Secure

Article no.	Designation	Dimensions	Lip width
ST184-A	Angled faceplate left for sash lock for Connect/Modular.	300x40x27	15 mm
ST184-B	Angled faceplate right for sash lock for Connect/Modular.	300x40x27	15 mm
ST186-A	Angled faceplate left for Fas/Modular.	300x40x27	14,5 mm
ST186-B	Angled faceplate right for Fas/Modular.	300x40x27	14,5 mm

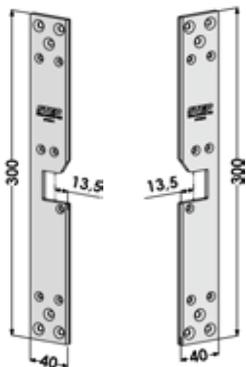


## Flat faceplates in stainless steel for STEP 18 Secure

Article no.	Designation	Dimensions	Lip width
ST1805-A	Flat reinforced faceplate, left. For Connect.	340x52,5	20 mm
ST1805-B	Flat reinforced faceplate, right. For Connect.	340x52,5	20 mm
ST183-A	Flat faceplate left for sash lock for Connect/Modular.	300x40	13,5 mm
ST183-B	Flat faceplate right for sash lock for Connect/Modular.	300x40	13,5 mm
ST185-A	Flat faceplate left for Fas/Modular.	300x40	13 mm
ST185-B	Flat faceplate right for Fas/Modular.	300x40	13 mm
ST1882-A	Flat reinforced faceplate, left. For Connect.	300x40	15 mm
ST1882-B	Flat reinforced faceplate, right. For Connect.	300x40	15 mm
ST1883-A	Flat reinforced faceplate, left. Corresponding to ST1882-A but with lip width 13,5 mm.	300x40	13,5 mm
ST1883-B	Flat reinforced faceplate, right. Corresponding to ST1882-B but with lip width 13,5 mm.	300x40	13,5 mm



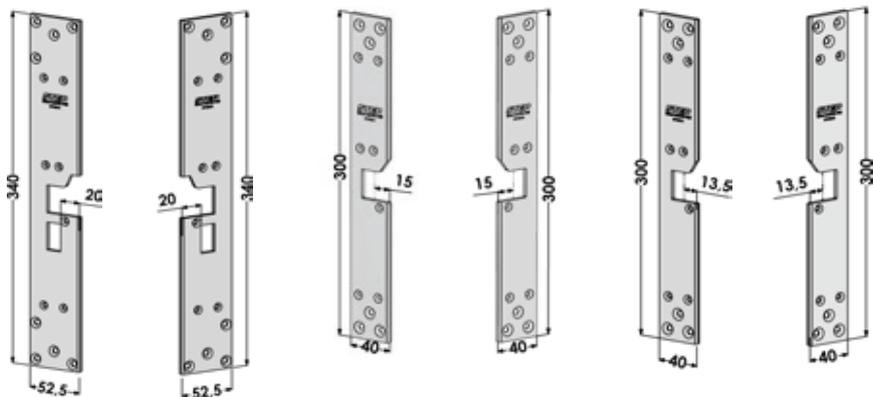
ST1883-A      ST1883-B



**Faceplates in stainless steel for STEP 18 Secure for RC-classified security doors**

Article no.	Designation	Dimensions	Lip width
ST1805-A	Flat reinforced fateplate, left. For Stålprofil system.	340x52,5	20 mm
ST1805-B	Flat reinforced fateplate, right. For Stålprofil system.	340x52,5	20 mm
ST1882-A	Flat reinforced fateplate, left. For Hellbergs door HI-SD-RC3.	300x40	15 mm
ST1882-B	Flat reinforced fateplate, right. For Hellbergs door HI-SD-RC3.	300x40	15 mm
ST1883-A	Flat reinforced faceplate, left. Corresponding to ST1882-A but with lip widht 13,5 mm.	300x40	13.5 mm
ST1883-B	Flat reinforced faceplate, right. Corresponding to ST1882-B but with lip widht 13,5 mm.	300x40	13.5 mm

ST1805-A      ST1805-B      ST1882-A      ST1882-B      ST1883-A      ST1883-B

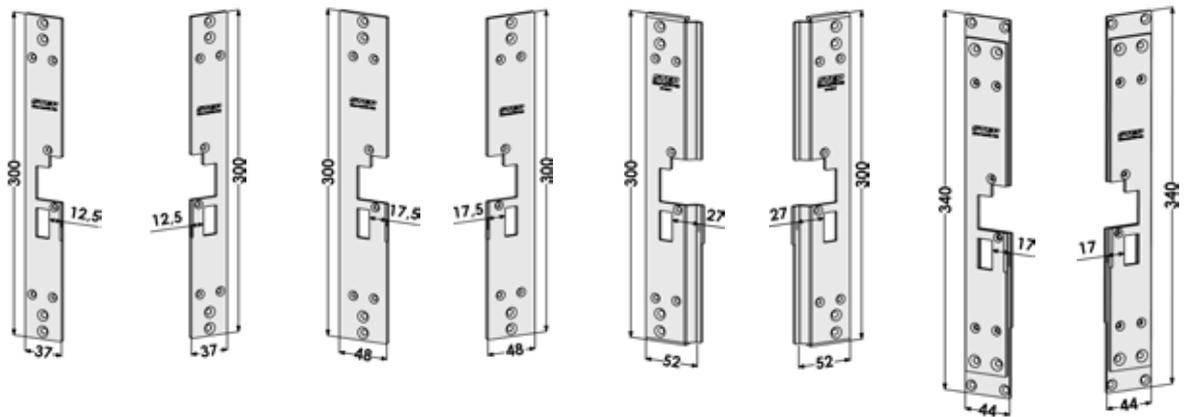


**Faceplates for aluminium systems system in stainless steel for STEP 18 Secure**

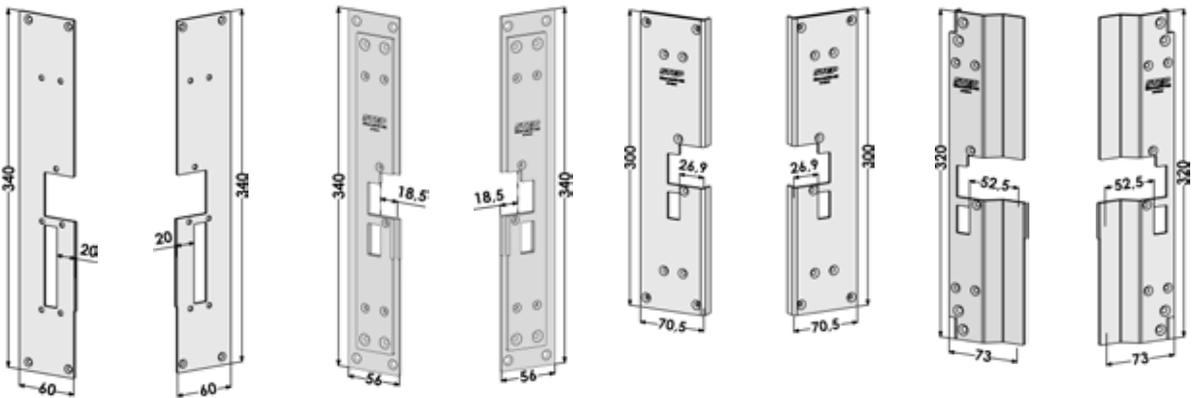
Article no.	Designation	Dimensions	Lip width
ST1801-A	Faceplate left for Wicona Wicstyle 65 Evo. Fits Connect/Modular.	300x37	12.5 mm
ST1801-B	Faceplate right for Wicona Wicstyle 65 Evo. Fits Connect/Modular.	300x37	12.5 mm
ST1802-A	Faceplate left for Wicona Wicstyle 75 Evo. Fits Connect/Modular.	300x48	17.5 mm
ST1802-B	Faceplate right for Wicona Wicstyle 75 Evo. Fits Connect/Modular.	300x48	17.5 mm
ST1806-A	Faceplate left for Schüco ADS 65 HD. Fits Connect/Modular.	300x52	27 mm
ST1806-B	Faceplate right for Schüco ADS 65 HD. Fits Connect/Modular.	300x52	27 mm
ST1865-A	Flat faceplate left for Schüco ADS 65 NI. Mounted with ST183-A or ST185-A. Fits Connect/Modular.	340x44	17 mm
ST1865-B	Flat faceplate right for Schüco ADS 65 NI. Mounted with ST183-B or ST185-B. Fits Connect/Modular.	340x44	17 mm
ST187-A	Flat faceplate left for Sapa 2074. Mounted with ST183-A or ST185-A. Fits Connect/Fas/Modular.	340x60	20 mm
ST187-B	Flat faceplate right for Sapa 2074. Mounted with ST183-B or ST185-B. Fits Connect/Fas/Modular.	340x60	20 mm
ST1879-A	Flat faceplate left adapted for Purso LK78H.	340x56	18,5 mm
ST1879-B	Flat faceplate right adapted for Purso LK78H.	340x56	18,5 mm
ST1886-A	Faceplate left for Sapa 2086. Fits Connect/Modular.	300x70.5	26.9 mm

ST1886-B	Faceplate right for Sapa 2086. Fits Connect/Modular.	300x70.5	26.9 mm
ST1890-A	Angled faceplate left for Schüco ADS 90.SI. Fits Connect/Modular.	320x73	52.5 mm
ST1890-B	Angled faceplate right for Schüco ADS 90.SI. Fits Connect/Modular.	320x73	52.5 mm
ST190-A	Flat faceplate left for hook bolt lock. Fits Connect/Modular.	300x48	24 mm
ST190-B	Flat faceplate right for hook bolt lock. Fits Connect/Modular.	300x48	24 mm
ST195-A	Flat faceplate left for Sapa 2050, Schüco RS 65. Fits Connect/Modular.	300x35	11.5 mm
ST195-B	Flat faceplate right for Sapa 2050, Schüco RS 65. Fits Connect/Modular.	300x35	11.5 mm
ST197-A	Angled faceplate left for Schüco ADS 70 HD. Fits Connect/Modular.	320x54	32 mm
ST197-B	Angled faceplate right for Schüco ADS 70 HD. Fits Connect/Modular.	320x54	32 mm
ST198-A	Flat faceplate left for Wicona Wicstyle 77. Fits Connect/Modular.	320x61	37 mm
ST198-B	Flat faceplate right for Wicona Wicstyle 77. Fits Connect/Modular.	320x61	37 mm
ST199-A	Flat faceplate left for Schüco ADS 75 HD. Fits Connect/Modular.	320x59	37 mm
ST199-B	Flat faceplate right for Schüco ADS 75 HD. Fits Connect/Modular.	320x59	37 mm

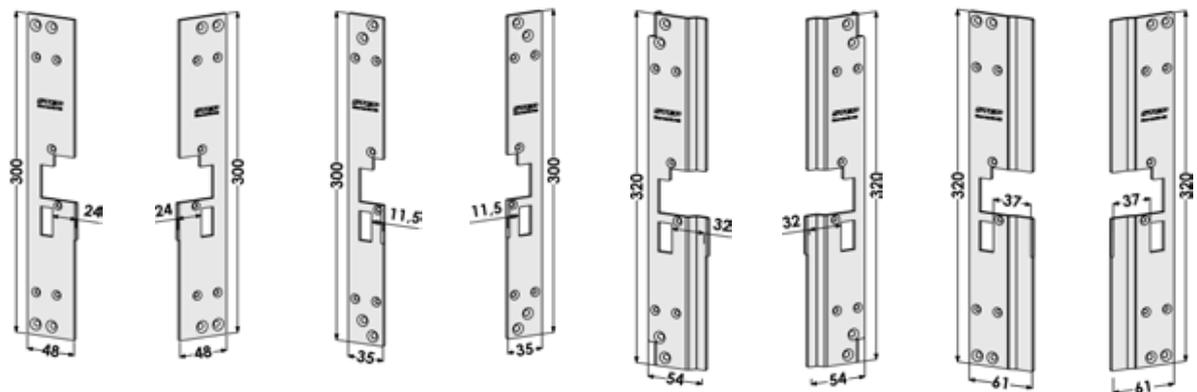
ST1801-A	ST1801-B	ST1802-A	ST1802-B	ST1806-A	ST1906-B	ST1865-A	ST1865-B
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ST187-A	ST187-B	ST1879-A	ST1879-B	ST1886-A	ST1886-B	ST1890-A	ST1890-B
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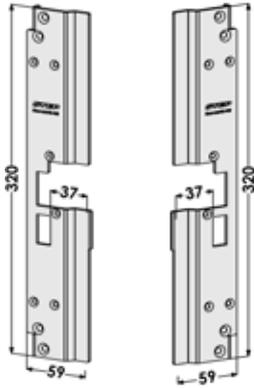


ST190-A	ST190-B	ST195-A	ST195-B	ST197-A	ST197-B	ST198-A	ST198-B
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ST199-A

ST199-B



### Replacement faceplates in stainless steel for STEP 18 Secure

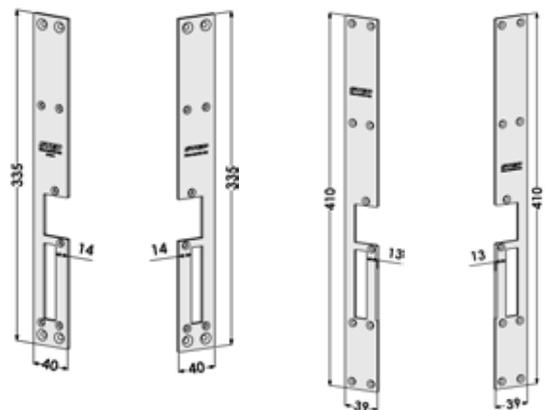
Article no.	Designation	Dimensions	Lip width
ST188-A	Faceplate left that fits where recess in frame is made for STEP 15 Secure art.no ST511 and Fas 981.	335x40	14 mm
ST188-B	Faceplate right that fits where recess in frame is made for STEP 15 Secure art.no ST511 and Fas 981.	335x40	14 mm
ST3095	Faceplate left, replacing existing recess corresponding to Kaba Delta 6213. Fits Fas/Modular.	410x39	13 mm
ST3096	Faceplate right, replacing existing recess corresponding to Kaba Delta 6213. Fits Fas/Modular.	410x39	13 mm

ST188-A

ST188-B

ST3095

ST3096



### Stainless steel reinforcement plates for STEP 18 Secure

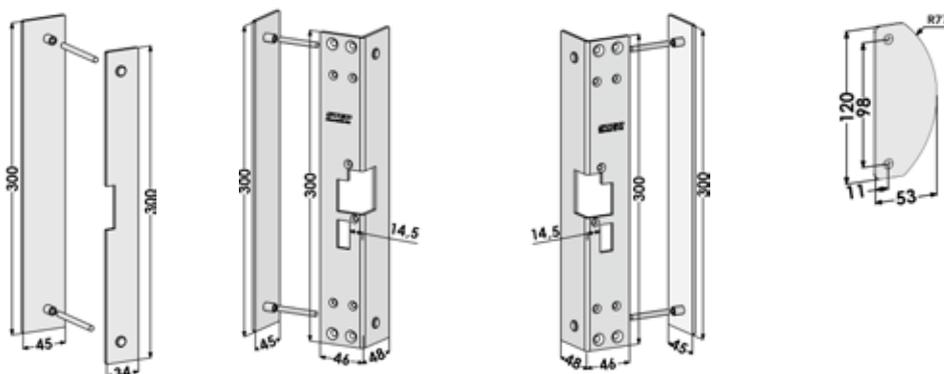
Article no.	Designation	Dimensions	Lip width
ST192	Reinforcement plates kit left/right for rebated door (excluding faceplate). Fits Connect/Fas/Modular.	300x34 + 300x45	
ST194-A	Reinforcement plates kit left (complete with faceplate). Fits Connect/Fas/Modular.	300x46x48 + 300x45	14.5 mm
ST194-B	Reinforcement plates kit right (complete with faceplate). Fits Connect/Fas/Modular.	300x46x48 + 300x45	14.5 mm
ST623	Threaded rod adapted for STEP 15/18/28E Secure reinforcement plates. M5. 200 mm.		
ST3058	Cover plate for STEP 18 Secure.		

ST192

ST194-A

ST194-B

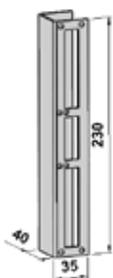
ST3058



## Cover box in stainless steel

Article no.	Designation	Dimensions	Lip width
ST804	Cover box that can be used instead of electric strikes to obtain a mechanical function. Can be used together with all STEP 18/28E Secure faceplates.	230x35x40	

ST804



## Strike plates in stainless steel

Article no.	Designation	Dimensions	Lip width
ST801	Strike plate, flat left/right for faceplate ST183. Fits Connect/Fas/Modular.	300x40	14 mm
ST802-A	Strike plate, angled left for faceplate ST184. Fits Connect/Fas/Modular.	300x40x27	15.5 mm
ST802-B	Strike plate, angled right for faceplate ST184. Fits Connect/Fas/Modular.	300x40x27	15.5 mm
ST803-A	Strike plate, flat with lip left for faceplate ST183. Fits Connect/Modular.	300x40	14 mm
ST803-B	Strike plate, flat with lip right for faceplate ST183. Fits Connect/Fas/Modular.	300x40	14 mm

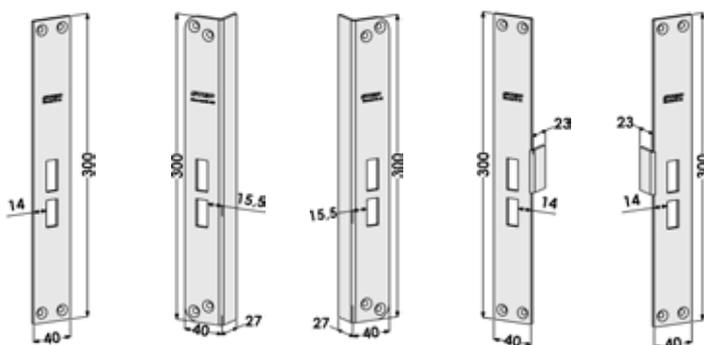
ST801

ST802-A

ST802-B

ST803-A

ST803-B



## Faceplates in stainless steel for STEP 18 Secure for Euro DIN standards

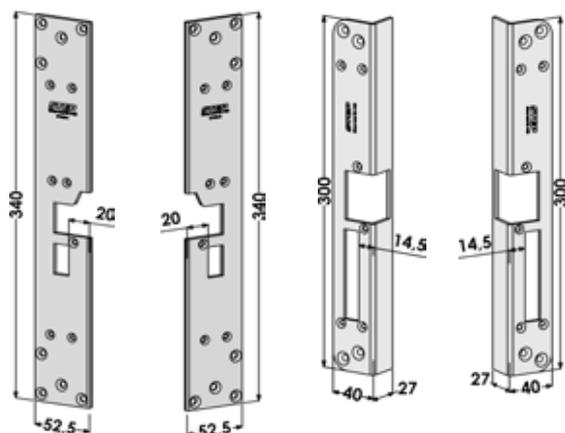
Article no.	Designation	Dimensions	Lip width
ST185-A	Flat faceplate right for DIN standard locks.	300x40	13 mm
ST185-B	Flat faceplate left for DIN standard locks.	300x40	13 mm
ST186-A	Angled faceplate right for DIN standard locks.	300x40x27	14.5 mm
ST186-B	Angled faceplate left for DIN standard locks.	300x40x27	14.5 mm

ST185-A

ST185-B

ST186-A

ST186-B



## Halogen-free connection cable and connection set for Scandinavian and Euro DIN standards

Article no.	Designation
ST1828	Halogen-free connection cable, 5 m for STEP 18/28E Secure and STEP 60 Silent.
ST1828-10	Halogen-free connection cable, 10 m for STEP 18/28E Secure and STEP 60 Silent.
ST1828-20	Halogen-free connection cable, 20 m for STEP 18/28E Secure and STEP 60 Silent.
ST665	Connection set with pins for cable ST1828, ST1828-10, ST1828-20.
ST666	Connection set for ST1828, ST1828-10 and ST1828-20.

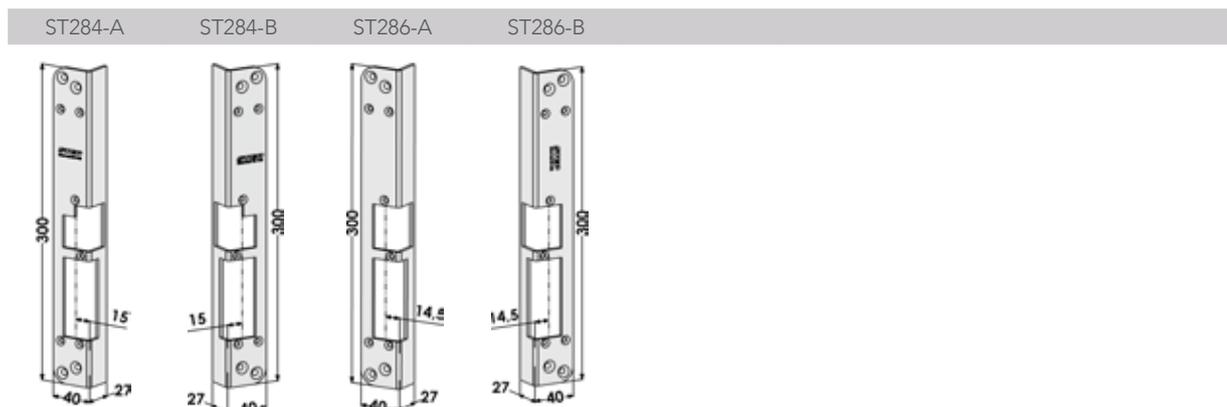
## Screw kit for Scandinavian and Euro DIN standards

Article no.	Designation
ST1828S	Screw kit for STEP 18/28E Secure and STEP 60 Silent.

# Faceplates and accessories for STEP 28E Secure

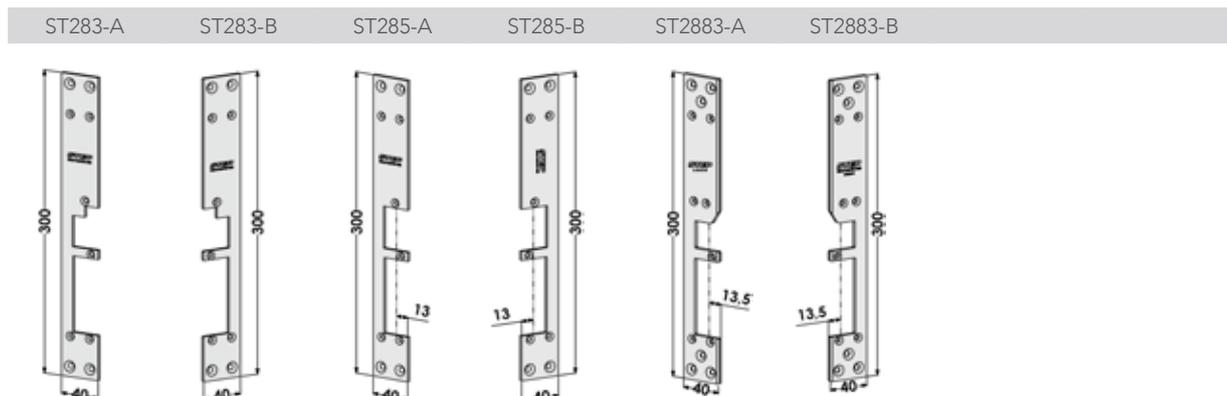
## Angled faceplates in stainless steel for STEP 28E Secure

Article no.	Designation	Dimensions	Lip width
ST284-A	Angled faceplate left for sash lock for Connect/Modular.	300x40x27	15 mm
ST284-B	Angled faceplate right for sash lock for Connect/Modular.	300x40x27	15 mm
ST286-A	Angled faceplate left for Fas/Modular.	300x40x27	14.5 mm
ST286-B	Angled faceplate right for Fas/Modular.	300x40x27	14.5 mm



## Flat faceplates in stainless steel for STEP 28E Secure

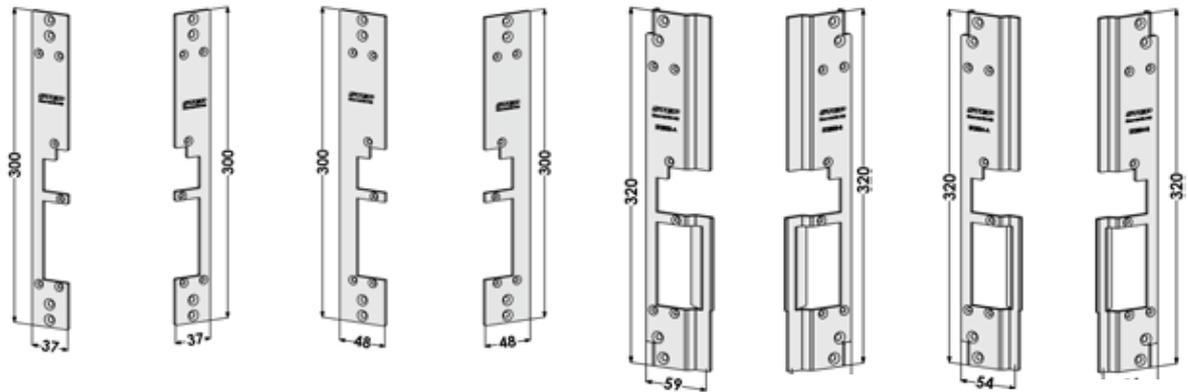
Article no.	Designation	Dimensions	Lip width
ST283-A	Flat faceplate left for sash lock for Connect/Modular.	300x40	13.5 mm
ST283-B	Flat faceplate right for sash lock for Connect/Modular.	300x40	13.5 mm
ST285-A	Flat faceplate left for Fas/Modular.	300x40	13 mm
ST285-B	Flat faceplate right for Fas/Modular.	300x40	13 mm
ST2883-A	Reinforced faceplate, left. Corresponds to ST283-A.	300x40	13,5 mm
ST2883-B	Reinforced faceplate, right. Corresponds to ST283-B.	300x40	13,5 mm



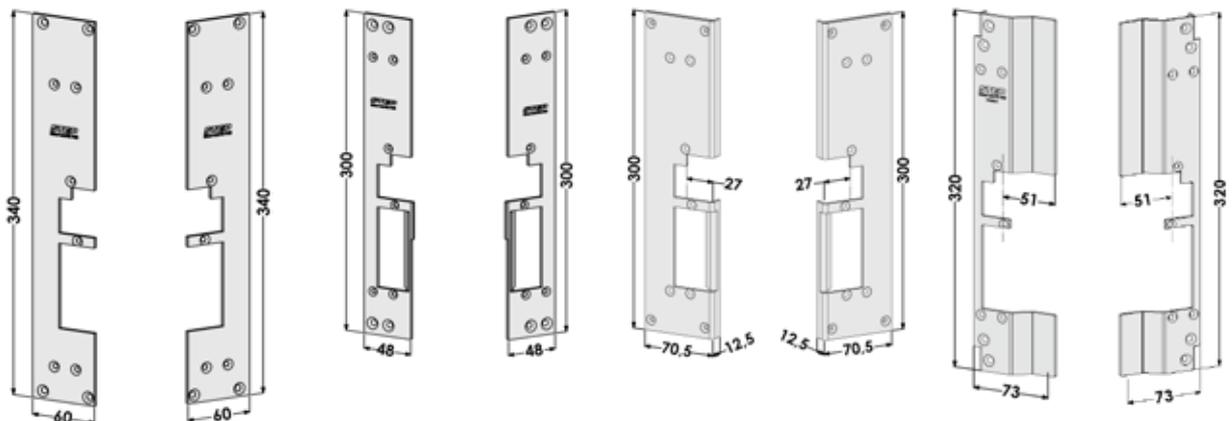
## Faceplates for aluminium systems system in stainless steel for STEP 28E Secure

Article no.	Designation	Dimensions	Lip width
ST2801-A	Flat faceplate left for Wicstyle 65 Evo. Fits Connect/Modular.	300x37	
ST2801-B	Flat faceplate right for Wicstyle 65 Evo. Fits Connect/Modular.	300x37	
ST2802-A	Flat faceplate left for Wicstyle 75 Evo. Fits Connect/Modular.	300x48	
ST2802-B	Flat faceplate right for Wicstyle 75 Evo. Fits Connect/Modular.	300x48	
ST2803-A	Flat faceplate left for Schüco ADS75. Fits Connect/Modular.	320x59	
ST2803-B	Flat faceplate right for Schüco ADS75. Fits Connect/Modular.	320x59	
ST2804-A	Flat faceplate left for Schüco ADS70. Fits Connect/Modular.	320x54	
ST2804-B	Flat faceplate right for Schüco ADS70. Fits Connect/Modular.	320x54	
ST287-A	Flat faceplate left for Sapa 2074. Fits Connect/Fas/Modular.	340x60	
ST287-B	Flat faceplate right for Sapa 2074. Fits Connect/Modular.	340x60	
ST288-A	Flat faceplate left for Wicona 65, Schüco ADS 80 FR. Fits Connect/Modular.	300x48	
ST288-B	Flat faceplate right for Wicona 65, Schüco ADS 80 FR. Fits Connect/Modular.	300x48	
ST2886-A	Flat faceplate left for Sapa 2086. Fits Connect/Modular.	300x70.5	34.3 mm
ST2886-B	Flat faceplate right for Sapa 2086. Fits Connect/Modular.	300x70.5	34.3 mm
ST2890-A	Flat faceplate left for Schüco ADS 90.SI.	320x73	51 mm
ST2890-B	Flat faceplate right for Schüco ADS 90.SI.	320x73	51 mm
ST295-A	Flat faceplate left for Sapa 2050, Schüco RS 65. Fits Connect/Modular.	300x35	
ST295-B	Flat faceplate right for Sapa 2050, Schüco RS 65. Fits Connect/Modular.	300x35	

ST2801-A ST2801-B ST2802-A ST2802-B ST2803-A ST2803-B ST2804-A ST2804-B

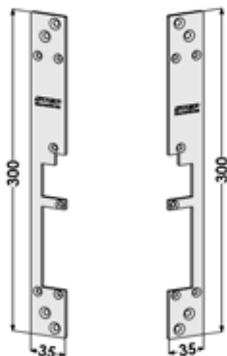


ST287-A ST287-B ST288-A ST288-B ST2886-A ST2886-B ST2890-A ST2890-B



ST295-A

ST295-B



### Strike plates in stainless steel

Article no.	Designation	Dimensions	Lip width
ST801	Strike plate, flat left/right for faceplate ST283. Fits Connect/Fas/Modular.	300x40	14 mm
ST802-A	Strike plate, angled left for faceplate ST284. Fits Connect/Fas/Modular.	300x40x27	15.5 mm
ST802-B	Strike plate, angled right for faceplate ST284. Fits Connect/Fas/Modular.	300x40x27	15.5 mm
ST803-A	Strike plate, flat left with lip for replacing faceplate ST283. Fits Connect/Fas/Modular.	300x40	14 mm
ST803-B	Strike plate, flat right with lip for replacing faceplate ST283. Fits Connect/Fas/Modular.	300x40	14 mm
ST805-A	Strike plate, flat left with lip for replacing faceplate ST283. Fits Connect/Fas/Modular.	300x40	14 mm
ST805-B	Strike plate, flat right with lip for replacing faceplate ST283. Fits Connect/Fas/Modular.	300x40	14 mm

ST801

ST802-A

ST802-B

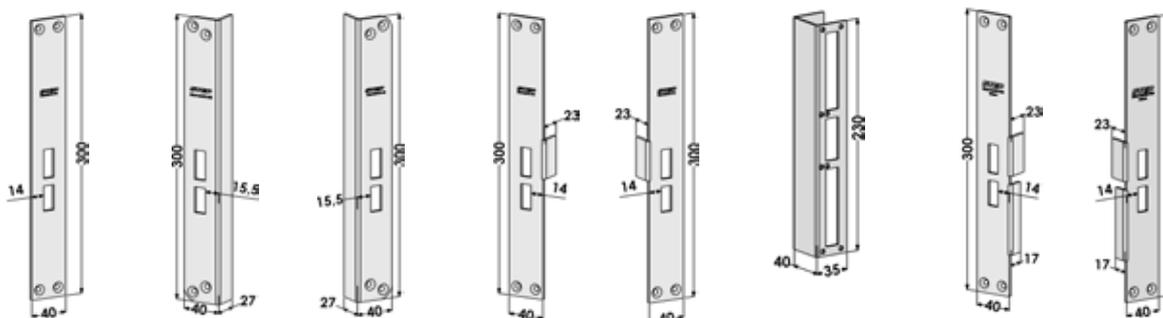
ST803-A

ST803-B

ST804

ST805-A

ST805-B



### Cover box in stainless steel

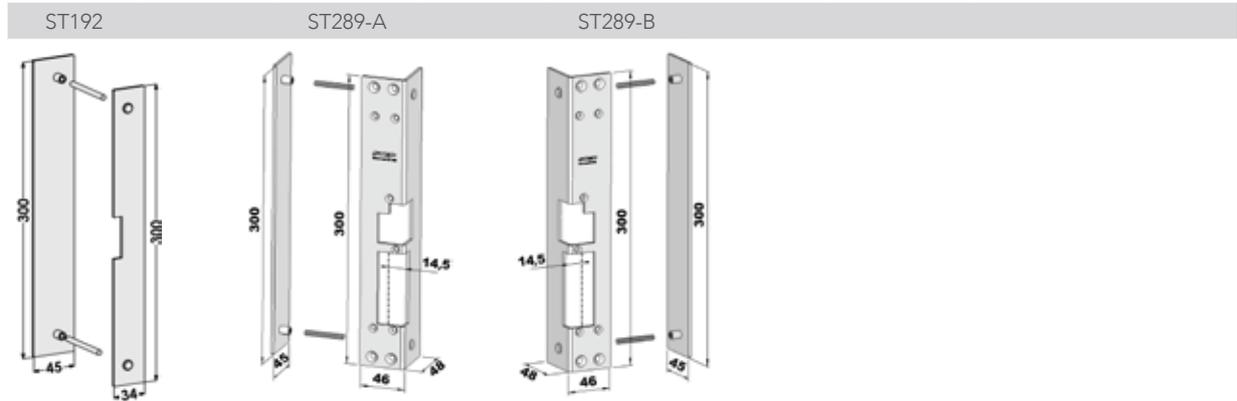
Article no.	Designation	Dimensions	Lip width
ST804	Cover box that can be used instead of electric strikes to obtain a mechanical function. Can be used together with all STEP 18/28E Secure stolpar.	230x35x40	

ST804



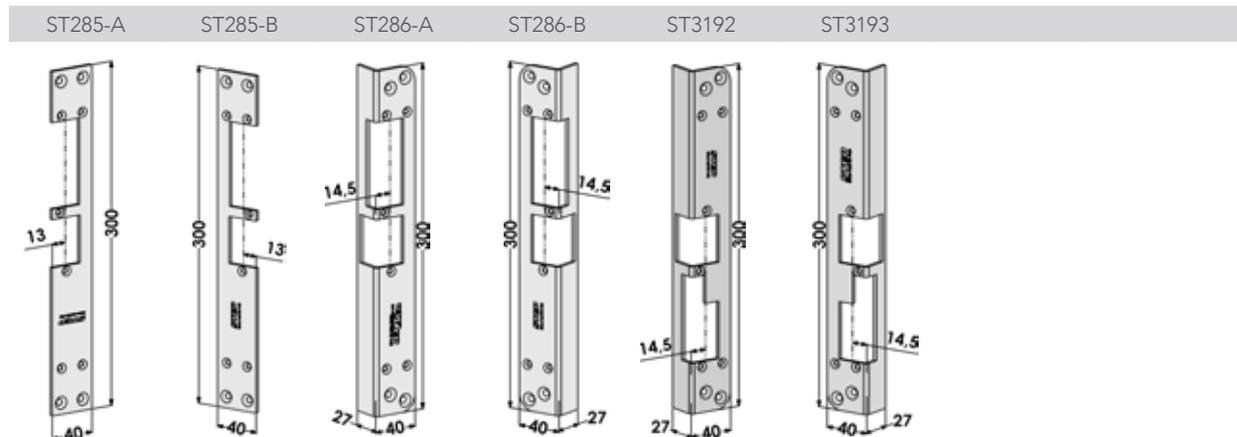
## Reinforcement plates for STEP 28E Secure in stainless steel including threaded rod and sleeve nuts

Article no.	Designation	Dimensions	Lip width
ST192	Reinforcement plates kit left/right for rebated door (excluding faceplate). Fits Connect/Fas/Modular.	300x34 + 300x45	
ST289-A	Reinforcement plates kit left (complete with faceplate). Fits Connect/Modular.	300x46x48 + 300x45	14.5 mm
ST289-B	Reinforcement plates kit right (complete with faceplate). Fits Connect/Modular.	300x46x48 + 300x45	14.5 mm
ST623	Threaded rod adapted for STEP 15/18/28E Secure reinforcement plates. M5. 200 mm.		



## Faceplates in stainless steel for STEP 28E Secure for Euro DIN standards

Article no.	Designation	Dimensions	Lip width
ST285-A	Flat faceplate right for Euro DIN standard locks.	300x40	13 mm
ST285-B	Flat faceplate left for Euro DIN standard locks.	300x40	13 mm
ST286-A	Angled faceplate right for Euro DIN standard locks.	300x40x27	14.5 mm
ST286-B	Angled faceplate left for Euro DIN standard locks.	300x40x27	14.5 mm
ST3192	Angled faceplate right with rounded corners for Euro DIN standard locks.	300x40x27	14.5 mm
ST3193	Angled faceplate left with rounded corners for Euro DIN standard locks.	300x40x27	14.5 mm



## Halogen-free connection cable and connection set for Scandinavian and Euro DIN standards

Article no.	Designation
ST1828	Halogen-free connection cable, 5 m for STEP 18/28E Secure and STEP 60 Silent.
ST1828-10	Halogen-free connection cable, 10 m for STEP 18/28E Secure and STEP 60 Silent.
ST1828-20	Halogen-free connection cable, 20 m for STEP 18/28E Secure and STEP 60 Silent.
ST665	Connection set with pins for cable ST1828, ST1828-10, ST1828-20.
ST666	Connection set for ST1828, ST1828-10 and ST1828-20.

## Screw kit for Scandinavian and Euro DIN standards

Article no.	Designation
ST1828S	Screw kit for STEP 18/28E Secure and STEP 60 Silent.

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*When it has to work.*



# Exchange guide

On the following pages is a summary of specific solutions that can facilitate your choice of faceplate and electric strike when changing the door function or replacing the electric strike. Note that this is only a selection of faceplates for STEP's electric strikes. To see all the faceplates for each product, go to [www.steplock.com](http://www.steplock.com).

## Strike plates and cover boxes

Article no.	Designation		Door hanging
<b>Strike plates and blind faceplate for STEP 40/90/48/98/92 Preload, STEP 90/92 Release and STEP 60 Silent</b>		<b>For replacing of</b>	
ST6537	Strike plate, angled with rounded corners.	ST4003-15/ST9502/ST6515	Left/right
ST6538	Strike plate, angled.	ST4002-15/ST9501/ST6504	
ST6576	Blind faceplate, angled.	ST4002-15/ST9501/ST6504	
<b>Strike plates for STEP 15 Secure</b>		<b>For replacing of</b>	
ST701	Strike plate.	ST511	Left/right
ST702	Strike plate.	ST639/ST664	
<b>Strike plates for STEP 18/28E Secure</b>		<b>For replacing of</b>	
ST801	Strike plate, flat.	ST183/ST283	Left/right
ST803-A	Strike plate, flat with lip for bolt.	ST183/ST283	Left
ST803-B	Strike plate, flat with lip for bolt.	ST183/ST283	Right
ST802-A	Strike plate, angled.	ST184/ST284	Left
ST802-B	Strike plate, angled.	ST184/ST284	Right
ST805-A	Strike plate, flat with lip for bolt and pressure bolt.	ST283-A/ST285-A	Left
ST805-B	Strike plate, flat with lip for bolt and pressure bolt.	ST283-B/ST285-B	Right
<b>Cover boxes. For use instead of electric strikes to receive a mechanical function.</b>		<b>Can be mounted together with</b>	
ST2940	Cover box for use instead of STEP 29 Silent.	All STEP 29 Silent faceplates	Left/right
ST3076	Cover box for use instead of STEP 30 Preload.	All STEP 30 Preload faceplates	
ST4076	Cover box for use instead of STEP 40/90/48/98 Preload or STEP 90 Release.	All STEP 40/90/48/98 Preload, STEP 90 Release faceplates	
ST4876	Cover box for use instead of STEP 40/90/48/98 Preload or STEP 90 Release. Adapted for use together with STEP dead bolt indicator ST4880.		
ST6076	Cover box for use instead of STEP 60 Silent.	All STEP 60 Silent faceplates	
ST804	Cover box for use instead of STEP 18/28E Secure.	All STEP 18/28E Secure faceplates	
ST9276	Cover box for use instead of STEP 92 Preload/Release.	All STEP 92 Preload/Release faceplates	

## Faceplates for steel systems

### Faceplates for Jansen steel systems

System	STEP 30 Preload	STEP 40/90/48/98 Preload, STEP 90 Release	STEP 92 Preload, STEP 92 Release	STEP 60 Silent	STEP 18 Secure	STEP 28E Secure
Jansen Economy 50	-	ST4090	ST9590	ST6590	-	-
Jansen Janisol 2	-	ST4092	ST9592	ST6592	-	-
Jansen Janisol HI	-	ST4087-23	-	-	-	-

## Faceplates for RC-classified security doors

System	STEP 30 Preload	STEP 40/90/48/98 Preload, STEP 90 Release	STEP 92 Preload, STEP 92 Release	STEP 60 Silent	STEP 18 Secure	STEP 28E Secure
Stålprofil system 55000	-	-	-	-	ST1805	-
Stålprofil system 77000	-	-	-	-	ST1805	-
Hellbergs HI-SD-RC3	-	-	-	-	ST1882-A/-B ST1883-A/-B	-

## Faceplates for aluminium systems

### Faceplates for Schüco aluminium systems

System	STEP 30 Preload	STEP 40/90/48/98 Preload, STEP 90 Release	STEP 92 Preload, STEP 92 Release	STEP 60 Silent	STEP 18 Secure	STEP 28E Secure
Schüco ADS 50.NI	-	ST4040	ST9545	ST6513	ST195	ST295
Schüco ADS 65 HD	ST3513	ST4026	ST9512	ST6516	ST1806	ST2805
Schüco ADS 65 NI	-	-	ST9544	ST6579	ST1865	-
Schüco ADS 70 HD	ST3514	ST4027	ST9513	ST6517	ST197	ST2804
Schüco ADS 75 HD	ST3515	ST4028	ST9514	ST6572	ST199	ST2803
Schüco ADS 80	ST3516	ST4035	ST9529	ST6503	ST190	ST288
Schüco ADS 90 SI	-	ST4052	ST9548	ST6583	ST1890	-
Schüco ADS Simply Smart 75	-	ST4093	ST9593H/V	ST6593	-	-

### Faceplates for Wicona aluminium systems

System	STEP 30 Preload	STEP 40/90/48/98 Preload, STEP 90 Release	STEP 92 Preload, STEP 92 Release	STEP 60 Silent	STEP 18 Secure	STEP 28E Secure
Wicona 65 N outward operation	-	ST4035	ST9529	ST6503	ST190	ST288
Wicona 65 N inward operation	-	ST4020	ST9528	ST6511	-	-
Wicona 65 Evo	-	ST4031	ST9516	ST6574	ST1801	ST2801
Wicona 75 Evo	-	ST4032	ST9517	ST6575	ST1802	ST2802
Wicona 77 FP	-	ST4032	ST9517	ST6575	ST1802	ST2802
Wicona 77 outward operation	-	-	-	ST6519	ST198	-

### Faceplates for Sapa aluminium systems

System	STEP 30 Preload	STEP 40/90/48/98 Preload, STEP 90 Release	STEP 92 Preload, STEP 92 Release	STEP 60 Silent	STEP 18 Secure	STEP 28E Secure
Sapa 2050	ST3511-13	ST4034	ST9527	ST6513/6585	ST195	ST295
Sapa 2060	ST3512	ST4033	ST9526	ST6509	-	-
Sapa 2074	ST3510	ST4023	ST9511 ST9511H ST9511V	ST6502	ST187 (+183)	ST287
Sapa 2086	ST3586	ST4086	ST9586 ST9551H ST9551V	ST6586	ST1886	ST2886

### Faceplates for Purso aluminium systems

System	STEP 30 Preload	STEP 40/90/48/98 Preload, STEP 90 Release	STEP 92 Preload, STEP 92 Release	STEP 60 Silent	STEP 18 Secure	STEP 28E Secure
Purso LK78H	-	ST4079	-	-	ST1879-A/-B	-

# Faceplates for wooden and steel frames

Here is a list of the most common faceplates for switching between different electric strikes for latch locks in wooden and steel frames.

STEP 30 Preload	STEP 40/90/48/98 Preload, STEP 90 Release	STEP 92 Preload, STEP 92 Release	STEP 60 Silent	Solid single	Solid standard	Solid extra heavy duty	Assa 900	Strike plate
ST3504	-	-	-	505	-	-	-	
ST3503	ST4007	-	-	507	-	-	-	
ST3501	ST4051	-	-	510	-	-	-	
ST3502	-	-	-	511	-	-	-	
ST3551	-	-	-	511T	-	-	-	
ST3505	ST4025	-	-	512	-	-	-	
ST3506	ST4048	-	-	520	-	-	-	
ST3507	ST4048	-	-	521	-	-	-	
ST3508	-	-	-	528	-	-	-	
-	ST4038	ST9532	ST6506	-	725	-	-	
-	ST4041/4066	ST9541	ST6508	-	-	824	-	
-	ST4002-10	-	ST6605	-	-	-	-	
-	ST4002-13	ST9518	ST6514	-	-	-	-	
-	ST4002-15	ST9501	ST6504 (H/V**)	-	730	830	930	
-	ST4002-17	ST9550	ST6557	-	-	-	-	
-	ST4003-12	ST9536	ST6518	-	-	-	-	
-	ST4003-15	ST9502	ST6515	-	730T/732T	830T	930T/932T	
-	ST4003-21	-	-	-	-	-	-	
-	ST4001-10	ST9546	-	-	-	-	-	
-	ST4001-13	ST9547	ST6514	-	-	-	-	
-	ST4001-15	ST9515	ST6505	-	731	-	-	
-	ST4001-17	ST9503	ST6558	-	731-17/733-17	-	931-17/933-17	
-	ST4001-20	ST9504	ST6559	-	731-20/733-20	-	931-20/933-20	
-	ST4001-26	ST9505	ST6510	-	731-26/733-26	-	931-26/933-26	
-	ST4060-15	ST9501	ST6545	-	732	-	932	
-	ST4008	-	ST6511	-	735	-	-	
-	ST4026	ST9512	ST6516	-	737	-	-	
ST3541	ST4010-12	-	-	-	-	-	-	1264-1
-	ST4012-15/ 4011-12	-	-	-	-	-	-	1264-1*
ST3526	ST4006	ST9507	-	-	-	-	-	1887-1*
ST3528	ST4030-12	ST9506	-	-	-	-	-	1887-1
-	-	ST9509	-	-	-	-	-	1887-2*
ST3535	ST4030-15	ST9508	-	-	750	-	-	1887-2
ST3527	-	-	-	-	-	-	-	1887-3*
ST3536	ST4030-18	-	-	-	-	-	-	1887-3
ST3537	ST4030-20	-	-	-	-	-	-	1887-4
ST3529-1	ST4009-13	-	-	-	-	-	-	1487-1
-	ST4005-13	-	-	-	-	-	-	1487-1*
ST3529-2	ST4009-16	-	-	-	-	9487-2	-	1487-2
-	ST4005-15	-	-	-	-	-	-	1487-2*
-	ST4009-20	-	-	-	-	9487-3	-	1487-3
-	ST4005-20	-	-	-	-	-	-	1487-3*
-	ST4009-21	-	-	-	-	9487-4	-	1487-4
-	ST4005-21	-	-	-	-	-	-	1487-4*

\* Faceplate corresponding to strike plate with angle at front

\*\* When replacing 730, ST6504V/H is used

# Faceplates designed for change of door function

The tables show which products are suitable for changing different door functions.

## Change from Modular lock case to Connect lock case

Existing locking			New locking		
Lock case	Electric strike	Faceplate	Lock case	Electric strike	Faceplate
Change from Modular lock case to Connect lock case					
Modular latch lock	STEP 40/90/48/98 Preload, STEP 90 Release	ST4002-15	Connect latch lock	STEP 40/90/48/98 Preload, STEP 90 Release	ST4049/4050
				STEP 92 Preload, STEP 92 Release	ST9519V/H
				STEP 60 Silent	ST6531/6532
	STEP 92 Preload, STEP 92 Release	ST9501V/H	Connect latch lock	STEP 92 Preload, STEP 92 Release	ST9519V/H
				STEP 60 Silent	ST6531/6532
				STEP 40/90/48/98 Preload, STEP 90 Release	ST4049/4050
	STEP 60 Silent	ST6504	Connect latch lock	STEP 92 Preload, STEP 92 Release	ST9519V/H
				STEP 60 Silent	ST6531/6532
			ST6514	Connect latch lock	STEP 40/90/48/98 Preload, STEP 90 Release
			STEP 60 Silent	ST6069/6070	

## Change from Connect lock case to Modular lock case

Existing locking			New locking		
Lock case	Electric strike	Faceplate	Lock case	Electric strike	Faceplate
Change from Connect lock case to Modular lock case					
Connect latch lock	STEP 40/90/48/98 Preload, STEP 90 Release	ST4002-15	Modular latch lock	STEP 40/90/48/98 Preload, STEP 90 Release	ST4049/4050
				STEP 60 Silent	ST6526/6527
				STEP 92 Preload, STEP 92 Release	ST9560V/H
	STEP 60 Silent	ST6504	Modular latch lock	STEP 40/90/48/98 Preload, STEP 90 Release	ST4049/4050
				STEP 60 Silent	ST6526/6527
				STEP 92 Preload, STEP 92 Release	ST9560V/H
	STEP 92 Preload, STEP 92 Release	ST9501V/H	Modular latch lock	STEP 40/90/48/98 Preload, STEP 90 Release	ST4049/4050
				STEP 60 Silent	ST6526/6527
				STEP 92 Preload, STEP 92 Release	ST9560V/H
	STEP 30 Preload	ST3502	Modular latch lock	STEP 30 Preload	ST3539V/H

**Change from electric strike mounted against upper latch bolt to electric strike mounted against lower latch bolt according to Scandinavian range, Connect, Modular,**

Existing locking			New locking		
Lock case	Electric strike	Faceplate	Lock case	Electric strikes	Faceplate
Change from electric strike mounted against upper latch bolt to electric strike mounted against lower latch bolt					
Upper latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4002-15	Lower latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4853/4854
		ST4002-13	Lower latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4855/4856
		ST4001-15	Lower latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4857/4858
	STEP 60 Silent	ST6504	Lower latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4853/4854
		ST6514	Lower latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4855/4856
		ST6505	Lower latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4857/4858

**Change from electric strike mounted against lower latch bolt to electric strike mounted against upper latch bolt according to Scandinavian range, Connect, Modular,**

Existing locking			New locking		
Lock case	Electric strike	Faceplate	Lock case	Electric strikes	Faceplate
Change from electric strike mounted against lower latch bolt to electric strike mounted against upper latch bolt					
Lower latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4002-15	Upper latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4853/4854
		ST4002-13	Upper latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4855/4856
		ST4001-15	Upper latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4857/4858
	STEP 60 Silent	ST6504	Upper latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4853/4854
		ST6514	Upper latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4855/4856
		ST6505	Upper latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4857/4858
		ST6586	Upper latch bolt	STEP 40/90/48/98 Preload, STEP 90 Release	ST4081

**Change from STEP 15 Secure to STEP 60 Silent, STEP 18 Secure**

Existing locking			New locking		
Lock case	Electric strike	Faceplate	Lock case	Electric strike	Faceplate
Change from STEP 15 Secure to STEP 60 Silent, STEP 18 Secure					
Fas 981	STEP 15 Secure	ST511-U/ST511-Z	Connect latch lock	STEP 60 Silent	ST6540
			Fas 981	STEP 18 Secure	ST188-B
		ST511-R/ST511-X	Fas 981	STEP 18 Secure	ST188-A
			Connect latch lock	STEP 60 Silent	ST6541
Modular dead lock/ sash lock	STEP 15 Secure	ST511-C/ST511-K	Modular dead lock/ sash lock	STEP 18 Secure	ST188-A
			Modular dead lock/ sash lock	STEP 18 Secure	ST188-B
		ST511-G/ST511-O	Connect latch lock	STEP 60 Silent	ST6599
			Connect latch lock	STEP 60 Silent	ST6598

### Change from STEP 18/28E Secure to STEP 40/90/48/98/92 Preload, STEP 90/92 Release or STEP 60 Silent

Existing locking			New locking		
Lock case	Electric strike	Faceplate	Lock case	Electric strike	Faceplate
Change from STEP 18/28E Secure to STEP 40/90/48/98/92 Preload, STEP 90/92 Release or STEP 60 Silent					
Connect dead lock/ sash lock	STEP 18/28E Secure	ST283/ST183	Connect latch lock	STEP 40/90/48/98 Preload STEP 90 Release	ST4055/4056
				STEP 60 Silent	ST6521/6522
			Modular latch lock	STEP 92 Preload, STEP 92 Release	ST9521/9522
				STEP 60 Silent	ST6528/6529
		ST284/ST184	Connect latch lock	STEP 92 Preload, STEP 92 Release	ST9524/9525
				STEP 60 Silent	ST6524/6525
			Modular latch lock	STEP 40/90/48/98 Preload STEP 90 Release	ST4057/4058
				STEP 60 Silent	ST6580*
ST187/287	Connect latch lock	STEP 92 Preload, STEP 92 Release	ST9587 *		
		STEP 60 Silent	ST6596/6597		
Modular dead lock/ sash lock	STEP 18/28E Secure	ST183/ST185/ ST283/ST285	Modular latch lock	STEP 60 Silent	ST6521/6522
				STEP 92 Preload, STEP 92 Release	ST9521/9522
		ST184/ST186/ ST284/ST286	Modular latch lock	STEP 92 Preload, STEP 92 Release	ST9524/9525
				STEP 60 Silent	ST6524/6525
		ST187/287	Modular latch lock	STEP 60 Silent	ST6580*
				STEP 92 Preload, STEP 92 Release	ST9587*
		ST1886A/B	Modular latch lock	STEP 60 Silent	ST6596/6597

\* Combined with an upper faceplate depending on the electric strike and door hanging

### Change from Kaba Delta to STEP 60 Silent or STEP 18 Secure

Existing locking			New locking		
Lock case	Electric strike	Faceplate	Lock case	Electric strike	Faceplate
Change from Kaba Delta to STEP 60 Silent, STEP 18 Secure					
Modular dead lock/ sash lock	Kaba Delta	6213 V/H	Modular single latch lock	STEP 60 Silent	ST6546/6547
			Modular double latch lock	STEP 60 Silent	ST6554/6555
			Modular dead lock/sash lock	STEP 18 Secure	ST3095/3096

### Change from Kaba Delta with Modular to STEP 60 Silent, STEP 92 Preload, STEP 92 Release with Connect

Existing locking			New locking		
Lock case	Electric strikes	Mounting faceplate	Lock case	Electric strikes	Mounting faceplate
Change from Kaba Delta with Modular to STEP 60 Silent, STEP 92 Preload, STEP 92 Release with Connect					
Modular dead lock/ sash lock	Kaba Delta	6213 V/H	Connect double latch lock	STEP 60 Silent	ST6568/6569
				STEP 92 Preload, STEP 92 Release	ST9269V/H

# Architect guide

In order to quickly see which products can be combined with different requirements and functions, we have compiled a number of lists in our Architect guide.

Choose whether the door will open with a push handle with or without door automation, or pull handle with or without door automation.

Remember that you can always contact us if you need help or if your product is not in the tables.

## Opening with push handle and door automation

Lock type	Opening from inside	Re-entry/fire unlocking	Fire safety requirements	Door lock Assa	Electric strike STEP	Function	Comments	
Latch lock	Double cylinder	No re-entry	No fire safety requirements	222	STEP 92 Preload			
			E/EI120	222	STEP 92 Preload			
		Via fire alarm	No fire safety requirements	222	STEP 92 Preload	Fail safe		
			E/EI120	222	STEP 92 Preload	Fail safe		
		Thumbturn	No re-entry	No fire safety requirements	222	STEP 92 Preload		
				E/EI120	222	STEP 92 Preload		
	Via fire alarm		No fire safety requirements	222	STEP 92 Preload	Fail safe		
			E/EI120	222	STEP 92 Preload	Fail safe		
	Mechanical	No fire safety requirements	No fire safety requirements	310*	STEP 28E Secure		*Sash lock	
			E/EI60	310*	STEP 28E Secure		*Sash lock	
		Mechanical and via fire alarm	No fire safety requirements	310*	STEP 28E Secure	Fail safe	*Sash lock	
			E/EI60	310*	STEP 28E Secure	Fail safe	*Sash lock	
	Split-spindle	No re-entry	No fire safety requirements	622	STEP 92 Preload			
			E/EI120	622	STEP 92 Preload			
		Via fire alarm	No fire safety requirements	622	STEP 92 Preload	Fail safe		
			E/EI120	622	STEP 92 Preload	Fail safe		
		EN 179	No re-entry	No fire safety requirements	722	STEP 92 Preload		
				E/EI120	722	STEP 92 Preload		
Via fire alarm	No fire safety requirements		722	STEP 92 Preload	Fail safe			
	E/EI120		722	STEP 92 Preload	Fail safe			
Mechanical	No fire safety requirements		727	STEP 92 Preload				
	E/EI120		727	STEP 92 Preload				
Mechanical and via fire alarm	No fire safety requirements	727	STEP 92 Preload	Fail safe				
	E/EI120	727	STEP 92 Preload	Fail safe				
Emergency opening button	No re-entry	No fire safety requirements	222	STEP 92 Release	Fail safe			
		E/EI120	222	STEP 92 Release	Fail safe			
	Via fire alarm and/or emergency button	No fire safety requirements	222	STEP 92 Release	Fail safe			
		E/EI120	222	STEP 92 Release	Fail safe			

# Opening with pull handles and/or door automation

Lock type	Opening from inside	Re-entry/fire unlocking	Fire safety requirements	Door lock Assa	Electric strike STEP	Function	Comments
Latch lock	Double cylinder	No re-entry	No fire safety requirements	232	STEP 40 Preload		
			E/EI120	232	STEP 90 Preload	Fail secure	
			E/EI120	232	STEP 60 Silent	Fail secure	
		Via fire alarm	No fire safety requirements	232	STEP 40 Preload	Fail safe	
			E/EI120	222	STEP 92 Preload	Fail safe	External handle
			E/EI120	232	STEP 60 Silent	Fail secure	
	Thumbturn	No re-entry	No fire safety requirements	232	STEP 40 Preload		
			E/EI120	232	STEP 90 Preload	Fail secure	
			E/EI120	232	STEP 60 Silent	Fail secure	
		Via fire alarm	No fire safety requirements	232	STEP 40 Preload	Fail safe	
			E/EI120	222	STEP 92 Preload	Fail safe	External handle
		Mechanical	No fire safety requirements	311	STEP 18 Secure		
			E/EI60	310	STEP 28E Secure		External handle
		Mechanical and via fire alarm	No fire safety requirements	311	STEP 18 Secure	Fail safe	
			E/EI60	310	STEP 28E Secure	Fail safe	External handle
	Split spindle	No re-entry	No fire safety requirements	636	STEP 40 Preload		
			E/EI120	636	STEP 90 Preload	Fail secure	
			E/EI120	636	STEP 60 Silent	Fail secure	
		Via fire alarm	No fire safety requirements	636	STEP 40 Preload	Fail safe	
			E/EI120	622	STEP 92 Preload	Fail safe	External handle
			E/EI120	636	STEP 60 Silent	Fail secure	
EN 179	No re-entry	No fire safety requirements	732	STEP 40 Preload			
		E/EI120	732	STEP 90 Preload	Fail secure		
		E/EI120	732	STEP 60 Silent	Fail secure		
	Via fire alarm	No fire safety requirements	732	STEP 40 Preload	Fail safe		
		E/EI120	722	STEP 92 Preload	Fail safe	External handle	
	Mechanical	No fire safety requirements	727	STEP 92 Preload		External handle	
		E/EI120	727	STEP 92 Preload		External handle	
	Mechanical and via fire alarm	No fire safety requirements	727	STEP 92 Preload	Fail safe	External handle	
		E/EI120	727	STEP 92 Preload	Fail safe	External handle	
		E/EI120	727	STEP 92 Preload	Fail safe	External handle	
	EN 1125	No re-entry	No fire safety requirements	772	STEP 40 Preload		
			E/EI120	772	STEP 90 Preload	Fail secure	
E/EI120			772	STEP 60 Silent	Fail secure		
Via fire alarm		No fire safety requirements	772	STEP 40 Preload	Fail safe		
		E/EI120	762	STEP 92 Preload	Fail safe	External handle	
Mechanical		No fire safety requirements	767	STEP 92 Preload		External handle	
		E/EI120	767	STEP 92 Preload		External handle	
Mechanical and via fire alarm		No fire safety requirements	767	STEP 92 Preload	Fail safe	External handle	
		E/EI120	767	STEP 92 Preload	Fail safe	External handle	
		E/EI120	767	STEP 92 Preload	Fail safe	External handle	
Emergency opening button		No re-entry	No fire safety requirements	232	STEP 90 Release	Fail safe	
			E/EI120	222	STEP 92 Release	Fail safe	
	Via fire alarm and/or emergency button	No fire safety requirements	232	STEP 90 Release	Fail safe		
		E/EI120	222	STEP 92 Release	Fail safe	External handle	

## Opening with pull handles and/or door automation

Lock type	Opening from inside	Re-entry/fire unlocking	Fire safety requirements	Door lock Assa	Electric strike STEP	Function	Comments
Dead lock/ sach lock	Double cylinder	No re-entry	No fire safety requirements	411	STEP 18 Secure		
			E/EI60	410	STEP 28E Secure		
		Via fire alarm	No fire safety requirements	311	STEP 18 Secure	Fail safe	
			E/EI60	310	STEP 28E Secure	Fail safe	External handle
	Thumbturn	No re-entry	No fire safety requirements	310	STEP 28E Secure		External pull handle, non-interlocked latch bolt relocked
			E/EI60	310	STEP 28E Secure		External pull handle, non-interlocked latch bolt relocked
		Via fire alarm	No fire safety requirements				
			E/EI60				
		Mechanical	No fire safety requirements	311	STEP 18 Secure		
			E/EI60	310	STEP 28E Secure		External handle
	Mechanical and via fire alarm	No fire safety requirements	311	STEP 18 Secure	Fail safe		
		E/EI60	310	STEP 28E Secure	Fail safe	External handle	
	EN 179	No re-entry	No fire safety requirements	710	STEP 28E Secure		External pull handle, non-interlocked latch bolt relocked
			E/EI60	710	STEP 28E Secure		External pull handle, non-interlocked latch bolt relocked
		Via fire alarm	No fire safety requirements				
			E/EI60				
		Mechanical	No fire safety requirements	711	STEP 18 Secure		
			E/EI60	710	STEP 28E Secure		External handle
Mechanical and via fire alarm		No fire safety requirements	711	STEP 18 Secure	Fail safe		
		E/EI60	710	STEP 28E Secure	Fail safe	External handle	
Emergency opening button	No re-entry	No fire safety requirements	311	STEP 18 Secure	Fail safe		
		E/EI60	310	STEP 28E Secure	Fail safe		
	Via fire alarm and/or emergency button	No fire safety requirements	311	STEP 18 Secure	Fail safe		
		E/EI60	310	STEP 28E Secure	Fail safe	External handle	

## Electric strike with fixed cut-out for mechanical deadbolt with option for pull handle and door automation

Lock type	Locking/unlocking inside	Opening outside	Fire safety requirements	Door lock Assa	Electric strike STEP	Function	Comments
Latch lock	WC fittings	Handle, pull handle, door automation	No fire safety requirements	310	STEP 48 Preload		
			E/EI120	310	STEP 98 Preload		
	Thumbturn or cylinder		No fire safety requirements	410	STEP 48 Preload		
			E/EI120	410	STEP 98 Preload		

# Opening with lever handle

Lock type	Opening from inside	Re-entry/fire unlocking	Fire safety requirements	Door lock Assa	Electric strike STEP	Function	Comments		
Latch lock	Double cylinder	No re-entry	No fire safety requirements	222	STEP 40 Preload				
			E/EI120	222	STEP 90 Preload				
			E/EI120	222	STEP 60 Silent				
		Via fire alarm	No fire safety requirements	222	STEP 40 Preload	Fail safe			
			E/EI120	222	STEP 60 Silent	Fail safe			
			E/EI120	222	STEP 60 Silent	Fail safe			
	Thumbturn	No re-entry	No fire safety requirements	222	STEP 40 Preload				
			E/EI120	222	STEP 90 Preload				
			E/EI120	222	STEP 60 Silent				
			Via fire alarm	No fire safety requirements	222	STEP 40 Preload	Fail safe		
				E/EI120	222	STEP 90 Preload	Fail safe		
				E/EI120	222	STEP 60 Silent	Fail safe		
		Mechanical	No fire safety requirements	310*	STEP 18 Secure		* Sash lock		
				E/EI60	310*	STEP 18 Secure		* Sash lock	
			Mechanical and via fire alarm	No fire safety requirements	310*	STEP 18 Secure	Fail safe	* Sash lock	
				E/EI60	310*	STEP 18 Secure	Fail safe	* Sash lock	
				E/EI60	310*	STEP 18 Secure	Fail safe	* Sash lock	
				E/EI60	310*	STEP 18 Secure	Fail safe	* Sash lock	
	Split-spindle	No re-entry	No fire safety requirements	622	STEP 40 Preload				
			E/EI120	622	STEP 90 Preload				
			E/EI120	622	STEP 60 Silent				
			Via fire alarm	No fire safety requirements	622	STEP 40 Preload	Fail safe		
				E/EI120	622	STEP 90 Preload	Fail safe		
				E/EI120	622	STEP 60 Silent	Fail safe		
EN 179		No re-entry	No fire safety requirements	722	STEP 40 Preload				
			E/EI120	722	STEP 90 Preload				
			E/EI120	722	STEP 60 Silent				
	Via fire alarm		No fire safety requirements	722	STEP 40 Preload	Fail safe			
			E/EI120	722	STEP 60 Silent	Fail safe			
			E/EI120	722	STEP 60 Silent	Fail safe			
	Mechanical	No fire safety requirements	727	STEP 40 Preload					
			E/EI120	727	STEP 90 Preload				
			E/EI120	727	STEP 60 Silent				
		Mechanical and via fire alarm	No fire safety requirements	727	STEP 40 Preload	Fail safe			
			E/EI120	727	STEP 90 Preload	Fail safe			
			E/EI120	727	STEP 60 Silent	Fail safe			
EN 1125	No re-entry	No fire safety requirements	762	STEP 40 Preload					
		E/EI120	762	STEP 60 Silent					
		Via fire alarm	No fire safety requirements	762	STEP 40 Preload	Fail safe			
			E/EI120	762	STEP 90 Preload	Fail safe			
			E/EI120	762	STEP 60 Silent	Fail safe			
		Mechanical	No fire safety requirements	767	STEP 92 Preload		Emergency exit hardware + external handle		
	E/EI120			767	STEP 92 Preload		Emergency exit hardware + external handle		
	Mechanical and via fire alarm		No fire safety requirements	767	STEP 92 Preload	Fail safe	Emergency exit hardware + external handle		
			E/EI120	767	STEP 92 Preload	Fail safe	Emergency exit hardware + external handle		
			E/EI120	767	STEP 92 Preload	Fail safe	Emergency exit hardware + external handle		
			E/EI120	767	STEP 92 Preload	Fail safe	Emergency exit hardware + external handle		
	Emergency open button	No re-entry	No fire safety requirements	222	STEP 90 Release	Fail safe			
			E/EI120	222	STEP 90 Release	Fail safe			
			E/EI120	222	STEP 60 Silent	Fail safe			
		Via fire alarm and/or emergency button	No fire safety requirements	222	STEP 90 Release	Fail safe			
E/EI120			222	STEP 90 Release	Fail safe				
E/EI120			222	STEP 90 Release	Fail safe				

## Opening with lever handle

Lock type	Opening from inside	Re-entry/fire unlocking	Fire safety requirements	Door lock Assa	Electric strike STEP	Function	Comments		
Dead lock	Double cylinder	No re-entry	No fire safety requirements	410	STEP 18 Secure				
			E/EI60	410	STEP 18 Secure				
		Thumbturn	No re-entry	No fire safety requirements	410	STEP 18 Secure	Fail safe		
				E/EI60	410	STEP 18 Secure	Fail safe	External handle	
	EN 179	Thumbturn	No re-entry	No fire safety requirements	310	STEP 28E Secure		External pull handle, non-interlocked latch bolt relocked	
				E/EI60	310	STEP 28E Secure		External pull handle, non-interlocked latch bolt relocked	
			Via fire alarm	No fire safety requirements					
				E/EI60					
		Mechanical	No re-entry	No fire safety requirements	310	STEP 18 Secure			
				E/EI60	310	STEP 18 Secure			
		Mechanical and via fire alarm	No re-entry	No fire safety requirements	310	STEP 28E Secure			
				E/EI60	310	STEP 28E Secure			
	Emergency open button	No re-entry	No re-entry	No fire safety requirements	710	STEP 28E Secure			
				E/EI60	710	STEP 28E Secure			
			Via fire alarm	No fire safety requirements					
					E/EI60				
Mechanical		No re-entry	No fire safety requirements	710	STEP 18 Secure				
			E/EI60	710	STEP 18 Secure				
Mechanical and via fire alarm		No re-entry	No fire safety requirements	710	STEP 18 Secure	Fail safe			
			E/EI60	710	STEP 18 Secure	Fail safe			
Via fire alarms and/or emergency button	No re-entry	No re-entry	No fire safety requirements	310	STEP 18 Secure	Fail safe			
			E/EI60	310	STEP 18 Secure	Fail safe			
	Via fire alarms and/or emergency button	No re-entry	No fire safety requirements	310	STEP 18 Secure	Fail safe			
			E/EI60	310	STEP 18 Secure	Fail safe			



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