

Serrures de sécurité

Serrature di sicurezza

Sicherheitsschlösser

Security locks

Cerraduras de seguridad

SECURITY LOCKS





2

Breaking new grounds, making use of new technologies, developing new ideas.
 Since its establishment in 1936, the company effeff from Albstadt has become the market leader in the field of door control systems by following a consistent strategy.
 After starting the electric strike production in 1947, a comprehensive product range has been gradually developed, which enables effeff to offer application-specific solutions for every door.

February 1st, 2000, effeff joined the ASSA ABLOY Group based in Stockholm, Sweden and merged at the beginning of 2005 with IKON GmbH Präzisionstechnik, Berlin to become ASSA ABLOY Sicherheitstechnik GmbH (IKON GmbH Präzisionstechnik also belongs to the group).



Hamburg Airport



Old Opera, Frankfurt



IKON and effeff, both renowned and well-established brands on the market remain under ASSA ABLOY Sicherheitstechnik GmbH as do the production sites of Berlin and Albstadt and the plant in Heiligenhaus.

ASSA ABLOY is the leading manufacturer and supplier of mechanical and electromechanical locks and related products worldwide. Our customers profit from the extensive know-how of the largest international group of companies, offering everything for total security and comfort throughout the world.

Whatever you want to safeguard, protect, preserve – effeff offers the right solution!



British Consulate, Berlin



Bodensee Thermal Bath, Überlingen



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SEEK AND FIND!

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The reassurance
of security



CERTIFIED.

SECURITY LOCKS

THE REASSURANCE OF SECURITY

Electromechanical security locks

“Security lock” is probably the most appropriate description for the lock products contained in this catalogue.

In the German language the word security describes both protection of life and limb (in English safety) and the protection of valuables against unauthorized access (in English security).

The effeff security locks are a combination of all these features.

Multifunctional locks

- ▶ Self-locking and maximum mechanical security for using in security-relevant doors
- ▶ Panic function for use with doors in escape and rescue routes according to the latest European standards
- ▶ Suitable for use in fire doors: Approval pending
- ▶ Easy and comfortable to operate

Choose from the extensive range of effeff products and you can be sure you are getting the very best of locking technology.

DIN 179 and DIN EN 1125 with just one lock version

All the locks of the new generation are approved according to both DIN EN 179 and DIN EN 1125. The user no longer has to decide in advance whether the door will be used as an emergency or panic exit: The lock is tested and approved for both possibilities.

More security

The outstanding feature of the lock product line is the enhanced safeguard against intrusion according to the latest SKG, DIN and EN regulations: It offers a resistance against pressure at the side of 10.000 N with a bolt that is additionally hardened according to the Security Standard SKG (NEN 5089) of the Netherlands.

Extensive status messages are a convincing feature of the electromechanical lock products. The contacts monitor:

- Bolt extended / bolt retracted
- Control latch
- Handle operation
- Tamper loop
- Profile cylinder

The new standard in locks



Left or right
Lock tight

ABSOLUTELY

The new

A wide range of door furniture

To provide the user with freedom of choice as regards door furniture, the locks from IKON, FSB and HEWI are tested and approved according to DIN EN 179. The effeff locks and panic bars are approved according to DIN EN 1125. Further approvals will follow.

For backsets from 55 mm upwards (wooden/steel door version), the new locks are equipped with rosette holes for screwing together standard rosettes for handle and profile cylinders.

The matching solution for every backset

The locks are available in the backsets 30, 35, 40, 45 and 55, 60, 65 and thus cover virtually all single-leaf door applications.

With the 30 mm backset, effeff stays abreast of the trend towards the increasingly narrower profile frame. The 80 and 100 mm backsets are planned for the beginning of 2005.

Quick opening motor lock

In order to facilitate the opening of doors with motor locks the unlocking time for motor lock models was reduced considerably to ensure quick and easy opening (approx. 0.7 sec.). The user releases the door for example, by the access control and the motor immediately begins to operate. The door opens quickly thus avoiding unnecessary waiting time and strain on the material.

FLEXIBLE.

standard in locks.



As tubular frame version



As wooden/steel door version



From 950 to 100 ...

**in
next to nothing**

90% FEWER

The new standard in

SECURITY LOCKS

FEWER OPTIONS

More convenience – fewer options

We combine convenience and efficiency

Up to 1000 lock versions have been necessary so far to cope with all the different versions and requirements. With innovative developments and clever ideas the number of DIN lock options has been reduced to 100. This is due primarily to the variation possibilities of the locks, e.g. left/right and direction of the panic side (inwards/outwards), and conversion from fail-locked to fail-unlocked. Also all locks are designed for 12 to 24 VDC which means that the installer does not have to decide in advance which voltage is required to operate the lock.

All you need to know when ordering the lock is the type (mechanics, micro switch, hand control or motor version) as well as the backset and the face plate width. This means considerably less stock for retailers and simplification of lock tenders.

OPTIONS.

locks.



From 950 options
to 100 options

SECURITY LOCKS

PROGRAM OVERVIEW

At a glance

This is an overview of our complete security lock range.

The following pages provide you with details on our wide range of security locks in all possible versions.

Mechanical security lock 309X ► Mechanik



Tubular frame version

Backset

30, 35, 40, 45



Wooden/steel door version

Backset

55, 60, 65

Security lock 409X ► Microswitch



Tubular frame version

Backset

30, 35, 40, 45



Wooden/steel door version

Backset

55, 60, 65

SECURITY LOCKS

PROGRAM OVERVIEW

Security lock 509X ► Motorized version



Tubular frame version
Backset
30, 35, 40, 45



Wooden/steel door version
Backset
55, 60, 65

Electrical multiple locking 819 ► Handle control

Tubular frame version
Backset
35, 40, 45



Security lock 709X/809 ► Handle control

Tubular frame version

Backset
30, 35, 40, 45
Model 709X

Backset
35, 40, 45
Model 809

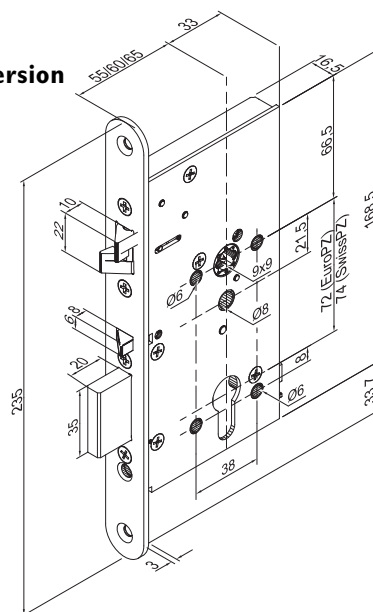


Wooden/steel door version

Backset
55, 60, 65
Model 709X

Backset
60, 65
Model 809





ORDER DATA

MECHANICAL SECURITY LOCK 309X

Important information when ordering:

1. CTC in mm 92 (PC)/94 (CC) or 72 (PC)/74 (CC)
2. Backset in mm 30, 35, 40, 45 or 55, 60, 65
3. Face plate in mm 24 or 20 (specify DIN direction for 20 mm face plate)

DIN direction universal ☐

| Mechanical security lock 309X – tubular frame version | | | |
|---|-----|---------|------------------|
| Article description | DIN | Backset | Order No. |
| Mechanical security lock face plate width 24 mm; CTC 92 mm; European profile cylinder | I | 30 | 309X102PZ----- I |
| Mechanical security lock face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 30 | 309X102RZ----- I |
| Mechanical security lock face plate width 24 mm; CTC 92 mm; European profile cylinder | I | 35 | 309X202PZ----- I |
| Mechanical security lock face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 35 | 309X202RZ----- I |
| Mechanical security lock face plate width 24 mm; CTC 92 mm; European profile cylinder | I | 40 | 309X302PZ----- I |
| Mechanical security lock face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 40 | 309X302RZ----- I |
| Mechanical security lock face plate width 24 mm; CTC 92 mm; European profile cylinder | I | 45 | 309X402PZ----- I |
| Mechanical security lock face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 45 | 309X402RZ----- I |

DIN direction

5 = DIN right

4 = DIN left



DIN directions universal ☐

left ☐

right ☐

| Mechanical security lock 309X – wooden/steel door version | | | |
|---|-----|---------|------------------|
| Article description | DIN | Backset | Order No. |
| Mechanical security lock face plate width 20 mm; CTC 72 mm; European profile cylinder | 4/5 | 55 | 309X501PZ----- * |
| Mechanical security lock face plate 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 55 | 309X501RZ----- * |
| Mechanical security lock face plate width 24 mm; CTC 72 mm; European profile cylinder | I | 55 | 309X502PZ----- I |
| Mechanical security lock face plate 24 mm; CTC 74 mm; Swiss circular profile cylinder | I | 55 | 309X502RZ----- I |
| Mechanical security lock face plate width 20 mm; CTC 72 mm; European profile cylinder | 4/5 | 60 | 309X601PZ----- * |
| Mechanical security lock face plate 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 60 | 309X601RZ----- * |
| Mechanical security lock face plate width 24 mm; CTC 72 mm; European profile cylinder | I | 60 | 309X602PZ----- I |
| Mechanical security lock face plate 24 mm; CTC 74 mm; Swiss circular profile cylinder | I | 60 | 309X602RZ----- I |
| Mechanical security lock face plate width 20 mm; CTC 72 mm; European profile cylinder | 4/5 | 65 | 309X701PZ----- * |
| Mechanical security lock face plate 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 65 | 309X701RZ----- * |
| Mechanical security lock face plate width 24 mm; CTC 72 mm; European profile cylinder | I | 65 | 309X702PZ----- I |
| Mechanical security lock face plate 24 mm; CTC 74 mm; Swiss circular profile cylinder | I | 65 | 309X702RZ----- I |

Security lock accessories

| | | | |
|--|-----------------|--|-----------------|
| Striking plate – short angle DIN left | Z09XSBL-01----4 | Striking plate – long angle DIN left | Z09XSBL-03----4 |
| Striking plate – short angle DIN right | Z09XSBL-01----5 | Striking plate – long angle DIN right | Z09XSBL-03----5 |
| Striking plate LAP universal with 16 mm flange | Z09XSBL-02----I | Striking plate LAP universal with 12 mm flange | Z09XSBL-04----I |

Further accessories from Page 54 onwards.

MICROSWITCH SECURITY LOCK 409X

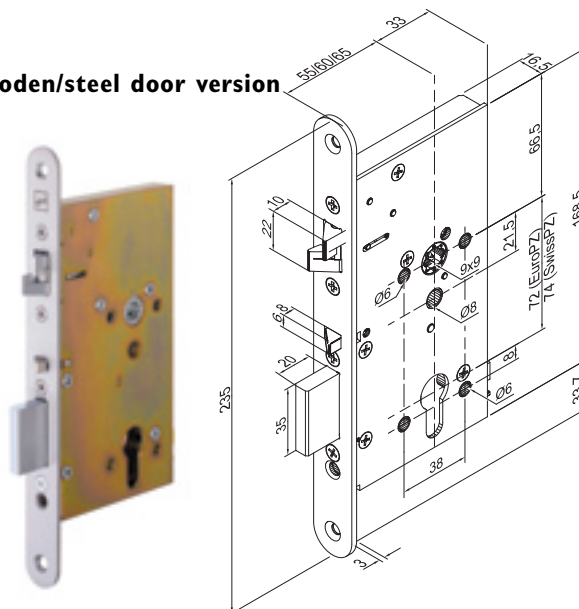
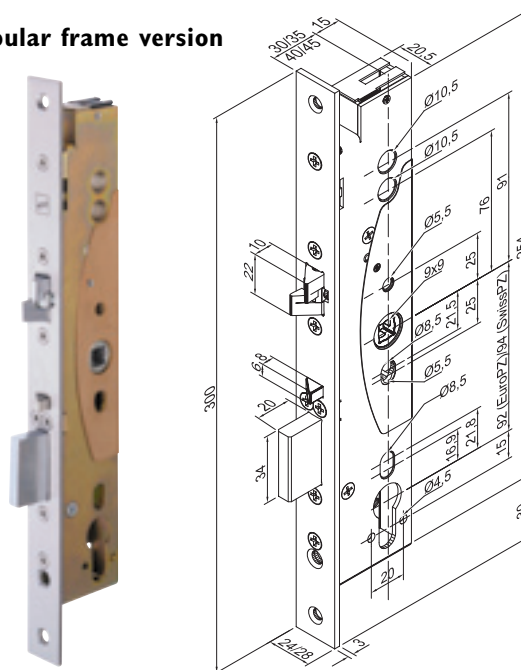
- Bolt extended / bolt retracted
- Control latch
- Handle operation
- Tamper loop
- Profile cylinder

- Self-locking with double action latch and bolt
- Mechanical follow up control between double action latch and control latch
- Integrated panic function via internal door handle
- Alternative function for unlocking with key from outside
- Approval according to DIN EN 179 and DIN EN 1125
- Suitable for installing in fire doors:
Approval pending
- Short backset behind for tubular frame version, 15 mm

The locks of the model series 409X have a continuous follower and therefore, require front door furniture (internal handle or panic bar, external knob or bar).

- 10 m connection lead, Page 57
- Cable connection, Page 56
- Striking plates, see Page 54 (included in the EN certification)
- Door furniture for DIN EN 179, Page 32-41
- Door furniture for DIN EN 1125, Page 42-53

| Technical data | |
|--------------------------------------|--|
| Backset | |
| Tubular frame version | 30, 35, 40, 45 mm |
| Wooden/steel door version | 55, 60, 65 |
| CTC | |
| Tubular frame version | European profile cylinder: 92 mm Swiss circular profile cylinder: 94 mm |
| Wooden/steel door version | European profile cylinder: 72 mm Swiss circular profile cylinder: 74 mm |
| Approvals | |
| DIN EN 179 | EU Conformity Certificate: 0432-BPR-0001 |
| DIN EN 1125 | EU Conformity Certificate: 0432-BPR-0017 |
| Building inspection test certificate | P-12000460 |
| Dead bolt throw | 20 mm |
| Follower | 9 mm |
| Maximum load - microswitch | 24 V DC, 200mA |



ORDER DATA

MICROSWITCH SECURITY LOCK 409X

Important information when ordering:

1. CTC in mm 92 (PC)/94 (CC) or 72 (PC)/74 (CC)
2. Backset in mm 30, 35, 40, 45 or 55, 60, 65
3. 24 or 20 mm face plate width (specify DIN direction for 20 mm face plate)

DIN directions universal ☐

| Microswitch security lock 409X – tubular frame version | | | |
|--|-----|---------|------------------|
| Article description | DIN | Backset | Order No. |
| Microswitch security lock face plate width 24 mm; CTC 92 mm; European profile cylinder | I | 30 | 409X102PZ----- I |
| Microswitch security lock face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 30 | 409X102RZ----- I |
| Microswitch security lock face plate width 24 mm; CTC 92 mm; European profile cylinder | I | 35 | 409X202PZ----- I |
| Microswitch security lock face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 35 | 409X202RZ----- I |
| Microswitch security lock face plate width 24 mm; CTC 92 mm; European profile cylinder | I | 40 | 409X302PZ----- I |
| Microswitch security lock face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 40 | 409X302RZ----- I |
| Microswitch security lock face plate width 24 mm; CTC 92 mm; European profile cylinder | I | 45 | 409X402PZ----- I |
| Microswitch security lock face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 45 | 409X402RZ----- I |

DIN direction

5 = DIN right

4 = DIN left



DIN directions universal ☐

left 4
right 5

| Microswitch security lock 409X – wooden/steel door version | | | |
|--|-----|---------|------------------|
| Article description | DIN | Backset | Order No. |
| Microswitch security lock face plate width 20 mm; CTC 72 mm; European profile cylinder | 4/5 | 55 | 409X501PZ----- * |
| Microswitch security lock face plate 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 55 | 409X501RZ----- * |
| Microswitch security lock face plate width 24 mm; CTC 72 mm; European profile cylinder | I | 55 | 409X502PZ----- I |
| Microswitch security lock face plate 24 mm; CTC 74 mm; Swiss circular profile cylinder | I | 55 | 409X502RZ----- I |
| Microswitch security lock face plate width 20 mm; CTC 72 mm; European profile cylinder | 4/5 | 60 | 409X601PZ----- * |
| Microswitch security lock face plate 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 60 | 409X601RZ----- * |
| Microswitch security lock face plate width 24 mm; CTC 72 mm; European profile cylinder | I | 60 | 409X602PZ----- I |
| Microswitch security lock face plate 24 mm; CTC 74 mm; Swiss circular profile cylinder | I | 60 | 409X602RZ----- I |
| Microswitch security lock face plate width 20 mm; CTC 72 mm; European profile cylinder | 4/5 | 65 | 409X701PZ----- * |
| Microswitch security lock face plate 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 65 | 409X701RZ----- * |
| Microswitch security lock face plate width 24 mm; CTC 72 mm; European profile cylinder | I | 65 | 409X702PZ----- I |
| Microswitch security lock face plate 24 mm; CTC 74 mm; Swiss circular profile cylinder | I | 65 | 409X702RZ----- I |

Security lock accessories

| | | | |
|--|------------------|--|------------------|
| Connection lead Z09XKAB 10 m | Z09XKAB----- | Striking plate – long angle DIN left | Z09XSBL-03-----4 |
| Striking plate – short angle DIN left | Z09XSBL-01-----4 | Striking plate – long angle DIN right | Z09XSBL-03-----5 |
| Striking plate – short angle DIN right | Z09XSBL-01-----5 | Striking plate LAP universal with 12 mm flange | Z09XSBL-04-----I |
| Striking plate LAP universal with 16 mm flange | Z09XSBL-02-----I | | |

Further accessories from Page 54 onwards.

SECURITY LOCK WITH EXTERNAL CONTROL 509X

| | |
|--------------------------------------|--|
| Electrical connection | Via motor lock control 509XSTRG |
| Rated current consumption | 12 V DC: max. 1300 mA 24 V DC: max. 600 mA |
| Maximum load - microswitch | 24 V DC: 200 mA |
| Operating temperature | -20 °C to +60 °C |
| Protection class (control) | IP 40 |
| Dimensions (control) | (W x H x D) 192 x 110 x 45 mm |
| Backset | |
| Tubular frame version | 30, 35, 40, 45 |
| Wooden/steel door version | 55, 60, 65 mm |
| CTC | |
| Tubular frame version | European profile cylinder: 92 mm Swiss circular profile cylinder: 94 mm |
| Wooden/steel door version | European profile cylinder: 72 mm Swiss circular profile cylinder: 74 mm |
| Dead bolt throw | 20 mm |
| Follower | 9 mm |
| Approvals | |
| DIN EN 179 | EU Conformity Certificate: 0432-BPR-0001 |
| DIN EN 1125 | EU Conformity Certificate: 0432-BPR-0017 |
| Building inspection test certificate | P-12000460 |

ORDER DATA

SECURITY LOCK WITH EXTERNAL CONTROL 509X

Important information when ordering:

1. CTC in mm 92 (PC)/94 (CC) or 72 (PC)/74 (CC)
2. Backset in mm 30, 35, 40, 45 or 55, 60, 65
3. 24 or 20 mm face plate width (specify DIN direction for 20 mm face plate)

DIN directions universal 

| Security lock with external control 509X – tubular versions | | | | |
|--|-----|---------|---------|------------------|
| Article description | DIN | Backset | Voltage | Order No. |
| Motorized security lock - face plate width 24 mm; CTC 92 mm, European profile cylinder | I | 30 | 12-24 V | 509X102PZ----- I |
| Motorized security lock face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 30 | 12-24 V | 509X102RZ----- I |
| Motorized security lock - face plate width 24 mm; CTC 92 mm, European profile cylinder | I | 35 | 12-24 V | 509X202PZ----- I |
| Motorized security lock face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 35 | 12-24 V | 509X202RZ----- I |
| Motorized security lock - face plate width 24 mm; CTC 92 mm, European profile cylinder | I | 40 | 12-24 V | 509X302PZ----- I |
| Motorized security lock face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 40 | 12-24 V | 509X302RZ----- I |
| Motorized security lock - face plate width 24 mm; CTC 92 mm, European profile cylinder | I | 45 | 12-24 V | 509X402PZ----- I |
| Motorized security lock face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 45 | 12-24 V | 509X402RZ----- I |

DIN direction

5 = DIN right

4 = DIN left



DIN directions universal
left 4
right 5

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| Motorized security lock with external control 509X – wooden/steel door versions | | | | |
|--|-----|---------|---------|------------------|
| Article description | DIN | Backset | Voltage | Order No. |
| Motorized security lock face plate width 20 mm; CTC 72, European profile cylinder | 4/5 | 55 | 12-24 V | 509X501PZ----- * |
| Motorized security lock face plate 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 55 | 12-24 V | 509X501RZ----- * |
| Motorized security lock face plate width 24 mm; CTC 72, European profile cylinder | I | 55 | 12-24 V | 509X502PZ----- I |
| Motorized security lock face plate 24 mm; CTC 74 mm; Swiss circular profile cylinder | I | 55 | 12-24 V | 509X502RZ----- I |
| Motorized security lock face plate width 20 mm; CTC 72, European profile cylinder | 4/5 | 60 | 12-24 V | 509X601PZ----- * |
| Motorized security lock face plate 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 60 | 12-24 V | 509X601RZ----- * |
| Motorized security lock face plate width 24 mm; CTC 72, European profile cylinder | I | 60 | 12-24 V | 509X602PZ----- I |
| Motorized security lock face plate 24 mm; CTC 74 mm; Swiss circular profile cylinder | I | 60 | 12-24 V | 509X602RZ----- I |
| Motorized security lock face plate width 20 mm; CTC 72, European profile cylinder | 4/5 | 65 | 12-24 V | 509X701PZ----- * |
| Motorized security lock face plate 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 65 | 12-24 V | 509X701RZ----- * |
| Motorized security lock face plate width 24 mm; CTC 72, European profile cylinder | I | 65 | 12-24 V | 509X702PZ----- I |
| Motorized security lock face plate 24 mm; CTC 74 mm; Swiss circular profile cylinder | I | 65 | 12-24 V | 509X702RZ----- I |

| Security lock accessories | | | |
|--|-----------------|--|-----------------|
| Security lock control for 509X | 509XSTRG----- | Striking plate LAP universal with 12 mm flange | Z09XSBL-04----I |
| Connection lead Z09XKAB 10 m | Z09XKAB----- | Current consumption, stab. 12V, 4.5A m wall holder | I002-12-4,5--00 |
| Striking plate – short angle DIN left | Z09XSBL-01----4 | Current consumption, stab. 24V, 2.5A m wall holder | I002-24-2,5--00 |
| Striking plate – short angle DIN right | Z09XSBL-01----5 | Smoke detection switch Model 92000-10 | 9200010-----00 |
| Striking plate LAP universal with 16 mm flange | Z09XSBL-02----I | Optical smoke detector Model 60030 | 60030-----00 |
| Striking plate – long angle DIN left | Z09XSBL-03----4 | Rate-of-rise detector Model 60101 | 60101-----00 |
| Striking plate – long angle DIN right | Z09XSBL-03----5 | | |

Further accessories from Page 54 onwards

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TUBULAR FRAME

*For panic function with split square pins

ORDER DATA

TUBULAR FRAME

SECURITY LOCK HANDLE CONTROL 709X

Important information when ordering:

1. CTC in mm 92 (PC)/94 (CC) or 72 (PC)/74 (CC)
2. Backset in mm, 30, 35, 40, 45 or 55, 60, 65
3. 24 or 20 mm face plate width (specify DIN direction for 20 mm face plate)

DIN direction

5 = DIN right

4 = DIN left



DIN directions universal



Voltage

| 709X - Tubular frame versions with panic function with split square pin | DIN | Backset | Voltage | Order No. |
|---|-----|---------|---------|-------------------------|
| Security lock handle control - face plate width 24 mm; CTC 92 mm, European profile cylinder | I | 30 | 12-24 V | 709X102PZ-- G4 I |
| Security lock handle control - face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 30 | 12-24 V | 709X102RZ-- G4 I |
| Security lock handle control - face plate width 24 mm; CTC 92 mm, European profile cylinder | I | 35 | 12-24 V | 709X202PZ-- G4 I |
| Security lock handle control - face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 35 | 12-24 V | 709X202RZ-- G4 I |
| Security lock handle control - face plate width 24 mm; CTC 92 mm, European profile cylinder | I | 40 | 12-24 V | 709X302PZ-- G4 I |
| Security lock handle control - face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 40 | 12-24 V | 709X302RZ-- G4 I |
| Security lock handle control - face plate width 24 mm; CTC 92 mm, European profile cylinder | I | 45 | 12-24 V | 709X402PZ-- G4 I |
| Security lock handle control - face plate width 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 45 | 12-24 V | 709X402RZ-- G4 I |

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| 709X - Tubular frame versions, without panic function with continuous square pin | DIN | Backset | Voltage | Order No. |
|---|-----|---------|---------|-------------------------|
| Security lock handle control - face plate width 24 mm; CTC 92, European profile cylinder | I | 30 | 12-24 V | 709X102PZX- G4 I |
| Security lock handle control - face plate 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 30 | 12-24 V | 709X102RZX- G4 I |
| Security lock handle control - face plate width 24 mm; CTC 92, European profile cylinder | I | 35 | 12-24 V | 709X202PZX- G4 I |
| Security lock handle control - face plate 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 35 | 12-24 V | 709X202RZX- G4 I |
| Security lock handle control - face plate width 24 mm; CTC 92, European profile cylinder | I | 40 | 12-24 V | 709X302PZX- G4 I |
| Security lock handle control - face plate 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 40 | 12-24 V | 709X302RZX- G4 I |
| Security lock handle control - face plate width 24 mm; CTC 92, European profile cylinder | I | 45 | 12-24 V | 709X402PZX- G4 I |
| Security lock handle control - face plate 24 mm; CTC 94 mm; Swiss circular profile cylinder | I | 45 | 12-24 V | 709X402RZX- G4 I |

Continuous square pin: Internal and external handle are engaged/disengaged simultaneously

Security lock accessories

Connection lead Z09XKAB 10 m **Z09XKAB-----**

Striking plate — short angle DIN left **Z09XSBL-01----4**

Striking plate — short angle DIN right **Z09XSBL-01----5**

Striking plate LAP universal with 16 mm flange **Z09XSBL-02----1**

Striking plate — long angle DIN left **Z09XSBL-03----4**

Striking plate — long angle DIN right **Z09XSBL-03----5**

Striking plate LAP universal with 12 mm flange **Z09XSBL-04----1**

Current consumption, stab. 12V, 4.5A m wall holder **I002-12-4,5--00**

Current consumption, stab. 24V, 2.5A m wall holder **I002-24-2,5--00**

Further accessories from Page 54 onwards.

WOODEN/STEEL DOOR VERSION

ORDER DATA

WOODEN/STEEL DOOR VERSION

SECURITY LOCK HANDLE CONTROL 709X

Important information when ordering:

1. CTC in mm 92 (PC)/94 (CC) or 72 (PC)/74 (CC)
2. Backset in mm 30, 35, 40, 45 or 55, 60, 65
3. 24 or 20 mm face plate width (specify DIN direction for 20 mm face plate)

DIN direction

5 = DIN right

4 = DIN left



DIN directions universal

left 4
right 5

Voltage

| 709X - Wooden/steel door versions with panic function with divided square hole | DIN | Backset | Voltage | Order No. |
|---|-----|---------|---------|------------------|
| Security lock handle control - face plate width 20 mm; CTC 72 mm, European profile cylinder | 4/5 | 55 | 12-24 V | 709X501PZ-- G4 * |
| Security lock handle control - face plate width 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 55 | 12-24 V | 709X501RZ-- G4 * |
| Security lock handle control - face plate width 24 mm; CTC 72 mm, European profile cylinder | 1 | 55 | 12-24 V | 709X502PZ-- G4 1 |
| Security lock handle control - face plate width 24 mm; CTC 74 mm; Swiss circular profile cylinder | 1 | 55 | 12-24 V | 709X502RZ-- G4 1 |
| Security lock handle control - face plate width 20 mm; CTC 72 mm, European profile cylinder | 4/5 | 60 | 12-24 V | 709X601PZ-- G4 * |
| Security lock handle control - face plate width 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 60 | 12-24 V | 709X601RZ-- G4 * |
| Security lock handle control - face plate width 24 mm; CTC 72 mm, European profile cylinder | 1 | 60 | 12-24 V | 709X602PZ-- G4 1 |
| Security lock handle control - face plate width 24 mm; CTC 74 mm; Swiss circular profile cylinder | 1 | 60 | 12-24 V | 709X602RZ-- G4 1 |
| Security lock handle control - face plate width 20 mm; CTC 72 mm, European profile cylinder | 4/5 | 65 | 12-24 V | 709X701PZ-- G4 * |
| Security lock handle control - face plate width 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 65 | 12-24 V | 709X701RZ-- G4 * |
| Security lock handle control - face plate width 24 mm; CTC 72 mm, European profile cylinder | 1 | 65 | 12-24 V | 709X702PZ-- G4 1 |
| Security lock handle control - face plate width 24 mm; CTC 74 mm; Swiss circular profile cylinder | 1 | 65 | 12-24 V | 709X702RZ-- G4 1 |

| 709X - Wooden/steel door versions without panic function with divided square hole | DIN | Backset | Voltage | Order No. |
|---|-----|---------|---------|------------------|
| Security lock handle control - face plate width 20 mm; CTC 72, European profile cylinder | 4/5 | 55 | 12-24 V | 709X501PZX- G4 * |
| Security lock handle control - face plate 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 55 | 12-24 V | 709X501RZX- G4 * |
| Security lock handle control - face plate width 24 mm; CTC 72, European profile cylinder | 1 | 55 | 12-24 V | 709X502PZX- G4 1 |
| Security lock handle control - face plate 24 mm; CTC 74 mm; Swiss circular profile cylinder | 1 | 55 | 12-24 V | 709X502RZX- G4 1 |
| Security lock handle control - face plate width 20 mm; CTC 72, European profile cylinder | 4/5 | 60 | 12-24 V | 709X601PZX- G4 * |
| Security lock handle control - face plate 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 60 | 12-24 V | 709X601RZX- G4 * |
| Security lock handle control - face plate width 24 mm; CTC 72, European profile cylinder | 1 | 60 | 12-24 V | 709X602PZX- G4 1 |
| Security lock handle control - face plate 24 mm; CTC 74 mm; Swiss circular profile cylinder | 1 | 60 | 12-24 V | 709X602RZX- G4 1 |
| Security lock handle control - face plate width 20 mm; CTC 72, European profile cylinder | 4/5 | 65 | 12-24 V | 709X701PZX- G4 * |
| Security lock handle control - face plate 20 mm; CTC 74 mm; Swiss circular profile cylinder | 4/5 | 65 | 12-24 V | 709X701RZX- G4 * |
| Security lock handle control - face plate width 24 mm; CTC 72, European profile cylinder | 1 | 65 | 12-24 V | 709X702PZX- G4 1 |
| Security lock handle control - face plate 24 mm; CTC 74 mm; Swiss circular profile cylinder | 1 | 65 | 12-24 V | 709X702RZX- G4 1 |

Continuous square pin: Inside and outside handle are engaged/disengaged simultaneously

| Security lock accessories | |
|--|-----------------|
| Connection lead Z09XKAB 10 m | Z09XKAB----- |
| Striking plate — short angle DIN left | Z09XSBL-01----4 |
| Striking plate — short angle DIN right | Z09XSBL-01----5 |
| Striking plate LAP universal with 16 mm flange | Z09XSBL-02----1 |
| Striking plate — long angle DIN left | Z09XSBL-03----4 |
| Striking plate — long angle DIN right | Z09XSBL-03----5 |
| Striking plate LAP universal with 12 mm flange | Z09XSBL-04----1 |
| Current consumption, stab. 12V, 4.5A m wall holder | I002-12-4,5--00 |
| Current consumption, stab. 24V, 2.5A m wall holder | I002-24-2,5--00 |

Further accessories from Page 54 onwards.

SECURITY LOCKS

ELECTRIC SECURITY LOCK 809

TUBULAR FRAME

The electric security lock Model 809

- Self locking
- Panic function
- Approvals as per EN 179
- Approvals as per EN 1125 (special lock version)
- Controllable external handle
- Monitoring
- Mechanical follow up control between latch and control latch
- Suitable for installation in fire doors:
Approval pending

The electric security lock Model 809 is a **self-locking panic lock** with separate follower and controllable external handle.

The self-locking mechanism is triggered when the door is closed by an additional control latch which when pressed in, automatically pre-locks the lock bolt. The function of the control latch is coupled with the position of the latch bolt. This means that the locking mechanism is only triggered when both latches are activated.

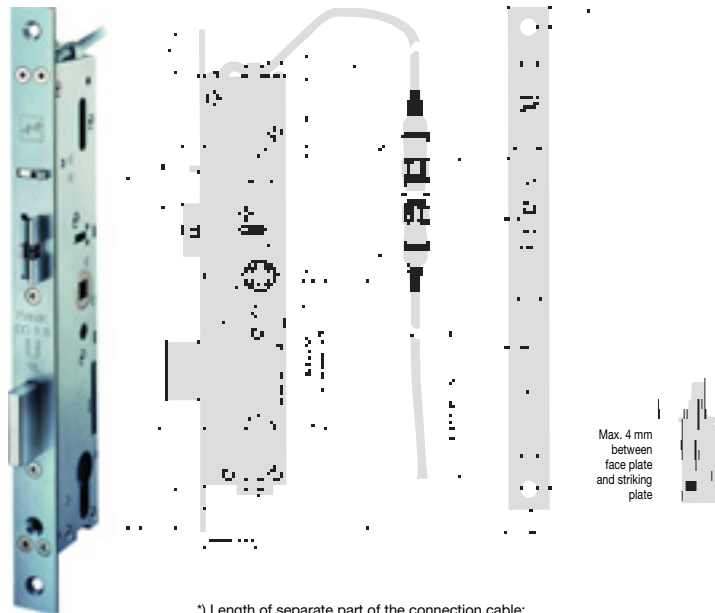
The **panic function** applies to one given direction of entry. When the respective handle is operated, both the latch and the pre-locked lock bolt are retracted. (Exception: The special version with controllable handle on both sides). The electric security lock 809 is available in all current versions both with control function in fail-locked version (currentless external handle without function) and with control function in fail-unlocked version (currentless, external handle with function).

Actuation is always with DC voltage. The lock is available for both 12 V and 24 V actuation. The coils are designed for a 100% duty cycle.

All major functions of the lock can be monitored by integrated **potential-free change-over contacts**.

Monitoring contacts for:

- Bolt contact (is activated with 90% dead bolt throw)
- Internal handle contact
- External handle contact
- Profile cylinder contact (for use as key switch function)



*) Length of separate part of the connection cable:

Technical data

| | |
|--|--|
| Dead bolt throw | 20 mm |
| Follower | 9 mm |
| Backset (PC perforation) | 35, 40, 45 mm |
| Tubular frame version | European profile cylinder: 92 mm Swiss circular profile cylinder: 94 mm |
| Stainless steel face plate | 300 x 24 x 3 mm |
| Rated voltage | 12 V DC or 24 V DC |
| Current consumption at 12V / 24V | 270 mA / 120 mA |
| Protection class (installed according to regulations, with integrated cyl.) | IP 30 |
| Max. contact load capacity | 25 V / 1 A |
| Approvals | |
| DIN EN 179 EU Conformity Certificate | 0432-BPR-0001 |
| DIN EN 1125 EU Conformity Certificate | 0432-BPR-0017 |
| Strength requirements according to DIN 18251 Class 3, max. intrusion resistance and high user frequency: | |
| Min. load of latch | 3 kN |
| Min. load of bolt | 6 kN |
| Min. bolt counterpressure | 2 kN |
| Full length of connection lead | 10 m |

Accessories:

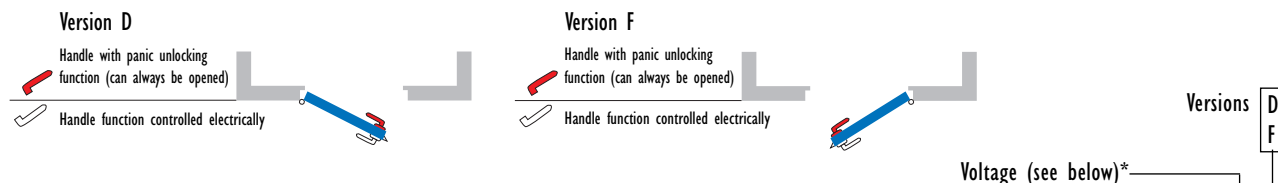
- Connection lead 809-ZBKAB04 see Page 57
- Striking plates 809 HZV, 805 LAP, 809 HZ20, 809 HZ24, 809 iW66 DIN LS, 809 iW66 DIN RS see Page 54/55
- Voltage supply see Page 57
- Panic bar I according to EN1125 see Page 42/43, 46/47
- Door handle fitting according to EN179 see Page 38-39
- Cable connection see Page 56

SECURITY LOCKS

TUBULAR FRAME

ELECTRIC SECURITY LOCK 809

Version Panic direction



Voltage (see below)*

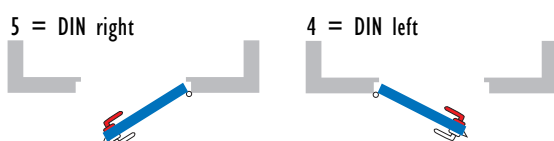
| Tubular version | | | | | |
|--|---------|---------|---------------|---------|-------------------|
| Article / Description | Version | Backset | Function | Voltage | Order No. |
| Electric security lock with panic function, Euro. Profile cylinder, CTC 92 mm, face plate 24 mm | C/D/E/F | 35 | Fail-locked | E4/F4 | 809-12C92-35 ** * |
| Electric security lock with panic function, Euro. Profile cylinder, CTC 92 mm, face plate 24 mm | C/D/E/F | 40 | Fail-locked | E4/F4 | 809-12C92-40 ** * |
| Electric security lock with panic function, Euro. Profile cylinder, CTC 92 mm, face plate 24 mm | C/D/E/F | 45 | Fail-locked | E4/F4 | 809-12C92-45 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 94 mm, face plate 24 mm | C/D/E/F | 35 | Fail-locked | E4/F4 | 809-13C94-35 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 94 mm, face plate 24 mm | C/D/E/F | 40 | Fail-locked | E4/F4 | 809-13C94-40 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 94 mm, face plate 24 mm | C/D/E/F | 45 | Fail-locked | E4/F4 | 809-13C94-45 ** * |
| Electric security lock with panic function, Euro. Profile cylinder, CTC 92 mm, face plate 24 mm | C/D/E/F | 35 | Fail-unlocked | E9/F9 | 809-32C92-35 ** * |
| Electric security lock with panic function, Euro. Profile cylinder, CTC 92 mm, face plate 24 mm | C/D/E/F | 40 | Fail-unlocked | E9/F9 | 809-32C92-40 ** * |
| Electric security lock with panic function, Euro. Profile cylinder, CTC 92 mm, face plate 24 mm | C/D/E/F | 45 | Fail-unlocked | E9/F9 | 809-32C92-45 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 94 mm, face plate 24 mm | C/D/E/F | 35 | Fail-unlocked | E9/F9 | 809-33C94-35 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 94 mm, face plate 24 mm | C/D/E/F | 40 | Fail-unlocked | E9/F9 | 809-33C94-40 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 94 mm, face plate 24 mm | C/D/E/F | 45 | Fail-unlocked | E9/F9 | 809-33C94-45 ** * |

*Voltages: E9 = 12 V Fail-unlocked, E4 = 12 V Fail-locked, F9 = 24 V Fail-unlocked, F4 = 24 V Fail-locked

E = EN1125 version for combination with panic bar

25

DIN direction



DIN directions left 4 right 5

Voltage (see below)*

| Tubular frame version, without panic function | | | | | |
|---|-----|---------|---------------|---------|-------------------|
| Article / Description | DIN | Backset | Function | Voltage | Order No. |
| Electric security lock w/o panic function, European profile cylinder, through follower, CTC 92 mm, face plate 24 mm | 4/5 | 35 | Fail-locked | E4/F4 | 809-14D92-35 ** * |
| Electric security lock w/o panic function, European profile cylinder, through follower, CTC 92 mm, face plate 24 mm | 4/5 | 40 | Fail-locked | E4/F4 | 809-14D92-40 ** * |
| Electric security lock w/o panic function, European profile cylinder, through follower, CTC 92 mm, face plate 24 mm | 4/5 | 45 | Fail-locked | E4/F4 | 809-14D92-45 ** * |
| Electric security lock w/o panic function, Swiss circular profile cylinder, through follower, CTC 94 mm, face plate 24 mm | 4/5 | 35 | Fail-locked | E4/F4 | 809-15D94-35 ** * |
| Electric security lock w/o panic function, Swiss circular profile cylinder, through follower, CTC 94 mm, face plate 24 mm | 4/5 | 40 | Fail-locked | E4/F4 | 809-15D94-40 ** * |
| Electric security lock w/o panic function, Swiss circular profile cylinder, through follower, CTC 94 mm, face plate 24 mm | 4/5 | 45 | Fail-locked | E4/F4 | 809-15D94-45 ** * |
| Electric security lock w/o panic function, European profile cylinder, through follower, CTC 92 mm, face plate 24 mm | 4/5 | 35 | Fail-unlocked | E9/F9 | 809-34D92-35 ** * |
| Electric security lock w/o panic function, European profile cylinder, through follower, CTC 92 mm, face plate 24 mm | 4/5 | 40 | Fail-unlocked | E9/F9 | 809-34D92-40 ** * |
| Electric security lock w/o panic function, European profile cylinder, through follower, CTC 92 mm, face plate 24 mm | 4/5 | 45 | Fail-unlocked | E9/F9 | 809-34D92-45 ** * |
| Electric security lock w/o panic function, Swiss circular profile cylinder, through follower, CTC 94 mm, face plate 24 mm | 4/5 | 35 | Fail-unlocked | E9/F9 | 809-35D94-35 ** * |
| Electric security lock w/o panic function, Swiss circular profile cylinder, through follower, CTC 94 mm, face plate 24 mm | 4/5 | 40 | Fail-unlocked | E9/F9 | 809-35D94-40 ** * |
| Electric security lock w/o panic function, Swiss circular profile cylinder, through follower, CTC 94 mm, face plate 24 mm | 4/5 | 45 | Fail-unlocked | E9/F9 | 809-35D94-45 ** * |

*Voltages: E9 = 12 V Fail-unlocked, E4 = 12 V Fail-locked, F9 = 24 V Fail-unlocked, F4 = 24 V Fail-locked

SECURITY LOCKS

ELECTRIC SECURITY LOCK 809

WOODEN/STEEL DOOR VERSION

The electric security lock Model 809

- Self locking
- Panic function
- Approvals as per EN 179
- Controllable external handle
- Monitoring
- Mechanical follow up control

The electric security lock Model 809 is a **self-locking panic lock** with separate follower and controllable external handle.

The self-locking mechanism is triggered when the door is closed by an additional control latch which when pressed in, automatically pre-locks the lock bolt. The function of the control latch is coupled with the position of the latch bolt. This means that the locking mechanism is only triggered when both latches are activated.

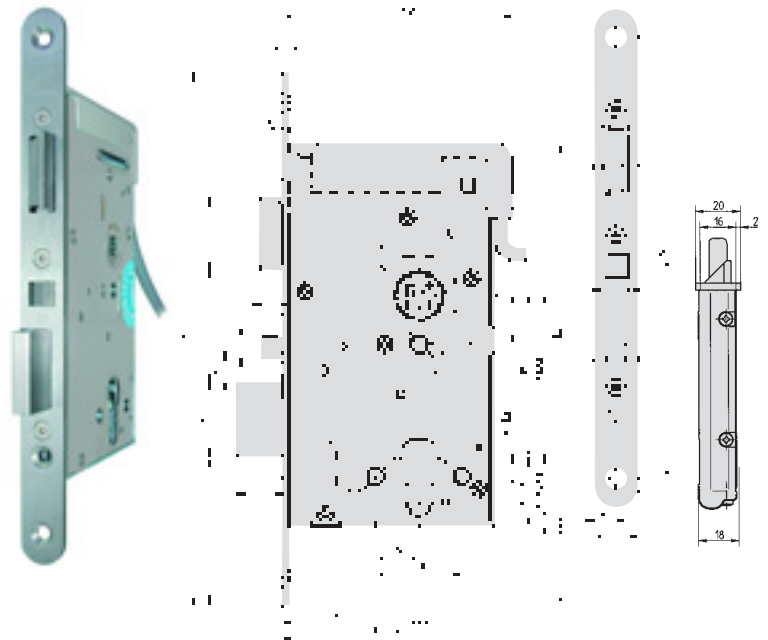
The **panic function** applies to one given direction of entry. When the respective handle is operated, both the latch and the pre-locked lock bolt are retracted. (Exception: The special version with controllable handle on both sides). The electric security lock 809 is available in all current versions both with control function in fail-locked version (currentless external handle without function) and with control function in fail-unlocked version (currentless, external handle with function).

Actuation is always with DC voltage. The lock is available for both 12 V and 24 V actuation. The coils are designed for a 100% duty cycle.

All major functions of the lock can be monitored by integrated **potential-free change-over contacts**.

Monitoring contacts for:

- Bolt contact (is activated with 90% dead bolt throw)
- Internal handle contact
- External handle contact
- Profile cylinder contact (for use as key switch function)



Technical data

| | |
|--|--|
| Dead bolt throw | 20 mm |
| Follower | 9 mm |
| Backset (PC perforation) | 60, 65 mm |
| Wooden/steel door version | European profile cylinder: 72 mm Swiss circular profile cylinder: 74 mm |
| Stainless steel face plate | 235 x 20 (24) x 3 mm |
| Rated voltage | 12 V DC or 24 V DC |
| Current consumption at 12V / 24V | 220 mA / 110 mA |
| Protection class (installed according to regulations, with integrated cyl.) | IP 30 |
| Max. contact load capacity | 25 V / 1 A |
| Approvals | |
| DIN EN 179 EU Conformity Certificate | 0432-BPR-0001 |
| Strength requirements according to DIN 18251 Class 3, max. intrusion resistance and high user frequency: | |
| Min. load of latch | 3 kN |
| Min. load of bolt | 6 kN |
| Min. bolt counterpressure | 2 kN |
| Full length of connection lead | 10 m |

Accessories:

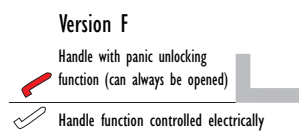
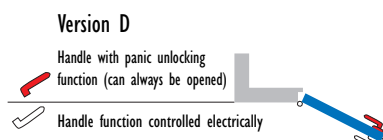
- Connection lead 809-ZBKAB06 see Page 57
- Striking plates 809 HZV, 805 LAP, 809 HZ20, 809 HZ24, 809 iW66 DIN LS, 809 iW66 DIN RS see Page 54/55
- Voltage supply see Page 57
- Door handle fitting according to EN179 see Page 40/41
- Cable connection see Page 56

SECURITY LOCKS

WOODEN/STEEL DOOR VERSION

ELECTRIC SECURITY LOCK 809

Version Panic direction



Versions **D**
F

Voltage

| Wooden/steel door versions | | | | | |
|--|---------|---------|---------------|---------|--------------------------|
| Article / Description | DIN | Backset | Function | Voltage | Order No. |
| Electric security lock with panic function, Euro. profile cylinder, CTC 72 mm, face plate 20 mm | C/D/E/F | 60 | Fail-locked | E4/F4 | 809MI2-72A60 ** * |
| Electric security lock with panic function, Euro. profile cylinder, CTC 72 mm, face plate 20 mm | C/D/E/F | 65 | Fail-locked | E4/F4 | 809MI2-72A65 ** * |
| Electric security lock with panic function, Euro. profile cylinder, CTC 72 mm, face plate 24 mm | C/D/E/F | 60 | Fail-locked | E4/F4 | 809MI2A72A60 ** * |
| Electric security lock with panic function, Euro. profile cylinder, CTC 72 mm, face plate 24 mm | C/D/E/F | 65 | Fail-locked | E4/F4 | 809MI2A72A65 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 74 mm, face plate 20 mm | C/D/E/F | 60 | Fail-locked | E4/F4 | 809MI3-74A60 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 74 mm, face plate 20 mm | C/D/E/F | 65 | Fail-locked | E4/F4 | 809MI3-74A65 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 74 mm, face plate 24 mm | C/D/E/F | 60 | Fail-locked | E4/F4 | 809MI3A74A60 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 74 mm, face plate 24 mm | C/D/E/F | 65 | Fail-locked | E4/F4 | 809MI3A74A65 ** * |
| Electric security lock with panic function, Euro. profile cylinder, CTC 72 mm, face plate 20 mm | C/D/E/F | 60 | Fail-unlocked | E9/F9 | 809M32-72A60 ** * |
| Electric security lock with panic function, Euro. profile cylinder, CTC 72 mm, face plate 20 mm | C/D/E/F | 65 | Fail-unlocked | E9/F9 | 809M32-72A65 ** * |
| Electric security lock with panic function, Euro. profile cylinder, CTC 72 mm, face plate 24 mm | C/D/E/F | 60 | Fail-unlocked | E9/F9 | 809M32A72A60 ** * |
| Electric security lock with panic function, Euro. profile cylinder, CTC 72 mm, face plate 24 mm | C/D/E/F | 65 | Fail-unlocked | E9/F9 | 809M32A72A65 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 74 mm, face plate 20 mm | C/D/E/F | 60 | Fail-unlocked | E9/F9 | 809M33-74A60 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 74 mm, face plate 20 mm | C/D/E/F | 65 | Fail-unlocked | E9/F9 | 809M33-74A65 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 74 mm, face plate 24 mm | C/D/E/F | 60 | Fail-unlocked | E9/F9 | 809M33A74A60 ** * |
| Electric security lock with panic function, Swiss profile circular cylinder, CTC 74 mm, face plate 24 mm | C/D/E/F | 65 | Fail-unlocked | E9/F9 | 809M33A74A65 ** * |

Voltages: E9 = 12 V Fail-unlocked, E4 = 12 V Fail-locked, F9 = 24 V Fail-unlocked, F4 = 24 V Fail-locked

DIN direction

5 = DIN right

4 = DIN left



DIN directions left **4**
right **5**

Voltage

| Wooden/steel door versions, without panic function | | | | | |
|--|-----|---------|---------------|---------|--------------------------|
| Article / Description | DIN | Backset | Function | Voltage | Order No. |
| Electric security lock without panic function, Euro. profile cylinder, through follower CTC 72 mm, face plate 20 mm | 4/5 | 60 | Fail-locked | E4/F4 | 809MI4-72B60 ** * |
| Electric security lock without panic function, Euro. profile cylinder, through follower CTC 72 mm, face plate 20 mm | 4/5 | 65 | Fail-locked | E4/F4 | 809MI4-72B65 ** * |
| Electric security lock without panic function, Euro. profile cylinder, through follower CTC 72 mm, face plate 24 mm | 4/5 | 60 | Fail-locked | E4/F4 | 809MI4A72B60 ** * |
| Electric security lock without panic function, Euro. profile cylinder, through follower CTC 72 mm, face plate 24 mm | 4/5 | 65 | Fail-locked | E4/F4 | 809MI4A72B65 ** * |
| Electric security lock without panic function, Swiss profile circular cylinder, through follower CTC 74 mm, face plate 20 mm | 4/5 | 60 | Fail-locked | E4/F4 | 809MI5-74B60 ** * |
| Electric security lock without panic function, Swiss profile circular cylinder, through follower CTC 74 mm, face plate 20 mm | 4/5 | 65 | Fail-locked | E4/F4 | 809MI5-74B65 ** * |
| Electric security lock without panic function, Swiss profile circular cylinder, through follower CTC 74 mm, face plate 24 mm | 4/5 | 60 | Fail-locked | E4/F4 | 809MI5A74B60 ** * |
| Electric security lock without panic function, Swiss profile circular cylinder, through follower CTC 74 mm, face plate 24 mm | 4/5 | 65 | Fail-locked | E4/F4 | 809MI5A74B65 ** * |
| Electric security lock without panic function, Euro. profile cylinder, through follower CTC 72 mm, face plate 20 mm | 4/5 | 60 | Fail-unlocked | E9/F9 | 809M34-72B60 ** * |
| Electric security lock without panic function, Euro. profile cylinder, through follower CTC 72 mm, face plate 20 mm | 4/5 | 65 | Fail-unlocked | E9/F9 | 809M34-72B65 ** * |
| Electric security lock without panic function, Euro. profile cylinder, through follower CTC 72 mm, face plate 24 mm | 4/5 | 60 | Fail-unlocked | E9/F9 | 809M34A72B60 ** * |
| Electric security lock without panic function, Euro. profile cylinder, through follower CTC 72 mm, face plate 24 mm | 4/5 | 65 | Fail-unlocked | E9/F9 | 809M34A72B65 ** * |
| Electric security lock without panic function, Swiss profile circular cylinder, through follower CTC 74 mm, face plate 20 mm | 4/5 | 60 | Fail-unlocked | E9/F9 | 809M35-74B60 ** * |
| Electric security lock without panic function, Swiss profile circular cylinder, through follower CTC 74 mm, face plate 20 mm | 4/5 | 65 | Fail-unlocked | E9/F9 | 809M35-74B65 ** * |
| Electric security lock without panic function, Swiss profile circular cylinder, through follower CTC 74 mm, face plate 24 mm | 4/5 | 60 | Fail-unlocked | E9/F9 | 809M35A74B60 ** * |
| Electric security lock without panic function, Swiss profile circular cylinder, through follower CTC 74 mm, face plate 24 mm | 4/5 | 65 | Fail-unlocked | E9/F9 | 809M35A74B65 ** * |

Voltages: E9 = 12 V Fail-unlocked, E4 = 12 V Fail-locked, F9 = 24 V Fail-unlocked, F4 = 24 V Fail-locked

HANDLE CONTROL

ELECTRIC LOCK WITH MULTIPLE BOLTS 819

TUBULAR FRAME

The electric lock with multiple bolts Model 819

- Self locking
 - Panic function
 - Approvals as per EN 179
 - Approvals as per EN 1125 (special lock version)
 - Controllable external handle
 - Monitoring
 - Maximum mechanical security with triple bolts
 - Mechanical follow up control between latch and control latch
 - Suitable for installation in fire doors:
- Approval pending

The electric lock with multiple bolts Model 819 is based on the platform of the electric security lock 809 and is a **self-locking panic lock** with separate follower and controllable external handle.

In addition to fulfilling maximum demands on mechanical security, electrical control and monitoring functions are also integrated.

In addition to the 20 mm fully extending lock bolt, the door is also kept closed by two additional steel bolts that also extend fully. The resulting improved safeguard against break-in does not affect the function of the lock. The self-locking and panic function still apply.

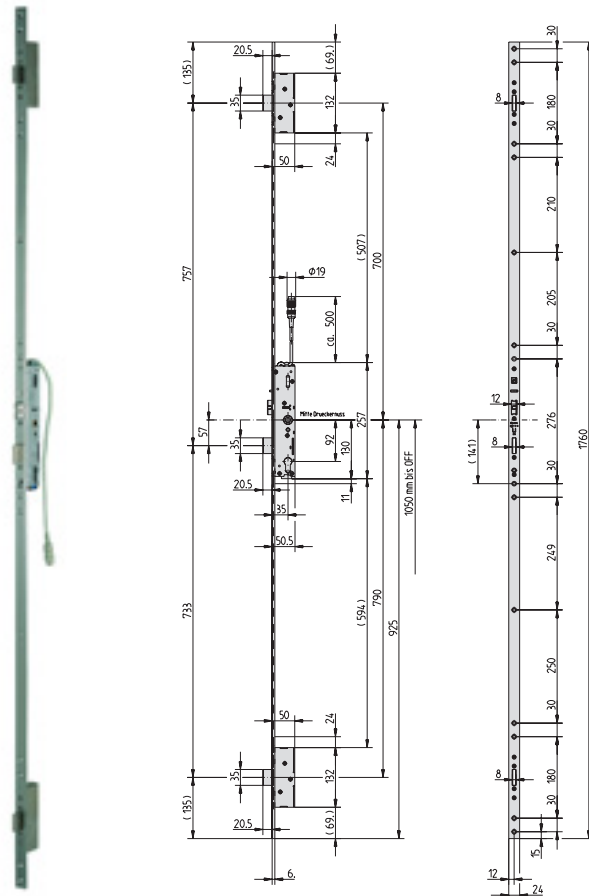
The electric lock with multiple bolts Model 819 is available in all current versions both with control function in the fail-locked version (currentless external handle without function) and with control function in the fail-unlocked version (currentless, external handle with function).

Actuation is always with DC voltage. The lock is available for both 12 V and 24 V actuation. The coils are designed for a 100% duty cycle.

All major functions of the lock can be monitored by integrated **potential-free change-over contacts**.

Monitoring contacts for:

- Bolt contact (is activated with 90% dead bolt throw)
- Internal handle contact
- External handle contact
- Profile cylinder contact (for use as key switch function)



Technical data

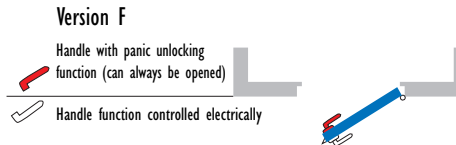
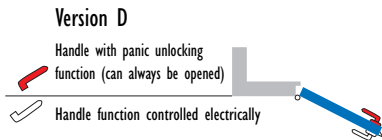
| | |
|---|--|
| Dead bolt throw | 20 mm |
| Follower | 9 mm |
| Backset (PC perforation) | 35, 40, 45 mm |
| Tubular frame version | European profile cylinder: 92 mm Swiss circular profile cylinder: 94 mm |
| Face plate, chrom.-pl. steel (L x W x D) | 1760 x 24 x 6 mm |
| Striking plate, chrom.-pl. steel (L x W x D) | 1760 x 24 x 6 mm |
| Rated voltage | 12 V DC or 24 V DC |
| Current consumption at 12V / 24V | 270 mA / 120 mA |
| Protection class (installed according to regulations, with integrated cyl.) | IP 30 |
| Max. contact load capacity | 25 V / 1 A |
| Approvals | |
| EN 179 EU Conformity Certificate | 0432-BPR-0001 |
| EN 1125 EU Conformity Certificate | 0432-BPR-0017 |
| Strength requirements according to DIN 18251 Class 3, max. intrusion resistance and high user frequency: | |
| Min. load of latch | 3 kN |
| Min. load of bolt | 6 kN |
| Min. bolt counterpressure | 2 kN |
| Full length of connection lead | 10 m |

ORDER DATA

TUBULAR FRAME

ELECTRIC LOCK WITH MULTIPLE BOLTS 819

Version Panic direction



Versions

D
F

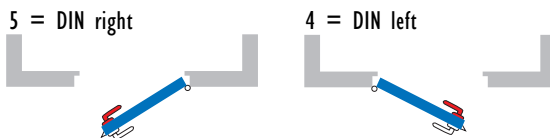
Voltage

| Tubular version | | | | | | |
|---|---------|---------|---------------|---------|---------------------|------|
| Article / Description | Version | Backset | Function | Voltage | Order No. | |
| Electric lock with multiple bolts with panic function, Euro. profile cylinder, CTC 92 mm, face plate 24 mm | C/D/E/F | 35 | Fail-locked | E4/F4 | 819-12V92-35 | ** * |
| Electric lock with multiple bolts with panic function, Euro. profile cylinder, CTC 92 mm, face plate 24 mm | C/D/E/F | 40 | Fail-locked | E4/F4 | 819-12V92-40 | ** * |
| Electric lock with multiple bolts with panic function, Euro. profile cylinder, CTC 92 mm, face plate 24 mm | C/D/E/F | 45 | Fail-locked | E4/F4 | 819-12V92-45 | ** * |
| Electric lock with multiple bolts with panic function, Swiss profile circular cylinder, CTC 94 mm, face plate 24 mm | C/D/E/F | 35 | Fail-locked | E4/F4 | 819-13V94-35 | ** * |
| Electric lock with multiple bolts with panic function, Swiss profile circular cylinder, CTC 94 mm, face plate 24 mm | C/D/E/F | 40 | Fail-locked | E4/F4 | 819-13V94-40 | ** * |
| Electric lock with multiple bolts with panic function, Swiss profile circular cylinder, CTC 94 mm, face plate 24 mm | C/D/E/F | 45 | Fail-locked | E4/F4 | 819-13V94-45 | ** * |
| Electric lock with multiple bolts with panic function, Euro. profile cylinder, CTC 92 mm, face plate 24 mm | C/D/E/F | 35 | Fail-unlocked | E9/F9 | 819-32V92-35 | ** * |
| Electric lock with multiple bolts with panic function, Euro. profile cylinder, CTC 92 mm, face plate 24 mm | C/D/E/F | 40 | Fail-unlocked | E9/F9 | 819-32V92-40 | ** * |
| Electric lock with multiple bolts with panic function, Euro. profile cylinder, CTC 92 mm, face plate 24 mm | C/D/E/F | 45 | Fail-unlocked | E9/F9 | 819-32V92-45 | ** * |
| Electric lock with multiple bolts with panic function, Swiss profile circular cylinder, CTC 94 mm, face plate 24 mm | C/D/E/F | 35 | Fail-unlocked | E9/F9 | 819-33V94-35 | ** * |
| Electric lock with multiple bolts with panic function, Swiss profile circular cylinder, CTC 94 mm, face plate 24 mm | C/D/E/F | 40 | Fail-unlocked | E9/F9 | 819-33V94-40 | ** * |
| Electric lock with multiple bolts with panic function, Swiss profile circular cylinder, CTC 94 mm, face plate 24 mm | C/D/E/F | 45 | Fail-unlocked | E9/F9 | 819-33V94-45 | ** * |

Voltages: E9 = 12 V Fail-unlocked, E4 = 12 V Fail-locked, F9 = 24 V Fail-unlocked, F4 = 24 V Fail-locked

↑
E = EN1125 version
for combination
with panic bar

DIN direction



DIN directions left 4
right 5

Voltage (see below)*

| Tubular frame version, without panic function | | | | | | |
|--|-----|---------|---------------|---------|---------------------|------|
| Article / Description | DIN | Backset | Function | Voltage | Order No. | |
| Electric security lock with multiple bolts without panic function, Euro. profile cylinder, through follower CTC 92 mm, face plate 24 mm | 4/5 | 35 | Fail-locked | E4/F4 | 819-14V92B35 | ** * |
| Electric security lock with multiple bolts without panic function, Euro. profile cylinder, through follower CTC 92 mm, face plate 24 mm | 4/5 | 40 | Fail-locked | E4/F4 | 819-14V92B40 | ** * |
| Electric security lock with multiple bolts without panic function, Euro. profile cylinder, through follower CTC 92 mm, face plate 24 mm | 4/5 | 45 | Fail-locked | E4/F4 | 819-14V92B45 | ** * |
| Electric security lock with multiple bolts without panic function, Swiss profile circular cylinder, through follower CTC 94 mm, face plate 24 mm | 4/5 | 35 | Fail-locked | E4/F4 | 819-15V94B35 | ** * |
| Electric security lock with multiple bolts without panic function, Swiss profile circular cylinder, through follower CTC 94 mm, face plate 24 mm | 4/5 | 40 | Fail-locked | E4/F4 | 819-15V94B40 | ** * |
| Electric security lock with multiple bolts without panic function, Swiss profile circular cylinder, through follower CTC 94 mm, face plate 24 mm | 4/5 | 45 | Fail-locked | E4/F4 | 819-15V94B45 | ** * |
| Electric security lock with multiple bolts without panic function, Euro. profile cylinder, through follower CTC 92 mm, face plate 24 mm | 4/5 | 35 | Fail-unlocked | E9/F9 | 819-34V92B35 | ** * |
| Electric security lock with multiple bolts without panic function, Euro. profile cylinder, through follower CTC 92 mm, face plate 24 mm | 4/5 | 40 | Fail-unlocked | E9/F9 | 819-34V92B40 | ** * |
| Electric security lock with multiple bolts without panic function, Euro. profile cylinder, through follower CTC 92 mm, face plate 24 mm | 4/5 | 45 | Fail-unlocked | E9/F9 | 819-34V92B45 | ** * |
| Electric security lock with multiple bolts without panic function, Swiss profile circular cylinder, through follower CTC 94 mm, face plate 24 mm | 4/5 | 35 | Fail-unlocked | E9/F9 | 819-35V94B35 | ** * |
| Electric security lock with multiple bolts without panic function, Swiss profile circular cylinder, through follower CTC 94 mm, face plate 24 mm | 4/5 | 40 | Fail-unlocked | E9/F9 | 819-35V94B40 | ** * |
| Electric security lock with multiple bolts without panic function, Swiss profile circular cylinder, through follower CTC 94 mm, face plate 24 mm | 4/5 | 45 | Fail-unlocked | E9/F9 | 819-35V94B45 | ** * |

*Voltages: E9 = 12 V Fail-unlocked, E4 = 12 V Fail-locked, F9 = 24 V Fail-unlocked, F4 = 24 V Fail-locked

Accessories:

- Connection lead 809-ZBKAB06 see Page 57
- Striking plates included in scope of delivery
- Voltage supply see Page 57
- Panic bar I and door furniture according to EN1125 see Page 42/43, 46/47
- Door handle fitting according to EN179 see Page 38/39
- Cable connection see Page 56



New standards for doors in escape routes

Since 1 April 2003 new standards for doors in escape routes have become valid in two application areas.

- Emergency exit locks according to DIN EN 179
- Panic locks according to DIN EN 1125

DIN EN 179 describes emergency exit locks with handle or push plate for doors in escape routes

An emergency exit lock according to EN 179 is a mechanism that is suitable for buildings in which panic will most probably not break out in a dangerous situation. Emergency exit locks should ensure a secure and effective escape through a door by simply and quickly unlocking the escape door lock. Previous knowledge of the function of the lock is necessary to operate it quickly. The lock secures the closed door. It comprises a blocking element (or several blocking elements) that engages in the counter unit of the blocking element in the door frame or floor. The blocking element is released by pressing the door handle or the push plate downward or in the direction of escape.

Note!

Emergency exit locks are not suitable as panic locks!

Test criteria DIN EN 179:

- No test with side load
- Permanent function test - 200.000 test cycles
- CE mark necessary
- Conformity declaration by independent test institute (MPI Dortmund)
- Lock, door furniture and striking plate must be tested together

Door furniture approved according to DIN EN 179

- IKON door furniture DO No. 20.15.01 and 20.15.02
- FSB door furniture DO No. 20.03.01 and 20.03.02
- HEWI door furniture DO No. 20.13.01 and 20.13.02

Further approvals are to follow.

DIN EN 1125 describes panic door locks in combination with horizontal bars in escape routes

A panic door lock according to EN 1125 is a mechanism that is suitable for buildings in which panic will probably break out in a dangerous situation. It is intended as a reliable possibility of escape requiring minimum of effort and without previous knowledge of the escape door lock. Even when the door is preloaded (side load), the panic locks must unlock reliably. The lock locks the closed door. It consists of a blocking element (or several blocking elements) that engages in the counter unit of the blocking element in the surrounding door frame. The blocking element is released in the escape direction by the movement of the horizontal operating bar on the inside of the door. It must be possible to activate the release function at every point over the full length of the bar.

Note!

Panic locks are also suitable for emergency exits!

Test criteria DIN EN 1125:

- Opening force with max. 220 N side load at a pressure of 1000 N on the test door
- Permanent function test 200.000 test cycles
- Vandalism test
- CE mark necessary
- Conformity declaration by independent test institute (MPI Dortmund)
- Lock, panic bar and striking plate must be tested together

Door furniture approved according to DIN EN 179

- effeff panic bar I DO No. 30.04
- effeff panic bar II DO No. 30.06
- IKON panic bar DO No. 30.05

Further approvals are to follow.

TYPES OF DOOR FURNITURE

FRONT DOOR FURNITURE FOR TUBULAR FRAMES

ROSETTE VERSION

Door furniture for models 309X, 409X, 509X (EN 179)

Tubular frame version (backset 30-45 mm)

Front door furniture

Model 509ZB02-35

Rosette version

Stainless steel, DO 20.3.02 for DIN EN 179

Complete set:

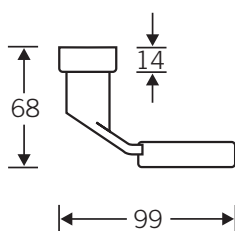
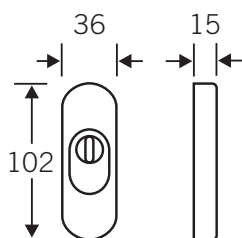
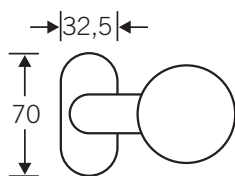
- Door furniture and fixing material (screws M5 x 25, one rivet nuts).
- Internal and external door furniture screwed separately.
- Half spindle with roller, see table.
- Protective rosette with integrated cylinder protection (inc. fixing material)

Order No.

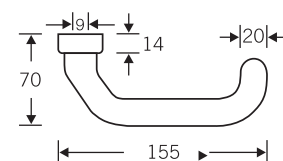
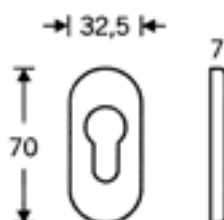
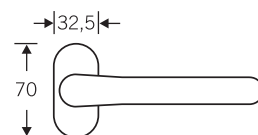
509ZB02-----35

32

External



Internal



FOR DIN EN 179

ROSETTE VERSION

FRONT DOOR FURNITURE FOR TUBULAR FRAMES

Spindles for tubular frame front door furniture (complete)

| Article / Description | Door thickness mm | Spindle/pin length mm | Order No. |
|--|----------------------|--------------------------|------------------------|
| Half spindles with roller for tubular frame front door furniture, rosette version (complete furniture) | 35-45 | 95 | 509-ZWS-095--00 |
| Half spindles with roller for tubular frame front door furniture, rosette version (complete furniture) | 45-55 | 105 | 509-ZWS-105--00 |
| Half spindles with roller for tubular frame front door furniture, rosette version (complete furniture) | 55-65 | 115 | 509-ZWS-115--00 |
| Half spindles with roller for tubular frame front door furniture, rosette version (complete furniture) | 65-75 | 125 | 509-ZWS-125--00 |
| Half spindles with roller for tubular frame front door furniture, rosette version (complete furniture) | 75-85 | 135 | 509-ZWS-135--00 |

TYPES OF DOOR FURNITURE

FRONT DOOR FURNITURE FOR TUBULAR FRAMES

LONG ESCUTCHEON VERSION

Door furniture for models 309X, 409X, 509X Tubular frame versions (backset 30-45 mm)

Aluminium, stainless steel
DO 20.3.2 für DIN EN 179

Stainless steel, CTC 92 mm perforated European profile cylinder, with integrated cylinder protection
Order No.

509ZBI4-----35

Aluminium FI, CTC 92 mm perforated profile cylinder, with integrated cylinder protection
Order No.

509ZBI4-----44

See tables for matching spindle and fixing screw set

Note!

With lock model 509X, tubular frame version, only 2-point fixation feasible



FOR DIN EN 179

LONG ESCUTCHEON VERSION

FRONT DOOR FURNITURE FOR TUBULAR FRAMES

Spindles for tubular frame front door furniture

| Article / Description | Door thickness mm | Spindle/pin length mm | Order No. |
|---|-------------------|-----------------------|-----------------|
| Half spindles with roller for tubular frame front door furniture (complete) | 35-40 | 80 | 509-ZWS-080--00 |
| Half spindles with roller for tubular frame front door furniture (complete) | 40-45 | 85 | 509-ZWS-085--00 |
| Half spindles with roller for tubular frame front door furniture (complete) | 45-50 | 90 | 509-ZWS-090--00 |
| Half spindles with roller for tubular frame front door furniture (complete) | 50-55 | 95 | 509-ZWS-095--00 |
| Half spindles with roller for tubular frame front door furniture (complete) | 55-60 | 100 | 509-ZWS-100--00 |
| Half spindles with roller for tubular frame front door furniture (complete) | 60-65 | 105 | 509-ZWS-105--00 |
| Half spindles with roller for tubular frame front door furniture (complete) | 65-70 | 110 | 509-ZWS-110--00 |
| Half spindles with roller for tubular frame front door furniture (complete) | 70-75 | 115 | 509-ZWS-115--00 |
| Half spindles with roller for tubular frame front door furniture (complete) | 75-80 | 120 | 509-ZWS-120--00 |
| Half spindles with roller for tubular frame front door furniture (complete) | 80-85 | 125 | 509-ZWS-125--00 |

Fixing screw set for front door furniture and door handle fitting

| Article / Description | Door thickness mm | Screw length, mm | Order No. |
|--|-------------------|------------------|-----------------|
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 35-40 | 45 | 809-ZS-045---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 40-45 | 50 | 809-ZS-050---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 45-50 | 55 | 809-ZS-055---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 50-55 | 60 | 809-ZS-060---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 55-60 | 65 | 809-ZS-065---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 60-65 | 70 | 809-ZS-070---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 65-70 | 75 | 809-ZS-075---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 70-75 | 80 | 809-ZS-080---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 75-80 | 85 | 809-ZS-085---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 80-85 | 90 | 809-ZS-090---00 |

TYPES OF DOOR FURNITURE

FRONT DOOR FURNITURE FOR WOODEN/STEEL DOORS

LONG ESCUTCHEON VERSION

Door furniture for models 309X, 409X, 509X
Wooden/steel door version (backset 55-100 mm)

Front door furniture

Model 509ZB01-35

Stainless steel DO 20.3.01 for DIN EN 179

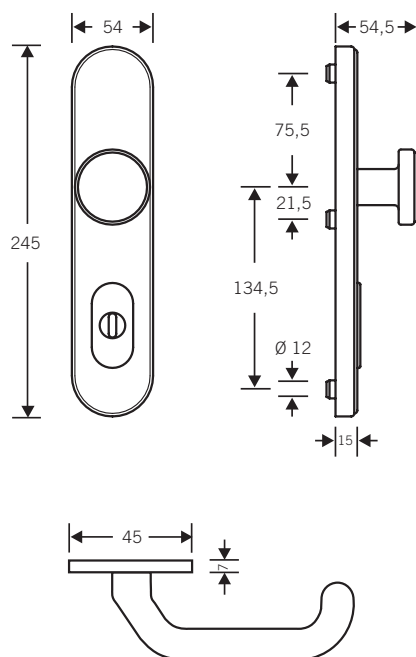
Complete set with door furniture and fixing material

Matching half spindle with roller and screws for through fixing in the long escutcheon with knob, see table

Stainless steel, CTC 72 mm European perforated profile cylinder, with integrated cylinder protection

Order No.

509ZB01-----35



FOR DIN EN 179

LONG ESCUTCHEON VERSION

FRONT DOOR FURNITURE FOR WOODEN/STEEL DOORS

Spindles for wooden/steel door front door furniture (complete)

| Article / Description | Door thickness mm | Spindle/pin length mm | Order No. |
|--|----------------------|--------------------------|-----------------|
| Half spindles with roller for wooden/steel front door furniture (complete) | 38-48 | 100 | 509-ZWS-100--00 |
| Half spindles with roller for wooden/steel front door furniture (complete) | 48-58 | 110 | 509-ZWS-110--00 |
| Half spindles with roller for wooden/steel front door furniture (complete) | 58-68 | 120 | 509-ZWS-120--00 |
| Half spindles with roller for wooden/steel front door furniture (complete) | 68-78 | 130 | 509-ZWS-130--00 |
| Half spindles with roller for wooden/steel front door furniture (complete) | 78-88 | 140 | 509-ZWS-140--00 |

Fixing screw set set for front door furniture and door handle fitting for wooden/steel doors

| Article / Description | Door thickness mm | Screw length, mm | Order No. |
|--|----------------------|---------------------|-----------------|
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 35-40 | 45 | 809-ZS-045---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 40-45 | 50 | 809-ZS-050---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 45-50 | 55 | 809-ZS-055---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 50-55 | 60 | 809-ZS-060---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 55-60 | 65 | 809-ZS-065---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 60-65 | 70 | 809-ZS-070---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 65-70 | 75 | 809-ZS-075---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 70-75 | 80 | 809-ZS-080---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 75-80 | 85 | 809-ZS-085---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 80-85 | 90 | 809-ZS-090---00 |

TYPES OF DOOR FURNITURE

DOOR FURNITURE FOR TUBULAR FRAMES

LONG ESCUTCHEON VERSION

Door furniture for models 709X, 809, 819 Tubular frame version (backset 30-45 mm)

Stainless steel with integrated cylinder protection

DO 20.3.02 for DIN EN 179

Order No.

809ZB02-----35

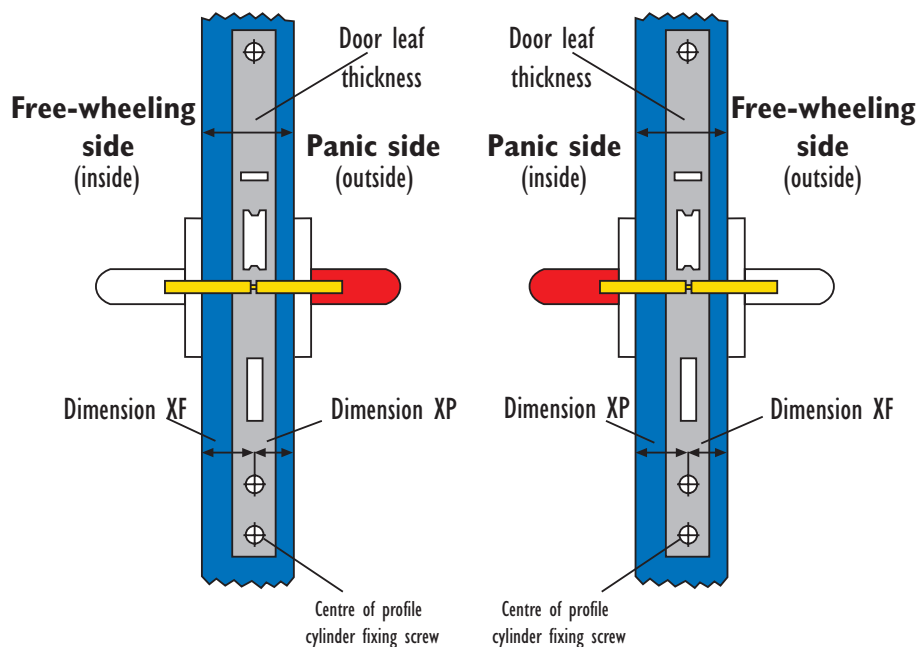
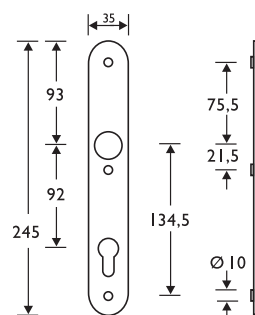
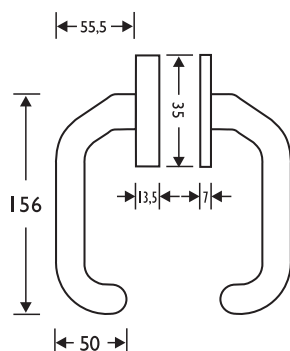
Aluminium FI with integrated cylinder protection

DO 20.3.02 for DIN EN 179

Order No.

809ZB02-----44

Matching half spindle and
fixing screw set see table



FOR DIN EN 179

LONG ESCUTCHEON VERSION

DOOR FURNITURE FOR TUBULAR FRAMES

Square pin - free-wheeling side for door handle fitting 809ZB02 tubular frame

| Article / Description | Dimension XF mm | Spindle/pin length mm | Order No. |
|--|--------------------|--------------------------|------------------------|
| Special square pin for outside of door | 14-17.5 | 43 | 809-ZXF-430--00 |
| Special square pin for outside of door | 17.5-21 | 46.5 | 809-ZXF-465--00 |
| Special square pin for outside of door | 21-24.5 | 50 | 809-ZXF-500--00 |
| Special square pin for outside of door | 24.5-28 | 53.5 | 809-ZXF-535--00 |
| Special square pin for outside of door | 28-31.5 | 57 | 809-ZXF-570--00 |
| Special square pin for outside of door | 31.5-35 | 60.5 | 809-ZXF-605--00 |
| Special square pin for outside of door | 35-38.5 | 64 | 809-ZXF-640--00 |
| Special square pin for outside of door | 38.5-42 | 67.5 | 809-ZXF-675--00 |
| Special square pin for outside of door | 42-45.5 | 71 | 809-ZXF-710--00 |

Square pin for panic side for door handle fitting 809ZB02 tubular frame

| Article / Description | Dimension XP mm | Spindle/pin length mm | Order No. |
|---------------------------------------|--------------------|--------------------------|------------------------|
| Special square pin for inside of door | 16-19.5 | 38 | 809-ZXP-380--00 |
| Special square pin for inside of door | 19.5-23 | 41.5 | 809-ZXP-415--00 |
| Special square pin for inside of door | 23-26.5 | 45 | 809-ZXP-450--00 |
| Special square pin for inside of door | 26.5-30 | 48.5 | 809-ZXP-485--00 |
| Special square pin for inside of door | 30-33.5 | 52 | 809-ZXP-520--00 |
| Special square pin for inside of door | 33.5-37 | 55.5 | 809-ZXP-555--00 |
| Special square pin for inside of door | 37-40.5 | 59 | 809-ZXP-590--00 |
| Special square pin for inside of door | 40.5-44 | 62.5 | 809-ZXP-625--00 |
| Special square pin for inside of door | 44-47.5 | 66 | 809-ZXP-660--00 |

Full pins for door handle fitting 809ZB02 with one-piece pin for locks 709X, 809 and 819 without panic function

| Article / Description | Door thickness mm | Spindle/pin length mm | Order No. |
|-----------------------|----------------------|--------------------------|------------------------|
| Full pins | 33-38 | 85 | 809-ZXV-085--00 |
| Full pins | 38-43 | 90 | 809-ZXV-090--00 |
| Full pins | 43-48 | 95 | 809-ZXV-095--00 |
| Full pins | 48-53 | 100 | 809-ZXV-100--00 |
| Full pins | 53-58 | 105 | 809-ZXV-105--00 |
| Full pins | 58-63 | 110 | 809-ZXV-110--00 |
| Full pins | 63-68 | 115 | 809-ZXV-115--00 |
| Full pins | 68-73 | 120 | 809-ZXV-120--00 |
| Full pins | 73-78 | 125 | 809-ZXV-125--00 |
| Full pins | 78-83 | 130 | 809-ZXV-130--00 |
| Full pins | 83-88 | 135 | 809-ZXV-135--00 |

Fixing screw set set for front door furniture and door handle fitting for tubular frames

| Article / Description | Door thickness mm | Screw length, mm | Order No. |
|--|----------------------|---------------------|------------------------|
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 35-40 | 45 | 809-ZS-045---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 40-45 | 50 | 809-ZS-050---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 45-50 | 55 | 809-ZS-055---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 50-55 | 60 | 809-ZS-060---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 55-60 | 65 | 809-ZS-065---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 60-65 | 70 | 809-ZS-070---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 65-70 | 75 | 809-ZS-075---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 70-75 | 80 | 809-ZS-080---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 75-80 | 85 | 809-ZS-085---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 80-85 | 90 | 809-ZS-090---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 85-90 | 95 | 809-ZS-095---00 |

TYPES OF DOOR FURNITURE

DOOR FURNITURE FOR WOODEN/STEEL DOORS

LONG ESCUTCHEON VERSION

Door furniture for models 709X, 809, 819 (DIN EN 179)

Wooden/steel door version (backset 55-110 mm)

Stainless steel with integrated cylinder protection

DO 20.3.01 for DIN EN 179

Order No.

809ZB01-----35

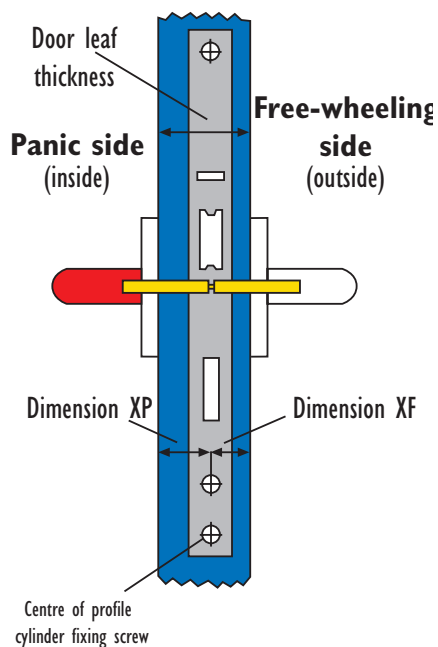
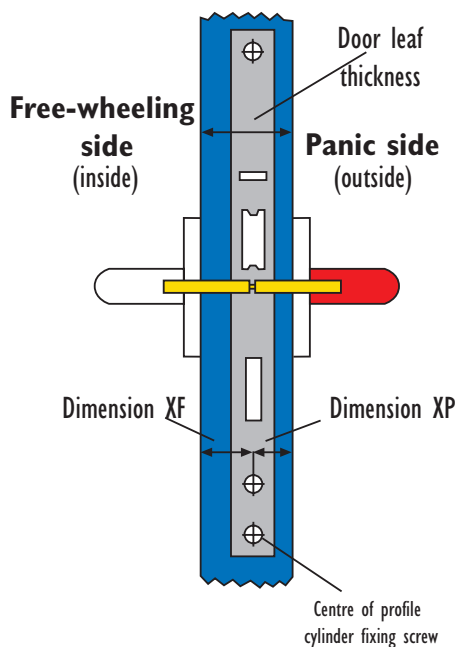
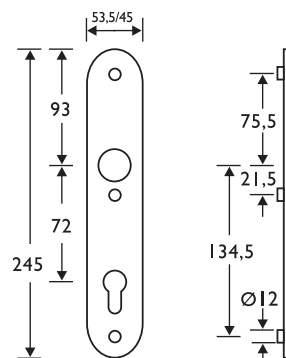
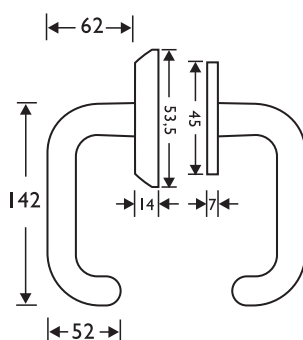
Aluminium FI with integrated cylinder protection

DO 20.3.01 for DIN EN 179

Order No.

809ZB01-----44

Matching half spindle and
fixing screw set, see table



FOR DIN EN 179

LONG ESCUTCHEON VERSION

DOOR FURNITURE FOR WOODEN/STEEL DOORS

Square pin - free-wheeling side

for door handle fitting 809ZB01 wooden/steel door version

| Article / Description | Dimension XF mm | Spindle/pin length mm | Order No. |
|-----------------------------------|--------------------|--------------------------|------------------------|
| Special square pin for outer side | 14.5-45.5 | 71 | 809-ZXF-710--00 |
| Special square pin for outer side | 46-75 | 100 | 809-ZXF-1000-00 |

Square pin - panic side

side for door handle fitting 809ZB01 wooden/steel door version

| Article / Description | Dimension XF mm | Spindle/pin length mm | Order No. |
|-----------------------------------|--------------------|--------------------------|------------------------|
| Special square pin for inner side | 15-45 | 66 | 809-ZXP-660--00 |
| Special square pin for inner side | 45-60 | 76.5 | 809-ZXP-765--00 |

Full pins for door handle fitting 809ZB01 with one-piece pin for locks 709X, 809 and 819 without panic function

| Article / Description | Door thickness mm | Spindle/pin length mm | Order No. |
|-----------------------|----------------------|--------------------------|------------------------|
| Full pins | 28-90 | 140 | 809-ZXV-140--00 |

Fixing screw set set for front door furniture and door handle fitting — wooden/steel door version

| Article / Description | Door thickness mm | Screw length, mm | Order No. |
|--|----------------------|---------------------|------------------------|
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 35-40 | 45 | 809-ZS-045---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 40-45 | 50 | 809-ZS-050---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 45-50 | 55 | 809-ZS-055---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 50-55 | 60 | 809-ZS-060---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 55-60 | 65 | 809-ZS-065---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 60-65 | 70 | 809-ZS-070---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 65-70 | 75 | 809-ZS-075---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 70-75 | 80 | 809-ZS-080---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 75-80 | 85 | 809-ZS-085---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 80-85 | 90 | 809-ZS-090---00 |
| Fixing screw set for front door furniture and door handle fitting (3 x M6/2 x M8 screws) | 85-90 | 95 | 809-ZS-095---00 |

TYPES OF DOOR FURNITURE

PANIC BAR I

FOR INSIDE OF DOOR

Panic bar I
(DIN EN 1125)
Model 8000 in combination
with lock 309X, 409X, 509X,
709X, 809E 819E

Bar Brushed stainless steel
Housing Plastic, silver coloured
DO No. 20.03

Order No.

Panic bar without profile cylinder perforation

8000-00-2100---

Order No.

Panic bar with perforation for European profile cylinder, 92 mm CTC

8000-10-2100---

Order No.

Panic bar with perforation for Swiss circular profile cylinder, 94 mm CTC

8000-11-2100---

Panic bar I
(DIN EN 1125)
Model 8000 in combination
with lock 309X, 409X, 509X,
709X, 809E, 819E

Bar Brushed stainless steel
Housing Black plastic
DO Nr. 20.03

Order No.

Panic bar without profile cylinder perforation

8000-00-1100---

Order No.

Panic bar with perforation for European profile cylinder, 92 mm CTC

8000-10-1100---

Order No.

Panic bar with perforation for Swiss circular profile cylinder, 94 mm CTC

8000-11-1100---



Order No.

Panic bar with perforation for European profile cylinder, 72 mm CTC

8000-20-2100---

Order No.

Panic bar with perforation for Swiss circular profile cylinder, 74 mm CTC

8000-21-2100---



Order No.

Panic bar with perforation for European profile cylinder, 72 mm CTC

8000-20-1100---

Order No.

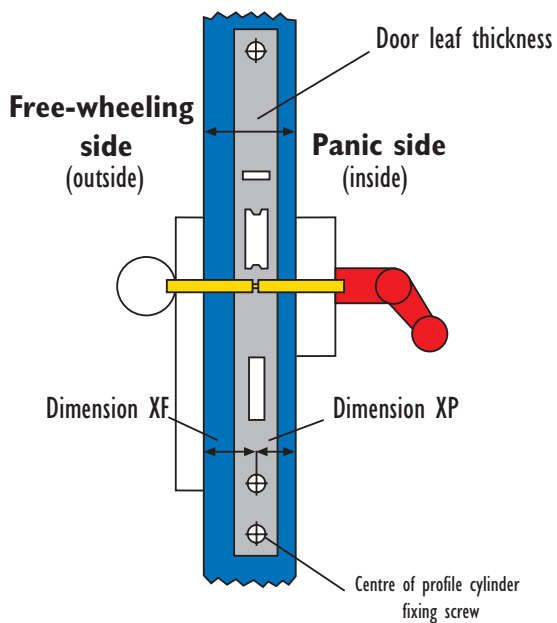
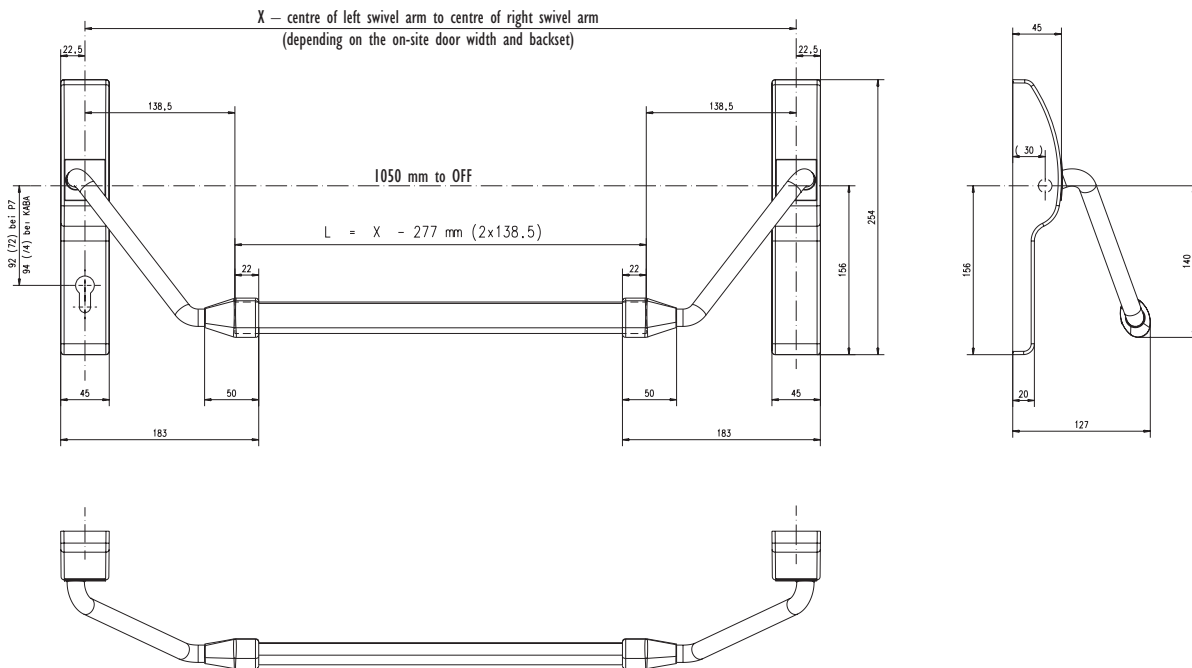
Panic bar with perforation for Swiss circular profile cylinder, 74 mm CTC

8000-21-1100---

FOR DIN EN 1125

FOR INSIDE OF DOOR

PANIC BAR I



Note:

See following pages for door furniture and special pins for above mentioned panic bars.

Dimensions XP and XF are required for the different types of door furniture of the handle-controlled locks (Page 46 and 47). (See graphics on the left).

The external handle is never part of the certification according to DIN EN 1125. We recommend the use of external door furniture from the effeff delivery program.

TYPES OF DOOR FURNITURE

FOR MODELS 309X/409X/509X

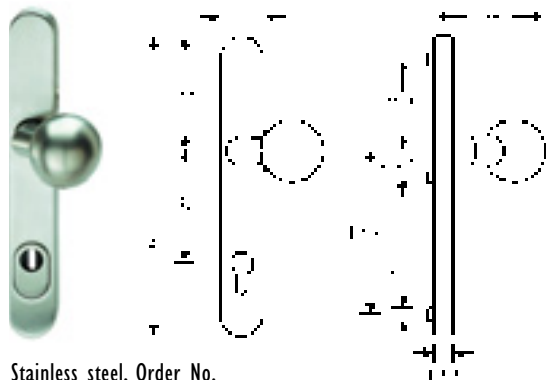
TUBULAR FRAME

FOR OUTSIDE OF DOOR

External door furniture for panic bar I Model 8000

Long escutcheon with knob (ball head), cranked

92 mm CTC, perforated European profile cylinder, with integrated cylinder protection



Stainless steel, Order No.

509ZB04-----35

Aluminium FI, Order No.

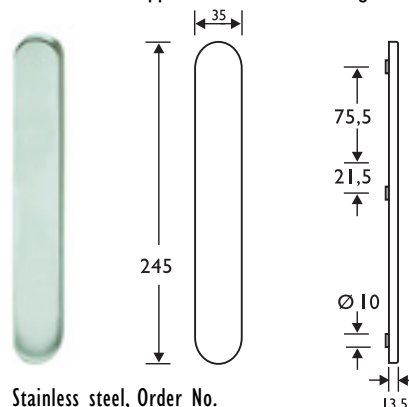
509ZB04-----44

Note!

With lock model 509X,
tubular frame version,
only 2-point fixation feasible

Blind escutcheon for panic bar I

Outer side as support for counter-screwing



Stainless steel, Order No.

8100-BL02----35

Aluminium FI, Order No.

8100-BL02----44

Half spindles with roller for long escutcheon with knob, external door furniture for combining with panic bar I

| Article / Description | Door thickness in mm | Spindle/pin length in mm | Order No. |
|--|----------------------|--------------------------|-----------------|
| Half spindles with roller for tubular frame, single fixed front door furniture for panic bar | 40 - 45 | 75 | 509-ZWS-075--00 |
| Half spindles with roller for tubular frame, single fixed front door furniture for panic bar | 45 - 50 | 80 | 509-ZWS-080--00 |
| Half spindles with roller for tubular frame, single fixed front door furniture for panic bar | 50 - 55 | 85 | 509-ZWS-085--00 |
| Half spindles with roller for tubular frame, single fixed front door furniture for panic bar | 55 - 60 | 90 | 509-ZWS-090--00 |
| Half spindles with roller for tubular frame, single fixed front door furniture for panic bar | 60 - 65 | 95 | 509-ZWS-095--00 |
| Half spindles with roller for tubular frame, single fixed front door furniture for panic bar | 65 - 70 | 100 | 509-ZWS-100--00 |
| Half spindles with roller for tubular frame, single fixed front door furniture for panic bar | 70 - 75 | 105 | 509-ZWS-105--00 |
| Half spindles with roller for tubular frame, single fixed front door furniture for panic bar | 75 - 80 | 110 | 509-ZWS-110--00 |
| Half spindles with roller for tubular frame, single fixed front door furniture for panic bar | 80 - 85 | 115 | 509-ZWS-115--00 |

Fixing screw set for long escutcheon with knob and blind escutcheon

| Article / Description | Door thickness in mm | Screw length | Order No. |
|--|----------------------|--------------|------------------|
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 35 - 40 | 45 | 809-ZS-045----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 40 - 45 | 50 | 809-ZS-050----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 45 - 50 | 55 | 809-ZS-055----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 50 - 55 | 60 | 809-ZS-060----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 55 - 60 | 65 | 809-ZS-065----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 60 - 65 | 70 | 809-ZS-070----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 65 - 70 | 75 | 809-ZS-075----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 70 - 75 | 80 | 809-ZS-080----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 75 - 80 | 85 | 809-ZS-085----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 80 - 85 | 90 | 809-ZS-090----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 85 - 90 | 95 | 809-ZS-095----00 |

Please order a fixing screw set for each escutcheon.

FOR DIN EN 1125

OUTSIDE OF DOOR

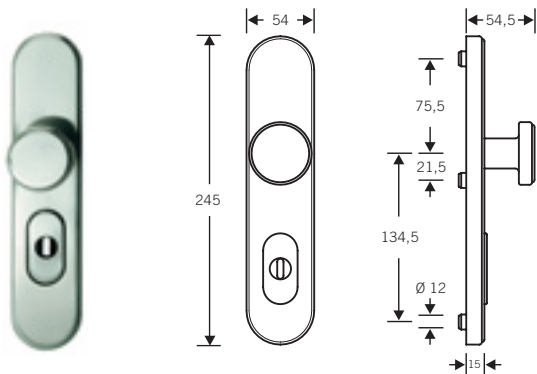
WOODEN/STEEL DOORS

FOR MODELS 309X/409X/509X

External door furniture for panic bar I Model 8000

Long escutcheon with knob

72 mm CTC, perforated European profile cylinder, with integrated cylinder protection

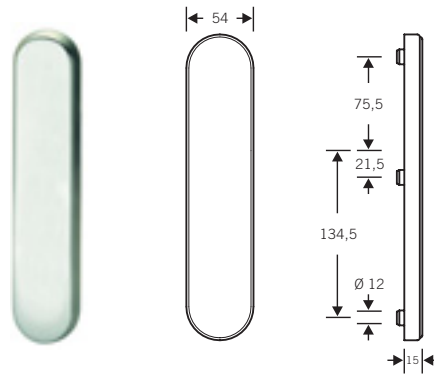


Stainless steel, Order No.

509ZB03-----35

Blind escutcheon for panic bar I

Outer side as support for counter-screwing



Stainless steel, Order No.

8100-BL01----35

Aluminium version not available

Half spindles for long escutcheon with knob, external door furniture for combining with panic bar I

| Article / Description | Door thickness in mm | Spindle/pin length in mm | Order No. |
|--|----------------------|--------------------------|-----------------|
| Half spindles with roller for wooden/steel door version, single fixed front door furniture | 38 - 43 | 80 | 509-ZWS-080--00 |
| Half spindles with roller for wooden/steel door version, single fixed front door furniture | 43 - 48 | 85 | 509-ZWS-085--00 |
| Half spindles with roller for wooden/steel door version, single fixed front door furniture | 48 - 53 | 90 | 509-ZWS-090--00 |
| Half spindles with roller for wooden/steel door version, single fixed front door furniture | 53 - 58 | 95 | 509-ZWS-095--00 |
| Half spindles with roller for wooden/steel door version, single fixed front door furniture | 58 - 63 | 100 | 509-ZWS-100--00 |
| Half spindles with roller for wooden/steel door version, single fixed front door furniture | 63 - 68 | 105 | 509-ZWS-105--00 |
| Half spindles with roller for wooden/steel door version, single fixed front door furniture | 68 - 73 | 110 | 509-ZWS-110--00 |
| Half spindles with roller for wooden/steel door version, single fixed front door furniture | 73 - 78 | 115 | 509-ZWS-115--00 |
| Half spindles with roller for wooden/steel door version, single fixed front door furniture | 78 - 83 | 120 | 509-ZWS-120--00 |
| Half spindles with roller for wooden/steel door version, single fixed front door furniture | 83 - 88 | 125 | 509-ZWS-125--00 |

Fixing screw set for long escutcheon with knob and blind escutcheon

| Article / Description | Door thickness in mm | Screw length | Order No. |
|--|----------------------|--------------|------------------|
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 35 - 40 | 45 | 809-ZS-045----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 40 - 45 | 50 | 809-ZS-050----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 45 - 50 | 55 | 809-ZS-055----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 50 - 55 | 60 | 809-ZS-060----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 55 - 60 | 65 | 809-ZS-065----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 60 - 65 | 70 | 809-ZS-070----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 65 - 70 | 75 | 809-ZS-075----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 70 - 75 | 80 | 809-ZS-080----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 75 - 80 | 85 | 809-ZS-085----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 80 - 85 | 90 | 809-ZS-090----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 85 - 90 | 95 | 809-ZS-095----00 |

Please order a fixing screw set for each escutcheon.

TYPES OF DOOR FURNITURE

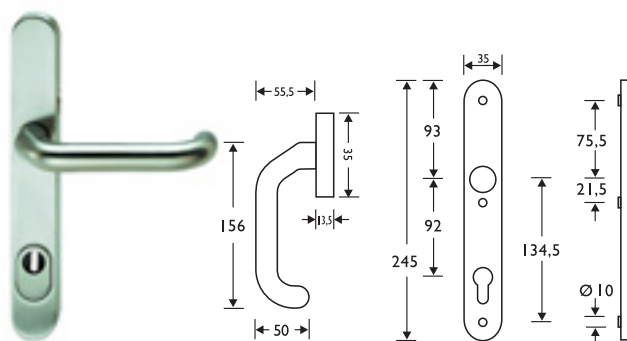
FOR MODELS 709X/809E/819E

TUBULAR FRAME

FOR OUTSIDE OF DOOR

External door furniture for panic bar I Model 8000

Single side handle fitting with integrated cylinder protection
External door furniture, 92 mm CTC



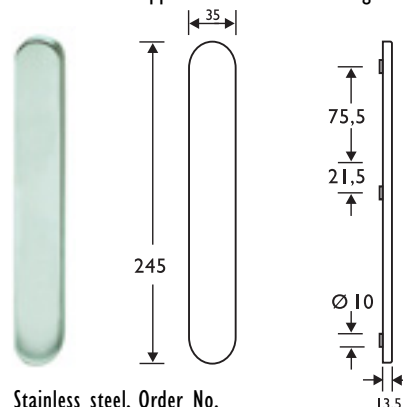
Stainless steel, Order No.

809ZB04-----35

Aluminium FI, Order No.

809ZB04-----44

Blind escutcheon for panic bar I
Outer side as support for counter screwing



Stainless steel, Order No.

8100-BL02----35

Aluminium FI, Order No.

8100-BL02----44

Square pin, free-wheeling side for door furniture – tubular frame≤

| Article / Description | Dimension XF mm | Spindle/pin length mm | Order No. |
|-----------------------------------|-----------------|-----------------------|------------------------|
| Special square pin for outer side | 14 - 17.5 | 43 | 809-ZXF-430--00 |
| Special square pin for outer side | 17.5 - 21 | 46.5 | 809-ZXF-465--00 |
| Special square pin for outer side | 21 - 24.5 | 50 | 809-ZXF-500--00 |
| Special square pin for outer side | 24.5 - 28 | 53.5 | 809-ZXF-535--00 |
| Special square pin for outer side | 28 - 31.5 | 57 | 809-ZXF-570--00 |
| Special square pin for outer side | 31.5 - 35 | 60.5 | 809-ZXF-605--00 |
| Special square pin for outer side | 35 - 38.5 | 64 | 809-ZXF-640--00 |
| Special square pin for outer side | 38.5 - 42 | 67.5 | 809-ZXF-675--00 |
| Special square pin for outer side | 42 - 45.5 | 71 | 809-ZXF-710--00 |

Definition of dimensions XF and SP, see Page 45.

Square pin - panic side for panic bar

| Article / Description | Dimension XF mm | Spindle/pin length mm | Order No. |
|-----------------------------------|-----------------|-----------------------|------------------------|
| Special square pin for inner side | 16 - 19.5 | 27.5 | 809-ZXP-275--00 |
| Special square pin for inner side | 19.5 - 23 | 31 | 809-ZXP-310--00 |
| Special square pin for inner side | 23 - 26.5 | 34.5 | 809-ZXP-345--00 |
| Special square pin for inner side | 26.5 - 30 | 38 | 809-ZXP-380--00 |
| Special square pin for inner side | 30 - 33.5 | 41.5 | 809-ZXP-415--00 |
| Special square pin for inner side | 33.5 - 37 | 45 | 809-ZXP-450--00 |
| Special square pin for inner side | 37 - 40.5 | 48.5 | 809-ZXP-485--00 |
| Special square pin for inner side | 40.5 - 44 | 52 | 809-ZXP-520--00 |
| Special square pin for inner side | 44 - 47.5 | 55.5 | 809-ZXP-555--00 |

Definition of dimensions XF and SP, see Page 45.

Fixing screw set for a.m. single side handle fitting and blind escutcheon

| Article / Description | Door thickness in mm | Screw length | Order No. |
|---|----------------------|--------------|-------------------------|
| Fixing screw set door and front door furniture (3x M6 / 2x M8 screws) | 35 - 40 | 45 | 809-ZS-045----00 |
| Fixing screw set door and front door furniture (3x M6 / 2x M8 screws) | 40 - 45 | 50 | 809-ZS-050----00 |
| Fixing screw set door and front door furniture (3x M6 / 2x M8 screws) | 45 - 50 | 55 | 809-ZS-055----00 |
| Fixing screw set door and front door furniture (3x M6 / 2x M8 screws) | 50 - 55 | 60 | 809-ZS-060----00 |
| Fixing screw set door and front door furniture (3x M6 / 2x M8 screws) | 55 - 60 | 65 | 809-ZS-065----00 |
| Fixing screw set door and front door furniture (3x M6 / 2x M8 screws) | 60 - 65 | 70 | 809-ZS-070----00 |
| Fixing screw set door and front door furniture (3x M6 / 2x M8 screws) | 65 - 70 | 75 | 809-ZS-075----00 |
| Fixing screw set door and front door furniture (3x M6 / 2x M8 screws) | 70 - 75 | 80 | 809-ZS-080----00 |
| Fixing screw set door and front door furniture (3x M6 / 2x M8 screws) | 75 - 80 | 85 | 809-ZS-085----00 |
| Fixing screw set door and front door furniture (3x M6 / 2x M8 screws) | 80 - 85 | 90 | 809-ZS-090----00 |
| Fixing screw set door and front door furniture (3x M6 / 2x M8 screws) | 85 - 90 | 95 | 809-ZS-095----00 |

Please order a fixing screw set for each escutcheon.

FOR DIN EN 1125

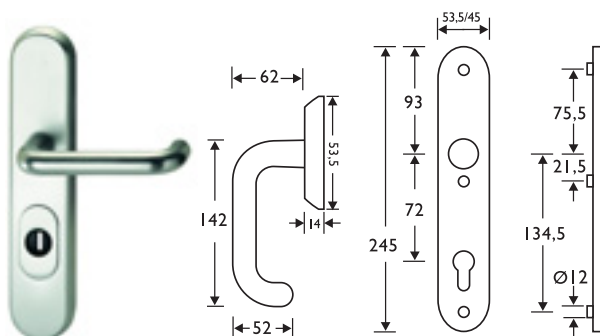
OUTSIDE OF DOOR

WOODEN/STEEL DOORS

FOR MODELS 709X/809E/819E

External door furniture for panic bar I Model 8000

Single side handle fitting with integrated cylinder protection
External door furniture, 72 mm CTC



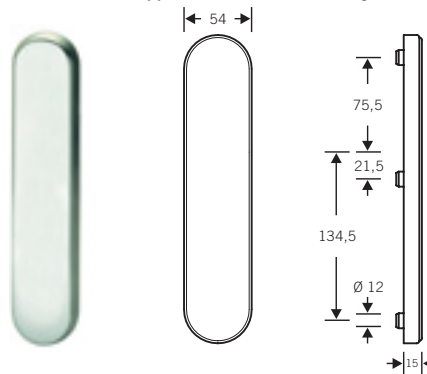
Stainless steel, Order No.

809ZB03-----35

Aluminium FI, Order No.

809ZB03-----44

Blind escutcheon for panic bar I
Outer side as support for counter screwing



Stainless steel, Order No.

8100-BL01----35

Aluminium FI, Order No.

8100-BL01----44

Square pin - free-wheeling side for single side handle fitting — wooden/steel door version

| Article / Description | Dimension XF | Spindle/pin length | Order No. |
|-----------------------------------|--------------|--------------------|------------------------|
| Special square pin for outer side | 14.5 - 45.5 | 71 | 809-ZXF-710--00 |
| Special square pin for outer side | 46 - 75 | 100 | 809-ZXF-1000-00 |

Definition of dimensions XF and SP, see Page 45.

Square pin - panic side for panic bar

| Article / Description | Dimension XF mm | Spindle/pin length mm | Order No. |
|-----------------------------------|-----------------|-----------------------|------------------------|
| Special square pin for inner side | 16 - 19.5 | 27.5 | 809-ZXP-275--00 |
| Special square pin for inner side | 19.5 - 23 | 31 | 809-ZXP-310--00 |
| Special square pin for inner side | 23 - 26.5 | 34.5 | 809-ZXP-345--00 |
| Special square pin for inner side | 26.5 - 30 | 38 | 809-ZXP-380--00 |
| Special square pin for inner side | 30 - 33.5 | 41.5 | 809-ZXP-415--00 |
| Special square pin for inner side | 33.5 - 37 | 45 | 809-ZXP-450--00 |
| Special square pin for inner side | 37 - 40.5 | 48.5 | 809-ZXP-485--00 |
| Special square pin for inner side | 40.5 - 44 | 52 | 809-ZXP-520--00 |
| Special square pin for inner side | 44 - 47.5 | 55.5 | 809-ZXP-555--00 |

Definition of dimensions XF and SP, see Page 45.

Fixing screw set set for front door furniture and door handle fitting — wooden/steel door version

| Article / Description | Door thickness in mm | Screw length | Order No. |
|--|----------------------|--------------|-------------------------|
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 35 - 40 | 45 | 809-ZS-045----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 40 - 45 | 50 | 809-ZS-050----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 45 - 50 | 55 | 809-ZS-055----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 50 - 55 | 60 | 809-ZS-060----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 55 - 60 | 65 | 809-ZS-065----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 60 - 65 | 70 | 809-ZS-070----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 65 - 70 | 75 | 809-ZS-075----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 70 - 75 | 80 | 809-ZS-080----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 75 - 80 | 85 | 809-ZS-085----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 80 - 85 | 90 | 809-ZS-090----00 |
| Fixing screw set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 85 - 90 | 95 | 809-ZS-095----00 |

Please order a fixing screw set for each escutcheon.

TYPES OF DOOR FURNITURE

PANIC BAR II

FOR INSIDE OF DOOR

Panic bar II (DIN EN 1125)

**Model 8300 in combination
with lock 309X, 409X,
509X, 709X**

| | |
|---------|-------------------------|
| Bar | Brushed stainless steel |
| Housing | Steel, black lacquered |
| Lever | Steel, black lacquered |
| DO No. | 30.06 |

Order No.

Panic bar without profile cylinder perforation

8300-00-2100---



48

Panic bar II (DIN EN 1125)

**Model 8300 in combination
with lock 309X, 409X,
509X, 709X**

| | |
|---------|------------------------|
| Bar | Steel, green lacquered |
| Housing | Steel, black lacquered |
| Lever | Steel, black lacquered |
| DO No. | 30.06 |

Order No.

Panic bar without profile cylinder perforation

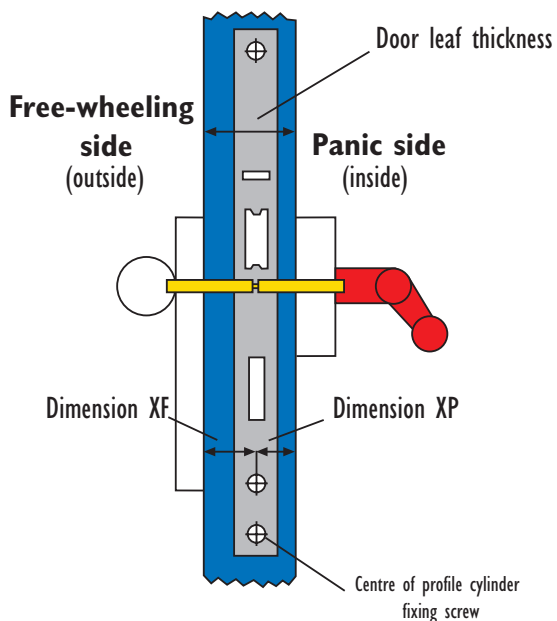
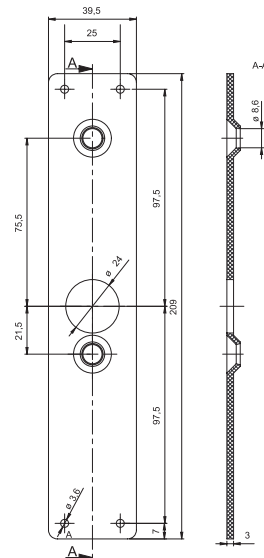
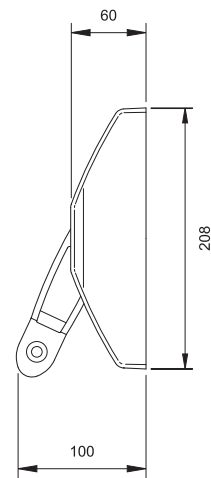
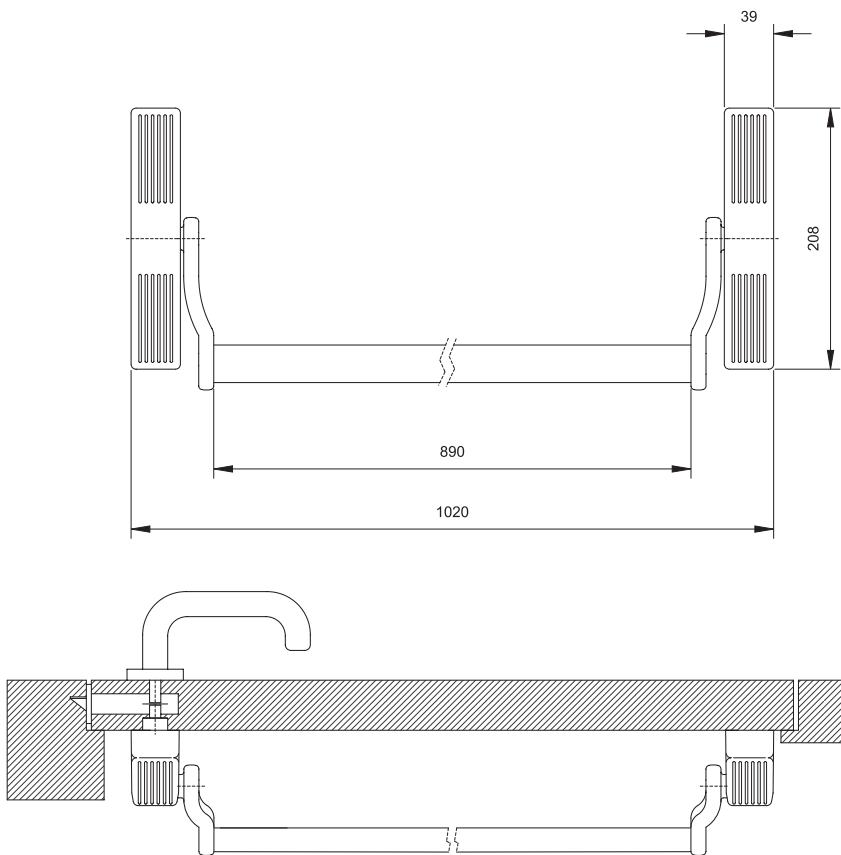
8300-00-1100---



FOR DIN EN 1125

FOR INSIDE OF DOOR

PANIC BAR II



Note:

See following pages for door furniture and special pins for above mentioned panic bars.

Dimensions XP and XF are required for the different types of door furniture of the handle-controlled locks (Page 46 and 47). (See graphics on the left).

To ensure through fixation, you require the mounting plates illustrated above. They are included in the scope of delivery. For construction reasons only two-point fixation is required.

The external handle is never part of the certification according to DIN EN 1125. We recommend the use of external door furniture from the effeff delivery program.

TYPES OF DOOR FURNITURE

FOR MODELS 309X/409X/509X

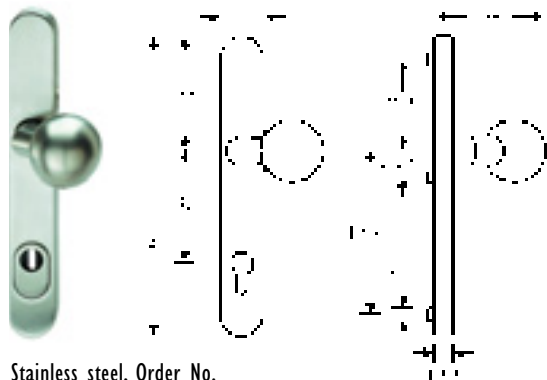
TUBULAR FRAME

FOR OUTSIDE OF DOOR

External door furniture for panic bar II Model 8300

Long escutcheon with knob, cranked

92 mm CTC, perforated profile cylinder with integrated cylinder protection



Stainless steel, Order No.

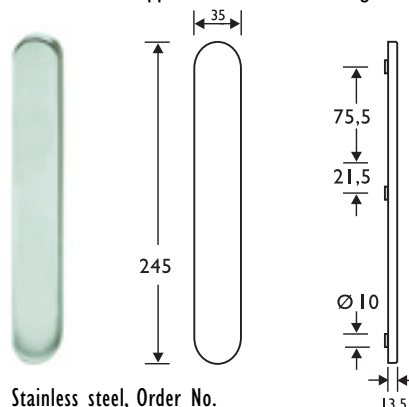
509ZB04-----35

Aluminium FI, Order No.

509ZB04-----44

Blind escutcheon for panic bar II

Outer side as support for counter screwing



Stainless steel, Order No.

8100-BL02----35

Aluminium FI, Order No.

8100-BL02----44

Half spindles for long escutcheon with knob, external door furniture for combination with panic bar II

| Article / Description | Door thickness in mm | Spindle/pin length in mm | Order No. |
|---|----------------------|--------------------------|-----------------|
| Half spindles with roller for tubular frame, single side handle fitting for panic | 40 - 45 | 70 | 509-ZWS-070--00 |
| Half spindles with roller for tubular frame, single side handle fitting for panic | 45 - 50 | 75 | 509-ZWS-075--00 |
| Half spindles with roller for tubular frame, single side handle fitting for panic | 50 - 55 | 80 | 509-ZWS-080--00 |
| Half spindles with roller for tubular frame, single side handle fitting for panic | 55 - 60 | 85 | 509-ZWS-085--00 |
| Half spindles with roller for tubular frame, single side handle fitting for panic | 60 - 65 | 90 | 509-ZWS-090--00 |
| Half spindles with roller for tubular frame, single side handle fitting for panic | 65 - 70 | 95 | 509-ZWS-095--00 |
| Half spindles with roller for tubular frame, single side handle fitting for panic | 70 - 75 | 100 | 509-ZWS-100--00 |
| Half spindles with roller for tubular frame, single side handle fitting for panic | 75 - 80 | 105 | 509-ZWS-105--00 |
| Half spindles with roller for tubular frame, single side handle fitting for panic | 85 - 90 | 110 | 509-ZWS-110--00 |

Screwing set for long escutcheon with knob and blind escutcheon

| Article / Description | Door thickness in mm | Screw length | Order No. |
|--|----------------------|--------------|------------------|
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 35 - 40 | 45 | 809-ZS-045----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 40 - 45 | 50 | 809-ZS-050----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 45 - 50 | 55 | 809-ZS-055----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 50 - 55 | 60 | 809-ZS-060----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 55 - 60 | 65 | 809-ZS-065----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 60 - 65 | 70 | 809-ZS-070----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 65 - 70 | 75 | 809-ZS-075----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 70 - 75 | 80 | 809-ZS-080----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 75 - 80 | 85 | 809-ZS-085----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 80 - 85 | 90 | 809-ZS-090----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 85 - 90 | 95 | 809-ZS-095----00 |

Please order a fixing screw set for each escutcheon.

FOR DIN EN 1125

OUTSIDE OF DOOR

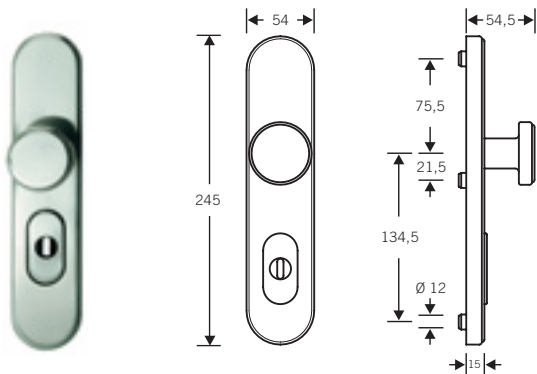
WOODEN/STEEL DOORS

FOR MODELS 309X/409X/509X

External door furniture for panic bar II Model 8300

Long escutcheon with knob, cranked

72 mm CTC, perforated European profile cylinder with integrated cylinder protection

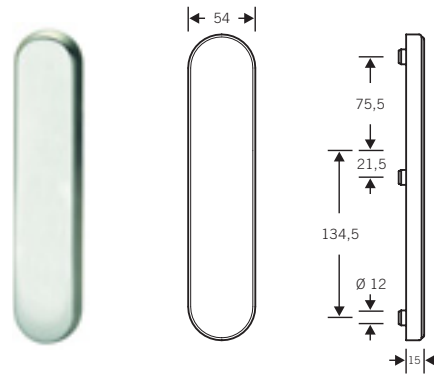


Stainless steel, Order No.

509ZB03-----35

Blind escutcheon for panic bar II

Outer side as support for counter screwing



Stainless steel, Order No.

8100-BL01----35

Aluminium version not available

Half spindles for long escutcheon with knob, external door furniture for combinations with panic bar II

| Article / Description | Door thickness in mm | Spindle/pin length in mm | Order No. |
|--|----------------------|--------------------------|-----------------|
| Half spindles with roller for wooden/steel door single side handle fitting for panic bar | 38 - 43 | 75 | 509-ZWS-075--00 |
| Half spindles with roller for wooden/steel door single side handle fitting for panic bar | 43 - 48 | 80 | 509-ZWS-080--00 |
| Half spindles with roller for wooden/steel door single side handle fitting for panic bar | 48 - 53 | 85 | 509-ZWS-085--00 |
| Half spindles with roller for wooden/steel door single side handle fitting for panic bar | 53 - 58 | 90 | 509-ZWS-090--00 |
| Half spindles with roller for wooden/steel door single side handle fitting for panic bar | 58 - 63 | 95 | 509-ZWS-095--00 |
| Half spindles with roller for wooden/steel door single side handle fitting for panic bar | 63 - 68 | 100 | 509-ZWS-100--00 |
| Half spindles with roller for wooden/steel door single side handle fitting for panic bar | 68 - 73 | 105 | 509-ZWS-105--00 |
| Half spindles with roller for wooden/steel door single side handle fitting for panic bar | 73 - 78 | 110 | 509-ZWS-110--00 |
| Half spindles with roller for wooden/steel door single side handle fitting for panic bar | 78 - 83 | 115 | 509-ZWS-115--00 |
| Half spindles with roller for wooden/steel door single side handle fitting for panic bar | 83 - 88 | 120 | 509-ZWS-120--00 |

Screwing set for long escutcheon with knob and blind escutcheon

| Article / Description | Door thickness in mm | Screw length | Order No. |
|--|----------------------|--------------|------------------|
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 35 - 40 | 45 | 809-ZS-045----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 40 - 45 | 50 | 809-ZS-050----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 45 - 50 | 55 | 809-ZS-055----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 50 - 55 | 60 | 809-ZS-060----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 55 - 60 | 65 | 809-ZS-065----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 60 - 65 | 70 | 809-ZS-070----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 65 - 70 | 75 | 809-ZS-075----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 70 - 75 | 80 | 809-ZS-080----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 75 - 80 | 85 | 809-ZS-085----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 80 - 85 | 90 | 809-ZS-090----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 85 - 90 | 95 | 809-ZS-095----00 |

Please order a fixing screw set for each escutcheon.

TYPES OF DOOR FURNITURE

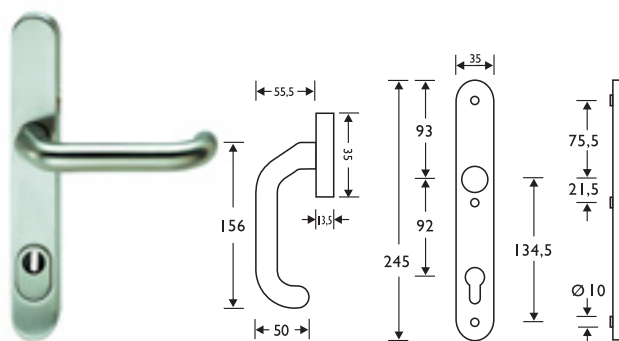
FOR MODELS 709X/809E/819E

TUBULAR FRAME

FOR OUTSIDE OF DOOR

External door furniture for panic bar II Model 8300

Single side handle fitting with integrated cylinder protection
External door furniture 92 mm CTC



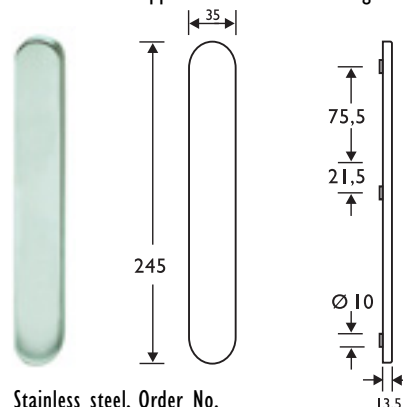
Stainless steel, Order No.

809ZB04-----35

Aluminium FI, Order No.

809ZB04-----44

Blind escutcheon for panic bar II
Outer side as support for counter screwing



Stainless steel, Order No.

8100-BL02----35

Aluminium FI, Order No.

8100-BL02----44

Square pin free-wheeling side for door furniture — tubular frame

| Article / Description | Dimension XF mm | Spindle/pin length mm | Order No. |
|-----------------------------------|-----------------|-----------------------|------------------------|
| Special square pin for outer side | 14 - 17.5 | 43 | 809-ZXF-430--00 |
| Special square pin for outer side | 17.5 - 21 | 46.5 | 809-ZXF-465--00 |
| Special square pin for outer side | 21 - 24.5 | 50 | 809-ZXF-500--00 |
| Special square pin for outer side | 24.5 - 28 | 53.5 | 809-ZXF-535--00 |
| Special square pin for outer side | 28 - 31.5 | 57 | 809-ZXF-570--00 |
| Special square pin for outer side | 31.5 - 35 | 60.5 | 809-ZXF-605--00 |
| Special square pin for outer side | 35 - 38.5 | 64 | 809-ZXF-640--00 |
| Special square pin for outer side | 38.5 - 42 | 67.5 | 809-ZXF-675--00 |
| Special square pin for outer side | 42 - 45.5 | 71 | 809-ZXF-710--00 |

Definition of dimensions XF and SP, see Page 45.

Square pin, panic side for panic bar

| Article / Description | Dimension XF mm | Spindle/pin length mm | Order No. |
|-----------------------------------|-----------------|-----------------------|------------------------|
| Special square pin for inner side | 19.5 - 26.5 | 27.5 | 809-ZXP-275--00 |
| Special square pin for inner side | 26.5 - 33.5 | 34.5 | 809-ZXP-345--00 |
| Special square pin for inner side | 33.5 - 40.5 | 41.5 | 809-ZXP-415--00 |
| Special square pin for inner side | 40.5 - 47.5 | 48.5 | 809-ZXP-480--00 |

Definition of dimensions XF and SP, see Page 45.

Screwing set for a.m. single side handle fitting and blind plate

| Article / Description | Door thickness in mm | Screw length | Order No. |
|--|----------------------|--------------|-------------------------|
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 35 - 40 | 45 | 809-ZS-045----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 40 - 45 | 50 | 809-ZS-050----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 45 - 50 | 55 | 809-ZS-055----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 50 - 55 | 60 | 809-ZS-060----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 55 - 60 | 65 | 809-ZS-065----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 60 - 65 | 70 | 809-ZS-070----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 65 - 70 | 75 | 809-ZS-075----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 70 - 75 | 80 | 809-ZS-080----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 75 - 80 | 85 | 809-ZS-085----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 80 - 85 | 90 | 809-ZS-090----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 85 - 90 | 95 | 809-ZS-095----00 |

Please order a fixing screw set for each escutcheon.

FOR DIN EN 1125

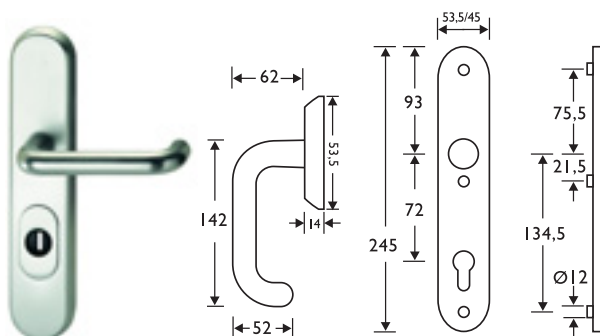
OUTSIDE OF DOOR

WOODEN/STEEL DOORS

FOR MODELS 709X/809E/819E

External door furniture for panic bar II Model 8300

Single side handle fitting with integrated cylinder protection
External door furniture, 72 mm CTC



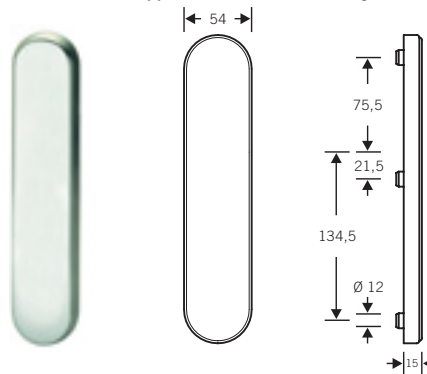
Stainless steel, Order No.

809ZB03-----35

Aluminium FI, Order No.

809ZB03-----44

Blind escutcheon for panic bar II
Outer side as support for counter screwing



Stainless steel, Order No.

8100-BL01----35

Aluminium FI, Order No.

8100-BL01----44

Square pin - free-wheeling side for single side handle fitting for wooden/steel doors

| Article / Description | Dimension XF mm | Spindle/pin length mm | Order No. |
|-----------------------------------|--------------------|--------------------------|------------------------|
| Special square pin for outer side | 14.5 - 45.5 | 71 | 809-ZXF-710--00 |
| Special square pin for outer side | 46 - 75 | 100 | 809-ZXF-1000-00 |

Definition of dimensions XF and SP, see Page 45.

Square pin, panic side for panic bar II

| Article / Description | Dimension XF mm | Spindle/pin length mm | Order No. |
|-----------------------------------|--------------------|--------------------------|------------------------|
| Special square pin for inner side | 19.5 - 26.5 | 27.5 | 809-ZXP-275--00 |
| Special square pin for inner side | 26.5 - 33.5 | 34.5 | 809-ZXP-345--00 |
| Special square pin for inner side | 33.5 - 40.5 | 41.5 | 809-ZXP-415--00 |
| Special square pin for inner side | 40.5 - 47.5 | 48.5 | 809-ZXP-485--00 |

Definition of dimensions XF and SP, see Page 45.

Screwing set set for front door furniture and door handle fitting for wooden/steel doors

| Article / Description | Door thickness in mm | Screw length | Order No. |
|--|----------------------|--------------|-------------------------|
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 35 - 40 | 45 | 809-ZS-045----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 40 - 45 | 50 | 809-ZS-050----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 45 - 50 | 55 | 809-ZS-055----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 50 - 55 | 60 | 809-ZS-060----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 55 - 60 | 65 | 809-ZS-065----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 60 - 65 | 70 | 809-ZS-070----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 65 - 70 | 75 | 809-ZS-075----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 70 - 75 | 80 | 809-ZS-080----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 75 - 80 | 85 | 809-ZS-085----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 80 - 85 | 90 | 809-ZS-090----00 |
| Screwing set for front door furniture and door handle fitting (3x M6 / 2x M8 screws) | 85 - 90 | 95 | 809-ZS-095----00 |

Please order a fixing screw set for each escutcheon.

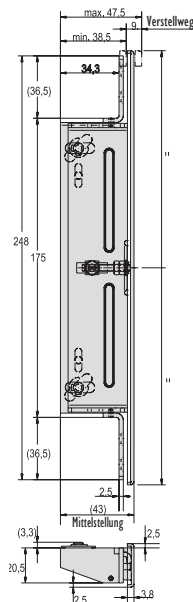
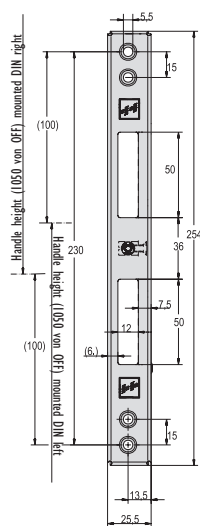
STRIKING PLATES

STRIKING PLATES

For lock Models 809 and 809E
Adjustable striking plate
Model 809 HZV

Order No.

809HZV----35-01



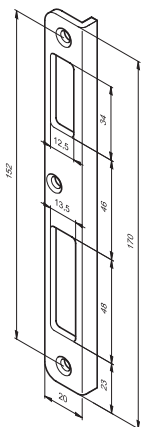
Note:

Striking plates are included in the
DIN EN certification.

We recommend using the striking
plates illustrated on this page.

54

For lock models 309X – 709 X
Short angle



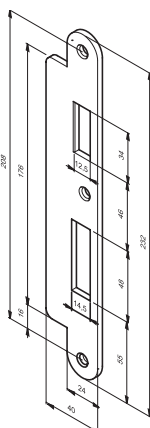
Striking plate - short angle DIN left
Order No.

Z09XSBL-01----4

Striking plate - short angle DIN right
Order No.

Z09XSBL-01----5

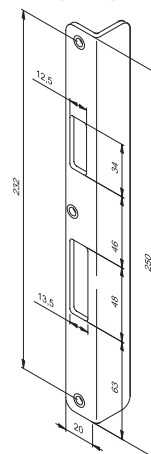
LAP univ-LAP 16



Striking plate Lap universal
with 16 mm flange
Order No.

Z09XSBL-02----1

Long angle



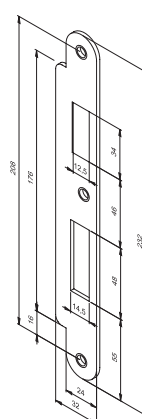
Striking plate - long angle DIN left
Order No.

Z09XSBL-03----4

Striking plate - long angle DIN right
Order No.

Z09XSBL-03----5

LAP univ-LAP 12



Striking plate Lap universal
with 12 mm flange
Order No.

Z09XSBL-04----1

STRIKING PLATES

STRIKING PLATES

For lock Models 809 and 809E
Model 809HZ20



Striking plate - long angle, universal
Order No.

809.000050---35

For lock Models 809 and 809E
Model 809HZ24



Striking plate - long angle, universal
Order No.

809.000098---35

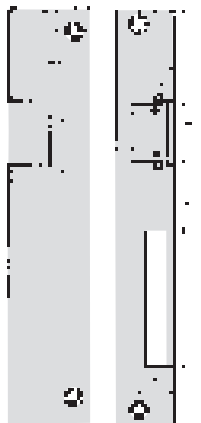
For lock Models 809 and 809E
Model 809LAP



Striking plate Lap long, universal
Order No.

809.00005001-35

For lock Models 809 and 809E
Model 809iW066



Striking plate - long angle, DIN left
Order No.

1410-6006635-04

Striking plate - long angle, DIN right
Order No.

1410-6006635-05

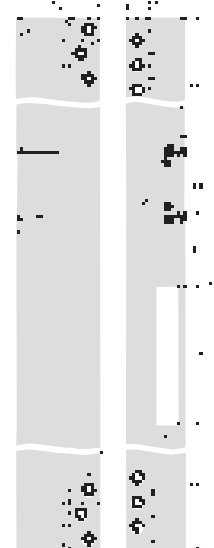
For lock Models 809 and 809E
Model 809SiW312

Striking plate - long angle, DIN left
Order No.

1410-6031235-04

Striking plate - long angle, DIN right
Order No.

1410-6031235-05



ACCESSORIES

ACCESSORIES

Cable connection for surface mounting

Model 10318

For direct transmission of current from the door frame to the door leaf. Rustproof, flexible metal hose. Fixing caps for mounting on door frame and door leaf.

| Cable connections | | | |
|-----------------------|-----------|----------------|-----------------|
| Article / Description | Length cm | For cable Ø mm | Order No. |
| Nickel-plated brass | 18 | 7 | 10318-----00 |
| Nickel-plated brass | 30 | 7 | 10318-30-----00 |
| Nickel-plated brass | 40 | 7 | 10318-40-----00 |
| Nickel-plated brass | 60 | 7 | 10318-60-----00 |
| Nickel-plated brass | 80 | 7 | 10318-80-----00 |



Cable connection for flush mounting

Model 10312-10

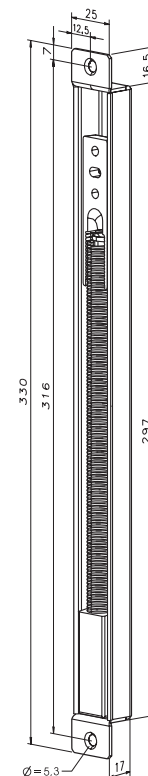
With the flush mounted cable connection, feed lines can be routed safely and securely from the door frame to the door leaf. The concealed mounting in the door fold means that there is no access to the feed line when the door is closed and it is thus tamper-proof. As the feed line is routed through a spiral metal hose, it is protected against bending or becoming trapped.

Features:

- Housing and spiral hose of stainless steel
- Suitable for lines of up to 7 mm diameter
- Suitable for mounting in wooden, plastic or metal doors
- Stretchable spiral hose for bridging max. 110 mm
- Secure routing of wiring
- Tamper-proof when door is closed

Order No.

10312-10-----00



Mounting set for wooden doors

For cable connection 10312-10

Order No.

10313-----00



Current consumption for lock models 509X, 709X, 809, 819

Surface-mounting with wall holder

| Technical data | |
|-----------------------------|---|
| Secondary rated voltage | 12 V DC, stabilized |
| Rated current | 4.5 A |
| Dimensions: | L 108, W 58, H 31 (mm) |
| Primary connecting cable: | Mains feed line 1.8 m Plug/socket |
| Secondary connecting cable: | 2 x 0.75 mm 2 1.8 m fixed to device with connector sleeves |

Order No.

1002-12-4,5--00

| Technical data | |
|-----------------------------|---|
| Secondary rated voltage | 24 V DC, stabilized |
| Rated current | 2.5 A |
| Dimensions: | L 108, W 58, H 31 (mm) |
| Primary connecting cable: | Mains feed line 1.8 m Plug/socket |
| Secondary connecting cable: | 2 x 0.75 mm 2 1.8 m fixed to device with connector sleeves |

Order No.

1002-24-2,5--00

Cone-type contact

Model 10405.II

Adjustable mechanical door contact with radiused face plate

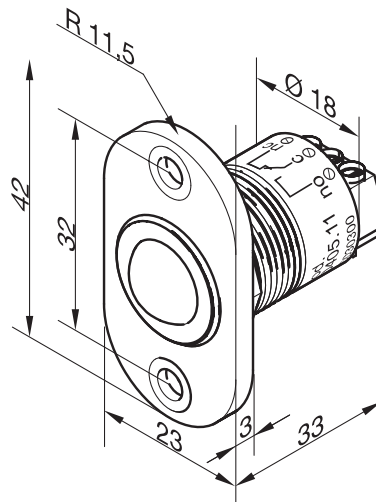
Order No.

10405.IIR----00

Model 10405.II with square face plate

Order No. (no illustration)

10405.II-----00



Connection leads for 409X, 509X, 709X

with plug attached to one end, length approx. 10 m

Order No.

Z09XKAB-----

Connection leads for 809, 819, 809E, 819E

Backset 35, 40, 45 mm (tubular frame)

with circular connector, length approx. 9.5 m

Order No.

809ZBKAB04---00

Connection leads for 809

Backset 60, 65 mm (for wooden/steel doors)

without connector, length approx. 10 m

Order No.

809ZBKAB06---00

ELECTRIC DOOR STRIKE

effeff door strikes offer a high degree of security and are easy to use. Our wide range fulfils all requirements and includes models for all types of installation.

This applies worldwide as effeff products comply with both national and international regulations. effeff's convincing solutions for smoke protection doors, fire rated doors and doors in escape routes.



ELECTRIC BOLTS

effeff electric bolts reliably complement locks and door strikes and are used for special applications e.g. swing doors or sliding doors where they act as an additional locking mechanism. For door bolts with integrated monitoring contact, the locking state can be monitored so that e.g. a system can only start when the corresponding door is also securely locked.

Application possibilities range from the simple drawer to elevator doors and high security zones.



ESCAPE DOOR SYSTEMS

When danger is imminent have confidence in effeff's know-how and reliability. Our rescue path systems ensure secure operation of the escape route door irrespective of whether the door requires locking or may only be used by authorized persons. Absolute secure use of escape routes in case of danger is ensured at all times.

effeff escape door control systems ensure protection and security e.g. in hospitals, schools, kindergarten, office buildings, airports and exhibition halls. For your special applications too, we have the fitting solutions e.g. closed departments in clinics.



SECURITY LOCKS

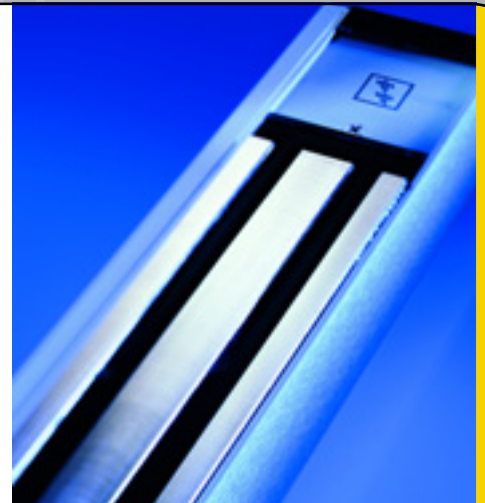
First and foremost security: The effeff electric security locks with anti-panic function and self-locking mechanism ensure maximum mechanical security in conjunction with high operating comfort for the user. The effeff range of locks is suitable for use both in fire doors and escape and rescue routes.



ELECTRO HOLDING MAGNETS

A wide variety of magnets is an integral part of the effeff range of locking mechanisms.

Thanks to the virtually silent function and special advantages of subsequent mounting, magnets present an excellent additional locking mechanism. The outstanding feature of the effeff magnets is the high-quality surface and attractive design.



SWING DOOR OPERATOR

It is hard to imagine many buildings today without automatic power-operated doors. They facilitate free entry without barriers and thus simultaneously save energy. The effeff electromechanical and electrohydraulic swing door operators for one and two leaf swing doors are suitable for both private and commercial areas of application.



ACCESS CONTROL SYSTEMS

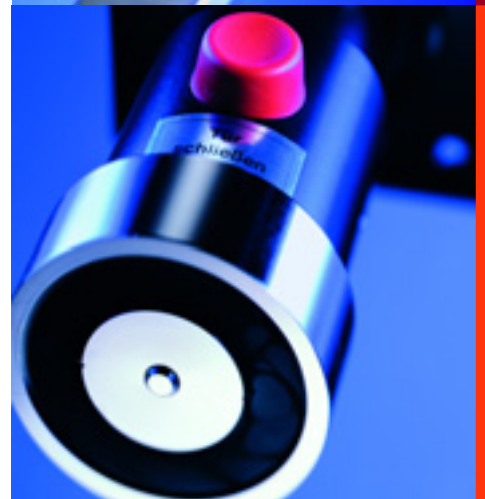
The simple solution for maximum security! effeff access control systems protect and monitor buildings, individual rooms or other security-relevant zones.

effeff offers a wide range of varying technologies, devices and systems that are aligned to the special security requirements. effeff access control systems meet the special requirements of our customers and are used in private, official and industrial zones.



AUTOMATIC DOOR ARRESTER SYSTEMS

effeff automatic door arrester systems secure fire-retardant doors that must remain open for daily use. As soon as smoke is signalled, the arrester mechanism releases the door. The fire doors close and prevent fire and smoke gases from reaching adjoining rooms and buildings and fire from spreading.



NOTES

60

A

Alternative function 14, 16, 18, 20, 22

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Borehole for rosette. 9

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Serrature di sicurezza

Sicherheitsschlösser

Security locks

Cerraduras de seguridad

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effeff, established in 1936 as a precision engineering and electrical engineering workshop, has developed through the implementation of a consistent product policy to become the global market leader in the field of electromechanical locking device technology. Electric strikes, electric bolts, security locks, access control systems, electrical magnets, escape route technology, swing door operators, arrester systems for fire barriers and control elements are among the products that effeff exports today from Albstadt in the Swabian Alb to over 75 countries around the globe.

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