Assembly and operating instructions

for the “GUARD S” digital handles of the system families

ENiQ

ELS

DOM Tapkey

English translation of the original German instructions

07/2021

Contents

About this manual and manufacturer information

These assembly instructions will help you to securely assemble the door handles of the GUARD S family. The door handles are subsequently referred to as “handle” for short.

Keep the manual available

These instructions form part of the handle.

▶ Keep these instructions with the handle.

▶ Ensure that the instructions are available to the installer/operator.

▶ You must pass on these instructions if you sell the handle or pass it on in any other way.

Text layout features

Various elements in this manual have specific design features. This enables you to distinguish easily between the following elements:

Normal text

- Listing - first level
  – Listing - second level

▶ Working steps

ⓘ Tips contain additional information for installation and operation.

Directions

The directions provided in these instructions are looking towards the reading field of the electronic handle:

- The battery compartment is “at the top”
- The side that the handle is fitted to the door on is the “rear”; the side with the cover is the “front”.
- “Outside” is the outside of the door that the electronic handle is assembled to.
- “Inside” is the inside of the door.

All the other directions can be derived from these ones.

Mutually applicable documents

The following types of documents in particular are applicable:

- Assembly and operating instructions from third-party suppliers such as the manufacturer of the lock or the door
- Declarations of conformity or incorporation
- Instructions about device functions, conditions and signalling
- Programming instructions for the programming medium used

▶ Observe and follow the information from the applicable documents.

Warranty and liability

Our general terms and conditions do in principle apply. Warranty claims and liability claims in the event of personal injury or material damage are always ruled out if they can be traced back to one or more of the following causes:

- Inappropriate use of the handle
- Failure to heed the information in these instructions
- Incorrect assembly
- Repairs which are carried out incorrectly
- Disaster situations due to outside influences and force majeure

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Information available online

You can download these instructions and other information about the GUARD S family on the product details page at the following web address:

www.dom-security.com

Safety

Intended use

The door handles of the GUARD S family are used as security handles for access control in buildings. The system is based on RFID (radio frequency identification) technology.

The door handles can also be used on escape and rescue doors in accordance with DIN EN 179 and DIN EN 1125.

Proper use includes reading and understanding these instructions, as well as observing and following all the information provided in these instructions, particularly the safety instructions. Any other use is expressly deemed improper and will render warranty and liability claims null and void.

Use in areas where there is a risk of explosion in particular is considered to be improper.

Using the GUARD S outer handle with third-party handles will invalidate the security function.

Ambient conditions

Ensure that the handles are only used under the following ambient conditions:

- Temperature range: –25 °C to +60 °C
- Air humidity: 20% to 99% (non-condensing)

Fundamental safety information

The handles are built in line with the current state of technology and the recognised safety rules. Working with and on the handles does nevertheless involve residual risks which could cause a danger to life and limb. It is therefore essential that the safety instructions below are observed and followed.

Avoid risks of explosion

The handles are not suitable for areas where there is a risk of explosion. Installing and operating the handles in an area where there is a risk of explosion can lead to serious injuries or death.

- ▶ Only install and operate the handles in areas where there is no explosive atmosphere.

Risk of injury by swallowing small parts

Children can become injured after swallowing small parts.

- ▶ Make sure that small parts e.g. locking media or screws are kept out of the reach of children.

Risk of injury when drilling holes or screwing

Risk of damage to eyes as a result of drilling dust or chips flying around.

- ▶ Wear safety glasses.
- ▶ Use a device to extract the drilling dust or chips.

Danger of injury to fingers or hands due to slipping during drilling.

- ▶ Wear suitable safety gloves.
- ▶ Observe and follow the instructions in the documents for the drill.

Danger of injury to fingers or hands due to slipping during screwing.

- ▶ Wear suitable safety gloves.

Danger of injury when shortening the spindle

Danger of injury to eyes and hands when shortening the spindle.

An incorrectly clamped spindle which slips can result in injury. Metal splinters due to incorrect shortening of the spindle can result in eye injuries.

- ▶ Wear safety glasses and safety gloves.
- ▶ Ensure that the spindle to be shortened is correctly attached in the clamping device.
- ▶ Shorten the spindle in the proper way.

Danger of injury while attaching

Danger of injury to the hands on edges of the assembly profile or the lock.

The hands can be injured due to slipping when screwing the components or touching sharp edges.

- ▶ Wear suitable safety gloves.

Risk of injury due to the outer handle falling down.

The outer handle of GUARD S handles is heavier than usual handles due to the security function. The feet can be injured due to the outer handle falling down during assembly.

- ▶ Wear suitable protective clothing.
- ▶ Make sure that the handle does not fall down.

Avoid property damage and functional problems

Material damage due to incorrect storage over a long period possible.

- ▶ Store the handle and its components in the original packaging in a dry, dust-free location.

Material damage due to inappropriate assembly and operation of the handle.

- ▶ Read these instructions through carefully prior to assembly and commissioning of the handle.
- ▶ Follow the instructions step by step.
- ▶ Never touch the electronic components of the handle.
- ▶ Protect the parts of the handle against damp.
- ▶ Prevent the formation of scratches on the handle through careful handling.
- ▶ Attach the screws with the torque indicated.

Material damage due to inappropriate removal of the handle.

- ▶ Read these instructions through carefully prior to removal of the handle.
- ▶ Follow the instructions step by step.
- ▶ Protect the door leaf with a cover before releasing the cover of the handle with a rosette lifter.
- ▶ Never touch the electronic components of the handle.
- ▶ Prevent the formation of scratches on the handle through careful handling.
- ▶ Protect the parts of the handle against damp.

Loss of date and time possible following a battery change.

The loss of date and time can hamper/block the correct application of authorisations with schedules.

- ▶ Check whether the date and time are still correct with the corresponding programming medium following a battery change.
- ▶ Correct the date and time if necessary.

Damage to the electronic components of the handle due to contact possible.

- ▶ Never touch the electronic components of the handle.
- ▶ Touch an earthed metal object such as a radiator or a tap for discharging an electrostatic charge.

Reduced range or malfunction of the reading field possible due to metal objects in the vicinity of the reading field.

- ▶ Ensure that no metal objects are located in the immediate vicinity of the reading field.

Malfunction due to the interaction of two reading fields.

If the distance is too short, an authorised closing device may be delayed or remain undetected.

- ▶ Fit the handles next to one another with at least 50 cm lateral distance from one to the next.

Malfunction due to the presence of external systems.

External systems can emit interfering fields or interfering signals. This can result in an authorised closing device being delayed or not detected at all and programmes for the device can be disturbed.

- ▶ Ensure that external systems do not affect the function of the handle.

Material damage possible due to incorrect maintenance or cleaning.

- ▶ Do not lubricate any parts of the handle.
- ▶ Clean the housings and closing devices with a lightly wetted soft cloth without using any cleaning agent.

Qualification of the staff

People who undertake work with and on the handles must have basic technical abilities so that they can effect screw connections and drill holes if necessary.

People who put the handles into operation must understand their way of working and the interaction of the individual components.

Layout features of warning notes

⚠ WARNING	
	Notices with the word WARNING warn of a hazardous situation which can possibly lead to death or serious injuries.

⚠ CAUTION	
	Notices with the word CAUTION warn of a situation which can lead to light or moderate injuries.

Layout features of notes indicating property damage

ATTENTION!	
	These instructions warn about a situation which could lead to material damage or malfunctions.

Description

Characteristics and function of the handles

The GUARD S family is made up of handles with wide plates (Wideline) or narrow plates (Slimline). The handles consist of long plates on both sides or long plates with lever handle rosette and cylinder rosette on the inside.

The handles are available as dummy handles without a cylinder hole as an option.

The handles of the GUARD S family are available in the following variants:

		Slimline	Wideline
Digital handles	reading on one side	X	X
Rosettes inside		–	X

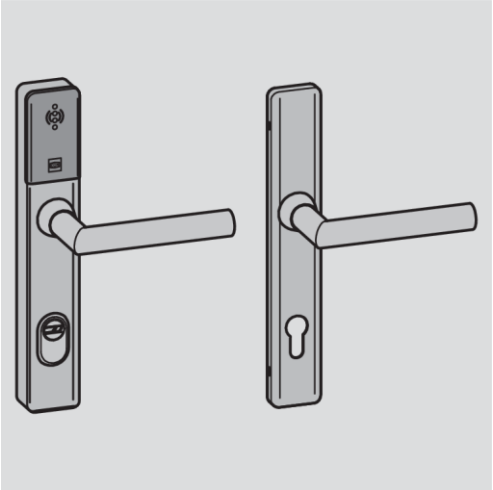
You can combine the handles of the GUARD S family with third-party products. Individual handles can also be supplied for this purpose in addition to the handle sets.

Using the GUARD S outer handle with third-party handles will invalidate the security function.

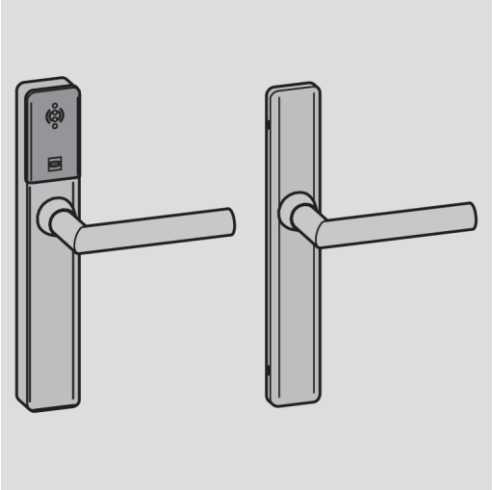
GUARD S Slimline set

Handles with reading field control access from the outside. Only people with an appropriately authorised transponder can activate the outer lever handle and open the door from the outside.

The door can be opened from the inside (mechanical side) with the lever handle without special authorisation.



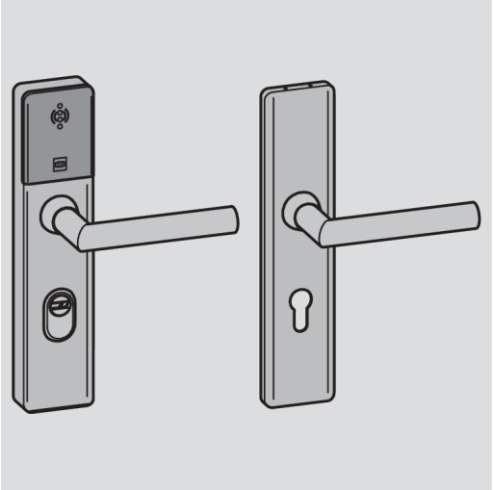
The handles are also available as dummy handles with a cylinder hole cover.



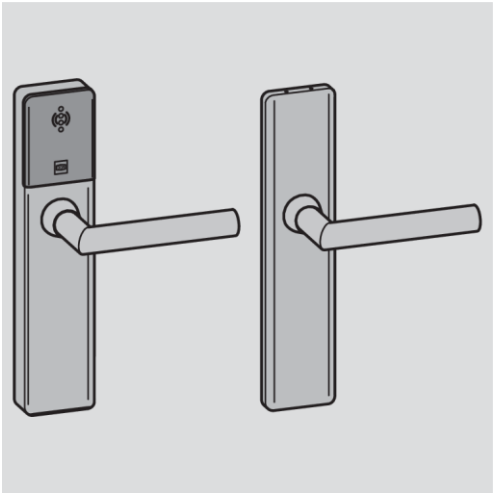
GUARD S Wideline set

Handles with reading field control access from the outside. Only people with an appropriately authorised transponder can activate the outer lever handle and open the door from the outside.

The door can be opened from the inside (mechanical side) with the lever handle without special authorisation.



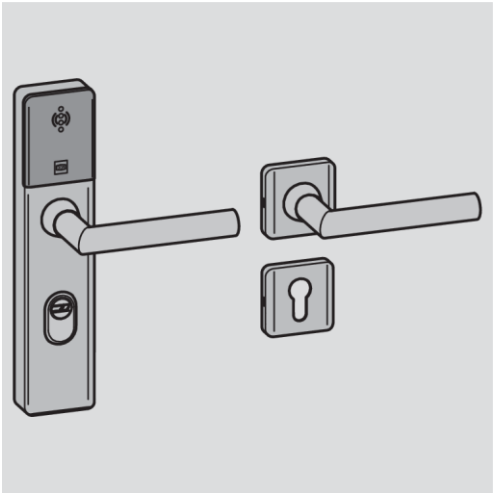
The handles are also available as dummy handles with a cylinder hole cover.



GUARD S Wideline set with rosettes

Handles with reading field control access from the outside. Only people with an appropriately authorised transponder can activate the outer lever handle and open the door from the outside.

The door can be opened from the inside (mechanical side) with the lever handle without special authorisation.



The handles are also available as dummy handles with a cylinder hole cover.

Overview of the lever handles

The lever handles are available in the following shapes

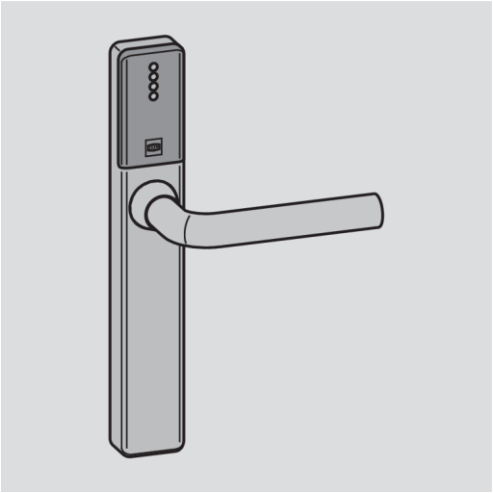
- L-shaped
- U-shaped
- offset

All lever handle shapes can be supplied either bent or with a mitre.

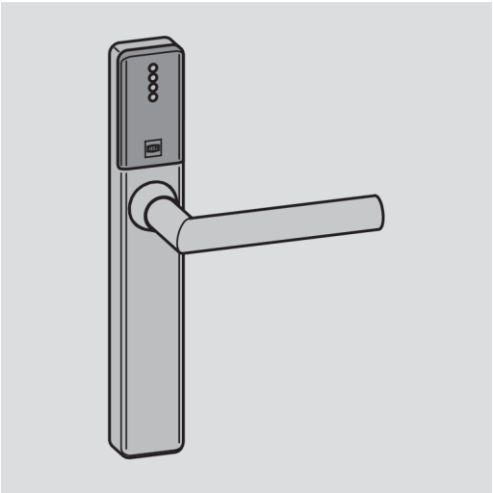
ⓘ Handles with L-shaped lever handles with mitre are presented in these instructions. If other lever handle shapes are presented, this is expressly pointed out.

Handle L-shaped, bent

L-shaped lever handles are presented in these instructions.



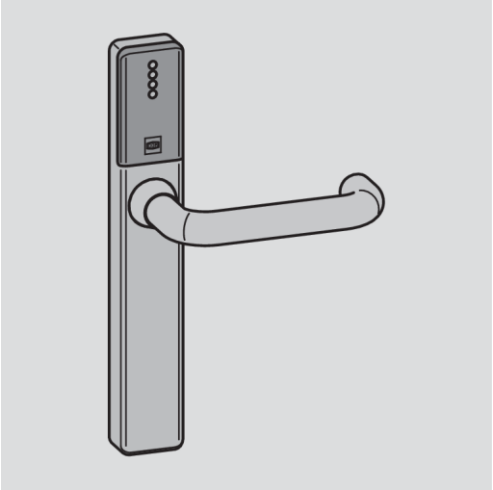
Handle L-shaped, mitre



Handle U-shaped, bent

This lever handle shape is prescribed for escape and rescue routes in accordance with DIN EN 179 and DIN EN 1125 .

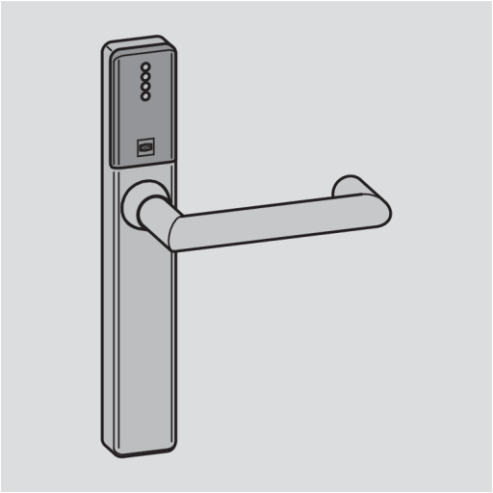
U-shaped lever handles prevent getting caught with a sleeve for example.



Lever handle U-shaped, mitre

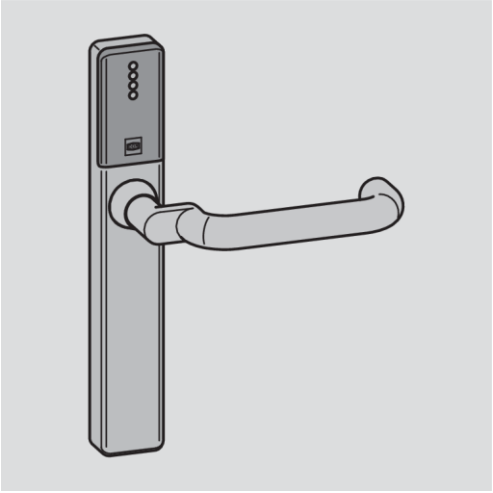
This lever handle shape is prescribed for escape and rescue routes in accordance with DIN EN 179 and DIN EN 1125 .

U-shaped lever handles prevent getting caught with a sleeve for example.



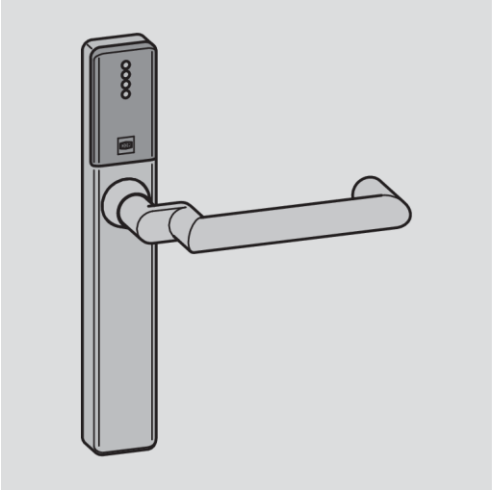
Lever handle offset, bent

Offset lever handles prevent the lever handle coming into contact with the frame and injuries due to crushing in this area on tubular frame doors with a low backset.



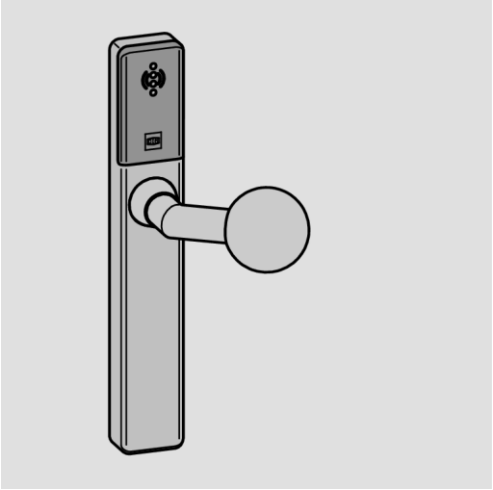
Lever handle offset, mitre

Offset lever handles prevent the lever handle coming into contact with the frame and injuries due to crushing in this area on tubular frame doors with a low backset.



Spherical lever handle, mitre

The spherical lever handle is available as an external lever handle in combination with one of the other six lever handles on the inside. The spherical lever handle is particularly suitable for locations which are affected by vandalism.



Task and function

Task

The door handles of the GUARD S family are used as security handles on the outside of access control in buildings. The system is based on RFID (radio frequency identification) technology. Only transponders with the relevant permission (authorised transponders) enable the door to be opened for an adjustable time and period.

Guard S handles are screwed down from the inside and are structurally prepared for outdoor use.

There is always a purely mechanical handle on the inside of the door. The door can always be opened from the purely mechanical side.

The handles are protected against the ingress of dust and water. Information about the IP class can be found in the technical data sheet.

In line with the declaration of conformity and certificates for the handle in combination with the door lock and the panic bar where appropriate in accordance with DIN EN 179 and DIN EN 1125 the handles are suitable as closures for emergency exits and escape and rescue routes.

The declaration of conformity of DOM Sicherheitstechnik GmbH & Co.KG or the corresponding lock/panic bar manufacturer must be checked prior to assembly of the handle of the corresponding lock or panic bar where appropriate.

Using the GUARD S outer handle with third-party handles will invalidate the security function.

The handles are suitable for sheet steel fire doors, tubular frames and wood of the fire protection classifications T39, T60 and T90 (in preparation).

The handles can be supplied for doors with the following characteristics:

- Door leaf thickness from 36 to 116 mm (in eight increments)
- Cylinder hole: clearances of 55 mm to 94 mm for different cylinder profiles
- Right-handed and left-handed doors
- Wooden, metal and plastic doors

Function

The lever handle on handles with a reading field is only released if a transponder with an appropriate authorisation (authorised transponder) is held to the reading field. Data is transmitted inductively (via RFID) between the transponder and the reading field by means of a coil that is present in the reading field and in the transponder. Only one of the devices (reading field or transponder) has to have a power supply to guarantee the function. In the GUARD S family, power is supplied by the electronic handle's battery.

The lever handle is connected to the lock via the spindle by means of a three-part coupling. The outer half of the coupling is connected to the outer lever handle. The inner half of the coupling is connected to the spindle hub and the inner lever handle via the spindle. The halves of the coupling connect if an authorised transponder is held to the reading field. This allows the door to be opened with the outer lever handle.

Once the set coupling time (opening time) has elapsed, both halves of the coupling are separated from one another again. An authorised transponder must be held to the reading field once again to open the door.

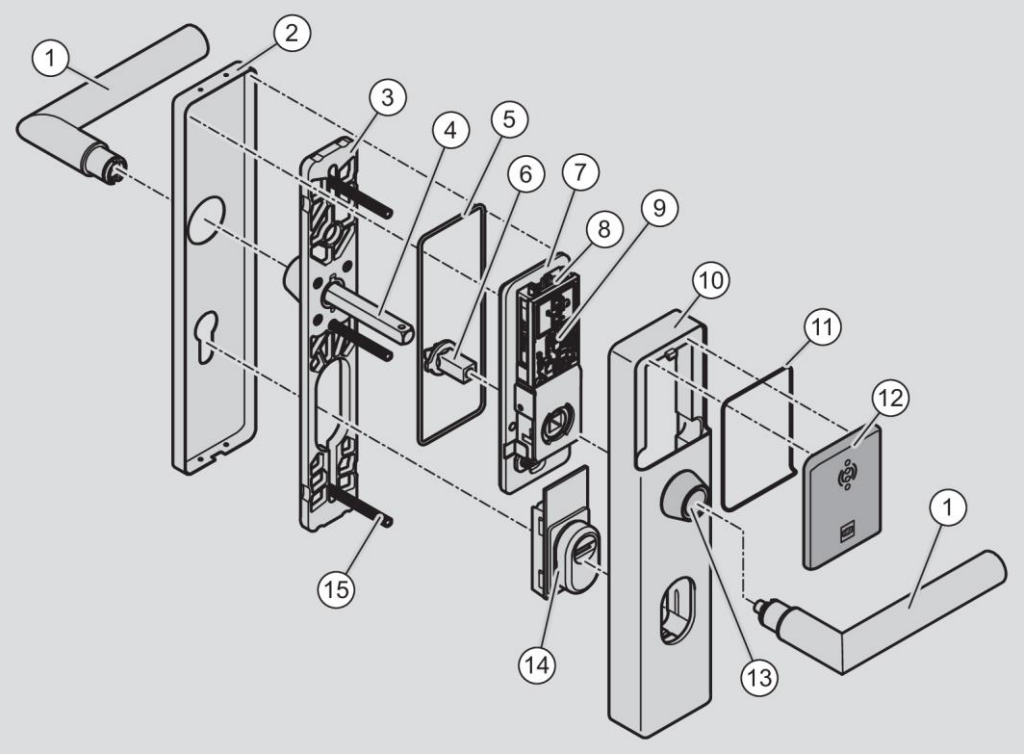
You can adapt the system to different requirements with the different variants of the GUARD S handles:

- Slimline handles replace existing narrow handles with a width of up to 40 mm and screwing points above one another.
  Slimline handles are particularly suitable for use on tubular frame doors.
- Wideline handles replace existing handles with a width of up to 56 mm and screwing points above one another.
  Wideline handles are particularly suitable for renovating doors that are damaged and show differences in colour due to old handles and round rosettes.
  Wideline rosettes are suitable for renovating round rosettes on the inside of the door with adjacent screw connection points.

Overview of the most important components of the handles

The most important components of long plate handles with reading field are presented in the diagram below.

The handles of the Slimline and Wideline variants essentially differ in the width of the covers only.

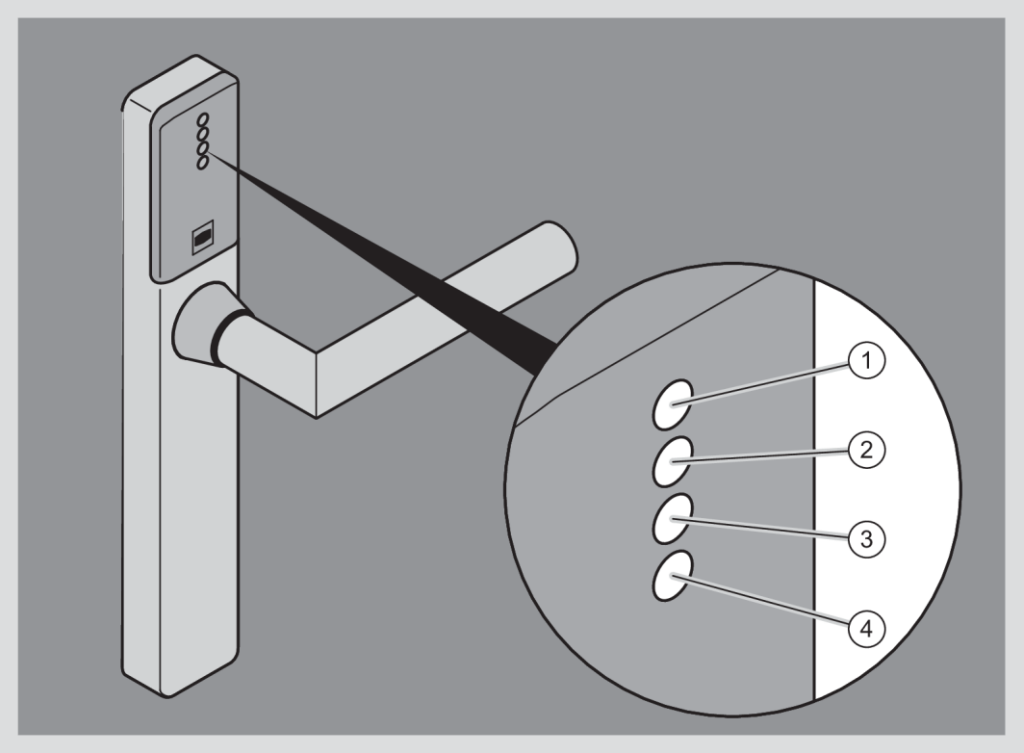


No.	Designation
1	Lever handle
2	Inner cover (long plate without reading field)
3	Assembly profile for inner long plate
4	Spindle
5	Sealing ring
6	Handel mandrel
7	Assembly profile for outer long plate with electronic circuit, reading field and LED display
8	Battery compartment
9	RFID reading field
10	Outer cover (long plate with reading field)
11	Sealing ring for plastic cover
12	Plastic cover for reading field
13	Lever handle bearing
14	Anti-drill protection and core pulling protection rosette
15	Long screw

LED displays on the reading field

Four LEDs (1, 2, 3, 4) are placed above one another on the reading field of each handle. The LEDs can light up in different colours individually, in turn or simultaneously. This is how the LEDs signal authorisations, operating states and errors. An acoustic signal can also be issued.

You can find instructions for the signals and the corresponding device states in the separate instructions “Device functions, states and signalling”.



The following colours are possible:

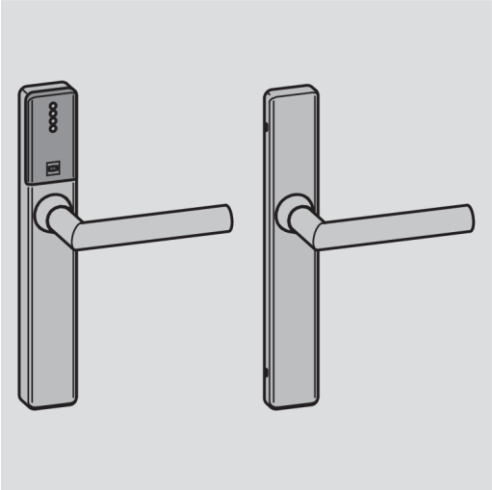
- Green
- Yellow
- Red
- Blue
- White
- Magenta
- Cyan

Scope of supply

The scope of supply depends on the device type and the properties of the door and the lock that were stated in your order.

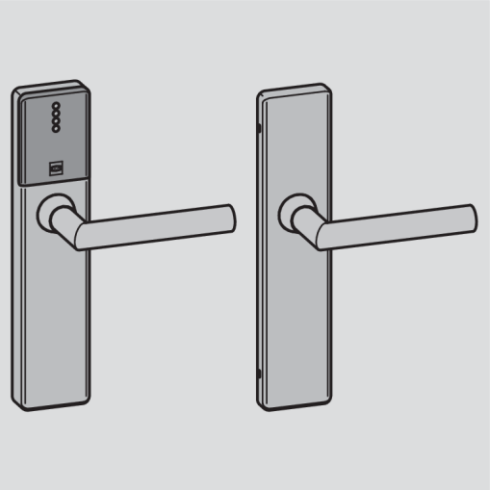
ⓘ The scope of supply of the sets for assembly on both sides is shown in the section that follows.
You can also order parts for assembly on one side. This allows you to replace the existing handle with a DOM product on just one side of the door. Parts for assembly on one side must be screwed onto the door leaf if necessary.

GUARD S Slimline set



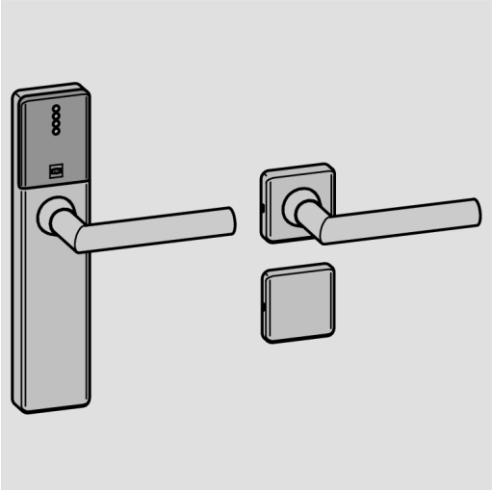
- Long plate Slimline cover outside, with pre-assembled lever handle and integrated core pulling and drilling protection
- Long plate Slimline cover inside
- Assembly profile for cover outside with electronic circuit
- Assembly profile for long plate inside without electronic circuit with lever handle
- Sealing ring, Ø 97 × 2 mm
- Spindle of suitable length
- adapter sleeves where necessary (see page 29)
- 2 lithium batteries, 1.5 V, AAA (inserted in battery compartment on delivery)
- Attachment material:
  - 3 threaded bushes (inserted in outer cover or assembly profile on delivery)
  - 4 long screws (M5 × 30 to M5 × 90, depending on the door leaf thickness in the order)

GUARD S Wideline set



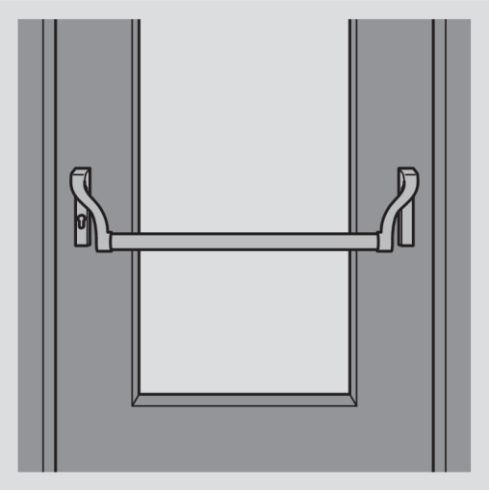
- Long plate Wideline cover outside, with pre-assembled lever handle and integrated core pulling and drilling protection
- Long plate Wideline cover inside
- Assembly profile long plate outside with electronic circuit
- Assembly profile for long plate inside without electronic circuit with lever handle
- Sealing ring, Ø 105 × 2 mm
- Spindle of suitable length
- adapter sleeves where necessary (see page 29)
- 2 lithium batteries, 1.5 V, AAA (inserted in battery compartment on delivery)
- Attachment material:
  - 3 threaded bushes (inserted in outer cover or assembly profile on delivery)
  - 4 long screws (M5 × 30 to M5 × 90, depending on the door leaf thickness in the order)

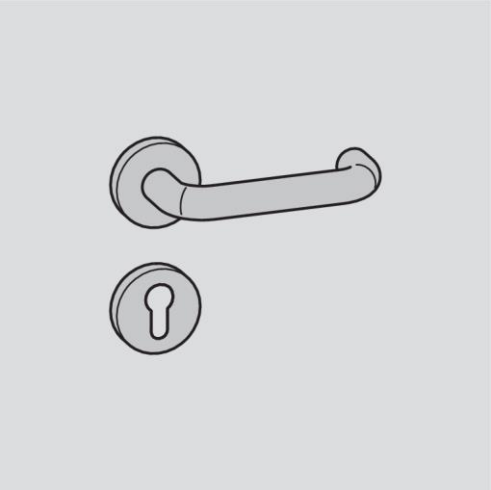
GUARD S Wideline set with rosettes



- Long plate Wideline cover outside, with pre-assembled lever handle and integrated core pulling and drilling protection
- Assembly profile long plate outside with electronic circuit
- Cover cylinder rosette Wideline
- Assembly profile cylinder rosette Wideline
- Cover lever handle rosette Wideline
- Assembly profile lever handle rosette Wideline with lever handle
- Sealing ring, Ø 105 × 2 mm
- Spindle of suitable length
- adapter sleeves where necessary (see page 29)
- 2 lithium batteries, 1.5 V, AAA (inserted in battery compartment on delivery)
- Attachment material:
  - 4 long screws (M5 x 30 to M5 x 90, depending on door leaf thickness in order)

Combination: GUARD S with third-party handle





The outer handles are also available separately so the GUARD S handle can be used in combination with third-party products. Appropriate attachment material is supplied.

Using the GUARD S outer handle with third-party handles will invalidate the security function.

Available accessories

The following accessories are available:

- Adapter sleeves, set, 7 mm to 9 mm
- Adapter sleeves, set, 8 mm to 9 mm
- Adapter sleeves, set, 8.5 mm to 9 mm
- Adapter sleeve, 9 mm to 10 mm
- AAA lithium batteries, 1.5 V, pack of 10
- Tampering protection for cylinder hole
- Covers
- Spindles of different lengths
- Long screws, M5 × 30 to M5 × 90, depending on the door leaf thickness in the order
- Short screws, M5 × 12
- Outside lever handle with attachment screw

The following accessories are available as options:

- Master card, programming card, RF wake-up card, RF online card, battery change card, service maintenance card, permanently open card, permanently closed card in ISO cheque card format
- Transponders in various designs (tag, ISO card, clip tag, etc.)
- Tapkey app (DOM Tapkey family only)
- ENiQ app (ENiQ family only)
- ‘ENiQ Access Management’ or ‘ELS software and/or ELSmobile software’ for PC or laptop
- 868 MHz wireless USB stick
- BLE 2.4 GHz wireless USB stick
- PC desktop reader for reading and writing closing devices in software
- ENiQ EasyFlex Booklet (for the ENiQ family only)

Please refer to the current price list for other accessories.

Adapter sleeves

The standard spindle has 9 mm edge length. Adapter sleeves in three sizes are available for spindle hubs with a smaller edge length. With these adapter sleeves you adapt the supplied spindle with smaller edge length to the dimensions of the inside lever handle and the coupling nut of the electronic handle side.

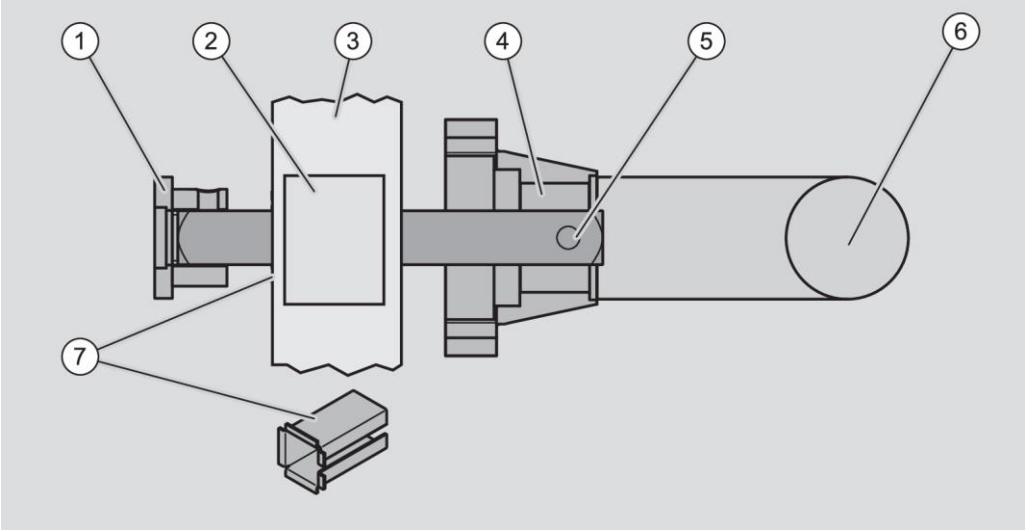
- Adapter sleeves for spindle with edge length 7 mm
- Adapter sleeves for spindle with edge length 8 mm
- Adapter sleeves for spindle with edge length 8.5 mm

An adapter sleeve is available for spindle hubs with a greater edge length. With this adapter sleeve you adapt the dimension of the standard spindle to the spindle hub.

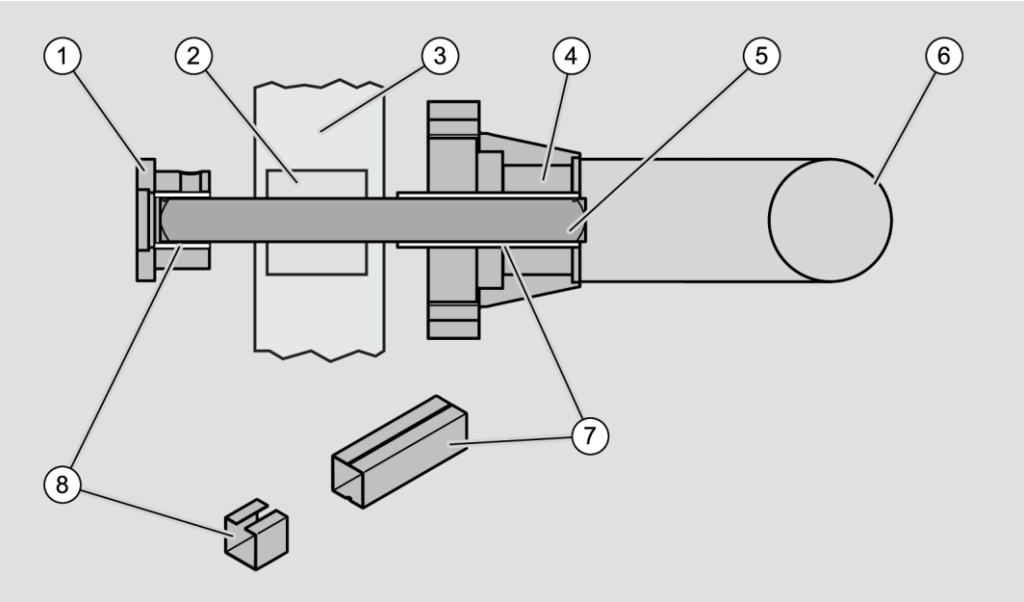
- Adapter sleeve for spindle with edge length 10 mm

The adapter sleeves for 7, 8 and 8.5 mm hubs are pushed onto the spindle with a smaller diameter at both ends. They thus enable the connection of a thin spindle with the inner lever handle and the coupling nut of the handle. The adapter sleeve for 10 mm spindle hubs is pushed centrally onto the spindle. It thus enables the connection of the standard spindle (9 mm) with a spindle hub with 10 mm edge length.

The use of the adapter sleeve for the spindle hubs with edge length 10 mm is shown in the diagram which follows. The use of the adapter sleeves for the spindle with a smaller edge length is shown below this diagram.



No.	Name
1	Coupling nut
2	Spindle hub
3	Door
4	Lever handle bearing inside
5	Spindle
6	Lever handle, inside
7	Adapter sleeve 9 mm to 10 mm



No.	Name
1	Coupling nut
2	Spindle hub
3	Door
4	Lever handle bearing inside
5	Spindle
6	Lever handle, inside
7	Adapter sleeve spindle to lever handle inside
8	Adapter sleeve spindle to coupling module of the electronic outer handle

Batteries

Two AAA 1.5 V lithium batteries are required to supply power to the reading field. The service life of the batteries stated in the data sheets refers to the batteries supplied with the product. These can be supplied separately as accessories or they are available from specialist retailers.
Batteries of a different specification or from a different manufacturer may have a shorter service life. In this case DOM will not provide any guarantee for the battery life or the number of possible locking cycles.

Technical data

The current technical instructions and product information can be found on the website at www.dom-security.com.

Storing handle

Please proceed as follows to store the handle prior to assembly or following use:

- ▶ Store the handle in the original packaging so that it is dry and free of dust.
- ▶ Store the handle and its electronic circuit in particular at least 15 cm away from metal objects, transponder and card coils.

Installation

The handles are only assembled by screwing them all the way through from the inside.

The assembly of the handles varies for the different versions. Proceed as follows in principle for assembly:

- Check that all parts are complete and in perfect condition.
- Provide the required tool and additional material.
- Prepare the door for assembly.
- Install the spindle and, if necessary, the adapter sleeve(s) in the handle for the outside.
- Push the outer handle onto the door leaf.
- Place the handle on the inside and screw it down with the upper long screw(s).
- Place the sealing ring on the assembly profile.
- Roughly align the drilling protection in the handle.
- Screw down the handle with the lower long screw.
- Install the handle on the outside of the door. Align the lever handle as desired.
- Align the lever handle on the outside as desired.
- Assemble the cover on the inside.
- Test the handle to ensure it is working perfectly.

⚠ CAUTION	
	Danger of injury to the fingers or hands on edges of the installation profile or the lock. ▶ Wear suitable safety gloves.

⚠ CAUTION	
	Risk of finger or hand injuries caused by slipping during drilling or screwing work. ▶ Wear suitable safety gloves. ▶ Observe and follow the notices provided in the drilling machine documentation when drilling.

⚠ CAUTION	
	Risk of injury due to the outer handle falling down. The outer handle of GUARD S handles is heavier than usual handles due to the security function. The feet can be injured due to the outer handle falling down during assembly. ▶ Wear suitable protective clothing. ▶ Make sure that the handle does not fall down.

Preparing installation

▶ Remove the handle from the original packaging.

▶ Keep the original packaging for later use.

The original packaging will be necessary for storage at a later date or sending after use.

The scope of supply depends on the properties of the handle which was ordered, the door and the lock which were stated in your order.

▶ Check whether all components of the handle were supplied.

▶ Check whether all accessories ordered were supplied.

▶ Check all parts supplied for flawless condition.

Check the following points in particular:

- Does the spindle which was supplied have the correct dimensions for the lock and the door?
- Were the correct adapter sleeves supplied (type and dimensions)?

▶ If parts are missing, damaged or supplied with incorrect measurements, contact the appropriate specialist retailer or the manufacturer.

▶ Ensure that the door is correctly attached.

▶ Ensure that the door is not warped.

▶ Ensure that the door is not under strain.

▶ Ensure that the door’s construction type makes installation of the handle possible.

▶ Ensure that the door has appropriate drill holes for attachment of the handle in line with the applicable standards where necessary.

Check the following points in particular:

- Are the holes at the attachment points present and sufficiently large?
- Have chippings which developed during drilling been removed properly?
- Was the hole in the lock calibrated properly with the hole in the door?

▶ Make sure that all these points have been fulfilled, by carrying out extra work if necessary.

▶ Make sure that the tool required and material are in place.

You require the following tools:

- Allen key, 2 mm, for horizontal alignment of the lever handle and for fixing the spindle in the coupling module
- TORX25 screwdriver for screwing the lever handle and halves of the handle
- Rosette lifter for lifting the covers of the mechanical handle
- Clamping device and metal saw for shortening the spindle if necessary

You require the following material for lifting mechanical covers or covers for rosettes:

- Protective cover for door (cardboard or film) for levering on the door with the rosette lifter

The tool and the material are not included in the scope of supply.

Align lever handle on the mechanical handle

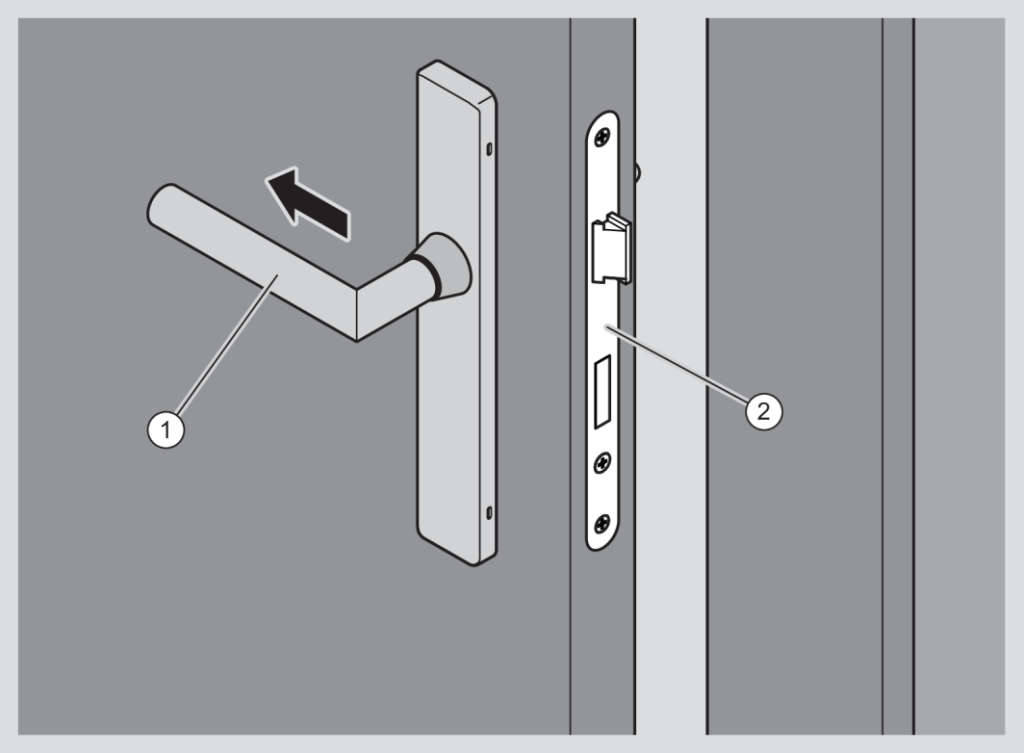
ATTENTION!	
	Malfunction due to loss of components on removing the lever handle The lever handle return spring can fall out when you release the attachment screws of the lever handle bearing of a mechanical GUARD handle. The seamless function of the lever handle is only guaranteed with the lever handle return spring. ▶ Do not release the attachment screws of the lever handle bearing. ▶ If you wish to replace a damaged lever handle, order a corresponding mechanical assembly profile with pre-installed lever handle.

The lever handle is already fitted on the assembly profile when the mechanical handle is delivered. You must align the lever handle to the left or right according to the installation situation so that the end of the lever handle points horizontally to the door hinge side.

You can turn the lever handle on mechanical handles at an angle of around 300 ° above the lever handle bearing. You cannot turn the lever handle below the lever handle bearing.

▶ Turn the lever handle (1) so that it is aligned towards the door hinges and points away from the side with the lock (2).

You can now install the handle on the outside as described in the following sections. The mechanical handle is then attached to the inside and secured in position.



Aligning the lever handle on the electronic handle

ⓘ An example of an electronic GUARD S Slimline is presented in the section below.

The handles of the GUARD S family are suitable for right-handed and left-handed doors. The factory-mounted lever handle can be freely rotated by 360° and does not have to be dismantled for alignment.

Insert spindle

The standard spindle has 9 mm edge length. Adapter sleeves in three sizes are available for spindle hubs with a smaller edge length. With these adapter sleeves you adapt the supplied spindle with smaller edge length to the dimensions of the inside lever handle and the coupling nut of the electronic handle side.

If you are using a standard spindle, you can fit this as described from page 39 onwards.

If a lock which is present necessitates a different edge length, you must use adapter sleeves to adapt the spindle on the spindle hub or coupling nut and inner lever handle. A suitable spindle and adapter sleeves in line with the dimensions which you stated when placing the order are included in the scope of delivery.

Adapter sleeves in three sizes are available for a spindle hub with a smaller edge length. With these adapter sleeves you adapt the supplied spindle with smaller edge length to the dimensions of the inside lever handle and the coupling nut.

- Adapter sleeves for spindle with edge length 7 mm
- Adapter sleeves for spindle with edge length 8 mm
- Adapter sleeves for spindle with edge length 8.5 mm

An adapter sleeve for the lock can be supplied for a spindle hub with 10 mm edge length. With this adapter sleeve you adapt the measurement of the spindle hub to the standard spindle 9 mm.

- Adapter sleeve for spindle with edge length 10 mm

The procedure for attaching the adapter sleeves differs in line with the desired dimensions.

The procedure for attaching the adapter sleeves is described in the sections from page 40 onwards.

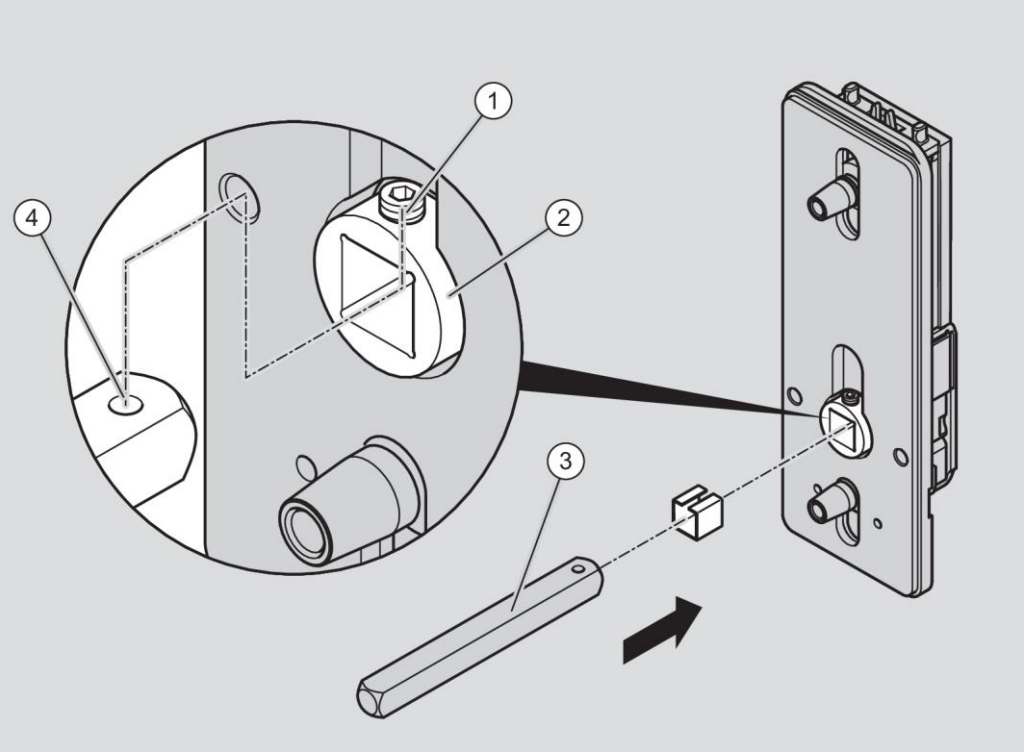
Use spindle without reducing bushes

An example of a GUARD S Slimline is presented in the section below. The procedure for other handles is the same as the one described here.

ATTENTION!	
	Loss of the grub screw If you release the grub screw too much, it may fall out and get lost. ▶ Only release the grub screw as far as is necessary for inserting the spindle into the coupling nut.

You require a 2 mm Allen key for loosening or tightening the grub screw.

- ▶ Align the spindle (3) so that the drill hole (4) is flush with the grub screw (1).
- ▶ Insert the spindle into the coupling nut (2).
- ▶ Loosen the grub screw (1) slightly if the spindle cannot be inserted into the coupling nut.
- ▶ Push the spindle into the coupling nut as far as it will go.
- ▶ Tighten the grub screw as far as it will go.
- ▶ Loosen the grub screw half a turn.



- ▶ Continue with the assembly of the handle as described from page 44 onwards.

Use adapter sleeves for smaller spindle hubs

The adapter sleeves for spindles with edge lengths of 7 mm, 8 mm and 8.5 mm are supplied in two forms.

- Adapter sleeves for use on electronic handles (shorter form)
- Adapter sleeves for use on mechanical handles (longer form)

The attachment of adapter sleeves for handles on the outside door and inside door is also different.

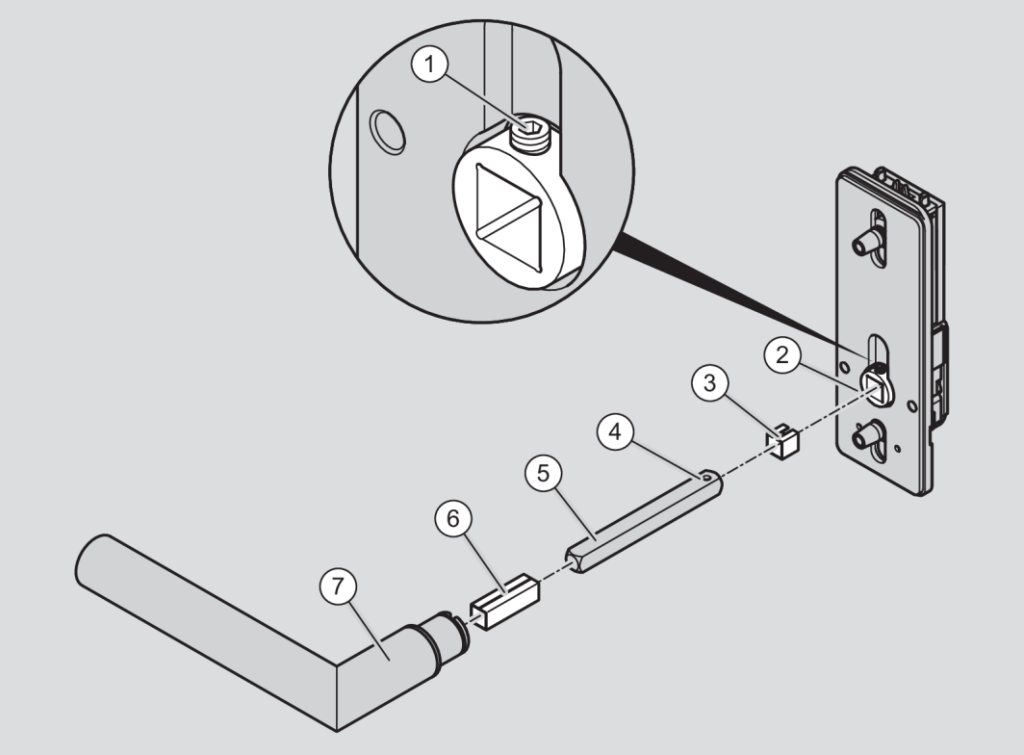
- A description of how to attach the adapter sleeves to electronic handles on the outside is provided from page 41 onwards.
- A description of how to attach the adapter sleeves to mechanical handles on the inside is provided from page 42 onwards.

Using adapter sleeve on an electronic handle outside

ⓘ An example of a GUARD S Slimline is presented in the section below. The procedure for other handles is the same as the one described here.

Proceed as follows to install a spindle with an edge length less than 9 mm on an electronic handle:

- ▶ Make sure that the spindle (5) is the correct length.
- ▶ Push the smaller adapter sleeve (3) into the coupling nut (2) so that the slot in the adapter sleeve is aligned with the grub screw (1).
- ▶ Insert the spindle (5) into the adapter sleeve so that the drill hole (4) in the spindle is aligned with the grub screw (1).
- ▶ Tighten the grub screw as far as it will go.
- ▶ Loosen the grub screw half a turn.
- ▶ Then place the longer adapter sleeve (6) and the lever handle (7) on the spindle.

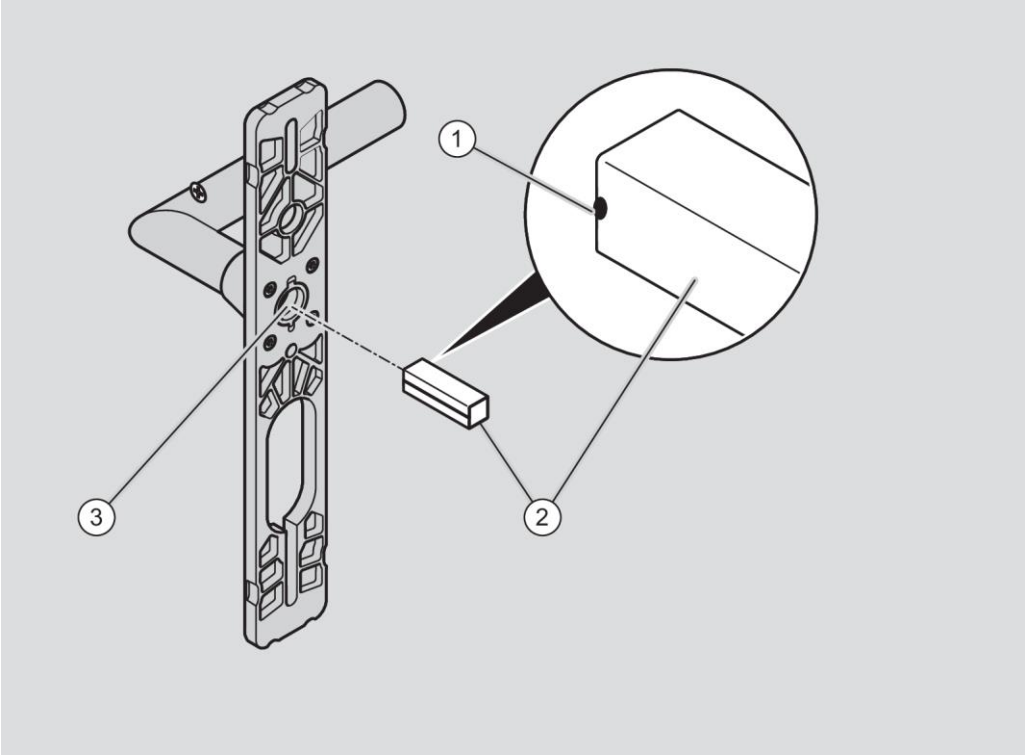


Using adapter sleeve on a mechanical handle inside

ⓘ An example of a GUARD S Slimline is presented in the section below. The procedure for other handles is the same as the one described here.

Proceed as follows to install a spindle with an edge length less than 9 mm on a mechanical handle on the inside:

- ▶ Push the longer adapter sleeve (2) with the end stopper (inside) (1) forwards into the lever handle for the inside (3).
- ▶ Ensure that the adapter sleeve does not slide out of the lever handle.



- ▶ Continue with the assembly of the handle as described from page 44 onwards.

Use adapter sleeve for 10 mm spindle hub

ⓘ An example of a GUARD S Slimline is presented in the section below. The procedure for other handles is the same as the one described here.

Proceed as follows to install a spindle in a spindle hub with 10 mm edge length:

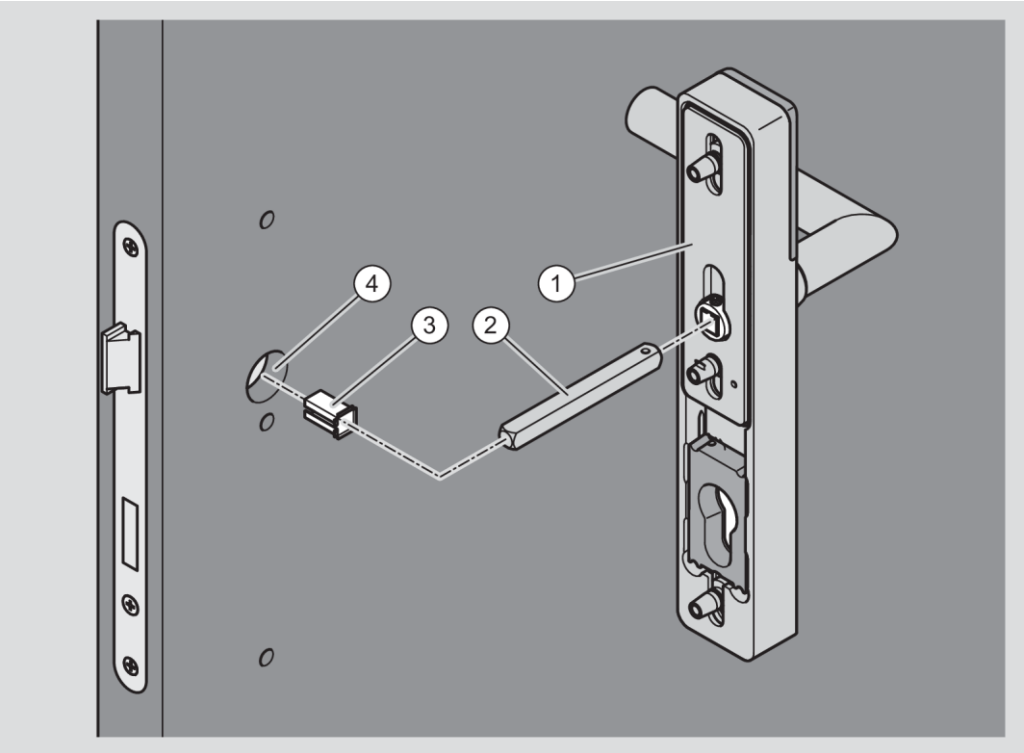
▶ Align the adapter sleeve (3) as shown.

The adapter sleeve must be aligned in such a way that the slot in the adapter sleeve is aligned with the grub screw (1).

▶ Push the adapter sleeve into the spindle hub (4) in the door until it comes to a stop.

▶ Insert the spindle (2) into the spindle hub as described from page 39 onwards.

You can now insert the spindle in the electronic handle into the adapter sleeve in the spindle hub and attach the handle to the door leaf. For this purpose proceed as described in the section “Installing handle” from page 44 onwards.



Installing handle

The attachment of the handles differs according to the variant and the selected type of screwed connection.

The handles of the GUARD S family are usually attached at three points. Long screws are inserted into the handle on the inside and screwed down to the threaded bushes in the outer handle. The screw connection is always made through the door leaf (“screwing all the way through”). It is not possible to perform attachment by “screwing on”.
If it is not possible to use three screw connections, screwing all the way through at two points is an alternative.

⚠ CAUTION	
	Danger of injury to the fingers or hands on edges of the installation profile or the lock. ▶ Wear suitable safety gloves.

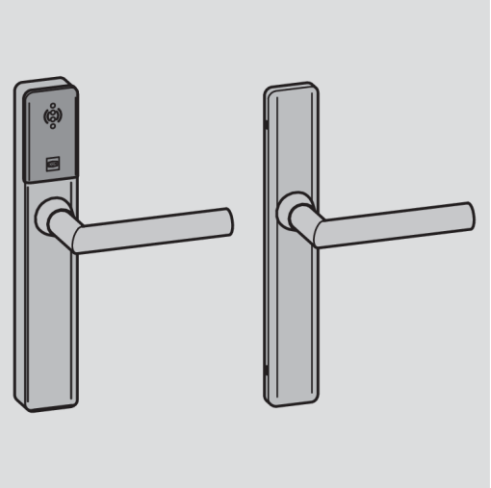
⚠ CAUTION	
	Risk of finger or hand injuries caused by slipping during drilling or screwing work. ▶ Wear suitable safety gloves. ▶ Observe and follow the notices provided in the drilling machine documentation when drilling.

ATTENTION!	
	Damage possible due to screws being too tight. Damage to the handle, door or lock may result. ▶ Do not use any force when installing handles. ▶ Make sure that the screws are only hand tight.

The manufacturer can provide instructions about the required torque.

ATTENTION!	
	Failure of the security function with a two-point screw connection. ▶ Only use the two-point screw connection if the security function is not required.

GUARD S Slimline set



The handle is attached by screwing it all the way through with two or three long screws from the inside of the door. The following is a description and illustration of attachment with a three-point screw connection. In the case of a two-point screw connection, the top screw connection is omitted. The procedure is identical apart from that.

ATTENTION!	
	Failure of the security function with a two-point screw connection. ▶ Only use the two-point screw connection if the security function is not required.

Before attaching the handle, you must attach the spindle to the handle.

ⓘ The lever handle is assembled on the electronic handle at the factory. The alignment of the lever handle is described from page 37 onwards. A description of how to attach the spindle is provided from page 38 onwards.
A description of how to attach the spindle with reducing bushes is provided from page 40 onwards.

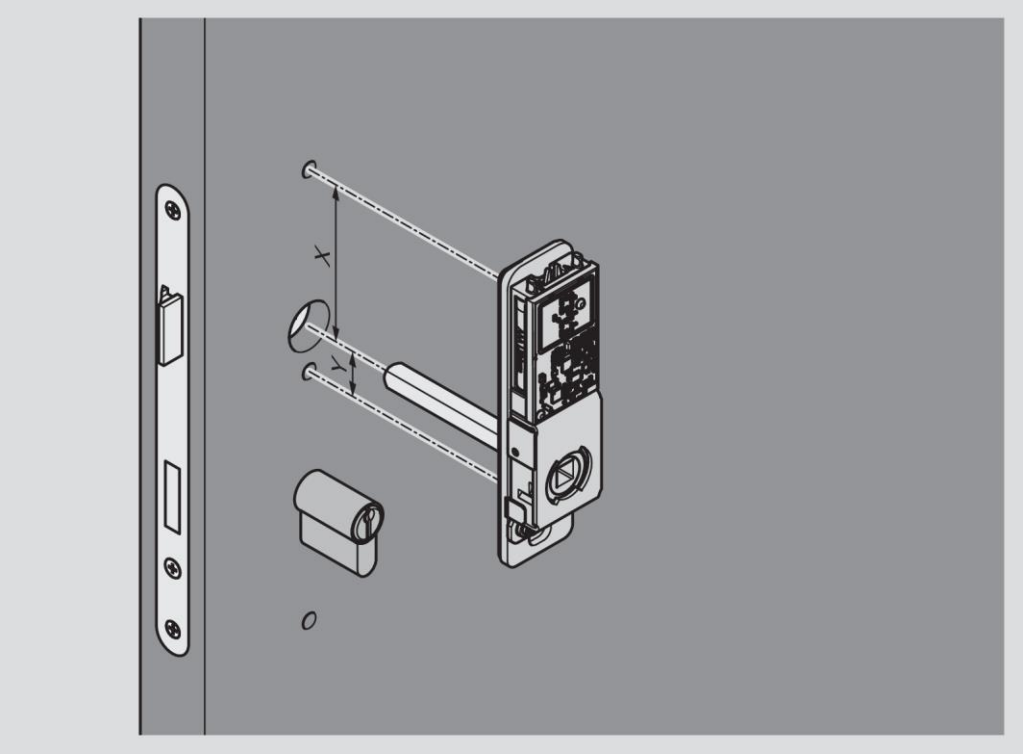
ATTENTION!	
	Damage to the electronic components of the handle due to contact possible. ▶ Do not touch the electronic components of the handle. ▶ Touch an earthed object made of metal to discharge any electrostatic charge before continuing work.

A heater or tap are examples of suitable earthed objects.

The assembly profiles are screwed down to both sides of the door. Threaded bushes are inserted in the outer assembly profile for this purpose. The inner assembly profile is attached with long screws that are screwed into the threaded bushes.

The position of the screw connections depends on the position of the existing drill holes in the door and the lock. There are guide slots in the assembly profiles that can be used to move the pre-assembled threaded bushes to the correct positions for the corresponding attachment points.

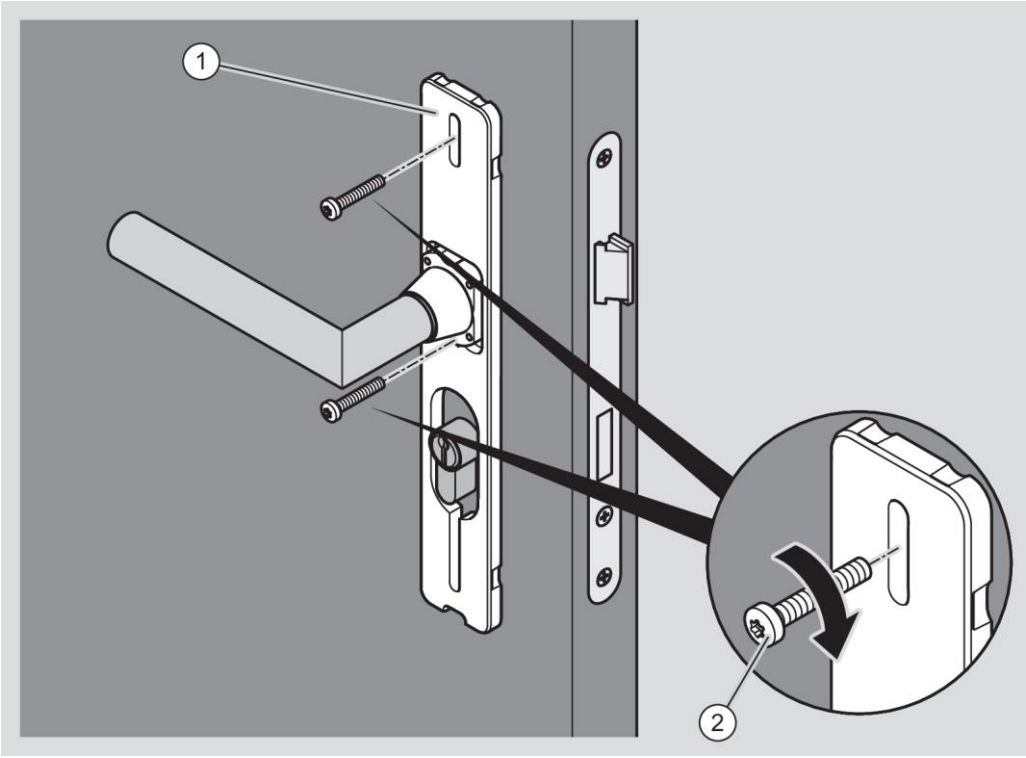
- ▶ Measure distance “X” between the middle of the coupling nut and the upper attachment point in the door leaf.
- ▶ Measure distance “Y” between the middle of the coupling nut and the attachment point below the coupling nut.
- ▶ Slide the threaded bushes into the correct position.
- ▶ Press the assembly profile against the outer door leaf as far as it will go.



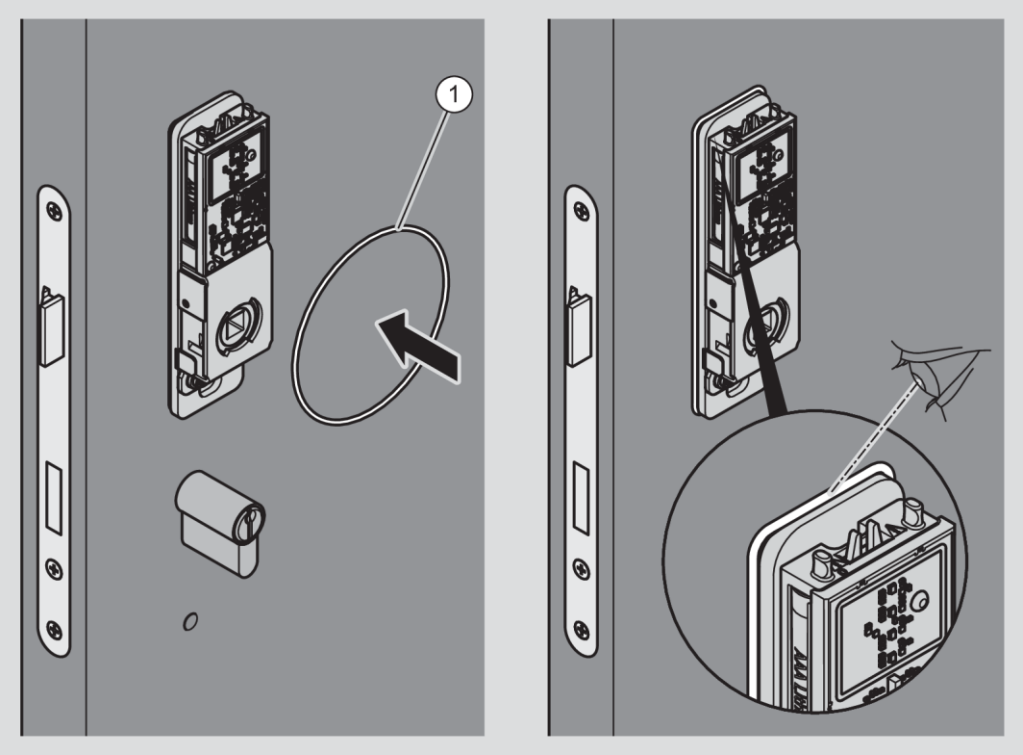
- ▶ Ensure that the lever handle on the inside handle is aligned correctly (see page 36).
- ▶ When using adapter sleeves, make sure that these are attached correctly (see page 40).

Proceed as follows to attach the inner handle with the assembled and aligned lever handle:

- ▶ Place the lever handle on the spindle protruding on the inside of the door.
- ▶ Press the assembly profile (1) onto the door leaf.
- ▶ Insert the two long screws (2) through the guide slots on the assembly profile and into the drill holes of the attachment points as shown.
- ▶ If necessary, move the long screws until they can be inserted easily into the drill holes and screwed into the threaded bushes.
- ▶ Screw the two long screws into the threaded bushes of the assembly profile so that they are hand-tight.
- ▶ Check the lever handle for ease of movement.
- ▶ Loosen the long screw on the lever handle slightly if the lever handle does not move easily.
- ▶ Check the lever handle for ease of movement once again.

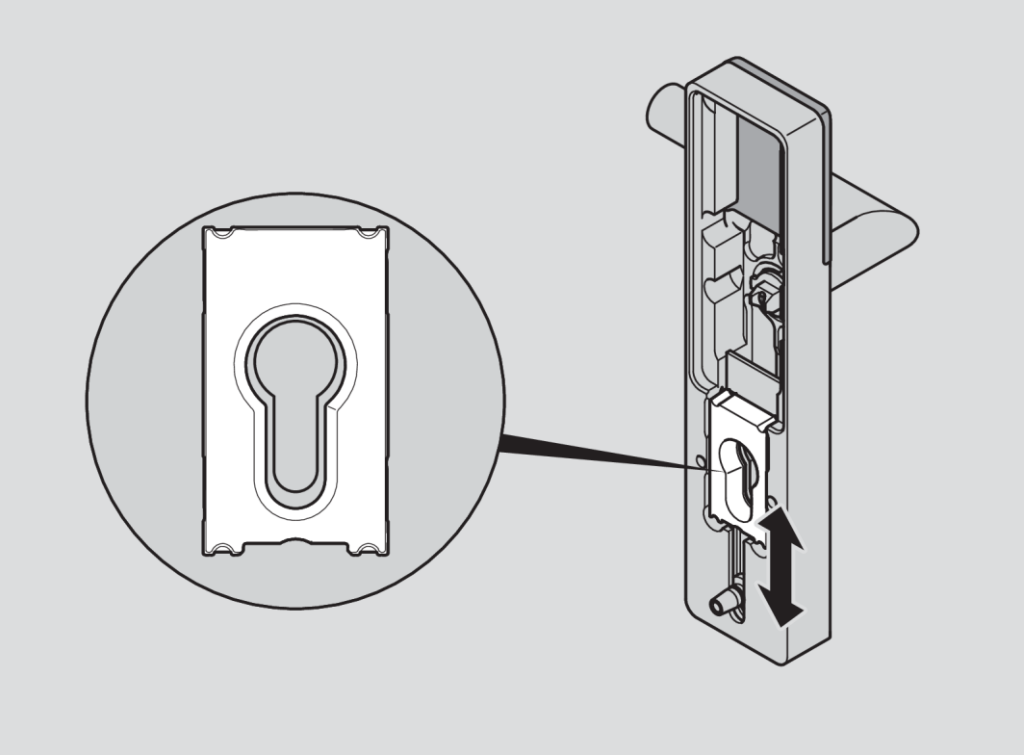


- ▶ Pull the sealing ring (1) over the outer assembly plate.
- ▶ Make sure that the sealing ring is correctly placed in the groove on the edge of the assembly plate.

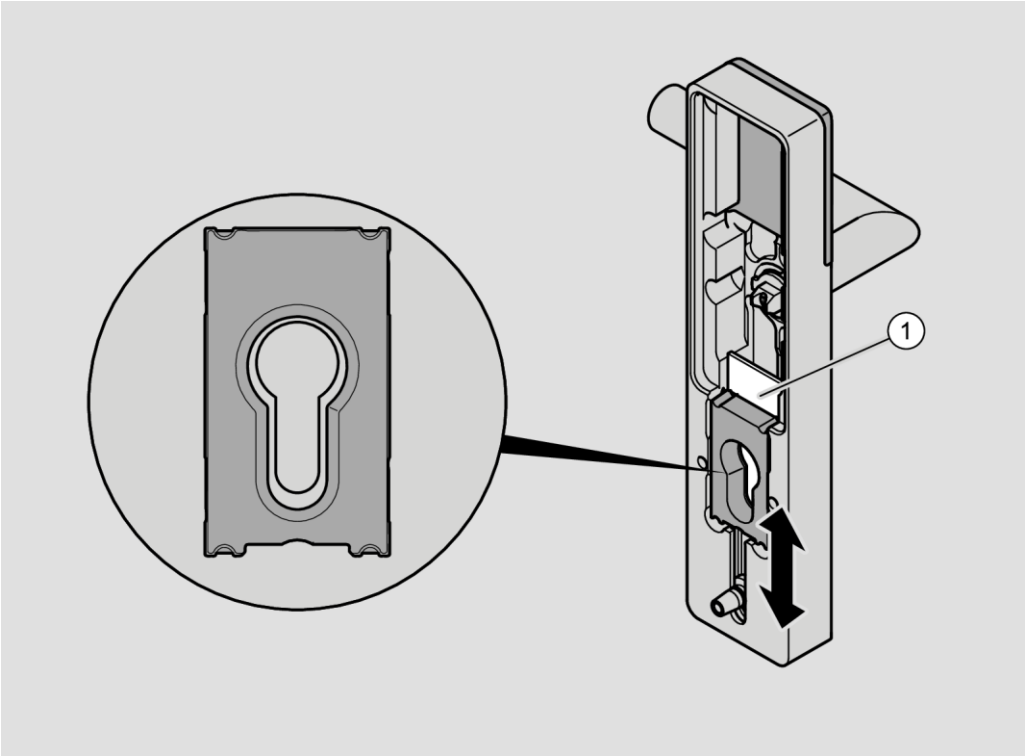


▶ Roughly slide the locking cylinder's drilling protection into the desired position.

ⓘ The drilling protection is precisely aligned by the bevelled edges when the handle is placed on the assembly plate.



The drilling protection on a dummy handle has a closed cover (1) without an opening for a locking cylinder. The drilling protection for a dummy handle is aligned in the same way. Furthermore, the installation of dummy handles is no different from handles with a locking cylinder.

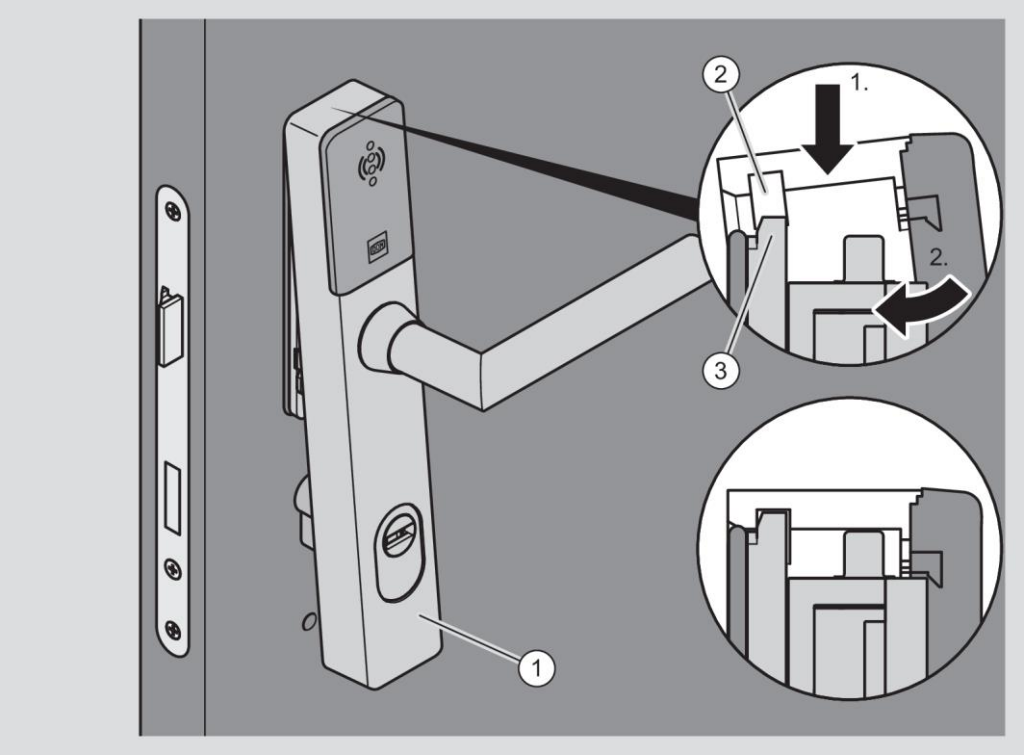


▶ Place the outer handle (1) on the top of the assembly plate (1.) as shown.

The groove (2) in the outer handle must click into place over the lug (3) in the assembly plate.

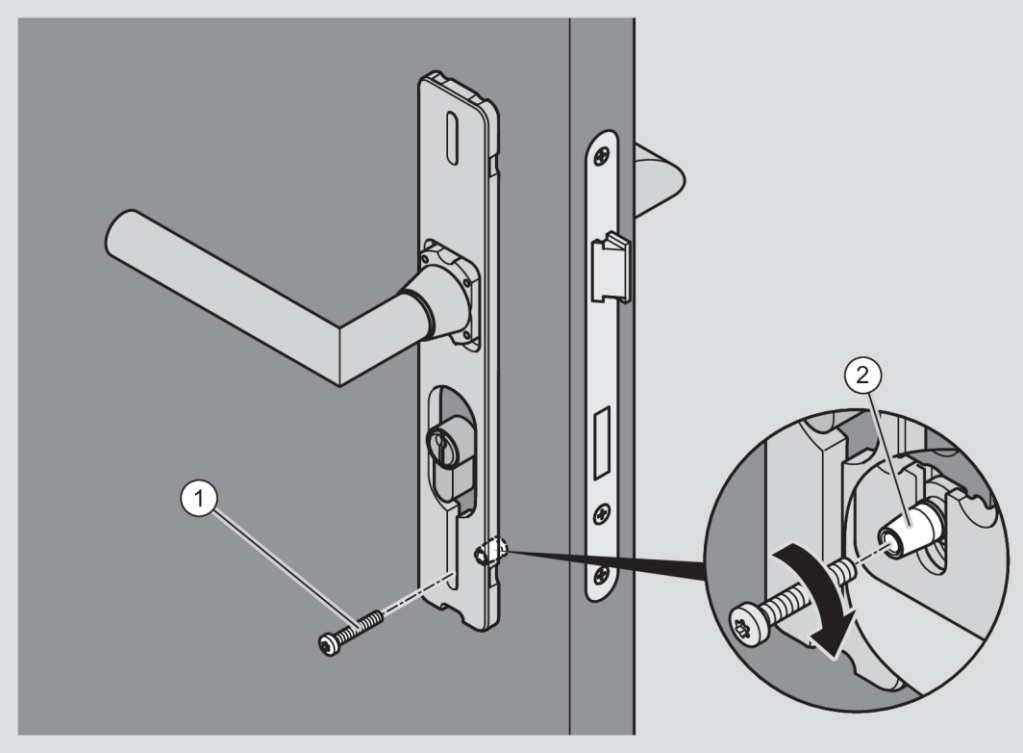
▶ Press the outer handle against the assembly plate (2.) with a swivelling movement at the bottom.

ⓘ The drilling protection is precisely aligned. Once the cover has been fitted, the core pulling protection rosette lies flush against the face of the locking cylinder.



- ▶ Insert the lower long screw (1) through the inner plate into the threaded bush (2) of the outer assembly plate.
- ▶ Make sure that the handle is positioned correctly.
- ▶ Tighten the long screw so that it is hand-tight.

ⓘ Remove this long screw to change the batteries; see page 79.



ATTENTION!	
	It is possible to damage the surface of the lever handle when fitting the cover. ▶ Do not use any force when installing the covers of handles. ▶ Twist the cover round the lever handle while fitting in order to avoid contact. ▶ Ensure that the cover and the lever handle do not touch when fitting the cover.

The cover of the mechanical handle is only put loosely in place on delivery. You must press the cover onto the assembly profile until it clicks audibly into place.

ATTENTION!	
	Distortion of the cover possible due to forceful pressing. ▶ Press the cover carefully until it clicks into the locking points. ▶ Use the heel of the hand to strike the outer edge of the cover lightly if necessary.

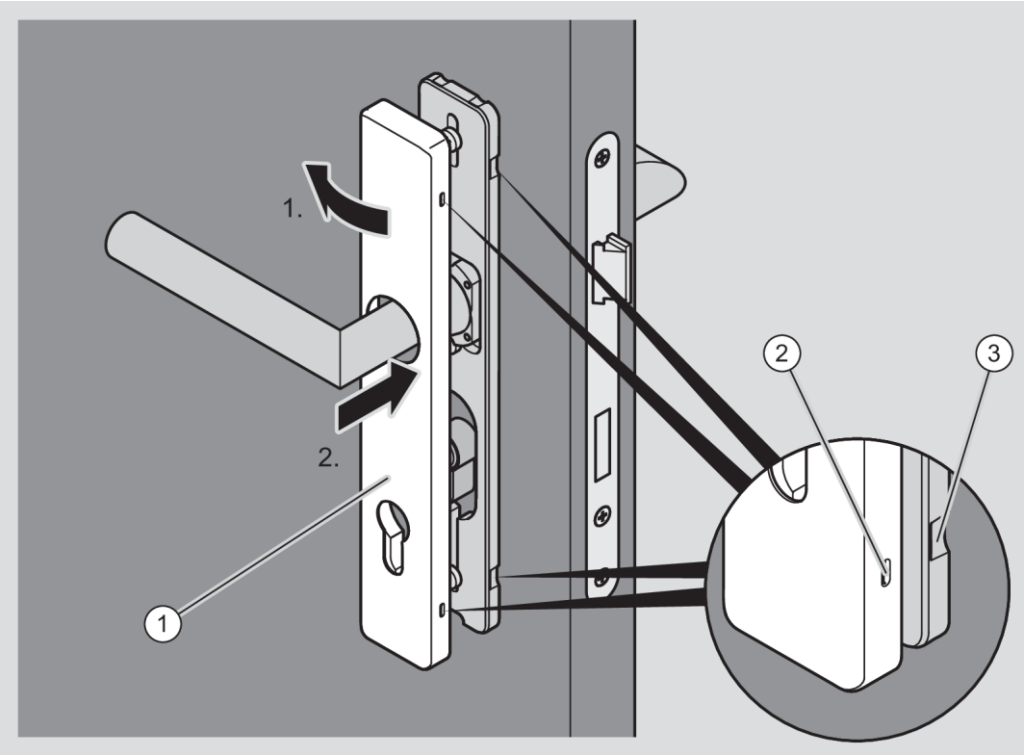
▶ Place the cover (1) over the lever handle as shown.

You must twist the cover when putting it in position if this is necessary.

▶ Press the cover laterally onto the assembly profile (1.) until the locking points of the cover (2) are in contact with the locking points of the assembly profile (3) (1.).

▶ Press the other side of the cover onto the assembly profile in such a way that the locking points audibly click into place (2.).

ⓘ The diagram which follows shows an example of the attachment.



▶ Check the outer lever handle to ensure it is working (coupling) perfectly.

If the outer lever handle does not couple perfectly, align it as follows:

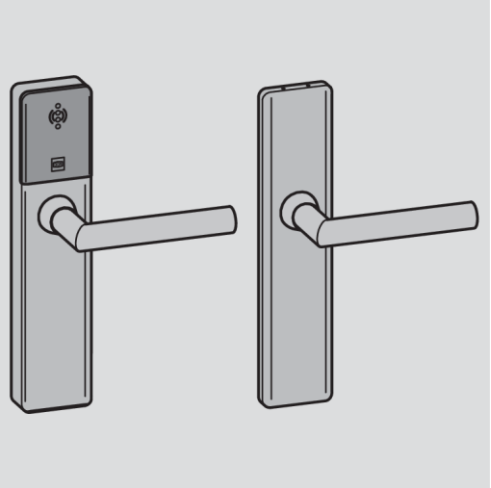
▶ Remove the cover of the outer handle as described in section “Removing handle” from page 88 onwards.

▶ Make sure that the outer lever handle is aligned horizontally.

The horizontal positions of the outer lever handle and inner lever handle must match.

▶ Reattach the cover to the assembly profile.

GUARD S Wideline set



The handle is attached by screwing it all the way through with two or three long screws from the inside of the door. The following is a description and illustration of attachment with a three-point screw connection. In the case of a two-point screw connection, the top screw connection is omitted. The procedure is identical apart from that.

ATTENTION!	
	Failure of the security function with a two-point screw connection. ▶ Only use the two-point screw connection if the security function is not required.

Before attaching the handle, you must attach the spindle to the handle.

ⓘ The lever handle is assembled on the electronic handle at the factory. The alignment of the lever handle is described from page 37 onwards. A description of how to attach the spindle is provided from page 38 onwards.
A description of how to attach the spindle with reducing bushes is provided from page 40 onwards.

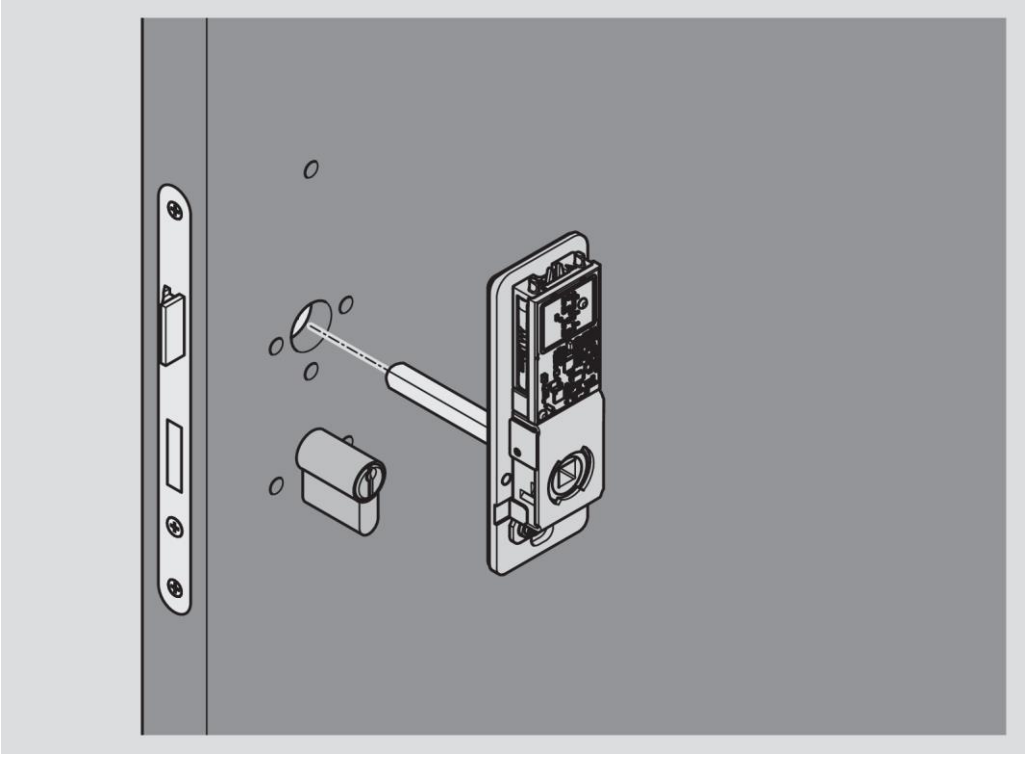
ATTENTION!	
	Damage to the electronic components of the handle due to contact possible. ▶ Do not touch the electronic components of the handle. ▶ Touch an earthed object made of metal to discharge any electrostatic charge before continuing work.

A heater or tap are examples of suitable earthed objects.

The assembly profiles are screwed down to both sides of the door. Threaded bushes are inserted in the outer assembly profile for this purpose. The inner assembly profile is attached with long screws that are screwed into the threaded bushes.

The position of the screw connections depends on the position of the existing drill holes in the door and the lock. There are guide slots in the assembly profiles that can be used to move the pre-assembled threaded bushes to the correct positions for the corresponding attachment points.

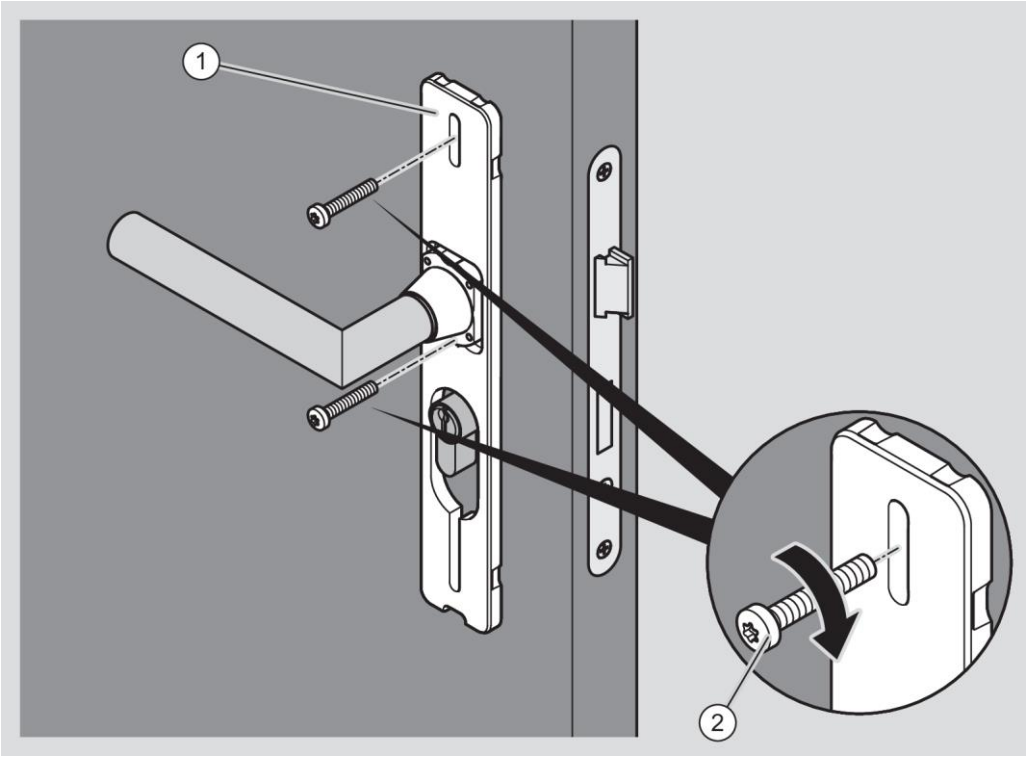
- ▶ Measure distance “X” between the middle of the coupling nut and the upper attachment point in the door leaf.
- ▶ Measure distance “Y” between the middle of the coupling nut and the attachment point below the coupling nut.
- ▶ Slide the threaded bushes into the correct position.
- ▶ Press the assembly profile against the outer door leaf as far as it will go.



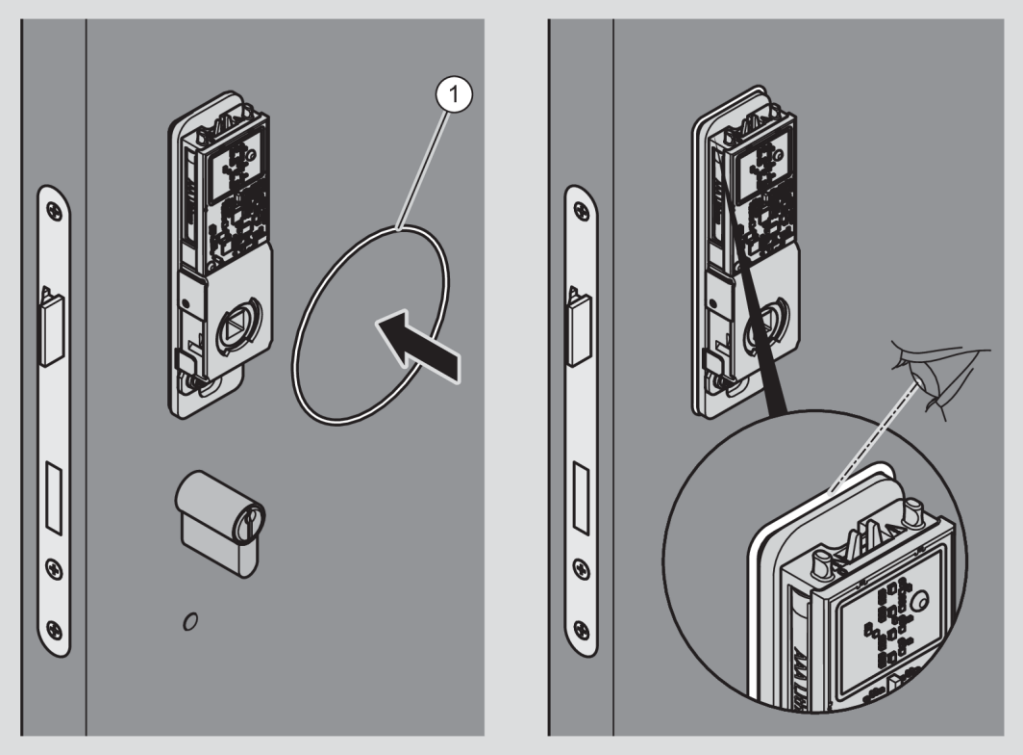
- ▶ Ensure that the lever handle on the inside handle is aligned correctly (see page 36).
- ▶ When using adapter sleeves, make sure that these are attached correctly (see page 40).

Proceed as follows to attach the inner handle with the assembled and aligned lever handle:

- ▶ Place the lever handle on the spindle protruding on the inside of the door.
- ▶ Press the assembly profile (1) onto the door leaf.
- ▶ Insert the two long screws (2) through the guide slots on the assembly profile and into the drill holes of the attachment points as shown.
- ▶ If necessary, move the long screws until they can be inserted easily into the drill holes and screwed into the threaded bushes.
- ▶ Screw the two long screws into the threaded bushes of the assembly profile so that they are hand-tight.
- ▶ Check the lever handle for ease of movement.
- ▶ Loosen the long screw on the lever handle slightly if the lever handle does not move easily.
- ▶ Check the lever handle for ease of movement once again.

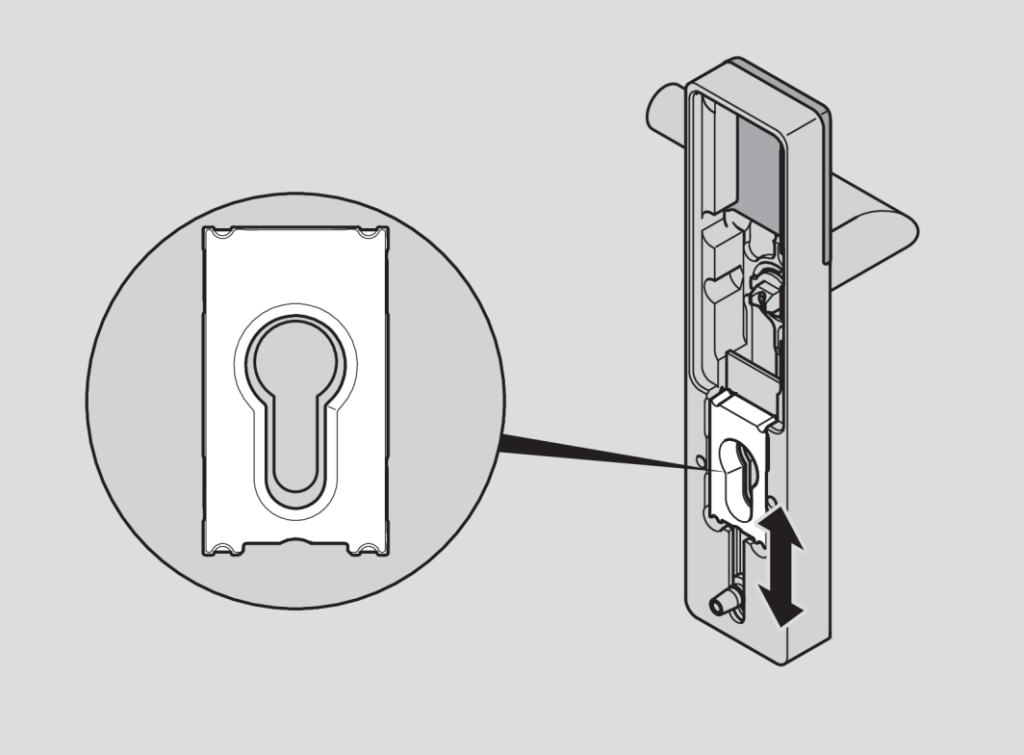


- ▶ Pull the sealing ring (1) over the outer assembly plate.
- ▶ Make sure that the sealing ring is correctly placed in the groove on the edge of the assembly plate.

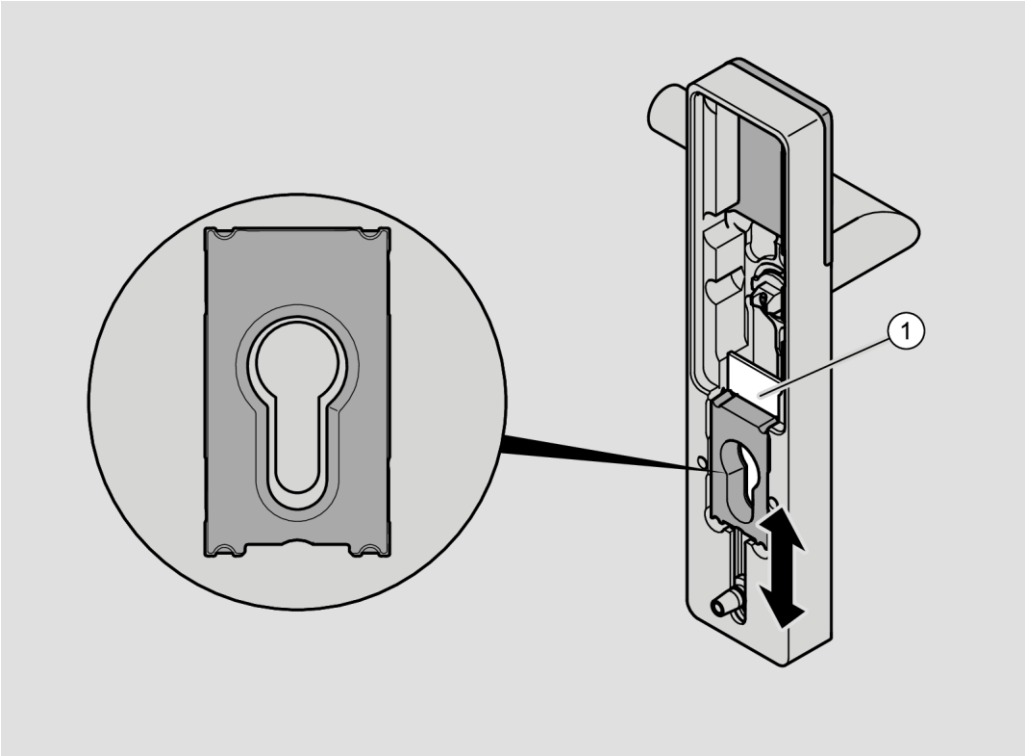


▶ Roughly slide the locking cylinder's drilling protection into the desired position.

ⓘ The drilling protection is precisely aligned by the bevelled edges when the handle is placed on the assembly plate.



The drilling protection on a dummy handle has a closed cover (1) without an opening for a locking cylinder. The drilling protection for a dummy handle is aligned in the same way. Furthermore, the installation of dummy handles is no different from handles with a locking cylinder.

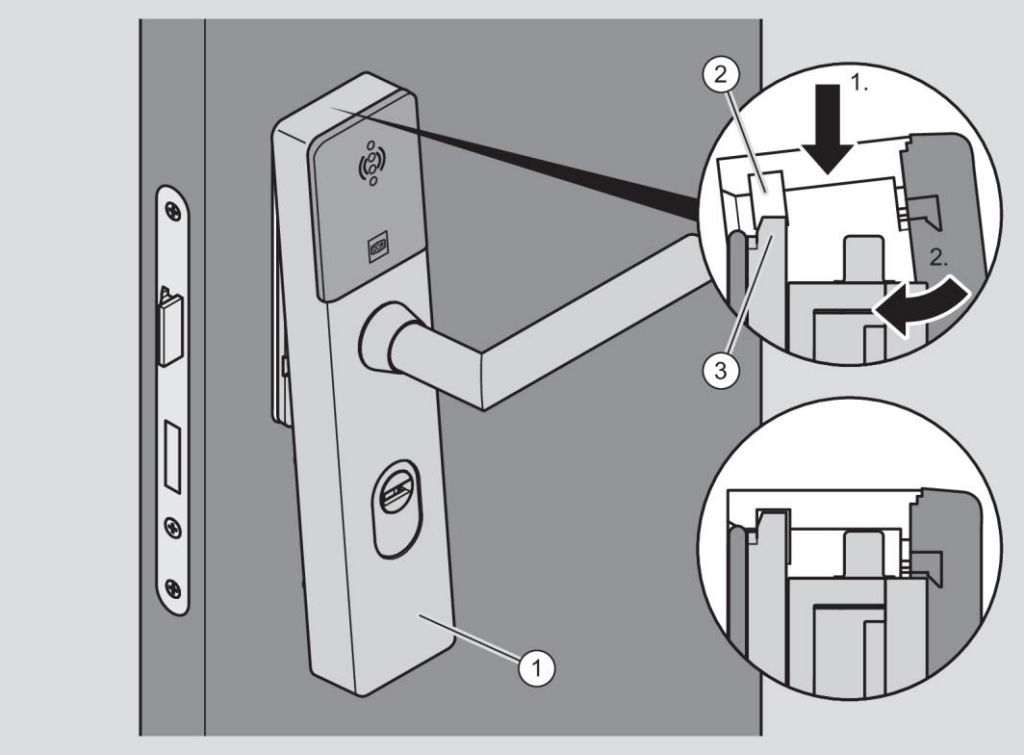


▶ Place the outer handle (1) on the top of the assembly plate (1.) as shown.

The groove (2) in the outer handle must click into place over the lug (3) in the assembly plate.

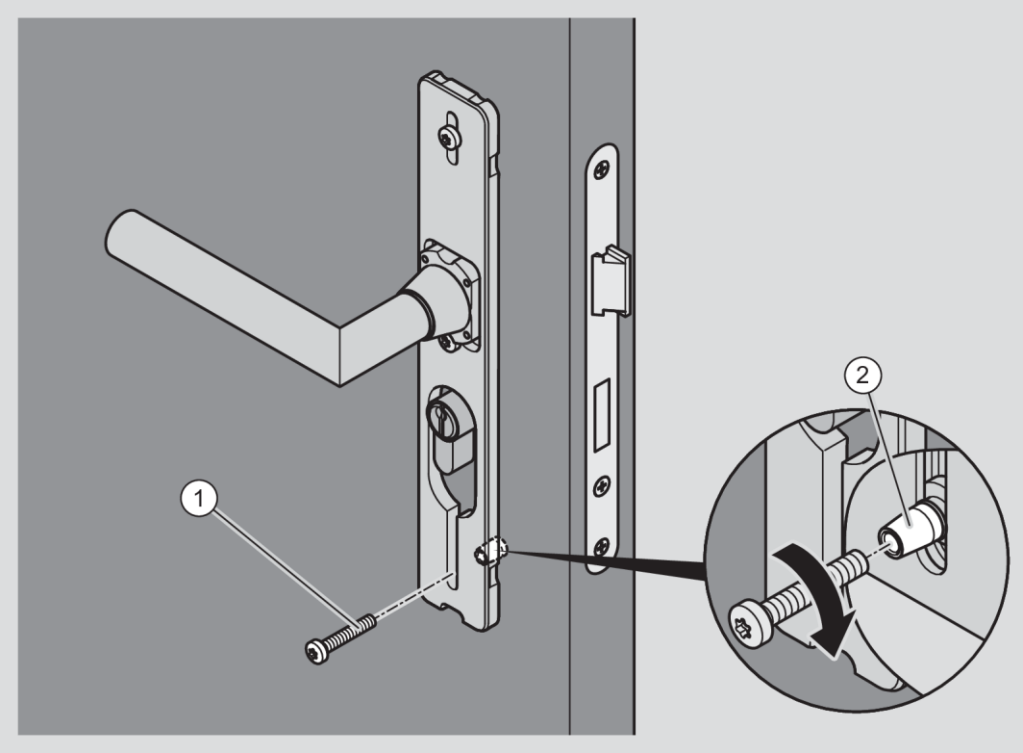
▶ Press the outer handle against the assembly plate (2.) with a swivelling movement at the bottom.

ⓘ The drilling protection is precisely aligned. Once the cover has been fitted, the core pulling protection rosette lies flush against the face of the locking cylinder.



- ▶ Insert the lower long screw (1) through the inner plate into the threaded bush (2) of the outer assembly plate.
- ▶ Make sure that the handle is positioned correctly.
- ▶ Tighten the long screw so that it is hand-tight.

ⓘ Remove this long screw to change the batteries; see page 79.



ATTENTION!	
	It is possible to damage the surface of the lever handle when fitting the cover. ▶ Do not use any force when installing the covers of handles. ▶ Twist the cover round the lever handle while fitting in order to avoid contact. ▶ Ensure that the cover and the lever handle do not touch when fitting the cover.

The cover of the mechanical handle is only put loosely in place on delivery. You must press the cover onto the assembly profile until it clicks audibly into place.

ATTENTION!	
	Distortion of the cover possible due to forceful pressing. ▶ Press the cover carefully until it clicks into the locking points. ▶ Use the heel of the hand to strike the outer edge of the cover lightly if necessary.

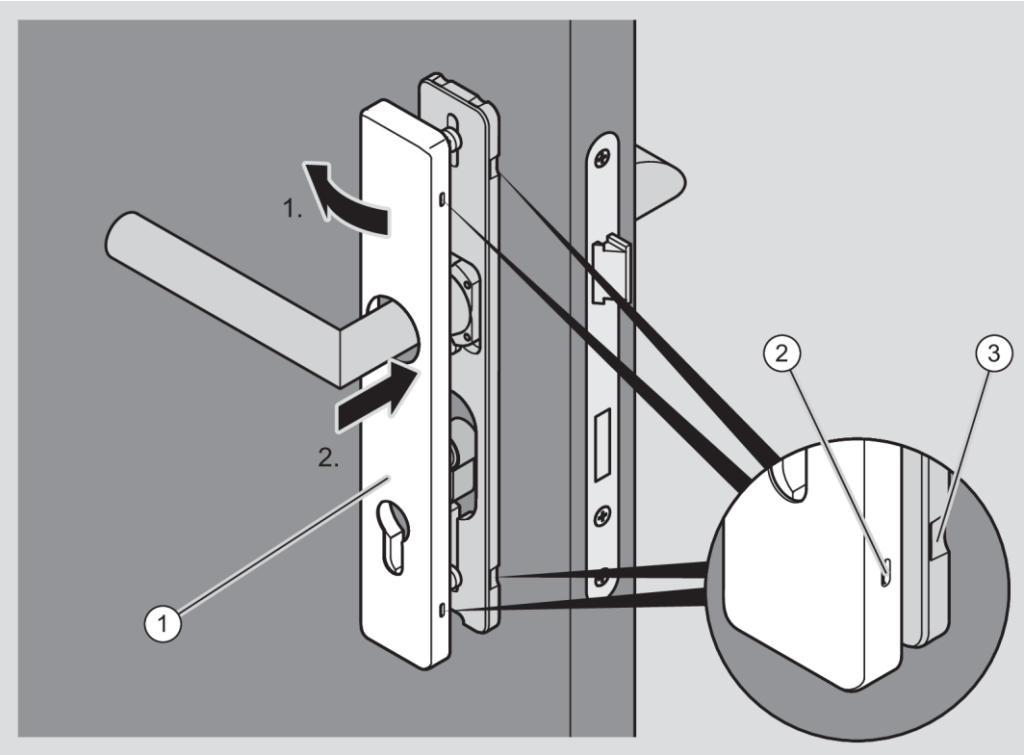
▶ Place the cover (1) over the lever handle as shown.

You must twist the cover when putting it in position if this is necessary.

▶ Press the cover laterally onto the assembly profile (1.) until the locking points of the cover (2) are in contact with the locking points of the assembly profile (3) (1.).

▶ Press the other side of the cover onto the assembly profile in such a way that the locking points audibly click into place (2.).

ⓘ The diagram which follows shows an example of the attachment.



▶ Check the outer lever handle to ensure it is working (coupling) perfectly.

If the outer lever handle does not couple perfectly, align it as follows:

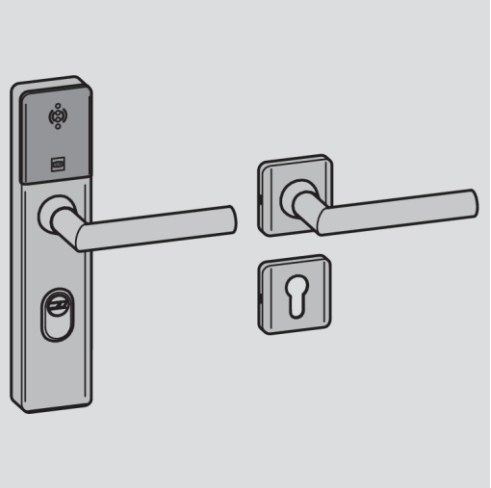
▶ Remove the cover of the outer handle as described in section “Removing handle” from page 88 onwards.

▶ Make sure that the outer lever handle is aligned horizontally.

The horizontal positions of the outer lever handle and inner lever handle must match.

▶ Reattach the cover to the assembly profile.

GUARD S Wideline set with rosettes



You can attach the GUARD S Wideline with four long screws next to one another in pairs. The lever handle rosette and cylinder rosette are attached on the inside.

Before attaching the handle, you must attach the spindle to the handle.

ⓘ The lever handle is assembled on the electronic handle at the factory. The alignment of the lever handle is described from page 37 onwards. A description of how to attach the spindle is provided from page 38 onwards.
A description of how to attach the spindle with reducing bushes is provided from page 40 onwards.

ATTENTION!	
	Damage to the electronic components of the handle due to contact possible. ▶ Do not touch the electronic components of the handle. ▶ Touch an earthed object made of metal to discharge any electrostatic charge before continuing work.

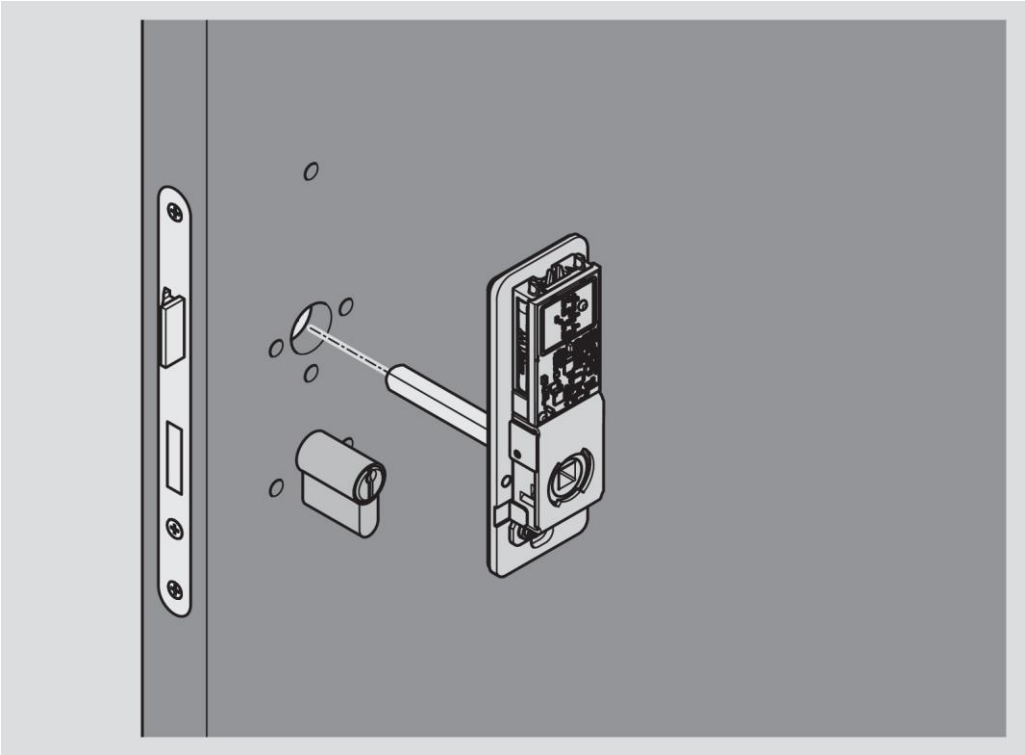
A heater or tap are examples of suitable earthed objects.

- ▶ If necessary remove the cover from the electronic assembly profile as described from page 91 onwards.
- ▶ Ensure that the lever handle on the inside handle is aligned correctly (see page 36).
- ▶ When using adapter sleeves, make sure that these are attached correctly (see page 40).

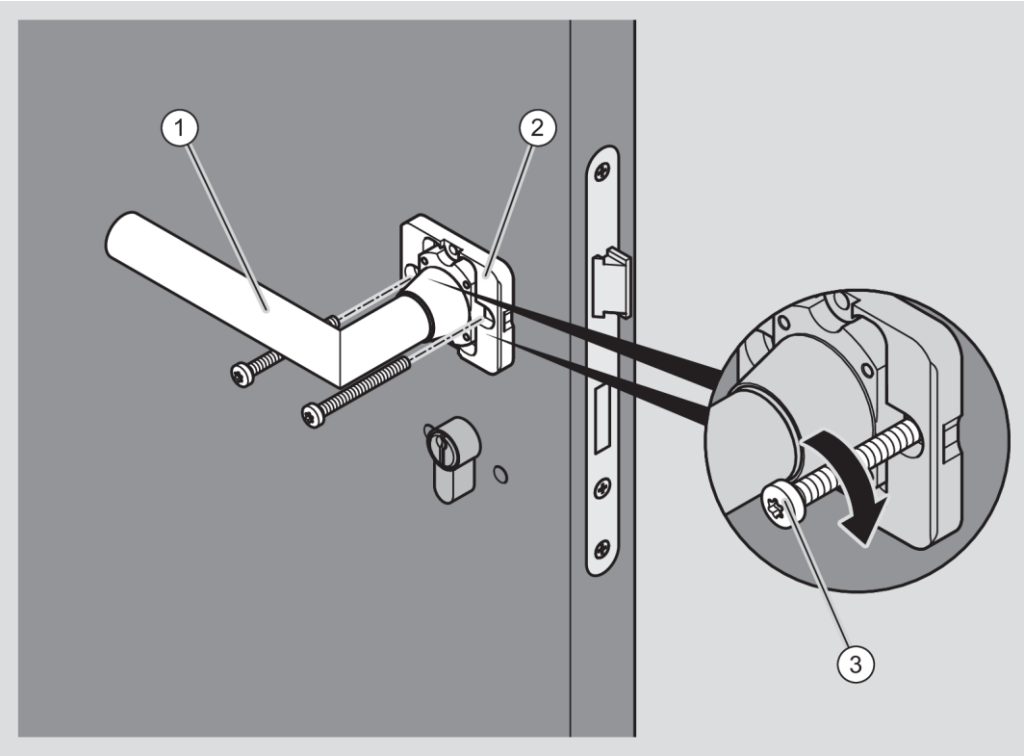
The assembly profiles are screwed down to both sides of the door. Threads are provided in the outer assembly profile and in the outer cover for this

purpose. The inner assembly profile is attached with long screws that are screwed into the threads.

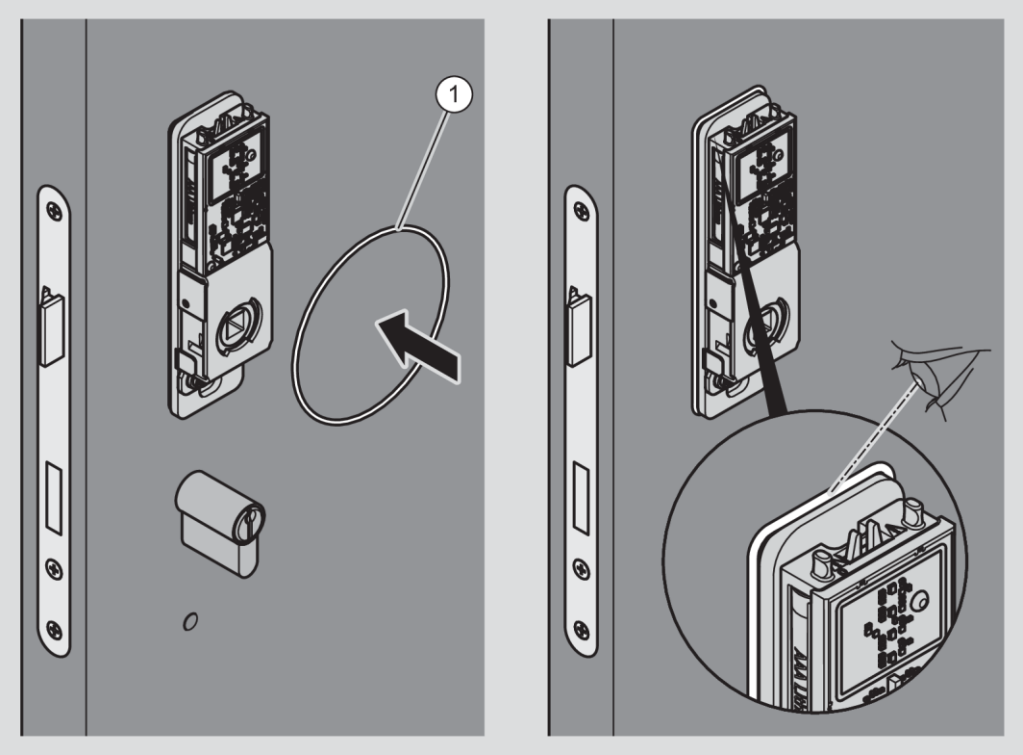
▶ Press the assembly profile against the outer door leaf as far as it will go.



- ▶ Press the assembly profile of the inner lever handle rosette onto the door leaf.
- ▶ Insert the two long screws (2) through the drill holes in the assembly profile (1) of the lever handle rosette and into the holes as shown.
- ▶ Screw the long screws into the threads of the outer assembly profile so that they are hand-tight.
- ▶ Check the lever handle for ease of movement.
- ▶ Loosen the long screws slightly if the lever handle does not move easily.

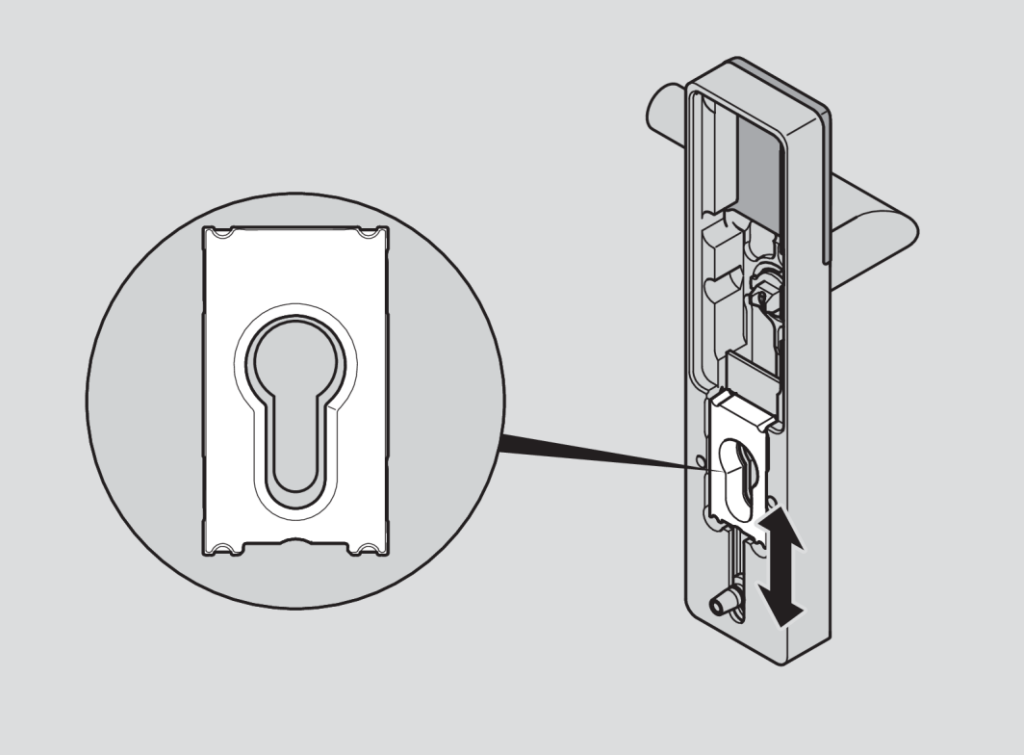


- ▶ Pull the sealing ring (1) over the outer assembly plate.
- ▶ Make sure that the sealing ring is correctly placed in the groove on the edge of the assembly plate.

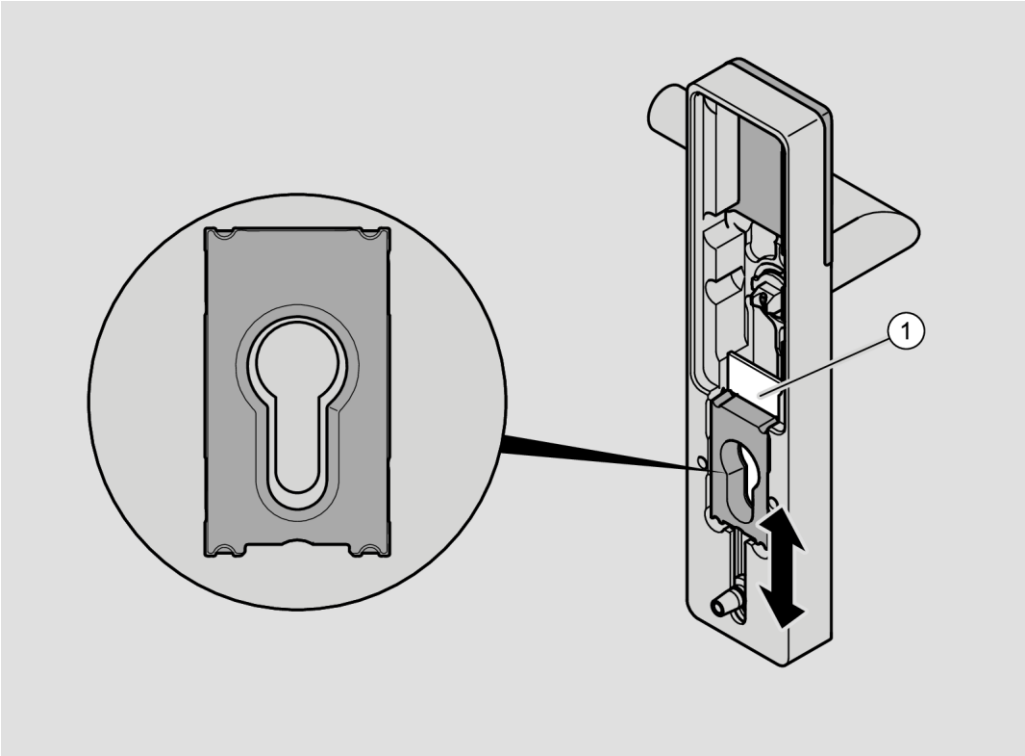


▶ Roughly slide the locking cylinder's drilling protection into the desired position.

ⓘ The drilling protection is precisely aligned by the bevelled edges when the handle is placed on the assembly plate.



The drilling protection on a dummy handle has a closed cover (1) without an opening for a locking cylinder. The drilling protection for a dummy handle is aligned in the same way. Furthermore, the installation of dummy handles is no different from handles with a locking cylinder.

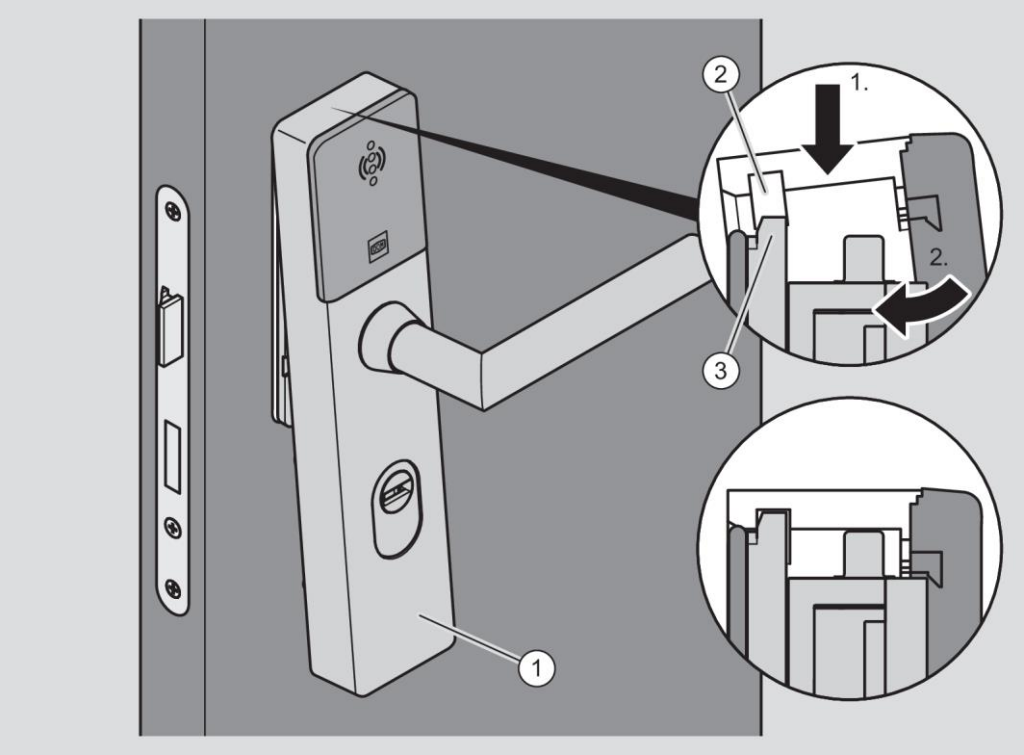


▶ Place the outer handle (1) on the top of the assembly plate (1.) as shown.

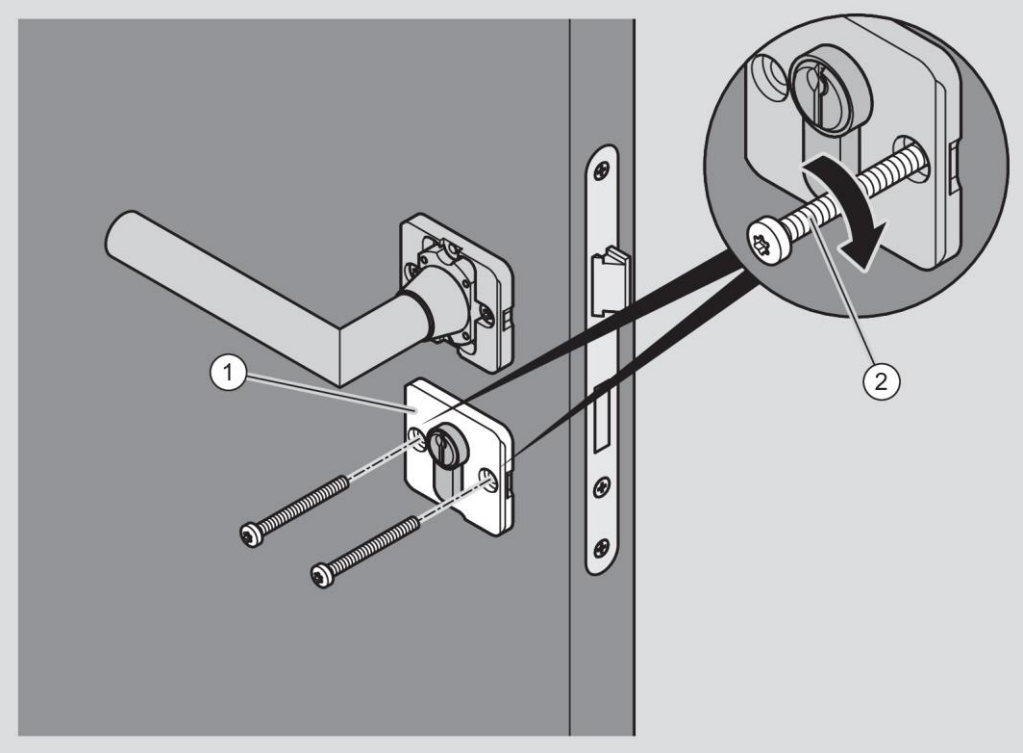
The groove (2) in the outer handle must click into place over the lug (3) in the assembly plate.

▶ Press the outer handle against the assembly plate (2.) with a swivelling movement at the bottom.

ⓘ The drilling protection is precisely aligned. Once the cover has been fitted, the core pulling protection rosette lies flush against the face of the locking cylinder.



- ▶ Press the assembly profile on the inside of the door onto the door leaf.
- ▶ Insert the two long screws (2) through the guide slots on the assembly profile (1) of the cylinder rosette into the drill holes of the door as shown.
- ▶ Tighten the two long screws so that they are hand-tight.



ATTENTION!	
	It is possible to damage the surface of the lever handle when fitting the cover. ▶ Do not use any force when installing the covers of handles. ▶ Twist the cover round the lever handle while fitting in order to avoid contact. ▶ Ensure that the cover and the lever handle do not touch when fitting the cover.

ⓘ A GUARD S Slimline is presented in the section below. The procedure for other handles is the same as the one described here.

ATTENTION!	
	The cover may be deformed by forceful pressing. ▶ Press the cover carefully until it clicks into the locking points. ▶ Use the ball of the hand to strike the edge of the cover lightly if necessary.

▶ Place the lever handle rosette on the upper assembly profile (1.) as shown.

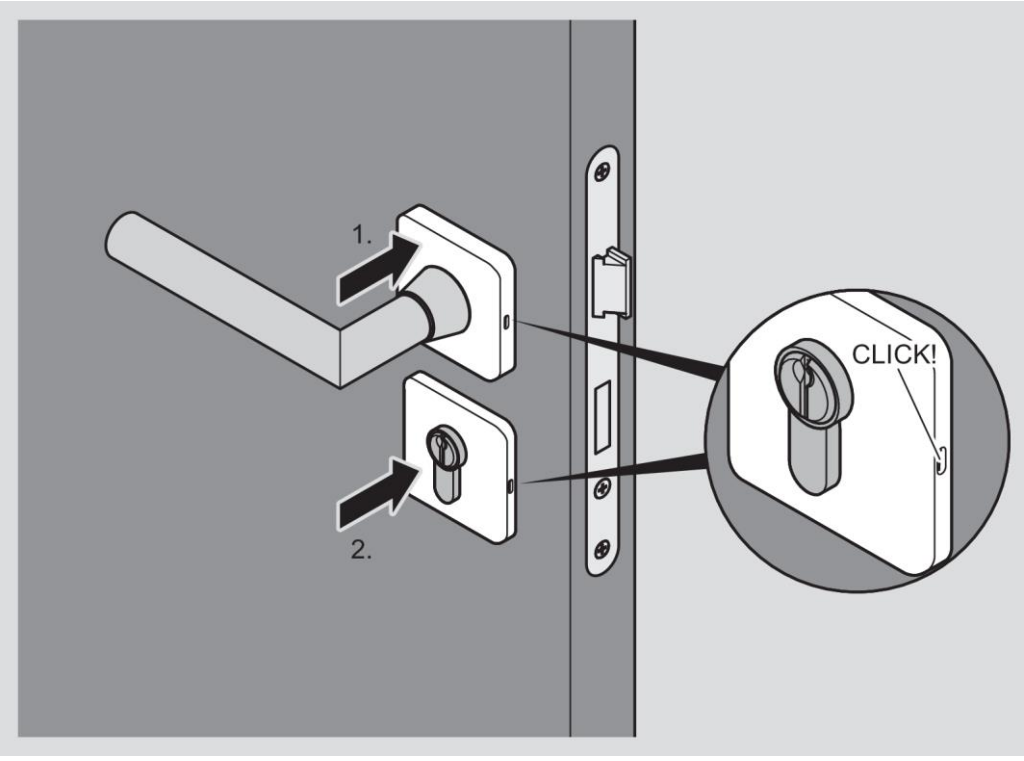
If necessary, twist the lever handle rosette when positioning it.

▶ Press the lever handle rosette sideways onto the assembly profile until the locking point of the cover rests against the locking point of the assembly profile.

▶ Press the other side of the cover onto the assembly profile so that the locking point audibly clicks into place.

▶ Place the cover of the cylinder rosette on the lower assembly profile (2.) in the same way.

▶ Press the other side of the cover onto the assembly profile so that the locking point audibly clicks into place.



Combination: GUARD S with third-party handle

Always install the lever handle fittings/rosettes first for two-part handles. Only install the cylinder rosettes once the lever handle fittings/rosettes have been installed.

Before attaching the handle, you must attach the spindle to the handle.

ⓘ The lever handle is assembled on the electronic handle at the factory.
The alignment of the lever handle is described from page 37 onwards.
A description of how to attach the spindle is provided from page 38 onwards.
A description of how to attach the spindle with reducing bushes is provided from page 40 onwards.

You can combine the handles of the GUARD S family with third-party handles. Individual handles can also be supplied for this purpose in addition to the handle sets. The assembly does not otherwise differ from the procedure described above.

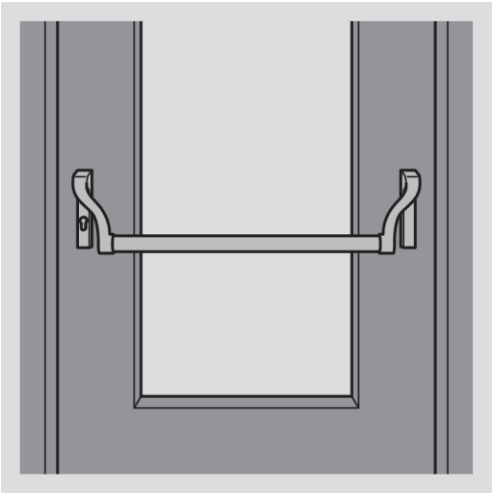
The manufacturer cannot guarantee compatibility with third party handles and the security function of the GUARD S.

- ▶ Before starting assembly, check whether the third-party handles can be assembled with the GUARD S handles without any problems.
- ▶ Refer to the appropriate section for each handle variant and attachment method for instructions on assembling the handles.

Using the GUARD S outer handle with third-party handles will invalidate the security function.

GUARD S in escape and rescue routes

An example of this is the combination of a Guard S handle on the outside with a panic lock and panic bar on the inside.



⚠ WARNING	
	Serious injury or death possible as a result of handle not working properly due to inappropriate assembly or maintenance Improperly assembled or maintained handles can impair the function of escape and fire doors in emergencies. This can result in serious or fatal injuries. ▶ Only have handles on escape doors and fire doors installed by specialist staff. ▶ Additionally, observe and follow the instructions issued by the respective door, lock and lever handle manufacturer. ▶ Replace the handles on escape and rescue doors once the maximum number of closing cycles specified on the data sheet has been reached. ▶ Only have maintenance work on handles on escape doors and fire doors carried out by specialist staff.

⚠ WARNING	
	There is a potential risk of severe or fatal injuries in the event of malfunctions. When using handles of the GUARD S family in escape and rescue routes, malfunctions may result from incompatibility with the lock or panic bar. This can have an impact on the possibility of escape or rescue and thus result in serious or fatal injuries. ▶ Ensure that the GUARD S handle is compatible with the lock and the panic bar, if necessary. ▶ It is essential that you check the certificates provided by the lock manufacturer in this regard.

Using handle

Putting the handle into operation

ⓘ In order to put the handle into operation without using the app or software, you require the master card for setting the affiliation with the system. Setting the affiliation with the system must be undertaken once for each handle. Make sure that the master card is protected against unauthorised access. If the master card is lost, you must pay a fee to have the handle reset in the factory and newly programmed. Contact your dealer for this purpose.

ⓘ Programming with the master card and the programming card is carried out on each handle. Only perform programming when the door is open, so that you do not lock yourself out.

ⓘ The cylinder automatically detects transponders when they approach the handle's reading field. In rare cases, interference fields or the use of transponders that are not approved by DOM Sicherheitstechnik can lead to transponders not being detected.

➢ Only use transponders which are approved by DOM Sicherheitstechnik for use with the handle.

➢ Hold the transponder right on the reading field of the handle.

➢ If the transponder is nevertheless not recognised, make sure that no interferences have an effect on the handle.

ⓘ The handle is in the mode "Permanently open" on delivery. You can open the door without holding a transponder to the reading field.

➢ You must put the handle into operation in order to use the security function of the handle.

ⓘ You can find further information about putting into operation, programming and use in the instructions for use for the programming medium used which are supplied.

Proceed as follows to initialise the handle:

▶ Briefly hold the master card in front of the respective reading field.

The yellow LEDs light up once for a long time. Then the handle signals its initialisation by means of the short red, green, yellow and blue signal sequence and then by the long yellow signal sequence. The handle restarts following successful initialisation. The handle can then be programmed with the master card, programming card or software and app products.

ⓘ If the handle reads on both sides, programming on each handle is independent. The closing devices' permission can be programmed differently on both sides.

▶ If the handle reads from both sides, repeat the procedure on the other handle.

Creating a transponder

ⓘ The reading field automatically detects transponders when they approach the reading field. In rare cases, environmental influences in the form of interference fields or the use of transponders that are not approved by DOM Sicherheitstechnik can lead to transponders not being detected.

Proceed as follows to create the transponder:

▶ Hold the master card in front of the respective reading field.

The LEDs light up blue once for a long time.

The LEDs briefly light up green. The master card is accepted.

▶ Briefly and individually hold each transponder directly in front of the respective reading field and wait briefly for the signalisation.

The LEDs each briefly light up green. Addition of the transponder is signalled. Programming is completed after approx. five seconds (time-out) or by showing the master card (MID) again. The LEDs light up blue for a long time.

Cleaning handle

ATTENTION!	
	Damage to handle caused by the use of incorrect cleaning agents. ▶ Clean the covers and closing devices with a lightly wetted leather cloth without using any cleaning agent.

▶ If necessary clean the handle with a lightly wetted leather cloth without using any cleaning agent.

▶ During this process you must ensure that no moisture can make its way into the handle.

Changing batteries

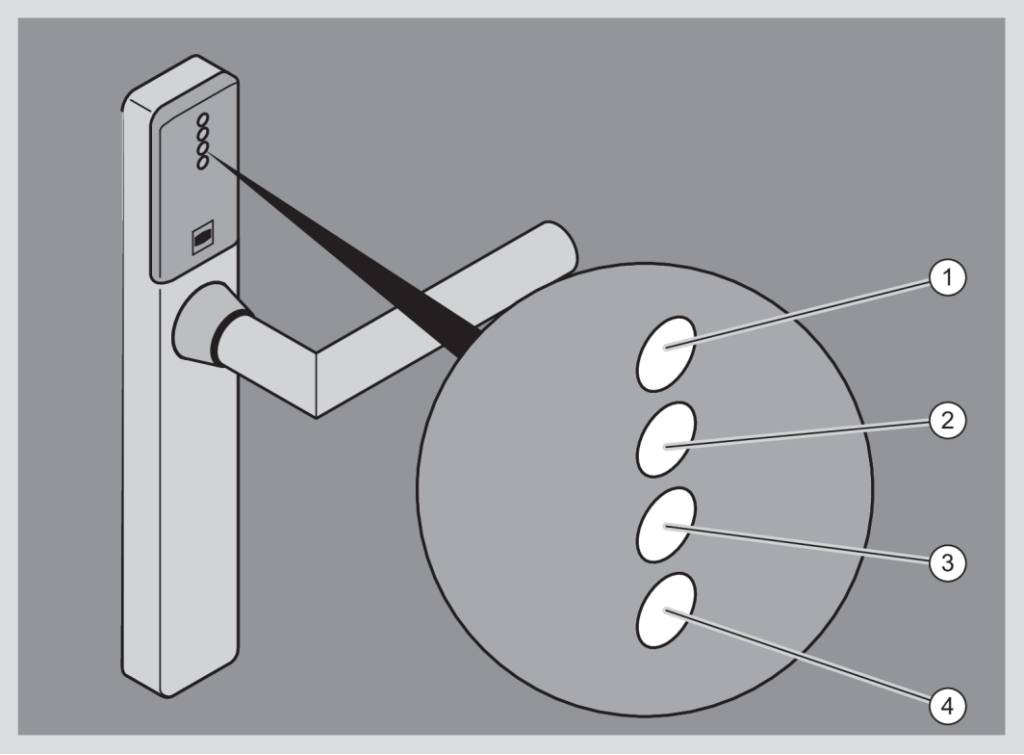
The battery compartment is only accessible when the outer cover is removed. The following steps are necessary for this:

- ▶ Remove the cover from the handle on the inside of the door (or handle of the locking cylinder if it is a rosette handle).
- ▶ Loosen the lower long screw(s).
- ▶ Lift off the outer cover at the bottom and remove it from the assembly profile.

You can now remove the battery compartment with the batteries.

ⓘ You can find information about the service life of the batteries which are supplied in the associated data sheets. The batteries can be supplied as accessories or they are available from specialist retailers.
Batteries which are not acquired from DOM may have a shorter service life. In this case DOM will not provide any guarantee for the battery life or the number of possible locking cycles.

The LEDs on the reading field display too low a level of the batteries as well as operating information. All four LEDs light up simultaneously for this purpose 1 – 2 – 3 – 4.



If the batteries are too low, this is indicated in three stages on the LEDs as follows:

Battery warning level 1

If the batteries will run flat soon, battery warning level 1 will be displayed as soon as you hold a transponder to the reading field. At battery warning level 1, all four LEDs light up as follows:

- All LEDs light up yellow for a long time
- All LEDs briefly light up red
- All LEDs briefly light up yellow
- All LEDs briefly light up red
- All LEDs briefly light up yellow
- All LEDs briefly light up red
- All LEDs light up yellow for a long time

Indicators at battery warning level 1

The LEDs then briefly light up green one after the other. You can open the door. You can operate the handle around 1,000 times before the next battery warning level is indicated.

▶ Inform the responsible person that the batteries in the handle have to be replaced soon.

Battery warning level 2

If the batteries will run flat shortly, battery warning level 2 will be displayed as soon as you hold a transponder to the reading field. At battery warning level 2, all four LEDs light up as follows:

- All LEDs light up yellow for a long time
- All LEDs briefly light up red
- All LEDs briefly light up yellow
- All LEDs briefly light up red
- All LEDs briefly light up yellow
- All LEDs briefly light up red
- All LEDs light up yellow for a long time
- All the LEDs light up yellow for a long time for a second time

Battery warning level 2 indicators

To be able to connect up the lever handle and open the door, you must hold the transponder to the reading field a second time.

▶ Hold the transponder to the reading field.

The LEDs briefly light up green one after the other. You can open the door. You can operate the handle around 500 times before the next battery warning level is indicated.

▶ Inform the responsible person that the batteries in the handle have to be replaced.

Battery warning level 3

When the batteries are almost flat, battery warning level 3 will be displayed as soon as you hold a transponder to the reading field. At battery warning level 3, all four LEDs light up as follows:

- All LEDs light up yellow for a long time
- All LEDs briefly light up red
- All LEDs briefly light up yellow
- All LEDs briefly light up red
- All LEDs briefly light up yellow
- All LEDs briefly light up red
- All LEDs light up yellow for a long time three times

Indicators at battery warning level 3

The door does not open.

▶ Ensure that the batteries in the handle are changed as quickly as possible.

ⓘ If the batteries are not yet completely flat, you can still open the door with the master card.

➢ Hold the master card in front of the reading field once.

You can now activate the handle and open the door.

If the batteries are completely flat, you can no longer open the door.

➢ Change the batteries.

The cover on the outside must be removed to change the batteries. You must remove the cover on the inside and unscrew the lower long screw for this purpose.

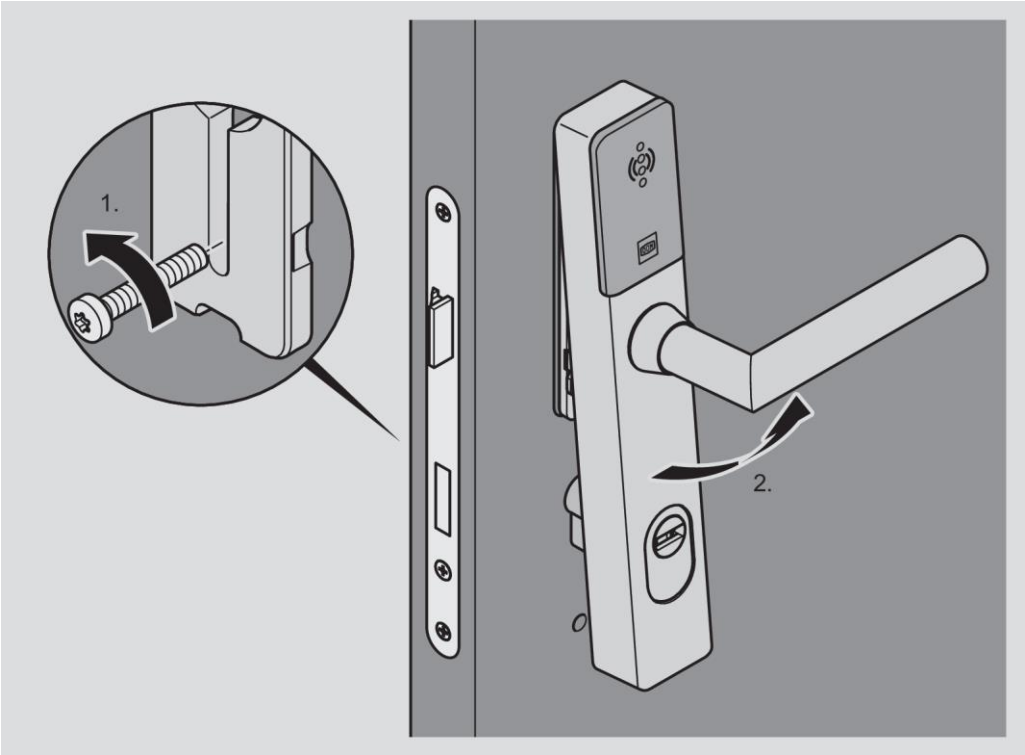
▶ Remove the mechanical cover from the inside; see page 79.

ⓘ For handles with rosettes on the inside door, only the cylinder rosette needs to be removed.

▶ Remove the lower long screw from the inside (1.).

▶ Lift the cover from the outside of the assembly profile at the bottom and remove the cover with a swivelling movement upwards (2.).

ⓘ An example of a GUARD S Slimline is presented in the section below. The procedure for other handles is the same as the one described here.



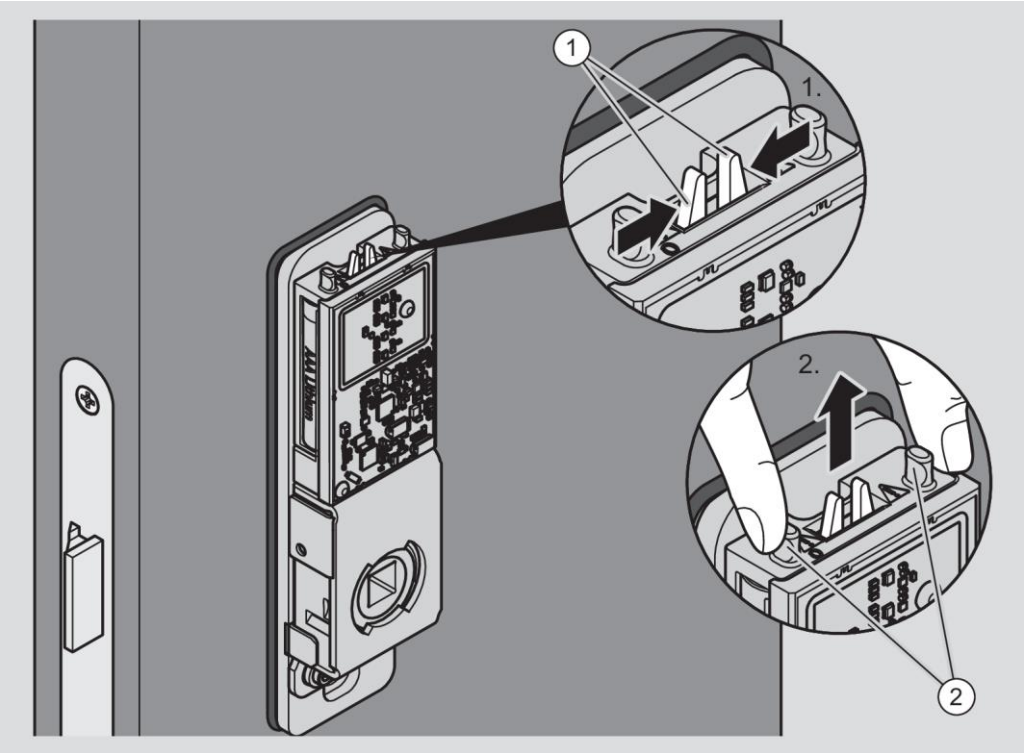
ATTENTION!	
	Damage to the electronic components of the handle due to contact possible. ▶ Do not touch the electronic components of the handle. ▶ Touch an earthed object made of metal to discharge any electrostatic charge before continuing work.

A heater or tap are examples of suitable earthed objects.

▶ Press both parts of the unlocking mechanism (1) together (1.).

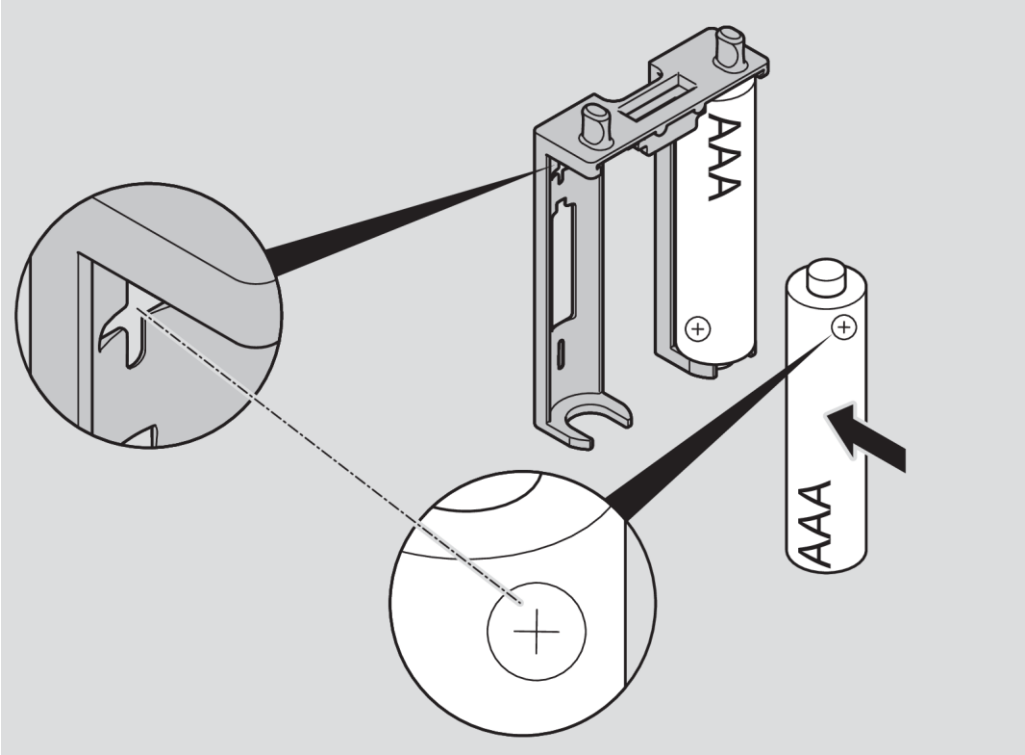
The battery holder is pressed a little way out of the battery compartment.

▶ Pull the battery holder out of the battery compartment completely using both gripping pins (2) (2.).



- ▶ Take the used batteries out of the battery holder.
- ▶ Dispose of the used batteries in line with the locally applicable regulations.
- ▶ Insert the new batteries of the same type into the battery holder with the correct polarity as shown.

ⓘ The correct polarities are marked on the battery holder.



- ▶ Hold the battery holder on the gripping pins and insert it into the battery compartment.
- ▶ Slide the battery holder carefully into the battery compartment until both parts of the unlocking mechanism audibly click into place.

You will hear a signal tone following insertion of the batteries. The LEDs briefly light up.

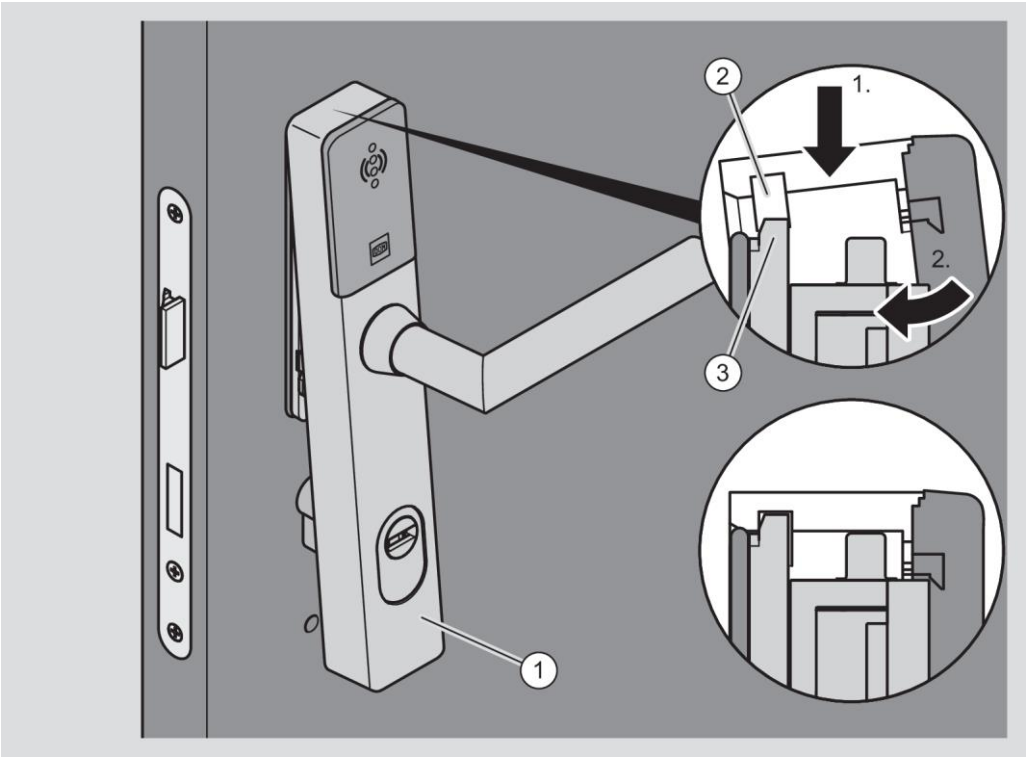
ATTENTION!	
	Damage to electronic components and malfunctions due to moisture penetration possible. ▶ Check that the sealing ring is in perfect condition and correctly seated each time before attaching the cover.

▶ Place the outer handle (1) on the top of the assembly plate (1.) as shown.

The groove (2) in the outer handle must click into place over the lug (3) in the assembly plate.

▶ Press the outer handle against the assembly plate (2.) with a swivelling movement at the bottom.

ⓘ The drilling protection is precisely aligned. Once the cover has been fitted, the core pulling protection rosette lies flush against the face of the locking cylinder.



You must press the cover onto the assembly profile until it clicks audibly into place.

ATTENTION!	
	The cover may be deformed by forceful pressing. ▶ Press the cover carefully until it clicks into the locking points. ▶ Use the ball of the hand to strike the outer edge of the cover lightly if necessary.

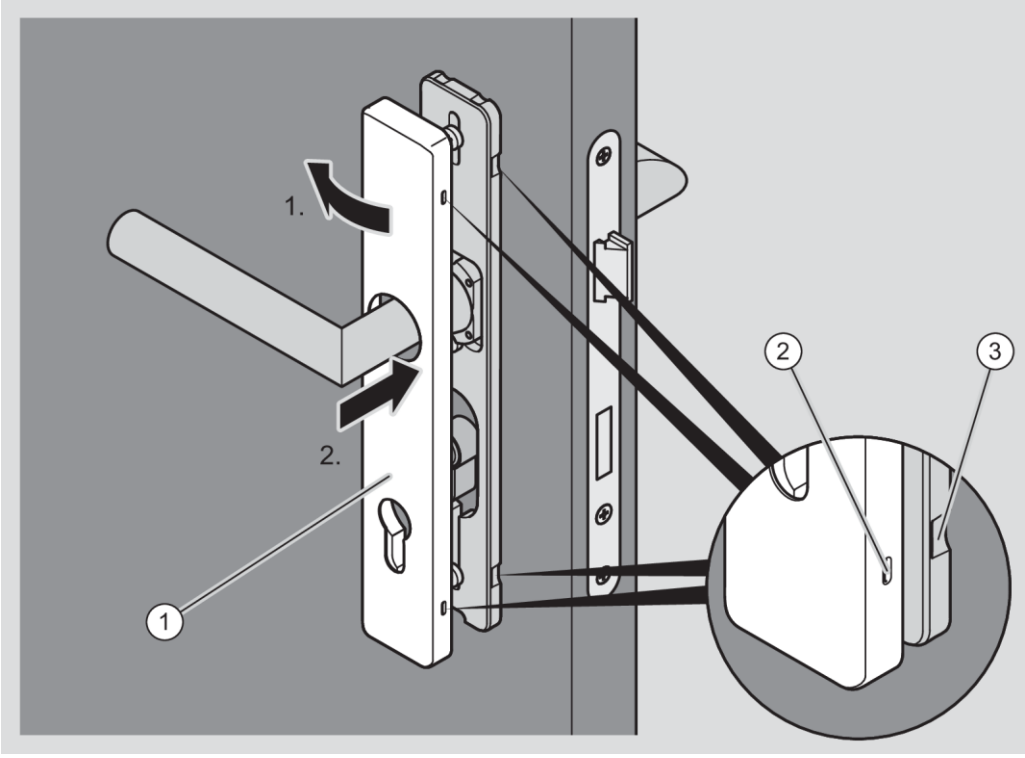
▶ Place the cover (1) over the lever handle as shown.

If necessary, twist the cover when positioning it.

▶ Press the cover laterally onto the assembly profile (1.) until the locking points of the cover (2) are in contact with the locking points of the assembly profile (3) (1.).

▶ Press the other side of the cover onto the assembly profile such that the locking points audibly click into place (2.).

ⓘ The diagram below shows an example of attachment. Notes on attachment for the individual variants can be found in the chapter “Installing handle” from page 44 onwards.



ATTENTION!	
	Loss of date and time possible following a battery change. The loss of date and time can hamper or block the correct application of authorisations with schedules. ▶ After changing batteries, use the app or software to check whether the date and time are still up-to-date. ▶ Correct the date and time if necessary.

Date and time are only relevant for use with the app or software.

Following use

Removing handle

The removal of the handles is in principle in the reverse order to the assembly. Proceed as follows:

- Remove the cover and/or rosettes on the inside of the door.
- Check whether you can loosen all screw connections.
- Remove the cover and/or rosettes on the outside of the door if necessary.

▶ Make sure that the tool required and material are in place.

You require the following tools:

- TORX25 screwdriver for screwing the lever handle and halves of the handle
- Rosette lifter for lifting the covers of the mechanical handle
- Long nose pliers for removing adapter sleeves

You require the following material for lifting mechanical covers or covers for rosettes:

- Protective cover for door (cardboard or film) for levering on the door with the rosette lifter

The tool and the material are not included in the scope of supply.

Remove mechanical cover and rosettes

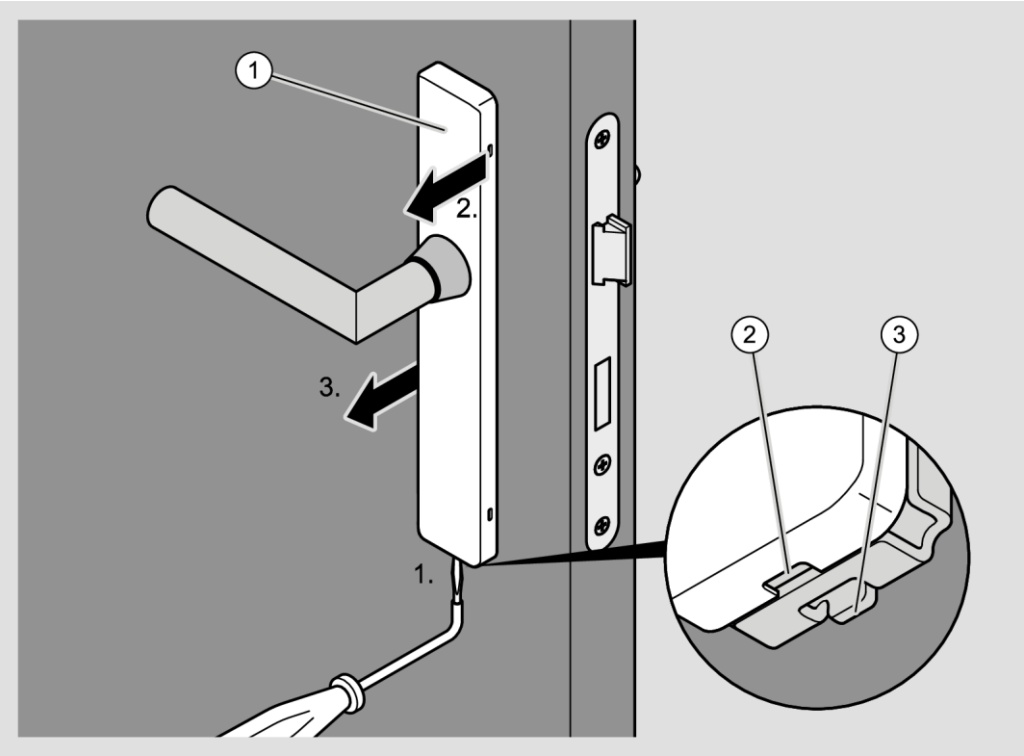
ATTENTION!	
	Damage to the door is possible when opening with a rosette lifter. ▶ Do not use any force when opening the covers for mechanical handles. ▶ Cover the door prior to removing the cover.

You can use a stable film or cardboard to cover the door for example.

ATTENTION!	
	It is possible to damage the surface of the lever handle when removing the cover. ▶ Do not use any force when removing covers from handles. ▶ Twist the cover round the lever handle while pulling it off in order to avoid contact.

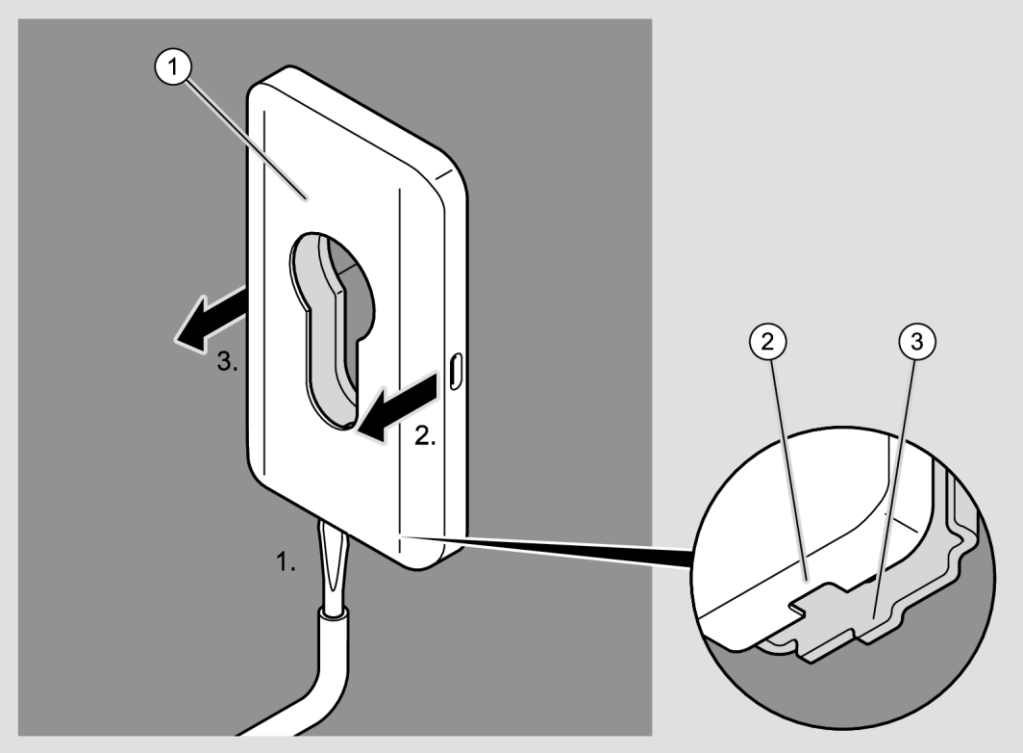
The cover is attached to the assembly profile with lateral catches. To release the catch, insert a rosette lifter between the recess (2) in the cover and the clip (3) on the assembly profile.

- ▶ Release the lateral locking points of the cover (1) from the locking points of the assembly profile with a rosette lifter (1.).
- ▶ First of all release the catches on one side of the cover (2.)
- ▶ Then release the catches on the other side of the cover (3.)
- ▶ Take the cover away from the assembly profile while twisting carefully.



The cylinder rosette is attached to the assembly profile with lateral catches. To release the catch, insert a rosette lifter between the recess (2) in the cylinder rosette and the clip (3) on the assembly profile.

- ▶ Release the lateral locking points of the cover (1) from the locking points of the assembly profile with a rosette lifter (1.).
- ▶ First of all release the catches on one side of the cylinder rosette (2.).
- ▶ Then release the catches on the other side of the cylinder rosette (3.).
- ▶ Take the cylinder-rosette away from the assembly profile while twisting carefully.



Taking away cover of electronic handle

ATTENTION!	
	It is possible to damage the surface of the lever handle when removing the cover. ▶ Do not use any force when removing covers from handles. ▶ Twist the cover round the lever handle while pulling it off in order to avoid contact.

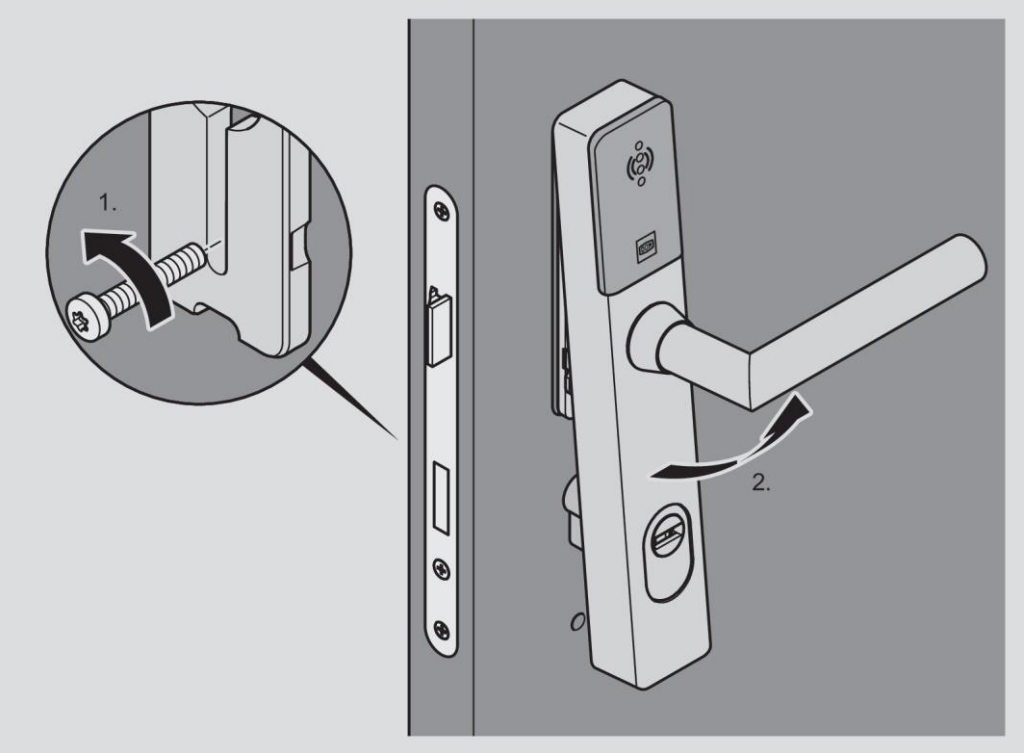
ATTENTION!	
	Damage to the electronic components of the handle due to contact possible. ▶ Do not touch the electronic components of the handle. ▶ Touch an earthed object made of metal to discharge any electrostatic charge before continuing work.

A heater or tap are examples of suitable earthed objects.

ⓘ An example of a GUARD S Slimline is presented in the section below. The procedure for other handles is the same as the one described here.

▶ Remove the lower long screw from the inside (1.).

▶ Lift the cover from the outside of the assembly profile at the bottom and remove the cover with a swivelling movement upwards (2.).



Removing assembly profiles

The assembly profiles of the handle are removed in the reverse order to assembly.

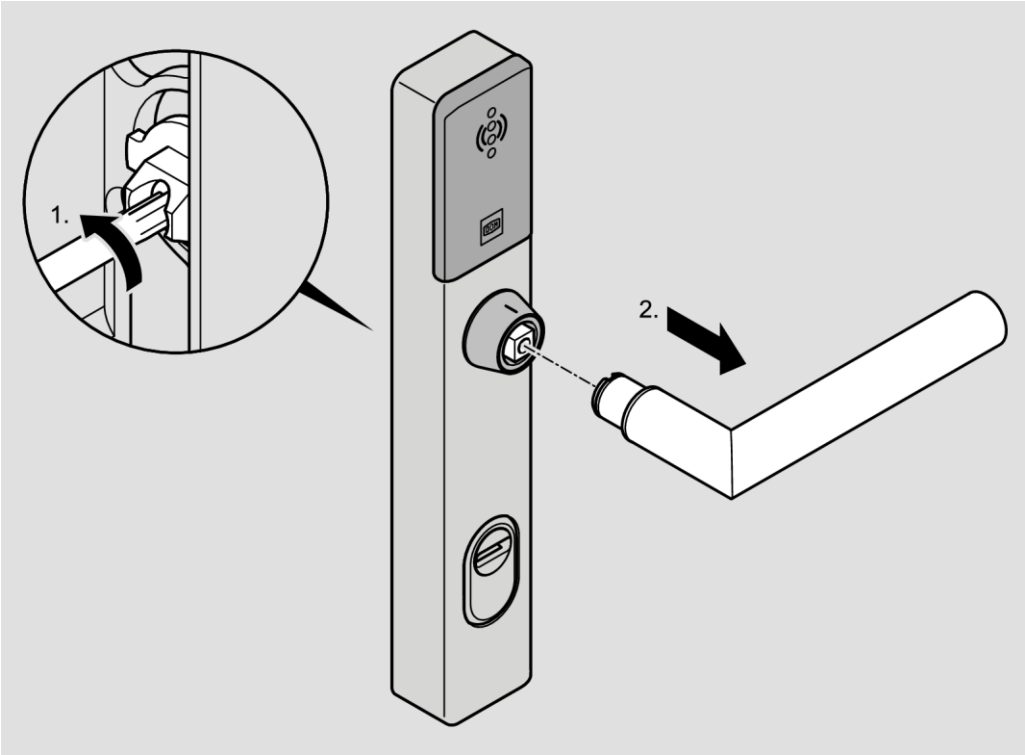
- ▶ Remove the attachment screws of the assembly profiles.
- ▶ Remove the assembly profiles from the door.
- ▶ Remove any adapter sleeves which may be present with long nose pliers.

Removing spindle

- ▶ Undo the grub screw on the spindle.
- ▶ Pull the spindle out of the coupling nut.
- ▶ Remove any adapter sleeves which may be present with long nose pliers.
- ▶ Screw the grub screw in a little once you have removed the outer lever handle.

Removing outer lever handle

- ▶ Remove the long screw from the handle mandrel.
- ▶ Pull the lever handle out of the lever handle bearing.



Keep removed parts safe

Please proceed as follows to store the handle prior to assembly or following use:

- ▶ Store the handle in the original packaging so that it is dry and free of dust.
- ▶ Store the handle and its electronic circuit in particular at least 15 cm away from metal objects, transponder and card coils.

Disposal of handle

Once its service life has elapsed, you can return the handle to the manufacturer in its original packaging. The manufacturer will dispose of the cylinder and the batteries it contains in an environmentally friendly manner.

Alternatively, have an approved specialist disposal company dispose of the handle. Observe and follow the applicable regulations. In case of doubt, please contact your town/city or municipal administration.

The handle is mainly made of steel. Digital handles are additionally made of the following materials:

- Plastic
- Electronic components
- Batteries

▶ Dispose of the handle in line with the locally applicable regulations or via the manufacturer.

Contact

Please consult the branch in your country directly if you have additional questions.

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