

# PROEDGE

## INSTALLATION MANUAL

**PTI** SECURITY  
SYSTEMS

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**ASSA ABLOY**

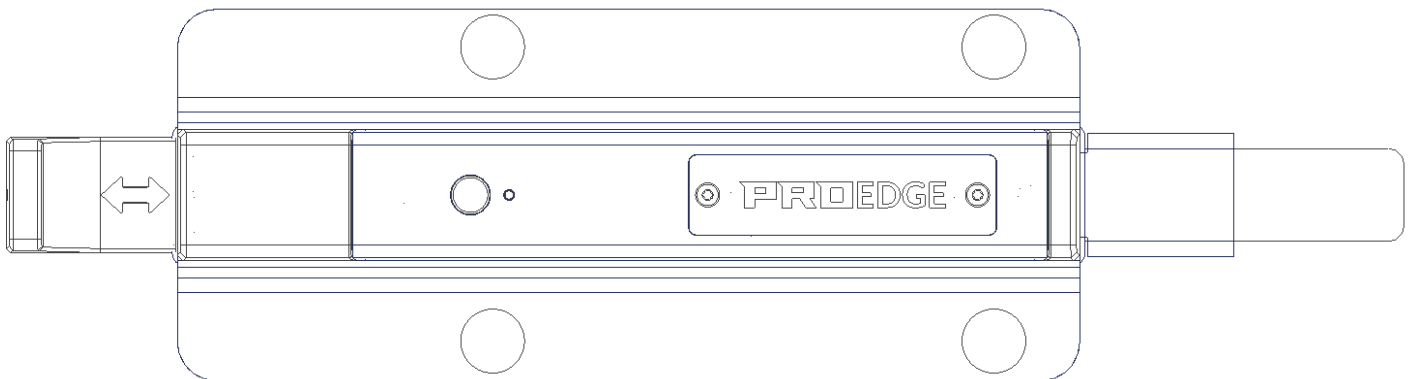
2024

# PROEDGE

## Installation Manual

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# PROEDGE Smart Lock

## INSTALLATION MANUAL

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### PROEDGE INSTALLATION MANUAL

Sales: +1.800.523.9504  
Support: +1.866.240.7602  
Web: ptisecurity.com

Rev A – November 2023

#### INTRODUCTION

This document describes the installation process of the ProEdge Smart Lock for the following door configuration(s):

##### Corrugated doors:

➔ Mini Door Series: 650, 650I, 690, 750 and 850



**Note:** This equipment has been tested and found to comply with the limits for a **Class XX** digital device, pursuant to **part XX** of the FCC rules and regulations. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.



**Note:** It is recommended to be two people to install this product.

# PROEDGE Smart Lock

## INSTALLATION MANUAL

### TOOLS REQUIRED FOR THE INSTALLATION

Allen key set		ProEdge Mounting tool (SKU:XXX)	Not Pictured
Electrical drill		10mm socket incl wrench	
Drillbits (Preferably HSS for metal)			

### Technical Specifications

Battery type	LM17500
Battery voltage	3V
Battery capacity	3AH
Battery lifetime	3 years

### General Specifications

Operating temperature	-35°C to +66°C (-31°F to 151°F)
Storage temperature	10°C to 30°C (50°F to 86°F)
Operating humidity	10%-90% RH (Non-condensing)
Storage humidity	10%-80% RH (Non-condensing)
MTBF	25.000 cycles
Expected lifetime	11 years @ 6 cycles per day
Ingress protection level	54

### Approvals

TÜV, FCC, UL, CE etc?	
Emissions?	

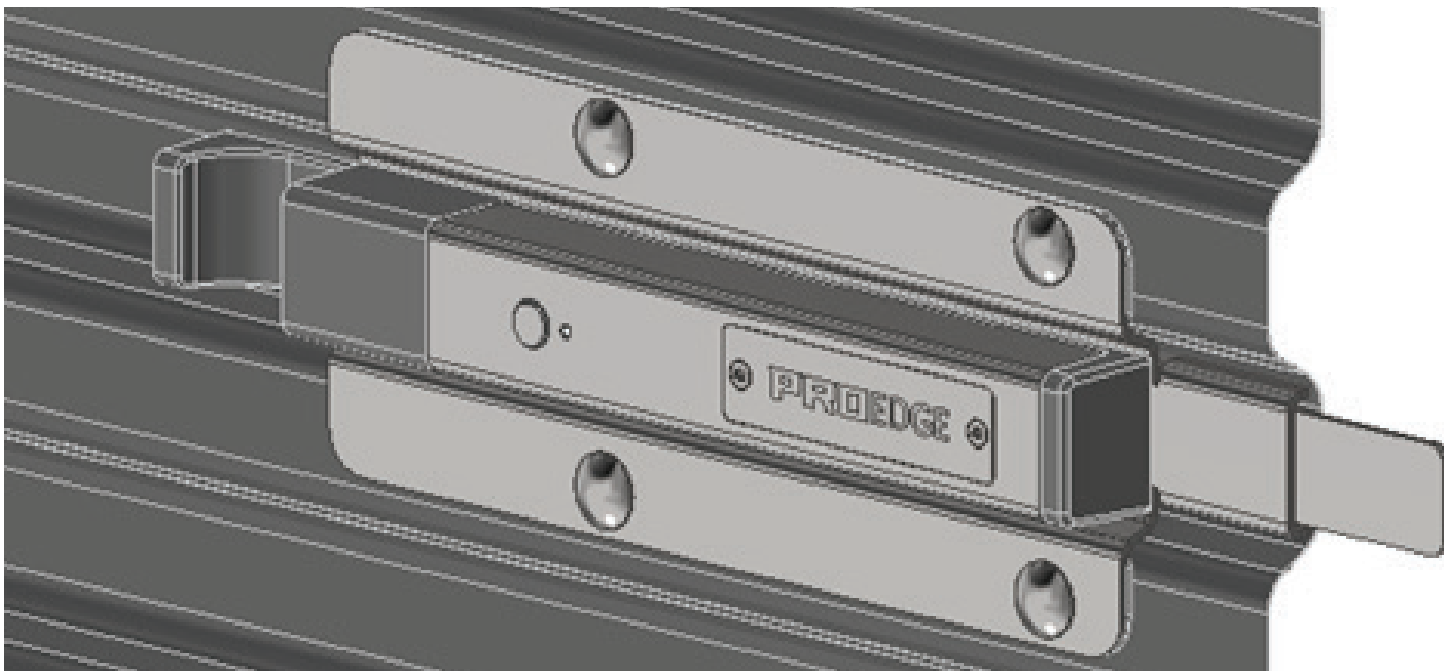
# PROEDGE Smart Lock

## INSTALLATION MANUAL | CORRUGATED DOORS

The following sections will give the reader an introduction to installing a ProEdge Smart Lock on a corrugated door for new builds and retrofits.

### THE PACKAGE FOR THIS PROEDGE SMART LOCK CONTAINS:

ProEdge smartlock assembly - for corrugated doors		Four (4) M6 form A flat washers (DIN125)	
Four (4) M6 carriage bolt (DIN 603) A4		Filt	
Four (4) M6 hexagon nylon locking nuts (DIN685) A4			



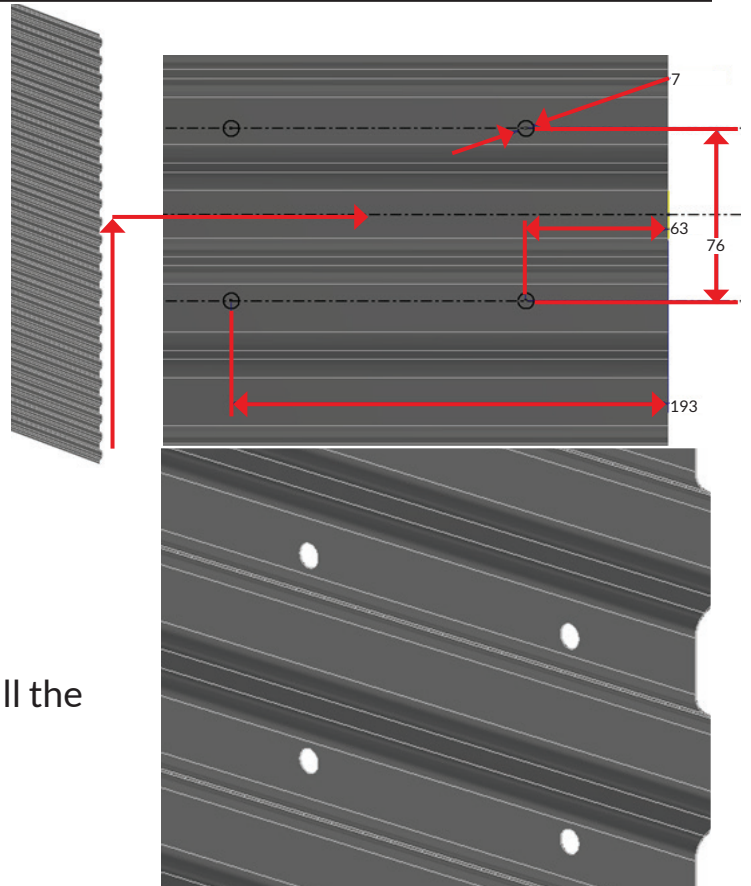
# PROEDGE Smart Lock

## INSTALLATION MANUAL | CORRUGATED DOORS

### NEW INSTALLATION ON CORRUGATED DOORS

Measure from bottom of door to centerline of the four (4) holes: 1000mm.

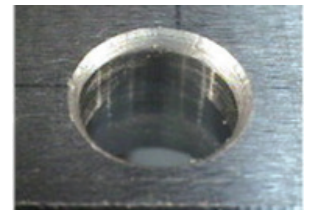
Mark the four (4) holes for the latch as per specifications.



With an electrical drill and drill bit  $\text{Ø}7\text{mm}$ , drill the four (4) holes in the door.



Note: Make sure to remove any debris/burrs on the backside where the drill penetrated.



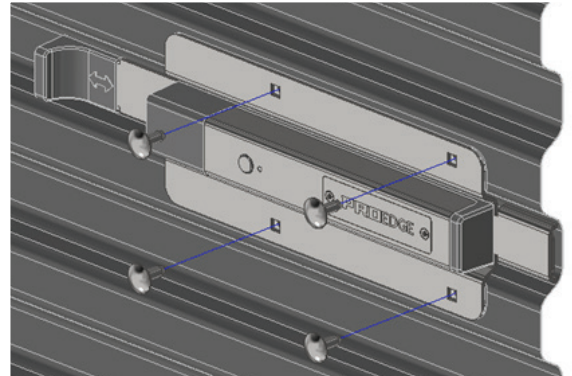
Put the lock in the “unlocked” position.



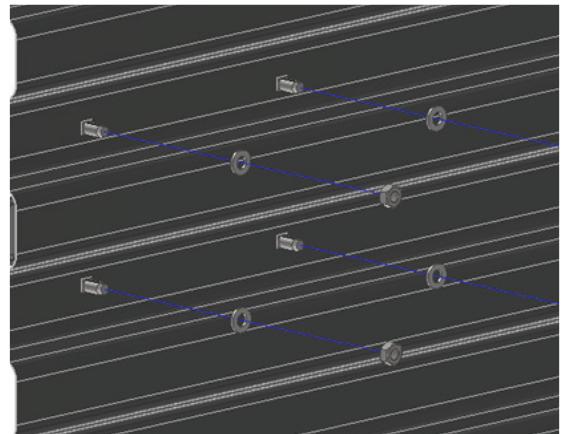
# PROEDGE Smart Lock

## INSTALLATION MANUAL | CORRUGATED DOORS

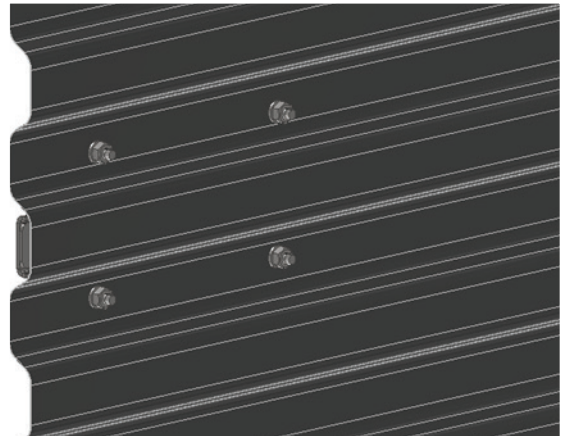
Mount the four (4) M6 carriage bolts.



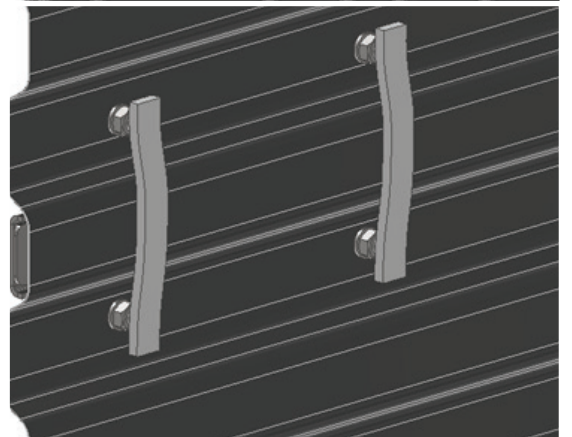
Mount the washers and nuts on the backside.



Note: All bolts and nuts must be tightened with a torque between 7Nm and 9Nm.



Apply the felt over the nuts to prevent any scratching.

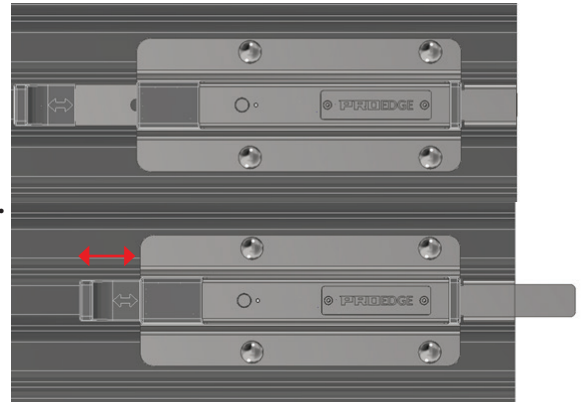


# PROEDGE Smart Lock

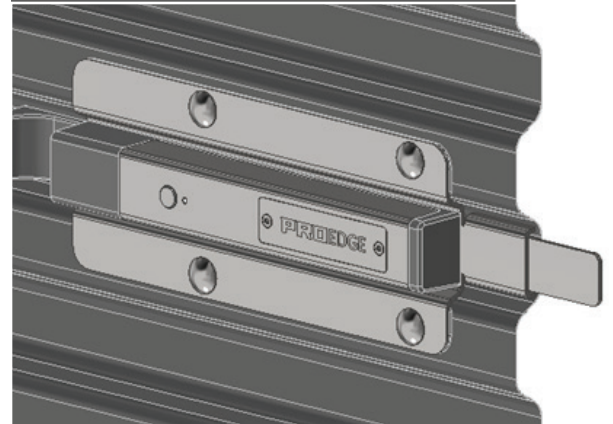
## INSTALLATION MANUAL | CORRUGATED DOORS

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Test the slider movement for any possible collisions.



The lock is now ready for comissioning.





# PROEDGE Smart Lock

## INSTALLATION MANUAL | CORRUGATED DOORS

### RETROFIT INSTALLATION ON CORRUGATED DOOR

As earlier describes, the ProEdge Smart Lock can be retrofitted on C-486 latches using the same bolt pattern.

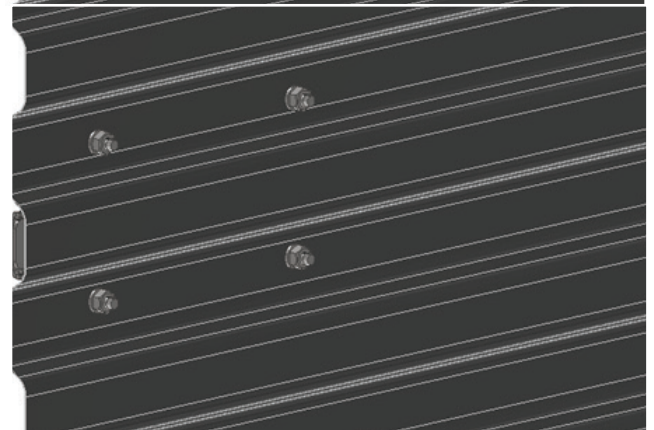
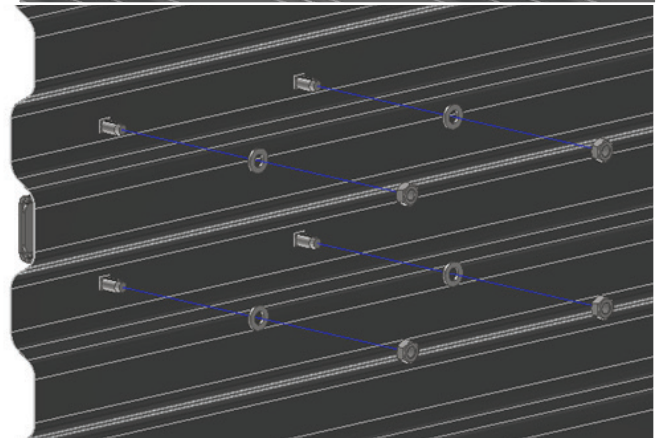
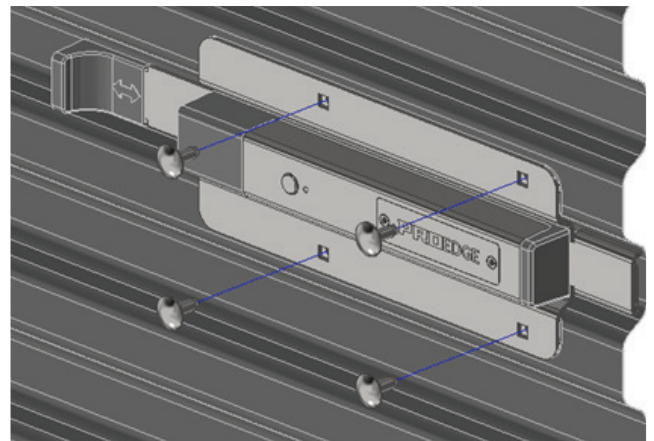
Put the lock in the “unlocked” position.

Mount the four (4) M6 carriage bolts.

Mount the washers and nuts on the backside.



Note: It is recommended to tighten all bolts and nuts with a torque between 7Nm and 9Nm



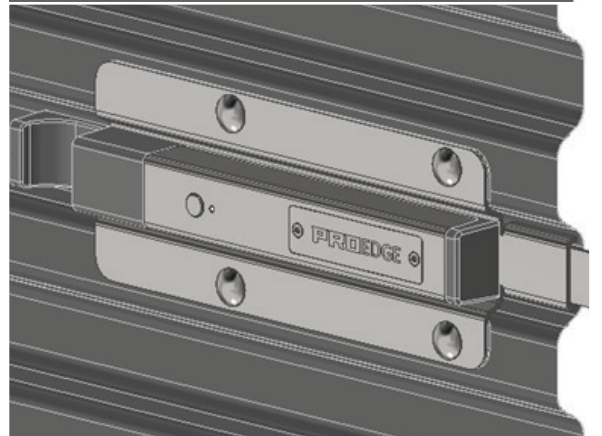
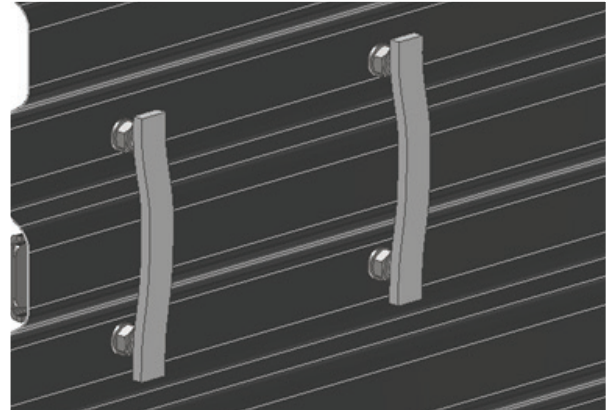
# PROEDGE Smart Lock

## INSTALLATION MANUAL | CORRUGATED DOORS

Apply the felt over the nuts to prevent any scratching.

Test the slider movement for any possible collisions.

The lock is now ready for commissioning.









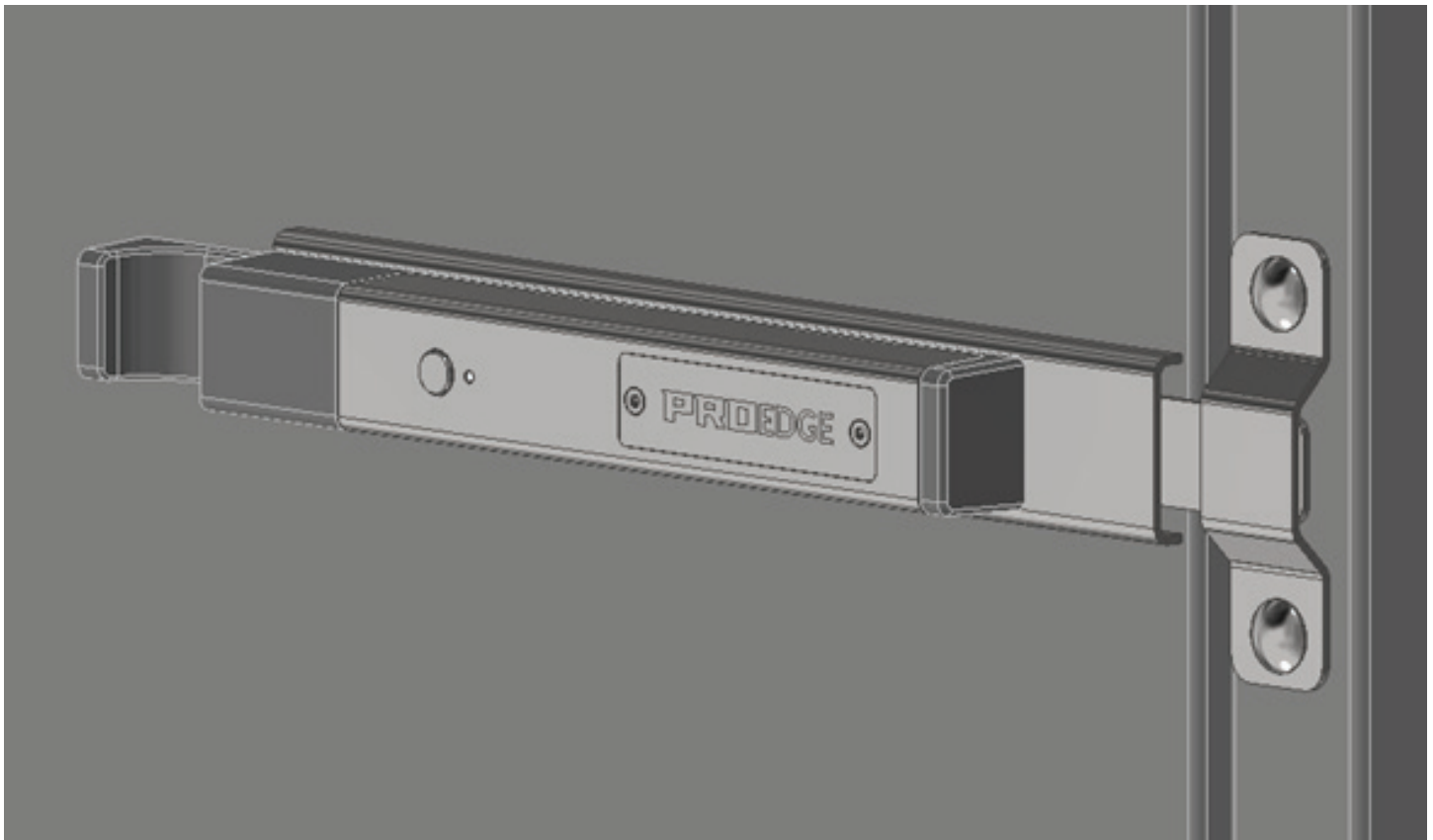
# PROEDGE Smart Lock

## INSTALLATION MANUAL | FLAT DOORS

The following sections will give the reader an introduction to installing a ProEdge Smart Lock on a flat door for new builds and retrofits.

### THE PACKAGE FOR THIS PROEDGE SMARTLOCK CONTAINS:

(1) ProEdge smartlock assembly		(1) Backplate	
(1) Strike		(2) M6 carriage bolt (DIN 603) A4	
(2) M6 hexagon nylon locking nuts (DIN685) A4		(2) M6 form A flat washers (DIN125)	



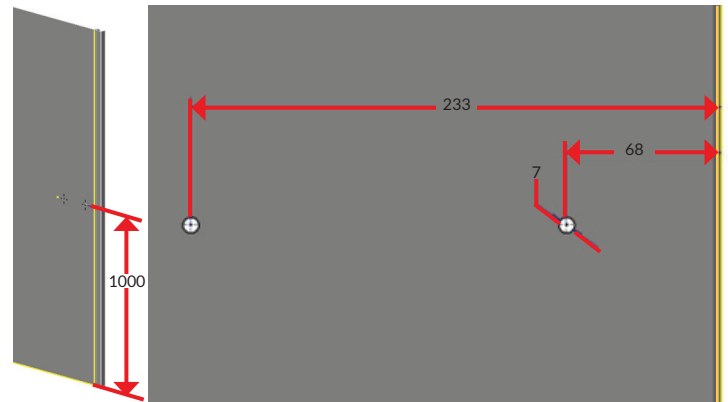
# PROEDGE Smart Lock

## INSTALLATION MANUAL | FLAT DOORS

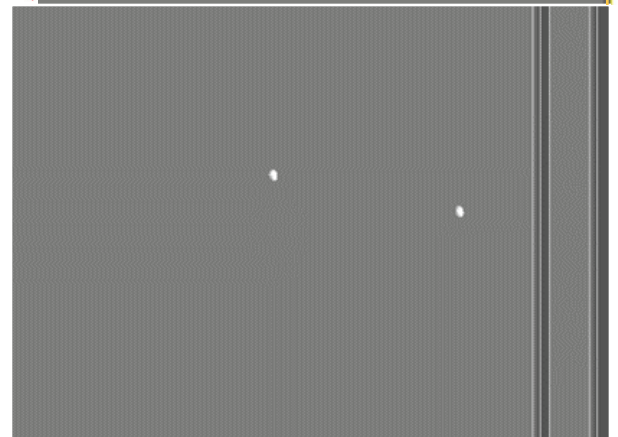
### NEW INSTALLATION ON FLAT DOORS

Measure from bottom of door to centerline of the 2x holes: 1000mm.

Mark the 2x holes for the latch as per specifications to the edge of the door (Yellow line).



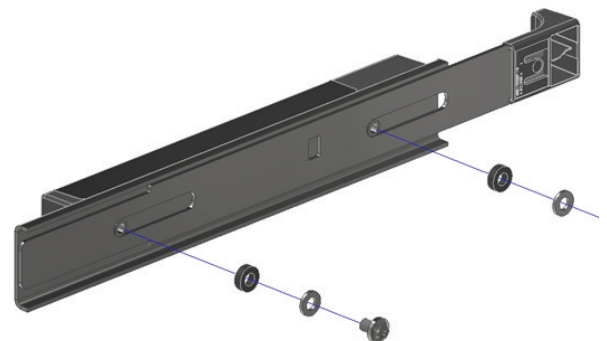
With an electrical drill and drill bit  $\varnothing 7\text{mm}$ , drill the 2x holes in the door.



Note: Make sure to remove any debris/burrs on the backside where the drill penetrated.



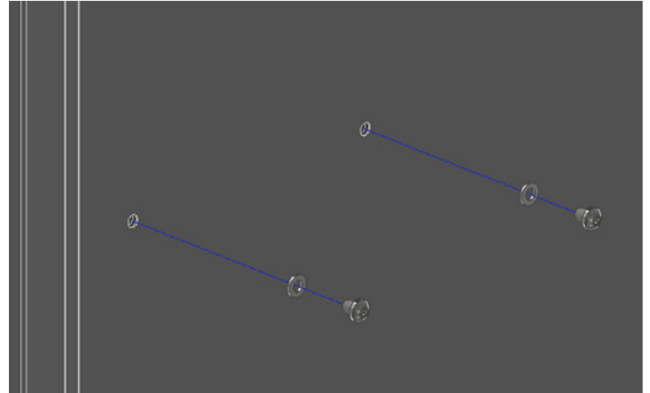
Demount the 2x M6 bolts, washers and spacers



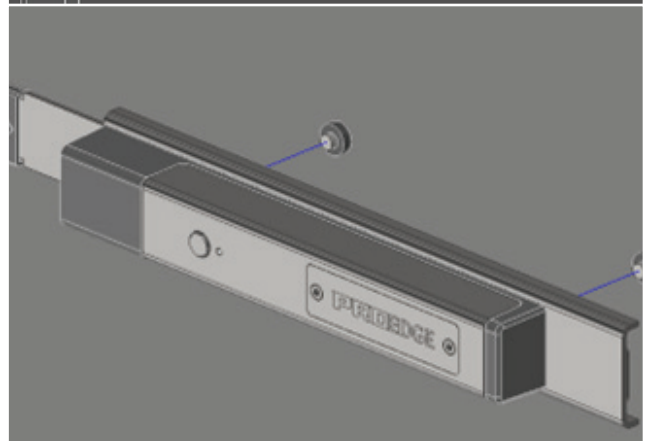
# PROEDGE Smart Lock

## INSTALLATION MANUAL | FLAT DOORS


From the back of the door, put the M6 bolts through the washers and door

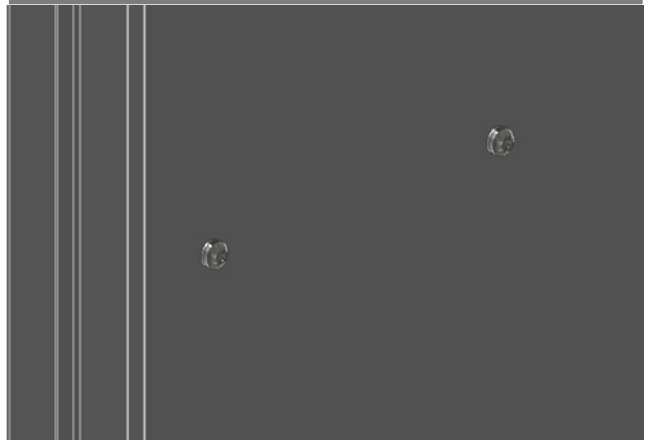


From the front of the door, mount the spacers and lock



Tighten the bolts

 Note: All bolts and nuts must be tightened with a torque between 10Nm and 12Nm



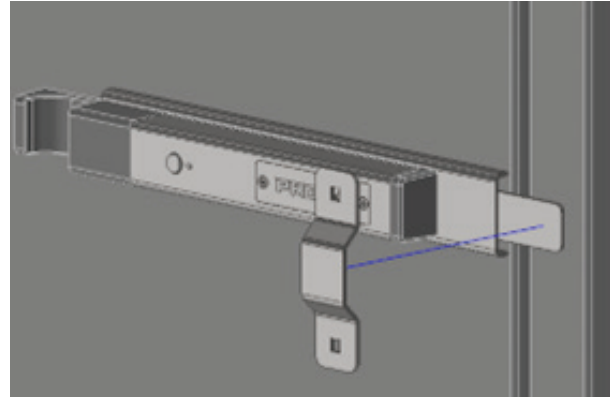
Put the lock in the “locked” position



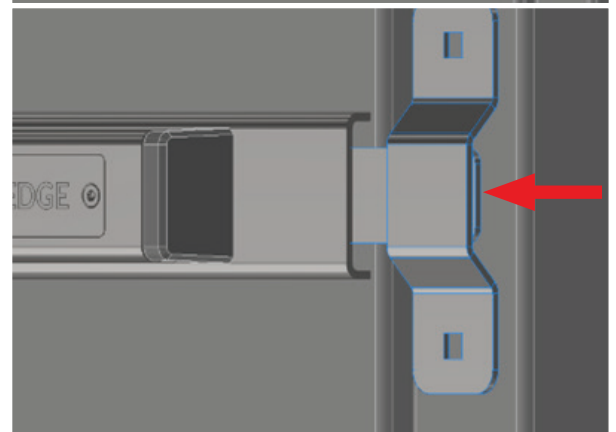
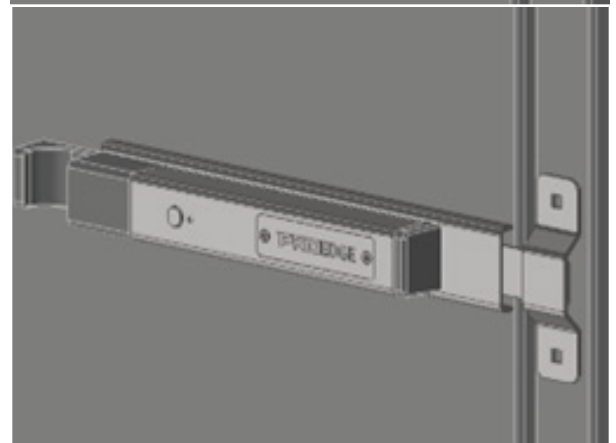
# PROEDGE Smart Lock

## INSTALLATION MANUAL | FLAT DOORS

Put the Strike plate on top of the slider



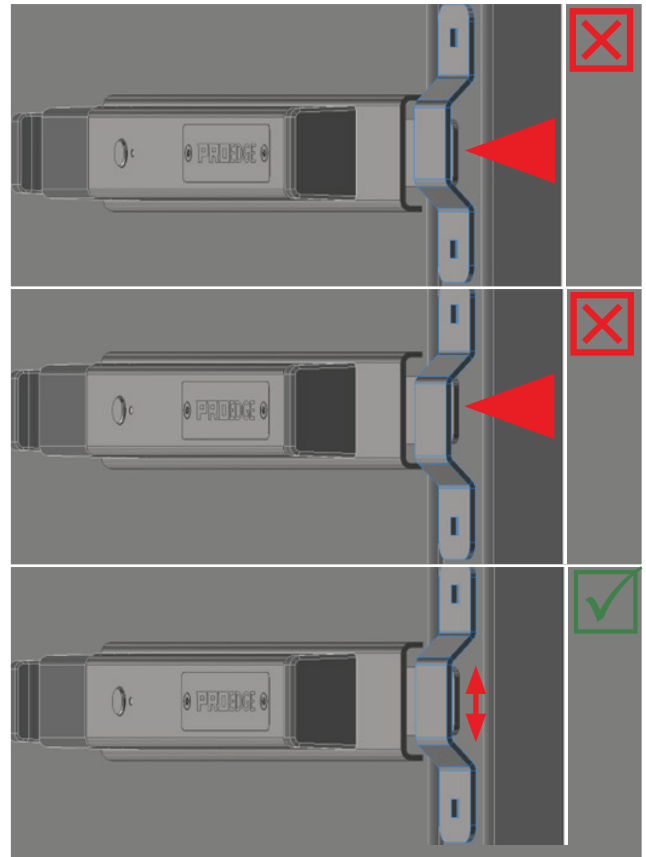
Align the strike horizontally – it must be flush with the end of the slider



# PROEDGE Smart Lock

## INSTALLATION MANUAL | FLAT DOORS

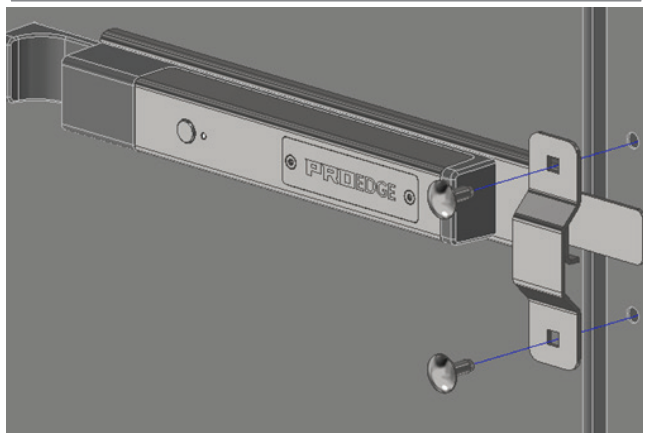
Align the strike horizontally – it must be centered



Mark the 2x holes



Remove the strike and drill with a 7mm drill

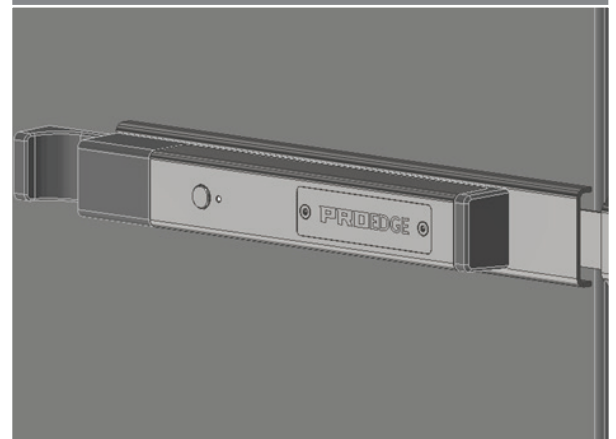
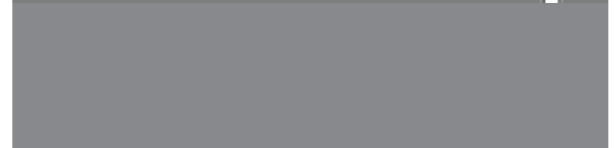
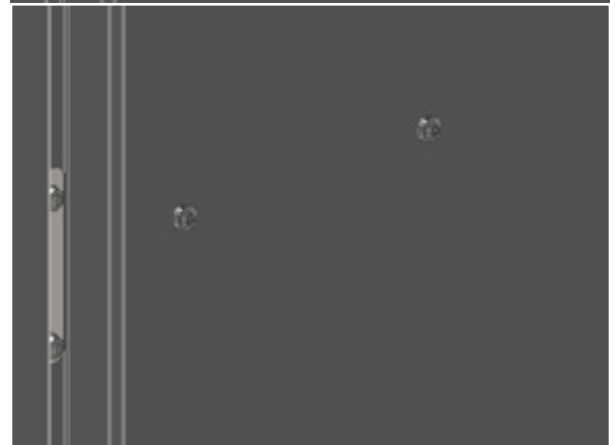
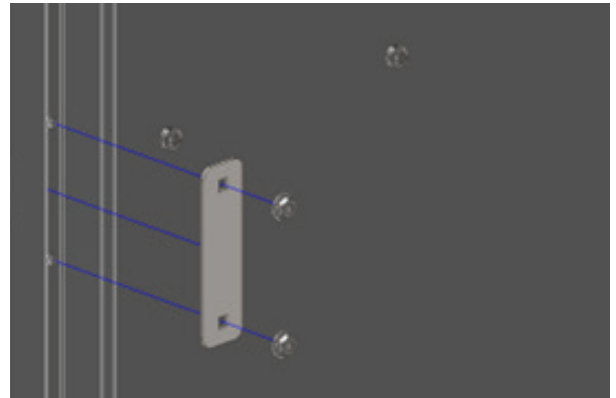


# PROEDGE Smart Lock

## INSTALLATION MANUAL | FLAT DOORS



Note: All bolts and nuts must be tightened with a torque between 10Nm and 12Nm



Make sure the slider can slide with no collisions

The lock is now ready for commissioning

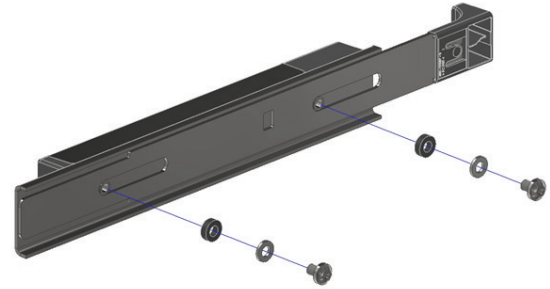


# PROEDGE Smart Lock

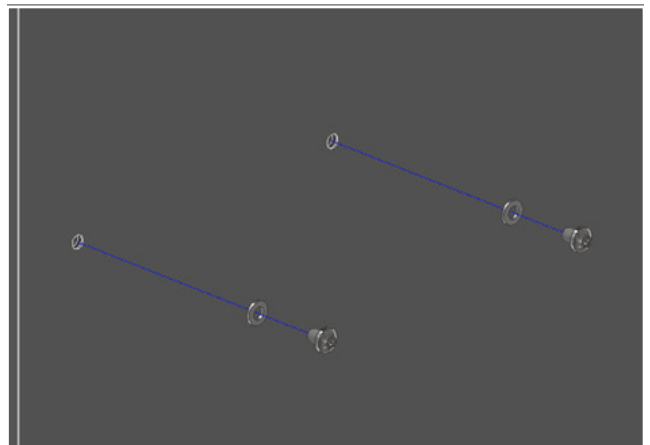
## INSTALLATION MANUAL | FLAT DOORS

### RETROFIT INSTALLATION ON A FLAT DOOR

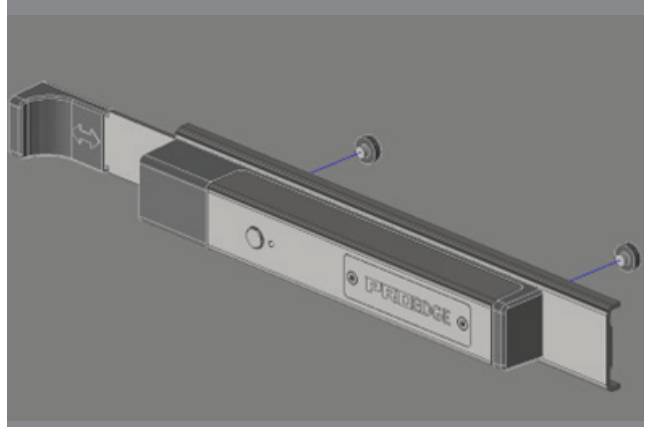
Demount the 2x M6 bolts, washers and spacers



From the back of the door, put the M6 bolts through the washers and door



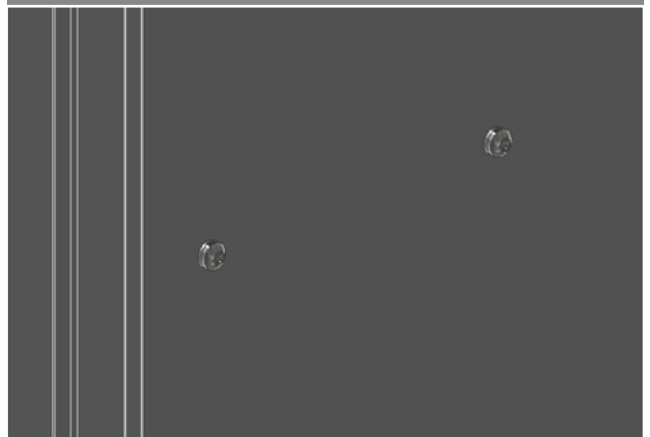
From the front of the door, mount the spacers and lock



Tighten the bolts



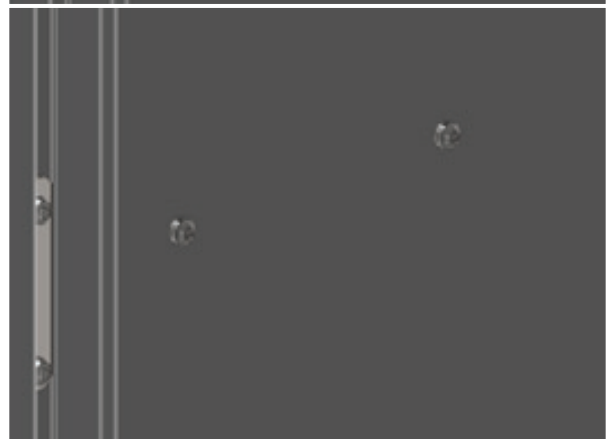
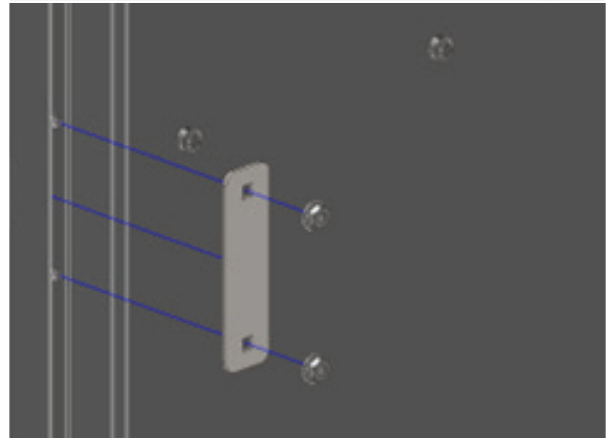
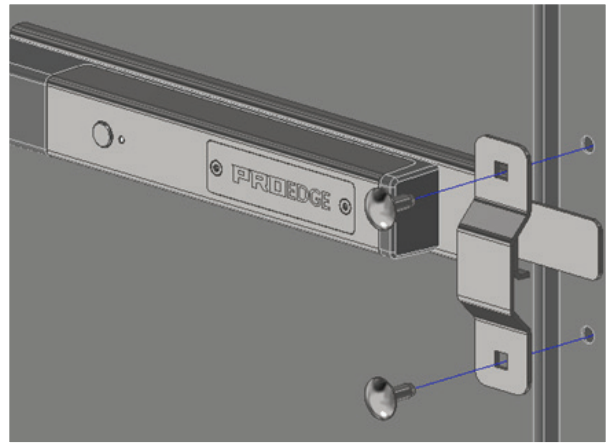
Note: All bolts and nuts must be tightened with a torque between 10Nm and 12Nm



# PROEDGE Smart Lock

## INSTALLATION MANUAL | FLAT DOORS

Put the lock in the “locked” position



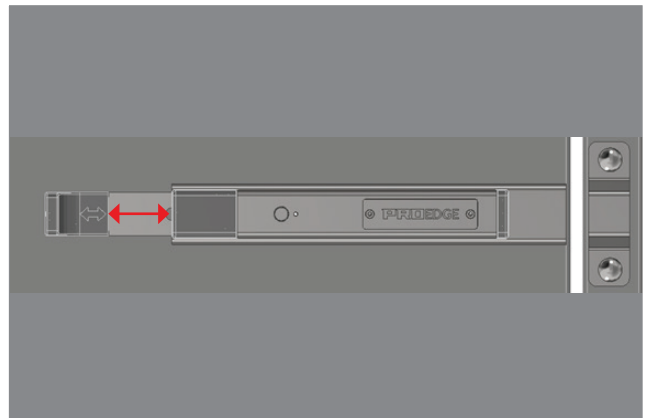
Note: All bolts and nuts must be tightened with a torque between 10Nm and 12Nm

# PROEDGE Smart Lock

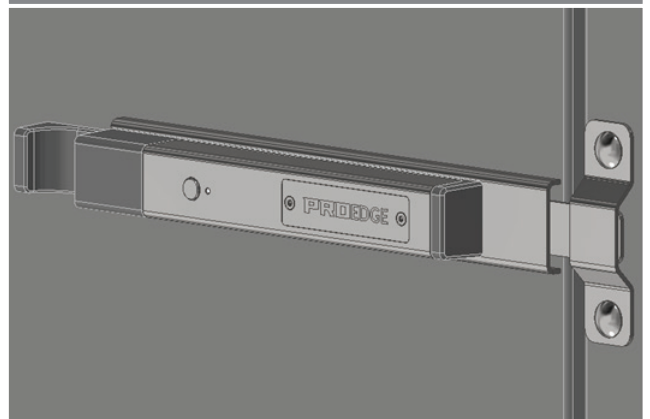
## INSTALLATION MANUAL | FLAT DOORS

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Make sure the slider can slide with no collisions



The lock is now ready for commissioning



# PROEDGE Smart Lock

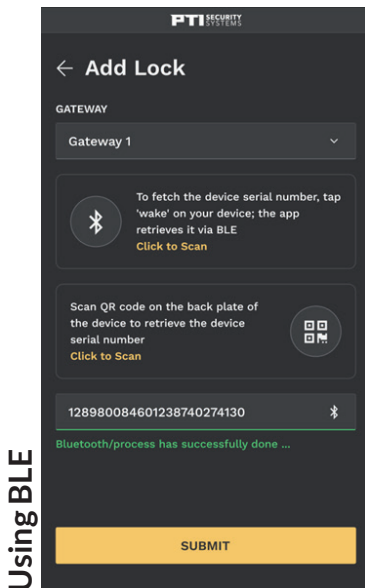
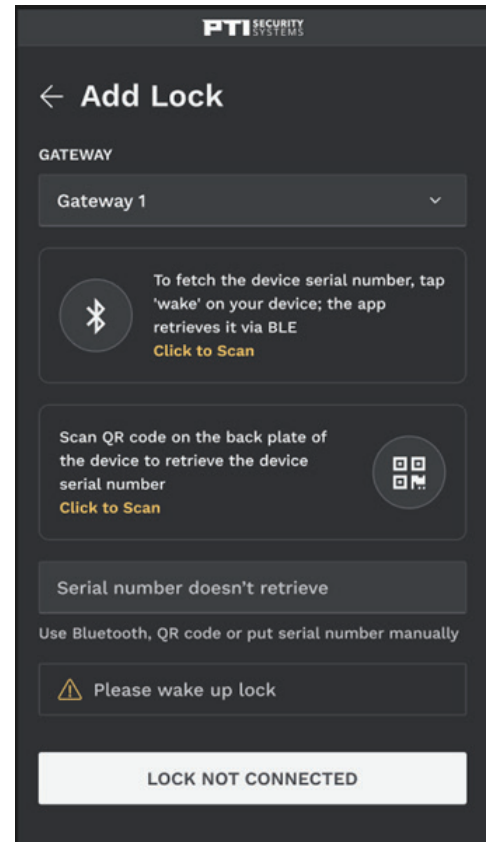
## INSTALLATION MANUAL | COMMISSIONING

To commence the commissioning process, launch the StorSynx application, designed specifically for commissioning purposes.

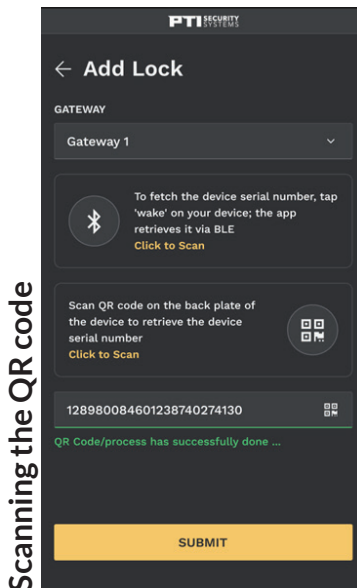
- Log in using existing StorLogix Cloud (SLC) user credentials, or if no user has been created yet, proceed to create one. (can be done in the SLC platform only).
- Navigate to the “Units list” page within the mobile application and initiate the addition procedure by clicking the “+” button, on the right of the Unit you chose to assign the Lock.

Currently, there are three available options for adding Locks devices:

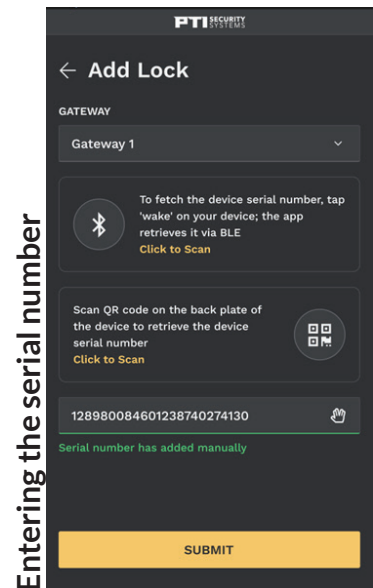
1. Using BLE (primary)
2. Scanning the QR code (secondary)
3. Entering the serial number manually (tertiary)



Using BLE



Scanning the QR code



Entering the serial number

### Steps of commissioning:

- Ensure that at least one Gateway is added; if not, it needs to be added.
- Select Gateway as default in Gateway List or during the add Lock process.
- Scan the Device QR Code or fetch its serial number using BLE or as an alternative fill in its Serial Number manually in the appropriate field.

# PROEDGE Smart Lock

## INSTALLATION MANUAL

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- Ensure, that the Lock is awakened, and if not wake it up.
- Click the “Submit” button in the mobile application.
- Wait for the pairing to complete.
- Try again, if the process failed, or try to get the logic of the failed process from software engineers (after the Logs feature is implemented).
- In exceptional situations multiple locks may awaken simultaneously. To address this scenario, we have implemented an additional dialogue. In this dialogue, the Installer can selectively choose the specific lock they intend to commission.

### **Technical validations and limitations:**

- Gateway limits - According to the Device specifications, it can accept up to 200 Locks.
- The installer is restricted from adding more than 200 locks to a Gateway, and once the limit is reached, the application will prompt the installer to either add a new Gateway or select one that has not exceeded the limit yet.
- Locks / Repeaters current state the validation that checks the current Lock state if it is “awake” or fallen into “sleep mode” in 60 seconds will be added to the mobile application.

# PROEDGE Smart Lock

## INSTALLATION MANUAL | CHANGELOG

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### Changelog

Date	Change
11-27-2023	New document

# PROEDGE Smart Lock

## INSTALLATION MANUAL

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### WARRANTY & DISCLAIMER

PTI Security Systems warrants its products and equipment to conform to its own specifications and to be free from defects in materials and workmanship, under normal use and service, for a period of one year from the date of shipment. Within the warranty period, PTI Security Systems will repair or replace, at its option, all or any part of the warranted product which fails due to materials and/ or workmanship. PTI Security Systems will not be responsible for the dismantling and/or re-installation charges. To utilize this warranty, the customer must be given a Return Materials Authorization (RMA) number by PTI Security Systems. The customer must pay all shipping costs for returning the product.

This warranty does not apply in cases of improper installation, misuse, failure to follow the installation and operating instructions, alteration, abuse, accident, tampering, natural events (lightning, flooding, storms, etc.), and repair by anyone other than PTI Security Systems.

This warranty is exclusive and in lieu of all other warranties, expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. PTI Security Systems will not be liable to anyone for any consequential or incidental damages for breach of this warranty or any other warranties.

This warranty will not be modified or varied. PTI Security Systems does not authorize any person to act on its behalf to modify or vary this warranty. This warranty applies to PTI Security Systems products only. All other products, accessories, or attachments used in conjunction with our equipment, including batteries, will be covered solely by their own warranty, if any. PTI Security Systems will not be liable for any direct, incidental, or consequential damage or loss whatsoever, caused by the malfunction of product due to products, accessories, or attachments of other manufacturers, including batteries, used in conjunction with our products. This warranty does not cover the replacement of batteries that are used to power PTI Security Systems products.

The customer recognizes that a properly installed and maintained security system may only reduce the risk of events such as burglary, robbery, personal injury, and fire. It does not ensure or guarantee that there will be no death, personal damage, and/or damage to property as a result. PTI Security Systems does not claim that the Product may not be compromised and/or circumvented, or that the Product will prevent any death, personal and/or bodily injury and/or damage to property resulting from burglary, robbery, fire, or otherwise, or that the Product will in all cases provide adequate warning or protection. PTI Security Systems products should only be installed by qualified installers. The customer is responsible for verifying the qualifications of the selected installer.

PTI Security Systems shall have no liability for any death, injury, or damage, however incurred, based on a claim that PTI Security Systems Products failed to function. However, if PTI Security Systems is held liable, directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, PTI Security Systems's maximum liability will not in any case exceed the purchase price of the Product, which will be fixed as liquidated damages and not as a penalty, and will be the complete and exclusive remedy against PTI Security Systems.

# PROEDGE Smart Lock

## INSTALLATION MANUAL

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**Warning:** The User should follow all installation, operation, and maintenance instructions. The User is strongly advised to conduct Product and systems test at least once each week. Changes in environmental conditions, electric or electronic disruptions, and tampering may cause the Product to not perform as expected.



**Warning:** PTI Security Systems warrants its Product to the User. The User is responsible for exercising all due prudence and taking necessary precautions for the safety and protection of lives and property wherever PTI Security Systems Products are installed. PTI Security Systems does not authorize the use of its Products in applications affecting life safety.



**Notice.** Some PTI Security Systems products use 900Mhz wireless technology. Other devices at the site such as cordless telephones or alarm components may cause interference that will disrupt the operation of the system or may be interfered with by the system. PTI Security Systems assumes no liability for any problems caused by interference. It is the sole responsibility of the user to identify and correct such problems.

**For technical support, please call our live support team at +1.866.240.7602 Monday-Friday; 10:00am-7:00pm EST.**



# PTI SECURITY SYSTEMS

# ASSA ABLOY

SHAPING THE INDUSTRY  
SINCE 1979

With PTI Security Systems, operators can easily customize all of their facility's access areas, review site activity, and monitor zones and alarms from one cloud-based account. Create a world-class operation with the most advanced enterprise access control solution from the trusted industry leader with over 40 years of experience.

Since 1979, PTI Security Systems™ has provided the self-storage industry with proven security and access control systems. Known for our complete and innovative solutions that deliver advanced and cost-effective security systems, self-storage owners and operators can efficiently manage their facility from anywhere, lower operating costs, and enhance the tenant experience.

For more information about PTI Security Systems, please contact a PTI representative or visit our website.

PTI is a trademark of Preferred Technology Systems, LLC

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 800.523.9504