

# Solution Locks



Locks without compromises

**ASSA ABLOY**

For wooden doors and sheet steel doors

Experience a safer  
and more open world



## The perfect unit: secure, quiet and barrier-free



Burglary prevention



Escape and emergency route functions



Fire protection



Door automation and barrier-free design



Smoke protection



Monitoring and communication



Access control and integration



Cost efficiency and environmental responsibility



Material and design

*The new Solution Locks range remove the need for compromise: it covers all requirements from standard project locks to complex security locks.*

The high-quality Solution Locks with flip latch technology can meet a wide range of requirements at the same time: Good sound and thermal insulation with high contact pressure, while multiple locking points increase security. And this is no longer at the expense of ease of use and ease of movement, because despite the many locking points, the maximum operating forces according to EN179/EN1125 for barrier-free access can be observed.

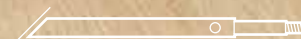
### Overview of advantages

- **Comprehensive complete system**  
The Solution Locks cover all requirements from standard to high security.
- **Highest quality**  
ASSA ABLOY tests internally beyond the standard requirements – in the in-house testing laboratory.
- **Flip latch technology**  
Combines leak-tightness for better sound and thermal insulation, barrier-free access and ease of use.
- **Standard compliance**  
Operating forces according to EN179/EN1125 are observed.
- **Compatible with various application areas**  
Fire protection, panic, security, high security
- **Universal use**  
Many adjustment options such as panic side, DIN direction and fail-locked/fail-unlocked as well as stand-alone/bus operation. Same lock case dimensions for mechanical and electromechanical locks.



1.  
New design and variants  
for panic touch bar and  
panic push bar

2. + 3.



Rod connection for  
standard M-6 thread



4.  
Locking to the top with  
switch lock or special  
latch lock for electric  
strike (active and  
passive leaf)



5.  
Monitoring can  
be switched from  
"stand-alone" to  
bus system



6.  
Complete signal  
transmission with  
only 8 wires!

## The complete system:

### Many advantages – an impressive system

**1. New design**

The panic touch bar and panic push bar impress with their elegant design and fit perfectly into any setting.

**2. Conventional installation**

Installation of the steel rod by connection with standard M6 thread ensures quick and smooth installation.

**3. New installation tool**

The new installation tool makes the top rod easier to handle, making it more convenient to fit.

**4. Rapid and secure**

Installation is simpler and security is increased thanks to locking to the top with a switch lock or special latch lock for ProFix® 2 electric strike. This applies for the active and passive leaf.

**5. Two operating modes**

Monitoring can be switched from “stand-alone” operation to a bus system at any time – ensuring greater flexibility.

**6. 8-pin cable**

Additional poles make even more control and monitoring options available in “stand-alone” operation.



## Our quality promise:

### We test more than the standard requires



*For ASSA ABLOY, product testing is a daily task. In-house production controls are carried out constantly and new products are tested. To this end, the testing laboratory at the Albstadt site was audited by the North Rhine-Westphalia Materials Testing Agency (MPA NRW).*

#### Testing above the standard

The additional ASSA ABLOY internal lock tests are comprehensive and go far beyond the required tests. In numerous tests, we simulate additional stress situations and ensure that our quality impresses.

#### Overview of advantages

- Over-compliance with standards ensures greater robustness and security
- Realistic and practice-oriented tests simulate subsequent use
- Solution Locks stand for long-term functionality, quality and security

With the extensive in-house testing laboratory, quality assurance is guaranteed for all products.



#### "Hooligan test"

Opposite handle actuation up to 70 N

#### "Bang test"

Increased closing speed when the door is banged

#### "Rattle test"

Vibration and impact loads on handle follower

#### "Press test"

Screw-on pressing with 50 N

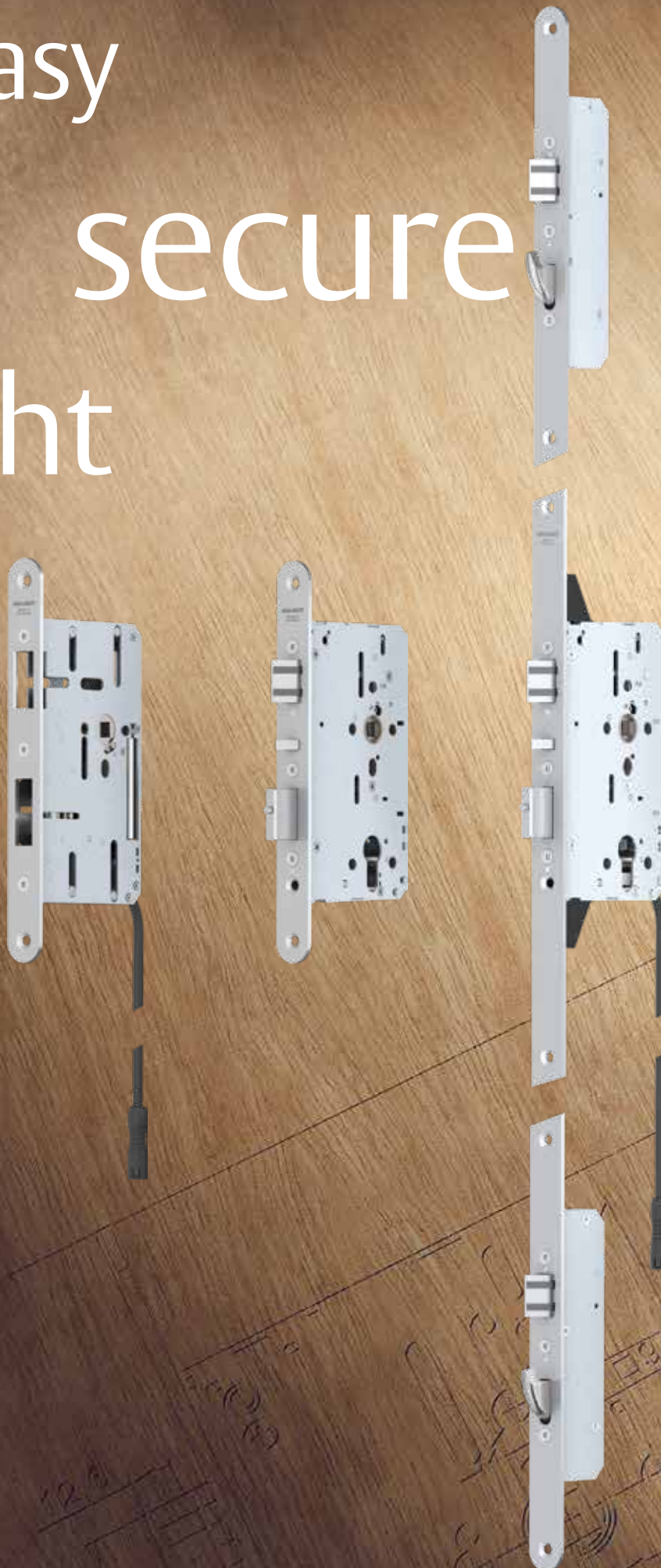
#### "Vandalism test"

Blocking of latch/bolt and simultaneous handle or cylinder actuation with 50 N

#### Additional

- Blocking the rod
- Additional axial pressure load
- Cylinder stop for both directions (8 N)
- Follower stop for both directions and alternating strength (70 N)

easy  
secure  
tight



## easy | secure | tight

Flip latch technology combines previously incompatible properties



*Compromises when choosing locks are a thing of the past with Solution Locks.*

*The **flip latch technology** combines properties such as increased security, low operating forces and high contact pressures.*

These advantages impress...during planning, installation, maintenance and when complying with standards:

### Increased security

High protection against forced entry with maximum ease of use.

- Multi-point locking systems ensure more security. With the flip latch technology, it is possible to comply with maximum operating forces according to EN179/EN1125 despite having multiple locking points.
- Previously, the focus had to be on finding a compromise: is the most important aspect increased security or ease of use for improved barrier-free access? Flip latch technology combines both aspects without compromise.

### Low operating forces

- The Solution Locks make it easier to comply with the requirements of EN1125 and those for barrier-free construction in accordance with DIN SPEC 1104 CEN/TR 15894.
- If the door has to be adjusted with regard to temperature differences/sound insulation, this does not compromise the ease of movement of the handle/cylinder.
- In the event of large pressure differences, e.g. in airlocks or with high thermal loads (bent) on doors, the ease of movement/barrier-free access is still ensured – the environmental conditions no longer have a negative effect.

### High contact pressure

- The leak-tightness values according to EN14351-1/-2 are not only achieved under laboratory conditions, but also in everyday use.
- Improved sound insulation and better heat insulation possible.

### Planning security

When door requirements change and other lock functionalities become necessary, the universality of the product line makes it easy to retrofit or replace the locks.

# The Solution Locks range

## Basic Line

In addition to the range of essential functions, the Basic Line stands for basic security and economy. From a technical perspective, its improved burglar-resistant features and the silent latch are impressive.

### BASIC LINE

#### Mortise lock



N105x



N100x

#### Panic mortise lock & passive leaf lock



N11xx



N145x



N12xx

# The Solution Locks range

## Modular Line

The Modular Line with flip latch technology combines high security standards, effective soundproofing and easy operation. It is possible to comply with maximum operating force standards according to EN179/EN1125 despite having multiple locking points. The handle and cylinder remain easy to use even under high thermal loads or with strong pressure differences.

Both lines are compatible, increasing the modularity of the Solution Locks range.

### SECURITY

#### MODULAR LINE

Self-locking security lock & passive leaf lock  
mechanical

electromechanical



N80xx

N1460

N81xx

N1465

N82xx/N83xx

N84xx

High security lock & passive leaf lock  
mechanical

electromechanical



309N

N1940

509N/809N

319N

519N/819N

The ASSA ABLOY Group is the global leader  
in access solutions. Every day we help  
people feel safe, secure and experience  
a more open world.

**ASSA ABLOY**  
Opening Solutions

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