

THE STRONGEST LINK

ABLOY® PADLOCKS



SECURITY IS THE KEY TO SUCCESS

Everyone needs to be secure. Governments, companies, organizations and private individuals.

Criminal acts, violence and breakdowns in information transfer, production and distribution occur increasingly often in everyday life - good reason to ensure that there are no gaps in your security. Everyone can then concentrate on what is most important to them. Without having to worry.

"Reliable, durable, and high security

due to the unique disc cylinder, **ABLOY®** padlocks have met our needs and performed well in a range of weather extremes from coast to coast." - Chris Cooper, TELUS Chief Security Office.

"Padlocks supplied have exceed our expectations

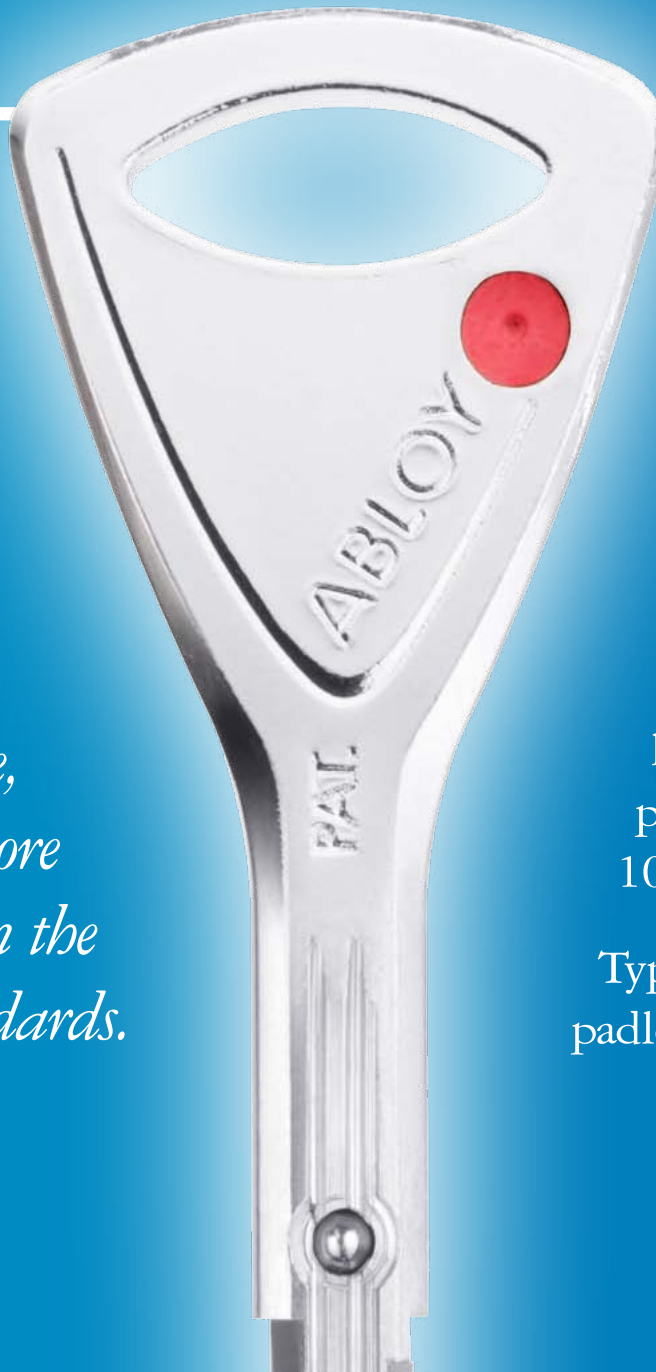
due to its hardness, durability and its capability of locking planning into a system. They accomodate perfectly to our climate conditions in the Canary Island, i.e. sea salt, humidity and high temperatures." - ENDESA High Power Network



TESTED SECURITY

ABLOY® padlocks are designed to meet and exceed the demands imposed by different uses, operational environments and standards.

To guarantee performance, products are tested to levels more severe than those required in the relevant standards.



Both computer-controlled robotic testing equipment and robots which simulate real-life situations are employed in non-stop testing. In addition to mechanised testing, padlock durability and reliability are continuously tested manually by hammering, twisting and pulling, and padlocks are also subjected to as many as 100,000 opening events.

Typical test data for an **ABLOY®** PL350 padlock is shown.

1. Pulling of shackle *In the mechanised pulling test, padlocks must remain locked when their shackles are subjected to severe torsion.*

EN 12320 – Grade 5 (70 kN)

2.

2. Blow on lock body

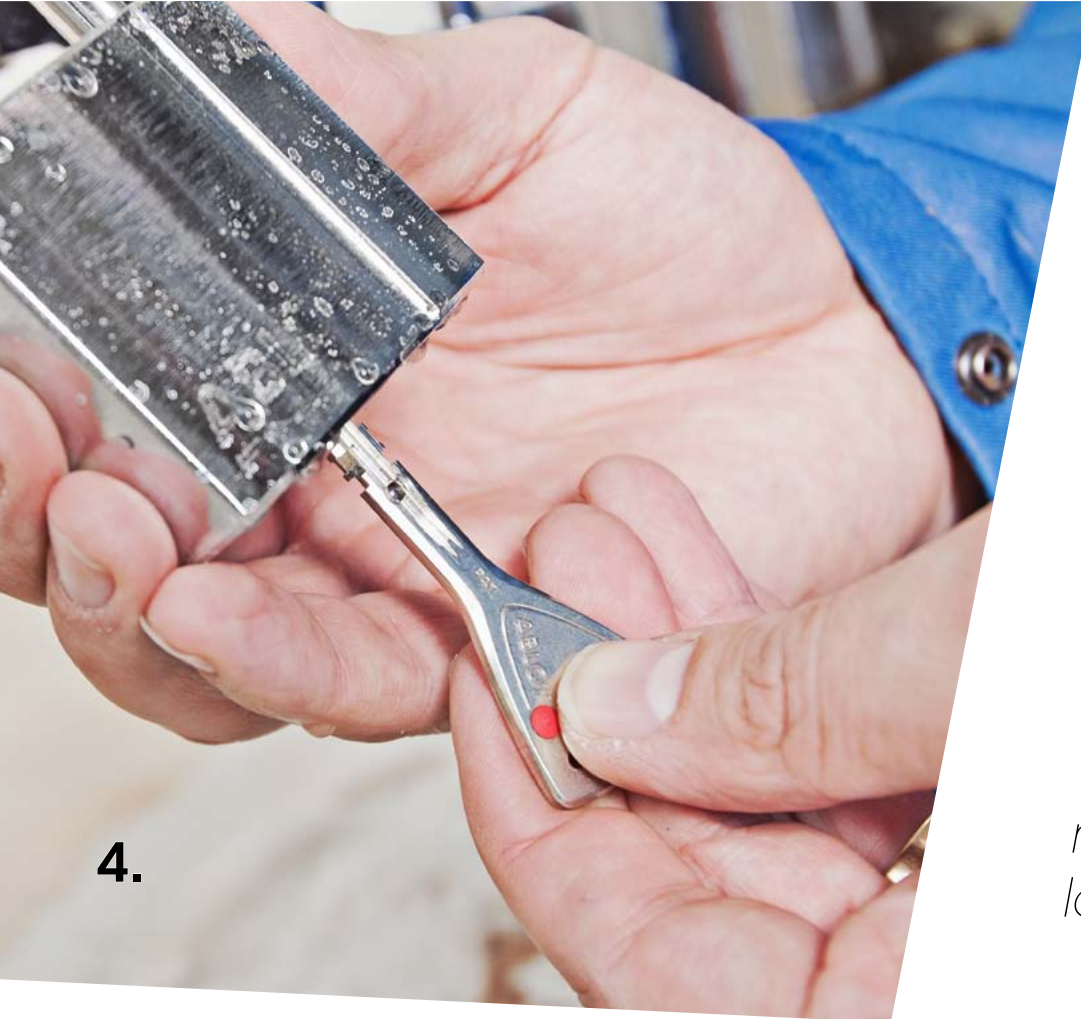
Padlock impact resistance is tested manually by attacking the lock with a variety of hand tools (including a hammer, screwdriver, chisel and pliers) and by dropping a heavy weight on it 5 times from a precise distance.

*SSFN 014:2 – Class 4 (10-minute attack),
EN 12320 – Grade 5 (-40 °C, 6550 gr,
1400 mm)*

3. Sawing *The durability of the body and shackle are tested by sawing while the padlock is loaded with a heavy steel weight.*

EN 12320 – Grade 5 (4 minutes)

3.



4.

4. Corrosion While the corrosion test for padlocks is based on the EN 12320 standard, the test conditions are made more severe by using acetic acid spray instead of salt spray in the testing cabinet.

Acetic Acid Salt Spray Test
EN 12320
EN 1670 – Grade 4 (240h)

5. In durability tests, the **ABLOY®** detainer disc cylinder is subjected to half a million opening events, five times more than is required in the standard's most-severe test procedures. Manual opening events are combined with tests carried out by computer-controlled robots which also simulate real-life locking situations.

EN 1303 – Grade 6

**Watch the video
on YouTube >>**



5.



6.

6. Extreme temperatures In the temperature test, padlocks must operate normally at -40°C and +80°C.

THE SAME KEY OPERATES ALL LOCKS

*Thanks to the patented detainer disc mechanism, different sizes of **ABLOY**® padlocks can - if required - be operated with a single key.*

This enables complete solutions. The key operating padlocks can also be used to secure doors, items of furniture and cabinets. Significant reductions can be achieved in both the number of keys required and associated costs.

The **ABLOY**® key system can offer up to 1.97 billion key differs. This means that everyone living in Europe and the Americas could be allocated a unique **ABLOY**® key with individual access rights.



EXTRA BENEFITS FROM THE DETAINER DISC SYSTEM

In the **ABLOY®** PROTEC2 CLIQ system, both the key used for every opening event and the time are recorded in an access register. System administration, key programming and changes to access rights can be carried out in real time at any location anywhere in the world. Mechanical re-keying is unnecessary, as lost keys can easily be deactivated or reactivated when found.

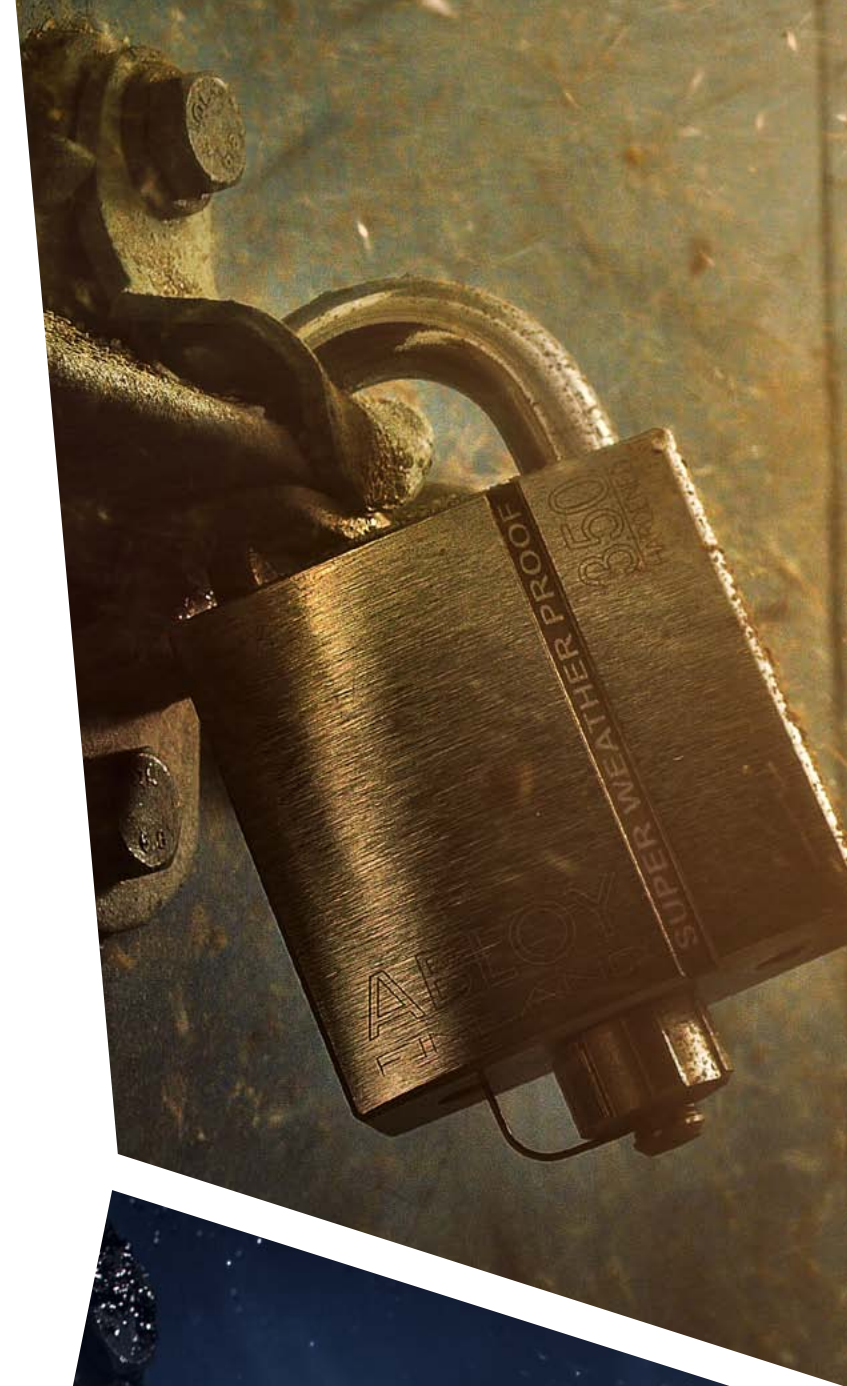


ULTIMATE WEATHER RESISTANCE

The new SUPER WEATHER PROOF (SWP) padlock range is an excellent example of the proactive way in which Abloy Oy and its customers interact.

Developed in response to customer feedback, the SWP range is designed for use where padlocks must resist extreme cold and excessive amounts of dirt, locations in which traditional solutions fall short. SWP padlocks feature an extremely tight, no compromise construction. The weather seal cap and other innovative protective measures mean that they exceed IP68 requirements for no ingress of dust and continuous immersion in water.

SWP padlocks can also be components in an **ABLOY® PROTEC2 CLIQ** system. This solution is ideally suited to large-scale applications requiring both access supervision and flexibility in handling access rights.

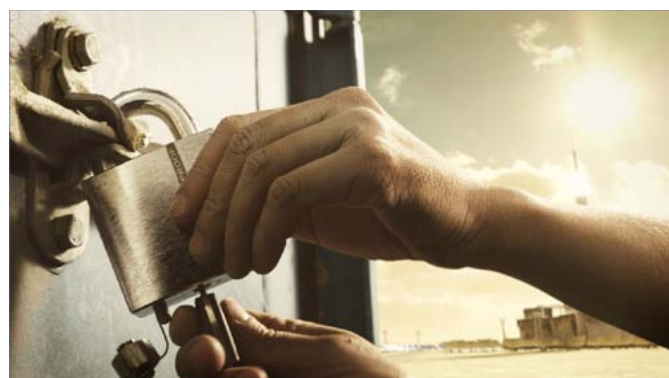




ABLOY® padlocks are available in several grades and comply with different standards.



The additional features offered by **SWP** and **SWP CLIQ** padlocks are available in Grades 2 - 6.



**SWP presentation
video on YouTube >>**



**SWP technical features
video on YouTube >>**



ABLOY® PADLOCKS



PL362



PL350



PL342



PL340



PL341



PL330



PL320





PL362



Strongest padlock in the market

For applications where maximum security is required. Case hardened steel body with raised shoulders and a toploaded cylinder provide the highest level of security and protection. Typical applications include containers, railway wagons, trucks, heavy sliding doors and military uses.

L362 padlock is equipped with a 15 mm diameter, case hardened boron steel shackle.



ABLOY® Grade 6 padlocks meet the requirements of the following standards: EN12320 Grade 6, SSFN014 Grade 5



PL350

SWP

SWP CLIQ

Extra strong steel padlock for demanding applications

Case hardened steel body provides tough protection for high security applications including shipping containers, railway wagons, trucks, and warehouses.

PL350 padlocks are equipped with a 14 mm diameter, case hardened boron steel shackle.



ABLOY® Grade 5 padlocks meet the requirements of the following standards: EN12320 Grade 5, SSFN014 Grade 4

PL342

Strong, case hardened steel padlock with protected shackle

The extended case hardened steel body surrounding the shackle makes this padlock virtually impregnable against attack by cutting and prying tools. Suitable for heavy sliding doors, railway wagons, trucks and warehouses.

PL342 padlocks are equipped with a 10 mm diameter, case hardened boron steel shackle.



ABLOY® Grade 4 padlocks meet the requirements of the following standards: EN12320 Grade 4, SSFN014 Grade 3



PL340

SWP

SWP CLIQ

Tough, surface hardened steel padlock

Extra-strong padlocks for applications where high security is required. Ideal for construction equipment, tractor trailers and remote storage areas, trucks, storage bins, roller shutter doors, motorcycles and warehouses. The case hardened steel body is highly resistant to all types of physical attack.

PL340 padlocks are equipped with a 10 mm diameter, hardened boron steel shackle.



ABLOY® Grade 4 padlocks meet the requirements of the following standards: EN12320 Grade 4, SSFN014 Grade 3



PL341

Tough brass padlock with chrome finish

A strong padlock for the doors, windows and gates of storage facilities, trailers, protective bars, storage lockers, boats, roller-shutter doors and similar applications.

PL341 padlocks feature a 10 mm diameter, case hardened boron steel shackle.



ABLOY® Grade 3 padlocks meet the requirements of the following standards: EN12320 Grade 3, SSFN014 Grade 2

PL330

SWP

SWP CLIQ

Medium strength brass padlock with chrome finish

An all purpose padlock of durable construction for storage doors, motorcycles, gates, trailers, power station switches and similar applications.

PL330 padlocks feature an 8 mm, hardened boron steel shackle. They are also available with non sparking brass or stainless steel shackle. PL330/100 is not tested for a security grading.



ABLOY® Grade 3 padlocks meet the requirements of the following standards: EN12320 Grade 3, SSFN014 Grade 2



PL320

Brass padlock with chrome finish for everyday use

A multi purpose padlock ideal for cash boxes, tool boxes, storage cabins, light machinery and lockers. PL320/50 padlocks are not tested for security grading.



ABLOY® Grade 2 padlocks meet the requirements of the following standards: EN12320 Grade 2, SSFN014 Grade 1

MULTIPLE SECURITY OPTIONS

Abloy offers a range of key systems from which you can select the best to suit your application.



ABLOY®
CLASSIC

The original **ABLOY®** key system. A cost-effective solution for basic security applications.



ABLOY®
SENTRY

ABLOY® SENTRY is a professional locking solution designed for securing equipment and office furniture. The patent-protected symmetrical metal key offers the best available method of ensuring that e.g. communications, energy and water networks remain secure. It is also used to secure automation equipment, display cases, cabinets, boxes and vehicles used in transportation.



ABLOY®
PROTEC²

ABLOY® PROTEC² offers corporations and organizations a comprehensive locking solution. It is a high security locking solution with a robust and symmetrical metal key which withstands heavy use. The new and patented moving element in each key ensures the highest levels of security. The keying possibilities offered by **ABLOY®** PROTEC² systems are unrivalled.



ABLOY®
PROTEC² CLIQ

ABLOY® PROTEC² systems can be expanded by adding CLIQ features, with some or all of the locks in a system being electromechanical. **ABLOY®** PROTEC² CLIQ systems maintain an audit trail of opening events, and the keys, cylinders and access rights can be managed from any global location using web-based software.

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ASSA ABLOY

Abloy Oy is one of the leading manufacturers of locks, locking systems and architectural hardware and the world's leading developer of products in the field of electromechanical locking technology. ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.