

  
**ABLOY® PROTEC**

*New electromechanical ABLOY® cylinder*



# ABLOY® PROTEC

NEW LOCKING TECHNOLOGY FROM THE  
WORLD'S LEADING LOCK COMPANY

CLIQ technology has been developed by the ASSA ABLOY Group. This new technology is applied in the best cylinders manufactured by Group companies worldwide.

## Because it's intelligent!

**ABLOY® PROTEC CLIQ** is a new lock technology that brings together and integrates the very best of electronics and mechanics. In fact, it allows you to use a truly intelligent key system for the first time.

This means that you can lock your door knowing that no unauthorized person has a key that can open it. Moreover, you are able to easily change the access rights to that door, or any other door in your system.

With CLIQ electronics and strong DES encryption integrated with a high-security **ABLOY® PROTEC** mechanical lock cylinder, get new electromechanical **ABLOY® PROTEC CLIQ** locking technology.



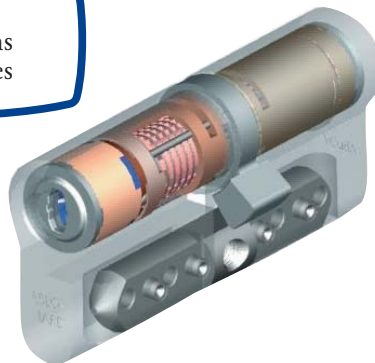
## ABLOY® PROTEC CLIQ features

Flexible  
Easy extensions  
Ease of changes

Secure  
Easy to update  
Classified - mechanical  
Can not be copied

Costs  
Price/door  
Economy/Life cycle  
Stand alone

Easy  
Installing - no wires  
Locking planning  
Usage



# ABLOY® PROTEC

## MECHANICAL KEY AND CYLINDER ENSURE PHYSICAL SECURITY

**ABLOY® PROTEC CLIQ** provides higher security and greater flexibility than any other key system.

This is possible by building micro-electronics into the key and the cylinder. No external wiring is needed, nor any network to connect. Only a few simple software tools are needed to change or extend your system as your requirements grow.

Today's security standards for mechanical keys and cylinders set requirements for mechanical resistance, picking and manipulation, copying of keys and distribution of key blanks.

The CLIQ technology is added to mechanical cylinders and keys that already meet these rigorous specifications.

## ELECTRONIC FUNCTIONALITY WITH HIGH CLASS ENCRYPTION

Every **ABLOY® PROTEC CLIQ** key has a double encoding: mechanical coding on the blade and electronic coding on a chip in the bow.

The key blanks are protected by patents and the electronic code is protected by strong encryption. This combination provides high mechanical security, as well as maximum electronic security.

Inside each cylinder, embedded in the metal, is another chip, corresponding to the chip in the key, with the sole function of only giving access to keys with the right electronic code.





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## EASY TO UPGRADE AND CUSTOMIZE

You can obtain both flexibility and security by combining mechanical codes with electronic codes in keys and cylinders. Within a given system the number of new combinations is infinite. Every cylinder and key in a **ABLOY® PROTEC CLIQ** system has a unique identity.

## ENSURES LASTING SECURITY

Keys get lost. This is a simple fact. With an **ABLOY® PROTEC CLIQ** system you can easily deny access rights for lost and cancelled keys. On the other hand you can add keys and give them the access rights needed.

## INTERACTIVE INTELLIGENCE TIES THE SYSTEM TOGETHER

To program the cylinders special programming keys are used by the system operators. These programming keys serve the dual purpose of security tools and information carriers for the system.

Programming keys are needed to get access to the programming device and an **ABLOY® KEYCONTROL** software package. Programming keys are used to carry programming information from an easy-to use programming unit to the cylinders.

## AUDIT TRAIL WITH DATE AND TIME

Audit trail control is built- in both the cylinders and the keys. The cylinder audit trail chart holds 1000 transactions in its memory.

The cylinder audit trail shows the date and the time an **ABLOY® PROTEC CLIQ** key was inserted into the cylinder.

The key audit trail holds 100 transactions and shows the date and the time for every **ABLOY® PROTEC CLIQ** cylinder the key was inserted into.







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## FULL CONTROL OF ALL YOUR KEYS



Since every **ABLOY®** PROTEC CLIQ key is unique it is fully personalized for its user. This gives you flexibility when needs change and it ensures security by always being able to cancel access rights for lost keys.

As a user, all you need is one key. With it, you know where you are authorized to go. You know that your key cannot be illegally copied, even if you have lent it to someone temporarily. More importantly if you lose your key, your costs are limited.



You can design it to fit your organization and your premises. Make it flexible within a department, within a floor, within a building. Build high security zones of **ABLOY®** PROTEC CLIQ cylinders and mix with ordinary mechanical cylinders for other areas. And you can always extend and customize your system to meet future needs.

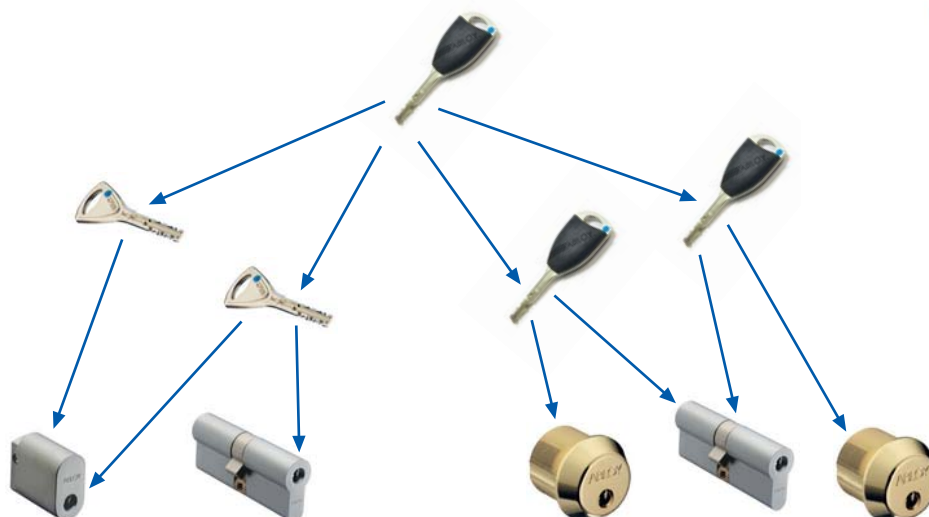
## NO WIRING, NO ADD-ONS

A lock cylinder and a key. That is all you need. The power is supplied by a battery in the key bow. The battery can be easily changed.



## PLUG AND PLAY

An **ABLOY®** PROTEC CLIQ system is just as easy to install as a traditional mechanical lock system. If you already have a lock system installed and wish to upgrade it, you just exchange the cylinders and distribute the new keys. In many cases you can even have the new keys made to fit the mechanical cylinders already installed.



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## WHO BENEFITS FROM INTELLIGENT SECURITY?

### Architects

No more limitations to the lock system design. No more wiring and add-ons. No more compromises, no more wrenching and bending to comply with rules and regulations. With **ABLOY® PROTEC CLIQ**, the system can always be designed according to customer needs.

### Locksmiths / distributors

An **ABLOY® PROTEC CLIQ** system is as easy to install and as easy to maintain as any traditional key system. Even an existing mechanical lock system can be upgraded or expanded with **ABLOY® PROTEC CLIQ** keys and cylinders.

### Building owners

With an **ABLOY® PROTEC CLIQ** system installed, you know you have taken every possible precaution. The technology is built to last. You can meet future changes with a constantly high level of security. And it is also very flexible and convenient for the users.

### Security managers

Having full control of your keys is perhaps the single most important factor. With **ABLOY® PROTEC CLIQ** you can remove the access rights of lost keys so that they cannot be used to gain entry to your system. Moreover, you always have the possibility to create 'islands' of even higher security within your existing system.



[www.abloy.com](http://www.abloy.com)

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An ASSA ABLOY Group company

**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.

The ASSA ABLOY Group is the world's leading manufacturer and supplier of locking solutions, dedicated to satisfying end-user needs for security, safety and convenience.