



Searching For A High Security Solution?

Introduction

Protecting your physical assets has grown increasingly more challenging over the last few years. The new breed of security threat is more immediate than ever before, increasing your risk of a serious security breach and exposing your assets, employees and customers to dangerous liabilities. Chances are, *unauthorized duplicate keys* are infiltrating your security locking system despite your efforts to control them.

SECURITY QUIZ

How confident are you that your assets are secure? This quiz may help you identify some potential security issues. Use this diagnostic tool to help you analyze and address your security and loss prevention status.

1. Do you know who has every key that has been issued?

- a. Do you know which key operates which lock(s)?
- b. Have you ever terminated an employee?
- c. Have you ever had an employee leave?
- d. Have you ever valet parked your car?

2. Do you know if employees and contractors are sharing keys?

- a. Do you or your employees ever leave keys on a desk, work area or out in the open?
- b. Do you or your employees ever loan keys to someone to retrieve something?

3. Can your current keys be duplicated without proper authorization?

- YES NO

4. Are your locks susceptible to physical attacks such as picking or drilling?

- YES NO

5. Are you experiencing unauthorized entries into restricted areas?

YES

NO

6. Have you experienced physical damage or loss of equipment, assets or intellectual property?

YES

NO

If you answered yes to any of these preceding questions, then your assets are at risk.

Answer the following to assess your vulnerability.

7. List the five most valuable physical assets in your company.

(for example: cash, cargo, product stock, electronic equipment, etc.)

8. List the five most valuable intellectual property assets in your company.

(for example: customer database, records, financial information)

Please read on to learn more about the options available to improve your security.

Common Security Measures

Potential Actions	Common Perceptions	Realities
Hire a security guard	<ul style="list-style-type: none">• Easy• Quick fix• Full time protection	<ul style="list-style-type: none">• Expensive• Limited coverage to guard location does not stop key duplication problems• Exposure to liability and risk
Rekey existing locks	<ul style="list-style-type: none">• Easy• Cost effective• Quick fix	<ul style="list-style-type: none">• Will have to rekey when duplicates are found• Expensive after multiple rekeys• Still exposed to liability and risk
Change or add hardware	<ul style="list-style-type: none">• Easy• Shows physical defense	<ul style="list-style-type: none">• Will have to rekey when duplicates are found if new hardware does not include patent protected keys• Quantity does not always offer Quality protection

Access Control

Potential Actions	Common Perceptions	Realities
Install electronic access control	<ul style="list-style-type: none">• Expensive• High tech means high security• Multiple uses for card based credentials	<ul style="list-style-type: none">• Expensive system can be defeated without secure hardware providing physical protection• Can provide good audit reports• Many card based credentials are easily duplicated• Extremely expensive
Add alarms or CCTV system	<ul style="list-style-type: none">• Expensive• Full time security	<ul style="list-style-type: none">• Expensive, reactive system – records unauthorized entries, but does not <u>prevent</u> physical attack
Install a hybrid system of electronic and mechanical locking devices	<ul style="list-style-type: none">• Expensive• High tech means high security• Hard to manage	<ul style="list-style-type: none">• Moderately priced with the correct locking device at each asset location• Both preventative and reactive system complimentary• Investment relative to security level required

Restricted or Patent Protected Key Systems

Potential Actions	Common Perceptions	Realities
Use locks with keys that say "do not duplicate"	<ul style="list-style-type: none">• Control gained over unauthorized key duplication• Shows concern through preventative action	<ul style="list-style-type: none">• No protection against unauthorized manufacture of key blanks• Does not stop easy key duplication• Will have to rekey when duplicates are found
Use locks with keys that are uncommonly different in design or appearance	<ul style="list-style-type: none">• Control gained over unauthorized key duplication• Because it is extremely different than common locks, abilities to defeat these designs are not common	<ul style="list-style-type: none">• No protection against unauthorized manufacture of key blanks• Does not stop legal retail duplication of a key, for a fee• Unconventional design and appearance can be misleading for security effectiveness

Restricted or Patent Protected Key Systems (continued)

Potential Actions	Common Perceptions	Realities
Use High Security patented key control lock systems	<ul style="list-style-type: none">• Expensive• Obtaining duplicate keys is inconvenient for owners or authorized managers• Maintenance of system is complicated	<ul style="list-style-type: none">• Less expensive; dramatic cost savings due to drastic reduction of security losses• Savings through reduced rekey charges• Reduction of liability and risk through maintaining proper control of keys• Key control programs designed for maximum protection against unauthorized duplication while providing convenient access to owners and managers• High level of resistance to physical attacks including manipulation, picking and other forms of surreptitious entry

The Key To A High Security System

There is no legal backing to the threat “Do Not Duplicate” that is stamped on many keys. In fact, even the keys marked “Unlawful to Duplicate” really aren’t. A key stamped “Do Not Duplicate” does not deter duplication, therefore, using such markings is an ineffective method for the key owner to control duplication. The request for keys with these stamping indicates a need for some level of control over key access.



Most keys are easily and legally duplicated. More than 30% of business thefts and burglaries are accomplished using a duplicate key. Standard locks can be easily picked, manipulated, or forced open with little training. The sale of easily used lock opening tools is highly unregulated.

Only patent protected keys made by a manufacturer that monitors and enforces effective key control policies will actually achieve the desired result of key control.

CHALLENGES TO ACHIEVING HIGHER SECURITY

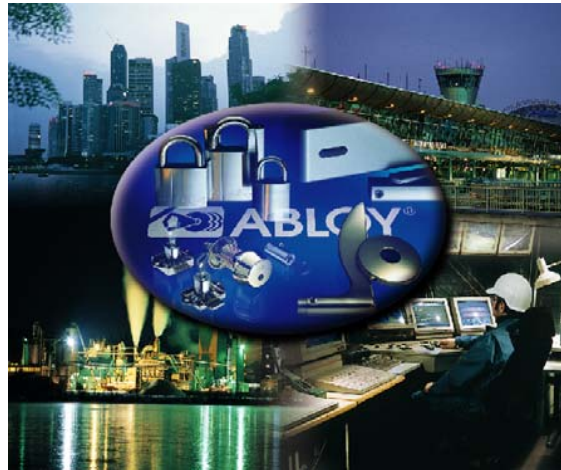
- No key control policies and procedures
 - Lack of control or easy access to keys by employees or contractors
 - Easily duplicated keys
 - Lack of effective records management of who has what keys
- Limited keying capacity, flexibility in design, and ability for system expansion unavailable
- Easily compromised cylinders or locks
 - Easily drilled cylinders
 - Easily picked or manipulated cylinders
 - Easily pulled cylinders
- Key cut information stamped on keys or locks
- Inappropriate locking devices
(e.g. The wrong locking hardware in a high attack area, such as an unattended, remote location)

WHAT MAKES A LOCK & KEY SYSTEM HIGHER SECURITY?

Patented Key Control	Physical Strength	Keying Capabilities
<ul style="list-style-type: none">• Patents prevent illegal manufacturing of keys and keyblanks• Patents protect manufacturer technology and prevent “knock-offs” from potentially jeopardizing the security of your assets• Patents protect the end-user; an owner or manager is assured that no one can legally obtain a duplicate key without consent• Duplication requires special authorization• Control of key blanks is achieved via contracts with distribution sources for secure service of existing and new key systems	<ul style="list-style-type: none">• Endurance• Attack Resistance<ul style="list-style-type: none">-Picking-Impression-Forcing-Drilling-Sawing-Prying-Pulling-Driving• Corrosion and resistance to harsh environments	<ul style="list-style-type: none">• Capacity, design flexibility and large scale expansion• High security key systems can typically generate millions of secure codes compared to less than 15,000 codes available for standard security systems

THE SOLUTION IS SIMPLE

There are many options for you to consider when determining just how secure you want to be. The lowest cost method to improve security is strengthening the foundation of a system with good physical security - including key control. Security is not a “present or absent” issue; it is a matter of degree. The security level of all locking systems can be upgraded.



There are a variety of locking methods or access restrictions with corresponding higher costs per lock placement. Interestingly, the highest cost method is not necessarily the most secure. For real protection, a locking system should include patented key control.

PLAN OF ACTION

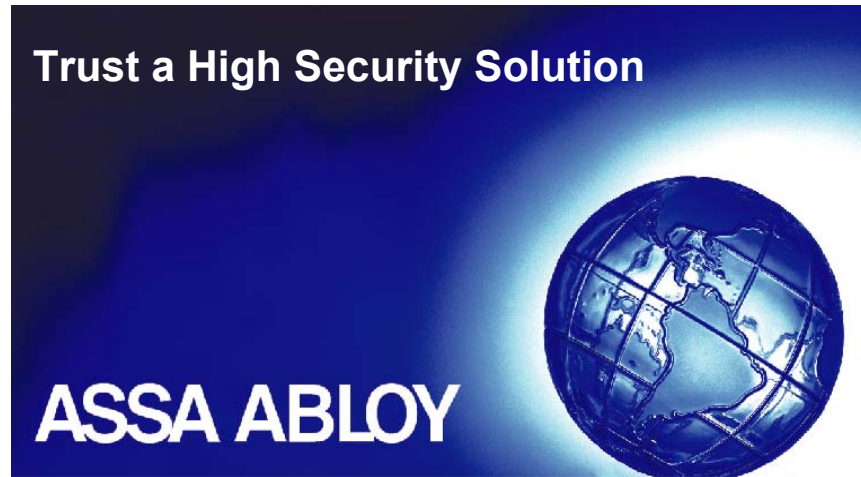
Implementing a plan of action will require vigilance on your part. Proper procedures must be put in place informing staff how to effectively manage your security systems. Key control records are necessary to assist in the implementation of an effective system. You must ensure that all keys are properly stored to maintain the utmost in control.

- ❑ Create specifications to insure all new asset additions are equipped with a high security locking system; and review existing assets to determine the appropriate security level for the application.
- ❑ Establish clearly understood key control policies and procedures.
 - Issuance and retrieval of keys
 - Cut key storage policy
 - Rekey policy
- ❑ Clarify the roles and responsibilities for management of the key control system.
- ❑ Have your key control program professionally evaluated by one who understands the administration of key control.
- ❑ Verify that all keyways (profiles) cannot be purchased at local retail establishments.
 - Mandate patented key control for all lock and key products
- ❑ Audit the keys. Can you account for every key that has entered the system? Can you ensure that no “ghost” keys are in circulation? Can you determine who has access to all areas?
- ❑ Randomly audit all key holders. Determine who carries keys & which locks they open.

SPECIFYING HIGH SECURITY

- Specify environmental resistance to wear, dirt, moisture, corrosion and freezing, as well as physical attack
- Specify extensive master keying capabilities with one key operation
- Specify keying system options, profiles and security levels
- Cylinders should have no less than 10 million key combinations
- Specify key to be restricted and cylinder and key system to be patent protected
- Specify exclusive key combination code assignments
- Specify locks to be capable of being rekeyed to a new key combination code if keys are lost or stolen

YOU HAVE A CHOICE!



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. By integrating the world's largest group of high security companies, ASSA ABLOY has established a unique position within this industry. The ASSA ABLOY High Security Group companies together provide comprehensive high security locking solutions.

For more information on high security locking solutions please contact us:

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