



Master and General Keying

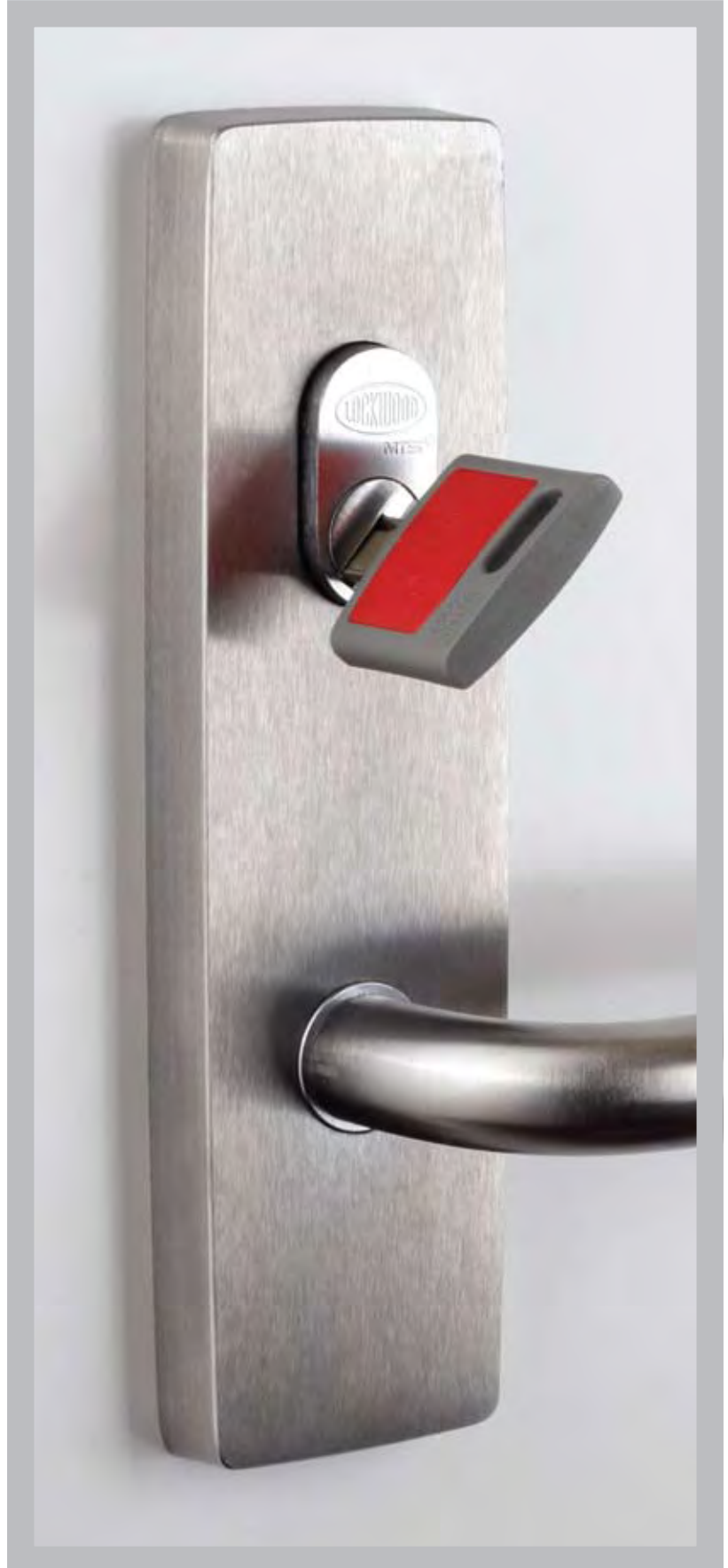


ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

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The locks, hardware and accessories that you install on your buildings all rely on the integration of the lock cylinder and the key. The lock cylinder and key constitute the keying system. The lock cylinder is central to the lock mechanism installed on your door. This combination controls who is allowed or denied access to the door.

ASSA ABLOY Australia Pty Limited manufacture a range of Lockwood cylinders to suit residential and commercial applications.

With technological changes in the security industry, you now have a choice of how you wish to secure your premises and control the access throughout the building.

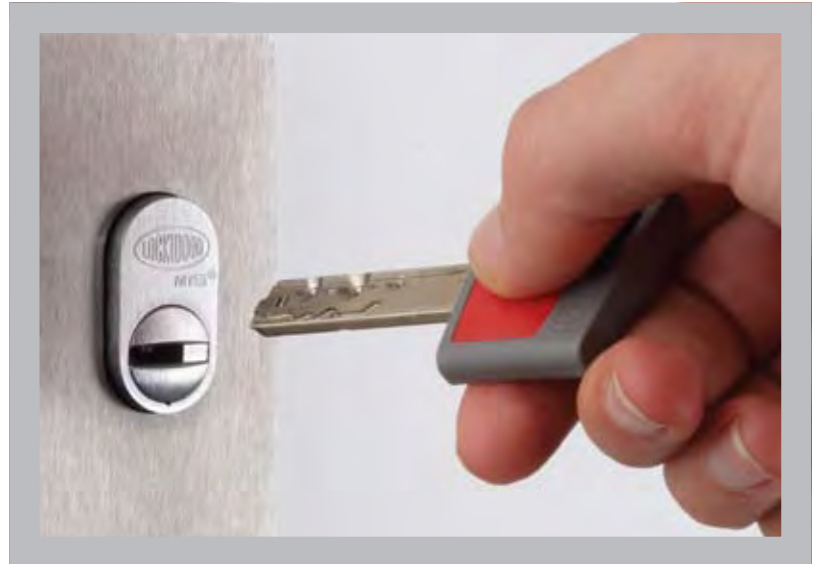
To begin with, you have a choice of a standard pin tumbler mechanism as shown right. This is a convenient system available in five and six pin variations and suitable for residential and commercial applications.

The next option is a keying system that incorporates features such as Design Registration and Patent Protection. This legal protection enables ASSA ABLOY Australia Pty Limited to control the distribution of the keys and keyblanks.

Control of the distribution of keys and keyblanks ensures that only authorised companies and individuals can purchase additional keys for your premises. Eg: Lockwood MT5, Lockwood Twin® and Lockwood Generation Six® keying systems.

Only security professionals who have complied with strict guidelines are able to purchase certain Lockwood restricted keying system products. These professionals maintain your keying system by verifying signatories that the authority criteria has been met.

Once you have established the type of keying system that suits your needs, you can consult our Special Keying Advisory Service, to determine the keying schedule for your building. This may be a Grand Master key system, a Master key system or the simplicity of one key convenience for your home.



Lockwood MT5

The MT5 Technology is the very latest used in Lockwood key systems. Two systems, MT5 and MT5+, use the technology which features the Alpha Spring, Telescopic Pins and Locking Bar. MT5 Technology offers the highest technical key copy protection of all Lockwood systems.

Lockwood Twin®

This is a keying system where the cylinder and key combination is protected by patent and the key profile by registered design.

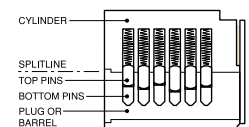
Lockwood Generation Six®

The range of key and barrel profiles in the Lockwood Generation Six system are Design Registered in Australia and New Zealand. This is a six pin in-line keying system that is able to be transferred to a Lockwood Generation Six Service Centre, or can be maintained through our factory.

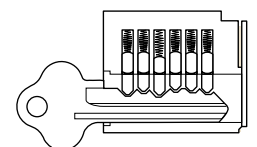
General Keying Profiles

Standard Lockwood cylinders and locks are available to be specially keyed to suit your individual requirements. This allows you to choose the keying access to suit your needs, without restricting access to key cutting

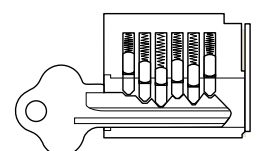
The Pin Tumbler Mechanism



A standard pin tumbler cylinder with the key removed, showing the top pins held in their locking position across the splitline between the plug or barrel and cylinder.



The same cylinder with the correct key inserted, showing pin-breaks aligned with the splitline between the plug or barrel and cylinder, allowing the key to be turned.



The same cylinder with an incorrect key inserted showing the pin-breaks misaligned with the splitline, preventing the key from being turned.



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Master Keying Information

Special Keying Systems

Most Lockwood locks with pin tumbler cylinders are supplied individually keyed. To provide extra convenience and security, specially keyed systems have been developed to enable the customer to control those locks which an individual is authorised to operate.

A specially keyed system designed to meet your individual requirements can be included in the specification of a new building or can be gradually introduced into an existing complex as old locks are replaced.

Specially keyed systems tend to grow as businesses grow. Therefore, align your keying needs with your projected growth.

Once you install a Lockwood specially keyed system, you open a permanent line of security. Our records enable duplicate keys or additional locks to be supplied with ease and accuracy, but only on receipt of an official order, with all special keying records kept in strictest confidence.

Special Keying Advisory Service

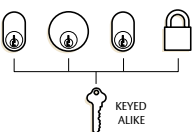
Lockwood keying systems include a free Special Keying Advisory Service to assist in selecting and designing the most appropriate keying system for your needs. Contact your Lockwood representative for details.

Keyed to Differ (KD)



With a keyed to differ system, each lock can only be opened by its own individual key. All Lockwood locks are supplied 'keyed to differ' unless a special keying system is requested.

Keyed Alike System (KA)

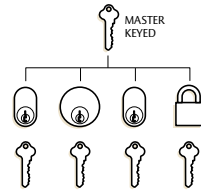


This system allows for a number of locks to be operated by the same key, it is ideally suited to residential applications such as front and back doors. There is no limit to the number of locks which can be keyed alike.

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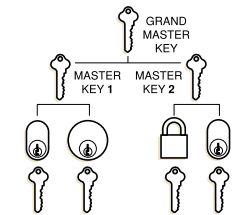
Master Keyed System (MK)

A Master keyed system is one where each lock has its own individual key which will not operate any other lock in the system, but where all locks in the system can be operated by one Master key.



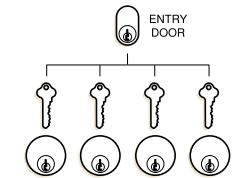
Grand Master Keyed System (GMK)

The Grandmaster keyed system is an extension of the Master keyed system where each lock has its own individual key and the locks are divided into two or more groups. Each group of locks is operated by a Master key, and the entire system is operated by one grand Master key.



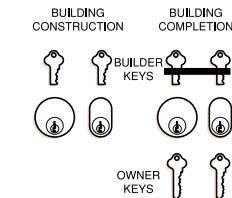
Maison Keyed System (MAIS)

This system is widely used in apartments, flats, office blocks, hotels and motels. Each apartment, flat or office has its own individual key which will not operate the lock to any other apartment, flat, hotel room or office but will operate the locks to communal entry doors and other services areas.

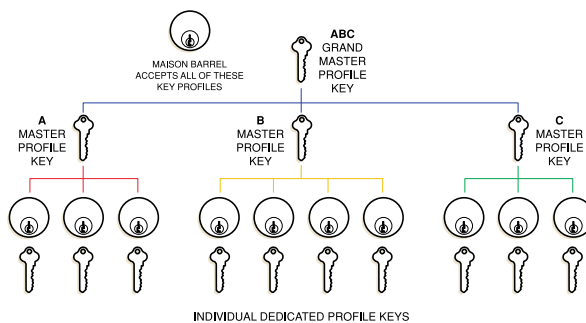


Construction Keyed System (CK)

A system where it is necessary for contractors to gain entry to a building during construction but to prevent entry by the same contractors after the building has been occupied or handed over.



Multi-Element Profile Keying System (MEP)



A series of unique element key profiles, where each element changes the overall shape of the profile. Each individual profile key will enter a dedicated key way. The elements of some of these individual profiles in a group can be incorporated in one profile, resulting in a Master Profile Key capable of entering all dedicated key ways in that group. Inclusion of all elements in the profile will result in a unique Grandmaster profile capable of entering all corresponding individual keyways created by the elements in the series.

The MT5 locking system

The new concept – three mechanisms for more security

To guarantee the technical key security of a mechanical locking system it is necessary to select a system that is protected by key patents and also offers a high technical key copy protection. The new MT5 locking system from Lockwood will achieve both of these.

Lockwood MT5 provides the highest possible level of protection against illegal key duplication via the revolutionary Alpha spring. In addition every Lockwood MT5 key will be covered by patent protection well into the future.

There are two levels of security, the base level is the MT5 cylinder that uses a telescopic pin and alpha spring for restricted security. MT5+ builds on this by adding a locking bar for optimum security and high level master keying capabilities.

1. Alpha spring

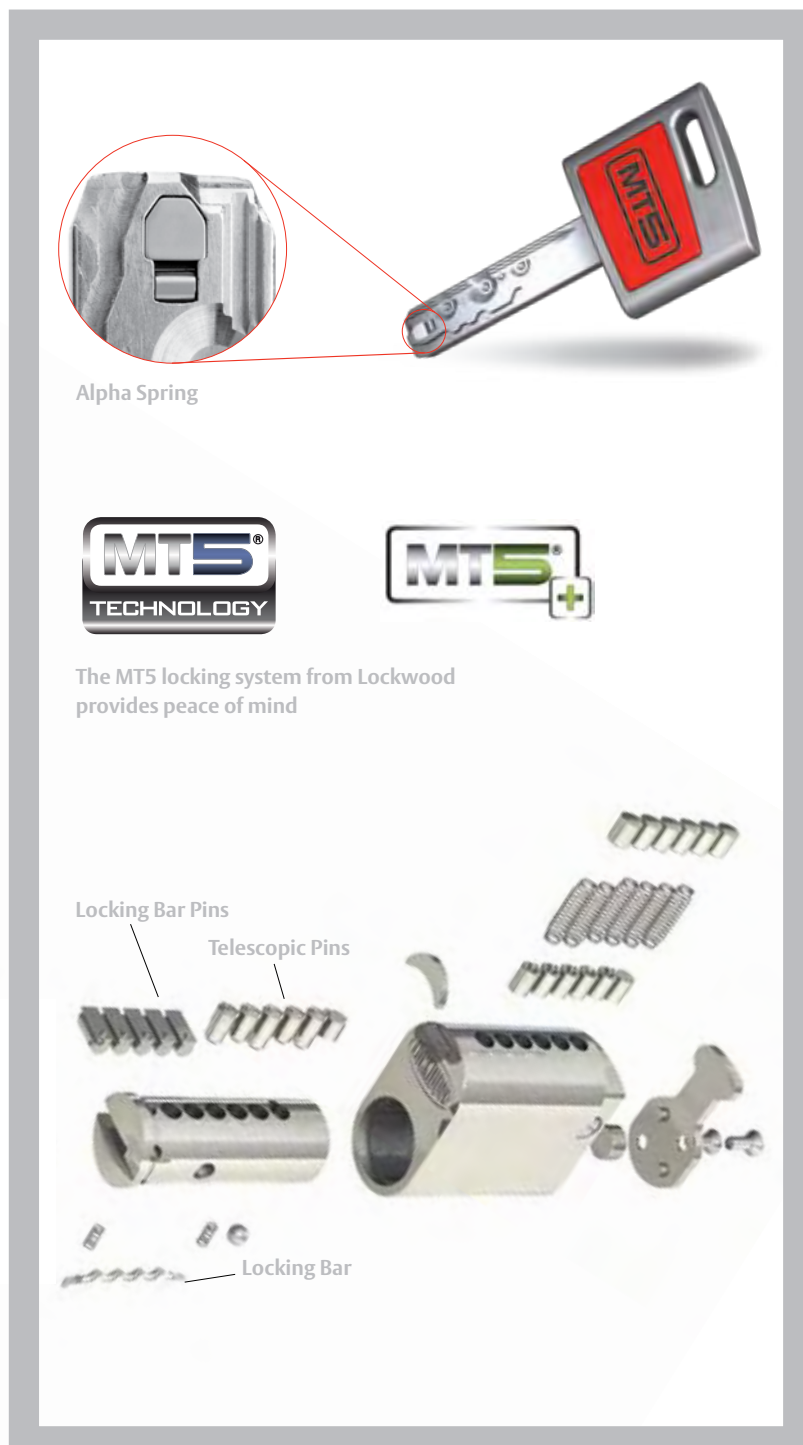
At the tip of the key is a revolutionary mobile interacting spring – the alpha spring. The alpha spring engages a unique pin at the rear of the cylinder mechanism creating another shearline.

2. Telescopic pin

This new-generation product is also based on a new configuration telescopic pin technology.

3. Locking bar

The locking bar mechanism is the third technology featured in the MT5+ cylinder. Correct alignment of the locking bar pins depends upon the correct combination key being inserted into the cylinder. The milled pattern which runs along the length of the key interacts with the top bar horizontal pins, creating the required shearline.



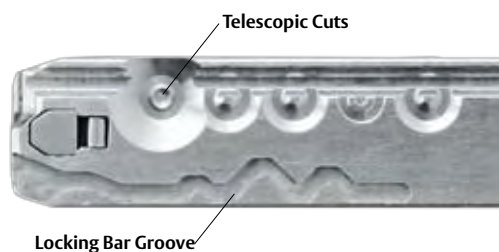
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Lockwood MT5 originals are hard to copy

MT5 key

All MT5 products have a double-sided unique MT5 key. One set of cuts are for the telescopic pin mechanism and the other cut, the milled pattern, is for the locking bar in MT5+ products. The MT5+ combination provides enhanced key security and a higher manipulation resistance.



MT5 cylinders with reversible key function. The key always fits, regardless of which direction it enters into the cylinder.

The KC5 key cutting machine

Lockwood MT5 keys can only be cut through an authorised Lockwood MT5 agent on a dedicated Lockwood KC5 key cutting machine. The super smart KC5 machine is electronically controlled and self calibrating meaning you get a perfect key every time!

The components of the MT5 security system include the MT5 key and the MT5 KC5 cutting machine.



Lockwood Twin® Keying System

The Lockwood Twin® system ensures peace of mind with effective key control by employing stringent measures for the supply of key blanks patented features. Design registration of the profiles prevents unauthorised duplication.

Master key systems provide security by restricting the access of each individual to only those areas they are permitted. Each individual needs only one key to enter their designated areas, improving convenience. The need for multiple keys can create confusion and key control is more difficult.

A Lockwood Twin® Master key is designed for your exclusive use. The cylinder lock, key combination and key blank are patented, so that unauthorised duplication is legally prohibited. The key operates every Lockwood Twin lock that has been built to your unique specification. However, it will not operate any locks other than your own, nor will any other master key open the locks you use.

Control of Keyways

The Lockwood Twin keyway is the combination of the key's profile and its side-code.

Patents

Strong international patents protect the cylinder lock and key combination and the key blank of the Lockwood Twin product. Patent Protection ensures exclusivity by legally barring the sale of unauthorised manufactured or imported cylinder locks, keys and key blanks.

Design Registration

The keyblank is protected from unauthorised duplication not only by patent but also by design registration of the profile.

Lockwood Twin Overview

Each Lockwood Twin key has a unique security feature: an extra set of bitting along the side of the blade – the side code – in addition to the usual top. The side code acts on side pins to line up with a side bar in the cylinder. Each key (or key set) also has a unique pattern of side grooves on the blade, forming the profile.

A key with the wrong Twin profile cannot even be inserted. A key with the wrong side code cannot release the side bar. For a key to open a lock, it must have the correct profile, side code and top code.



Side Code + Profile = Twin® Keyway

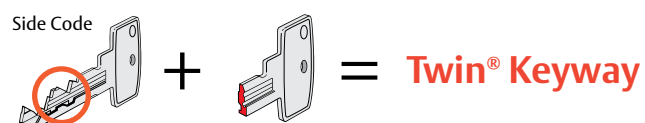
The unique combination of side code and key profile is the keyway. Supply of keys by Lockwood or one of its Lockwood Twin Dealers is under customer signature control.

Identification of Keys

Individual keys within a master key system can be easily recognised through the use of colour coded inserts. There are a total of twelve colours to choose from.

Lockwood Twin:

- Patent protected;
- Dual pinning mechanism;
- Pick-resistant design;
- Drill protection;
- Powerful high security deterrent to unauthorised entry;
- Key Control "from the factory floor to your door";
- Design Registration of all key profiles.
- Master Keying for security and convenience.
- Suits new installations.
- Retrofits into most existing locks.



Master and General Keying



Generation Six®

Lockwood Generation Six®

The Lockwood range of legally protected key control systems includes Generation Six®, a 6 pin tumbler system with a series of different key profiles.

Features and Benefits:

- Nickel silver keys for strength;
- Restricted keying system (key control);
- Australian manufactured components;
- Lockwood proven design and manufacturing quality;
- Flexibility in distribution / system control
- Colour coded inserts for key identification;
- Premium Service Centre network of established locksmiths, governed by legal agreement.

Legal Key Control

Key control is fundamental to the security of your building. Legal protection has been

afforded to Generation Six keying system in the form of design registration in Australia and New Zealand of the key and barrel profiles.

Serviced Level System

Generation Six Serviced level systems are initially assembled by ASSA ABLOY Australia Pty Limited.

Once the system has been supplied, the system records are available to be transferred to an approved Generation Six Service Centre.

Generation Six Service Centres

The use of a Generation Six Service Centre permits local servicing of the system for day to day requirements. Each system is registered and signatory control applies to additional requirements.

Identification of Keys

With a distinctive keyhead shape, individual keys within a master key system can be easily recognised through the use of colour coded inserts. There are a total of twelve colours to choose from.



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Specification Service

For all Architectural hardware specification assistance refer to your local ASSA ABLOY Sales Office.

A fully comprehensive, obligation free, Architectural Door Hardware specification can be prepared by Architectural Hardware Representatives.

Quality Endorsed Company

SAI Global operates a program which assesses the quality procedures and capabilities of an organisation in terms of the requirements of specific Australian and International Standards for Quality Systems. Following assessment by SAI Global, ASSA ABLOY Australia Pty Limited,



235 Huntingdale Rd, Oakleigh VIC 3166 have been granted a certificate of registration as a quality endorsed company complying with the requirements of AS 3902/ISO 9001 –

Quality Systems for Production and Installation.

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Whilst every effort has been made to ensure that the information contained in this catalogue is accurate at the time of publication, ASSA ABLOY recommends that you consult ASSA ABLOY or its agents prior to placing an order to ascertain current information on specific products, as ASSA ABLOY reserves the right to make changes without notice. ASSA ABLOY will not be liable for any injury, loss or damage whatsoever, arising from any errors or omissions in the information contained in the catalogue or arising from the use or application of the information contained herein. This catalogue does not constitute an offer for the sale of any particular product.

Lockwood Guarantee and Care & Maintenance

Please go to lockweb.com.au for details on Lockwood Guarantee and product care & maintenance.

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LOCKWOOD

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Lockwood is the leading brand in the Australian locking industry. With an established reputation for high quality products, this iconic brand provides a wide range of locking solutions to residential housing, commercial building and industrial application markets. Lockwood is supported by an extensive distribution and after-sales support network. Our customers include retailers, architects, trade and industrial personnel, locksmiths and security dealers.

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

ASSA ABLOY is represented in all major regions, in both mature and emerging markets, with leading positions in Australia, Europe and North America.

As the world's leading lock group, ASSA ABLOY offers a more complete product range of door opening solutions than any other company in the market.

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