

Keying and Cylinders



We take the worry out of
protecting what's valuable to you.
Lockwood: *no worries*[®]

LOCKWOOD

ASSA ABLOY

MECHANICAL
WARRANTY

www.lockweb.com.au

Overview

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. 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.

Control of the distribution of keys and keyblanks ensures that only authorised companies and individuals can purchase additional keys for your premises. e.g. Lockwood MT5 and Lockwood GEN6T® 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 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.

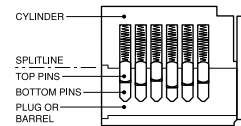
Lockwood GEN6T®

The range of key and barrel profiles in the Lockwood GEN6T system are Design Registered in Australia and New Zealand. This is a six pin inline keying system that is able to be transferred to a Lockwood GEN6T Service Centre, or can be maintained through our factory.

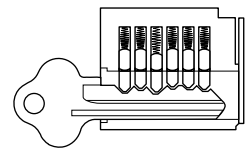
General Keying Profiles

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.

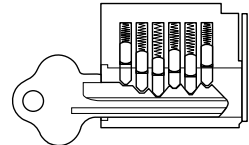
The Pin Tumbler Mechanism



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.



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.

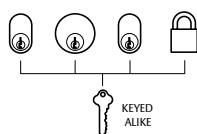
Once you install a Lockwood specially keyed system, you open a permanent line of security. Our records enable duplicate keys or additional locks to be supplied with ease and accuracy, but only on receipt of an official order, with all special keying records kept in strictest confidence.

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.

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 Grand Master 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.

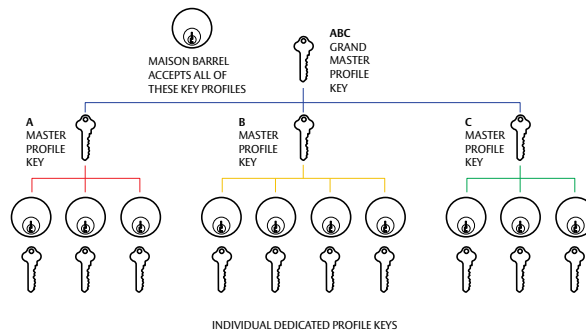
Maison Keyed System (MAIS)

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.

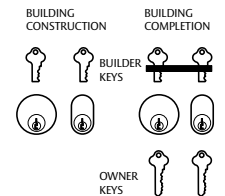
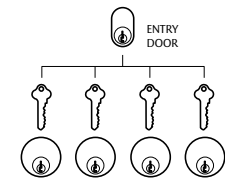
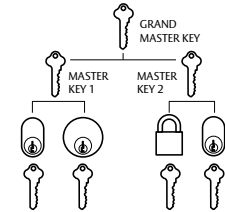
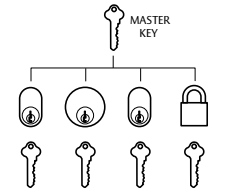
Construction Keyed System (CK)

A system where it is necessary for contractors to gain entry to a building during construction. Once construction is complete the owners keys will block further access by the contractors.

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 keyway. 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 keyways in that group. Inclusion of all elements in the profile will result in a unique grand master profile capable of entering all corresponding individual keyways created by the elements in the series.



The new concept – three mechanisms for more security

The MT5 locking system from Lockwood provides peace of mind!

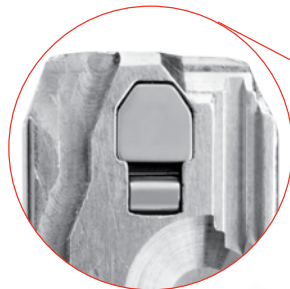


To guarantee the technical key security of a mechanical locking system it is necessary to select a system that is protected by key patents and also offers a high technical key copy protection. The new MT5 locking system from Lockwood will achieve both of these.

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.



Alpha Spring



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.

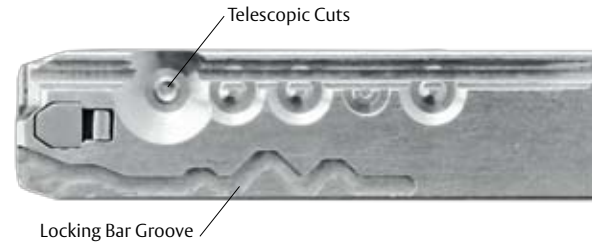


Lockwood MT5 originals are hard to copy

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

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 machine – For a perfect cut key every time!

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!



MT5 cylinders – for every application

Lockwood MT5 cylinders are available for a wide variety of applications. Whatever your needs we will have a solution to suit.



The following is a small selection:

Double cylinder



Half cylinder



Round rim lock cylinder



Cylinder padlock



Lock set cylinder



Lockwood oval cylinder

The cylinder type is the externally-visible shape of a cylinder.

Lockwood security solutions: More than just a keying system

In the centre of Lockwood security:

Premium quality MT5 locking cylinders for any purpose.

Lockwood offers a versatile range of possible applications of mechanical MT5 cylinders combined with other Lockwood products. These locks are best installed by combining them with high quality MT5 cylinders and can thus also be integrated into locking systems. Outlined below is a small selection.

Lockwood Paradigm

The Lockwood Paradigm cylindrical deadbolt delivers security while not compromising on safety, with **LOCKALERT** status indicator, **SAFETYRELEASE** and **DUALSELECT** locking. With stylish finishes available in a round or square version the Lockwood paradigm is the perfect choice for both residential and architectural applications.



Lockwood Paradigm provides security and safety home or the office.

Lockwood 930 series Key in Lever

Perfect for high traffic areas the Lockwood 930 series of commercial locksets are produced from high purity zinc alloy making sure your lockset will provide many years of trouble free use. The Lockwood 930 is available in a comprehensive range of functions and attractive finishes.



Lockwood 930 series suitable for commercial applications such as hospitals and schools.

Lockwood 9000 panic exit devices

This series of panic exit devices from Lockwood is designed to provide a ready means of escape at all times by the single action of pushing on a horizontal bar fitted across the full width of the door. The 9000 range includes models with cylinder and hold back function (dogging) and are compatible with a wide range of Lockwood door furniture.



Lockwood panic exit devices – suitable for stadiums.

For more information on Lockwood products available: assaabloy.com.au
1300 LOCK UP (1300 562 587)

Authorised Supplier:
Safeguard Locksmiths
www.safeguardlocksmiths.com.au
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