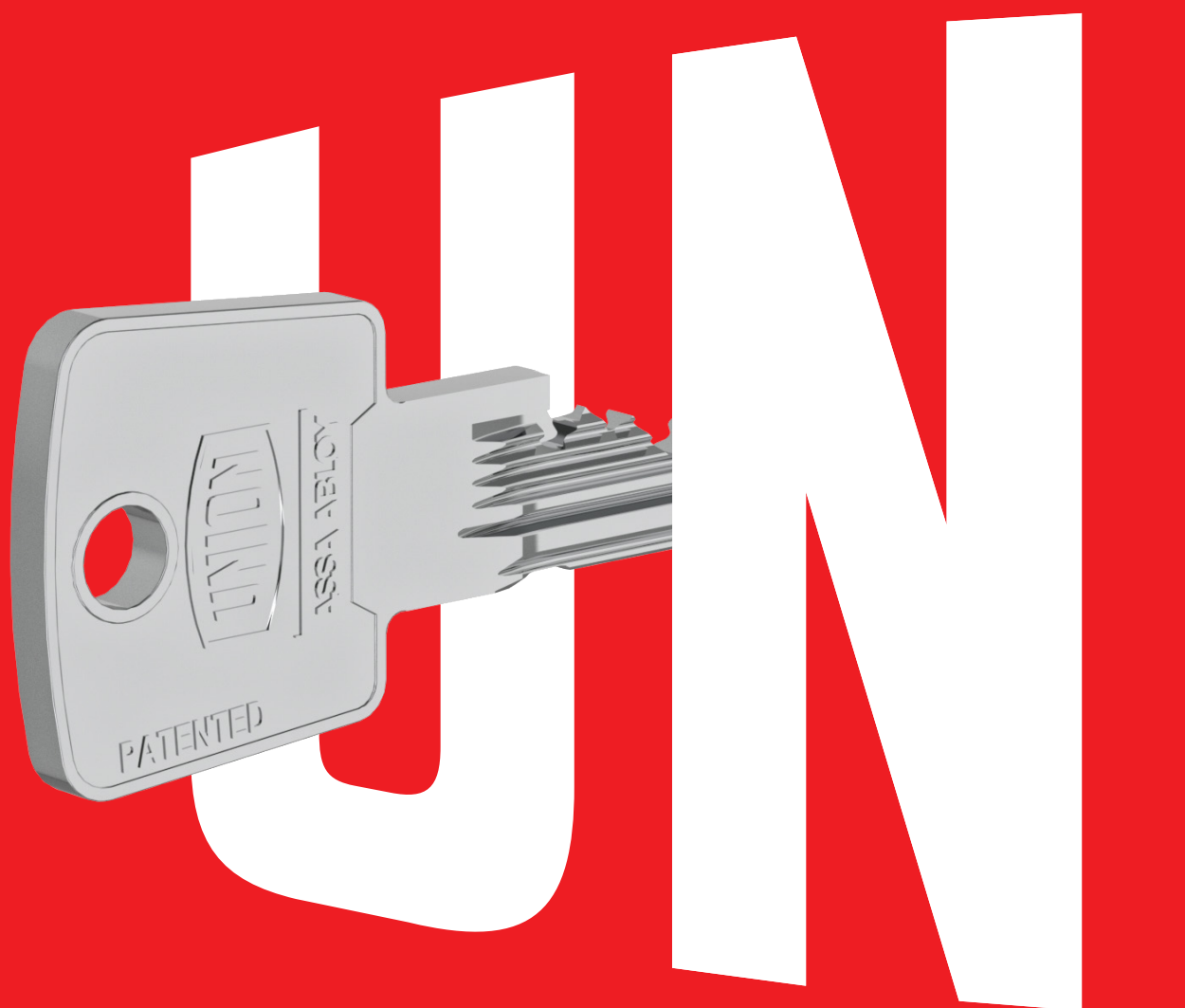


keyMASTER™ and keyPRIME™


Cylinder master key systems you can trust



Performance you can trust

Technical support

We're here to help with technical support.

 +44 (0)1902 364189

 master.key@assaabloy.com

 uniononline.co.uk

ON

MADE IN
BRITAIN 

Master key systems

For peace of mind

As a market leader in locks and door hardware we are proud of our heritage. With over 180 years of British engineering, experience and expertise we manufacture and supply products that give you performance you can trust.

Our brand has evolved and is renowned in more than 80 countries globally across many different applications.

From commercial to residential, education to healthcare, people and businesses rely on UNION for safety and security.

We offer master key cylinder solutions for a wide range of projects, all underpinned by our unrivalled dedicated UK master keying team.

Master key suites:

- Patented master key solutions
- Experienced UK master keying team
- Precision European engineering
- State-of-the-art manufacturing facility
- Solutions to suit a wide range of requirements
- Certified to EN 1303:2015 standard
- Tested in association with the United Kingdom Accreditation Service



The importance of key security and patent protection

A patent is a right given for an invention to prevent others from making, selling, using or importing a particular product or process for a period of up to 20 years.

For an invention to be patentable, it must be:

1 New

2 Useful

3 Non-obvious

Patents are wholly concerned with the functional aspect of a product or process. In the case of key copy protection, the function of a key is covered within patent law.

If there is no existing patent, then you are not protected.

Our master key systems

keyMASTER™

Our flagship master key platform with a trusted serrated key technology along with a superior, robust build quality.

The range has secure patent protection until 2036 and is tested to the stringent requirements of EN 1303:2015.

The groove detector patent, with a moving detector pin and front profile technology enhances the security of the cylinder and makes it even harder for keys to be unlawfully replicated.

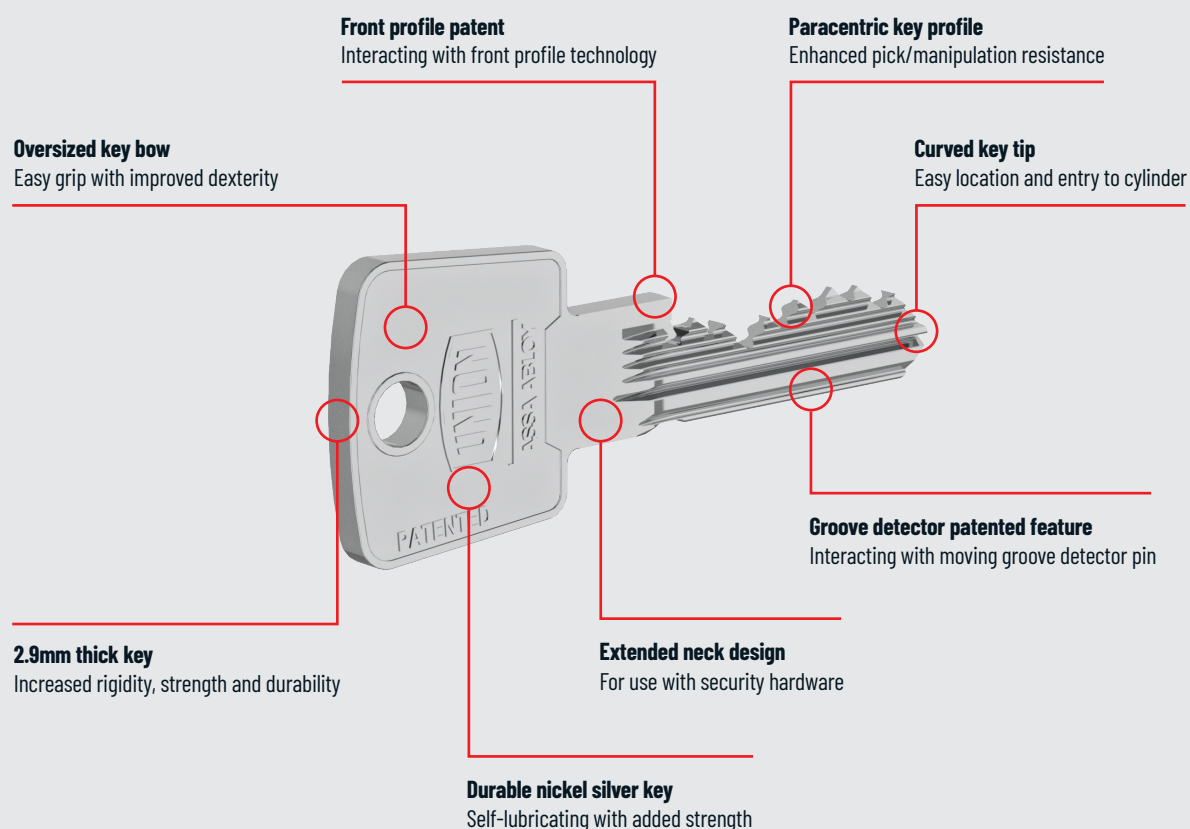
The 6 pin cylinder platform utilises trusted serrated key technology and a robust cylinder design which is perfect for large master key system requirements and for use in the toughest of environments.

The range can be specified to ensure all modern specification requirements are accommodated, and backed with the assurance of a high-quality British product design.

Available finishes

	Satin nickel
	Satin chrome
	Chrome
	Polished brass
	Satin brass
	Antique brass
	Matt black (coming soon)

Available thumb turns



Product performance

- Patented until 2036
- 550,000 keying combinations for medium/ large master keying requirements
- 5 minutes drilling resistance
- 15kN pulling resistance
- Picking resistance
- Bumping resistance (KD only)
- 500,000 cycles performance in durability test
- 96 hours corrosion resistance

Fire rating



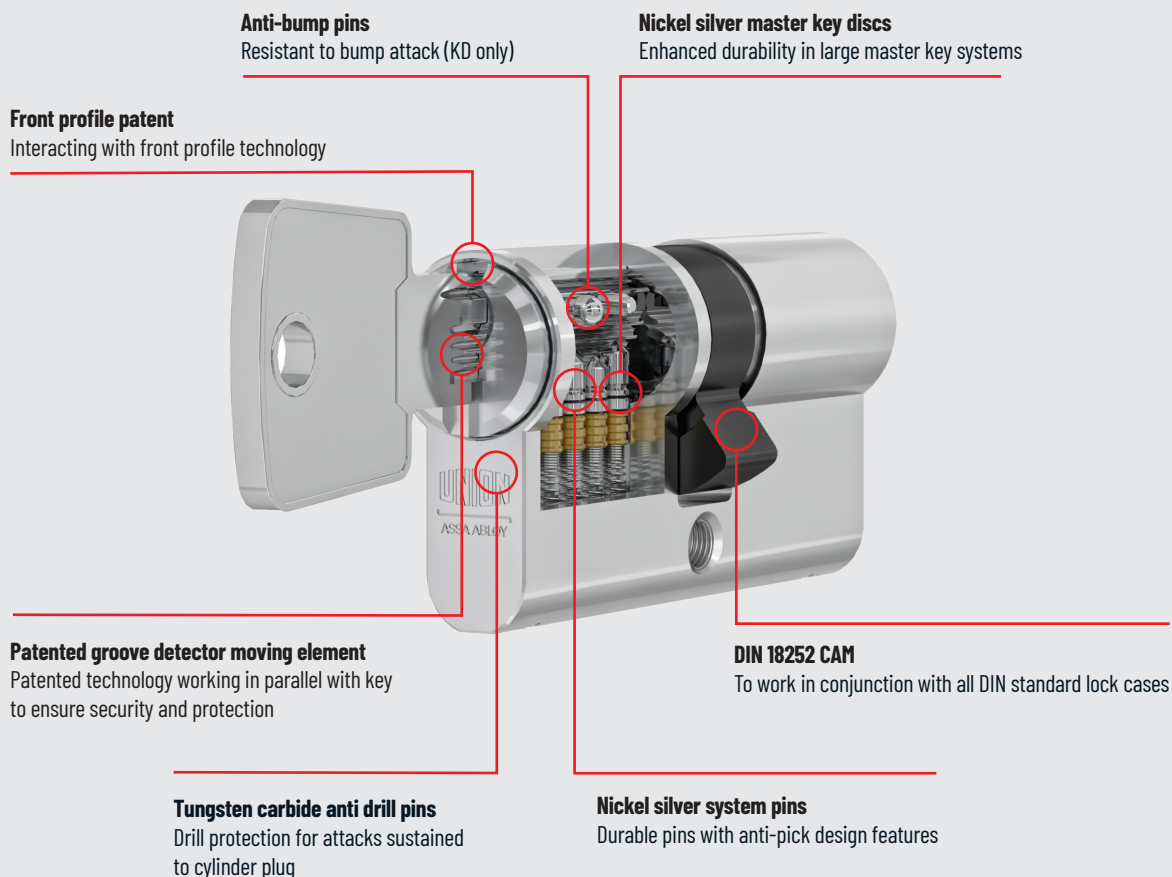
Classification table

Classification No.	1	6	0	B	0	C	6	D*
EN 1303:2015								

*When used in conjunction with high security escutcheon

Product code breakdown

Optional							
J M 2 KMET 3040 SN 3 L							
Packaging code	Keying type	Turn style	Product code	Length	Finish	Hand	Turn function
J = Boxed	M = Master keyed	- = Round	KMED = Euro double	Single available 30 - 80mm	UNION keyMASTER cylinders available in the following finishes:	L = Left R = Right	2 = Clutch release
All UNION cylinder products are supplied boxed	- = To differ	1 = Diamond	KMES = Euro single	See size table or UNION catalogue for more details	SN = Brushed satin nickel	(Only applicable with classroom function)	3 = Classroom function
		2 = Stadium (Default)	KMET = Euro key and turn	For key and turn cylinders, the first length denotes the turn side	SC = Satin chrome		(Leave out code if none of these functions are required)
		3 = Large	KMOD = Oval double		PB = Polished lacquer brass		
			KMOS = Oval single		CH = Chrome		
			KMOT = Oval key and turn		SB = Satin brass		
					AB = Antique brass		



Our master key systems

keyPRIME™

A sleek, modern cylinder system designed with economy, safety and security in mind for all modern building requirements.

The cylinder platform boasts secure patented protection until 2036 and is tested to the stringent requirements of EN 1303:2015 for all security needs.

The solid 3mm reversible key is durable and rigid to withstand the toughest environments

Designed with symmetrical faces and no sharp edges, the system is simple and easy to use as the key will work no matter which way it's inserted.

The removal of sharp edges and corners from the key design makes the system a perfect solution for healthcare and education applications, as the key is prevented from being used to cause harm to users, patients or pupils.

The 6 pin cylinder platform utilises robust dimple key technology which is designed for high use environments; the system is available in a range of cylinder profiles and functions to suit new specification requirements.

Available finishes

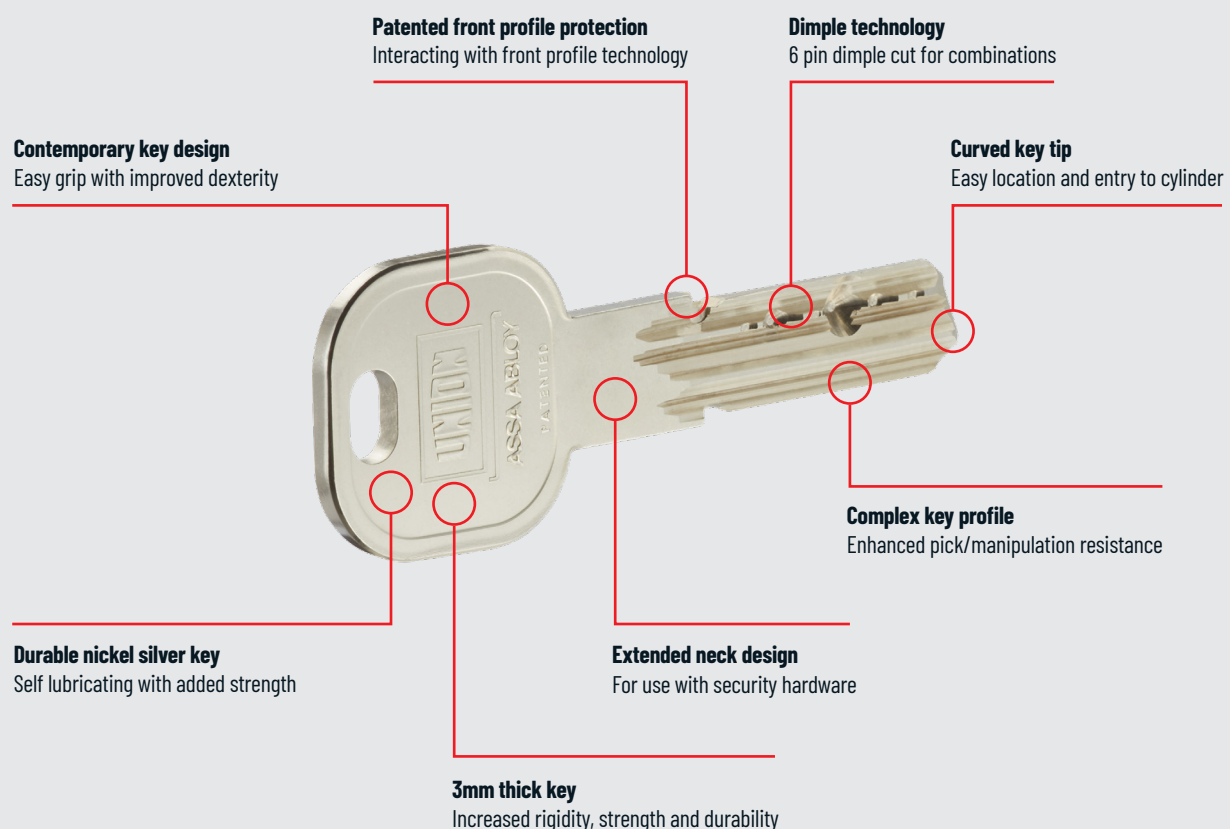


Satin nickel

Available thumb turns



Diamond turn



Product performance

- Patented until 2036
- 97,000 keying combinations for average/medium master keying requirements
- 5 minutes drilling resistance
- 15kN pulling resistance
- Picking resistance
- Bumping resistance (KD only)
- 500,000 cycles performance in durability test
- 240 hours corrosion resistance

Fire rating



Classification table

Classification No.	1	6	0	B	0	C	5	D*
EN 1303:2015								

*When used in conjunction with high security escutcheon

Product code breakdown

J M - KP ET 3040 SN					
Packaging code	Keying code	Key platform	Cylinder type	Cylinder length	Finish
J = Boxed	M = Master keyed	KP = keyPRIME	EURO PROFILE:	EURO PROFILE:	SN = Satin nickel
All UNION cylinder products are supplied boxed	(Leave out code if product is keyed to differ)		ES = Euro single	Euro cylinders available up to 800mm length per side	
			ED = Euro double		
			ET = Euro turn	Single cylinders stated as '3010' e.g. 40mm	
			OTHER CYLINDER SHAPES	For key and turn cylinders, turn side is always identified as in the example above T30/K40	
			RIM = Rim		
			SCAN = Scandinavian	OTHER CYLINDER SHAPES	
			CAM = Cam lock	Sizes not required to be stated	
			PADLOCK		
			PAD = Padlock		

Hardened anti-drill pins

Drill protection for attacks sustained to cylinder plug

Patented front profile protection

Interacting with front profile technology

Nickel silver master key discs

Enhanced durability in large master key systems

Hardened steel anti-drill pins

Drill protection for attacks sustained to cylinder body

DIN 18252 CAM

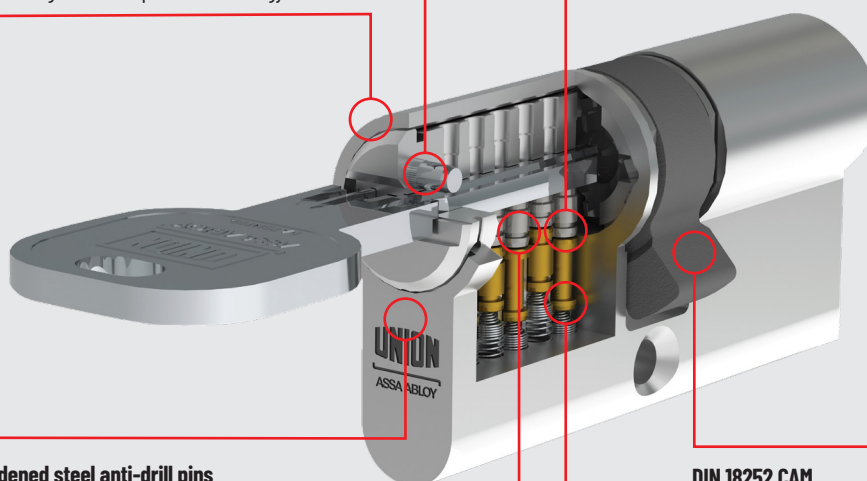
To work in conjunction with all DIN standard lock cases

Nickel silver system pins

Durable pins with anti-pick design features

Anti-pick drivers

Resistance to pick attack



Our master key systems

Product selector

Product range offering	keyPRIME™	keyMASTER™
Euro profile single cylinder	●	●
Euro profile double cylinder	●	●
Euro profile key and turn cylinder	●	●
Oval profile single cylinder		●
Oval profile double cylinder		●
Oval profile key and turn cylinder		●
Rim cylinder	●	●
Rim mortice cylinder		●
Scandinavian oval cylinder	●	●
For medium master key systems (up to 1,100 differs under a master key)	●	●
For complex master key systems (Up to 4,000 differs under a master key)		●

Product technical features	keyPRIME™	keyMASTER™
Number of system pins	6	6
Additional blocking feature e.g. sidebar		●
Number of usable differs	97,000	550,000
Patented key control	●	●
Patent protection	2036	2036
Anti-pick features	●	●
Anti-bump features	Optional	Optional
Drill protection in body and plug	●	●
Patented moving element		●
Guarantee	5 years	10 years

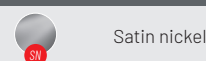
Keys	keyPRIME™	keyMASTER™
Key material	Nickel silver	Nickel silver
Replacements keys cut by manufacturer	●	●
Key blanks and local key cutting available	●	●

Additional features	keyPRIME™	keyMASTER™
Classroom / clutch functions available	●	●
Maximum cylinder size available (half euro)	90mm (80/10)	90mm (80/10)
Maximum cylinder size available (euro key/key & key/turn)	160mm (80/80)	160mm (80/80)
Offset cylinder sizes available	●	●
Rim cylinders available	●	●
Alternate profile cylinders (UK oval, mortice, Scandinavian, cam lock)	Scandinavian and cam lock	●
Padlock integration option	●	●

Turn range	keyPRIME™	keyMASTER™
Stadium turn		●
Round turn		●
Diamond turn	●	●
Large turn		●

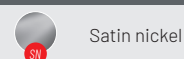
Fire rating	keyPRIME™	keyMASTER™
Timber FD30	●	●
Timber FD60		●
Steel FD240		●

Finishes for keyPRIME™

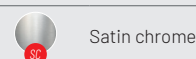


Satin nickel

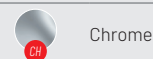
Finishes for keyMASTER™



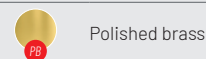
Satin nickel



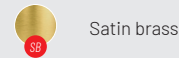
Satin chrome



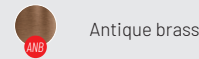
Chrome



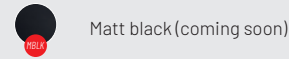
Polished brass



Satin brass



Antique brass



Matt black (coming soon)

Certification for keyPRIME™

Durability
Grade 6

Key related security
Grade 5

Physical security
Grade D

Certification for keyMASTER™

Durability
Grade 6

Key related security
Grade 6

Physical security
Grade D

For master key enquiries:

+44 (0)1902 364189

master.key@assaabloy.com

uniononline.co.uk



Shield high security

For ultimate security

- Certified to EN 12320:2012
- Interchangeable cylinder for use with all UNION master key systems
- Case hardened steel bodies and shackles
- Hardened anti-drill plate on padlock base and a corrosion resistant finish on padlock body



**MADE IN
BRITAIN**



Why choose us?



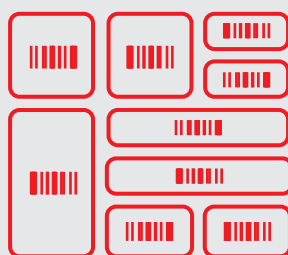


We are constantly investing in our manufacturing facility to ensure we meet our customers service needs.

With this investment our machinery is able to produce a key every 17 seconds!



We produce hundreds of thousands of UNION keys, cylinders and padlocks from our state-of-the-art Midlands based facility.



All products are split packed and barcoded for ultimate traceability and security giving peace of mind.



Our dedicated master key team is made up of 8 people who have over 200 years of experience and expertise combined.

ASSA ABLOY Opening Solutions UK and Ireland,
School Street, Willenhall, West Midlands WV13 3PW, UK

Tel: +44 (0)1902 364189
Email: master.key@assaabloy.com
Web: uniononline.co.uk

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Performance you can trust