

Patently better



P600

Patented Masterkey System

ASSA
ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions



ASSA Cylinders for every application

In response to customer demands the ASSA cylinder range has been extended and improved, ensuring the highest possible levels of security and patent protection for all cylinder applications.

With a heritage of quality and understanding the importance of high security, combined with forward thinking and innovation, ASSA are patently the market leaders in cylinders.

Security and key protection

ASSA cylinders are designed to meet the demands and requirements of the modern age. Their distinctive pin-tumbler mechanism with extremely tight tolerances offers a flexibility in masterkeying that meets any end-user need, without compromising security. ASSA cylinders offer three complementary types of protection:

Physical Security

Physical security guards against direct attack, whether using brute force or more subtle methods of cylinder manipulation. ASSA cylinders are offered at five different levels of security, from Medium to Maximum. The following security measures are present on some or all cylinder series:

- Pick-resistant pins:** All cylinder series
- Hardened steel drill-resistant inserts:** ASSA P600, ASSA 4800, Twin Combi 5800, dp4400, ASSA CLIQ™
- Paracentric profile:** ASSA P600
- Patented sidebar mechanism to resist picking (Additional blocking element):**
ASSA 4800: 3 sidepins
ASSA Twin Combi 5800: 5 sidepins
ASSA dp4400 and dp2400: 10 handed sidepins and force-controlled sidebar
ASSA CLIQ™: force-controlled sidebar
- Electromechanical blocking element:** ASSA CLIQ™

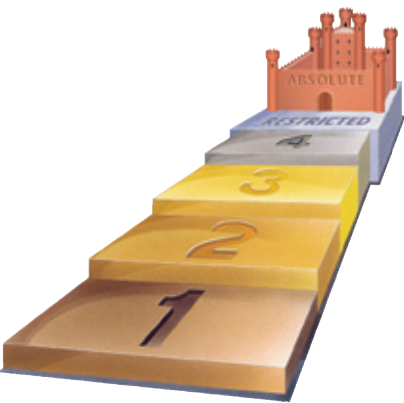
The combination of lockcase, cylinder accessories, fixing method and shape of the cylinder also affect the level of physical security. ASSA cylinders are available in a wide variety of shapes ranging from the Medium security profile cylinders to the Maximum security ASSA CLIQ™ cylinders.

	Maximum Security	ASSA CLIQ™
	Extremely High Security	ASSA dp4400
	Very High Security	ASSA Twin Combi 5800
	High Security	ASSA 4800 ASSA P600
	Medium Security	ASSA Flexcore Plus

Key Protection

Key protection defends against the more insidious threat of intruders using unauthorised copies of keys to gain access. For ASSA the protection and safeguarding of the end user is essential. Our concept of key control is unique and is part of our commitment to our customers and protection of their assets, buildings and staff. Effective security requires effective control and management of keys. This is true both for a single lock on a door and a large and complex masterkey system.

If it is possible for anybody to obtain a key, the premises become vulnerable to unauthorised or criminal intruders. On the other hand, if it is too difficult to obtain spare keys, legitimate users will be inconvenienced. To balance this problem, ASSA offers five graded levels of key protection (steps 2-6). Each step provides a different balance between convenience and security, enabling us to meet the customer's precise requirements.



Patent Protection

Effective key control systems rely on the fact that keys are only available from specific, authorised security centres. Unfortunately, the abolition of copyright protection on keys from August 1999 has made it possible for anybody to produce and sell most types of keys, thus bypassing this protection.

The only exception to this is key systems which are protected by up-to-date patents. Manufacturers are still able to take legal action against unauthorised third parties distributing copies of patented keys without permission. All registered key systems (Steps 2-6) from ASSA are protected by new international patents. We are committed to vigorously defending our patents whenever necessary to ensure the continued security of our customers.

	ASSA Flexcore Plus	ASSA P600	ASSA 4800	ASSA Twin Combi 5800	ASSA dp4400	ASSA CLIQ
STEP 6: ABSOLUTE REGISTRATION Keys are only available from ASSA. A strict system of registration is laid down involving authorised signatures and a code-marked keycard.					✓	✓
STEP 5: RESTRICTED REGISTRATION Keys are available from authorised ASSA dp Centres. A registration procedure is agreed between the customer and a specific stockist, setting out the procedure for obtaining extra keys.					✓	
STEP 4: STOCKIST REGISTRATION Keys are available from authorised ASSA Centres. A registration procedure is agreed between the customer and a specific stockist, setting out the procedure for obtaining extra keys.	✓	✓		✓		
STEP 3: IN-HOUSE REGISTRATION Key blanks are available for sale to recognised end users, such as hotels, colleges, and ships. Cutting is then directly under the control of the customer.	✓		✓	✓		
STEP 2: LOCAL REGISTRATION Keys can be purchased through authorised retailers. However, a Letter of Authority or official Order Form must be presented.	✓		✓			
STEP 1: UNREGISTERED Keys can be freely purchased through any retailer, with no restrictions on availability.						



ASSA P600

In response to our customers demands for a robust, high security cylinder, we are proud to introduce the all new P600 Patented 6 Pin Cylinder from ASSA.

With patented features combined with precision engineering and cross function compatibility, the P600 is unrivalled in its class.

ASSA P600 is based on a new pin technology together with a paracentric key profile. It is a new way of thinking; the aim is to create a new standard cylinder used for masterkey systems in a simple way but without compromise.



Pins

Special security pins with wings and 2 tips on each pin together with the combinations of the masterkeying codes, make the cylinder highly bump resistant.



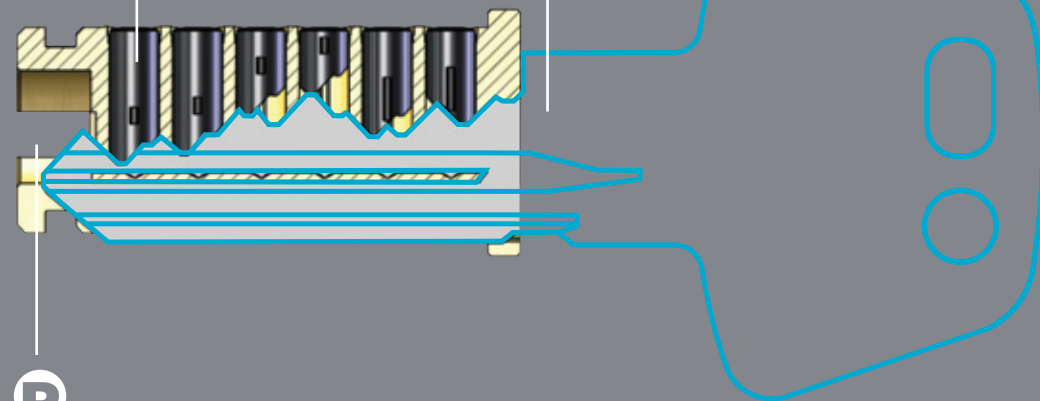
Protected key blank

Extended keyneck allows the use of security accessories on Euro profile cylinders.



Precision engineering

Engineered using the highest quality materials.



Paracentric keyway

The paracentric keyway of the inner offers high protection against picking.

A minimum inner projection allows the use of security accessories.



Proven technology

All backed up by ASSA's considerable expertise and enviable reputation.



Purpose built

A variety of cylinder shapes so one masterkey system can cover different applications.

ASSA have developed a cylinder with the customers' needs firmly in mind to provide a product that offers a number of key benefits, including greater security, reliability, strength and the capability to handle complex masterkey systems on one key profile.

We call these our 6P Benefits:



Benefits



Profile of the key - paracentric to prevent picking and extended keyneck to allow the use of security accessories



Pins - special security pins with wings and 2 tips per pin for enhanced security



Protected key blanks - patented to ensure keys cannot be duplicated by unauthorised parties



Precision engineered using high quality materials



Purpose built - a variety of cylinder shapes so one masterkey system can cover different applications



Proven technology - all backed up by ASSA's considerable expertise and enviable reputation

ASSA P600 is available in a full range of cylinder shapes, allowing the system to be used with all common types of lock cases. With ASSA P600 it is possible to install one system covering all applications, from external and internal doors, to cabinets and padlocks.



Euro Profile Cylinders

For use with locks accepting Euro profile cylinders.

Standard lengths are:

Single 40mm and 45mm
Double 61mm and 71mm
W/Turn 61mm and 71mm

Extended length cylinders are also available.

Optional functions:

A1 Classroom, clockwise
B1 Classroom, anticlockwise
C1 Clutch
DA1 Dual action

P622 Double Cylinder
P623 Single Cylinder
P627 Single Cylinder with oval turn
P624 Single Cylinder with small round turn
P621 Single Cylinder with large round turn

Furniture Locks

For use on cabinet doors and similar applications.

Can easily be adjusted for door thicknesses up to 23mm.

Supplied with integral catch.

P600 cam locks will be available soon.



UK Oval Profile Cylinders

For use with locks accepting oval profile cylinders.

Standard lengths are:

Single 40mm and 45mm
Double 61mm and 71mm
W/Turn 61mm and 71mm

Also available in:

Single 50mm (+10)
Double 81mm (+10+10)
W/Turn 81mm (+10+10)

Optional functions:

A1 Classroom, clockwise
B1 Classroom, anticlockwise
C1 Clutch
DA1 Dual action

P632 Double Cylinder
P633 Single Cylinder
P637 Single Cylinder with oval turn
P634 Single Cylinder with small round turn
P631 Single Cylinder with large round turn



Scandinavian Oval Cylinders

For use with ASSA Modular, Connect and Narrow Profile lockcases.

The cylinder is fixed to the lockcase with two hardened steel screw, or two brass screws which can be cut to length supplied with the accessory set.

P601 Single Cylinder (Outside)
P603 Single Cylinder (Inside)
P602 Double Cylinder
P607 Single Rim Cylinder (Outside)
P307 Single Rim Cylinder (Inside)
P13607 Double Rim Cylinder



Scandinavian Round Cylinders

For use with ASSA Modular and Connect lockcases.

The cylinder is fixed with four high security hardened steel screws, supplied with the accessory set.

P611 Single Cylinder (Outside)
P613 Single Cylinder (Inside)
P612 Double Cylinder



Rounded Threaded Cylinders

For use with locking devices accepting screw-in cylinders. State lock type when ordering to ensure that the correct cam is supplied.

P651 Single Mortice Cylinder
P652 Double Mortice Cylinder
P657 Rim Cylinder

Padlocks

Class 2 / 3 / 4

Padlock body of extruded brass and hardened steel, black chrome plated. Shackle of rustproofed hardened steel, 8mm diameter (10mm P2646, class 3 and 14mm for class 4).

Drainage holes in the padlock body prevent freezing. No external screws or rivets.

Tensile strength over 1 ½ tons for class 2, over 4 ½ tons for class 3 and over 10 tons for class 4.

BS EN 12320

Green stripes Security Grade 3
Blue stripes Security Grade 4
Red stripes Security Grade 5

Class 2

P2640 Snap Locking
P2641 Key Locking
P2643 Key Locking extended shackle
P2646 Key Locking 10mm dia. shackle
P2649 Key Locking closed shackle

Class 3

P3641 Key Locking
P3649 Key Locking closed shackle

Class 4

P5649 Key Locking closed shackle
P4641 Key Locking
P5649 Key Locking closed shackle
P4641 Key Locking



Protected key blank

Extended keyneck allows the use of security accessories on Euro profile cylinders.

Exclusive key head design and heavy duty keys made from hard-wearing nickel silver.

The paracentric keyprofile ensures even greater protection than a standard profile.

The ASSA P600 has key blank protection by patent and 12 cuts on key.

Other Cylinder Ranges

As well as the high security 4800 and P600 cylinder ranges, ASSA also offer a variety of other cylinder range at various security standards, allowing for tailored security solutions to suit every application.



ASSA CLIQ™

- Patented keys and mechanism for maximum protection against unauthorised duplication
- Six pin tumblers plus force-controlled sidebar with false gate positions giving full resistance against all known methods of picking
- Maximum security: hardened steel inserts for drill resistance
- Heavy duty 2.8mm thick keys made from hard-wearing nickel silver
- Dual security level option using lower-cost dp2400 cylinders



ASSA dp4400

- Patented keys and mechanism for maximum protection against unauthorised duplication
- Six pin tumblers plus force-controlled sidebar with false gate positions giving full resistance against all known methods of picking
- Extremely high security: hardened steel inserts for drill resistance
- Heavy duty 2.8mm thick keys made from hard-wearing nickel silver
- Dual security level option using lower-cost dp2400 cylinders



ASSA Twin Combi 5800

- Patented keys and mechanism with Code Level 7 giving maximum protection against unauthorised duplication
- Six pin tumblers plus sidebar mechanism giving full resistance against all known methods of picking
- Very high security: hardened steel inserts for drill resistance
- Heavy duty 2.8mm thick keys made from hard-wearing nickel silver
- Worldwide exclusive sidecodes available for end users



ASSA 4800

- Patented keys and mechanism for maximum protection against unauthorised duplication
- Six pin tumblers incorporating anti-picking features
- High security: hardened steel inserts for drill resistance
- Heavy duty 2.8mm thick keys made from hard-wearing nickel silver



ASSA Flexcore Plus

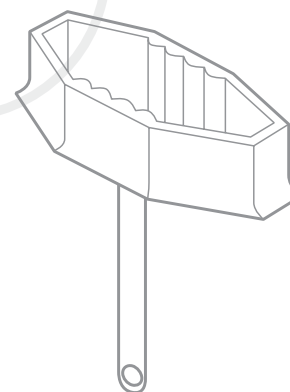
- Patented keys and mechanism for maximum protection against unauthorised duplication
- Five pin tumblers incorporating anti-picking features
- Medium security
- Heavy duty keys made from hard-wearing nickel silver

Accessories

Standard accessory sets for Scandinavian Oval cylinders used with Modular and Connect locks are available in four sizes, and are designed to be fitted to a standard 44mm or 45mm door.

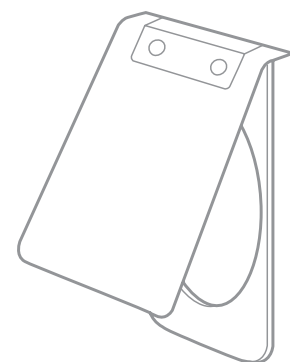
If it is necessary to fit a cylinder to a door of unusual thickness, we can supply different sizes of screws and cylinder rings, and extension pieces, which bring the cylinder further out from the centreline of the door.

Please contact your stockist for further details.



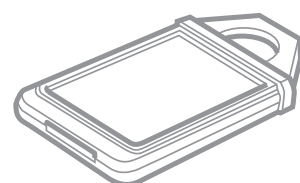
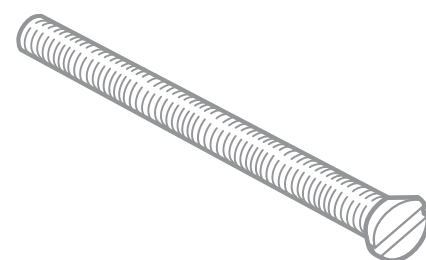
10 28 34 Protective covers for padlocks

Sizes available:
Class Two
Class Three
Class Four / Five



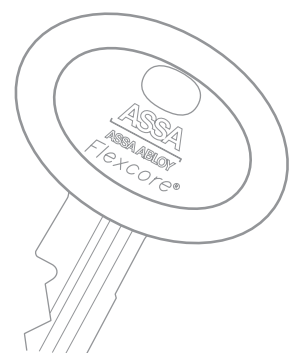
88 02 64 Climate protection cover

Stainless steel with rubber flap
For use with Scandinavian Oval and Round cylinders



80 41 85 Key Cassette

Black plastic key grip
For use with ASSA keys



80 41 85 Key identity band

Available in the following colours:

37 40 63 Black
37 40 57 Blue
37 40 58 Green
37 40 62 Red
37 40 59 Yellow

For use with ASSA Flexcore Plus keys



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 on the market.