

Group 9 Cylinders



UNION offer a variety of traditional cylinders to meet the demands of every application. Cylinders are available in four different variations.



Euro Profile



Oval



Rim

How does a traditional cylinder work?

A traditional cylinder operates on a row of lateral pins as shown in the diagram adjacent. When the right key is inserted into the keyway, it will lift all the pins to the correct height so that the plug can rotate and the lock can be opened.

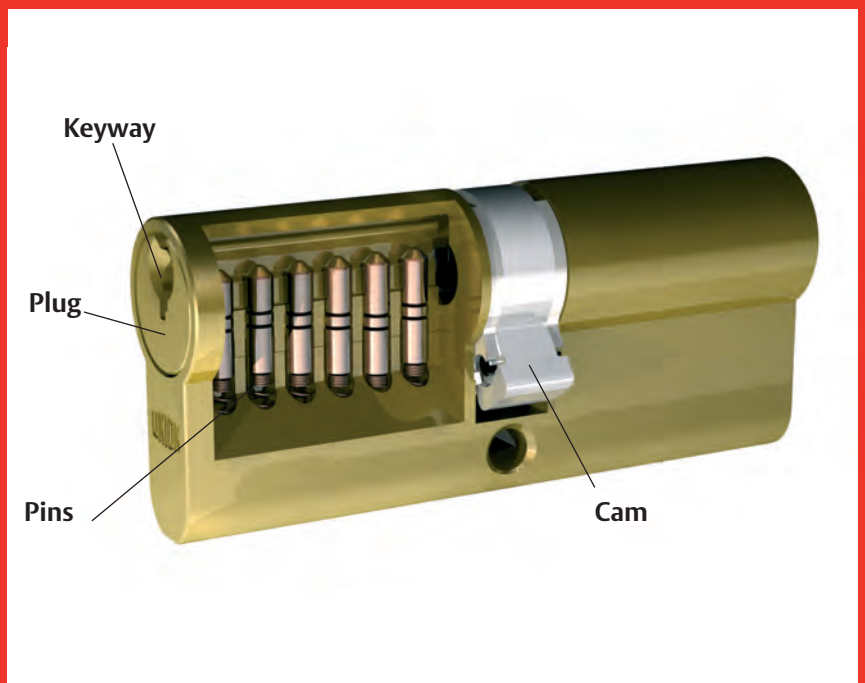
- Traditional cylinders are supplied 5 pin as standard, or six pin on complex master keyed systems, security cylinders and special orders.
- A standard UNION 5 pin cylinder has over 4,500 key combinations which is ideal for most domestic and commercial applications. When a higher level of security is required, a six pin cylinder, which has over 40,000 key combinations should be specified.

Key Control Systems:

Cylinders can be supplied individually keyed, keyed alike, key to pass, construction keyed, masterkeyed or grand masterkeyed.

Finishes:

Satin Chrome (SC); Polished Chrome (CH); Polished Brass (PL)



Selecting the correct cylinder length:

Specifying the correct cylinder length is important not only for aesthetic appearance, but also security. Ensure that the cylinder is as flush with the surrounding hardware as possible to reduce the opportunity for the cylinder to be removed and will also reduce movement over time and increase the longevity of the product.

When choosing a cylinder length there are three factors to consider:

1. Door thickness
2. Hardware thickness (e.g. cylinder roses)
3. Lock position

In most applications, the mortice lock will be fitted on the door centreline. Therefore, a standard equal length cylinder can be used. However, if the lock fitted off centre then an offset cylinder needs to be specified.

How to measure:

Equal length double cylinder:
Overall Cylinder Length = door thickness + total hardware thickness



Offset cylinder length:
Overall Cylinder Length = (measurement 1 + hardware thickness) + (measurement 2 + hardware thickness)



ASSA ABLOY



UNION keyRETRO™



UNION's master key just became future-proof

Since the 1930s, over 150,000 customers have invested in master key suites to get the very latest security and convenience. But like any 80 year old, master key is showing its age with lost or copied keys making customers think about changing their keying system.

UNION keyRETRO™ – patent key protection and much, much more

keyRETRO™ is a brand new bolt-on that brings existing master key systems back into the future – without the need to change all the existing locks and keys.

With patent protected keys, it allows new higher security keyRETRO™ cylinders to be fitted and used alongside existing master key cylinders – without having to replace the whole suite.

How it Works: UNION keyRETRO™ Enhanced Security

- keyRETRO™ is a backwards compatible design with UNION's traditional master key platform
- keyRETRO™ enhances the security of traditional UNION master key suites
- keyRETRO™ keys will operate both existing traditional cylinders and keyRETRO™ cylinders within a suite, but traditional keys cannot operate keyRETRO™ cylinders
- Provides a more convenient and economic alternative to achieving security upgrades for existing UNION master key users
- Additional, higher security cylinders can be integrated into existing suites, e.g. outside doors, perimeter doors, higher security applications, etc
- Integration increases potential for suite extensions and add-on suites
- Restores key security

EURO PROFILE

JM2R20-SC-A
JM2R18-SC-AA
JM2R19-SC-AA

Backwards Compatible Single Cylinder
Backwards Compatible Double Cylinder
Backwards Compatible Knob Cylinder

OVAL PROFILE

JM2R8-SC-A
JM2R6-SC-AA
JM2R13SC-AA

Backwards Compatible Single Cylinder
Backwards Compatible Double Cylinder
Backwards Compatible Knob Cylinder



ASSA ABLOY

For further information go to www.union-online.co.za or contact Randen Lannas on +27 11 761 5000



1x1
Round cylinder
(UNION Profile)
Finish: SD Brass
1x1SDD
(Dimple Keyway)
Finish: SDD Brass

Standard

Keyed Alike

Master Keyed

Grand Master Keyed

1x1SD

1x1SDKA

1X1SDMKD

1X1SDGMK

1X1SDD

Note: Cylinders are supplied with 2 keys as standard. For additional keys see Group 10



Euro Profile Cylinders

Subject to exchange rate fluctuations.
Prices exclude VAT and are for registered
vendors only.
Full specification available on request or online.



2x18

Double Cylinders

2x18 & 2x28	Standard	Keyed Alike	Master Keyed	Grand Master Keyed
Euro Profile Double Cylinder UNION Std length: 66mm	2x18PL 2x18SC	2x18PLKA 2x18SCKA	2x18PLMKD 2x18SCMKD	2X18PLGMK 2X18SCGMK
Euro Profile Double Cylinder UNION Std length: 65mm	2x28SN 2x28PB			



2x20

Single Cylinders

2x20	Standard	Keyed Alike	Master Keyed	Grand Master Keyed
Euro Profile Single Cylinder UNION Std length: 32mm	2x20PL 2x20SC	2x20PLKA 2x20SCKA	2x20PLMKD 2x20SCMKD	2X20PLGMK 2X20SCGMK
2x812	Standard	Keyed Alike	Master Keyed	Grand Master Keyed
Euro Profile Single Cylinder Std length: 32mm (CES PROFILE)			2x812PLMKD 2x812NPMKD	2X812PLGMK 2X812NPGMK

NB: Non-Standard Cylinders in the 2x810 & 2x812 ranges (i.e. KA, MKD & GMK) available for extensions to existing jobs only

Note: Cylinders are supplied with 2 keys as standard. For additional keys see Group 10

Finishes:
PL - Brass
SC - Satin Chrome
SN - Satin Nickle
NP - Nickle Plated



ASSA ABLOY

Euro Profile Cylinders

Subject to exchange rate fluctuations.
Prices exclude VAT and are for registered
vendors only.
Full specification available on request or online.

Knob Cylinders



2x19	Standard	Keyed Alike	Master Keyed	Grand Master Keyed
Euro Profile Knob Cylinder UNION Std length: 66mm	2x19PL 2x19SC	2x19PLKA 2x19SCKA	2x19PLMKD 2x19SCMKD	2X19PLGMK 2X19SCGMK

Single Knob Cylinders



2x815/H	Standard	Keyed Alike	Master Keyed	Grand Master Keyed
Euro Profile Single (Half) Knob Cylinder Std length: 32mm	2x815/HPL 2x815/HNP			

Bathroom W/C Cylinders



2x815/T	Standard	Keyed Alike	Master Keyed	Grand Master Keyed
Euro Profile Bathroom W/C Privacy Cylinder Std length: 66mm	2x815/TPL 2x815/TNP			

NB: Non-Standard Cylinders available for extensions to existing jobs only
Note: Cylinders are supplied with 2 keys as standard. For additional keys see Group 10

Finishes:
PL - Brass
SC - Satin Chrome
NP - Nickle Plated



Oval Profile Cylinders

Subject to exchange rate fluctuations.
Prices exclude VAT and are for registered
vendors only.
Full specification available on request or online.



Double Cylinders

2x6 Standard Keyed Alike Master Keyed Grand Master Keyed

UNION

Std length: 66mm
Short length: 60mm

2x6PL
2x6SC

2x6PLKA
2x6SCKA

2x6PLMKD
2x6SCMKD

2X6PLGMK
2X6SCGMK



Knob Cylinders

2x13 Standard Keyed Alike Master Keyed Grand Master Keyed

Oval Knob Cylinder

UNION

Std length: 66mm

2x13PL
2x13SC

2x13PLKA
2x13SCKA

2x13PLMKD
2x13SCMKD

2X13PLGMK
2X13SCGMK



Single Cylinders

2x8 Standard Keyed Alike Master Keyed Grand Master Keyed

Oval Single Cylinder

UNION

Std length: 32.5mm

2x8PL
2x8SC

2x8PLKA
2x8SCKA

2x8PLMKD
2x8SCMKD

2X8PLGMK
2X8SCGMK



Single Knob Cylinders

2x16 Standard Keyed Alike Master Keyed Grand Master Keyed

Oval Profile Single
Knob Cylinder (from
centre of cam):
32.5mm

2x16PL
2x16SC

Overall length:
40.5mm

Note: Cylinders are supplied with 2 keys as standard. For additional keys see Group 10

Finishes:
PL - Brass
SC - Satin Chrome

