



CY110



CY100



CYS10

Mechanical Cylinders

An affordable and secure solution
for every access point

Technical catalogue

ASSA ABLOY
Opening Solutions

Experience a safer
and more open world



Are you looking for the
KEY to **Trust** and **Security** –
now and far into the **Future**?

Your search is over.
We are the **KEY**.





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Behind every ASSA ABLOY key lies a history of innovation and trust

Every time mechanical security locks the door or another opening – at home or work – a keyholder puts their trust in the technology, security knowledge and heritage of its manufacturer, now and far into the future.

For now – and for the future

ASSA ABLOY's active patent strategy adds even more peace of mind. Patent protection for many mechanical key systems stretches into the 2030s. This makes it illegal to copy ASSA ABLOY keys without authorization.

Expert service over the lifetime of a system, and the option to extend or modify coverage, future-proofs mechanical solutions for a world in which access needs are always evolving.

Precision engineered, high-quality mechanical security

ASSA ABLOY's comprehensive product range meets the security needs of almost any industry or opening, beyond just doors. Advanced production technologies combine the highest quality of construction with materials chosen for durability.

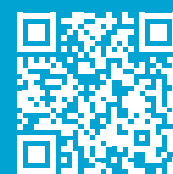
Rigorous in-house and third-party testing pushes ASSA ABLOY's mechanical solutions to their limit. ASSA ABLOY product lines also offer enhanced protection against existing security threats, from pulling and picking to drilling, bumping and cylinder snapping.

Millions of customers trust ASSA ABLOY

ASSA ABLOY's history of inventing locks and keys stretches back more than a century. The Euro Profile Cylinder – first patented by an ASSA ABLOY company in 1928 – has become the gold standard in mechanical door security, in Europe and beyond.

This decades-long track record of quality and reliability earned ASSA ABLOY mechanical locking solutions the trust of businesses and homeowners worldwide.

Working together with a vast global locksmith and security partner network, ASSA ABLOY offers tailor-made master key systems – plus keyed-alike and keyed-to-differ options – providing the flexibility to secure any premises with affordable mechanical locking.



Scan the QR code
to watch our video
about Mechanical
Locking Systems



Patent protection until 2036
Prevents unauthorized duplication



6-pin technology
For enhanced security
and master key
capability



Extended life
At least 500,000
lock/unlock cycles
(accelerated test)



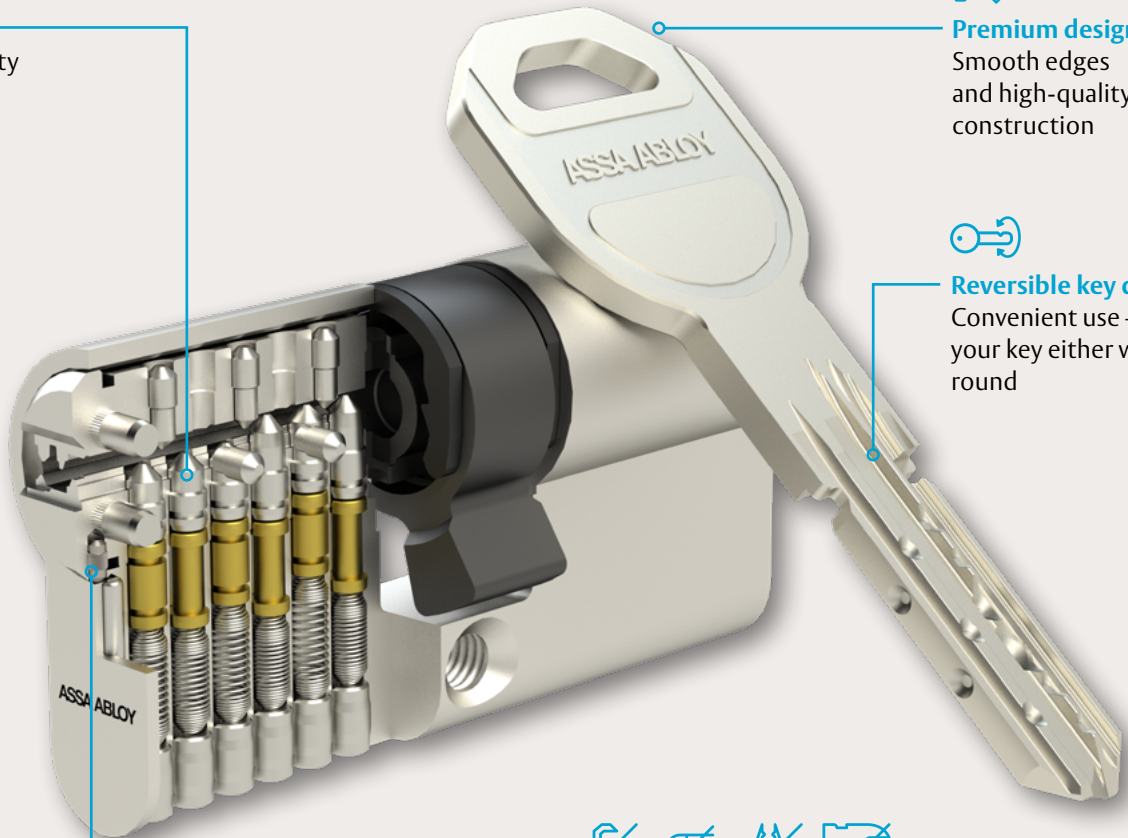
Durable construction
96-hour corrosion
resistance



Premium design
Smooth edges
and high-quality
construction



Reversible key design
Convenient use – insert
your key either way
round



Attack resistance
Secure anti-pick design with bumping resistance*,
and optional 5 minutes' drilling and 15kN pulling
resistance

* for keyed alike and keyed to differ

CY110: Dimple key system for commercial applications

Our affordable step up to a master key system
provides performance on every level



Scan the QR code
to watch our video
about the CY110
dimple key system

CY110 key



For all CY110
locking points



With its patented dimple security design, the CY110 key is reversible, making it comfortable and easy to use.

2.9 mm thickness withstands material fatigue and rounded edges protect against accidental damage.



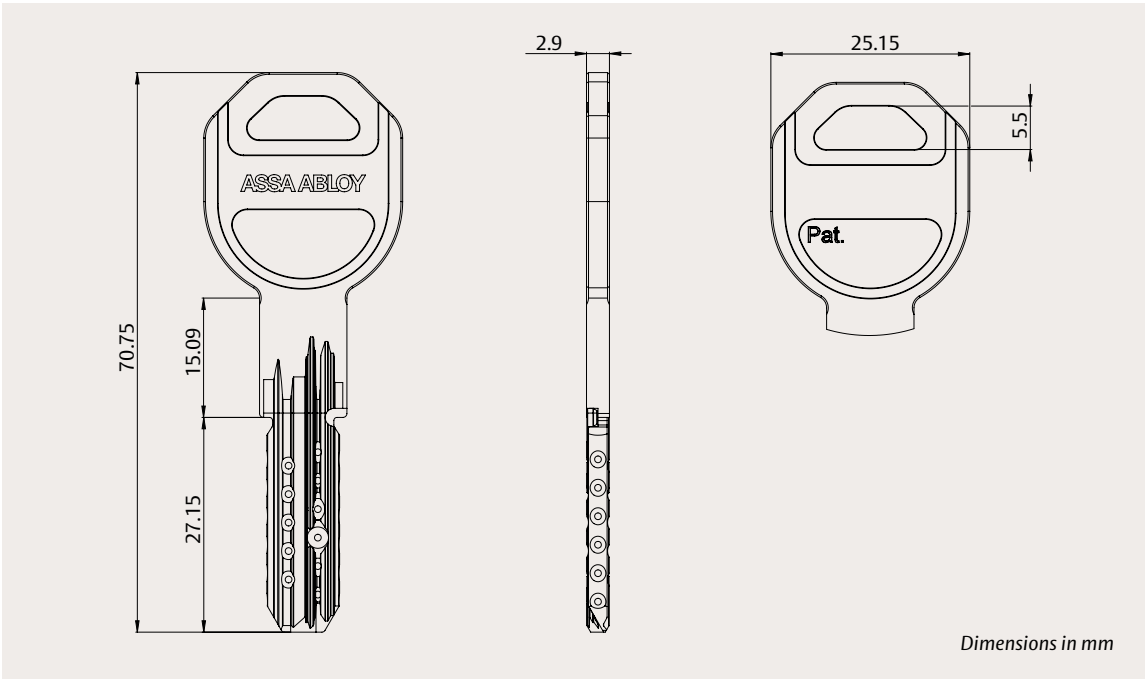
Reversible key design



Patent protection
makes unauthorized
key copying illegal

Technical attributes	
Security	Patent-protected until 2036 Property card included
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	92,232
Max. number of MKS profiles	20
Exclusive profiles	10
Profile shape	Paracentric
Raw material	Nickel silver
Finish	Nickel silver
Key thickness	2.9 mm
Key neck length	15 mm
Weight	18 g

Please check for availability in your region.



CY110 Euro double cylinder



For internal and external doors



Durable and secure, the CY110 double cylinder provides the protection you need to lock your building's doors – inside or out.



Certified security

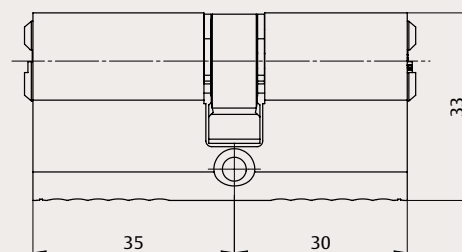
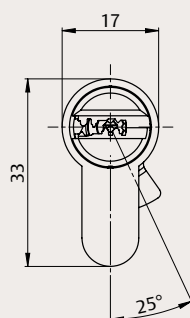


Protection against cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 5 0/D* (grade D optional) SKG** certified DIN 18252 compliant
Attack resistance	Anti-pick Anti-bump (only for KA and KD) Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance* (optional) *when used with security escutcheon
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	92,232
Max. number of MKS profiles	20
Number of pins	6 (optional side/top pins)
Raw material	Brass
Finish	Satin nickel Optional: Polished brass, Black chrome
Cylinder length	Minimum: 30 30 mm; 28 30 mm Maximum: 80 80 mm; 28 65 mm Increments: 5 mm (starting from 30 30 mm) Additional: 32.5 32.5
Weight	235 g (length 30 30 mm)
Optional functionality	Emergency clutch Free wheeling cam Gear wheel cam FZG function

Please check for availability in your region.



Dimensions in mm

CY110 Euro double cylinder with thumbturn



For internal and
external doors



A secure solution when privacy is required:
CY110 thumbturn cylinders securely lock doors
and can quickly unlock to provide a faster exit.



Certified security

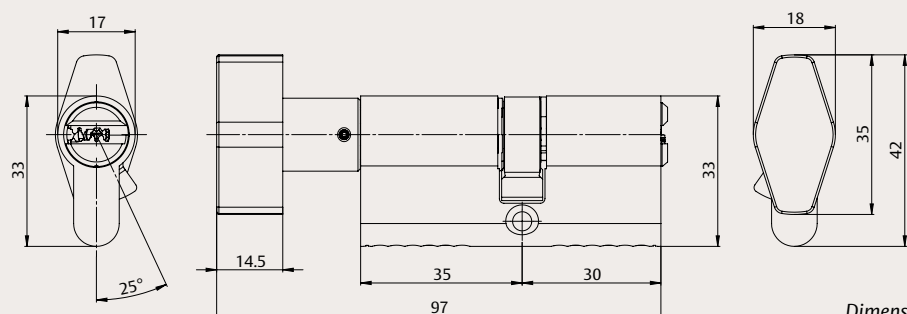


Protection against
cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 5 0/D* (grade D optional) SKG** certified DIN 18252 compliant
Attack resistance	Anti-pick Anti-bump (only for KA and KD) Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance* (optional) *when used with security escutcheon
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	92,232
Max. number of MKS profiles	20
Number of pins	6 (optional side/top pins)
Raw material	Brass
Finish	Satin nickel Optional: Polished brass, Black chrome
Cylinder length	Minimum: 30 30 mm Maximum: 80 80 mm Increments: 5 mm (starting from 30 30 mm)
Weight	318 g (length 30 30 mm)
Optional functionality	Gear wheel cam Clutch release (limited cylinder length) Classroom function + clutch release

Please check for availability in your region.



Dimensions in mm

CY110 Euro double cylinder with thumbturn axis



For internal and
external doors



Durable and secure, the CY110 double cylinder provides the protection you need to lock your building's doors.

The cylinder is assembled with a thumbturn axis to cut it to a preferred size and fit a custom design.



Certified security

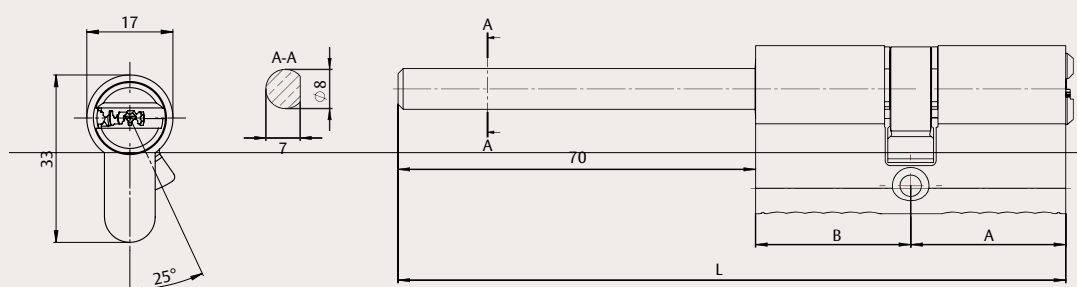


Protection against
cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 5 0/D* (grade D optional) SKG** certified DIN 18252 compliant
Attack resistance	Anti-pick Anti-bump (only for KA and KD) Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance* (optional) *when used with security escutcheon
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	92,232
Max. number of MKS profiles	20
Number of pins	6 (optional side/top pins)
Raw material	Brass
Finish	Satin nickel Optional: Polished brass, Black chrome
Cylinder length	Minimum: 30 30 mm; 28 30 mm Maximum: 80 80 mm; 28 65 mm Increments: 5 mm (starting from 30 30 mm) Additional: 32.5 32.5
Weight	250 g (length 30 30 mm)

Please check for availability in your region.



Dimensions in mm

CY110 Euro single cylinder



For internal doors and elevators



Highly durable cylinder with the performance to secure your building. Keep your interior spaces secure with the CY110 single cylinder.

The multi-position cam (8 x 45°) allows to turn the cam into the application's required position.



Certified security

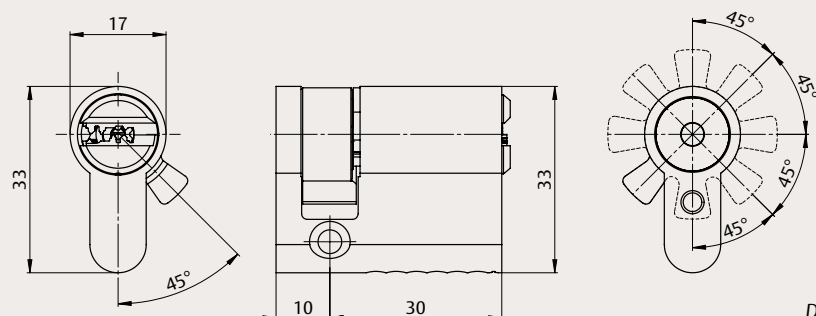


Protection against cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 5 0/D* (grade D optional) SKG** certified DIN 18252 compliant
Attack resistance	Anti-pick Anti-bump (only for KA and KD) Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance* (optional) *when used with security escutcheon
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	92,232
Max. number of MKS profiles	20
Number of pins	6 (optional side/top pins)
Raw material	Brass
Finish	Satin nickel Optional: Polished brass, Black chrome
Cylinder length	Minimum: 30 10 mm Maximum: 80 10 mm Increments: 5 mm (starting from 30 10 mm)
Weight	168 g (length 30 10 mm)
Optional functionality	Elevator version with 2 x M4 housing Thumbturn variant

Please check for availability in your region.



Dimensions in mm

CY110 rim cylinder



Additional security
for external doors



Secure entrances while at the same time, enabling anyone inside to make an easy exit. The CY110 rim cylinder can be used with night latches or other locking devices which are operated from a tailbar.



Certified security

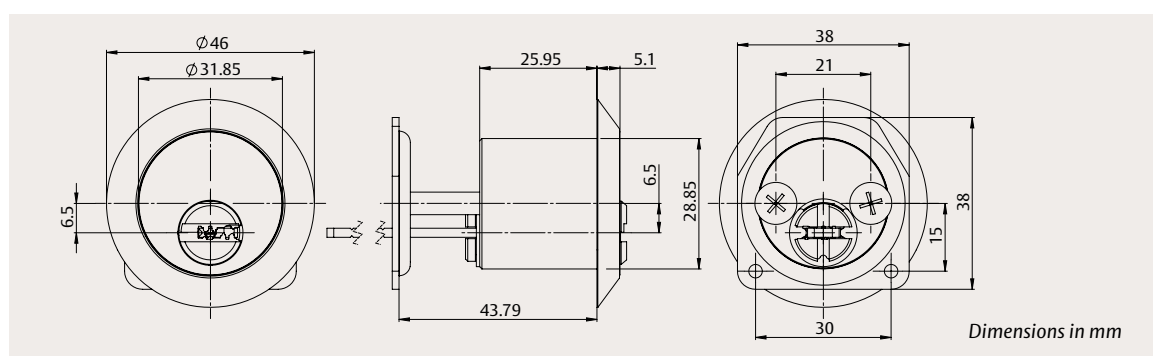


Protection against
cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 5 0/D* (grade D optional) SKG** certified
Attack resistance	Anti-pick Anti-bump (only for KA and KD) Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance* (optional) <i>*when used with security escutcheon</i>
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	92,232
Max. number of MKS profiles	20
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Weight	167 g

Please check for availability in your region.



CY110 cam lock



For indoor and outdoor locking points



Keep sensitive documents and possessions safe. Secure and unlock your letterbox, cabinets and drawers with one single key.

When in the unlocked position, the CY110 cam lock retains the key to prevent your possessions being left at risk.

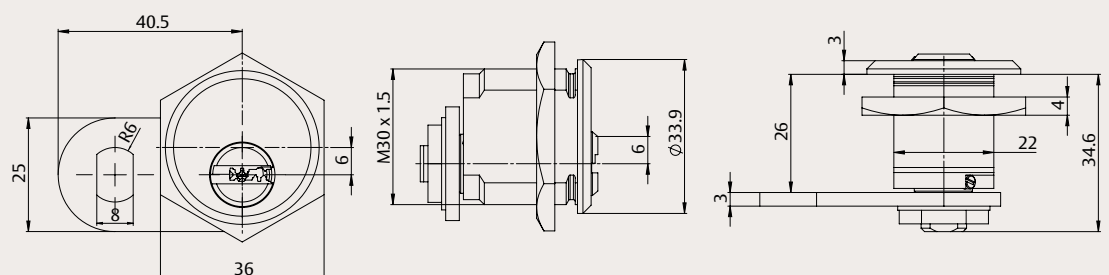


Protection against cylinder attack

Technical attributes

Attack resistance	Anti-pick Anti-bump (only for KA and KD)
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	92,232
Max. number of MKS profiles	20
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Weight	145 g

Please check for availability in your region.



Dimensions in mm

CY110 padlock



For indoor and outdoor locking points



Optional: Dust cover

A trusted, robust padlock for multiple applications. Secure almost anything with the CY110 padlock, inside or outdoors. Suitable for sheds, gates, fences, lockers, storage boxes, bike chains, and more.

When in the unlocked position, the CY110 padlock retains the key to prevent your possessions being left at risk. The optional dust cover increases corrosion resistance to 240 hours.



Certified security

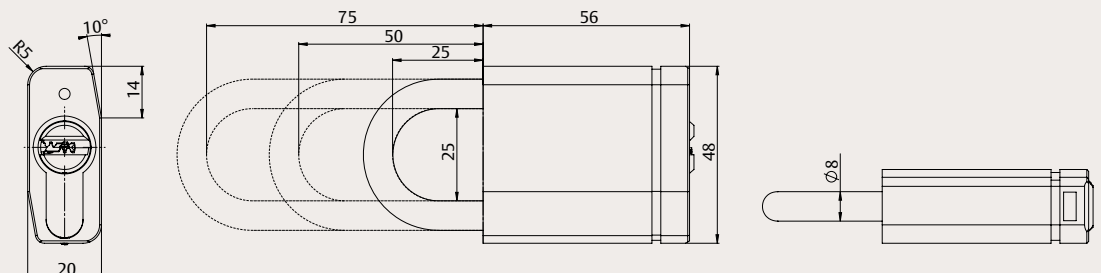


Protection against cylinder attack

Technical attributes

Security	EN 12320:2012 certified, security grade 3 IP67 rated (with dust cover)
Attack resistance	Anti-pick Anti-bump (only for KA and KD)
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	92,232
Max. number of MKS profiles	20
Number of pins	6
Raw material	Body: Brass Shackle: Hardened boron steel
Finish	Satin chrome
Shackle diameter	8 mm
Shackle clearance	25 mm 50 mm 75 mm
Weight	416 g (25 mm shackle clearance)
Optional functionality	Dust cover (240 hours salt spray test conformance) 25 mm stainless steel shackle Non key retaining

Please check for availability in your region.



Dimensions in mm



Patent protection until 2036
Prevents unauthorized duplication



6-pin technology
For enhanced security
and master key
capability



Long life
At least 100,000 lock/
unlock cycles



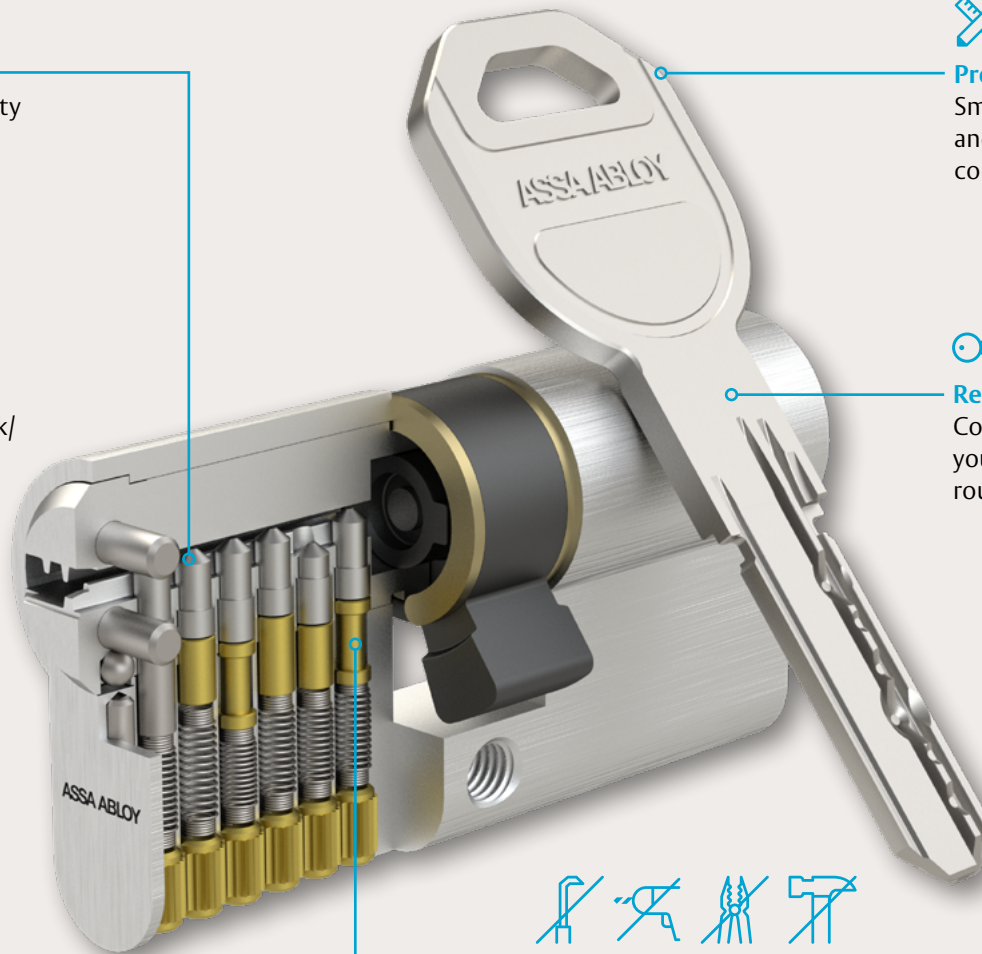
Durable construction
96-hour corrosion
resistance



Premium design
Smooth edges
and high-quality
construction



Reversible key design
Convenient use – insert
your key either way
round



Attack resistance
15kN pulling resistance, 5 minutes' drilling resistance,
bumping resistance*, and optional anti-snap protection
for additional security

* for keyed alike and keyed to differ

CY100: Dimple key system for residential applications

Our range for small master key systems
with up to 4 profiles



Scan the QR code
to watch our video
about the CY100
dimple key system

CY100 key



For all CY100
locking points



A single key unlocks every opening in your building. With its convenient dimple security design, the CY100 key is reversible – it inserts and turns every time.

Rounded edges protect against accidental damage. Patent protection prevents unauthorized duplication.



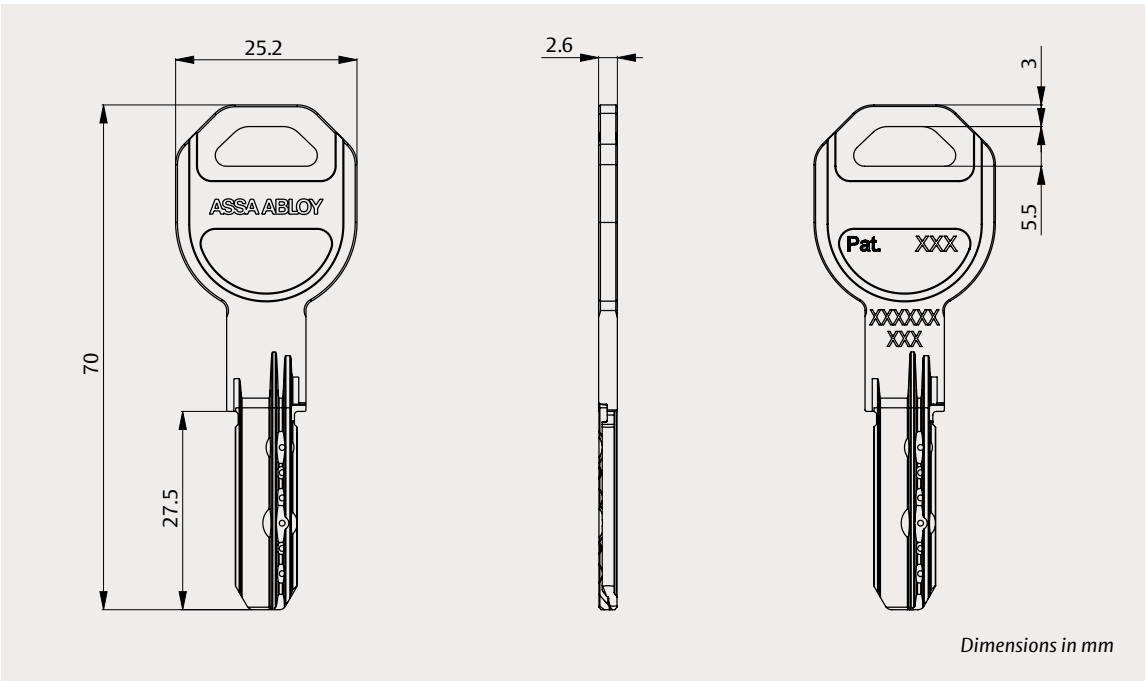
Reversible key design



Patent protection
makes unauthorized
key copying illegal

Technical attributes	
Security	Patent-protected until 2036 Security card included
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of key differs	101,000
Max. number of MKS profiles	4
Exclusive profiles	Customer specific profiles available
Profile shape	Paracentric
Raw material	Brass
Finish	Nickel-plated brass
Key thickness	2.6 mm
Key neck length	14 mm
Weight	18 g

Please check for availability in your region.



Dimensions in mm

CY100 Euro double cylinder



For internal and external doors



Optional: Anti-snap cylinder

Durable and secure, the CY100 double cylinder provides the protection you need to lock your building's doors – inside or out.

Optional anti-snap protection offers additional security, keeping the cylinder's core protected when attacked.



Certified security

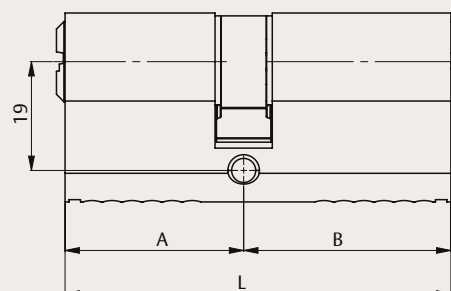
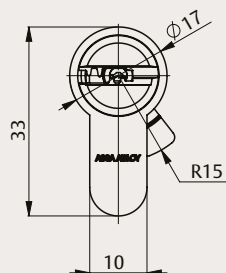


Protection against cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 6 D SKG** certified (except anti-snap design) DIN 18252 compliant
Attack resistance	Anti-pick Anti-drill: 5 min. drilling resistance Anti-pull: 15 kN pulling resistance Anti-bump (only for KA and KD) Anti-snap (optional)
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of key differs	101,000
Max. number of MKS profiles	4
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Cylinder length	Minimum: 31 31 mm Maximum: 76 76 mm Increments: 5 mm (starting from 31 31 mm)
Weight	165 g
Optional functionality	Emergency clutch Free wheeling cam Gear wheel cam Bulgarian cam Construction keying

Please check for availability in your region.



Dimensions in mm

CY100 Euro double cylinder with thumbturn



For internal and
external doors



Optional: With coin slot

A secure solution when privacy is required:
CY100 thumbturn cylinders securely lock doors
and can quickly unlock to provide a faster exit.

An optional coin slot ensures the lock can also be
opened from outside in an emergency.



Certified security

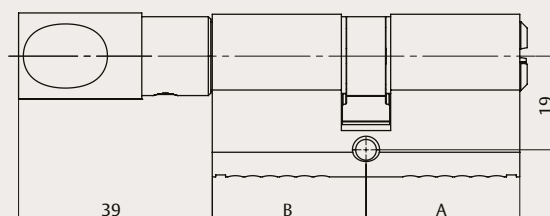
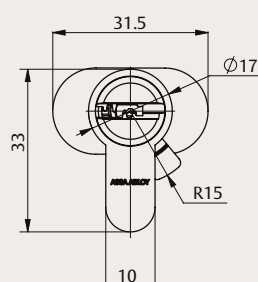


Protection against
cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 6 D SKG** certified (except anti-snap design) DIN 18252 compliant
Attack resistance	Anti-pick Anti-drill: 5 min. drilling resistance Anti-pull: 15 kN pulling resistance Anti-bump (only for KA and KD) Anti-snap (optional)
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of key differs	101,000
Max. number of MKS profiles	4
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Cylinder length	Minimum: 31 31 mm Maximum: 76 76 mm Increments: 5 mm (starting from 31 31 mm)
Weight	280 g
Optional functionality	Gear wheel cam Emergency release coin slot Construction keying

Please check for availability in your region.

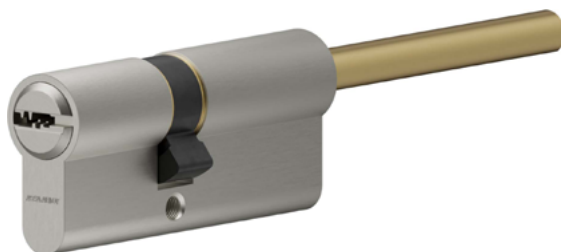


Dimensions in mm

CY100 Euro double cylinder with thumbturn axis



For internal and
external doors



Durable and secure, the CY100 double cylinder provides the protection you need to lock your building's doors.

The cylinder is assembled with a thumbturn axis to cut it to a preferred size and fit a custom design.



Certified security

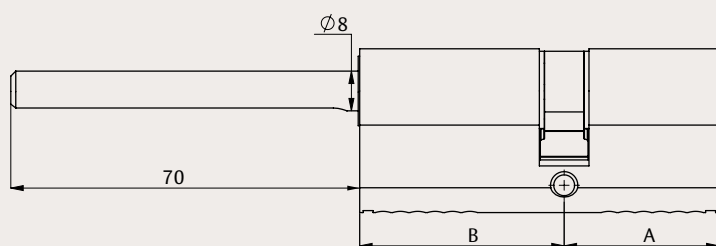
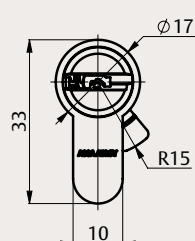


Protection against
cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 6 D SKG** certified (except anti-snap design) DIN 18252 compliant
Attack resistance	Anti-pick Anti-drill: 5 min. drilling resistance Anti-pull: 15 kN pulling resistance Anti-bump (only for KA and KD) Anti-snap (optional)
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of key differs	101,000
Max. number of MKS profiles	4
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Cylinder length	Minimum: 31 31 mm Maximum: 76 76 mm Increments: 5 mm (starting from 31 31 mm)
Weight	180 g (31 31 mm)

Please check for availability in your region.



Dimensions in mm

CY100 Euro single cylinder



For internal doors



Optional: Adjustable cam

Highly durable cylinder with the performance to secure your building. Keep your interior spaces secure with the CY100 single cylinder.

The optional multi-position cam allows to turn the cam into the application's required position.



Certified security

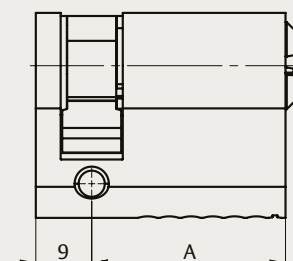
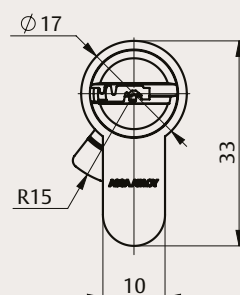


Protection against cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 6 D SKG** certified (except anti-snap design) DIN 18252 compliant
Attack resistance	Anti-pick Anti-drill: 5 min. drilling resistance Anti-pull: 15 kN pulling resistance Anti-bump (only for KA and KD) Anti-snap (optional)
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of key differs	101,000
Max. number of MKS profiles	4
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Cylinder length	Minimum: 31 9 mm Maximum: 71 9 mm Increments: 5 mm (starting from 31 9 mm)
Weight	115 g
Optional functionality	Adjustable cam (12 positions) Gear wheel cam Construction keying Thumbturn variant

Please check for availability in your region.



Dimensions in mm

CY100 rim cylinder



Additional security
for external doors



Secure entrances while at the same time, enabling anyone inside to make an easy exit. The CY100 rim cylinder can be used with night latches or other locking devices which are operated from a tailbar.

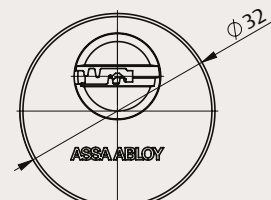
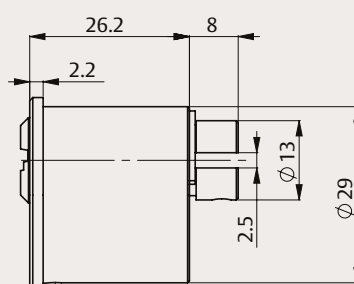


Protection against
cylinder attack

Technical attributes

Attack resistance	Anti-pick Anti-drill Anti-pull Anti-bump (only for KA and KD)
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of key differs	101,000
Max. number of MKS profiles	4
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Tailbar length	53 mm
Weight	175 g

Please check for availability in your region.



Dimensions in mm

CY100 cam lock



For indoor and outdoor locking points



Keep sensitive documents and possessions safe. Secure and unlock your letterbox, cabinets and drawers with one single key.

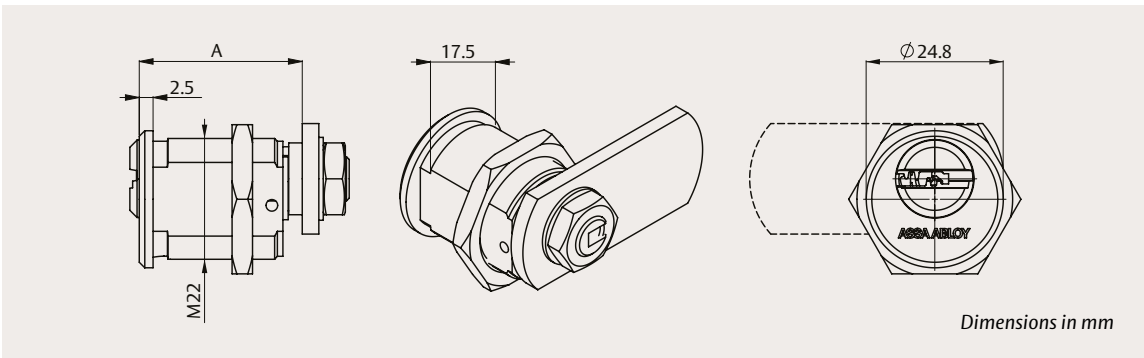
When in the unlocked position, the CY100 cam lock retains the key to prevent your possessions being left at risk.



Protection against cylinder attack

Technical attributes	
Attack resistance	Anti-pick Anti-bump (only for KA and KD)
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of key differs	101,000
Max. number of MKS profiles	4
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Weight	100 g

Please check for availability in your region.



Dimensions in mm

CY100 padlock



For indoor and outdoor locking points



Optional: Dust cover

A trusted, robust padlock for multiple applications. Secure almost anything with the CY100 padlock, inside or outdoors. Suitable for sheds, gates, fences, lockers, storage boxes, bike chains, and more.

When in the unlocked position, the CY100 padlock retains the key to prevent your possessions being left at risk. The optional dust cover increases corrosion resistance to 240 hours.



Certified security

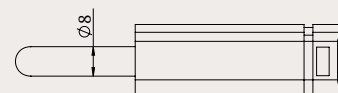
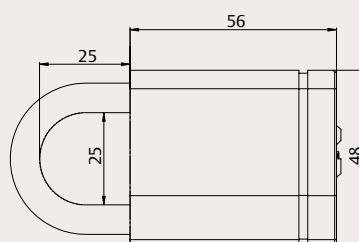
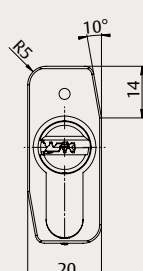


Protection against cylinder attack

Technical attributes

Security	EN 12320:2012 certified, security grade 3 IP67 rated (with dust cover)
Attack resistance	Anti-pick Anti-bump (only for KA and KD)
Keying	Dimple security design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	101,000
Max. number of MKS profiles	4
Number of pins	6
Raw material	Body: Brass Shackle: Hardened boron steel
Finish	Satin chrome
Shackle diameter	8 mm
Shackle clearance	25 mm
Weight	416 g
Optional functionality	Dust cover (240 hours salt spray test conformance) Non key retaining

Please check for availability in your region.



Dimensions in mm



Double patented profile

Increased copy protection until 2037



6-pin technology

For enhanced security and master key capability



Extended life

At least 300,000 lock/unlock cycles



Durable construction

96-hour corrosion resistance



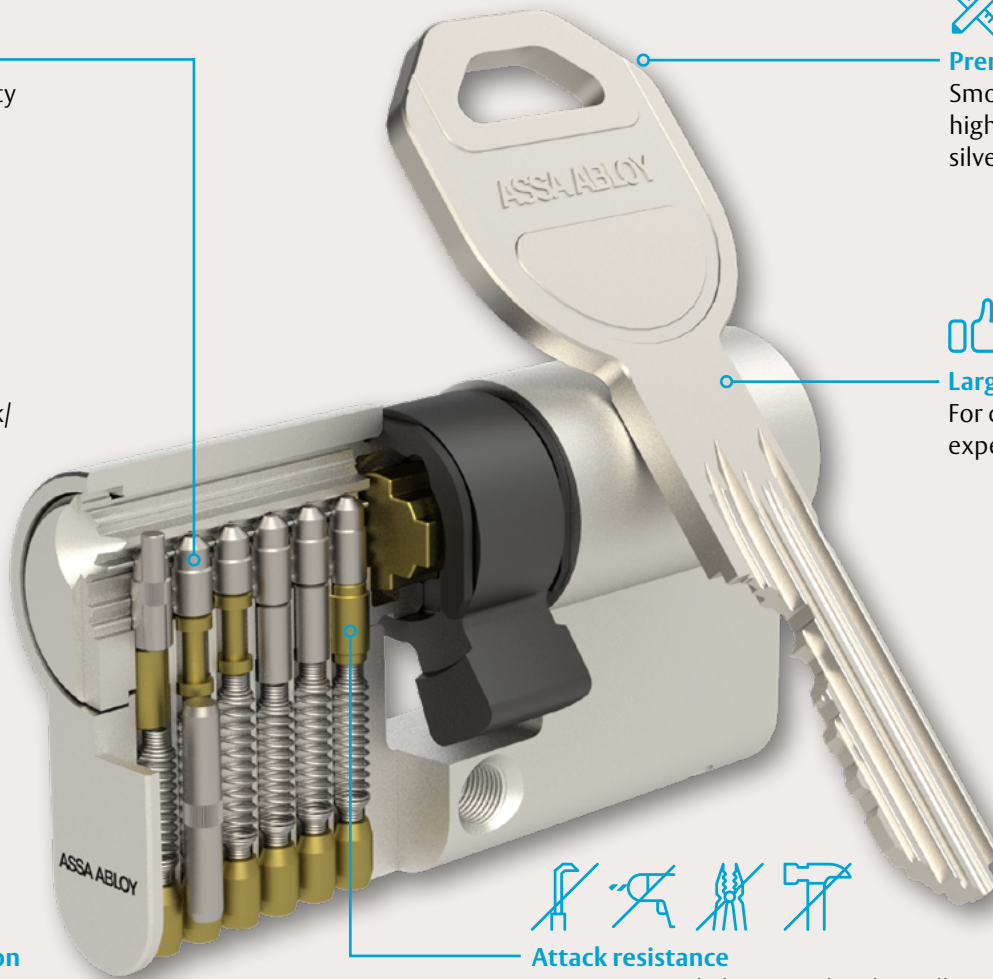
Premium design

Smooth edges and high-quality nickel silver construction



Large keybow

For convenient user experience

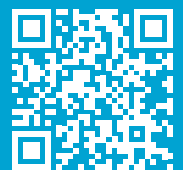


Attack resistance

Secure anti-pick design with 15kN pulling resistance, 5 minutes' drilling resistance, 3rd-party tested bump resistance, and optional anti-snap protection for additional security

CYS10: Sawn key system for commercial applications

Our range for large master key systems, including bump resistance, is flexible, secure and efficient

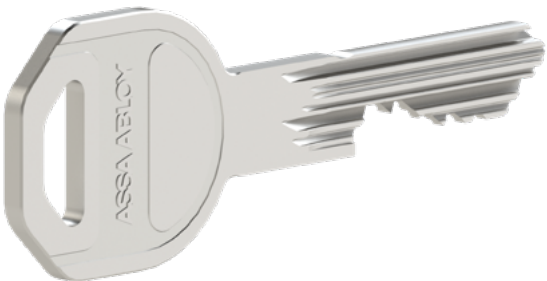


Scan the QR code to watch our video about the CYS10 sawn key system

CYS10 key



For all CYS10
locking points



With its trusted sawn key design and large keybow, the CYS10 key is convenient to use. Its long key neck allows the operation with thicker door escutcheons.

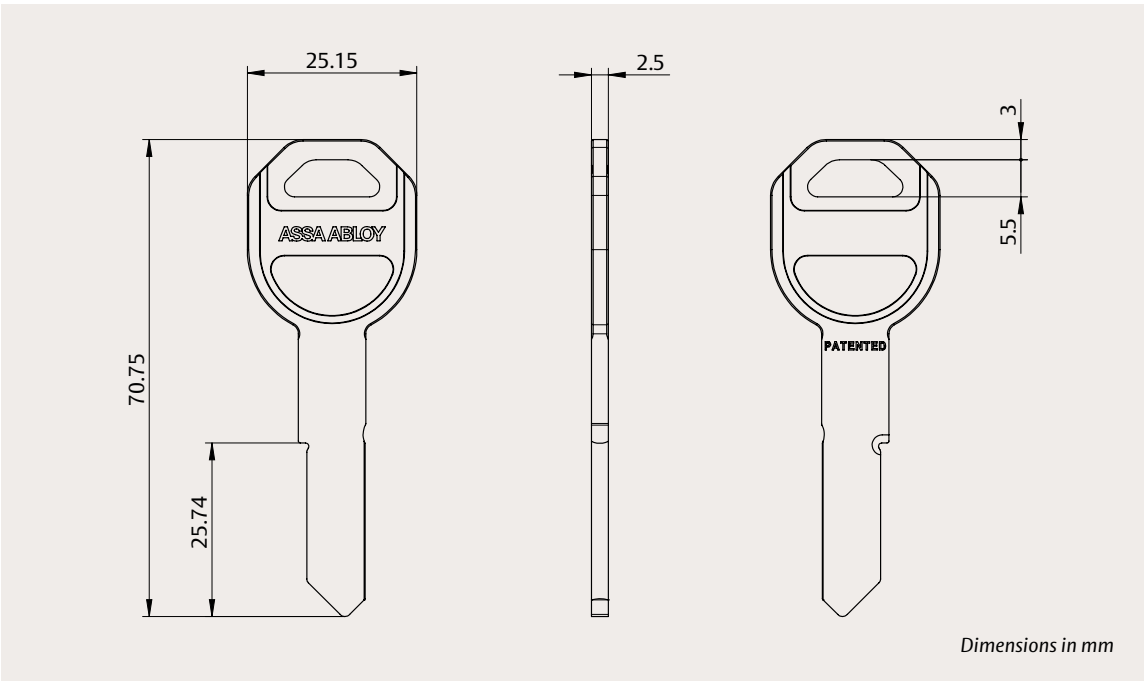
Two separate key copy protection patents provide an extra layer of security.



Patent protection
makes unauthorized
key copying illegal

Technical attributes	
Security	Patent-protected until 2037
Keying	Sawn key design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	144,729
Max. number of MKS profiles	63
Exclusive profiles	Customer specific profiles available
Profile shape	Paracentric
Raw material	Nickel silver
Finish	Nickel silver
Key thickness	2.5 mm
Key neck length	17.2 mm
Weight	20.3 g

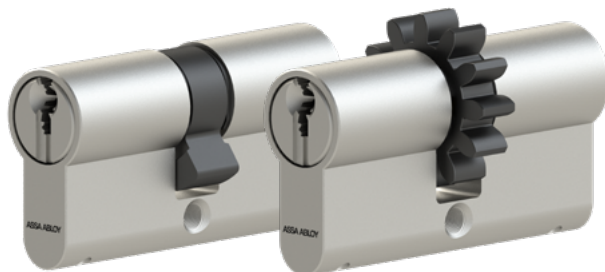
Please check for availability in your region.



CYS10 Euro double cylinder



For internal and external doors



Optional: Gear wheel cam

Durable and secure, the CYS10 double cylinder provides the protection you need to lock your building's doors – inside or out.

Various optional features, such as free wheeling cam and gear wheel cam, make it ideal for a wide range of applications.



Certified security

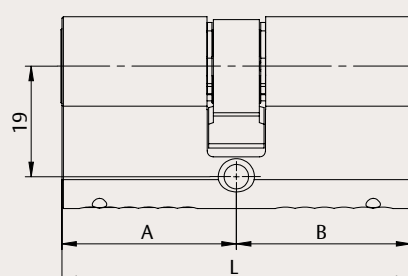
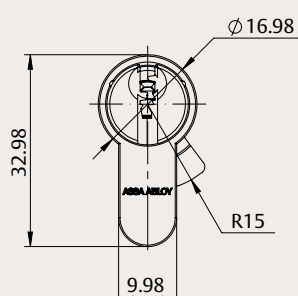


Protection against cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 6 0/D (grade D optional) SKG*** certified (optional) DIN 18252 compliant
Attack resistance	Anti-pick Anti-bump (also for MKS) Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance (optional) Anti-snap (optional)
Keying	Sawn key design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	144,729
Max. number of MKS profiles	63
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Cylinder length	Minimum: 27 27 mm Maximum: 90 90 mm Increments: 5 mm (starting from 30 30 mm)
Weight	234 g (length 30 35 mm)
Optional functionality	Emergency clutch Free wheeling cam Gear wheel cam Construction keying Local cam designs (French, Adriatic Jus)

Please check for availability in your region.



Dimensions in mm

CYS10 Euro double cylinder with thumbturn



For internal and
external doors



A reliable solution when privacy is required: CYS10 thumbturn cylinders securely lock doors and can quickly unlock to provide a faster exit.

Various optional features, such as clutch release and classroom function, make it ideal for a wide range of applications.



Certified security

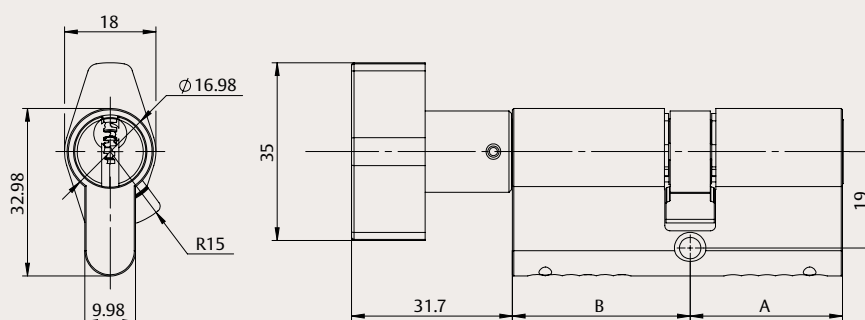


Protection against
cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 6 0/D (grade D optional) SKG*** certified (optional) DIN 18252 compliant
Attack resistance	Anti-pick Anti-bump (also for MKS) Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance (optional) Anti-snap (optional)
Keying	Sawn key design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	144,729
Max. number of MKS profiles	63
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Cylinder length	Minimum: 27 27 mm Maximum: 90 90 mm Increments: 5 mm (starting from 30 30 mm)
Weight	300 g (length 30 35 mm)
Optional functionality	Clutch release Classroom function Construction keying Local cam designs (French, Adriatic Jus)

Please check for availability in your region.

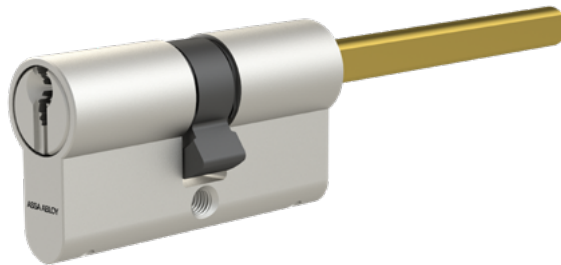


Dimensions in mm

CYS10 Euro double cylinder with thumbturn axis



For internal and
external doors



Durable and secure, the CYS10 double cylinder provides the protection you need to lock your building's doors.

The cylinder is assembled with a thumbturn axis to cut it to a preferred size and fit a custom design.



Certified security

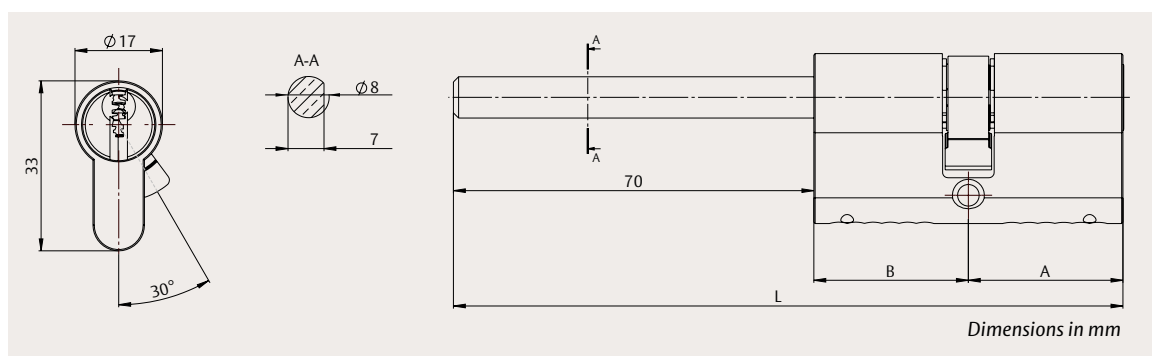


Protection against
cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 6 0/D (grade D optional) SKG*** certified (optional) DIN 18252 compliant
Attack resistance	Anti-pick Anti-bump (also for MKS) Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance (optional) Anti-snap (optional)
Keying	Sawn key design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	144,729
Max. number of MKS profiles	63
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Cylinder length	Minimum: 27 27 mm Maximum: 90 90 mm Increments: 5 mm (starting from 30 30 mm)
Weight	251 g (length 30 35 mm)

Please check for availability in your region.



CYS10 Euro single cylinder



For internal doors



Optional: Adjustable cam

Highly durable cylinder with the performance to secure your building. Keep interior spaces secure with the CYS10 single cylinder.

The optional multi-position cam allows the cam to turn into the application's required position.



Certified security

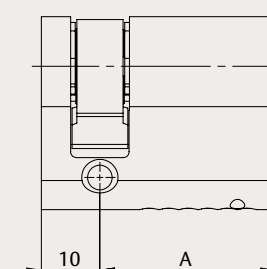
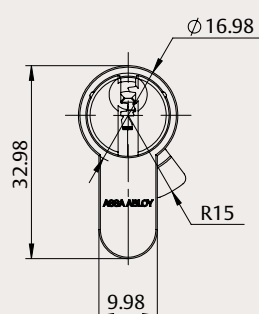


Protection against cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 6 0/D (grade D optional) SKG*** certified (optional) DIN 18252 compliant
Attack resistance	Anti-pick Anti-bump (also for MKS) Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance (optional) Anti-snap (optional)
Keying	Sawn key design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	144,729
Max. number of MKS profiles	63
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Cylinder length	Minimum: 27 10 mm Maximum: 90 10 mm Increments: 5 mm (starting from 30 10 mm)
Weight	161 g (length 30 10 mm)
Optional functionality	Adjustable cam (8 positions) Construction keying

Please check for availability in your region.



Dimensions in mm

CYS10 rim cylinder



Additional security
for external doors



Secure entrances while at the same time, enabling anyone inside to make an easy exit. The CYS10 rim cylinder can be used with night latches or other locking devices which are operated from a tailbar.



Certified security

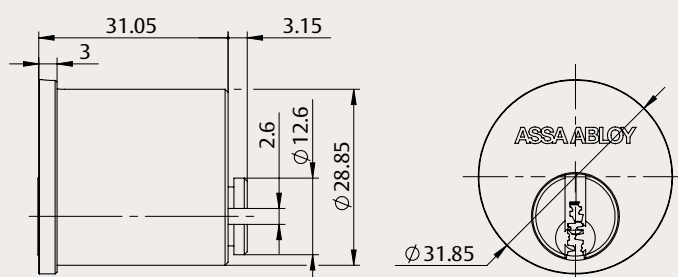


Protection against
cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 6 0/D (grade D optional)
Attack resistance	Anti-pick Anti-bump (also for MKS) Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance (optional)
Keying	Sawn key design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	144,729
Max. number of MKS profiles	63
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Tailbar length	54 mm
Weight	210 g

Please check for availability in your region.



Dimensions in mm

CYS10 screw-in cylinder



For metal doors



The CYS10 screw-in cylinder secures main entry aluminium or metal doors with narrow stile, commonly used in commercial applications such as shop or warehouse doors.



Certified security

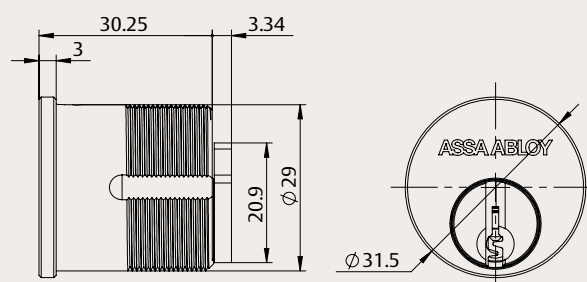


Protection against cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 6 0/D (grade D optional)
Attack resistance	Anti-pick Anti-bump (also for MKS) Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance (optional)
Keying	Sawn key design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	144,729
Max. number of MKS profiles	63
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Tailbar length	33.6 mm
Weight	215 g

Please check for availability in your region.



Dimensions in mm

CYS10 switch cylinder



For switch boxes and control panels



The CYS10 switch cylinder is designed for switchboxes, control panels and similar applications. To unlock, a keyholder turns their key through 90 degrees, left or right, to complete the electrical circuit. The left/right setting can be adjusted with one screw on the cylinder.



Certified security

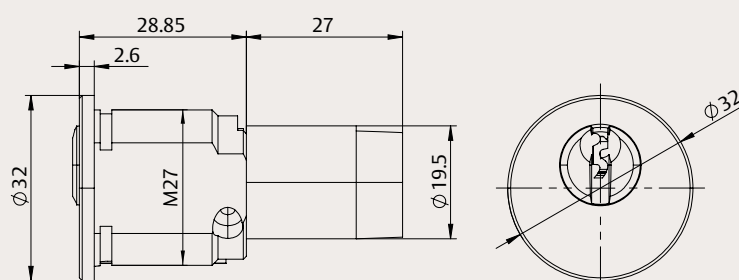


Protection against cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 6 0
Attack resistance	Anti-pick Anti-bump (also for MKS)
Keying	Sawn key design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	144,729
Max. number of MKS profiles	63
Number of pins	6
Raw material	Brass, Plastic
Finish	Satin nickel
Weight	165 g

Please check for availability in your region.



Dimensions in mm

CYS10 cam lock



For indoor and outdoor locking points



Keep sensitive documents and possessions safe. Secure and unlock your letterbox, cabinets and drawers with one single key.

When in the unlocked position, the CYS10 cam lock retains the key to prevent your possessions being left at risk.



Certified security

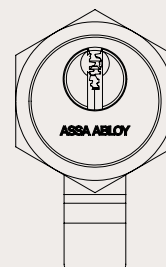
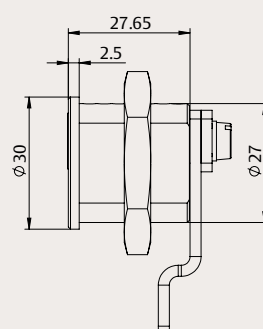


Protection against cylinder attack

Technical attributes

Security	EN 1303:2015 certified, 1 6 0 B 0 C 6 0
Attack resistance	Anti-pick Anti-bump (also for MKS)
Keying	Sawn key design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	144,729
Max. number of MKS profiles	63
Number of pins	6
Raw material	Brass
Finish	Satin nickel
Weight	210 g

Please check for availability in your region.



Dimensions in mm

CYS10 padlock



For indoor and outdoor locking points



Optional: Dust cover

A trusted, robust padlock for multiple applications, inside or outdoors. Suitable for sheds, gates, fences, lockers, storage boxes, bike chains, and more.

When in the unlocked position, the CYS10 padlock retains the key to prevent your possessions being left at risk. The optional dust cover increases corrosion resistance to 240 hours.



Certified security

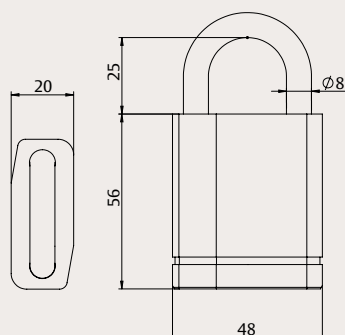


Protection against cylinder attack

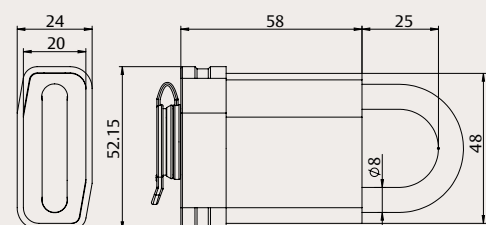
Technical attributes

Security	EN 12320:2012 certified, security grade 3 IP67 rated (with dust cover)
Attack resistance	Anti-pick Anti-bump (also for MKS)
Keying	Sawn key design Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3
Max. number of effective key differs	144,729
Max. number of MKS profiles	63
Number of pins	6
Raw material	Body: Brass Shackle: Hardened boron steel
Finish	Satin chrome
Shackle diameter	8 mm
Shackle clearance	25 mm 50 mm 75 mm
Weight	450 g (25 mm shackle clearance)
Optional functionality	Dust cover (240 hours salt spray test conformance) 25 mm stainless steel shackle Non key retaining

Please check for availability in your region.



Optional: With dust cover



Dimensions in mm

Glossary of optional functionality

CY110, CY100, CYS10



Emergency clutch

When a key is accidentally left in the keyway on one side, you can still operate the cylinder from the other.

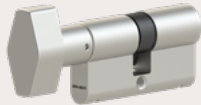
CY100, CYS10



Anti-snap protection

The cylinder is designed to break under attack, while leaving the inner plug intact. If the lock is attacked, the cylinder breaks in a secure, pre-defined place. With the main mechanism intact, the keyholder can still use their key to unlock the door, so the cylinder doesn't need immediate replacement.

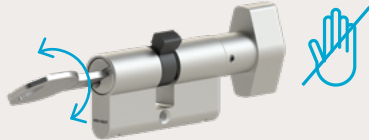
CY110, CYS10



Classroom function

The thumbturn can only unlock the cylinder (either turning clockwise or anti-clockwise) and cannot override a key being turned. Ensuring that the thumbturn cannot be used to lock users out, which is relevant for applications with children, such as in schools.

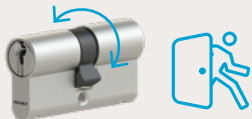
CY110, CYS10



Clutch release

Inserting the key into a thumbturn cylinder with clutch release overrides the thumbturn if being held closed. A health and safety feature, ensuring that a user is not able to barricade themselves within a room. Suitable for a variety of applications, most notably the health sector.

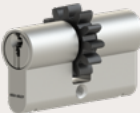
CY110, CY100, CYS10



Free wheeling cam

The cam spins freely through 360° and only engages when a key is inserted. When no key is inserted, none of the plugs operate with the cam. This feature is typically used with panic function, in emergency and panic exit doors (EN 179 and EN 1125).

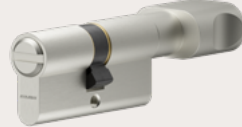
CY110, CY100, CYS10



Gear wheel

Cylinders with a gear wheel instead of a cam are used in doors with horizontal lock bar, for example. These locks are designed to work with gear wheels, not a cam.

CY100



Emergency release coin slot

Used in combination with a Euro double cylinder with thumbturn – commonly in bedrooms or toilets – a coin slot allows emergency lock release from outside.

CY110, CY100, CYS10



Multi-position cam

The cam can be adjusted to 12 positions within a 30° angle (CY100) or 8 positions within a 45° angle (CY110, CYS10) by pressing the cam's locking pin and turning the cam into the application's required position. For use with key switches.

CY110



FZG function

Fulfilling the requirements of FZG regulation, this special function combines free wheeling cam and emergency clutch. It is often used in motor-driven locking cylinders.

CY100, CYS10



Construction keying

One temporary key gives contractors access to several homes during building phase. Homeowner keys are protected from duplication when they move in. When inserted and turned, their key changes the cylinder's internal mechanism, permanently invalidating the construction key.

Standards and certification



An aid to better understanding



When you choose an ASSA ABLOY solution, you place your trust in our history of reliability and innovation. You can also depend on us to ensure your mechanical locks and keys meet – and often exceed – all relevant standards for security.

Our in-house testing laboratories push every device and component to its limit, long before it ever reaches the market. In addition, we submit mechanical devices for stringent third-party testing to achieve some or all of the following important certifications.



EN 1303

This wide-ranging standard for high-quality mechanical security covers both cylinders and their keys, assuring performance on criteria including strength, security, durability and corrosion resistance.

EN 1303 uses an 8-digit coding which is based on performance tests. Each digit refers to a product feature measured against the standard's performance requirements. Compliance with EN 1303 doesn't automatically indicate a high security standard. Precise gradings are decisive; see the table below.

 Category of use	 Durability	 Door mass	 Fire resistance	 Safety	 Corrosion and temperature resistance	 Key related security	 Attack resistance
Grade 1: Keys shall resist a torque of 2.5 Nm and still be usable. This is for use by people with a high incentive to exercise care and with a small chance of misuse.	Grade 4: 25,000 test cycles Grade 5: 50,000 test cycles Grade 6: 100,000 test cycles	Grade 0: No requirement	Grade 0: Not approved for use on fire resistant / smoke control door assemblies Grade A: Suitable for use on smoke control door assemblies Grade B: Suitable for use on fire resistant and smoke control door assemblies	Grade 0: No requirement	Grade 0: No corrosion requirement, no temperature requirement Grade A: High corrosion resistance, no temperature requirement Grade B: No corrosion requirement, temperature requirement from – 25°C to + 65°C Grade C: High corrosion resistance, temperature requirement from – 25°C to + 65°C	Grade 1: Min. number of effective differs: 100 Min. number of movable detainers: 2 Torque resistance of plug/cylinder: 2.5 Nm Grade 2: Min. number of effective differs: 300 Min. number of movable detainers: 3 Torque resistance of plug/cylinder: 5 Nm Grade 3: Min. number of effective differs: 15,000 Min. number of movable detainers: 5 Torque resistance of plug/cylinder: 15 Nm Grade 4: Min. number of effective differs: 30,000 Min. number of movable detainers: 5 Torque resistance of plug/cylinder: 15 Nm Grade 5: Min. number of effective differs: 30,000 Min. number of movable detainers: 6 Torque resistance of plug/cylinder: 15 Nm Grade 6: Min. number of effective differs: 100,000 Min. number of movable detainers: 6 Torque resistance of plug/cylinder: 15 Nm	Grade 0: No resistance against drilling, no resistance against mechanical attack Grade A: 3/5 minute resistance against drilling; resistance against mechanical attack except plug / cylinder extraction Grade B: 5/10 minute resistance against drilling; resistance against mechanical attack except plug / cylinder extraction Grade C: 3/5 minute resistance against drilling; resistance against mechanical attack incl. 10 kN pulling resistance Grade D: 5/10 minute resistance against drilling; resistance against mechanical attack incl. 15 kN pulling resistance <i>Mechanical attack includes chisel, twisting and plug/cylinder extraction</i>



DIN 18252

This formatting standard defines terminology, dimensions, requirements, test methods and marking to ensure that Euro profile cylinders are standardized – and therefore easily interchangeable and replaceable.



TS 007 + BSI Kitemark™

Administered by the UK's Door & Hardware Federation, TS 007 (Technical Standard 007) specifies requirements for locking cylinders, door handles and other door hardware. It assesses cylinders' vulnerability to attacks which use skill and/or knowledge. A panel of independent locksmiths manually performs picking and bumping tests. EN 1303 attack resistance and key-related security are also considered.

TS 007 assesses high-security cylinders with 1 or 3 stars. TS 007***, the higher, also includes snapping attack resistance. TS 007 is deployed in conjunction with a British Kitemark certification. The BSI Kitemark confirms testing has been independent and repeated; manufacturing quality is also audited.



SKG

A cylinder's SKG rating indicates resistance to various common forms of destructive attack and key-related security: similar to EN 1303, it covers additional manipulation types. The rating is easily identified on the cylinder itself, marked with 2 or 3 stars. SKG***, the top level, resembles the highest EN 1303 grading.

Especially important for high-security environments, SKG ratings are certified by an independent Dutch testing institute and valid Europe-wide. Many insurance providers in the Netherlands now require insured houses to have SKG-rated locks.



EN 12320

This standard applies to padlocks, padlock fittings and their keys.

EN 12320 establishes six grades – from grade 1 (low security) to 6 (maximum security, for limited cases) – based on performance tests for corrosion resistance, durability, key-related security and resistance to various forms of attack. To achieve a grade, all its criteria must be met or exceeded.



Why patent protection also matters

Our active patent strategy adds another layer of safety for building owners and users. Patent protection for our mechanical solutions stretching almost into the 2040s restricts key duplication to authorized partners, which reduces the likelihood of unauthorized key copies in circulation – and hence of unwanted access to your property. Thus, the risk that valid keys are in the wrong hands is much lower than with an “off-the-shelf” solution.

Mechanical cylinder product overview



General information



GENERAL
INFORMATION



CY110		CY100		CYS10	
Key design	Dimple key	Dimple key		Sawn key	
Focus area	Commercial	Residential		Commercial	
Applications	Internal and external doors Letterbox, cabinets and drawers Sheds, gates, lockers and storage boxes	Internal and external doors Letterbox, cabinets and drawers Sheds, gates, lockers and storage boxes		Internal and external doors Switch boxes and control panels Letterbox, cabinets and drawers Sheds, gates, lockers and storage boxes	
Portfolio	Euro double cylinder Euro double thumbturn cylinder Euro double cylinder with thumbturn axis Euro single cylinder Euro single thumbturn cylinder Rim cylinder Cam lock Padlock	Euro double cylinder Euro double thumbturn cylinder Euro double cylinder with thumbturn axis Euro single cylinder Euro single thumbturn cylinder Rim cylinder Cam lock Padlock		Euro double cylinder Euro double thumbturn cylinder Euro double cylinder with thumbturn axis Euro single cylinder Rim cylinder Screw-in cylinder Switch cylinder Cam lock Padlock	
Optional functionality for Euro profile cylinders	Emergency clutch Free wheeling cam Gear wheel cam Clutch release Classroom function FZG function Elevator version Adjustable cam (8 x 45°) as standard	Emergency clutch Free wheeling cam Gear wheel cam Bulgarian cam Construction keying Emergency release coin slot Adjustable cam (12 x 30°)		Emergency clutch Free wheeling cam Gear wheel cam Construction keying Local cam designs (French, Adriatic Jus) Clutch release Classroom function Adjustable cam (8 x 45°)	
Accessories	Plastic insert, black or blue	Plastic insert, black or blue		Plastic insert, black or blue	

Please check for availability in your region.

Mechanical cylinder product overview



	CY110	CY100	CYS10
Certification <i>for Euro profile cylinders</i>	EN 1303:2015 certified, 1 6 0 B 0 C 5 0/D (grade D optional – when used with security escutcheon) SKG** certified DIN 18252 compliant	EN 1303:2015 certified, 1 6 0 B 0 C 6 D SKG** certified (except anti-snap design) DIN 18252 compliant	EN 1303:2015 certified, 1 6 0 B 0 C 6 0/D (grade D optional) SKG*** certified (optional) DIN 18252 compliant 3rd-party tested bump resistance
Certification <i>for padlock</i>	EN 12320:2012 certified, security grade 3 IP67 rated (with dust cover)	EN 12320:2012 certified, security grade 3 IP67 rated (with dust cover)	EN 12320:2012 certified, security grade 3 IP67 rated (with dust cover)
Legal key copy protection	Patent-protected until 2036	Patent-protected until 2036	Patent-protected until 2037
Durability	96-hour corrosion resistance 500,000 lock/unlock cycles tested (accelerated test)	96-hour corrosion resistance 100,000 lock/unlock cycles tested	96-hour corrosion resistance 300,000 lock/unlock cycles tested
Attack resistance <i>for Euro profile cylinders</i>	Anti-pick Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance (optional) Anti-bump (only for KA and KD)	Anti-pick Anti-drill: 5 min. drilling resistance Anti-pull: 15 kN pulling resistance Anti-bump (only for KA and KD) Anti-snap (optional)	Anti-pick Anti-drill: 5 min. drilling resistance (optional) Anti-pull: 15 kN pulling resistance (optional) Anti-bump (also for MKS) Anti-snap (optional)

Please check for availability in your region.

Mechanical cylinder product overview



Technical details



TECHNICAL
DETAILS



	CY110	CY100	CYS10
Keying	Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)	Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)	Master key system (MKS) Keyed alike (KA) Keyed to differ (KD)
Number of keys	MKS and KA: according to order KD: 3	MKS and KA: according to order KD: 3	MKS and KA: according to order KD: 3
Max. number of effective key differs	92,232	101,000	144,729
Average/max. GMK capacity per profile	188/399 cylinders	400/600 cylinders	3,723/6,171 cylinders
Theoretical capacity of average MKS with GMK only	2,362 cylinders (6 pins) 25,568 cylinders (6 pins + passive pins)	1,800 cylinders	93,075 cylinders (bump resistant)
Exclusive profiles	10	4	6
Profile shape	Paracentric	Paracentric	Paracentric
Number of pins	6 (+ passive pins, 11 possible)	6	6

Please check for availability in your region.

Mechanical cylinder product overview



MATERIAL AND DIMENSIONS



	CY110	CY100	CYS10
Raw material	Key: Nickel silver Cylinders: Brass Padlock body: Brass Padlock shackle: Hardened boron steel, 25 mm stainless steel (optional)	Key: Brass Cylinders: Brass Padlock body: Brass Padlock shackle: Hardened boron steel	Key: Nickel silver Cylinders: Brass Padlock body: Brass Padlock shackle: Hardened boron steel, 25 mm stainless steel (optional)
Finish	Key: Nickel silver Cylinders: Satin nickel, Polished brass, Black chrome Padlock: Satin nickel	Key: Nickel-plated brass Cylinders: Satin nickel Padlock: Satin nickel	Key: Nickel silver Cylinders: Satin nickel Padlock: Satin nickel
Key thickness	2.9 mm	2.6 mm	2.5 mm
Key neck length	15 mm	14 mm	17.2 mm
Double cylinder length	Minimum: 30 30 mm; 28 30 mm Maximum: 80 80 mm; 28 65 mm Increments: 5 mm (starting from 30 30) Additional: 32.5 32.5	Minimum: 31 31 mm Maximum: 76 76 mm Increments: 5 mm (starting from 31 31)	Minimum: 27 27 mm Maximum: 90 90 mm Increments: 5 mm (starting from 30 30)
Single cylinder length	Minimum: 28 10 mm Maximum: 80 10 mm Increments: 5 mm (starting from 30 10)	Minimum: 31 9 mm Maximum: 71 9 mm Increments: 5 mm (starting from 31 9)	Minimum: 27 10 mm Maximum: 90 10 mm Increments: 5 mm (starting from 30 10 mm)
Padlock shackle clearance	25 mm 50 mm 75 mm	25 mm	25 mm 50 mm 75 mm

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