



Specification

- Key-key type cylinder compatible with all standard euro profile mortise locks.
- Length starts at 30/30, available in 5 mm increments up to 80/80, both in offset and equal lengths.
- Passed over 100,000 test cycles in durability tests.
- Solid brass pins and stainless steel 304 springs for high precision and extended service life.
- Suitable for both indoor and outdoor applications due to high corrosion resistance even in extreme temperatures between -25 °C and +65 °C.
- Suitable for use on metal and timber fire doors.
- Supplied with 5 nickel-plated brass keys.

CE Classification

160B0C40



Keyway	Mapped
Material	HPB59-1 Brass
Section Size	Ø17x33x10 mm
Cam	R15 x 6.5 Sintered Steel
Pins	6 Movable Solid Brass Detainers
Keys	5 Nickel-plated 2.2 mm Solid Brass Keys
Fixing Screw	Stainless Steel 304 Fixing Screw
Packaging	50 Units per Carton

Security Features

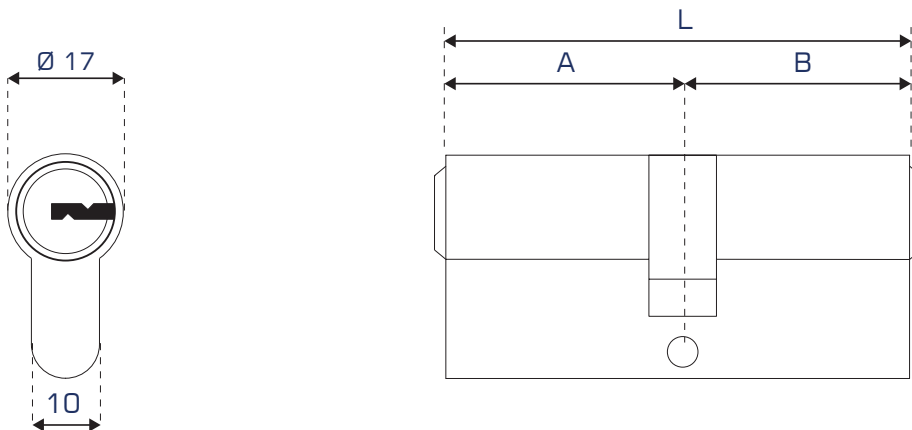
- 6+6 movable pins (detainers) allowing for higher security with over 100,000 different combinations.
- Sintered steel cam protrudes at 30° angle out of cylinder body when key is pulled out, making it impossible for the cylinder to be drawn out of lock by force.
- Anti-duplication keyway: Prevents the illegal duplication of keys with the latest dimple key technology.
- Anti-snap: Divided into sections, it prevents access to the lock after breaking off the external section. Intruders cannot gain entry but the lock remains functional with a key from the inside.
- Anti-pick: Specially designed pins so that if anything other than the appropriate key was used to infiltrate the cylinder, it would catch on the pins and prevent the cylinder from unlocking.
- Anti-bump: Using a shallow pin stack prevents the pins from jumping if a bump key was forced into the cylinders.
- Anti-drill: Using a set of plates and 10 concealed steel pins, the integrity of the cylinders is protected if attacked by a drill.
- Anti-twist: With a sophisticated multi-part mechanism, twisting off the cylinder will not move the cam controlling the lock.
- Anti-plug pull: The core cannot be extracted from the cylinder thanks to strengthened steel circlips that hold the core in place.

Certification

- 10 year warranty: The performance of this product and all its variants are covered by Wilroy's hassle-free warranty.
- CE marked and fully tested to EN 1303:2015.
- CE marked and fully tested to EN 1634-1:2014 for suitability of use on fire doors.
- Fully compliant with DIN 18252.

Digit	Grade	Description
2 nd	6	Passed 100,000 test cycles. This is the highest possible grade according to EN 1303:2015 standards.
4 th	B	Suitable and approved for use on fire/smoke door assemblies. Tested according to EN 1634-1:2014 standards, and achieved fire resistance of 260 minutes on steel fire doors and 111 minutes on timber fire doors.
6 th	C	High corrosion resistance. Temperature requirement between -25 °C and +65 °C.
7 th	4	Minimum of 5 movable elements within the cylinder, resulting in more than 30,000 effective differs for the key with torque resistance of 15 Nm with no coding on key disclosing combination.

Technical Design



Finishes

- AB - Antique Brass
- AC - Antique Copper
- BP - Matted Black
- GM - Gun Metal
- PB - Polished Brass
- PN - Polished Nickel
- PS - Polished Stainless Steel
- RG - Rose Gold
- SB - Satin Brass
- SN - Satin Nickel
- SS - Satin Stainless Steel

VARIANTS

BCA			
Catalog#	A (mm)	B (mm)	Length
BCA3030	30	30	30/30
BCA3035	30	35	30/35
BCA3040	30	40	30/40
BCA3045	30	45	30/45
BCA3050	30	50	30/50
BCA3055	30	55	30/55
BCA3060	30	60	30/60
BCA3065	30	65	30/65
BCA3070	30	70	30/70
BCA3075	30	75	30/75
BCA3080	30	80	30/80
BCA3535	35	35	35/35
BCA3540	35	40	35/40
BCA3545	35	45	35/45
BCA3550	35	50	35/50
BCA3555	35	55	35/55
BCA3560	35	60	35/60
BCA3565	35	65	35/65
BCA3570	35	70	35/70
BCA3575	35	75	35/75
BCA3580	35	80	35/80
BCA4040	40	40	40/40
BCA4045	40	45	40/45
BCA4050	40	50	40/50
BCA4055	40	55	40/55
BCA4060	40	60	40/60
BCA4065	40	65	40/65
BCA4070	40	70	40/70
BCA4075	40	75	40/75
BCA4080	40	80	40/80
BCA4545	45	45	45/45
BCA4550	45	50	45/50
BCA4555	45	55	45/55
BCA4560	45	60	45/60
BCA4565	45	65	45/65
BCA4570	45	70	45/70
BCA4575	45	75	45/75
BCA4580	45	80	45/80
BCA5050	50	50	50/50
BCA5055	50	55	50/55
BCA5060	50	60	50/60
BCA5065	50	65	50/65
BCA5070	50	70	50/70
BCA5075	50	75	50/75
BCA5080	50	80	50/80
BCA5555	55	55	55/55

Catalog#	A (mm)	B (mm)	Length
BCA5560	55	60	55/60
BCA5565	55	65	55/65
BCA5570	55	70	55/70
BCA5575	55	75	55/75
BCA5580	55	80	55/80
BCA6060	60	60	60/60
BCA6065	60	65	60/65
BCA6070	60	70	60/70
BCA6075	60	75	60/75
BCA6080	60	80	60/80
BCA6565	65	65	65/65
BCA6570	65	70	65/70
BCA6575	65	75	65/75
BCA6580	65	80	65/80
BCA7070	70	70	70/70
BCA7075	70	75	70/75
BCA7080	70	80	70/80
BCA7575	75	75	75/75
BCA7580	75	80	75/80
BCA8080	80	80	80/80