



Standard, Small Format IC & Patented

# DORMA Key Systems





A properly designed key system is crucial to creating a safe and secure building. Your key system needs to balance authorized access while maintaining security. DORMA is here to help.

# **DORMA Lock Cylinders and Key Systems**

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One of the most important decisions that you will make when securing your facility is the design of your new key system. DORMA offers both products and master key design services to meet this critical need—from our patented serialized key control (SKC) key system to our experienced staff of locksmiths.

DORMA can supply lock cylinders, keys, and complete key systems designed to meet your specifications. From a small office building to an extensive multicampus university, DORMA Key Systems are designed to meet your requirements and exceed your expectations.



The quality management systems at the Reamstown, PA and Steeleville, IL facilities are certified to ISO-9001:2008.\*



\*DORMA Door Controls Inc., dba: DORMA Architectural Hardware



# DORMA Lock Cylinders and Key Systems

# **Quick Facts**

### **DORMA Master Key Systems**

- DORMA uses state-of-the-art software combined with many years of experience to design a master key system unique to your specification.
- Both non-patented and patented serialized key control (SKC) products are available for both new and existing key systems.
- DORMA SKC products are an affordable solution to unauthorized key duplication.
- DORMA offers a wide range of products—
   From conventional mortise, rim, and key-in-lever cylinders to small format interchangeable cores (SFIC).
- DORMA understands that your key system is yours. We assist our clients daily by providing all of the information necessary to maintain and expand their key systems.

### **DORMA Master Key System Department**

- The DORMA Master Key Department works with you to design a practical key system that balances your need for security and ease of management.
- The key system team includes ALOA registered locksmiths (RL) and certified master locksmiths (CML). We understand how key systems work in the real world.
- A key system specification questionnaire ensures that you get the system you want and that your order is processed quickly and accurately.
- DORMA verifies authority and encrypts all records before any key system information is transferred.
- DORMA policy recognizes the authorized end user's right to a transcript (bitting list) of the master key system.
- Industry standard terminology and symbols (BHMA, DHI, ALOA) are used to prevent miscommunication and ease the transition to a local service provider.
- All key system records are carefully maintained, allowing existing systems to be supported and extended for future expansion.
- The DORMA Master Key Department fields regular calls from end users seeking information and assistance to maintain and extend their key systems.



# **DORMA General Product Features**

- DORMA factory key systems use high quality brass lock cylinders with nickel silver key blanks and bottom pins to maximize the life span of a key system.
- SFIC cylinders in 13 industry standard keyways are available, as well as DORMA's patented SKC system.
- DORMA also offers a wide range of retrofit lock cylinders in 15 popular keyways, enabling service to many existing key systems.
- The DORMA line of retrofit cylinders allows you to mix different brands and models of locks, while maintaining one master key system. Consult the DORMA Master Key Department for specific retrofit applications.

# DORMA Serialized Key Control (SKC) Features

- DORMA's patented Serialized Key Control (SKC) products fill your need for easy cost effective protection from unauthorized key duplication.
- For maximum protection against unauthorized key duplication, DORMA SKC systems are protected by United States patent law until the year 2025.
- DORMA SKC systems use a state-of-the-art, patent-pending web-based key tracking system, operating similarly to webbased banking. Every key has a unique laser etched serial number.
- DORMA uses a network of local certified key cutters (CKC program) to provide local service and support for your SKC or standard key system.
- DORMA's SKC institutional key cutter (IKC) program also supports end users who have their own in-house locksmiths.
- The SKC system allows you to mix standard lock cylinders with small format interchangeable core cylinders, allowing flexibility and cost savings.

# SKC Technical Details Nomenclature





# **SKC Technical Details**

**Applications:** SKC keys and cylinders combat unauthorized key duplication in commercial and institutional buildings. This product can be used wherever key control and key tracking are required.

SKC cylinders can be used in any DORMA lock or exit device, as well as Schlage $^{TM}$ , Best $^{TM}$ , and many other popular products. DORMA SKC cylinders are available for both small format interchangeable core (SFIC) and conventional (non-IC) cylinder applications.

**Features:** Each DORMA SKC key and key blank is engraved with a unique serial number at the factory. Serial numbers are never repeated, allowing identification and tracking of each key.

Warranty: Lifetime warranty against key breakage.

Patent: USPTO published application 20070017264 will expire August 11, 2025.

Keyway: DORMA D100 (standard).

Pins: Seven (7) nickel-silver pins (standard).

**Keying:** Factory master keying or 0-bitted/uncombinated for local keying.

**Construction Keying:** Master keyed conventional cylinders are available with lost ball construction keying. Any permanent key (change key or master key) will trigger the construction device.

Interchangeable core locks and cylinders are available with temporary interchangeable cores. The temporary cores can be returned for a credit at the end of the construction project.

**Service Items:** Key machines, pin kits, and accessory and service items are available to support DORMA SKC systems in the field.

# **Nomenclature**

**O-bitted:** A cylinder keyed to a blank key for easy keying in the field. Interchangeable cores are not available O-bitted. Use UNC for cores that will be keyed in the field.

**CMK:** A master keyed and construction keyed cylinder. DORMA uses the lost ball method in a dedicated pin chamber with either a 0.045 (SC) or a 0.075 (DORMA SKC) diameter construction ball. When the construction master key is no longer needed, a permanent key acts as a breakout key and triggers the construction ball. Smaller diameter construction balls are available to key into existing systems established by other manufacturers.

**KA2:** Keyed alike (2) in pairs to a random bitting.

**KA4:** Keyed alike (4) in sets of four to a random bitting.

**KD:** Keyed different to a random bitting

**MKD:** Keyed into a master key system. This includes cylinders keyed to masters only and SKD groups.

**NSK:** Keyed alike to a random combination in multiples other than 2 or 4. This can also include keying across line items.

**UNC:** An uncombinated interchangeable core without any caps, pins, springs, or key blanks that is ready for combinating (another word for keying) in the field.

**TMP:** A temporary interchangeable core spray painted black, blue, or green indicating its keyed alike group. TMP cores do not offer the security of cores keyed to your own system. They make an opening functional for use during construction.

NOTE: DORMA strives to use industry accepted names and terms to describe our products, parts, methods, and procedures. DORMA uses terms accepted by the Associated Locksmiths of America (ALOA), the Door Hardware Institute (DHI), and the Building Hardware Manufactures Association (BHMA). By using industry standard language, we strive to provide accurate consistent service to our customers. If you are in doubt, please contact the DORMA MK Department.



# **DORMA Factory Master Key Systems**

Three product types available master keyed:

- SC and SE keyways match standard C and E keyways by Schlage, Arrow, Baldwin, and others.
- SFIC keyways compatible with Arrow, Best, and Falcon systems.
- DORMA's patented SKC products, using our unique webbased key control system.

# SC and SE Keyways





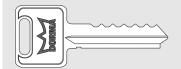




6-pin SC is the default keyway for non-IC locks. SC is available 0-bitted, in stock keying arrangements, factory master keyed, and construction keyed. SE is available O-bitted, master keyed, or construction keyed. Keys are nickel silver. When product is master keyed, all keys are ordered separately.

Keys can be duplicated by locksmiths and home centers.

# SFIC Keyways





7-pin BA is the default for DORMA locks ordered with small format interchangeable cores (SFIC). Cores are available keyed or uncombinated. BA keys are nickel silver. When product is keyed, all keys are ordered separately.

We also offer BB, BC, BD, BE, BF, BG, BH, BJ, BK, BL, BM, and BQ keys and key blanks (stamped Duplication Prohibited). 6- and 7-pin cores are available. 7-pin is recommended for keying capacity. All DORMA locksets prepared for SFIC accept both 6- and 7-pin cores.

Keys can be duplicated by most locksmiths.

# **DORMA SKC - Serialized Key Control**

- · Superior retrofit capability
- Web-based Patented key control
- 7-pin cores and cylinders

Serialized Key Control is an innovative web-based system in which every SKC key is engraved with a unique serial number. Blanks are restricted and sold only to agents under contract with DORMA. The chain of accountability is maintained on the web at www.keyauthorization.com.

SKC is a 7-pin system that allows interkeying of small format interchangeable cores and conventional mortise, rim, and key-in-lever/knob cylinders. Key duplication can be done in the field by factory authorized commercial key cutters. SKC is ideal for institutions such as colleges,









universities, school districts, healthcare facilities, government buildings, and military installations that need to prevent unauthorized key duplication.

End users have 24/7 real time web access to audit their keys and confirm who made them and when.

SKC uses brand new keyways and nickel silver keys. There are no stock SKC key systems—every job is custom. Keys for combinated cores are ordered separately. O-bitted cylinders and uncombinated cores are sold without blanks.

All SKC key blanks are stamped **DO NOT DUPLICATE**.

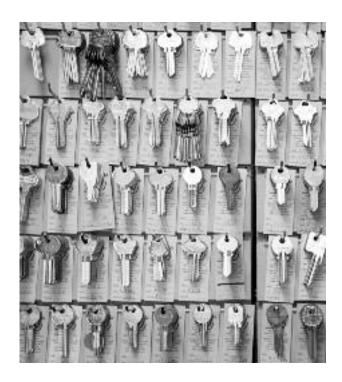
# **Serialized Key Control**

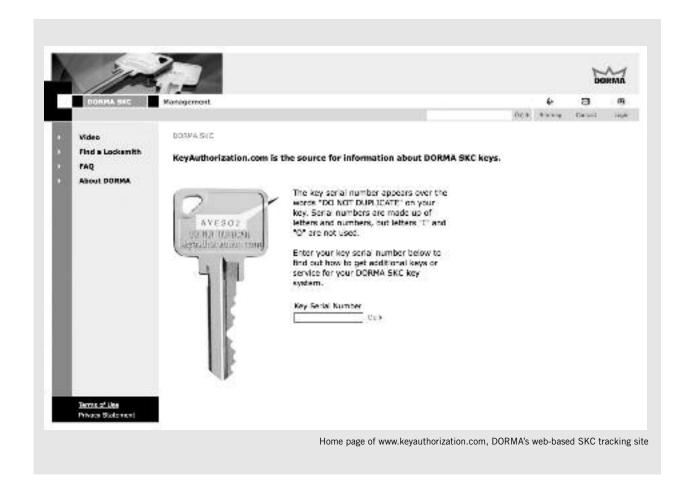
A leading cause of security breach is unauthorized key duplication. Using a common key available at a local hardware store is very convenient for both you and your rogue employee. Controlled, tracked, and authorized key duplication can solve many security problems.

DORMA's Serialized Key Control products can help you to regain control of your key system.

Like a snowflake, every SKC key blank is unique. A high tech laser engraves a six figure alphanumeric serial number on the head of every key blank.

This unique serial number allows you to track every key transaction on DORMA's patent-pending SKC tracking website.







# For Field Additions to Key Systems with Popular Keyways, DORMA Offers 0-Bitted Retrofit Cylinders

DORMA offers non-IC cylinders in other manufacturers' legacy keyways. These cylinders can be used to key into existing systems, and are available 0-bitted only for keying in the field. All are 6-pin except YG for Yale GA, which is pinned 5, drilled 6.

DORMA Designation	Original Manufacturer	Ilco Blank Numbers	EZ Numbers
AA	Arrow A	1179, A1179A	AR1, AR4
CA	Corbin 60	1001EH, A1001EH	C087, C088
СВ	Corbin 67	1001EN, 1001EG	C07, C036
CC	Corbin 77	R1001EN, R1001EG	SK1, CO62
CD	Corbin 59A1	1001AH, A1001AH	C091, C092
CE	CorbinRusswin L4	1001L4, A1001L4	RU101
RA	Russwin 981	1007LA, 01007LA	S22
RB	Russwin D1	N1011P, A1011P	RU4, RU52, RU16
GA	Sargent LA	1011D1, A1011D1	RU45, RU46
SF	Schlage F	1145F, A1145F	SC7, SC10
WA	Weiser E	1054WB, A1954WB	WR3.5, WR4
YA	Yale 8	999, 999A	Y1, Y2
YG	Yale GA	999GA, 998GA	Y78

Available, includes 2 keys

( ) Available, order keys separately

Available Keying Configurations	SC	SE	D100	Retro
СМК	0	0	0	_
MKD	0	0		_
0-Bit	•	•		•
NSK		-	_	_
KA4		-	_	_
KA2	•	-	_	_
KD	•	-	-	-



Master key system order forms and assistance are available from the DORMA Master Key Department. Call 800-523-8483 for more information.

The DORMA Key Records Department makes the final decision regarding keyways.

# 1 Level of Keying

System consists of change keys only. To specify non-master keyed locks either stand alone or as part of a larger master system, use SKD numbers. SKD denotes single keyed. Numbers follow the letters.



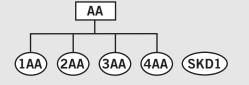






# 2 Levels of Keying

System consists of a master key and changes (simple master key system). The master key symbol is a pair of identical letters (AA, BB, CC, DD) to prevent confusion with 3 or more levels of keying. Numbers precede the letter pair. Multiple 2-level systems for the same project should have master keys named with different letter pairs.

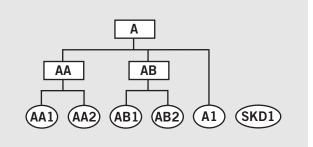


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Please visit www.dorma-usa for complete and up-to-date design forms.

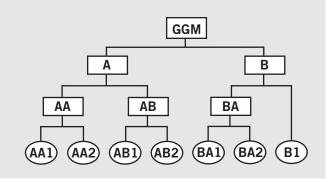
# 3 Levels of Keying

System consists of a grand master key, master keys, and their associated changes. A single letter symbolizes the grand master. Masters are symbolized by letter pairs—the first letter is the same as the grand master. To signify changes, numbers follow the letters. Do not use I, O, or Q in key systems of 3 or more levels to avoid confusion with the digits 1 and 0.



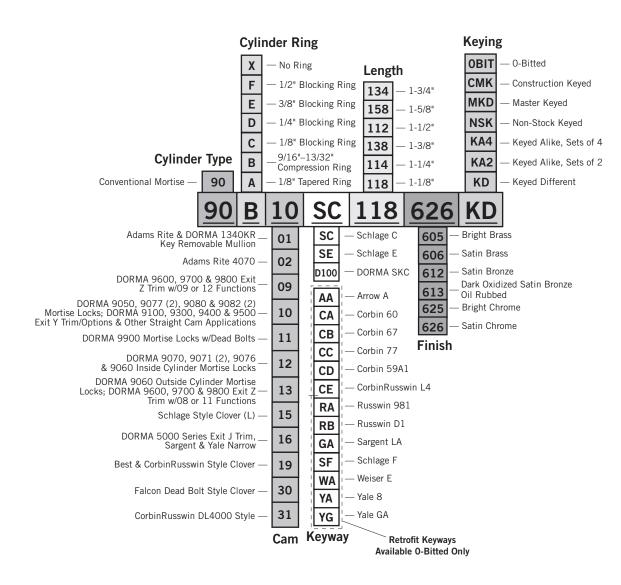
# 4 Levels of Keying

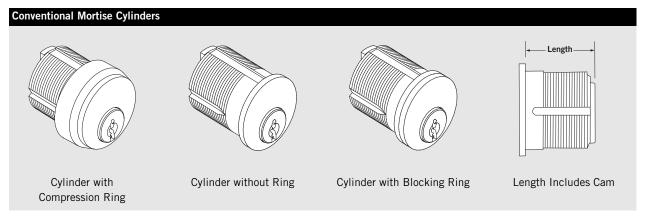
System consists of a great grand master, grand master keys, their associated master keys, and their associated changes. GGM is the symbol for the great grand. The rest of the symbols are the same as for 3-level systems. Do not use X for a grand.





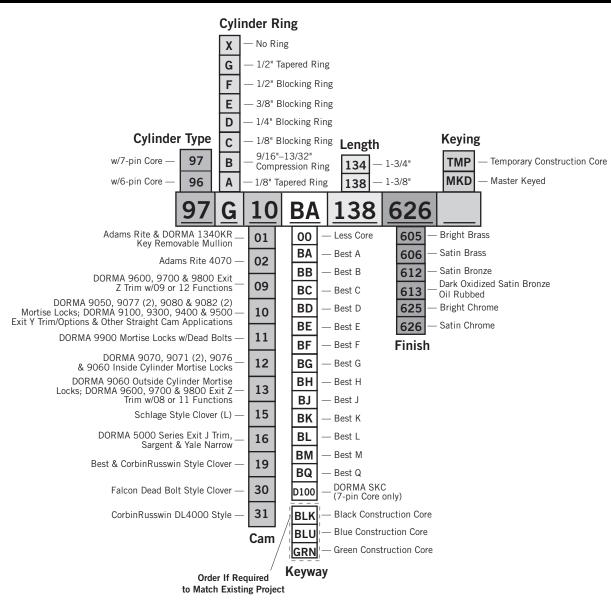
# How to Order Conventional (non-IC) Mortise Cylinders

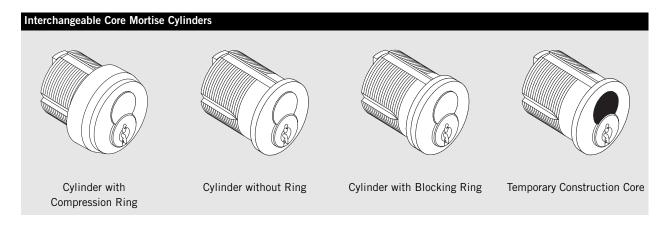




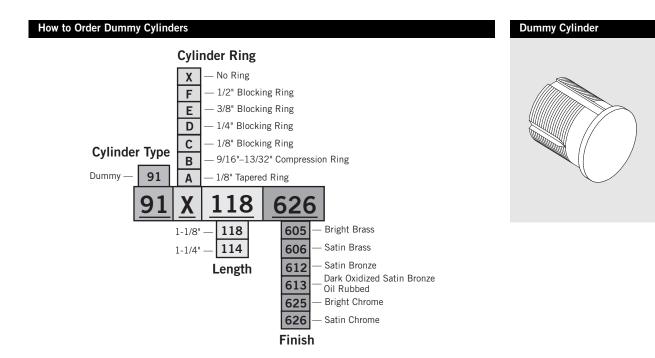
NOTE: For cylinders longer than 1-3/4", consult DORMA Technical Service.

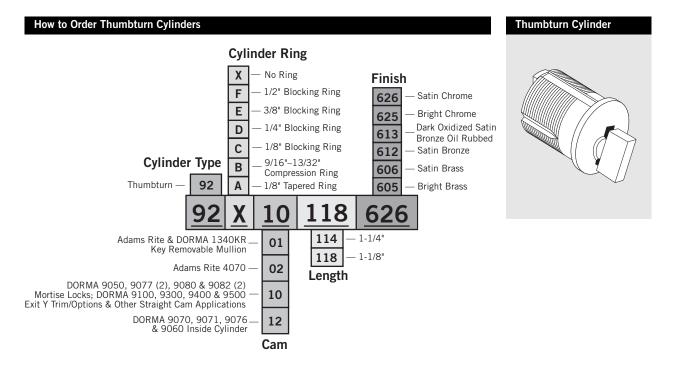
# How to Order Interchangeable Core Mortise Cylinders





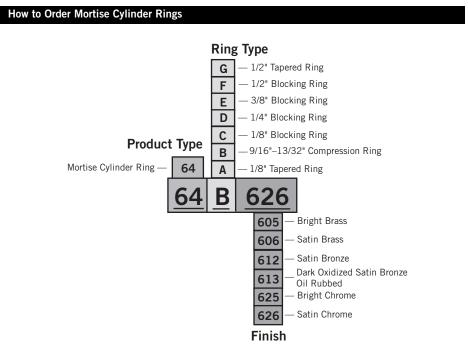


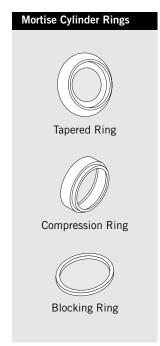


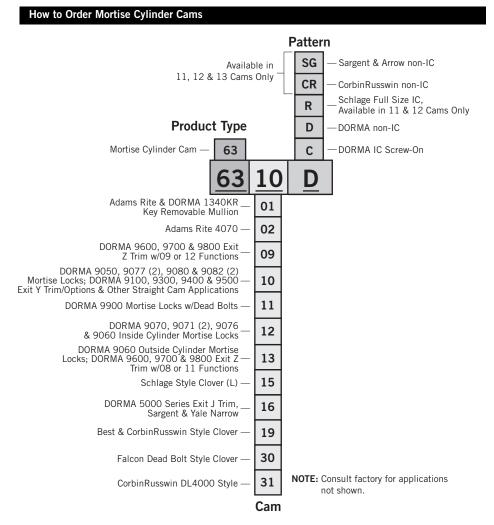


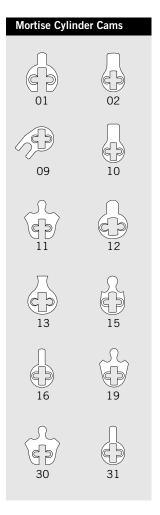
NOTE: For special cam applications, consult DORMA Technical Services.





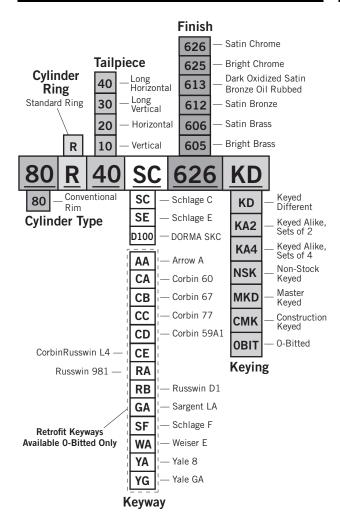




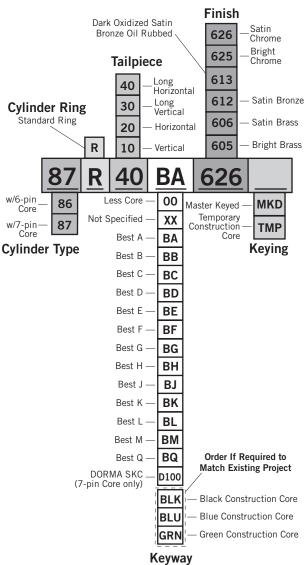




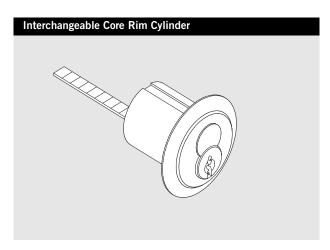
# How to Order Conventional (non-IC) Rim Cylinders

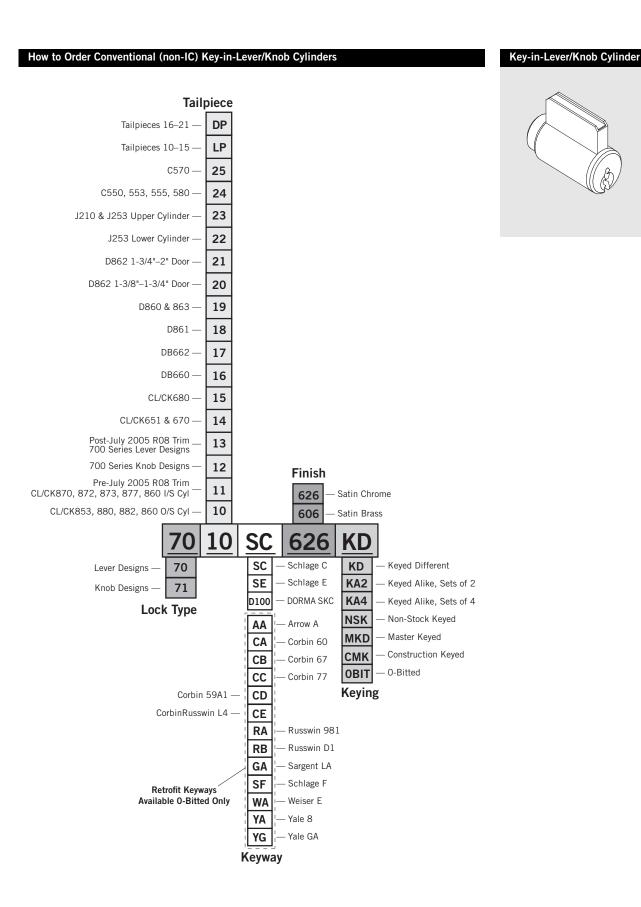


# How to Order Interchangeable Core Rim Cylinders



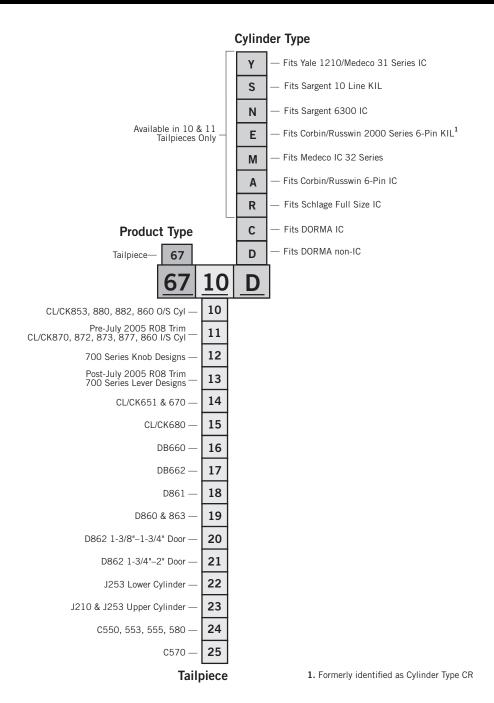
# Conventional (non-IC) Rim Cylinder



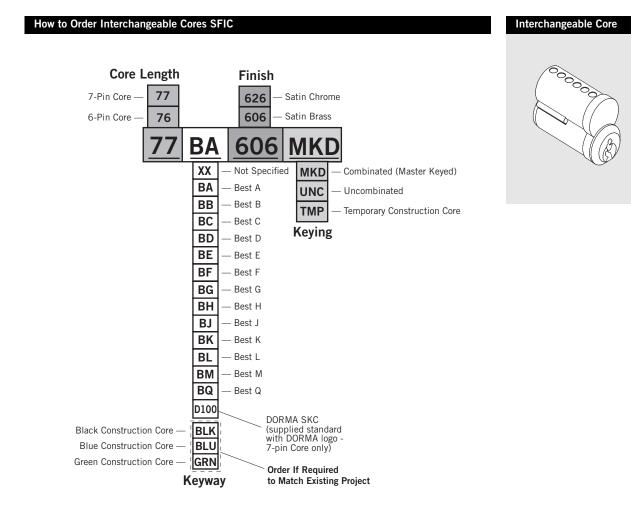




# How to Order Conventional/Interchangeable Core Tailpieces







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