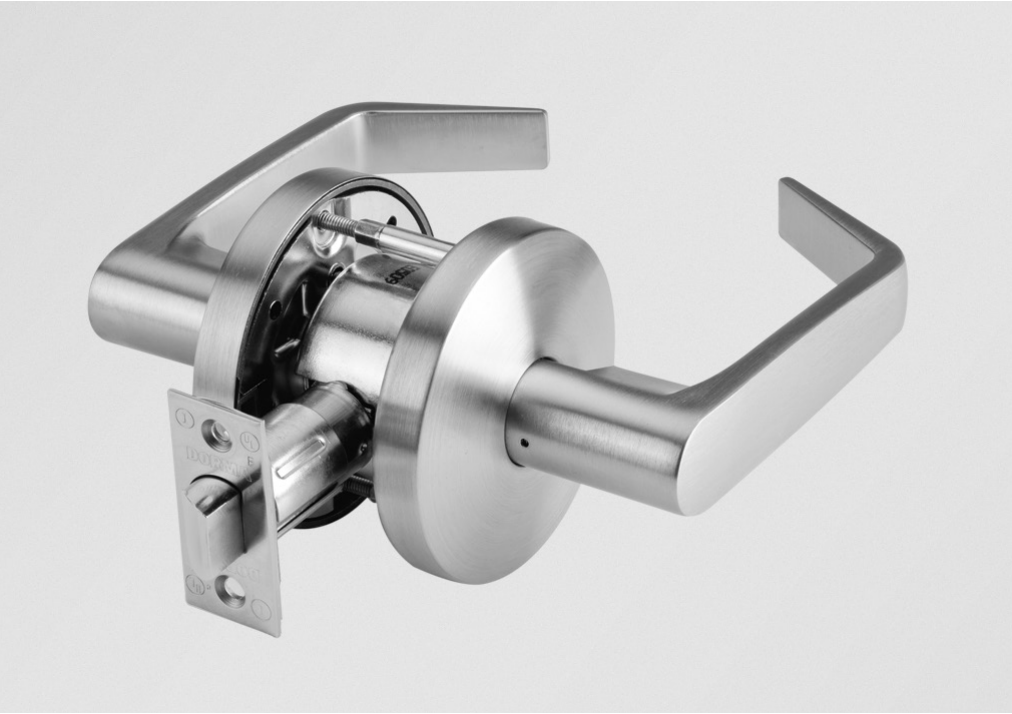
C500

Grade 2 Cylindrical Locksets



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DORMA USA quality and environmental management systems in Reamstown, PA and Steeleville, IL are certified to ISO 9001:2008 and ISO 14001:2004.

LR Lever

LC Lever

C500 – GRADE 2 CYLINDRICAL LOCKSETS

Providing security, aesthetics, and dependability at an affordable price.

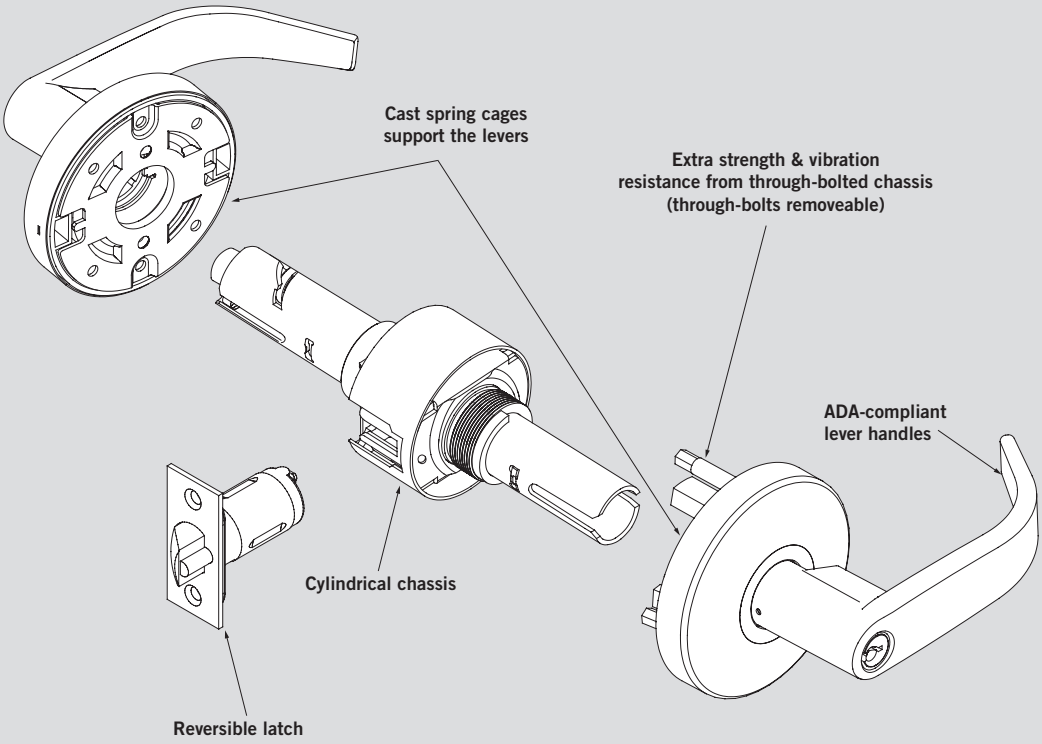
These key-in-lever locksets are built with a high performance cylindrical chassis for all applications where ANSI/BHMA A156.2 Series 4000 Grade 2 products are required. To meet the aesthetic needs of your project, these versatile locks are available with two lever designs, four standard finishes, and two optional finishes. Complementing the aesthetic appeal of the C500 are the ten different functions to help solve your challenging applications.

Features

- All DORMA C500 Series locks feature advanced design concepts, providing exceptional reliability, and are manufactured with the finest materials, delivering enhanced durability.
- DORMA C500 Series locks are easy to install in both wood or hollow metal doors with ANSI/BHMA A156.115 preparations for cylindrical locks.
- All C500 Series lever handle locks include special auxiliary support springs to insure smooth operation and long life.
- C500 Series locksets have an optional through-bolted chassis for additional strength and increased resistance to vibration (through-bolting recommended).
- All C500 Series locks are easily adjustable for doors from 1-3/8"–1-3/4" thick. Consult the factory for product suggestions for thick door applications.

Recommended Applications

- Hotels
- Apartments
- Churches
- Municipal Buildings
- Retail Complexes
- Offices
- Warehouses



Technical Details

- Non-handed for simple installation.
- Key-in-lever lock is through-bolted for additional strength and security.
- Lock chassis constructed of steel, stainless steel and precision castings for superior strength and corrosion resistance.
- Stainless steel latch bolt.
- Auxiliary deadlocking latch bolt for preventing manipulation when door is closed (all keyed functions).

Certification

The DORMA C500 Series products are U.L. and C.U.L listed and three hour fire rated for A label and lesser class single doors, 4'0" × 8'0" maximum.

The DORMA C500 is certified to the requirements of ANSI/BHMA A156.2 Series 4000 Grade 2. The C500 meets A117.1 and ADA requirements for barrier-free accessibility.

Cylinders and Keying

- Unless otherwise specified, cylinders will be provided in DORMA standard keyway with two (2) nickel silver keys.
- Optional patented key system available.
- Refer to **DORMA Price List** for full details and options such as master keying, retrofit cylinders and keyways, and small format and full size interchangeable cores.

Warranty

For details, refer to **Limited Warranty Policy** in the current **DORMA Price List**.

Finishes

- Brass: 605* (Bright, Clear Coated) or 606* (Satin).
- Bronze: 613 (Dark Oxidized Satin).
- Nickel: 619 (Satin).
- Chrome: 625* (Bright) or 626 (Satin).

NOTE*: Available by special order only with extended lead times.

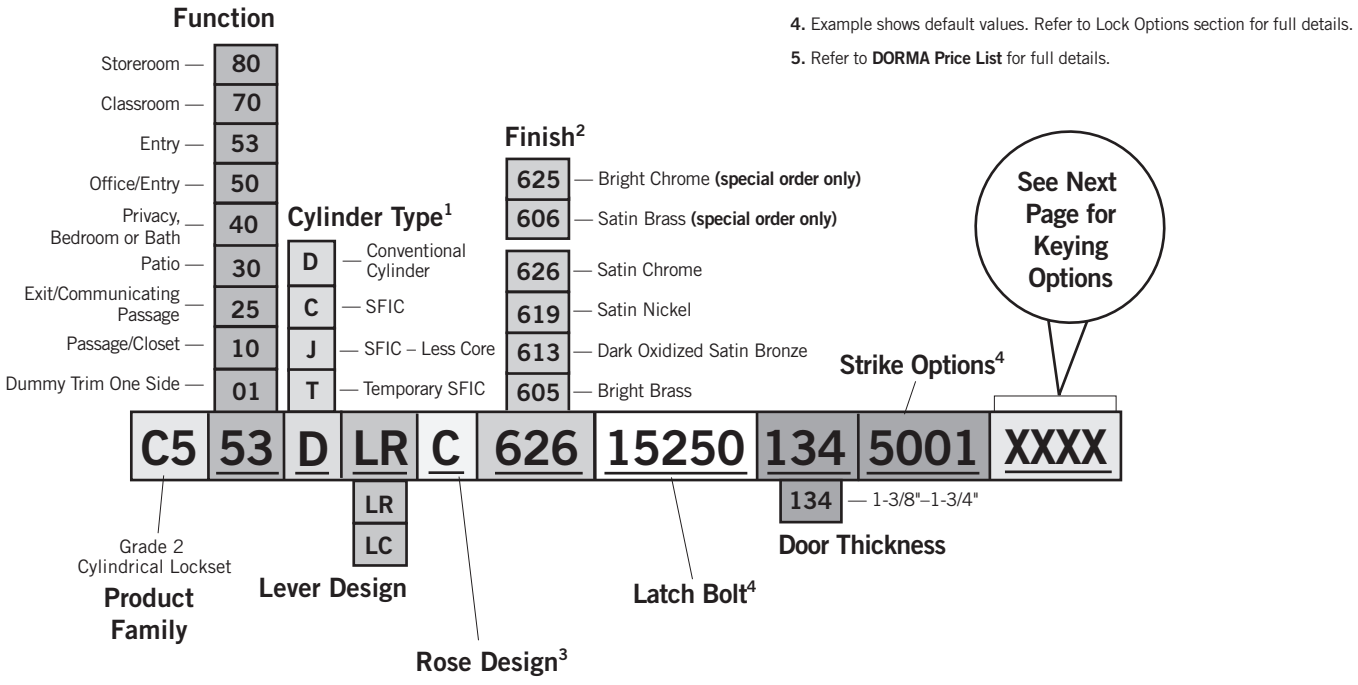
Special Finish Notes

ANSI/BHMA A156.18 standards describe 613 Dark Oxidized Satin Bronze finish as a category B finish. B category finishes, "do not match from one alloy or form of material to the next and from one manufacturer to the next." The 613 finish may vary between manufacturers' products and models.

In some instances, for customer convenience, the most appropriate BHMA finish symbols are used to indicate similarity of appearance, regardless of base metal or finishing process. Finishes of latches, strikes, cylinders/cores, and visible mounting screws, though similar in appearance, may differ from the finish of the trim. Finish designations in the 600 numbers are the BHMA (Builders Hardware Manufacturers Association) industry standard.

HOW TO ORDER C500 SERIES LOCKS

1. The C500 is not available less conventional cylinder. All keyed functions are available with or without SFIC cores.
2. For split finishes, consult factory. **606 and 625 finishes are available by special order only with extended lead times. Consult factory.**
3. Rose C (standard) is 3-5/16 inches in diameter.
4. Example shows default values. Refer to Lock Options section for full details.
5. Refer to **DORMA Price List** for full details.



HOW TO ORDER KEYWAYS

Standard Keyways

Keying

- 0BIT — 0-Bitted
- CMK — Construction Master Keyed
- MKD — Master Keyed
- NSK — Non-Stock Keyed
- KA4 — Keyed Alike, Sets of 4
- KA2 — Keyed Alike, Sets of 2
- KD — Keyed Different

SC KD

- SC — Schlage C
- SE — Schlage E
- D100 — DORMA SKC
- CA — Corbin 60
- CD — Corbin 59A1
- CE — CorbinRusswin L4
- RA — Russwin 981
- RB — Russwin D1
- GA — Sargent LA
- SF — Schlage F
- WA — Weiser E
- YA — Yale 8
- YG — Yale GA

Retrofit Keyways Available 0-Bitted Only

Keyway

IC Keyways

Keying

- TMP — Temporary Construction Core
- MKD — Combinated (Master Keyed)

BA MKD

- BA — Best A
- BB — Best B
- BC — Best C
- BD — Best D
- BE — Best E
- BF — Best F
- BG — Best G
- BH — Best H
- BJ — Best J
- BK — Best K
- BL — Best L
- BM — Best M
- BQ — Best Q
- D100 — DORMA SKC (7-pin Core only)
- BLK — Black Construction Core
- BLU — Blue Construction Core
- GRN — Green Construction Core

Specify Color If Required to Match Existing Project

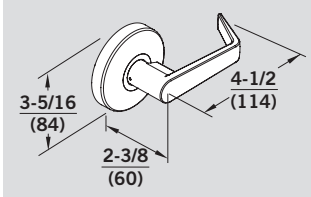
Keyway

TRIM OPTIONS

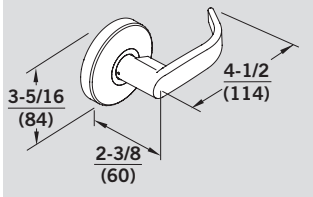
Lever Designs

- ADA compliant levers feature solid cast handles with returns to within 1/2" (12 mm) of the door face.

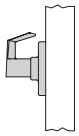
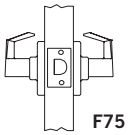
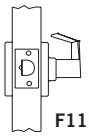
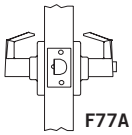
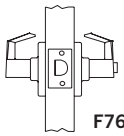
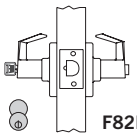
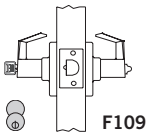
LR



LC

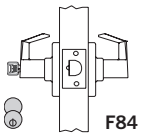
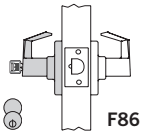


FUNCTIONS

Function	Series	Outside	Description
Dummy Trim One Side	**C501**		▪ Used as pull or matching trim on pairs of doors. ▪ Trim is through-bolted from opposite side.
Passage/Closet	**C510**	 **F75**	▪ Latch bolt operated by trim either side at all times.
Exit/Communicating Passage	**C525**	 **F111**	▪ Deadlocking latch bolt operated by inside trim. ▪ Blank plate outside. ▪ Minimum clearance 3/4" on single doors and 1-1/2" between double doors.
Patio	**C530**	 **F77A**	▪ Deadlocking latch bolt operated by trim either side. ▪ Outside trim locked by push button or locking device inside. ▪ Outside trim unlocked by trim inside. ▪ Outside trim unlocked by closing door. ▪ Inside trim always unlocked. ▪ Do not use in rooms that have no other entrance.
Privacy, Bedroom or Bath	**C540**	 **F76A**	▪ Latch bolt operated by trim either side. ▪ Outside trim locked by push button or locking device inside. ▪ Outside trim unlocked by emergency release outside. ▪ Outside trim unlocked by trim inside. ▪ Outside trim unlocked by closing door. ▪ Inside trim always unlocked.
Office/Entry	**C550**	 **F82B**	▪ Deadlocking latch bolt operated by trim either side, except when outside trim locked by push button inside. ▪ Key outside releases push button, unlocking outside trim. ▪ Outside trim unlocked by trim inside. ▪ Operating inside trim releases push button, unlocking outside trim. ▪ Inside trim always operates latch bolt.
Entry	**C553**	 **F109**	▪ Deadlocking latch bolt operated by trim either side, except when outside trim locked by push button inside. ▪ Key outside releases push button, unlocking outside trim, except when inside button pushed and turned to keep outside trim locked. ▪ Operating inside trim releases push button, unlocking outside trim, except when inside button pushed and turned to keep outside trim locked. ▪ Inside button must be turned to unlock outside trim. ▪ Inside trim always operates latch bolt.

Indicates rigid lever.

Indicates SFIC Core available.

Function	Series	Outside	Description
Classroom	**C570**	 **F84**	▪ Deadlocking latch bolt operated by trim either side, except when outside trim locked by key outside. ▪ Outside trim locked or unlocked by key outside. ▪ When outside trim locked, latch bolt operated by trim inside.
Storeroom	**C580**	 **F86**	▪ Deadlocking latch bolt retracted by key outside. ▪ Deadlocking latch bolt operated by trim inside ▪ Outside trim always inoperable.

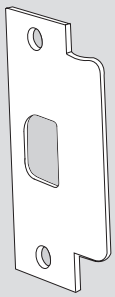
Indicates rigid lever.

Indicates SFIC Core available.

LOCK OPTIONS

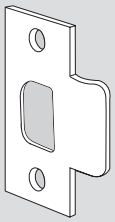
Strikes

Standard



5001 — ANSI 1-1/4" × 4-7/8" square corner strike. Default strike for all C500 Series locks.

Optional

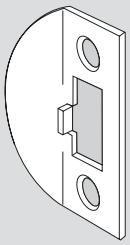


Optional for all C500 Series locks.

5101 — 1-1/8" × 2-3/4" square corner T-strike. 1-1/8" lip length.

Dust box included.

Optional

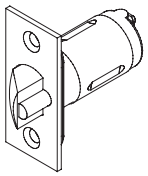


Optional for all C500 Series locks.

5201 — 1-5/8" × 2-1/4" square corner full curved lip strike. 1-1/8" lip length.

5202 — 1-5/8" × 2-1/4" full curved lip strike with 1/4" radiused corners. 1-1/8" lip length.

1/2" Throw Latch Bolt



DORMA FUNCTION (ANSI)	Part Number				
	2-3/4" Backset 1" Faceplate Square Corner	**2-3/4" Backset 1" Faceplate 1/4" Radius**	**2-3/4" Backset 1-1/8" Faceplate Square Corner**	**2-3/8" Backset 1" Faceplate Square Corner**	**2-3/8" Backset 1" Faceplate 1/4" Radius**
C510 (F75) – Passage/Closet	**15230**	15231	15232	15130	15131
C525 (F111) – Exit/Communicating Passage	**15250**	15251	15252	15150	15151
C530 (F77A) – Patio	**15280**	15281	15282	15180	15181
C540 (F76A) – Privacy, Bedroom or Bath	**15230**	15231	15232	15130	15131
C550 (F109) – Office/Entry	**15250**	15251	15252	15150	15151
C553 (F109) – Entry	**15250**	15251	15252	15150	15151
C570 (F84) – Classroom	**15250**	15251	15252	15150	15151
C580 (F86) – Storeroom	**15250**	15251	15252	15150	15151
C501 – Dummy Trim One Side	**-**	**-**	**-**	**-**	**-**

DORMA

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