

Grade 2  
Cylindrical  
Locksets

# DORMA C500



## DORMA's C500 Series Grade 2 cylindrical locksets provide 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.

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### Recommended Applications

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

### 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 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"-1-13/16" thick. Consult the factory for product suggestions for thick door applications.



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

**Technical Details:**

ANSI/BHMA A156.2 Series 4000, Grade 2	Yes	Heavy-duty residential Medium-duty commercial
U.L. listed for UL 10B/10C and UBC 7.2 (1997)	Yes	U.L. and C.U.L. listed for use on 3-hour fire-rated doors and for all positive pressure applications
Non-handed	Yes	Simple installation
Key-in-lever lock through-bolted	Yes	Provides added strength and security
Lock constructed of steel, stainless steel, and precision castings	Yes	Provides superior strength, durability, and corrosion resistance
Auxiliary deadlocking latch bolt	Yes	Prevents 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. Locksets with 1/2" throw latch bolts are listed for A label and lesser class single doors, 4'0" x 10'0" 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 (SKC).
- Refer to separate **DORMA Price List** for full details and options such as master keying, retrofit cylinders and keyways, and small format interchangeable cores.

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

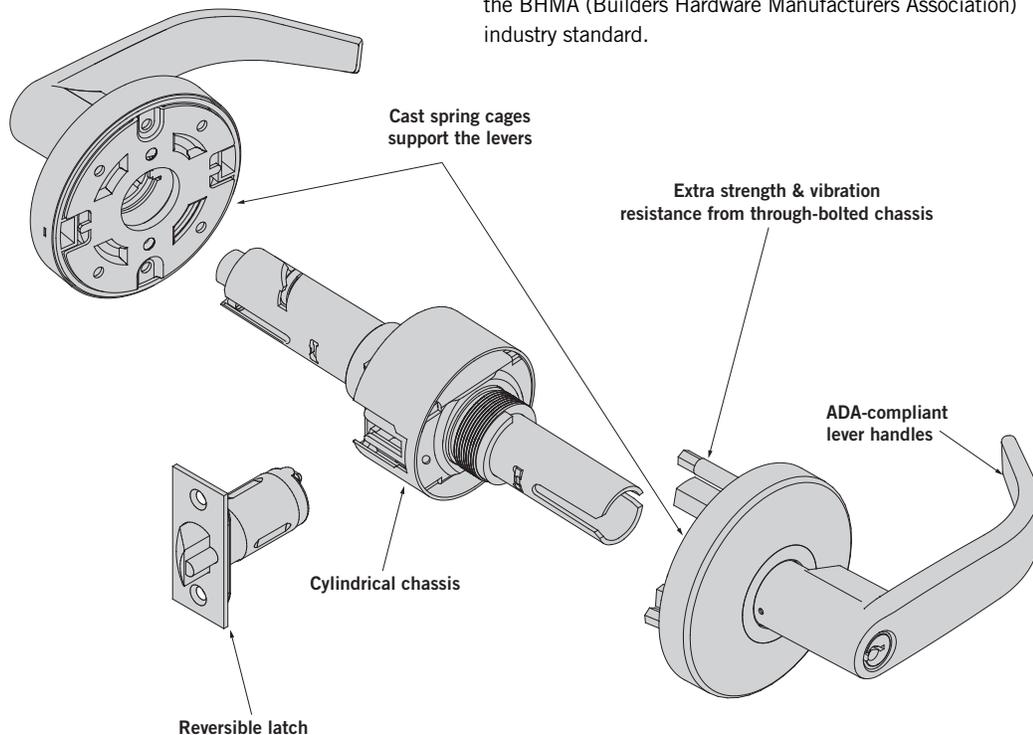
**Finishes:**

- Brass: 605 (Bright) or 606\* (Satin).
  - Bronze: 613 (Dark Oxidized Satin).
  - Nickel: 619 (Satin).
  - Chrome: 625\* (Bright) or 626 (Satin).
- NOTE\*:** Available by special order only.

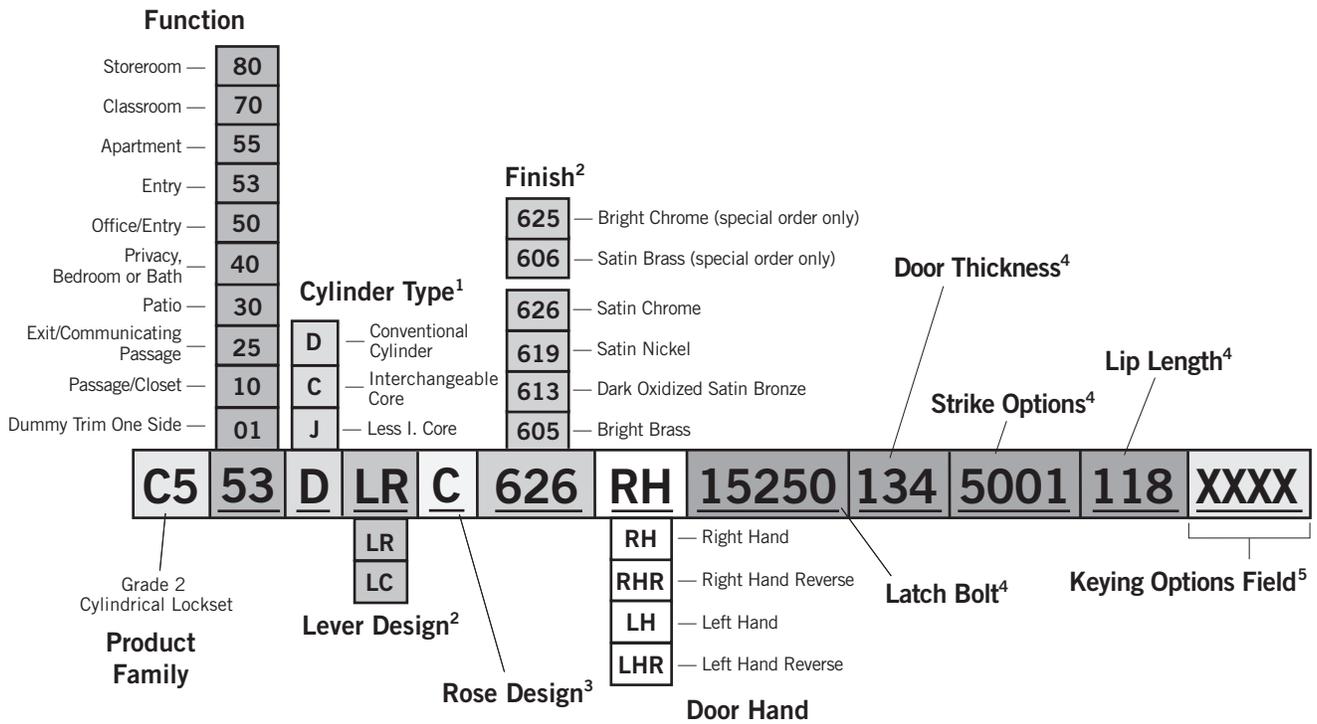
**Finish Notes:**

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. Levers are zinc-based material and are finished to match finishes indicated. 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-Series are the BHMA (Builders Hardware Manufacturers Association) industry standard.



How to Order C500 Series

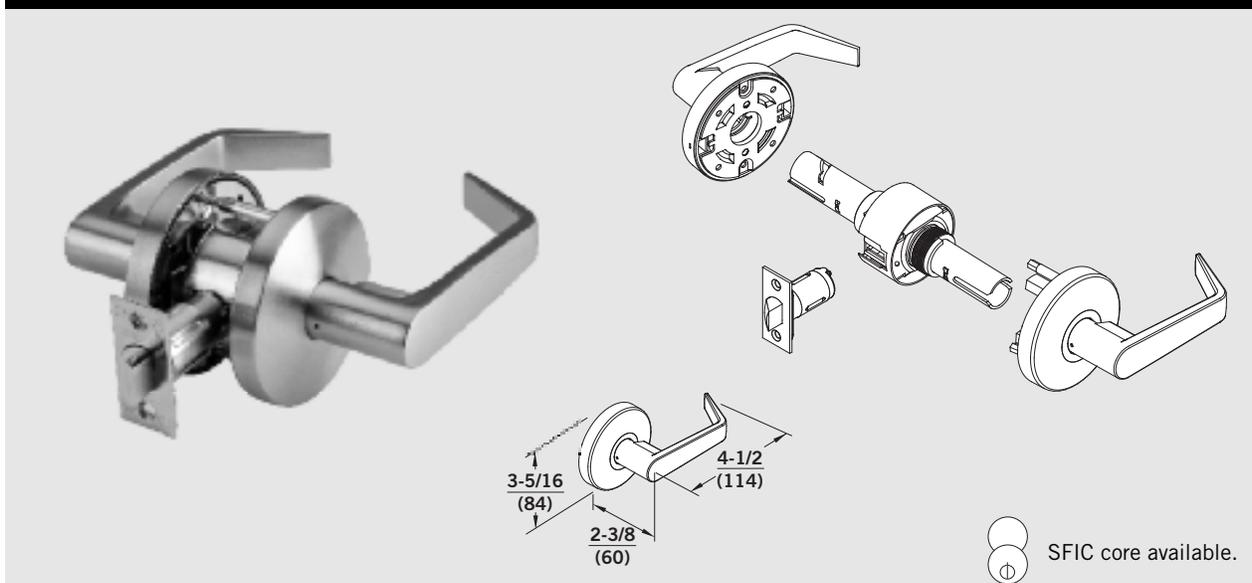


1. The C500 is not available less conventional cylinder. All keyed functions are available with or without SFIC cylinders.
2. For split finishes or split trims, consult factory. 606 and 625 finishes are available by special order only with extended lead times.
3. Rose C (standard) is 3-5/16 inches in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

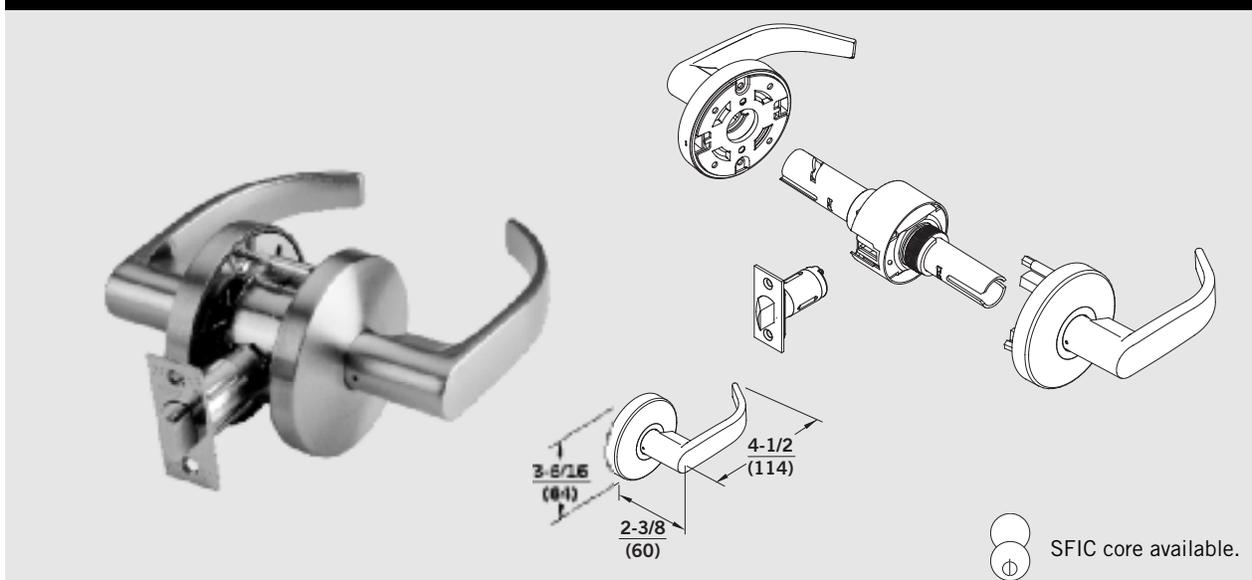
## The C500 Series ANSI/BHMA Grade 2 Cylindrical Locks are available in two lever trim designs.

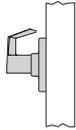
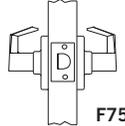
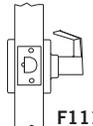
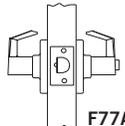
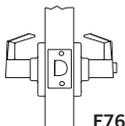
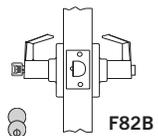
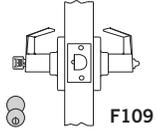
- ADA compliant levers feature solid cast handles with returns to within 1/2" (12 mm) of the door face.
- Available Finishes:  
 Brass: 605 (Bright) or 606\* (Satin)  
 Bronze: 613 (Dark Oxidized Satin)  
 Nickel: 619 (Satin)  
 Chrome: 625\* (Bright) or 626 (Satin)  
 \*Available by special order only

### LEVER DESIGN – LR



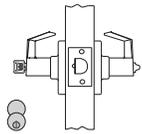
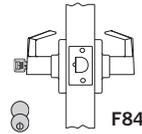
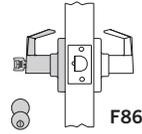
### LEVER DESIGN – LC



FUNCTION	SERIES	OUTSIDE/INSIDE	DESCRIPTION
Dummy Trim One Side	C501		<ul style="list-style-type: none"> <li>Used as pull or matching trim on pairs of doors.</li> </ul>
Passage/Closet	C510	 F75	<ul style="list-style-type: none"> <li>Latch bolt operated by trim either side at all times.</li> </ul>
Exit/ Communicating Passage	C525	 F111	<ul style="list-style-type: none"> <li>Deadlocking latch bolt operated by inside trim.</li> <li>Blank plate outside.</li> </ul>
Patio	C530	 F77A	<ul style="list-style-type: none"> <li>Deadlocking latch bolt operated by trim either side.</li> <li>Outside trim locked by push button or locking device inside.</li> <li>Outside trim unlocked by trim inside.</li> <li>Outside trim unlocked by closing door.</li> <li>Inside trim always unlocked.</li> <li>Do not use in rooms that have no other entrance.</li> </ul>
Privacy, Bedroom or Bath	C540	 F76A	<ul style="list-style-type: none"> <li>Latch bolt operated by trim either side.</li> <li>Outside trim locked by push button or locking device inside.</li> <li>Outside trim unlocked by emergency release outside.</li> <li>Outside trim unlocked by trim inside.</li> <li>Outside trim unlocked by closing door.</li> <li>Inside trim always unlocked.</li> </ul>
Office/Entry	C550	 F82B	<ul style="list-style-type: none"> <li>Deadlocking latch bolt operated by trim either side, except when outside trim locked by push button inside.</li> <li>Key outside releases push button, unlocking outside trim.</li> <li>Outside trim unlocked by trim inside.</li> <li>Operating inside trim releases push button, unlocking outside trim.</li> <li>Inside trim always operates latch bolt.</li> </ul>
Entry	C553	 F109	<ul style="list-style-type: none"> <li>Deadlocking latch bolt operated by trim either side, except when outside trim locked by push button inside.</li> <li>Key outside releases push button, unlocking outside trim, except when inside button pushed and turned to keep outside trim locked.</li> <li>Operating inside trim releases push button, unlocking outside trim, except when inside button pushed and turned to keep outside trim locked.</li> <li>Inside button must be turned to unlock outside trim.</li> <li>Inside trim always operates latch bolt.</li> </ul>

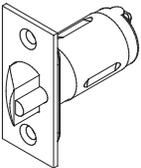
 Indicates SFIC Core available.

 Indicates rigid lever.

FUNCTION	SERIES	OUTSIDE/INSIDE	DESCRIPTION
Apartment	C555		<ul style="list-style-type: none"> <li>• Deadlocking latch bolt operated by trim either side, except when outside trim locked by push button inside.</li> <li>• Key outside, or closing the door releases push button, unlocking outside trim, except when inside button pushed and turned to keep outside trim locked.</li> <li>• Operating inside trim releases push button, unlocking outside trim, except when inside button pushed and turned to keep outside trim locked.</li> <li>• Inside button must be turned to unlock outside trim.</li> <li>• Outside trim unlocked by closing door.</li> <li>• Inside trim always operates latch bolt.</li> </ul>
Classroom	C570		<ul style="list-style-type: none"> <li>• Deadlocking latch bolt operated by trim either side, except when outside trim locked by key outside.</li> <li>• Outside trim locked or unlocked by key outside.</li> <li>• When outside trim locked, latch bolt operated by trim inside.</li> </ul>
Storeroom	C580		<ul style="list-style-type: none"> <li>• Deadlocking latch bolt retracted by key outside.</li> <li>• Deadlocking latch bolt operated by trim inside.</li> <li>• Outside trim always inoperable.</li> </ul>

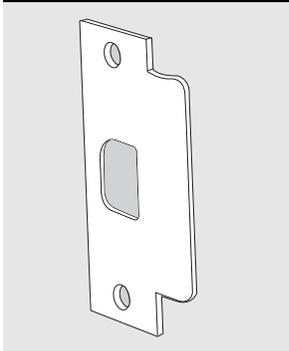
 Indicates SFIC Core available.

 Indicates rigid lever.

1/2" THROW LATCH BOLT						
DORMA FUNCTION (ANSI)		PART NUMBER				
		2-3/4" Backset 1"W x 2-1/4"H Square	2-3/4" Backset 1"W x 2-1/4"H 1/4" Radius	2-3/4" Backset 1-1/8"W x 2-1/4"H Square	2-3/8" Backset 1"W x 2-1/4"H Square	2-3/8" Backset 1"W x 2-1/4"H 1/4" Radius
C510 (F75) – Passage/Closet		<b>15230</b>	15231	15232	15130	15131
C525 (F111) – Exit/Communicating Passage		<b>15250</b>	15251	15252	15150	15151
C530 (F77A) – Patio		<b>15280</b>	15281	15282	15180	15181
C540 (F76A) – Privacy, Bedroom or Bath		<b>15230</b>	15231	15232	15130	15131
C550 (F82B) – Office/Entry		<b>15250</b>	15251	15252	15150	15151
C553 (F109) – Entry		<b>15250</b>	15251	15252	15150	15151
C555 – Apartment		<b>15280</b>	15281	15282	15180	15181
C570 (F84) – Classroom		<b>15250</b>	15251	15252	15150	15151
C580 (F86) – Storeroom		<b>15250</b>	15251	15252	15150	15151
C501 – Dummy Trim One Side		—	—	—	—	—

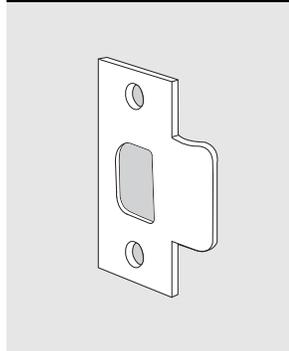
**NOTE:** Default latches shown in bold shipped with all C500 Series locksets unless specified otherwise. 2-3/4" is standard backset.

## 4-7/8" Strike



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

## T-Strike



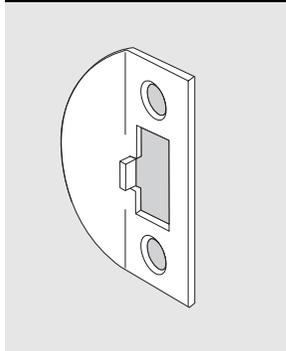
Optional for all C500 Series locks.

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

**5102** — 1-1/8" × 2-3/4" T-strike with 1/4" radiused corners 1-1/8" lip length.

Dust box included.

## Full Lip Strike



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.

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