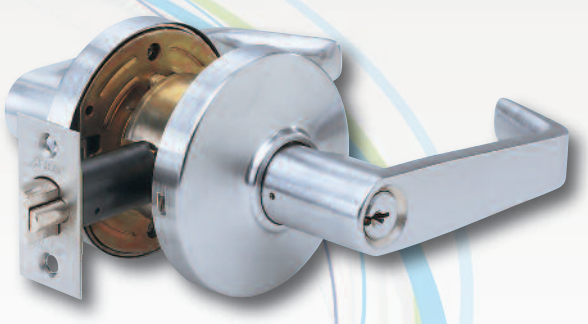
ML Series Cylindrical Lever Locks

Classic Product

Arrow Patented ML Series levers offer the designer, architect and contractor simple solutions to accessibility requirements. Their clean designs, architectural finishes and available functions make them ideal for commercial applications where heavy duty grade one hardware may not be necessary.

US Patent #5, 149, 155



Certification:

All Arrow ML Series locks are U.L. and c.U.L. listed for use on 3 hour, A label or lesser doors and are certified to conform to the requirements of ANSI/BHMA A156.2, Series 4000, Grade 2.

- Federal Specification FF-H-106C
- ANSI A117.1 Accessibility Code
- California State Reference Code for levers returning to within 1/2" (12.7mm) of door surface.

BHMA CERTIFIED
Be Safe. Be Secure. Be Certified.

ADA/Americans with Disabilities Act:

Acceptable Door Hardware: Section 4.13.9

Handles, pulls, latches and other operating devices on accessible doors shall have a shape that is easy to grasp with one hand and does not require grasping, tight pinching or twisting of the wrist to operate. Lever operated mechanisms, push-type mechanisms and "U" shaped handles are acceptable designs.

Look for the universal symbol next to Arrow products that comply with ADA accessibility requirements.

General Specifications:

Housing – Cold rolled steel, with zinc dichromated finish for rust resistance. Latch retractor is precision cast zinc. Extended one piece bearing sleeve offers added support for interlocking stainless steel tubes and provides for extra lever rigidity. Requires standard 2-1/8" (53.97mm) bore through door.

Thru-Bolts – Patented thru-bolt design allows for thru-bolting within standard 161 door preparations, which allows for easy retrofit without additional holes. Supplied with two support plates, which secure to face of door as well as accept thru-bolts from inside rose assembly.

Over drive™

OverDrive™ will allow a locked lever to rotate freely without retracting the latch, improving the life and performance of Arrow locksets.

OverDrive™ – Freewheeling lever action occurs when latch retraction mechanism disengages from lever handle when lever is locked. Built-in stops in the rose insert prevent lever from traveling beyond approximately 57 degrees. Additional 40% spring power in rose insert on OverDrive™ side of door ensures that lever handle return to the horizontal position.

Latch – Brass with 1/2" (17.7mm) throw. Latch housing is steel, zinc dichromate finish for corrosion resistance. 7/8" (22.225mm) bore in edge of door is required. Supplied with #K-179 sleeve for use with existing 1" (25.4mm) edge bore.

Latch Front – Brass, bronze or stainless steel. 2-1/4" (57.15mm) x 1-1/8" (28.57mm). Available with 1" (25.4mm) front latch for 2-3/8" (60.32mm) backset or 1" front for 2-3/4" (69.85mm) backset.

Exposed Trim – Levers are pressure cast zinc. Streamline rose scalp of brass or bronze complement other series of lever locks.

Rose Insert – Contain coil springs, which are permanent assemblies within rose inserts. The inside insert has graduating steps in two locations to prevent the rose scalp from loosening. A catch on the outside insert prevents rose scalp from working itself loose during installation.

Strikes – Brass, bronze or stainless steel. ANSI A115.2, 4-7/8" (123.82mm) x 1-1/4" (31.75mm) curved lip strike. Optional 2-3/4" (69.85mm) x 1-1/8" (28.57mm) strike is available. All strikes have 1-1/4" (31.75mm) lip to center dimension.

Backset – 2-3/4" (69.85mm) standard, 3-3/4" (95.25mm) available. Also available with 5" (127mm) backset when used in conjunction with Grade 1 latch.

Door Thickness – 1-3/8" (34.92mm) to 1-3/4" (44.45mm) standard.

Handing – Non-handed.

Finishes – US3, US4, US10, US10B, US26, US26D. Consult factory for the availability of other non-listed finishes.

Packaging – 1 per box, 10 per case.

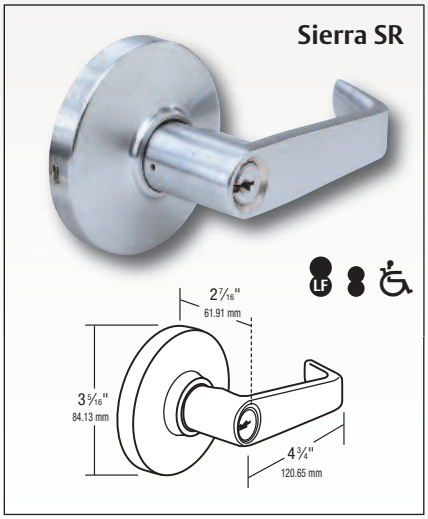
Warranty – Limited three year warranty.

ML Series Cylindrical Lever Locks

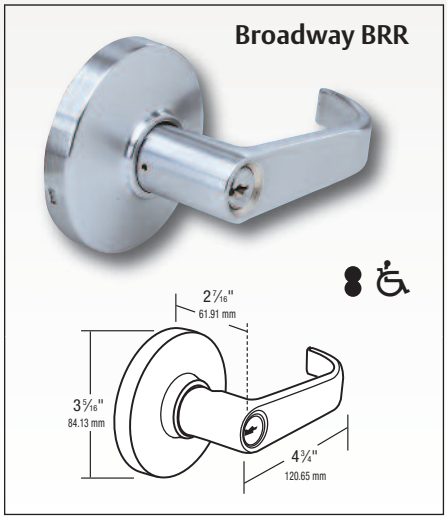
Classic Product

Designs:

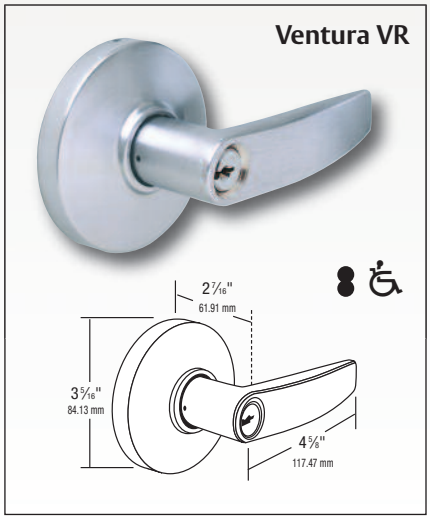
Sierra SR



Broadway BRR



Ventura VR



Finishes:



	BHMA	U.S. Equivalent	Arrow Equivalent	Finish
1	605	US3	03	Bright Brass
2	606	US4	04	Satin Brass
3	612	US10	10	Satin Bronze
4	613	US10B	10B	Dark Oxide Bronze, Oil Rubbed
5	625	US26	26	Bright Chromium Plated
6	626	US26D	26D	Satin Chromium Plated

Cylinder Options:

Conventional – ML Series locksets are supplied standard with Arrow "A" keyway, 6 pin cylinder. As with all other lock series, various levels of masterkeying are available. Conventional cylinders are available in a variety of competitive manufacturers keyways. Supplied with two nickel silver keys. Available in Schlage CS keyway and other competitive keyways.

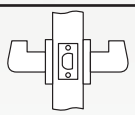
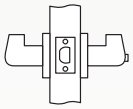
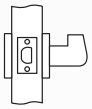
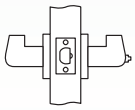
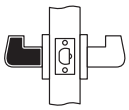
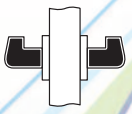
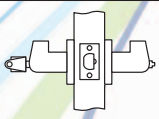
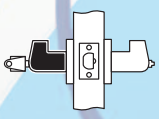
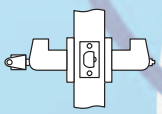
Interchangeable Core – Lockset prepared to use with 6 or 7pin interchangeable core. Supplied less core, but packed with tailpiece. Will also accept cores manufactured by Best™, Falcon™, Medeco Keymark™, ASSA™, and others. Suffix "IC" to indicate small format interchangeable core, or "LIC" (SR design only) to indicate Medeco or ASSA High Security large format interchangeable core. Temporary Arrow small format construction cores are also available.

Interchangeable Core:

Look for these symbols to indicate when product is available in either large or small format interchangeable core.

ML Series Cylindrical Lever Locks

Classic Product

ARROW STANDARD	ARROW OVERDRIVE	ANSI#	FUNCTION		DESCRIPTION
ML01		F75	Passage		Latch bolt operated by lever, from either side at all times.
ML02	ML72	F76	Privacy		Latch bolt operated by lever from either side. Outside lever is locked by push button inside and unlocked by emergency release outside, operating inside lever or closing door.
ML03		F111	Communicating Passage		Dead locking latch bolt operated by lever one side only at all times. Non removable blank trim outside.
ML06	ML76	F76	Hospital Privacy		Latch bolt operated by lever from either side. Outside lever is locked by push button inside and unlocked by using coin outside, operating inside lever or closing door.
ML07	ML77	F89	Exit		Dead locking latch bolt retracted by lever from inside at all times. Outside lever is always inoperable.
ML08			Single Dummy Trim		Rigid trim for one side of door only. Used as pull or to match active trim.
ML09			Full Dummy Trim		Rigid trim for both sides of door. Used as pulls or to match active trim.
ML11	ML81	F109 (F81 & F82)	Entrance/Office		Dead locking latch bolt operated by lever from either side except when outside lever is locked by pushing turn button inside. Key outside or operating inside lever releases turn button unlocking outside lever except when turn button had been rotated to keep outside lever locked. Inside turn button must be manually operated to unlock outside lever. Inside lever always operates latch bolt.
ML12	ML82	F86	Storeroom		Dead locking latch bolt operated by key in outside lever, or by operating inside lever. Outside lever is always inoperable.
ML13	ML83	F82	Exterior		Dead locking latch bolt operated by lever from either side except when outside lever is locked by push button inside. When outside lever is locked, operating key in outside lever or operating inside lever unlocks push button and retracts latch bolt. Closing door does not release push button.
					Indicates lever rigid at all times.

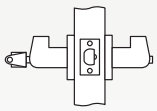
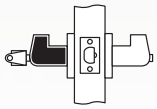
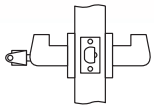
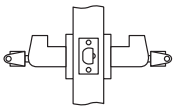
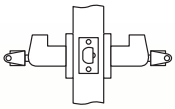
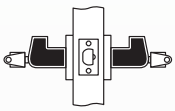
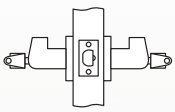
ASSA ABLOY, the global leader in door opening solutions

ARROW LOCK & DOOR HARDWARE

ASSA ABLOY

ML Series Cylindrical Lever Locks

Classic Product

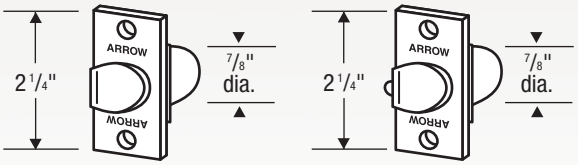
ARROW STANDARD	ARROW OVERDRIVE	ANSI#	FUNCTION		DESCRIPTION
ML14	ML84	F92	Service Station		Dead locking latch bolt operated by lever from either side except when outside lever is locked by push button inside. Key outside, operating inside lever or closing door releases push button unlocking outside lever except when slotted push button is in a locked position. Inside lever always operates latch bolt.
ML15	ML85	F93	Hotel		Dead locking latch bolt operated by lever from inside at all times. Outside lever always inoperable. Latch bolt operated by key from outside except when push button inside is operated thus shutting out all keys except emergency key. Operating push button operates outside visual indicator showing room is occupied. Operating inside lever or closing door releases indicator and shut out feature except when shut out is activated by turning inside button with spanner key which shuts out all keys except emergency key.
ML17	ML87	F84	Classroom		Dead locking latch bolt operated by lever from either side except when outside lever is locked from outside by key. When outside lever is locked, latch bolt is operated by inside lever.
ML31	ML91	F80	Communicating		Dead locking latch bolt operated by lever from either side. Turning key in either lever locks or unlocks its own lever independently. Do not use on doors in rooms that have no other entrance.
ML32	ML92	F88	Public Entrance		Dead locking latch bolt operated by lever from either side except when outside lever is locked by key from inside. When outside lever is locked, latch bolt is retracted by key in outside lever or by operating inside lever.
ML33	ML93	F87	Asylum		Dead locking latch bolt operated by key in lever, from either side. Both levers always inoperable.
ML35	ML95	F91	Exterior		Dead locking latch bolt operated by lever from either side except when both levers are locked by key from either side.

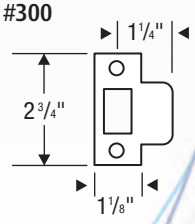
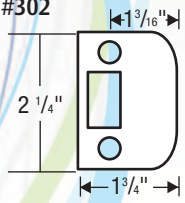
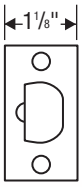
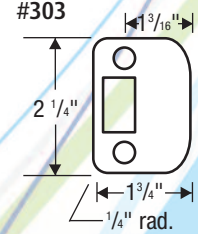
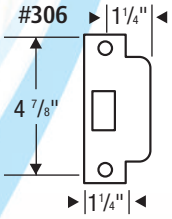
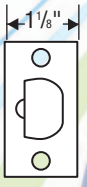
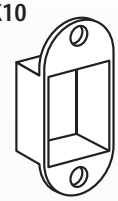
ML Series Cylindrical Lever Locks

Classic Product

Latches & Strikes:

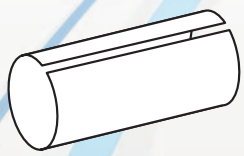
Latches



Latch Standards	UL Spring Latches	UL Dead Latches	Strikes
2-3/8" Backset	 #271	 #281	#300  #302  T ANSI 115.3
2-3/4" Backset	 #274	 #284	#303  #306  ASA ANSI 115.2
3-3/4" Backset	 #278	 #288	Boxes #BX70  For 306 #BX10  For 300

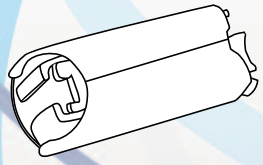
Accessories:

Extension Link Sleeve



1050-179

Extension Link



H25: For 5" backset used in conjunction with 160 or 161 latch.
(consult price book for ordering information)

ARROW LOCK & DOOR HARDWARE
ASSA ABLOY

ML Series Cylindrical Lever Locks

Classic Product

Suggested Specification:

All locksets shall be ML Series Cylindrical locksets as supplied by Arrow Lock company.

Locksets shall meet ANSI/BHMA requirements for Series 4000, Grade 2, and shall be U.L. and c.U.L. listed for 3 hour, A label openings. Lockset conforms to ANSI A117.1 for barrier-free accessibility, and the California State Reference Code (formerly Title 19, California State Fire Marshall Standard).

Lockset shall be non-handed. Lockset shall have anti-rotation support plates which secure to face of door and accept internal thru-bolts. Lockset shall have no exposed screws. Chassis mounting screws may be accessed only when lever and rose are removed.

Inside and outside rose inserts shall have independent heavy strength coil springs allowing lever handle to move bi-directionally.

Lockset shall be equipped with OverDrive™, freewheeling feature whereby the latch retraction mechanism disengages from the lever handle allowing lever to move freely when locked, without retracting the latch. A built-in stop in the rose insert shall prevent lever from traveling beyond approximately 57 degrees.

Lever trim shall consist of cast levers with wrought brass or bronze rose scalps. Levers shall be a minimum of 4-5/8" in length and where applicable shall return to within 1/2" of the door surface.

Disassembly of lockset for cylinder removal shall not be required. Cylinder shall be changed by removing the lever.

All products shall be of one manufacturer and shall comply with Federal Acquisition Regulations (FAR) for products made in the U.S.A.

All locksets shall carry a three year limited warranty.

Order Example:

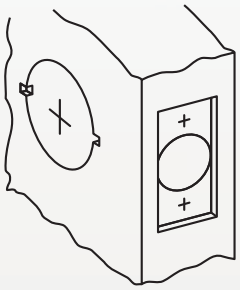
Example: To order a ML Series classroom function lockset with a BB design, satin chrome finish, with an ASA strike and 2-3/4" backset, keyed different:

Specify:

Standard:	**ML**	**17**	**BRR**	**26D**	**306**	**284**	**KD**	**XXX**
Overdrive™:	**ML**	**87**	**BRR**	**26D**	**306**	**284**	**KD**	**XXX**
	Series	Function	Design	Finish	Strike	Latch	Keying	Options (if required)

Installation:

161 prep for retrofit and secure installation.



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ARROW LOCK & DOOR HARDWARE

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