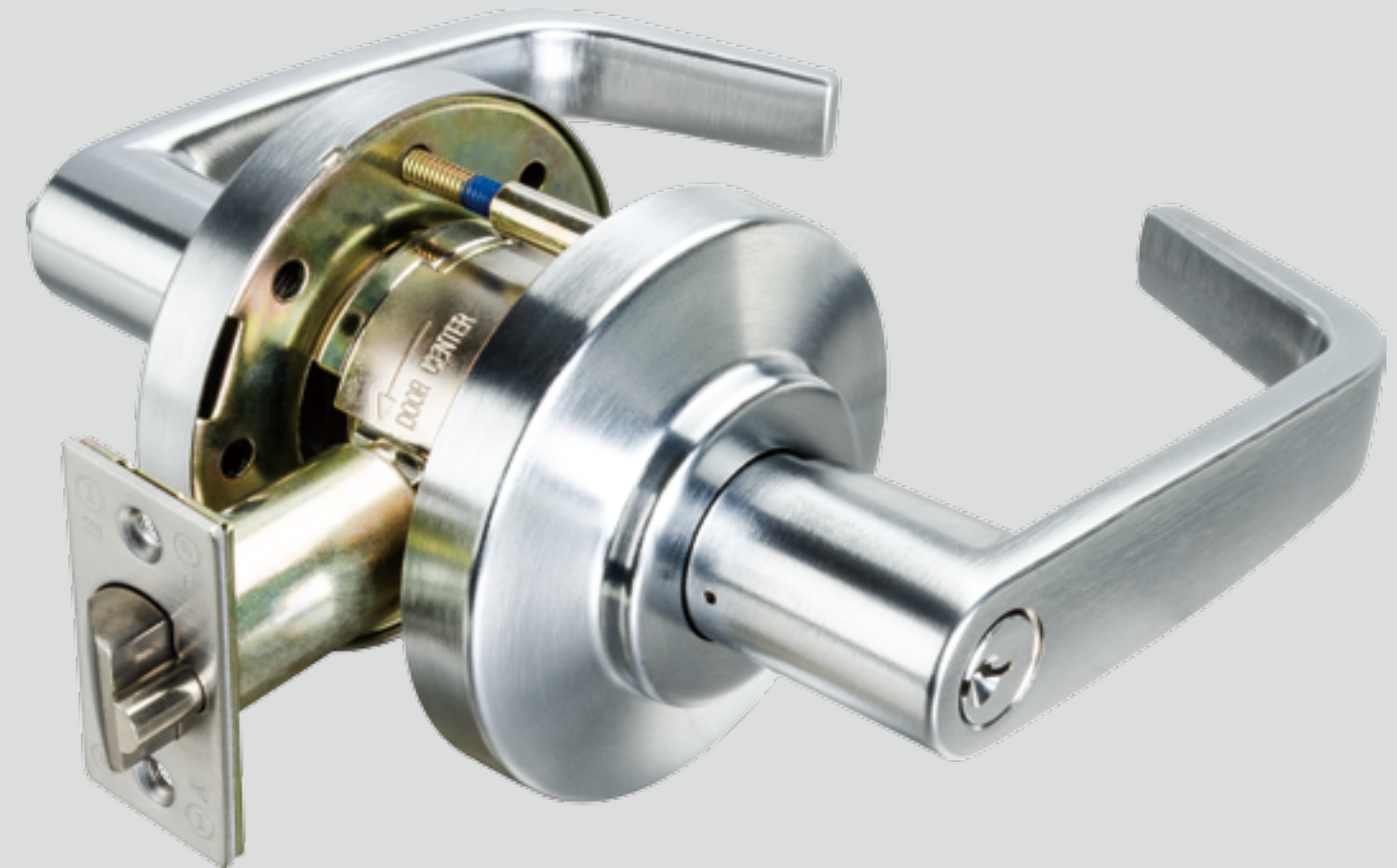


LF Series

# Cylindrical Lock



[www.iteklock.com.tw](http://www.iteklock.com.tw)

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**I-TEK<sup>®</sup>**

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ANSI Grade 1  
**Extra Heavy Duty** **LF** Series

# Cylindrical Lock

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# About I-TEK

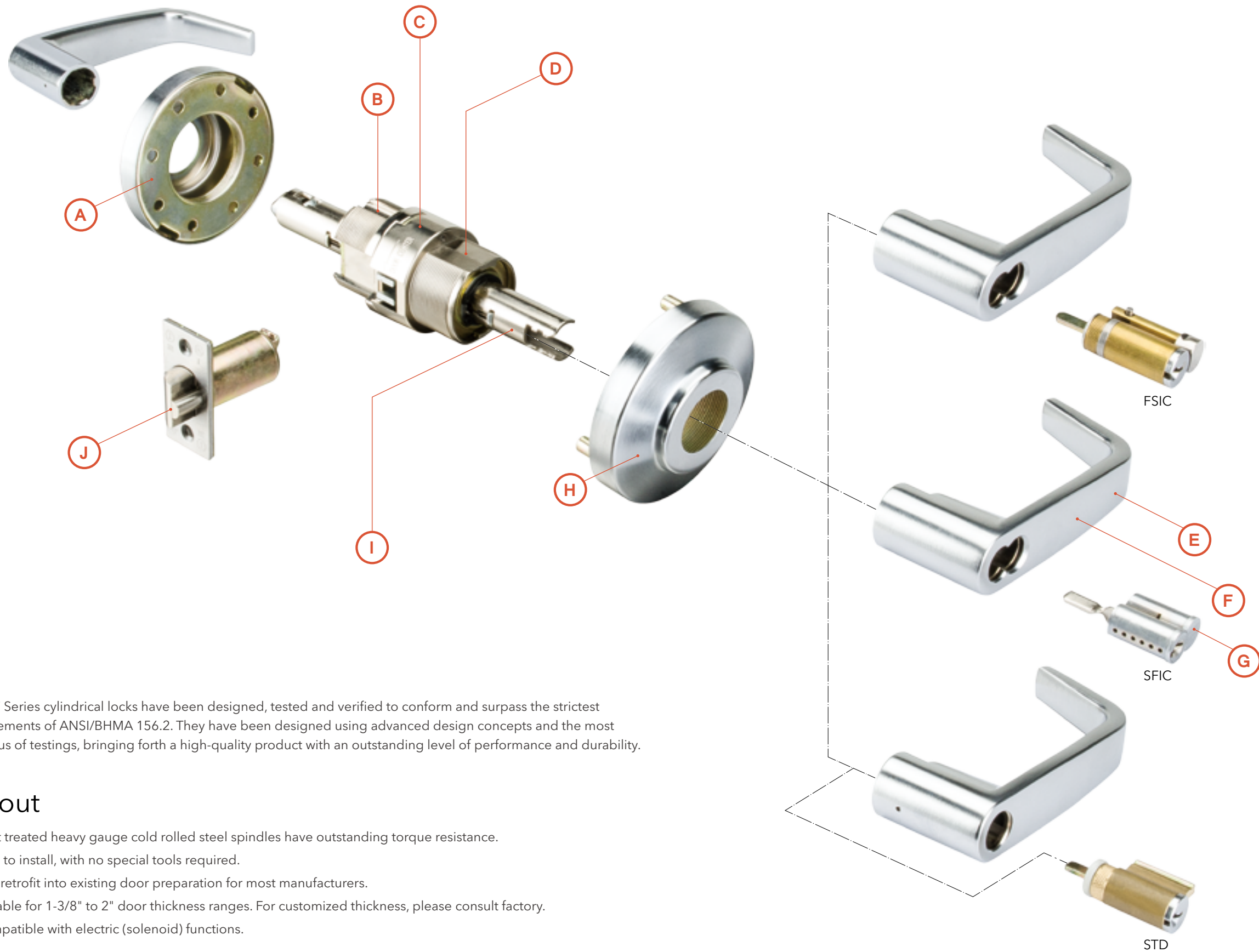
Since its establishment in 1958, I-TEK has continually adopted a proactive approach toward manufacturing extensive varieties of locksets and architectural hardware, insisting on providing the best quality products and services that our customers deserve. With more than 50 years of manufacturing experience, our excellent product design capability and our professionalism in the lock industry, I-TEK is well known for being "keen on quality, with customer satisfaction being our priority", gaining us our customers' trust and confidence for many years. At present, I-TEK is one of the few professional lock suppliers that can produce Grade 1 and Grade 2 door locks in Asia.

## Quality assurance

The LF Series Cylindrical Locks are produced by I-TEK Metal Mfg Co. in Taiwan under ISO 9001 quality management, which is system certified by Underwriter Laboratories. I-TEK's test facility complies with ISO17025 and it is certified by Intertek under a continuous re-inspection program.



# Features



- A** Heavier rose liners material provides more attack resistance.
- B** The chassis is designed to resist forcible entry attempts; it exceeds Grade 1 abusive load without showing signs of breakage.
- C** The outside and inside hubs provide increased wear resistance against spindle.
- D** The spring cartridge inside the hub adds stability to the lever, effectively prevents the lever from sagging over high traffic usage.
- E** Standard clutch feature provides protection against abusive conditions.
- F** Special handle options such as Knurled Lever or Anti-microbial Coating available.
- G** Switching between FSIC/SFIC/STD lever trims allows a versatile application range.
- H** Threaded outside rose assembly adjustable for door thickness without removing keyed lever.
- I** Spindle design provides outstanding performance and durability which is reflected in the product's long life cycle.
- J** Latchbolt designed with a smooth curved surface, thus reducing friction.

The LF Series cylindrical locks have been designed, tested and verified to conform and surpass the strictest requirements of ANSI/BHMA 156.2. They have been designed using advanced design concepts and the most rigorous of testings, bringing forth a high-quality product with an outstanding level of performance and durability.

## About

- Heat treated heavy gauge cold rolled steel spindles have outstanding torque resistance.
- Easy to install, with no special tools required.
- Can retrofit into existing door preparation for most manufacturers.
- Suitable for 1-3/8" to 2" door thickness ranges. For customized thickness, please consult factory.
- Compatible with electric (solenoid) functions.

# Specifications




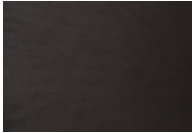






## Doors & Preparations

- ANSI A115.2, through bolted installation.

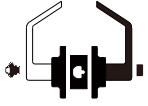
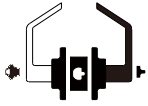
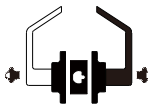
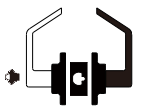
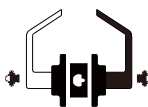
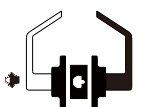
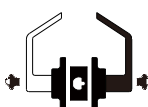
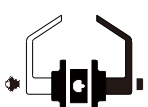
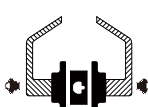
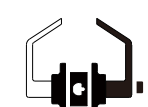
<b>Certification</b>	• UL listed for "A" label (3 hour) single swinging door (4'x8').
<b>Backset</b>	• 2-3/4" standard, 2-3/8", 3-3/4" and 5" optional.
<b>Door Thickness</b>	• Standard 1-3/8" to 2" wood or metal door. 2-1/4", 2-1/2" and 3" are customizable.
<b>Latchbolt</b>	• 1/2" throw, UL listed, faceplate self-adjusted, 3/4" throw fire door deadlatch available.
<b>Handing</b>	• Non-handed.
<b>Strike</b>	• ANSI strike standard, T-strike or Full lip strike optional.
<b>Cylinder</b>	• 6-pin "C" keyway standard, nickel silver keys, compatible with Schlage®.
<b>I/C Core</b>	• 6 or 7-pin, compatible with Best® and Falcon®.
<b>Trim</b>	• Solid zinc diecast levers, wrought brass roses, concealed screws.
<b>Master Keying</b>	• Can be masterkeyed or grand masterkeyed. Construction key systems available.

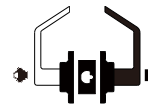
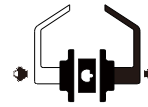
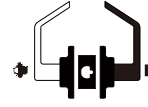

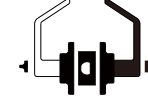

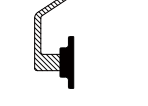
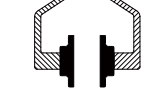
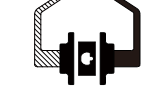


## Finishes

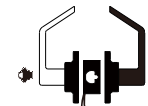
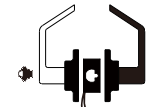
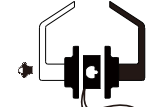


A wide selection of finishes are available to match with your door and other hardware.

Color	ANSI/BHMA	Color	ANSI/BHMA
	Polished Brass 605		Dark Oxidized Satin Bronze 613
	Satin Brass 606		Polished Chrome 625
	Polished Bronze 611		Satin Chrome 626
	Satin Bronze 612		Satin Stainless Steel 630

# Functions

Function Code Number	Description	ANSI/BHMA
<b>Mechanical functions</b>		
00(C)	 <p><b>Entry Lock</b></p> <ul style="list-style-type: none"> <li>• Outside lever unlocked with key when push-button pushed.</li> <li>• Push-button locks outside lever.</li> <li>• Turning inside lever releases button.</li> <li>• Inside lever always free for immediate egress.</li> </ul>	F82A
01(C)	 <p><b>Entry/Office Lock</b></p> <ul style="list-style-type: none"> <li>• Key retracts latch when button pushed and turned.</li> <li>• Lever unlocked with key when push-button pushed.</li> <li>• Turn/push-button: pushing and turning button locks outside lever until manually unlocked.</li> <li>• Inside always free for immediate egress.</li> </ul>	F109
02(C)	 <p><b>Store Door Lock</b></p> <ul style="list-style-type: none"> <li>• Key locks or unlocks both levers simultaneously.</li> </ul>	F91
03(C)	 <p><b>Classroom Lock</b></p> <ul style="list-style-type: none"> <li>• Outside lever locked or unlocked by key.</li> <li>• Inside lever always unlocked and always free for immediate egress.</li> </ul>	F84
04(C)	 <p><b>Communicating Lock</b></p> <ul style="list-style-type: none"> <li>• Deadlocking Latchbolt operated by lever from either side.</li> <li>• Turning key in either lever locks or unlocks its own lever independently.</li> </ul>	F80
05(C)	 <p><b>Storeroom Lock</b></p> <ul style="list-style-type: none"> <li>• Outside lever always disengaged.</li> <li>• Entrance by key only.</li> <li>• Clutch allows outside spindle to disengage from latch when locked.</li> <li>• Inside lever always unlocked and always free for immediate egress.</li> </ul>	F86
06(C)	 <p><b>Apartment Lock</b></p> <ul style="list-style-type: none"> <li>• Deadlocking Latchbolt operated by lever from either side except when outside lever is locked by key from inside.</li> <li>• When locked, Latchbolt retracted by key or by operating inside lever.</li> </ul>	F88
08(C)	 <p><b>Dormitory Lock or Assistant Living Lock</b></p> <ul style="list-style-type: none"> <li>• Deadlocking Latchbolt operated by lever from either side except when locked by key from outside or by push button from inside.</li> <li>• Turning lever or closing door releases button.</li> </ul>	F90
09	 <p><b>Institutional Lock</b></p> <ul style="list-style-type: none"> <li>• Outside lever and inside lever are always inoperable.</li> <li>• Entrance by key only.</li> </ul>	F87
10(C)	 <p><b>Patio Lock</b></p> <ul style="list-style-type: none"> <li>• Deadlocking Latchbolt operated by lever from either side.</li> <li>• Outside lever locked by push button inside and unlocked by rotating inside lever or closing door.</li> </ul>	F77A

Function Code Number	Description	ANSI/BHMA
<b>Mechanical functions</b>		
H1(C)	 <p><b>Hotel/Motel Guest Room</b></p> <ul style="list-style-type: none"> <li>• Deadlocking Latchbolt operated by lever from inside at all times.</li> <li>• Outside lever always inoperable.</li> <li>• Latchbolt operated by key from outside except when push button inside is operated thus shutting out all keys except emergency key.</li> <li>• Inside push button provides lockout feature by keeping indicator thrown.</li> </ul>	F93
13(C)	 <p><b>Intruder Classroom /Security Lock</b></p> <ul style="list-style-type: none"> <li>• Deadlocking Latchbolt operated by lever from either side.</li> <li>• Outside lever is locked by key in lever from either side.</li> <li>• Inside lever always unlocked.</li> <li>• Inside key locks or unlocks outside lever.</li> </ul>	F110
15(C)	 <p><b>Service Station</b></p> <ul style="list-style-type: none"> <li>• Deadlocking Latchbolt operated by lever from either side except when outside lever is locked by push button from inside.</li> <li>• Key outside, operating inside lever or closing door releases push button, unlocking outside lever except when slotted push button fixed in locked position.</li> <li>• Inside lever always unlocked and always free for immediate egress.</li> </ul>	F92
20(C)	 <p><b>Privacy Lock</b></p> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever from either side.</li> <li>• Outside lever locked by push button inside and unlocked by emergency release (cointurn) outside, operating inside lever or closing door.</li> </ul>	F76A
21(C)	 <p><b>Hospital Privacy Lock</b></p> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever from either side.</li> <li>• Outside lever locked by push button inside and unlocked by emergency release (turn button) outside, operating inside lever or closing door.</li> </ul>	F76A
30	 <p><b>Passage Lock</b></p> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever from either side at all times.</li> </ul>	F75
40	 <p><b>Single Dummy Trim</b></p> <ul style="list-style-type: none"> <li>• Inactive trim for one side of door.</li> <li>• Use for door pull as matching inactive trim.</li> </ul>	
42	 <p><b>Double Dummy Trim</b></p> <ul style="list-style-type: none"> <li>• Inactive trim for both sides of door.</li> <li>• Use for door pull as matching inactive trim.</li> </ul>	
50	 <p><b>Exit Latch</b></p> <ul style="list-style-type: none"> <li>• Outside lever fixed.</li> <li>• Inside lever always unlocked and always free for immediate egress.</li> </ul>	F89
60	 <p><b>Communicating Passage Lock</b></p> <ul style="list-style-type: none"> <li>• Deadlocking Latchbolt operated by lever one side only at all times.</li> <li>• Non removable blank plate.</li> </ul>	F111
63(C)	 <p><b>Communicating Classroom Lock</b></p> <ul style="list-style-type: none"> <li>• Deadlocking Latchbolt operated by lever from one side only except when lever is locked by key.</li> <li>• Operating the key in the lever permits the Latchbolt to be retracted.</li> <li>• Non removable blank plate.</li> </ul>	F113

Function Code Number	Description	ANSI/BHMA
<b>Electrical functions</b>		
05(C) RX	 <p><b>Storeroom Lock</b></p> <ul style="list-style-type: none"> <li>• Outside lever same as 05(C).</li> <li>• Inside lever same as 05(C).</li> <li>• A microswitch attached to the chassis is activated when the lever is rotated.</li> <li>• The switch signals use of the lever to security systems allowing non-disruptive egress.</li> </ul>	
05(C) EU	 <p><b>Storeroom Lock - Electrically Unlocked (Fail Secure)</b></p> <ul style="list-style-type: none"> <li>• Outside lever is continuously locked mechanically until unlocked by electric current.</li> <li>• When locked, key retracts latch.</li> <li>• Inside lever always unlocked and always free for immediate egress.</li> </ul>	
05(C) EL	 <p><b>Storeroom Lock - Electrically Locked(Fail Safe)</b></p> <ul style="list-style-type: none"> <li>• Outside lever continuously locked electrically.</li> <li>• Unlocked by switch or power failure.</li> <li>• When locked, key retracts latch.</li> <li>• Inside lever always unlocked and free for immediate egress.</li> </ul>	
05(C) EU-RX	 <p><b>Storeroom Lock - Electrically Unlocked(Fail Secure) with Request to Exit</b></p> <ul style="list-style-type: none"> <li>• Outside lever same as 05(C) EU.</li> <li>• Inside lever same as 05(C).</li> <li>• A microswitch attached to the chassis is activated when the lever is rotated.</li> <li>• The switch signals use of the lever to security systems allowing non-disruptive egress.</li> </ul>	
05(C) EL-RX	 <p><b>Storeroom Lock - Electrically Locked(Fail Safe) with Request to Exit</b></p> <ul style="list-style-type: none"> <li>• Outside lever same as 05(C) EL.</li> <li>• Inside lever same as 05(C) EL.</li> <li>• A microswitch attached to the chassis is activated when the lever is rotated.</li> <li>• The switch signals use of the lever to security systems allowing non-disruptive egress.</li> </ul>	

# Miscellaneous

## Trims

Made of high-quality zinc alloy and available in wide range of finishes.



D Type

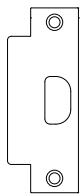


Q Type



A Type

## Strikes

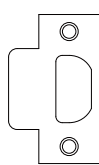


D27

ANSI Strike

4-7/8" x 1-1/4"

Lip Length 1-3/16"

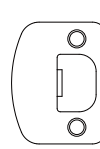


B27

T-Strike

2-3/4" x 1-1/8"

Lip Length 1-1/8"



CR27

Full Lip 1/4" Radius Corner Strike

2-1/4" x 1-3/4"

Lip Length 1-3/16"

## Cylinders

Cylinders are precision built to extremely close tolerances and highest standards of accuracy. Made of solid brass, these high-precision 6 or 7 pin cylinders offer high security and reliability. Key are made of white nickel silver. Interchangeable with other manufacturers' cylinders.



Standard Cylinder



SFIC I/C Core



FSIC I/C Core

## Latches



Fire Door Deadlatch

3/4" Projection, 2-3/4" Backset.

2-1/4" X 1-1/8"



Deadlatch

1/2" Projection, 2-3/4" Backset.

2-1/4" X 1-1/8"



Springlatch

1/2" Projection, 2-3/4" Backset.

2-1/4" X 1-1/8"



# Electrical Options



LF Series cylindrical locks are also available for electrified options for access control systems in high-security applications.

## Options

### RX - Request to Exit

The RX feature is used to signal the use of an opening. Equipped with one internal SPDT switch which monitors the turning of the lever. The device can be connected to a security console or may be used as a single door alarm when used with a horn and power supply.

### EL - Electrically Locked (Fail Safe)

Fail Safe locks require power to lock. In the event of a power outage the door will automatically unlock, thus ensuring a safe egress during emergency situations.

### EU - Electrically Unlocked (Fail Secure)

Fail Secure locks require power to unlock. In the event of a power outage the door will automatically lock, thus preventing access and protecting all assets within it.

The use of this feature is not permitted on fire doors.

## Electrical requirements

### Electrified functions - EU and EL

- 24 Volts AC/DC +/- 10%  
Operating current 0.145 Amp.
- 12 Volts AC/DC +/- 10%  
Operating current 0.293 Amp.

- \* All solenoids are continuous duty type.
- \* White heat shrinkable tubings on solenoid leads designates 12 volt.

### RX Functions

- Voltage 250 VAC.  
Current rating 1 Amp.  
Wire leads 22 Awg.

The 3-wire utilizes a UL recognized SPDT switch providing a choice of:

- \* For normally closed operation use the white (COM.) and gray wires.
- \* For normally open operation use the white (COM.) and purple wires.

# How to Order

Device	Ordering Example									
	LF	1	A	1	-	01(C)	626	3	B27	MK
	LF	2	Q	2	AC	05(C) EU	625	1	C27	KA

<b>Model</b>	LF
<b>Rose</b>	1 One step 2 Two step
<b>Trim</b>	A A type lever D D type lever Q Q type lever
<b>Core</b>	1 Standard 2 SFIC 3 FSIC
<b>Additional Options</b>	AC Antimicrobial Coating KL Knurled Lever
<b>Function Code</b> (see page 6)	
<b>Finish</b>	605 (US3) 611 (US9) 613 (US10B) 626 (US26D) 606 (US4) 612 (US10) 625 (US26) 630 (US32D)
<b>Backset</b>	1 2-3/8" 3 3-3/4" 2 2-3/4" 4 5"
<b>Strikes</b>	B27 T-Strike CR27 Full Lip 1/4" Radius Corner Strike D27 ANSI Strike
<b>Keying</b>	KD Keyed-different KA Keyed-alike MK Master keyed

## Warranty

I-TEK warrants to the original purchaser that all products manufactured and provided by it shall be free of defects in material and workmanship regarding Mechanical Locks (5 years), Electrified Products (1 year) and finishes (1 year). The present warranty does not cover scratches, abrasions, deterioration due to the use of paints, solvents and other chemicals, normal wear and tear, abuse or any damage caused by improper installation or misuse of the product. Furthermore, the cost incurred in removing and installing a replacement product is not included in the warranty. Upon return of a defective product, I-TEK may repair or replace the product.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and I-TEK Metal Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority having jurisdiction) to ensure compliance with all applicable codes and ratings.

### Note:

- Warranty is not applied for devices installed in educational facilities and student dormitories.
- The warranty becomes effective from the date of shipment.