

WLS-1520 Stainless Steel Electromechanical Detention Lock

Recommended Specifications

Application:

The WLS-1520 series lock is used in high security applications including medium and maximum inmate confinement, Governmental and Industrial buildings. The WLS-1520 series can be used with a standard or mogul type cylinders. The WLS-1520 is normally jamb mounted in steel door frame with a recommended minimum 14 gauge construction.

Standard lock shall include:

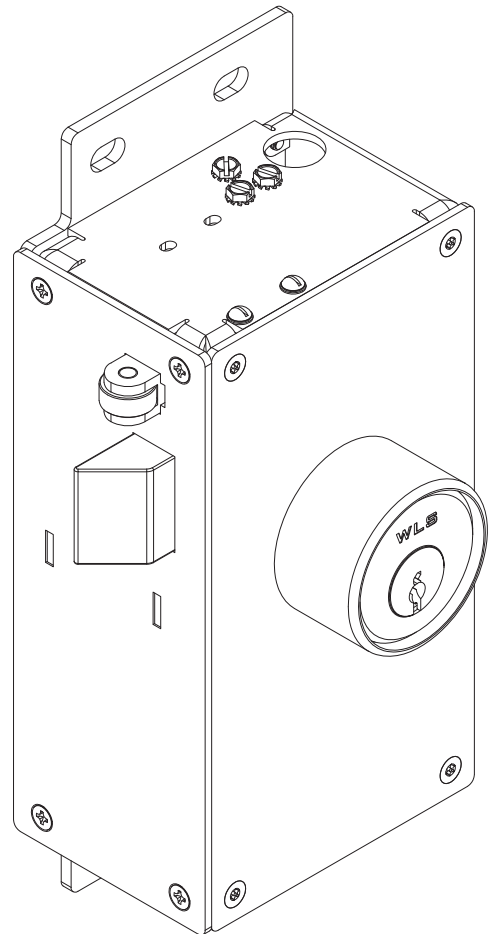
- High security and impact resistant
- Latch has a full 1" bolt throw with a 3/4" x 1-1/2" cross section
- High torque 24VDC motor or manual key unlock/relock
- 24VDC operation, .25-.5 amp @ 24VDC, 2 amp max draw
- 120VAC solenoid operation, .66-12 amp @ 120VAC
- 120VAC motor operation, 2.2 amp @ 120VAC, 2.4 amp max draw
- Door jamb mounted
- Can withstand abnormally high side loads in excess of 850lbs
- Lock case and cover are constructed from 11 gauge stainless steel
- All internal parts including strike plate are machined stainless, cast stainless steel and other non-ferrous alloys
- Internal monitoring of deadlock status achieved through a direct contact with a lock status switch. The lock status switch must be used in conjunction with a door position switch. Use of an approved door position switch ensures that the door is closed & locked when a secure signal is sent to the control source
- Lock Status Switch and Motor Control Switches
- Lock Capable of Half-Cycling or Full-Cycling Via Control Systems
- Internal structural reinforcement bracket

Optional Features:

- LEK - Local Electronic Keyswitch
- KCE - Key Cylinder Extension
- TPR - Tamper Switch
- EHB - Electronic Hold Back w/ Remote Relock
- MHB - Mechanical Hold Back

Certifications:

- ASTM F1450 Security Grade 1 Impact Certified
- ASTM F1577 Grade 1 Impact Certified
- UL10C fire rated



To specify fixture and accessories, use the Model Number and Options page.

Example: To specify a stainless steel electromechanical automatic cell door lock, keyed one side, 24VDC and left hand reverse.

Use the following Willoughby Model Number:
WLS-1520-K1-24V-LHR



WARNING: Cancer and Reproductive Harm

- www.P65Warnings.ca.gov



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MODEL NUMBER AND OPTIONS:

1.) Model Number:

- ☐ WLS-1520 Stainless Steel Electromechanical Automatic Cell Door Lock

2) Keyed:

- ☐ K1 Keyed One Side
☐ K2 Keyed Both Sides
☐ Other _____

3.) Voltage:

- ☐ 24V - 24v DC Motor Lock
☐ 120S - 120v AC Solenoid Lock
☐ 120M - 120v AC Motor Lock

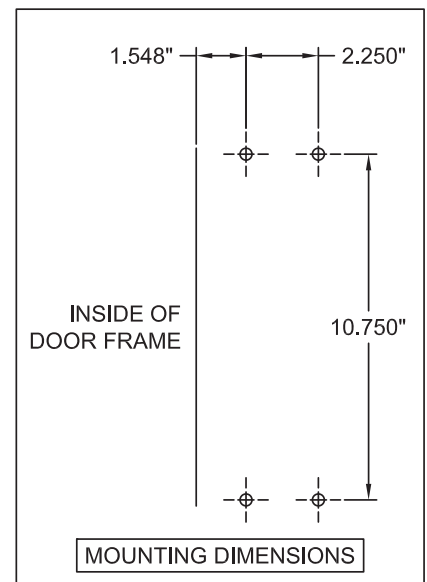
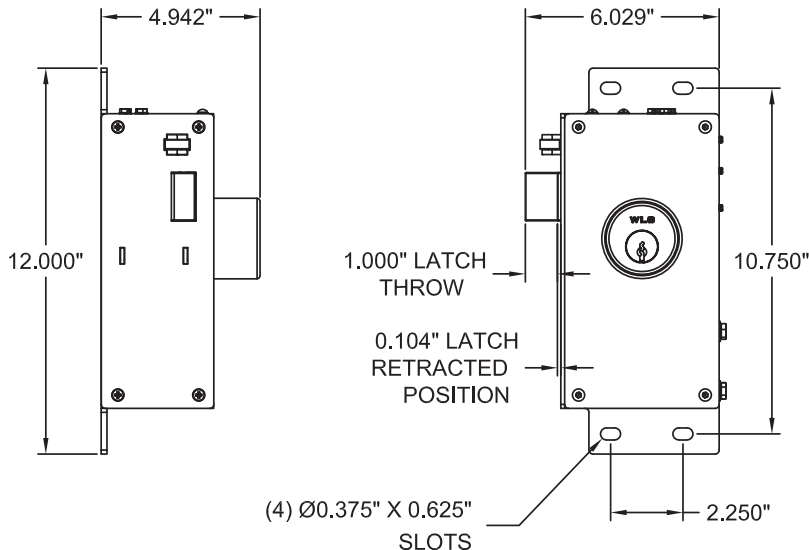
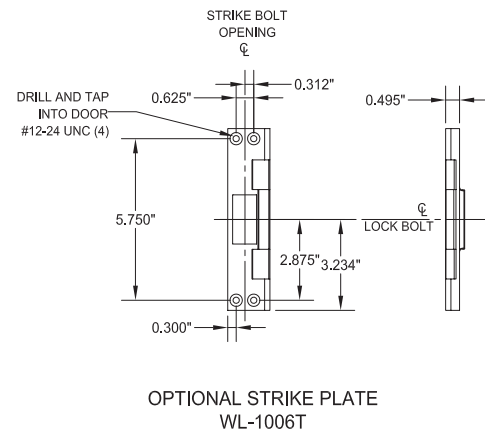
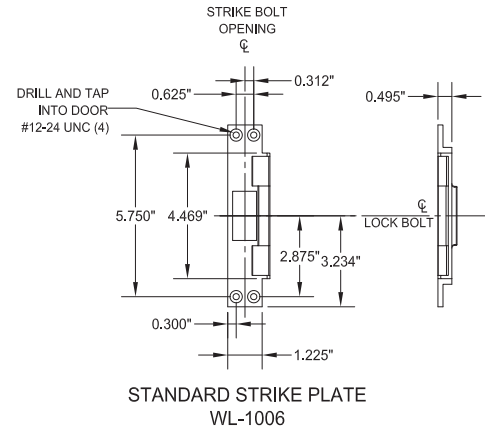
4.) Lock Handing:

- ☐ LH Left Hand Lock (In-swing Door)
☐ RH Right Hand Lock (In-swing Door)
☐ LHR Left Hand Reverse Lock
☐ RHR Right Hand Reverse Lock

5.) Options:

- ☐ LEK Local Electronic Keyswitch
☐ KCE Key Cylinder Extension (Specify)
☐ TPR Tamper Switch
☐ EHB Electronic Hold Back w/ Remote Relock
☐ MHB Mechanical Hold Back
☐ Other _____

STRIKE PLATE MOUNTING DIMENSIONS



DRAWINGS ARE FOR REFERENCE ONLY, CONTACT FACTORY TO VERIFY DIMENSIONS

WILLOUGHBY RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN AND DIMENSIONS WITHOUT FORMAL NOTICE AND WITHOUT INCURRING OBLIGATION.

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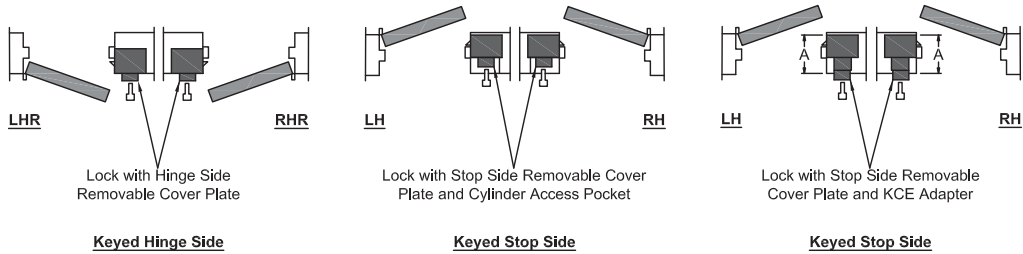


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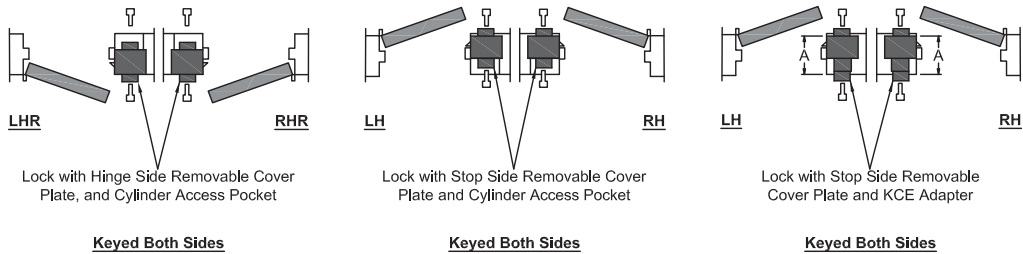
ADDITIONAL INFORMATION:

LOCK ORIENTATION

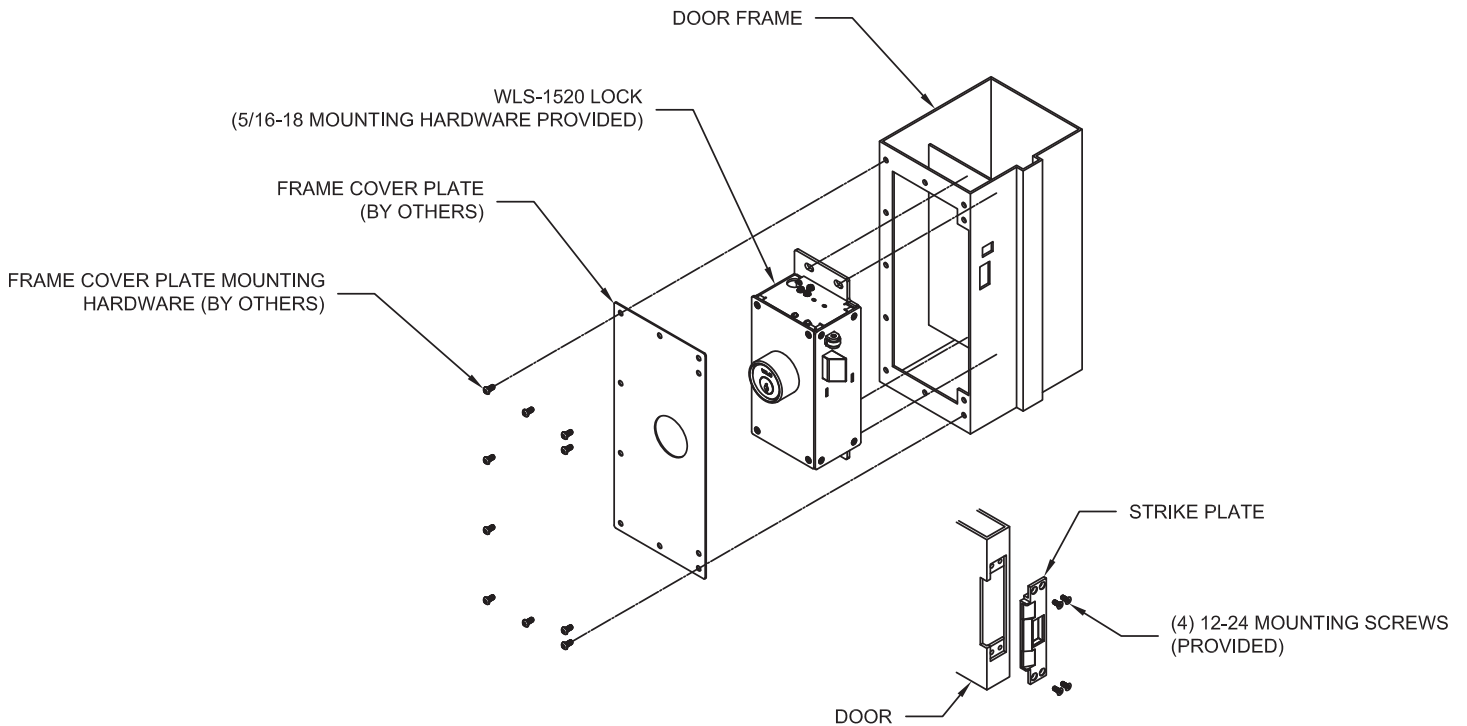
Keyed K1



Keyed K2



LOCK & STRIKE PLATE INSTALLATION



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