



Schlage L-Series Locks Anti-Ligature Solutions

Training Presentation

September 1, 2011

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Agenda



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Introduction



- Suicide is the 11th leading cause of death in the United States, with over 31,000 people taking their life annually. 1,500 suicides occur while in hospitals¹; it is also the leading cause of death while incarcerated⁴. Ligature strangulation (hanging) is the primary means used to end one's life in these environments.
- Schlage now offers a **complete solution** specifically designed to reduced the risk of injury or death due to hanging for use in psychiatric wards, mental health facilities, and detention centers. Anti-ligature knobs, levers, thumbturns, and cylinder rings combined with IVES anti-ligature door hinges offer substantial patient protection along with differentiation from competitors.



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Suicide Statistics



- **US General Statistics**

- 11th leading cause of death (homicide is 13th)²
- 3rd leading cause of death for 15-24 year olds²
- 32,637 suicides, over 800k attempts in 2005²

- **Hospital Statistics**

- ~1500 suicides in inpatient hospital units annually³
- Doors/door hardware involved in 28% of all suicides³

- **Jail Statistics**

- Suicide is leading cause of death in jails (29%)⁴

- **Juvenile Confinement Statistics**

- Includes detention centers, training schools, ranches, camps⁵
- Door/door hardware involved in over 21% of suicides⁵

Facility Statistics



- 5,795 hospitals (includes 444 psychiatric hospitals)⁶
- 3,375 state or county jails⁷
- 2,939 juvenile detention centers⁸
- 179 federal prisons⁹



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SK1 and SL1: Anti-Ligature Knob & Lever



- Door hardware specifically designed to reduce the ability to injure through hanging (ligature strangulation).
- Available as knob (SK1) or lever (SL1). Thumbturn and cylinder also specially designed as anti-ligature.
- For L series Mortise Locks only; available as option or retrofit.



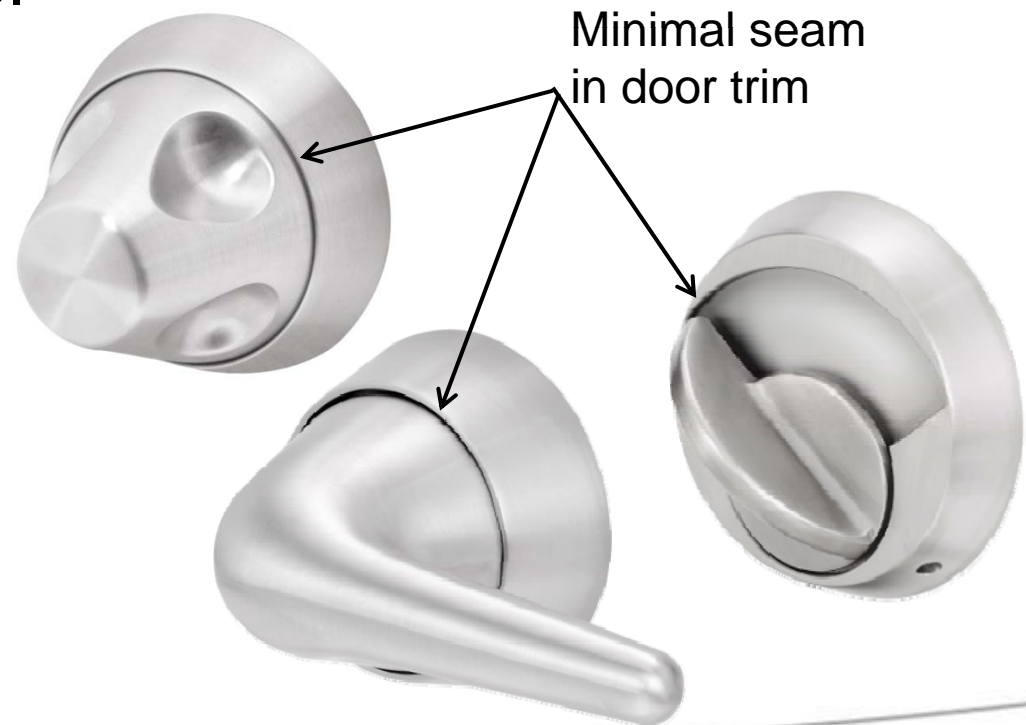
5 Facets of Anti-Ligature Safety



I. Recessed Trim



- Rose and thumbturn are recessed to reduce apparent gap between trim, minimizing opportunity for securing a ligature.



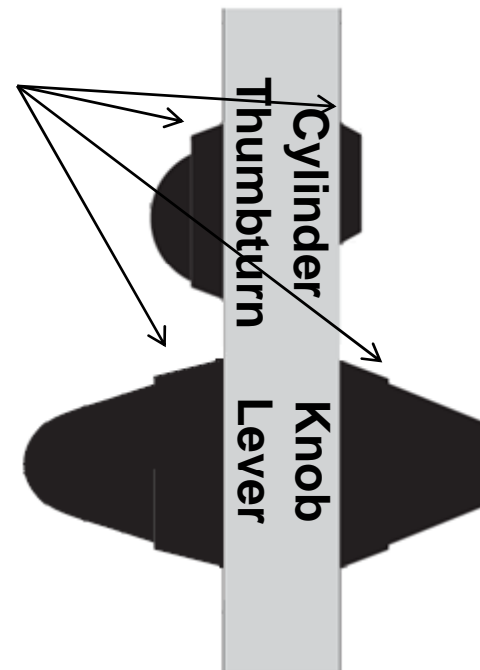
II. Slope on Surfaces



- All non-vertical surfaces angled to decrease opportunity for attachment to trim.



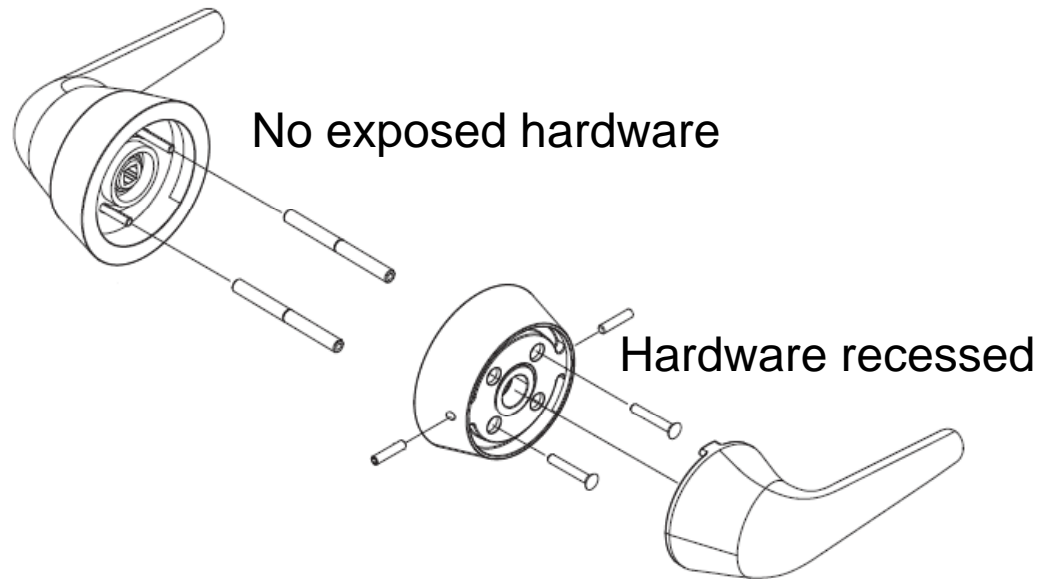
No flat surfaces
to attach ligature



III. Concealed Hardware



- All mounting hardware concealed or recessed, eliminating opportunity to secure a ligature.



SL1 Lever Shown

IV. Thumbturn and Cylinder

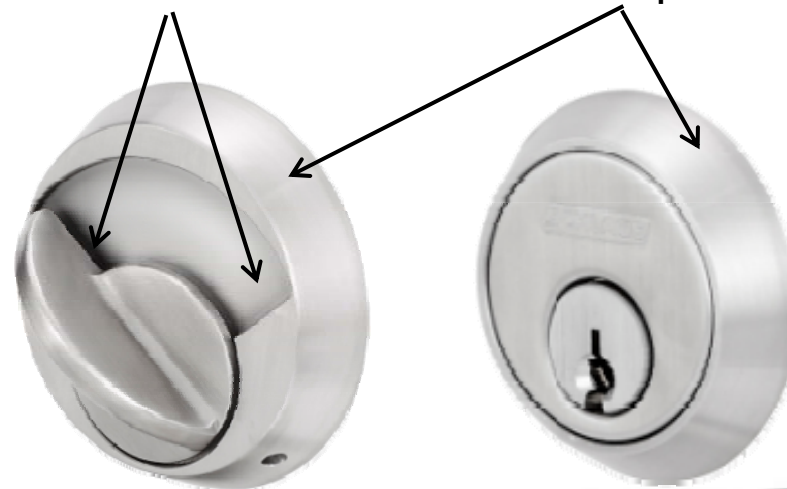


- ADA compliant thumbturn has a sloped surface and positive stops to prevent over-rotation and presentation of horizontal surface (possible ligature point). Cylinder ring has sloped trim, again minimizing attachment opportunity.



Positive stops -
turn never goes horizontal

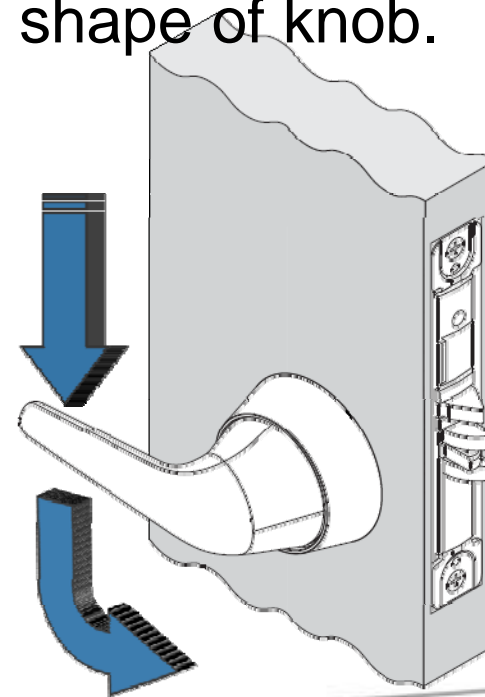
Sloped Surface



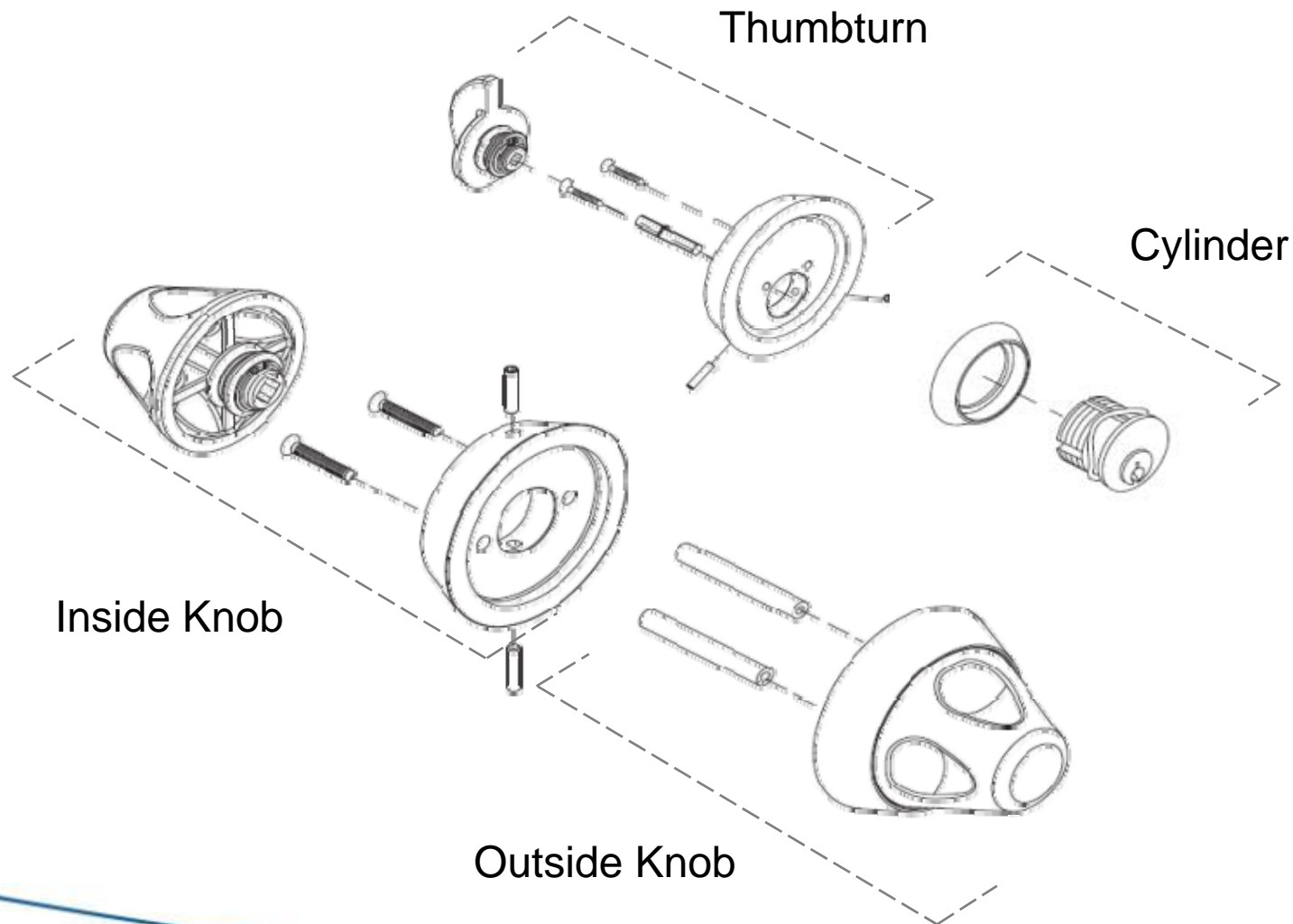
V. Internal Clutch (Lever only)



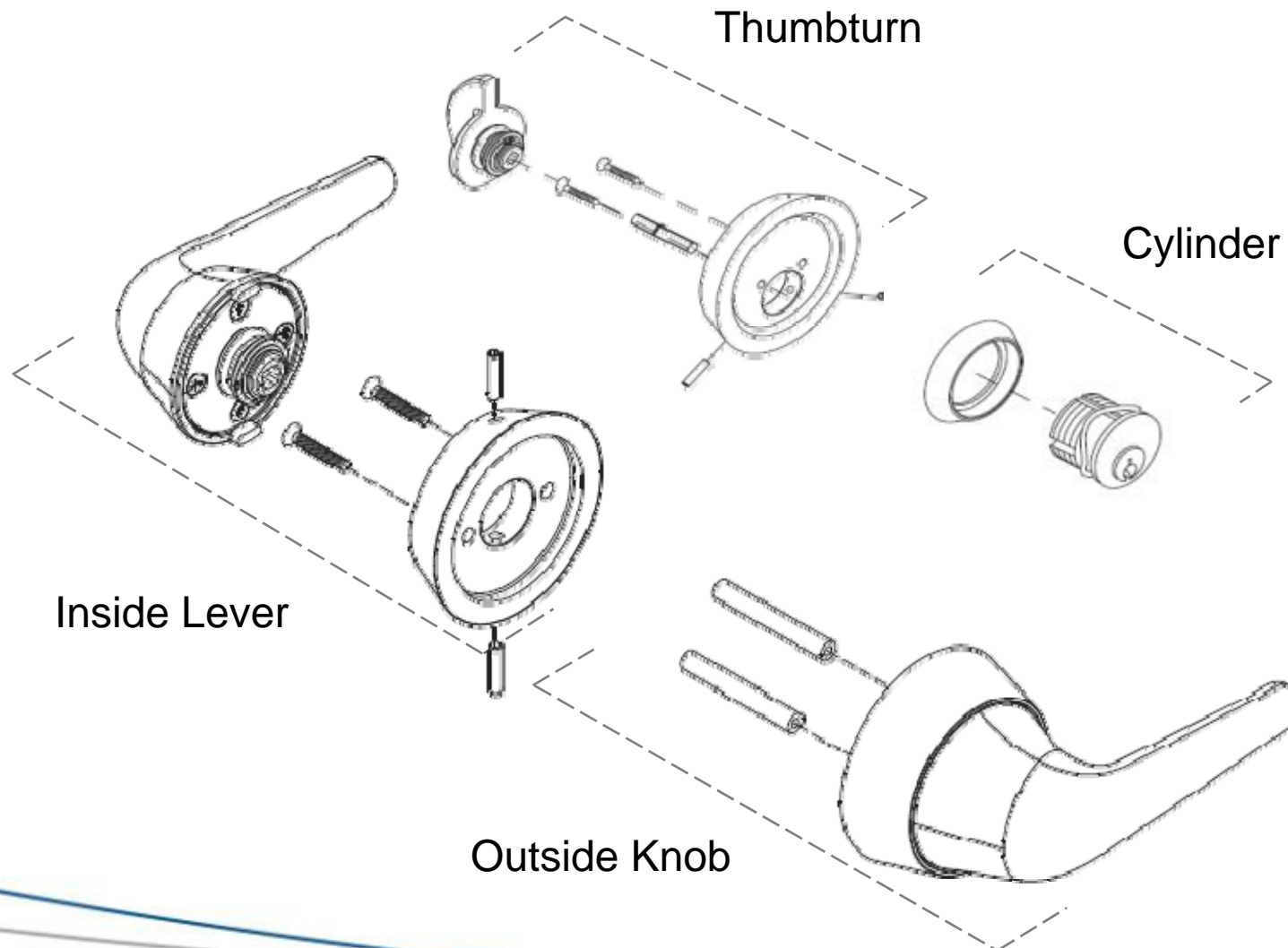
- SL1 lever free-rotates if excessive force applied. Mechanism self-contained so compatible with all L locks. Resets by moving handle back to normal position. Not applicable to SK1 due to round shape of knob.



Part Overview – SK1 Knob



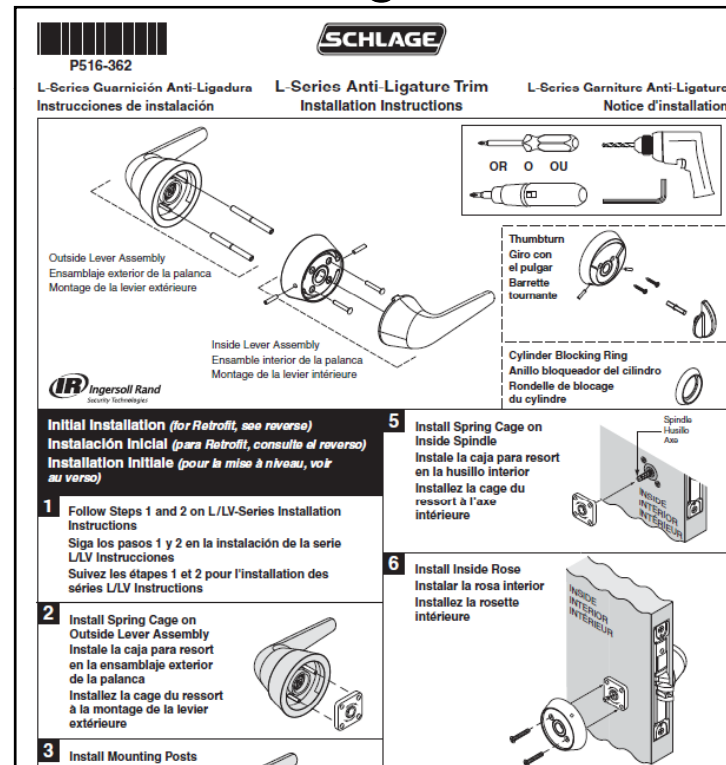
Part Overview – SL1 Lever



Simple Installation



- Follows standard L-Series door prep; simply replace handle/thumbturn/cylinder with anti-ligature version.



Anti-Microbial Option

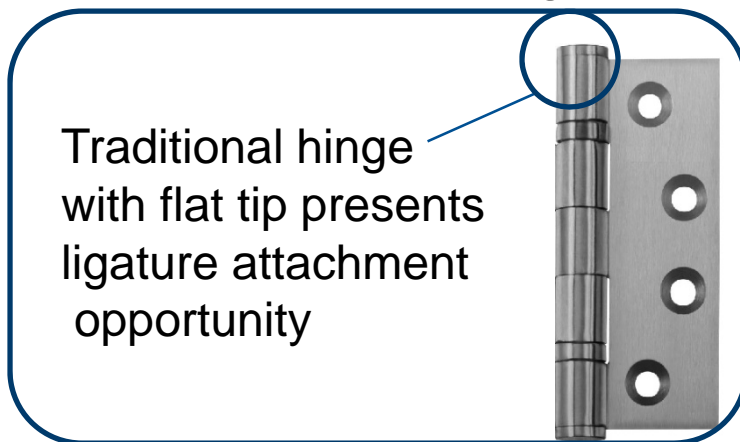


- Anti-Microbial option is a coating applied at the factory that lasts the lifetime of the product
- Silver-ion based finish inhibits cell viability by limiting ability to absorb oxygen, process food, or reproduce
- Effective against bacteria, mold, fungus, mildew, algae.
- Coating supplier EPA registered, FDA listed under 21CFR 175.300
- Available for both SK1 knob and SL1 lever
- Add 'AM' to finish suffix (i.e., 630AM)

Anti-Ligature Hinge



- Complements anti-ligature knob & lever by minimizing door hardware attachment point.
- Order through IVES - specify HT (hospital tip) as hinge option (available on all IVES butte and pin and barrel continuous hinges)



Angled “hospital tip” minimizes attachment opportunity





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- **What is the difference between an anti-ligature knob and anti-ligature lever?**

Both the Schlage SK1 anti-ligature knob and SL1 anti-ligature lever offer increased patient protection by minimizing apparent attachment points on the door hardware. Deciding between the two solutions is a matter of preference, although only the SL1 lever is ADA compliant.

- **Is this different than the Schlage Prison Knob from several years ago?**

Yes – the SK1 knob differs from the XPO knob of the past in that it is significantly easier to grip, twist, and pull. This allows for increased ease of use, and a wider variety of applications.

- **When will the product be available?**

The SK1 anti-ligature knob, thumbturn and cylinder are currently available. The SL1 anti-ligature knob is available to order now, with product delivery starting in May 2011.

FAQs



- **What are the normal lead times for the product?**
You can expect a lead time of 6 weeks for the Anti-Ligature knob or lever.
- **Can I mix-and-match anti-ligature knobs and levers with each other or with other L-series knobs and levers?**
You can mix the anti-ligature knob and lever, but you cannot mix an anti-ligature knob or lever with a traditional knob or lever.
- **What claims can be made about the product?**
As you can imagine, careful consideration needs to be given before claiming any product performance characteristics. Anything that is published in the public literature is approved by legal for your use. Please do not expand or paraphrase beyond what you see in print.

FAQs



- **Is there a cylindrical lock or Falcon version available?**

No - the trim is only offered on the L-Series mortise lock.

- **Are there any other restrictions with the Schlage Anti-Ligature Trim?**

This trim is not available with "L" cylinder option (Lock Less Cylinder), LLL (lock less case), Lock less components, standard ADA thumbturn (L583-363), tactile or knurling.



Appendix

Sources



- 1 Center for Disease Control and Prevention
- 2 suicide.org
- 3 The Joint Commission Journal on Quality and Patient Safety, Inpatient Suicide and Suicide Attempts in Veterans Affairs Hospitals, August 2008
- 4 US Dept of Justice, Bureau of Justice Statistics, Mortality in Local Jails 2000-2007
- 5 Juvenile Suicide in Confinement: A National Survey, National Center on Institutions and Alternatives
- 6 American Hospital Association, 2009 Data
- 7 Sourcebook of Criminal Justice Statistics 2003 (data from 1999)
- 8 Office of Juvenile Justice and Delinquency Prevention (data from 1999)
- 9 Federal Bureau of Prisons, www.bop.gov