



Anti-Ligature Solutions



When Safety Is As Important As Security™

Suicide is the 11th leading cause of death in the United States, with an estimated 800,000 people attempting and over 34,000 people succeeding in taking their life annually¹.

Hospitals are at high-risk for suicide, even when regular patient monitoring checks are in place. In fact, over 1,500 suicides occur in hospitals each year.² A joint commission study on suicides at VA hospitals found that **doors and door hardware were the primary anchor point for 28% of ligature related suicide and suicide attempts - nearly double the next most common attachment point.**³

FEATURE	ANTI-LIGATURE SOLUTION
Anti-Ligature Knob	✓
Anti-Ligature Lever	✓
Anti-Ligature Thumbturn	✓
Anti-Ligature Cylinder Ring	✓
Anti-Ligature Hinge (through IVES)	✓
ADA Compliance	Lever and Thumbturn
Compatible Functions	36
Door Thickness	1-3/4" (others thru special)
Available Finish	630 Satin Stainless
Anti-Microbial Coating Option	✓
BHMA/ANSI Grade 1	✓
Stainless Steel Construction	✓
UL 3 Hour Fire Rated	✓

1,500 suicides occur in hospitals each year

Suicide is also the single largest cause of death while incarcerated (29%) - the only cause of death to occur at a **higher rate in jails** than in the general population.⁴ This problem also extends to **juvenile confinement facilities**. In a study from 1995 through 1999, ligature strangulation was used in 98.7% of suicides at such facilities, with door hardware used as the attachment point in more suicides than any other means (20.5%).⁵

20% of Juvenile Confinement Facility suicides involved door hardware

Suicide has a higher death rate in jail than in general population.



1 American Foundation for Suicide Prevention
http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=050FEA9F-B064-4092-B1135C3A70DE1FDA

2 Centers for Disease Control and Prevention: Understanding Suicide Fact Sheet. 2006.
<http://www.cdc.gov/ncipc/pub-res/Suicide%20Fact%20Sheet.pdf> (last accessed Jun. 20, 2008).

3 The Joint Commission Journal on Quality and Patient Safety: Inpatient Suicide and Suicide Attempts in Veterans Affairs. 2008.
<http://www.suicideproofing.com/Images/JointCommissionJQualPatientSafetyInpatientSuicideVAAug2008.pdf>

4 Bureau of Justice Statistics: Deaths in Custody Reporting Program Mortality in Local Jails, 2000-2007. 2010.
<http://bjs.ojp.usdoj.gov/content/pub/pdf/mlj07.pdf>

5 US Department of Justice: Juvenile Suicide in Confinement. 2009.
<http://www.ncjrs.gov/pdffiles1/ojdp/213691.pdf>

Schlage now offers a complete solution

specifically designed to reduce the risk of injury or death due to ligature strangulation in behavioral health facilities and detention centers. Anti-ligature knobs, levers, thumbturns, and cylinder rings combined with IVES® Hospital Tip door hinges offer substantial patient protection.

The Schlage® Anti-Ligature solution is available for the Schlage L Series Mortise Locks, as a complete new lock assembly or as a conversion to an existing lock.

Schlage - When Safety Is As Important As Security™.



SL1 Anti-Ligature Lever



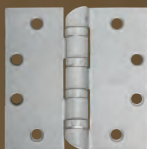
SK1 Anti-Ligature Knob



Anti-Ligature Thumbturn



Anti-Ligature Cylinder Ring



Hospital Tip Hinge

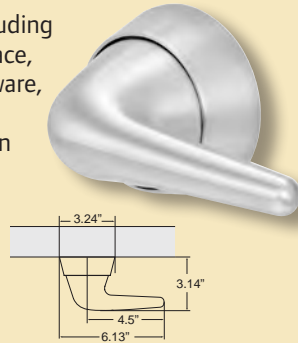
Although designed to reduce the risk of injury or death due to ligature strangulation, Schlage Anti-Ligature products are ligature resistant, but are not necessarily ligature proof.



LEVERS/KNOBS

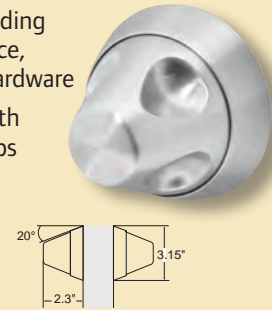
SL1 Anti-Ligature Lever

- Multiple safety facets including recessed trim, sloped surface, concealed fastening hardware, and integrated clutch that allows the lever to rotate in event of excessive force.
- ADA compliant
- Available with new lock or as retrofit
- BAA compliant



SK1 Anti-Ligature Knob

- Multiple safety facets including recessed trim, sloped surface, and concealed fastening hardware
- Quad design allows grip with entire hand or just fingertips
- Available with new lock or as retrofit
- BAA compliant



TURNS/CYLINDERS

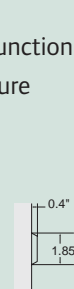
Anti-Ligature Thumbturn

- Included as appropriate with function
- ADA compliant
- Positive stop prevents over extension & presentation of horizontal surface (hazard)
- Sloped surface, recessed trim and concealed fastening hardware minimize attachment opportunity
- BAA compliant



Anti-Ligature Cylinder Ring

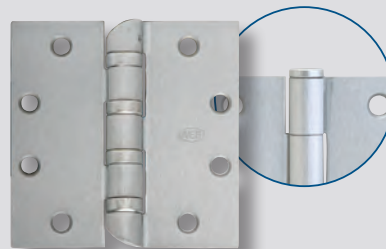
- Included as appropriate with function
- Sloped surface minimizes ligature attachment opportunity
- Specially designed for each cylinder type
- BAA compliant



HINGES

IVES® Hospital Tip Door Hinge

- Ligature resistant sloped tip improves patient safety
- Available option on IVES architectural hinges and pin and barrel continuous hinges



Traditional hinge with flat tip presents ligature attachment opportunity



Anti-Microbial Coating is available on levers, knobs, turns and cylinder rings.

A silver-ion based finish inhibits cell growth by limiting its ability to absorb oxygen, process food, or reproduce. The finish is effective against bacteria, mold, fungus, mildew and algae. Coating is FDA listed under 21 CFR part 175.300.

How to Order

Ordering anti-ligature options is easy – simply follow these steps. Lock will be supplied with handles, thumbturn, and cylinder ring as appropriate.

L9010 - SL1 - 630AM - XL12-482

Anti-Ligature Knob or Lever - New Lock

1) Choose L Lock Function

(note: Vandlgard not required for anti-ligature)

2) Choose Knob or Lever

enter "SK1" for anti-ligature knob
or "SL1" for anti-ligature lever

3) Specify Finish

enter "630" for satin stainless steel
or "630AM" for satin stainless steel with anti-microbial coating

4) Specify Option

enter "XL11-000" for anti-ligature knob
or "XL12-482" for anti-ligature lever

Enter all other lock options as normal. For 1 ¾" doors with sectional trim (other door thicknesses available through special order).

BAA (Buy America Act)

To order BAA, please follow instructions at [Ingersoll Rand Partnerlink](#) -> Campaigns -> Government Programs -> BAA

To retrofit an existing L-lock with anti-ligature trim, follow these steps.

- 1) Select the appropriate conversion part number from the table below
- 2) If applicable, specify "P" for standard (P) cylinder types, "R" for Full Size Interchangeable Core (FSIC) cylinders and "BD" for Small Format Interchangeable Core (SFIC) cylinder types following the part number.
- 3) Specify finish as either "630" for satin stainless steel or "630AM" for satin stainless steel with anti-microbial coating.

Conversion kit only available for 1 ¾" doors with sectional trim.

Converts	Knob Conversion Part Number	Lever Conversion Part Number
L9010, L9060, L9070, L9071, L9076, L9077, L9080, L9080EL, L9080EU, L9082, L9082EL, L9082EU, L9176, L9457, L9458, L9465, L9466, L9482, to anti-ligature	09-155	09-138
L9050, L9056, L9412, L9453, L9456, L9460 w/ pull, L9473, L9480, L9485, to anti-ligature	09-156	09-139
L9040, L9440 to anti-ligature	09-159	09-189
Converts	Deadbolt Conversion Part Number	
L462, L464, L9462, L9464 to anti-ligature	09-157	
L460, L480, L9460 to anti-ligature	09-158	

IVES® Hospital Tip Hinge

Available for all architectural hinges and pin & barrel continuous hinges- specify HT when ordering.





Ingersoll Rand's Security Technologies Sector is a leading global provider of products and services that make environments safe, secure and productive. The Sector's market-leading products include electronic and biometric access control systems; time and attendance and personnel scheduling systems; mechanical locks and portable security, door closers and exit devices, steel doors and frames, architectural hardware and technologies and services for global security markets.

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