

Ligature
resistant
solutions



When safety is as important as security™

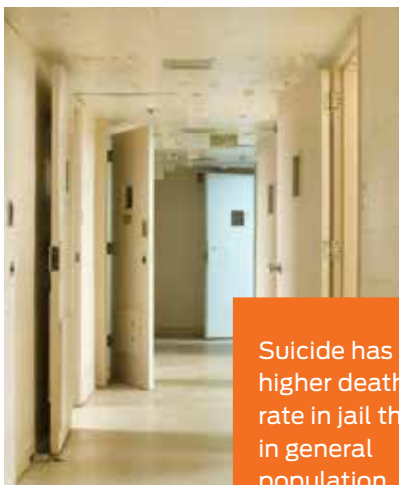
Suicide is the 11th leading cause of death in the United States, with an estimated 800,000 people attempting and over 34,000 people succeeding in taking their life annually.¹

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 (Veterans Affairs) 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

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.

Feature	Ligature resistant solution
Ligature resistant knob	✓
Ligature resistant lever	✓
Ligature resistant thumbturn	✓
Ligature resistant cylinder ring	✓
Ligature resistant hinge (through IVES)	✓
ADA compliance	Lever and thumbturn
Compatible functions	36
Door thickness	1 3/4" (others through special)
Available finish	630 Satin stainless
Anti-microbial coating option	✓
BHMA/ANSI Grade 1	✓
Stainless steel construction	✓
UL 3 hour fire rated	✓

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. Ligature resistant knobs, levers, thumbturns, and cylinder rings combined with IVES® Hospital tip door hinges offer substantial patient protection.

The Schlage® Ligature resistant solution is available for the Schlage L Series mortise locks, as a complete new lock assembly or as a conversion to an existing lock.



SL1 Ligature resistant lever



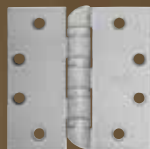
SK1 Ligature resistant knob



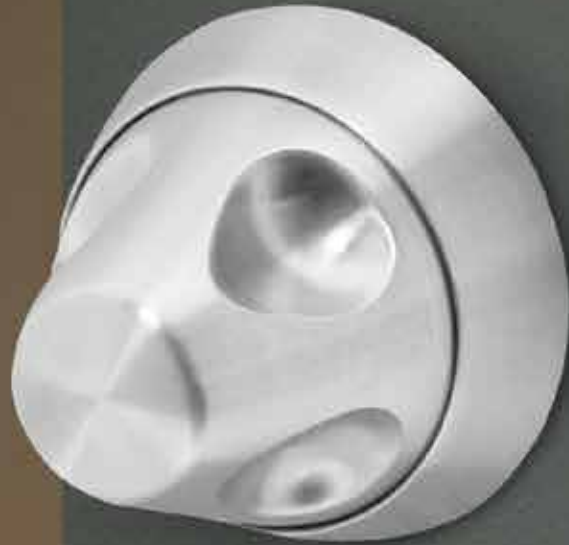
Ligature resistant thumbturn



Ligature resistant cylinder ring



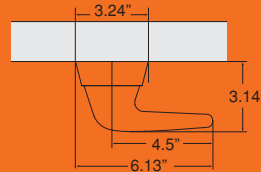
Hospital tip hinge



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

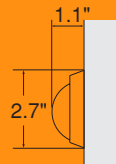
SL1 Ligature resistant lever

- 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



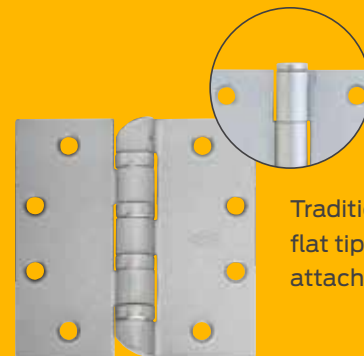
Ligature resistant thumbturn

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



IVES Hospital tip Door hinge

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

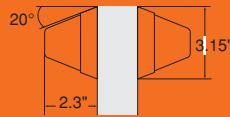


Traditional hinge with flat tip presents ligature attachment opportunity

IVES

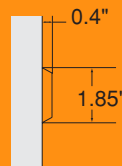
SK1 Ligature resistant knob

- 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



Ligature resistant cylinder ring

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



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

Ligature resistant knob or lever - new lock

L9010

SL1

630AM

XL12-482

1) Choose L lock function

(note: Vandlgard not recommended)

2) Choose knob or Lever

Enter "SK1" for ligature resistant knob or "SL1" for ligature resistant 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 ligature resistant knob or "XL12-482" for ligature resistant lever

Enter all other lock options as normal. For 1 3/4" doors with sectional trim (other door thicknesses available through special order).

BAA (Buy America Act)

To order BAA, please follow instructions at Allegion Partnerlink -> Campaigns -> Government programs -> BAA

To retrofit an existing L-lock with ligature resistant 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 3/4" 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 ligature resistant	09-159	09-189
Converts	Deadbolt conversion part number	
L462, L464, L9462, L9464 to ligature resistant	09-157	
L460, L480, L9460 to ligature resistant	09-158	

IVES® Hospital tip hinge

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

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit www.allegion.com

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