WILLO WEDGE® SLIM

The Industry Leading, Tamper Resistant
Swinging Door Locking System

OVERVIEW:



The Wedge® Slim is the next innovation in the Willo Wedge product line. Built on the legacy of the industry-leading tamper-resistant locking system from Willo, the Wedge Slim is designed for new construction applications. Designed to enhance facility safety and improve security, it can minimize owner liability by securing doors against inmate tampering and abuse. The Wedge Slim is tailored to fit into standard wide-jamb hollow-metal lock pockets, with a slimmer profile than typical surface-mounted lock pockets.

For added security, it features the Gripper, which prevents "sheeting" attempts, a high-intensity LED for visible security status, and a magnetic door position switch that allows remote monitoring from the control room. The Wedge includes a fully enclosed housing that contains wiring and electrical components that connect to industry-standard control systems.

KEY FEATURES:



- **Slim-profile design:** Recessed into standard wide-jamb lock pockets, providing industry-leading, tamper-resistant features that outperform standard Grade 1 Maximum Security locks.
- **LatchGuard:** Patent-pending latch-bolt design eliminates gaps, preventing the stuffing of foreign material into the lock body commonly seen in other locks. (Optional Feature)
- **Interlocking Cover:** Patent-pending, tamper-resistant interlocking covers, carriage bolt attachments, and an astragal overlapping the covers reduce tampering and unauthorized access to the locking system components.
- **Lock Cylinder Floating Plate:** Patent-pending floating plate behind the lock cylinder tightens gaps that could be used to stuff material into the locking system.
- **High-intensity LED Light Components**: Quickly see the security status of each door with superior LED projection and a rigid foam backer, preventing liquid intrusion. This provides enhanced visibility of the tamper alarm.
- **Stainless Steel Construction**: Protects against rust and corrosion, maintaining the integrity and appearance over time, eliminating the need for painting.
- **Tamper Alarm:** Patented Visual and Audible alarm notifies officers when a lock is tampered with and vulnerable to defeat.
- **The Gripper:** Patented raised metal encapsulation of latch and roller bolt grips material and reduces sheeting/carding.
- **Double-Offset:** Additional offset protects the lock bolt from resident access.
- **Hollow body and clean-out port:** Access ports make it difficult for the prisoner to pack debris in the strike receiver.



Optional LatchGuard Feature shown

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A SEMI-RECESSED WEDGE FOR NEW CONSTRUCTION:

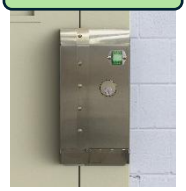
Why is the Wedge Slim a must-have for new construction applications?

Willo's newest innovation advances the traditional tamper-resistant features found in the original Willo Wedge, commonly used in renovation applications, and migrates them to the new construction environment.

Today, new prisons are built with the same wide-jamb, in-frame Grade 1 Maximum security locks that have been around for 30+ years. We know that these legacy designs exhibit vulnerabilities to safety and security of the staff and residents. Willo solved these issues with the introduction of the Wedge for renovation applications over a decade ago. The same security issues that generate the market demand for the Wedge in a retrofit application are the same reasons it applies in a new construction application. But rather than renovating, adding the tamper-resistant capabilities of the Wedge can now simply done at the time of construction.

When done at the time of construction, the Wedge Slim enables all stakeholders to take advantage of the existing construction process. In a typical renovation application, the existing DPS is abandoned in place, a new DPS is inserted into the Wedge, and the existing openings for the strike and door jamb are covered with cover plates. With the Wedge Slim, these steps are eliminated at the time of new construction. In addition, it's designed to recess-mount inside the traditional lock prep, reducing the overall profile of the Wedge that would exist in an after-market application.

The Wedge Slim is uniquely engineered to apply to existing hollow metal manufacturers' design without requiring changes to their traditional manufacturing process. The enables correctional facilities to capitalize on the patented tamper-resistant features to maximize security, while taking advantage of the new construction process, with a slimmer profile.

		New Construction Applications	
Feature	**Notes**	CURRENT 	WEDGE SLIM 
Grade 1 Maximum Security Lock		Yes	Yes
Offset	Patented	No	Yes
Gripper	Patented	No	Yes
LED	Patented	No	Yes
Alarm		No	Yes
Interlocking Cover	Patent pending	No	Yes
LatchGuard (Optional)	Patent pending	No	Yes
Lock Cylinder Baffle	Patent pending	No	Yes
Stainless Steel Construction		No	Yes

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