



**SURELOCK MCGILL**  
ACCESS AND EXIT PROTECTION

 **accesshardware**  
group of companies



**HIGH PERFORMANCE  
DOOR SOLUTIONS**

For over 50 years, Surelock McGill has been known around the world as a leading provider of high performance door hardware and accessories. We design and manufacture locking systems that meet a variety of security, operational and life safety needs.

Our ongoing programs of research, development and testing enable us to meet the changing needs and the latest levels of certification. This dedication to certification and development provides protection against extreme levels of physical attack, blast, ballistics, windstorm and corrosion. Each product has been third party tested and certified to many North American and international standards.

The modular design and flexible operational capabilities of our hardware are reasons why our systems are trusted and installed everywhere from retail chains, banks, data centers, utilities, and embassies across the world. Surelock McGill understands the vital operational requirements of our customers. Our products are designed to meet a tiered or layered security approach for the entire property that includes the perimeter doors/gates, exterior/interior doors, access control/alarm monitoring and life-safety.

## TESTING AND CERTIFICATION OVERVIEW



	Blast - For details, contact your sales rep		EN1125/EN179/UL305
	UL752/EN1522/23 FB1- FB7 & FSG		UL10C - exceeds 3 hours/BS476 PT22/EN1631-1

Above performance results are based on independent third party testing or assessment on selected doorsets

## SOLUTIONS



### GOVERNMENT & DEFENSE

**Threat:** Government and Defense facilities are visible icons and unfortunately have become targets for blast, physical and ballistic attacks.

**Challenge:** Balance between security and life safety.



### INDUSTRIAL PETROCHEM

**Threat:** Many industries operate in hazardous environments that require special materials and personnel safety that are not met with commercial grade doors and hardware.

**Challenge:** Pressure containment, corrosion resistance, blast mitigation and critical life-safety access control require specialized solutions designed by experts with years of experience.



### TRANSPORT

**Threat:** Uncontrolled access to mass transit through service corridors and tunnels leaves the nation's transportation infrastructure vulnerable to attack and vandalism.

**Challenge:** Providing required access for service, free escape in the event of emergency, while surviving the harsh environment.



### COMMERCIAL/ RETAIL

**Threat:** Simple tools like crowbars, hammers, and screwdrivers can be an effective means to pry open an entry door to grant unauthorized access. This can cost the business owner potentially thousands of dollars in losses and endanger or terrorize the staff.

**Challenge:** Design a physical security solution when coupled with the building's access control and alarm system provides a level of protection that realistically matches local law enforcements response time.



### CUSTOM SOLUTIONS

**Threat:** New security vulnerabilities are discovered every day. Capabilities and technologies evolve and new materials and methods give criminals and terrorist an edge against current physical security solutions.

**Challenge:** Continued research, development, testing, and certification to mitigate ever evolving physical security and life-safety risks.



### CRITICAL INFRASTRUCTURE

**Threat:** Unauthorized access to operations, control and equipment rooms could lead to sabotage, destruction, or theft of materials or equipment. The nation's connected infrastructure could be destabilized by physical, ballistic, or explosive attack at any one of these facilities.

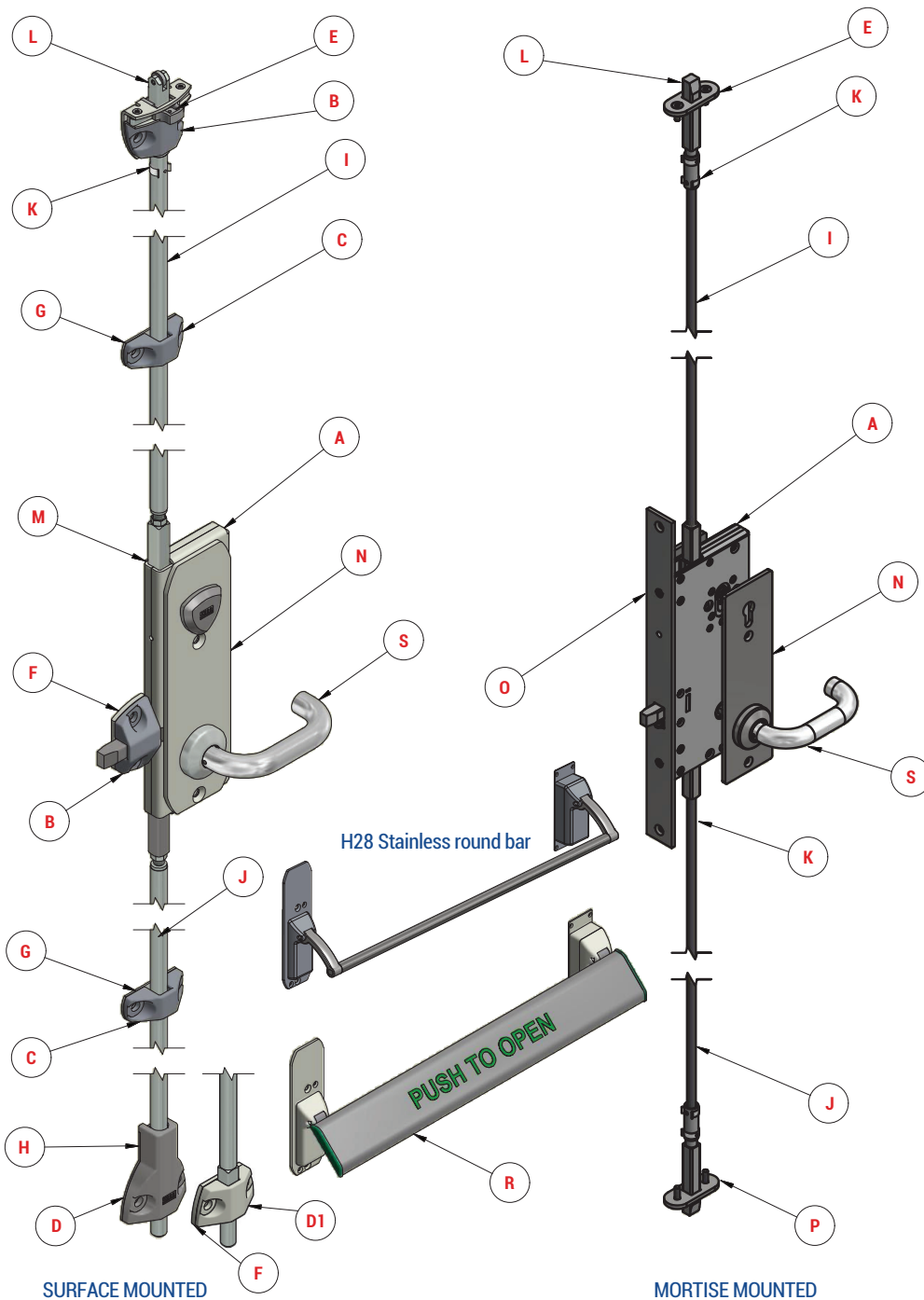
**Challenge:** There is no uniform national security standard. Utilities, communications, and data centers need a modular access control and physical protection that is as diverse as their business.

# SLIMLINE: MULTIPOINT LOCKING

The Slimline by Surelock McGill is a high performance, multi-point locking system. Its modular design allows for a near infinite number of options to meet the necessary threat, life-safety, and operational requirements that challenge today's physical security environment.

## GLOSSARY:

- |   |                          |                                    |                             |                                  |
|---|--------------------------|------------------------------------|-----------------------------|----------------------------------|
| <b>A:</b> CENTER MODULE                 | <b>D1:</b> GUIDE BRACKET | <b>H:</b> BASE PLATE (ANTI THRUST) | <b>L:</b> TOP VERTICAL BOLT | <b>P:</b> GUIDE PLATE TOP/BOTTOM |
| <b>B:</b> GUIDE BRACKET                 | <b>E:</b> RESTRAINT      | <b>I:</b> TOP TUBE/ROD             | <b>M:</b> MOUNTING PLATE    | <b>R:</b> PANIC BAR              |
| <b>C:</b> GUIDE BRACKET                 | <b>F:</b> BASE PLATE     | <b>J:</b> BOTTOM TUBE/ROD-BOLT     | <b>N:</b> HANDLE PLATE      | <b>S:</b> LEVER HANDLE           |
| <b>D:</b> GUIDE BRACKET (SPRING LOADED) | <b>G:</b> BASE PLATE     | <b>K:</b> TUBE CLIP                | <b>O:</b> FACE PLATE        |                                  |



# SLIMLINE: PANIC & EMERGENCY EXIT SYSTEM

High performance multi-point bolting mechanism that provides automatic bolting upon door closure offering high security protection with ballistic and blast resistance in one product.

The product is designed to provide single motion egress with a panic bar or lever handle. Optional, exterior locking trim (LEO) is available.

The Slimline has been designed with a common mounting footprint enabling the addition of new modules to upgrade to the latest operational requirements.

## OPERATIONS

Exit - Slimline panic and emergency exit systems are operated using either a lever handle or panic bar to allow single motion egress. Upon door closure the bolts will automatically release and secure the door.

Optional Entry - Passage lever handle or external lockable trim (LEO).

## FEATURES

- Surface mounted or mortise mounted
- Automatic bolting upon door closure
- Proven rack & pinion mechanism
- 15mm(0.591") stainless steel bolts with 25mm(0.984") throw
- Choice of exit device operators
- Non-handed and suitable for in-swing and out-swing doors
- Tested to over 1,000,000 cycles
- Suitable for doors 2.2m(86.614") tall with height extensions available
- Optional enhancement packs available for blast applications
- Optional bolt status monitoring available
- Up to 5 active bolting points
- 316 grade stainless steel optional

## BENEFITS

- Automatic bolting
- Life safety device UL305 and BSEN 179/1125 compliant
- Tested on specific door assemblies up to 60 minutes of FE/BR and LPS 1175:SR6
- Door securely bolted when in closed position
- Optional remote monitoring of bolt status
- Engineered for longevity and trouble free service



STATE DEPARTMENT FE/BR SD-STD-01	5 MIN	15 MIN	60 MIN		
LPS 1175 SECURITY RATING (on selected doorsets)	SR 2	SR 3	SR 4	SR 5	SR 6

	Blast - For details, contact your sales rep		EN1125/EN179/UL305
	UL752/EN1522/23 FB1 - FB7 & FSG		UL10C - exceeds 3 hours/BS476 PT22/EN1631-1

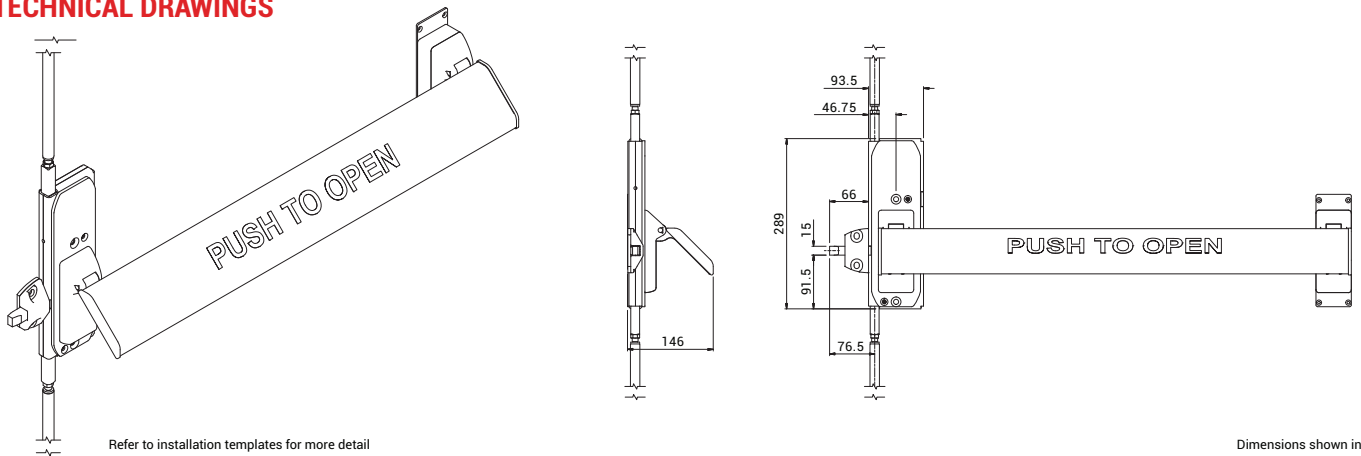
Above performance results are based on independent third party testing or assessment on selected doorsets



<b>ENTRY METHODS:</b>	Access Control with Motorized Lock	Remote Access with Motorized Lock	Manual Key Override	Straight Lever
<b>EXIT METHODS:</b>	Access Control with Motorized Lock	Remote Access with Motorized Lock	Panic Bar (meets UL305)	Straight Lever

# SLIMLINE: PANIC & EMERGENCY EXIT SYSTEM

## TECHNICAL DRAWINGS



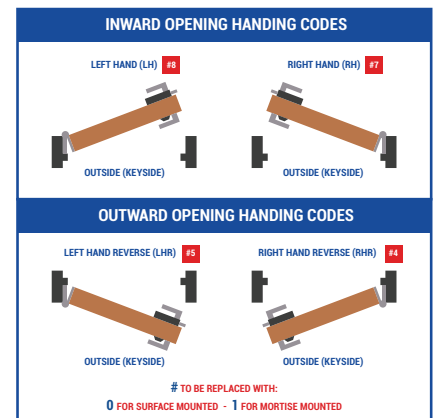
## SELF-CODING SYSTEM

The Slimline (SL) modular devices have a simple ordering code that covers the chosen methods of entry and exit, followed by additional enhancements to further customize the device.

The device is easy to specify:

- Step 1. Bolt configuration**
- Step 2. Choose the required entry code**
- Step 3. Choose the required exit code**
- Step 4. Select handing and opening direction**
- Step 5. Select enhancements to customize and suit specific requirements**

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Number of bolts	Entry	Exit	Handing	Enhancements
<b>2</b> 2-point security <b>3</b> 3-point security  4,5,8 point locking available.	<b>0</b> No Entry Provision	<b>4</b> Panic Bar <b>5</b> Lever Handle	<b>1st Digit</b> <b>0</b> Surface Mounted <b>1</b> Mortise Mounted  <b>2nd Digit</b> <b>0</b> Non-handed <b>4</b> Right Hand Reverse <b>5</b> Left Hand Reverse <b>7</b> Right Hand <b>8</b> Left Hand	<b>W<sub>10</sub></b> Surface mounted by machine screws



### Example system code:

DEVICE BOLTS ENTRY EXIT HANDING ENHANCEMENTS  
**SL 3 0 4 - 00 - W<sub>10</sub>**

The code SL304-00-W10 specifies the Slimline 3 point with no entry provision and panic bar exit from inside. The enhancement codes specify surface mounting by machine screws (W10).

Note: The code '00' specifies surface mounted and non-handed.

## SLIMLINE: PANIC & EMERGENCY EXIT SYSTEM - POPULAR ENHANCEMENTS AVAILABLE

CODE / DESCRIPTION	DESCRIPTION
B <sub>(n)</sub>	Spacing off of door; (n) = Number of 1mm increments
D01	15mm(0.591") 316 S/S bolt enhanced blast level cast guides and brackets 3-point
D02	25mm(0.984") (25.4mm) 316 S/S bolt, guides and brackets for high blast levels 3-point
E <sub>(n)</sub>	3 Foot top rod extension tube (i.e. E2 or E3)
H28	Stainless steel round tube panic bar
M	Electric monitoring of bolt status
M7	Motorized bolt retraction assembly for Slimline exit system
T	Auxiliary bolting unit (below handle)
U	Auxiliary bolting unit and continue (below handle)
U1	Auxiliary bolting unit and continue (above handle)

# SLIMLINE: KEY ACCESS

High performance multi-point locking mechanism that automatically locks upon door closure to provide high security protection against forced entry, ballistic, and blast in one product.

The flexible design of the product enables external key access with single motion egress at all times by lever handle or panic bar.

The Slimline has been designed with a common mounting footprint enabling the addition of new modules to upgrade to the latest operational requirements.



Optional External Cylinder Protection

## OPERATIONS

**Entry** - External mechanical key and lever handle are used to release the deadlock function and retract the locking bolts. Upon door closure the bolts will automatically extend and deadlock.

**Exit** - Single motion egress by either lever handle or panic bar is standard. An alternative method of egress can be provided by key & lever handle operation for non life-safety applications.

## FEATURES

- Surface mounted or mortise mounted
- Storeroom function as standard - automatic locking upon door closure
- Classroom function is available - manual locking upon door closure
- Proven rack & pinion mechanism
- 15mm(0.591") stainless steel bolts with 25mm(0.984") throw
- Choice of exit device operators
- Tested to over 1,000,000 cycles
- Suitable for doors 2.2m(86.614") tall with height extensions available
- Up to 5 active locking points
- Optional enhancement packs available for blast applications
- Optional remote monitoring of lock/bolt status

## BENEFITS

- Automatic relocking as standard
- Life safety device UL305 and BSEN 179/1125 compliant
- Tested on specific door assemblies up to 60 minutes of FE/BR and LPS 1175:SR6
- Door securely locked when in closed position
- Engineered for longevity and trouble free service



H28 round tube panic bar.

STATE DEPARTMENT FE/BR SD-STD-01	5 MIN	15 MIN	60 MIN		
LPS 1175 SECURITY RATING (on selected doorsets)	SR 2	SR 3	SR 4	SR 5	SR 6

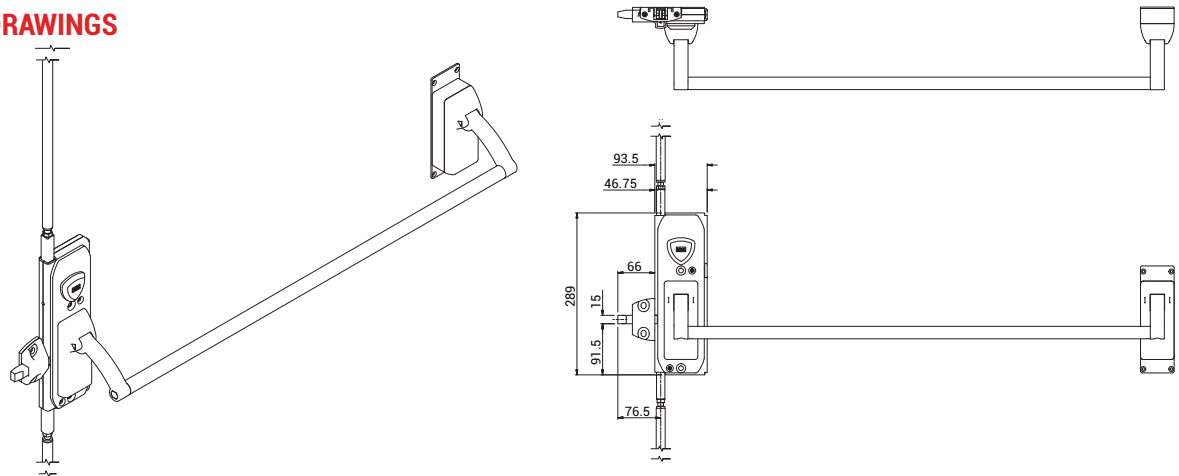
Blast - For details, contact your sales rep	EN1125/EN179/UL305
UL752/EN1522/23 FB1 - FB7 & FSG	UL10C - exceeds 3 hours/BS476 PT22/EN1631-1

Above performance results are based on independent third party testing or assessment on selected doorsets



<b>ENTRY METHODS:</b>	Access Control with Motorized Lock	Remote Access with Motorized Lock	Manual Key Override		
<b>EXIT METHODS:</b>	Access Control with Motorized Lock	Remote Access with Motorized Lock	Panic Bar (meets UL305)	Cranked Lever (meets EN179)	RTE Button

## TECHNICAL DRAWINGS



## SELF-CODING SYSTEM

The Slimline (SL) modular devices have a simple ordering code that covers the chosen methods of entry and exit, followed by additional enhancements to further customize the device.

The device is easy to specify:

- Step 1. Bolt configuration**
- Step 2. Choose the required entry code**
- Step 3. Choose the required exit code**
- Step 4. Select handing and opening direction**
- Step 5. Select enhancements to customize and suit specific requirements**

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Number of bolts	Entry	Exit	Handing	Enhancements
<ul style="list-style-type: none"> <li>2 2-point security</li> <li>3 3-point security</li> </ul>	<ul style="list-style-type: none"> <li>1 Key and lever entry</li> </ul>	<ul style="list-style-type: none"> <li>1 Key and lever exit</li> <li>4 Panic Bar</li> <li>5 Emergency lever</li> </ul>	<p><b>1st Digit</b></p> <ul style="list-style-type: none"> <li>0 Surface Mounted</li> <li>1 Mortise Mounted</li> </ul> <p><b>2nd Digit</b></p> <ul style="list-style-type: none"> <li>0 Non-handed</li> <li>4 Right Hand Reverse</li> <li>5 Left Hand Reverse</li> <li>7 Right Hand</li> <li>8 Left Hand</li> </ul>	<ul style="list-style-type: none"> <li>0<sub>5</sub> Cylinder - Medeco m3-ARX (registered)</li> </ul>



### Example system code:

DEVICE BOLTS ENTRY EXIT HANDING ENHANCEMENTS  
**SL 3 1 5 - 04 - 0<sub>5</sub>**

The code SL315-04-05 specifies the Slimline 3 point device external key access with lever handle entry and lever handle emergency exit from inside. The enhancement code specifies Medeco m3-ARX registered cylinders (05).

Note: The code "04" specifies a surface mounted and right hand reverse.

## SLIMLINE: KEY ACCESS - POPULAR ENHANCEMENTS AVAILABLE

CODE / DESCRIPTION	DESCRIPTION
C	Slimline aesthetic covers (top and bottom)
D01	15mm(0.591") 316 S/S bolt enhanced blast level cast guides and brackets 3-point
D02	25mm(0.984") 316 S/S bolt, guides and brackets for high blast levels 3-point
E(n)	3 Foot top rod extension tube (i.e. E2 or E3)
K0	Classroom function (manual deadlocking)
M	Electric monitoring of bolt status
N	Electric monitoring of lock status
T	Auxiliary bolting unit (below handle)
U	Auxiliary bolting unit and continue (below handle)
U1	Auxiliary bolting unit and continue (above handle)

# SLIMLINE: ELECTRONIC ACCESS CONTROL

High performance multi-point locking mechanism that automatically locks upon door closure to provide high security protection against forced entry, ballistic, and blast in one product.

The flexible design of the product provides manual entry after electronic release of an internal deadlock by any access control system. The bolts stay in the locked position until manual operation of the lever handle. Optional external mechanical key override is available to provide secure means of entry during power or system failure. The system provides single motion egress by lever handle or panic bar.

The Slimline has been designed with a common mounting footprint enabling the addition of new modules to upgrade to the latest operational requirements.



Access control entry (supplied by others)

## OPERATIONS

**Entry** - A signal from the access control system will release the internal deadlock allowing the user to manually retract all locking bolts using the lever handle. Upon door closure the bolts will automatically extend and secure.

**Exit** - Single motion egress by either lever handle or panic bar is standard. Alternate methods of egress can be provided by key & lever handle operation or electronic release of the internal deadlock and manual operation of the lever handle for non life-safety applications.

## FEATURES

- Surface mounted or mortise mounted
- Key override: Storeroom function as standard - automatic locking upon door closure
- Key override: Classroom function is available - manual locking upon door closure
- Suitable for doors 2.2m(86.614") tall with height extensions available
- Up to 5 active locking points
- Optional enhancement packs available for blast applications
- Optional remote monitoring of lock/bolt status
- 12V DC fail secure, as standard
- Optional 24V DC fail secure, 12V DC or 24V DC fail safe
- Proven rack & pinion mechanism
- 15mm(0.591") stainless steel bolts with 25mm(0.984") throw
- Choice of exit device operators
- Tested to over 1,000,000 cycles

## BENEFITS

- Integrates with any electronic access control system
- Life safety device UL305 and BSEN 179/1125 compliant
- Tested on specific door assemblies up to 60 minutes of FE/BR and LPS 1175:SR6
- Optional remote monitoring of lock/bolt status
- Engineered for longevity and trouble free service

STATE DEPARTMENT FE/BR SD-STD-01	5 MIN	15 MIN	60 MIN
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LPS 1175 SECURITY RATING (on selected doorsets)	SR 2	SR 3	SR 4	SR 5	SR 6
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	Blast - For details, contact your sales rep		EN1125/EN179/UL305
	UL752/EN1522/23 FB1 - FB7 & FSG		UL10C - exceeds 3 hours/BS476 PT22/EN1631-1

Above performance results are based on independent third party testing or assessment on selected doorsets

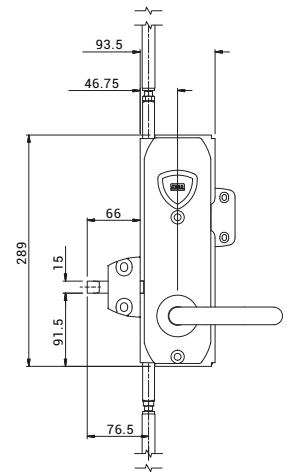
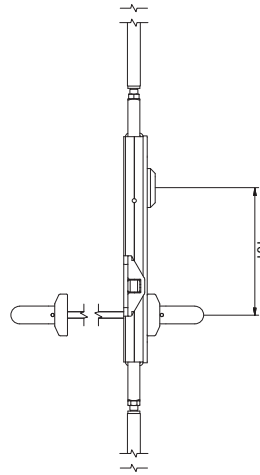
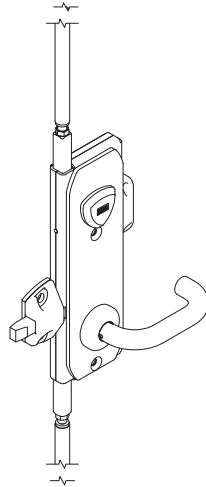


<b>ENTRY METHODS:</b>	Access Control with Motorized Lock	Remote Access with Motorized Lock	Manual Key Override
<b>EXIT METHODS:</b>	Access Control with Motorized Lock	Remote Access with Motorized Lock	Panic Bar (meets UL305)
		Cranked Lever (meets EN179)	RTE Button



# SLIMLINE: ELECTRONIC ACCESS CONTROL

## TECHNICAL DRAWINGS



Dimensions shown in mm

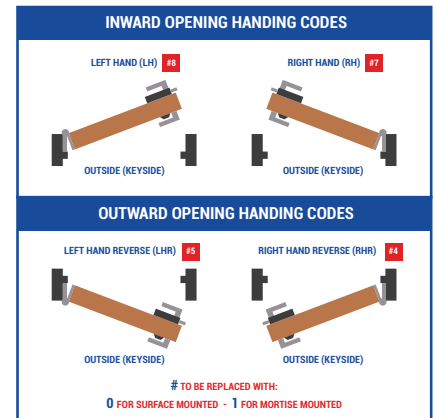
## SELF-CODING SYSTEM

The Slimline (SL) modular devices have a simple ordering code that covers the chosen methods of entry and exit, followed by additional enhancements to further customize the device.

The device is easy to specify:

- Step 1. Bolt configuration**
- Step 2. Choose the required entry code**
- Step 3. Choose the required exit code**
- Step 4. Select handing and opening direction**
- Step 5. Select enhancements to customize and suit specific requirements**

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Number of bolts	Entry	Exit	Handing	Enhancements
<ul style="list-style-type: none"> <li>2 2-point security</li> <li>3 3-point security</li> </ul>	<ul style="list-style-type: none"> <li>2 Access Control</li> </ul>	<ul style="list-style-type: none"> <li>1 Key and lever exit</li> <li>4 Panic Bar</li> <li>5 Emergency lever</li> </ul>	<b>1st Digit</b> <ul style="list-style-type: none"> <li>0 Surface Mounted</li> <li>1 Mortise Mounted</li> </ul> <b>2nd Digit</b> <ul style="list-style-type: none"> <li>0 Non-handed</li> <li>4 Right Hand Reverse</li> <li>5 Left Hand Reverse</li> <li>7 Right Hand</li> <li>8 Left Hand</li> </ul>	<ul style="list-style-type: none"> <li>K<sub>2</sub> External key release in case of power failure</li> <li>O<sub>5</sub> Cylinder - Medeco m3-ARX (registered)</li> </ul>



### Example system code:

SL 3 2 5 - 04 - K<sub>2</sub> O<sub>5</sub>

The code SL325-04-K2O5 specifies the Slimline 3 point electronic access control with external manual lever handle entry and lever handle single motion egress. The enhancement codes specify external key release in case of power failure (K2), and Medeco m3-ARX registered cylinder (O5).

Note: The code "04" specifies a surface mounted and right hand reverse system.

## SLIMLINE: ELECTRONIC ACCESS CONTROL - POPULAR ENHANCEMENTS AVAILABLE

CODE / DESCRIPTION	DESCRIPTION
B <sub>(n)</sub>	Spacing off of door; (n) = Number of 1mm increments
D01	15mm(0.591") 316 S/S bolt enhanced blast level cast guides and brackets 3-point
D02	25mm(0.984") 316 S/S bolt, guides and brackets for high blast levels 3-point
E <sub>(n)</sub>	3 Foot top rod extension tube (i.e. E2 or E3)
K <sub>0</sub>	Classroom function (manual deadlocking)
M	Electric monitoring of bolt status
M7	Motorized bolt retraction assembly for Slimline exit system
N	Electric monitoring of lock status
O <sub>(n)</sub>	Cylinder option code - n=0 factory supplied cylinder, other cylinder codes available in catalog
R1	24VDC

# SLIMLINE: MOTORIZED BOLT RETRACTION

High performance multi-point locking mechanism that automatically locks upon door closure to provide high security protection against forced entry, ballistic, and blast in one product.

The flexible design of the Slimline is enhanced with the addition of motorized bolt retraction. When activated with any access control system, the motorized unit will retract all locking bolts. This feature allows local or remote automated opening and closing of the doorset when integrated with an optional automatic door operator. Mechanical override provides single motion egress in the event of access control system or power failure.

The Slimline has been designed with a common mounting footprint enabling the addition of new modules to upgrade to the latest operational requirements.



## OPERATIONS

**ENTRY** - A signal by the access control system or request to exit switch will release the internal deadlock allowing motorized retraction of all locking bolts. Upon door closure the bolts will automatically extend and secure. For fully automated operation, the locking system should be installed in conjunction with an automatic door operator.

An external mechanical key and lever handle can be used to override the access control system and gain entry.

**EXIT** - A signal by the access control system or request to exit switch will release the internal deadlock allowing motorized retraction of all locking bolts. Single motion egress by either lever handle or panic bar is provided in the event of access control system or power failure.

For fully automated operation, the locking system should be installed in conjunction with an automatic door operator.

## FEATURES

- Surface mounted or mortise mounted
- Key override: Storeroom function as standard - automatic locking upon door closure
- Key override: Classroom function is available - manual locking upon door closure
- Suitable for doors 2.2m(86.614") tall with height extensions available
- Up to 5 active locking points
- Optional enhancement packs available for blast applications
- Optional remote monitoring of lock/bolt status
- 12V DC fail secure, as standard
- Optional 24V DC fail secure, 12V DC or 24V DC fail safe
- Preprogrammed control box & power supply
- Integrate with any Automatic Door Operator
- Proven rack & pinion mechanism
- 15mm(0.591") stainless steel bolts with 25mm(0.984") throw
- Choice of exit device operators
- Tested to over 1,000,000 cycles

## BENEFITS

- Remote or local operation capability
- Optional remote monitoring of lock and bolt status
- Integrates with any access control system and automatic door operator

STATE DEPARTMENT FE/BR SD-STD-01	5 MIN	15 MIN	60 MIN		
LPS 1175 SECURITY RATING (on selected doorsets)	SR 2	SR 3	SR 4	SR 5	SR 6

Blast - For details, contact your sales rep	EN1125/EN179/UL305
UL752/EN1522/23 FB1 - FB7 & FSG	UL10C - exceeds 3 hours/BS476 PT22/EN1631-1

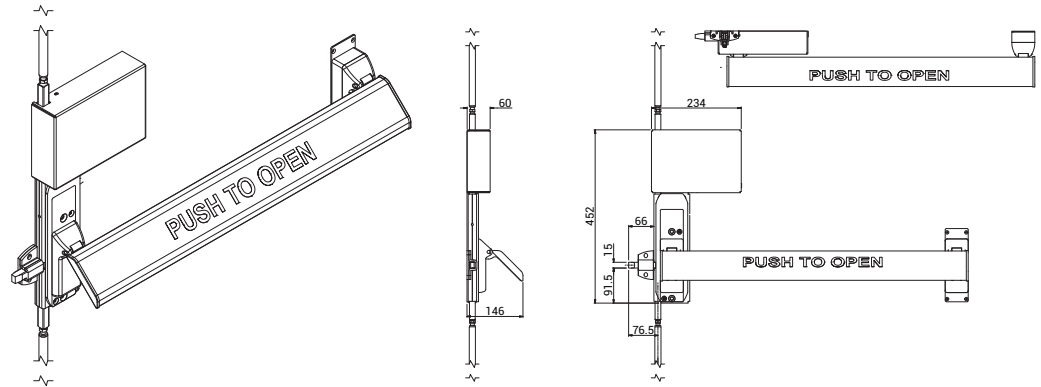
Above performance results are based on independent third party testing or assessment on selected doorsets



<b>ENTRY METHODS:</b>	Access Control with Motorized Lock	Remote Access with Motorized Lock	Manual Key Override		
<b>EXIT METHODS:</b>	Access Control with Motorized Lock	Remote Access with Motorized Lock	Panic Bar (meets UL305)	Cranked Lever (meets EN179)	RTE Button

# SLIMLINE: MOTORIZED BOLT RETRACTION

## TECHNICAL DRAWINGS



Dimensions shown in mm

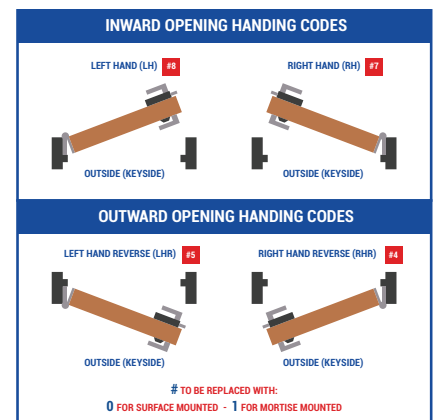
## SELF-CODING SYSTEM

The Slimline (SL) modular devices have a simple ordering code that covers the chosen methods of entry and exit, followed by additional enhancements to further customize the device.

The device is easy to specify:

- Step 1. Bolt configuration**
- Step 2. Choose the required entry code**
- Step 3. Choose the required exit code**
- Step 4. Select handing and opening direction**
- Step 5. Select enhancements to customize and suit specific requirements**

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Number of bolts	Entry	Exit	Handing	Enhancements
<ul style="list-style-type: none"> <li>2 2-point security</li> <li>3 3-point security</li> </ul>	<ul style="list-style-type: none"> <li>0 No Entry Provision</li> <li>1 Key and lever entry</li> <li>2 Access Control</li> </ul>	<ul style="list-style-type: none"> <li>1 Key and lever exit</li> <li>4 Panic Bar</li> <li>5 Emergency lever</li> </ul>	<p><b>1st Digit</b></p> <ul style="list-style-type: none"> <li>0 Surface Mounted</li> <li>1 Mortise Mounted</li> </ul> <p><b>2nd Digit</b></p> <ul style="list-style-type: none"> <li>0 Non-handed</li> <li>4 Right Hand Reverse</li> <li>5 Left Hand Reverse</li> <li>7 Right Hand</li> <li>8 Left Hand</li> </ul>	<ul style="list-style-type: none"> <li>K<sub>2</sub> External key release in case of power failure</li> <li>M<sub>7</sub> Motorized bolt release*</li> <li>O<sub>5</sub> Cylinder - Medeco m3-ARX (registered)</li> </ul> <p>(*must be specified for motorized lock)</p>



### Example system code:

DEVICE BOLTS ENTRY EXIT HANDING ENHANCEMENTS  
**SL 3 2 5 - 04 - K<sub>2</sub> M<sub>7</sub> O<sub>5</sub>**

The code SL325-04-K2M7O5 specifies the Slimline 3 point electronic access control motorized bolt retraction with external lever handle entry and lever handle single motion egress. The enhancement codes specify external key release in case of power failure (K2), Motorized bolt release (M7), and Medeco m3-ARX registered cylinder (O5).

Note: The code "04" specifies a surface mounted and right hand reverse system.

## SLIMLINE: MOTORIZED BOLT RETRACTION - POPULAR ENHANCEMENTS AVAILABLE

CODE / DESCRIPTION	DESCRIPTION
D01	15mm(0.591") 316 S/S bolt enhanced blast level cast guides and brackets 3-point
D02	25mm(0.984") 316 S/S bolt, guides and brackets for high blast levels 3-point
E(n)	3 Foot top rod extension tube (i.e. E2 or E3)
K <sub>2</sub>	External key override in case of power failure
M	Electric monitoring of bolt status
M <sub>7</sub>	Motorized bolt retraction assembly for Slimline exit system
N	Electric monitoring of lock status
O(n)	Cylinder option code – n=0 factory supplied cylinder, other cylinder codes available in catalog
R <sub>1</sub>	24 Volt operation
T	Auxiliary bolting unit (below handle)
U	Auxiliary bolting unit and continue (below handle)
U <sub>1</sub>	Auxiliary bolting unit and continue (above handle)

# SLIMLINE: COMBINATION SAFE LOCK ACCESS

High performance multi-point locking mechanism that automatically locks upon door closure to provide high security protection against forced entry, ballistic, and blast in one product.

The flexible design of the product allows the use of a mechanical or electronic combination safe lock to provide lock-down of a Slimline key locking or electronic access control system. After retracting the combination safe lock bolt, the Slimline provides manual entry through its configured means of entry. The system provides single motion egress through a lever handle or panic bar.

The Slimline has been designed with a common mounting footprint enabling the addition of new modules to upgrade to the latest operational requirements.



Combination lock

## OPERATIONS

**Entry** - Combination lock is used to lock down the Slimline system. Externally retract the combination lock bolt and operate the Slimline system as configured with key access or electronic access control then turn the lever handle to retract the locking bolts.

**Exit** - Single motion egress by lever handle or panic bar is standard.

## FEATURES

- Key override: Storeroom function as standard - automatic locking upon door closure
- Key override: Classroom function is available - manual locking upon door closure
- Proven rack & pinion mechanism
- 15mm(0.591") stainless steel bolts with 25mm(0.984") throw
- Choice of exit device operators
- Tested to over 1,000,000 cycles
- Suitable for doors 2.2m(86.614") tall with height extensions available
- Up to 5 active locking points
- Optional enhancement packs available for blast applications
- Optional remote monitoring of lock/bolt status

## BENEFITS

- Access control by specified electronic or mechanical combination safe lock
- Life safety device UL305 and BSEN 179/1125 compliant
- Tested on specific doorsets up to 60 minutes of FE/BR and LPS 1175:SR6
- Door securely locked when in closed position
- Engineered for longevity and trouble free service

STATE DEPARTMENT FE/BR SD-STD-01	5 MIN	15 MIN	60 MIN		
LPS 1175 SECURITY RATING (on selected doorsets)	SR 2	SR 3	SR 4	SR 5	SR 6

Blast - For details, contact your sales rep	EN1125/EN179/UL305
UL752/EN1522/23 FB1 - FB7 & FSG	UL10C - exceeds 3 hours/BS476 PT22/EN1631-1

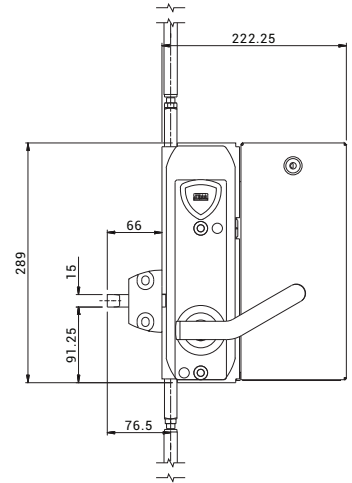
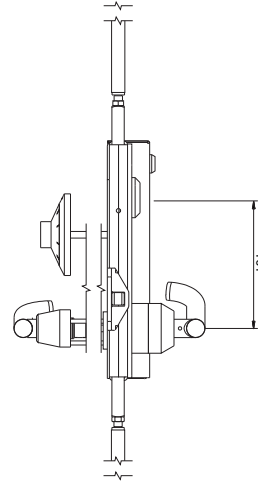
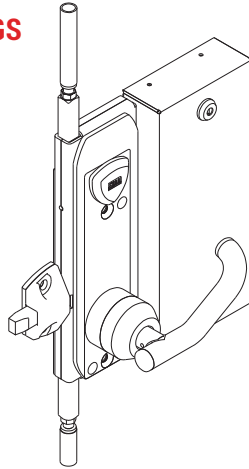
Above performance results are based on independent third party testing or assessment on selected doorsets



<b>ENTRY METHODS:</b>	Access Control with Motorized Lock	Remote Access with Motorized Lock	Manual Key Override	Combination Safe Lock	
<b>EXIT METHODS:</b>	Access Control with Motorized Lock	Remote Access with Motorized Lock	Panic Bar (meets UL305)	Cranked Lever (meets EN179)	RTE Button

# SLIMLINE: COMBINATION SAFE LOCK ACCESS

## TECHNICAL DRAWINGS



Dimensions shown in mm

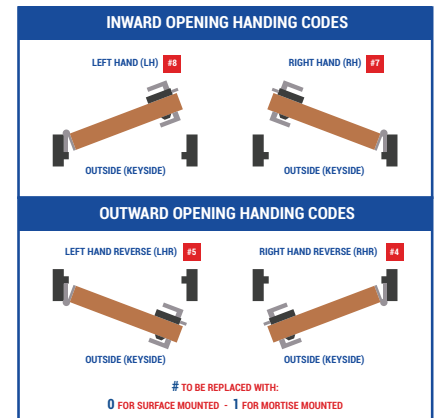
## SELF-CODING SYSTEM

The Slimline (SL) modular devices have a simple ordering code that covers the chosen methods of entry and exit, followed by additional enhancements to further customize the device.

The device is easy to specify:

- Step 1. Bolt configuration**
- Step 2. Choose the required entry code**
- Step 3. Choose the required exit code**
- Step 4. Select handing and opening direction**
- Step 5. Select enhancements to customize and suit specific requirements**

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Number of bolts	Entry	Exit	Handing	Enhancements
<ul style="list-style-type: none"> <li>2 2-point security</li> <li>3 3-point security</li> </ul>	<ul style="list-style-type: none"> <li>3 Combination lock</li> </ul>	<ul style="list-style-type: none"> <li>2 Access Control</li> <li>4 Panic Bar</li> <li>5 Emergency lever</li> </ul>	<b>1st Digit</b> <ul style="list-style-type: none"> <li>0 Surface Mounted</li> </ul> <b>2nd Digit</b> <ul style="list-style-type: none"> <li>0 Non-handed</li> <li>4 Right Hand Reverse</li> <li>5 Left Hand Reverse</li> <li>7 Right Hand</li> <li>8 Left Hand</li> </ul>	<ul style="list-style-type: none"> <li>K<sub>99</sub> Supplied without a combination lock</li> </ul>



### Example system code:

DEVICE BOLTS ENTRY EXIT HANDING ENHANCEMENTS  
**SL** **3** **3** **5** - **04** - **K<sub>99</sub>**

The code SL335-04-K99 specifies the Slimline 3 point combination safe lock access with external manual lever handle entry and lever handle single motion egress.

The enhancement codes specify a combination lock (not supplied) (K99).

Note: The code "04" specifies a surface mounted right hand reverse system.

## SLIMLINE: COMBINATION SAFE LOCK ACCESS - POPULAR ENHANCEMENTS AVAILABLE

CODE / DESCRIPTION	DESCRIPTION
B <sub>(n)</sub>	Spacing off of door; (n) = Number of 1mm increments
D01	15mm(0.591") 316 S/S bolt enhanced blast level cast guides and brackets 3-point
D02	25mm(0.984") 316 S/S bolt, guides and brackets for high blast levels 3-point
E <sub>(n)</sub>	3 Foot top rod extension tube (i.e. E2 or E3)
K <sub>2</sub>	External key override in case of power failure
K <sub>99</sub>	No combination safe lock provided
M	Electric monitoring of bolt status
M7	Motorized bolt retraction assembly for Slimline exit system
N	Electric monitoring of lock status
O <sub>(n)</sub>	Cylinder option code – n=0 factory supplied cylinder, other cylinder codes available in catalog

# SLIMLINE: MORTISE MOUNTED SYSTEM

The Surelock McGill Slimline can be mortise mounted inside the cavity of any hollow metal door. This is a discrete mounting method to provide multi-point locking security while concealing the inner workings of the device.

The modular design of the system functions the same as the surface mounted version offering all of the entry/exit, operational and enhancement options.

## OPERATIONS:

### PANIC & EMERGENCY EXIT:

Exit - Slimline panic and emergency exit systems are operated using either a lever handle or panic bar to allow single motion egress. Upon door closure the bolts will automatically release and secure the door.

### KEY ACCESS:

Entry - External mechanical key and lever handle are used to release the deadlock function and retract the locking bolts. Upon door closure the bolts will automatically extend and deadlock.

Exit - Single motion egress by either lever handle or panic bar is standard. An alternative method of egress can be provided by key & lever handle operation for non life-safety applications.

### ELECTRONIC ACCESS CONTROL

Entry - A signal by the access control system will release the internal deadlock allowing the user to manually retract all locking bolts using the lever handle. Upon door closure the bolts will automatically extend and secure.

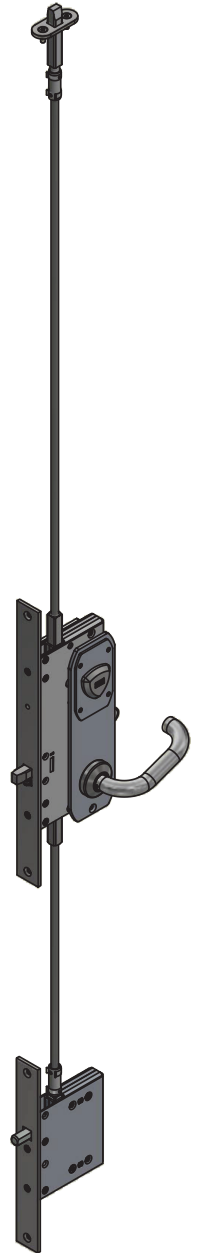
Exit - Single motion egress by either lever handle or panic bar is standard. Alternate methods of egress can be provided by key & lever handle operation or electronic release of the internal deadlock and manual operation of the lever handle for non life-safety applications.

## FEATURES:

- Key access/override: Storeroom function as standard - automatic locking upon door closure
- Proven rack & pinion mechanism
- 15mm(0.591") stainless steel bolts with 25mm(0.984") throw
- Suitable for doors 2.2m(86.614") tall with height extensions available
- All systems are suitable for in-swing and out-swing doors
- The panic and emergency exit system is non-handed
- Optional bolt status monitoring is available for the panic and emergency system
- Classroom function - manual locking is available for the key access systems
- Up to 5 active locking points available
- Optional remote monitoring of lock/bolt status can be added to the key release system.
- The electronic access control system can come optional remote monitoring of lock/bolt status and 12V DC fail secure as standard
- Additional options can be supplied for the electronic access control system- 24V DC fail secure/ 12V DC or 24V DC fail safe

## BENEFITS:









- Automatic relocking as standard
- Life safety device UL305 and BSEN 179/1125 compliant
- Tested on specific doorsets up to 60 minutes of FE/BR and LPS 1175:SR6
- Door securely locked when in closed position
- Engineered for longevity and trouble free service



	Blast - For details, contact your sales rep		UL305/EN1125/EN179
	UL752/EN1522/23 FB1 - FB7 & FSG		UL10C - up to 4 hours/BS476 PT22/EN1631-1

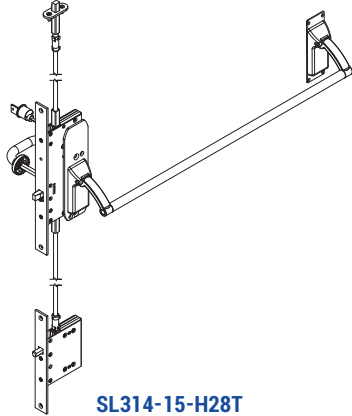
Above performance results are based on independent third party testing or assessment on selected doorsets



<b>ENTRY METHODS:</b>	 Access Control with Motorized Lock	 Remote Access with Motorized Lock	 Manual Key Override		
<b>EXIT METHODS:</b>	 Access Control with Motorized Lock	 Remote Access with Motorized Lock	 PUSH TO OPEN Panic Bar (meets UL305)	 Cranked Lever (meets EN179)	 RTE Button

# SLIMLINE: MORTISE MOUNTED SYSTEM

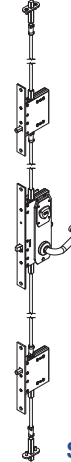
## TECHNICAL DRAWINGS



SL314-15-H28T



SL305-10



SL315-15-UU1

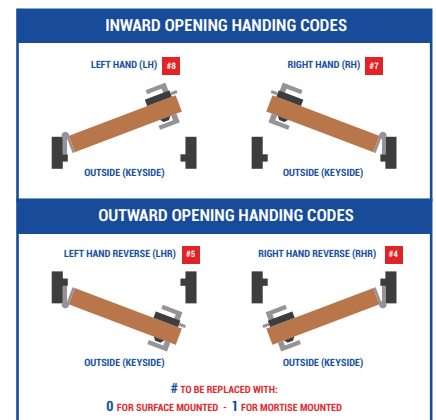
## SELF-CODING SYSTEM

The Slimline (SL) modular devices have a simple ordering code that covers the chosen methods of entry and exit, followed by additional enhancements to further customize the device.

The device is easy to specify:

- Step 1. Bolt configuration
- Step 2. Choose the required entry code
- Step 3. Choose the required exit code
- Step 4. Select handing and opening direction
- Step 5. Select enhancements to customize and suit specific requirements

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Number of bolts	Entry	Exit	Handing	Enhancements
<ul style="list-style-type: none"> <li>2 2-point security</li> <li>3 3-point security</li> </ul>	<ul style="list-style-type: none"> <li>0 No Entry Provision</li> <li>1 Key and lever entry</li> <li>2 Access Control</li> </ul>	<ul style="list-style-type: none"> <li>1 Key and lever exit</li> <li>4 Panic Bar</li> <li>5 Emergency lever</li> </ul>	<p><b>1st Digit</b></p> <ul style="list-style-type: none"> <li>1 Mortise Mounted</li> </ul> <p><b>2nd Digit</b></p> <ul style="list-style-type: none"> <li>0 Non-handed</li> <li>4 Right Hand Reverse</li> <li>5 Left Hand Reverse</li> <li>7 Right Hand</li> <li>8 Left Hand</li> </ul>	<ul style="list-style-type: none"> <li>0<sub>s</sub> Cylinder - Medeco m3-ARX (registered)</li> </ul>



### Example system code:

DEVICE BOLTS ENTRY EXIT HANDING ENHANCEMENTS  
**SL 3 1 5 - 14 - 0<sub>s</sub>**

The code SL315-14-05 specifies the Slimline 3 point key access device with lever handle entry and lever handle single motion egress. The enhancement code specifies Medeco m3-ARX registered cylinders (05).

Note: The code "14" specifies right hand reverse mortise mounted system.

## SLIMLINE: MORTISE MOUNTED SYSTEM - POPULAR ENHANCEMENTS AVAILABLE

CODE / DESCRIPTION	DESCRIPTION
E <sub>(n)</sub>	3 Foot top rod extension (i.e. E2 or E3)
H28	Stainless steel round tube panic bar
K <sub>0</sub>	Classroom function (manual deadlocking)
K <sub>2</sub>	External key override in case of power failure
M	Electric monitoring of bolt status
N	Electric monitoring of lock status
O <sub>(n)</sub>	Cylinder option code – n=0 factory supplied cylinder, other cylinder codes available in catalog
T	Auxiliary bolting unit (below handle)
U	Auxiliary bolting unit and continue (below handle)
U <sub>1</sub>	Auxiliary bolting unit and continue (above handle)

**INSWING AND OUTSWING STRIKES  
FOR SURFACE MOUNTED SYSTEMS**



**SB1**



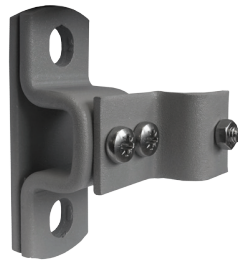
**SC8**



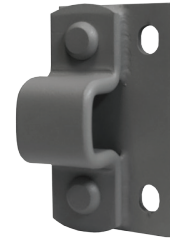
**SC2**



**SA**



**SA2**



**SA1**

**MOUNTING/LOAD PLATES**



**SF**

Dust Proof Floor Socket



**Mounting Plate**



**Load Plate**

The Slimline System supplied with 2mm thick or 3mm thick (motorized version) mounting plate. An optional 5mm thick load plate can be supplied to provide an enhanced mounting method for the Slimline lock and cylinder guard.



# THRU BOLT MOUNTING OPTIONS

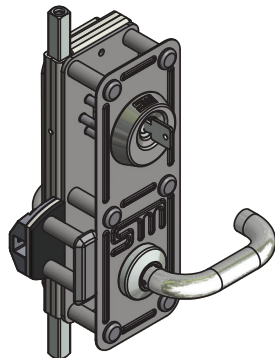
Retrofitting a security door with a Slimline multi-point lock will elevate the door's physical security. Installing this hardware in the field can be difficult and time consuming on doors and frames originally prepared for other hardware.

Surelock McGill has designed and manufactured a set of heavy-duty 316 grade stainless steel thru-bolt brackets and mounting plates to aid the installer and better protect the property owner against physical attack.

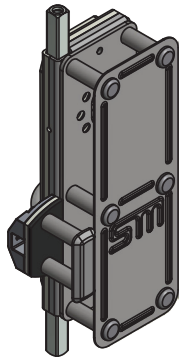
Our thru-bolt mounting solution is 50% faster to install than riv-nuts and offers a higher level of physical security than traditional bolts.

## FEATURES

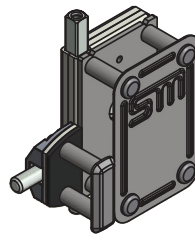
- Grade 316 Stainless Steel Construction
- Guides and plates for the following mounting locations:
  - Lock Body
  - All active locking bolts
  - Hinge side dog-bolts
  - Auxiliary Bolting Units
  - Intermediate Guide Brackets (optional)
- Pry -resistant edges resist physical attack
- D-shaped barrels on mounting plates prevent rotation while screws are tightened
- Options for any door thickness



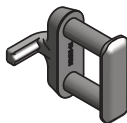
External Lock Body Plate with Cylinder Guard



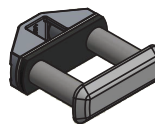
Exit Only Lock Body



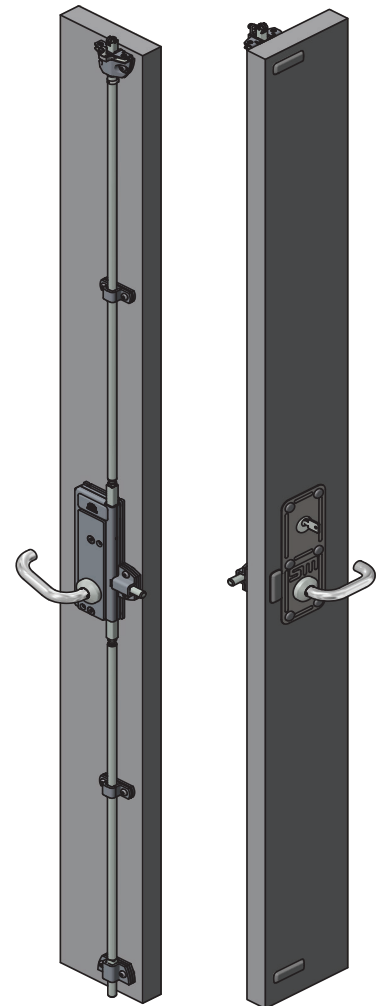
Auxiliary Bolting Unit



Hinge Bolt



Intermediate Guide



SL315-04 W21

Internal

External

## CODE / DESCRIPTION

W20	Thru Bolt Mounting arrangement for custom thickness doors (customer to specify)
W21	Thru Bolt Mounting arrangement for 44mm(1.732") thick doors
W22	Thru Bolt Mounting arrangement for 57mm(2.244") thick doors
HB <sub>(n)</sub>	Hinge bolt option with number of hinge bolts supplied in place of (n)

# SLIMLINE: BLAST PROTECTION & ENHANCEMENTS

There are three tiers of blast protection offered by the Slimline. Each level has been tested to at least 100kg of TNT at 15 meters and offer a selection of blast protection enhancements:

## Basic Level of Blast Protection:

System Configuration	Load Per Bolt kN / LBS	Peak Pressure KPa / PSI
3-Point Outward Opening	24.4 / 5485	70 / 10.2
5-Point Outward Opening	24.4 / 5485	114 / 16.5
3-Point Inward Opening	24.4 / 5485	42 / 6.1
5-Point Inward Opening	24.4 / 5485	68 / 9.8

Peak pressure values are a guide based on static load calculations on a particular door construction. Calculations should be done for specific door sizes and constructions.

## Enhanced level of Blast Protection:

System Configuration	Load Per Bolt kN / LBS	Peak Pressure KPa / PSI
3-Point Outward Opening	34 / 7643	102 / 14.8
5-Point Outward Opening	34 / 7643	166 / 24.1
3-Point Inward Opening	34 / 7643	61 / 8.8
5-Point Inward Opening	34 / 7643	99 / 14.4

Peak pressure values are a guide based on static load calculations on a particular door construction. Calculations should be done for specific door sizes and constructions.

## High level of Blast Protection:

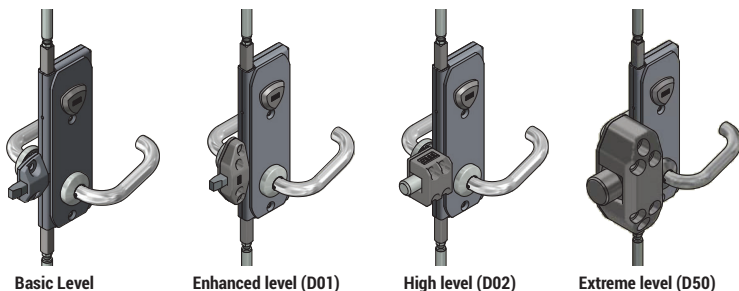
System Configuration	Load Per Bolt kN / LBS	Peak Pressure KPa / PSI
3-Point Outward Opening	236 / 53K	681 / 98.8
5-Point Outward Opening	236 / 53K	1108 / 160.7
3-Point Inward Opening	236 / 53K	408 / 59.2
5-Point Inward Opening	236 / 53K	664 / 96.3

Peak pressure values are a guide based on static load calculations on a particular door construction. Calculations should be done for specific door sizes and constructions.

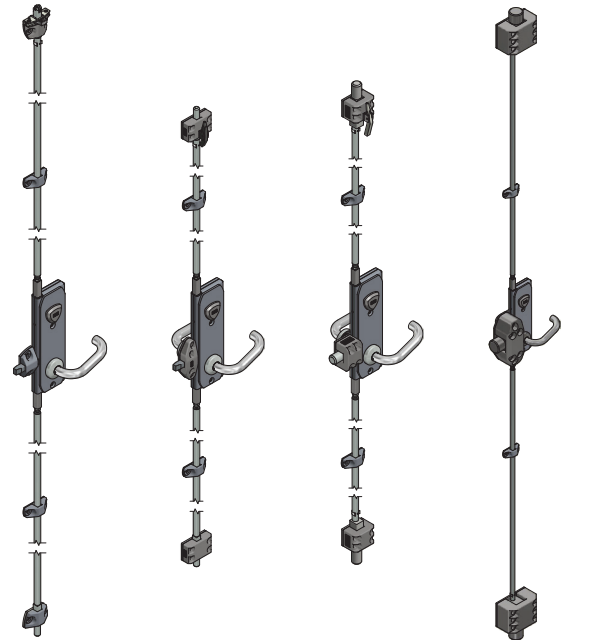
## Extreme level of Blast Protection:

System Configuration	Load Per Bolt kN / LBS	Peak Pressure KPa / PSI
3-Point Outward Opening	1000 / 224800	2887 / 418
5-Point Outward Opening	1000 / 224800	4694 / 680
3-Point Inward Opening	1000 / 224800	1732 / 251
5-Point Inward Opening	1000 / 224800	2817 / 408

Peak pressure values are a guide based on static load calculations on a particular door construction. Calculations should be done for specific door sizes and constructions.



Basic Level      Enhanced level (D01)      High level (D02)      Extreme level (D50)



3 Point system no additional enhancements      3 Point system with enhanced blast hardware      3 Point system with high level hardware      3 Point system with extreme level hardware



5 Point system with additional auxiliary bolts that continue above/below handle - no additional blast enhancements      5 Point system with enhanced blast hardware and additional auxiliary bolts that continue above/below handle      5 Point system with high level hardware, increased bolt size and additional auxiliary bolts that continue above/below handle      5 Point system with extreme level hardware, increased bolt size and additional auxiliary bolts that continue above/below handle

# STIRLING - HEAVY DUTY SINGLE POINT LOCK

The Stirling has a common mounting footprint for simple installation. The modular design provides the ability to upgrade the operational and security capabilities in the field.



## OPERATIONS:

### PANIC & EMERGENCY EXIT:

Exit - Stirling panic and emergency exit systems are operated using either a lever handle or panic bar to allow single motion egress. Upon door closure the bolt will automatically release and secure the door.

### KEY ACCESS:

Entry - External mechanical key and lever handle are used to release the deadlock function and retract the locking bolt. Upon door closure the bolt will automatically extend and deadlock.

Exit - Single motion egress by either lever handle or panic bar is standard. An alternative method of egress can be provided by key & lever handle operation for non life-safety applications.

### ELECTRONIC ACCESS CONTROL:

Entry - A signal by the access control system will release the internal deadlock allowing the user to manually retract the locking bolt using the lever handle. Upon door closure the bolt will automatically extend and secure.

Exit - Single motion egress by either lever handle or panic bar is standard. Alternate methods of egress can be provided by key & lever handle operation or electronic release of the internal deadlock and manual operation of the lever handle for non life-safety applications.

### MOTORIZED BOLT RETRACTION

Entry - A signal by the access control system or request to exit switch will release the internal deadlock allowing motorized retraction of the locking bolt. Upon door closure the bolt will automatically extend and secure. For fully automated operation, the locking system should be installed in conjunction with an automatic door operator. An external mechanical key and lever handle can be used to override the access control system and gain entry.

Exit - A signal by the access control system or request to exit switch will release the internal deadlock allowing motorized retraction of the locking bolt. Single motion egress by either lever handle or panic bar is provided in the event of access control system or power failure.

For fully automated operation, the locking system should be installed in conjunction with an automatic door operator.

## FEATURES:

- Proven rack and pinion design
- Tested to over 1,000,000 cycles
- Bolt automatically extends upon door closure
- 19mm(0.748") stainless steel bolt with 25mm(0.984") throw

### Panic and Emergency Exit

- Passage with lever handle optional
- Multiple external lockable trim options

### Motorized bolt retraction

- Remote or local operation
- Easily integrates with automatic door operator for automated opening and closing

### Key Access

- Storeroom function as standard - automatic locking upon door closure
- Classroom function is available - manual locking upon door closure
- Work with any manufacturer's rim cylinder

### Electronic access control

- Bolt and deadlocking monitoring as standard
- 12V DC fail secure as standard
- Optional 24V DC fail secure, 12V or 24V DC fail safe
- External key override in the event of power failure

## BENEFITS:

- Engineered for longevity and trouble free service
- Tested on specific doorsets up to LPS 1175: SR4
- Life safety device UL305 and BSEN 179/1125 compliant



	Blast - For details, contact your sales rep		UL305/EN1125/EN179
	UL752/EN1522/23 FB1- FB7 & FSG		BS476 PT22/EN1631-1

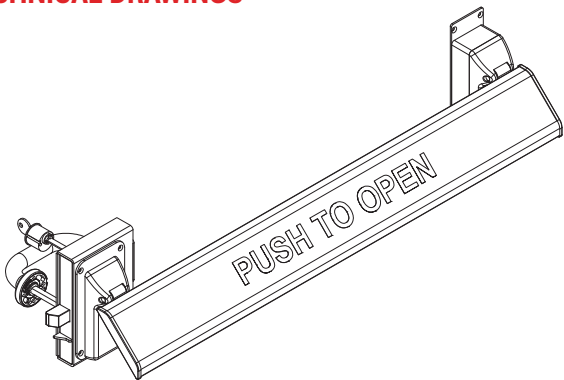
Above performance results are based on independent third party testing or assessment on selected doorsets



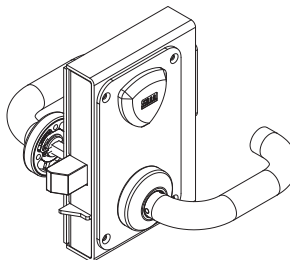
ENTRY METHODS:		Access Control with Motorized Lock		Remote Access with Motorized Lock		Manual Key Override
	EXIT METHODS:		Access Control with Motorized Lock		Remote Access with Motorized Lock	
						Cranked Lever (meets EN179)
						RTE Button

# STIRLING - HEAVY DUTY SINGLE POINT LOCK

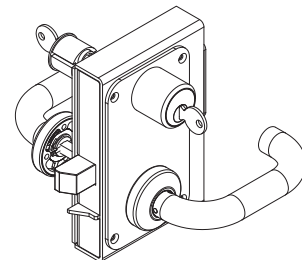
## TECHNICAL DRAWINGS



ST114-05



ST122-05



ST111-05-K13

## SELF-CODING SYSTEM

The Stirling (ST) modular devices have a simple ordering code that covers the chosen methods of entry and exit, followed by additional enhancements to further customize the device.

The device is easy to specify:

**Step 1. Bolt configuration**

**Step 2. Choose the required entry code**

**Step 3. Choose the required exit code**

**Step 4. Select handing and opening direction**

**Step 5. Select enhancements to customize and suit specific requirements**

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Number of bolts	Entry	Exit	Handing	Enhancements
<b>1</b> 1-point security	<b>0</b> No Entry Provision <b>1</b> Key and lever entry <b>2</b> Access Control	<b>1</b> Key and lever exit <b>2</b> Access Control <b>4</b> Panic Bar <b>5</b> Emergency lever	<b>1st Digit</b> <b>0</b> Surface Mounted  <b>2nd Digit</b> <b>0</b> Non-handed <b>4</b> Right Hand Reverse <b>5</b> Left Hand Reverse <b>7</b> Right Hand <b>8</b> Left Hand	<b>W<sub>10</sub></b> Surface mounted by machine screws  <b>M<sub>7</sub></b> Motorized bolt retraction



### Example system code:

**ST** **1** **2** **4** - **04** - **M<sub>7</sub>** **W<sub>10</sub>**

The code ST124-04-M7W10 specifies the Stirling single point with electronic access control deadlock release with manual lever handle entry and single motion egress with a panic bar. The enhancement codes specify Motorized bolt retraction (M7) and Machine screws for surface mounting on a metal door (W10).

Note: The code "04" specifies surface mounted right hand reverse.

## STIRLING: POPULAR ENHANCEMENTS AVAILABLE

CODE / DESCRIPTION	DESCRIPTION
H	External lever handle for passage function
H28	Stainless steel round tube panic bar
HS2	Basic Hasp and Staple w/o padlock
K0	Classroom function (manual deadlocking)
K2	External key override in case of power failure
K10	External key access no handle required
M	Electric monitoring of bolt status
M7	Motorized bolt retraction assembly for Slimline exit system
N	Electric monitoring of lock status
O(n)	Cylinder option code – n=0 factory supplied cylinder, other cylinder codes available in catalog

## Twin Hook Heavy Duty Gate and Door Lock

The Moorgate is designed for securing sliding or hinged gates, doors and hatches. It incorporates two opposing hooks, plus a central horizontal bolt. The system is designed with an internal deadlock to resist prying and gate lift-off attacks. Optional auxiliary hook units can be added above or below the lock body for taller gate/door applications.

The Moorgate is manufactured from 316 grade stainless steel making it suitable for external and hazardous conditions.

The modular design provides flexible solutions to suit many high security gate and door applications.



### OPERATIONS

#### PANIC & EMERGENCY EXIT:

Exit - Moorgate panic and emergency exit systems are operated using either a lever handle or panic bar to allow single motion egress. Upon door/gate closure the bolts will automatically release and secure the door/gate.

#### KEY ACCESS:

Entry - External mechanical key and lever handle are used to release the deadlock function and retract the locking bolts. Upon door/gate closure the bolts will automatically extend and deadlock.

Exit - Single motion egress by either lever handle or panic bar is standard. An alternative method of egress can be provided by key or thumbturn and lever handle operation for non life-safety applications.

#### ELECTRONIC ACCESS CONTROL

Entry - A signal by the access control system will release the internal deadlock allowing the user to manually retract all locking bolts using the lever handle. Upon door/gate closure the bolts will automatically extend and secure.

Exit - Single motion egress by either lever handle or panic bar is standard. Alternate methods of egress can be provided by key or thumbturn and lever handle operation or electronic release of the internal deadlock and manual operation of the lever handle for non life-safety applications.

### FEATURES

- 15mm(0.591") horizontal bolt with 25mm(0.984") engagement
- 10mm(0.394") wide inverted hook bolts with 45mm(1.772") engagement
- Adjustable roller release mechanism for gap variation
- Bolts automatically engage upon closure

#### Key access

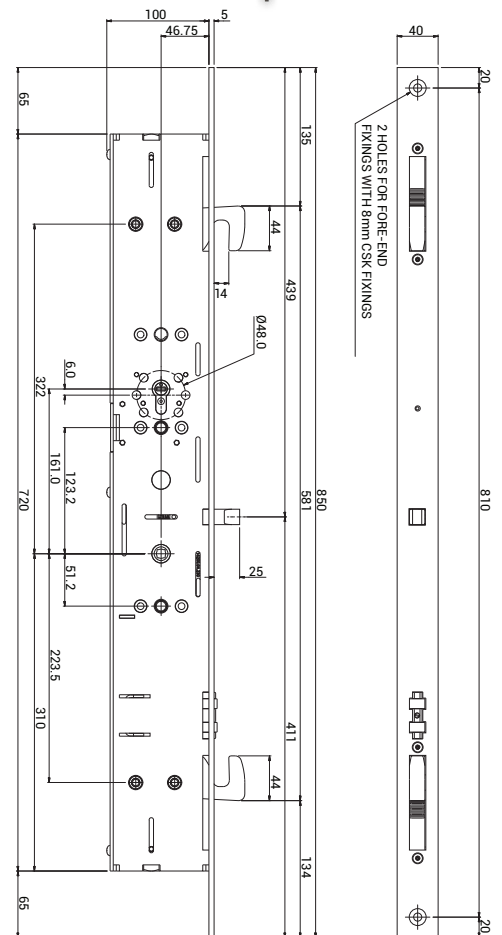
- Storeroom function as standard - automatic locking upon door closure
- Classroom function is available - manual locking upon door closure
- Work with any manufacturer's rim cylinder

#### Electronic access control

- Bolt and deadlocking monitoring as standard
- 12V DC fail secure as standard
- Optional 24V DC fail secure, 12V or 24V DC fail safe
- Optional bolt and lock status monitoring
- External key release in the event of power failure
- Auxiliary hook bolt units available for taller gates and doors
- Robust strike arrangement
- Tested to LPS 1175 Security Rating SR3 on selected gates

### BENEFITS

- Engineered for longevity and trouble free service



Dimensions shown in mm



Tested to LPS 1175 Security Rating SR3 when fitted on selected gates

The Moorgate has a modular design to meet the required level of physical attack resistance while maintaining its core footprint and operational parameters. Additional active locking bolts can be added to the standard 3-point system to provide added protection for larger doors and gates.

The 5-point "A" design adds vertical rods/bolts that engage into the header and footer while the "B" design adds two additional horizontal hook bolts that engage the frame.

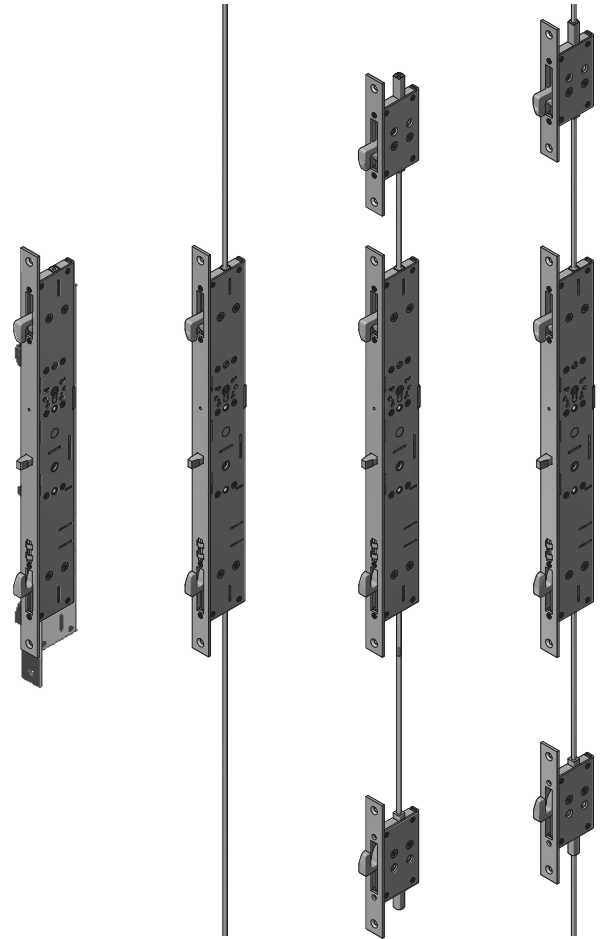
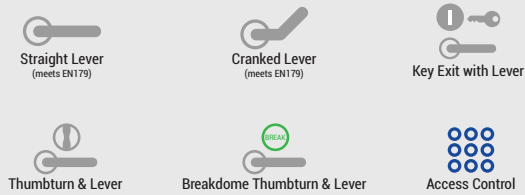
The 7-point version incorporates both the vertical rods and additional horizontal hook bolts to provide maximum protection for taller gates and doors.

Bolt-through cylinder guards are available to meet a higher threat of physical and ballistic attack.

### OPTIONAL ENTRY METHODS:



### OPTIONAL EXIT METHODS:



3-Point

5-Point A

5-Point B

7-Point

## MOORGATE STRIKES

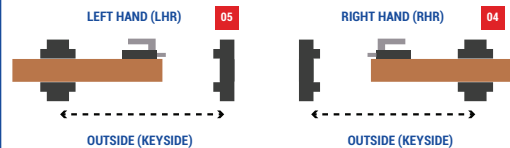


S-12048-0001/0002

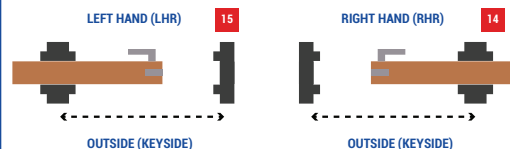
## HANDING

### SLIDING DOORS/GATES

#### GATE OPENING HANDING CODES (SURFACE)

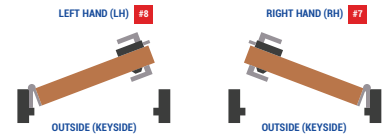


#### GATE OPENING HANDING CODES (MORTISE)

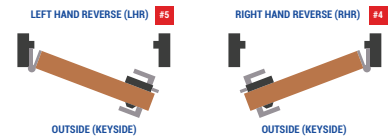


### SWINGING DOORS/GATES

#### INWARD OPENING HANDING CODES



#### OUTWARD OPENING HANDING CODES



# TO BE REPLACED WITH:  
0 FOR SURFACE MOUNTED - 1 FOR MORTISE MOUNTED



## SELF-CODING SYSTEM

The Moorgate (MG) modular devices have a simple ordering code that covers the chosen methods of entry and exit, followed by additional enhancements to further customize the device.

The device is easy to specify:

**Step 1. Bolt configuration**

**Step 2. Choose the required entry code**

**Step 3. Choose the required exit code**

**Step 4. Select handing and opening direction**

**Step 5. Select enhancements to customize and suit specific requirements**

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Number of bolts	Entry	Exit	Handing	Enhancements
<b>3</b> Center bolt and 2 hook bolts  <b>5</b> Center bolt, 2 hook bolts with top and bottom bolts	<b>0</b> No Entry Provision <b>1</b> Key and lever <b>2</b> Access Control	<b>0</b> No Exit <b>1</b> Key and lever <b>2</b> Access Control with lever <b>3</b> Thumbturn and lever <b>4</b> Panic Bar <b>5</b> Emergency exit lever	<b>1st Digit</b> <b>0</b> Surface Mounted <b>1</b> Mortise Mounted  <b>2nd Digit</b> <b>0</b> Non-handed <b>4</b> Right Hand Reverse <b>5</b> Left Hand Reverse <b>7</b> Right Hand <b>8</b> Left Hand	<b>K<sub>2</sub></b> External key release in case of power failure  <b>O<sub>0</sub></b> Factory supplied cylinder

Example system code:

DEVICE **MG** BOLTS **3** ENTRY **1** EXIT **5** HANDING **- 05 -** ENHANCEMENTS **K<sub>2</sub> O<sub>0</sub>**

The code MG315-05-K2O0 specifies a Moorgate 3-point twin-hook deadlocking system with key access and lever handle to enter and single motion egress with a lever handle to exit. The enhancement codes specify manual deadlocking (K2) and a factory supplied cylinder (O0).

Note: The "05" handing specifies surface mounted left hand opening.

## MOORGATE - ENHANCEMENTS AVAILABLE

CODE / DESCRIPTION	DESCRIPTION
H	External lever handle for passage function
H28	Stainless steel round tube panic bar
HS2	Basic hasp and staple w/o padlock
K0	Classroom function (manual deadlocking)
K2	External key override in case of power failure
M	Electric monitoring of bolt status
N	Electric monitoring of lock status
O <sub>(n)</sub>	Cylinder option code – n=0 factory supplied cylinder, other cylinder codes available in catalog
T2	Auxiliary hook unit (below handle)
T3	Auxiliary hook unit (above handle)
U2	Auxiliary hook unit and continue (below handle)
U3	Auxiliary hook unit and continue (above handle)

# CYLINDER GUARDS

External key cylinders are the most common method of access control. Enforcing a strict key-control policy may not be enough to keep unauthorized individuals out of your facility. In many instances, a screw driver, crow-bar, or even a hand gun are the only "key" an intruder needs to gain access to a secure location.

Surelock McGill cylinder guards protect against this kind of attack by encasing the key lock in a proprietary alloy of Stainless Steel. The key-way is protected against drilling and ballistic attack by a hardened rotating disc.



Basic



Enhanced



High



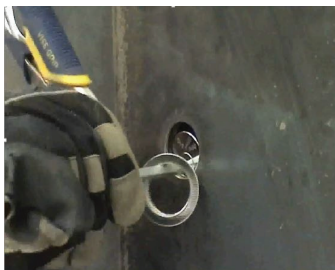
Extreme

## FEATURES

- Provides up to 60 minutes of resistance against physical attack
- Bullet resistant up to 7.62 x 51 armor piercing
- Suitable for most rim cylinder designs
- Easily integrates with mortise or surface mounted locks
- Corrosion resistant

## ORDER CODES

Product Range First 3 digits	Security Rating 4th digit	Cylinder Profile 5th digit	Mounting 6th digit	Mounting Plate 7th digit
<b>GSS</b> = Steel cylinder guard for surface mounted locks <b>GMS</b> = Steel cylinder guard for mortised locks	<b>3</b> = LPS 1175 SR3 <b>4</b> = LPS 1175 SR4 <b>5</b> = LPS 1175 SR5	<b>R</b> = for Rim Cylinders	<b>0</b> = No mountings supplied <b>4</b> = Supplied with 40mm(1.574") mountings to suit a 40mm(1.574") to 50mm(1.968") thick doors <b>5</b> = Supplied with 50mm(1.968") mountings to suit a 50mm(1.968") to 60mm(2.362") thick doors <b>6</b> = Supplied with 60mm(2.362") mountings to suit a 60mm(2.362") to 70mm(2.755") thick doors <b>7</b> = Supplied with 70mm(2.755") mountings to suit a 70mm(2.755") to 80mm(3.149") thick doors	<b>0</b> = Supplied without a mounting plate <b>1</b> = Supplied with a mounting plate



UNPROTECTED CYLINDER FAILING PUNCH ATTACK TEST



CYLINDER GUARD RESISTING DRILL ATTACK



CYLINDER GUARD RESISTING WEDGE/PRY ATTACK



CYLINDER GUARD RESISTING GRINDING ATTACK





Surelock McGill hinges are designed for heavy duty security, blast and ballistic doorsets. Offering unrivalled levels of load carrying capability our hinges have been successfully security tested to LPS1175: Security levels SR SR 2 and 3 on selected doorset. Unique hidden chamfered pins all manufactured from 316 stainless steel, the result is the highest quality hinges that you can rely on. Additional internal linear bearings combined with thrust bearings between each knuckle, ensures long and trouble free operation. Our enhanced security knock-in hinge pin arrangement is included with the 'A' version of the HA6 and HA7 hinges.

### Technical information:

- Strength to support heavy loading
- Robust to withstand a long life of heavy use
- Stainless steel centre pin
- Sealed top and bottom knuckles
- Bearings within and between each knuckle

### Finish:

- Brushed stainless steel (as standard)
- 316 Polished stainless steel
- Bronze lacquer finish
- Brass lacquer finish

Additional finishes available on request

### HA6

HA6 - 100mm security hinge



### HA7

HA7 - 146mm security hinge



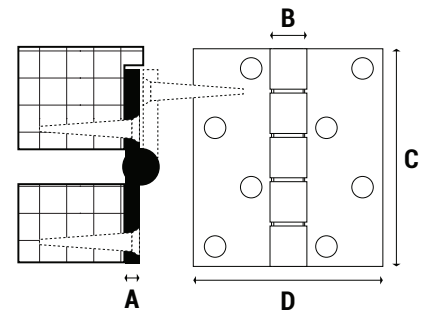
### HA8

HA8 - 210mm security hinge



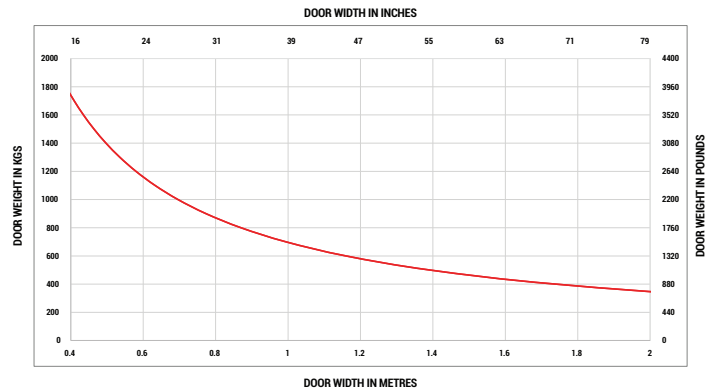
### NOMINAL HINGE DIMENSIONS MM (INCH)

HINGE CODE	A	B	C	D	CENTRE PIN DIA	FIX SCREW DIA
HA6	8 (0.314)	19 (0.748)	100 (3.937)	99 (3.897)	9.5 (0.374)	6 (0.236)
HA7	10 (0.393)	22.2 (0.874)	146 (5.748)	102.2 (4.023)	12.5 (0.492)	6 (0.236)
HA8	12 (0.472)	32 (1.259)	210 (8.267)	132 (5.196)	19 (0.748)	10 (0.393)



## LOADING CHART

The following chart is a guide for maximum door sizes and weights and a door height of 2.2 metres (7.218') using three hinges equally spaced.



## HA6-A

supplied with knock-in hinge pins

## HA6-B

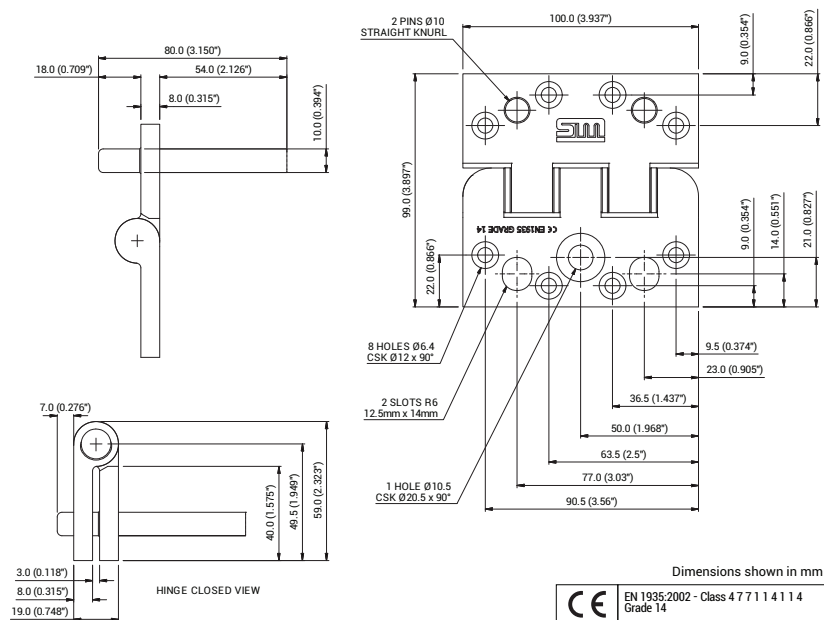
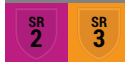
as HA6-A but supplied without knock-in hinge pins

### Five-knuckle Security Hinge

#### Technical information:

- Strength to support heavy loading
- Robust to withstand a long life of heavy use
- Sealed top and bottom knuckles
- Bearings within and between each knuckle maintenance free operation
- 10mm (0.393") hardware fixing hole for enhanced security fixing
- Tested to over 1 million cycles
- CE marked BSEN 1935:2002

LPS 1175 SECURITY RATING  
(on selected doorsets)



## Custom Finishes

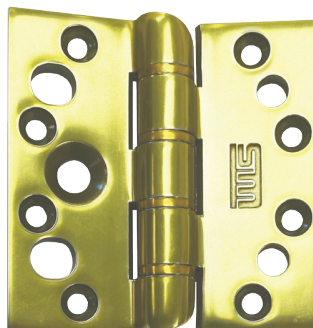
Finishes available on hinges such as:

### Polished Stainless Steel



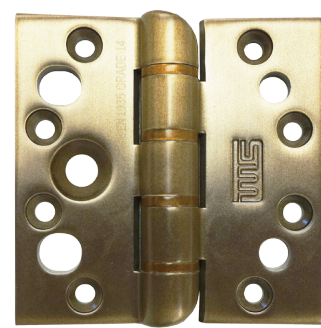
HA6 - A - S  
HA6 - B - S  
Dimensions shown in mm

### Brass lacquer finish



HA6 - A - J15  
HA6 - B - J15

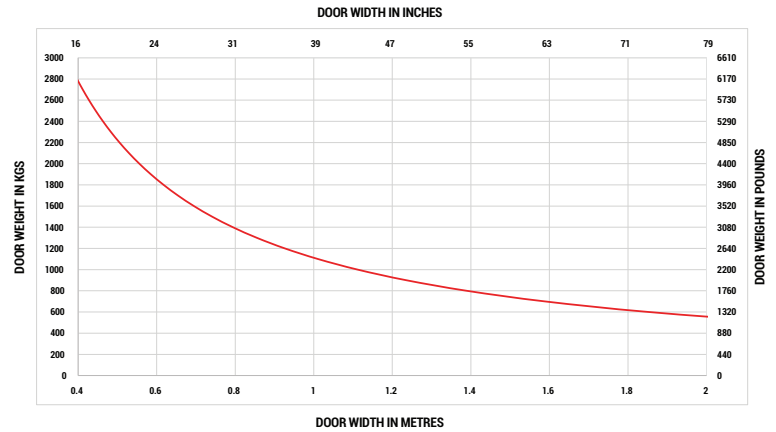
### Bronze lacquer finish



HA6 - A - J16  
HA6 - B - J16

## LOADING CHART

The following chart is a guide for maximum door sizes and weights and a door height of 2.2 metres (7.218') using three hinges equally spaced.



## HA7-A

supplied with knock-in hinge pins

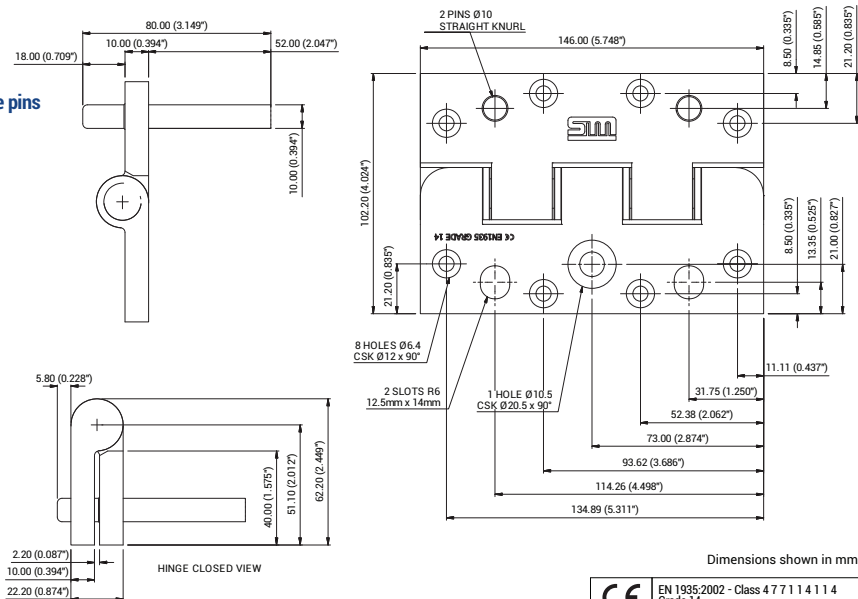
## HA7-B

as HA7-A but supplied without knock-in hinge pins

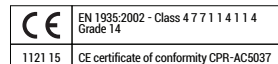
### Five-knuckle Security Hinge

#### Technical information:

- Strength to support heavy loading
- Robust to withstand a long life of heavy use
- Sealed top and bottom knuckles
- Bearings within and between each knuckle maintenance free operation
- 10mm (0.393") hardware fixing hole for enhanced security fixing
- Tested to over 1 million cycles
- CE marked BSEN 1935:2002



LPS 1175 SECURITY RATING  
(on selected doorsets)



## Custom Finishes

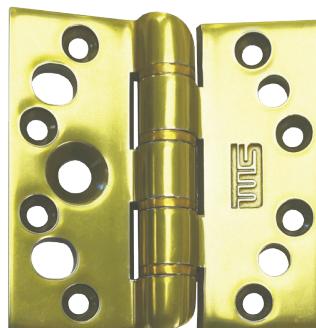
Finishes available on hinges such as:

Polished Stainless Steel



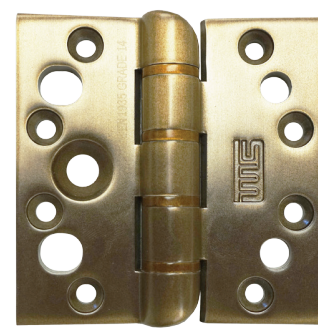
HA7 - A - S  
HA7 - B - S

Brass lacquer finish



HA7 - A - J15  
HA7 - B - J15

Bronze lacquer finish



HA7 - A - J16  
HA7 - B - J16

## HA8

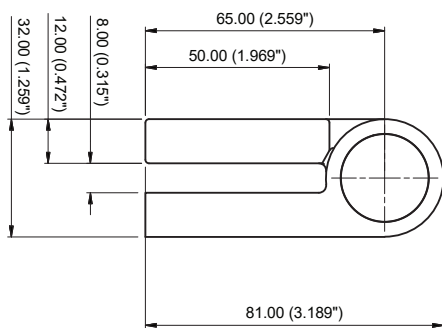
### Five-knuckle Security Hinge

#### Technical information:

- Strength to support heavy loading
- Robust to withstand a long life of heavy use
- Sealed top and bottom knuckles
- Bearings within and between each knuckle
- Maintenance free operation



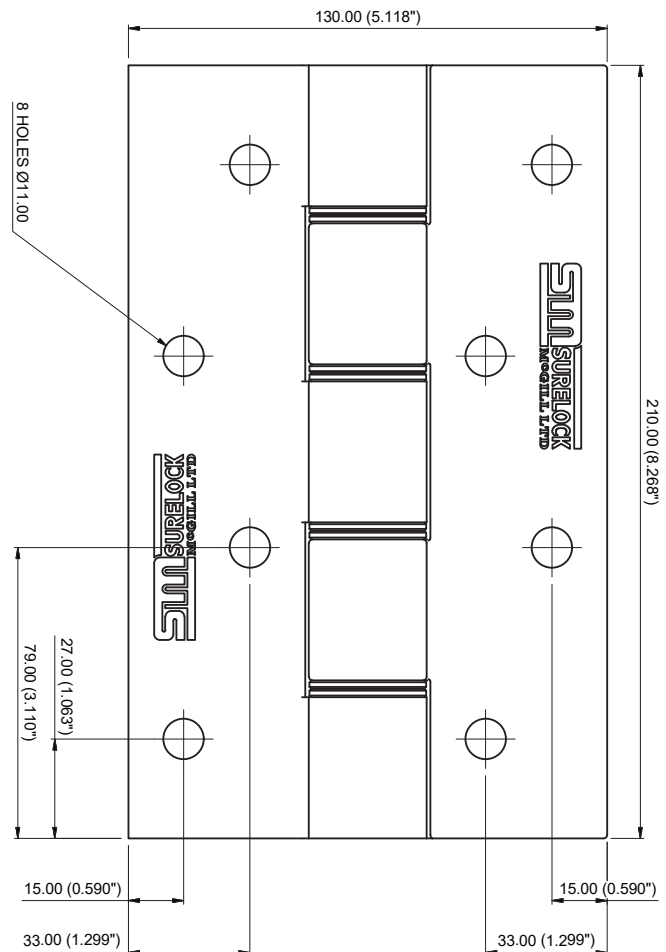
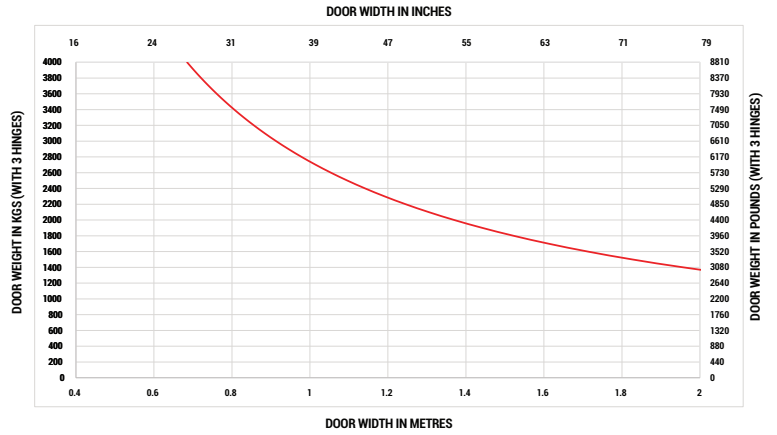
Finish - brushed stainless steel



Dimensions shown in mm

### LOADING CHART

The following chart is a guide for maximum door sizes and weights and a door height of 2.2m(86.614") using three hinges equally spaced.



# HASP AND STAPLE

The Hasp and Staple is an external, padlock capable device that is compatible with many internal lever and panic exit devices.

When the hasp is secured with a padlock, the unique design offers single motion egress from the inside of the building providing both physical and operational security for sensitive areas.

The Hasp and Staple is designed to protect against multiple methods and levels of physical and ballistic attack.



## OPERATION:

**Entry** - Remove the padlock and lift the hasp and turn. System locking bolts will retract.

**Exit** - Push panic exit bar/plate or lever. Internal hardware will still operate when the Hasp & Staple is externally pad locked.

## FEATURES:

- Compatible with a multitude of padlocks
- Manufactured from grade 316 stainless steel
- Operates with almost any surface mounted exit device
- Non-handed

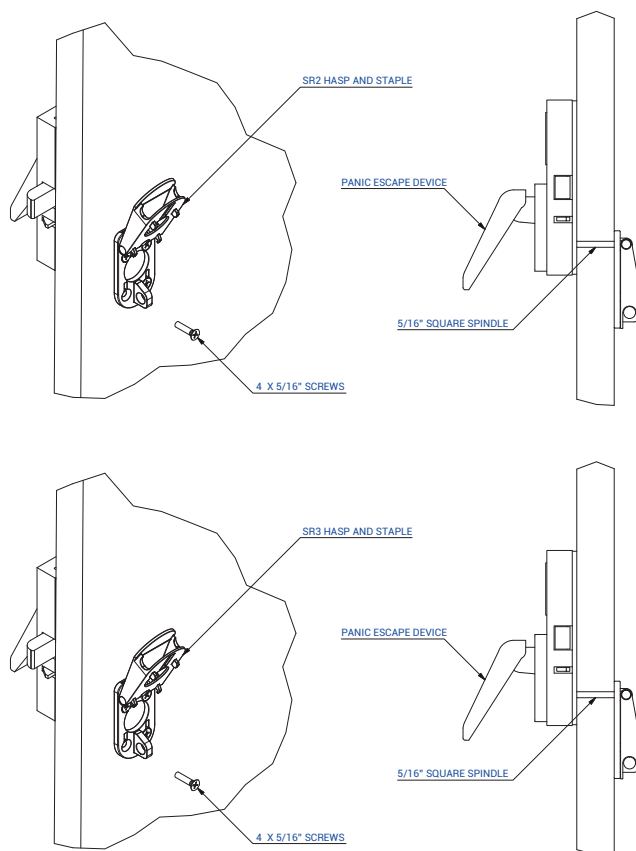
## BENEFITS:

- Tested on specific doorsets up to LPS 1175: SR3
- Simple operation

## ORDER CODES:

HS2 - SR2

HS3 - SR3



Above performance results are based on independent third party testing or assessment on selected doorsets

### ENTRY METHODS:



Hasp & Staple

### EXIT METHODS:



Push Plate



Straight Lever

Surelock McGill design and manufacture a selection of heavy duty bolts that serve a wide range of applications. Including models that have been tested and approved to the highest levels of forced entry and blast protection in the commercial and government markets.

They offer easy installation and provide protection for the inactive leaf of a double-door or physical security in an area that does not require emergency egress or entry.



## FEATURES:

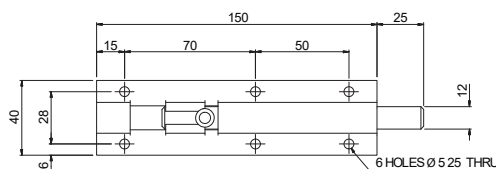
- 19mm(0.75") DIA 316 Grade stainless steel bolt
- Fits most 6.3mm(0.25") shackles
- Strike configurations for in and out swing doors
- Cast through bolt mounting brackets
- Vertical or horizontal mounting
- Operating extensions for taller doorsets
- Padlock option available for enhanced security

## BENEFITS:

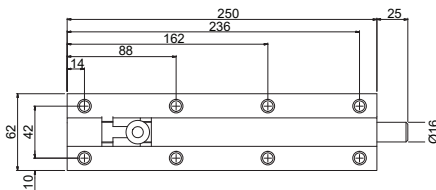
- Tested on specific doorsets up to LP1175:SR4
- Door is secure when bolt is extended into guide bracket
- Suitable for use on both timber and steel doorsets
- Optional remote monitoring of bolt status available on complete doorsets

### Nominal Barrel Bolt Dimensions (mm)

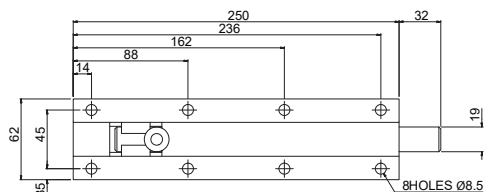
Bolt Range	Bolt	Bolt Throw	Plate Width (exc. throw)	Plate Length
TD	12	25	150	40
TB	16	25	252	62
TC	19	32	252	62



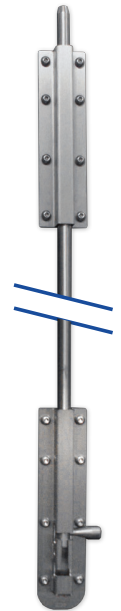
TD - 12mm



TB - 16mm



TC - 19mm



## SELF-CODING SYSTEM

The Barrel Bolt ancillary product range has a simple ordering code that covers the bolt throw, keeps and additional enhancements to further customise the device.

The device is easy to specify:

**Step 1. Bolt range**

**Step 2. Choose the required strikes and guides**

**Step 3. Select enhancements to customize and suit specific requirements**

### STEP 1

### STEP 2

### STEP 3

Range	Strikes & Guides	Enhancements
TD	SA.12 Guide bracket/strike & base plate SC.12 Outward opening strike SD.12 Inward opening strike SF.12 Dust-free floor strike	B <sub>n</sub> Packing in 1mm increments E <sub>n</sub> Height increment N Number of 1000mm increments
TB	SA.00 Guide bracket/strike & base plate SC.00 Outward opening strike SD.00 Inward opening strike SF.00 Dust-free floor strike	F <sub>0</sub> Padlock option (padlock not included) W <sub>3</sub> Mounting machine screw
TC	SA.12 Guide bracket/strike & base plate SC.12 Outward opening strike SD.12 Inward opening strike SF.12 Dust-free floor strike	



Above performance results are based on independent third party testing or assessment on selected doorsets

# SURFACE MOUNTED DOOR STAYS

The surface mounted stainless steel door stay range has been designed to control the degree of opening with an inbuilt springing system to absorb shocks when the door is forcibly opened.

With brackets and arms manufactured entirely from Grade 316 stainless steel the stays are recommended on doors which are subject to high usage or where external doors open out to hostile weather conditions such as strong winds.

## FEATURES:

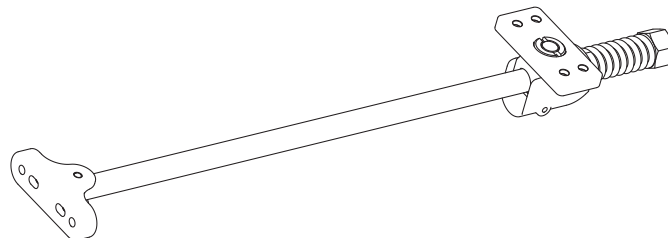
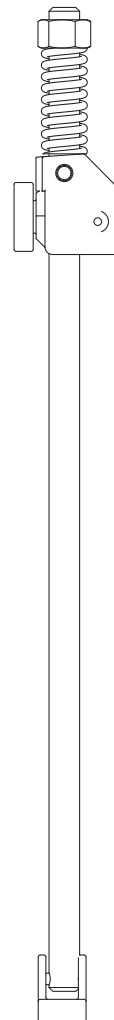
- Each door stay can be fastened in position to suit degrees of opening ranging from 90° - 110°
- The hold open tension can be easily adjusted on site
- Manufactured using Grade 316 stainless steel
- A variety of arm lengths available to suit varying door leaf width
- Diameter of Medium duty 100 series is 12mm and for the Heavy duty is 16mm
- Heavy duty 200 series suitable for heavy or wide doors subject to more treacherous conditions
- Stainless steel machine screws for steel doorset applications or woodscrew fixings for timber doorsets available on request

## BENEFITS:

- Tested to 1 million cycles
- Tested on specific doorsets up to LPS 1175:SR6

## ORDER CODES:

PRODUCT CODE	ARM LENGTH	DESCRIPTION
<b>Medium Duty 100 Series</b>		
M140	15 3/4" (400mm)	To suit door widths 21 to 27.5" (550mm - 700mm)
M150	19 11/16" (500mm)	To suit door widths 27.5 to 35" (701mm - 900mm)
M160	23 5/8" (600mm)	To suit door widths 35 to 41" (901mm - 1050mm)
M170	27 9/16" (700mm)	To suit door widths 41 to 47" (1051mm - 1200mm)
<b>Heavy Duty 200 Series</b>		
H240	15 3/4" (400mm)	To suit door widths 21 to 27.5" (550mm - 700mm)
H250	15 3/4" (500mm)	To suit door widths 27.5 to 35" (701mm - 900mm)
H260	23 5/8" (600mm)	To suit door widths 35 to 41" (901mm - 1050mm)



Above performance results are based on independent third party testing or assessment on selected doorsets

# PHYSICAL SECURITY FROM THE LEADER IN THE FIELD

## OFFERING MULTI-THREAT PROTECTION



CYLINDER PROTECTION



BLAST



BALLISTIC



PHYSICAL SECURITY



FIRE



WIND STORM

## THE SECTORS WE SECURE



DEFENCE



HOSPITALS & PRISONS



GOVERNMENT



LAW ENFORCEMENT



GAS



DATA CENTERS



RETAIL



NUCLEAR



WIND



WATER



OFFSHORE / PETROCHEM



TELECOMS



BANKING



CASH IN TRANSIT



ATMs



AIRPORTS



RAIL



EDUCATION



ELECTRICITY



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FEMA

