

The Slimline range is a high performance multi-point locking system, tested and certified to multiple international standards against forced entry, blast, ballistic and fire protection. Slimline has been engineered to provide multiple entry and exit methods, making the range incredibly versatile and suitable for most applications.

Entry includes key, access control, or combination lock with lever handle, or complete hands-free motorised remote operation. A choice of controlled, or life-safety panic/emergency exit is available to meet a wide range of egress requirements. Manufactured in 316 stainless steel for hostile environments and durability.

## FEATURES

- Available for mortice, or surface mounted
- 2 to 7 point bolting positions\*
- 15 mm (5/8") bolts x 25 mm (1") throw
- 316 grade stainless steel construction for hostile environments and durability
- Proven rack & pinion driven
- Tested to over 1,000,000 cycles
- To suit rim and profile cylinders (order cylinder separately)

## BENEFITS

- Choice of securing upon door closure (automatic or manual)
- Certified to a range of international standards (see Product Performance Chart)
- Engineered for longevity and trouble-free service
- Provides the greatest selection of operational functionality

## OPTIONAL ENHANCEMENTS

- Monitoring of bolt & lock status
- Request to Exit (REX)
- External key override in case of power failure (order cylinder separately to activate)
- Cylinder guard protection available from our tested and accredited range
- Breakdome over thumbturn and lever handle to control exit
- Further enhancements are available

\*Single-Point available

## PRODUCT PERFORMANCE CHART

☐ Indicates product has been certified, or tested & approved as part of a complete doorset assembly. Product certification is subject to the chosen lock configuration, for full details please contact the sales office.



LPCB LPS 1175										ISSUE 7	FEBR	EN 1627	STS 202	PAS 24	SRB	SAFETY	BALLISTIC EN 1522	BLAST ISO 16933	FIRE	CORROSION	SEISMIC TESTED	CYCLES
ISSUE 8																						
TIME	TOOLS								SR 1-8													
	A	B	C	D	E	F	G	H														
20 MIN									UP TO SR6	60 MINS	RC6	BR3	PAS 24	SRB	EN 1125	FB7	EXV 25	UL 10C	EN 1670:GR5	SEISMIC TESTED	1 MILLION	
15 MIN										45 MINS	RC4	BR2			EN 179	FB6	EXV 15	EN 1634-1	EN 1670:GR4		200K	
10 MIN	A10	B10	C10	D10	E10					30 MINS	RC3	BR1			UL 305	FB5		EN 1670:GR3				
5 MIN						F5	G5			15 MINS	RC2					FB4	CERTIFIRE	EN 1670:GR2				
3 MIN										5 MINS	RC1					FB3	EN 1670:GR1					
1 MIN																						



## ENTRY FUNCTION (OPTIONS)

<b>KEY &amp; LEVER HANDLE</b>	Key to unlock & lever handle to release
<b>ACCESS CONTROL</b>	Access control to unlock & lever handle to release
<b>MOTORISED</b>	Single remote activation to unlock & release
<b>COMBINATION LOCK</b>	Combination to unlock & lever handle to release
<b>LOCKABLE OPERATOR</b>	External key lockable lever handle/hasp for panic exits

## EXIT FUNCTION (OPTIONS)

<b>PANIC BAR</b>	Life-safety panic exit
<b>EMERGENCY – PUSH PAD</b>	Single operation exit
<b>EMERGENCY – LEVER HANDLE</b>	Single operation exit
<b>KEY &amp; LEVER HANDLE</b>	Key to unlock & lever handle to release
<b>THUMBTURN &amp; LEVER HANDLE</b>	Thumbturn to unlock & lever handle to release
<b>BREAK DOME &amp; LEVER HANDLE</b>	Break dome & thumbturn to unlock & lever handle to release
<b>ACCESS CONTROL &amp; LEVER HANDLE</b>	Access control to unlock & lever handle to release
<b>MOTORISED</b>	Single remote activation to unlock & release

## LOCK FUNCTION (OPTIONS)

<b>AUTO DEADLOCKING</b>	Automatic deadlocking upon door closure (Storeroom function)
<b>MANUAL DEADLOCKING</b>	Manual deadlocking upon door closure (Classroom function)
<b>NO DEADLOCKING</b>	Panic & emergency exit only

## BOLT FUNCTION (OPTIONS)

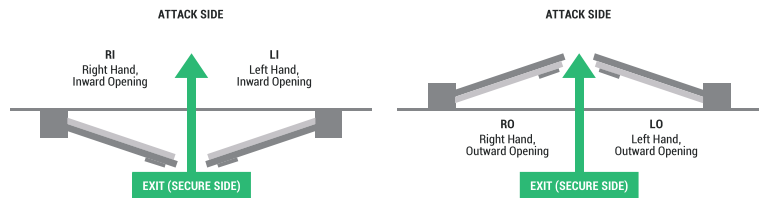
<b>AUTO BOLTING</b>	Automatic bolting upon door closure
<b>MANUAL BOLTING</b>	Manual bolting



## SELF CODING SYSTEM

The Slimline (SL) and mortice version (SM) has a structured ordering code that covers the chosen methods of entry, exit and securing, followed by the mounting and orientation codes, additional enhancements can be added to further customise the device.

**EXAMPLE ORDER CODE: SL3A-AMLS-AA-LMLE**



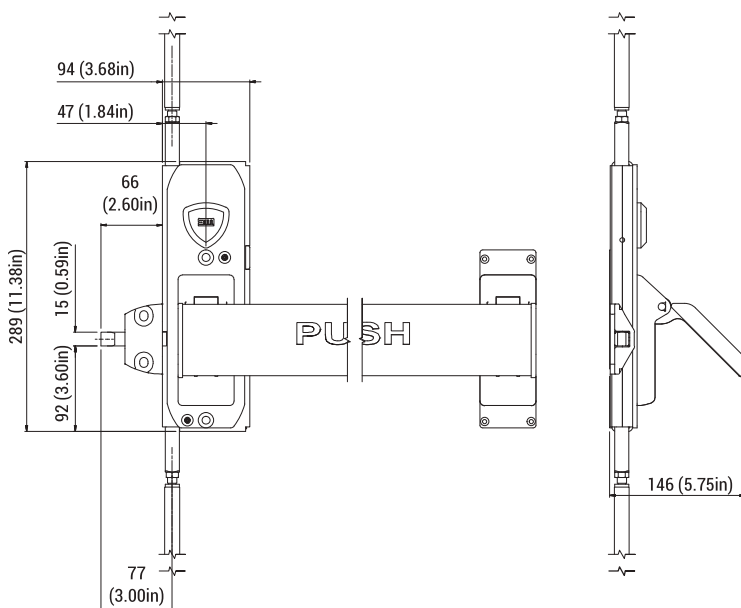
PRODUCT			ENTRY		SECURING		EXIT	
RANGE	BOLTS		UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
SL	Surface	2-7	X	None	AA	Auto bolting / Auto deadlocking	X	None
SM	Mortice	2-7	K	Key	AM	Auto bolting / Manual deadlocking	K	Key
<b>BOLT DIRECTION</b>			H	Lockable handle (Key / Padlock)	AB	Auto bolting only	A	Access control
A	Vertical bolts, Horizontal bolt		A	Access control	MA	Manual bolting / Auto deadlocking	T	Thumbturn
B-E	Other variants		C	Combination	MM	Manual bolting / Manual deadlocking	L	Single Handed / Panic - Emergency
			L	Single Handed / Panic - Emergency	MB	Manual bolting only	<b>BOLT RETRACTION</b>	
			<b>BOLT RETRACTION</b>				X	None
			X	None			M	Manual
			M	Manual			P	Powered (Electric)
			P	Powered (Electric)			<b>OPERATOR</b>	
			<b>OPERATOR</b>				XX	None
			XX	None			LS	Lever handle (Tubular straight)
			LS	Lever handle (Tubular straight)			LE	Lever handle (Tubular ergonomic)
			US	Profile handle (Straight)			US	Profile handle (Straight)
			UC	Profile handle (Straight clutched)			UE	Profile handle (Ergonomic)
			LH	Lockable handle			UC	Profile handle (Straight clutched)
			PB	Panic bar (Blade aluminium)			PB	Panic bar (Blade aluminium)
			PE	Panic bar (Tubular st/st)			PE	Panic bar (Tubular st/st)
			PP	Push pad			PP	Push pad
			PS	Push pad (Stainless steel)			PS	Push pad (Stainless steel)

EXAMPLE BOLT DIRECTIONS						See coding chart above for reference
No Bolts (2) Direction (A)	No Bolts (3) Direction (A)	No Bolts (3) Direction (B)	No Bolts (3) Direction (C)	No Bolts (4) Direction (A)	No Bolts (5) Direction (A)	

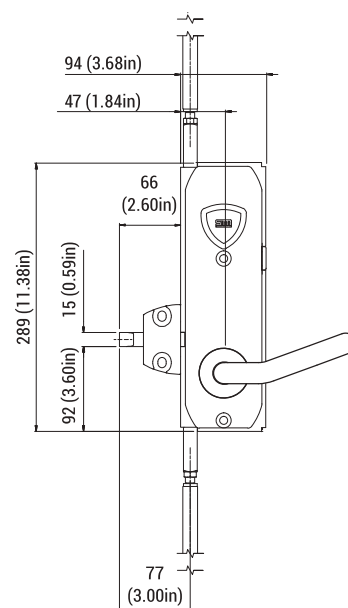
EXAMPLE ENTRY/EXIT DIRECTIONS					See coding chart above for reference
Entry (XXXX) Exit (KMLS)	Entry (KMLS) Exit (TMLS)	Entry (AMLS) Exit (AMLS)	Entry (CMLS) Exit (LMLE)	Entry (HMLH) Exit (LMPB)	

For further ENTRY and EXIT methods & a full range of enhancements please contact our sales office.

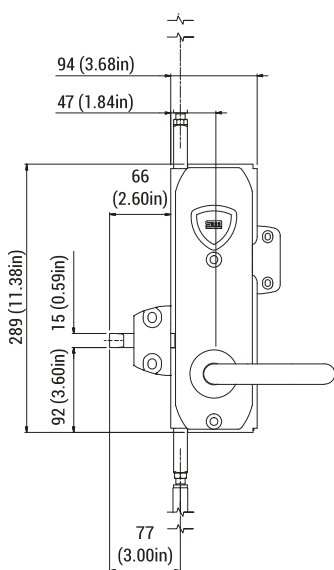
## SLIMLINE TECHNICAL DRAWINGS



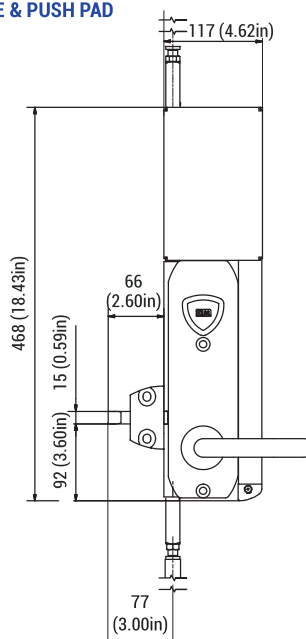
SLIMLINE PANIC BLADE & PUSH PAD



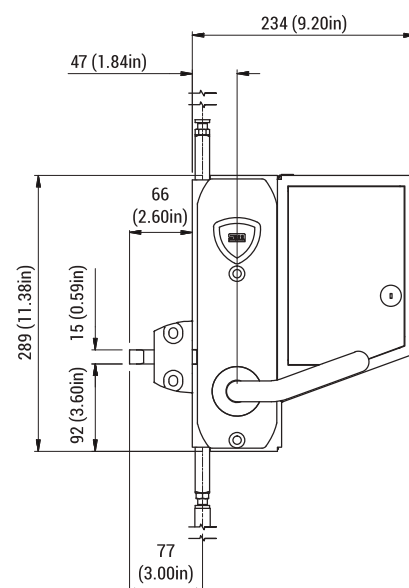
SLIMLINE EMERGENCY LEVER HANDLE



SLIMLINE ACCESS CONTROL



SLIMLINE MOTORISED BOLT RETRACTION



SLIMLINE COMBINATION LOCKING

## SLIMLINE ACCESS CONTROL & MOTORISED POWER CONSUMPTION

SYSTEM	OPTION CODE	VOLTAGE	POWER CONSUMPTION PER SOLENOID	CURRENT DRAW PER SOLENOID	RECOMMENDED POWER SUPPLY	
					SINGLE SOLENOID	TWIN SOLENOID
12 V – Energise to unlock	R00 (Standard)	12 V	10 W	0.8 A	12 V 1.5 A	12 V 2.0 A
24 V – Energise to unlock	R01	24 V	10 W	0.4 A	24 V 1.0 A	24 V 1.5 A
12 V – Energise to lock	R02	12 V	10 W	0.8 A	12 V 1.5 A	12 V 2.0 A
24 V – Energise to lock	R03	24 V	10 W	0.4 A	24 V 1.0 A	24 V 1.5 A

SYSTEM	POWER CONSUMPTION	CURRENT DRAW	POWER CONSUMPTION PER SOLENOID
Slimline delayed egress	20 W	1.67 A	12 V 3 A (240 V ac) power supply provided with lock
Slimline motorised	48 W	2 A	24 V 2 A (110 V to 240 V ac) power supply provided with lock

There are three basic tiers of blast protection offered by the Slimline range. Each level has been tested on selected doors to at least 100kg of TNT at selected distances in line with ISO 16933:2007 to provide the following calculated blast protection levels.

SYSTEM	MAXIMUM LOAD CAPACITY PER SHOOTBOLT (Including 20% safety factor)					
	Category 1 Limit		Category 2 Limit		Category 3 Limit	
Slimline (Standard)	12.4 kN	2788 lbf	20.8 kN	4676 lbf	24.4 kN	5485 lbf
Slimline D15	20.8 kN	4676 lbf	24.9 kN	5598 lbf	35.3 kN	7935 lbf
Slimline D25	97.9 kN	22008 lbf	122.6 kN	27560 lbf	236 kN	53053 lbf

## SLIMLINE STANDARD BLAST LEVEL

LOCKING SYSTEM	PEAK PRESSURE (CATEGORY 3 RESPONSE)	
	kPa	psi
3-Point Outward Opening	70	10.1
5-Point Outward Opening	114	16.5
3-Point Inward Opening	42	6
5-Point Inward Opening	68	9.8

## SLIMLINE ENHANCED BLAST LEVEL (OPTION D15)

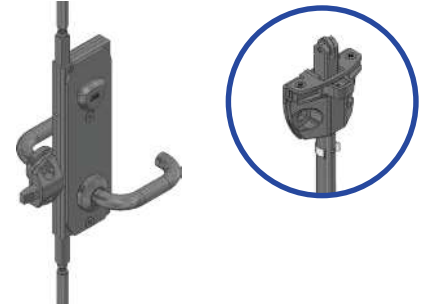
LOCKING SYSTEM	PEAK PRESSURE (CATEGORY 3 RESPONSE)	
	kPa	PSI
3-Point Outward Opening	102	14.7
5-Point Outward Opening	166	24
3-Point Inward Opening	61	8.8
5-Point Inward Opening	99	14.3

## SLIMLINE HIGH BLAST LEVEL (OPTION D25)

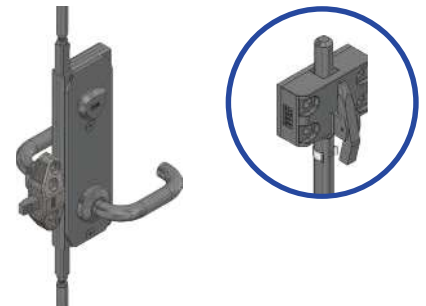
LOCKING SYSTEM	PEAK PRESSURE (CATEGORY 3 RESPONSE)	
	kPa	PSI
3-Point Outward Opening	681	98.7
5-Point Outward Opening	1108	160.7
3-Point Inward Opening	408	59.1
5-Point Inward Opening	664	96.3

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

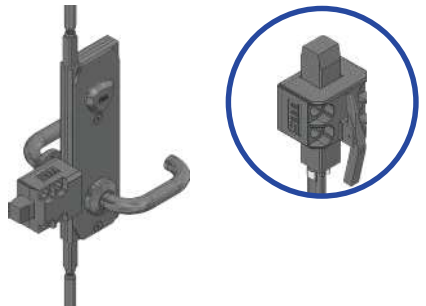
### STANDARD



### ENHANCED BLAST LEVEL (D15)



### HIGH BLAST LEVEL (D25)



## 3-POINT SLIMLINE SYSTEMS (CODE SL3A PLUS ENHANCEMENT CODE)

STANDARD BLAST SYSTEM  
CODE: SL3A



ENHANCED BLAST SYSTEM  
CODE: SL3A (WITH OPTION D15)



HIGH BLAST SYSTEM  
CODE: SL3A (WITH OPTION D25)



## 5-POINT SLIMLINE SYSTEMS (CODE SL5A PLUS ENHANCEMENT CODE)

STANDARD BLAST SYSTEM  
CODE: SL5A



ENHANCED BLAST SYSTEM  
CODE: SL5A (WITH OPTION D15)



HIGH BLAST SYSTEM  
CODE: SL5A (WITH OPTION D25)

