

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.



SECURITY														SAFETY	BALLISTIC	BLAST	FIRE	CORROSION	CYCLES					
LPS 1175								LPS 1673 (AR.)					FEBR (min)							EN 1627	STS 202	PAS 24	LPS 2081	
Issue 7	SR1	SR2	SR3	SR4	SR5	SR6	SR7																	SR8
Issue 8	A	B	C	D	E	F	G	H	TIME	A	B	C	D	60	RC6	BR6	PAS 24	SRB	EN 1125	EN 1522 FB7	ISO 16933 EXV 15	UL 10C	GR5	1 MIL
20 MIN	A20	B20	C20	D20	E20	F20	G20		300 SEC	A300E	B300E	C300E	D300E		RC5	BR5			EN 179	UL 752 Level 10		EN 1634-1	GR4	500K
15 MIN									240 SEC					15	RC4	BR4		SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	Certifire	GR3	
10 MIN									180 SEC						RC3	BR3	UL 305				BS 476-22	GR2	200K	
5 MIN									120 SEC					5	RC2	BR2					GR1			
3 MIN									60 SEC						RC1	BR1								
1 MIN									30 SEC															

ENTRY FUNCTION (OPTIONS)

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

EXIT FUNCTION (OPTIONS)

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

LOCK FUNCTION (OPTIONS)

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

BOLT FUNCTION (OPTIONS)

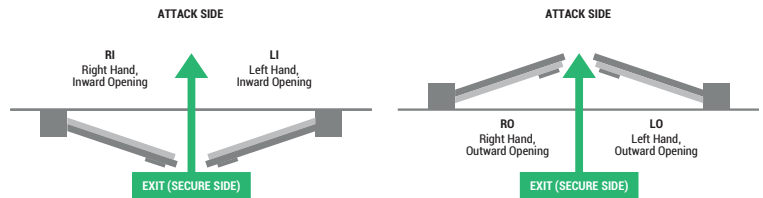
AUTO BOLTING	Automatic bolting upon door closure
MANUAL BOLTING	Manual bolting



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



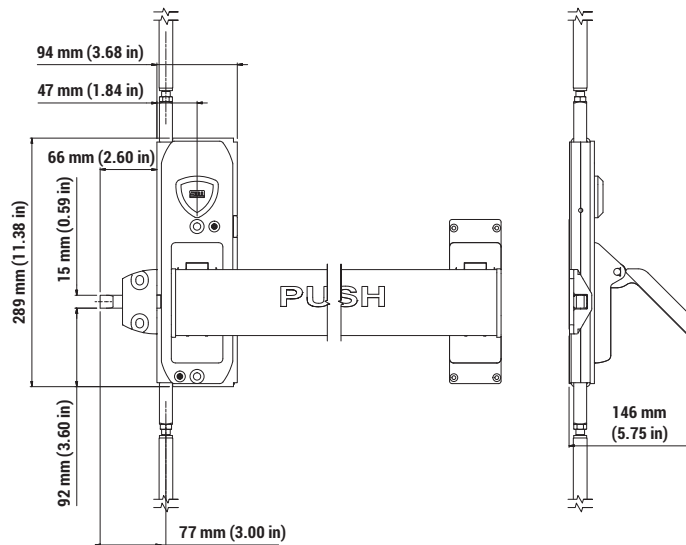
PRODUCT			ENTRY		SECURING		EXIT	
RANGE	BOLTS		UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
SL	Surface	2-7	X	None	AA	Auto bolting / Auto deadlocking	X	None
SM	Mortice	2-7	K	Key	AM	Auto bolting / Manual deadlocking	K	Key
BOLT DIRECTION			H	Lockable handle (Key / Padlock)	AB	Auto bolting only	A	Access control
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	BOLT RETRACTION	
			BOLT RETRACTION				X	None
			X	None			M	Manual
			M	Manual			P	Powered (Electric)
			P	Motorised Bolt Retraction			OPERATOR	
			OPERATOR				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)	

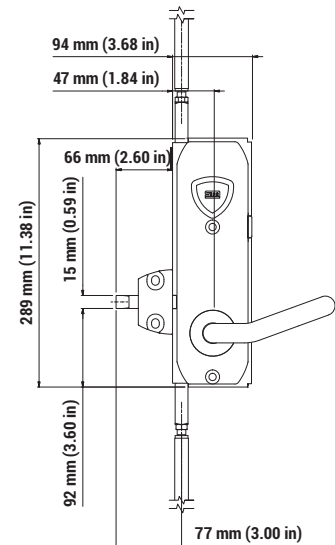
EXAMPLE ENTRY/EXIT DIRECTIONS					See coding chart above for reference
Entry (XXXX) Exit (KMLS)	Entry (KMLS) Exit (TMLS)	Entry (AMLS) Exit (AMLS)	Entry (CMLS) Exit (LMLE)	Entry (HMLH) Exit (LMPB)	

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

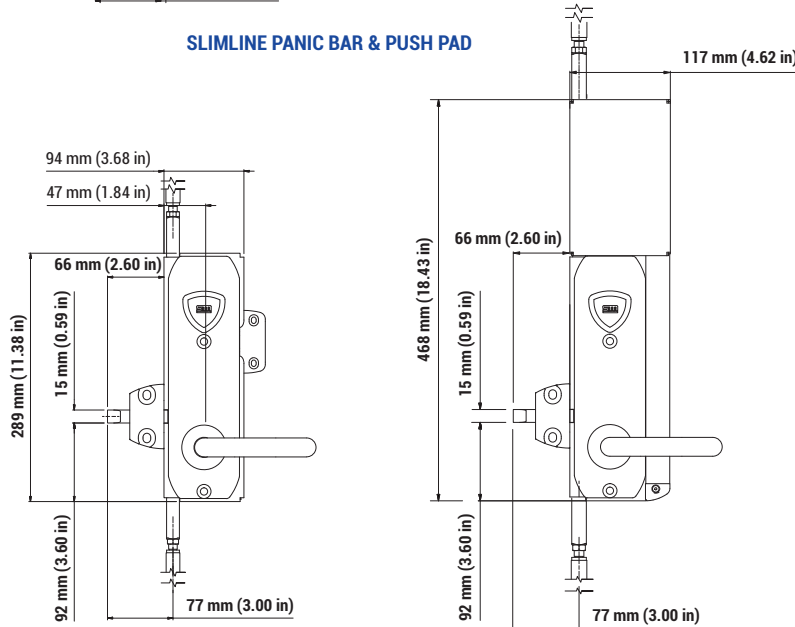
SLIMLINE TECHNICAL DRAWINGS



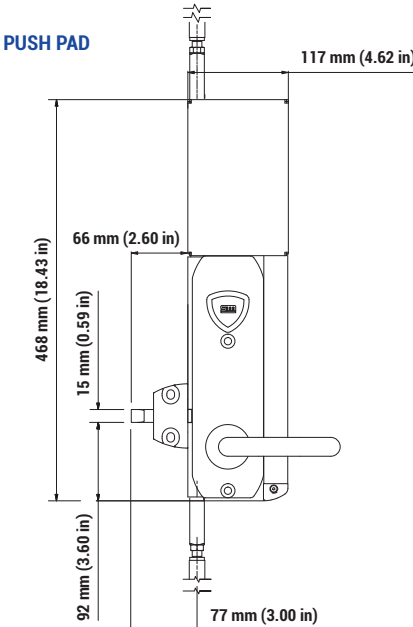
SLIMLINE PANIC BAR & PUSH PAD



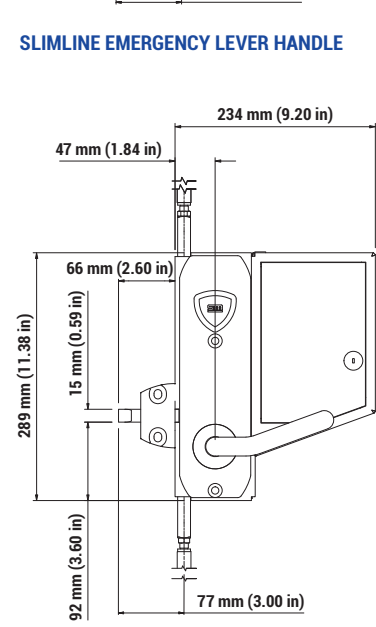
SLIMLINE EMERGENCY LEVER HANDLE



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
12V – Energise to unlock	R00 (Standard)	12V	10W	0.8A	12V 1.5A	12V 2.0A
24V – Energise to unlock	R01	24V	10W	0.4A	24V 1.0A	24V 1.5A
12V – Energise to lock	R02	12V	10W	0.8A	12V 1.5A	12V 2.0A
24V – Energise to lock	R03	24V	10W	0.4A	24V 1.0A	24V 1.5A

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

Intellectual Property Rights

All Surelock products are the subject to intellectual property rights. These include pending and approved patent and design rights, in particular to the Slimline: EP2311/2115252, US8616591, GB2213884.6, US12559984, GB2213003.3, US12312838B2, GB2317140.8 & US18/938827. In accordance with our policy of continual development and improvement we reserve the right to make changes in design and specifications without notice.

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)

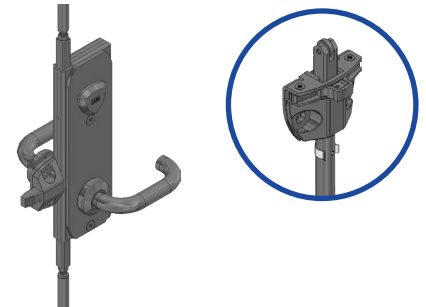
LOCKING SYSTEM	PEAK PRESSURE (CATEGORY 3 RESPONSE)	
	kPa	PSI
3-Point Outward Opening	102	14.7
5-Point Outward Opening	166	24
3-Point Inward Opening	61	8.8
5-Point Inward Opening	99	14.3

SLIMLINE HIGH BLAST LEVEL (OPTION D25)

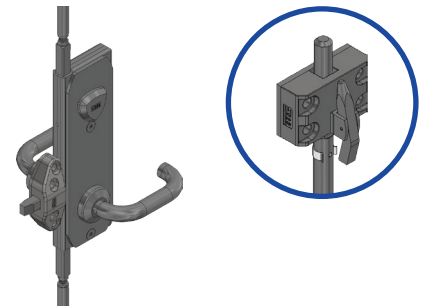
LOCKING SYSTEM	PEAK PRESSURE (CATEGORY 3 RESPONSE)	
	kPa	PSI
3-Point Outward Opening	681	98.7
5-Point Outward Opening	1108	160.7
3-Point Inward Opening	408	59.1
5-Point Inward Opening	664	96.3

* 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.

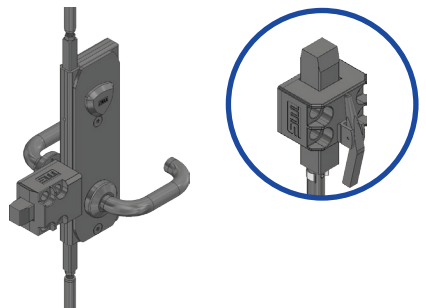
STANDARD



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)

