

[Securing the people
who secure the country]

GLOBAL LOCKING SOLUTIONS



SURELOCK MCGILL GROUP

Surelock McGill Group products have been specified to secure the highest profile locations globally, protecting people and national infrastructures around the world for nearly 60 years. Intensive research and development underpins the design and manufacture of high security locking solutions for a demanding, and highly sensitive market.

Our emphasis on testing has provided our products with international accreditation for both security and life-safety. This is why we are the world's leading specialist in protection against physical and surreptitious attack, ballistic and blast, together with fire and acoustic solutions.

Our superbly-designed and robust products are due in part to many years of supporting offshore oil and gas exploitation. The requirements for the offshore environment means that our products are designed and tested for longevity and high resistance to corrosion.

Our locking systems and associated door furniture provide the widest range of products to meet the often-conflicting requirements of ensuring both security and life-safety. We provide comprehensive solutions for a wide range of customers, including:

- Embassies, government, and defence establishments
- Electricity, nuclear, gas and water facilities
- Telecommunications & data centres
- Petrochemical & offshore exploration
- Air and sea ports, plus rail infrastructure
- Secure hospitals, prisons, health and scientific laboratories
- Heritage sites & museums
- Finance, cash-in-transit, retail and commercial buildings
- Natural hazards, seismic shock, and tornadoes

THE 'SURELOCK' & 'MICO' BRANDS

SURELOCK

Solutions for all requirements of high-risk protection, offering the greatest choice of combined accreditations to meet the most demanding of international standards in both security and life-safety. Maximising on the choice of operational sequencing and products tested to 1,000,000 cycles to ensure performance and longevity is fully assured. Manufactured in 316 stainless steel to meet the harshest of environments.

MICO

High performance security locking systems to meet the most popular of commercial applications requiring accredited security levels. A restricted choice of operational selections enable MICO products to be simple to select, fast to install and delivered with a short lead time. Manufactured in stainless steel for harsh environments and durability.

TECHNICAL SUPPORT

We have a knowledgeable technical and sales team who are always available to help with the selection of the correct product to suit your specific requirements.



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SINGLE-POINT v MULTI-POINT LOCKING

Consideration when choosing a locking system should be made for the required security level & complexity of threat, ease of installation, plus a choice of entry and exit methods.

In this catalogue there are straight forward systems for simple security protection, to sophisticated systems that protect against high level threats ranging from outright terrorist attack to surreptitious incursions.

SINGLE-POINT

Single-Point high performance locks, stainless steel construction suitable for a variety of hostile environments. Simple to fit and offering high security protection. Suitable for doors and gates, with a choice of entry and exit solutions, plus enhancements to suit your individual operational requirements.

MULTI-POINT

Multi-Point high performance locks, stainless steel construction suitable for a variety of hostile environments. Normally surface mounted, with concealed (mortice) fitted options available. Meets base, enhanced and high security level risks. Suitable for protection against physical, blast, ballistic and acoustic threats. Multiple bolts spread the load, securing the opening in several places. Ideal for doors, gates, hatches and windows, with a choice of entry and exit solutions.

SURFACE MOUNTED v MORTICE FITTED

We provide both Surface and Mortice (concealed) systems. Surface mounted systems are easier to fit and service, while maintaining the fullest strength of door construction. Mortice (concealed) fitted systems are ideal when aesthetic considerations are paramount.





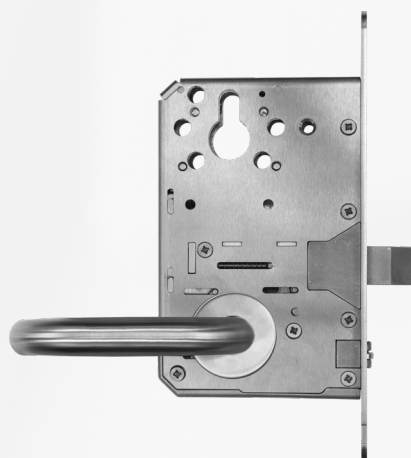
**SURFACE MOUNTED
MULTI-POINT**



**MORTICE FITTED
MULTI-POINT**



**SURFACE MOUNTED
SINGLE-POINT**



**MORTICE FITTED
SINGLE-POINT**



	SINGLE-POINT LOCKS									
	ABRYLL RANGE									
	TYNE RANGE									
	STIRLING RANGE									
	MODULA RANGE									
	MSR SINGLE-POINT									
	EX700 RANGE									
	LODDON									
	RIMLOCK									
	RIBBLE									
PAGE	08	12	16	20	24	26	28	30	32	INSTALLATION
	•		•		•	•	•	•	•	SURFACE MOUNTED
		•		•						MORTICE FITTED
ENTRY FUNCTION (OPTIONS)										
			•				•	•	•	KEY
	•	•	•	•						KEY & LEVER HANDLE / KNOB
	•	•	•	•						ACCESS CONTROL
			•							HANDS FREE MOTORISED
	•									COMBINATION LOCK & / OR LEVER
	•	•	•		•	•		•		PADLOCKABLE / LOCKABLE OPERATOR
EXIT FUNCTION (OPTIONS)										
	•	•	•	•	•	•				PANIC BAR (BLADE / TUBE)
	•	•	•	•	•	•				EMERGENCY PUSH PAD
	•	•	•	•	•	•				EMERGENCY LEVER HANDLE
	•	•	•	•						KEY & LEVER
							•			PULL LEVER / SLIDE BAR
			•					•		THUMBTURN
	•	•	•	•						THUMBTURN & LEVER
	•	•	•	•						BREAKDOME & LEVER
	•	•	•	•						ACCESS CONTROL
			•							HANDS FREE MOTORISED
										THUMBTURN WITH SLIDE BAR
										BREAKGLASS DOME & SLIDE BAR
LOCK FUNCTION (OPTIONS)										
	•	•	•	•			•	•		AUTO DEADLOCKING
	•	•	•	•				•	•	MANUAL DEADLOCKING
	•	•	•	•	•	•		•	•	NO DEADLOCKING
BOLTING FUNCTION (OPTIONS)										
	•	•	•	•	•	•	•	•		AUTO BOLTING
	•		•					•	•	MANUAL BOLTING
PERFORMANCE										
	•	•	•	•		•				EN 1125
	•	•	•	•		•				EN 179
			•							UL 305
				•						UL 10C *
	•	•	•	•				•		EN 1634-1 *
		•	•	•						CERTIFIRE*
		•	•	•						BS 476-22*
	•	•	•	•	•			•	•	LPS 1175 *
		•		•						LPS 1673 *
										FEBR *
										EN 1627 *
			•							STS 202 *
	•	•	•	•				•		LPS 2081 *
				•						PAS 24
			•							EN 1522 *
										UL752*
		•		•						NIJ 0108.01*
										ISO 16933 *
										ASTM F2927 *
	•	•	•	•		•		•		EN 1670
										TESTING
										LIFE SAFETY
										FIRE
										SECURITY
										BALLISTIC
										BLAST
										CORROSION
										SEISMIC

* - When tested on selected do

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

Entry includes key, access control or combination lock with lever handle. A choice of controlled, or life-safety panic/emergency exit is available to meet a wide range of egress requirements. The robust design and stainless steel construction assists in protecting your facilities and provides a high level of durability.



FEATURES

- Surface mounted for maximum strength
- 30 mm (1 1/8") x 20 mm (3/4") bolt x 37 mm (1 1/2") throw
- Stainless steel construction for corrosion resistance and durability
- 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 a wide 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

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 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
20 MIN									300 SEC						15	RC4			BR4	EN 179	UL 752 Level 1-10		EN 1634-1	GR4
15 MIN									240 SEC					15	RC5	BR5	SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR3	200K	
10 MIN	A10	B10	C10	D10	E10	F10			180 SEC				5		RC3	BR3					UL 1634-1	GR2		
5 MIN									120 SEC						RC2	BR2					BS 476-22	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	Access control to unlock & lever handle to release
COMBINATION LOCK	Combination lock & 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

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



PANIC AND EMERGENCY

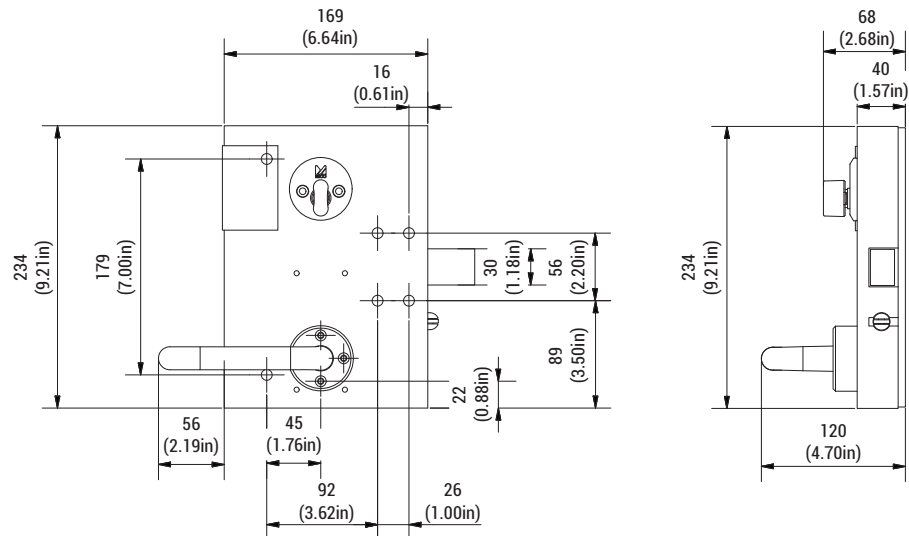


KEY & LEVER HANDLE

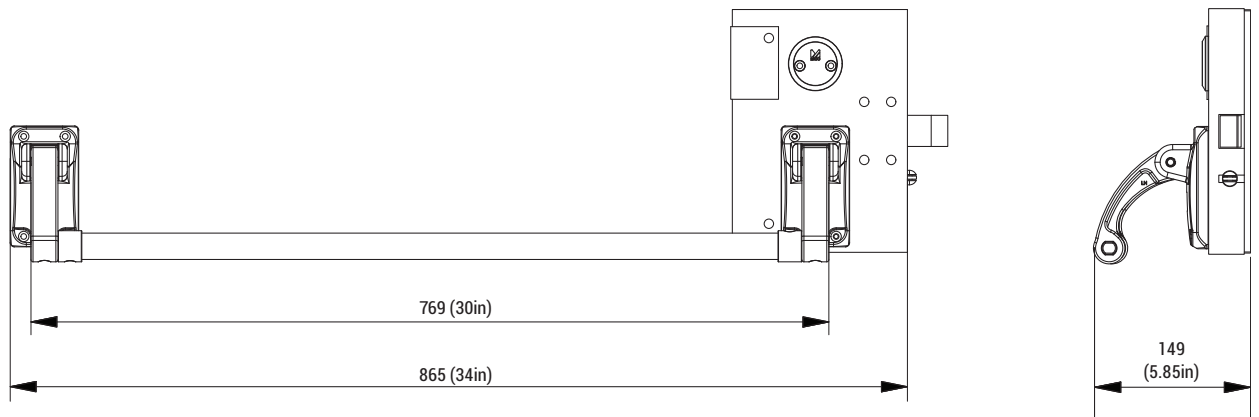


ACCESS CONTROL

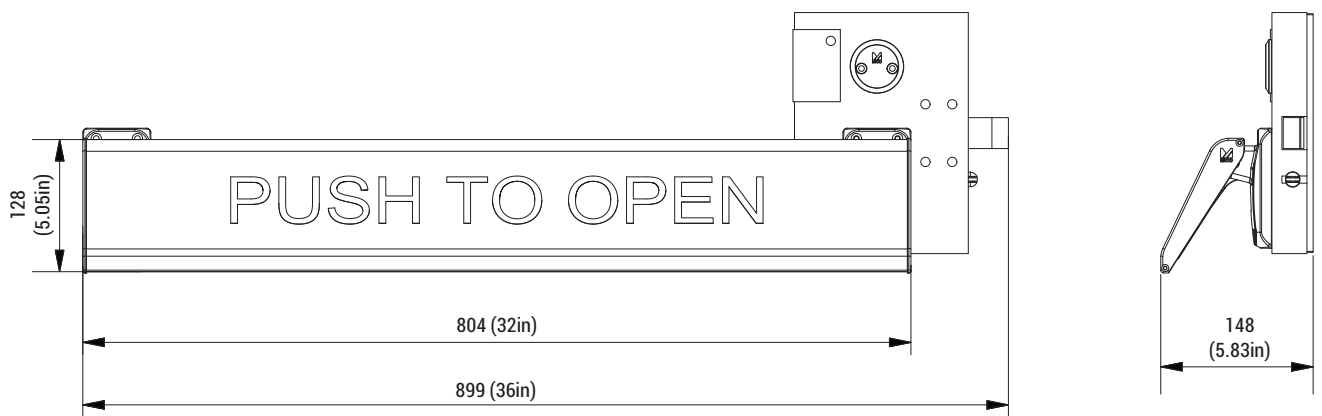
ABRYLL TECHNICAL DRAWINGS



ABRYLL PANIC & EMERGENCY EXIT



ABRYLL PANIC BAR (TUBE)

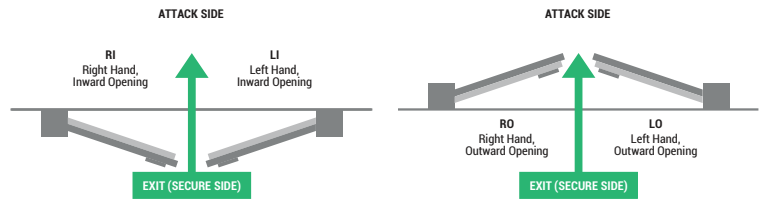


ABRYLL PANIC BAR (BLADE)

SELF CODING SYSTEM

The Abryll (AB) 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: AB1A-AMLS-AA-LMLS



PRODUCT			ENTRY		SECURING		EXIT	
RANGE		BOLTS	UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
AB	Abryll	1	X	None	AA	Auto bolting / Auto deadlocking	X	None
BOLT DIRECTION			K	Key	AM	Auto bolting / Manual deadlocking	K	Key
A	Horizontal bolt		H	Lockable handle (Key / Padlock)	AB	Auto bolting only	A	Access control
			A	Access control	MA	Manual bolting / Auto deadlocking	T	Thumbturn
			C	Combination	MM	Manual bolting / Manual deadlocking	L	Single Handed / Panic - Emergency
			BOLT RETRACTION		MB	Manual bolting only	BOLT RETRACTION	
			X	None			X	None
			M	Manual			M	Manual
			OPERATOR				OPERATOR	
			XX	None			XX	None
			LS	Lever handle (Tubular straight)			LS	Lever handle (Tubular straight)
			HE	Lever handle (H/D Tubular ergonomic)	HE	Lever handle (H/D Tubular ergonomic)		
			LH	Lockable handle	PB	Panic bar (Blade aluminium)		
			UE	Profile lever handle (Ergonomic)	PP	Push pad		
			UH	Profile lever handle (Ergonomic clutched)	PE	Panic bar (Tubular st/st)		

EXAMPLE BOLT DIRECTIONS

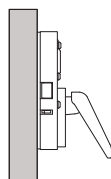
See coding chart above for reference



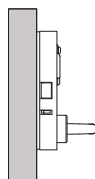
No. Bolts (1)
Direction (A)

EXAMPLE ENTRY/EXIT DIRECTIONS

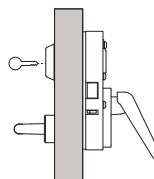
See coding chart above for reference



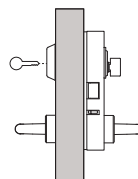
Entry (XXXX)
Exit (LMPB)



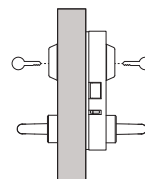
Entry (XXXX)
Exit (LMLS)



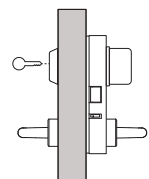
Entry (KMLS)
Exit (LMPB)



Entry (KMLS)
Exit (TMLS)



Entry (KMLS)
Exit (KMLS)



Entry (KMLS)
Exit (AMLS)

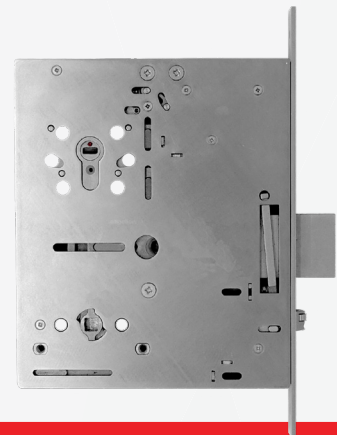
For further ENTRY and EXIT methods & a full range of enhancements please contact our sales office.

ABRYLL ACCESS CONTROL POWER CONSUMPTION

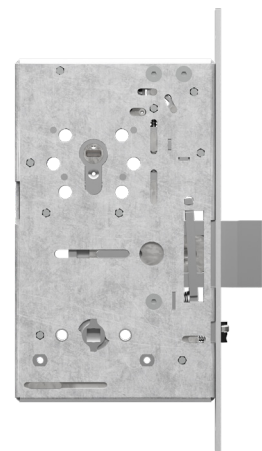
VOLTAGE	POWER CONSUMPTION PER SOLENOID	CURRENT DRAW PER SOLENOID	RECOMMENDED POWER SUPPLY
12 V	6 W	0.5 A	12 V 1.0 A
24 V	6 W	0.25 A	24 V 1.0 A

The Tyne is a high-performance, single-point mortice locking system available with a 127 mm (5") or a 76 mm (3") backset. Tested and certified to international standards for forced entry resistance, life safety, and fire protection, the range is suitable for nearly every application.

Entry options include key or access control with lever handle and a choice of controlled or life safety panic and emergency egress operators. Manufactured from Grade 316 stainless steel for hostile environments and durability.



5" TYNE



3" TYNE

FEATURES

- Mortice-fitted
- 40 mm (1 1/2") x 15 mm (5/8") bolt x 25 mm (1") throw
- 127 mm (5") & 76 mm (3") backset options available
- Grade 316 stainless steel suitable for hostile environments
- Proven rack & pinion driven
- Tested to over 1,000,000 cycles
- To suit rim or Euro profile cylinders (order cylinder separately)
- 12V DC fail secure as standard

BENEFITS

- Choice of securing upon door closure (automatic or manual)
- Certified to a range of international security and life safety standards (see Product Performance Chart)
- Suitable for hostile environments
- Engineered for longevity and trouble-free service

OPTIONAL ENHANCEMENTS

- Monitoring of bolt & lock status
- External key override on access control locking systems in case of power failure
- Cylinder guard protection available from our tested and accredited range (Euro profile only)
- Breakdome over thumbturn to override access control and enable exit
- 24V DC fail secure, 12V DC or 24V DC fail safe
- Further enhancements are 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 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
20 MIN									300 SEC	A300E	B300E	C300E			RC5	BR5			EN 179	UL 752 Level 1-10	ASTM F2927 Cat 1	CERTIFIRE	GR3	GR4
15 MIN									240 SEC					15	RC4	BR4	SRA	UL 305	NIJ 0108.01 Level 4	BS 476-22	GR1	200K		
10 MIN									180 SEC					RC3	BR3	EN 179		UL 752 Level 1-10	ASTM F2927 Cat 1	CERTIFIRE	GR3	GR4	500K	
5 MIN	A5	B5	C5						120 SEC					5	RC2	BR2	SRA	UL 305	NIJ 0108.01 Level 4	ASTM F2927 Cat 1	CERTIFIRE	GR3	500K	
3 MIN									60 SEC					RC1	BR1	EN 179		UL 305	NIJ 0108.01 Level 4	ASTM F2927 Cat 1	CERTIFIRE	GR2	200K	
1 MIN									30 SEC					5	RC1	BR1	SRA	UL 305	NIJ 0108.01 Level 4	ASTM F2927 Cat 1	CERTIFIRE	GR2	200K	
														5	RC1	BR1		EN 179	UL 305	NIJ 0108.01 Level 4	ASTM F2927 Cat 1	CERTIFIRE	GR1	200K

INSTALLATION

MORTICE FITTED

For concealed security

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

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

BOLT FUNCTION (OPTIONS)

AUTO BOLTING

Automatic bolting upon door closure

LOCK FUNCTION (OPTIONS)

AUTO DEADLOCKING

Automatic deadlocking upon door closure
(Storeroom function)

MANUAL DEADLOCKING

Manual deadlocking upon door closure
(Classroom function)

NO DEADLOCKING

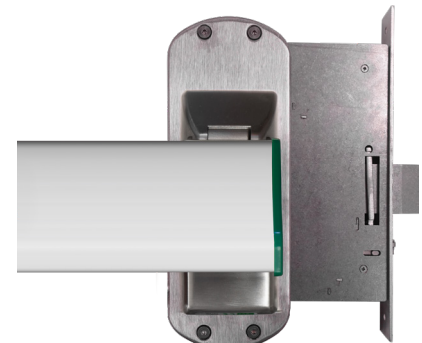
Bolting only



ACCESS CONTROL & LEVER
WITH KEY OVERRIDE
(RIM CYLINDER)

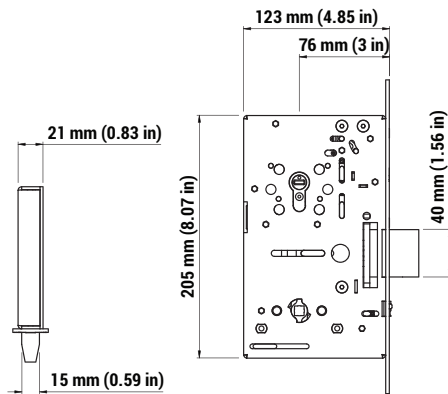


EMERGENCY ESCAPE
WITH CRANKED HANDLE

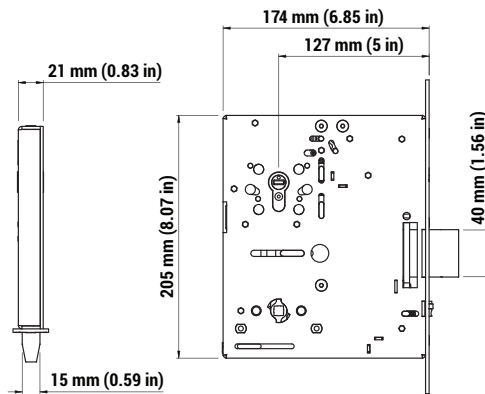


PANIC EXIT

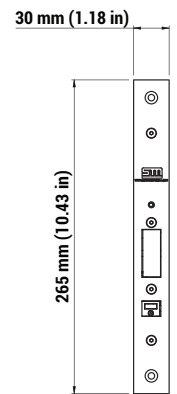
TYNE TECHNICAL DRAWINGS



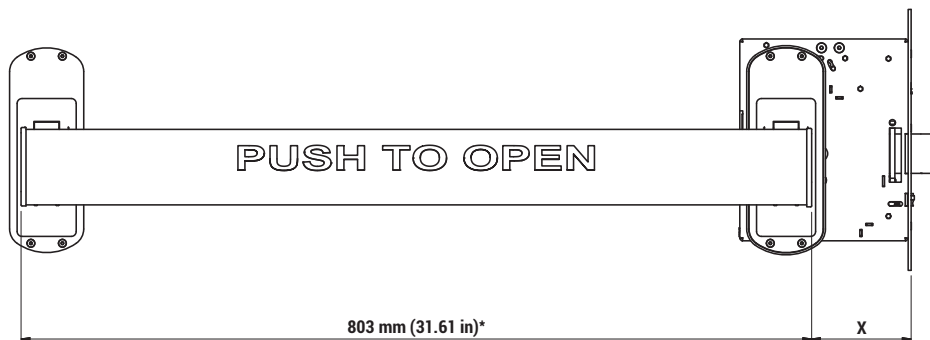
3" TYNE BODY



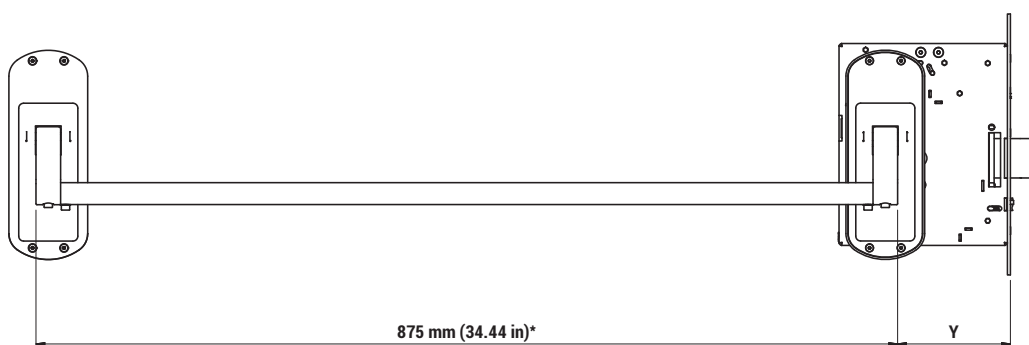
5" TYNE BODY



FOREND PLATE



TYNE PANIC BAR (BLADE)



TYNE PANIC BAR (TUBE)

X = 3" backset: 50 mm (1.98 in), 5" backset: 101 mm (3.98 in)

Y = 3" backset: 93.5 mm (2.51 in), 5" backset: 144.5 mm (4.51 in)

*supplied as standard, cut to suit

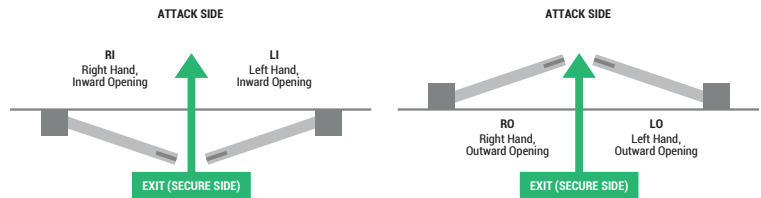
Intellectual Property Rights

All Surelock products are the subject to intellectual property rights. These include pending and approved patent and design rights, in particular to the Tyne: EP4215699, US12221807B2, GB2213884.6 & US18/242762. In accordance with our policy of continual development and improvement we reserve the right to make changes in design and specifications without notice.

SELF CODING SYSTEM

The Tyne (TY) has a simple ordering code that covers the chosen methods of entry, securing and exit. Additional enhancements can be added to further customise the device.

EXAMPLE ORDER CODE: TY1A-AMLS-AA-TMLS



PRODUCT			ENTRY		SECURING		EXIT	
RANGE		BOLTS	UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
TY	5" Tyne	1	X	None	AA	Auto bolting / auto deadlocking	X	None
TN	3" Tyne		K	Key	AM	Auto bolting / manual deadlocking	K	Key
BOLT DIRECTION			A	Access control	AB	Auto bolting only	A	Access control
A	Horizontal bolt		L	Single handed / panic and emergency		T	Thumbturn	
BOLT RETRACTION				L		Single handed / panic and emergency		
X				None		BOLT RETRACTION		
M				Manual		X	None	
OPERATOR				M		Manual		
XX				None		OPERATOR		
LS				Lever handle (tubular straight)		XX	None	
US				Profile lever handle (straight)		LS	Lever handle (tubular straight)	
UC				Profile lever handle (straight clutched)		US	Profile lever handle (straight)	
						PB	Panic bar (blade aluminium)	
						PE	Panic bar (tubular st/st)	
						PP	Push pad	

EXAMPLE BOLT DIRECTIONS

See coding chart above for reference



No. Bolts (1)
Direction (A)

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference

Entry (XXXX) Exit (LMPB)	Entry (XXXX) Exit (LMLS)	Entry (KMPLS) Exit (LMPB)	Entry (KMPLS) Exit (TMLS)	Entry (KMPLS) Exit (KMPLS)	Entry (LMLS) Exit (LMPE)
Entry (AMLS) Exit (AMLS)	Entry (AMLS) Exit (AMLS + KO4)	Entry (AMLS + KRR) Exit (LMPB)	Entry (AMLS + KRR) Exit (LMLE)	Entry (AMLS + KEU) Exit (LMPE)	Entry (AMLS + KEU) Exit (AMLS + KEU)

KEU = Euro Profile Cylinder Override
KO4 = Thumbturn with Breakdome
KRR = Key Round Rim Override

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

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

Entry includes single key operation to unlock and release, alternatively key or access control 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

- Surface mounted for maximum strength
- 19mm (3/4") square bolt x 25mm (1") throw
- 316 grade stainless steel construction for hostile environments and durability
- Proven rack & pinion driven
- Tested to over 1,000,000 cycles
- Anti-thrust resistance available (seven times BS 3621)
- To suit Rim and Euro Profile cylinders (order cylinder separately)
- Steel template provides for fast installation

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
- Easy retrofit, to upgrade existing doors

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
- Sandwich through-bolt fixing kits for easier retro-fit installation
- Bolt-through loadplate for cylinder guard installation

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												
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN 1522 FB6	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL	
15 MIN									240 SEC						RC5	BR5				EN 179	UL752 Level 1-10		EN 1634-1	GR4	500K
10 MIN	A10	B10	C10	D10					180 SEC					15	RC4	BR4									
5 MIN									120 SEC						RC3	BR3	SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR3			
3 MIN									60 SEC					5	RC2	BR2						BS 476-22	GR2	200K	
1 MIN									30 SEC						RC1	BR1						GR1			

ENTRY FUNCTION (OPTIONS)

KEY DRIVEN	Key to unlock & release
KEY & LEVER HANDLE	Key to unlock & lever handle to release
ACCESS CONTROL	Access control to unlock & lever handle to release
MOTORISED	Single remote activation to unlock & release



KEY & LEVER HANDLE

EXIT FUNCTION (OPTIONS)

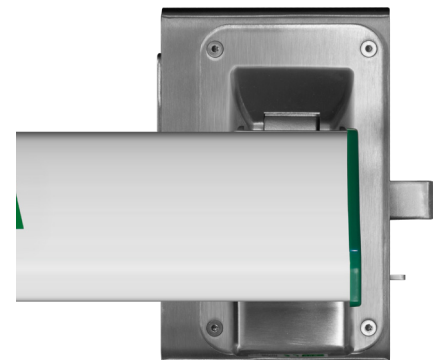
PANIC BAR	Life-safety panic exit
EMERGENCY – PUSH PAD	Single operation exit
EMERGENCY – LEVER HANDLE	Single operation exit
KEY & LEVER HANDLE	Key to unlock & lever handle to release
THUMBTURN & LEVER HANDLE	Thumbturn to unlock & lever handle to release
BREAK DOME & LEVER HANDLE	Break dome & thumbturn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



MOTORISED

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

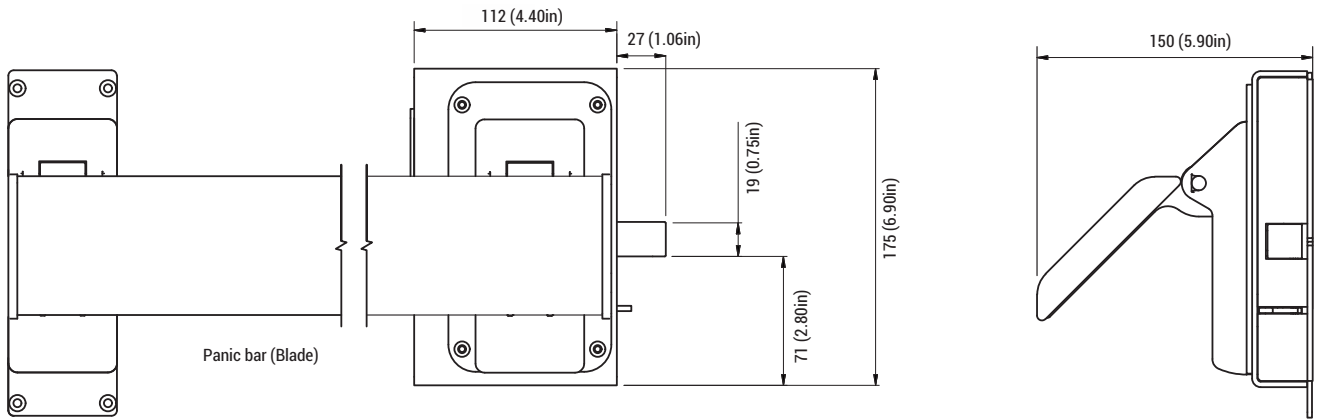


PANIC & EMERGENCY EXIT

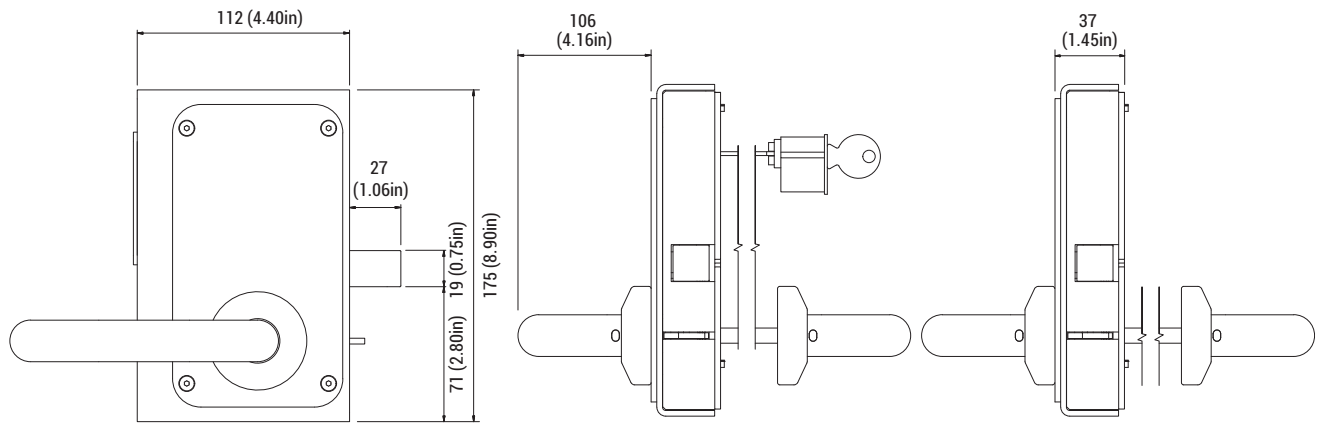
BOLT FUNCTION (OPTIONS)

AUTO BOLTING	Automatic bolting upon door closure
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STIRLING TECHNICAL DRAWINGS

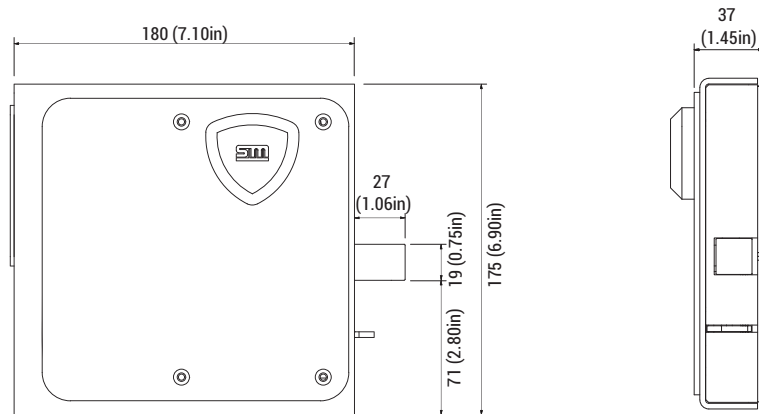


STIRLING PANIC & EMERGENCY EXIT



STIRLING KEY DRIVEN

STIRLING KEY / ACCESS CONTROL & LEVER HANDLE



STIRLING MOTORISED

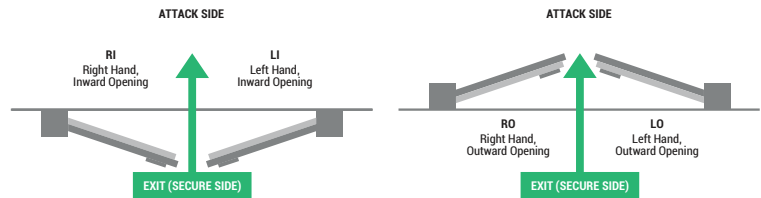
Intellectual Property Rights

All Surelock products are the subject to intellectual property rights. These include pending and approved patent and design rights, in particular to the Stirling: EPEP2311/2115252, US8616591. In accordance with our policy of continual development and improvement we reserve the right to make changes in design and specifications without notice.

SELF CODING SYSTEM

The Stirling (ST) 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: ST1A-AMLS-AA-LMLS



PRODUCT			ENTRY		SECURING		EXIT	
RANGE	BOLTS		UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
ST	Stirling	1	X	None	AA	Auto bolting / Auto deadlocking	X	None
BOLT DIRECTION			K	Key	AM	Auto bolting / Manual deadlocking	K	Key
A	Horizontal bolt	A	Access control		AB	Auto bolting only	Access control	
			L	Single Handed / Panic - Emergency			T	Thumbturn
			BOLT RETRACTION				L	Single Handed / Panic - Emergency
			X	None			BOLT RETRACTION	
			M	Manual			X	None
			P	Motorised Bolt Retraction			M	Manual
			OPERATOR				P	Powered (Electric)
			XX	None			OPERATOR	
			LS	Lever handle (Tubular straight)			LS	Lever handle (Tubular straight)
			US	Profile lever handle (Straight)			US	Profile lever handle (Straight)
			KK	Key			PB	Panic bar (Blade aluminium)
							PP	Push pad
							PE	Panic bar (Tubular st/st)

EXAMPLE BOLT DIRECTIONS

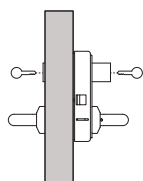
See coding chart above for reference



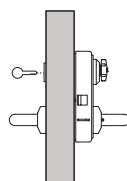
No. Bolts (1)
Direction (A)

EXAMPLE ENTRY/EXIT DIRECTIONS

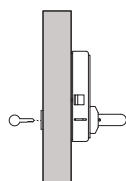
See coding chart above for reference



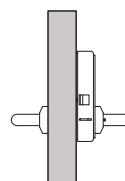
Entry (KMLS)
Exit (KMLS)



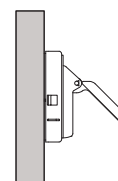
Entry (KMLS)
Exit (TMLS)



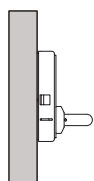
Entry (XMKK)
Exit (LMLS)



Entry (AMLS)
Exit (AMLS)



Entry (APXX)
Exit (LMPB)



Entry (APXX)
Exit (LMLS)

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

STIRLING ACCESS CONTROL POWER CONSUMPTION

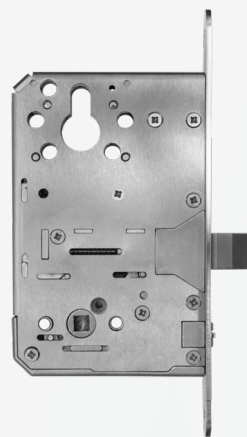
VOLTAGE	POWER CONSUMPTION PER SOLENOID	CURRENT DRAW PER SOLENOID	RECOMMENDED POWER SUPPLY
12 V	7 W	0.6 A	12 V 1.0 A
24 V	7 W	0.3 A	24 V 0.5 A

STIRLING MOTORISED POWER CONSUMPTION

VOLTAGE	POWER CONSUMPTION PER MOTOR	CURRENT DRAW PER MOTOR	RECOMMENDED POWER SUPPLY
24 V	48 W	2 A	24 V 2 A (110V to 240V ac) Power supply provided with lock

The Modula is a cost-effective high security single-point mortice lock that completely changes the performance expectations of standard 70mm backset locks. Modula has been engineered to provide multiple entry & exit methods, making it incredibly versatile and suitable for most applications.

Entry includes key, or access control with lever handle. A choice of controlled, or life-safety panic/emergency exit is available to meet a wide range of egress requirements. The robust design and stainless steel construction of the Modula range will assist in protecting your facility and provide durability.



FEATURES

- Unique design utilises partial latching prior to deadlocking
- Mortice mounted & retrofittable to existing doorsets
- 70 mm (2 3/4") backset
- 20 mm (3/4") x 15 mm (5/8") bolt x 25 mm (1") throw
- Stainless steel construction for corrosion resistance and durability
- Tested to over 1,000,000 cycles
- To suit Euro 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 a wide selection of operational functionality

OPTIONAL ENHANCEMENTS

- Monitoring of bolt & lock status
- 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 enable exit
- Further enhancements are 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	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
20 MIN									300 SEC	A300E	B300E				RC5	BR5			EN 179	UL752 Level 1-10		EN 1634-1		
15 MIN									240 SEC					15	RC4	BR4	SRA	UL 305	EN 10108.01 Level 2 & 3	ASTM F2927 Cat 1	CERTIFIRE	GR3	200K	
10 MIN									180 SEC						RC3	BR3					BS 476-22	GR2		
5 MIN									120 SEC					5	RC2	BR2	UL 305	EN 10108.01 Level 2 & 3	ASTM F2927 Cat 1	BS 476-22	GR1	200K		
3 MIN	A3	B3							60 SEC						RC1	BR1					GR1			
1 MIN									30 SEC			C30E	D30E											

ENTRY FUNCTION (OPTIONS)

KEY & LEVER HANDLE

Key to unlock & lever handle to release

ACCESS CONTROL

Access control to unlock & lever handle to release

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

LOCK FUNCTION (OPTIONS)

AUTO DEADLOCKING

Automatic deadlocking upon door closure
(Storeroom function)

MANUAL DEADLOCKING

Manual deadlocking upon door closure
(Classroom function)

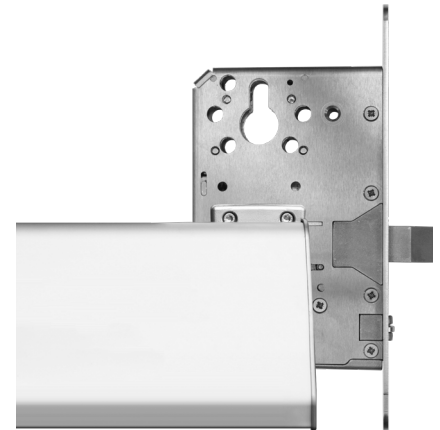
NO DEADLOCKING

Panic & emergency exit only

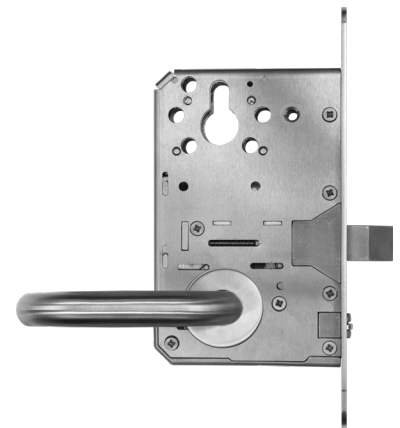
BOLT FUNCTION (OPTIONS)

AUTO BOLTING

Automatic bolting upon door closure



PANIC & EMERGENCY EXIT

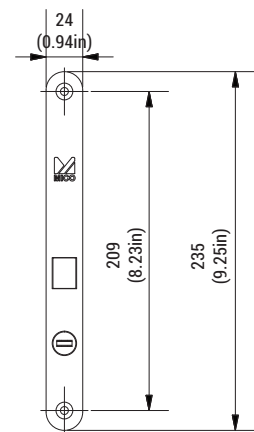
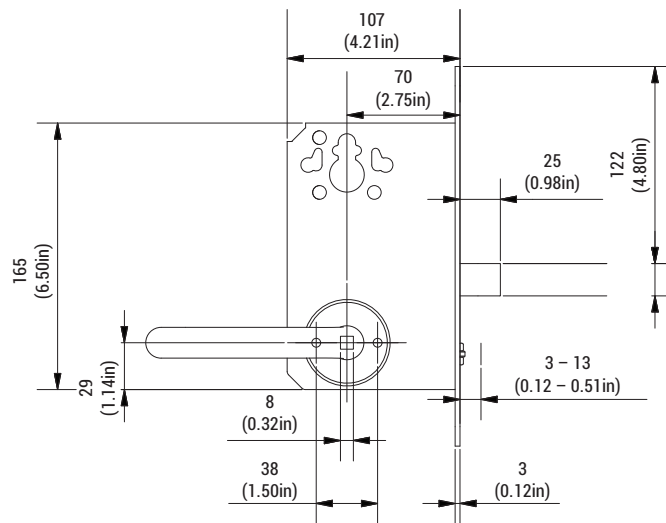


KEY & LEVER HANDLE

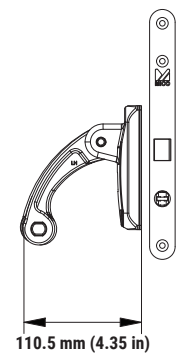
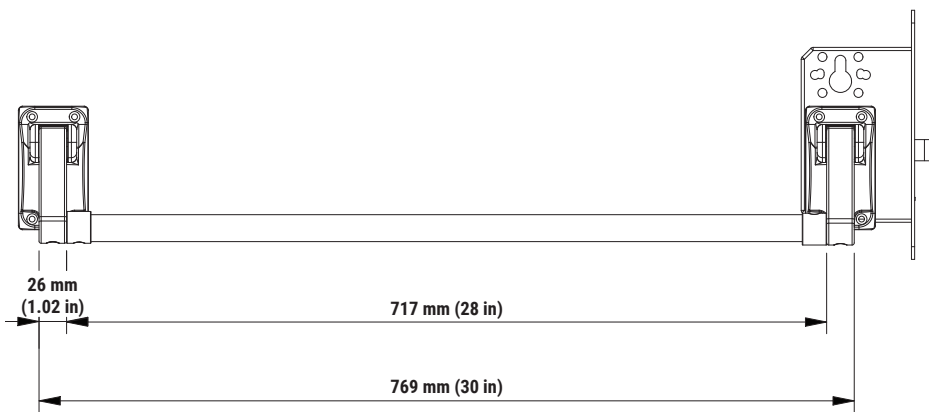


ACCESS CONTROL

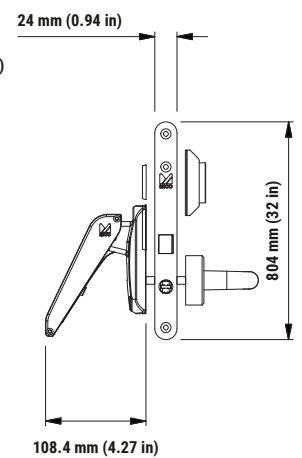
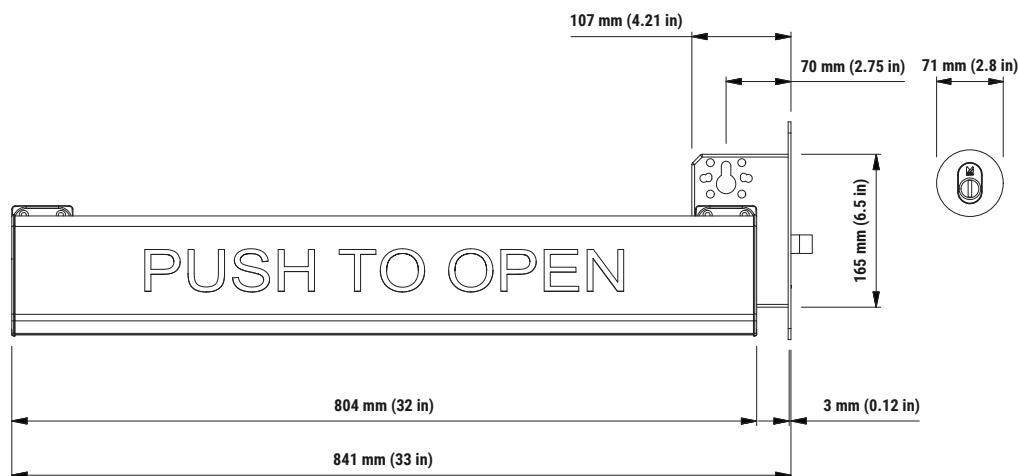
MODULA TECHNICAL DRAWINGS



MODULA



MODULA PANIC BAR

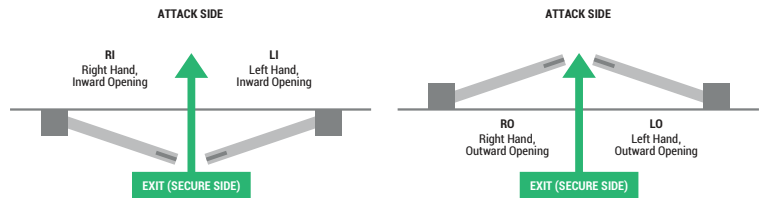


MODULA PANIC BAR (BLADE)

SELF CODING SYSTEM

The Modula (MA) 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: MA1A-KMLS-AM-KMLS



PRODUCT			ENTRY		SECURING		EXIT	
RANGE		BOLTS	UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
MA	Modula	1	X	None	AA	Auto bolting / Auto deadlocking	X	None
BOLT DIRECTION			K	Key	AM	Auto bolting / Manual deadlocking	K	Key
A	Horizontal bolt		A	Access control	AB	Auto bolting only	A	Access control
			BOLT RETRACTION				T	Thumbturn
			X	None			L	Single Handed / Panic - Emergency
			M	Manual			BOLT RETRACTION	
			OPERATOR				X	None
			XX	None			M	Manual
			LS	Lever handle (Tubular straight)			OPERATOR	
			US	Profile lever handle (Straight)			XX	None
							LS	Lever handle (Tubular straight)
							US	Profile lever handle (Straight)
							PB	Panic bar (Blade aluminium)
							PP	Push pad
							PE	Panic bar (Tubular st/st)

EXAMPLE BOLT DIRECTIONS

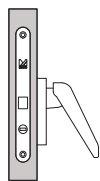
See coding chart above for reference



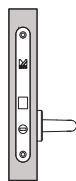
No. Bolts (1)
Direction (A)

EXAMPLE ENTRY/EXIT DIRECTIONS

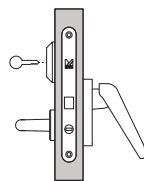
See coding chart above for reference



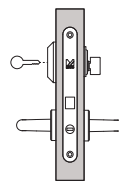
Entry (XXXX)
Exit (LMPB)



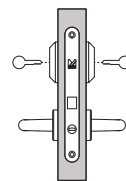
Entry (XXXX)
Exit (LMLS)



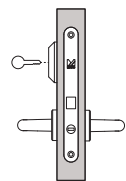
Entry (KMLS)
Exit (LMPB)



Entry (KMLS)
Exit (TMLS)



Entry (KMLS)
Exit (KMLS)



Entry (KMLS)
Exit (LMLS)

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

MODULA ACCESS CONTROL POWER CONSUMPTION

VOLTAGE	POWER CONSUMPTION PER SOLENOID	CURRENT DRAW PER SOLENOID	RECOMMENDED POWER SUPPLY
12 V	10 W	0.8 A	12 V 1.5 A

The MSR is a cost-effective single-point bolting device, designed for commercial doors securing high-value sites.

Single motion release by lever handle or panic bar, making this device suitable to secure exit doors and provide life-safety egress. An optional external trim provides key entry for authorized personnel. The robust design and stainless steel construction of the MSR will assist in protecting your facility and provide durability.



FEATURES

- Surface mounted for maximum strength
- 20 mm (3/4") x 16.5 mm (5/8") central bolt x 20 mm (3/4") throw
- Stainless steel construction for corrosion resistance and durability
- Tested to over 1,000,000 cycles
- Built in anti-thrust mechanism for enhanced security.

BENEFITS

- Door automatically secured against physical attack
- Built in anti-thrust mechanism for enhanced security
- Certified to a range of international standards (see Product Performance Chart)
- Engineered for longevity and trouble-free service

OPTIONAL ENHANCEMENTS

- Monitoring of bolt status
- External lockable trim to provide key entry for authorized personnel
- Further enhancements are available

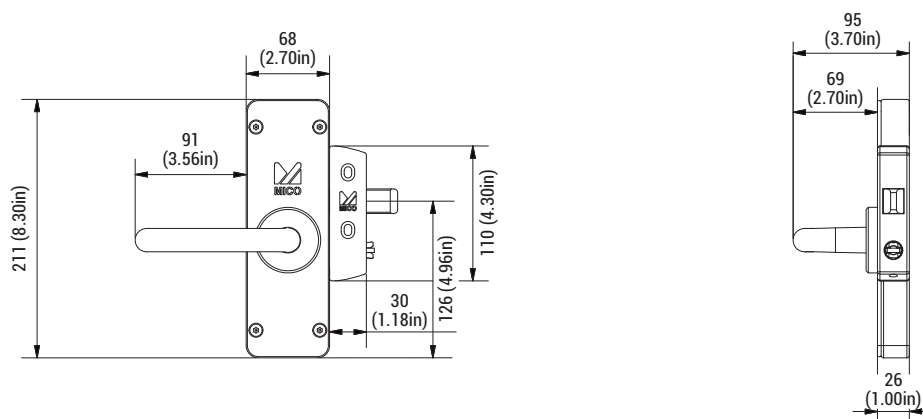
PRODUCT PERFORMANCE CHART

☐ 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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5							EN 1634-1	GR4
10 MIN									180 SEC					15	RC4	BR4			EN 179	UL752 Level 1-10				500K
5 MIN									120 SEC						RC3	BR3							GR3	
3 MIN	A3	B3							60 SEC					5	RC2	BR2	SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR2	200K	
1 MIN									30 SEC						RC1	BR1								

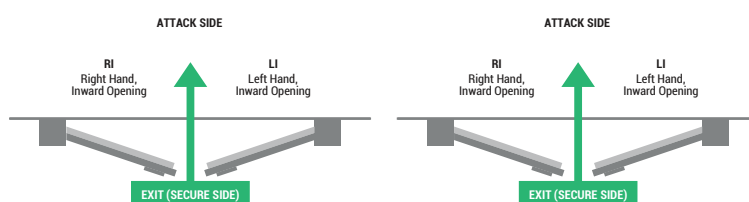
MSR SINGLE-POINT TECHNICAL DRAWING



SELF CODING SYSTEM

The MSR (MS) 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: MS1A-XXXX-AB-LMPB



PRODUCT			ENTRY			SECURING			EXIT		
RANGE		BOLTS	UNLOCKING			UPON DOOR CLOSURE			UNLOCKING		
MS	MSR	1	X	None		AB	Auto bolting only		X	None	
BOLT DIRECTION			H	Lockable handle (Key/Padlock)					L	Single Handed / Panic - Emergency	
A	Horizontal bolt		BOLT RETRACTION						BOLT RETRACTION		
			X	None					M	Manual	
			M	Manual					OPERATOR		
			OPERATOR						LS	Lever handle (Tubular straight)	
			XX	None					US	Profile lever handle (Straight)	
			LH	Lockable handle					PB	Panic bar (Blade aluminium)	
									PP	Push pad	
									PE	Panic bar (Tubular st/st)	

EXAMPLE BOLT DIRECTIONS

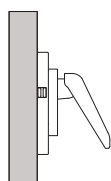
See coding chart above for reference



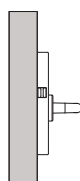
No. Bolts (1)
Direction (A)

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



Entry (XXXX)
Exit (LMPB)



Entry (XXXX)
Exit (LMLS)

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

The Surelock EX700 range of latches provide an effective solution for automatic securing of heavy-duty industrial doors. The latch comprises a 15mm square stainless steel bolt with a 19mm throw.

The operation of the handle is smoothly converted into latch movement by an internal rack and pinion mechanism that provides for long life and durability. Latch release is also provided by a stainless steel lever handle on the inside of the door.



EX701

FEATURES

- Single handed entry
- 15mm square steel latch bolt
- Proven rack & pinion driven
- Stainless steel strike plate for an outward opening door
- Cycle tested to over 1,000,000 cycles

BENEFITS

- Engineered for longevity and trouble free service
- Manufactured from 316 Stainless Steel for highly corrosive environments
- Highly reliable bolting solution
- Smooth and controlled operation

OPTIONAL ENHANCEMENTS

- External key entry facilities provided by LEO 3/8" (See page 68 for more information)
- Rim cylinder provided using option K10
- Mortice fitting variants available
- Push pad; or lever handle to BS EN 179:2008 CE Marked
- Panic bar to BS EN 1125:2008 CE Marked

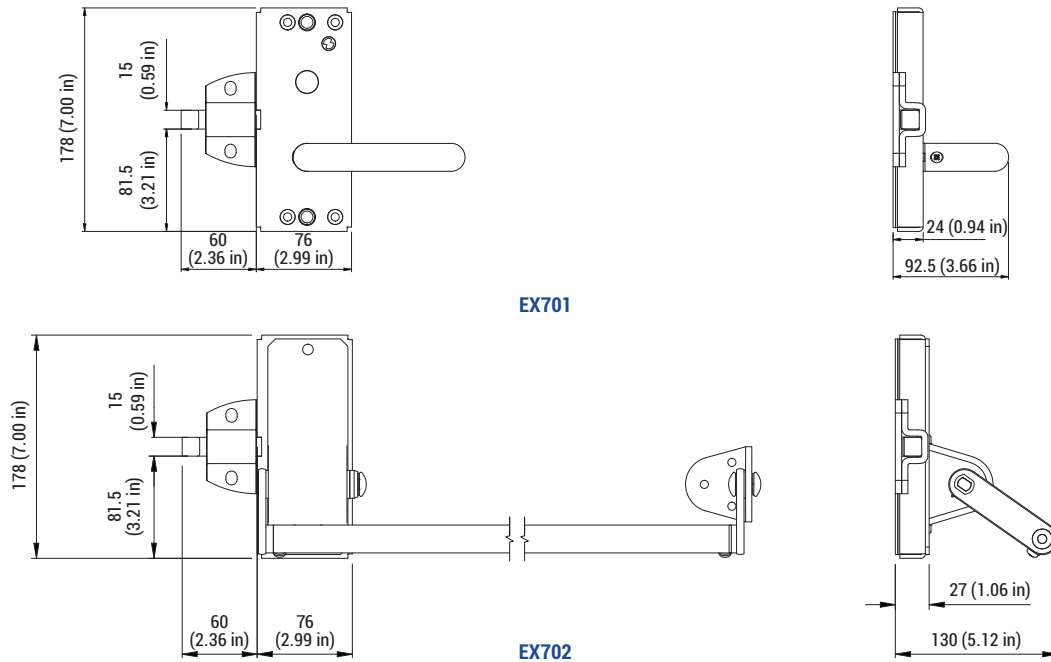
PRODUCT PERFORMANCE CHART

☐ 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												
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL	
15 MIN									240 SEC						RC5	BR5									
10 MIN									180 SEC					15	RC4	BR4			EN 179	UL752 Level 1-10	ASTM F2927 Cat 1	CERTIFIRE	GR4	500K	
5 MIN									120 SEC						RC3	BR3									
3 MIN									60 SEC					5	RC2	BR2	SRA	UL 305	NIJ 0108.01 Level 1-4	BS 476-22	GR2	200K			
1 MIN									30 SEC							RC1					BR1				

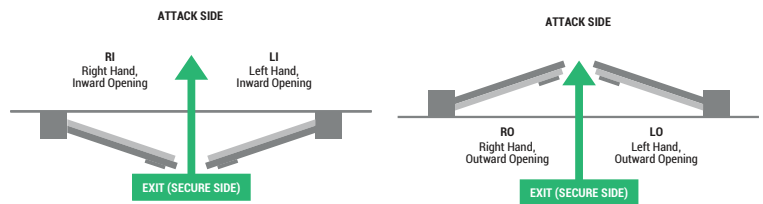
EX700 RANGE TECHNICAL DRAWINGS



SELF CODING SYSTEM

The EX700 range have a simple ordering code that covers the Model, Enhancements and handing

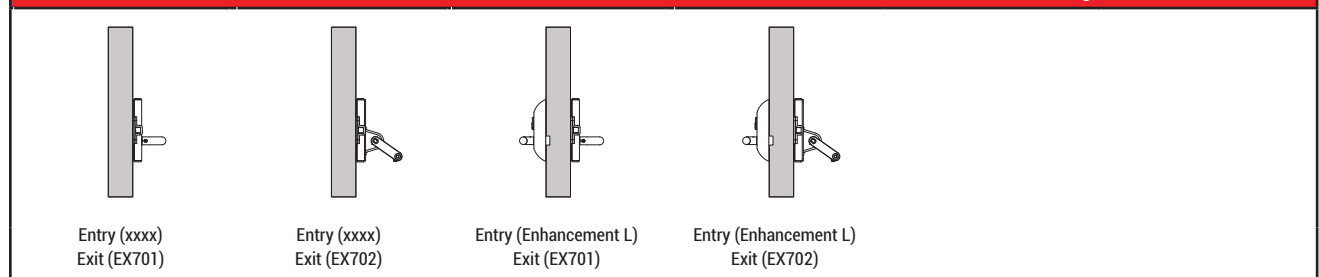
EXAMPLE ORDER CODE: EX701-S-L-04



MODEL	ENHANCEMENTS	HANDING
EX701-S	L LEO handle	04 Right hand outward opening
EX702-S	K10 External key access (Rim only)	05 Left hand outward opening
	H3 Push pad in place of lever handle	07 Right hand inward opening
	W3 Machined screw fixings	08 Left hand inward opening

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



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

The Loddon is a heavy duty Rim deadlock with external key entry and single operation egress for inward opening doors. Through-bolt mounting of the lock body, passing through the door into the external cylinder housing, provides for enhanced strength and security.

Compatible with key cylinders from all leading manufacturers. Ideal for new doors, or as a security upgrade to existing doors and includes a suitable keep for timber doors. The robust design and stainless steel construction of Loddon will assist in protecting your facility and provide long term durability.



FEATURES

- Surface mounted for maximum strength
- Automatic securement upon door closure
- 25 mm (1") x 11mm (3/8") bolt x 25 mm (1") throw
- Retrofit/Security upgrade of Ingersoll Rim locks, includes stainless steel escutcheon plate to cover previous lock mountings
- 316 grade stainless steel construction for hostile environments and durability
- Cycle tested to over 1,000,000 cycles
- To suit Rim or ingersoll type Rim cylinders (order cylinder separately)

BENEFITS

- Door automatically secured in closed position
- Certified to a range of international standards (see Product Performance Chart)
- Engineered for longevity and trouble-free service
- Popular retrofit, to upgrade existing doors

OPTIONAL ENHANCEMENTS

- Ingersoll cylinder profile housing & protector (accepts KIK type cylinder from leading manufacturers)
- Bolt dogging (manual hold-back facility)

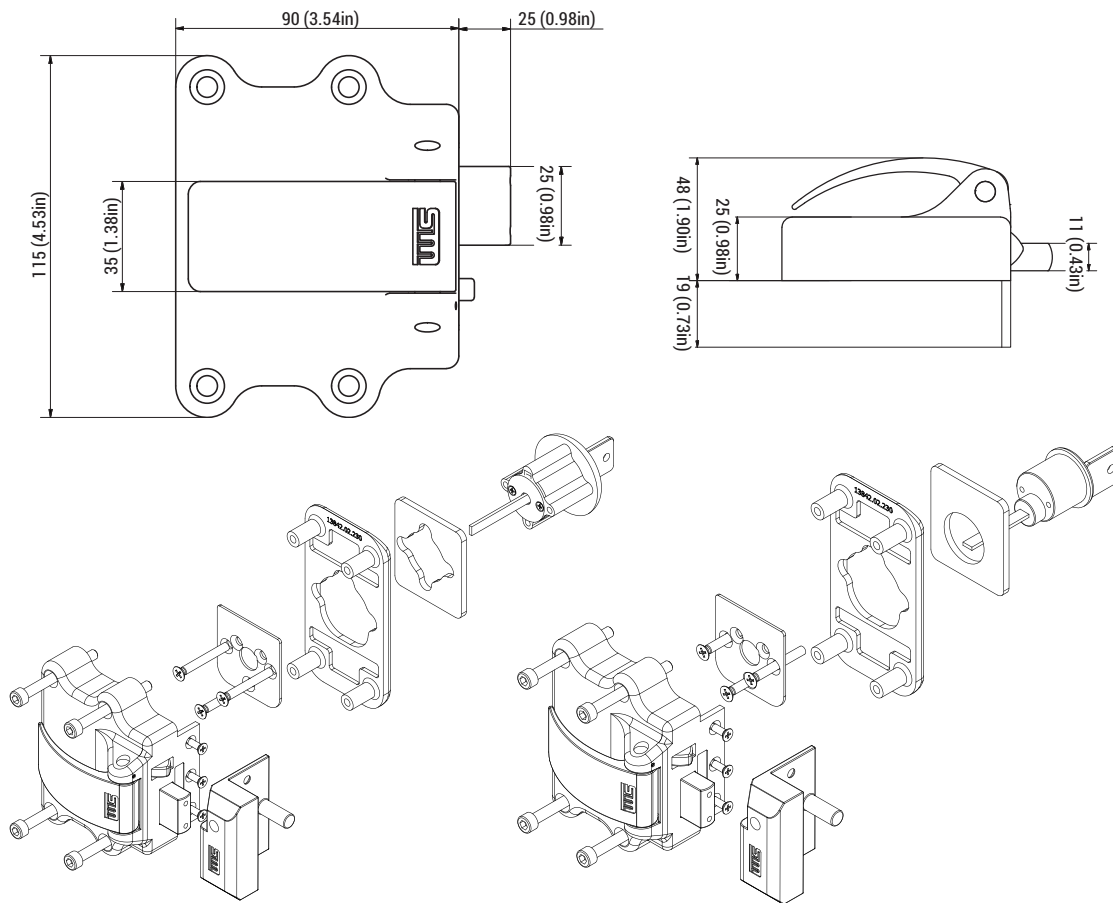
PRODUCT PERFORMANCE CHART

☐ 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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5								
10 MIN									180 SEC					15	RC4	BR4	SRA	EN 179	UL752 Level 1-10	ASTM F2927 Cat 1	EN 1634-1	GR4	500K	
5 MIN									120 SEC						RC3	BR3							GR3	
3 MIN	A3	B3							60 SEC					5	RC2	BR2		UL 305	NIJ 0108.01 Level 1-4		CERTIFIRE	GR2	200K	
1 MIN									30 SEC						RC1	BR1					BS 476-22	GR1		

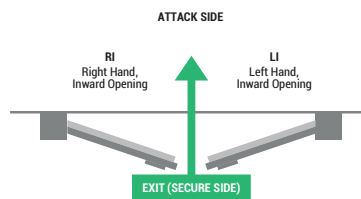
LODDON TECHNICAL DRAWING



SELF CODING SYSTEM

The Loddon (LO) 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.

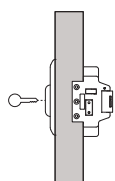
EXAMPLE ORDER CODE: LO1A-KMKK-AA-LMPL



PRODUCT			ENTRY			SECURING			EXIT		
RANGE		BOLTS	UNLOCKING			UPON DOOR CLOSURE			UNLOCKING		
LO	Loddon	1	K	Key		AA	Auto bolting / Auto deadlocking		L	Single Handed / Panic - Emergency	
BOLT DIRECTION			BOLT RETRACTION						BOLT RETRACTION		
A	Horizontal bolt		M	Manual					M	Manual	
			OPERATOR						OPERATOR		
			KK	Key					PL	Pull lever	

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



Entry (KMKK)
Exit (LMPL)

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

The Rimlock is the most popular key entry device for medium security applications. The Rimlock is self-handed, bi-directional, compatible with Rim cylinders from all leading manufacturers and providing latching and auto-deadlocking upon door closure.

Exit by thumbturn, or optional key control. The robust design and stainless steel construction of the Rimlock will assist in protecting your facility and provide durability.



FEATURES

- Surface mounted for maximum strength
- Self-handing and bi-directional
- Automatic securement upon door closure
- 25 mm (1") x 16 mm (5/8") bolt x 25 mm (1") throw
- Stainless steel construction for corrosion resistance and durability
- Tested to over 1,000,000 cycles
- To suit Rim and Profile cylinders (order cylinder separately)

BENEFITS

- Choice to manually or automatically secure upon door closure
- Certified to a range of international standards (see Product Performance Chart)
- Engineered for longevity and trouble-free service
- Supplied with mounting plate and outward opening strike plate as standard
- Popular retrofit, to upgrade existing doors

OPTIONAL ENHANCEMENTS

- Monitoring of lock status
- Breakdome over thumbturn
- Cylinder guard protection available from our tested and accredited range

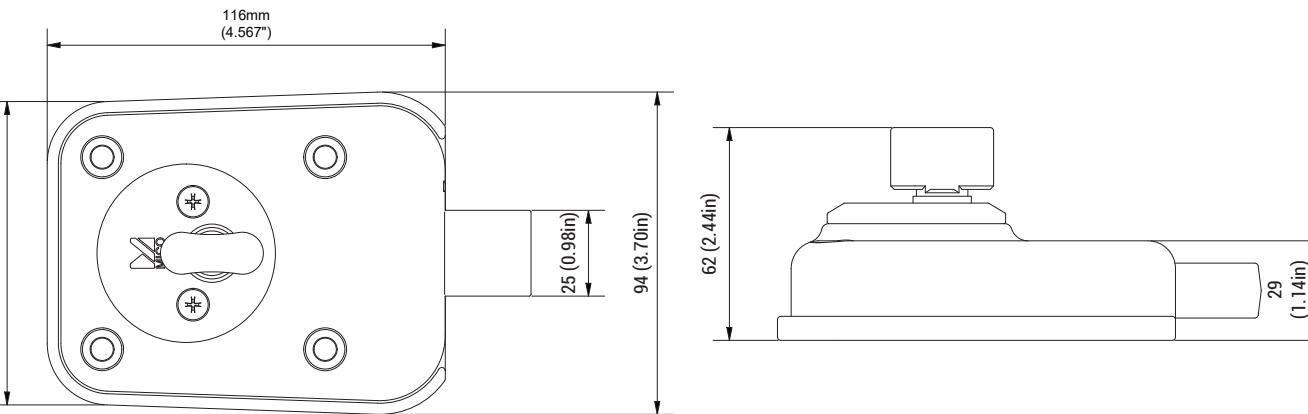
PRODUCT PERFORMANCE CHART

■ 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												
20 MIN									300 SEC	A300E	B300E			60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL	
15 MIN									240 SEC						RC5	BR5							EN 1634-1		
10 MIN									180 SEC					15	RC4	BR4					EN 179	UL752 Level 1-10		GR4	500K
5 MIN									120 SEC						RC3	BR3	SRA	UL 305			ASTM F2927 Cat 1	CERTIFIRE	GR3		
3 MIN	A3	B3							60 SEC			C60E	D60E	5	RC2	BR2					NIJ 0108.01 Level 1-4			GR2	200K
1 MIN									30 SEC						RC1	BR1							BS 476-22	GR1	

RIMLOCK TECHNICAL DRAWING



SELF CODING SYSTEM

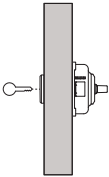
The Rimlock (RM) has a structured ordering code that covers the chosen methods of entry, exit and securing, followed by the mounting and orientation codes, additional enhancements can be added to further customise the device.

EXAMPLE ORDER CODE: RM1A-KMKK-AA-TMTN

PRODUCT			ENTRY		SECURING		EXIT	
RANGE		BOLTS	UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
RM	Rimlock	1	K	Key	AA	Auto bolting / Auto deadlocking	T	Thumbturn
BOLT DIRECTION			BOLT RETRACTION		MM	Manual bolting / Manual deadlocking	BOLT RETRACTION	
A	Horizontal bolt		M	Manual			M	Manual
			OPERATOR				OPERATOR	
			KK	Key			TN	Thumbturn

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



Entry (KMKK)
Exit (TMTN)

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

The Ribble is an anti-tamper cabinet lock, providing a high level of protection against surreptitious breach. Dual mounting footprint provides for retrofit of UK and International combination locks.

Accommodates selected profile cylinders from a choice of major manufacturers. Cylinders are keyed to a unique differ and each with two keys. A choice of cylinder protection guards are available to suit cabinet dimensions and cylinder projection.



FEATURES

- Surface mounted for maximum strength
- Dual UK & International combination lock retrofit mounting
- 25 mm (1") x 9 mm (3/8") bolt x 10 mm (3/8") throw
- Tested to over 1,000,000 cycles
- To suit Profile cylinder (order cylinder separately)

BENEFITS

- Key retained in unlocked position
- Engineered for longevity and trouble-free service
- Popular retrofit, replacing existing combination locks

OPTIONAL ENHANCEMENTS

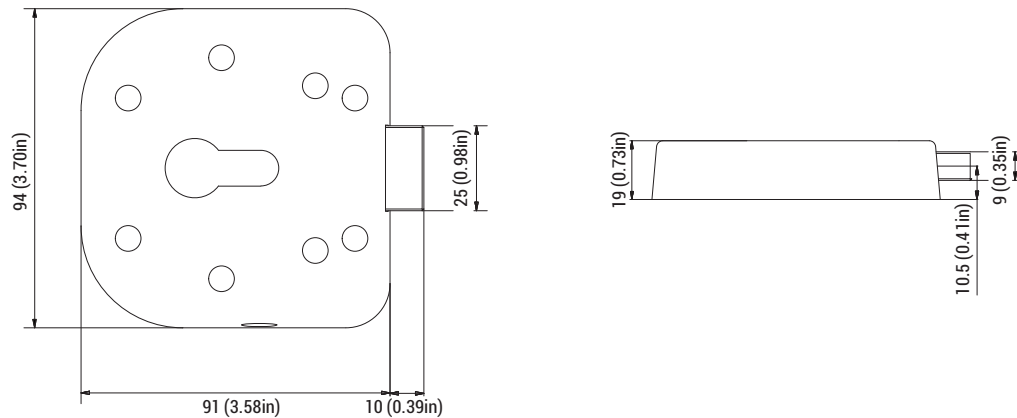
- Choice of cylinder projection guards
- Double sided key/key or key/thumbturn cylinders available (order separately)
- Deadlock status monitoring

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												
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL	
15 MIN									240 SEC						RC5	BR5							EN 1634-1		
10 MIN									180 SEC					15	RC4	BR4			SRA	EN 179	UL752 Level 1-10		GR4	500K	
5 MIN									120 SEC						RC3	BR3									GR3
3 MIN									60 SEC					5	RC2	BR2			UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR2	200K	
1 MIN									30 SEC						RC1	BR1					BS 476-22		GR1		

RIBBLE TECHNICAL DRAWING



SELF CODING SYSTEM

The Ribble (RL) 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: RB1A-KMCK-MM-XXXX

PRODUCT			ENTRY			SECURING			EXIT	
RANGE		BOLTS	UNLOCKING			UPON DOOR CLOSURE			UNLOCKING	
RB	Ribble	1	K	Key		MM	Manual bolting / Manual deadlocking		X	None
BOLT DIRECTION		BOLT RETRACTION						K	Key	
A	Horizontal bolt		M	Manual				T	Thumbturn	
			OPERATOR					BOLT RETRACTION		
			KK	Key				X	None	
								M	Manual	
			OPERATOR							
			XX	None						
			KK	Key						
			TN	Thumbturn						

EXAMPLE BOLT DIRECTIONS

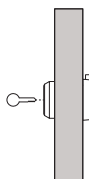
See coding chart above for reference



No. Bolts (1)
Direction (A)

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



Entry (KMCK)
Exit (XXXX)

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

MULTI-POINT SYSTEMS



MULTI-POINT LOCKS SLIMLINE RANGE FOYLE MSR MULTI-POINT ZEUS CONISTON RANGE							
PAGE	36	42	44	46	48	INSTALLATION	
	•	•	•	•	•	SURFACE MOUNTED	
	•					MORTICE FITTED	
						ENTRY FUNCTION (OPTIONS)	
						KEY	
•	•				•	KEY & LEVER HANDLE / KNOB	
•	•				•	ACCESS CONTROL	
•						HANDS FREE MOTORISED	
•						COMBINATION LOCK & / OR LEVER	
•			•	•		PADLOCKABLE / LOCKABLE OPERATOR	
						EXIT FUNCTION (OPTIONS)	
•			•	•		PANIC BAR (BLADE / TUBE)	
•			•			EMERGENCY PUSH PAD	
•	•		•		•	EMERGENCY LEVER HANDLE	
•					•	KEY & LEVER	
						PULL LEVER / SLIDE BAR	
						THUMBTURN	
•					•	THUMBTURN & LEVER	
•						BREAKDOME & LEVER	
•						ACCESS CONTROL	
•						HANDS FREE MOTORISED	
						THUMBTURN WITH SLIDE BAR	
						BREAKGLASS DOME & SLIDE BAR	
						LOCK FUNCTION (OPTIONS)	
•	•					AUTO DEADLOCKING	
•					•	MANUAL DEADLOCKING	
•			•	•		NO DEADLOCKING	
						BOLTING FUNCTION (OPTIONS)	
•	•		•	•		AUTO BOLTING	
•					•	MANUAL BOLTING	
						PERFORMANCE	
•			•	•		EN 1125	LIFE SAFETY
•			•	•		EN 179	
•						UL 305	
•						UL 10C *	FIRE
•						EN 1634-1 *	
•						CERTIFIRE*	
•						BS 476-22*	
•			•			LPS 1175 *	
•			•			LPS 1673 *	SECURITY
•						FEBR *	
•						EN 1627 *	
•						STS 202 *	
•			•			SRB *	
•						PAS 24	
•						EN 1522 *	
•						UL752 *	BALLISTIC
						NIJ 0108.01 *	
•						ISO 16933 *	BLAST
•						ASTM F2927 *	
•			•	•		EN 1670	CORROSION
•						TESTING	SEISMIC

* - When tested on selected doorsets

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	TIME	A	B	C	D					
Issue 8	A	B	C	D	E	F	G	H	300 SEC	A300E	B300E	C300E	D300E	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		240 SEC						RC5	BR5			EN 179	UL 752 Level 10		EN 1634-1		
15 MIN									180 SEC					15	RC4	BR4		SRA	EN 305	UL 0108.01 Level 1-4	ASTM F2927 Cat 1	Certifire	GR3	200K
10 MIN									120 SEC						RC3	BR3	BS 476-22					GR2		
5 MIN									60 SEC					5	RC2	BR2	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	BS 476-22	GR1	200K		
3 MIN									30 SEC						RC1	BR1								
1 MIN																								

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)

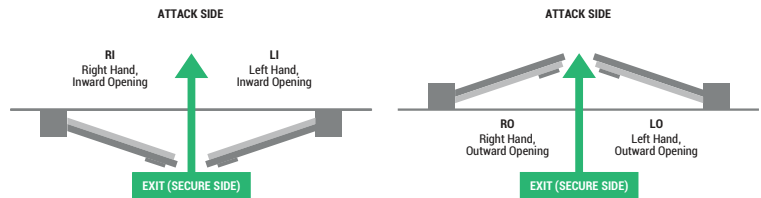
AUTO BOLTING	Automatic bolting upon door closure
MANUAL BOLTING	Manual bolting



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



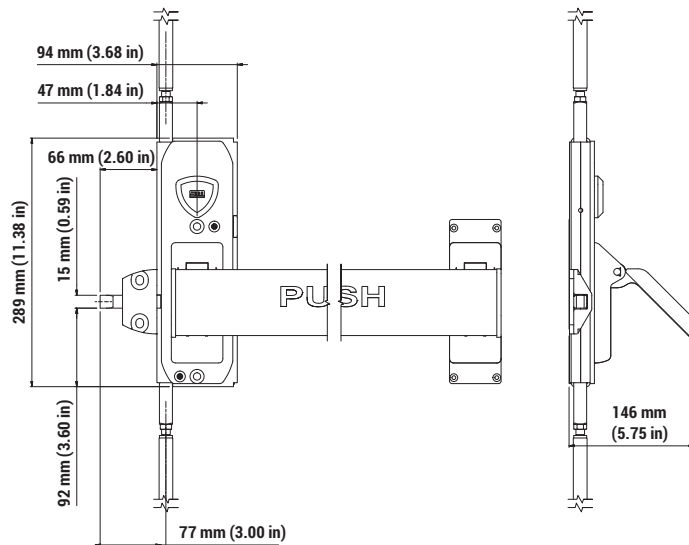
PRODUCT			ENTRY		SECURING		EXIT	
RANGE	BOLTS		UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
SL	Surface	2-7	X	None	AA	Auto bolting / Auto deadlocking	X	None
SM	Mortice	2-7	K	Key	AM	Auto bolting / Manual deadlocking	K	Key
BOLT DIRECTION			H	Lockable handle (Key / Padlock)	AB	Auto bolting only	A	Access control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

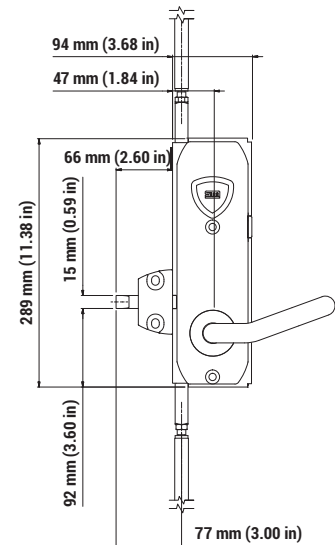
EXAMPLE ENTRY/EXIT DIRECTIONS					See coding chart above for reference
Entry (XXXX) Exit (KMLS)	Entry (KMLS) Exit (TMLS)	Entry (AMLS) Exit (AMLS)	Entry (CMLS) Exit (LMLE)	Entry (HMLH) Exit (LMPB)	

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

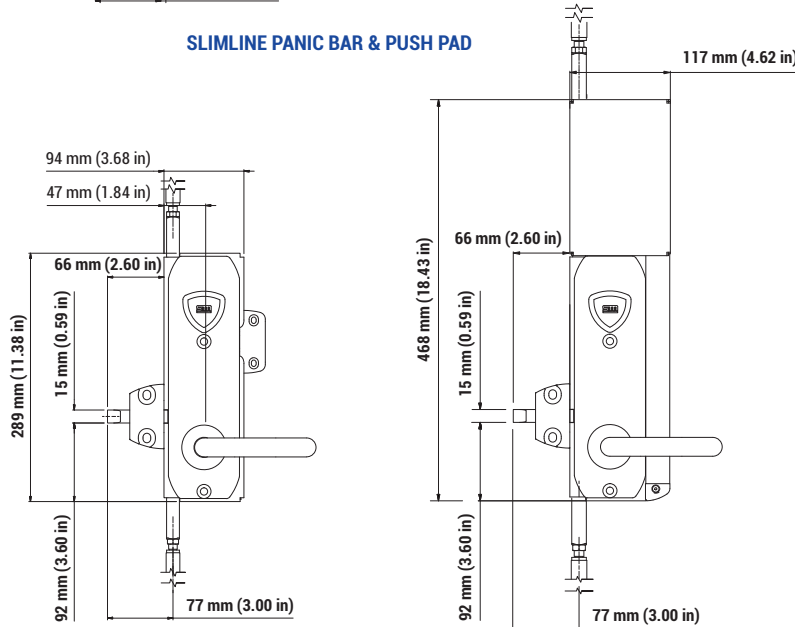
SLIMLINE TECHNICAL DRAWINGS



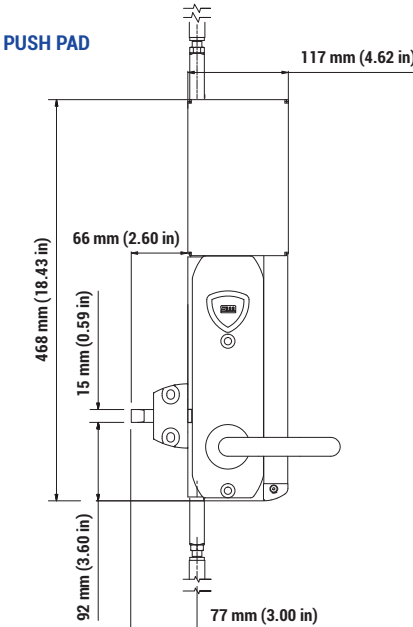
SLIMLINE PANIC BAR & PUSH PAD



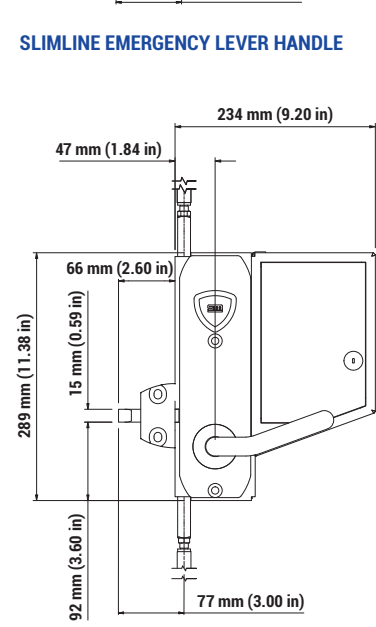
SLIMLINE EMERGENCY LEVER HANDLE



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)

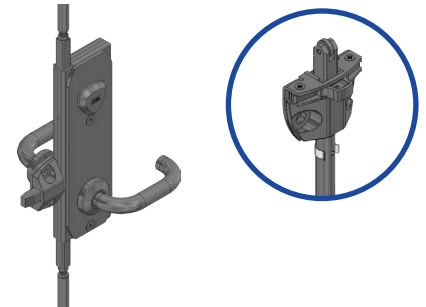
LOCKING SYSTEM	PEAK PRESSURE (CATEGORY 3 RESPONSE)	
	kPa	PSI
3-Point Outward Opening	102	14.7
5-Point Outward Opening	166	24
3-Point Inward Opening	61	8.8
5-Point Inward Opening	99	14.3

SLIMLINE HIGH BLAST LEVEL (OPTION D25)

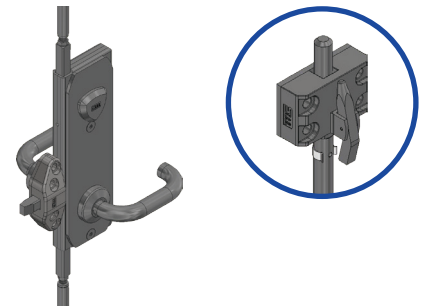
LOCKING SYSTEM	PEAK PRESSURE (CATEGORY 3 RESPONSE)	
	kPa	PSI
3-Point Outward Opening	681	98.7
5-Point Outward Opening	1108	160.7
3-Point Inward Opening	408	59.1
5-Point Inward Opening	664	96.3

* 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.

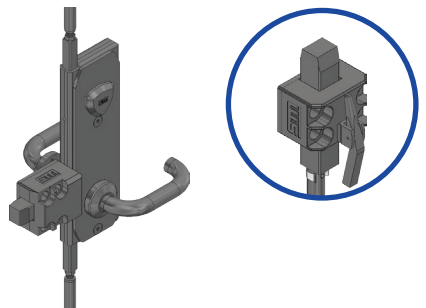
STANDARD



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)



The Foyle is a mechanical latch system designed for facilities requiring controlled access and emergency lock-down capability. It is typically used in high-risk or secure environments, where free egress must be maintained during normal operation and lock-down events.

The Foyle provides controlled day-to-day access with free egress via a lever handle. The red lock-down button primes the security bolts to deploy automatically when the door closes, disabling access control entry while maintaining external key override.

Manufactured from Grade 316 stainless steel, the Foyle is suited for corrosive or demanding environments. The system meets a range of international security and life-safety certifications.

FEATURES

- Access control for day-to-day latch securing
- Red-button activates rapid lockdown:
Fires anti-siege/security bolt(s)
Disables access control entry
- Clear visual lockdown status indication
- Bolt and deadlocking status monitoring
- Single-action emergency egress at all times
- 15 mm (5/8") security bolts with 25 mm (1") throw
- Based on the Surelock McGill Slimline design for proven strength and longevity
- Grade 316 stainless steel construction for hostile environments and durability
- Infinite Restraint - continuous security bolt(s) retention prevents lock and frame impact during operation
- 12V or 24V DC fail secure
- Fixings & keeps provided as standard

OPTIONAL ENHANCEMENTS

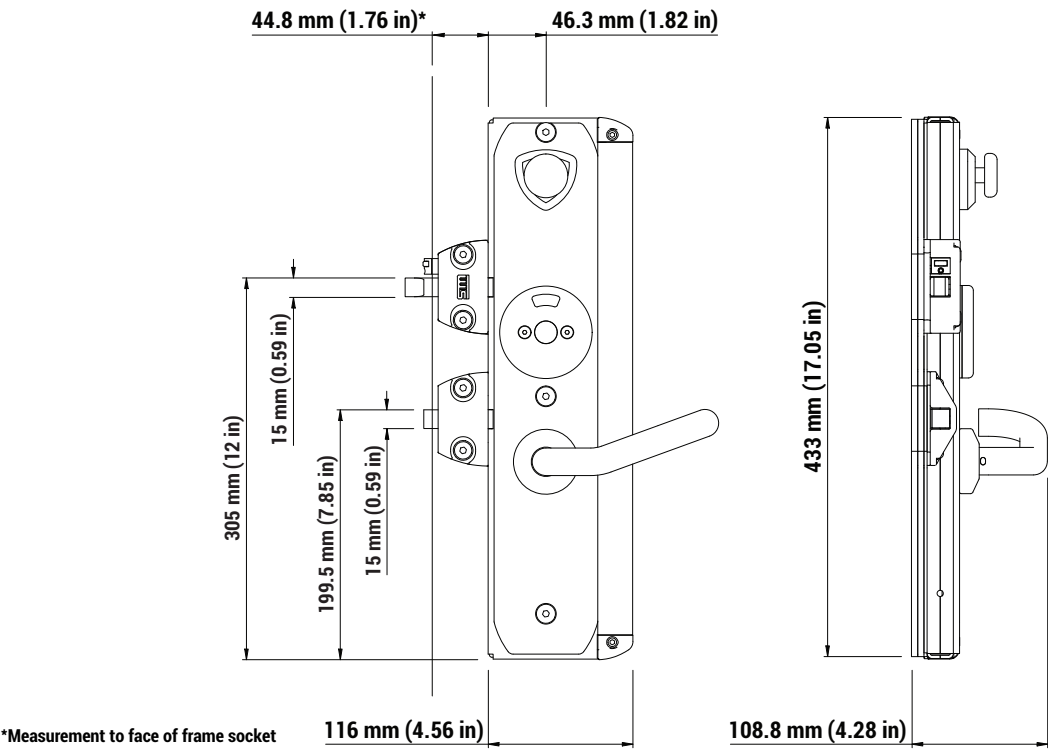
- In case of power failure or compromised access control, access can still be granted via key override (if requested)
- Cylinder guard protection available from our tested and accredited range

Refer to self coding system for available bolting direction



EXAMPLE FOYLE SYSTEM:
SINGLE POINT = F01A
MULTI-POINT = F03B

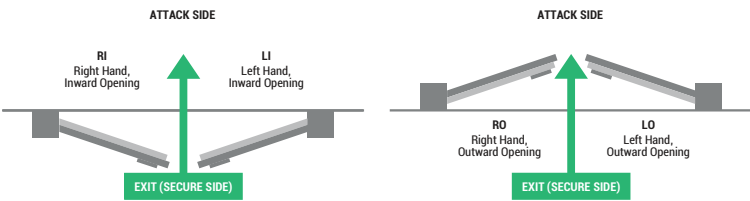
FOYLE TECHNICAL DRAWINGS



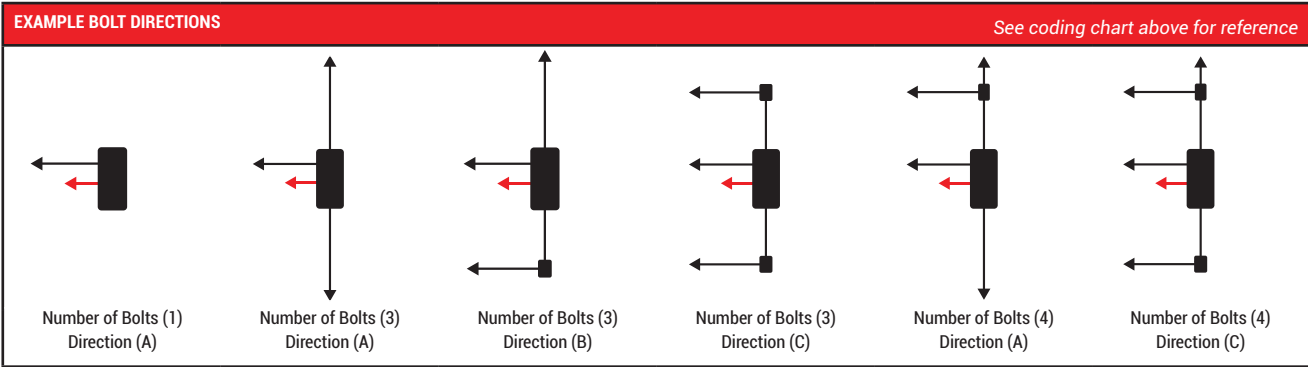
SELF CODING SYSTEM

The Foyle has a structured ordering code that covers the chosen methods of entry, securing and exit methods. Additional enhancements can be added to further customise the device.

EXAMPLE ORDER CODE: F01A-AMLS-AA-LMLE



PRODUCT			ENTRY		SECURING		EXIT	
RANGE		BOLTS	UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
FO	Foyle	1-4	A	Access control	AA	Auto bolting / Auto deadlocking	L	Single Handed / Panic - Emergency
BOLT DIRECTION		BOLT RETRACTION					BOLT RETRACTION	
A-C	Vertical & Horizontal Bolt Variants	M	Manual	M <td>Manual</td>			Manual	
		OPERATOR		OPERATOR				
		LS	Lever handle (Tubular straight)				LE	Lever handle (Tubular ergonomic)



← Position of latch

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 Foyle: GB2413650.9, US19/327597, US12559984 & GB2213884.6. In accordance with our policy of continual development and improvement we reserve the right to make changes in design and specifications without notice.

The MSR is a cost-effective, multi-point bolting system, designed for commercial doors to secure high-value sites.

Single motion release by lever handle or panic bar makes this system suitable to secure exit doors and provide life-safety egress. An optional lockable external trim provides key entry for authorized personnel. The robust design and stainless steel construction of the MSR will assist in protecting your facility and provide durability.



FEATURES

- Surface mounted for maximum strength
- 2 to 3 point bolting options available*
- 20 mm (3/4") x 16.5 mm (5/8") central bolt plus 14 mm (9/16") A/F hex. top & bottom bolts x 20 mm (3/4") throw
- Stainless steel construction for corrosion resistance and durability
- Tested to over 1,000,000 cycles

BENEFITS

- Door automatically secured against physical attack
- Certified to a range of international standards (see Product Performance Chart)
- Engineered for longevity and trouble-free service

OPTIONAL ENHANCEMENTS

- Monitoring of bolt status
- External lockable trim to provide key entry for authorized personnel
- Further enhancements are available

*Single-Point available

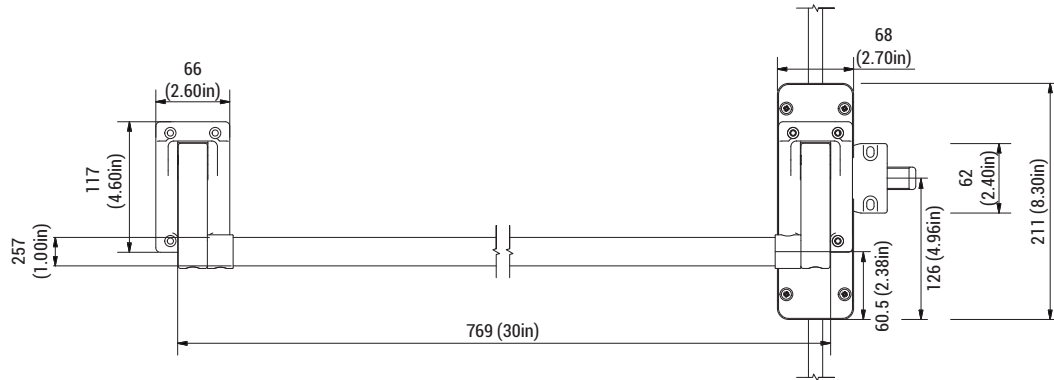
PRODUCT PERFORMANCE CHART

☐ 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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5			EN 179	UL752 Level 1-10	ASTM F2927 Cat 1	EN 1634-1	GR4	500K
10 MIN									180 SEC					15	RC4	BR4		UL 305	NIJ 0108.01 Level 1-4	CERTIFIRE			GR3	
5 MIN									120 SEC						RC3	BR3		BS 476-22	GR2	200K				
3 MIN	A3	B3							60 SEC					5	RC2	BR2		GR1						
1 MIN									30 SEC						RC1	BR1								

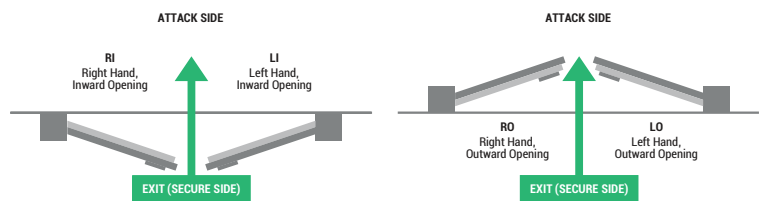
MSR MULTI-POINT TECHNICAL DRAWING



SELF CODING SYSTEM

The MSR (MS) 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: MS3A-XXXX-AB-LMPB



PRODUCT			ENTRY		SECURING		EXIT	
RANGE		BOLTS	UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
MS	MSR	2–3	X	None	AB	Auto bolting only	X	None
BOLT DIRECTION			H	Lockable handle (Key/Padlock)			L	Single Handed / Panic – Emergency
A	Vertical bolts, Horizontal bolt		BOLT RETRACTION				BOLT RETRACTION	
			X	None			M	Manual
			M	Manual			OPERATOR	
			OPERATOR				LS	Lever handle (Tubular straight)
			XX	None			PB	Panic bar (Blade aluminium)
			LH	Lockable handle			PE	Panic bar (Tubular st/st)
							PP	Push pad

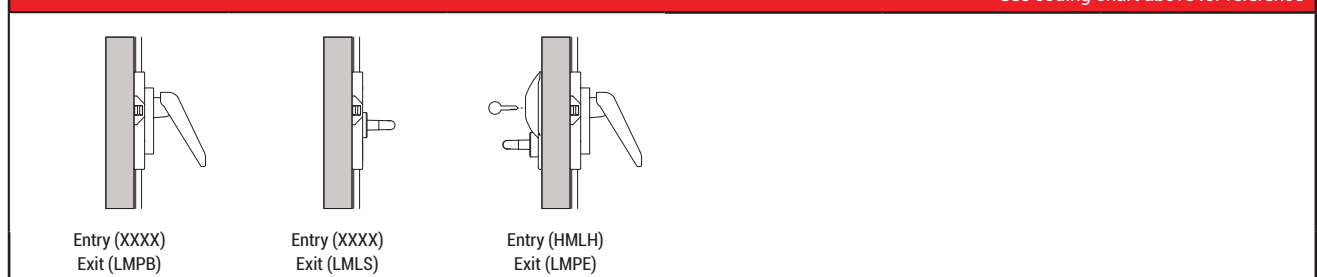
EXAMPLE BOLT DIRECTIONS

See coding chart above for reference



EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



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

The Zeus is a surface mounted, secure five-point bolting system designed especially for commercial hollow metal doors. Three stainless steel bolts secure horizontally into the frame, while two surface mounted hinge bolts offer additional strength onto the opposite side of the door.

Single motion egress by lever or panic bar makes this system a preferred choice emergency escape routes, while optional lockable trim provides external entry for authorized personnel.

FEATURES

- Surface mounted for maximum strength
- 20 mm (3/4") x 16.5 mm (5/8") center bolt, plus 14 mm dia (9/16") 15 mm dia round top and bottom bolts, all with 25 mm (1") throw
- Automatic bolting upon door closure
- 3 to 5 point bolting, including 2 fixed hinge bolts
- 2 Surface mounted hinge bolts
- Strikes and mounting hardware provided
- Panic bar or lever handle exit options
- Fully Stainless steel construction for corrosion resistance and durability
- Unhanded and Bi-directional, making specification easy
- Unique Infinite restraint.
- Certified life safety device under UL305
- Heavy duty astragal as standard

BENEFITS

- Simple and quick installation
- Straightforward upgrades of external doors
- Always provides single motion egress in an emergency
- Door automatically secured against physical attack
- Cost-effective locking solution
- Restraint holds bolts in open position throughout door swing, ensuring they do not release until the door has closed
- Engineered for durability and trouble free service

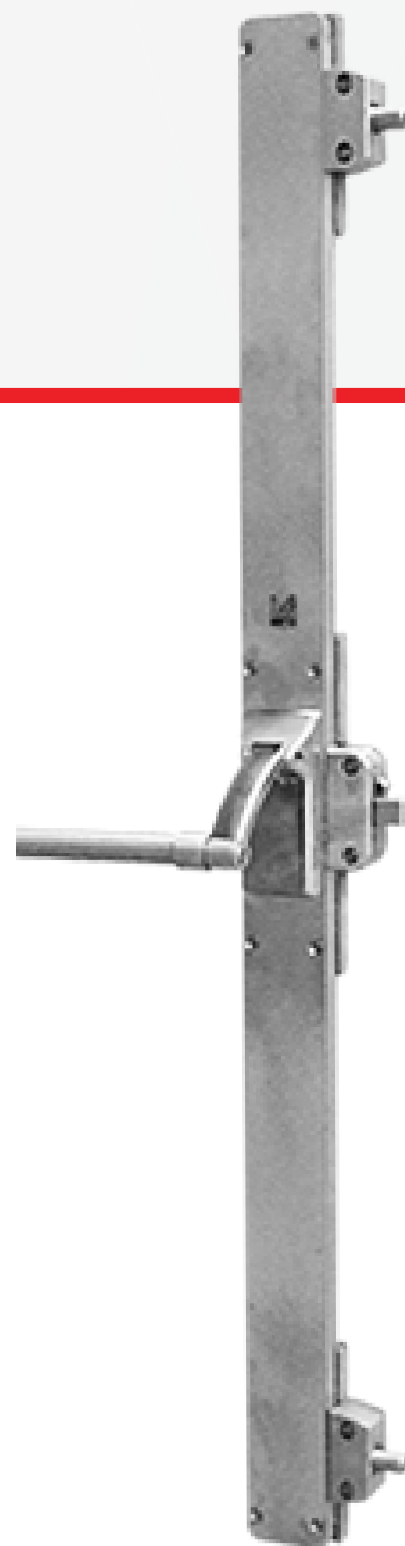
OPTIONAL ENHANCEMENTS

- External lockable trim to provide key entry for authorized personnel
- Optional vertical bolts for increased security

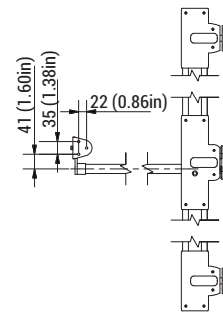
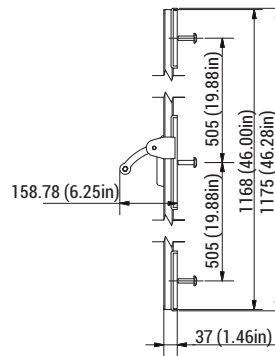
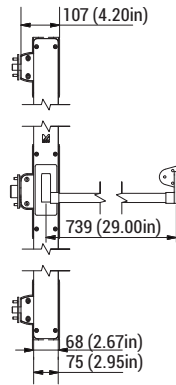
PRODUCT PERFORMANCE CHART

■ 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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5			EN 179	UL752 Level 1-10	ASTM F2927 Cat 1	CERTIFIRE	EN 1634-1	GR4
10 MIN									180 SEC					15	RC4	BR4		UL 305	NIJ 0108.01 Level 1-4	BS 476-22	GR3	200K		
5 MIN	A5	B5	C5	D5					120 SEC					5	RC3	BR3	UL 305	NIJ 0108.01 Level 1-4	BS 476-22	CERTIFIRE	GR2		200K	
3 MIN									60 SEC						RC2	BR2	UL 305	NIJ 0108.01 Level 1-4	BS 476-22	CERTIFIRE	GR1	200K		
1 MIN									30 SEC						RC1	BR1	UL 305	NIJ 0108.01 Level 1-4	BS 476-22	CERTIFIRE	GR1		200K	



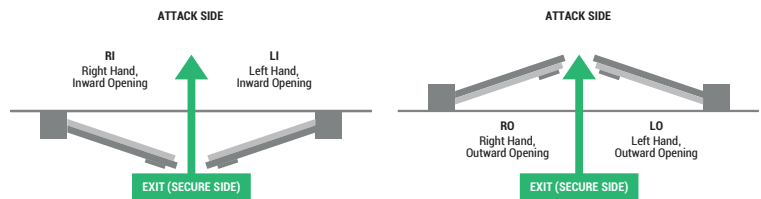
ZEUS TECHNICAL DRAWING



SELF CODING SYSTEM

The Zeus (ZE) 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.

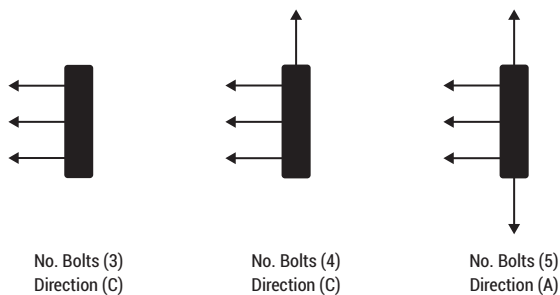
EXAMPLE ORDER CODE: ZE3C-XXXX-AB-LMPB



PRODUCT			ENTRY			SECURING			EXIT		
RANGE		BOLTS	UNLOCKING			UPON DOOR CLOSURE			UNLOCKING		
ZE	Zeus	3 – 7	X	None		AB	Auto bolting only		X	None	
BOLT DIRECTION			H	Lockable handle (Key/Padlock)					L	Single Handed / Panic - Emergency	
C	Horizontal bolts		BOLT RETRACTION						BOLT RETRACTION		
A	Vertical bolts, Horizontal bolts		X	None					M	Manual	
			M	Manual					OPERATOR		
			OPERATOR						XX	None	
			XX	None					PE	Panic bar (Tubular st/st)	
			LH	Lockable handle					PS	Push pad (Stainless steel)	

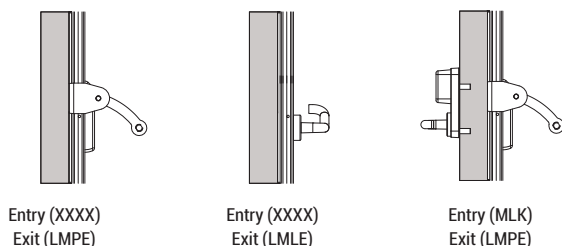
EXAMPLE BOLT DIRECTIONS

See coding chart above for reference



EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



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

Designed specifically for oversized doors, the Coniston is a heavy duty, manually operated, surface mounted bolting solution. The Coniston provides the optimal solution for blast, acoustic, flood and pressurised sealing doorsets, as well as heavy duty industrial applications.

Available in three sizes, the Coniston range allows for a choice of bolt size and throw for extended bolt engagement. Manufactured in 316 grade stainless steel for hostile environments and durability.

FEATURES

- Two point bolting*
- Suitable for both swing and sliding doors
- Choice of 90° or 180° handle rotation for increased bolt engagement
- Manual bolt operation
- Unhanded
- Standard package suits doors up to 2.7 m (9 ft) - with optional extensions to 7.3 m (24 ft)
- Round bottom bolt for ease of floor preparation
- Square top bolt with angled lead-in for door alignment
- Tested to over 1,000,000 cycles
- 316 grade stainless steel for hostile environments and durability

BENEFITS

- Engineered for longevity and trouble free service
- Rack and pinion design providing smooth and controlled operation
- Ideal for blast pressures, acoustic, flood and pressurised or unequal pressure and sealing doorsets, as well as general heavy duty industrial applications
- Designed for overheight doors
- Choice of extended bolt throw
- Choice of bolt shape, size and lead-in

OPTIONAL ENHANCEMENTS

- External handle
- Deadlocking module
- Deadlocking module with visual indicator panel
- Auxiliary horizontal bolts

*Additional horizontal bolting positions available

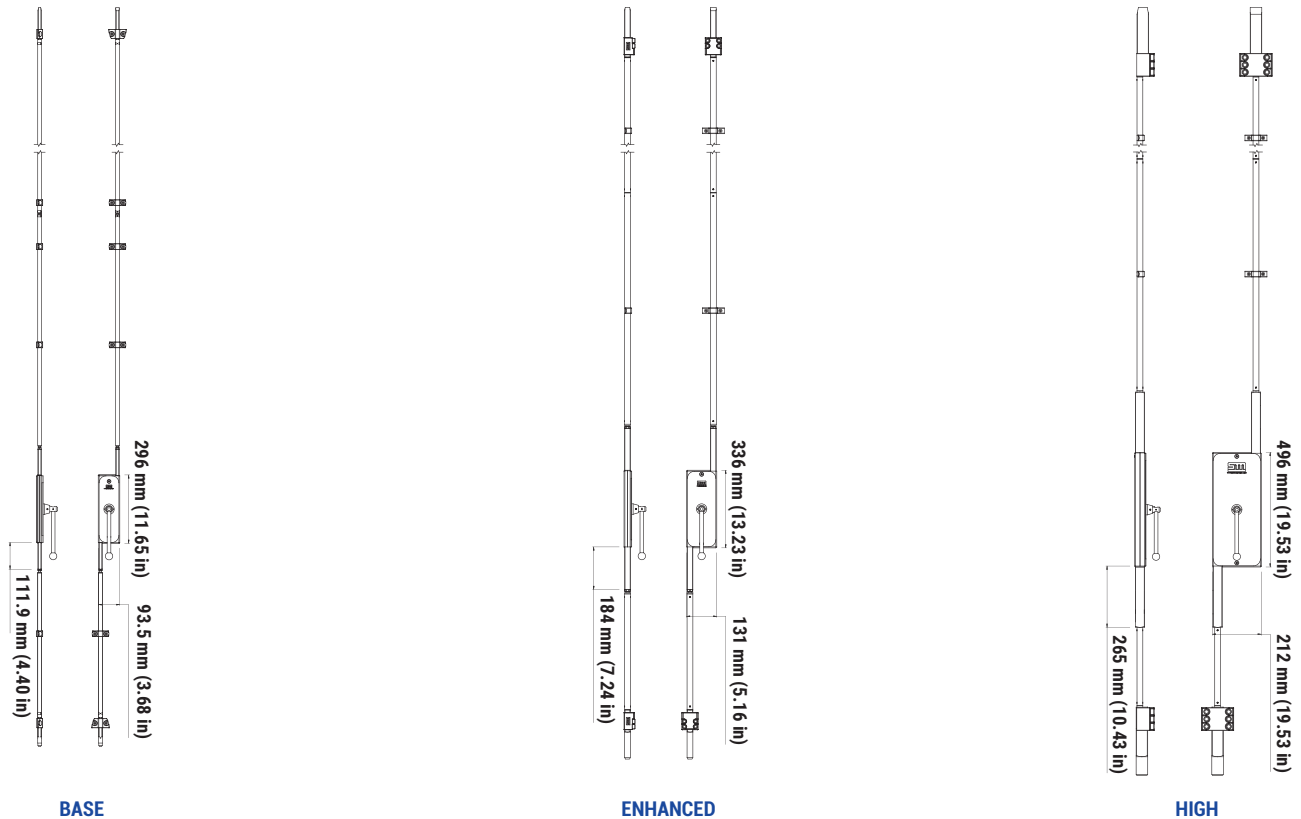


PRODUCT PERFORMANCE CHART

☐ 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	TIME	A	B	C	D		
Issue 8	A	B	C	D	E	F	G	H	TIME	A	B	C	D											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5			EN 179	UL752 Level 1-10		EN 1634-1		
10 MIN									180 SEC					15	RC4	BR4		SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR3	200K
5 MIN									120 SEC						RC3	BR3							GR2	
3 MIN									60 SEC					5	RC2	BR2	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR2	200K		
1 MIN									30 SEC						RC1	BR1					GR1			

CONISTON RANGE TECHNICAL DRAWINGS



CONISTON CONFIGURATIONS

PRODUCT		BOLT SIZES		THROW	
RANGE		BOLT SIZES AS STANDARD	OPTIONAL ENHANCED GUIDES/BOLTS	90° THROW	OPTIONAL 180° THROW ENHANCEMENT
CB	Coniston Base	15 mm bolts	Reinforced 15 mm (D15) guides & 25 mm (D25) bolts	47 mm	94 mm (G02)
CE	Coniston Enhanced	25 mm (D25) bolts	50 mm (D50) bolts	61 mm	122 mm (G02)
CH	Coniston High	50 mm (D50) bolts	75 mm (D75) & 100 mm (D100) bolts	111 mm	222 mm* (G02)

*Nom. overall dims

SELF CODING SYSTEM

The Coniston range has a structured ordering code that covers the chosen model, methods of entry, securing and exit, followed by the bolt type. Additional enhancements can be added to further customise.

EXAMPLE ORDER CODE: CB2A-XXXX-MB-LMBL-XX-E1

EXAMPLE BOLT DIRECTIONS			
2A	2D	3H	4F

PRODUCT		ENTRY		SECURING		EXIT		PRIMARY LOCK OPTIONS		BOLTS	
RANGE		UNLOCKING		UPON DOOR CLOSURE		UNLOCKING		OPTIONS		BOLT SIZE	
CB	Coniston Base	X	None	MA	Manual bolting / auto deadlocking	X	None	B08	8 mm packing	D15	Reinforced 15 mm guides
CE	Coniston Enhanced	K	Key			K	Key	B10	10 mm packing	D25	25 mm bolt ends
CH	Coniston High	A	Access control	MM	Manual bolting / manual deadlocking	T	Thumbturn	B12	12 mm packing	D50	50 mm bolt ends
BOLT QUANTITY		L	Single handed			L	Single handed	B15	15 mm packing	D75	75 mm bolt ends
2	Standard	BOLT RETRACTION		MB	Manual bolting	BOLT RETRACTION		E(X)	Height extensions	D100	100 mm bolt ends
3-4	Additional Bolts	X	None			M	Manual	G02	180 ° handle rotation		
BOLT DIRECTION		M	Manual			OPERATOR		W03	Metric machine screws		
A	Top and bottom bolts	OPERATOR				BL	Ball lever handle	W10	Imperial machine screws		
D-H	Other Variants	XX	None								
		BL	Ball lever handle								

(x) - denotes additional tube length in metres

GATE LOCKING



	GATE LOCKING MOORGATE RANGE ALDgate PALISADE VEHICULAR PALISADE PEDESTRIAN PURBROOK-GT SGL GSR							
PAGE	52	56	58	60	62	64	66	INSTALLATION
	•	•	•	•	•	•		SURFACE MOUNTED
	•	•					•	MORTICE FITTED
ENTRY FUNCTION (OPTIONS)								
						•		KEY
	•	•	•	•	•			KEY & LEVER / KNOB
	•	•	•	•	•	•		ACCESS CONTROL
	•							HANDS FREE MOTORISED
	•							COMBINATION LOCK & / OR LEVER
	•				•		•	PADLOCKABLE / LOCKABLE OPERATOR
EXIT FUNCTION (OPTIONS)								
		•				•		KEY
		•				•		ACCESS CONTROL
	•	•			•		•	EMERGENCY LEVER HANDLE
	•	•						KEY & LEVER HANDLE
			•	•				KEY, KNOB & SLIDE BAR
			•	•				ACCESS CONTROL & SLIDE BAR
	•	•			•			THUMBTURN & LEVER HANDLE
	•							BREAKDOME & LEVER HANDLE
	•	•			•			ACCESS CONTROL & LEVER HANDLE
	•							HANDS FREE MOTORISED
		•	•	•				THUMBTURN WITH SLIDE BAR
		•	•	•				BREAKGLASS DOME & SLIDE BAR
LOCK FUNCTION (OPTIONS)								
	•	•	•	•	•			AUTO DEADLOCKING
	•	•	•	•	•			MANUAL DEADLOCKING
	•							NO DEADLOCKING
BOLTING FUNCTION (OPTIONS)								
	•				•	•	•	AUTO BOLTING
	•	•	•	•				MANUAL BOLTING
PERFORMANCE								
	•				•			EN 1125
	•				•			EN 179
								UL 305
								UL 10C*
								EN 1634-1*
								CERTIFIRE*
								BS 476-22*
	•	•	•	•	•			LPS 1175
								LPS 1673*
								FEBR*
								EN 1627 *
								STS 202 *
								LPS 2081*
								PAS 24
								EN 1522*
								UL752*
								NIJ 0108.01*
								ISO 16933*
								ASTM F2927*
	•				•			EN 1670
								TESTING
								LIFE SAFETY
								FIRE
								SECURITY
								BALLISTIC
								BLAST
								CORROSION
								SEISMIC

* - When tested on selected doors

The Moorgate is a high performance multi-point locking system with unique opposing hook bolts, for sliding/hinged gates and doors. Tested and certified to internationally recognised standards for protection against forced entry, and subjected to vigorous testing in relation to blast, ballistic and fire protection. Moorgate 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 single motion egress for emergency exit is available to meet a wide range of requirements. Manufactured in 316 stainless steel for hostile environments and durability.

FEATURES

- Available for mortice, or surface mounted
- 3 to 7 point bolting positions
- Two 44 mm (1 3/4") x 10 mm (3/8") hook bolts, plus a 15 mm (5/8") square center-bolt x 25 mm (1") throw
- Unique opposing hook design
- 316 grade stainless steel construction for hostile environments and durability
- Proven rack & pinion driven
- To suit Rim and Euro Profile cylinders (order cylinder separately)

BENEFITS

- Prevents lift-off attack
- 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 a wide 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
- Pre-installed in a structural steel rectangular tube section, for fast on-site retro-fitting

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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5								EN 1634-1
10 MIN									180 SEC					15	RC4	BR4			EN 179	UL752 Level 1-10			GR4	500K
5 MIN	A5	B5	C5						120 SEC						RC3	BR3	SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	BS 476-22	GR3	200K
3 MIN									60 SEC					5	RC2	BR2							GR2	
1 MIN									30 SEC						RC1	BR1							GR1	



ENTRY FUNCTION (OPTIONS)

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

EXIT FUNCTION (OPTIONS)

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)

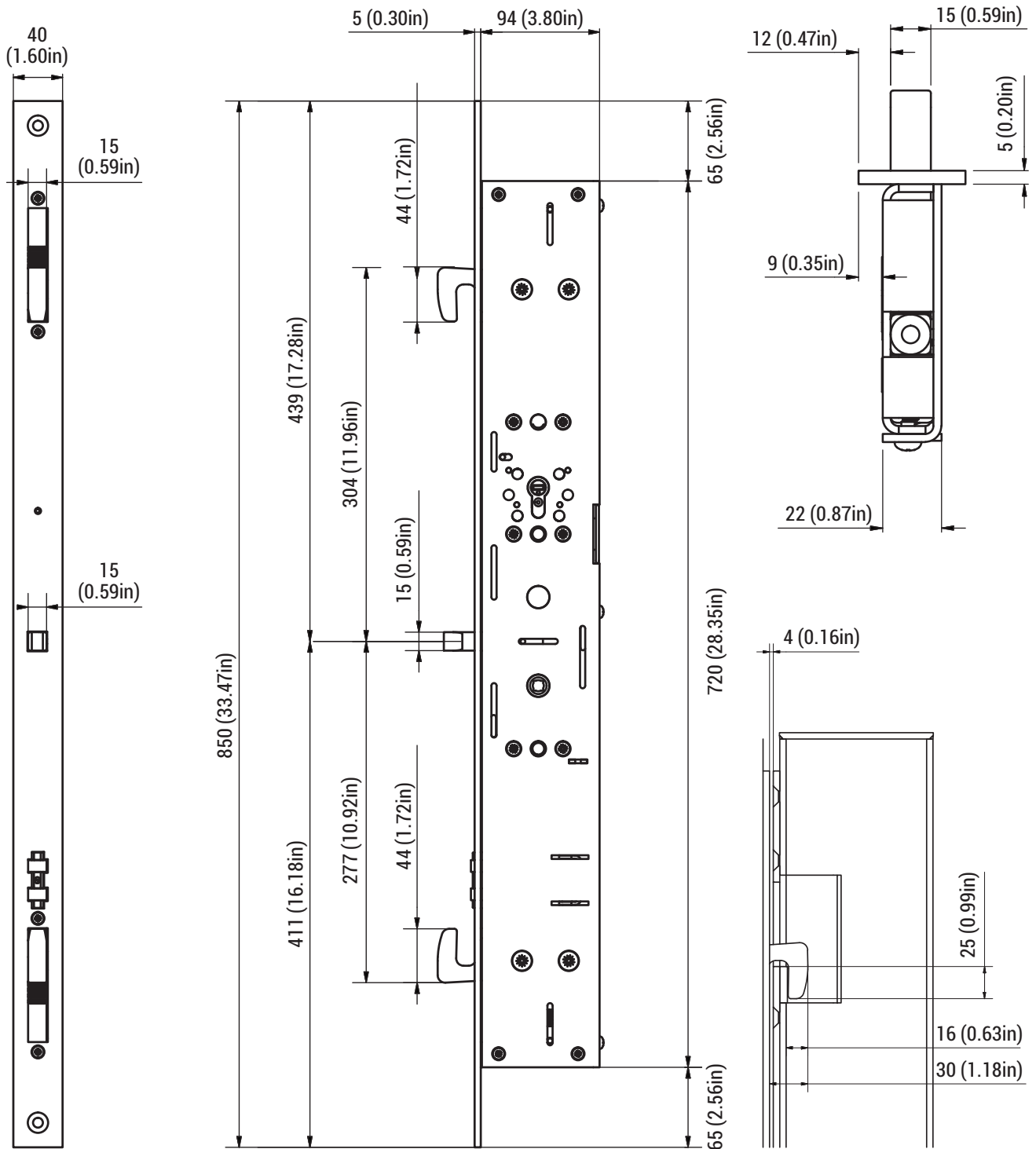
AUTO DEADLOCKING	Automatic deadlocking upon door closure (Storeroom function)
MANUAL DEADLOCKING	Manual deadlocking upon door closure (Classroom function)
NO DEADLOCKING	Panic & emergency exit only

BOLT FUNCTION (OPTIONS)

AUTO BOLTING	Automatic bolting upon door closure
MANUAL BOLTING	Manual bolting



MOORGATE TECHNICAL DRAWING



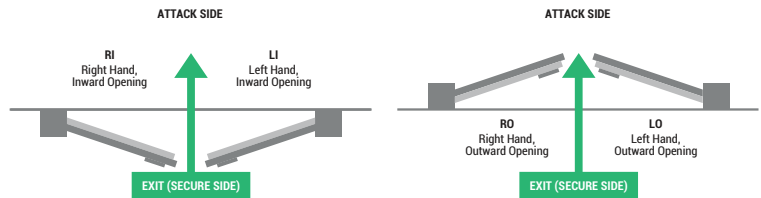
Intellectual Property Rights

All Surelock products are the subject to intellectual property rights. These include pending and approved patent and design rights, in particular to the Moorgate: GB2458893. In accordance with our policy of continual development and improvement we reserve the right to make changes in design and specifications without notice.

SELF CODING SYSTEM

The Moorgate multi-point (MO) 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: MG3A-KMLS-AA-LMLS



PRODUCT		ENTRY		SECURING		EXIT	
RANGE	BOLTS	UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
MG	Moorgate	3 – 8	X None	AA	Auto bolting / Auto deadlocking	X	None
BOLT DIRECTION		K	Key	AM	Auto bolting / Manual deadlocking	K	Key
C	Horizontal bolts (Standard)	H	Lockable handle (Key / Padlock)	AB	Auto bolting only	A	Access control
A-F	Other variants	A	Access control	MB	Manual bolting only	T	Thumbturn
		C	Combination lock			L	Single Handed / Panic - Emergency
		BOLT RETRACTION				BOLT RETRACTION	
		X	None			X	None
		M	Manual			M	Manual
		P	Motorised Bolt Retraction			P	Powered (Electric)
		OPERATOR				OPERATOR	
		XX	None			XX	None
		LS	Lever handle (Tubular straight)			LS	Lever handle (Tubular straight)
		US	Profile handle (Straight)			LE	Lever handle (Tubular ergonomic)
		LH	Lockable handle			US	Profile handle (Straight)

EXAMPLE BOLT DIRECTIONS						See coding chart above for reference
No. Bolts (3) Direction (C)	No. Bolts (4) Direction (C)	No. Bolts (5) Direction (A)	No. Bolts (6) Direction (A)	No. Bolts (6) Direction (B)	No. Bolts (6) Direction (C)	

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

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

MOORGATE ACCESS CONTROL & MOTORISED POWER CONSUMPTION

SYSTEM	OPTION CODE	VOLTAGE	POWER CONSUMPTION PER SOLENOID	CURRENT DRAW PER SOLENOID	RECOMMENDED POWER SUPPLY
					SINGLE SOLENOID
12 V – Energise to unlock	R (Standard)	12 V	10 W	0.8 A	12 V 1.5 A
24 V – Energise to unlock	R1	24 V	10 W	0.4 A	24 V 1.0 A
12 V – Energise to lock	R2	12 V	10 W	0.8 A	12 V 1.5 A
24 V – Energise to lock	R3	24 V	10 W	0.4 A	24 V 1.0 A

The Aldgate is a high-durability, single point hook lock for sliding gates and doors. With automatic securing upon closure, the hook-and-catch system will automatically secure the hook bolt into the frame of the door or gate.

To prevent unauthorised external access the Aldgate is available as either bolting only, key or access control deadlocking. Manufactured in 316 grade stainless steel for hostile environments and durability.



FEATURES

- Surface mounted or mortice fitted solutions
- Hook bolt with 38 mm projection and able to withstand extreme pulling forces
- Adjustable roller restraint
- Auto or manual deadlocking
- Deadlock release by thumbturn, key or access control
- Hook bolt retracted via lever handle
- Tested to 1,000,000 cycles
- To suit Rim, Euro Profile and Scan Oval cylinders (order cylinder separately)
- 12V DC fail secure as standard on access control systems
- 316 grade stainless steel construction for hostile environments and durability

BENEFITS

- High durability design and construction
- Smooth, effective, and reliable operation
- Adjustable roller restraint offers easy adjustment on site

OPTIONAL ENHANCEMENTS

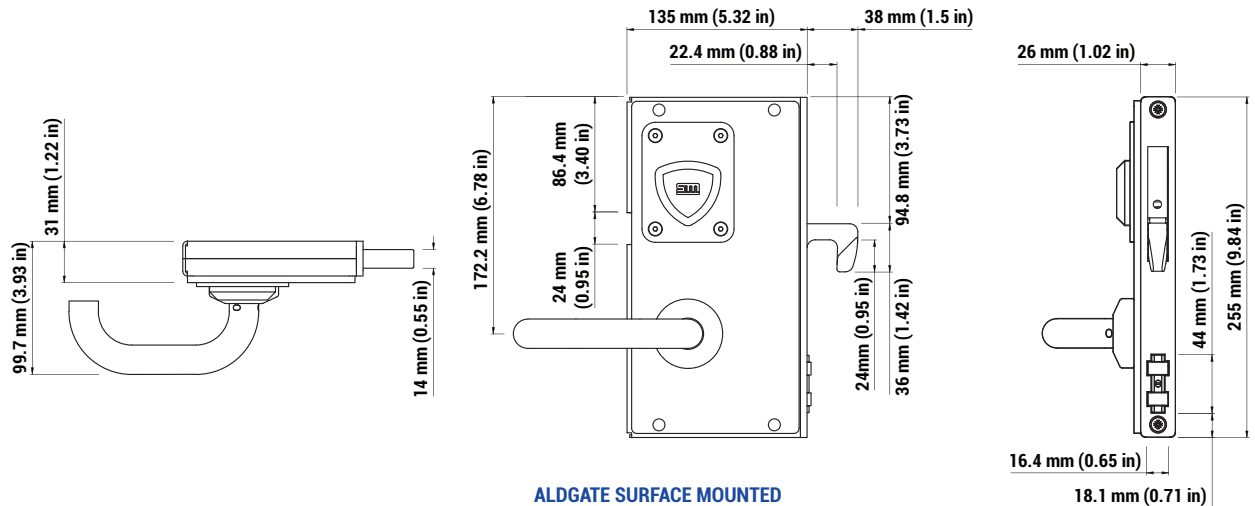
- Monitoring of bolt & lock status (as standard with access control systems)
- External key override on access control locking systems, in case of power failure
- Cylinder guard protection available from our tested and accredited range (Euro Profile only on mortice systems)
- Breakdome over thumbturn to override access control and enable exit
- 24V DC fail secure, 12V DC or 24V DC fail safe

PRODUCT PERFORMANCE CHART

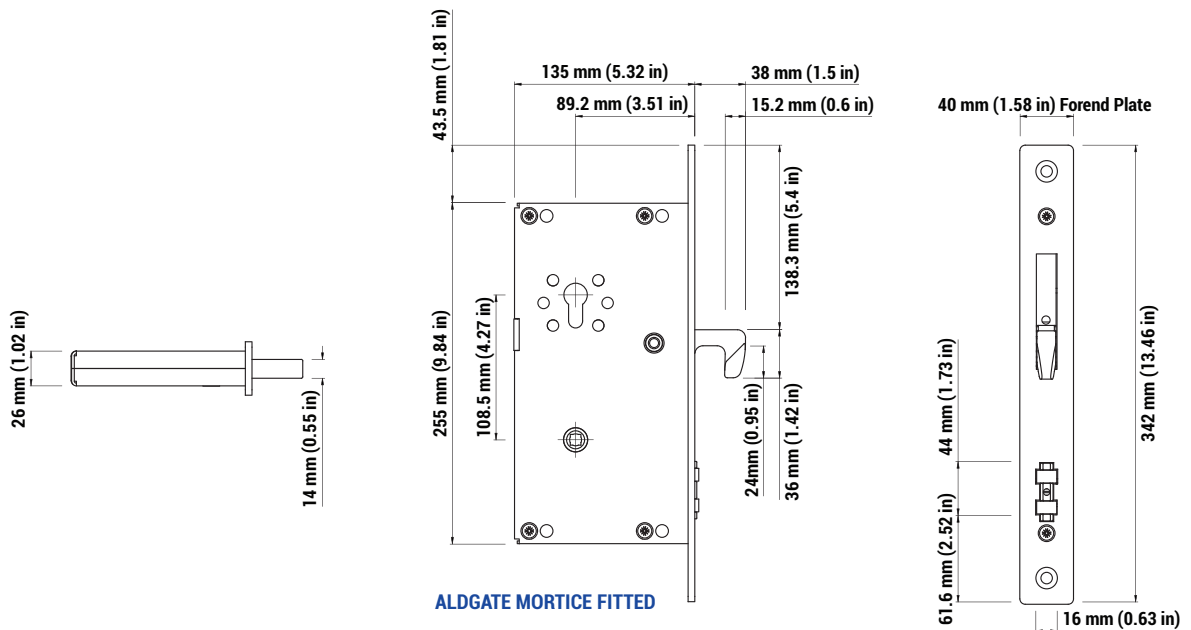
☐ Indicates product has been certified, or tested & approved as part of a complete doorset assembly.
Product certification is subject to the chosen lock configuration, for full details please contact the sales office.

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													
20 MIN									300 SEC						60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL	
15 MIN									240 SEC							RC5	BR5			EN 179	UL752 Level 1-10	ASTM F2927 Cat 1	EN 1634-1	GR4		
10 MIN									180 SEC						15	RC4	BR4		UL 305	NIJ 0108.01 Level 1-4	BS 476-22	CERTIFIRE	GR3	500K		
5 MIN									120 SEC							RC3	BR3						GR2			
3 MIN									60 SEC						5	RC2	BR2									
1 MIN									30 SEC							RC1	BR1					BS 476-22	GR1	200K		

ALDGATE TECHNICAL DRAWINGS



ALDGATE SURFACE MOUNTED



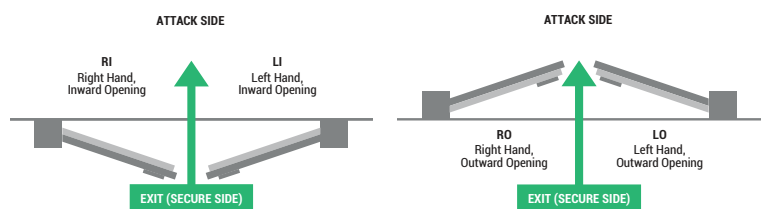
ALDGATE MORTICE FITTED

SELF CODING SYSTEM

The Aldgate (AS) and mortice version (AM) have structured ordering codes that cover the product, entry, securing and exit configuration. Additional enhancements can be added to further customise.

EXAMPLE ORDER CODE:

AM1A-KMLS-AM-KMLS



PRODUCT			ENTRY			SECURING			EXIT	
RANGE		BOLTS	UNLOCKING			UPON DOOR CLOSURE			UNLOCKING	
AS	Surface	1	X	None		AA	Auto bolting / Auto deadlocking		X	None
AM	Mortice		K	Key		AM	Auto bolting / Manual deadlocking		K	Key
BOLT DIRECTION			A	Access control		AB	Auto bolting only		A	Access control
A	Horizontal hook bolt		L	Single handed					T	Thumbturn
			BOLT RETRACTION						L	Single handed
			M	Manual					BOLT RETRACTION	
			OPERATOR						M	Manual
			LS	Lever handle (Tubular straight)					OPERATOR	
									LS	Lever handle (Tubular straight)

The Palisade Vehicular is an extreme heavy-duty manual sliding-bar locking system for hinged gates with 125 mm (5") engagement. Engineered to offer multiple entry and exit methods, the range is versatile and suitable for most applications.

Entry methods include key or access control with manual slide bar release. A choice of controlled or single-motion egress for emergency exits is available to meet a wide range of requirements. Manufactured in Grade 316 stainless steel for hostile environments and durability.

FEATURES

- Surface-mounted for maximum strength
- 100 mm (4") x 15 mm (5/8") sliding bar with a 125 mm (5") throw
- Choice of automatic or manual deadlocking
- Grade 316 stainless steel construction for hostile environments and durability
- Independent padlocking
- Tested to over 1,000,000 cycles
- To suit rim profile cylinders (order cylinder separately)
- 12V DC as standard

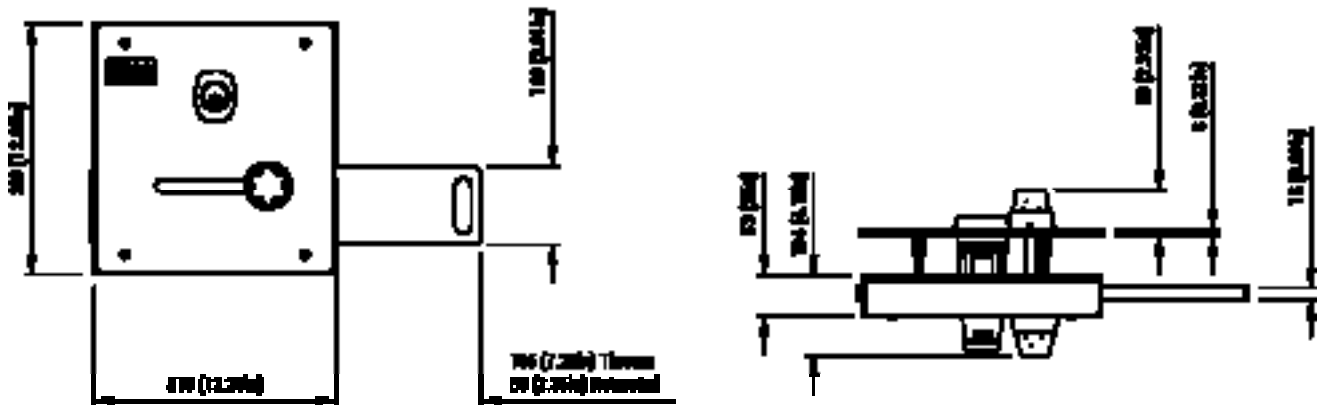
BENEFITS

- Tested and certified to LPS 1175: Issue 8 Security Rating G1
- Engineered for longevity and trouble-free service
- Retrofittable solution to upgrade existing gates

OPTIONAL ENHANCEMENTS

- Monitoring of bolt & lock status
- Cylinder guard protection available from our tested and accredited range
- Breakdome over thumbturn and lever handle to control exit
- 24V DC fail secure, 12V DC or 24V DC fail safe
- Further enhancements are available

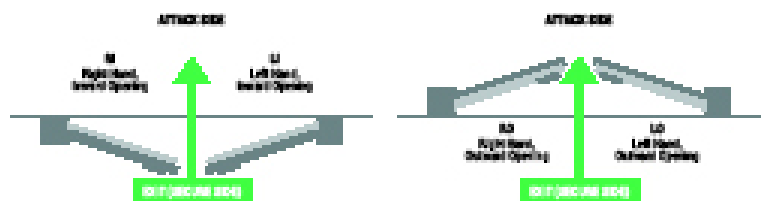
PALISADE VEHICULAR TECHNICAL DRAWINGS



SELF CODING SYSTEM

The Palisade Vehicular (PG) has a simple ordering code that covers the chosen methods of entry and exit, followed by the mounting and orientation codes. Additional enhancements can be added to further customise the device.

EXAMPLE ORDER CODE: PG1A-KMSK-MA-LMSK



PRODUCT			ENTRY			SECURING			EXIT					
RANGE		BOLTS	UNLOCKING			UPON DOOR CLOSURE			UNLOCKING					
PG	Palisade Vehicular	1	X	None		MA	Manual bolting / Auto deadlocking		X	None				
BOLT DIRECTION			K	Key		MM	Manual bolting / Manual deadlocking		K	Key				
A	Horizontal bolt		A	Access control					A	Access control				
			BOLT RETRACTION						T	Thumbturn				
			X	None					L	Single Operation				
			M	Manual					BOLT RETRACTION					
			OPERATOR						X	None				
			XX	None					M	Manual				
			KH	Knob handle					OPERATOR					
												XX	None	
												KH	Knob handle	

EXAMPLE BOLT DIRECTIONS

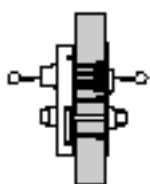
See coding chart above for reference



Number of Bolts (1)
Direction (A)

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



Entry (KMSK)
Exit (KMSK)



Entry (KMSK)
Exit (TMSK)



Entry (AMSK)
Exit (AMSK)

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

The Palisade Pedestrian is a heavy-duty manual sliding-bar locking system for hinged gates with 50 mm (2") engagement. Engineered to offer multiple entry and exit methods, the range is versatile and suitable for most applications.

Entry methods include key or access control with manual slide bar release. A choice of controlled or single-motion egress for emergency exits is available to meet a wide range of requirements. Manufactured in Grade 316 stainless steel for hostile environments and durability.

FEATURES

- Surface-mounted for maximum strength
- 50 mm (2") x 12 mm (1/2") sliding bar with a 50 mm (2") throw
- Choice of automatic or manual deadlocking
- Grade 316 stainless steel construction for hostile environments and durability
- Independent padlocking
- Tested to over 1,000,000 cycles
- To suit rim profile cylinders (order cylinder separately)
- 12V DC as standard

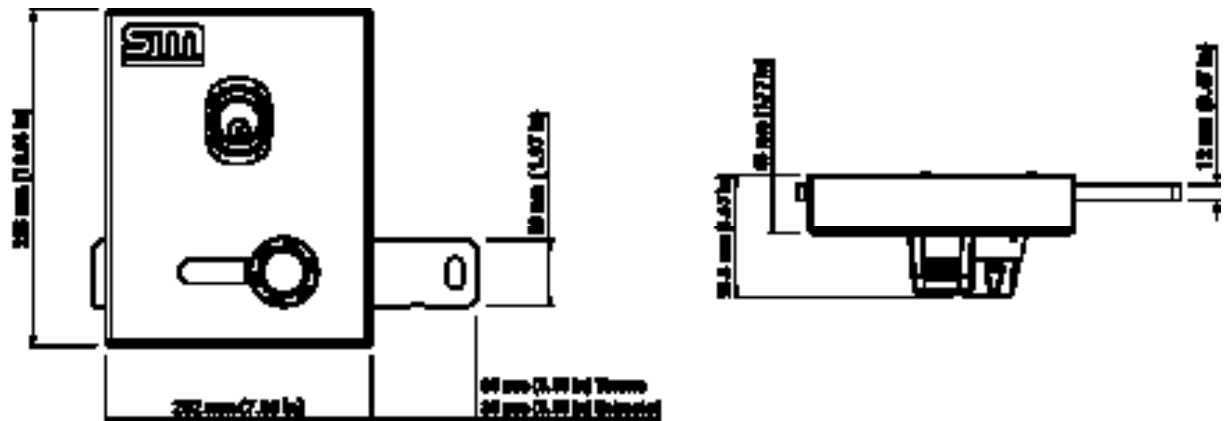
BENEFITS

- Tested and certified to LPS 1175: Issue 8 Security Rating D10
- Engineered for longevity and trouble-free service
- Retrofittable solution to upgrade existing gates

OPTIONAL ENHANCEMENTS

- Monitoring of bolt & lock status
- Cylinder guard protection available from our tested and accredited range
- Breakdome over thumbturn and lever handle to control exit
- 24V DC fail secure, 12V DC or 24V DC fail safe
- Further enhancements are available

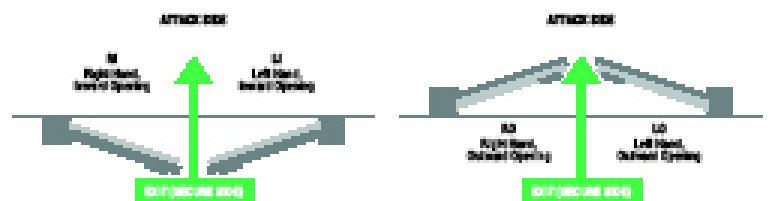
PALISADE PEDESTRIAN TECHNICAL DRAWINGS



SELF CODING SYSTEM

The Palisade Pedestrian (PP) has a simple ordering code that covers the chosen methods of entry and exit, followed by the mounting and orientation codes. Additional enhancements can be added to further customise the device.

EXAMPLE ORDER CODE: PP1A-KMSK-MA-LMSK



PRODUCT			ENTRY		SECURING		EXIT	
RANGE		BOLTS	UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
PP	Palisade Pedestrian	1	X	None	MA	Manual bolting / auto deadlocking	X	None
BOLT DIRECTION			K	Key	MM	Manual bolting / manual deadlocking	K	Key
A	Horizontal bolt		A	Access control			A	Access control
		BOLT RETRACTION		T			Thumbturn	
		X	None	L			Single operation	
		M	Manual	BOLT RETRACTION				
		OPERATOR		X			None	
		XX	None	M			Manual	
		KH	Knob handle	OPERATOR				
				XX			None	
				KH			Knob handle	

EXAMPLE BOLT DIRECTIONS

See coding chart above for reference



Number of Bolts (1)
Direction (A)

The 'Purbrook GT' is a strong, high performance single-point, surface mounted locking system, with 40mm (1 1/2") bolt engagement, adjustable to suit typical gate tolerances. Tested and certified to internationally recognised standards for protection against forced entry, and subjected to vigorous testing in relation to blast, ballistic and fire protection. The 'Purbrook GT' is incredibly versatile with multiple entry & exit methods, making it suitable for almost all applications.



Entry includes key deadlocking or access control with lever handle. A choice of controlled, or single motion egress for emergency exit compliant to BS EN 179. Manufactured in 316 stainless steel for hostile environments and durability.

FEATURES

- Surface mounted for maximum strength
- 25 mm (1") x 19.5 mm (3/4") bolt x 40 mm (1 1/2") throw
- 316 grade stainless steel construction for hostile environments and durability
- Tested to over 1,000,000 cycles
- To suit Rim Profile cylinders (order cylinder separately)
- Unhanded design on most specifications to provide installation flexibility.

BENEFITS

- Choice of securing upon door closure (automatic or manual)
- 10mm (3/8") adjustable trip mechanism, enables greater tolerances on gate install
- 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

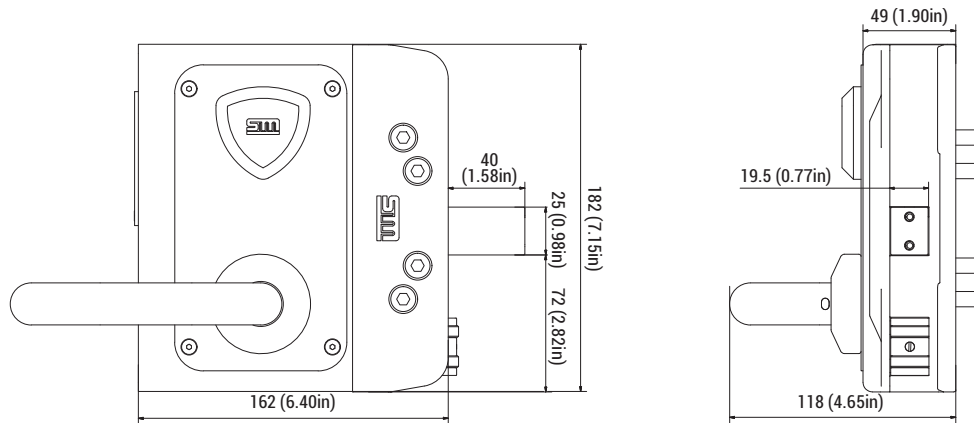
PRODUCT PERFORMANCE CHART

☐ 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													
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL		
15 MIN									240 SEC						RC5	BR5							EN 1634-1			
10 MIN	A10	B10	C10	D10	E10				180 SEC					15	RC4	BR4		SRA	EN 179	UL752 Level 1-10			GR4	500K		
5 MIN									120 SEC						RC3	BR3										
3 MIN									60 SEC					5	RC2	BR2			ASTM F2927 Cat 1	CERTIFIRE		GR3	200K			
1 MIN						F1	G1		30 SEC						RC1	BR1			UL 305	NIJ 0108.01 Level 1-4	BS 476-22	GR2				
																						GR1				

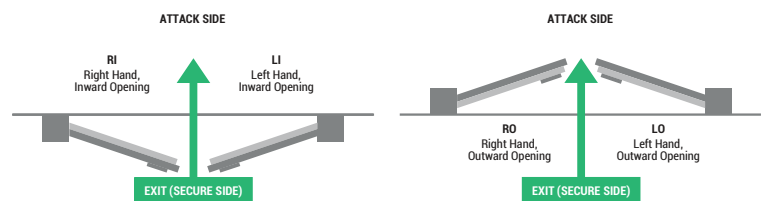
PURBROOK GT TECHNICAL DRAWING



SELF CODING SYSTEM

The Purbrook-GT (GT) has a simple ordering code that covers the chosen methods of entry and exit, followed by the mounting and orientation codes, additional enhancements can be added to further customise the device.

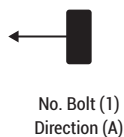
EXAMPLE ORDER CODE: GT1A-AMLS-AA-LMLS



PRODUCT			ENTRY		SECURING		EXIT	
RANGE		BOLTS	UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
GT	Purbrook-GT	1	X	None	AA	Auto bolting / Auto deadlocking	X	None
BOLT DIRECTION			K	Key	AM	Auto bolting / Manual deadlocking	K	Key
A	Horizontal bolt		A	Access control	AB	Auto bolting only	A	Access control
			BOLT RETRACTION				T	Thumbturn
			X	None			L	Emergency – Single operation
			M	Manual			BOLT RETRACTION	
			OPERATOR				X	None
			XX	None			M	Manual
			LS	Lever handle (Tubular straight)			OPERATOR	
			LE	Lever handle (Tubular ergonomic)			XX	None
			US	Profile lever handle (Straight)			LS	Lever handle (Tubular straight)

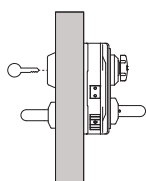
EXAMPLE BOLT DIRECTIONS

See coding chart above for reference

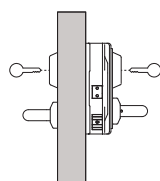


EXAMPLE ENTRY/EXIT DIRECTIONS

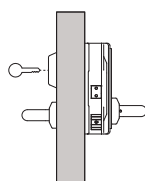
See coding chart above for reference



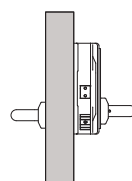
Entry (KMLS)
Exit (TMLS)



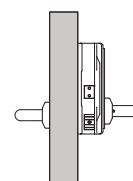
Entry (KMLS)
Exit (KMLS)



Entry (KMLS)
Exit (LMLS)



Entry (AMLS)
Exit (AMLS)



Entry (KMLS)
Exit (LMLS)

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

The 'SGL' is a heavy duty, surface mounted electro-mechanical bolt lock. Designed for high security perimeter gate installations. 'SGL' features a 24 volt powered solenoid bolt retraction, with automatic latching upon gate closure. An ideal choice where controlled access is required to a secure facility.



Controlled exit, with optional mechanical override in case of power failure, is available. Manufactured in 316 stainless steel for hostile environments and durability.

FEATURES

- Surface mounted for maximum strength
- 22 mm (7/8") diameter bolt x 20 mm (3/4") throw
- Fully Stainless steel construction for corrosion resistance and durability
- Tested to over 1,000,000 cycles
- Key override entry facility built in as standard
- To suit Rim and profile cylinders (order cylinder separately)

BENEFITS

- Automatically secured upon gate closure
- Easily integrated with any proprietary access control system
- Engineered for longevity and trouble-free service
- Easy retrofit, to upgrade existing gates

OPTIONAL ENHANCEMENTS

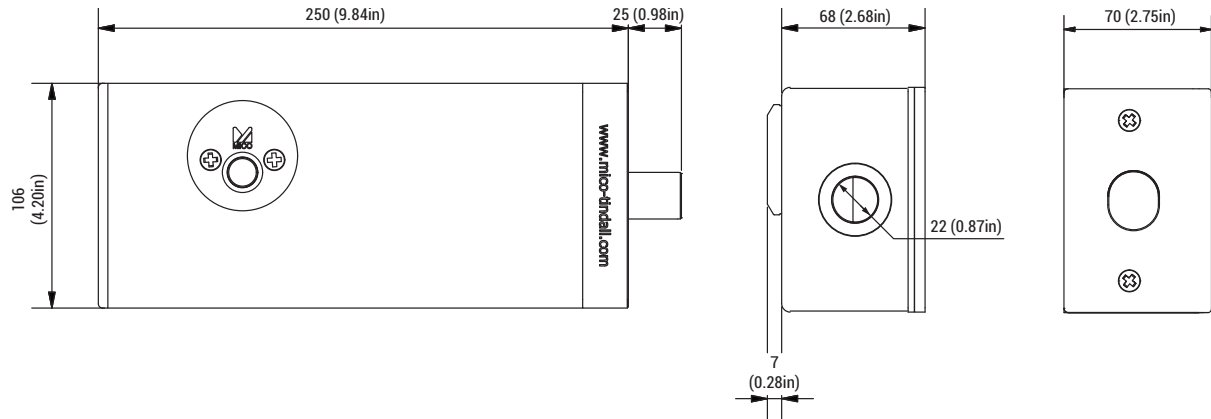
- Internal key override in case of power failure (order cylinder separately to activate)
- Cylinder guard protection available from our tested and accredited range
- Breakdome over thumbturn and lever handle to control exit

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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5							EN 1634-1	
10 MIN									180 SEC					15	RC4	BR4			EN 179	UL752 Level 1-10			GR4	500K
5 MIN									120 SEC						RC3	BR3					ASTM F2927 Cat 1	CERTIFIRE	GR3	
3 MIN									60 SEC					5	RC2	BR2	SRA	UL 305	NIJ 0108.01 Level 1-4		BS 476-22	GR2	200K	
1 MIN									30 SEC						RC1	BR1							GR1	

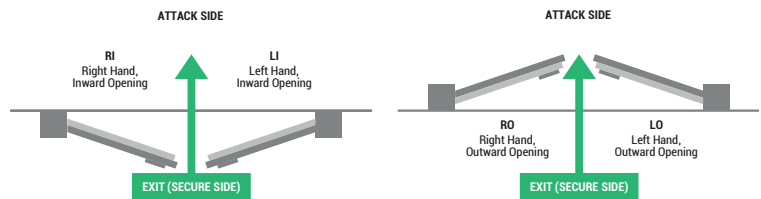
SGL TECHNICAL DRAWINGS



SELF CODING SYSTEM

The 'SGL' (SG) has a simple ordering code that covers the chosen methods of entry and exit, followed by the mounting and orientation codes, additional enhancements can be added to further customise the device.

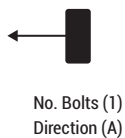
EXAMPLE ORDER CODE: SG1A-APXX-AB-APXX



PRODUCT			ENTRY		SECURING		EXIT	
RANGE		BOLTS	UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
SG	Solenoid gate lock	1	X	None	AB	Auto bolting only	X	None
BOLT DIRECTION			A	Access control			A	Access control
A	Horizontal bolt		K	Key			K	Key
			BOLT RETRACTION				T	Thumbturn
			X	None			BOLT RETRACTION	
			P	Powered (Electric)			X	None
			M	Manual			P	Powered (Electric)
			OPERATOR				M	Manual
			XX	None			OPERATOR	
			KK	Key			XX	None
							KK	Key
							TN	Thumbturn

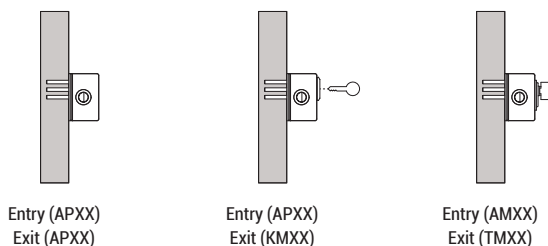
EXAMPLE BOLT DIRECTIONS

See coding chart above for reference



EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



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

The GSR is a high-performance single-point gatelocking solution with a mechanical keypad for code access and a 20 mm bolt throw. It is designed to secure high-footfall public areas that demand robust perimeter protection and controlled access.

The mechanical keypad with code access creates an additional line of defence against unauthorised entry and provides a keyless handle entry. The GSR is compatible with all MICO stainless steel panic and emergency operators to ensure reliable single-motion egress without compromising security.

The flexible design and footprint allow quick and easy fitting for retrofits and new installations. The durable stainless steel construction and high corrosion resistance make it ideal for hostile external conditions, ensuring the necessary endurance to protect your perimeters.



FEATURES

- Single locking point with 20 mm (0.78 inch) bolt throw through the gate post
- External push-button operation via mechanical keypad and code access
- Stainless steel handle, push bar and push-pad options provide single-motion egress for emergency and panic escape
- Adjustable roller bolt snib to take up variants in frame gap
- Adjustable design suits 40-50 mm gate posts as standard with other variants available on request
- Install kit available to suit round gate posts
- Brushed stainless steel construction as standard
- Self-handed operation
- Tested to over 1,000,000 cycles

BENEFITS

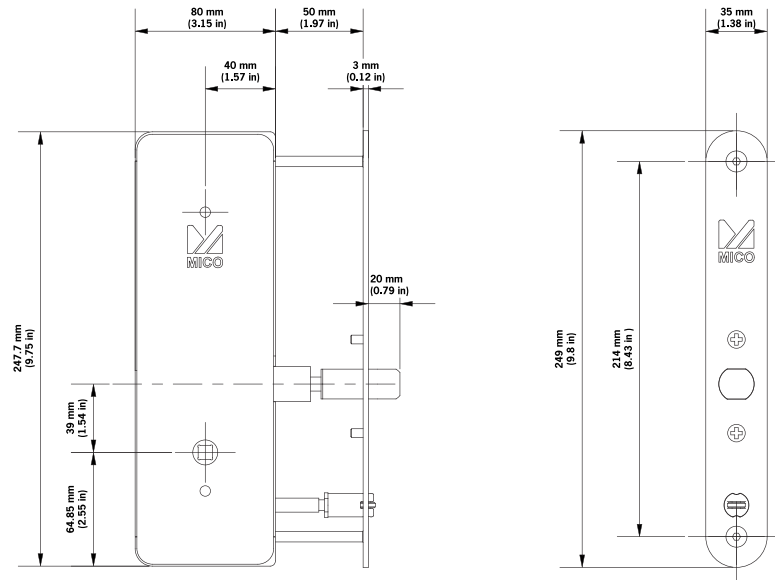
- Built-in anti-thrust mechanism for enhanced security
- Robust, heavy-duty lock case and furniture designed for high-traffic locations

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													
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL		
15 MIN									240 SEC						RC5	BR5			EN 179	UL752 Level 1-10		EN 1634-1			GR4	
10 MIN									180 SEC					15	RC4	BR4		UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR3	GR2		200K	
5 MIN									120 SEC						RC3	BR3		BS 476-22	GR1							
3 MIN									60 SEC					5	RC2	BR2										
1 MIN									30 SEC						RC1	BR1										

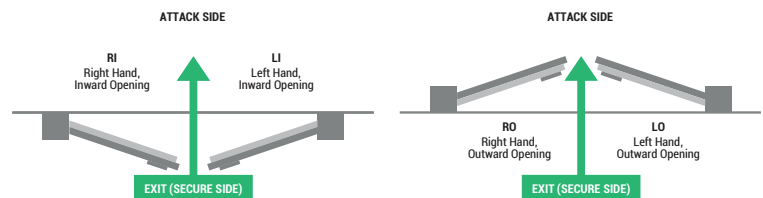
GSR TECHNICAL DRAWINGS



SELF CODING SYSTEM

The 'GSR' (GS) has a simple ordering code that covers the chosen methods of entry and exit, followed by the mounting and orientation codes, additional enhancements can be added to further customise the device.

EXAMPLE ORDER CODE: GS1A-HMLH-AB-LMPE



PRODUCT			ENTRY		SECURING		EXIT	
RANGE		BOLTS	UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
GS	GSR	1	X	None	AB	Auto bolting only	X	None
BOLT DIRECTION			H	Lockable handle (code)			L	Single handed
A	Horizontal bolt		BOLT RETRACTION				BOLT RETRACTION	
			X	None			X	None
			M	Manual			M	Manual
			OPERATOR				OPERATOR	
			XX	None			XX	None
			LH	Lockable handle			LS	Lever handle (Straight)
							PB	Panic bar (Blade aluminium)
							PE	Panic bar (Tubular st/st)
							PP	Push pad

EXTERNAL DEVICES

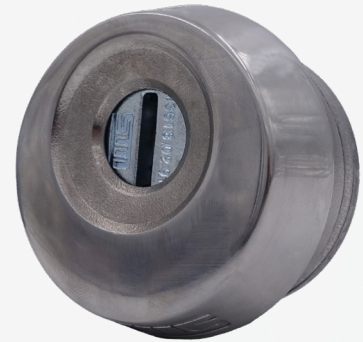


	EXTERNAL DEVICES	CYLINDER GUARDS	LEO	MLK	ELK LITE	ELK	HASP & STAPLE	NAVIS-SHIELD	FORTIS-SHIELD	EDEN	
PAGE	70	76	78	80	82	84	86	88	90	INSTALLATION	
	●	●	●	●	●	●	●	●	●	SURFACE MOUNTED	
	●	●								RECESS FITTED	
										ENTRY FUNCTION (OPTIONS)	
	●						●	●		KEY	
	●	●	●	●	●					KEY & LEVER HANDLE OR KNOB	
	●									KEY OVERRIDE PROTECTION	
	●									HANDS FREE MOTORISED	
										COMBINATION LOCK & / OR LEVER	
		●	●	●	●	●			●	PADLOCKABLE / LOCKABLE OPERATOR	
										PERFORMANCE	
	●	●	●	●	●	●			●	EN 1125	LIFE SAFETY
	●	●	●	●	●	●			●	EN 179	
	●									UL 305	
	●									UL 10C*	FIRE
	●	●		●	●					EN 1634-1*	
	●	●								CERTIFIRE*	
	●	●								BS 476-22*	
	●	●	●	●	●	●	●		●	LPS 1175*	SECURITY
	●									LPS 1673*	
	●									FEBR*	
	●									EN 1627*	
	●									STS 202*	
	●		●		●	●				LPS 2081*	
	●	●								PAS 24	BALLISTIC
	●									EN 1522*	
	●									UL752*	
	●									NIJ 0108.01*	BLAST
	●									ISO 16933 *	
	●									ASTM F2927 *	CORROSION
	●	●	●	●	●	●	●	●	●	EN 1670	
	●									TESTING	SEISMIC

* - When tested on selected doorsets

The Surelock McGill Cylinder Guard range has been developed and continuously improved to provide protection against multiple threats, including manipulation, bumping, physical attack, ballistic, blast and fire. Successfully tested and certified to many international standards, the range includes cylinder guards to suit both surface mounted and mortice fitted locking systems.

The Cylinder Guard range can accommodate Round Rim, Scandinavian Oval, and Euro Profile cylinders. A well proven modular mounting footprint, together with a balance of unique materials enables the correct level of security protection to be selected.



GSS2/3 TO SUIT SURFACE MOUNTED LOCKING SYSTEMS

FEATURES

- Surface or mortice lock fitting applications
- Certified to LPS 1175 as part of a complete doorset
- Also achieved security testing under LPS 1673, LPS 2081, EN 1627, PAS 24 and FEBR
- Tested to ballistic standards under BS EN 1522/1523, UL 752 and FEBR
- Grade 5 corrosion resistance for building hardware
- Fixings can be bolted through most Surelock McGill locking systems
- Suits Round Rim, Scandinavian Oval, or Euro Profile cylinders

BENEFITS

- Protects cylinder from attempts of forced removal and manipulation
- Engineered for longevity and trouble-free service
- Heavy duty design with no visible fixings
- Multitude of fitting methods for ease of installation

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.

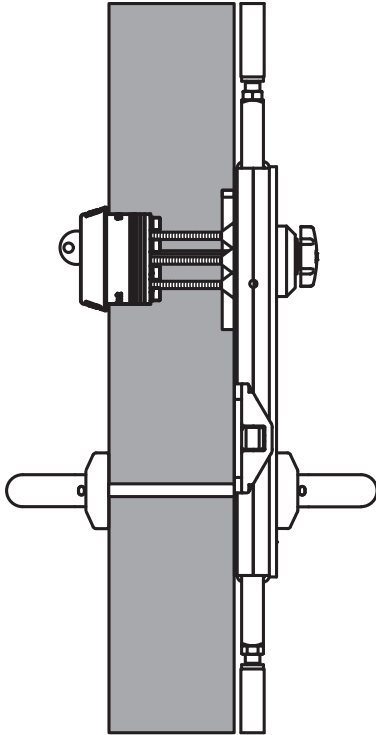


SECURITY															SAFETY	BALLISTIC	BLAST	FIRE	CORROSION	CYCLES				
LPS 1175								LPS 1673 (AR.)					FEBR (min)	EN 1627							STS 202	PAS 24	LPS 2081	
Issue 7	SR1	SR2	SR3	SR4	SR5	SR6	SR7																	SR8
Issue 8	A	B	C	D	E	F	G	H	TIME	A	B	C	D											
20 MIN									300 SEC	A300E	B300E	C300E	D300E	60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5			EN 179	UL752 Level 1-10	ASTM F2927 Cat 1	EN 1634-1	GR4	500K
10 MIN	A10	B10	C10	D10	E10				180 SEC					15	RC4	BR4		UL 305	NIJ 0108.01 Level 2 & 3	CERTIFIRE	GR3	200K		
5 MIN						F5	G5		120 SEC						RC3	BR3		BS 476-22						
3 MIN									60 SEC					5	RC2	BR2								
1 MIN									30 SEC						RC1	BR1								

SURFACE VS MORTICE FITTED CYLINDER GUARD SOLUTIONS

Cylinder Guards To Suit Surface Mounted Locking Systems (GSS)

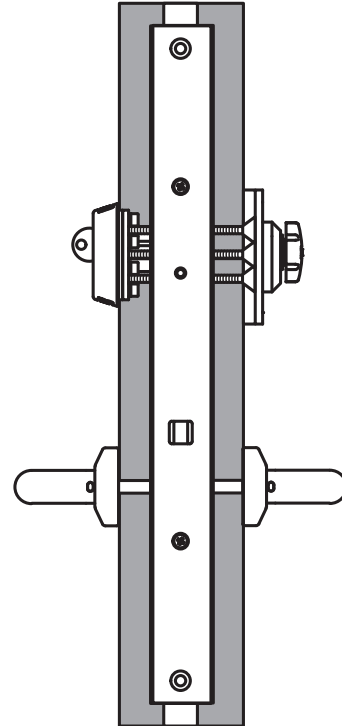
- Provides deep recess into door leaf for added security
- Compatible with most Surelock McGill surface mounted locking systems
- Suits Round Rim, Abloy Rim, Scandinavian Oval, or Euro Profile cylinders



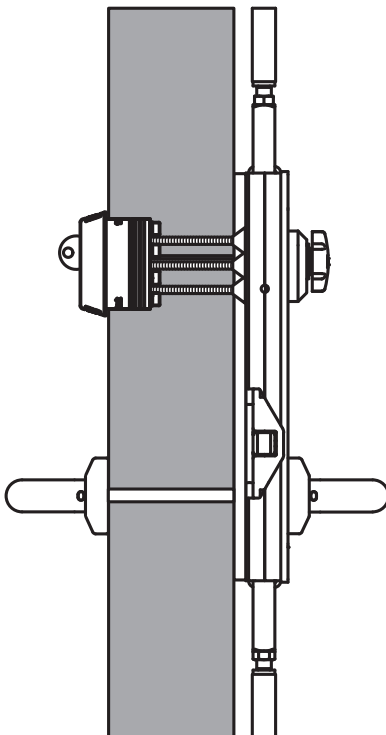
**SURFACE MOUNTED LOCKING
SYSTEM WITH FIXING PLATE**

Cylinder Guards To Suit Mortice Fitted Locking Systems (GMS)

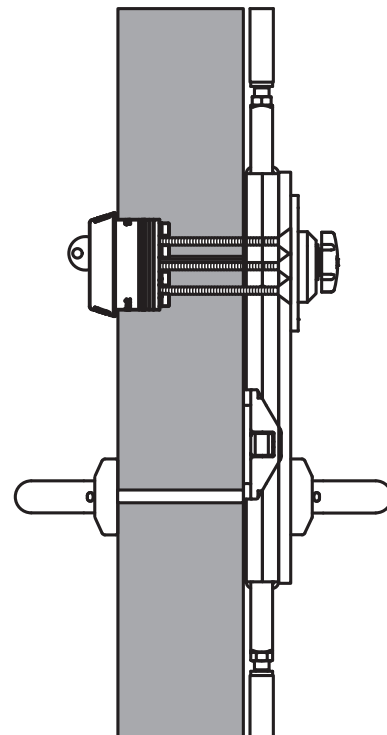
- Provides shallow recess into door leaf to allow clearance for mortice deadlock
- Compatible with most Surelock McGill mortice fitted locking systems
- Suits Euro Profile cylinders



**MORTICE FITTED LOCKING
SYSTEM WITH FIXING PLATE**



**SURFACE MOUNTED LOCKING
SYSTEM WITH B08 LOAD PLATE**



**SURFACE MOUNTED LOCKING SYSTEM
WITH W14 BOLT THROUGH PLATE**

CYLINDER GUARDS TO SUIT SURFACE MOUNTED LOCKING SYSTEMS SELECTION CHART - LPS 1175

- ☐ - Indicates product has been certified, or tested & approved as part of a complete doorset assembly.
- - Indicates product has passed testing at this attack rating and higher.

GSS2/3



LPCB LPS 1175									
TIME	ISSUE 8							ISSUE 7	
	TOOLS							SR 1-6	
	A	B	C	D	E	F	G		
20 MIN								SR6	
15 MIN								SR5	
10 MIN	GS-LA10	GS-LB10						SR4	
5 MIN	GS-LA05	GS-LB05	GS-LC05					SR3	GS-LSR3
3 MIN	GS-LA03	GS-LB03	GS-LC03					SR2	GS-LSR2
1 MIN	GS-LA01	GS-LB01	GS-LC01	GS-LD01	GS-LE01	GS-LF01	GS-LG01	SR1	

GSS4



	A	B	C	D	E	F	G		SR 1-6
20 MIN								SR6	
15 MIN								SR5	
10 MIN			GS-LC10	GS-LD10				SR4	GS-LSR4
5 MIN				GS-LD05				SR3	
3 MIN				GS-LD03				SR2	
1 MIN								SR1	

GSS5



	A	B	C	D	E	F	G		SR 1-6
20 MIN								SR6	
15 MIN								SR5	GS-LSR5
10 MIN					GS-LE10			SR4	
5 MIN					GS-LE05			SR3	
3 MIN					GS-LE03			SR2	
1 MIN								SR1	

GSS7



	A	B	C	D	E	F	G		SR 1-6
20 MIN								SR6	
15 MIN								SR5	
10 MIN								SR4	
5 MIN						GS-LF05	GS-LG05	SR3	
3 MIN						GS-LF03	GS-LG03	SR2	
1 MIN								SR1	

CYLINDER GUARDS TO SUIT MORTICE FITTED LOCKING SYSTEMS SELECTION CHART - LPS 1175

GMS2/3



	A	B	C	D	E	F	G		SR 1-6
20 MIN								SR6	
15 MIN								SR5	
10 MIN	GM-LA10	GM-LB10						SR4	
5 MIN	GM-LA05	GM-LB05	GM-LC05					SR3	GM-LSR3
3 MIN	GM-LA03	GM-LB03	GM-LC03					SR2	GM-LSR2
1 MIN	GM-LA01	GM-LB01	GM-LC01					SR1	

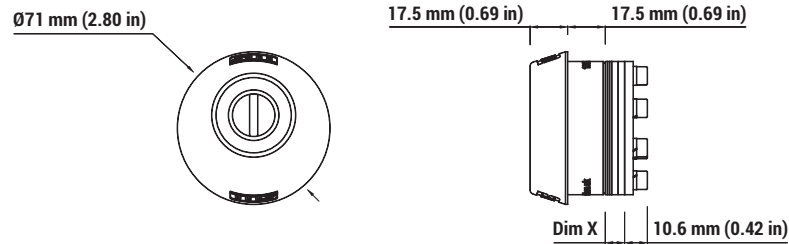
GMS4



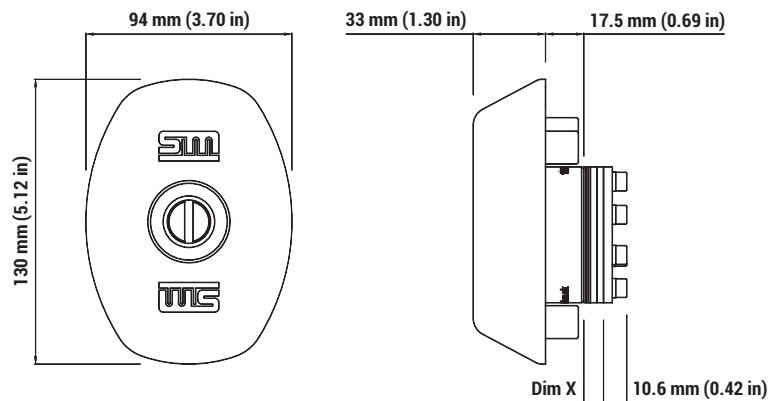
	A	B	C	D	E	F	G		SR 1-6
20 MIN								SR6	
15 MIN								SR5	
10 MIN			GM-LC10	GM-LD10				SR4	GM-LSR4
5 MIN				GM-LD05				SR3	
3 MIN				GM-LD03				SR2	
1 MIN				GM-LD01				SR1	

CYLINDER GUARDS TO SUIT SURFACE MOUNTED LOCKING SYSTEMS

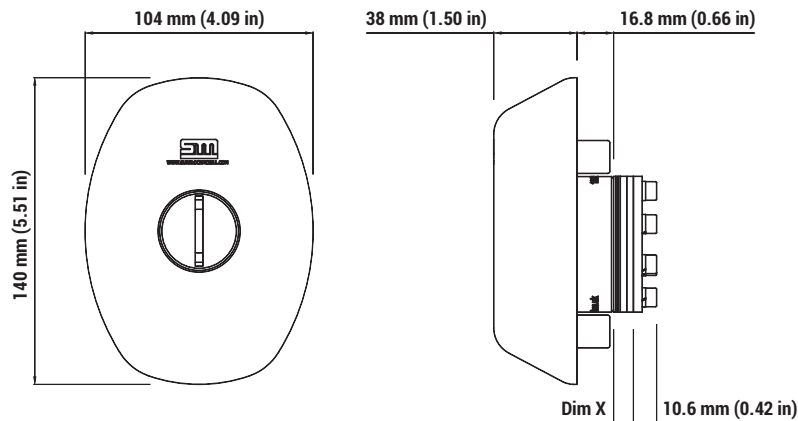
GSS2/3/4



GSS5

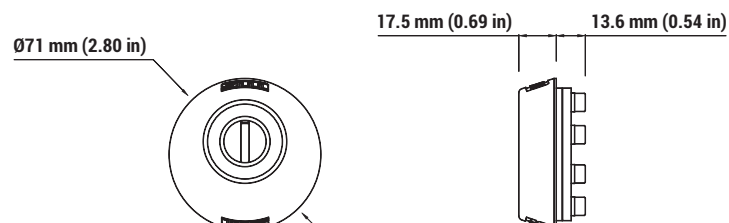


GSS7



CYLINDER GUARDS TO SUIT MORTICE FITTED LOCKING SYSTEMS

GMS2/3/4



Dim X - dependant on chosen cylinder, please see cylinders assessed to LPS 1175 chart for further information.

CYLINDERS ASSESSED TO LPS 1175

Manufacturer	Model	Cylinder Profile	GMS2/3	GMS4	GSS2/3	GSS4	GSS5	GSS7	Packers (Dim X) (mm)	LPS1175 Plus
Abloy	Disclock Pro CY403-DP	Rim			✓				13	+
Abloy	Disclock Pro CY405-DP	Rim			✓				12	+
Abloy	Disklock Pro CY201-DP	Scandinavian Oval			✓				7	+
Abloy	Disklock Pro CY303-DP, CY304-DP, CY305-DP, CY307-DP, CY308-DP, CY309-DP, CY317-DP, CY318-DP, CY319-DP, CY321-DP, CY322-DP, CY323-DP, CY326-DP, CY327-DP, CY328-DP, CY331-DP, CY332-DP, CY333-DP, CY336-DP, CY337-DP, CY338-DP	Europrofile	✓		✓				0	+
Abloy	Novel CY403-VL	Rim			✓				13	+
Abloy	Novel CY405-VL	Rim			✓				12	+
Abloy	Novel CY201-VL	Scandinavian Oval			✓				7	+
Abloy	Novel CY321-VL, CY322-VL, CY323-VL, CY326-VL, CY327-VL, CY328-VL, CY331-VL, CY332-VL, CY333-VL, CY336-VL, CY337-VL, CY338-VL	Europrofile	✓		✓				0	+
Abloy	Protec CY403-PT	Rim			✓	✓	✓		13	+
Abloy	Protec2 CY403-TT	Rim			✓	✓	✓	✓	13	+
Abloy	Protec Cliq / Cliq Remote CY403-PT-CLIQ	Rim			✓	✓	✓	✓	13	+
Abloy	Protec2 Cliq / Cliq Remote CY403-TT-CLIQ	Rim			✓	✓	✓	✓	13	+
Abloy	Protec CY405-PT	Rim			✓	✓	✓	✓	12	+
Abloy	Protec2 CY405-TT	Rim			✓	✓	✓	✓	12	+
Abloy	Protec CY201-PT	Scandinavian Oval			✓	✓	✓	✓	7	+
Abloy	Protec2 CY201-TT	Scandinavian Oval			✓	✓	✓	✓	7	+
Abloy	Protec Cliq / Cliq Remote CY201-PT-CLIQ	Scandinavian Oval			✓	✓	✓	✓	7	+
Abloy	Protec2 Cliq / Cliq Remote CY201-TT-CLIQ	Scandinavian Oval			✓	✓	✓	✓	7	+
Abloy	Protec CY303-PT, CY304-PT, CY305-PT, CY307-PT, CY308-PT, CY309-PT, CY317-PT, CY318-PT, CY319-PT, CY321-PT, CY322-PT, CY323-PT, CY326-PT, CY327-PT, CY328-PT, CY331-PT, CY332-PT, CY333-PT, CY336-PT, CY337-PT, CY338-PT	Europrofile	✓	✓	✓	✓	✓	✓	0	+
Abloy	Protec Cliq / Cliq Remote CY303-PT-CLIQ, CY304-PT-CLIQ, CY305-PT-CLIQ, CY331-PT-CLIQ, CY332-PT-CLIQ, CY333-PT-CLIQ	Europrofile	✓	✓	✓	✓	✓	✓	0	+
Abloy	Protec2 CY321-TT, CY322-TT, -CY323-TT, CY326-TT, CY327-TT, CY328-TT, CY331-TT, CY332-TT, CY333-TT, CY336-TT, CY337-TT, CY338-TT	Europrofile	✓	✓	✓	✓	✓	✓	0	+
Abloy	Protec2 Cliq / Cliq Remote CY331-TT-CLIQ, CY332-TT-CLIQ, CY333-TT-CLIQ	Europrofile	✓	✓	✓	✓	✓	✓	0	+
ABUS	Vitess 1000	Rim			✓	✓			2	
ABUS	Vitess 1000	Scandinavian Oval			✓	✓			7	
ABUS	Vitess 1000	Europrofile	✓	✓	✓	✓			0	
ABUS	Bravus 2000	Rim			✓	✓	✓		2	
ABUS	Bravus 2000	Scandinavian Oval			✓	✓	✓		7	
ABUS	Bravus 2000	Europrofile	✓	✓	✓	✓	✓		0	
Access2	Tigris Omega	Rim			✓	✓	✓	✓	5	+
Access2	Tigris Omega	Scandinavian Oval			✓	✓	✓	✓	7	+
Access2	Tigris Omega	Europrofile	✓	✓	✓	✓	✓	✓	0	+
Access2	Tigris Plus	Rim			✓	✓			5	
Access2	Tigris Plus	Scandinavian Oval			✓	✓			7	
Access2	Tigris Plus	Europrofile	✓	✓	✓	✓			0	
Access2	Tigris Premier, Premier 2, Premier 3	Rim			✓	✓	✓		5	+
Access2	Tigris Premier, Premier 2, Premier 3	Scandinavian Oval			✓	✓	✓		7	+
Access2	Tigris Premier, Premier 2, Premier 3	Europrofile	✓	✓	✓	✓	✓	✓	0	+
Acsys	BL, SL, DL	Europrofile	✓	✓	✓	✓	✓	✓	0	+
ASSA	4457	Rim			✓	✓	✓		4	+
ASSA	4401, 4407	Scandinavian Oval			✓	✓	✓		7	+
ASSA	4401, 4407 Cliq / Cliq Remote	Scandinavian Oval			✓	✓	✓	✓	7	+
ASSA	4422, 4423, 4427	Europrofile	✓	✓	✓	✓	✓	✓	0	+
ASSA	44M22, 44M23, 44M27 Cliq / Cliq Remote	Europrofile	✓	✓	✓	✓	✓	✓	0	+
ASSA	4857	Rim			✓	✓	✓		4	
ASSA	4801, 4807	Scandinavian Oval			✓	✓	✓		7	

Manufacturer	Model	Cylinder Profile	GMS2/3	GMS4	GSS2/3	GSS4	GSS5	GSS7	Packers (Dim X) (mm)	LPS1175 Plus
ASSA	4822, 4823, 4827	Europrofile	✓	✓	✓	✓	✓	✓	0	
ASSA	C5857	Rim			✓	✓	✓	✓	4	+
ASSA	C5801, C5807	Scandinavian Oval			✓	✓	✓	✓	7	+
ASSA	C5822, C5823, C5827	Europrofile	✓	✓	✓	✓	✓	✓	0	+
ASSA	7657	Rim			✓	✓			4	
ASSA	7601, 7607	Scandinavian Oval			✓	✓			7	
ASSA	7622, 7623, 7627	Europrofile	✓	✓	✓	✓			0	
iLOQ	C105.1	Scandinavian Oval			✓	✓			15	+
iLOQ	S50	Finnish Round	✓						4	+
iLOQ	S50	Europrofile	✓						0	+
Kaba	experT	Scandinavian Oval			✓	✓	✓	✓	6	+
Kaba	experT	Europrofile	✓	✓	✓	✓	✓	✓	0	+
Kaba	Gege pExtra	Scandinavian Oval			✓	✓	✓		7	+
Kaba	Gege pExtra	Europrofile	✓	✓	✓	✓	✓	✓	0	+
Kaba	Gege RAM	Scandinavian Oval			✓	✓	✓	✓	7	+
Kaba	Gege RAM	Europrofile	✓	✓	✓	✓	✓	✓	0	+
Kaba	K20	Rim			✓	✓	✓		0	
Kaba	K20	Scandinavian Oval			✓	✓	✓		6	
Kaba	Quattro Plus	Rim			✓	✓	✓	✓	0	+
Kaba	Quattro Plus	Scandinavian Oval			✓	✓	✓	✓	6	+
Kaba	Quattro Plus	Europrofile	✓	✓	✓	✓	✓	✓	0	+
KESO	4000S	Rim			✓	✓	✓		2	+
KESO	4000S	Scandinavian Oval			✓	✓	✓	✓	7	+
KESO	4000S	Europrofile	✓	✓	✓	✓	✓	✓	0	+
Locken/ISEO	LSSA20A329M	Scandinavian Oval			✓	✓	✓	✓	7	+
Locken/ISEO	LMSA030309M, LMSA830309M, LMSA030109M	Europrofile	✓	✓	✓	✓	✓	✓	0	+
Medeco	M3-ARX	Rim			✓	✓	✓	✓	4	+
Medeco	M3-ARX	Scandinavian Oval			✓	✓	✓	✓	7	+
Medeco	M3-ARX	Europrofile	✓	✓	✓	✓	✓	✓	0	+
Mul-T-Lock	Classic Pro	Rim			✓	✓			4	
Mul-T-Lock	Classic Pro	Scandinavian Oval			✓	✓			7	
Mul-T-Lock	Classic Pro	Europrofile	✓	✓	✓	✓			0	
Mul-T-Lock	Interactive+	Rim			✓	✓			4	
Mul-T-Lock	Interactive+	Scandinavian Oval			✓	✓			7	
Mul-T-Lock	Interactive+	Europrofile	✓	✓	✓	✓			0	
Mul-T-Lock	Intergrator	Rim			✓	✓			4	
Mul-T-Lock	Intergrator	Scandinavian Oval			✓	✓			7	
Mul-T-Lock	Intergrator	Europrofile	✓	✓	✓	✓			0	
Mul-T-Lock	MT5	Rim			✓	✓			4	
Mul-T-Lock	MT5	Scandinavian Oval			✓	✓			7	
Mul-T-Lock	MT5	Europrofile	✓	✓	✓	✓			0	
Mul-T-Lock	MT5+	Rim			✓	✓			4	
Mul-T-Lock	MT5+	Scandinavian Oval			✓	✓			7	
Mul-T-Lock	MT5+	Europrofile	✓	✓	✓	✓			0	
Schlage	MC201	Rim			✓	✓	✓			
Schlage	EC901, EC902, EC903	Europrofile	✓	✓	✓	✓	✓	✓	0	
Surelock McGill	CY-RM	Rim			✓	✓	✓	✓	5	+
Surelock McGill	CY-SN	Scandinavian Oval			✓	✓	✓	✓	7	+
Surelock McGill	CY-ED, CY-ET, CY-ES	Europrofile	✓	✓	✓	✓	✓	✓	0	+
Vindex	Cyberlock CL-OVLD	Scandinavian Oval			✓	✓	✓		7	+
Winkhaus	VS6	Rim			✓	✓			2	
Winkhaus	VS6	Scandinavian Oval			✓	✓			7	
Winkhaus	VS6	Europrofile	✓	✓	✓	✓			0	
Yale	X5	Rim			✓	✓			4	

FURTHER ACCREDITATION - CYLINDER GUARD SELECTION CHART

-  - Indicates product has been certified, or tested & approved as part of a complete doorset assembly.
 - Indicates product has passed testing at this attack rating and higher.

TESTING	GSS2/3	GSS4	GSS5	GSS7	GMS2/3	GMS4
FEBR (60 MINS)			GS-FX60			
FEBR (30 MINS)			GS-FX30			
FEBR (15 MINS)		GS-FX15**				
FEBR (05 MINS)		GS-FX05**				
EN-1627 (RC5)				GS-ERC5		
EN-1627 (RC4)	GS-ERC4					
EN-1627 (RC3)	GS-ERC3					
EN-1627 (RC2)	GS-ERC2					
EN-1627 (RC1)	GS-ERC1					
LPS 2081 (B03)	GS-SB03				GM-SB03	
LPS 2081 (A01)	GS-SA01				GM-SA01	
PAS24	GS-PXXX				GM-PXXX	
LPS 1673 (A30-D300)					GM-D300	

** Supplied as a stainless steel housing with 6mm disc

INSTALLATION FIXING DETAIL REFERENCE CHART

FIXING LENGTH	STANDARD CYLINDER FIXING METHOD	OPTION B08 (5 mm (0.2") cylinder guard load plate fixing)	OPTION W14 (Bolt through cylinder guard fixing)
	Referring to thickness of door leaf		
40 mm (1.57")	40 mm (1.57") to 50 mm (1.97")	35 mm (1.38") to 45 mm (1.77")	
50 mm (1.97")	50 mm (1.97") to 60 mm (2.36")	45 mm (1.77") to 55 mm (2.17")	
60 mm (2.36")	60 mm (2.36") to 70 mm (2.76")	55 mm (2.17") to 65 mm (2.56")	
70 mm (2.76")	70 mm (2.76") to 80 mm (3.15")	65 mm (2.56") to 75 mm (2.95")	40 mm (1.57") to 50 mm (1.97")
80 mm (3.15")	80 mm (3.15") to 90 mm (3.54")	75 mm (2.95") to 85 mm (3.35")	50 mm (1.97") to 60 mm (2.36")
90 mm (3.54")	90 mm (3.54") to 100 mm (3.94")	85 mm (3.35") to 95 mm (3.74")	60 mm (2.36") to 70 mm (2.76")
Screw length option W14 subject to change when any packing options are introduced			

SELF CODING SYSTEM

Cylinder Guards have a structured ordering code that covers the chosen style of guard, security accreditation, cylinder profiles as well as fixings to be supplied.

EXAMPLE ORDER CODE: GS-LD05-RR61

PRODUCT NAME		ACCREDITATION		SECURITY RATING (SR/SC)	ATTACK DURATION	CYLINDER PROFILE		FIXINGS		FIXING PLATE	
GS	Surface	L	LPS 1175	SR1 – SR5 (Issue 7)		RR	Round Rim (Standard)	X	No fixings supplied	X	None
GM	Mortice			A – G (Issue 8)		01, 03, 05, 10, 15, 20 Mins	AR	Abloy Rim	4	40 mm (1 1/2")	1
		S	LPS 2081	A01 or B03		SI	Mortice (Screw-in)	5	50 mm (2")		
		E	EN 1627	RC1 – RC6		SO	Scan Oval	6	60 mm (2 3/8")		
		F	FEBR	X	05, 15, 30, 60 Mins	EU	Euro-profile	7	70 mm (2 3/4")		
		P	PAS 24	XXX				8	80 mm (3 1/4")		
		N	NPSA	A01/C01/D01				9	90 mm (3 1/2")		
		D	LPS 1673	300 Secs							

The LEO range is an aesthetic and rugged exit device trim with key and lever handle for panic/emergency exit doors. LEO's are well proven in extremely challenging environments and available as surface mounted or recessed for higher level resistance against forced entry. The range also protects against increasing levels of physical attack.

The LEO modular design enables them to operate Surelock McGill panic/emergency systems, as well as devices from other manufacturers subject to testing. Please contact our sales team for suitability.



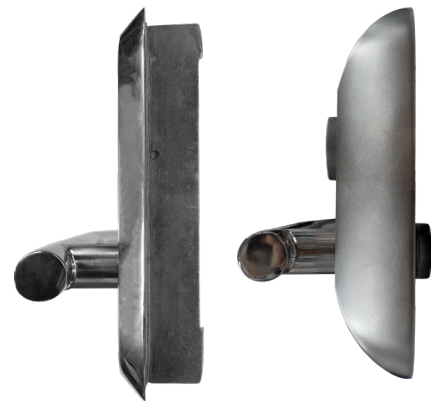
SURFACE LEO

FEATURES

- Surface, or recessed into the door for higher security
- 8 mm (5/16") or 9.5 mm (3/8") square drive shaft
- 316 grade stainless steel construction for hostile environments and durability
- Tested to over 1,000,000 cycles
- To suit morticed (Screw-In) or Profile cylinder (order cylinder separately)
- Bolt-through mounting from inside the door
- Compatible with most Surelock Panic & Emergency Escape systems and maintaining the CE mark under BS EN 179, BS EN 1125

BENEFITS

- Provides external key entry to a panic or emergency exit door
- Certified to a range of international standards (see Product Performance Chart)
- Engineered for longevity and trouble-free service
- Heavy duty design with no visible mounting screws
- Modular design enables use on other manufacturers devices, subject to testing approvals



RECESSED LEO

SURFACE LEO

OPTIONAL ENHANCEMENTS

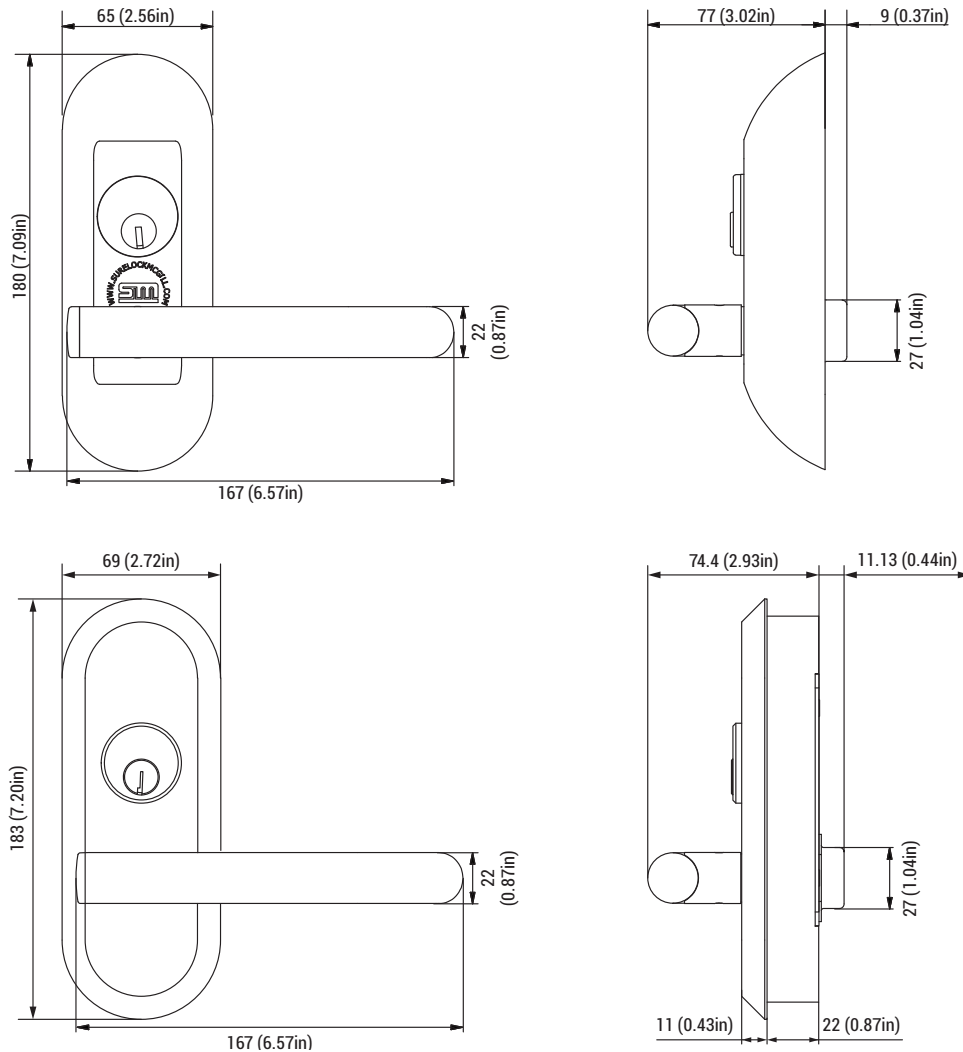
- Key retained in unlocked position (provides automatic re-locking)
- Monitoring of lock status
- Cylinder protection guard with anti-drilling plate

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												
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL	
15 MIN									240 SEC						RC5	BR5							EN 1634-1		
10 MIN									180 SEC					15	RC4	BR4					EN 179	UL752 Level 1-10		GR4	500K
5 MIN									120 SEC						RC3	BR3								GR3	
3 MIN	A3	B3							60 SEC					5	RC2	BR2	SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR2	200K		
1 MIN									30 SEC						RC1	BR1									BS 476-22

LEO TECHNICAL DRAWINGS

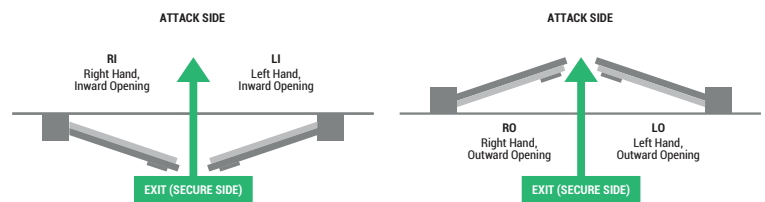


ORDERING CODES

LEO lockable handles have a simple ordering code that covers the chosen mounting method, cylinder profile, cylinder protection and handing configuration.

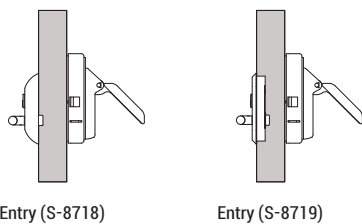
EXAMPLE ORDER CODE:

- S-8718 Surface LEO , Screw in Rim cylinder (option L)
- S-8719 Recessed LEO, Screw in Rim cylinder (option L1)
- S-11330 Surface LEO, Euro-profile cylinder (option L3)
- S-11335 Recessed LEO, Euro-profile cylinder (option L4)



EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



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

The MLK is a basic cost-effective exit device trim with key and lever handle for panic/emergency exit doors. MLK's are surface mounted and provide a higher level of physical protection than commercially available exit device trims.

The MLK modular design enables them to operate Surelock McGill group panic/emergency systems, as well as devices from other manufacturers subject to testing. Please contact our sales team for suitability.



FEATURES

- 8 mm (5/16") square drive shaft
- Fully Stainless steel construction for corrosion resistance and durability
- Tested to over 1,000,000 cycles
- To suit Rim and profile cylinders (order cylinder separately)
- Bolt-through mounting from inside the door

BENEFITS

- Provides external key entry to a panic or emergency exit door
- Certified to a range of international standards (see Product Performance Chart)
- Engineered for longevity and trouble-free service
- Heavy duty design with no visible mounting screws
- Modular design enables use on other manufacturers devices, subject to testing approvals

OPTIONAL ENHANCEMENTS

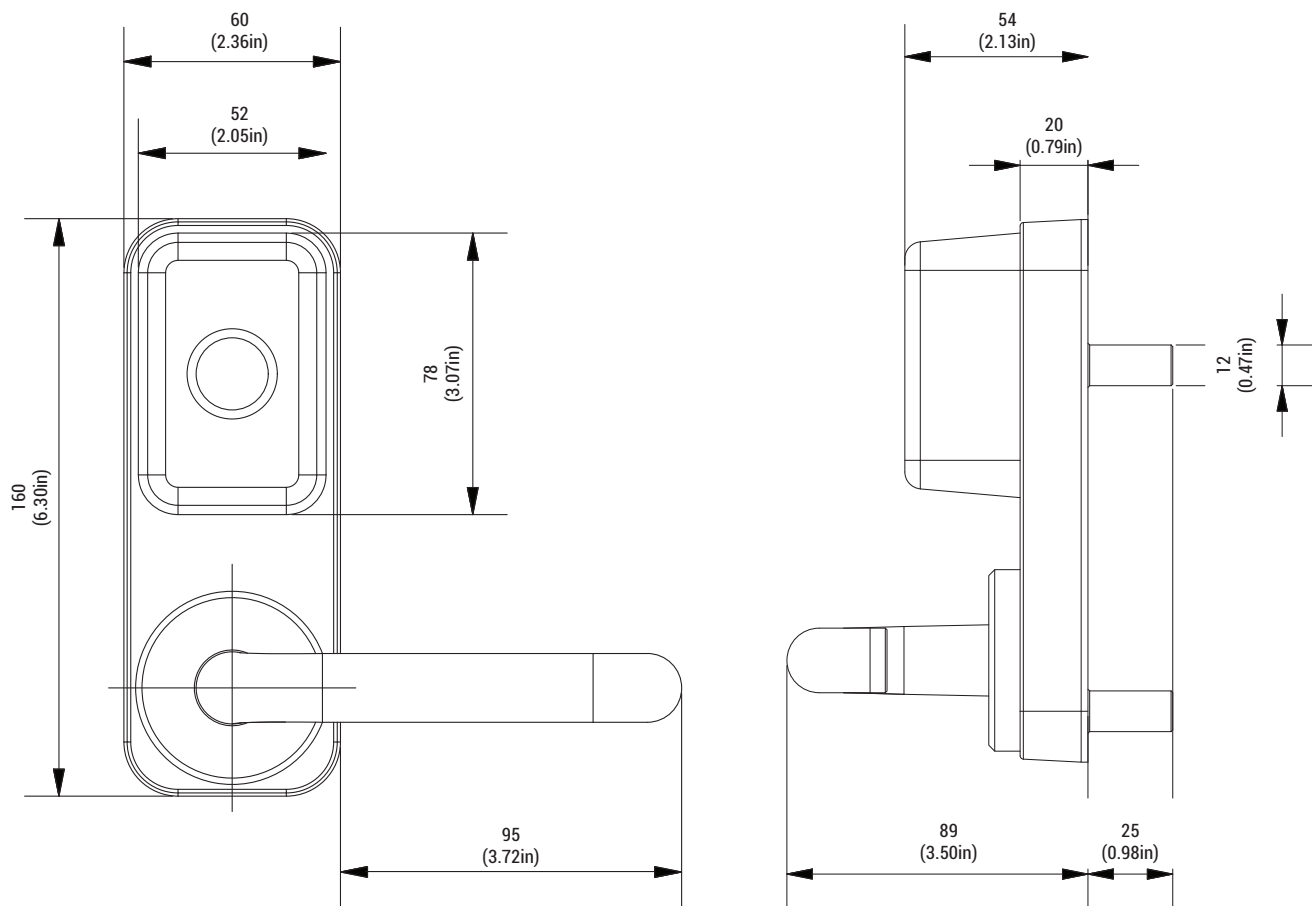
- Key retained in unlocked position (provides automatic re-locking)

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												
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL	
15 MIN									240 SEC						RC5	BR5									
10 MIN									180 SEC					15	RC4	BR4			SRA	EN 179	UL752 Level 1-10		EN 1634-1	GR4	500K
5 MIN									120 SEC						RC3	BR3								GR3	
3 MIN	A3	B3							60 SEC					5	RC2	BR2					ASTM F2927 Cat 1	CERTIFIRE		GR2	200K
1 MIN									30 SEC						RC1	BR1			UL 305	NIJ 0108.01 Level 1-4	BS 476-22		GR1		

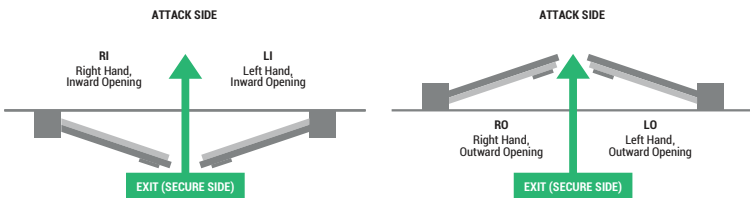
MLK TECHNICAL DRAWING



ORDERING CODES

MLK 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.

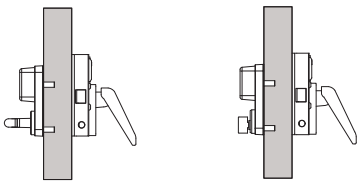
EXAMPLE ORDER CODE: MLK-RRMLS-RH



PRODUCT NAME		CYLINDER PROFILE		RE-LOCKING		OPERATOR TYPE		HANDING	
MLK	RR	Round Rim	M	Manual		LS	Lever handle (Tubular straight)	XX	Non-handed
	SO	Scan Oval	A	Auto (Key retained)		US	Profile handle (Straight)	RH	Right hand
	EU	Euro-profile				TR	Turnknob handle	LH	Left hand

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



Entry (MLK-RRMLS-RH) Entry (MLK-RRMTR-RH)

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

The MICO ELK Lite range of high-quality stainless steel key-driven lockable handle sets are designed to withstand opportunist or professional door entry attacks, and can resist impact attacks, as well as forced rotation, removal or drilling into the key cylinder.

The modular design works with the Surelock McGill Group panic and emergency systems, as well as devices from other manufacturers subject to testing. Please contact our sales team for suitability.



FEATURES

- 8 mm (5/16") square drive shaft
- Fully stainless steel construction for corrosion resistance and durability
- Tested to over 1,000,000 cycles
- Suits Round Rim, Scandinavian Oval, or Euro Profile cylinders
- Bolt-through mounting from the inside of the door

BENEFITS

- Certified to a range of international standards (see Product Performance Chart)
- Engineered for longevity and trouble-free service
- Heavy duty design with no visible mounting screws
- Modular design enables use on other manufacturers devices, subject to testing approvals

OPTIONAL ENHANCEMENTS

- Key retained in unlocked position (provides automatic re-locking)
- Monitoring of lock status

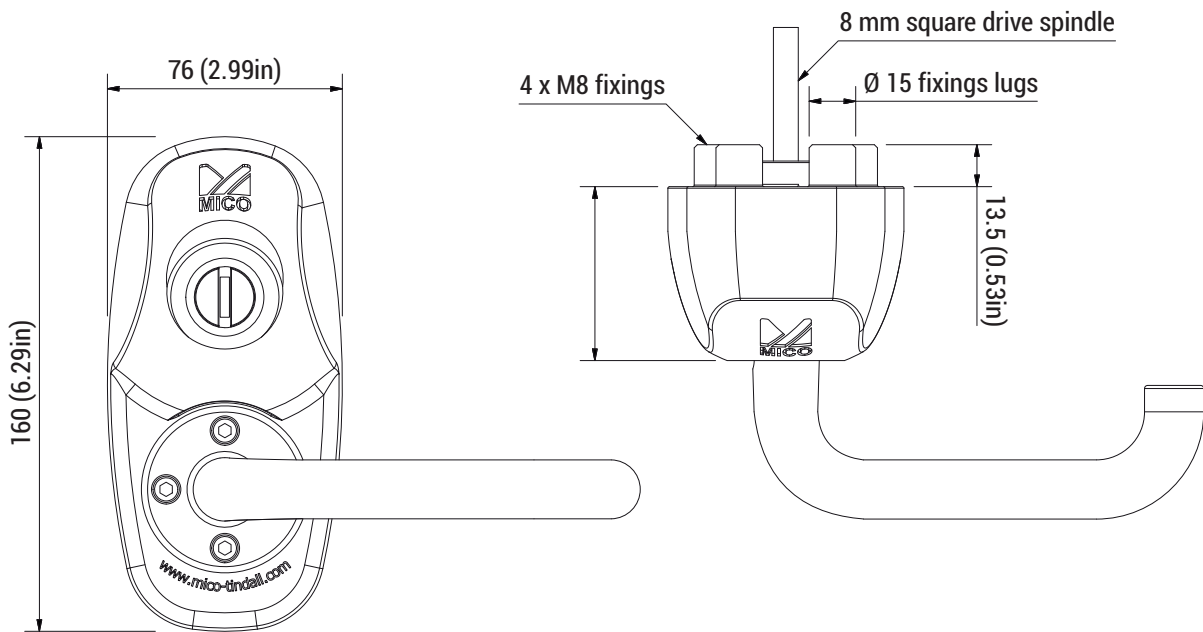
PRODUCT PERFORMANCE CHART

☐ 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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5				EN 179	UL752 Level 1-10		EN 1634-1	GR4
10 MIN									180 SEC					15	RC4	BR4								500K
5 MIN									120 SEC						RC3	BR3								
3 MIN	A3	B3							60 SEC					5	RC2	BR2	SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR3		
1 MIN									30 SEC						RC1	BR1						BS 476-22		GR2
																					GR1			

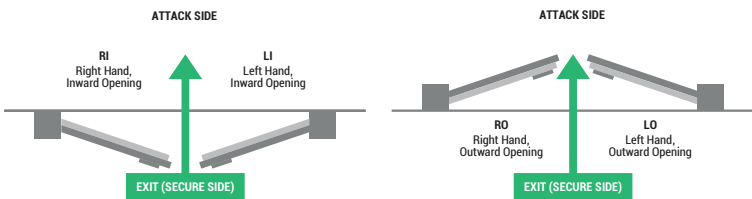
ELK TECHNICAL DRAWINGS



ORDERING CODES

ELK 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.

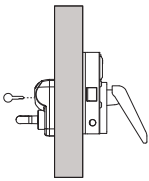
EXAMPLE ORDER CODE: ELK3-RRALS-RH



PRODUCT NAME	CYLINDER PROFILE	RE-LOCKING	OPERATOR TYPE	HANDING	OPTIONAL ENHANCEMENTS
ELK-3	RR Round Rim	M Manual	LS Lever handle (Tubular straight)	RH Right hand	M01 Lock monitoring (Microswitch)
ELK-4	SO Scan Oval	A Auto (Key retained)	LE Lever handle (Tubular ergonomic)	LH Left hand	
	EU Euro-profile		TR Turnknob handle		

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



Entry (ELK3-RRALS-RH)

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

The ELK is a range of robust exit device trim with key and lever handle for panic/emergency exit doors. ELK's are recessed into the door for higher level resistance against forced entry. The range protects against increasing levels of physical attack, meeting various international standards.

The ELK modular design enables them to operate Surelock McGill Group panic/emergency systems, as well as devices from other manufacturers subject to testing. Please contact our sales team for suitability.



FEATURES

- Recessed into the door for higher level resistance against physical attack
- 8 mm (5/16") square drive shaft
- Fully Stainless steel construction for corrosion resistance and durability
- Engineered using selected composite materials, providing higher levels of attack resistance (ELK-4)
- Tested to over 1,000,000 cycles
- To suit Rim and profile cylinders (order cylinder separately)
- Bolt-through mounting from inside the door

BENEFITS

- Provides external key entry to a panic or emergency exit door
- Certified to a range of international standards (see Product Performance Chart)
- Engineered for longevity and trouble-free service
- Heavy duty design with no visible mounting screws
- Modular design enables use on other manufacturers devices, subject to testing approvals

OPTIONAL ENHANCEMENTS

- Key retained in unlocked position (provides automatic re-locking)
- Monitoring of lock status
- Choice of lever handle type

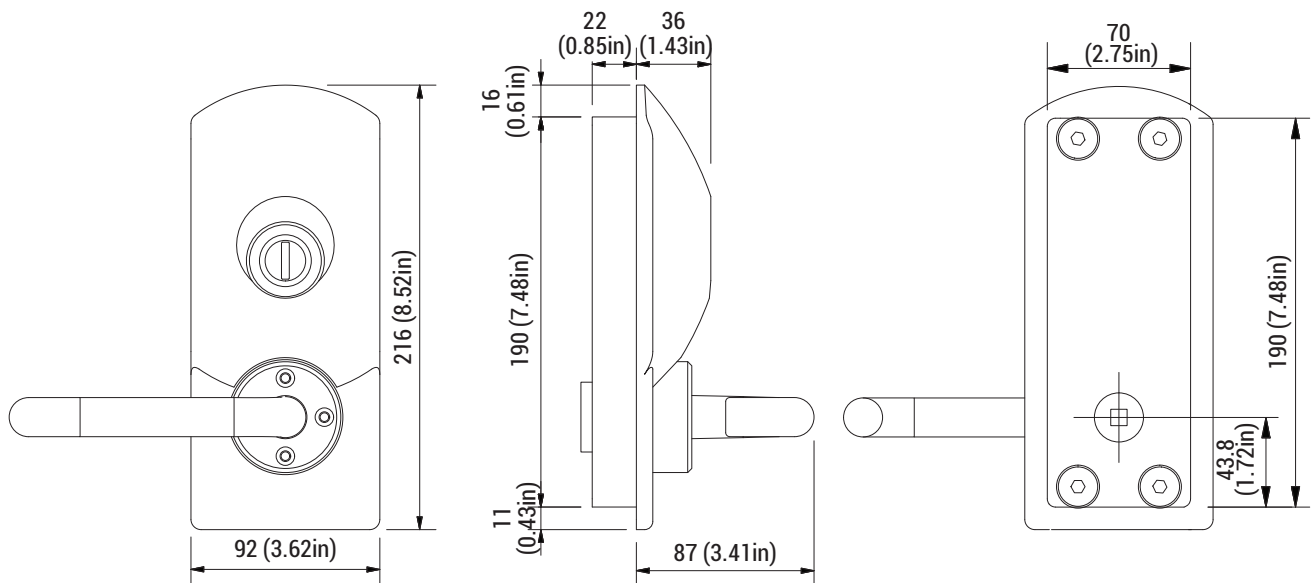
PRODUCT PERFORMANCE CHART

☐ 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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5								
10 MIN	A10	B10	C10	D10					180 SEC					15	RC4	BR4			EN 179	UL752 Level 1-10		EN 1634-1	GR4	500K
5 MIN									120 SEC						RC3	BR3							GR3	
3 MIN									60 SEC					5	RC2	BR2				ASTM F2927 Cat 1		CERTIFIRE	GR2	200K
1 MIN									30 SEC						RC1	BR1		SRA	UL 305	NIJ 0108.01 Level 1-4	BS 476-22	GR1		

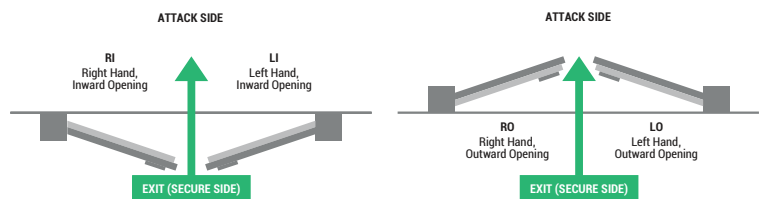
ELK TECHNICAL DRAWINGS



ORDERING CODES

ELK 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..

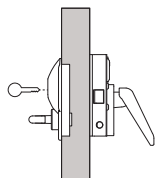
EXAMPLE ORDER CODE: ELK3-RRALS-RH



PRODUCT NAME	CYLINDER PROFILE	RE-LOCKING	CYLINDER TYPE	HANDING	OPTIONAL ENHANCEMENTS
ELK-3	RR Round Rim	M Manual	LS Lever handle (Tubular straight)	RH Right hand	M01 Lock monitoring (Microswitch)
ELK-4	SO Scan Oval	A Auto (Key retained)	LE Lever handle (Tubular ergonomic)	LH Left hand	
	EU Euro-profile		US Profile handle (Straight)		
			TR Turnknob handle		

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



Entry (ELK3-RRALS-RH)

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

The Panic Hasp & Staple is a range of high security exit device trim, providing padlock and handle entry for panic/emergency doors. When secured, the hasp shields the padlock and provides weather protection. With the padlock removed the hasp becomes the entry handle. The range protects against increasing levels of physical attack, meeting various international standards.

The Hasp and Staple modular design operate Surelock McGill Group panic/emergency systems, as well as devices from other manufacturers subject to testing. Please contact our sales team for suitability



HS1



HS2



HS3

FEATURES

- Surface mounted
- Non handed
- 8 mm (5/16") square drive shaft
- Fully Stainless steel construction for corrosion resistance and durability
- Tested to over 1,000,000 cycles
- Compatible with open shackle padlocks from leading manufacturers (order padlocks separately)
- Bolt-through mounting from inside the door

BENEFITS

- Provides external key entry via padlock to a panic or emergency exit door
- Certified to a range of international standards (see Product Performance Chart)
- Engineered for longevity and trouble-free service
- Heavy duty design with no visible mounting screws
- Modular design enables use on other manufacturers devices, subject to testing approvals
- Maximum 14mm (9/16") diameter shackle

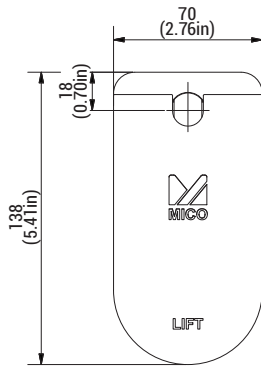
PRODUCT PERFORMANCE CHART

☐ 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.

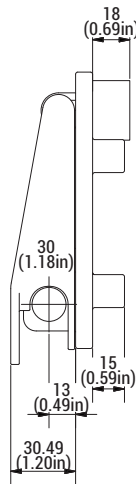


SECURITY																	SAFETY	BALLISTIC	BLAST	FIRE	CORROSION	CYCLES		
LPS 1175									LPS 1673 (AR.)					FEBR (min)	EN 1627	STS 202							PAS 24	LPS 2081
Issue 7	SR1	SR2	SR3	SR4	SR5	SR6	SR7	SR8																
Issue 8	A	B	C	D	E	F	G	H	TIME	A	B	C	D											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5			EN 179	UL752 Level 1-10	EN 1634-1	GR4	500K	
10 MIN									180 SEC					15	RC4	BR4		UL752 Level 1-10	ASTM F2927 Cat 1	CERTIFIRE	GR3			
5 MIN	A5	B5	C5						120 SEC						RC3	BR3		UL 305	NIJ 0108.01 Level 1-4	BS 476-22	GR2	200K		
3 MIN									60 SEC					5	RC2	BR2				GR1				
1 MIN									30 SEC						RC1	BR1								

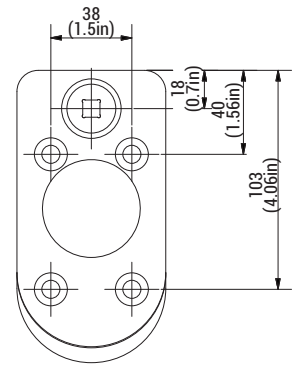
HASP & STAPLE TECHNICAL DRAWING



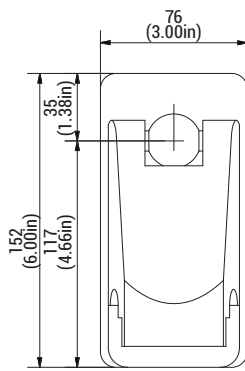
HS1



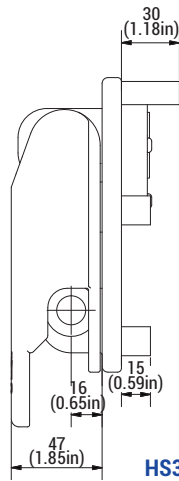
HS1



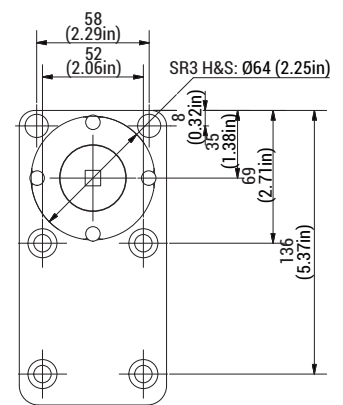
HS1



HS2



HS3



HS3

SELF CODING SYSTEM

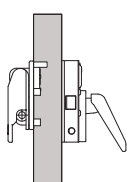
The Hasp & Staple range has a structured ordering code that covers the chosen methods of entry, exit and securing, followed by the mounting and orientation codes, additional enhancements can be added to further customise the device.

EXAMPLE ORDER CODE: HS2

HASP & STAPLE	SECURITY RATING		
MODEL	BASE	ENHANCED	HIGH
HS1	•		
HS2		•	
HS3			•

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



Entry (HS3)

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

The MICO Navis-Shield is a specially engineered shielded lock developed to secure valuable assets in situations where the lock needs to be protected from both physical attacks and environmental factors.

The Navis-Shield is ideal for securing valuable assets and locations such as plant rooms, electricity substations, remote sites, shipping containers and chlorine storage rooms.

With enhanced attack protection, concealed key cylinders and weather resistance, the Navis-Shield is an ideal security solution for remote, extreme and hostile external environments.



NAVIS-SHIELD

FEATURES

- Remote Access Control support using market-leading mechatronic cylinders, enabling increased electronic security and a complete audit trail
- Key-retaining lock as standard
- Brushed stainless steel construction as standard
- 12.7 mm (Half-Inch) diameter locking pin
- Full range of packing plates available to enable easy, secure fitting to ISO shipping containers, particularly around the essential central waterproof door seals
- Compatible with a wide range of cylinders, including Scandinavian oval rim as standard, other profile available on request



NAVIS-SHIELD OPEN

BENEFITS

- Tested and certified up to LPS 1175: Issue 8 Security Rating E5 and Issue 7 SR3 as part of a complete doorset and container system
- Suited for hostile and remote external environments
- Six bolt-through fixings provide additional strength
- Tough, hard-wearing stainless steel design
- For additional smart security features, the Navis-Shield can be upgraded with Centrallock functionalities to offer audit trail and access control options

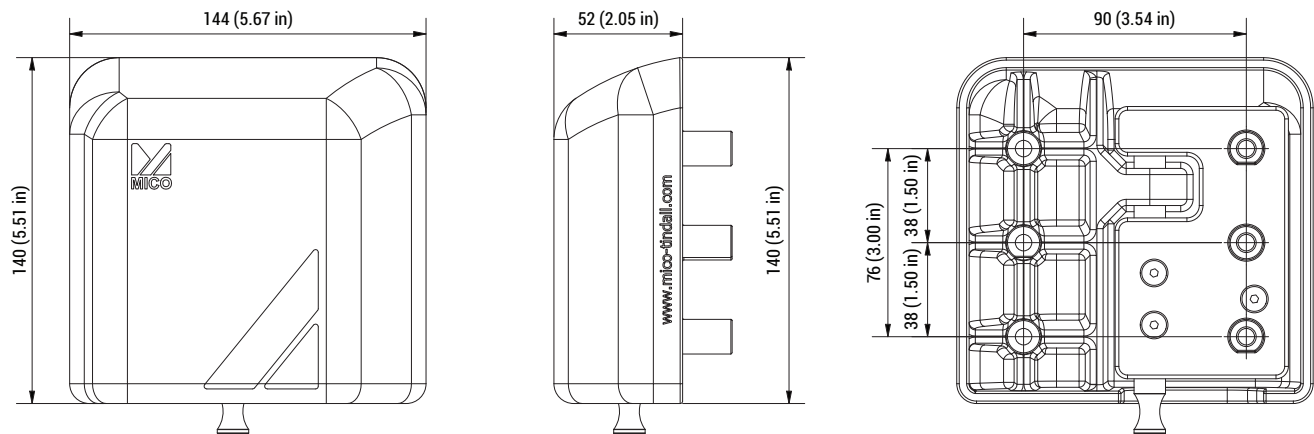
PRODUCT PERFORMANCE CHART

☐ 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												
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL	
15 MIN									240 SEC						RC5	BR5							EN 1634-1		
10 MIN	A10	B10	C10	D10					180 SEC					15	RC4	BR4			SRA	EN 179	UL752 Level 1-10			GR4	500K
5 MIN					E5				120 SEC						RC3	BR3								GR3	
3 MIN									60 SEC					5	RC2	BR2			ASTM F2927 Cat 1	CERTIFIRE		GR2			
1 MIN									30 SEC						RC1	BR1			UL 305	NIJ 0108.01 Level 1-4	BS 476-22	GR1	200K		

NAVIS-SHIELD TECHNICAL DRAWING



SELF CODING SYSTEM

The Navis-Shield (NA) 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.

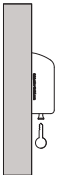
EXAMPLE ORDER CODE: NATA - KMKK – MB -XXXX



PRODUCT			ENTRY		SECURING		EXIT	
RANGE		BOLTS	UNLOCKING		UPON DOOR CLOSURE		UNLOCKING	
NA	Navis-shield	1	K	Key	MB	Manual bolting only	X	None
BOLT DIRECTION			BOLT RETRACTION				BOLT RETRACTION	
A	Horizontal bolt		M	Manual			X	None
			OPERATOR				OPERATOR	
			KK	Key			XX	None

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



Entry (KMKK)
Exit (XXXX)

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

The MICO Fortis-Shield is a single-point shielded hasp lock designed to secure roadside cabinets, sliding gates, and double-leaf doorsets on remote sites.

The lock side contains a non-removable pin that passes through the receiver side's loop, securing the Fortis-Shield across the entryway.

The Fortis-Shield can be used with various cylinders, including market-leading mechatronic cylinders that enable electromechanical access and a complete, traceable audit trail. The key-retaining lock feature ensures no keys are misplaced during operation, keeping entry uncompromised.



FORTIS-SHIELD

FEATURES

- Remote access control support using market-leading mechatronic cylinders, enabling increased electronic security and a complete audit trail
- Universal hasp lock footprint provides flexible retrofit and upgrade application options for existing hasp lock locking systems
- Key-retaining lock as standard
- Brushed stainless steel construction as standard
- 12.7 mm (half-inch) diameter locking pin
- Scandinavian oval rim cylinder as standard, but compatible with a wide range of cylinders from leading manufacturers; other profiles available on request



FORTIS-SHIELD OPEN

BENEFITS

- Suitable for hostile and remote external environment
- Four bolt-through fixings provide additional strength
- Tough, hard-wearing stainless steel construction

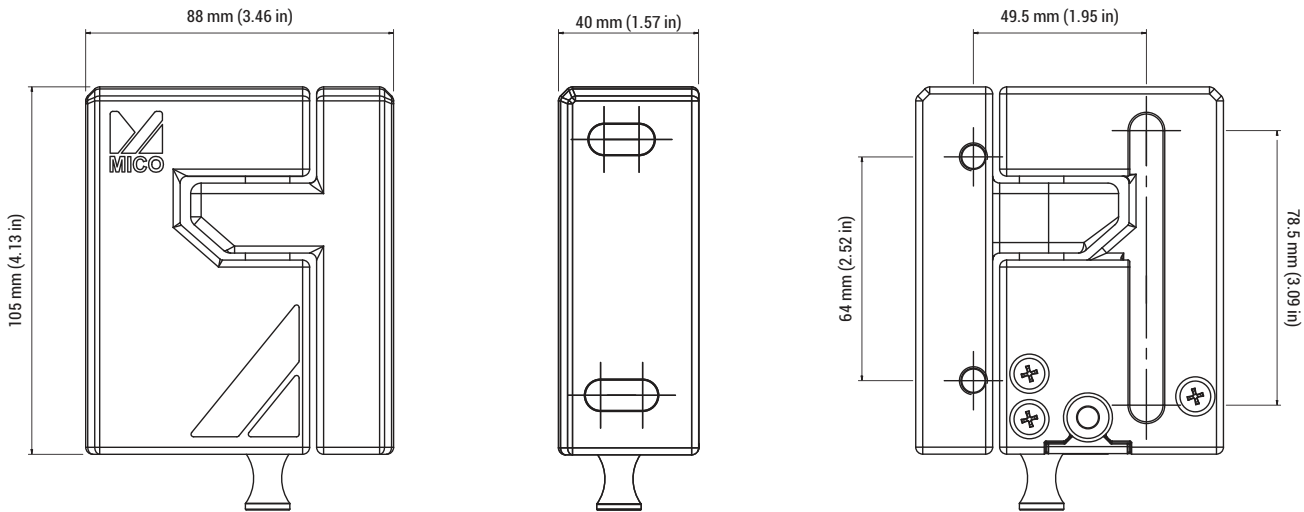
PRODUCT PERFORMANCE CHART

☐ 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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5								
10 MIN									180 SEC					15	RC4	BR4			EN 179	UL752 Level 1-10		EN 1634-1	GR4	500K
5 MIN									120 SEC						RC3	BR3	SRA					GR3		
3 MIN									60 SEC					5	RC2	BR2			UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1		GR2	200K
1 MIN									30 SEC						RC1	BR1						BS 476-22	GR1	

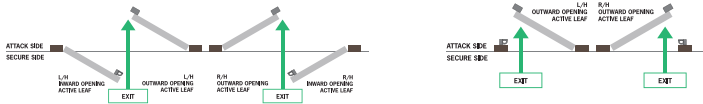
NAVIS-SHIELD TECHNICAL DRAWING



SELF CODING SYSTEM

The Fortis-Shield (FS) has a simple code that covers the chosen methods of entry and exit, followed by additional options.

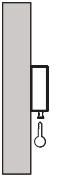
EXAMPLE ORDER CODE: FS1A - KMKK - MB - XXXX



PRODUCT		ENTRY		SECURING		EXIT	
RANGE		BOLTS	UNLOCKING	UPON DOOR CLOSURE		UNLOCKING	
FS	Fortis-Shield	1	K Key	MB	Manual bolting only	X	None
BOLT DIRECTION		BOLT RETRACTION				BOLT RETRACTION	
A	Horizontal bolt	M	Manual			X	None
		OPERATOR				OPERATOR	
		KK	Key			XX	None

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



Entry (KMKK)
Exit (XXXX)

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

The Eden is a heavy duty, lockable handle trim with mechanical keypad and lever handle for panic and emergency exit doors. The device has two modes of operation with the cylinder enabling the user to switch between both modes:

Code Access - where the keypad is required to gain entry

Free Access - where the handle allows entry at all times

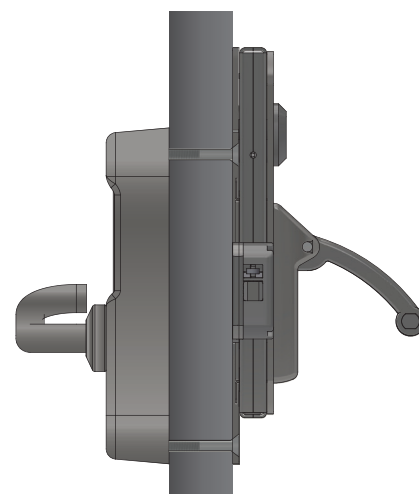
The key cylinder is also used to enable resetting of the code on the device to a 1-13 character combination.



EDEN

FEATURES

- Mechanical keypad provides a keyless handle entry
- Stainless steel main casing for hostile environments and durability
- Cycle tested to over 1,000,000 cycles
- Supplied with pre-installed screw in Rim cylinder
- 8 mm square spindle drive compatible with Surelock McGill systems
- Surface mounted for maximum strength
- Robust through-bolt mounting kits available
- Automatic relocking after door closure when in code access mode
- Combination code length of 1-13 characters, with over 8,000 combinations
- Includes clutch mechanism external lever to protect against abuse
- Free access mode
- Compatible with most Surelock Panic & Emergency Escape systems and maintaining the CE mark under BS EN 179 and BS EN 1125



EDEN WITH THROUGH-BOLT FIXINGS AND SLIMLINE

BENEFITS

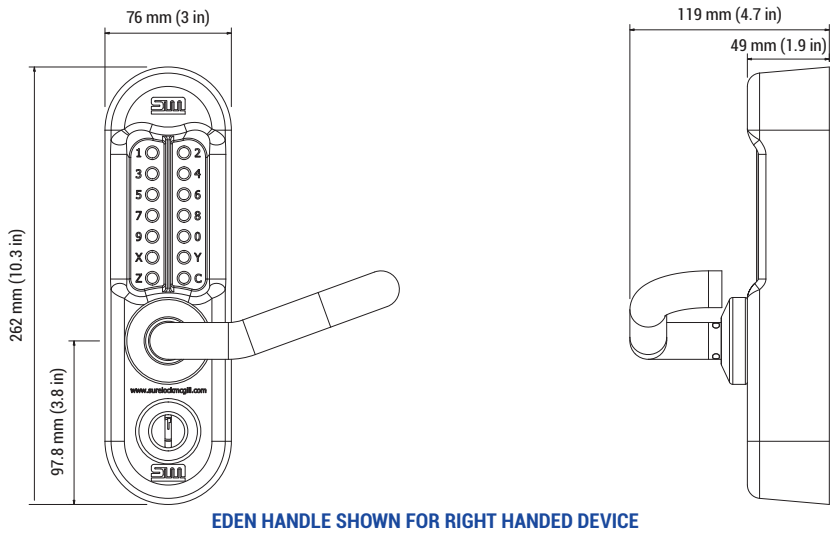
- Provides keypad entry to panic or emergency exit doors
- Code easily set and reset via code change tool
- Enables emergency escape at any time
- Full rotation of the cylinder deactivates the keypad and allows free entry/egress via lever handle
- Ideal enhancement for the Slimline and Stirling systems to grant keyless entry
- Engineered for longevity and trouble-free service
- Certified to a range of international standards (see Product Performance Chart)

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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5								
10 MIN									180 SEC					15	RC4	BR4		EN 179	UL752 Level 1-10	ASTM F2927 Cat 1	EN 1634-1	GR4	500K	
5 MIN									120 SEC						RC3	BR3								
3 MIN	A3	B3							60 SEC					5	RC2	BR2	SRA	UL 305	NIJ 0108.01 Level 1-4	CERTIFIRE	GR3	GR2	200K	
1 MIN									30 SEC						RC1	BR1								

EDEN TECHNICAL DRAWINGS

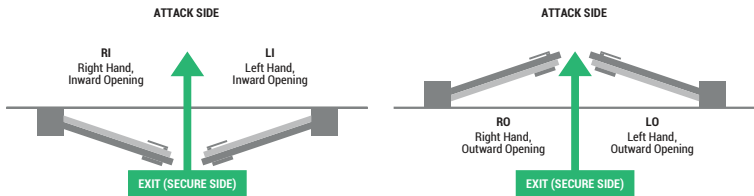


EDEN HANDLE SHOWN FOR RIGHT HANDED DEVICE

ORDERING CODES

The Eden has a structured ordering code that covers the load plate and handing configuration. Additional enhancements can be added to further customise.

EXAMPLE ORDER CODE: ED-01-RX

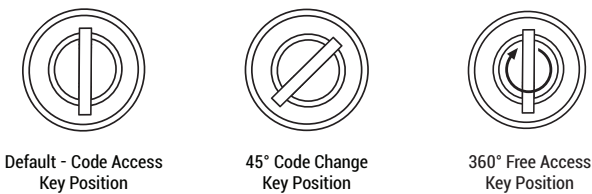


PRODUCT NAME		LOAD PLATE		HANDING	
ED	EDEN	XX	None	LX	Left Hand
		01	Recessed Mounting Plate	RX	Right Hand

EXAMPLE ENTRY/EXIT DIRECTIONSSee coding chart above for reference

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

EDEN KEY POSITIONS



ANCILLARIES



	ANCILLARIES	SECURITY HINGES	HC HINGES	HT HINGES	FLUSH BOLTS	TOWER BOLTS	VISION PANELS	MAX-AIR LOUVRES	DOOR STAY	ADO DOOR OPERATORS	SEALED KEYRINGS	HANDLES	THROUGH BOLT KIT		
PAGE	94	98	106	108	110	112	114	116	118	122	124	130		INSTALLATION	
	•	•			•			•	•		•	•		SURFACE MOUNTED	
	•	•	•											MORTICE FITTED	
				•		•	•							FITTED INTO DOOR CORE	
							•							FITTED INTO WALL CONSTRUCTION	
														PERFORMANCE	
														EN 1125	LIFE SAFETY
											•			EN 179	
														UL 305	
	•			•							•			UL 10C*	FIRE
	•				•	•					•	•		EN 1634-1*	
						•								CERTIFIRE*	
						•								BS 476-22	
	•			•	•	•								LPS 1175*	SECURITY
														LPS 1673*	
	•				•									FEBR*	
														EN 1627*	
														STS 202*	
	•			•	•	•								LPS 2081*	
														PAS 24	BALLISTIC
	•					•								EN 1522*	
														UL752*	
	•			•										NIJ 0108.01*	BLAST
	•					•	•							ISO 16933 *	
														ASTM F2927 *	CORROSION
	•				•		•	•		•	•	•		EN 1670	
														TESTING	SEISMIC

(*) - When tested on selected doorsets

Designed for heavy duty high-performance security, blast, ballistic, fire & acoustic protection doorsets, offering unrivalled levels of load carrying capability, successfully tested up to LPS1175 Security Rating E10 (SR5), EN1627 up to RC5, plus FEFR 60 mins, on selected doorsets. All manufactured from 316 stainless steel for the most arduous environments.

Internal linear bearings within each knuckle and thrust bearings between each knuckle, ensures trouble free operation and longevity, hinges that you can rely on. Discrete security pins are available on the 'A' version of the 'HA6' and 'HA7' hinges.



**HA6 HIGH-PERFORMANCE HINGE WITH
OPTIONAL SCREW-IN PIN**

FEATURES

- Strength to support heavy loading
- Robust to withstand heavy use and longevity
- Stainless steel for arduous environments
- Sealed top and bottom knuckles
- Bearings within and between each knuckle

BENEFITS

- Self-lubricating bearings
- Engineered for longevity and trouble-free service
- Certified to a range of international standards (see Product Performance Chart)

OPTIONS

- Knock-in & Screw-in dog bolts (security pins) on HA6 & HA7 hinges
- Extended leaves for thicker doors on HA6 & HA7 hinges
- Special leaf width cutting, and mounting screw positions accommodated on 80mm leaves

FINISH*

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

*Additional finishes available on request

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	TIME	A	B	C	D						
Issue 8	A	B	C	D	E	F	G	H	TIME	A	B	C	D												
20 MIN									300 SEC	A300	B300	C300	D300	60	RC6	BR6	PAS 24	SRB	EN 1125	EN 1522 FB7	ISO 16933 EXV 15	UL 10C	GR5	1 MIL	
15 MIN									240 SEC						RC5	BR5			EN 179	UL752 Level 1-10		EN 1634-1	GR4	500K	
10 MIN	A5	B5	C10	D10	E10				180 SEC					15	RC4	BR4	PAS 24	SRA	EN 179	UL752 Level 1-10	ASTM F2927 Cat 1	CERTIFIRE	GR3		
5 MIN									120 SEC						RC3	BR3			UL 305	NIJ 0108.01 Level 2 & 3			BS 476-22	GR2	200K
3 MIN									60 SEC					5	RC2	BR2								GR1	
1 MIN									30 SEC						RC1	BR1									

HA6 100 MM (3.94 IN) HIGH-PERFORMANCE HINGE

Technical information

- Stainless steel for arduous environments
- Sealed top and bottom knuckles
- Bearings within and between each knuckle
- Additional 10mm (0.393") hardware fixing hole for enhanced security
- Tested to over 1 million cycles
- CE and UKCA marked to BS EN 1935 Grade 14



HA6

HA7* 146 MM (5.75 IN) HIGH-PERFORMANCE HINGE

Technical information

- Stainless steel for arduous environments
- Sealed top and bottom knuckles
- Bearings within and between each knuckle
- Additional 10mm (0.393") hardware fixing hole for enhanced security
- Tested to over 1 million cycles
- CE and UKCA marked to BS EN 1935 Grade 14



HA7

HA8 210 MM (8.27 IN) HIGH-PERFORMANCE HINGE

Technical information

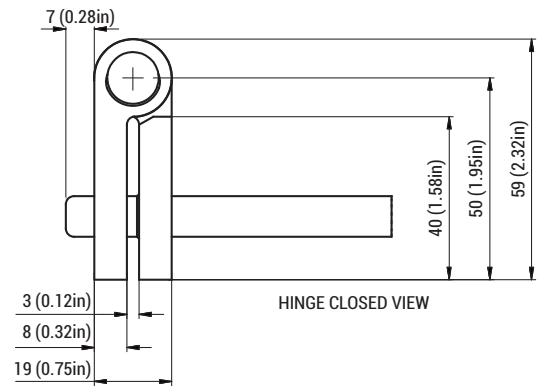
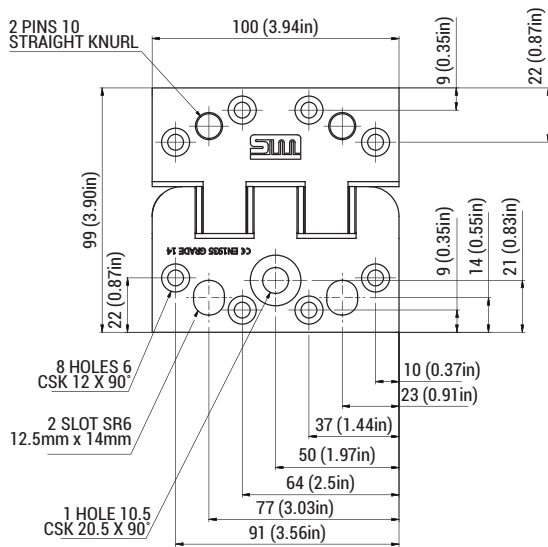
- Face Mounting
- 316 Stainless steel for arduous environments
- Sealed top and bottom knuckles
- Bearings within and between each knuckle
- Tested to over 1 million cycles



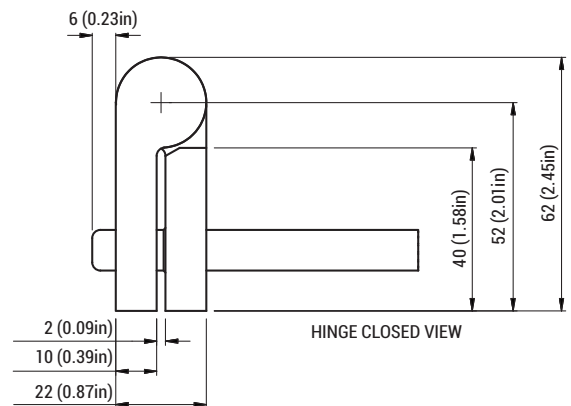
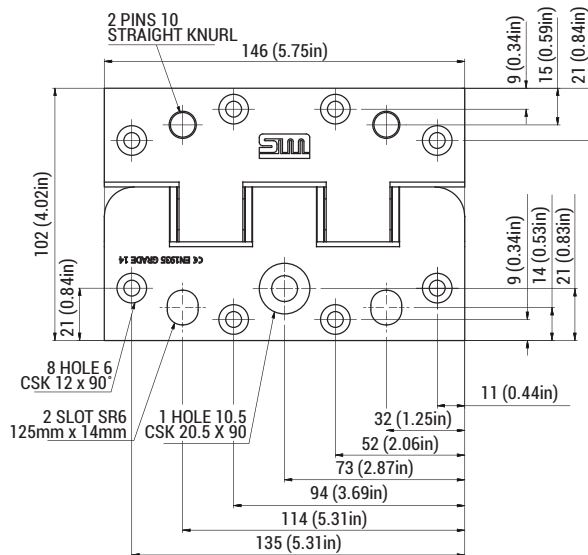
HA8

HIGH-PERFORMANCE HINGES TECHNICAL DRAWINGS

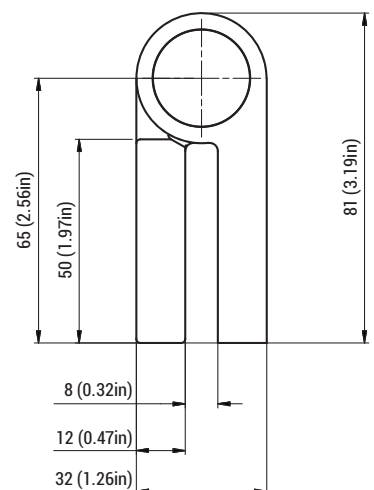
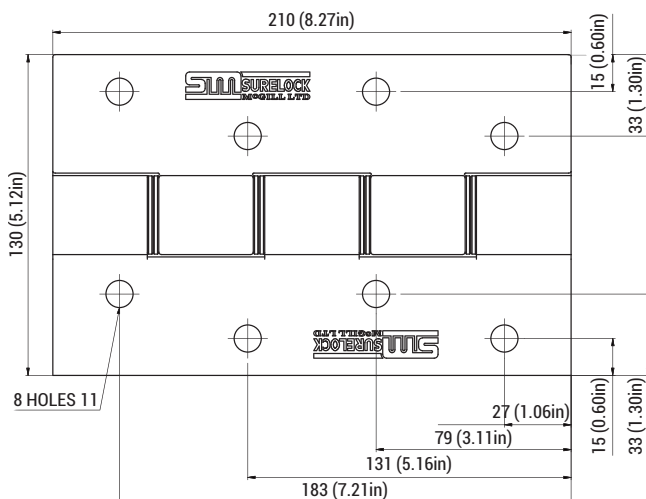
HA6



HA7

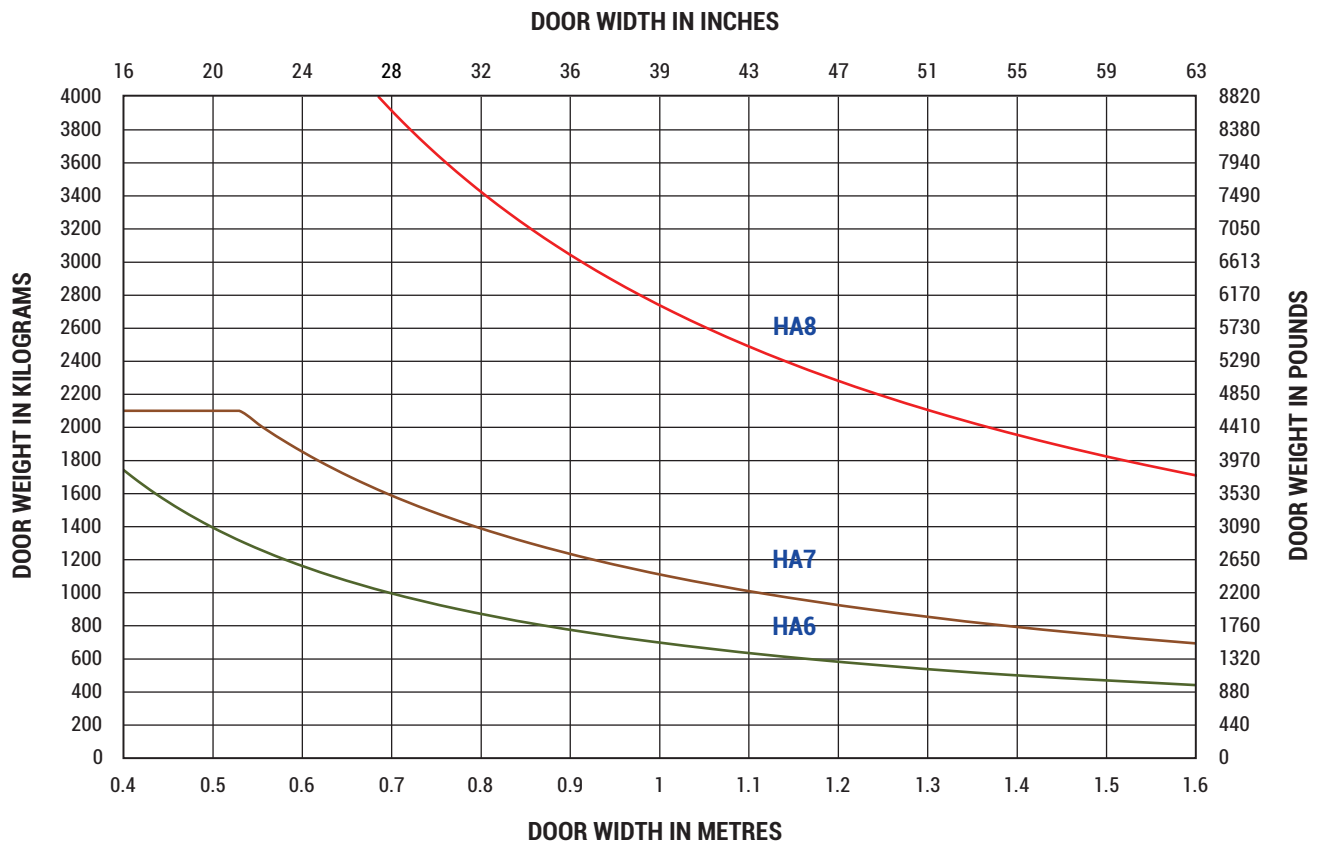


HA8



TECHNICAL INFORMATION

The following chart is a guide for maximum door sizes and weights, based on a door height of 2.2 metres (7.2ft) using three hinges equally spaced.



RADIAL AND THRUST LOAD CAPACITY		
PRODUCT	RADIAL LOAD CAPACITY (kN)	THRUST LOAD CAPACITY (kN)
HA6	1.71 kN	11.2 kN
HA7	2.72 kN	11.2 kN
HA8	6.72 kN	26.6 kN

SELF CODING SYSTEM

High-Performance Hinges have a structured ordering code that covers the type of hinge and mounting plate sizes, followed by additional enhancements such as security pins and finishes.

EXAMPLE ORDER CODE: HA7-40-B -00

SYSTEM		TYPE		MOUNTING PLATE SIZE		SECURITY PINS		FINISH	
HA	High-Performance Hinge	6	100 mm (3.94")	40	40 mm (1.58") HA6 & HA7 (Standard)	A	Knock-in pin	00	Satin (Standard)
		7	146 mm (5.75")	50	50 mm (1.97") HA8 (Standard)	B	No pin provided	01	Polished
		8	210 mm (8.27")	60	+ 20 mm (0.79") mounting plates on HA6 & HA7 (Extended)	E	Screw-in pin	15	Lacquered brass
				80	+ 40 mm (1.58") mounting plates on HA6 & HA7 (Extended)			16	Lacquered bronze
				90	+ 50 mm (1.97") mounting plates on HA6 & HA7 (Extended)			99	Other special

High performance Cam Lift for acoustic and RFI doors to support the weight and radial load as the door opens and closes. The HC30 Cam Lift Hinge provides a consistent smooth lift of 7.5 mm (0.29") over 180°, releasing the door from its bottom seal, reducing the risk of damage and wear.

Superb in design with fully machined helixes, the HC30 Cam Lift Hinge can handle door weights up to 350 kg (770 lbs). Manufactured in 316 grade stainless steel for maximum strength even in the harshest environments.



HC30 LEFT HAND CAM LIFT



HC30 LEFT HAND CAM LIFT WITH
OPTIONAL SCREW-IN PIN

FEATURES

- Full mortise hinge recessed into door and frame
- Designed for door weights up to 350 kg (770 lbs)
- 7.5 mm (0.29") lift over 180°
- 316 grade stainless steel offering long term durability
- Install using 8 x M6 A2 (#12-24 UNC 18-8) stainless steel screws (not supplied)
- Less than 2.5 kg (5 lbs) opening force on door leafs under 200 kg (440 lbs) to meet ADA requirements, with 2 hinges

BENEFITS

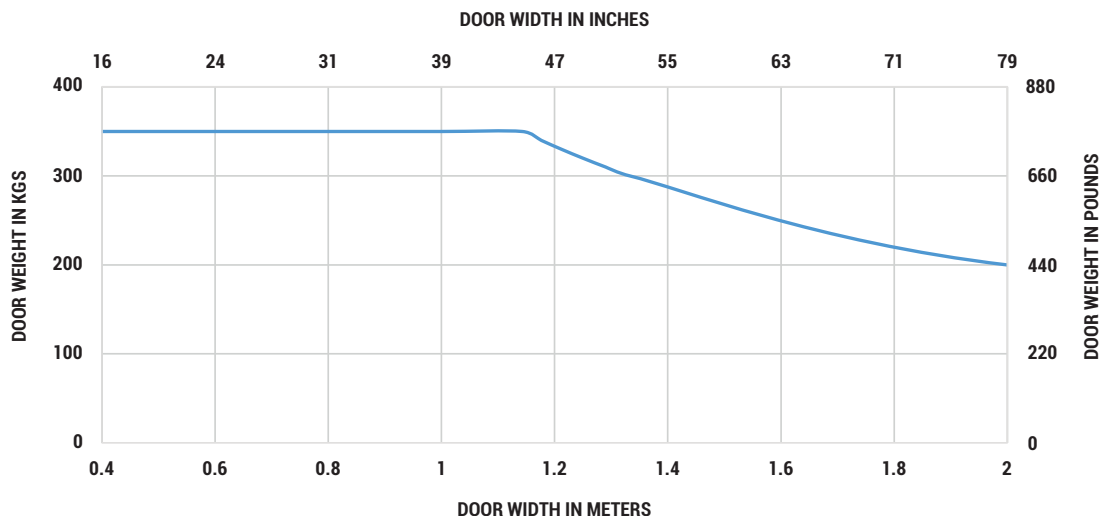
- Grease nipple for ease of service
- Cost savings from reduced damage and wear to door seals
- 5 x 5 leaf size and hole pattern match ANSI/BHMA standard mortise prep

OPTIONS

- Compatible HC30 Electrified Power Transfer (EPT) hinge available with 12 conductor wire assembly

LOADING CHART

The following chart is a guide for maximum door widths and weights tested on a door height of 2.1 m using 2 hinges spaced equally apart at the top and bottom of the leaf.



LOAD DECLARATIONS - All load ratings are based on mounting with M6 A2, or #12-24 UNC 18-8 stainless steel screws
 Radial load capacity - 100 kg (220 lbs) per Cam Lift Hinge
 Thrust load capacity - 175 kg (385 lbs) per Cam Lift Hinge

127 mm (5 in)

38 mm (1.496 in)

25.4 mm (1 in)

9.53 mm (0.375 in)

12.14 mm (0.478 in)

31.75 mm (1.25 in)

37.7 mm (1.484 in)

31.75 mm (1.25 in)

12.14 mm (0.478 in)

125.48 mm (4.940 in)

30 mm (1.18 in)

1 SLOT R6

12.50 mm (0.492 in) x 14 mm (0.551 in)

DOOR OPEN

PIN $\phi 10$ mm ($\phi 0.394$ in)
STRAIGHT KNURL

DOOR CLOSED

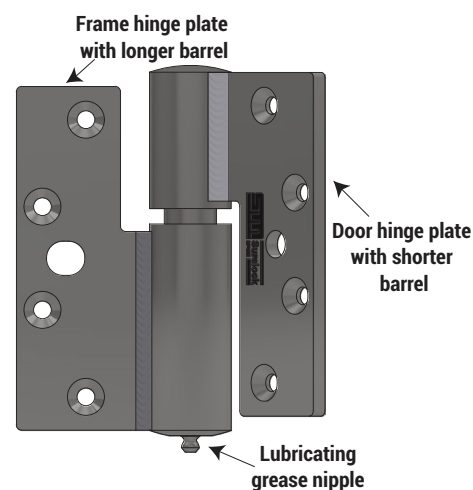


Diagram illustrating the 5000 Series door hinge in four positions:

- DOOR CLOSED**: The hinge is in the closed position.
- 45°**: The hinge is partially open.
- 90°**: The hinge is fully open.
- 180°**: The hinge is fully open, showing the lift height.

Diagram illustrating the 5000 Series door hinge in four positions, showing the lift height:

- DOOR CLOSED**: The hinge is in the closed position.
- 1.875 mm LIFT**: The hinge is partially open, showing the lift height.
- 3.750 mm LIFT**: The hinge is fully open, showing the lift height.
- 7.500 mm LIFT**: The hinge is fully open, showing the lift height.

The HC30 Cam Lift Hinges have a structured ordering code that covers the quantity, plate details, security pins, finish and handing. Additional enhancements can be added to further customise.

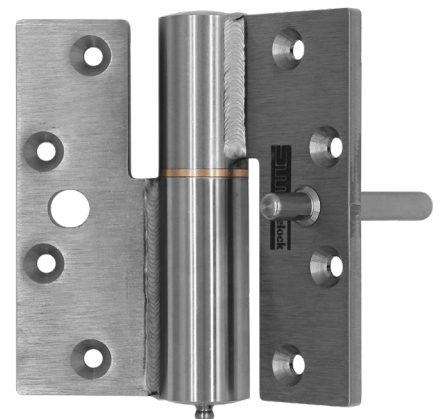
SYSTEM		LOADING REQUIREMENT		HINGE CODE & QTY			MOUNTING PLATE WIDTH		FINISH		SECURITY PINS		ORIENTATION	
HC	30	Medium Duty	C	1	Cam Lift Hinges (single)	55	ANSI 5x5 Mortise	00	Satin	A	Knock-in Pin	RH	Right Hand	
				2	Cam Lift Hinges (1 pairs)					B	No Pin Provided	LH	Left Hand	
				3	Cam Lift Hinges (1 1/2 pairs)					E	Screw-in Pin			

High performance HC30 Lift-Off Hinges for medium duty, high performance hinged doors, supporting the weight and radial load as the door opens and closes. Superb in design, the HC30 Lift-Off Hinge can handle door weights up to 350 kg (770 lbs). Manufactured in 316 grade stainless steel for maximum strength even in the harshest environments. Fitted with a thrust bearing and grease nipple for lubrication, providing smooth operation and longevity.

HC30 Lift-Off Hinges are normally used in a pair (2), or 1 ½ pairs (3) for over-height doors.



HC30 LEFT HAND LIFT-OFF



HC30 LEFT HAND LIFT-OFF WITH
OPTIONAL SCREW-IN PIN

FEATURES

- Full mortise hinge recessed into door and frame
- Designed for door weights up to 350 kg (770 lbs)
- Suitable for single axis swing doorsets
- 316 grade stainless steel offering long term durability
- Thrust bearing and greasing facility for smooth pivot operation and longevity
- Install using 8 x M6 A2 (#12-24 UNC 18-8) stainless steel screws (not supplied)
- Less than 2.5 kg (5 lbs) opening force on door leafs under 200 kg (440 lbs) to meet ADA requirements, with 2 hinges

BENEFITS

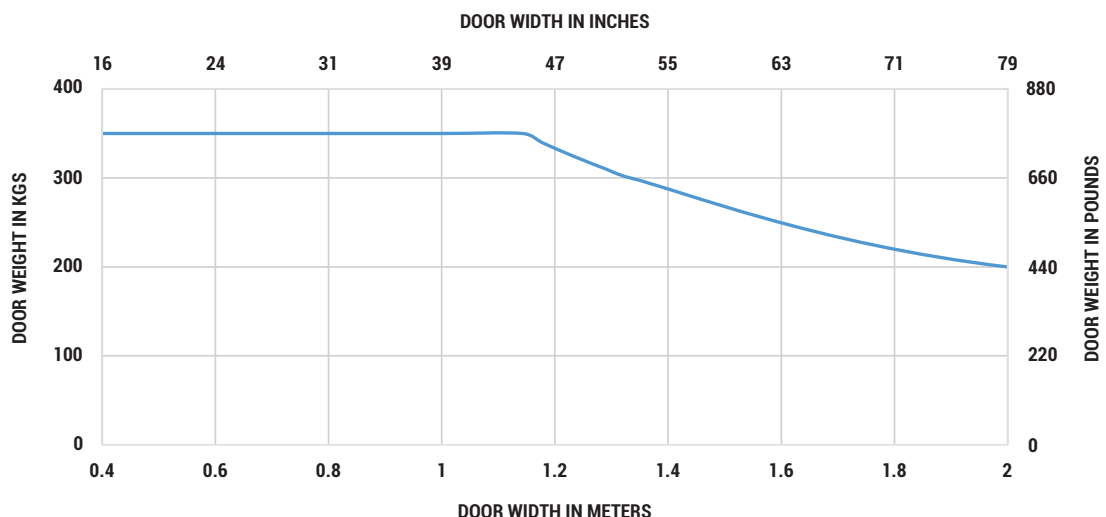
- Grease nipple for ease of service
- 5 x 5 leaf size and hole pattern match ANSI/BHMA standard mortise prep

OPTIONS

- Compatible HC30 Electrified Power Transfer (EPT) hinge available with 12 conductor wire assembly

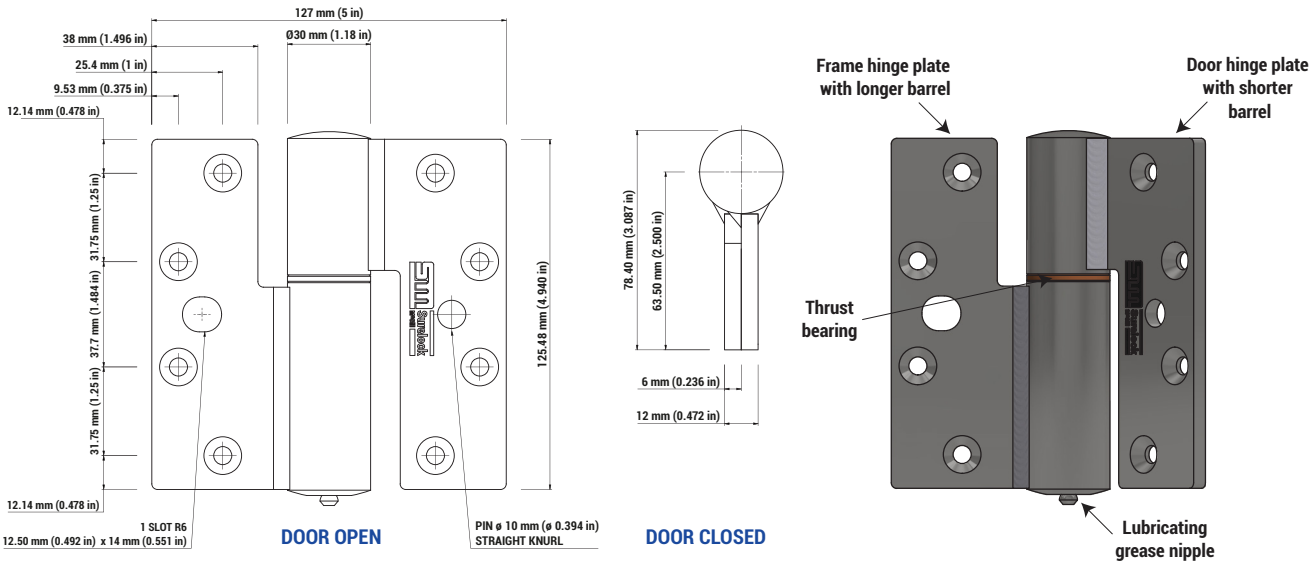
LOADING CHART

The following chart is a guide for maximum door widths and weights tested on a door height of 2.1 m using 2 hinges spaced equally apart at the top and bottom of the leaf.



LOAD DECLARATIONS - All load ratings are based on mounting with M6 A2, or #12-24 UNC 18-8 stainless steel screws
 Radial load capacity - 100 kg (220 lbs) per Lift-Off Hinge
 Thrust load capacity - 175 kg (385 lbs) per Lift-Off Hinge

HC30 LIFT-OFF HINGE TECHNICAL DRAWINGS



SELF CODING SYSTEM

The HC30 Lift-Off Hinges have a structured ordering code that covers the quantity, plate details, security pins, finish and handing. Additional enhancements can be added to further customise.

EXAMPLE ORDER CODE: HC30-L2-55-00-B-LH (1 PAIR)

SYSTEM			LOADING REQUIREMENT			HINGE CODE & QTY			MOUNTING PLATE WIDTH		FINISH		SECURITY PINS		ORIENTATION	
HC	30	Medium Duty	L	1	Lift-Off Hinges (single)		55	ANSI 5x5 Mortise		00	Satin		A	Knock-in Pin	RH	Right Hand
				2	Lift-Off Hinges (1 pairs)								B	No Pin Provided	LH	Left Hand
				3	Lift-Off Hinges (1 1/2 pairs)								E	Screw-in Pin		

High performance Cam Lift Hinge sets for acoustic and RFI doors to support the weight and radial load as the door opens and closes. The HC44 Cam Lift Hinge set provides consistent smooth lift of 12.7 mm (0.5") over 180°, releasing the door from its bottom seal, reducing the risk of damage and wear.

Superb in design with fully machined helixes, the HC44 Cam Lift Hinge set can handle door weights up to 3,500 kg (7,700 lbs). Manufactured in 316 grade stainless steel for maximum strength even in the harshest environments.



HC44 LEFT HAND CAM LIFT



HC44 LEFT HAND SUPPORT

FEATURES

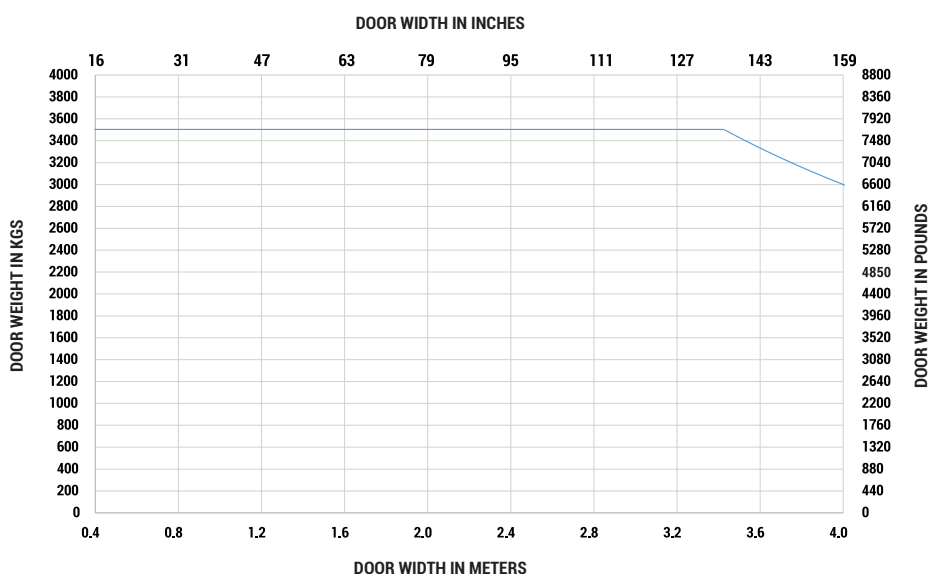
- Full surface hinge (surface mounted onto door and frame)
- Designed for door weights up to 3,500 kg (7,700 lbs) and a radial load up to 3,000 kg (6,600 lbs)
- 6.4 mm (0.25") lift over 90°
- 12.7 mm (0.5") lift over 180°
- 316 grade stainless steel offering long term durability
- Greasing facility for smooth operation and longevity
- Install using 8 x M12 Grade 12.9 (1/2"-13 UNC Grade 8) screws (not supplied)
- Adjustable set-screw with locking nut on Cam Lift hinges to adjust base level of separation between top and bottom barrel
- Set includes one HC44 Cam Lift and a pair (2) of HC44 Support hinges

BENEFITS

- Easy door height adjustment
- Engineered for longevity and trouble-free service
- Grease nipple for ease of service

LOADING CHART

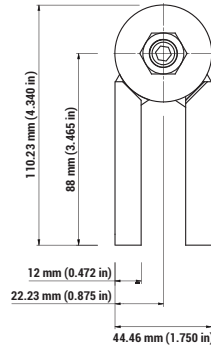
The following chart is a guide for maximum door widths and weights tested on a door height of 2.1 m using 2 Support hinges and 1 Cam Lift hinge spaced equally apart at the top and bottom of the leaf.



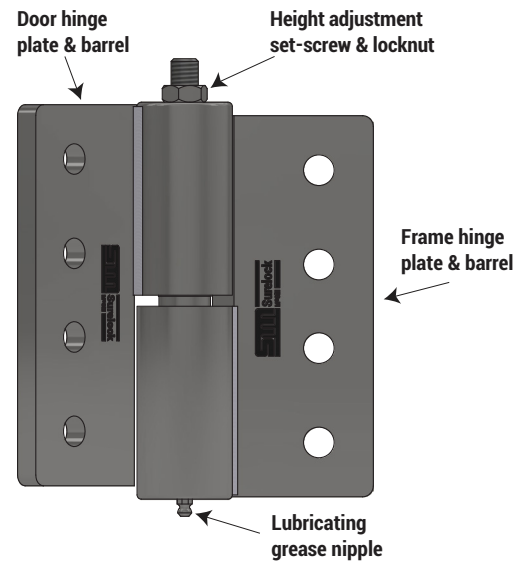
LOAD DECLARATIONS - All load ratings are based on mounting with M12 Grade 12.9 screws or 1/2"-13 UNC Grade 8 screws
 Radial load capacity - 3,000 kg (6,600 lbs) per Support Hinge | No radial load capacity per Cam Lift Hinge
 Thrust load capacity - 3,500 kg (7,700 lbs) per Cam Lift Hinge

DOOR CLOSED

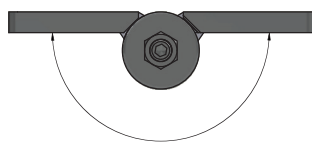
MINIMUM CLEARANCE AT HEAD
OF FRAME 8 MM (0.31")



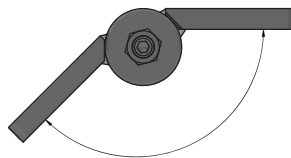
DOOR OPEN



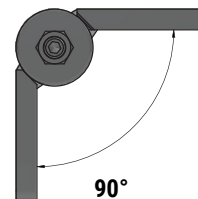
HC44 CAM LIFT HINGE DETAIL OF LIFT



180°



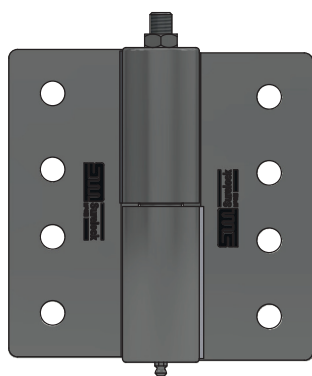
135°



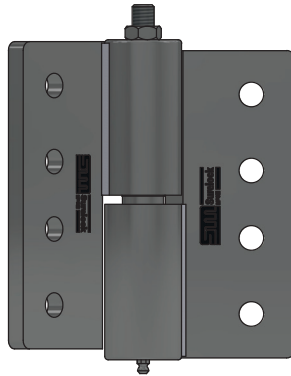
90°



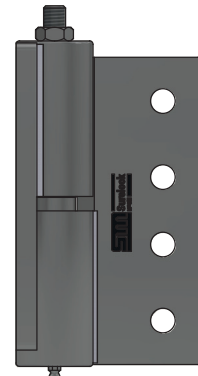
DOOR OPEN



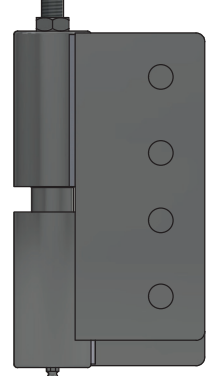
DOOR CLOSED



3.175 mm LIFT



6.350 mm LIFT



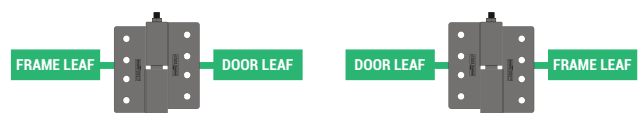
12.700 mm LIFT

SELF CODING SYSTEM

The HC44 Cam Lift Hinge sets include HC44 Support hinges and have a structured ordering code that covers the quantity of each type, plate details, finish and handing. Additional enhancements can be added to further customise.

EXAMPLE ORDER CODE: HC44-C1-S2-77-00-LH

HANDING DIAGRAM



RIGHT HAND MOUNTING

LEFT HAND MOUNTING

SYSTEM	LOADING REQUIREMENT		CAM LIFT CODE & QTY			SUPPORT HINGE CODE & QTY			MOUNTING PLATE WIDTH		FINISH		ORIENTATION	
HC	44	Heavy Duty	C	1	Cam Lift Hinge (1 Single)	S	2	Support Hinges (1 Pair)	77	Surface 7" x 7" (178 mm x 178 mm)	00	Satin	RH	Right Hand
													LH	Left Hand

High performance HC44 Lift-Off Hinges for heavy duty, high performance hinged doors, supporting the weight and radial load as the door opens and closes. Superb in design, the HC44 Lift-Off Hinge can handle door weights up to 3,500 kg (7,700 lbs). Manufactured in 316 grade stainless steel for maximum strength even in the harshest environments. Fitted with a thrust bearing and grease nipple for lubrication, providing smooth operation and longevity.

HC44 Lift-Off Hinges are normally used in a pair (2), or 1½ pairs (3) for over-height doors.



HC44 LEFT HAND LIFT-OFF

FEATURES

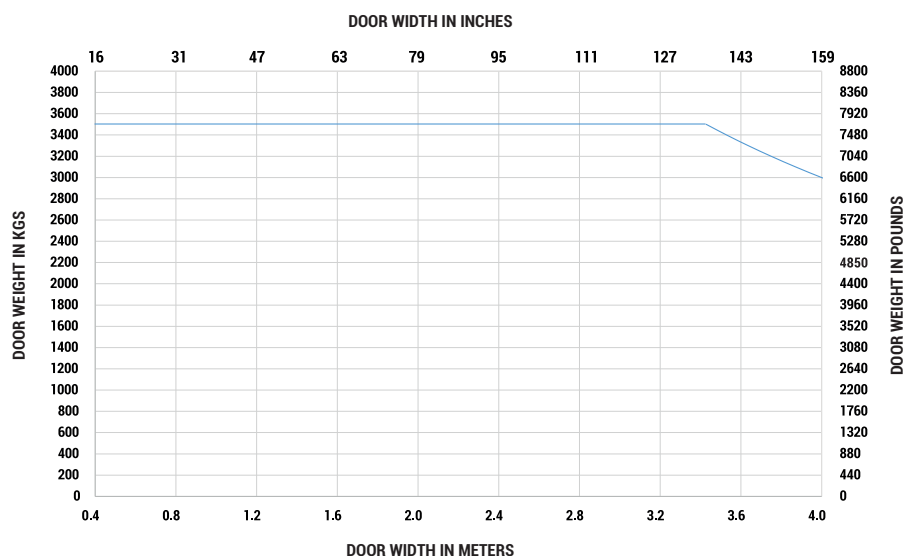
- Full surface hinge (surface mounted onto door and frame)
- Designed for door weights up to 3,500 kg (7,700 lbs) and a radial load up to 3,000 kg (6,600 lbs)
- 316 grade stainless steel offering long term durability
- Thrust bearing and greasing facility for smooth operation and longevity
- Install using 8 x M12 Grade 12.9 (1/2"-13 UNC Grade 8) screws (not supplied)

BENEFITS

- Grease nipple for ease of service
- Engineered for trouble free service
- Ideal solution for oversized and specialist doors

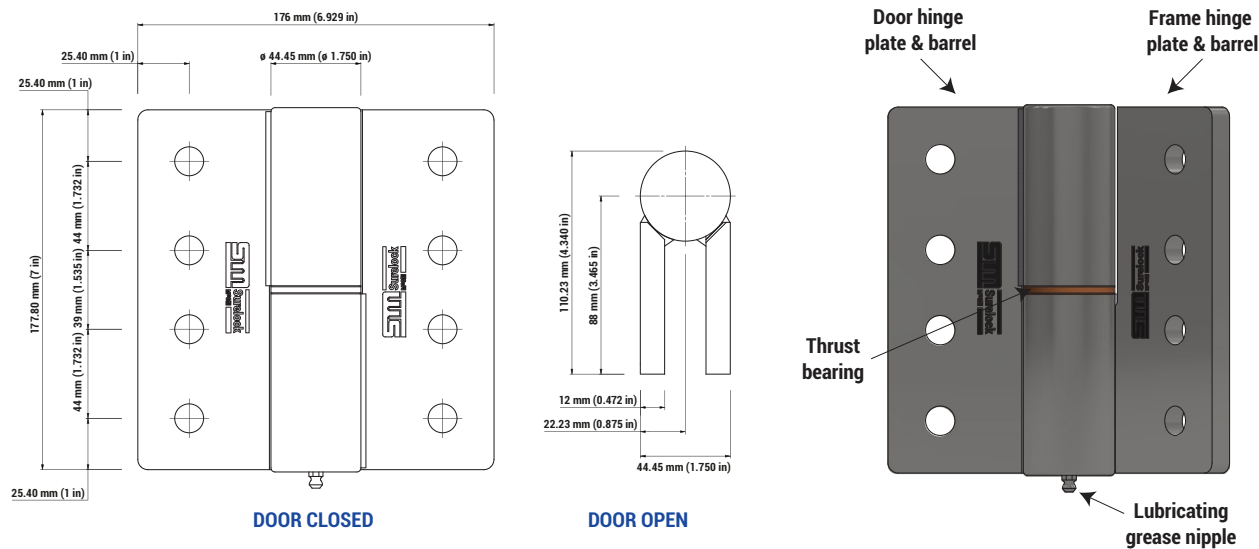
LOADING CHART

The following chart is a guide for maximum door widths and weights tested on a door height of 2.1 m using 3 hinges spaced equally apart at the top and bottom of the leaf.



LOAD DECLARATIONS - All load ratings are based on mounting with # M12 Grade 12.9 screws or 1/2"-13 UNC Grade 8 screws
 Radial load capacity - 3,000 kg (6,600 lbs) per Lift-Off Hinge
 Thrust load capacity - 3,500 kg (7,700 lbs) per Lift-Off Hinge

HC44 LIFT-OFF TECHNICAL DRAWINGS



SELF CODING SYSTEM

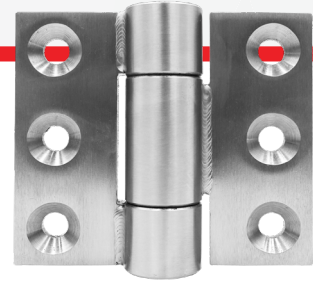
The HC44 Lift-Off Hinge has a structured ordering code that covers the quantity, plate details, finish and handing. Additional enhancements can be added to further customise.

EXAMPLE ORDER CODE: HC44-L2-77-00-LH (1 PAIR)

SYSTEM			LOADING REQUIREMENT			HINGE CODE & QTY			MOUNTING PLATE WIDTH		FINISH		ORIENTATION	
HC	44	Heavy Duty	L	2	Lift-Off Hinges (1 pair)	77	Surface 7" x 7" (178 mm x 178 mm)	00	Satin	RH	Right Hand		LH	Left Hand

Blast, ballistic, and forced-entry-resistant door assemblies place unique demands on hardware. The Surelock McGill HT Series Hinges are high-capacity hinges designed to support these demanding security applications.

The HT10 and HT12 are triple-weight detention-style hinges constructed from Grade 316 stainless steel for resistance to corrosion and hostile environments. Designed for heavy security door assemblies, they incorporate thrust and needle roller bearings to support smooth operation under high loads and provide a load capacity beyond 2,000 lbs per hinge.



HT HINGE



HT HINGE WITH CAP REMOVED
EXPOSING GREASE FITTING

FEATURES

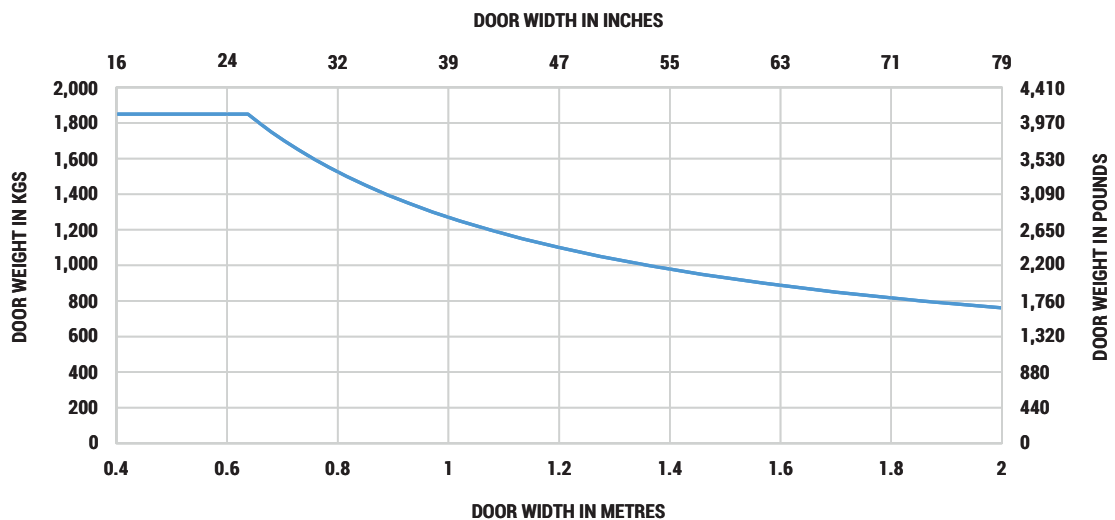
- Full Mortise Hinge
- 4,100 lbs (1,800 kg) thrust load capacity per hinge
- 1,120 lbs (500 kg) radial load capacity per hinge
- Grade 316 stainless steel construction
- Thrust and needle roller bearings
- Concealed grease fittings
- Tested to 1,500,000 cycles on a 1,102 lbs (500 kg) door assembly

BENEFITS

- Long-term durability and corrosion resistance
- Easy maintenance while preserving appearance
- Suitable for demanding security applications
- Smooth operation under load

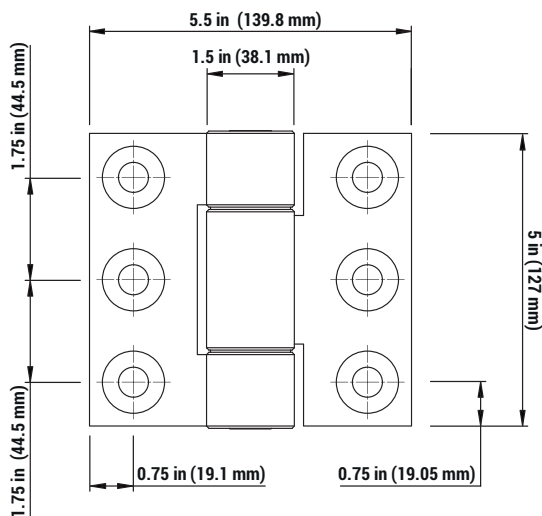
LOADING CHART

The following chart is a guide for maximum door widths and weights tested on a door height of 7 ft (2.1 m) using 2 hinges equally spaced from the top and bottom of the leaf.

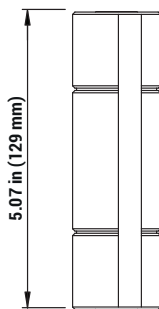


LOAD DECLARATIONS - Cycle test to 1,500,000 cycles on a 1,102 lbs (500 kg) door using 2 hinges
 Radial load capacity - 1,120 lbs (500 kg) per hinge
 Thrust load capacity - 4,100 lbs (1,800 kg) per hinge

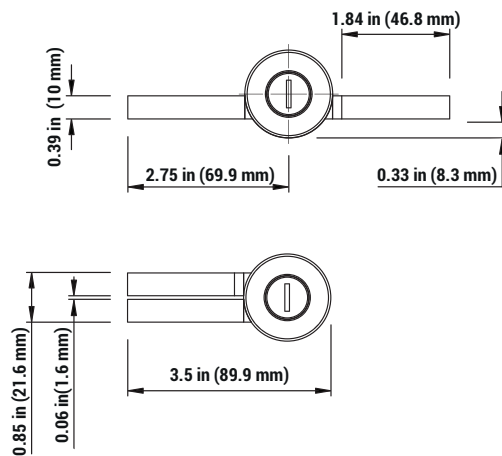
HT HINGES TECHNICAL DRAWINGS



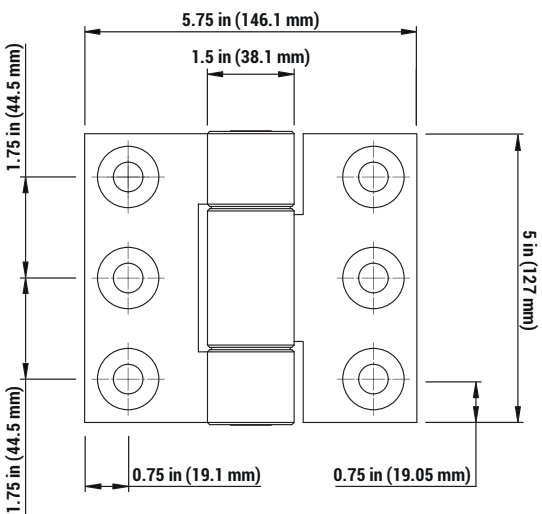
HT10 ELEVATION VIEW



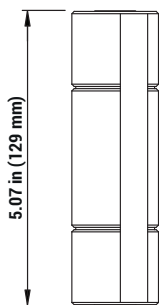
HT10 SIDE VIEW



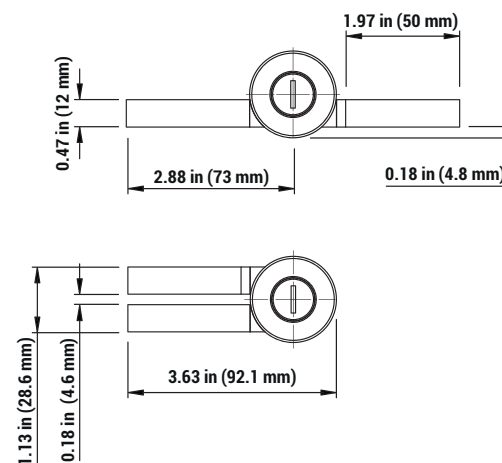
HT10 PLAN VIEW



HT12 ELEVATION VIEW



HT12 SIDE VIEW



HT12 PLAN VIEW

SELF CODING SYSTEM

The HT Hinges have a structured ordering code that covers the type, plate details, finishes, and mounting hardware.

EXAMPLE ORDER CODE: HT10-47-00-00

SYSTEM	MOUNTING PLATE THICKNESS		MOUNTING PLATE SIZE*		FINISH		MOUNTING HARDWARE	
HT	10	10 mm plate	47	46.8 mm (HT10 Only)	00	Satin	00	Metric M12 Stainless Steel (A2)
	12	12 mm plate	50	50 mm (HT12 Only)			01	Imperial 1/2" Stainless Steel (18-8)
							02	Metric M12 Stainless Steel (A4)
							03	Imperial 1/2" Stainless Steel (316 Grade)

* For more information on custom mounting plates contact our sales team at +44 (0) 118 977 2525

Designed as an ancillary system to complement our range of high-security locking systems, the MICO Flush Bolts range are robustly manufactured from stainless steel, making them corrosion resistant for use in hostile environments and provide a concealed, flexible security addition to your existing security systems.

Flush Bolts are a recessed, hidden levered bolt lock that can be used to add concealed locking points to a door or increase security on the secondary door side of a double doorset.

FEATURES

- Flush, mortice-style design
- 30mm bolt throw
- Fully Stainless steel construction for corrosion resistance and durability
- Suitable for both steel and timber doorsets
- Compatible with double doorsets
- Interchangeable hex bolts, with 13AF available as standard and 16AF/19AF options available

BENEFITS

- Ideally suited for removable access panels and passive-leaf security door systems
- Heavy duty bolt throw designed to resist cutting, levering, and ramming attempts
- Quick install and easy to adjust using the M8 threaded rod
- Concealed fixings
- Certified to a range of international standards (see Product Performance Chart)

OPTIONAL ENHANCEMENTS

- Interchangeable bolts Hex 16 AF or 19 AF for higher security



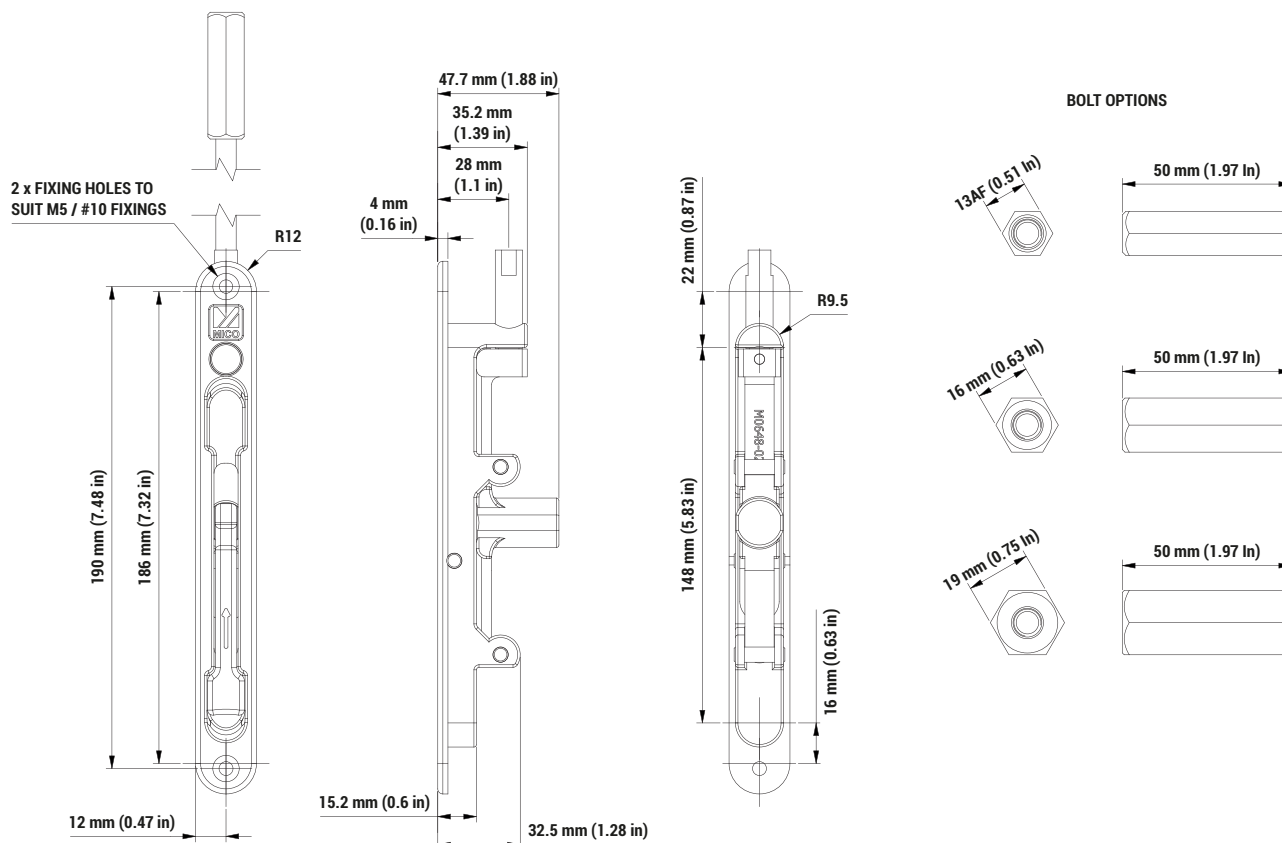
FLUSH BOLT TOP
(FB13)

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						
Issue 7	SR1	SR2	SR3	SR4	SR5	SR6	SR7								SR8	TIME	A	B	C	D
Issue 8	A	B	C	D	E	F	G	H	TIME	A	B	C	D							
20 MIN									300 SEC											
15 MIN									240 SEC											
10 MIN	A10	B10	C10	D10					180 SEC											
5 MIN									120 SEC											
3 MIN									60 SEC											
1 MIN									30 SEC											

FLUSH BOLT TECHNICAL DRAWING



SELF CODING SYSTEM

High Security Flush Bolts have 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: FB14

MODEL	DIMENSION CODES				EXTENSION CODES
VARIANT	BOLT DIA (A)	THROW (B)	LENGTH (C)	WIDTH (D)	1000 mm (40")
FB13	13 mm (1/2")	30 mm (1 3/16")	222 mm (8 3/4")	24 mm (7/8")	N/A
FB16	16 mm (5/8")	30 mm (1 3/16")	222 mm (8 3/4")	24 mm (7/8")	1000
FB19	19 mm (3/4")	30 mm (1 3/16")	222 mm (8 3/4")	24 mm (7/8")	

A heavy duty range of surface fitting Tower Bolts designed to complement our wide range of high security locking systems. Ideal for securing the passive leaf of a double doorset and removable upper or side panels.

The range incorporates a selection of bolt sizes and bolt engagement, with extended lengths available for taller doors. Successfully tested to a wide range of international standards. Manufactured in 316 stainless steel for hostile environments and durability.

FEATURES

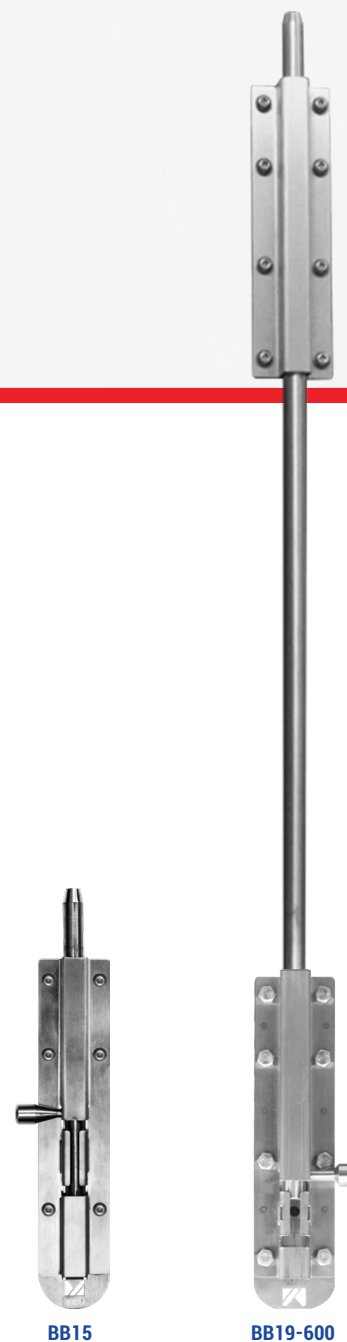
- Suitable for both steel and timber doorsets
- Size selection to meet security, including extended reach
- Fully Stainless steel construction for corrosion resistance and durability

BENEFITS

- Easy retrofit, to upgrade existing doors
- Successfully tested on security, blast, ballistic and fire doors
- Certified to a range of international standards (see Product Performance Chart)

OPTIONAL ENHANCEMENTS

- Extensions for taller doors 600 mm (24") or 1750 mm (69")
- Range of strikes available on request

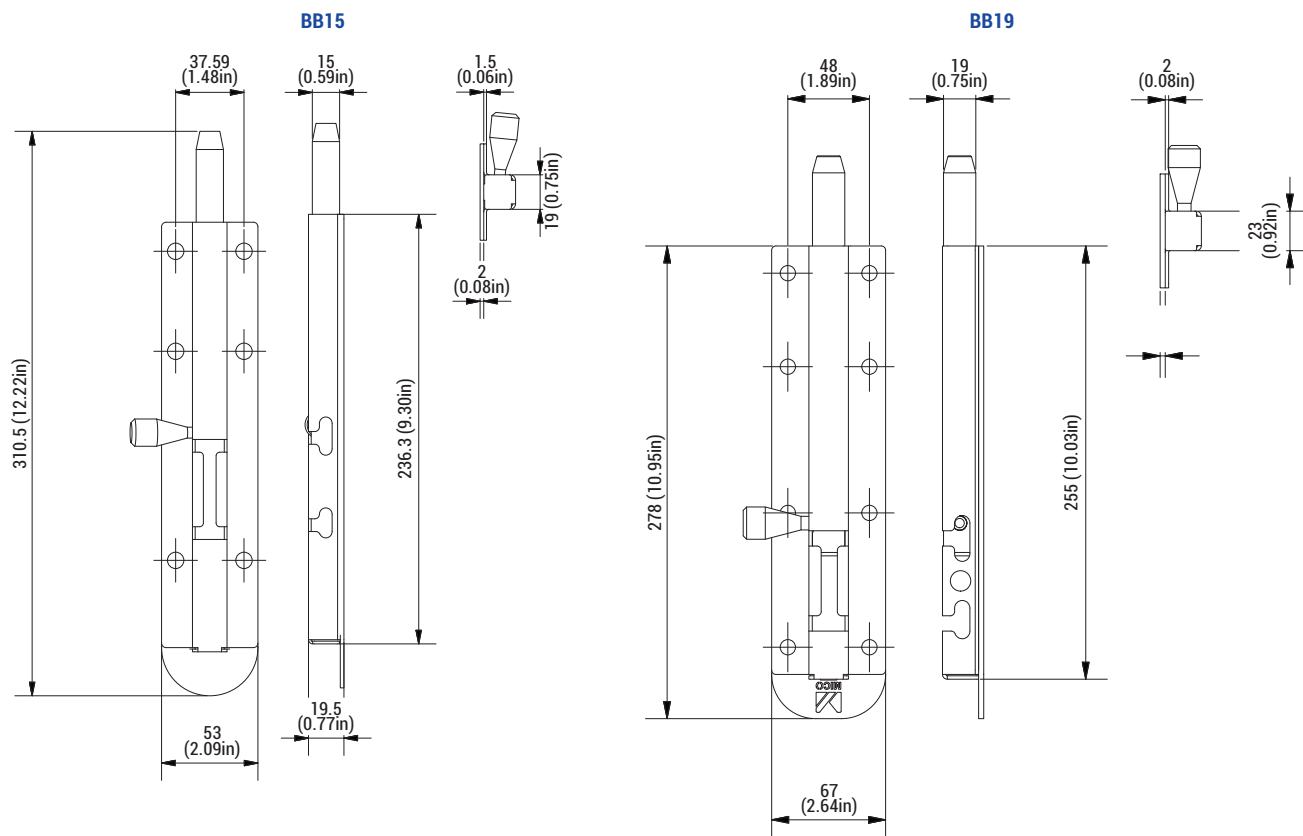


PRODUCT PERFORMANCE CHART

☐ 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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5			EN 179	UL752 Level 1-10	EN 1634-1	GR4	500K	
10 MIN	A10	B10	C10	D10	E10	F10			180 SEC					15	RC4	BR4		SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR3	
5 MIN									120 SEC						RC3	BR3			BS 476-22	GR2	200K			
3 MIN									60 SEC					5	RC2	BR2								
1 MIN									30 SEC						RC1	BR1								

TOWER BOLT TECHNICAL DRAWINGS



SELF CODING SYSTEM

High Security Tower Bolts have 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: BB15

MODEL	SECURITY RATING	DIMENSION CODES				EXTENSION CODES	
VARIANT	LPS 1175	BOLT DIA (A)	THROW (B)	LENGTH (C)	WIDTH (D)	600 mm (24")	1000 mm (40")
BB12	-	12 mm (1/2")	25 mm (1")	150 mm (6")	40 mm (1 5/8")	N/A	N/A
BB15	SR6	15 mm (5/8")	50 mm (2")	260 mm (10 3/4")	53 mm (2 1/4")	600	1000
BB19		19 mm (3/4")	35 mm (1 3/8")	280 mm (11")	66 mm (2 5/8")		

A range of Vision Panel Lites and windows to provide awareness of pedestrians, or potential threats on the other side of the door, or wall. Each designed to provide resistance to a combination of forced entry, blast, ballistic and fire protection. Successfully tested and certified to many international standards.

Vision Panel Lites are supplied as a pre-assembled package for fast-easy installation, suitable for varying door and wall thicknesses, a perfect additional feature for high performance doors.

FEATURES

- Pre-assembled and bolt-through mounting makes for a fast-easy installation
- Choice of multiple threat protection
- Standard sizes for fast delivery (clear vision)
- 170 mm (6 5/8") x 170 mm (6 5/8")
- 170 mm (6 5/8") x 370 mm (14 1/2")
- 170 mm (6 5/8") x 670 mm (26 3/8")

BENEFITS

- Easy retrofit, to upgrade existing doors and walls
- Certified to a range of international standards (see Product Performance Chart)

OPTIONAL ENHANCEMENTS

- 316 grade stainless steel construction for hostile environments and durability
- Powered glass for clear or diffused view at the touch of a button
- Maximum measurements for non-standard sizes (clear vision)
- Fire rated options available upon request

Non-standard sizes will have additional cost and lead times applicable



EXTERNAL VIEW



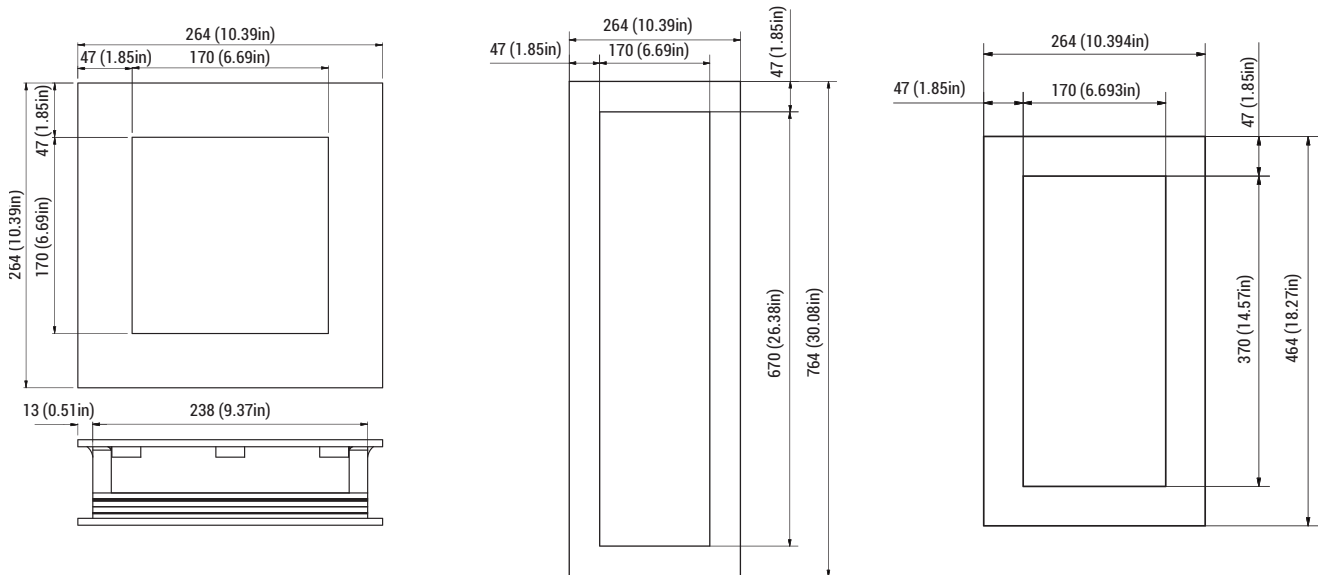
INTERNAL VIEW

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 product 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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB6	ISO 16933 EXV 15	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5			EN 179	UL752 Level 1-10		EN 1634-1	GR4	
10 MIN	A10	B10	C10	D10	E10				180 SEC					15	RC4	BR4								
5 MIN									120 SEC						RC3	BR3								
3 MIN									60 SEC					5	RC2	BR2								
1 MIN									30 SEC						RC1	BR1		SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	BS 476-22	GR2	200K

VISION PANEL LITE TECHNICAL DRAWINGS



SELF CODING SYSTEM

Vision Panel Lites have a structured ordering code that covers the chosen security rating, ballistic protection, fire rating followed by the vision area and door thickness. Enhancements and finishes can be added to further customise the device.

EXAMPLE ORDER CODE:

VP3-4-90BI-0170-0170-57-E-9006

MODEL	SECURITY RATING		BALLISTIC PROTECTION		FIRE EN 1634				CLEAR VISION AREA WIDTH X HEIGHT (MM)		DOOR / WALL THICKNESS (MM)		ENHANCEMENTS		FINISH	
					INTEGRITY		FIRE DIRECTION				EXAMPLE SIZES					
VP	0	None	0	None	NO FR		No fire rating		0170 -0170		00	No packers Required	O	None	S1	316 Stainless steel
	2	B3 (SR2)	2	EN 1522 FB2	30	30 Mins	FA	Unidirectional Fire to attack side only	0170 - 0370		46	46mm (1 7/8")	D	Double glazed unit	9006	Painted (Ral number)
	3	C5 (SR3)	4	EN 1522 FB4	90	90 Mins	FS	Unidirectional Fire to secure side only	0170 - 0670		57	57mm (2 1/4")	E	Electronically obscured	xxxx	Powder coat finish to RAL colour of choice
	4	D10 (SR4)	6	EN 1522 FB6			BI	Bidirectional Fire to either side (90 mins only)								
	5	E10 (SR5)														

Max-Air Louvres provide the necessary ventilation for a wide range of critical infrastructure applications. Designed to meet the combined threats of high level forced entry and blast protection. Ideal for use in high performance structural walls, as well as multi-threat doors. Successfully tested and certified to many international standards.

Louvres are supplied in modular sizes and in pre-assembled packages for fast-easy installation. Suitable for varying wall and door thicknesses and available for specific ventilation requirements.



MAX-AIR LOUVRE

FEATURES

- Multiple threat protection
- 316 grade stainless steel construction for hostile environments and durability
- Fast installation made easy through the simple through-bolt mounting
- Suitable for server rooms, generator housings, air conditioning systems, sub stations, chemical storage, etc
- Standard sizes for fast delivery

BENEFITS

- Sandwich fixing method for ease of installation and retro-fit mounting
- Certified to a range of international standards (see Product Performance Chart)

OPTIONS

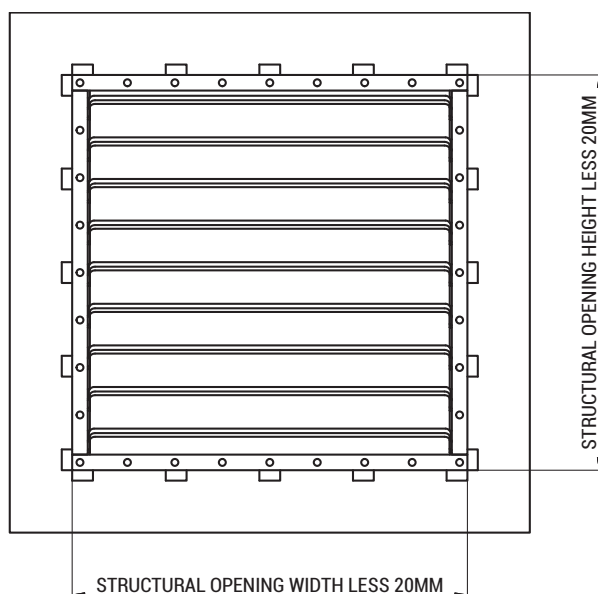
- Button or Countersunk head mounting screws available
- Accelerant protection
- Insect mesh (bug screens)
- Vibration alarm
- Special finishes available

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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5								
10 MIN	A10	B10	C10	D10	E10				180 SEC					15	RC4	BR4	PAS 24	SRA	EN 179	UL752 Level 1-10	ASTM F2927 Cat 1	EN 1634-1	GR4	500K
5 MIN									120 SEC						RC3	BR3								
3 MIN									60 SEC					5	RC2	BR2	PAS 24	SRA	UL 305	NIJ 0108.01 Level 1-4	BS 476-22		GR2	200K
1 MIN									30 SEC						RC1	BR1								

MAX-AIR LOUVRE TECHNICAL DRAWING



Max- Air Louvre's have a structured ordering code that covers the chosen model,width, height, material and protection, followed by insect mesh and finish codes, additional enhancements can be added to further customise the device.

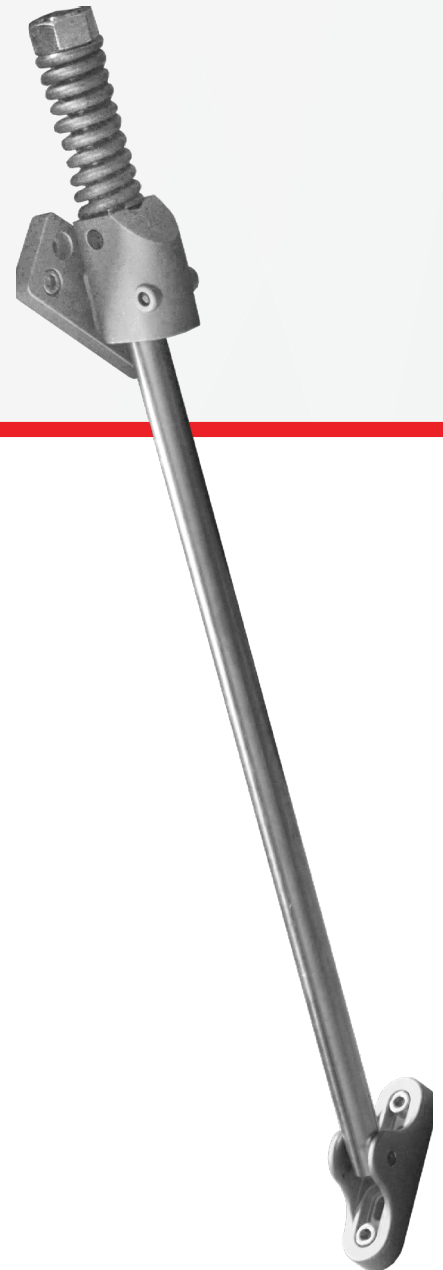
EXAMPLE ORDER CODE: XA4-400-400-S6-H-I-RAL 9006

MODEL		WIDTH	HEIGHT	MATERIAL		PROTECTION		INSECT MESH		FINISH	
XA0	No Security Rating	400 mm (16")	400 mm (16")	S4	304 stainless steel	H	Hand	I	Insect mesh supplied	NATURAL	Natural
XA1	SR1 Security Rating	500 mm (20")	500 mm (20")	S6	316 stainless steel	B	Body		None provided	PRIMER	Primer
XA2	SR2 Security Rating	700 mm (28")	700 mm (28")	MS	Mild Steel					RAL XXXX	Powder coat finish to RAL colour of choice
XA3	SR3 Security Rating	900 mm (35")	900 mm (35")								
XA4	SR4 Security Rating										
XA5	SR5 Security Rating										
XA6	SR6 Security Rating										

Any size between 125mm X 125mm and 900mm X 900mm available as standard. Please contact us for oversized requirements

The MICO Surface Mounted Door Stays are a robust, stainless steel adjustable door stay designed to absorb the shocks that are caused by the door being forcibly opened. The door stays are made with easy adjustment in mind, with an adjustable fastener that can be adjusted to allow openings of between 90 and 110 degrees and a hold open tension that can be easily adjusted on-site.

The high quality marine-grade stainless steel construction makes them particularly suited to coastal regions and other areas susceptible to corrosion, acid rain and other hostile weather.



FEATURES

- Surface mounted for quick easy installation
- Robust in-built shock absorption system
- Fully Stainless steel construction for corrosion resistance and durability
- Position to stop at 90° - 110° door opening
- Hold open mechanism, easily adjusted on site

BENEFITS

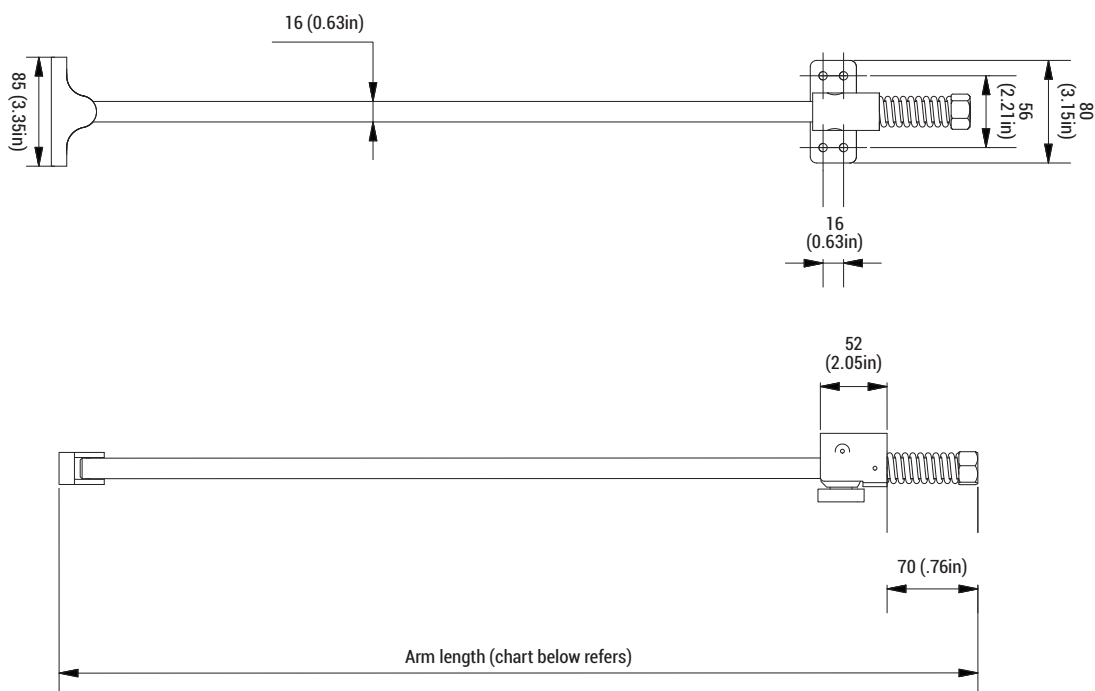
- Available for a wide range of door leaf widths
- Tested to over 1,000,000 cycles
- Designed to stop heavy weight high performance doors

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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5							EN 1634-1	
10 MIN									180 SEC					15	RC4	BR4			SRA	EN 179	UL752 Level 1-10		GR4	500K
5 MIN									120 SEC						RC3	BR3								GR3
3 MIN									60 SEC					5	RC2	BR2			UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR2	200K
1 MIN									30 SEC						RC1	BR1								

DOOR HOLDER & STOP TECHNICAL DRAWING



SELF CODING SYSTEM

Door Holders & Stops have 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: DH16-500

DOOR STAYS		ARM DIA.	RANGE	ARM LENGTH		DOOR WIDTHS
DH	Door holder	12 mm (1/2")	Medium duty	400	400 mm (16")	550 mm (22") to 700 mm (28")
DS	Door stop	16 mm (5/8")	Heavy duty	500	500 mm (20")	700 mm (28") to 900 mm (36")
				600	600 mm (24")	900 mm (36") to 1050 mm (42")
				700	700 mm (28")	1050 mm (42") to 1200 mm (48")

The Surelock McGill ADO 300 is a heavy duty automatic swing door operator, designed to electronically control the power opening and closing of single and double-leaf doors. The robust, belt driven design can operate doors up to 300 kg (660 lbs), a perfect fit for high performance blast, ballistic and forced entry resistant doors.



The digital programming module enables each door to be customised to meet its specific operational requirements, including compensation for wind and internal building pressure differences. The ADO's DC power supply seamlessly integrates with access control, alarm and locking systems.

FEATURES

- Operates doors up to 300 kg (660 lbs)
- Motor driven opening and closing
- Power supply field programmable 115/230 VAC 50-60 Hz, 5 amp circuit (120 W)
- Working temperature range of -15 °C (5 °F) to 50°C (120 °F)
- 24 VDC/1 A power supply for external locking accessories (electric strikes, maglocks, motorised bolt retraction locks, electric latch retraction)
- Digital programmer sets field operating parameters and displays system diagnostics
- Opening time to 95° is 4-12 seconds, closing time from 95° is 5-15 seconds (field programmable)
- Enclosure environmental rating: IP31

BENEFITS

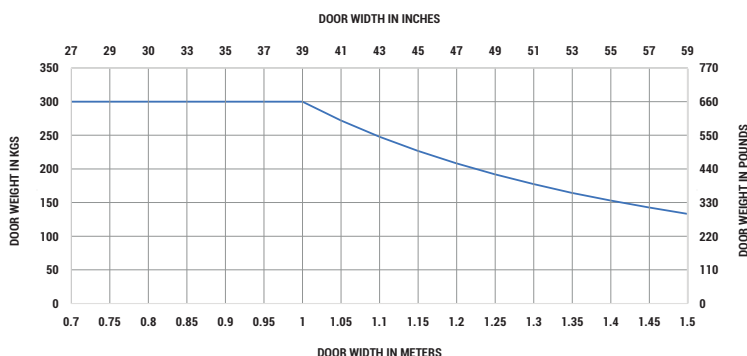
- High degree of site-specific programming options
- Works seamlessly with all Surelock McGill motorised bolt retraction devices
- Capable for use on escape routes
- Provides hands free access solutions when used with motorised locking

OPTIONS

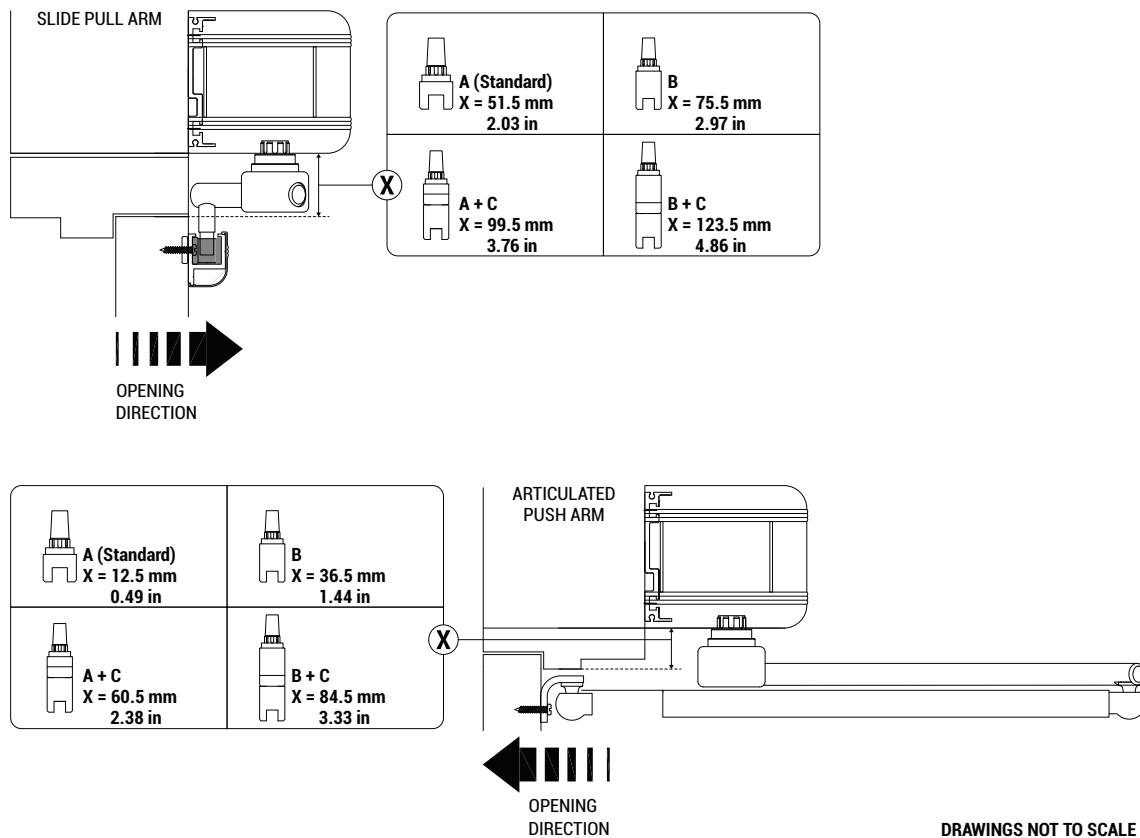
- Arm pivot extensions 'B' & 'C' to suit various applications
- Entry/exit safety sensors and switches
- Finger protection guards
- Operating mode key switches
- Battery backup available, in case of power failure

ADO CHART

Weight vs width for articulated arms. The relation between height and width of a door leaf must be less than 5:1.



SURELOCK ADO 300 TECHNICAL DRAWING



ARM		EXTENSION	X (DIMENSION) SLIDE PULL ARM	X (DIMENSION) ARTICULATED PUSH ARM
CODE	REF			
Std	A	Zero (Datum)	51.5 mm (2.03 in)	12.5 mm (0.49 in)
Ext-B	B	24 mm (0.95 in)	75.5 mm (2.97 in)	36.5 mm (1.42 in)
Ext-C	A + C	48 mm (1.89 in)	99.5 mm (3.76 in)	60.5 mm (2.38 in)
Ext-D	B + C	72 mm (2.84 in)	123.5 mm (4.86 in)	84.5 mm (3.33 in)

REFERENCE STANDARDS

- EN 13849-1 Safety of machinery
- EN 13849-2 Safety of machinery
- EN 61000-6-2 Electromagnetic compatibility
- EN 61000-6-3 Electromagnetic compatibility
- EN 60335-1 Low Voltage Directive (LVD)
- EN 16005 Power operated pedestrian doorsets

Options to be ordered separately - for more information please contact our sales office

The Surelock McGill ADO 200 is a medium duty automatic swing door operator, designed to electronically control the power opening and spring closing of single and double-leaf doors. The robust, belt driven design can operate doors up to 250 kg (550 lbs), a perfect fit for high performance blast, ballistic, forced entry resistant, and fire doors.

The digital programming module enables each door to be customised to meet its specific operational requirements, including compensation for wind and internal building pressure differences. The ADO's DC power supply seamlessly integrates with access control, alarm and locking systems.



FEATURES

- Operates doors up to 250 kg (550 lbs)
- Motor driven opening with spring closing
- Power supply field programmable 115/230 VAC 50-60 Hz, 5 amp circuit (120 W)
- Working temperature range of -15 °C (5 °F) to 50 °C (120 °F)
- 24 VDC/1A power supply for external locking accessories (electric strikes, maglocks, motorised bolt retraction locks, electric latch retraction)
- Digital programmer sets field operating parameters and displays system diagnostics
- Opening time to 95° is 4-12 seconds, closing time from 95° is 5-15 seconds (field programmable)
- Enclosure environmental rating: IP31

BENEFITS

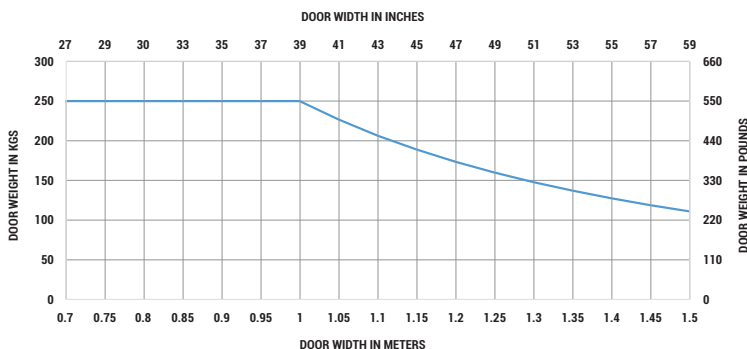
- High degree of site-specific programming options
- Works seamlessly with all Surelock McGill motorised bolt retraction devices
- Capable for use on escape routes
- Provides hands free access solutions when used with motorised locking

OPTIONS

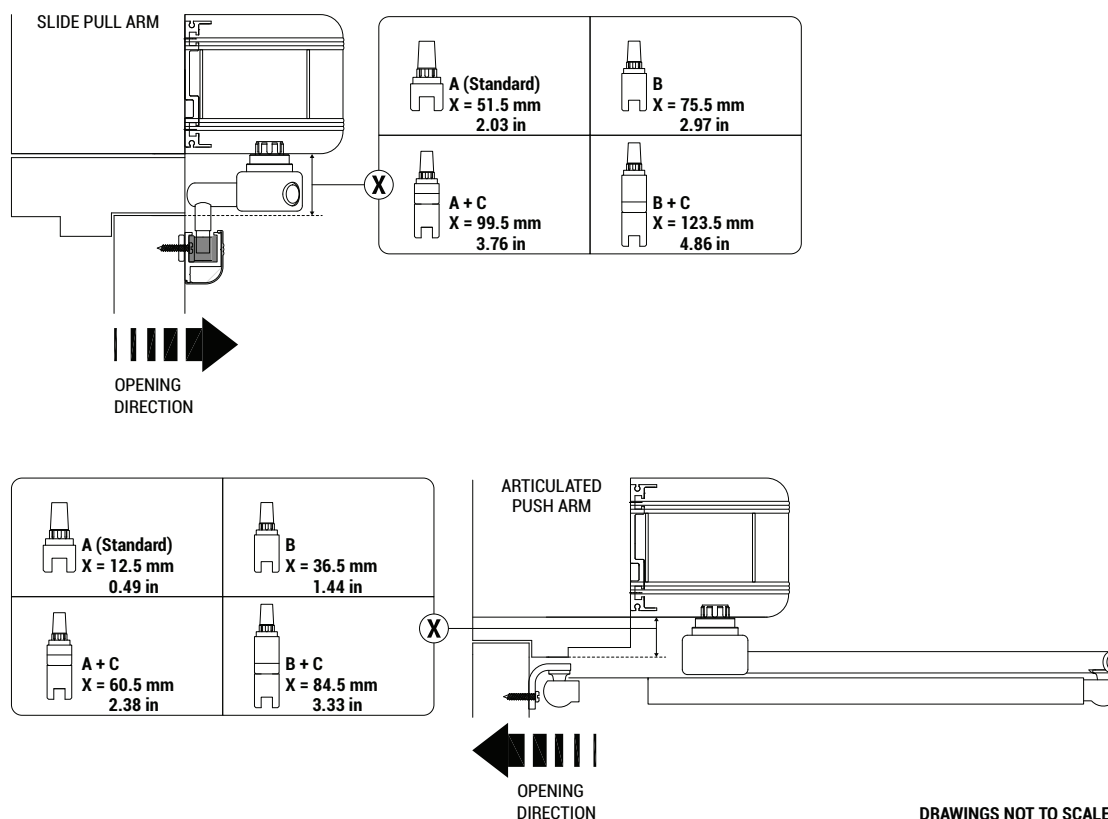
- Arm pivot extensions 'B' & 'C' to suit various applications
- Entry/exit safety sensors and switches
- Finger protection guards
- Operating mode key switches
- Battery back-up available, in case of power failure

ADO CHART

Weight vs width for articulated arms. The relation between height and width of a door leaf must be less than 5:1.



SURELOCK ADO 200 TECHNICAL DRAWING



DRAWINGS NOT TO SCALE

ARM		EXTENSION	X (DIMENSION) SLIDE PULL ARM	X (DIMENSION) ARTICULATED PUSH ARM
CODE	REF			
Std	A	Zero (Datum)	51.5 mm (2.03 in)	12.5 mm (0.49 in)
Ext-B	B	24 mm (0.95 in)	75.5 mm (2.97 in)	36.5 mm (1.42 in)
Ext-C	A + C	48 mm (1.89 in)	99.5 mm (3.76 in)	60.5 mm (2.38 in)
Ext-D	B + C	72 mm (2.84 in)	123.5 mm (4.86 in)	84.5 mm (3.33 in)

REFERENCE STANDARDS

- EN 13849-1 Safety of machinery
- EN 13849-2 Safety of machinery
- EN 61000-6-2 Electromagnetic compatibility
- EN 61000-6-3 Electromagnetic compatibility
- EN 60335-1 Low Voltage Directive (LVD)
- EN 16005 Power operated pedestrian doorsets
- EN 1634-1 Fire resisting doorsets

Options to be ordered separately - for more information please contact our sales office

The Surelock McGill Sealed Keyring is designed for the higher security needs of prison type environments, including secure hospitals and detention centers, where unauthorised transfer of keys is a serious risk. Sealed keyrings ensure the best possible control of specific keys issued to individuals.

Special hydraulic tooling creates a permanent keyring seal preventing unauthorised key removal. This unique seal can be applied to a range of keyring sizes. Removal of the seal requires the special tooling to cut and destroy the seal and enable the authorised change of keys, a new seal can be applied to the same keyring.



FEATURES

- Tamperproof
- High resistance to abuse/misuse
- Negates welding/brazing problems and metal embrittlement
- 316 grade stainless steel construction
- 20 mm (3/4") seal diameter
- 3mm (1/8") ring section diameter

BENEFITS

- Reusable keyrings saving cost when changes are required
- Choice of ring sizes to suit content
- Resists unauthorised key removal
- Sealed by special tooling

OPTIONS

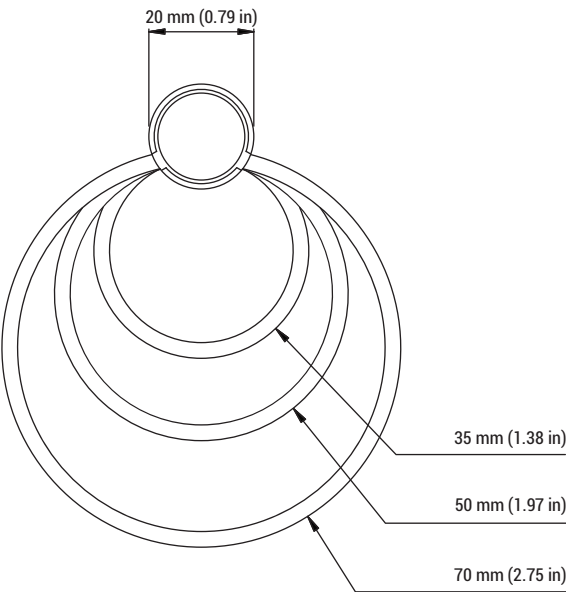
- Customised branding of the seal by special order (applicable only on orders of more than 1500 keyrings)
- Seal & Open tooling (3,000 kg - 3 tonne capacity)

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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5			EN 179	UL752 Level 1-10	EN 1634-1		GR4	500K
10 MIN									180 SEC					15	RC4	BR4			EN 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR3	
5 MIN									120 SEC						RC3	BR3	BS 476-22				GR2	200K		
3 MIN									60 SEC					5	RC2	BR2					GR1			
1 MIN									30 SEC						RC1	BR1								

SEALED KEYRING TECHNICAL DRAWING



SELF CODING SYSTEM

Sealed Keyrings have a structured ordering code that allows the purchase of a full keyring package, ring only or seal only.

EXAMPLE ORDER CODE: AN400.50

PRODUCT CODE		RING SIZE		SEAL	
AN400	Full keyring (Ring & Seal)	.35	35 mm (1 3/8")	AN402	20 mm (3/4") Seal Only
AN401	Ring only	.50	50 mm (2")		
		.70	70 mm (2 3/4")		

Specifically designed to prevent harm by ligature and lower ligature risk to health and mental health care service users. The handle helps protect both patients and staff by using Pin Torx security screws and curved corners, as well as an encapsulated lip preventing fabric being hooked behind the handle.



LIGATURE RESISTANT LEVER HANDLE

FEATURES

- Unique 'bridge' and 'snib' design to the handle element of the mechanism to avoid any ligatures being threaded through or hooked on to the handle element and tied around it.
- Secured using tamper proof pin torx security screws which decreases the risk of self-harm by the service user.
- Aluminium and stainless-steel construction

BENEFITS

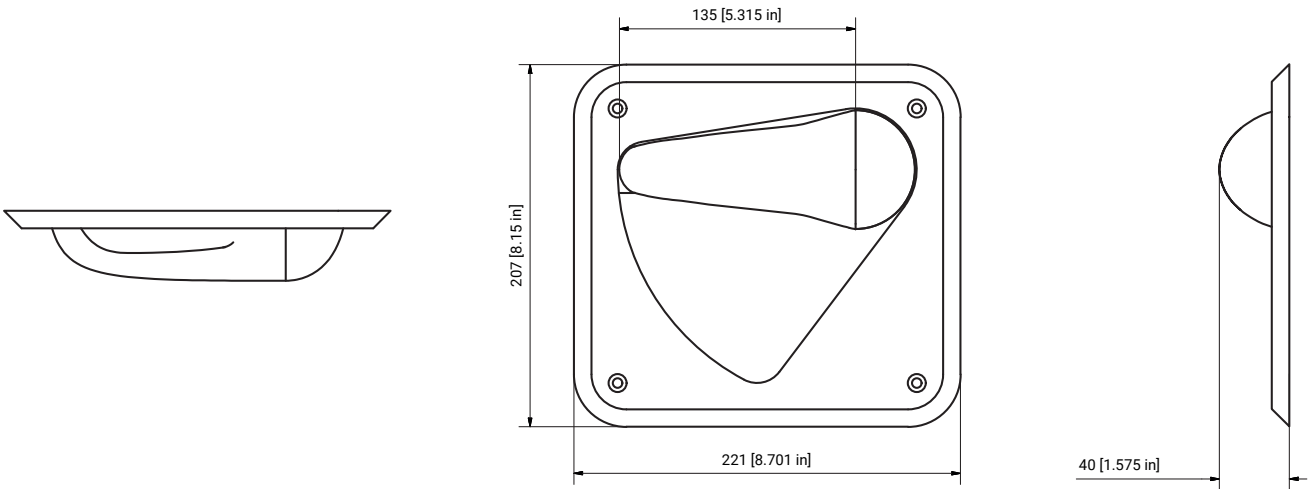
- Compatible with the Surelock McGill Slimline multi-point locking system

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												
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL	
15 MIN									240 SEC						RC5	BR5							EN 1634-1		
10 MIN									180 SEC					15	RC4	BR4					EN 179	UL752 Level 1-10		GR4	500K
5 MIN									120 SEC						RC3	BR3								GR3	
3 MIN									60 SEC					5	RC2	BR2	SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	BS 476-22	GR2	200K	
1 MIN									30 SEC						RC1	BR1							GR1		

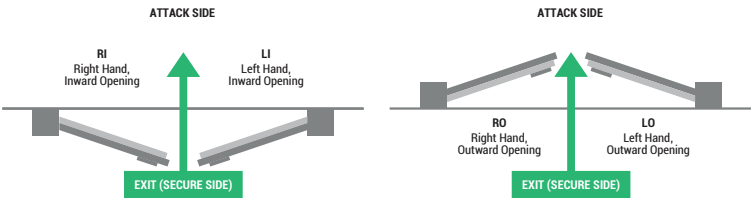
LIGATURE RESISTANT LEVER HANDLE TECHNICAL DRAWINGS



SELF CODING SYSTEM

Ligature resistant products have a simple ordering code that covers the Inside, Outside or Both

EXAMPLE ORDER CODE: AL



PRODUCT CODE

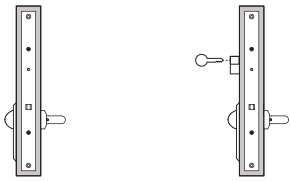
See coding chart above for reference



AL - Anti-Ligature Lever Handle (Inside)

EXAMPLE ENTRY/EXIT DIRECTIONS

See coding chart above for reference



Entry (LMAL)
Exit (LMLS)

Entry (KMAL)
Exit (LMLS)

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

A range of ligature resistant products specifically designed for use in mental, and secure health facilities. These products help to provide an appropriate level of controlled access, with protection for both patient and staff.



AN505 GUARDED PULL HANDLE



AN506 SUNKEN PULL HANDLE

GUARDED PULL HANDLE

- Pull handle on staff side of door provides force advantage when used in conjunction with 'Sunken Pull Handle' on patient side
- Through-bolt mounting
- Anodised aluminium

SUNKEN PULL HANDLE FEATURES

- Sunken pull handle on patient side of door provides force disadvantage when used in conjunction with 'Guarded Pull Handle' on staff side
- Through-bolt mounting
- Anodised aluminium

OPTIONAL ENHANCEMENTS

- Anti-Viral & Anti-Bacterial Handle Coatings - designed to reduce the chance of transmission and maintain safe environments*

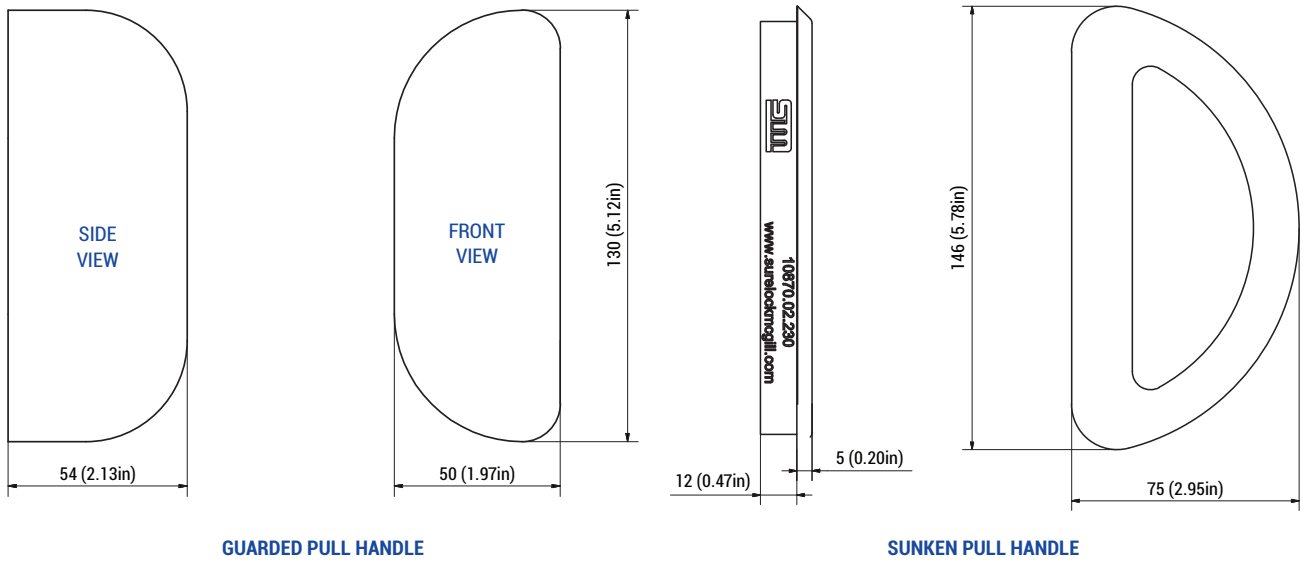
* These are available for all common door touchpoints, such as handles, panic bars, thumbturns etc. Tests show over 99% of bacteria killed over 24 hours, 66% of coronavirus killed in just 2 hours in accordance with ISO 21702:2019.

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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5							EN 1634-1	
10 MIN									180 SEC					15	RC4	BR4			SRA	EN 179	UL752 Level 1-10		GR4	500K
5 MIN									120 SEC						RC3	BR3								GR3
3 MIN									60 SEC					5	RC2	BR2			UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR2	200K
1 MIN									30 SEC						RC1	BR1						BS 476-22		

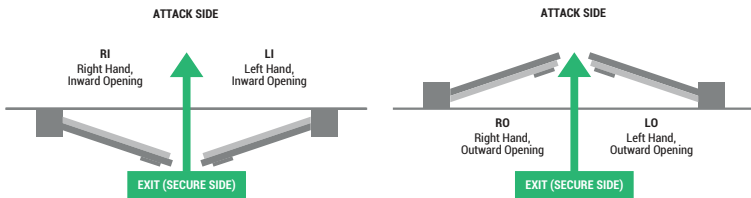
LIGATURE RESISTANT PULL HANDLES TECHNICAL DRAWINGS



SELF CODING SYSTEM

Ligature resistant pull handles have a simple ordering code that covers Guarded or Sunken handle

EXAMPLE ORDER CODE: AN506



PRODUCT CODE		See coding chart above for reference
		
AN505 - Guarded Pull Handle	AN506 - Sunken Pull Handle	

A range of Heavy-Duty Lever Handles developed for use on over-sized, heavy, high-performance doors. The unique and simple design provides for a strong, rugged, abuse resistant range of handles. Tested with many locking systems with high-performance door manufacturers to meet various international standards. Manufactured from stainless steel for hostile environments and durability.



HS



HE

FEATURES

- Suitable for both timber and steel doorsets
- Robust design to withstand heavy use
- Fully Stainless steel construction for corrosion resistance and durability
- Brushed stainless steel finish provides a modern appearance
- Tested to over 1,000,000 cycles

BENEFITS

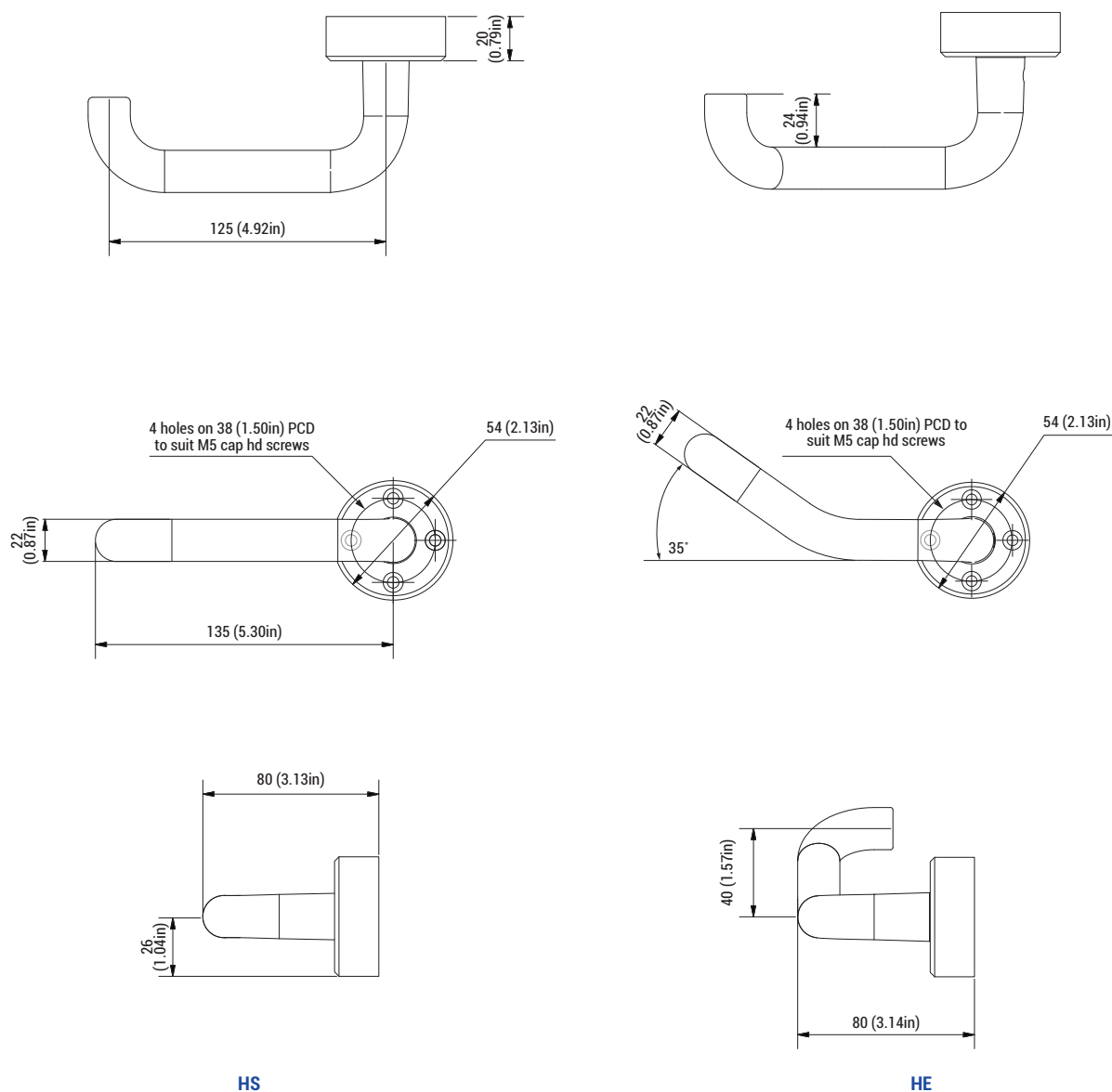
- Withstands high leverage forces without damage
- Provides trouble-free service
- Ergonomic design

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											
20 MIN									300 SEC					60	RC6	BR6	PAS 24	SRB	EN 1125	EN1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 MIN									240 SEC						RC5	BR5			EN 179	UL752 Level 1-10	EN 1634-1	GR4	500K	
10 MIN									180 SEC					15	RC4	BR4		UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR3		
5 MIN									120 SEC						RC3	BR3		BS 476-22	GR2	200K				
3 MIN									60 SEC					5	RC2	BR2					GR1			
1 MIN									30 SEC						RC1	BR1								

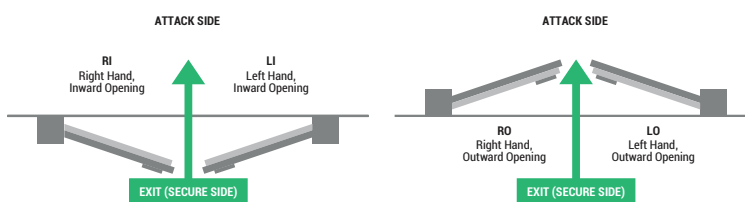
HEAVY DUTY LEVER HANDLE TECHNICAL DRAWING



SELF CODING SYSTEM

Heavy Duty Lever Handles have 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.

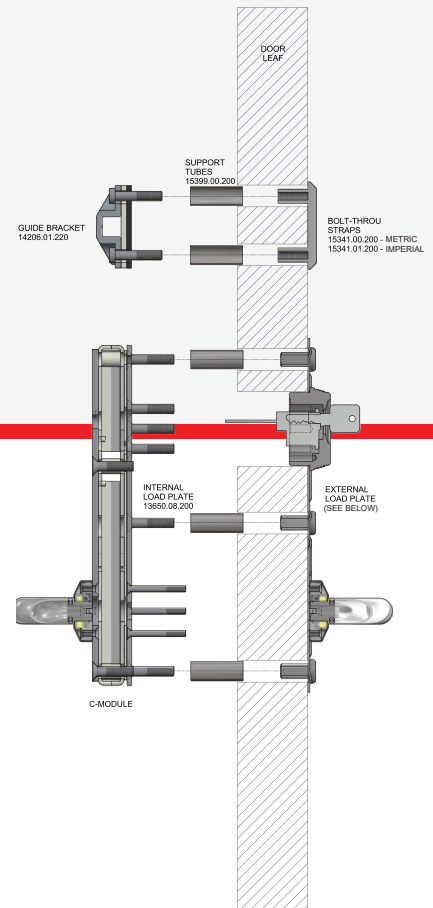
EXAMPLE ORDER CODE: HEPX-W10



PRODUCT CODE	DESCRIPTION	SINGLE / PAIR		HANDING		MOUNTING SCREWS	
HS	Heavy duty straight lever handle	S	Single	X	None	W03	Machine screws (Metric)
HE	Heavy duty ergonomic lever handle	P	Pair	R	Right (HE Single only)	W10	Machine screws (Imperial)
				L	Left (HE Single only)	W02	Wood screws

Through-Bolt Mounting Kits provide a robust solution to enhance the combined strength and security of the door after on-site lock installation. Providing a fast and extremely effective solution for both new and aftermarket up-grades, including steel, timber, composite, and hollow metal doors.

Through-Bolt Mounting Kits enable a new lock to be installed to upgrade security, safety, accessibility, and access control capability. Tested to meet various international standards and manufactured in 316 stainless steel for hostile environments and durability.



FEATURES

- Fast and effective security, safety and operational upgrade
- Combined strength of door and lock as one
- 316 grade stainless steel constructions

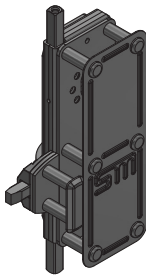
BENEFITS

- Simple design allows for fast installation
- Stainless steel cast straps and plates ensure secure installation
- Tested to meet various international standards
- Through-Bolt Mounting Kits to cover most locks and operational features
- Ideal aftermarket and up-grade requirements for security, safety, accessibility and access control capability
- Covers most previous lock mounting holes

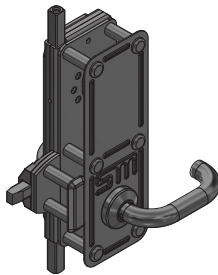
EXAMPLE KITS FOR SLIMLINE AND STIRLING SYSTEMS

SLIMLINE

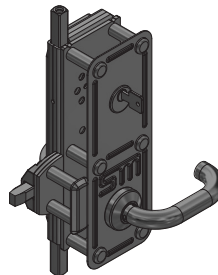
NO ENTRY PROVISION



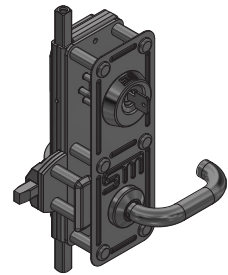
LEVER HANDLE ONLY ENTRY



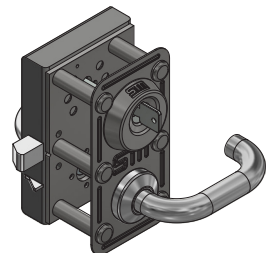
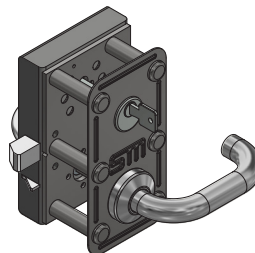
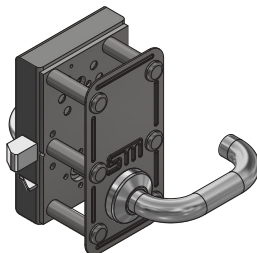
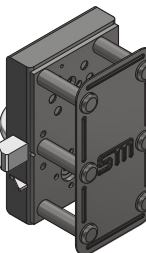
LEVER HANDLE AND RIM / EURO CYLINDER ENTRY



LEVER HANDLE AND CYLINDER GUARD ENTRY



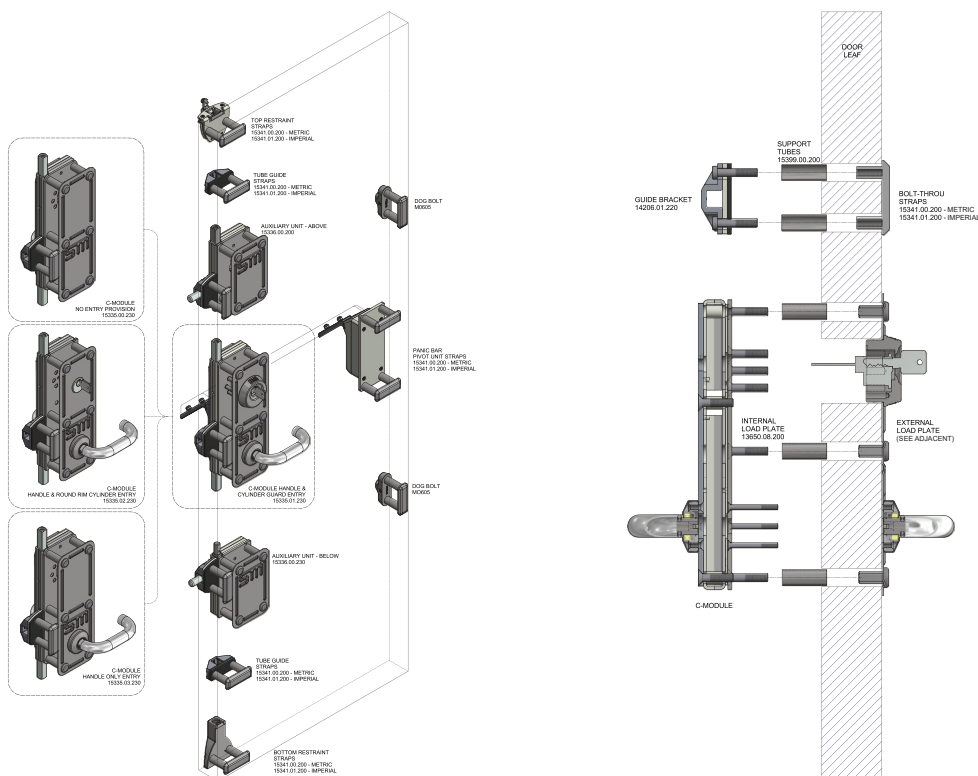
STIRLING



T Units - feature an additional horizontal bolt - separate to the main centre module - that does not have facility for a top or bottom vertical bolt

U Units - feature an additional horizontal bolt - separate to the main centre module - that also allows for a top or bottom vertical bolt

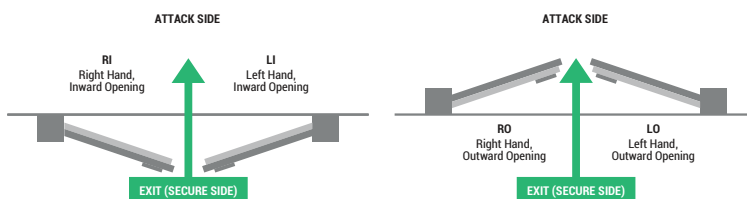
THROUGH-BOLT MOUNTING KIT TECHNICAL DRAWING



SELF CODING SYSTEM

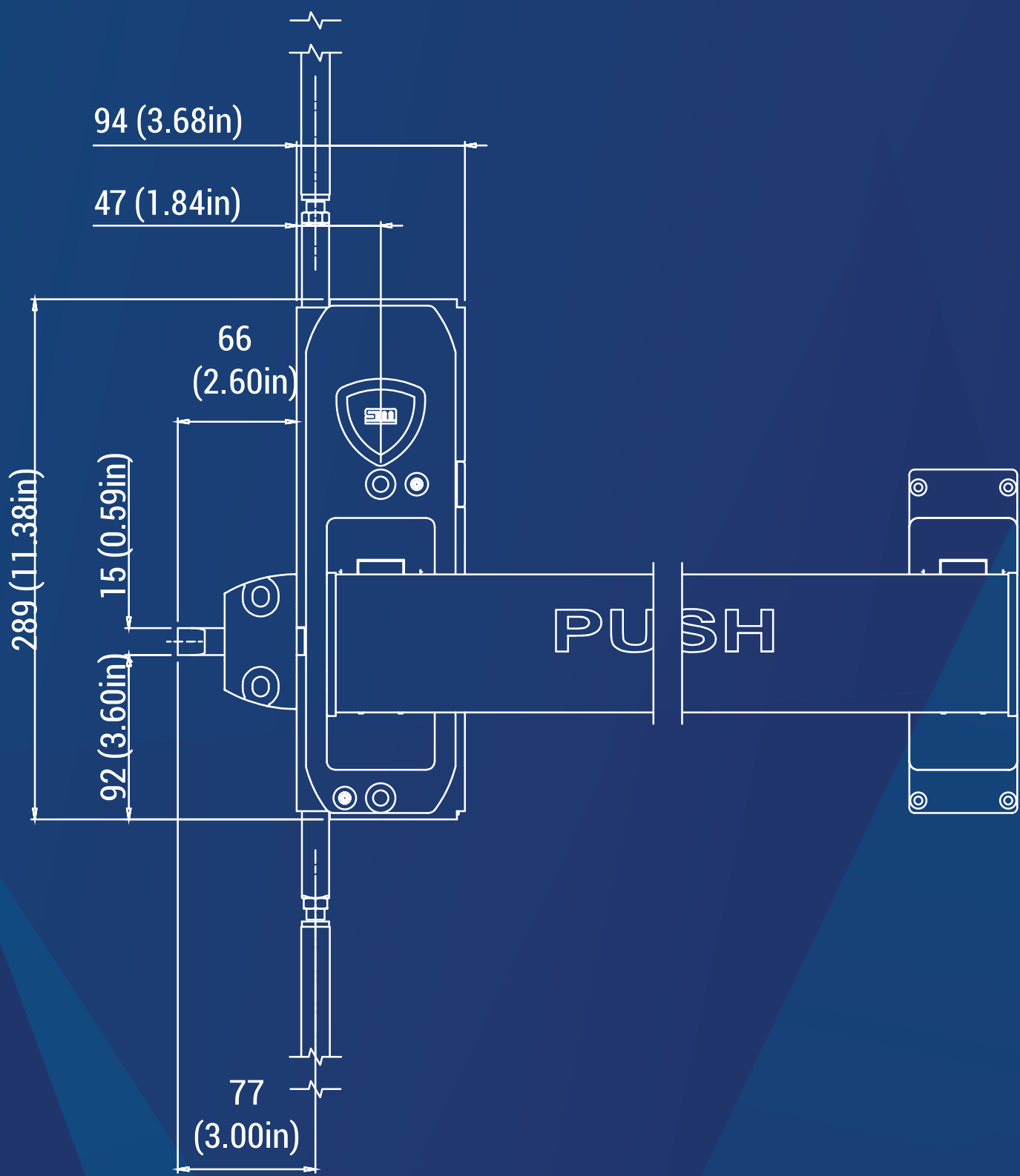
Through-Bolt Mounting Kits have a structured ordering coding for each individual product, please refer to the above drawings and the chart below to reference your ordering code to your chosen system.

EXAMPLE ORDER CODE: TBM-44-SL331-0-0-0



THROUGH-BOLT		DOOR THICKNESS		SYSTEM		NO. BOLTS		ENTRY		EXIT		HANDLING		AUXILIARY PLATE 'T'	AUXILIARY PLATE 'U'
TBM	Through bolt kit with metric M8 Hardware Fixings	44	Fixings for 44mm (1.7") door	ST	Stirling	1	1-point securing *stirling only*	0	No entry provision	0	LS/PP with Deadlock	0	Non handed	0	0
TBI	Through Bolt Kit with 5/16" UNC Hardware Fixings	57	Fixings for up to 57mm (2.2") door	SL	Slimline	2	2-point securing	1	Rim cylinder & lever	1	PB/PE with Deadlock	4	Right hand *stirling only*	1	1
		00	Fixings for up to 100 mm (3.9") door			3	3-point securing	2	Euro cylinder & lever	2	Motorised Operation	5	Left hand *stirling only*	2	2
								3	Guarded cylinder & lever	3	LS/PP No Deadlock	Specify number of 't' auxiliary bolting units. See description on left page for more details.			
								4	Access control & lever	4	PB/PE No Deadlock				
								5	Combination lock & lever						
								6	Rim cylinder driven						

TECHNICAL INFORMATION



As a leader in the field of physical security and as a manufacturer that prides itself on quality, our Surelock and MICO brands adhere to a wide host of International testing standards. Testing is performed via third-party test houses and in many cases requires a complete doorset or gate to ensure combined accreditation, these are marked with an asterisk (*). Independent auditing of continual design and manufacture ensures a continual genuine stamp of product performance.

Continual testing and approval of our products provides the confidence of their ability to perform and meet these standards, enabling individual door and gate manufacturers to select suitable products and submit their designs for testing and accreditation.



Assessed to ISO 9001:2015
LPCB Cert. No. 516-1

PHYSICAL SECURITY

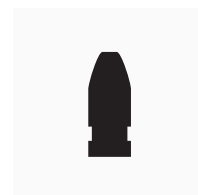
- LPS 1175 SR2 to SR6 for issue 7 & up to E10 & G5 for issue 8- LPCB/BRE physical security standard*
- LPS 1673
- US DoS SD-STD-01-01G (FEBR) up to 60 minutes - US combined ballistic and forced entry test standard*
- ASTM F3038 - Standard Test Method for Timed Evaluation of Forced-Entry-Resistant Systems
- NPSA - UK Government security tests*
- EN 1627 - European security test standard*
- PAS 24 - UK domestic security test standard*
- Exova STS202 - security test standard*



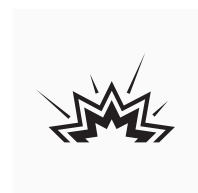
PHYSICAL SECURITY

BALLISTIC

- EN 1522 / EN 1523 FB4 to FB7 + FSG - European ballistic test standard*
- UL 752 – Standard for Bullet-Resisting Equipment
- NIJ Standard 0108.01 – Ballistic Resistant Protective Materials
- US DoS SD-STD-01-01G (FEBR) up to 60 minutes – US combined ballistic and forced entry test standard*



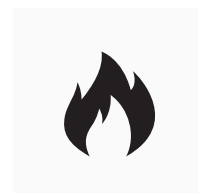
BALLISTIC



BLAST

BLAST

- ISO 16933 – Test Method (100 kg TNT at 15m on standard systems) – Arena blast test*
- EN 13123-2/EN 13124-2 – Arena blast test*
- CPNI Protected Spaces C15 & C25 – UK Government arena blast test*
- ASTM F2927 – Standard Test Method for Door Systems Subject to Airblast Loadings
- Static load tests*



FIRE

FIRE

- EN 1634-1 – European Fire Protection, up to 4 hours*
- BS 476-22 – UK Fire Protection, up to 4 hours*
- DNV-OS-D301 – Marine Fire Protection, A60, H60, H120*
- IMO MSC.307 FTP – International Maritime Organisation Fire Test Procedure, A15, A30, A60*
- ISO 22899-1 – Jet fire resistance test, J60, J120*
- UL10C – US Fire Protection
- NS 3919 – Norwegian Fire Protection
- Certifire approved – Certification scheme for fire door hardware

PANIC & EMERGENCY ESCAPE:

- EN 1125 – European test for panic escape hardware (panic bars)
- UL305 – US Standard for Panic Hardware
- EN 179 – European test for emergency escape hardware (lever handle and push pads)
- CE and UKCA marked – European requirement
- Certifire approved – Certification scheme for panic & emergency escape hardware

WINDSTORM

- FEMA 361 – Safe Rooms for Tornadoes and Hurricanes

CORROSION

- EN 1670:2007 – Corrosion resistance for building hardware, grade 5

SEISMIC

- 0.5 g to 6.0 g, 5 Hz to 100 Hz



PANIC &
EMERGENCY ESCAPE



WINDSTORM



CORROSION



SEISMIC

As modern requirements surrounding security and accessibility change – there has developed a worldwide need for locking systems that can allow for automated door access.

This requires locks and other hardware to interact with door sensors, timers, remote control from a security room, personnel 'swipe-in swipe-out', or disabled access buttons. For external entrances the challenge does not just focus on designing doors around access but also protecting against physical attack, ballistics, blast and other threats.

The Surelock McGill Group manufactures a full range of products to enable businesses and governments around the world to design their secure environments with suitable automated locking systems, automatic door operators, and other appropriate architectural ironmongery and door furniture.

FEATURES

- High performance single- or multi-point locking system, to meet building risk and operational needs
- Automatic door operator (ADO), to suit door weight and operational performance
- Sensors and protection guards, for personnel safety
- Directly wired to access control system, to ensure desired operation
- Power supply and back-up
- Choice of 'fail-secure' (as standard), or 'fail-safe' available
- Out-of-hours lock-down, optional
- BSEN 1125 & BSEN 179 life-safety compliance, optional
- Multiple risk protection against forced entry, blast, ballistic and fire protection
- Durable in design, construction, testing and operation

BENEFITS

- Ease of hands-free operation on high-performance, heavy doors
- Safe for all users
- Retrofittable upgrade for equality
- Can be used on life-safety panic & emergency exit single & double doors, fire doors and more
- High-performance and longevity assured



MOTORIZED SLIMLINE
PAGE 30

AUTOMATIC DOOR OPERATORS (ADO)

FEATURES

- Doors up to 300 kg (660 lbs) and width of 1,400 mm (55")
- Working temperature range of 5°F (-15°C) to 120°F (50°C)
- Digital programmer sets field operating parameters and displays system diagnostics
- Opening time to 95° is 4-12 seconds, closing time from 95° is 5-15 seconds (field programmable)
- Enclosure environmental rating: IP31

BENEFITS

- High degree of site-specific programming options
- Works seamlessly with all Surelock McGill motorised bolt retraction devices
- Capable for use on escape routes
- Provides hands free access solutions when used with motorised locking
- Battery back-up available, in case of power failure



AUTOMATIC DOOR OPERATORS
PAGE 82

STIRLING MOTORISED

FEATURES

- Surface mounted for maximum strength
- Stainless steel '316' construction
- Proven rack & pinion driven
- 1 No x 19 mm (0.75 in) square bolt x 25 mm (0.98 in) throw
- Tested to over 1,000,000 cycles
- Monitoring of bolt & lock status
- Control box & power supply

BENEFITS

- Automatically secured in door closed position
- Tested on specific doorsets up to LPS 1175:SR4
- Life safety device BSEN 1125 & 179 compliant
- Engineered for longevity and trouble-free service



STIRLING MOTORISED
PAGE 12

SLIMLINE MOTORISED

FEATURES

- Surface mounted fitted solutions
- Stainless steel '316' construction
- Proven rack & pinion mechanism
- 3 No x 15 mm (0.59 in) x 25 mm (0.98 in) throw stainless steel bolts
- Tested to over 1,000,000 cycles
- Monitoring of bolt & lock status
- Control box & power supply

BENEFITS

- Automatically secured in door closed position
- Tested on specific doorsets up to LPS 1175:SR6
- Life safety device BSEN 1125 & 179 compliant
- Engineered for longevity and trouble-free service

SELF-CODING PRODUCT GUIDE (POPULAR EXAMPLES)

This is a guide to the simple ordering code that covers the chosen methods of entry, securing, and exit, followed by additional enhancements to further customise the device. Please refer to your chosen product pages for individual availability.

EXAMPLE ORDERING CODE: ST1A-KMLS-AA-LMPB-RO

STEP 1. SELECT PRODUCT

RANGE



AB – ABRYLL



TY – TYNE



ST – STIRLING



MA – MODULA



MS –
MSR SINGLE-POINT



LO – LODDON



RM – RIMLOCK



RB – RIBBLE

NUMBER OF BOLTS & BOLT DIRECTION



1A

STEP 2. ENTRY

UNLOCKING



X – NONE



K – KEY



H – LOCKABLE
LEVER HANDLE



A – ACCESS
CONTROL



C – COMBINATION
LOCK



L – PANIC /
EMERGENCY /
SINGLE OPERATION

BOLT RETRACTION



X – NONE



M – MANUAL



P – POWERED
(ELECTRIC)

OPERATOR



XX – NONE



LS – LEVER HANDLE
(STRAIGHT)



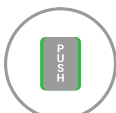
LE – LEVER HANDLE
(ERGONOMIC)



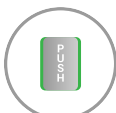
PB – PANIC BAR
(BLADE ALUMINIUM)



PE – PANIC BAR
(STAINLESS STEEL)



PP – PUSH PAD
(ALUMINIUM)



PS – PUSH PAD
(STAINLESS STEEL)

STEP 3. SECURING

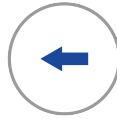
UPON DOOR CLOSURE



**AA – AUTO
BOLTING / AUTO
DEADLOCKING**



**AM – AUTO
BOLTING / MANUAL
DEADLOCKING**



**AB – AUTO
BOLTING ONLY**



**MA – MANUAL
BOLTING / AUTO
DEADLOCKING**



**MM – MANUAL
BOLTING / MANUAL
DEADLOCKING**



**MB – MANUAL
BOLTING ONLY**

STEP 4. EXIT

UNLOCKING



X – NONE



K – KEY



**A – ACCESS
CONTROL**



**L – PANIC /
EMERGENCY /
SINGLE OPERATION**



T – THUMBTURN

BOLT RETRACTION



X – NONE



M – MANUAL



**P – POWERED
(ELECTRIC)**

OPERATOR



XX – NONE



**LS – LEVER HANDLE
(STRAIGHT)**



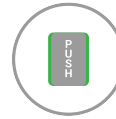
**LE – LEVER HANDLE
(ERGONOMIC)**



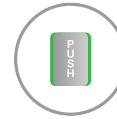
**PB – PANIC BAR
(BLADE ALUMINIUM)**



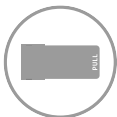
**PE – PANIC BAR
(STAINLESS STEEL)**



**PP – PUSH PAD
(ALUMINIUM)**



**PS – PUSH PAD
(STAINLESS STEEL)**



PL – PULL LEVER



KK – KEY

STEP 5. FITTING & ORIENTATION

HANDING & OPENING METHOD



XX – UNHANDED



**RI – RIGHT
HAND, OPEN IN**



**RO – RIGHT HAND
(REVERSED),
OPEN OUT**



**LI – LEFT HAND,
OPEN IN**



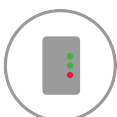
**LO – LEFT HAND
(REVERSED),
OPEN OUT**



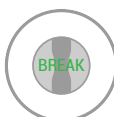
UN – UNKNOWN

STEP 6. OPTIONAL ENHANCEMENTS

POTENTIAL OPTIONAL ENHANCEMENTS



M01 – MONITORING



**K04 – BREAKDOME
OVER THUMBTURN**



**M03 – REQUEST
TO EXIT FACILITY**

SELF-CODING PRODUCT GUIDE (POPULAR EXAMPLES)

This is a guide to the simple ordering code that covers the chosen methods of entry, securing, and exit, followed by additional enhancements to further customise the device. Please refer to your chosen product pages for individual availability.

EXAMPLE ORDERING CODE: SL3A-AMLS-AA-LMLE-RO-M03

STEP 1. SELECT PRODUCT

RANGE



SL / SM - SLIMLINE

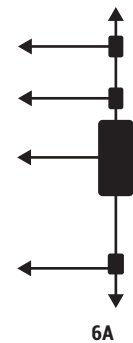
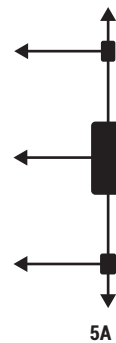
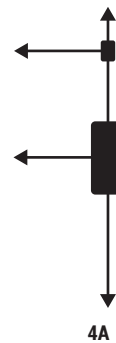
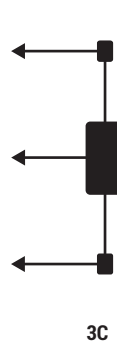
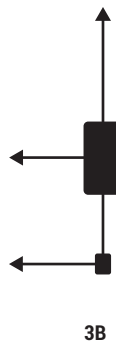
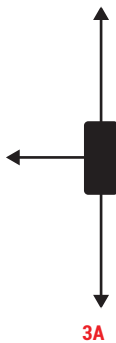


MS - MSR
MULTI-POINT



ZE - ZEUS

NUMBER OF BOLTS & BOLT DIRECTION



STEP 2. ENTRY

UNLOCKING



X - NONE



K - KEY



H - LOCKABLE
LEVER HANDLE



A - ACCESS
CONTROL



C - COMBINATION
LOCK



L - PANIC /
EMERGENCY /
SINGLE OPERATION

BOLT RETRACTION



X - NONE



M - MANUAL



P - POWERED
(ELECTRIC)

OPERATOR



XX - NONE



LS - LEVER HANDLE
(STRAIGHT)



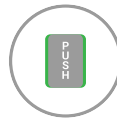
LE - LEVER HANDLE
(ERGONOMIC)



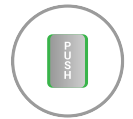
PB - PANIC BAR
(BLADE ALUMINIUM)



PE - PANIC BAR
(STAINLESS STEEL)



PP - PUSH PAD
(ALUMINIUM)



PS - PUSH PAD
(STAINLESS STEEL)

STEP 3. SECURING

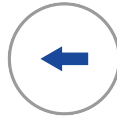
UPON DOOR CLOSURE



**AA – AUTO
BOLTING / AUTO
DEADLOCKING**



**AM – AUTO
BOLTING / MANUAL
DEADLOCKING**



**AB – AUTO BOLTING
ONLY**



**MA – MANUAL
BOLTING / AUTO
DEADLOCKING**



**MM – MANUAL
BOLTING / MANUAL
DEADLOCKING**



**MB – MANUAL
BOLTING ONLY**

STEP 4. EXIT

UNLOCKING



X – NONE



K – KEY



**A – ACCESS
CONTROL**



**L – PANIC /
EMERGENCY /
SINGLE OPERATION**



T – THUMBTURN

BOLT RETRACTION



X – NONE



M – MANUAL



**P – POWERED
(ELECTRIC)**

OPERATOR



XX – NONE



**LS – LEVER HANDLE
(STRAIGHT)**



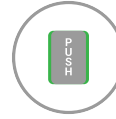
**LE – LEVER HANDLE
(ERGONOMIC)**



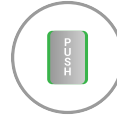
**PB – PANIC BAR
(BLADE ALUMINIUM)**



**PE – PANIC BAR
(STAINLESS STEEL)**



**PP – PUSH PAD
(ALUMINIUM)**



**PS – PUSH PAD
(STAINLESS STEEL)**



PL – PULL LEVER



KK – KEY

STEP 5. FITTING & ORIENTATION

HANDING & OPENING METHOD



XX – UNHANDED



**RI – RIGHT
HAND, OPEN IN**



**RO – RIGHT HAND
(REVERSED),
OPEN OUT**



**LI – LEFT HAND,
OPEN IN**



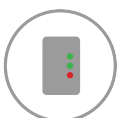
**LO – LEFT HAND
(REVERSED),
OPEN OUT**



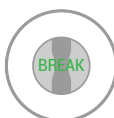
UN – UNKNOWN

STEP 6. OPTIONAL ENHANCEMENTS

POPULAR OPTIONAL ENHANCEMENTS



M01 – MONITORING



**K04 – BREAKDOME
OVER THUMBTURN**



**M03 – REQUEST
TO EXIT FACILITY**

SELF-CODING PRODUCT GUIDE (POPULAR EXAMPLES)

This is a guide to the simple ordering code that covers the chosen methods of entry, securing, and exit, followed by additional enhancements to further customise the device. Please refer to your chosen product pages for individual availability.

EXAMPLE ORDERING CODE: M03C-KMLS-AA-LMLE-RO

STEP 1. SELECT PRODUCT

RANGE



MO - MOORGATE



PS - PALISADE



GT - PURBROOK GT



SGL - SG

NUMBER OF BOLTS & BOLT DIRECTION



1A



3C



4C



4D



5A



5C



6A

STEP 2. ENTRY

UNLOCKING



X - NONE



K - KEY



**H - LOCKABLE
LEVER HANDLE**



**A - ACCESS
CONTROL**

BOLT RETRACTION



X - NONE



M - MANUAL



**P - POWERED
(ELECTRIC)**

OPERATOR



XX - NONE



**LS - LEVER HANDLE
(STRAIGHT)**



**LE - LEVER HANDLE
(ERGONOMIC)**



**US - PROFILE
HANDLE (STRAIGHT)**



**UC - PROFILE
HANDLE (STRAIGHT
CLUTCHED)**

STEP 3. SECURING

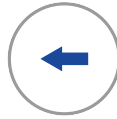
UPON DOOR CLOSURE



**AA – AUTO
BOLTING / AUTO
DEADLOCKING**



**AM – AUTO
BOLTING / MANUAL
DEADLOCKING**



**AB – AUTO
BOLTING ONLY**



**MA – MANUAL
BOLTING / AUTO
DEADLOCKING**



**MM – MANUAL
BOLTING / MANUAL
DEADLOCKING**

STEP 4. EXIT

UNLOCKING



X – NONE



K – KEY



**A – ACCESS
CONTROL**



**L – PANIC /
EMERGENCY /
SINGLE OPERATION**



T – THUMBTURN

BOLT RETRACTION



X – NONE



M – MANUAL



**P – POWERED
(ELECTRIC)**

OPERATOR



XX – NONE



**LS – LEVER HANDLE
(STRAIGHT)**



**LE – LEVER HANDLE
(ERGONOMIC)**



**US – PROFILE
HANDLE (STRAIGHT)**



**UC – PROFILE
HANDLE (STRAIGHT
CLUTCHED)**



**SK – ANTI-CLIMB
SLIDING KNOB**

STEP 5. FITTING & ORIENTATION

HANDING & OPENING METHOD



XX – UNHANDED



**RI – RIGHT
HAND, OPEN IN**



**RO – RIGHT HAND
(REVERSED),
OPEN OUT**



**LI – LEFT HAND,
OPEN IN**



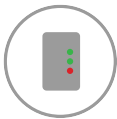
**LO – LEFT HAND
(REVERSED),
OPEN OUT**



UN – UNKNOWN

STEP 6. OPTIONAL ENHANCEMENTS

POPULAR OPTIONAL ENHANCEMENTS



M01 – MONITORING



**K04 – BREAKDOME
OVER THUMBTURN**

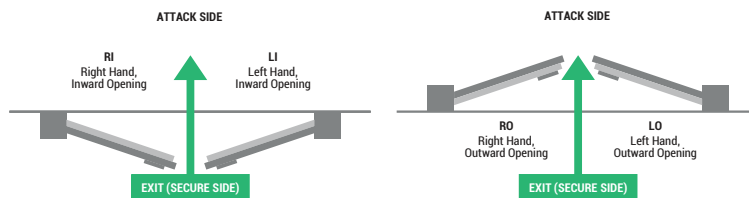


**M03 – REQUEST
TO EXIT FACILITY**

SELF CODING SYSTEM

Surelock and MICO keeps have a simple ordering code, covering the opening method and door material type.

EXAMPLE ORDER CODE: KAB-OS-00

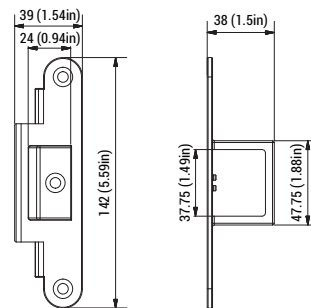
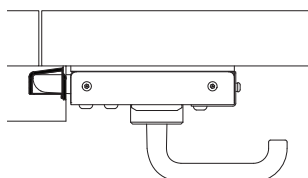


MODEL		OPENING DIRECTION		FRAME MATERIALS		VARIANTS	PACKING (OPTION B)	
KAB	Abryll	O	Outward	S	Steel	00-99	08	Load plate & packing; door to bolt 8mm (0.32in)
KTY	Tyne	I	Inward	T	Timber		12	Load plate & packing; door to bolt 12mm (0.47in)
KST	Stirling	B	Bi-directional	B	Both		15	Load plate & packing; door to bolt 15mm (0.59in)
KMA	Modula	S	Sliding	X	N/A		20	Load plate & packing; door to bolt 20mm (0.79in)
KRM	Rimlock	F	Floor				25	Load plate & packing; door to bolt 25mm (0.98in)
KSL	Slimline							
KMS	MSR							
KZE	Zeus							
KMG	Moorgate							
KPG	Palisade							
KGT	Purbrook-GT							
KSG	SGL							

ABRYLL KEEPS

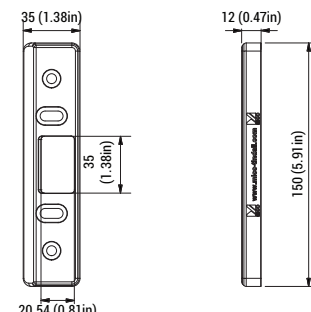
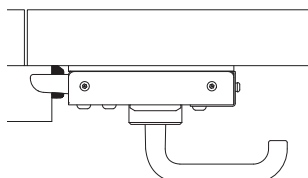
EXAMPLE CODE: KAB-OS-00

Stainless steel keep to suit outward opening doors in a steel frame.



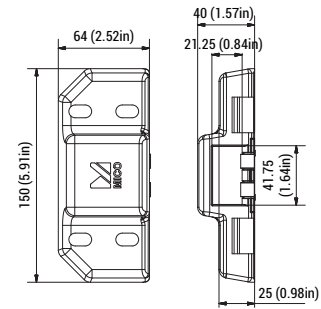
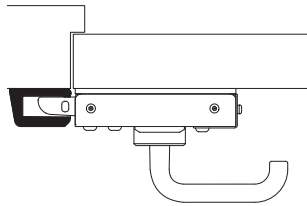
EXAMPLE CODE: KAB-OT-00

Stainless steel keep to suit outward opening doors in a timber frame.



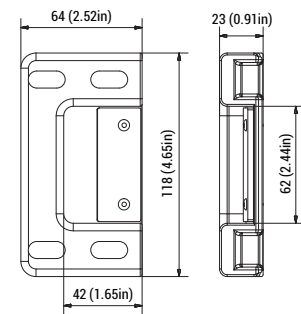
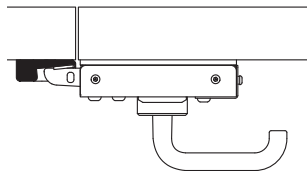
EXAMPLE CODE: KAB-IB-00

Stainless steel keep to suit inward opening doors in a steel or timber frame.



EXAMPLE CODE: KAB-OB-01

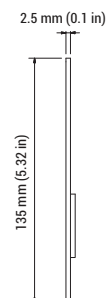
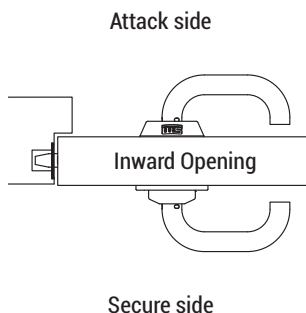
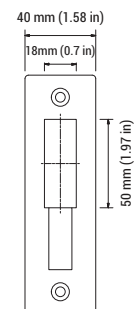
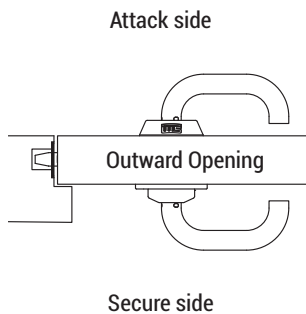
Stainless steel keep to suit outward (dual-opening) steel or timber double doors.



TYNE KEEPS

EXAMPLE CODE: KTY-BB-00

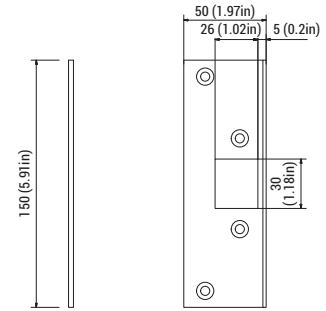
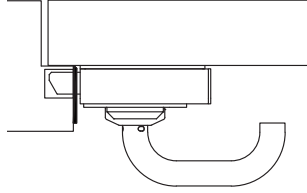
Stainless steel keep to suit inward and outward opening doors in a steel or timber frame.



STIRLING KEEPS

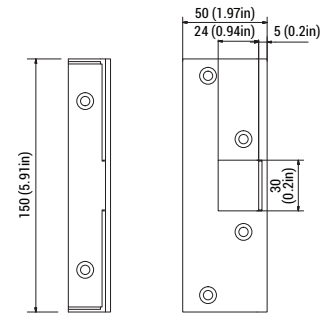
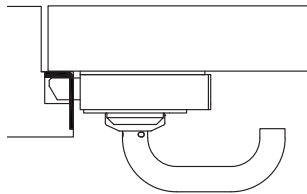
EXAMPLE CODE: KST-OS-00

Stainless steel keep to suit outward opening doors in a steel frame.



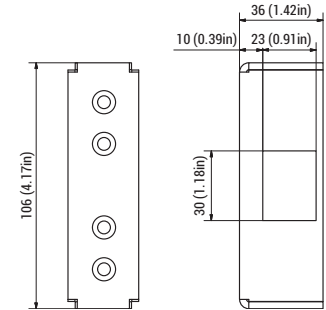
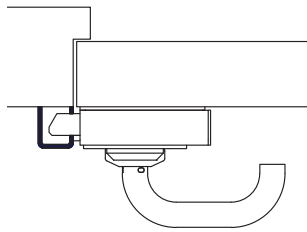
EXAMPLE CODE: KST-OT-00

Stainless steel keep to suit outward opening doors in a timber frame.



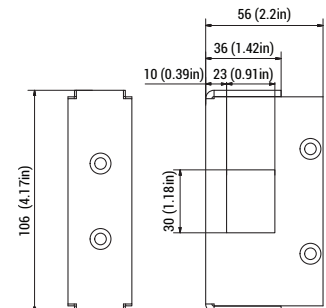
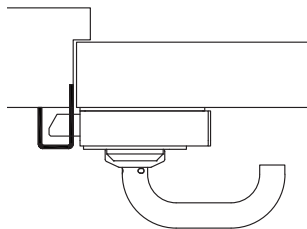
EXAMPLE CODE: KST-IS-00

Stainless steel keep to suit inward opening doors in a steel frame.



EXAMPLE CODE: KST-IT-00

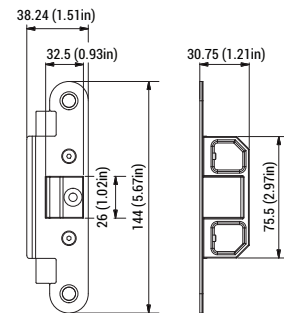
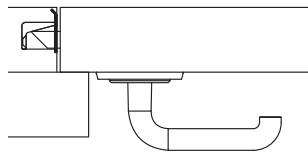
Stainless steel keep to suit inward opening doors in a timber frame.



MODULA KEEPS

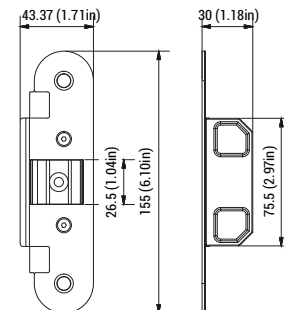
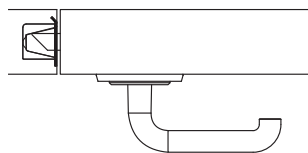
EXAMPLE CODE: KMA-BB-00

Stainless steel keep to suit inward & outward opening in a steel or timber door.



EXAMPLE CODE: KMA-OB-00

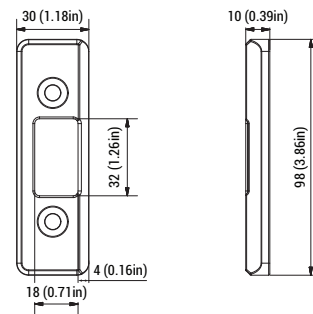
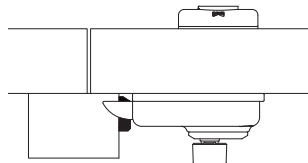
Stainless steel keep to suit outward opening in steel or timber double doors.



RIMLOCK KEEPS

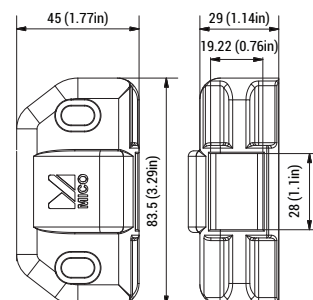
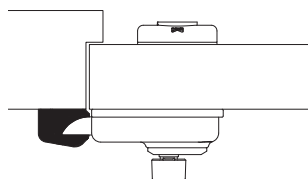
EXAMPLE CODE: KRM-OB-00

Stainless steel keep to suit outward opening doors in a steel or timber frame.



EXAMPLE CODE: KRM-IB-00

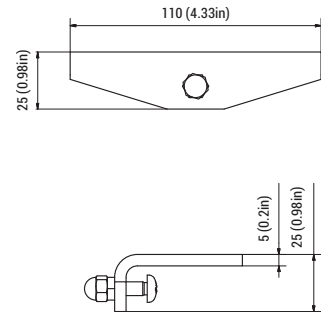
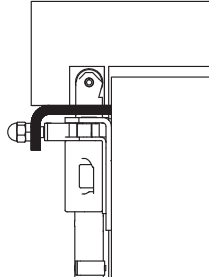
Stainless steel keep to suit inward opening doors in a steel or timber frame.



SLIMLINE TOP KEEPS

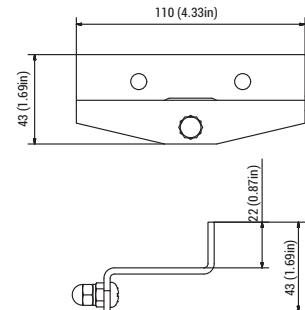
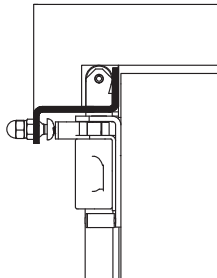
EXAMPLE CODE: KSL-OS-00

Stainless steel keep & restraint strike to suit outward opening doors in a steel or timber frame.



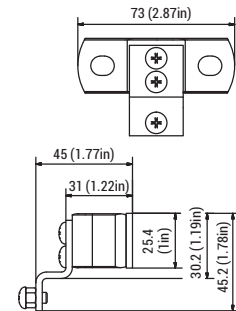
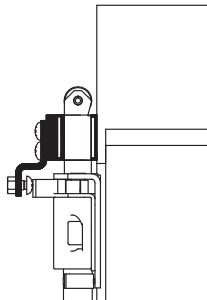
EXAMPLE CODE: KSL-OT-01

Stainless steel keep & restraint strike to suit outward opening doors in a timber frame.



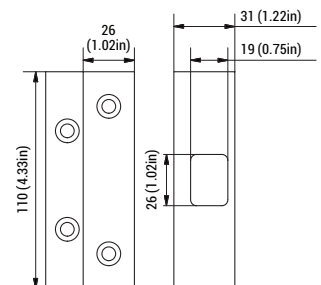
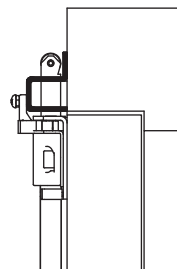
EXAMPLE CODE: KSL-OS-02

Stainless steel keep & restraint strike to suit outward opening doors in a narrow section steel frame.



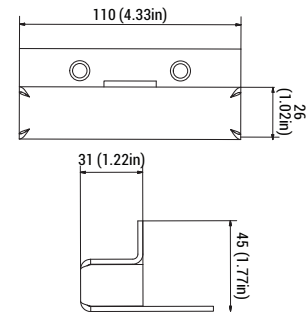
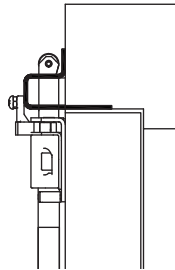
EXAMPLE CODE: KSL-IS-00

Stainless steel keep to suit inward opening doors in a steel frame.



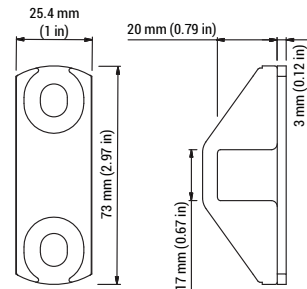
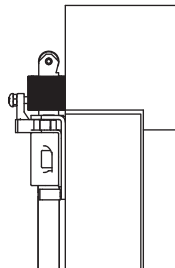
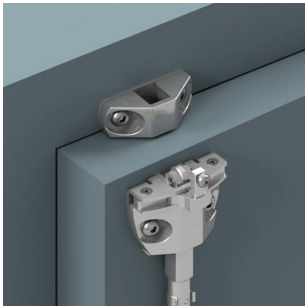
EXAMPLE CODE: KSL-IT-00

Stainless steel keep to suit inward opening doors in a timber frame.



EXAMPLE CODE: KSL-BS-00

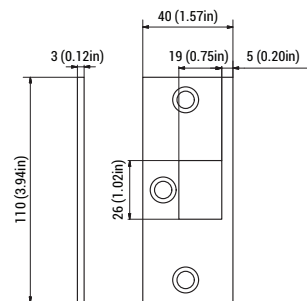
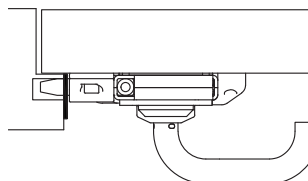
Stainless steel keep to suit inward opening doors in a narrow section steel frame.



SLIMLINE CENTER KEEPS

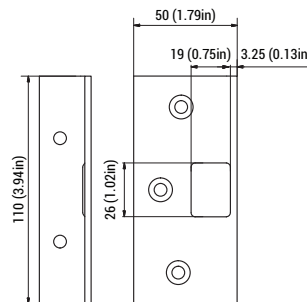
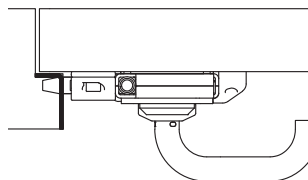
EXAMPLE CODE: KSL-OS-01

Stainless steel keep to suit outward opening doors in a steel frame.



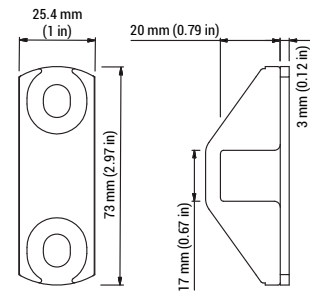
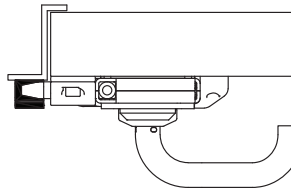
EXAMPLE CODE: KSL-OT-00

Stainless steel keep to suit outward opening doors in a timber frame.



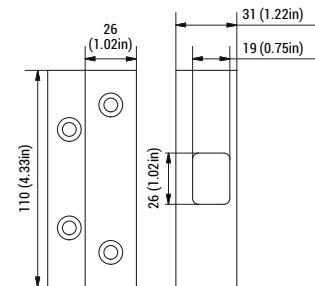
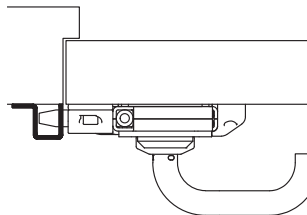
EXAMPLE CODE: KSL-BS-00

Stainless steel keep to suit inward opening doors in a steel frame.



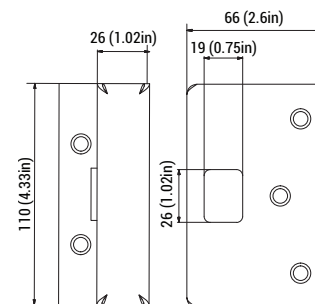
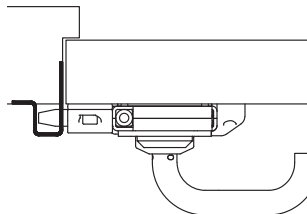
EXAMPLE CODE: KSL-IS-00

Stainless steel keep to suit inward opening doors in a steel frame.



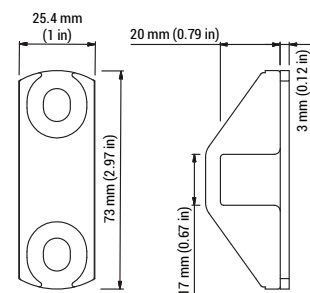
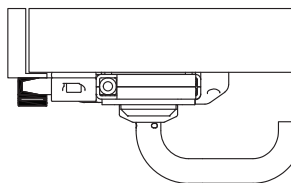
EXAMPLE CODE: KSL-IT-00

Stainless steel keep to suit inward opening doors in a timber frame.



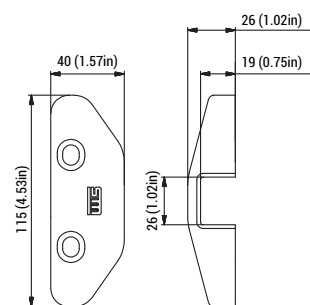
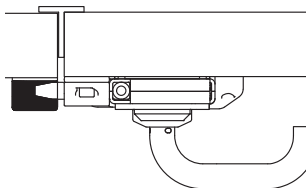
EXAMPLE CODE: KSL-BS-00

Stainless steel keep to suit outward opening doors in a steel frame.



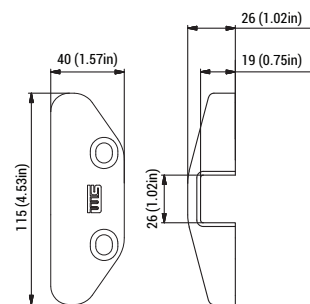
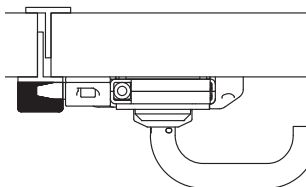
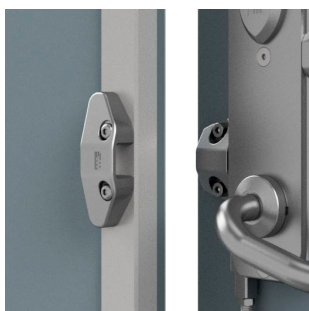
EXAMPLE CODE: KSL-BB-01

Stainless steel keep to suit inward & outward opening double doors.



EXAMPLE CODE: KSL-BB-02

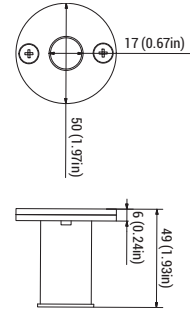
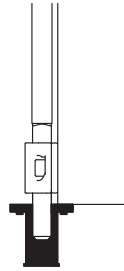
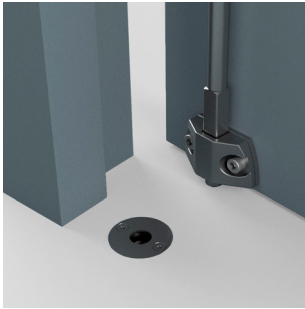
Stainless steel keep to suit inward & outward opening double doors with internal 'T' Astragal.



SLIMLINE FLOOR KEEPS

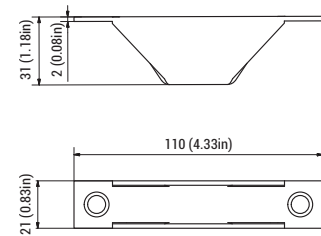
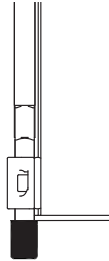
EXAMPLE CODE: KSL-FX-00

Stainless steel 'Dust-free' floor keep.



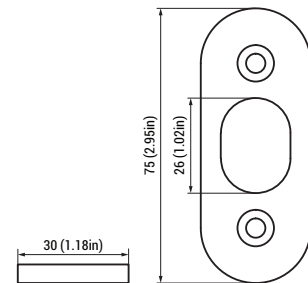
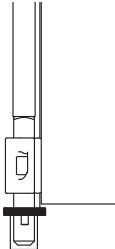
EXAMPLE CODE: KSL-FX-01

Stainless steel 'Easy-clean' floor keep.



EXAMPLE CODE: KSL-FX-02

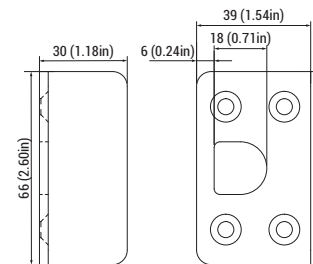
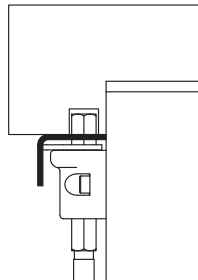
Stainless steel 'Plate' floor keep.



MSR TOP KEEPS

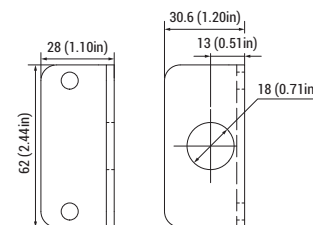
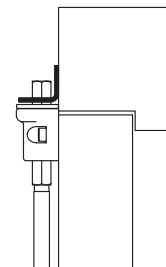
EXAMPLE CODE: KMS-OB-01

Stainless steel keep & restraint strike to suit outward opening doors in a steel or timber frame.



EXAMPLE CODE: KMS-IB-01

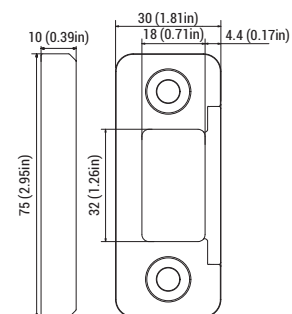
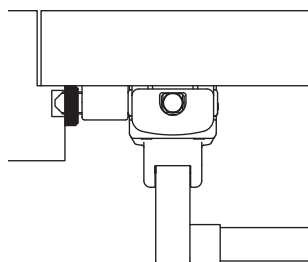
Stainless steel keep & restraint strike to suit inward opening doors in a steel or timber frame.



MSR CENTER KEEP

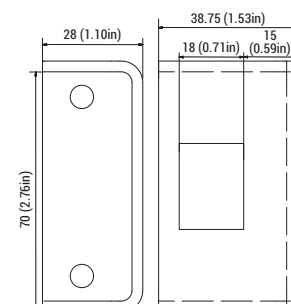
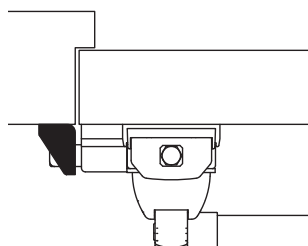
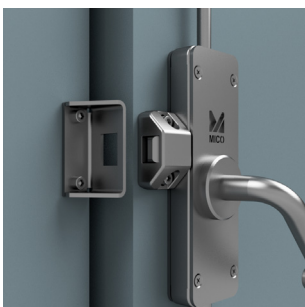
EXAMPLE CODE: KMS-OB-00

Stainless steel keep to suit outward opening doors in a steel or timber frame.



EXAMPLE CODE: KMS-IB-00

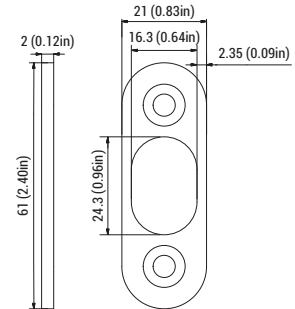
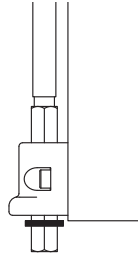
Stainless steel keep to suit inward opening doors in a steel or timber frame.



MSR BOTTOM KEEPS

EXAMPLE CODE: KMS-FX-04

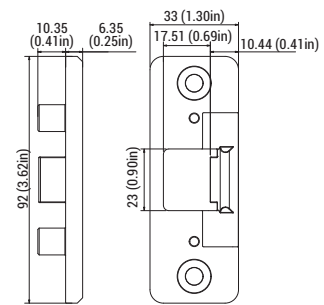
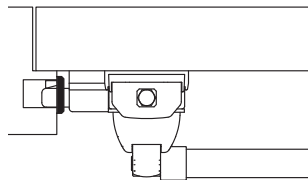
Stainless steel floor keep.



ZEUS HORIZONTAL KEEPS

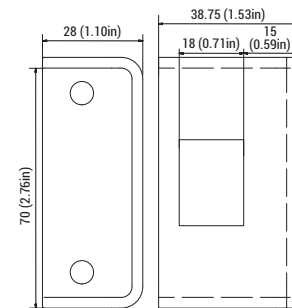
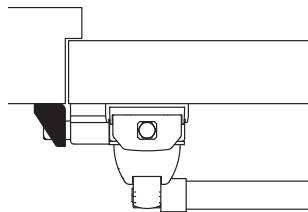
EXAMPLE CODE: KZE-OB-00

Stainless steel keep & restraint strike to suit center bolt on outward opening doors in a steel or timber frame.



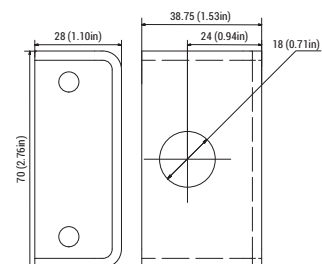
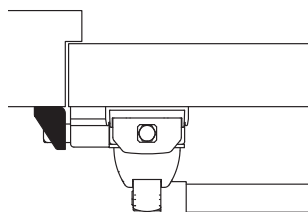
EXAMPLE CODE: KZE-IB-00

Stainless steel keep & restraint strike to suit center bolt on inward opening doors in a steel or timber frame.



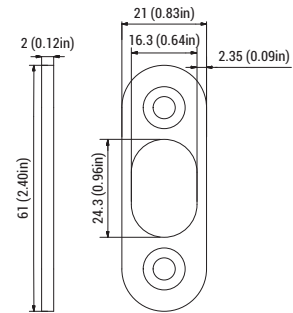
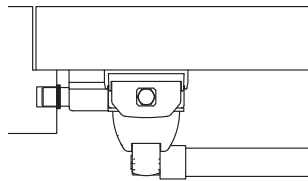
EXAMPLE CODE: KZE-OB-01

Stainless steel keep to suit upper & lower horizontal bolts on outward opening doors in a steel or timber frame.



EXAMPLE CODE: KZE-IB-01

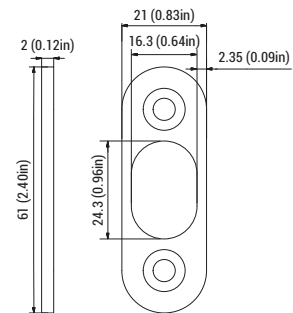
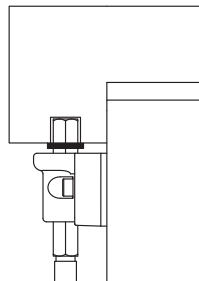
Stainless steel keep to suit upper & lower horizontal bolts on inward opening doors in a steel or timber frame.



ZEUS VERTICAL KEEPS

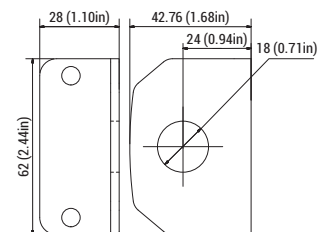
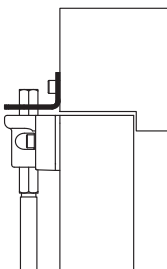
EXAMPLE CODE: KZE-OB-02

Stainless steel keep to suit top bolt on outward opening doors in a steel or timber frame.



EXAMPLE CODE: KZE-IB-02

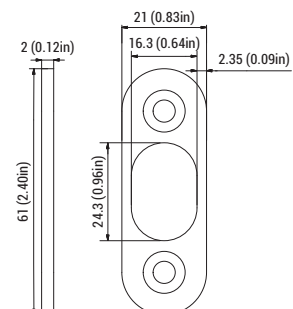
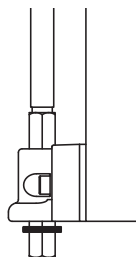
Stainless steel keep to suit top bolt on inward opening doors in a steel or timber frame.



ZEUS VERTICAL & HORIZONTAL BOTTOM KEEPS

EXAMPLE CODE: KZE-FX-04

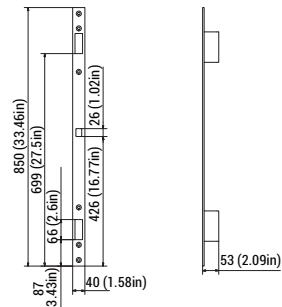
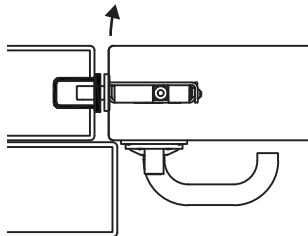
Stainless steel floor keep.



MOORGATE KEEPS

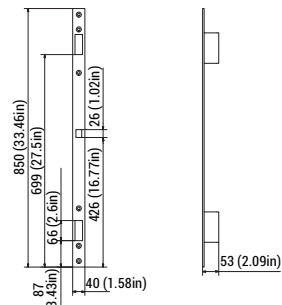
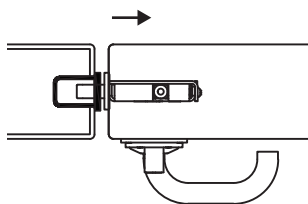
EXAMPLE CODE: KMG-BS-00

Stainless steel mortice fitted keep to suit inward & outward opening gates. Packers supplied to allow for gap between gate and post.



EXAMPLE CODE: KMG-BS-01

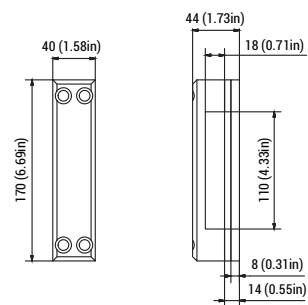
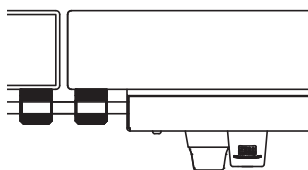
Stainless steel mortice mounted keep to suit sliding gates.



PALISADE KEEPS

EXAMPLE CODE: KPG-BB-00

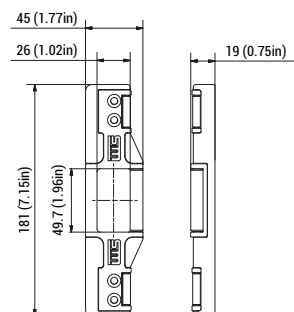
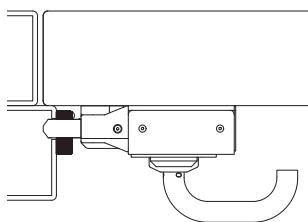
Stainless steel keep to suit inward & outward opening gates.



PURBROOK-GT KEEPS

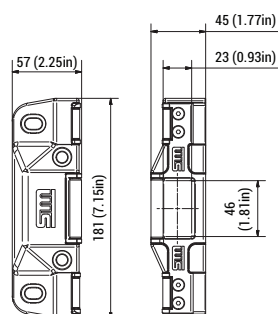
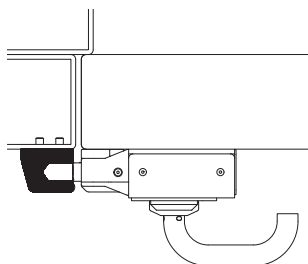
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Stainless steel keep to suit outward opening gates.



EXAMPLE CODE: KGT-IB-00

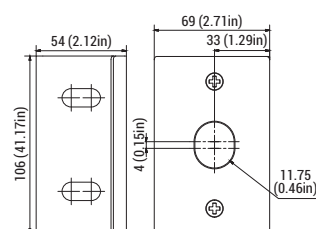
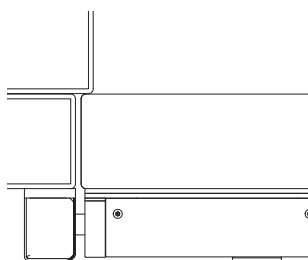
Stainless steel keep to suit inward opening gates.



SGL KEEPS

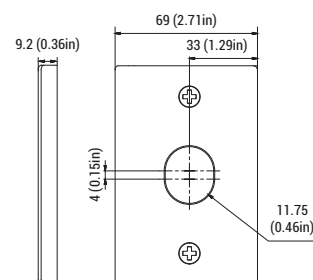
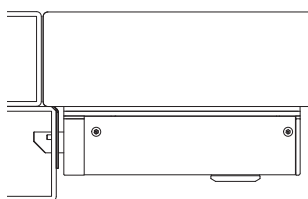
EXAMPLE CODE: KSG-IB-00

Stainless steel keep to suit inward opening gates.



EXAMPLE CODE: KSG-OB-00

Stainless steel keep to suit outward opening gates.



As long standing leaders and innovators in the physical security sector, the Surelock McGill Group stand uniquely positioned to share our expertise with our customers and contacts across the industry. We run our training sessions with the goal of helping you and your staff understand when particular standards are relevant, how these standards are tested and certified, and ultimately allowing your designers, architects, and engineers to specify and order with confidence.

Our first series of webinars focuses on introducing Blast and Ballistic resistance standards, as well as exploring the potential conflicts between Physical Security and Life Safety.



An Introduction to Ballistic Protection Standards - Doorset

Join the Surelock McGill Group who will be hosting an insightful webinar, taking you through the world of ballistic standards. With many years' experience in designing and manufacturing solutions for ballistic protection, our technical team of expertise will provide further guidance on various International Ballistic Standards and what must be considered to be compliant when protecting buildings.



For more information on our upcoming webinars please visit www.surelockmcgillgroup.com where you will be able register your interest.

Life Safety vs Security – Examining the paradox of two conflicting requirements

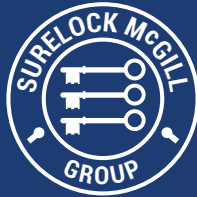
This presentation, hosted by the Surelock McGill Group, will focus on some of the more prominent Life Safety and Security standards – giving an overview of how these standards are tested, where they are required, and examining whether two seemingly conflicting requirements can work in harmony.



Fundamentals of Blast and Blast Resistance Standards

In this presentation, the team at the Surelock McGill Group will be exploring the world of explosives – how explosions differ, why they vary so greatly, and the real world implications of these differences. With this in mind, we will be looking at the standards associated with explosives, and how to design and specify to minimise threat to life and valuable assets.





[Securing the people
who secure the country]

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