



Abryll Range

High Security Single-Point Locking Range, offering a multitude of functions including Panic and Emergency Escape, Mechanical and Electro-Mechanical Deadlocking options.



LPS 1175

BSEN 179

BSEN 1125

BSEN 1670

1M CYCLES

BSEN 1634-1



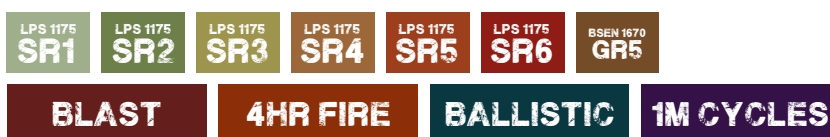
The MICO Abryll Range has established itself as the most approved Single-Point Locking Range for high security applications. Manufactured from stainless steel as standard the Abryll Range offers a robust high security solution for even the harshest environments. Tested and approved on selected single and double doorsets to LPCB SR 2,3,4,5 & 6 and with additional HM Government approvals the MICO Abryll Range is the ideal choice where security is paramount. The Abryll Range also boasts Panic and Emergency Escape functions which carry the latest BS EN 179 and BS EN 1125 accreditations for your added peace of mind.

Customer Care / Installation / Maintenance

At Tindall Engineering we pride ourselves on customer care. Based on trust, we have built up a solid customer base over the years through personal service, bespoke products, arrangements and a highly professional working environment. It doesn't stop with the sale, our site engineers are highly trained meaning we can offer a professional after sales service including installation, maintenance and repair.

Certifications

Security: The Loss Prevention Certification Board LPS1175 SR1, SR2, SR3, SR4, SR5 and SR6



Escape: BS EN 1125:2008 & BS EN 179:2008



Quality:



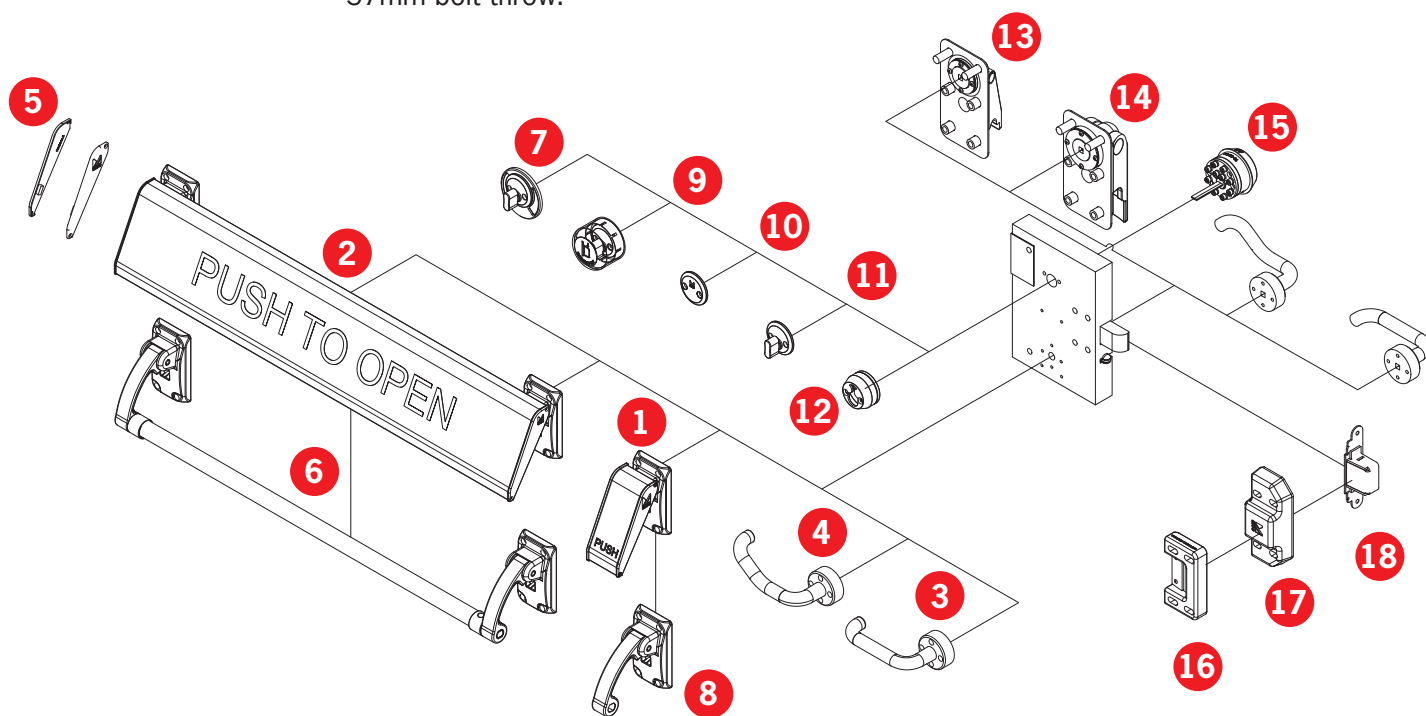
Ratings gained on selected locks on selected doorsets



MICO Abryll Range

Technical Overview

- Stainless Steel construction as standard.
- Dimensions (H) 235mm (W) 165mm.
- Standard Push Plate width supplied as 800mm.
- 37mm bolt throw.



- Option 1** - Aluminium push pad
Option 2 - Aluminium full width push plate
Option 3 - Heavy duty lever handle
Option 4 - Heavy duty cranked lever handle
Option 5 - End caps
Option 6 - Stainless steel push bar
Option 7 - Thumbturn c/w visual indicator
Option 8 - Stainless steel pad
Option 9 - Break dome glass
Option 10 - Blind rose
Option 11 - Thumbturn
Option 12 - Cylinder ring kit
Option 13 - Hasp & Staple SR2
Option 14 - Hasp & staple SR3
Option 15 - Security cylinder guard
Option 16 - Double door receiver
Option 17 - Rim receiver
Option 18 - Standard receiver





Abryll PE

The MICO Abryll Range of single-point, surface fitted **Panic & Emergency (PE)** devices offers single handed means of escape should an emergency event arise.

Push bar, Push pad, Full width push plate and heavy duty lever handle options are all available to meet the mandatory BS EN 179 Emergency escape and BS EN 1125 panic escape standards. An anti-thrust mechanism prevents the bolt from being forced back to open door.



Abryll PE 1

OPERATION

Entry Method: (Optional) outside access devices (OAD) options available from key driven to pad-lockable devices.

Exit Method: Single action to escape at all times via Push bar, push pad, full width push plate or heavy duty lever handle.

FEATURES

- Tested to over 1,000,000 cycles
- Surface fitted
- Adjustable roller snib to take up variants in frame gap
- Optional Bolt status micro-switch



Abryll PE 2

BENEFITS

- Built in anti-thrust mechanism for enhanced security
- Tested and approved up to SR6 (on selected doorsets)
- Emergency escape versions fully tested and certified to BS EN 179:2008 and CE/UKCA Marked
- Panic escape versions fully tested and certified to BS EN 1125:2008 and CE/UKCA Marked

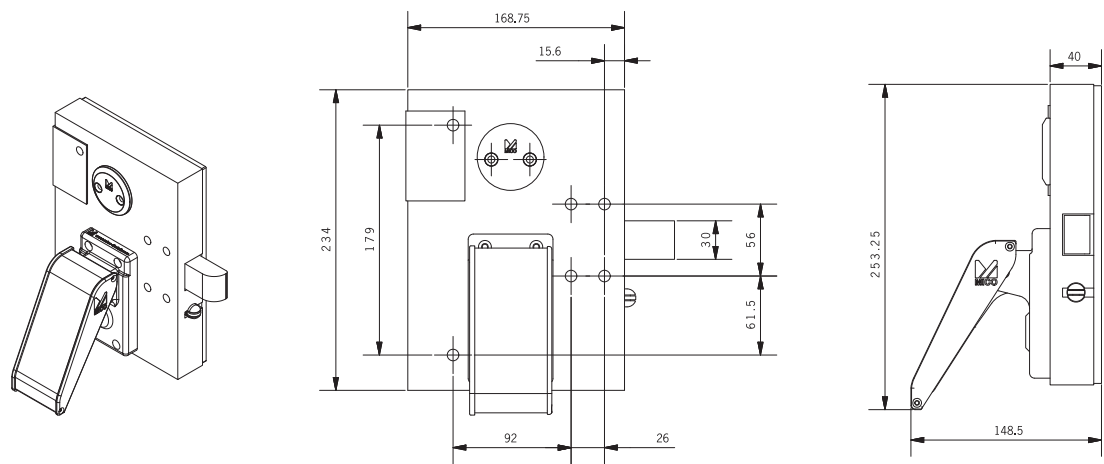


Abryll PE 3



Product Performance Chart - Indicates product has been certificated or tested & approved as part of a complete doorset assembly																										
LPS 1175									SECURITY																	
Issue 7	SR1	SR2	SR3	SR4	SR5	SR6	SR7	SR8	LPS 1673 (AR.)					FEBR (min)	EN 1627	STS 202	PAS 24	LPS 2081	SAFETY	BALLISTIC	BLAST	FIRE	CORROSION	CYCLES		
Issue 8	A	B	C	D	E	F	G	H	TIME	A	B	C	D													
20 Min									300 SEC																	
15 Min									240 SEC					60	RC6	BR6										
10 Min									180 SEC						RC5	BR5		SRB	EN 1125	EN 1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL		
5 Min	A10	B10	C10	D10	E10				120 SEC					15	RC4	BR4			EN 179	UL 752 Level 1-10		EN 1634-1	GR4			
3 Min									60 SEC						RC3	BR3										
1 Min									30 SEC					5	RC2	BR2		SRA	UL 305	NIJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR3	500K		
									20 SEC						RC1	BR1						BS 476-22	GR2	200K		

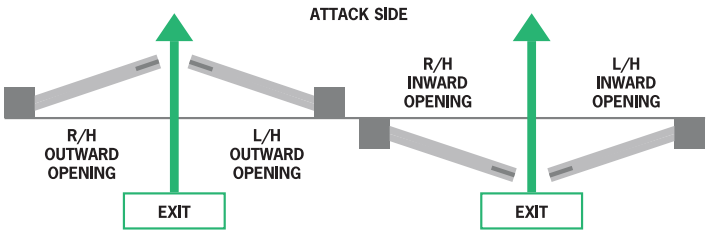
TECHNICAL DRAWINGS



CODING SYSTEM

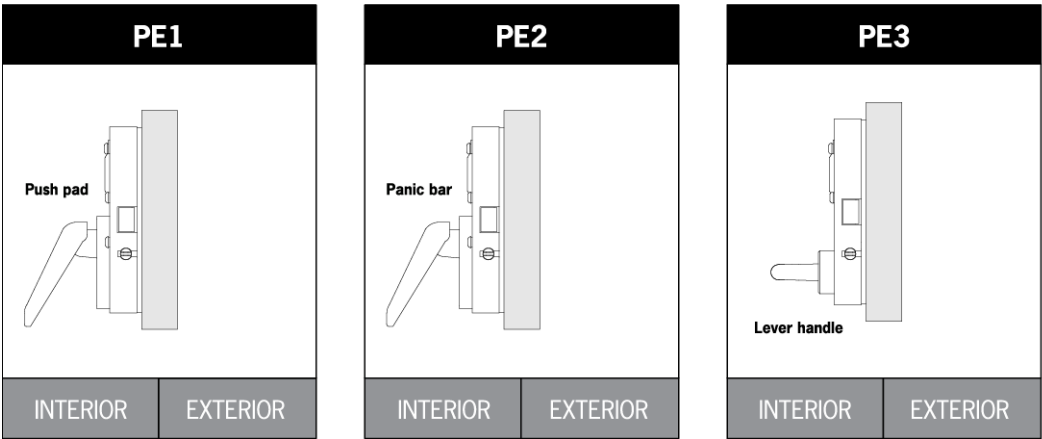
The MICO Abryll has a simple code that covers the chosen methods of entry and exit, followed by additional options.

Example Order Code – MICO Abryll PE1



Range	Bolts	Exit	Entry	Additional Options
MICO ABRYLL	1	PE1 - Emergency push pad	-	(BSM) Bolt status micro switch
		PE2 - Panic Full width push plate		
		PE3 - Emergency Heavy duty lever		
		PE6 - Stainless steel push bar		
		PE8 - Stainless steel pad		

EXAMPLE ENTRY/EXIT DIRECTIONS





Abryll AD

The MICO Abryll AD Range of single-point, surface fitted locking devices offer **Automatic Deadlocking (AD)** upon door closure with external key access facility.

The AD Range can also be specified with single action to escape (SATE) via Push bar, push pad, full width push plate or heavy duty lever to meet the mandatory BS EN 179 Emergency Escape and BS EN 1125 Panic Escape standards.

External key access is provided as standard on the AD Range from LPS 1175 SR2 up to SR6 rated cylinder guard protection.



Abryll AD 3

OPERATION

Entry Method: Mechanical key entry via external key cylinder and Lever. (To suit Scandinavian Oval Rim Cylinder as standard, other profiles available on request)

Exit Method: Thumbturn or key cylinder and lever handle or SATE - single action to escape at all times via Push bar, push pad, full width push plate or heavy duty lever handle.

FEATURES

- Tested to over 1,000,000 cycles
- Surface fitted
- Adjustable roller snib to take up variants in frame gap
- Automatic deadlocking upon door closure
- Optional Bolt & Deadlock status micro-switches.

BENEFITS

- Built in anti-thrust mechanism for enhanced security
- Tested and approved up to SR6 (on selected doorsets)
- Emergency escape versions fully tested and certified to BS EN 179:2008 and CE/UKCA Marked
- Panic escape versions fully tested and certified to BS EN 1125:2008 and CE/UKCA Marked



Abryll AD 3 SATE



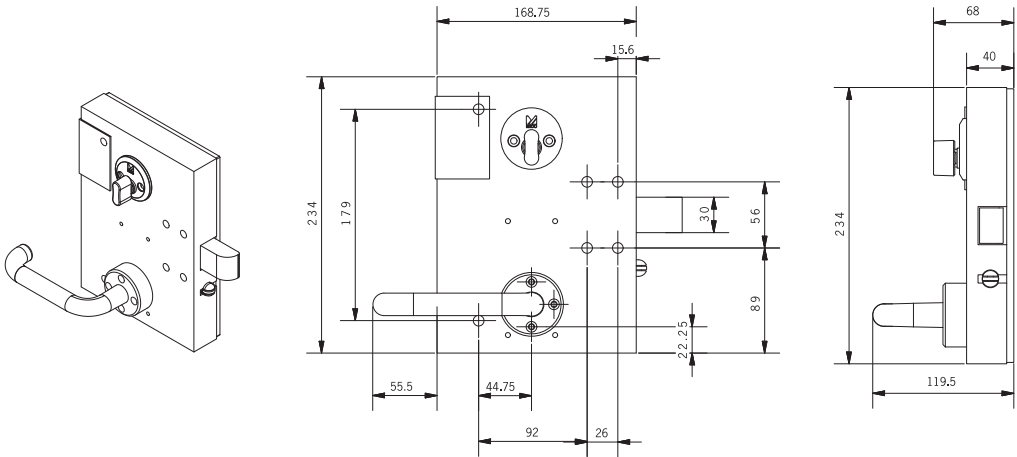
Abryll AD 2 SATE



Product Performance Chart - Indicates product has been certificated or tested & approved as part of a complete doorset assembly																			
LPS 1175								SECURITY								SAFETY	BALLISTIC	BLAST	FIRE
Issue 7	SR1	SR2	SR3	SR4	SR5	SR6	SR7	SR8	LPS 1673 (AR.)				FEBR (min)	EN 1627	STS 202	PAS 24	LPS 2081		
Issue 8	A	B	C	D	E	F	G	H	TIME	A	B	C	D						
20 Min									300 SEC					60	RC6	BR6		SRB	EN 1125
15 Min									240 SEC						RC5	BR5			EN 1522 FB1-7
10 Min	A10	B10	C10	D10	E10				180 SEC					15	RC4	BR4			ISO 16933 EXV 15/25
5 Min									120 SEC						RC3	BR3			UL 752 Level 1-10
3 Min									60 SEC					5	RC2	BR2		SRA	ASTM F2927 Cat 1
1 Min									30 SEC						RC1	BR1			UL 305
																			BS 476-22
																			GR5
																			EN 1634-1
																			GR4
																			GR3
																			GR2
																			GR1



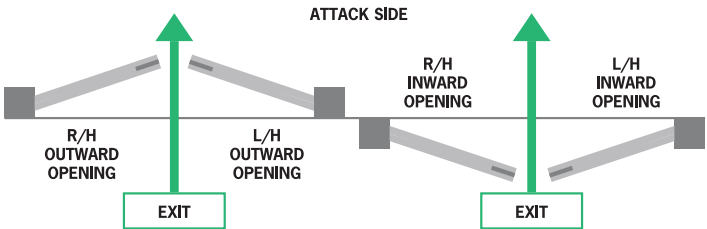
TECHNICAL DRAWINGS



CODING SYSTEM

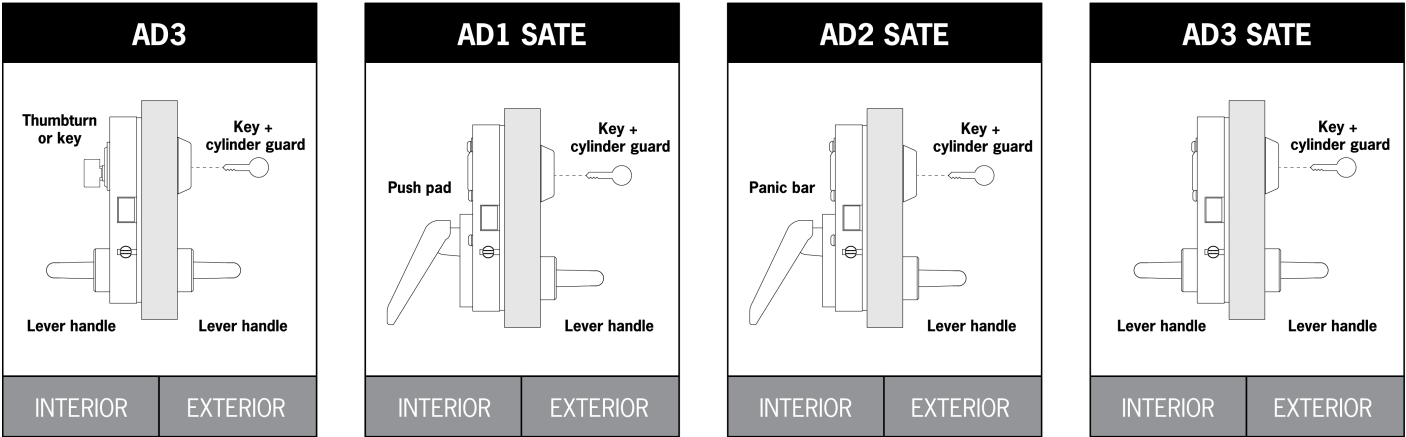
The MICO Abryll has a simple code that covers the chosen methods of entry and exit, followed by additional options.

Example Order Code – MICO Abryll AD3



Range	Bolts	Exit	Entry	Additional Options
MICO ABRYLL	1	AD3 – Thumbturn & Lever	Key & lever	USCH2
		AD1 SATE – Push Pad		USCH3
		AD2 SATE – Push Plate		USCH4
		AD3 SATE – Heavy duty Lever		USCH5
		AD6 SATE – Stainless steel push bar		USCH6
		AD6 SATE – Stainless steel push bar		

EXAMPLE ENTRY/EXIT DIRECTIONS





Abryll MD

The MICO Abryll MD Range of single-point, surface fitted locking devices offers **Manual Deadlocking (MD)** operation, permitting free passage during working hours and deadlocking via key or thumbturn at the close of business.

The MD Range can also be specified with single action to escape (SATE) via Push bar, push pad, full width push plate or heavy duty lever to meet the mandatory BS EN 179 Emergency Escape and BS EN 1125 Panic Escape standards.

External key access is provided as standard on the MD Range from LPS 1175 SR2 up to SR6 rated cylinder guard protection.



Abryll MD 3



Abryll MD 3 VI

OPERATION

Entry Method: Mechanical key entry via external key cylinder and Lever. (To suit Scandinavian Oval Rim Cylinder as standard, other profiles available on request)

Exit Method: Thumbturn or key cylinder and lever handle or SATE - single action to escape at all times via Push bar, push pad, full width push plate or heavy duty lever handle.

FEATURES

- Tested to over 1,000,000 cycles
- Surface fitted
- Adjustable roller snib to take up variants in frame gap
- Manual deadlocking upon door closure
- Optional Bolt & Deadlock status micro-switches

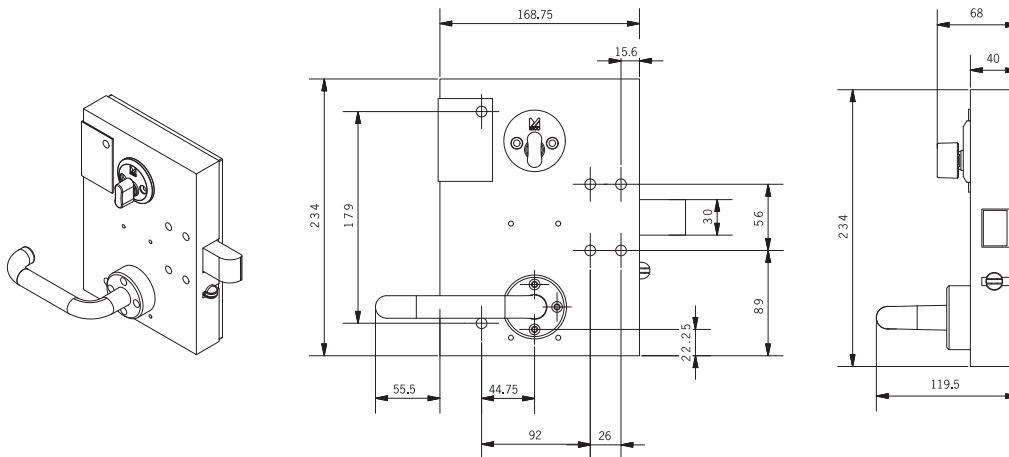
BENEFITS

- Built in anti-thrust mechanism for enhanced security
- Tested and approved up to SR6 (on selected doorsets)
- Emergency escape versions fully tested and certified to BS EN 179:2008 and CE/UKCA Marked
- Panic escape versions fully tested and certified to BS EN 1125:2008 and CE/UKCA Marked



Product Performance Chart - Indicates product has been certificated or tested & approved as part of a complete doorset assembly																								
LPS 1175									SECURITY															
Issue 7	SR1	SR2	SR3	SR4	SR5	SR6	SR7	SR8	LPS 1673 (AR.)					FEBR (min)	EN 1627	STS 202	PAS 24	LPS 2081	SAFETY	BALLISTIC	BLAST	FIRE	CORROSION	CYCLES
Issue 8	A	B	C	D	E	F	G	H	TIME	A	B	C	D											
20 Min									300 SEC					60	RC6	BR6			EN 1125	EN 1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL
15 Min									240 SEC						RC5	BR5		SRB				EN 1634-1	GR4	
10 Min	A10	B10	C10	D10	E10				180 SEC					15	RC4	BR4	PAS 24		EN 179	UL 752 Level 1-10			GR3	500K
5 Min									120 SEC						RC3	BR3					ASTM F2927 Cat 1	CERTIFIRE		
3 Min									60 SEC					5	RC2	BR2		SRA	UL 305	NJ 0108.01 Level 1-4		BS 476-22	GR2	200K
1 Min									30 SEC						RC1	BR1							GR1	

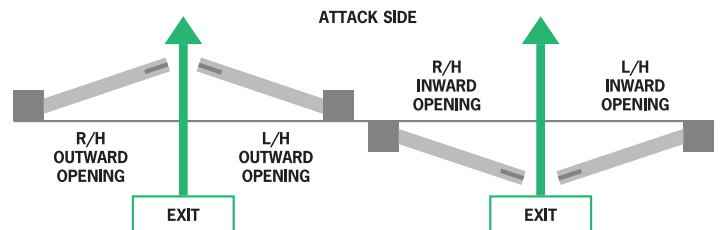
TECHNICAL DRAWINGS



CODING SYSTEM

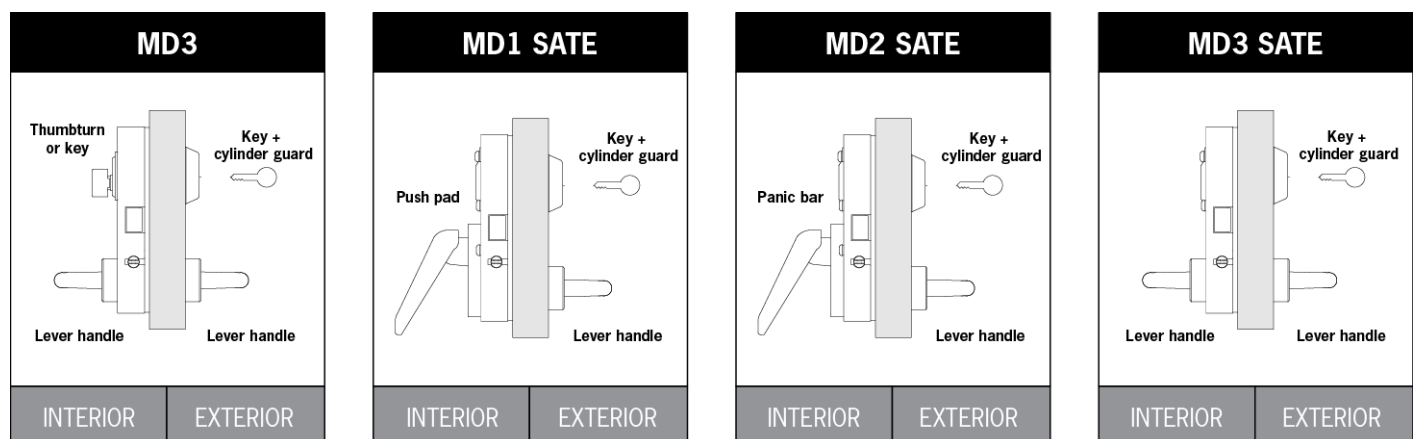
The MICO Abryll has a simple code that covers the chosen methods of entry and exit, followed by additional options.

Example Order Code – MICO Abryll MD3



Range	Bolts	Exit	Entry	Additional Options
MICO ABRYLL	1	MD3 – Key Cylinder / Thumbturn & Lever	Key & lever	USCH2
		MD1 SATE – Push Pad		USCH3
		MD2 SATE – Push Plate		USCH4
		MD3 SATE – Heavy duty lever		USCH5
		MD6 SATE – Stainless steel push bar		USCH6
		MD8 SATE – Stainless steel push pad		

EXAMPLE ENTRY/EXIT DIRECTIONS





Abryll EM

The MICO Abryll EM Range of single-point, surface fitted, fail secure **Electro-Mechanical (EM)** locking devices are suitable for use with all proprietary 12v access control system application where high security is an important consideration.

The EM Range can be specified in either a swipe in/swipe out access control configuration or with external swipe in and internal single action to escape (SATE) via Push bar, push pad, full width push plate or heavy duty lever to meet the mandatory BS EN 179 Emergency Escape and BS EN 1125 Panic Escape standards.

External mechanical key override is provided as standard on the EM Range from LPS 1175 SR2 up to SR6 rated cylinder guard protection.

OPERATION

Access Control in and out with the ability to mechanically override from either side. Auto bolting and deadlocking upon door closure.

Entry: Swipe / Access Control and Lever Handle. With mechanical key override function fitted as standard.

Exit: Swipe / Access Control and Lever Handle. Mechanical override via Thumbturn shrouded in a Breakdome. Single Action Escape via Handle, Push Pad or Full Width Push Plate if fitted with SATE function.

FEATURES

- Tested to over 1,000,000 cycles
- Surface fitted
- Adjustable roller snib to take up variants in frame gap
- Electro-mechanical locking
- Optional Bolt & Deadlock status micro-switches

BENEFITS

- Built in anti-thrust mechanism for enhanced security
- Tested and approved up to SR6 (on selected doorsets)
- Emergency escape versions fully tested and certified to BS EN 179:2008 and CE/UKCA Marked
- Panic escape versions fully tested and certified to BS EN 1125:2008 and CE/UKCA Marked



Abryll EM 3



Abryll EM 3 SATE



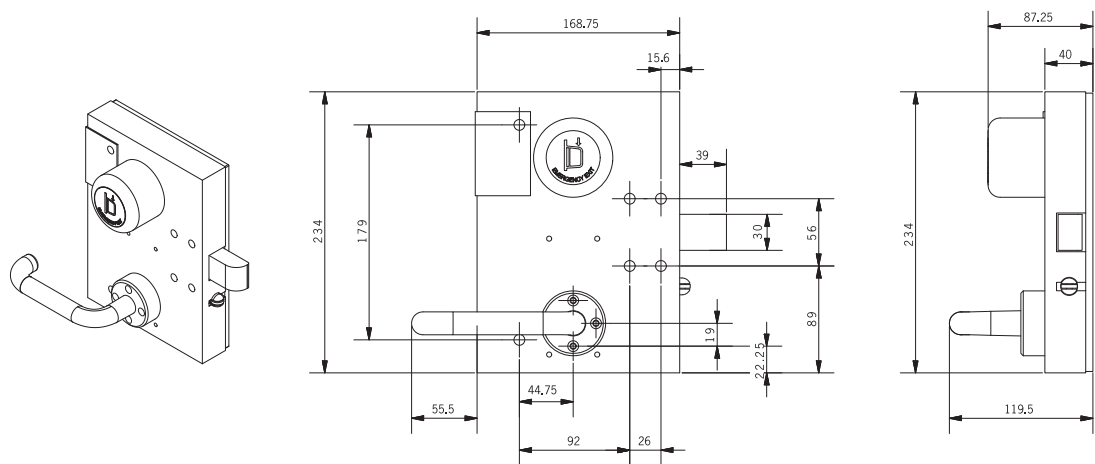
Abryll EM 1 SATE



Product Performance Chart - Indicates product has been certificated or tested & approved as part of a complete doorset assembly																										
LPS 1175									SECURITY																	
Issue 7	SR1	SR2	SR3	SR4	SR5	SR6	SR7	SR8	LPS 1673 (AR.)					FEBR (min)	EN 1627	STS 202	PAS 24	LPS 2081	SAFETY	BALLISTIC	BLAST	FIRE	CORROSION	CYCLES		
Issue 8	A	B	C	D	E	F	G	H	TIME	A	B	C	D													
20 Min									300 SEC																	
15 Min									240 SEC					60	RC6	BR6			EN 1125	EN 1522 FB1-7	ISO 16933 EXV 15/25	UL 10C	GR5	1 MIL		
10 Min	A10	B10	C10	D10	E10				180 SEC					15	RC4	BR4			EN 179	UL 752 Level 1-10		EN 1634-1	GR4			
5 Min									120 SEC						RC3	BR3	PAS 24						GR3	500K		
3 Min									60 SEC					5	RC2	BR2		SRA	UL 305	NJ 0108.01 Level 1-4	ASTM F2927 Cat 1	CERTIFIRE	GR2			
1 Min									30 SEC						RC1	BR1						BS 476-22	GR1	200K		



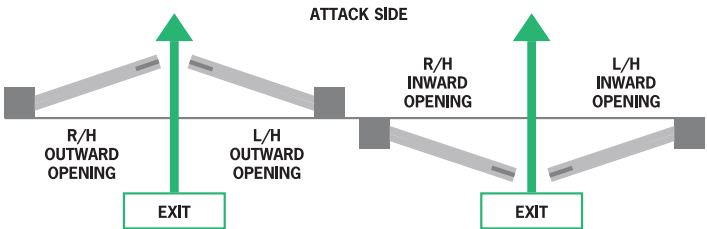
TECHNICAL DRAWINGS



CODING SYSTEM

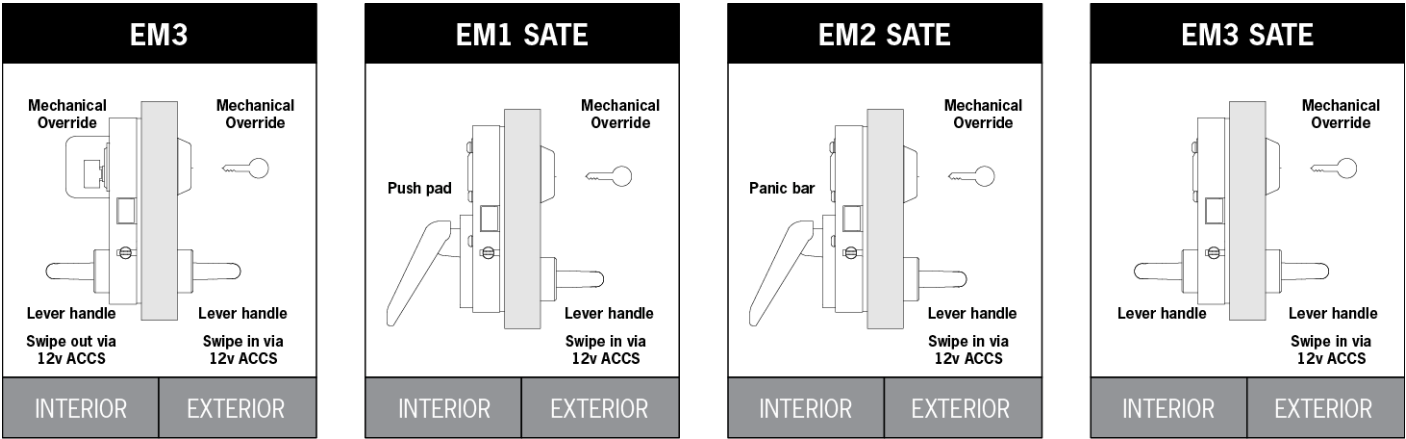
The MICO Abryll has a simple code that covers the chosen methods of entry and exit, followed by additional options.

Example Order Code – MICO Abryll EM3



Range	Bolts	Exit	Entry	Additional Options
MICO ABRYLL	1	EM3 – Access Control & Lever	Swipe and depress lever handle	USCH2
		EM1 SATE – Push Pad		USCH3
		EM2 SATE – Push Plate		USCH4
		EM2 SATE – Push Plate		USCH5
		EM6 SATE – Stainless steel push bar		USCH6
		EM8 SATE – Stainless steel pad		

EXAMPLE ENTRY/EXIT DIRECTIONS





Receivers

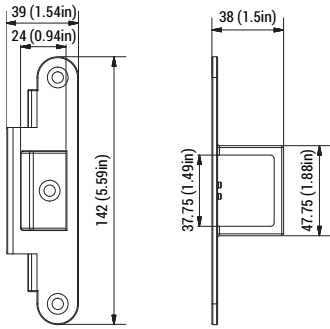
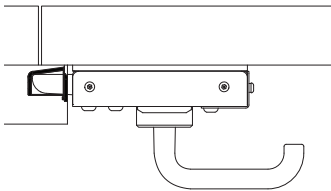
CODING SYSTEM

Example Order Code – 004-AB067

Order Code	Description
005-SK073	Flush fitting (Supplied as standard with lock package).
004-AB067	RIM Receiver
004-AB019	Double Door Receiver

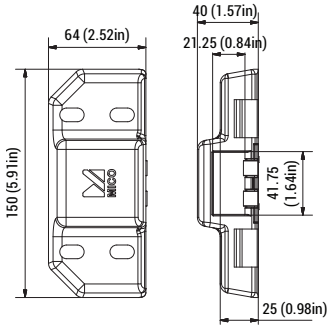
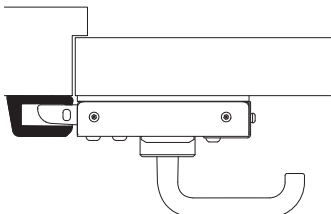
EXAMPLE CODE: 005-SK073

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



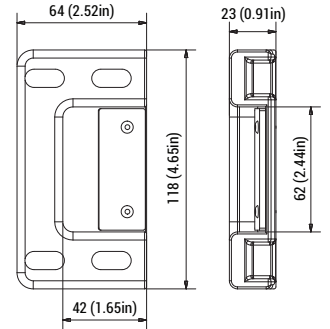
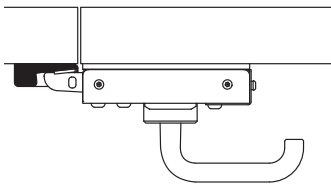
EXAMPLE CODE: 004-AB067

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



EXAMPLE CODE: 004-AB019

Stainless steel receiver to suit steel or timber double doors.





Assessed to ISO 9001
LPCB Cert. No. 608

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