

Certificate of Product Approval

Certificate Number: 312g

Issue: 02

Bradbury Security

Dunlop Way
Queensway Industrial Estate
Scunthorpe
DN16 3RN

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

Products

Extendor Vulcan
Vertex SR2
Vertex SR3
security grilles

Standard

LPS 1175: Issue 7
Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers

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Signed for LPCB

Paul Dillon
Verifier

17 May 2017
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Security Grilles

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating ¹	LPCB Ref. No.
Extendor Vulcan	Fixed security grille	0.45	3.88	0.3	5.75	2	312g/01
	Single sash collapsible security grille	0.625	2.7	0.39	5.75	2+	
	Double sash collapsible security grille	0.625	2.7	0.44	11.5 ²	2+	
	Single sash flexi collapsible security grille	0.625	2.7	0.39	5.75	2+	
	Double sash flexi collapsible security grille	0.625	2.7	0.44	Unlimited ²	2+	
Vertex SR2	Single sash collapsible security grille	1.631	3.590	1.8	Unlimited	2	312g/02
	Double sash collapsible security grille	1.631	3.590	3.3	Unlimited	2	
Vertex SR3	Single sash collapsible security grille	1.631	3.590	1.8	Unlimited	3	312g/03
	Double sash collapsible security grille	1.631	3.590	3.3	Unlimited	3	

Approved Locking Configurations

LPCB Ref. No.	Product Name	Type	Compatible Locking Devices
312g/01	Extendor Vulcan	Fixed security grille	1 and 2
		Single sash collapsible security grille	1 and 2
		Double sash collapsible security grille	1 and 2
		Single sash flexi collapsible security grille	1 and 2
		Double sash flexi collapsible security grille	1 and 2
312g/02	Vertex SR2	Single sash collapsible security grille	3 to 19
		Double sash collapsible security grille	3 to 19
312g/03	Vertex SR3	Single sash collapsible security grille	3 to 19
		Double sash collapsible security grille	3 to 19

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Compatible Locking Systems

Compatible Locking System	Manufacturer	Model	Type	Compatible Operating Device		Compatible Cylinders
				External Face	Internal Face	
1	Bradbury Security	Extendor CL03	Multi-point locking system	Key ³	-	DE, DI and DJ
2	Bradbury Security	Extendor TBNH01	Multi-point locking system	Key ³	-	DE, DI and DJ
3	Surelock McGill Limited	Moorgate MG301-10	Three-point mortice automatic deadlocking locking system	None	Internal key and lever handle	-
4	Surelock McGill Limited	Moorgate MG301-10-K0	Three-point mortice manual deadlocking locking system	None	Internal key and lever handle	-
5	Surelock McGill Limited	Moorgate MG301-10-H3K0	Three-point mortice manual deadlocking locking system	None	Push pad deadlocked by a key	-
6	Surelock McGill Limited	Moorgate MG303-10	Three-point mortice automatic deadlocking locking system	None	Thumbturn and lever handle	-
7	Surelock McGill Limited	Moorgate MG303-10-K0	Three-point mortice manual deadlocking locking system	None	Thumbturn and lever handle	-
8	Surelock McGill Limited	Moorgate MG303-10-H3K0	Three-point mortice manual deadlocking locking system	None	Push pad deadlocked by a thumbturn	-
9	Surelock McGill Limited	Moorgate MG305-1x-Q4	Three-point mortice automatic deadlocking emergency exit locking system	None	Lever handle	-
10	Surelock McGill Limited	Moorgate MG310-10-P ¹	Three-point mortice automatic deadlocking locking system	Key and lever handle	None	BY to DH
11	Surelock McGill Limited	Moorgate MG310-10-K0P ¹	Three-point mortice manual deadlocking locking system	Key and lever handle	None	BY to DH
12	Surelock McGill Limited	Moorgate MG311-10-P ¹	Three-point mortice automatic deadlocking locking system	Key and lever handle	Internal key and lever handle	AO to BX
13	Surelock McGill Limited	Moorgate MG311-10-K0P ¹	Three-point mortice manual deadlocking locking system	Key and lever handle	Internal key and lever handle	AO to BX

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Compatible Locking System	Manufacturer	Model	Type	Compatible Operating Device		Compatible Cylinders
				External Face	Internal Face	
14	Surelock McGill Limited	Moorgate MG311-10-H3K0P ¹	Three-point mortice manual deadlocking locking system	Key and lever handle	Push pad deadlocked by a key	AO to BX
15	Surelock McGill Limited	Moorgate MG313-10-P ¹	Three-point mortice automatic deadlocking locking system	Key and lever handle	Thumbturn and lever handle	A to AN
16	Surelock McGill Limited	Moorgate MG313-10-K0P ¹	Three-point mortice manual deadlocking locking system	Key and lever handle	Thumbturn and lever handle	A to AN
17	Surelock McGill Limited	Moorgate MG313-10-H3K0P ¹	Three-point mortice manual deadlocking locking system	Key and lever handle	Push pad deadlocked by a thumbturn	A to AN
18	Surelock McGill Limited	Moorgate MG315-1x-P ¹	Three-point mortice automatic deadlocking emergency exit locking system	Key and lever handle	Lever handle	BY to DH
19	Surelock McGill Limited	Moorgate MG315-1x-K0P ¹	Three-point mortice manual deadlocking emergency exit locking system	Key and lever handle	Lever handle	BY to DH

Compatible Cylinders

Cylinder Reference	Manufacturer	Model	Type
A	Abloy	Protec CY305-PT	Europrofile double (key:thumb)
B	Abloy	Protec CY309-PT	Europrofile double (key:thumb)
C	Abloy	Protec CY319-PT	Europrofile double (key:thumb)
D	Abloy	Protec CY323-PT	Europrofile double (key:thumb)
E	Abloy	Protec CY328-PT	Europrofile double (key:thumb)
F	Abloy	Protec CY333-PT	Europrofile double (key:thumb)
G	Abloy	Protec CY338-PT	Europrofile double (key:thumb)
H	Abloy	Protec2 CY323-TT	Europrofile double (key:thumb)
I	Abloy	Protec2 CY328-TT	Europrofile double (key:thumb)
J	Abloy	Protec2 CY333-TT	Europrofile double (key:thumb)
K	Abloy	Protec2 CY338-TT	Europrofile double (key:thumb)
L	Abloy	Protec Cliq / Cliq Remote CY305-PT-CLIQ ⁴	Europrofile double (key:thumb) (Mechatronic)
M	Abloy	Protec Cliq / Cliq Remote CY333-PT-CLIQ ⁴	Europrofile double (key:thumb) (Mechatronic)

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Cylinder Reference	Manufacturer	Model	Type
N	Abloy	Protec2 Cliq / Cliq Remote CY333-TT-CLIQ ⁴	Europrofile double (key:thumb) (Mechatronic)
O	Abloy	Disklock Pro CY305-DP	Europrofile double (key:thumb)
P	Abloy	Disklock Pro CY309-DP	Europrofile double (key:thumb)
Q	Abloy	Disklock Pro CY319-DP	Europrofile double (key:thumb)
R	Abloy	Disklock Pro CY323-DP	Europrofile double (key:thumb)
S	Abloy	Disklock Pro CY328-DP	Europrofile double (key:thumb)
T	Abloy	Disklock Pro CY333-DP	Europrofile double (key:thumb)
U	Abloy	Disklock Pro CY338-DP	Europrofile double (key:thumb)
V	Abloy	Novel CY323-VL	Europrofile double (key:thumb)
W	Abloy	Novel CY328-VL	Europrofile double (key:thumb)
X	Abloy	Novel CY333-VL	Europrofile double (key:thumb)
Z	Abloy	Novel CY338-VL	Europrofile double (key:thumb)
AA	Access2	Tigris Omega	Europrofile double (key:thumb)
AB	Access2	Tigris Plus	Europrofile double (key:thumb)
AC	Access2	Tigris Premier Two	Europrofile double (key:thumb)
AD	ASSA	4427dp	Europrofile double (key:thumb)
AE	ASSA	44M27 Cliq / Cliq Remote ⁴	Europrofile double (key:thumb) (Mechatronic)
AF	ASSA	4827	Europrofile double (key:thumb)
AG	ASSA	C5827	Europrofile double (key:thumb)
AH	ASSA	7627	Europrofile double (key:thumb)
AI	Kaba	experT	Europrofile double (key:thumb)
AJ	Kaba	Gege RAM	Europrofile double (key:thumb)
AK	Kaba	Gege pExtra	Europrofile double (key:thumb)
AL	Kaba	Quattro PluS	Europrofile double (key:thumb)
AM	KESO	4000S	Europrofile double (key:thumb)
AN	Medeco	M3-ARX	Europrofile double (key:thumb)
AO	Abloy	Protec CY304-PT	Europrofile double (key:key)
AP	Abloy	Protec CY308-PT	Europrofile double (key:key)
AQ	Abloy	Protec CY318-PT	Europrofile double (key:key)
AR	Abloy	Protec CY322-PT	Europrofile double (key:key)
AS	Abloy	Protec CY327-PT	Europrofile double (key:key)

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Cylinder Reference	Manufacturer	Model	Type
AT	Abloy	Protec CY332-PT	Europrofile double (key:key)
AU	Abloy	Protec CY337-PT	Europrofile double (key:key)
AV	Abloy	Protec2 CY322-TT	Europrofile double (key:key)
AW	Abloy	Protec2 CY327-TT	Europrofile double (key:key)
AX	Abloy	Protec2 CY332-TT	Europrofile double (key:key)
AY	Abloy	Protec2 CY337-TT	Europrofile double (key:key)
AZ	Abloy	Protec Cliq / Cliq Remote CY304-PT-CLIQ ⁴	Europrofile double (key:key) (Mechatronic)
BA	Abloy	Protec Cliq / Cliq Remote CY332-PT-CLIQ ⁴	Europrofile double (key:key) (Mechatronic)
BB	Abloy	Protec2 Cliq / Cliq Remote CY332-TT-CLIQ ⁴	Europrofile double (key:key) (Mechatronic)
BC	Abloy	Disklock Pro CY304-DP	Europrofile double (key:key)
BD	Abloy	Disklock Pro CY308-DP	Europrofile double (key:key)
BE	Abloy	Disklock Pro CY318-DP	Europrofile double (key:key)
BF	Abloy	Disklock Pro CY322-DP	Europrofile double (key:key)
BG	Abloy	Disklock Pro CY327-DP	Europrofile double (key:key)
BH	Abloy	Disklock Pro CY332-DP	Europrofile double (key:key)
BI	Abloy	Disklock Pro CY337-DP	Europrofile double (key:key)
BJ	Abloy	Novel CY322-VL	Europrofile double (key:key)
BK	Abloy	Novel CY327-VL	Europrofile double (key:key)
BL	Abloy	Novel CY332-VL	Europrofile double (key:key)
BM	Abloy	Novel CY337-VL	Europrofile double (key:key)
BN	ASSA	4422dp	Europrofile double (key:key)
BO	ASSA	44M22 Cliq / Cliq Remote ⁴	Europrofile double (key:key) (Mechatronic)
BP	ASSA	4822	Europrofile double (key:key)
BQ	ASSA	C5822	Europrofile double (key:key)
BR	ASSA	7622	Europrofile double (key:key)
BS	Kaba	experT	Europrofile double (key:key)
BT	Kaba	Gege RAM	Europrofile double (key:key)
BU	Kaba	Gege pExtra	Europrofile double (key:key)
BV	Kaba	Quattro PluS	Europrofile double (key:key)
BW	KESO	4000S	Europrofile double (key:key)
BX	Medeco	M3-ARX	Europrofile double (key:key)

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Cylinder Reference	Manufacturer	Model	Type
BY	Abloy	Protec CY303-PT	Europrofile single
BZ	Abloy	Protec CY307-PT	Europrofile single
CA	Abloy	Protec CY317-PT	Europrofile single
CB	Abloy	Protec CY321-PT	Europrofile single
CC	Abloy	Protec CY326-PT	Europrofile single
CD	Abloy	Protec CY331-PT	Europrofile single
CE	Abloy	Protec CY336-PT	Europrofile single
CF	Abloy	Protec2 CY321-TT	Europrofile single
CG	Abloy	Protec2 CY326-TT	Europrofile single
CH	Abloy	Protec2 CY331-TT	Europrofile single
CI	Abloy	Protec2 CY336-TT	Europrofile single
CJ	Abloy	Protec Cliq / Cliq Remote CY303-PT-CLIQ ⁴	Europrofile single (Mechatronic)
CK	Abloy	Protec Cliq / Cliq Remote CY331-PT-CLIQ ⁴	Europrofile single (Mechatronic)
CL	Abloy	Protec2 Cliq / Cliq Remote CY331-TT-CLIQ ⁴	Europrofile single (Mechatronic)
CM	Abloy	Disklock Pro CY303-DP	Europrofile single
CN	Abloy	Disklock Pro CY307-DP	Europrofile single
CO	Abloy	Disklock Pro CY317-DP	Europrofile single
CP	Abloy	Disklock Pro CY321-DP	Europrofile single
CQ	Abloy	Disklock Pro CY326-DP	Europrofile single
CR	Abloy	Disklock Pro CY331-DP	Europrofile single
CS	Abloy	Disklock Pro CY336-DP	Europrofile single
CT	Abloy	Novel CY321-VL	Europrofile single
CU	Abloy	Novel CY326-VL	Europrofile single
CV	Abloy	Novel CY331-VL	Europrofile single
CW	Abloy	Novel CY336-VL	Europrofile single
CX	ASSA	4423	Europrofile single
CY	ASSA	44M23 Cliq / Cliq Remote ⁴	Europrofile single (Mechatronic)
CZ	ASSA	4823	Europrofile single
DA	ASSA	C5823	Europrofile single
DB	ASSA	7623	Europrofile single
DC	Kaba	expert	Europrofile single

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DD	Kaba	Gege RAM	Europrofile single
DE	Kaba	Gege pExtra	Europrofile single
DF	Kaba	Quattro Plus	Europrofile single
DG	KESO	4000S	Europrofile single
DH	Medeco	M3-ARX	Europrofile single
DI	ASSA	Twin Combi DP 4400 ⁵	Europrofile single
DJ	CISA	AP3	Europrofile single

Approved Installation Configurations⁶

Product Name	Configuration	Substrate					
		Brickwork	Blockwork	Reinforced Concrete	Structural Timber	Structural Steel	Aluminium
Extendor Vulcan	Reveal fixed	✓	✓	✓	✓	✓	✓
	Internal face fixed	✓	✓	✓	✓	✓	✓
Vertex SR2	Reveal fixed	✓	✓	✓	-	✓	-
Vertex SR3	Reveal fixed	✓	✓	✓	-	✓	-

Notes:

- The security rating achieved by the grilles depends on the cylinder fitted. The model reference for the cylinder guard used on the Vertex SR2 grilles is P22 and P32 for the Vertex SR3 grilles.
- The maximum width of any sash used to form the grilles is 5.75 m.
- The grilles may be configured so that the cylinders are located in either the attack face or the protected face of the lock stiles.
- The resistance of the mechatronic cylinders to "non-mechanical" attack has not been assessed as it is outside the scope of LPS 1175. Likewise, the approval does not cover possible effects of any susceptibilities relating to the functionality and performance of ancillary equipment that may be used in conjunction with these cylinders. It is therefore recommended that specifiers satisfy themselves that the components used are either resistant to electronic methods of attack, or that they are suitably protected from such tampering/abuse and are resistant to any environmental conditions/interference that may cause the locking system to disengage.
- The Extendor Vulcan grilles achieve a Security Rating 2 classification when the Assa Twin Combi DP 4400 single europrofile cylinders are fitted.
- The grilles are approved when installed to these substrates in accordance with the instructions provided on the following documents. However, the resistance to forced entry provided by the substrate itself is outside the scope of the approval.
 - Extendor Vulcan - PMD 900 (Revision 3).
 - Vertex SR2 and SR3 – Substrate Fixing Requirements (Revision 1)

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