

Steel Door Sizes (Level 2)

- Single Doors: Max Width 1430mm X Max Height 2930mm
- Leaf & Half Doors: Max Width 2600mm X Max Height 2930mm
- Double Doors: Max Width 2600mm X Max Height 2930mm

Steel Door Frame (Level 2)

- Triple protection anti-pry frame profile
- Internal steel hinge chassis system for extra strength and rigidity plus integral mounting plates
- Security door frame manufactured from 1.5mm thick Zintec steel
- 110mm frame depth
- Integral mounting plates
- Prepared for inside and outside fixing
- P seals

Steel Door Leaf (Level 2)

- Manufactured from 1.5mm thick Zintec steel
- Folded 66mm thick leaf with composite Dufaylite honeycomb core
- Internal reinforcements and strengthened locking area
- 9 no. 17 mm solid steel dog bolts per leaf (18 on double doors)

Steel Door Hinges (Level 2)

- 6 no. BS.EN 1935.2002 Grade 13 stainless steel hinges per leaf (12 on double doors), or option of 100mm lift-off hinges

Options (Level 2)

Choices include certified:

- Mico locking systems and actuators
- Access control options
- Top and side panels
- Glazing/vision panels - including DDA compliant vision panels
- Louvres
- Removable overpanels, fixed side panels and fixed overpanels available
- Powder coating or priming including EXTRA LIFE 10 Year paint warranty option

FIRE-RATED OPTION ALSO AVAILABLE – UP TO 240 MINUTES



Certificate of Product Approval

Certificate Number: 312f

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

M2M²

single and double leaf hinged security doorsets

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

23 April 2013
Date of Issue

15 April 2013
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Appendix to Certificate No: 312f Bradbury Security

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Hinged Security Doorsets

Product Name	Product Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
'M2M ² '	Single leaf outward opening doorset	1.0	2.43	0.74	1.18	2	312f/01
	Single leaf outward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	
	Double leaf outward opening doorset ¹	1.0	2.43	1.15	2.20	2 ²	
	Double leaf outward opening doorset with side and/or over panels ¹	1.0	3.93	0.74	5.20	2 ²	

Approved Locking Configurations³

LPCB Ref. No.	Product Name	Type	Compatible Locking Devices	
			Active Leaf	Passive Leaf
312f/01	'M2M ² '	Single leaf outward opening doorset	1	N/A
		Single leaf outward opening doorset with side and/or over panels	1	N/A
		Double leaf outward opening doorset	1	2
		Double leaf outward opening doorset with side and/or over panels	1	2

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Compatible Locking Devices

Compatible Locking System	Manufacturer	Model	Type	Compatible Operating Device		Compatible Cylinders
				External Face	Internal Face	
1	Tindall Engineering Limited	Mico Abryll AD3 / USCH2	Single point locking system with automatic deadlocking	Key and lever handle	Key or thumbturn and lever handle	A to AI
2	Albert Jagger	A35 0840/002	Sprung tower bolt	-	Sprung tower bolt	-

Compatible Cylinders

Cylinder Reference	Manufacturer	Model	Type
A	Abloy	Protec CY201 PT	Scandinavian Oval
B	Abloy	Disklock Pro CY201 DP	Scandinavian Oval
C	Abloy	Protec Cliq CY201 ⁴	Scandinavian Oval (mechatronic)
D	Access2	Tigres Omega	Scandinavian Oval
E	AMS	CL-OVLD ⁴	Scandinavian Oval (mechatronic)
F	ASSA	4401dp	Scandinavian Oval
G	ASSA	4401 Cliq ⁴	Scandinavian Oval (mechatronic)
H	ASSA	4407dp	Scandinavian Oval
I	ASSA	4407 Cliq ⁴	Scandinavian Oval (mechatronic)
J	ASSA	4801	Scandinavian Oval
K	ASSA	4807	Scandinavian Oval
L	ASSA	C5801	Scandinavian Oval

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Cylinder Reference	Manufacturer	Model	Type
M	ASSA	C5807	Scandinavian Oval
N	ASSA	Twin 7601	Scandinavian Oval
O	ASSA	Twin 7607	Scandinavian Oval
P	iLOQ	C10s.1	Scandinavian Oval
Q	Kaba	Gege RAM	Scandinavian Oval
R	Kaba	Gege pExtra	Scandinavian Oval
S	Kaba	K20	Scandinavian Oval
T	Kaba	Quattro PluS	Scandinavian Oval
U	KESO	2000S	Scandinavian Oval
V	KESO	4000S	Scandinavian Oval
W	Locken	CL-PL2WR	Scandinavian Oval
X	Medeco	M3-ARX	Scandinavian Oval
Y	Abloy	Protec CY403	Rim
Z	Abloy	Protec Cliq CY403 ⁴	Rim (mechatronic)
AA	Abloy	Disklock Pro CY403	Rim
AB	Kaba	Quattro Plus	Rim
AC	KESO	2000S	Rim
AD	KESO	4000S	Rim
AE	Medeco	M3-ARX	Rim
AF	Yale	X5	Rim
AG	AMS	CL-CA2D ⁴	Finish Round (mechatronic)
AH	ASSA	4857	Round threaded
AI	ASSA	C5857	Round threaded

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Accessories⁵

Accessory	Description
External lock cover shroud	External padlockable shroud covering the external hardware
Low profile aluminium sill	Low profile aluminium sill
Vision panels	356 mm high by 203 mm wide vision panel incorporating a 45.04 mm thick specialist laminated double glazed security glazing unit
	762 mm high by 203 mm wide vision panel incorporating a 45.04 mm thick specialist laminated double glazed security glazing unit
	457 mm high by 457 mm wide vision panel incorporating a 45.04 mm thick specialist laminated double glazed security glazing unit
	356 mm high by 203 mm wide vision panel incorporating a 45.5 mm thick specialist laminated security glass
	762 mm high by 203 mm wide vision panel incorporating a 45.5 mm thick specialist laminated security glass
	457 mm high by 457 mm wide vision panel incorporating a 45.5 mm thick specialist laminated security glass

Notes:

1. The M2M² double leaf doorsets can be produced with leaves of unequal width. The minimum width of the active leaf is 750 mm.
2. The double doorset achieves a Security Rating 1 when left in the minimum locked condition, i.e. when only one surface mounted drop bolt on the passive leaf is engaged and the locking mechanism on the active leaf is engaged.
3. Certification does not cover the use of locks other than those listed. Utilisation of unlisted locks may affect the level of security offered by the doorset.
4. The resistance of the mechatronic cylinders to "non-mechanical" attack is excluded from the assessment. This is because it is outside the scope of LPS 1175. Likewise, the assessment does not cover possible effects of any susceptibilities relating to the functionality and performance of ancillary equipment that may be used in conjunction with those cylinders. It is therefore recommended that Bradbury Security 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.
5. Certification does not cover the use of vision panels or other accessories that are not listed. Utilisation of other accessories may affect the level of security offered by the doorset.

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