

Locks

Lock Testing and Specification

BS EN 12209:2003 has introduced a classification system allowing lock manufacturers to test locks with a wide range of purposes and qualities to a set of common standards. The standards identify the use, durability, door mass & closing force, fire resistance, safety, corrosion resistance, security and drill resistance, field of application, type of key operation and locking, type of spindle operation, and key operation for lever locks. This is represented by an eleven alphanumeric code. Cylinders are tested separately under BSEN1303

Digit 1 Category of use

Three categories of use are identified:

- Grade 1: low frequency of use by people with a high incentive to exercise care and a small chance of misuse. E.g. residential doors
- Grade 2: medium frequency of use by people with some incentive to exercise care but where there is some chance of misuse. E.g. internal office doors.
- Grade 3: high frequency of use by public or others with little incentive to exercise care and with a high chance of misuse.

Digit 2 Durability

Twelve grades are identified with minimum figures for deadbolt and snib operation with and without side load as shown. The side load is applied to the latch bolt when it is being withdrawn

Increasing side load →

↑	Grade C	Grade H	Grade M	Grade S	Grade X
No. of	Grade B	Grade G	Grade L	Grade R	Grade W
Operations	Grade A	Grade F			

Digit 3 Door mass and Closing Force

Nine grades are identified with maximum figures for closing force at various door masses as shown. Note: closing force is from a standing start: I.e. extended latch bolt in contact with striking plate at start of test

Maximum Closing force	Door mass		
	up to 100kg	up to 200kg	above 200kg
15N	Grade 7	Grade 8	Grade 9
25N	Grade 4	Grade 5	Grade 6
50N	Grade 1	Grade 2	Grade 3

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Digit 4 Fire Resistance

Two grades are identified:-

Grade 0: not approved for use on a fire/smoke door assemblies tested to BSEN1634-1

Grade 1: suitable for use on fire/smoke door assemblies tested to BSEN1634-1

Note 1: Grade one classification means only that the lock has been designed for use on fire/smoke door assemblies. For actual fire performance achieved reference should be made to the actual performance achieved in a separate fire test report.

Note 2: Where a product is intended for a fire/smoke door use it must be possible to demonstrate compliance with the Essential Requirements of the Construction Products (Amendments) Regulations. It is recommended that the product should bear a CE mark.

Digit 5 Safety

No requirement but note: a lock or latch conforming to this standard can at the same time be part of an exit device conforming to BSEN1125 or BSEN179 and therefore need to be marked 1 for safety compliance.

Digit 6 Corrosion Resistance

Eight grades are identified with neutral salt spray (NSS) corrosion resistance grades from EN 1670:1998 with and without temperature resistance as shown.

Corrosion Resistance (NSS)	Temperature resistance	
	No requirement	-20°C to +80°C
240 hours	grade D	Grade G
96 hours	Grade C	Grade F
48 hours	Grade B	Grade E
24 hours	Grade A	
no requirement	Grade 0	

Digit 7 Security and Drill resistance

Seven grades are identified with minimum figures for requirements relating to physical attack with or without drilling of the lock cases as shown:

↑ Increasing resistance to attack	No drilling requirement	No drilling requirement
	Grade 6	Grade 7
Grade 4	Grade 5	
Grade 3		
Grade 2		
Grade 1		

Locks



Five lever security sash lock

Security locks type tested to BS3621:2004 & BSEN12209:2003

3	H	5	1	0	F	7	K	D	2	B
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Mechanism: five levers providing minimum 1000 key variations
drill resistant side plates & hardened steel rollers

Case size 108x67mm or 76mm

Backset 44mm or 57mm

Follower centre to keyway centre 57mm

Faceplate 156mmx25mm

Included in a successful fire test

SSLO 92.252.6251	5 lever sash lock 67mm	SC
SSLO 92.252.6231	5 lever sash lock 67mm	PB
SSLO 92.253.6251	5 lever sash lock 76mm	SC
SSLO 92.253.6231	5 lever sash lock 76mm	PB

Five lever security dead lock

Security locks type tested to BS3621:2004 & BSEN12209:2003

3	H	5	1	0	F	7	K	D	0	B
---	---	---	---	---	---	---	---	---	---	---

Mechanism: five levers providing minimum 1000 key variations
drill resistant side plates & hardened steel rollers

SSLO 92.252.6151	5 lever dead lock 67mm	SC
SSLO 92.252.6131	5 lever dead lock 67mm	PB
SSLO 92.253.6151	5 lever dead lock 76mm	SC
SSLO 92.253.6151	5 lever dead lock 76mm	PB



Locks

Three lever lock



3 lever mechanism
reversible latch bolt
brass dead bolt
suitable for bolt through furniture
8mm follower
Flat striking plate
Case size 108x63mm or 76mm
Backset 44mm or 57mm
Follower centre to keyway centre 57mm
Faceplate 156mmx23mm

SSLO87105.583	3 lever sash lock 63mm	NP
SSLO87105.582	3 lever sash lock 63mm	EB
SSLO87105.585	3 lever sash lock 75mm	SC
SSLO87105.584	3 lever sash lock 75mm	EB



Case latch Heavy sprung commercial latch

SSLO 87.1013.23	Case Latch 76mm	SC
SSLO 87.1013.24	Case Latch 76mm	PB

Locks



Bathroom lock

reversible latch bolt

brass dead bolt

suitable for bolt through furniture 38mm centres

8mm follower

Flat striking plate

Case size 108x63mm or 76mm

Backset 44mm or 57mm

Follower centre to keyway centre 57mm

Faceplate 156mmx23mm

SSLO 87.105.590	Bathroom lock 63mm	NP
SSLO 87.105.589	Bathroom lock 63mm	EB
SSLO 87.105.592	Bathroom lock 76mm	NP
SSLO 87.105.591	Bathroom lock 76mm	EB

Bathroom lock Heavy duty

reversible latch bolt

brass dead bolt

suitable for bolt through unsprung furniture

8mm follower

Flat striking plate

Case size 102x63mm or 76mm

Backset 44mm or 57mm

5mm WC follower

Follower centre to keyway centre 57mm

SSLO 87.101.290	Bathroom lock 63mm	SC
SSLO 87.101.291	Bathroom lock 63mm	PB
SSLO 87.101.293	Bathroom lock 76mm	SC
SSLO 87.101.294	Bathroom lock 76mm	PB

Also available with 8mm WC follower



Locks

DIN Lock cases

A range of lock cases for commercial & health care situations requiring compliance with DDA recommendations

DIN standard lock cases. 55mm backset 72mm centres



	finish	Catalogue no
Mortice sash lock case	SS	SSLO 48.167.255
Mortice dead lock case	SS	SSLO 48.160.055
Mortice night latch case	SS	SSLO 48.161.816
Mortice latch	SS	SSLO 48.161.655
Mortice bathroom lock	SS	SSLO 48.167.855
Escape sash lock case	SS	SSLO 48.169.237
Rebate set 12.5mm	SS	SSLO 48.220.1

Sash lock tested to BSEN12209:2003
included in fire test to BS1634-1.
CE marked.

3	X	8	1*	0	G	2	B	C	2	0
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Ratings for other lock cases available

DIN standard lock cases 60mm backset 72mm centres



	finish	Catalogue no
Mortice sash lock case	SC	SSLO 87.107.853
Mortice dead lock case	SC	SSLO 87.107.865
Mortice latch	SC	SSLO 87.107.859
Mortice night latch case	SC	SSLO 87.107.877
Bathroom lock	SC	SSLO 87.107.871
Escape sash lock	SC	SSLO 87.107.883
Rebate set 12.5mm	SC	SSLO 91.727.13

Escape locks provide both dead bolt security and single action exit facilities. These versatile escape locks can be handed on site to provide left or right hand operation for open in or out situations
Escape sash locks are also type tested to BSEN179. To comply with EN179 test procedures please ask for details of suitable lever furniture tested for use with these escape locks.

Locks

UK profile lock cases

Medium duty lock case range suitable for use in domestic and light commercial situations where DDA compliance is not required.



Mortice sash lock cases

		Catalogue no.
Europrofile sash lock case 67mm	SC	SSLO 87.101.308
Europrofile sash lock case 76mm	SC	SSLO 87.101.311
Oval profile sash lock case 67mm	SC	SSLO 87.101.296
Oval profile sash lock case 76mm	SC	SSLO 87.101.299

Mortice Dead lock cases

		Catalogue no.
Europrofile dead lock case 67mm	SC	SSLO 87.101.314
Europrofile dead lock case 75mm	SC	SSLO 87.101.317
Oval profile dead lock case 67mm	SC	SSLO 87.101.302
Oval profile dead lock case 76mm	SC	SSLO 87.101.305



Sash lock and dead lock cases are also available with brass fore ends and keep plates and to take oval profile cylinders.

Mortice night latch case

Non-deadlocking



Oval profile mortice night latch case 67mm	SC	SSLO 25.18233.203
Oval profile mortice night latch case 67mm	SC	SSLO 25.18233.204
Oval profile mortice night latch case 76mm	PB	SSLO 25.18233.205
Oval profile mortice night latch case 76mm	PB	SSLO 25.18233.206

Rebate sets

	SC	PB
Rebate set 13mm for sash lock case	SSLO 87.102.651	SSLO 87.102.650
Rebate set 25mm for sash lock case	SSLO 87.102.654	SSLO 87.102.653
Rebate set 13mm for Dead lock case	SSLO 87.102.657	SSLO 87.102.656
Rebate set 25mm for Dead lock case	SSLO 87.102.660	SSLO 87.102.659
Rebate set 13mm for mortice night latch	SSLO 87.299.223	SSLO 87.299.220

Locks

Rim Night latches

Auto deadlocking rim night latch

Available in 40mm and 60mm backsets this lock both deadlocks automatically when the door is shut & has a deadlocking handle facility



	Standard Stile 60mm backset	Narrow Stile 40mm backset
SC/SC	SSLO 92.25193.35	SSLO 92.25183.35
SE/PB	SSLO 92.25194.31	SSLO 92.25184.31
BP/PB	SSLO 92.25193.31	SSLO 92.25183.31

Deadlocking night latch

Available in 40mm and 60 mm backsets this night latch is dead lockable by a reverse turn of the key in the outside cylinder.



	Standard Stile	Narrow Stile
SE/SC	SSLO 85.423.78	SSLO 85.423.99
BP/PB	SSLO 85.423.85	SSLO 85.424.06

A full range of Union Yale and ERA night latches available

Locks

Latches Domestic duty



SSLO 85.008.82	Tube latch 63mm	NP
SSLO 85.008.79	Tube latch 63mm	EB
SSLO 85.008.96	Tube latch 75mm	NP
SSLO 85.008.89	Tube latch 75mm	EB

Domestic Duty CE marked for use on fire doors

Type tested to BSEN 12209 & included on fire tests to BSEN 1634-1 for use on fire doors. Suitable for use with bolt fix furniture



1	C	5	1	0	F	-	B	0	N	0
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SSLO 24.256.791	Tube latch 75mm	NP
SSLO 24.256.792	Tube latch 75mm	EB

Heavy sprung

Suitable for use with unsprung bolt fix furniture



SSLO 87.1059.00	Tube latch 63mm	SC/PB
SSLO 87.1013.29	Tube latch 76mm	SC/PB
SSLO 87.1013.32	Tube latch 100mm	SC/PB
SSLO 87.1013.45	Tube latch 128mm	SC/PB

Tubular bathroom dead bolt



SSLO 87.1013.38	Heavy duty dead bolt 76mm	SC/PB
SSLO 87.1013.41	Heavy duty dead bolt 100mm	SC/PB

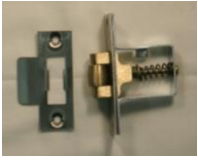
Rebate set for Tube latches



SSLO 22.623.1	Rebate set 12mm	NP
SSLO 22.623.2	Rebate set 12mm	EB

Locks

Adjustable Roller Catches Heavy Duty 32x45mm



SSS	SSLO 14.1680.91	Adjustable roller catch
PB	SSLO 14.1680.90	Adjustable roller catch

Domestic Duty



NP	SSLO 23.310.1	Adjustable roller catch
EB	SSLO 23.310.2	Adjustable roller catch



Double ball catches

SSLO 23.110.05	Double ball catch 40mm	Brass
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Larger sizes available



Magnetic catches

SSLO 23.510.05	Magnet 6kg pull	White
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Locks

Cupboard locks



Triangular nozzle lock	SSLO 71.2660	Black/CP
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Cam Locks



We can offer a wide range of cam locks. Please specify purpose, nozzle length, cam length and offset required.

Push Button Locks



Various sizes and pin lengths are available.
Please contact us with full details of your requirement

ZA Locks



Please contact us with full details of your requirement

Rack bolt and Keys



	EB	White
Rack bolt 40mm	SSLO 71.2800.19	SSLO 71.2800.11
Rack bolt 60mm	SSLO 71.2800.29	SSLO 71.2800.21
Rack bolt key Grey/EB	SSLO 71.2159.3	

Locks

Cylinders



5 pin cylinders standard differs

Euro profile cylinders

	40mm PB	40 mm NP	45mm PB	45mm NP
Euro single cylinder	SSCE 85.617.33	SSCE 85.617.40	SSCE 85.617.47	SSCE 85.617.54
	63mm PB	63 mm NP	71mm PB	71mm NP
Euro cylinder & thumb turn	SSCE 85.616.91	SSCE 85.616.98	SSCE 85.617.05	SSCE 85.617.12
Euro double cylinder	SSCE 85.616.56	SSCE 85.616.63	SSCE 85.616.70	SSCE 85.616.77

Oval profile cylinders

	40mm PB	40 mm NP	45mm PB	45mm NP
Oval single cylinder	SSCO 85.623.63	SSCO 85.623.70	SSCO 85.623.77	SSCO 85.623.84
	63mm PB	63 mm NP	71mm PB	71mm NP
Oval cylinder & thumb turn	SSCO 85.623.28	SSCO 85.623.35	SSCO 85.623.42	SSCO 85.623.21
Oval double cylinder	SSCO 85.624.05	SSCO 85.624.12	SSCO 85.624.19	SSCO 85.624.26

Rim Cylinders

	PB	NP		
Rim cylinder	SSCR 85.616.28	SSCR 85.616.35		

5 pin cylinders keyed alike

Euro profile cylinders keyed alike

	40mm PB	40 mm NP	45mm PB	45mm NP
Euro single cylinder KA	SSCE 87.100.830	SSCE 87.100.831	SSCE 87.100.832	SSCE 87.100.833
	63mm PB	63 mm NP	71mm PB	71mm NP
Euro cylinder & turn KA	SSCE 87.100.824	SSCE 87.100.825	SSCE 87.100.826	SSCE 87.100.827
Euro double cylinder KA	SSCE 87.100.818	SSCE 87.100.819	SSCE 87.100.820	SSCE 87.100.821

Oval profile cylinders keyed alike

	40mm PB	40 mm NP	45mm PB	45mm NP
Oval single cylinder KA	SSCO 87.100.842	SSCO 87.100.843	SSCO 87.100.844	SSCO 87.100.845
	63mm PB	63 mm NP	71mm PB	71mm NP
Oval cylinder & thumb turn KA	SSCO 87.100.836	SSCO 87.100.837	SSCO 87.100.838	SSCO 87.100.839
Oval double cylinder KA	SSCO 87.100.848	SSCO 87.100.849	SSCO 87.100.850	SSCO 87.100.851

Locks

A range of master key systems are available to suit specific project security requirements. Shown below is a patent protected 6 pin system which meets the need of commercial systems where medium level security systems are needed. High level systems are available. We would be pleased to discuss your requirements.

6 pin patent protected cylinders under master key

Europrofile cylinder under master key. Supplied with 2 keys per differ

	45mm PB	45mm NP
Euro single cylinder UMK	SSCE 87.452.207	SSCE 87.452.187
	71mm PB	71mm NP
Euro cylinder & thumb turn UMK	SSCE 87.430.207	SSCE 87.430.187
Euro double cylinder UMK	SSCE 87.410.207	SSCE 87.410.187

Oval profile cylinders under master key. Supplied with 2 keys per differ

	45mm PB	45mm NP
Oval single cylinder UMK	SSCO 87.457.207	SSCO 87.457.187
	71mm PB	71mm NP
Oval cylinder & thumb turn UMK	SSCO 87.437.203	SSCO 87.437.187
Oval double cylinder UMK	SSCO 87.417.207	SSCO 87.417.187

Master keys for 6 pin cylinder	SSCK 87.401.715
Sub-master keys for 6 pin cylinder	SSCK 87.402.315
Additional servant keys for 6 pin cylinder	SSCK 87.402.316

Scandinavian oval cylinders also available.

For other cylinder lengths and offset cylinders please ask for details