

Product Guide





About Us & Contents

The **Borg** range of mechanical and electronic access controls are the product of over 17 years of market experience. With an emphasis on functionality, performance and quality Borg has strived to develop products that meet the requirements of specialist applications. This has resulted in an extensive range of mechanical products that allow us to offer a product for almost every timber, steel, aluminium and PVC application.

Borg has continued to develop new products for applications where an affordable access control had not been previously available. The latest in this line is the new BL600e series. This features an entirely new concept of electronic keypad and proximity reader; as well as having a 45mm wide body to suit the narrowest of door applications.

The Borg Numbering System

In tandem with our expanding range we have standardised the product numbering system to simplify the diffrent permutations that we offer throughout each lock series.

First Digit - Series Number

The initial number denotes the product series.

Second Digit - Special Feature or Handle Type

The second number identifies the special feature or handle style that the lock may have, for example a 2201 has the hold back feature whereas a 2001 does not.

Third Digit - Single Keypad or Back to Back (Locking device for electronic models)

The Third number indicates whether the unit has one keypad or is back to back. This digit will either be a '0' for when only one keypad is required or a repeat of the series number to denote back to back keypads. For example: the 2001 is a single keypad with a non-holdback inside handle and latch; whereas a 2021 is a pair of keypads with a latch.

Last Digit - Locking Device

The final digit indicates the type of locking device is supplied i.e. lockcase or latch.

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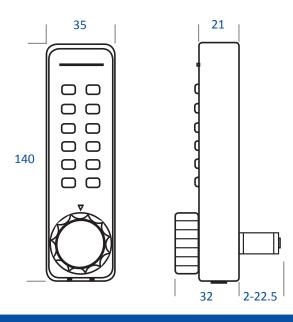


Specification

Specification	
Power supply:	3v 2 standard AAA alkaline batteries
Battery life:	15,000 openings / cycles
Operating humidity:	20-80%
Operating temprature:	-10 +60°C
Open time:	Use valid pin to unlock door between a changeable 1-9 seconds
Low power warning:	When the battery is low the red LED will blink three time before the blue LED blinks accepting the code
Battery override:	PP3 battery terminal on the underside of keypad in the event of power failure
Capacity:	1 master code , up to 30 user codes
PIN length:	3-6 digits
IP Rating:	IP54 (when fitted with optional gasket)



Satin Chrome



- Concealed key override behind knob turn (keyed alike/differ)
- Over 1m code combinations possible
- Ten second lockout after three incorrect code attempts
- Suitable for doors 2 22.5mm thick
- Non-volatile memory
- Non-handed keypad easily reversible on site
- External battery terminal in the event of power failure
- Up to 30 users with unique access codes
- IP54 rated when fitted with optional gasket



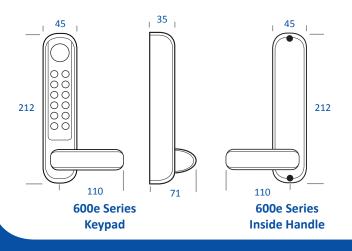


Specification

Specification	
Power supply:	6v 4 x AA batteries
Battery life:	100,000 openings / cycles or 10 years
Operating humidity:	20-80%
Operating temprature:	-10 +60°C
Open time:	Use valid pin or card to unlock door between a changeable 3-10 seconds
Low power warning:	An audible and visible low battery warning. The lock will continue to operate for up to 200 cycles after the first warning.
Battery override:	PP3 battery terminal on face of keypad in the event of power failure
Cards supplied:	5 encrypted cards with each unit (additional available)
Additional cards:	Programmable via the keypad
Capacity:	Up to 1000 combined cards or PINs
PIN length:	3-6 digits
One time users:	20 PINs
IP Rating:	IP54
Audit trail:	Models available with audit trail function. Data collection would be via a handheld collection device via IR wireless connection
Remote code	User can call /SMS text/log on to a website and

Available Finishes





Features

distribution:

- Unique card encryption prevents card copying
- Audit trail version, offers single use card, code expiry and timed access

is instantly be issued with a PIN code

- Easy installation and simple operation
- Sealed card reader unit and keypad is resistant to vandalism and weathering
- Key override available with lockcase model (BL603)
- Over 1m code combinations possible
- Narrow 45mm wide housing perfect for PVC, aluminium, composite or wood
- Extension kit available for PVC retro-fit applications
- Free turning lever handle until the correct code is entered
- Free passage function
- Available with a range of latches and lockcases





Available Finishes



Satin Chrome



Polished Brass



Polished Chrome



2005 Rim Deadbolt





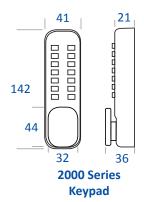


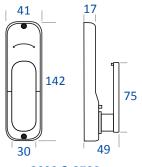


The BL2000 series is a range of fully mechanical pushbutton coded locks. The ergonomic design and simple operating procedure ensures access for authorised personnel only. Automatic locking until correct code is entered, anti-thrust latch plus over 8,000 different combinations to choose from provide greater security.

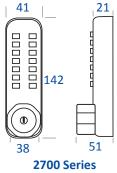
Features

- Patented load plate design eliminates code cracking attempts
- Cycle tested to 50,000 operations
- 60mm tubular latch supplied as standard (50 & 70mm available)
- 28mm narrow stile ali-latch available (see page 20)
- Optional holdback function (2201,2701 and 2202 models)
- Non-handed keypad-easily reversible on site
- Early clear function
- Over 8000 code combinations available
- Adaptor kit available to retrofit Unican 7014

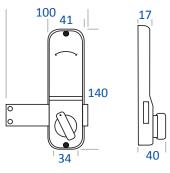




2000 & 2700 **Models Inside Handle**



Keypad



2005 Model **Rim Deadbolt**





Available Finishes



Satin Stainless



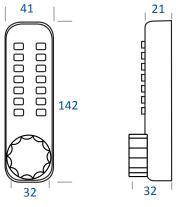


Fire Tested Model

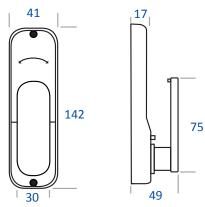


Our Codestar range of mechanical push button coded locks are all engineered and manufactured to the highest standard, using premium grade components, many of which are made from stainless steel for greater longevity. The range is finished to the highest standards using the latest technology enabling Borg to offer a guarentee against faulty materials or workmanship. Each model has been cycle tested to more than 100,000 operations, further guaranteeing their durability and strength.

- Patented load plate design eliminates code cracking attempts
- Retro-fits virtually all 130mm fixing centred equivalent locks
- Cycle tested to 100,000 operations
- PVD coated finish
- Suitable for sheltered external applications
- 60mm latch as standard (28, 50 & 70mm available)
- Optional holdback function (2501 model)
- Non-handed keypad-easily reversible on site
- Over 8000 code combinations available
- Adaptor kit available to retrofit Unican 7014



2500 Series Keypad



2500 Series Inside Handle





Easi Code







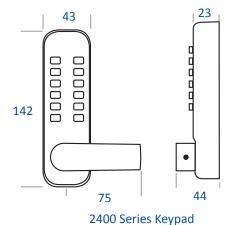


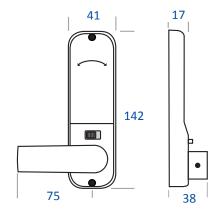
The BL2400 easicode series represents a medium duty range of access controls, suitable for applications where frequent code change is required. No longer will it be necessary to have to fiddle about with removing tumblers; the code can be changed in the hand with a simple push and twist with the code change tool provided.

The BL2400 series has been designed as a direct lever handle upgrade for our own standard BL2000 and competitors equivalent 2000 style models. The BL2400 series offers the benefit of a lever handle, a holdback function on the inside handle and a free turning handle until the correct code is entered.

Features

- New easicode changing method no tumblers to remove
- Retro-fits virtually all 130mm fixing centred equivalent locks
- Easy grip lever handle
- Patented load plate design eliminates code cracking attempts
- Cycle tested to 50,000 operations
- 60mm latch as standard (28, 50 & 70mm available)
- Optional holdback function (2401 HB model)
- Non-handed keypad-easily reversible on site
- Over 2000 code combinations available
- Free turning handle until the correct code is entered
- Adaptor kit available to retrofit Unican 7014





2400 Series Inside Handle

Satin Chrome



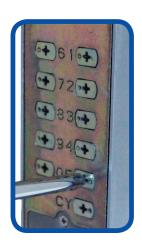














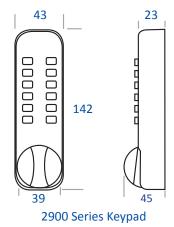






The BL2900 easicode series is the ideal retro-fit upgrade for our own standard BL2000 and competitors equivalent 2000 style models, where frequent code changing is required. No longer will it be necessary to have to fiddle about with removing tumblers; the code can be changed in the hand with a simple push and twist with the code change tool provided for each button. Using our patented load plate design the BL2900 is also secure; so it won't be possible to determine the code by button feel; making the BL2900 the securest option for lower traffic applications.

- New easicode changing method no tumblers to remove
- Retro-fits virtually all 130mm fixing centred equivalent locks
- Easy grip anti-ligature knob turn
- Patented load plate design eliminates code cracking attempts
- Cycle tested to 50,000 operations
- 60mm latch as standard (28, 50 & 70mm available)
- Optional holdback function (2901 HB model)
- Non-handed keypad-easily reversible on site
- Over 2000 code combinations available
- Adaptor kit available to retrofit Unican 7014



142 142 75

2900 Series Inside Handle

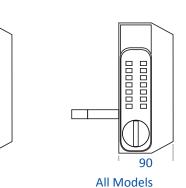




Available Finishes



Black (MG Pro)









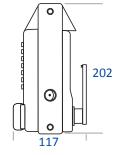


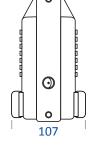
The BL3000 metal gate lock series is another unique product from Borg. Combining a specially designed lockcase with our proven Marine Grade keypads we are able to offer the perfect access control solution for box section metal gates. The lockcase utilises a forend fixing system which increases security and ease of fitting.

The self-locking system has been designed with adjustability and ease of fitment in mind; the latchbolt can be adjusted to suit a variety of box section profiles whilst the latchbolt head is reversible to suit left and right hand hung gates.

Features

- To suits gate profiles 30-60mm on standard fixings
- DKO models now available with override and deadbolt function as standard
- XL latchbolt available to suit profiles up to 120mm (part no. S311a)
- Anti-climb housing & knob turn
- Over 8000 code combinations available
- Easily reversible on site
- Simple installation, two telescopic fixings
- 1000 hours salt spray tested
- Spring loaded latch; adjustable between 65-80mm
- Security fixings
- 20mm bolt withdrawal





3100 & 3100DKO Models

3130 & 3130DKO Models

All Models

65-80

0000000

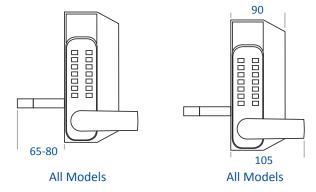




Available Finishes



Black (MG Pro)







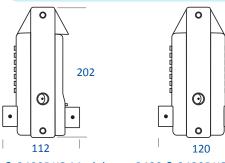




The BL3000 metal gate lock series is another unique product from Borg. Combining a specially designed lockcase with our proven Marine Grade keypads we are able to offer the perfect access control solution for box section metal gates. The lockcase utilises a forend fixing system which increases security and ease of fitting.

The self-locking system has been designed with adjustability and ease of fitment in mind; the latchbolt can be adjusted to suit a variety of box section profiles whilst the latchbolt head is reversible to suit left and right hand hung gates.

- To suits gate profiles 30-60mm on standard fixings
- DKO models now available with override and deadbolt function as standard
- Free turning handle until the correct code is entered
- XL latchbolt available to suit profiles up to 120mm (Part no. S311a)
- Anti-climb housing
- Over 8000 code combinations available
- Easily reversible on site
- Simple installation, two telescopic fixings
- 1000 hours salt spray tested
- Spring loaded latch; adjustable between 65-80mm
- Security fixings
- 20mm bolt withdrawal



3400 & 3400DKO Models 3430 8

3430 & 3430DKO Models











The BL4400 Series is a medium-heavy duty range specifically designed for use on external wooden and timber gate applications. Each model in the series uses the same free turning lever handle keypad from the popular BL3400 series; however supplied with a range of latches to suit wooden and timber gates.

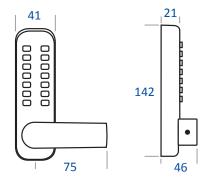
Sharing the same footprint as the BL2600 series models the BL4400 series can be used as a medium-heavy duty lever handle upgrade. All units are supplied with fixing kits to suit door thicknesses up to 80mm.



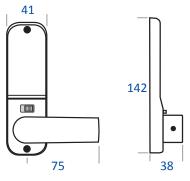
Available Finishes

Black (MG Pro)

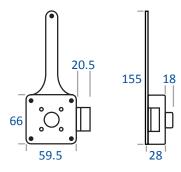
- Designed for use on wooden/timber gates and sheds
- Free turning handle until the correct code is entered
- 4409 available with rim fixed latch
- 4402 and 4442 models supplied with 28mm backset narrow stile latch
- 4401 and 4441 models supplied with 60mm tubular latch (50mm and 70mm available)
- Non-handed keypad-easily reversible on site
- Over 8000 combinations possible
- Optional holdback function (excl. 4409)
- All model available as back to back (excl. 4409)
- New black Marine Grade Pro finish
- 1000 hours salt spray tested



4400 Series Keypad



4400 Series Inside Handle



4409 Model Rim Fixed Slam Latch





The New BL5000 Series is a range of mechanical pushbutton coded locks designed for applications where medium to heavy duty usage is expected.

The new and improved BL5000 series design now offers a strengthened clutch and coding chamber as well as a new style of flat bar lever handle (old style round bar still available) This new model surpasses its predecessor and all other 5000 copies in the market.

Available in a number of different permutations there is a BL5000 series unit to suit almost every internal or external medium to heavy duty application.

Available Finishes



Satin Chrome



Satin Stainless



Polished Brass



- New and improved clutch and coding chamber design.
- Clutched keypad handle
- Cycle tested to 100,000 operations
- Over 2000 code combinations available
- Optional Free passage function
- PVD coated finish
- Suitable for sheltered external applications
- Non-handed keypad-easily reversible on site
- Compatible with leading brands of panic hardware (5408 models)
- Suitable for DDA applications (round bar handle models)



Handle Styles Available







Locking Devices & Specialist Models











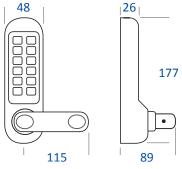




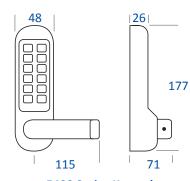
Fire Tested Models



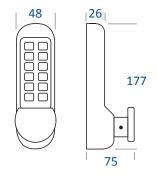




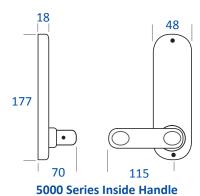
5000 Series Keypad

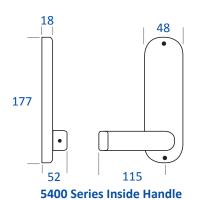


5400 Series Keypad



5100 Series Keypad









The Marine Grade Series offers a comprehensive range of mechanical access control solutions that have been developed specifically for marine applications whereby compliance to the ISPS code is essential. The Marine Grade series offers the perfect solution for applications where it is not possible or convenient to use an electronic or key driven access control.

Manufactured to the highest standards using stainless steel for all of the critical internal components the Marine Grade series has undergone extensive testing to ensure that the coding chamber is resistant to salt water corrosion. The exterior bodies have been MG Pro (Black) plated using a special e-plating process that has been successfully salt spray tested to over 1000 hours; which is guaranteed to last in the most arduous of conditions

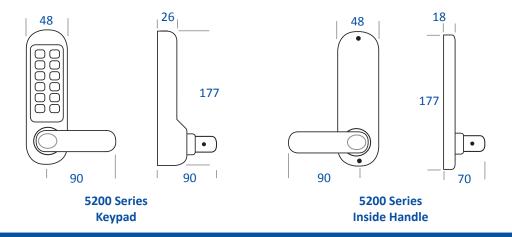
Features

- Weatherproof design
- 1000 hour salt spray tested
- ISPS compliant
- Cycle tested to 100,000 operations
- Non handed units-easily reversible on site (excludes the 2615 model)
- Optional free passage function (5200 models)
- Clutched keypad handles (5200 models)
- Holdback function (2601 & 2701 models)
- Back to back keypad models available (2621 & 5251 models)
- Over 2000 code combinations available (5200 models)
- Over 8000 code combinations available (2600 & 2700 models)

Available Finishes



Black (MG Pro)





Medium Duty Models









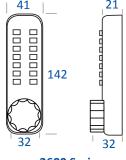


Medium-Heavy Duty Models

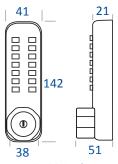




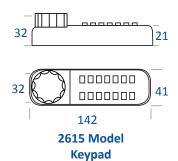


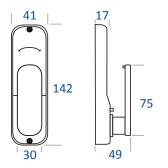


2600 Series Keypad

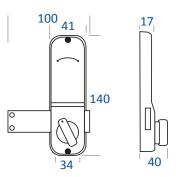


2700 Series Keypad





2601 & 2701 Models Inside Handle



2605 Model Rim Deadbolt

















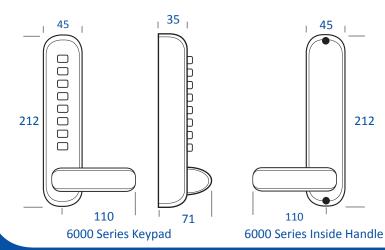
See Page 21

The BL6000 series is a new and unique coding system designed, engineered, manufactured and assembled in our factory. Incorporating a single column of 8 buttons, the 6000 offers a patented high security double button press-coded method of access control. Each digit can be set as a one or two button press and therefore the same digit can be set twice in the code.

With a body width of just 45mm the 6000 is primarily designed to be fitted onto narrow stile door sections be it PVC, aluminum, composite or wood. The free turning handle is permanently clutched to provide no handle resistance until the correct code is entered.

Features

- Patented double button press design allowing a greater level of security
- Over 2100 different code combinations
- 70° handle rotation ideal for multi-point locks
- Free turning handle until the correct code is entered
- No tumbler or pins to remove to change code
- 196mm fixing centres
- Optional Free Passage Function
- Narrow housing perfect for PVC, aluminium, composite or wood
- Tested to over 100,000 cycles
- Suitable for external applications



White

Available Finishes

Satin Chrome Satin Stainless







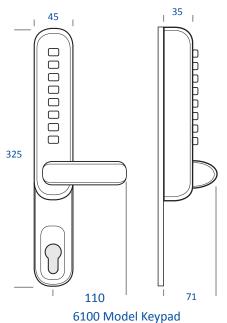


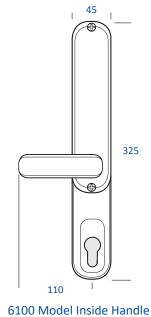
The new 6000 Series is available in two main models; the BL6000M which is supplied with a separate escutcheon allowing it to work with a range of third party lockcases, latches as well as a large majority of multi-point locks.

The BL6100 model incorporates an extension plate fitted behind the keypad and inside handle making it suitable for use with 90 & 92mm centred multi-point locks and covers virtually all existing holes in the door.

The BL6100 offers a perfect retro-fit upgrade from a standard set of lever handles for PVC or composite doors; fitted using the existing fixing centres the unit can be adapted to suit a number of different locking centres.

- Suitable for use with 90 & 92mm centre multi point locks
- 325mm extension plate fitted behind both keypad & inside handle to cover any existing holes
- 70° handle rotation ideal for multi-point locks
- Over 2100 different code combinations
- Free turning handle until the correct code is entered
- No tumbler or pins to remove to change code
- 195mm fixing centres
- Optional free passage Function
- Narrow housing perfect for PVC, aluminium, composite or wood
- Tested to over 100,000 cycles
- Suitable for external applications





Available Finishes







Since the introduction of the **BL7000 easicode series** to the Borg range in 2011, it has established itself as an extremely popular and reliable model of access control. Designed and built to meet a heavy duty specification, which is ideal for high traffic areas.

Sharing the same footprint as the Unican 1000 & 5000 as well as our own BL5000 series, the BL7000 series is perfect for retro-fit solutions.

Code changing is completed on the door in a matter of seconds making it ideal for situations where regular code changes are necessary; both code changing and free passage are actuated from the inside handle preventing unauthorised code change attempts.

A free access mode and an un-clutched free acting handle complete the BL7000 series heavy duty specification.

Available Finishes



Easi Code







- Unican 1000 & 5000 series retro-fit
- On the door code changing
- Heavy duty specification, ideal for high traffic environments
- Free turning handle until the correct code is entered
- Over 2000 code combinations available
- Free passage function
- Borg BL5000 series retro-fit
- Stainless steel coding chamber components
- Suitable for external applications
- 100,000 cycle tested
- Non-handed keypad-easily reversible on site
- Decor plates available to cover any existing holes in door (part no. S701)



Handle Styles Available





Locking Devices Available









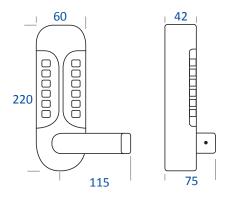




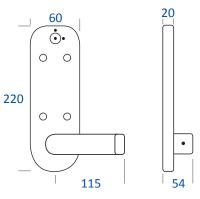
Fire Tested Models







220 00 00 80



7000 Series Keypad

7100 Series Keypad

7000 Series Inside Handle

7000 Series On Door Code Changing



Enter the code





dot to the 12 o'clock positioned black dot.

Turn the code change cam on the inside handle from the 9 o'clock positioned black



Turn the keypad handle to clear the old code.



Enter the new code.



Turn the code change cam back to the 9 o'clock positioned black dot.

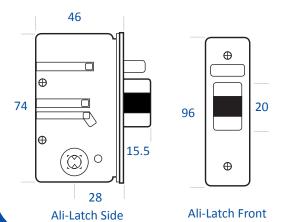
Ali-Latch models



The new Aluminium Latch Series has been specifically designed for narrow stile aluminium section. Suitable for use with either single or pairs of doors and compatible with electric strike systems for situations where remote controlled access is required.

Key features include hardened steel pins to reinforce both the latch bolt and the anti-thrust pin and now available with a square spindle follower to allow the Ali-Latch to work in conjunction with the BL5000 and BL6000 series range of locks.

Available with a standard keypad without the holdback function on the inside handle (2002), a holdback version (2202), a back to back version (2022) and a key override model (2702) which is ideal for maintenance personnel. The 5402 offers a full size lever handle with a free passage function and the 6002 also offers a full size lever handle which is free turning until the correct code has been entered which is well suited for high traffic situations.



Light Duty Models









Medium-Heavy Duty Models







- Compact design latch
- Suitable for narrow stile aluminium or wooden doors
- Separate anti-thrust pin
- Compatible with electric strikes
- Reinforced latch & anti-thrust pin
- 28mm Backset
- Low friction Nylon latch bolt insert
- 15.5mm latch bolt projection
- 50,000 cycle tested











2500 FT SS Keypad

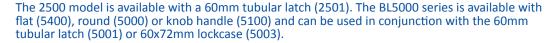
5400 FT SC Keypad

6000 FT SC Keypad

7000 FT SC Keypad

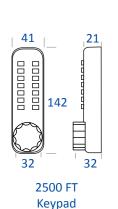
A successful fire resistance test was carried out by BM Trada for 30 and 60 minutes in accordance with **BS EN1634-1** and **BS EN1363-1**. For full details of scope, please refer to the results of the test document on our website or you can request a copy of the full fire test report by e-mailing us at sales@borglocks.com.

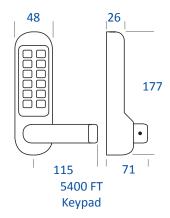
The four different series included in the fire test were the: 2500, 5000, 6000 and 7000 series models. The tested models will be supplied with all the relevant fixings necessary for fitting to either a 30 and 60 minute fire doors. Each unit includes stainless steel fixings and the intumescent kit pre-fitted to the latch/lockcase and strike plate.

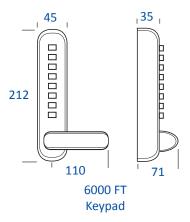


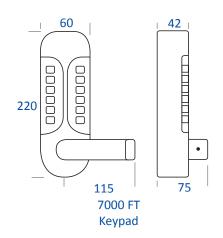
The BL6000 and BL7000 series are also available with the tubular latch (6001/7001) and lockcase (6003/7003) and the 7000 series is also available with the knob handle (7100) if required.















The new BL9000 series is an entirely new concept in digital push button locking; until now there has been no British Standard for a mechanical digital push button lock. Borg are proud to announce the introduction of the BL9000 series which has been designed to meet the requirements the new BS 8607:2014 standard.

Features

- Designed to meet the requirements of BS8607:2014
- Robust stainless steel constructed shield for greater security
- BL9006 model designed to meet grade 4AL
- BL9001 & 9003 models designed to meet grade 3 & 4
- 4 point fixing attack tested keypad
- Over 6,500 genuine code combinations
- 20mm latch bolt projection with anti-thrust pin and strengthened to resist side and end load forces (9006 model)
- Patented anti-tamper latch-if the keypad is forcibly removed, the latch bolt cannot be withdrawn
- Patented double button press design allowing a greater level of security
- Free turning handle until the correct code is entered
- No tumbler or pins to remove to change code
- 100,000 cycle tested

Available Finishes



Satin Stainless









BS 8607:2014 - Mechanically operated push button locksets

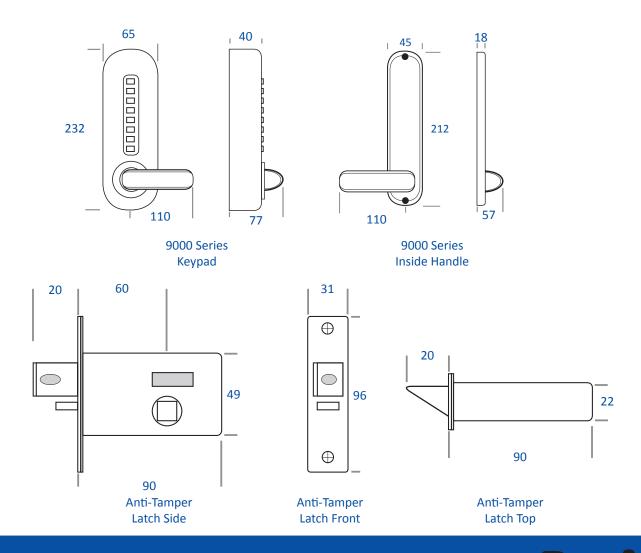
BS 8607:2014 specifies the requirements and test methods for durability strength and function of mechanically operated push button locksets and their locking plates for use on doors, window doors and entrance doors in buildings.

Application Grades

The product shall be designated Grade 1, 2, 3, 4 or 4AL according to the following intended applications:

- Grade 1: internal applications where users have a high incentive to exercise care and where the expected usage is low.
- Grade 2: internal applications where users have a high incentive to exercise care and where the expected usage is high.
- Grade 3: applications where abuse and usage levels are expected to be high, and there is an element of security.
- Grade 4: application where security, abuse and usage levels are expected to be high.
- Grade 4AL: exactly as Grade 4 except that security requirements are achieved using an integral additional locking unit.

Source: BSI Standard Publication - Mechanically operated push button locksets - Requirements and test methods - BS 8607:2014





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