JOB DONE
UP TO 10 YEAR GUARANTEE

#1 for perfomance and reliability.

Keeping people safe and secure where they work, rest and play.

#1briton

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Briton

Exit Hardware Classifications Guide

CEN standards explained:

It is mandatory in the European Union for all exit devices to comply with the latest revisions of EN1125:2008 & EN 179:2008.

EN 1125

Applies to **PANIC** applications where the exit door is used by public and provides.

"Safe and effective escape through the doorway with minimum effort and without prior knowledge of operation"

DANGER OF PANIC

Typical Applications: Schools, hospitals, theatres etc.

EN 179

Applies to **EMERGENCY** applications where the exit door is used by trained personnel who

"Are familiar with the emergency exit and its hardware and therefore a panic situation is unlikely to appear"

NO DANGER OF PANIC

Typical Applications: Offices, Small Apartments etc.

EN classification codes

Under both standards (EN 1125 and EN 179), each product is classified and graded to identify the level of compliance within each category. These classifications are set out below with the additional element of 'Field of Door Application' introduced in the 2008 edition of EN 1125 and EN 179 shown highlighted.

It is mandatory for manufacturers to mark all panic and emergency exit devices with the new CE classification to prove compliance with the latest standards.

There are 3 ways to be sure exit hardware meets the CE mark criteria:

1. CE certificates are readily available for inspection.
2. Products are regularly tested within a UKAS accredited testing facility as part of an ongoing audit test programme.
3. Products are manufactured on a production line that has been inspected and accredited under FPC (Factory Process Control) conditions, a further requirement of the CE marking process. This ensures that correctly specified materials and manufacturing methods are consistently employed.

3 3
Category of use
Class 3 = high frequency of use by public and others withlittle incentive to exercise care.

7 6-7
Durability (Cycle Testing)
Grade 6 - 100,000 cycles
Grade 7 - 200,000 cycles

6 5-7
Door size/mass
Class 5 - doors up to 100kg
Class 6 - doors up to 200kg.
Class 7 - doors over 200kg.

B 0-A-B
Fire Resistance (EN 1634)
Grade 0 - not approved for fire/smoke door use
Grade A - approved for smoke door assemblies
Grade B - approved for use on fire & smoke door assemblies

1 1
Safety
All door closers are required to satisfy the essential requirement of safety in use - only grade 1 is identified.

3 3-4
Corrosion Resistance (EN 1670)
Grade 3 - high resistance
Grade 4 - very high resistance.

2 2-5
Security
EN 1125 - Grade 2 - up to 1000N.
EN 179 - Grade 2 - 1000N
- Grade 3 - 2000N
- Grade 4 - 3000N
- Grade 5 - 5000N

2 1-2
Projection of Device
Class 1 - projection up to 150mm
Class 2 - projection up to 100mm

A A-B
Type of Operation
EN 1125 Type A - 'push bar' operation
Type B - 'touch bar' operation
EN 179 Type A - 'lever handle' operation
Type B - 'push pad' operation

A A-C
Field of Door Application
Category A - Single/Double door. Active or inactive leaf
Category B - Single door only
Category C - Double door only. Inactive leaf only

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Which exit device is right for your application?

5 YEAR GUARANTEE

Briton 378
Push Bar Panic Latch
Certified to EN 1125 and CE marked



For Single Doors
- Easy to install
- Supplied in left or right hand, but can be reversed on site
- Suitable for doors up to 1300mm wide
- Can be used with rim cylinder fitted to the outside of the door

Briton 376
Push Bar Panic Bolt
Certified to EN 1125 and CE marked



For Single Doors
- Two point locking for extra security
- Suitable for doors up to 2500mm high x 1300mm wide (extension rods are required to achieve the maximum sizes)

Briton 379.N
Push Bar Panic with Mortice Nightlatch
Certified to EN 1125 and CE marked



For Single Doors
- Supplied right hand (reversible on site)
- Suitable for doors up to 1300mm wide
- Supplied with dual profile cylinder mortice nightlatch, accepts both euro and oval profile cylinders (cylinder not supplied)
- Anti-thrust device prevents unauthorised retraction of the latch bolt
- Optional models include alarmed and manually dogged (hold open) functions

Briton 377
Push Bar Panic for Double Rebated Doors
Certified to EN 1125 and CE marked



For Double Rebated Doors
- Single package that can be used on double rebated doors
- Consisting of a Briton 376 panic exit bolt, 378 panic exit latch and a 378DDS double door strike in one convenient pack
- Supplied in left or right hand, but can be reversed on site

Briton 1438
Push Pad Emergency Latch
Certified to EN 179 and CE marked



For Single Doors
- Supplied in left or right hand, but can be reversed on site
- Security - Grade 4: 3,000 Newtons
- Double door strike available for double rebated door applications
- Can be used with a rim cylinder fitted to the outside of the door

Briton 372
Push Pad Emergency Bolt
Certified to EN 179 and CE marked



For Single Doors
- Two point locking for extra security - Security - Grade 4: 3,000 Newtons
- Suitable for doors up to 2500mm high (extension rods are required to achieve the maximum sizes)
- Supplied with an easy clean socket

2nr TIMBER 4nr STEEL

Key: Level of security

Located in a Public Area - Certified to EN 1125

Located in a Non Public Area - Certified to EN 179

CE all products are CE certified

Need Access from Outside?

- Lever (1413.LE) or knob (1413.KE) operated version
- Supplied with Euro profile cylinder as standard
- A combination of market trends and the effect of The Equalities Act (DDA) has resulted in an increase in demand for lever operation
- Lever supplied loose to allow easy on-site handing
- Briton 9260 digital code lock option with lever operation
- Over 8000 non sequential code options
- Suitable for single and double door applications.



1413.LE 1413.KE 9260

Technical data

Push bar device - 560 Series

The main and end casings are steel components, mounted on a steel chassis and covered by a precision zinc die-cast cover. The steel latch is activated by a tubular steel bar.

Touch bar device - 570 Series

The main casing & rear bracket are constructed of steel components mounted on a steel chassis and are covered by a precision zinc die cast cover. The steel latch is activated by an extruded aluminium touch bar enclosed in an extruded aluminium channel.

Locking kits (574.V/574.S/574.VS/574.AS)

The locking points are constructed of steel components mounted on a steel chassis incorporating a steel latch. Connection to the push bar or touch bar device is via adjustable stainless steel cable concealed by an extruded aluminium cover.

Fixing/installation - 560-570 Series

These surface mounted devices come complete with easy to follow pictorial fixing instructions. Self adhesive Accufit templates ensure accurate installation of backplates for mounting the operating mechanism and pullman latches. Mechanisms are clamped onto the backplates. Flexible steel cables connecting the operating mechanism to the pullman latches require no measuring and adjustment screws in the main unit allow for fine adjustments. Clip on covers to the main unit and pullmans complete the installation. The devices are supplied with non-standard tools for convenience, and adjustable strikers with packers to ensure continued optimum performance. Fixing and maintenance instructions must be passed on to the user upon completion of installation.

Construction - 376 Series

Aluminium die cast body and end boxes, with extruded aluminium guides. Solid steel shoot ends with tubular steel shoots and push bars. Latch bolts are manufactured from extruded brass.

Fixing/installation - 376 Series

Surface mounted and easily installed as fully described in the fixing instructions. Bars and shoots are supplied with loose end plugs and should be cut to exact size on site. Top and bottom shoots allow 5mm adjustment to ensure accurate fixing. Fixing and maintenance instructions must always be passed on to the user upon completion of installation. Supplied with either self tapping screws or metal thread screws dependent on product selection.

Fire/smoke

Reference the Fire Precautions Act 1971, always consult the Local Fire Officer for his/her interpretation of the Act before finalising specification. Products within the Briton 560-570 and 376 series have been included in successful fire tests to EN 1634 and/or BS 476 Part 22. Contact Technical Support on 0800 834102 for the precise field or application details.

Guarantee

To back up the high quality performance guarantee and durability of Briton panic and emergency exit devices, they are supplied with a 5 year guarantee on mechanical parts, with free replacement ex-works of any panic and emergency exit hardware proved defective by reason of either faulty manufacture or defect in materials.

CE certification

Copies of our CE Certificates and declaration of performance are available to download from our website: www.allegion.com/uk

Special applications

For special applications outside those mentioned within this brochure please contact technical support on 0800 834102 who will be able to advise and assist with product selection for non-standard installations.

Technical support

If you have any queries regarding Briton exit devices and product selection please call our technical support department who will be pleased to offer any assistance on any aspect of our products including queries on:

- Product selection
- Advice on installation
- Trouble shooting
- Ancillary products and spare parts.

For further details call the Technical Support team on freephone 0800 834102

Supply & quotations

The Briton 560-570 and 376 series are available through a nationwide network of architectural ironmongers and builders' merchants. For your local stockist please contact the Customer Care Team on +44 (0) 121 340 2401 or visit our website www.allegion.com/uk

Briton #1 door hardware choice

Classification Guide

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Maintenance

Panic and emergency exit hardware play a vital role in the buildings escape route, and it is important that these devices are inspected and maintained properly to ensure safety at all times.

As recommended in EN 1125 and EN 179 the following routine maintenance checks should be undertaken at intervals of not more than 1 month by the occupier or his approved representative:

- Inspect and operate the emergency exit device to ensure all components are in satisfactory working condition
- Ensure that keepers are free from obstruction

Briton

Door Closer Classifications Guide

An essential element in safeguarding lives and property

The principal objective of a door closer is to close a door and in the case of unlatched fire doors in a corridor, to keep the doors closed in the event of a fire. Most applications where the specification of a door closing device is mandatory, must use a product which conforms to the requirements of European Standard EN 1154 (or EN 1155 for electrically controlled units) and be CE marked accordingly.



EN 1154 - A harmonised standard designed for life safety

All forms of "Controlled Door Closing Devices" are covered by a harmonised European Standard, EN 1154. It provides details on product types and classifies products by use, test cycles, door mass, corrosion resistance and product performance requirements using a six digit classification code.

Closers which are controlled by an electromagnetic function must comply with the additional requirements of EN 1155.

Fire doors

Within EN 1154, certain recommendations are made for closing devices used on fire door assemblies. These include:

- Closers size 1 and 2 are not considered suitable for use on fire doors.
- Door closers shall not include a hold-open device unless it is an electrically powered device connected to the building fire alarm system.
- Control regulators shall be either concealed or operable only by means of a tool.

Approved Document B of the UK Building Regulations states that, in the majority of cases, 'a fire door should be fitted with a door closer which is capable of closing the door... from any angle and against any latch fitted'. In the European Union, CE marking is the most effective way to prove compliance with this requirement.

4 3-4 — **Category of use**
For all internal and external doors for use by the public
- grade 3: For closing doors from at least 105˚ open
- grade 4: For closing doors from 180˚ open

8 8 — **Number of test cycles**
- grade 8: 500,000 test cycles

4 1-7 — **Test door mass/size**
Seven grades are identified

1 0/1 — **Fire behaviour**
- grade 0: Not suitable for use on fire/smoke door assemblies
- grade 1: Suitable for use on fire/smoke door assemblies

1 1 — **Safety**
All door closers are required to satisfy the essential requirement of safety in use - only grade 1 is identified.

3 0-4 — **Corrosion resistance**
Five grades of resistance are identified to EN 1670
- grade 0: No defined corrosion resistance
- grade 1: Mild resistance (24 hours)
- grade 2: Moderate resistance (48 hours)
- grade 3: High resistance (96 hours)
- grade 4: Very high resistance (240 hours)

Closing force v Opening force

The closing force required to fulfill the life saving fire-safety function demanded by EN 1154 can, for some elderly or disabled people, be difficult to overcome and the door can become a barrier to safe and easy access for them.

Within the detail of BS 8300 and Approved Document M of Building Regulations, there is a requirement to achieve low opening forces to satisfy the need for easy and universal accessibility. As a consequence there is a conflict between the required closing force for fire safety and the desirable opening resistance which requires special consideration in the specification process.

We strongly recommend you discuss such applications with an Allegion Specification Consultant who can advise on the most appropriate solution.

Closer power explained:

EN Closer power settings

Within EN 1154 seven closer power ratings are identified according to the maximum door leaf weight and width.

These are theoretical figures and the final closing power of any door closing device will be subject to any number of variables such as:

- Accuracy of closer installation
- Accuracy of door installation
- Friction in hinges
- Negative or positive air pressure

Because of such variables, the specification of an adjustable door closer is recommended to allow for site variables.

EN Size	Max. door weight (kg)	Max. door width (mm)
1	20	750
2	40	850
3	60	950
4	80	1100
5	100	1250
6	120	1400
7	160	1600

All the door closers provided by Allegion are fully CE certified and CE marked as a required for applications in the European Union. We would recommend that the use of a CE marked door closer is the best way of ensuring the product you are using is fit for purpose and meets all legal requirements, particularly when used on fire doors.

Which door closer is right for your application?

GUARANTEE 10 UP TO 10 YEARS*

Low Usage
up to 15,000 cycles per year



Briton 121CE
Compact Overhead Closer

- Budget closer
- Fixed power size 3
- EN Classification **4 8 3 1 1 3**

certifire

2hr TIMBER · 4hr STEEL

Medium Usage
up to 50,000 cycles per year



Briton 1110
Template Adjustable Overhead Closer

- Slimline closer
- Adjustable power size 2 - 4
- EN Classification **3 8 2-4 1 1 3**

certifire

2hr TIMBER · 4hr STEEL **



Briton 1120B
Spring Power Adjustable Overhead Closer

- Adjustable power size 2 - 4
- Backcheck facility
- EN Classification **4 8 2-4 1 1 3**

certifire

2hr TIMBER · 4hr STEEL



Briton 1130B
Spring Power Adjustable Overhead Closer

- Adjustable power size 2-6
- Backcheck facility
- EN Classification **4 8 2-6 1 1 3**

certifire

2hr TIMBER · 4hr STEEL



Briton 2300
Cam Action Slide Channel Overhead Closer

- Adjustable power size 2 - 4
- Adjustable closing speed, latch action & backcheck
- Accufit fixing template & mounting bracket
- EN Classification **4 8 2-4 1 1 3**

certifire

2hr TIMBER



Briton 2003
Fixed Power Overhead Closer

- Fixed power size 3
- Track arm option available
- EN Classification **4 8 3-1 1 3**

certifire

2hr TIMBER · 4hr STEEL

High Usage
up to 100,000 cycles per year



Briton 2003V
Spring Power Adjustable Overhead Closer

- Adjustable power size 1 - 4
- Track arm option available
- Accufit fixing template & mounting bracket
- EN Classification **4 8 2-4 1 1 3**

certifire

2hr TIMBER · 4hr STEEL



Briton 2700
Spring Power Adjustable Overhead Cam Action Closer

- Adjustable power size 2 - 5
- Electro-magnetic version available 2720B.TE
- Adjustable closing speed, latch action, backcheck, delayed action and hold-open
- EN Classification **4 8 2-5 1 1 3**

certifire

2hr TIMBER · 1hr STEEL



Briton 2130B
Adjustable Power Overhead Closer

- All purpose closer
- Adjustable power size 2-6
- Backcheck facility
- Accufit fixing template and mounting bracket
- EN Classification **4 8 2-1 1 3**

certifire

2hr TIMBER · 4hr STEEL

Electro-magnetic



Briton 996
Hold-Open & Free-Swing

For doors linked to a fire alarm system. Ideal for environments covered by The Equality Act legislation as doors can safely be held open or allowed to swing free.

- Fixed power size 3, 4 & 5
- Hold-open or Swing-free
- Other versions available: Briton 1130B.TE and Briton 2720B.TE

certifire

2hr TIMBER

CE all products are CE certified

*Guarantee 2 years electrical, 10 years mechanical ** Only applicable to trimplate version

Mounting positions



Projecting arm
Regular fixing (door mounted pull side)



Projecting arm
Transom fixing (transom mounted push side)



Projecting arm
Parallel fixing (door mounted push side)



Slide arm
Door mounted pull side



Slide arm
Door mounted push side



Slide arm
Transom mounted pull side



Slide arm
Transom mounted push side

Get in touch: **T:** +971 4 818 8999 **E:** contactmea@allegion.com **W:** allegion.com/mea

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