Rigorous testing is continually being carried out on the Briton range of exit hardware providing peace of mind for specifiers, distributors, installers and users.

Low operating force
Repeatedly tested to operate at 50% lower than the standard requirement, ensuring that the door can be operated with minimum force, for example by small children, the elderly and people with special needs.

Two tests are undertaken. The first is to operate the door with a maximum force of 80 Newtons.

The second test simulates a panic situation whereby the door is put under 1000 Newton pressure to simulate a group of people pushing against the door.

The operating force on the device with this weight should not exceed 220 Newtons.

Abusing the push bar
The push bar is attacked with a force equivalent to a 16 stone man (1000 Newtons) pulling/pushing it in all directions and standing on it, after which the bar must still operate.

Cycle testing
Briton 376 Series products exceed the highest requirement of 200,000 cycles, ensuring durability for everyday use.

The finger trap test
To reduce the risk of trapping fingers and/or the blocking of the panic device, any gap shall not trap a test rod of 10mm dia. at any position of the bar travel during the operation of the panic device.

Abusing the bolt
Testing the bolt strength involves the equivalent of the combined strength of 4 people trying to pull the bolt away from the door.

An attempted break-in is simulated to test the security of the bolt, force is applied to the anti-thrust device as if the bolt were being ‘jemmied’ out of its socket.

Corrosion resistance
A test which measures how suitable the exit device is for varying environmental conditions. All Briton 376 Series hardware has been tested to EN 1670 Building Corrosion Requirements and has achieved at least grade 3 (high resistance). This ensures the product will function correctly in wet, polluted and exterior environments. Note, EN 1670 test does not relate to the finish.
The following range consists of a vertical panic bolt, rim panic latch and a mortice nightlatch. Each product is operated by a horizontal push bar which, when pushed in a downward arc, withdraws either the bolts or the latch, releasing the door for immediate escape in the event of an emergency.

Where personnel have not been trained in the location and operation of the buildings exit devices or members of the public have access, exit devices conforming to EN 1125 must be specified and installed.

**IMPORTANT NOTE** - If you are in any doubt at all ALWAYS use products that conform to EN 1125

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**Briton 376 vertical panic bolt**
- Two point locking for extra security
- Anti-thrust device, prevents unauthorised latch retraction
- Suitable for single and double door applications
- Self-handed - will suit both left and right handed doors
- Suitable for doors up to 2500mm high x 1300mm wide (extension rods required to achieve max. sizes)
- Optional models include pullman latches, alarmed and manually dogged (hold-open) functions
- Adjustable top and bottom shoots
- Supplied with easy clean socket
- Metal door variant with metal door strikes & machine screws (376M)

**Briton 379.N mortice panic nightlatch**
- For single doors and the first opening leaf of double doors
- Supplied right hand, but can be reversed on site
- For doors up to 1300mm wide
- Suitable for doors up to 1300mm wide
- Double door strike available for rebated double door applications
- Can be used with rim cylinder fitted to the outside of the door
- Metal door variant with metal door strikes & machine screws (379M.N)

**Briton 1438 push pad rim latch**
- Pad operated rim latch
- Anti-thrust device, prevents unauthorised latch retraction
- Suitable for use on single doors and the first opening leaf of rebated double doors
- Supplied in left or right hand, but can be reversed on site
- For doors up to 1300mm wide
- Suitable for doors up to 1300mm wide
- Security - Grade 4: 3,000 Newtons
- Cylinder not supplied
- Double door strike available for rebated double doors
- Can be used with a rim cylinder fitted to the outside of the door
- Metal door variant with metal door strikes & machine screws (1438M)

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**Briton 376 Series - Panic exit hardware**

- The most important thing you must consider when specifying panic exit hardware is who might be in the building in the event of an emergency.

**Briton 376 Series - Emergency exit hardware**

- These products should never be used in areas open to the general public.

Products conforming to EN 179 are only intended for use by personnel who are fully aware of the escape routes and have been trained to operate these devices. The following range consists of a push pad vertical bolt, reversible push pad rim latch and push pad mortice nightlatch. Each product when operated withdraws either the bolts or the latch, releasing the door for immediate escape in the event of an emergency.
Briton 376 Series - EN 179 emergency applications

Briton 376 series panic and emergency exit hardware is suitable for application to single doors, and in combinations on non-rebated and rebated double doors.

**EN 1125 - panic applications**

Vertical devices with top and bottom shoot bolts

- Plain meeting stiles
- Rebated meeting stiles

Vertical devices with top and bottom pullman latches

- Plain meeting stiles
- Rebated meeting stiles

**Accessories required**

- Consideration should be given to the use of door co-ordinating devices for rebated pairs of doors.
- A door co-ordinating device must be used for fire/smoke applications.

**EN 179 - emergency applications**

Vertical devices with top and bottom shoot bolts

- Plain meeting stiles
- Rebated meeting stiles

Vertical devices with top and bottom pullman latches

- Plain meeting stiles
- Rebated meeting stiles

**Accessories required**

- Consideration should be given to the use of door co-ordinating devices for rebated pairs of doors.
- A door co-ordinating device must be used for fire/smoke applications.
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### Standards and Testing

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**- Nightlatch to be bedded on 1mm intumescent material**
Briton 376 Series accessories

**Pullman latches**
For doors that are subject to high levels of traffic, for example interconnecting doors in high populated areas, pullman latches on a vertical panic bolt provide a smooth and quiet alternative. Pullman latches are supplied as standard on Briton 376.P, 372.P and 376.PD. To upgrade existing installations, pullman latch kits 378/931 can be supplied separately. Also available with metal threaded screws (376M.P, 372M.P).

**376ELTS - Extra long top shoot**
Extra long top shoots are suitable for use on doors in areas that require the push bar to be in a lower position e.g. schools. It can also be used on doors up to 3350mm high, however doors over 2500mm are outside the scope of EN 1125 and EN 179.
Available in a range of finishes.

**378DDS - Double door strike**
For use on double rebated door applications with a rim panic latch on the first opening leaf and a vertical bolt on the second opening leaf.
Available in a range of finishes.

**376FFKP - Flush face keeper plate**
For applications where there is a flush head frame a flush face keeper plate can be used to secure the bolt.

**Briton 376 Series metal door strike for use with Briton 378 rim devices on single doors, or on the first opening leaf of a double rebated application.**

All Briton exit devices are supplied with self-tapping screws suitable for timber and metal doorsets.
For customers who prefer machine screws, alternative fixing packs are available.

**Outside Access Devices**
A series of outside access devices which can be used with any of the Briton 376 Series panic and emergency exit devices (except 389.N). They provide a simple means of accessing the door from the outside.

- Designed to suit with all Briton CE compliant exit devices
- Suitable for doors 40mm to 70mm thick
- Fixings suitable for timber & metal doorsets
- Powder coated for additional durability – silver, gold and brown bronze
- Choice of plated finishes – satin stainless steel, polished stainless steel and polished brass
- Clearly illustrated instructions and template enabling accurate installation
- 5 year warranty

**Briton 376MDS metal door strike for use with Briton 378.N mortice panic nightlatch.**

**Briton 379MDS metal box strike for use with Briton 379.N mortice panic nightlatch.**

**Briton 1413E/LE - lever variant**
A combination of market trends and the effect of legislation regarding accessibility for less able users has resulted in an increase in market demand for lever operation.
- The lever is secured to the OAD by a special shear screw designed to fail if the lever is severely abused (e.g. attempted break in, or vandalism) ensuring the mechanism is protected from damage. The shear pin can then be simply replaced to restore normal operation.
- Lever supplied loose to allow easy on-site handing
- Supplied with euro-profile cylinder as standard. Cylinders can be keyed-alike or master-keyed
- Non-handed
Note: not recommended for high use areas

**Briton 1413E/KE – knob variant**
- Ergonomic design providing improved grip in wet conditions.
- Supplied with euro-profile cylinder as standard. Cylinders can be keyed-alike or master-keyed
- Non-handed

**Briton 376DS**
For vertical panic bolts. Comprises 2 strike plates and 1 trip plate to activate the top tripper

**Briton 9260 digital code lock**
- Digital code lock option has over 2047 non sequential code options
- Supplied with extra long spindles for use with Briton exit devices
- Reversible lever operation for left or right hand applications
- Code can be changed by removing the unit from the door

**816 - Briton rim cylinder**
- For use with Briton 378 and 1438
- Available in polished brass and satin nickel finishes
Briton 376 Series - Finishes

All exit devices and outside access devices are available in a wide range of finishes including:

Powder coated finishes
Silver (SE) finish is powder coated for increased durability having been salt-spray tested in excess of 240 hours. We recommend you use Silver (SE) finish for highly corrosive areas.

Metallic plated finishes
Satin stainless steel (SS), polished stainless steel (PS), polished brass (PB)
Double door strikes and metal door strikes are available colour matched.

Due to the limitation of the printing process, we suggest you check your final choice of finish against the actual products or sample swatch.

Key:
L= 1200mm or 840mm
Door sizes

All products are suitable for use on doors up to 2500mm high x 1300mm wide. Minimum width of stiles 78mm for 13mm rebates and 90mm for 25mm rebates. For doors with less than 665mm clear opening width please seek advice from Technical Support on 0800 834102.

For Briton 379.N, 379.NA & 379.ND minimum door thickness is 40mm and minimum width of stile is 88mm.