

# PANIC & EMERGENCY EXIT HARDWARE

Firstly when choosing panic furniture the application has to be determined to enable the appropriate ironmongery to be chosen. The guidelines are laid out below.

## Understanding EN 1125 & EN 179 and CE

### A mandatory requirement

Every new build or replacement panic and emergency exit application is required to comply with European safety legislation. The European standards EN 1125 and EN 179 covering exit devices for buildings have now been designated to demonstrate compliance with this legislation. Together they replace BS 5725:pt1:1981 which is now withdrawn. As from April 2003 it became mandatory for all manufacturers to CE mark exit devices for fire and escape door use.

### Two standards instead of one - which one for which application?

#### Panic Application - EN 1125

A panic application is where the exit door is used by the public and provides "safe and effective escape through the doorway with minimum effort and without prior knowledge of operation".

For example:

- Theatres
- Shops
- Schools
- Hospitals
- Cinemas

Products used in panic applications require an operating device that covers the width of the door e.g. crossbars or touchbars.



#### Emergency Application - EN 179

An emergency application is where the exit door is in a low occupancy environment and will only be used by trained personnel.

For example: a place of work, never accessed by the public or people unfamiliar with the escape drill.

- Offices
- Private Flats and Apartments
- Store Rooms / Boiler Rooms

Products used in emergency applications require only a single point of operation e.g. pushpads or levers.

# EN 1125 PRODUCTS

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

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

The following range consists of a vertical panic bolt, rim panic latch and a mortice nightlatch operator. 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.



### Briton 376E vertical panic bolt

- Two point locking for extra security
- Anti-thrust device, prevents unauthorised retraction of the latch bolt
- Suitable for use on 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
- Optional models available include pullman latches, alarmed and manually dogged (hold open) functions
- Adjustable top and bottom shoots
- Supplied with an easy clean socket
- Metal door variant available with metal door strikes and machine screws, order 376EM



### Briton 378E reversible rim panic latch

- Suitable for use on single doors and the first opening leaf of double doors with rebated meeting stiles
- Supplied in left or right hand, but can be reversed on site
- Suitable for doors up to 1300mm wide
- Double door strike available for double rebated door applications
- Available with manual dogging (hold open)
- Can be used with rim cylinder fitted to the outside of the door
- Metal door variant available with a metal door strike and metal thread screws, order 378EM



### Briton 379E-N mortice panic nightlatch

- Suitable for use on single and the first opening leaf of double door applications
- Supplied right hand, but can be reversed 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
- 13mm & 25mm rebate kits are available for double rebated door applications
- Metal door variant available with a metal box striker and machine screws, order 379EM-N

# EN 179 PRODUCTS

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 372E push pad vertical bolt**

- Pad operated vertical bolt
- Anti-thrust device, prevents unauthorised retraction of the latch bolt
- Suitable for use on single and double door applications
- Self-handed to suit left and right handed doors
- Security - Grade 4: 3,000 Newtons
- Suitable for doors up to 2500mm high x 1300mm wide
- Adjustable top and bottom shoots
- Supplied with an easy clean socket
- Metal door variant available with metal door strikes and machine screws, order 372EM



#### **Briton 1438E reversible push pad rim latch**

- Pad operated rim latch
- Suitable for use on single doors and the first opening leaf of double rebated door applications
- Supplied in left or right hand, but can be reversed on site
- Suitable for doors up to 1300mm wide
- Security - Grade 3: 2,000 Newtons
- Double door strike available for double rebated door applications
- Can be used with a rim cylinder fitted to the outside of the door
- Metal door variant available with a metal door strike and metal thread screws, order 1438EM



#### **Briton 389E-N push pad mortice nightlatch**

- Pad operated mortice nightlatch
- Suitable for use on single and the first opening leaf of double door applications
- Supplied right hand, but can be reversed on site
- Security - Grade 4: 3,000 Newtons
- 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
- 13mm & 25mm rebate kits are available for double rebated door applications
- Metal door variant available with a metal box striker and machine screws, order 389EM-N

## **CONTROLLED ACCESS – EXTERNAL LOCKING OPTIONS**

Using a Briton 1413E outside locking device will give access from the outside for keyholders when the door is locked. When unlocked the door can also be operated from the outside by using the knob / lever. The panic bar will override the 1413E at all times.

- Designed to suite with all devices within the Briton 376E series of CEN compliant exit devices.
- Choice of interchangeable knob, or lever (available separately) allowing the most appropriate method of operation to be selected for the buildings users.
- Supplied with euro-profile cylinder as standard. Cylinders can be keyed-alike or master-keyed.
- Clearly illustrated instructions and template enabling accurate installation
- Suitable for doors between 40mm and 70mm thick
- Fixings supplied are suitable for timber & metal doorsets
- Tested to 200,000 cycles
- Powder coated for additional durability – choice of silver, gold, brown bronze or 12 Normbau finishes.
- Choice of plated finishes – satin stainless steel, polished stainless steel and polished brass.



**Briton 1413E/LE - lever variant**

- A combination of market trends and the effect of The Disability Discrimination Act (DDA) 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 handling



**Briton 1413E/KE – knob variant**

- Ergonomic design providing improved grip in wet conditions.
- Non-handed



**816 - Legge rim cylinder**

- For use with Briton 378E and 1438E
- Available in polished brass and satin nickel finishes

For areas of higher security a deadlocking option is available when used in conjunction with the Briton 379E-N and 389E-N morticed nightlatches. This will give a deadlocking facility after each use from the outside, requiring key operation each time for entry. A europrofile cylinder and separate pull handle will be located on the outside of the door.

## COLOUR & FINISH OPTIONS

The standard finish for all panic furniture options will be Powder coated silver unless advised otherwise in our quotation

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

### Powder coated finishes

Silver (SE), gold (GE) brown bronze (BE) and the full range of colours to match the Normbau range of nylon architectural hardware.

### Dual finishes

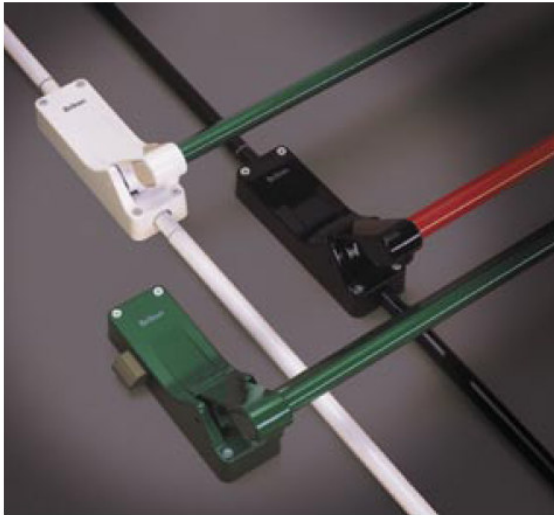
green and white, black and red

All coloured finishes are now powder coated for increased durability and have been salt-spray tested in excess of 240 hours.

### Metallic plated finishes

satin stainless steel (SS), polished stainless steel (PS), polished brass (PB)

Double door strikes and metal door strikes are now 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.

### Powder Coated

 silver (SES)	 gold (GES)	 brown bronze (BES)
 white 19 NWH RAL-DS 000 95 00	 manhattan 67 NMG RAL-DS 080 70 05	 dark grey 18 NDG RAL-DS 000 35 00
 black 16 NBL RAL-DS 000 15 00	 slate blue 63 NSB RAL-DS 240 50 15	 dark blue 37 NDB RAL-DS 270 20 25
 yellow 22 NYE RAL-DS 080 80 90	 green 13 NGR RAL-DS 160 30 38	 red 12 NRE RAL-DS 030 30 45
 dark red 35 NDR RAL-DS 010 20 25	 ivory 65 NIV RAL-DS 090 85 10	 blue 11 NBU RAL-DS 270 30 40

**S** - Special Colours, may be subject to a longer delivery time

### Metallic

 satin stainless steel (SSS)	 polished stainless steel (PSS)	 polished brass (PBS)
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## **STRIKE AND KEEP DETAILS**

The following surface fixed strikes have been specifically designed for use on metal door sets to simplify installation.



- **Briton 376MDS** (illustrated above) for vertical panic bolts comprises 2 strike plates and 1 trip plate to activate the top tripper



- **Briton 378MDS** metal door strike (illustrated above) for use with Briton 378E rim devices on single doors, or on the first opening leaf of a double rebated application.



- **Briton 379MDS** metal box strike (illustrated above) for use with Briton 379E-N mortice panic nightlatch.