



Panic & Emergency Exit Hardware



FM 00401



EMS 66705

When specifying a product from Ingersoll Rand Security Technologies you can be assured that an uncompromising attention to detail has been given to every stage of design and manufacture. This ensures that its products and systems meet the highest possible quality and conformity certifications and exceed the requirements of all applicable European Standards.

A global leader in every sense of the word, Ingersoll Rand Security Technologies has an unrivalled track record in satisfying the demands of architects, designers, specifiers and building contractors throughout the world.

Ingersoll Rand Security Technologies manufactures a portfolio of market leading products, including Briton, the UK's number one brand of door controls. The Briton name is synonymous with high quality design, reliability and durability and is at the forefront of supplying products that meet the new European CPD requirements, such as one of the first ranges of CE marked fire exit hardware and door controls.



Briton

Door hardware and security products

Normbau

Coloured nylon design systems

Randi

Scandinavian stainless steel design systems

CISA

Hotel locking and security systems

In addition, Ingersoll Rand Security Technologies produces a wide selection of contemporary door hardware, including Randi, an architect-designed suite of stainless steel door furniture and bathroom fittings, manufactured at its factory in Denmark.

An extensive series of coloured nylon and stainless steel products are manufactured in the company's German facility under the Normbau brand. The range incorporates lever and pull handles as well as complementary accessories, a comprehensive railing system and products for people with special needs.

Manufactured in Italy and designed to suit even the most demanding professional requirements in the security sector, Ingersoll Rand Security Technologies' CISA range incorporates traditional hardware products, hotel locks and advanced access control systems with 'smart card' .

Briton Why do you need Panic Exit Hardware



Imagine...

...you're sitting in a theatre watching a sell-out play, captivated by the performance oblivious to your surroundings.

Suddenly!

...the stage is on fire and the flames roar towards you. Screams echo all around, as confusion and panic set in.

Holding onto your loved ones you clamber over the seats to escape the intense heat. You run towards the doors fighting for a way out. You reach the door and frantically try to open it, but no matter how hard you try the door will not open. Overcome by smoke you collapse to the floor, breathing becomes impossible... you pass out.

Fighting for your life

An experience that far too many people have endured due to ignorance. Even though the panic exit device was invented nearly 100 years ago and generally has been developed into what can only be described as a 'life saver', people are still fighting for and losing their lives in tragedies worldwide due to:

- Devices disabled with chains or wedges
- Incorrectly installed devices
- Poorly maintained products
- Doors fitted with products not fit for the purpose

Too many people have lost their lives because they didn't have a choice

You do.

Exit devices save lives

When disaster strikes we only hear about the negative aspect such as the injuries sustained and the lives lost. Very rarely do we hear the positive side, such as the number of people who escaped and survived simply because the right product was fitted and more importantly that it worked when it really needed to.

Briton panic exit hardware - setting the standard

If the panic exit hardware is branded Briton you can be guaranteed that the product has been successfully tested and exceeds the requirements of EN 1125.

Continual investment into performance testing beyond the requirements of any standard ensure that all Briton panic exit hardware products are of the highest calibre.

Quality control manufacturing

The Briton 376E series undergoes something much more demanding than the traditional quality control procedure.

Quality is built in at every stage of manufacture by the people behind the product. From design to machine operation, assembly and through to inspection every individual takes responsibility for their part in the manufacture of the product and contributes to a continuous quality control ethic.

Briton exit devices are manufactured at Ingersoll Rand Security Technologies who are accredited under EN ISO 9001 1994, which covers all aspects of their business from design through manufacture, to final inspection and ongoing customer service.

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.



Briton 376E series of exit hardware carries the CE mark visibly showing that the products have been independently tested and assessed to the very latest European standards EN 1125 and EN 179. CE marking is a requirement of the European Construction Products Directive.

From April 2003 it became mandatory for all manufacturers to be able to prove CE compliance for exit devices to be used on fire and escape doors. Copies of certificates are available on request, please contact our Technical Services department on 0800 834102.

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.



Briton Testing, testing...

When lives may depend on an exit device Briton feel they have a responsibility to design and test products to exceed all current performance and safety standards, ensuring they will operate first time, every time.

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 crossbar

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

Cycle testing

Cycle tested to measure durability for everyday use. Briton 376E series products not only exceed the highest requirement of 200,000 cycles, they have been tested up to 600,000 cycles - 3 times the standard requirement!

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 diameter at any position of the bar travel during the operation of the panic device.

Under both standards each product is classified and graded to identify the level of compliance within each category. These classifications are set out opposite.

Abusing the bolt

Testing the strength of the bolt 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 'jimmied' out of its socket.

Corrosion resistance

A test which measures how suitable the exit device is for varying environmental conditions. All Briton 376E series panic and emergency exit hardware have been tested to EN 1670 Building Corrosion Requirements and have 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 standard EN 179 features a number of tests used in EN 1125 but has different levels of security testing.

EN Classification Codes

Category of use

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

Durability (Cycle Testing)

Grade 6 - 100,000 cycles
Grade 7 - 200,000 cycles

Door size/mass

Class 5 - doors up to 100kg
Class 6 - doors up to 200kg.

Fire Resistance (EN 1634)

Classification 1 - suitable for fire/smoke door use
Classification 0 - not suitable for fire/smoke door use

Safety

All panic and emergency devices have a critical safety function therefore only grade 1 is identified.

Corrosion Resistance (EN 1670)

Grade 3 - high resistance
Grade 4 - very high resistance.

Security

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

Projection of Device

Class 1 - projection up to 150mm
Class 2 - projection up to 100mm

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

- 3**
(3)
- 7**
(6/7)
- 6**
(5/6)
- 1**
(0/1)
- 1**
(1)
- 4**
(3/4)
- 2**
(2)
- 2**
(1/2)
- B**
(A/B)

“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.”

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



Briton 377E double rebated door panic set

Comprises a Briton 376E vertical panic bolt, 378E reversible rim panic latch & 378DDS double door strike in one convenient pack.

See page 13 for further information

377E

Briton Products to EN 179

“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 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**

“Consideration should also be made to the following factors when selecting exit hardware.”

Security

Although these devices are designed to provide immediate escape in an emergency situation, we have not forgotten the need for security against unauthorised use by shoplifters or from the outside by burglars.

The **Briton 379E-N** mortice panic nightlatch offers additional security without affecting safety.

Alarmed units **Briton 376E-A** and **Briton 379E-NA** have a switch mechanism in the end box providing an alarm function. The switch mechanism can be connected to an audio/visual alarm system giving immediate warning of any unauthorised use of emergency exits. The door cannot be opened without the alarm being activated. The unit has an electrical rating of 24 Volts D.C. - 1.4 Amps maximum @ 70°C



Smooth and quiet action

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. Also available with metal threaded screws

- 376EM-P

- 372EM-P

Pullman latches **376-931** can be supplied separately and are supplied as standard on **Briton 376E-P, 372E-P** and **376E-PD**.



Controlled Access

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 lever/knob. See page 8 for further details.

To permit free access during designated periods, the option of manual dogging (hold open) can be selected, which allows the latch or the bolts to be held in the withdrawn position. Available on **Briton 376E-D, 376E-PD, 378E-D & 379E-ND**.

Note: Manual dogging is not permitted for fire door applications.

Briton Finishes

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

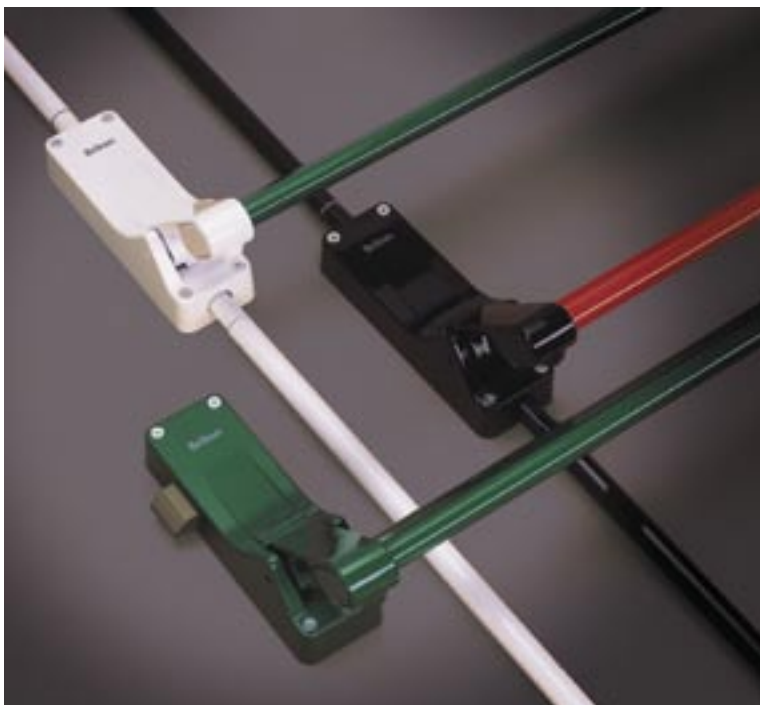
green and white, black and red

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)

- 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.
- 5 year warranty.



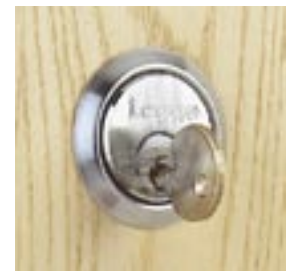
Briton 1413E/LE - lever variant

- 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 handing



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

Briton Accessories



Extra long top shoot - 376ELTS

- Extra long top shoots are suitable for use on doors in areas that require the push bar to be in a lower position ie 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.
- For use with Briton 376E, 376E-D, 376E-P, 376E-PD 376E-A, and 372E.
- Available in a wide range of finishes. (see page 7)



Flush face keeper plate - 376FFKP

- For use with 376E, 376E-D, 376E-A, and 372E
- For applications where there is a flush head frame a flush face keeper plate can be used to secure the bolt.



Double door strike - 378DDS

- 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 wide range of finishes (see page 7).

Door co-ordinator

EN 1125 and EN 179 recommend that on a pair of self-closing double rebated fire doors a door co-ordinating device is fitted to ensure the door leaves close in the correct sequence.

Metal Door Applications

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.

All Briton exit devices are supplied with self-tapping screws as standard, which are suitable for both timber and metal doorsets.

For customers who prefer machine screws, alternative fixing packs are now available.



Product selector

Device Type	376E	376E-D	376E-P	376E-PD	376E-A	378E	378E-D	377E	379E-N	379E-NA	379E-ND	372E	372E-P	1438E	389E-N
Panic exit device	●	●	●	●	●	●	●	●	●	●	●				
Emergency exit device												●	●	●	●
Vertical bolts	●	●	●	●	●										
Rim latch						●	●								
Double rebated door set								●							
Mortice nightlatch									●	●	●				
Pad operated vertical bolt												●	●		
Pad operated rim latch														●	
Pad operated mortice nightlatch															●
Features	376E	376E-D	376E-P	376E-PD	376E-A	378E	378E-D	377E	379E-N	379E-NA	379E-ND	372E	372E-P	1438E	389E-N
Adjustable shoots	●	●	●	●	●			●				●	●		
Cross bar or shoots cut on-site	●	●	●	●	●	●	●	●	●	●	●	●	●		
Self handed	●	●	●	●	●							●	●		
Easy on-site handing						●	●	●	●	●	●			●	●
Handed - specify when ordering						●	●	●						●	
Alarmed - requires power					●					●					
Dogged hold-open facility		●		●			●				●				
C/W mortice cylinder nightlatch									●	●	●				●
Pullman latches top/bottom			●	●										●	
Metal door variant available	●		●			●			●			●	●	●	●
5 year guarantee	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Standards & Testing	376E	376E-D	376E-P	376E-PD	376E-A	378E	378E-D	377E	379E-N	379E-NA	379E-ND	372E	372E-P	1438E	389E-N
Fully compliant to EN 1125	●	●	●	●	●	●	●	●	●	●	●				
Fully compliant to EN 179												●	●	●	●
Suitable for fire doors	●		●			●		●				●	●	●	
Must not be used on fire doors		●		●	●		●		●	●	●				●
Fire tested to EN 1634 (Timber door 120 min)	●		●		●	●		●	●	●		●	●	●	●
Fire tested to BS 476:pt 22 (Timber door 60min)	●		●		●	●		●	●	●		●	●	●	●
Fire tested to BS 476:pt 22 (Steel door 240min)	●		●		●	●		●	●	●		●	●	●	●

● Suitable for 60 minutes only - Nightlatch to be bedded on 1mm intumescent material

Briton Product Selector



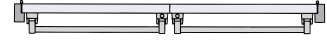
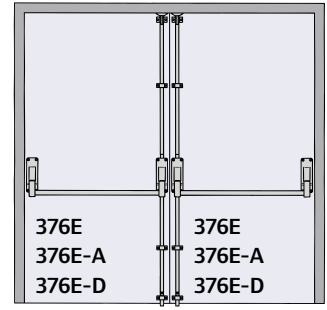
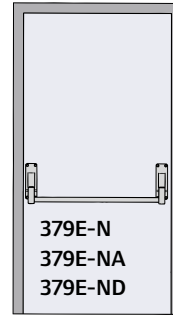
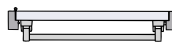
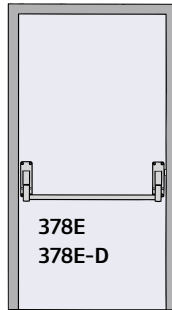
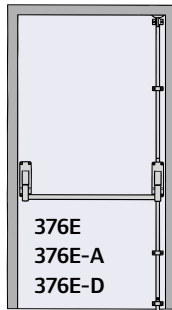
Product selector

Accessories	376E	376E-D	376E-P	376E-PD	376E-A	378E	378E-D	377E	379E-N	379E-NA	379E-ND	372E	372E-P	1438E	389E-N
1413E outside access unit												•	•	•	•
376ELTS extra long top shoot	•	•	•	•	•										
Legge 816 rim cylinder								•							
376FFKP flush face keeper									•	•	•				
378DDS double door strike												•	•		
376MDS metal door strike														•	
378MDS metal door strike															•
379 MDS metal door strike															
379DDRK-13mm rebate kit	•	•	•	•	•			•				•	•		
379DDRK -25mm rebate kit	•	•	•	•	•	•	•	•	•	•	•	•	•		
Finishes	376E	376E-D	376E-P	376E-PD	376E-A	378E	378E-D	377E	379E-N	379E-NA	379E-ND	372E	372E	1438E	389E-N
Sprayed silver						•	•	•	•	•	•			•	•
Sprayed gold						•	•	•						•	
Normbau colours					•					•					
Dual finishes		•		•			•				•				
Plated finishes									•	•	•				•
EN Classifications	376E	376E-D	376E-P	376E-PD	376E-A	378E	378E-D	377E	379E-N	379E-NA	379E-ND	372E	372E	1438E	389E-N
37611322A	•		•			•			•			•	•	•	•
37601322A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
37611332B															
37611342B	•	•	•	•	•	•	•	•	•	•	•				
37601342B												•	•	•	•

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

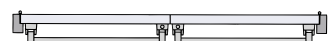
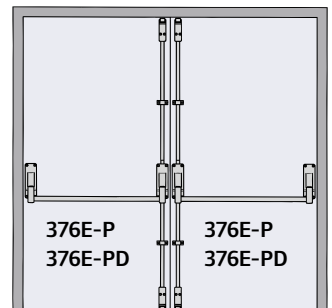
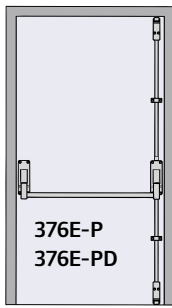
EN 1125

Vertical devices with top and bottom shoot bolts



Plain meeting stiles

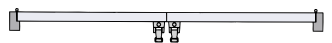
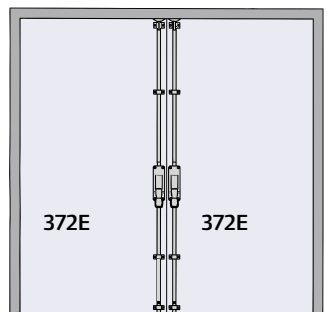
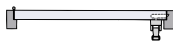
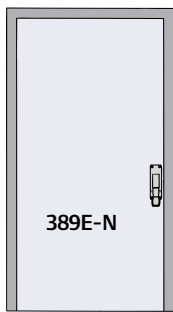
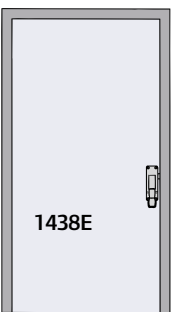
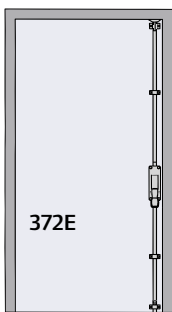
Vertical devices with top and bottom pullman latches



Plain meeting stiles

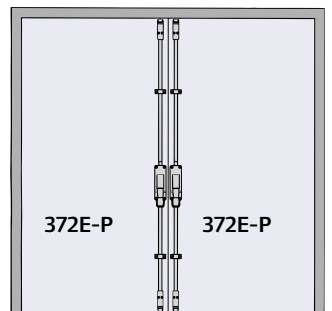
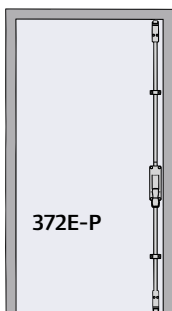
EN 179

Vertical devices with top and bottom shoot bolts



Plain meeting stiles

Vertical devices with top and bottom pullman latches



Plain meeting stiles

Briton Application Guide

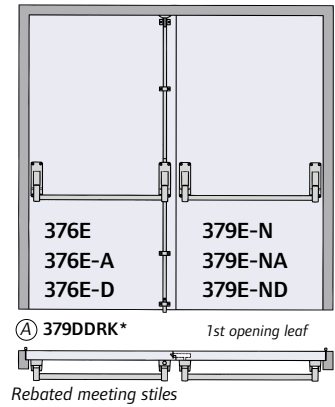
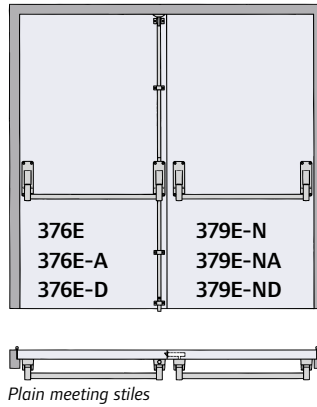
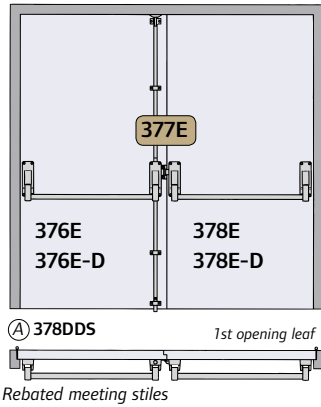
Consideration should be given to the use of door co-ordinating devices for rebated pairs of doors.
A door co-ordinating device must be used for fire/smoke applications.

*Rebate kits are available to suit 13mm & 25mm rebates (379DDRK-13 & 379DDRK-25)

EN 1125

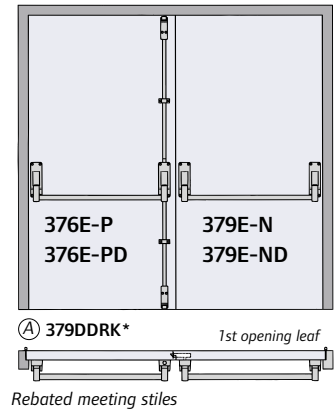
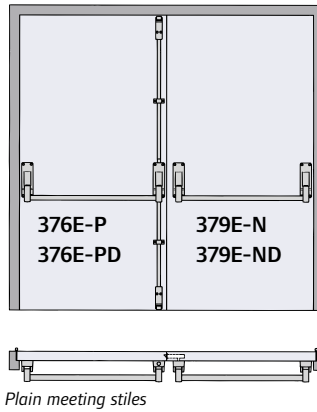
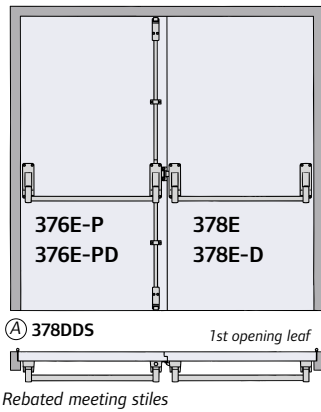
Vertical devices with top and bottom shoot bolts

Ⓐ Accessories required



Vertical devices with top and bottom pullman latches

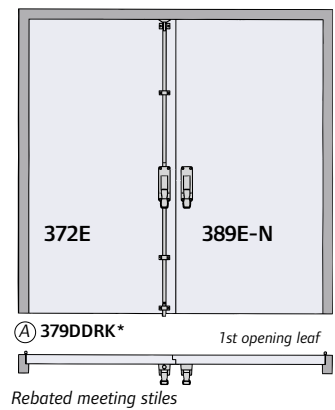
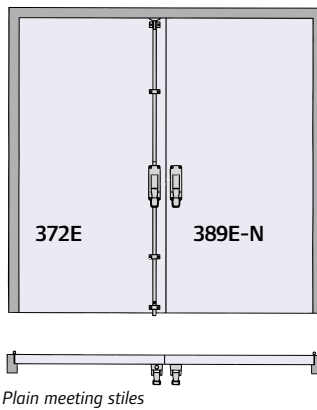
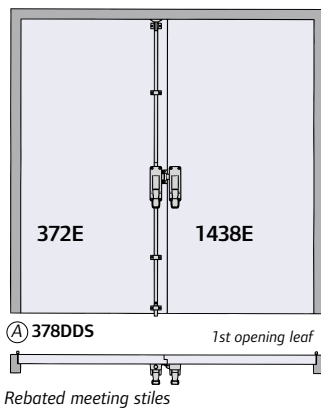
Ⓐ Accessories required



EN 179

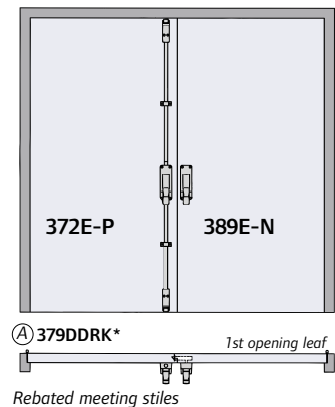
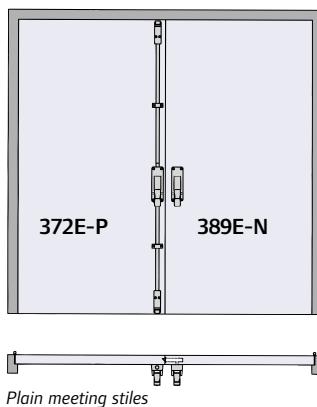
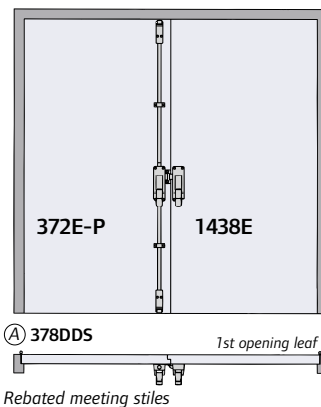
Vertical devices with top and bottom shoot bolts

Ⓐ Accessories required



Vertical devices with top and bottom pullman latches

Ⓐ Accessories required



Construction

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

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

Spares

Exit devices are 'life safety' products and it is imperative that they are regularly maintained to ensure that they will always operate correctly should the unthinkable ever happen! As part of Ingersoll Rand Security Technologies commitment to 'life safety' we have now introduced a comprehensive spares offering for the Briton 376E range of exit devices, allowing damaged parts to be replaced.

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 376E series have been included in successful fire tests to EN 1634 & BS 476 Part 22. See page 10 for details of products tested. Contact Technical Support for the precise field or application details.

Fixing/Installation

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.

Guarantee

To back up the high quality performance guarantee and durability of the Briton 376E series, it is 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.

Special Applications

For special applications outside those mentioned within this brochure please contact technical support 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 376E series is available through a nationwide network of architectural ironmongers and builders' merchants.

For your local stockist please contact the Customer Care Centre on **08706 012 012** or visit our website www.securitytechnologies.ingersollrand.co.uk

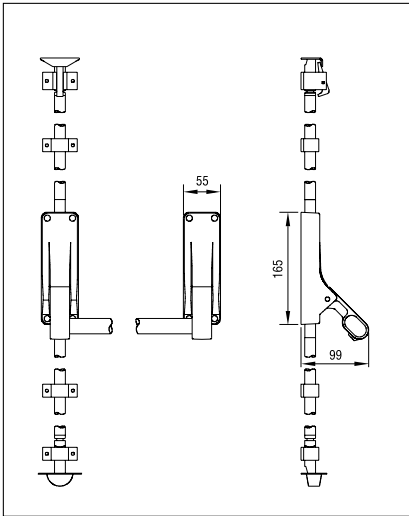
Other products to EN 1125 include the Briton 500 range of panic exit devices featuring multi point locking.

Further details available on request.

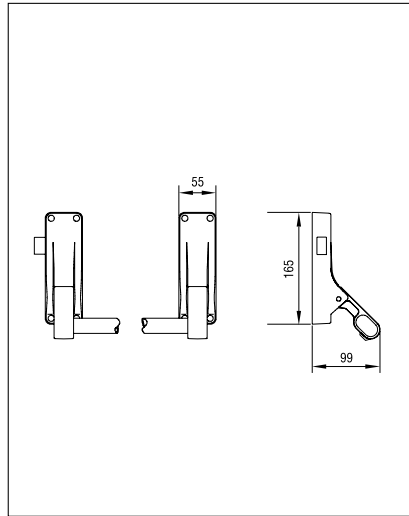


Briton 570 series panic exit touch bars.

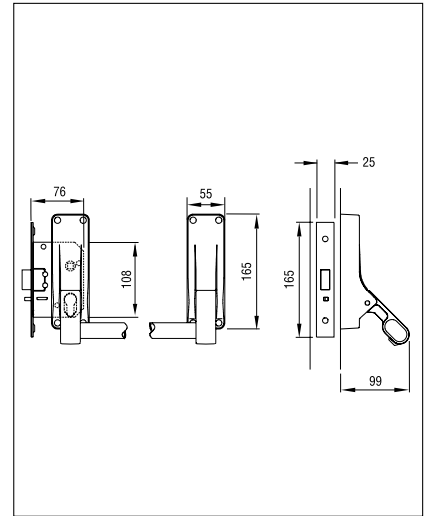
Briton



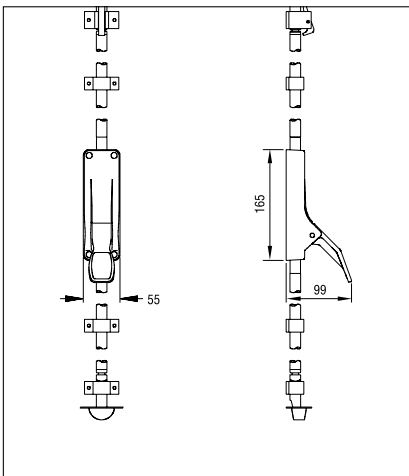
Briton
376E, 376E-D, 376E-P, 376E-PD, 376E-A



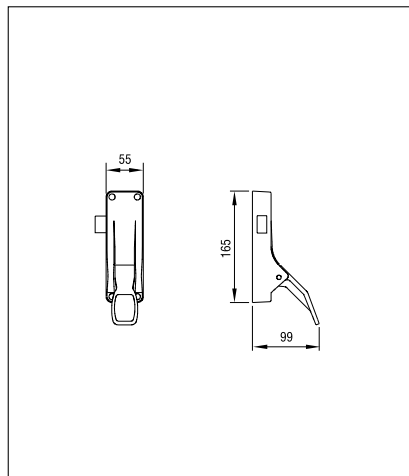
Briton
378E, 378E-D



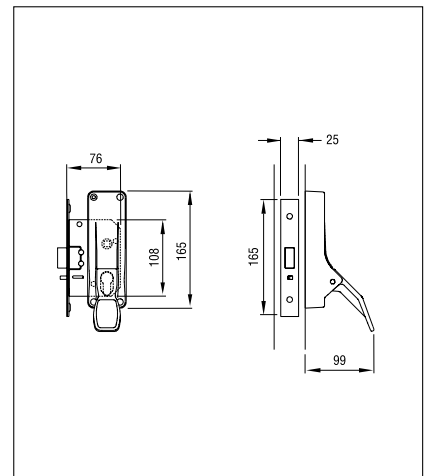
Briton
379E-N, 379E-NA, 379E-ND



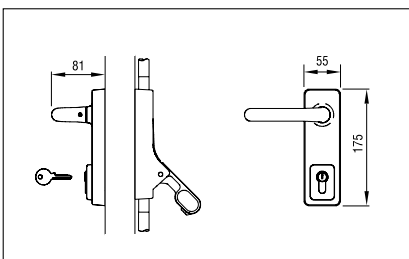
Briton
372E, 372E-P



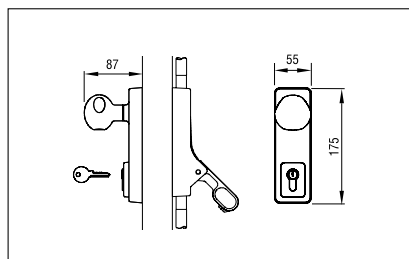
Briton
1438E



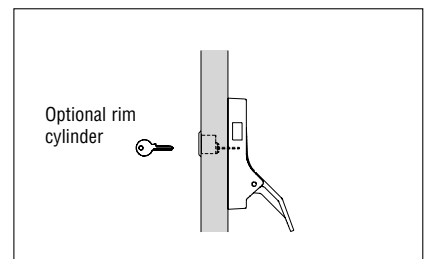
Briton
389E-N



Briton
1413E/LE



Briton
1413E/KE



Legge
816

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



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Website www.acornironmongery.com

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