

Strand Antipanic Emergency Exit and Panic Hardware

the best way
out





Strand Antipanic Emergency Exit and Panic Hardware

This catalogue shows the Strand Antipanic Emergency Exit and Panic Hardware range which is a result of European collaboration, designed and engineered in Italy and assembled in the UK. This has produced the ultimate range of reversible escape devices combining ease of operation, simplicity of fixing and aesthetic appearance.

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European Standards



Architects and Specifiers are increasingly influenced to specify only CE marked products for fire and escape doors. This is the best practice to ensure products comply with the essential requirements of the Construction Product Regulations. From 2010 only those devices which have been CE marked may be used. All Strand Antipanic Emergency Exit and Panic Hardware have been successfully tested and meet the requirements.

To comply with the Construction Product Regulations we have to supply declarations of Performance for CE marked products, these are available on our website.

Specifications and Testing

EN 1125: 2008	EN 179: 2008
All devices of Panic Hardware with full width cross arm or touch bar	All devices of Emergency Exit Hardware with push pad
Suitable for use in all public buildings where people are unfamiliar with the surroundings	Suitable for use in offices and premises where people are familiar with the surroundings and exits which limits the risk of a panic situation developing

- All devices are CE marked and include classification information
- Hardware has passed strenuous wear and durability tests successfully completing 200,000 cycles required
- No modifications of any kind other than those described in the installation instructions are permitted

Classifications explained

Panic Hardware (EN 1125: 2008)	Emergency Exit devices (EN 179: 2008)
3-7-7-B-1-4-2-2-A-A [3] Suitable for use in high frequency applications [7] Tested to 200,000 cycles [7] For door mass over 200kg [B] Suitable for use on fire/smoke door assemblies [1] Safe for use on escape route doors [4] Very high corrosion resistance (240 hours) [2] with grade 2 security level 1000N [2] With horizontal bar projection up to 100mm [A] A 'push bar' type A panic exit device [A] For use on outward opening single & double doors, active or inactive leaf	3-7-7-B-1-4-4-2-B-A [3] Suitable for use in high frequency applications [7] Tested to 200,000 cycles [7] For door mass over 200kg [B] Suitable for use on fire/smoke door assemblies [1] Safe for use on escape routes [4] Very high corrosion resistance (240 hours) [4] With grade 4 security level 3000N [2] With projection to up 100mm [B] A 'push pad' type B emergency exit device [A] For use on outward opening single & double doors, active or inactive leaf

Certification

Certification of products has been carried out in Italy by ICIM (the Certification Institute for the Mechanical Engineering Industry)

Where in an emergency or panic situation Strand Antipanic devices are designed to release exit doors by means of a push bar, touch bar or a push pad on outward opening single or double doors. Doors can be opened from the outside with the option of an outside access device, but even when the door is locked from the outside they can still freely be released from inside.

Ordering instructions

1. Product range, PH (Crossarm/push pad modular range), PHT (Touch bar range), PHTM (Motorised touch bar range)
2. Panic Bolt (Vertical Pullman latches at top and bottom), or Single or 3 point latch (horizontal Pullman latches)
3. Door/frame material (If PVCu profile name is also required)
4. Single leaf or pair of doors (if double doors are they rebated or straight edged?)
5. If outside access is required
6. Size of door (if larger than standard size is required)
7. Finish required

Specifications and testing

All devices of Panic Hardware with cross arm or touch bar have been tested and certified to EN 1125, all devices of Emergency Exit hardware with push pad have been tested and certified to EN 179. This has been identified throughout the catalogue.



Indicates device is tested, certified and CE marked to EN1125



Indicates device is tested, certified and CE marked to EN179

Product Finishes



Key to Strand Hardware's product finishes

Powder Coated		Plated Finishes	
Finish Code	Description	Finish Code	Description
(00)	*Other colours	SSSP (44)	Satin Stainless Steel Plated
EPS (20)	Silver	SSGN (84)	Satin Stainless Steel Plated with Green cross arm
EPB (01)	Black		
EPW (25)	White	PSSP (55)	*Polished Stainless Steel Plated finish
SGN (82)	Silver with Green cross arm	BP (43)	*Polished Brass Plated finish
BGN (81)	Black with Green cross arm		
BSR (80)	Black with SAA cross arm		

* Plated finishes and other colours can be produced to special order

The following images illustrate the different finishes across the panic hardware range.



Silver



Black



White



Stainless Steel



Touchclean™ antibacterial coating can be applied to all panic hardware devices to the surface of a push bar, push pad or touch bar. Infectious bacteria are spread by direct contact, airborne or by people touching everyday objects. In a building, door hardware is a product touched by nearly everyone. Cleaning after each contact would be impossible, so what if the surface of the hardware could kill the bacteria on its own?

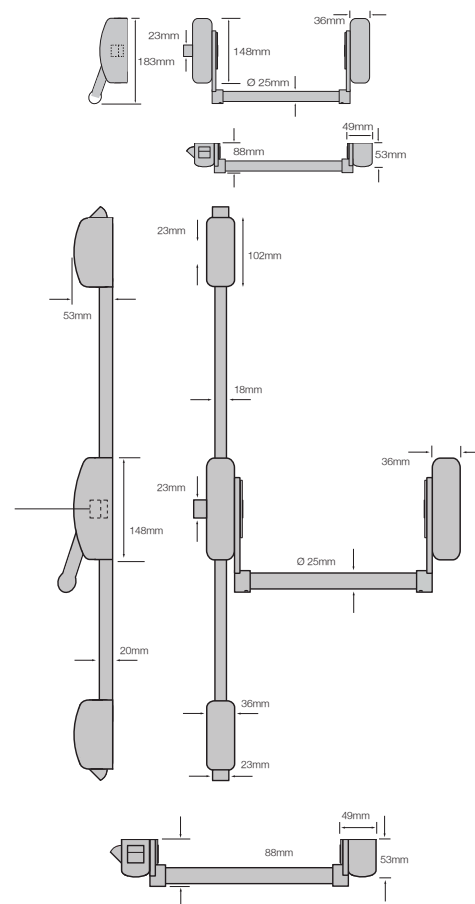
The purpose of Touchclean™ is to eliminate the bacteria, toxins and debris providing a near sterile, hygienic and safe area. The coating is more effective than bleach, works 24/7 and lasts for years. It provides protection against many types of bacteria, viruses, moulds and other organic infectious agents, leaving the surface clinically clean.



Modular Range with Push Bar



Technical Drawings



Technical drawings applicable to PH350, PH355, PH357



All Panic Hardware devices (with full width crossarm) have been tested and certified to EN 1125: 2008 (classification 3-7-7-B-1-4-2-2-A-A)

Strand Antipanic Modular Push Bar Range

- The modular push bar panic exit device range comprises a full width cross bar and modular components (standard mechanism, idler and cross arm).
- The range offers a large degree of flexibility and can provide 1, 2 and 3 point latches (with horizontal or side entry Pullman latches) and 2 or 3 point bolts (with vertical Pullman latches).
- Suitable for public buildings (such as hotels, schools, retail outlets, hospitals, nightclubs) where people are unfamiliar with surroundings.
- Standard devices suitable for doors upto 2585mm high, 1050mm wide, for larger doors variations available to suit doors upto 3150mm high, 1450mm wide

Application

- Supplied with striker plates for timber doors
- Strikers also available for PVC-U, Aluminium and Steel doors (Please specify when ordering)

Dogging facility:

Dogging should not be used on the fire/smoke door assemblies

- The modular range is available with a dogging or hold-back facility
- Can only be used on escape doors
- If required specify when ordering

Microswitch

- The modular cross bar range can be provided with a micro-switch contained in either the operating mechanism or idler.
- If required please specify at the time of ordering stating the micro-switch location.

Outside access

- Optional outside access devices with lever handle or knob to provide entry from the outside (See page 14 for further information)



Finishes

Powder coated finishes

Silver EPS (20)
 Black EPB (01)
 White EPW (25)
 Silver with Green crossarm SGN (82)
 Black with Green crossarm BGN (81)
 White with Green crossarm WGN (85)
 Black with SAA crossarm BSR (80)
 Other colours (00)

Plated finishes

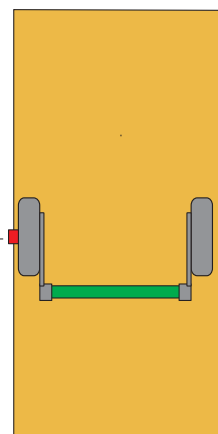
Satin Stainless Steel Plated SSSP (44)
 Satin Stainless Steel Plated with Green
 cross arm SSGN (84)
 *Polished Stainless Steel Plated PSSP (55)
 *Polished Brass Plated BP (43)

**Touchclean™ antibacterial coating available
 to special order**

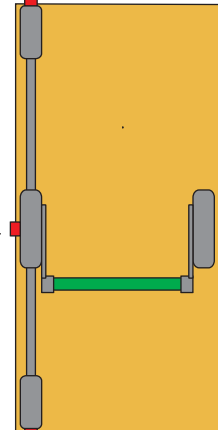
**Various other RAL colours and *plated finishes
 are available on request.**

Please contact us to enquire

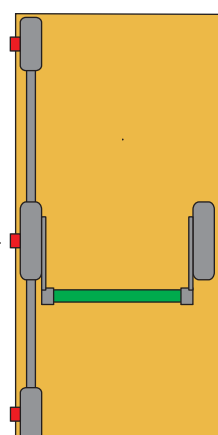
PH350 Reversible single point panic latch



PH355 Reversible three point panic bolt



PH357 Reversible three point panic latch





Modular Range with Push Pad



Strand Antipanic Modular Push Pad Range

- The push pad emergency exit range comprises of modular components together with a push pad
- The range offers a large degree of flexibility and can provide 1, 2 and 3 point latches (with horizontal or side entry Pullman latches) and 2 or 3 point bolts (with vertical pullman latches).
- Suitable for offices and buildings where people are familiar with the exits and hardware therefore a panic situation is unlikely to develop

Application

- Supplied with striker plates for timber doors
- Strikers also available for PVC-U, Aluminium and Steel doors (Please specify when ordering)

Dogging facility:

Dogging should not be used on the fire/smoke door assemblies

- The modular range is available with a dogging or hold-back facility
- Can only be used on escape doors
- If required specify when ordering

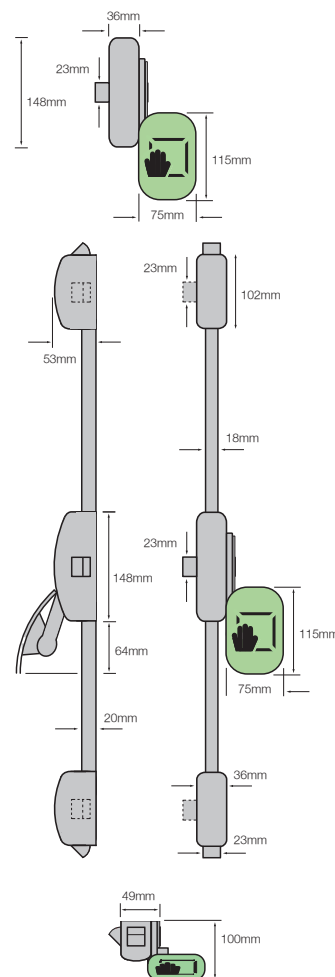
Microswitch

- The modular Push Pad range can be provided with a microswitch contained in the operating mechanism.
- If required please specify at the time of ordering.

Outside access

- Optional outside access devices with lever handle or knob to provide entry from the outside (See page 14 for further information)

Technical Drawings



Technical drawings applicable to PH352, PH356, PH358



All the devices of Emergency Exit Hardware (with push pad) have been tested and certified to: EN 179:2008 (Classification: 3-7-7-B-1-4-4-2-B-A)



Finishes

Powder coated finishes

Silver EPS (20)
Black EPB (01)
White EPW (25)

Plated finishes

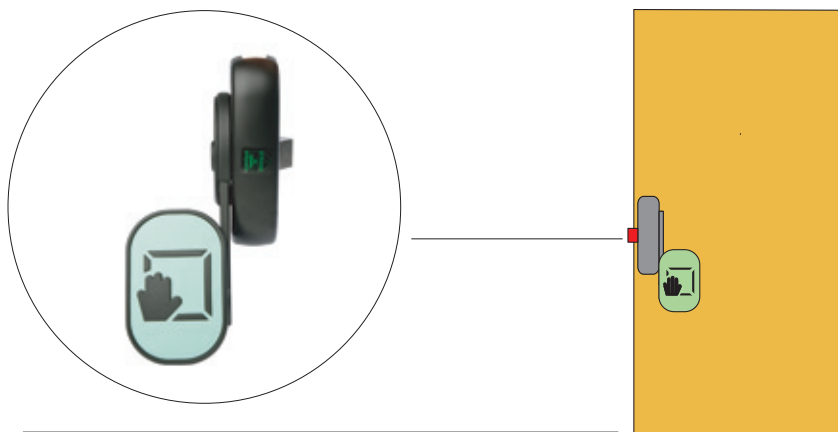
Satin Stainless Steel Plated SSSP (44)
Polished Brass Plated BP (43)*
Polished Stainless Steel Plated PSSP (55)*

Touchclean™ antibacterial coating available to special order

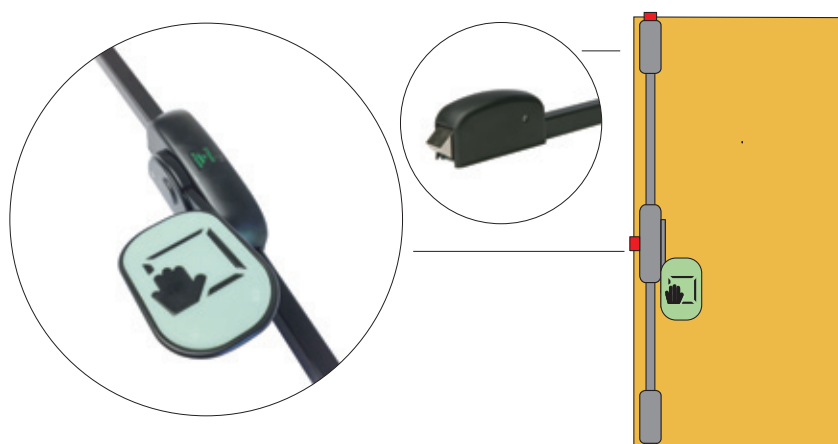
***Various other RAL colours and plated finishes are available on request.**

Please contact us to enquire

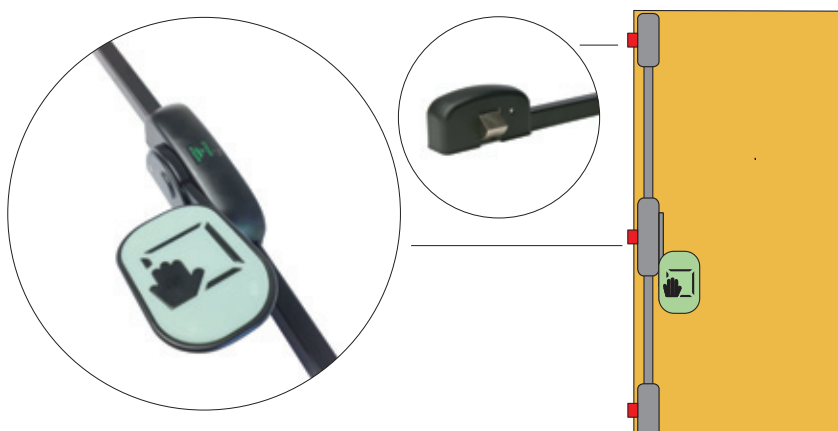
PH352 Single Push Pad Latch



PH356 3 Point Push Pad Bolt



PH358 3 Point Push Pad Latch





Touch Bar Range



Strand Antipanic Touch Bar Range

- The touch bar panic exit range comprises a full width touch bar and modular components
- The range offers a large degree of flexibility and can provide 1, 2 and 3 point latches (with horizontal or side entry Pullman latches) and 2 or 3 point bolts (with vertical pullman latches) and is supplied with dogging as standard (can be provided without if required).
- Standard size touch bar, 840mm, is suitable for doors up to 860mm wide, for doors exceeding these dimensions extra wide touch bars of 1170mm and 1300mm are available

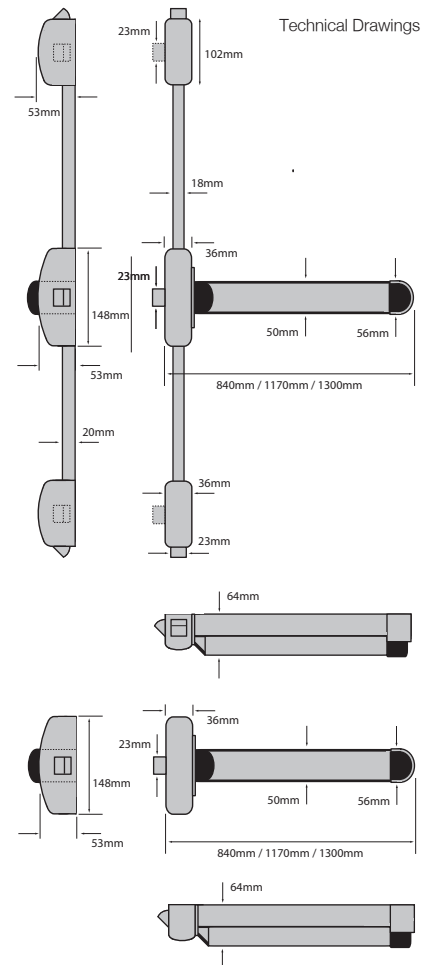
Application

- Supplied with striker plates for timber doors
- Strikers also available for PVC-U, Aluminium and Steel doors (Please specify when ordering)

Dogging facility:

Dogging should not be used on the fire/smoke door assemblies

- The touch bar range is available with dogging (hold open facility) as standard, it can be supplied without if required



Technical drawings applicable to PHT50, PHT55, PHT57



All the devices of Panic Hardware (with full width touch bar) have been tested and certified to: EN 1125:2008 (Classification: 3-7-7-B-1-4-2-2-B-A)

Microswitch

- The Modular Touch Bar range can be provided with a microswitch contained in either the operating mechanism or push bar
- If required please specify at the time of ordering stating the micro-switch location.

Outside access

- Optional outside access devices with lever handle or knob to provide entry from the outside (See page 14 for further information)



Finishes

Powder coated finishes

Silver EPS (20)
 Black EPB (01)
 White EPW (25)
 Black with Green cross arm BGN (81)
 Black with SAA cross arm BSR (80)
 Silver with Green crossarm SGN (82)

Plated finishes

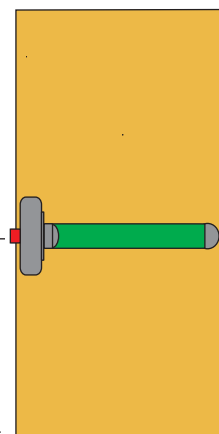
Satin Stainless Steel Plated SSSP (44)

Touchclean™ antibacterial coating available to special order

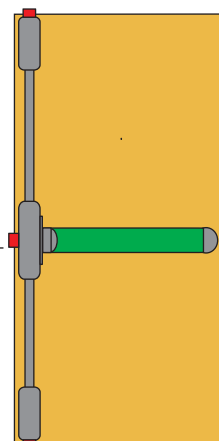
Various other RAL colours and plated finishes are available on request.

Please contact us to enquire

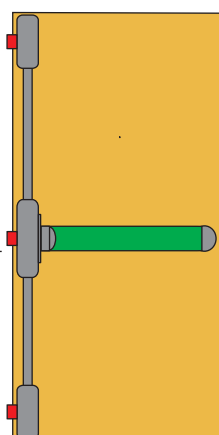
PHT50 Single Point Touch Bar Latch



PHT55 3 Point Touch Bar Bolt



PHT57 3 Point Touch Bar Latch

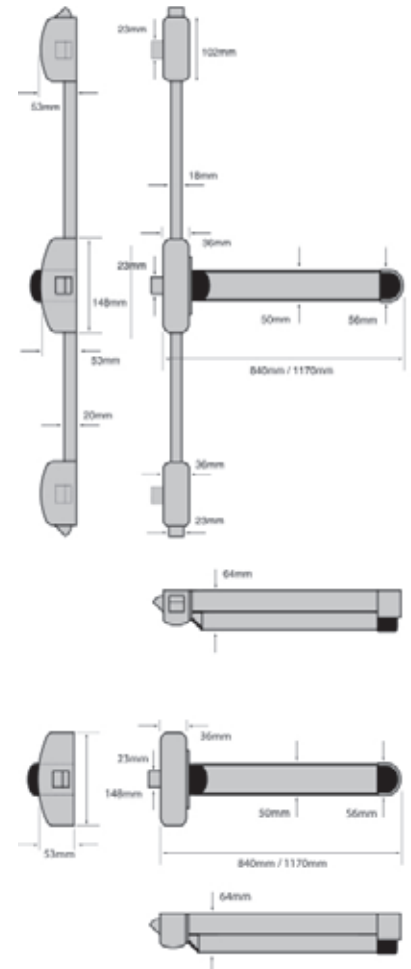




Motorised Touch Bar Range



Technical Drawings



Technical drawings applicable to PHTM0, PHTM5, PHTM7



All Panic Hardware devices (with full width touch bar) have been tested and certified to EN1125:2008 (Classification 3-7-7-B-1-4-2-2-B-A)

Strand Antipanic Motorised Touch Bar Range

- Similar in design to the standard touch bar, the motorised touch bar range comprises a full width touch bar and modular components.
- The range offers a large degree of flexibility and can provide 1, 2 and 3 point latches and 2 or 3 point bolts.
- Standard size motorised touch bar, 840mm, is suitable for doors up to 860mm wide, for doors exceeding these dimensions extra wide touch bars of 1170mm and 1300mm are available
- Can be connected to a variety of access entry systems such as a digital keypad, proximity reader or swipe card to allow controlled access from outside
- Operates on 12-30v DC or 12-20v AC
- 1 amp power supply

Application

- Supplied with striker plates for timber doors
- Strikers also available for PVC-U, Aluminium and Steel doors (Please specify when ordering)

Dogging facility:

Dogging should not be used on the fire/smoke door assemblies

- Not supplied as standard but is available with a dogging or hold-back facility (If required please specify when ordering)
- Can only be used on escape doors

Microswitch

- The motorised touch bar range can be provided with a microswitch contained in the operating mechanism
- If required please specify at the time of ordering stating

Outside access

- Optional outside access devices with lever handle or knob to provide entry from the outside (See page 14 for further information)



Finishes

Powder coated finishes

Silver EPS (20)
Black with Green cross arm BGN (81)

Plated finishes

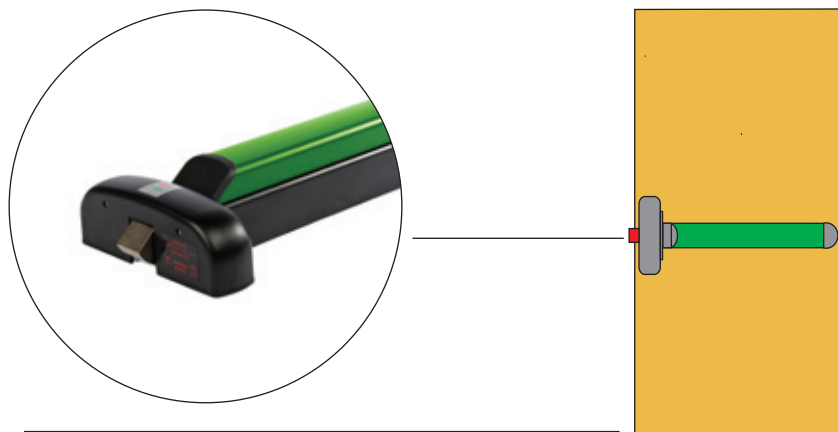
Satin Stainless Steel Plated SSSP (44)

Touchclean™ antibacterial coating available to special order

Various other RAL colours and plated finishes are available on request.

Please contact us to enquire

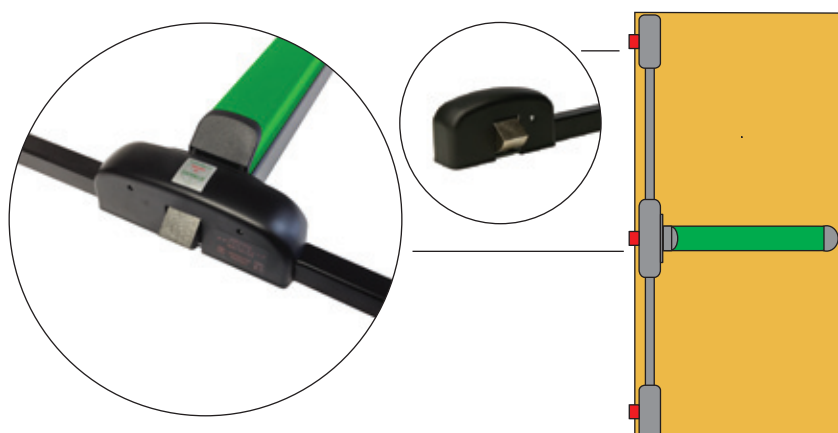
PHTM0 Single Point Motorised Touch Bar Latch



PHTM5 3 Point Motorised Touch Bar Bolt



PHTM7 3 Point Motorised Touch Bar Latch



Glass Door Fittings

Patch fittings for glass doors are now available for the modular push bar, push pad and touch bar ranges.

- Supplied in kits which are quick and easy to install
- Available for single and 2 or 3 point latches and bolts
- Variety of finishes available

Part No	Description
PH650	Patch fittings for latch
PH652	Patch fittings for push pad latch
PH655	Patch fittings for panic bolt
PH656	Patch fittings for push pad bolt
PH6T0	Patch fittings for Touch Bar latch
PH6T2	Patch fittings for Touch Bar bolt
PH640	Patch fittings for striker



Powder coated finishes	Plated finishes
Silver EPS (20) Black EPB (01) White EPW (25)	Satin stainless steel plated SSSP (44)

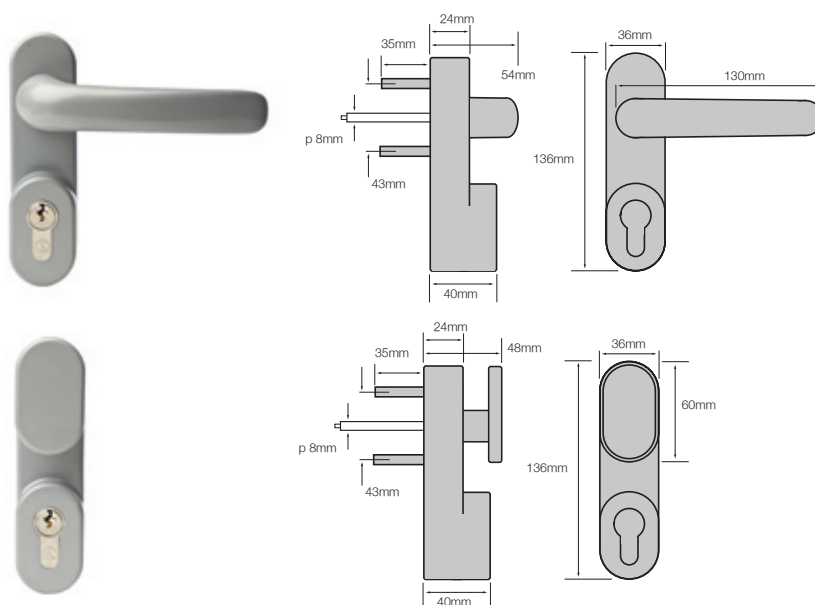
Other colours are available, please enquire

Please note: To assist in specifying the correct patch fittings we would need a detailed dimension drawing of the glass door.

Outside Access Devices



Strand Antipanic outside access devices



Description

- Optional outside access device (OAD) with level handle or knob available for use with modular and touch bar ranges.

Application

- Where outside access is required two threaded screws allow the centre mechanism of the device and outside access to be bolted securely together
- Standard spindle suitable for doors up to 100mm thick
- OAD comes complete with a standard 40mm half euro cylinder
- In addition to the standard type of OAD a key retaining version is available (key can only be withdrawn in the locked position)
- Keyed alike and high security options available to order.

Powder coated finishes	Plated finishes
Silver EPS (20) Black EPB (01) White EPW (25)	Satin Stainless Steel Plated SSSP (44)

Other RAL colours and plated finishes available to special order

PH361-01	With lever handle Complete with standard cylinder
PH361-02	With lever handle Key retaining version Complete with standard cylinder
PH371-01	With knob Complete with standard cylinder
PH371-02	With knob Key retaining version Complete with standard cylinder



ES500

Description

- Outside access digital lock

Finishes

Available in Satin Stainless Steel or Polished Brass finish.



Application

- Specifically adapted for use with Antipanic modular push bar, push pad and touch bar devices
- Keypad side only supplied
- Please order together with PH109053M plate for connecting to outside access device

PH381 Electronic Outside Access Device

- Device can be used with single, two or three point latches or bolts where controlled access is required
- Unit comes complete with key over-ride as standard
- Can be connected to a variety of access entry systems to allow visitors to enter:
 - Digital keypad
 - Proximity reader
 - Swipe card
 - Push button
- A signal is sent to the unit allowing the visitor approximately 5 seconds to open the door (indicated by green LED) and then re-sets automatically to secure mode.



Pullman Latches and Covers



Description

- Pullman latches complete with covers are available in either vertical or horizontal (side entry) versions

Size of doors

- All Strand Antipanic 3 point devices are supplied with standard size rods and covers which are suitable for doors up to 2585mm high
- Longer versions of rods and covers are available for doors up to 3150mm high (PH35K9L)

PH35K73 Pair of Vertical Pullman latches and covers



Silver



Black



White



Stainless Steel

Rods supplied separately, see below.

PH35K83 Pair of Horizontal Pullman latches and covers



Rods supplied separately, see below.

PH35K93 Set of Rods and covers

Suitable for doors up to 2585mm high

PH35K9L Set of Extra-long rods and covers

Suitable for doors up to 3150mm high

Powder Coated Finishes

Black EPB (01)
Silver Anodised EPS (20)
Green (24)
White EPW (25)



Crossarms and Push Pads

PH311 Crossarm (push bar)

Application

- Aluminium reinforced crossarm suitable for modular and mortice push bar devices

Variants	
Part No.	Lengths
PH311-01	950mm
PH311-02	1150mm
PH311-03	1450mm

Powder coated finishes	Plated finishes
Silver EPS (20) Black EPB (01) White EPW (25) Green (24)	Satin Stainless Steel Plated SSSP (44)

Other plated finishes and RAL colours are available on request. Please contact us to enquire

PH3350 Push pad with insert

Application

- The push pad features a green photoluminescent insert.

Powder coated and Plated finishes



White EPW (25)



Satin Stainless Steel
Plated SSSP (44)



Black EPB (01)



Silver EPS (20)

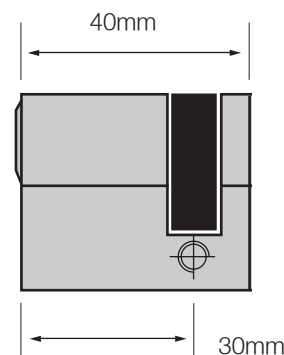
Other plated finishes and RAL colours are available on request. Please contact us to enquire

Cylinders and Key Blanks



Euro-profile half cylinders	
Part No	Description
PH1090	40mm standard
PH1090-K	40mm Keyed alike
PH1091	40mm High security
PH1091-K	40mm High security keyed alike

Finishes
Nickel plated



PH392 Rim cylinder adapter plate

- Rim cylinder adapter plate for use with a rim cylinder for outside access
- Suitable for both single point push pad and push bar panic latches
- Strand Hardware do not supply rim cylinders



Key Blanks

PH1010 Standard
PH1030 High security

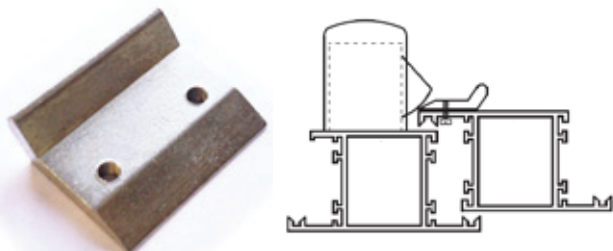
Can be ordered to allow extra keys to be cut.

Some typical applications are shown below, if you are unsure which striker you require please enquire. For PVC-U doors we have a range of profile related strikers, we can advise the appropriate striker if you have the name of the profile or a door and frame section drawing.

PH4300

Application

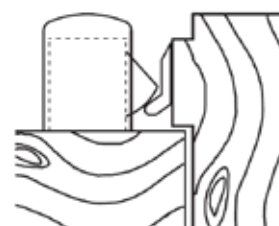
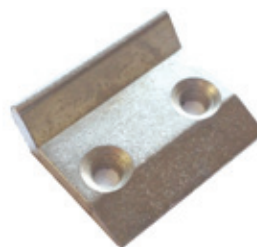
- Top and centre striker for aluminium and steel flush applications



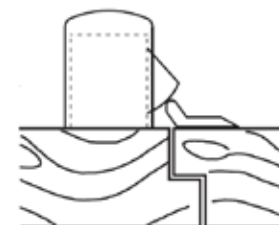
PH4303

Application

- Top and centre striker for recessed or flushed timber applications



PH4303 Timber Recessed'



PH4303 Timber flush'

PH4304

Application

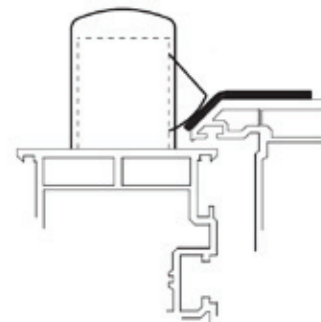
- Standard floor striker



EX9310

Application

- A range of strikers for chamfered or sculptured PVC-U profiles, used with top and centre latches



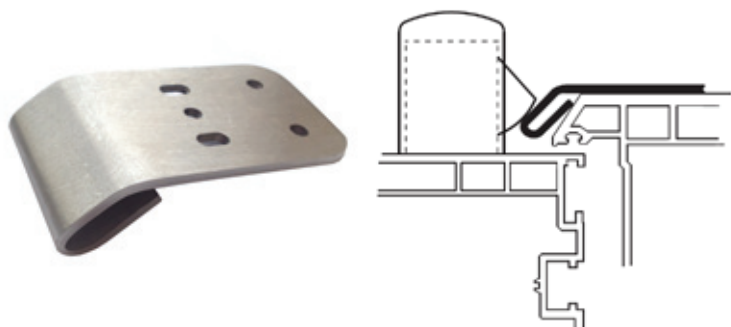
Important: For PVC-U we can specify appropriate striker if you advise profile name or supply a door and frame section drawing.



EX9311

Application

- A range of strikers for PVC-U profiles, used with top and centre latches. Image below is an example of one from a range of EX9311 strikers



Important: For PVC-U we can specify appropriate striker if you advise profile name or supply a door and frame section drawing.

EX9304-7 *

Application

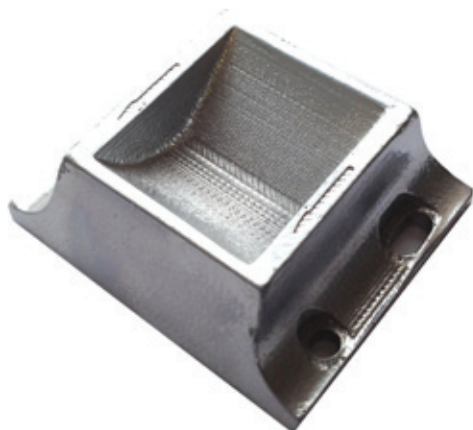
- Alternative striker for aluminium and timber frame striker



EX9304-6 *

Application

- Easy clean floor striker for use when bolt is dogged



Striker has not been tested on fire and smoke door assemblies

- For a pair of straight edge doors two panic bolts should be fitted
- For a pair of rebated doors a panic latch should be fitted to the first opening leaf, using striker PH4303 (for timber) or PH4300 (for aluminium) and a panic bolt (latching top and bottom) fitted to the second opening leaf
- For extra security a 3 point panic latch may be used on the first opening leaf



Mortice Push Bar



PHM55 Standard mortice push bar



PHM55 Automatic mortice push bar



All the devices of Panic Hardware (with full width touch bar) have been tested and certified to:
EN 1125:2008 (with full width crossarm)

Strand Antipanic mortice push bar

- The Antipanic 3 point standard or automatic mortice push bar devices comprise of a concealed lock case available in 30 or 35mm backset together with surface mounted mechanism, idler and push bar
- The tipping deadbolts on the standard version are set with the cylinder key and are released when the cross arm is pushed allowing egress
- The tipping deadbolts on the automatic version re-set automatically when the door is closed and released when the cross arm is pushed
- Both types are available with optional outside access handle and cylinder

Application

- Suitable for single, metal doors only
- Available with either 24mm wide flat faceplate or U-rail
- The mortice lock is precision engineered and will not tolerate unstable door materials
- The inherent instability of timber and PVC-U makes re-locking difficult, therefore not recommended for these materials
- Designed for outward opening single leaf doors in a panic situation
- Not suitable for use on pairs of doors unless the inactive leaf can be independently bolted (For example, when one leaf only is a designated fire exit)

Size of doors

- Suits single leaf doors only up to 1050mm wide
- For doors up to 1600mm wide extra-long cross arms are available

Powder Coated Finishes

Black with Green cross arm
BGN (81)
Black with Silver anodised
cross arm BSR (80)

Touchclean™ antibacterial finish available to special order



Mortice push bar variants

PHM55 Standard Mortice device: 3 point Mortice push bar

Part No	Faceplate
PHM55-31	30mm backset U rail faceplate
PHM55-32	35mm backset U rail faceplate
PHM55-33	30mm backset flat faceplate
PHM55-34	35mm backset flat faceplate

PHM55 Automatic Mortice Device: 3 point Mortice push bar

Part No	Faceplate
PHM55-35	30mm backset U rail faceplate
PHM55-36	35mm backset U rail faceplate
PHM55-37	30mm backset flat faceplate
PHM55-38	35mm backset flat faceplate

Information needed when ordering:

1. Thickness of the door
2. Material of the door and frame
3. Exit only or with outside access
4. Standard or high security cylinder
5. Double or half cylinder
6. Detail drawings for frame and door section for profile related strikers



Accessories for Mortice Devices

PH101 Standard euro-profile cylinder

Application

- For mortice push bar
- Various sizes available



PH103 High security euro-profile cylinder for mortice push bar

Application

- Various sizes available



PHM1080 Lever handle



PHM1003 & PHM1053 Strikers

Application

- For automatic mortice device (PHM1053)
- For standard mortice device (PHM1003)
- Aluminium doors
- Profile related, please contact us for details



Alarms and Transformers



Emergency Exit Alarm: EAMA10

Description

- Self-contained and powered by 4 AA batteries
- Alarm sounds after 10 seconds when door is opened
- Gives audible indication of unauthorised use of a protected door
- Simple installation with single magnetic contact
- Easily programmable with 4 digit security code
- 100dB siren is emitted when alarm is activated
- Low battery indicator
- Dimensions 160 (w) x 65 (w) x 35 (d)



Exit Alarm: EA1998-1

Description

- Self-contained and self-powered security device
- Gives audible indication of unauthorised use of a protected door
- Versatile, reliable and easy to fit electronic door alarm
- 97dB alarm is emitted when door opened
- Key operated override facility is incorporated into the front of the unit allowing authorised use of the door
- Built in instant or delayed alarms
- Injection moulded in red or green flame retardant polycarbonate
- 4 alternative magnetic reed positions so it can be fitted on left or right hand side or at the top of the door
- Double door version available (EA1998-2) including alarm units, magnets and contacts allowing fitment to each leaf
- Dimensions 136 (w) x 136 (h) x 50mm (d)



Transformer: EL1025

Variable power 230v (50Hz) to 4,8, or 12v AC.

Surface mounted

Dimension 85(L) x 62 (W) x 52mm (H)

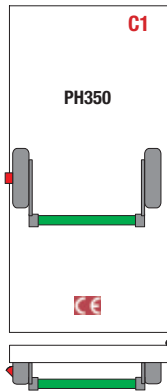




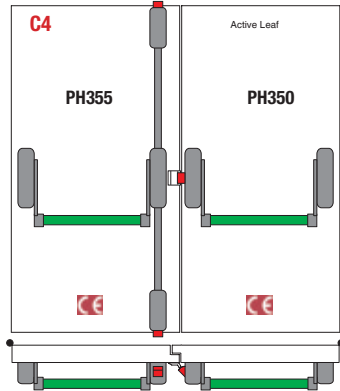
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Modular Push Bars

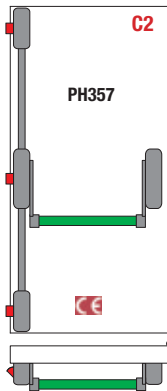
Single Door - Latch



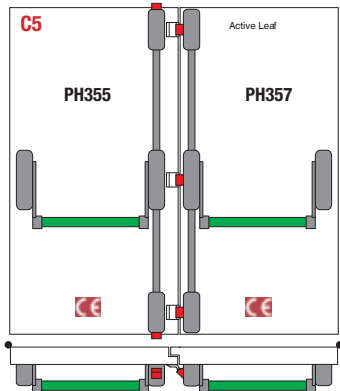
Double Door - Rebated Edge



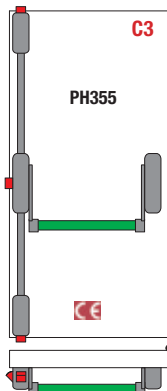
Single Door - 3 Point Latch



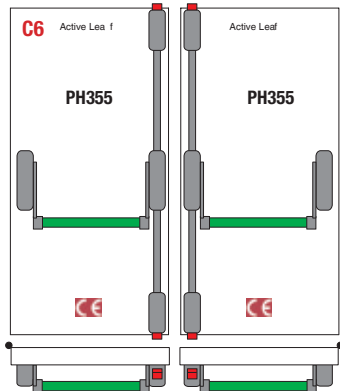
Double Door - Rebated Edge



Single Door - 3 point Bolt

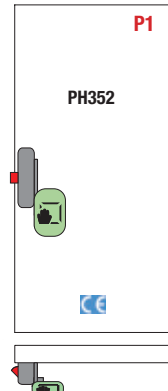


Double Door - Straight Edge

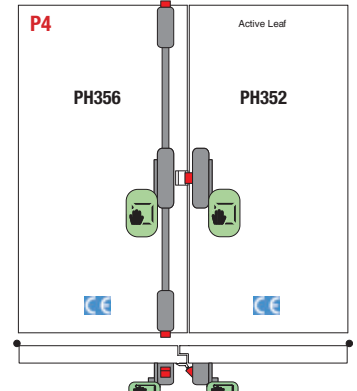


Modular Push Pads

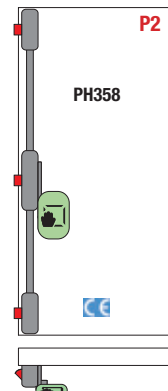
Single Door - Latch



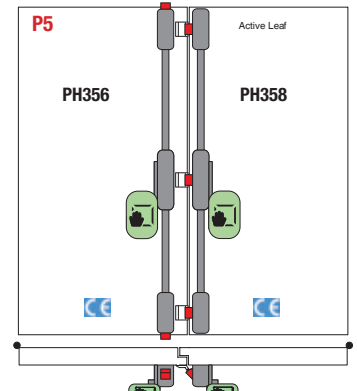
Double Door - Rebated Edge



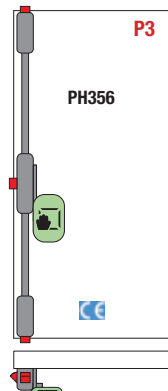
Single Door - 3 Point Latch



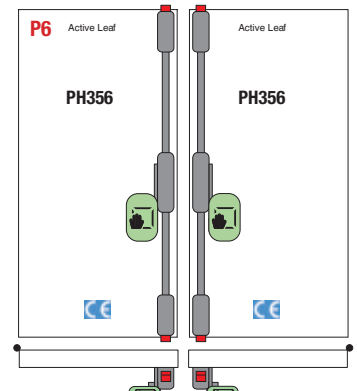
Double Door - Rebated Edge



Single Door - Bolt



Double Door - Straight Edge

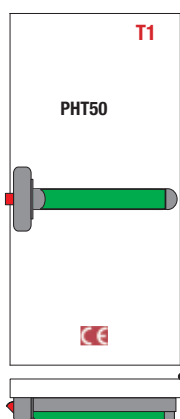


This chart is designed to help you to identify the appropriate combination of panic hardware for your doors. Please note where a two point device is shown the centre mechanism of a standard 3 point device is simply 'blanked' off by inserting a plate (supplied) under the mechanism cover to hold the centre latch back and convert it to a two point device.

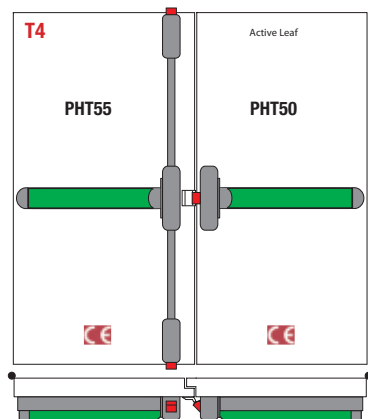


Touch Bars

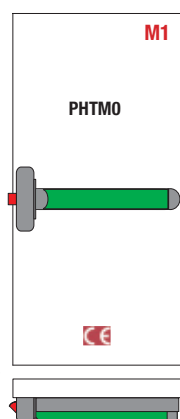
Single Door - Latch



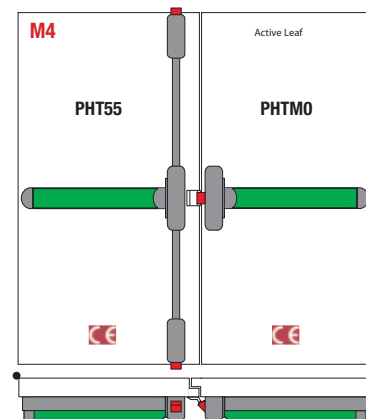
Double Door - Rebated Edge



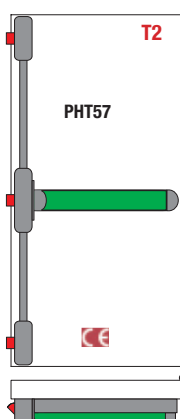
Single Door - Latch



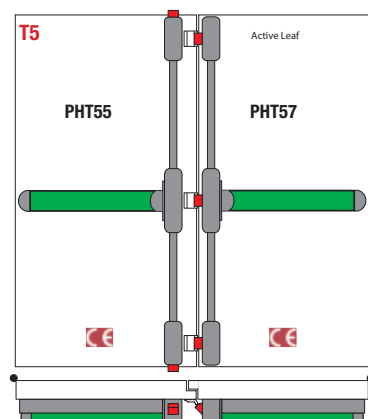
Double Door - Rebated Edge



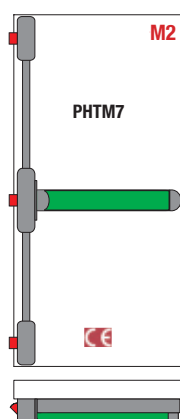
Single Door - 3 Point Latch



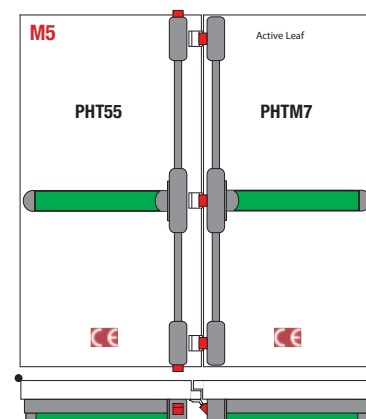
Double Door - Rebated Edge



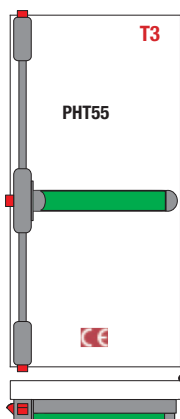
Single Door - 3 Point Latch



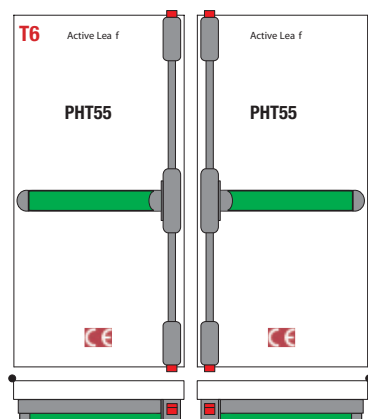
Double Door - Rebated Edge



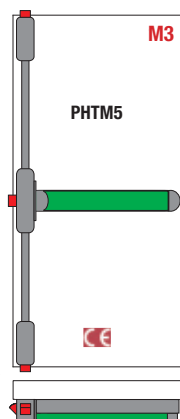
Single Door - Bolt



Double Door - Straight Edge



Single Door - 3 Point Bolt



Double Door - Straight Edge

