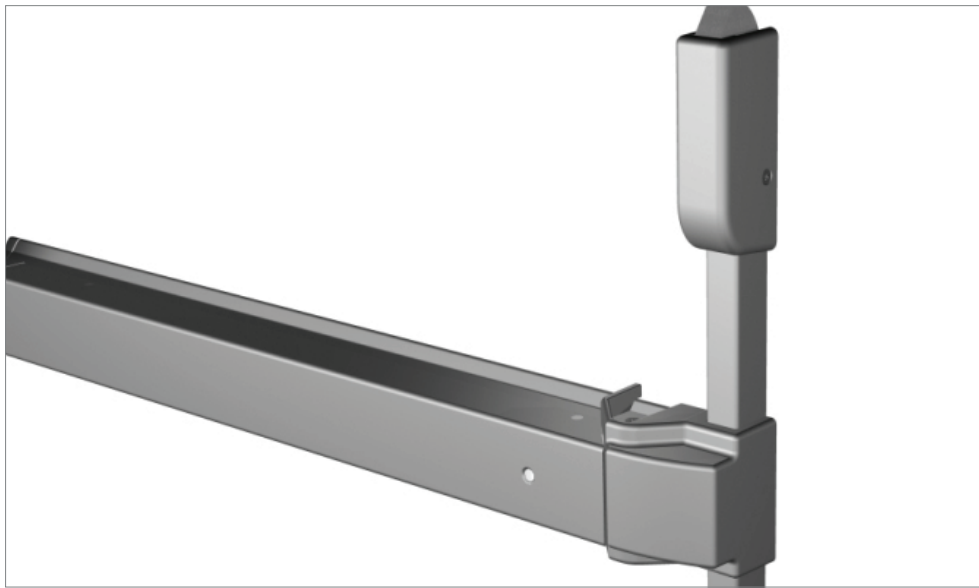


Escape Hardware

Panic | Emergency | Touchbar



Technical Details

BS EN 179: 2008 Emergency Exit Devices Operated by a Lever Handle or Push Pad.

Products tested to British and European standards provide greater durability, longer warranty periods, peace of mind and evidence of professional specification.

Products that conform to BS EN 179 offer a safe and effective route through a doorway with one single operation to release the device and can be used on premises that require prior knowledge of its operation, and where panic situations are not foreseen which therefore allows the use of the push pad or lever handle. For example offices that are not open to the public.

Under the standard each product is tested and classified accordingly to show its compliance. The identification of a 10-digit code is visible on the individual product. Each digit represents a category and how it measured against the standard to which it was tested.

Digit 1: Category of use

Only one category is identified.

3 = high frequency of use by public and others with little or no incentive to exercise care e.g. schools, areas of entertainment etc.

Digit 2: Durability

6 = tested to 100,000 cycles.
7 = tested to 200,000 cycles.

Digit 3: Door mass

5 = for doors up to 100kg.
6 = for doors up to 200kg.
7 = for doors over 200kg.

Digit 4*: Suitable for use on fire/smoke door assemblies

0 = not approved.
A = suitable for use on smoke door assemblies.
B = suitable for use on fire and smoke door assemblies.

Note: *Annex B contains additional requirements for the devices to the grades above.

Digit 5: Safety

1 = all devices have a critical safety function. Therefore only the top grade is identified for this standard.

Digit 6: Corrosion resistance to EN 1670

3 = high resistance.
4 = very high resistance.

Digit 7: Security

2 = 1000 N
3 = 2000 N
4 = 3000 N
5 = 5000 N

Note: Additional tests may be carried out to provide a high level of security.

Digit 8: Projection of device

1 = standard projection (projection of 150mm from the face of the door).
2 = low projection (projection of 100mm from the face of the door).

Note: Grade 1 does not apply to Type A operation.

Digit 9: Type of device

A = panic device using a lever handle.
B = panic device using a push pad.

Digit 10: Field of application

A = Outward opening single door, double door: active or inactive leaf.
B = Outward opening single door only.
C = Outward opening double door: inactive leaf only.
D = Inward opening single door only.

Example:

3 7 6 B 1 3 2 2 B B

The above code signifies an emergency exit device tested to 200,000 operations for a door mass of up to 200kg. Suitable for use on fire/smoke door assemblies, with a high corrosion resistance, high security and operated by a B type low projection push pad for use on an outward opening single door only.

Other devices available from Macnaughton Blair Architectural Division, whilst not covered by BS EN 179, have a use in controlled situations. The movement of people, in emergency situations, between two segregated areas and in both directions, can be covered by emergency bolts or break dome locks. For example, office to office.

The use of these devices should be with the approval of the local fire authority. They should be used only by people with prior knowledge of their function. On main fire routes, final escape doors and corridor escape routes BS EN 179 and BS EN 1125 should be strictly adhered to.

Marking:

- Manufacturers name or trademark or other means of positive identification.
- Classification as detailed.
- The number of the European standard.
- The month and year of final assembly by the manufacturer.

Technical Details

BS EN 1125: 2008 Panic Exit Devices Operated by a Horizontal Bar

Products tested to British and European standards provide greater durability, longer warranty periods, peace of mind and evidence of professional specification.

Products that conform to BS EN 1125 give a safe and effective escape through a doorway with minimum effort and without prior knowledge of the device where panic situations can be foreseen, which therefore requires a cross bar or touch bar which covers 60% of the door width. Examples would include public buildings, places of entertainment, shops and public areas where the panic situations may occur.

Under the standard each product is tested and classified accordingly to show its compliance. The identification of a 10-digit code is visible on the individual product. Each digit represents a category and how it measured against the standard to which it was tested.

Digit 1: Category of use

Only one category is identified.

3 = high frequency of use by public and others with little or no incentive to exercise care e.g. schools, areas of entertainment etc.

Digit 2: Durability

6 = tested to 100,000 cycles.
7 = tested to 200,000 cycles.

Digit 3: Door mass

5 = for doors up to 100kg.
6 = for doors up to 200kg.
7 = for doors over 200kg.

Digit 4*: Suitable for use on fire/smoke door assemblies

0 = not approved.
A = suitable for use on smoke door assemblies.
B = suitable for use on fire and smoke door assemblies.

Note: *Annex B contains additional requirements for the devices to the grades above.

Digit 5: Safety

1 = all devices have a critical safety function. Therefore only the top grade is identified for this standard.

Digit 6: Corrosion resistance to EN 1670

3 = high resistance.
4 = very high resistance.

Digit 7: Security

2 = 1000 N
Panic devices are primarily for the operation of a door from the inside and security is secondary to that of safety.

Digit 8: Projection of device

1 = standard projection (projection of 150mm from the face of the door).
2 = low projection (projection of 100mm from the face of the door).

Digit 9: Type of device

A = panic device using bar.
B = panic device using a touch bar.

Digit 10: Field of application

A = Single door, double door: active/inactive leaf.
B = Single door only.
C = Double door: inactive leaf only.

Example:

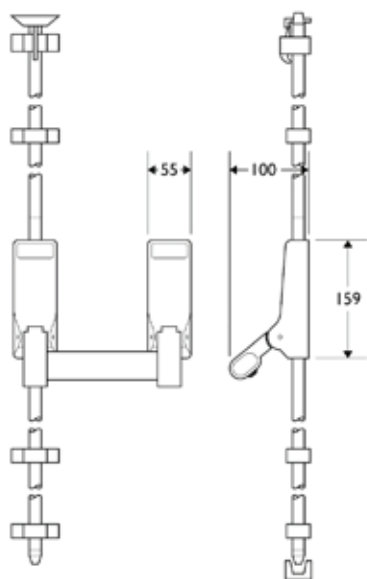
3 7 6 B 1 3 2 2 B A

The above code signifies a panic exit device tested to 200,000 operations for a door mass of up to 200kg. Suitable for use on fire/smoke door assemblies, with a high corrosion resistance, high security is operated by a low projection B type touch bar for use on outward opening single and double doors; active or inactive leaf.

Marking:

- Manufacturers name or trademark or other means of positive identification.
- Classification as detailed.
- The number of the European standard.
- The month and year of final assembly by the manufacturer.

Standard Panic Hardware



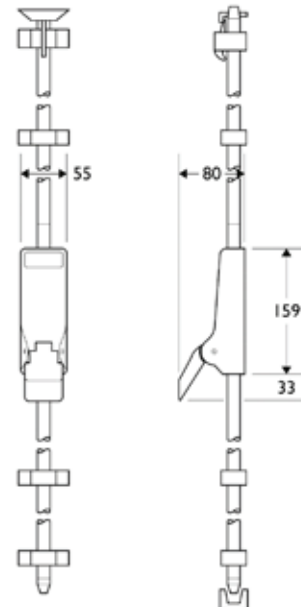
IL301

BS EN 1125 standard panic hardware is a robust crossbar system. The main body is diecast aluminium with internal mechanisms of steel. Crossbars and shoots are tubular steel with bolt ends solid steel. Latch bolts where applicable are extruded brass. Also available with pullman type latches for increased security and smoother action.

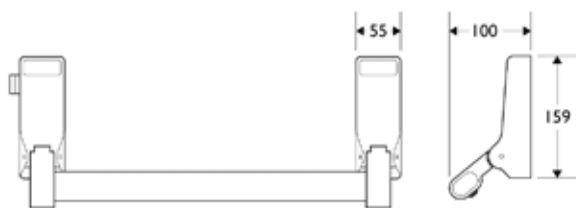
Supplied with automatic top catch and easyclean floor socket. Fitted with anti-thrust device to prevent leverage of shoot bolts.

Suitable for doors 1220mm wide and 2440mm high.

- IL301 Single panic bolt, cross bar
- IL301-P Single panic bolt, push pad
- IL301-A Single panic bolt with adjustable top shoot, cross bar type



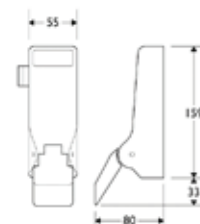
IL301-P



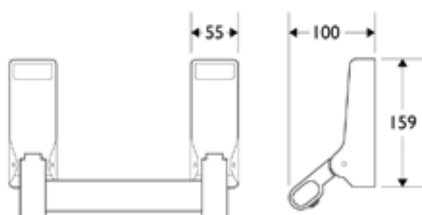
IL304

- IL304 Rim panic latch, crossbar
- IL304-P Rim panic latch, push pad

Fully reversible, single point latch. Outside access can be gained by rim cylinder (see cylinder section).



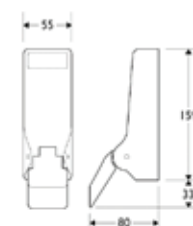
IL304-P



IL305

- IL305 Panic mortice actuator, crossbar
- IL305-P Panic mortice actuator, push pad

Each unit is supplied with its own tested deadlocking nightlatch case, which accepts a euro profile cylinder for outside access. 57mm backset.



IL305-P

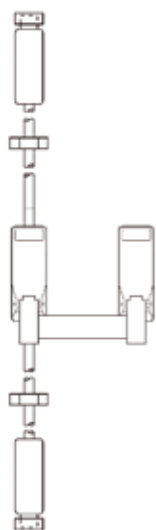
IL301-D Double door set, plain meeting styles

For use on double doors with plain meeting styles, includes templates and fixing details. (as BS EN recommendation)

IL302 Double door set, rebated meeting styles

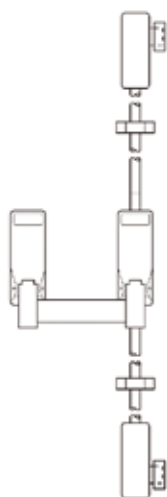
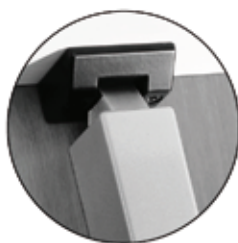
For use on double doors with rebated styles, includes templates and fixing details. (as BS EN recommendation). Kit also includes box keep and is reversible.

Standard Panic Hardware with Pullman Latches



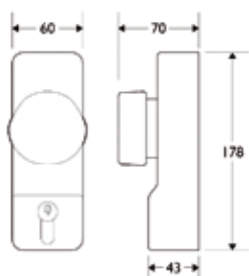
IL310 Single panic bolt, crossbar
 IL310-P Single panic bolt, push pad

Pullman latches, anti-thrust as standard complete with keeps.
 For double door with plain meeting styles use 2 x IL310.

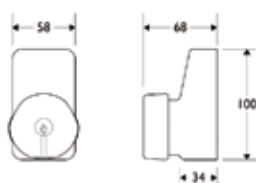


IL311 Single horizontal latches, crossbar
 IL311-P Single horizontal latches, push pad

Ideal for retrofitting or doors over 2440mm high.
 For double doors with rebated meeting styles use IL310 and IL311.



IL312 Outside access device accepts Euro or British oval single cylinder which can be incorporated into a master key system.



IL313 More economic outside access device, standard keyed only.



Finishes

Silver, gold, black or white as standard. Any RAL colour, simulated stainless steel, polished brass, polished chrome.



Standards

BS EN 1125
 BS EN 179



Fixings

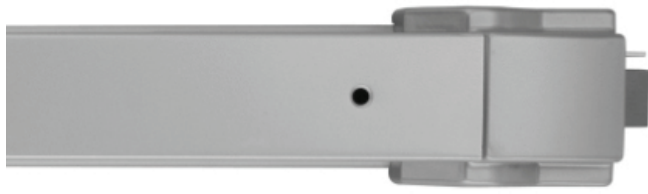
Supplied for timber doors.
 Other variations on request.



Options

IL314 Hex key dogging (hold open) for 2 point only. Available micro-switched (MS). Extended height available. IL315 Exit Alarm For 2 point only. IL316 Box keep for double doors.

Touchbar Panic Hardware

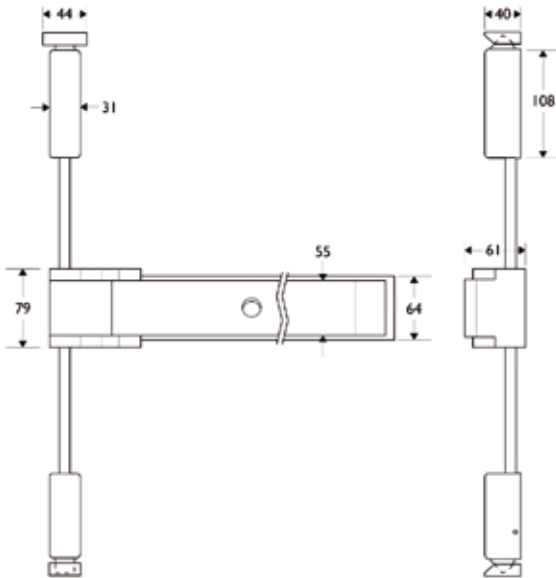


The touchbar range includes a dogging device as standard operated by the allen key supplied.

All touchbars have features such as the pad fitting over the mechanism unit and the angled lip which prevent the units being jammed intentionally.

The horizontal bar also includes cut-outs to grip the unit, enabling the door to be pulled shut after use.

All units include anti-thrust bolts as standard.



IL322-A 2 point (top and bottom) rim device, with anti-thrust bolts. For doors up to 900mm wide and 2440mm high.

IL322-B 2 point (top and bottom) rim device, with anti-thrust bolts. For doors up to 1200mm wide and 2440mm high.

IL323-A 3 point (top, bottom and centre) rim device with anti-thrust bolts. For doors up to 900mm wide and 2440mm high.

IL323-B 3 point (top, bottom and centre) rim device with anti-thrust bolts. For doors up to 1200mm wide and 2440mm high.

IL320-A Single point mortice latch actuator, for doors up to 900mm wide.

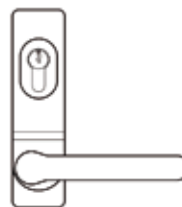
IL320-B Single point mortice latch actuator, for doors up to 1200mm wide.

Both units above are supplied with their own tested deadlocking nightlatch case, which accepts euro profile cylinder for outside access 57mm.



IL321-A Single point rim device, with anti-thrust bolts, suitable for doors up to 900mm wide.

IL321-B Single point rim device, with anti-thrust bolts, suitable for doors up to 1200mm wide.



IL324 Outside access device non handed, suitable for use with Euro or British oval cylinder which can be incorporated into master key system.



Finishes

Silver, gold, black or white as standard. Any RAL Colour, simulated stainless steel, polished brass, polished chrome.



Fixings

Supplied for timber doors. Suitable fixings for any other door construction available on request.



Standards

BS EN 1125

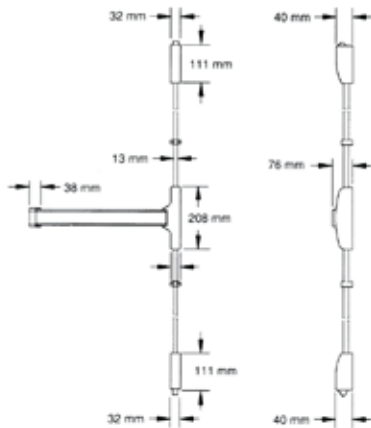


Options

Can be microswitched and/or without bolt as slave switch. Various keeps available for any door detail. Extended height option on request.

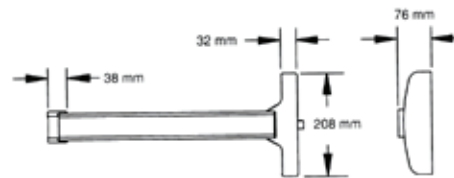
ANSI Panic Hardware

The touch bar on these panic devices will meet the most demanding requirements of any building. All products in the ANSI series can be equipped with electronic controls as an option. For example, the device can be linked into an access control system or an automatic swing door operator. Ask your technical representative for assistance. Suitable for doors up to 1220mm wide and 2440mm high.



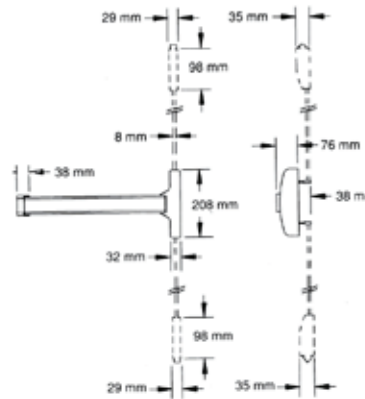
IL307
Rim Panic Bolt

Face fixing, unit, with anti-thrust pullman type latch bolts top and bottom.



IL306 Rim Panic Latch

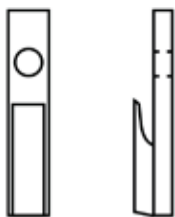
Face fixing, 19mm anti-thrust latch bolt, single point locking.



IL308
Single Panic Bolt,
Concealed Rod

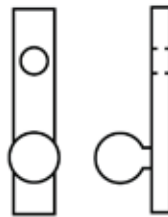
Surface mounted actuator with concealed rods, ideally suited to the fabrication market for aluminium or steel doors. 2 point (concealed top and bottom).

OUTSIDE ACCESS



IL309-P Cylinder Retracts Latchbolt

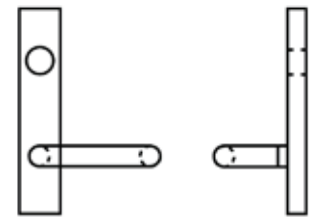
Trim with finger pull is prepared for specific cylinder profile, and each trim accepts only that cylinder.



IL309-K Lockable Knob

Key locks or unlocks knob which retracts latchbolt.

IL309-LK Lockable Knob
Same as IL309-K function but key removable only when locked.



IL309-L Lockable Lever

Key locks or unlocks lever which retracts latchbolt.

IL309-LL Lockable Lever
Same as IL309-L function but key removable only when locked.

CYLINDER ADAPTOR KITS

IL310

Internal mechanism adaptor to allow the use of outside access trim if required (K43/K44).

IL309-P

EP – Accepts Euro-profile half cylinder
SO – Accepts Swedish oval rim cylinder
AR – Accepts American-style rim cylinder



FINISHES

Satin stainless steel. Polished brass.



STANDARDS

BS EN 1225
UL Listed
A.N.S.I.



OPTIONS

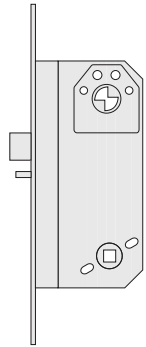
CD - cylinder dogging
BPA - battery powered exit alarm
ES - Electric latch withdrawal

M - monitor switch
BPAR - as BPA with 4 minute reset
ETR - extended top rail for doors (2240 to 3050mm)

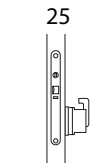
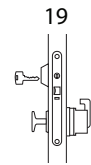
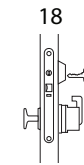
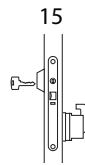
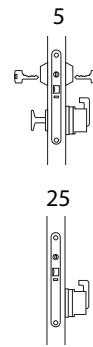
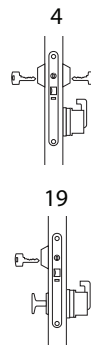
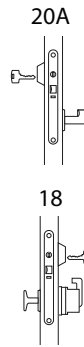
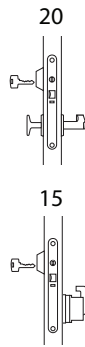
Escape Lock Functions

Modular Heavy Sprung nightlatch

Emergency variations

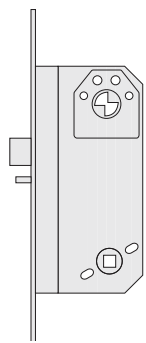


IL031-A
IL031-B
IL032-A
IL032-B
IL033-B

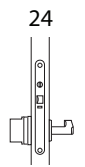
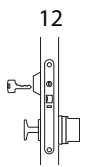
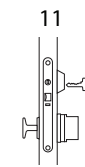
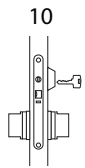
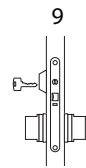
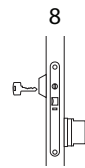
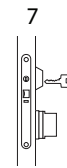
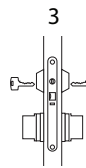
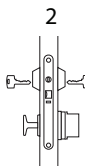
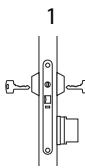


Modular light sprung nightlatch

Emergency variations

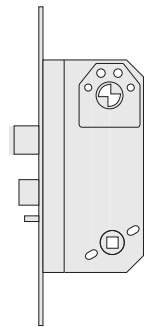


IL034-A
IL034-B
IL035-A
IL035-B

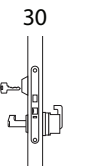
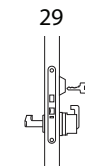
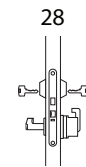
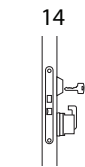


Modular Sash Lock

Escape Variations



IL023-A
IL023-B



Key to function



External Key



Internal Key



Dead Knob



Handle



Breakdome Turn



Finishes

Satin chrome plated, polished brass plated.



Options

MK – Microswitch on key. ME – Microswitch on Escape.
See locking devices brochure for lock case details.
Choose lockcase followed by variation.

For more information on our full range of escape hardware products and services, please contact us or your local branch:

Lloyd Worrall Group
The Quadrant
99 Parkway Avenue
SHEFFIELD
S9 4WG
T: 0114 213 2860
F: 0114 261 9427
E: enquiries@lloydworrall.co.uk

www.lloydworrall.co.uk



Lloyd Worrall

Lloyd Worrall
Unit 2, Bilton Road
Bletchley
MILTON KEYNES
MK1 1HW
T: 01908 622 650
F: 01908 622 651
E: miltonkeynes@lloydworrall.co.uk

Lloyd Worrall
Unit 13, Chamberlayne Road
Moreton Hall Ind. Est.
BURY ST EDMUNDS
IP32 7EY
T: 01284 762 002
F: 01284 762 003
E: bury@lloydworrall.co.uk

Lloyd Worrall
Unit 10, Attercliffe Common Ind. Est.
Fell Road
SHEFFIELD
S9 2AL
T: 0114 244 3350
F: 0114 244 4219
E: sheffield@lloydworrall.co.uk

Lloyd Worrall
Unit 2, Tenax Cross
Tenax Road, Trafford Park
MANCHESTER
M17 1AZ
T: 0161 873 5301
F: 0161 873 5302
E: manchester@lloydworrall.co.uk

Lloyd Worrall
Units 13-16, Noble Street Ind. Est.
off Scotswood Road
NEWCASTLE UPON TYNE
NE4 7PD
T: 0191 226 0888
F: 0191 226 0803
E: newcastle@lloydworrall.co.uk

www.lloydworrall.co.uk

Yannedis

Yannedis
2 Dace Road
Bow
LONDON
E3 2NQ
T: 020 8525 6898
F: 020 8525 6899
E: ask@yannedis.com

www.yannedis.com

Classic Hardware

Classic Hardware
Osbalwick Link Road
YORK
YO10 3WA
T: 01904 420 490
F: 01904 420 493
E: ask@classichardware.co.uk

www.classichardware.co.uk

MB Architectural

MB Architectural
14a Falcon Road
BELFAST
BT12 6RD
T: 028 9038 0200
F: 028 9038 0201
E: ask@mbarchitectural.com

www.mbarchitectural.com