

# Architectural Solutions Guide: Architectural Ironmongery



**Safe**  
**Secure**  
**Accessible**

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Ironmongery

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Doorsets

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Access Control

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Door Automation

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Handrail & Balustrade

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 [lloydworrall.co.uk](http://lloydworrall.co.uk)

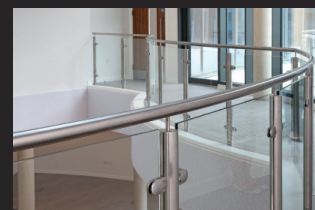
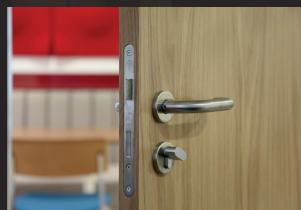
# Safe Secure Accessible

Lloyd Worrall is a premier architectural solutions provider to the commercial, education, health, retail, leisure, accommodation and housing sectors of the construction industry through consultation, specification and end-user interaction.

We provide the complete solution in:

- **Commercial Doorsets**
- **Architectural Ironmongery**
- **Access Control**
- **Door Automation**
- **Modular Handrail and Balustrade Systems**

Each business works closely with architects, key specifiers and construction design teams offering a comprehensive service including performance specifications, scheduling services, quotations, full ironmongery doorset packing and installation services for our handrail, balustrade, access control and door automation solutions.



Our goal at Lloyd Worrall is to ensure that we always deliver solutions that promote a safe, secure and accessible environment.

# Commercial Range - Hinges



## Journal-Supported Lift-Off Hinge Radius

specified as standard with Interspec Doorsets

- 110 x 98mm severe duty hinge.
- Tested and approved to BS EN 1935 Grade 13 (severe duty).
- CE Marked.
- Approved for use on fire doors.
- Maximum load 120kg.



Product Code:  
LWG-2312RZP



## Triple Knuckle Hinge Radius

specified as standard with Interspec Doorsets

- 100 x 88mm severe duty hinge.
- Tested and approved to BS EN 1935 Grade 13 (severe duty).
- CE Marked.
- Certifire Approved.
- Approved for use on fire doors.
- Maximum load 120kg.



Product Code:  
LWG-2121RZP



## Full Leaf Lift-Off Hinge Radius

specified as standard with Interspec Doorsets

- 100 x 88mm heavy duty hinge.
- Tested and approved to BS EN 1935 Grade 11 (heavy duty).
- CE Marked.
- Certifire Approved.
- Approved for use on fire doors.
- Maximum load 80kg.



Product Code:  
LWG-2321RZP



# Commercial Range - Hinges



## LWG Ball Bearing Butt Hinge

- 102 x 76mm severe duty hinge.
- Tested and approved to BS EN 1935 Grade 13 (severe duty).
- CE Marked.
- Certifire Approved.
- Approved for use on fire doors.
- Maximum load 120kg.
- Satin stainless steel.



Product Codes:

LWG-2211RSS (radius)

LWG-2211SSS (square)



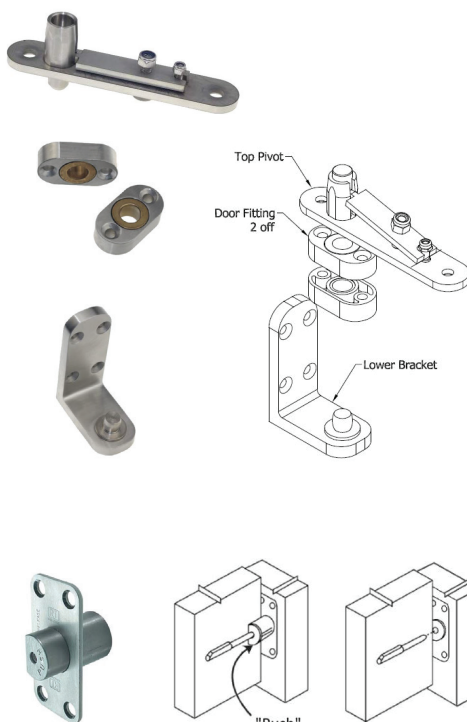
## Anti-Ligature Butt Hinge Radius

- 100 x 71mm triple knuckle butt hinge.
- Tested and approved to BS EN 1935 Grade 13 (severe duty).
- CE Marked.
- Certifire Approved.
- Approved for use on fire doors.
- Maximum load 120kg.
- Stainless steel.
- Security faceplates.



Product Code:

LWG-2131RSS



## Frame Mounted Double Action Pivot Set

- For doors weighing up to 80kg and up to 1100mm wide.
- Stainless steel.
- Door plates radiused for easier application.
- Bottom bracket is frame mounted.

Product Code:

LWG-2711RSS

## Emergency Release Door Stop with Holdback

- Allows double action doors to operate as single swing when hung on pivots.
- Emergency access is gained by depressing the stop and pulling the door outwards.
- Stainless steel.
- Includes holdback facility.

Product Code:

LWG-2752RSS





# Commercial Range – Door Closing Devices



## Cam-action Overhead Door Closer

- Cam-action overhead door closer with slide arm/channel.
- Power adjustable EN2-4.
- Suitable for door widths upto 1100mm.
- High efficiency cam-action mechanism providing very low opening resistance.
- Can conform to the opening force requirements of Approved Doc M, BS8300 and the Equalities Act.
- Adjustable closing speed.
- Adjustable latching speed.
- Full stainless steel cover and arm.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1154.



Product Codes:

LWG-3111SS (pull side fix)

LWG-3112SS (push side fix)

## Electro-mechanical Hold Open Variant

- Cam-action overhead door closer with electro-mechanical hold open slide arm/channel.
- Enables door to be held open in pre-selected open position when powered.
- De-activates in the event of fire alarm activation/power interruption allowing door to self close.
- Full stainless steel cover and arm.
- Operating voltage 24v DC.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1155.



Product Codes:

LWG-3111ESS (pull side fix)

LWG-3112ESS (push side fix)



## Rack and Pinion Overhead Door Closer

- Rack and pinion overhead door closer with standard arm.
- Power adjustable EN2-4.
- Suitable for door widths upto 1100mm.
- Can conform to the opening force requirements of Approved Doc M, BS8300 and the Equalities Act.
- Silver finish as standard. Other finishes available.
- Adjustable closing speed.
- Adjustable latching speed.
- Backcheck function.
- Universal fixing.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1154 Classification:



Product Code:

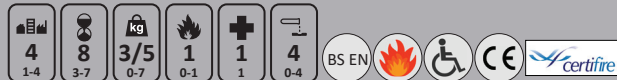
LWG-3221SSE

## Commercial Range – Door Closing Devices



### Cam-action Overhead Door Closer

- Cam-action overhead door closer with slide arm/channel.
- Power adjustable EN2-5.
- Suitable for door widths upto 1250mm.
- High efficiency cam-action mechanism providing very low opening resistance.
- Can conform to the opening force requirements of Approved Doc M, BS8300 and the Equalities Act.
- Adjustable closing speed.
- Adjustable latching speed.
- Adjustable backcheck.
- Adjustable delayed action.
- Full stainless steel cover and arm.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1154.



Product Codes:

LWG-3121SS (pull side fix)

LWG- 3122SS (push side fix)

### Electro-mechanical Hold Open Variant

- Cam-action overhead door closer with electro mechanical hold open slide arm/channel.
- Enables door to be held open in pre-selected open position when powered.
- De-activates in the event of fire alarm activation/power interruption allowing door to self close.
- Operating voltage 24v DC.
- Full stainless steel cover and arm.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1155.



Product Codes:

LWG-3121ESS (pull side fix)

LWG-3122ESS (push side fix)



### Electro-magnetic Hold Open Rack and Pinion Overhead Door Closer

- Electro-magnetic hold open rack and pinion overhead door closer with standard arm. Power size EN4.
- Suitable for door widths upto 1100mm.
- Enables door to be held open in open position when powered.
- De-activates in the event of fire alarm activation/power interruption allowing door to self close.
- Operating voltage 24v DC.
- Silver finish as standard. Other finishes available.
- Adjustable closing speed.
- Adjustable latching speed.
- Free swing option available.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1155.



Product Code:

LWG-3241SSE

## Commercial Range – Door Closing Devices



### Concealed Overhead Door Closer – single action

- Cam-action concealed overhead door closer with slide arm/channel.
- Power adjustable EN2-4.
- Suitable for door widths upto 1100mm.
- High efficiency cam-action mechanism providing very low opening resistance.
- Can conform to the opening force requirements of Approved Doc M, BS8300 and the Equalities Act.
- Adjustable closing speed.
- Adjustable latching speed.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1154.



Product Code: LWG-3311SE

### Electro-mechanical Hold Open Variant

- Cam-action overhead door closer with electro-mechanical hold open slide arm/channel.
- Enables door to be held open in pre-selected open position when powered.
- De-activates in the event of fire alarm activation/power interruption allowing door to self close.
- Operating voltage 24v DC.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1155.



Product Code: LWG-3311ESE



### Concealed Overhead Door Closer – double action

- Cam-action concealed overhead door closer with slide arm channel.
- Power adjustable EN3.
- Suitable for door widths upto 1100mm.
- High efficiency cam-action mechanism providing very low opening resistance.
- Can conform to the opening force requirements of Approved Doc M, BS8300 and the Equalities Act.
- Adjustable closing speed.
- Adjustable latching speed.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1154 Classification:



Product Code: LWG-3412SE

### Electro-mechanical Hold Open Variant

- Cam-action overhead door closer with electro-mechanical hold open slide arm/channel.
- Enables door to be held open in pre-selected open position when powered.
- De-activates in the event of fire alarm activation/power interruption allowing door to self close.
- Operating voltage 24v DC.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1155 Classification:



Product Code: LWG-3412ESE



## Commercial Range – Door Closing Devices



### Variable Power Floor Spring

- Variable power universal floor spring mechanism.
- Power adjustable EN1-4.
- Suitable for door widths upto 1100mm.
- Can conform to the opening force requirements of Approved Doc M, BS8300 and the Equalities Act.
- Suitable for single and double action doors upto 120kg weight.
- Stainless steel.
- Backcheck function.
- Adjustable closing speed.
- Adjustable latching speed.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1154.



Product Code:

LWG-3721SS (single action)

LWG-3722SS (double action)



### Electro-magnetic Hold Open Floor Spring

- Electro-magnetic hold open floor spring mechanism.
- Power adjustable EN4.
- Suitable for door widths upto 1100mm.
- Enables door to be held open in pre-selected open position when powered.
- De-activates in the event of fire alarm activation/power interruption allowing door to self close.
- Stainless steel.
- Backcheck function.
- Operating voltage 24v DC.
- Adjustable closing speed.
- Adjustable latching speed.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1155.



Product Code:

LWG-3841SS (single action)

LWG-3842SS (double action)



### Concealed Jamb Mount Door Closer

- Power adjustable EN3.
- Suitable for door widths upto 950mm.
- Can conform to the opening force requirements of Approved Doc M, BS8300 and the Equalities Act.
- Satin chrome.
- Adjustable closing speed.
- Adjustable latching speed.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1154.



Product Code:

LWG-3610SC

# Commercial Range - Locking Devices



## DIN Mortice Sashlock

- Euro profile mortice sashlock case.
- 60mm backset. 72mm centres.
- 20mm wide stainless steel forend.
- Stainless steel latch/dead bolts.
- Grip tight follower.
- Anti-rattle strikeplate.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 12209.

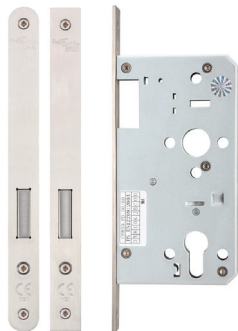


FD30 & FD60 intumescent lock kits available.

Product Codes:

LWG-4116RSS (radius)

LWG-4116SSS (square)



## DIN Mortice Deadlock

- Euro profile mortice deadlock case.
- 60mm backset.
- 20mm wide stainless steel forend.
- Stainless steel dead bolt.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 12209.



FD30 & FD60 intumescent lock kits available.

Product Codes:

LWG-4126RSS (radius)

LWG-4126SSS (square)



## DIN Mortice Latch

- Mortice latch.
- 60mm backset.
- 20mm wide stainless steel forend.
- Stainless steel latch bolts.
- Grip tight follower.
- Anti-rattle strikeplate.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 12209.



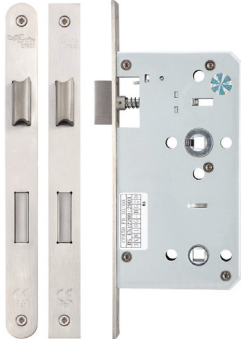
FD30 & FD60 intumescent lock kits available.

Product Codes:

LWG-4136RSS (radius)

LWG-4136SSS (square)

# Commercial Range – Locking Devices



## DIN Mortice Bathroom Lock

- Mortice bathroom lock.
- 60mm backset. 78mm centres.
- 20mm wide stainless steel forend.
- Stainless steel latch bolts.
- Grip tight follower.
- Anti-rattle strikeplate.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 12209.



FD30 & FD60 intumescent lock kits available.

Product Codes:

LWG-4146RSS (radius)

LWG-4146SSS (square)



## DIN Mortice Nightlatch

- Euro profile mortice nightlatch case.
- 60mm backset. 72mm centres.
- 20mm wide stainless steel forend.
- Stainless steel latch bolt.
- Anti thrust pin.
- Anti-rattle strikeplate.
- Grip tight follower.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 12209.

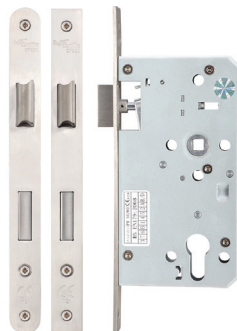


FD30 & FD60 intumescent lock kits available.

Product Codes:

LWG-4156RSS (radius)

LWG-4156SSS (square)



## DIN Mortice Escape Lock

- Euro profile mortice escape lock case.
- 60mm backset. 72mm centres.
- 20mm wide stainless steel forend.
- Stainless steel latch/dead bolts.
- Grip tight follower.
- Anti-rattle strikeplate.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 179.



FD30 & FD60 intumescent lock kits available.

Product Codes:

LWG-4166RSS (radius)

LWG-4166SSS (square)



## Commercial Range – Locking Devices



### DIN Mortice Accessible Lift to Lock

- For use with LWG-1110ACCSS safety lever handle & indicator set
- 60mm backset. 72mm centres.
- 20mm wide stainless steel forend.
- Adjustable roller latch bolt
- Stainless steel latch/dead bolts.
- Anti-rattle strikeplate.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 12209.

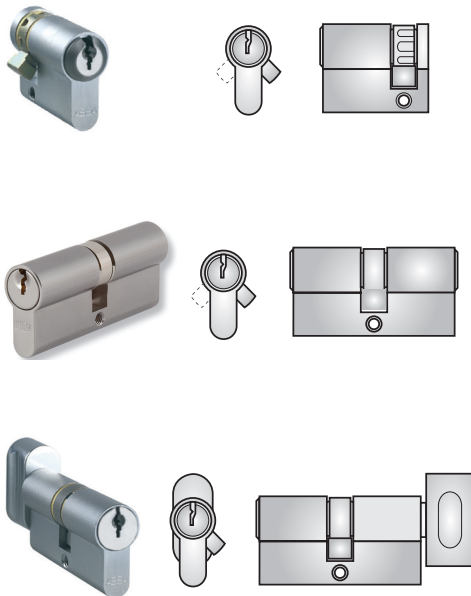


FD30 & FD60 intumescent lock kits available.

Product Codes:

LWG-4176RSS (radius)

LWG-4176SSS (square)



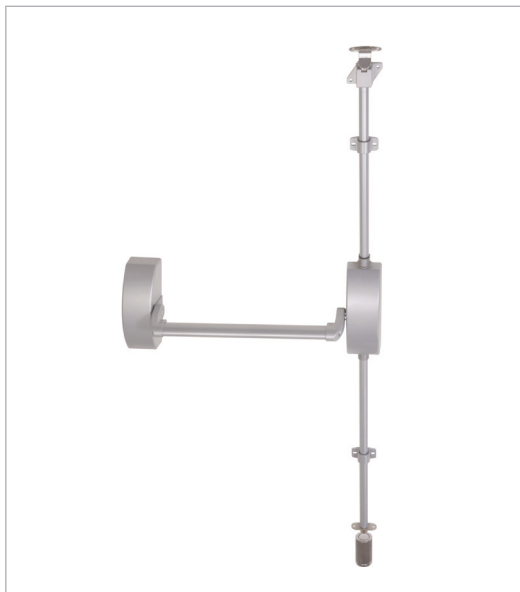
### Cylinders

- Lock cylinder range.
- Security patent protected.
- Assembled inhouse by specialist locking department.
- All keys are uniquely marked for greater key control.
- All cylinder types, sizes and functions available.
- Tested and Approved to BS EN 1303.
- Various security levels to suit building and user requirements.

Please contact us for specific technical details, security grades and classifications.



## Commercial Range – Escape Hardware



### Single Push Bar Panic Bolt

- Surface fix single push bar panic bolt.
- Maximum door leaf width 1300mm.
- Maximum door leaf height 2440mm.
- Maximum door leaf mass 200kg.
- Silver finish.
- Timber door fixing pack as standard (metal door fixing pack also available).
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 1125.



Product Code:  
LWG-5110TSE



### Single Push Bar Panic Latch

- Surface fix single push bar panic latch.
- Maximum door leaf width 1300mm.
- Maximum door leaf height 2440mm.
- Maximum door leaf mass 200kg.
- Silver finish.
- Timber door fixing pack as standard (metal door fixing pack also available).
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 1125.



Product Code:  
LWG-5120TSE



### Double Rebated Door Panic Set

- Surface fix double rebated door push bar panic set.
- Maximum door leaf width 1300mm.
- Maximum door leaf height 2440mm.
- Maximum door leaf mass 200kg.
- Silver finish.
- Timber door fixing pack as standard (metal door fixing pack also available).
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 1125.



Product Code:  
LWG-5130TSE

# Commercial Range – Escape Hardware



## Emergency Push Pad Latch

- Suitable for push face of outward opening doors.
- Silver finish.
- Minimum door leaf width 750mm.
- Maximum door leaf width 1300mm.
- Maximum door leaf height 2500mm.
- Maximum door leaf mass 200kg.
- Timber door fixing pack as standard (metal door fixing pack also available).
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 179.



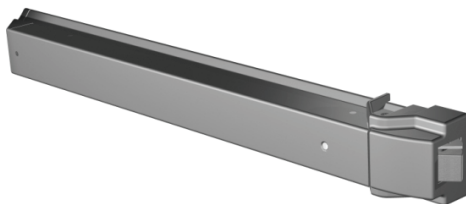
Product Code:  
LWG-5320TSE



## Outside Access Device

- Surface fix outside access device.
- Return to door pattern lever handle.
- Supplied with standard differ euro profile lock cylinder.
- Suitable for door thickness of 38-70mm.
- Silver finish.

Product Code:  
LWG-5140LSE



## Single Touch Bar Panic Latch

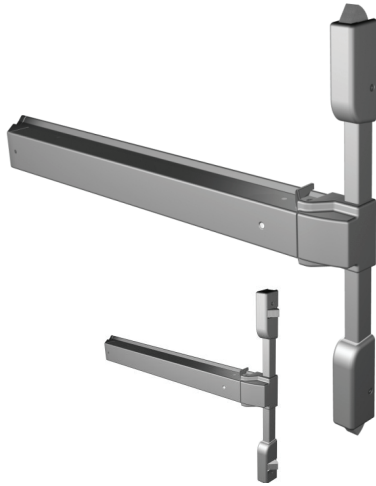
- Surface fix single touch bar panic latch. Silver finish.
- Maximum door leaf width 1200mm.
- Maximum door leaf height 2440mm.
- Maximum door leaf mass 200kg.
- Electronic Latch Retraction versions available upon request.
- Micro-switch, Alarm and Dogging versions available upon request.
- RAL colours and plated finishes available upon request.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 1125.



Product Code:      Size:  
LWG-5520SE      to fit doors up to 900mm wide  
LWG-5521SE      to fit doors up to 1200mm wide



# Commercial Range – Escape Hardware

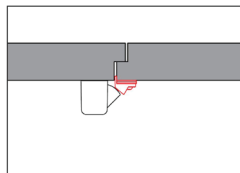
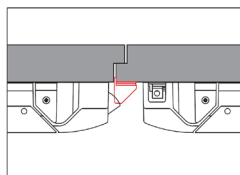
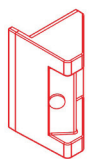


## Single Push Bar Panic Bolt

- Surface fix single push bar panic bolt. Silver finish.
- Maximum door leaf width 1200mm.
- Maximum door leaf height 2440mm.
- Maximum door leaf mass 200kg.
- Available 2-point with vertical latch or horizontal latch variants.
- Available 3-point with vertical latch or horizontal latch variants.
- Electronic Latch Retraction versions available upon request.
- Micro-switch, Alarm and Dogging versions available upon request.
- RAL colours and plated finishes available upon request.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and Approved to BS EN 1125.



Product Code:	Variant:	Size:
LWG-5510ASE	Horizontal 2-point	to fit doors up to 900mm wide
LWG-5511ASE	Horizontal 2-point	to fit doors up to 1200mm wide
LWG-5510BSE	Horizontal 3-point	to fit doors up to 900mm wide
LWG-5511BSE	Horizontal 3-point	to fit doors up to 1200mm wide
LWG-5510CSE	Vertical 2-point	to fit doors up to 900mm wide
LWG-5511CSE	Vertical 2-point	to fit doors up to 1200mm wide
LWG-5510DSE	Vertical 3-point	to fit doors up to 900mm wide
LWG-5511DSE	Vertical 3-point	to fit doors up to 1200mm wide



## Latch Keep Options

- Centre latch keep
- For use on rebated double doors/single flush faced doors and frames.
- Silver finish.
- Horizontal Pullman latch keep
- For use on rebated double doors/single flush faced doors and frames.
- Silver finish.

Product Code:  
 LWG-55KASE (centre latch keep)  
 LWG-55KASE (horizontal pullman latch keep)

## Commercial Range – Escape Hardware



### Outside Access Device

- Surface fix outside access device. Silver finish.
- Return to door pattern lever handle.
- Supplied with standard differ euro profile lock cylinder.
- Suitable for door thickness up to 55mm thick.
- Meets the dimensional requirements of BS8300 – Approved Doc M.



Product Code:  
LWG-5540LSE



### Mechanical Push Button Outside Access Device

- Push button lockset providing keyless access.
- Surface fixed outside access device.
- Return to door pattern lever handle.
- Suitable for door thickness of 35-60mm.
- Reversible handle.
- Stainless steel.

Product Code:  
LWG-5545LSS



### Push Bar to Open Sign

- Full range of emergency fire signs.
- Typically 600x100mm or 300x50mm.
- Various designs including fire exit running man with directional arrow.
- Various print and fixing options.
- Conforms to BS 5499.



Product Code:  
LWG-IS201



### Fire Exit Keep Clear Sign

- Available in vinyl or rigid plastic.
- 400x300mm or 200x150mm.
- Self adhesive or screw fixed as required.
- Conforms to BS 5499.



Product Code:  
LWG-IS201A

## Commercial Range – Stainless Steel Door Furniture



### Return to Door Lever Handle

- 19mm return to door lever handle.
- 52mm dia x 8mm sprung rose.
- Grade 304 stainless steel.
- Dimensions compliant with BS8300 requirements for lever handles.
- Tested and Approved to BS EN 1906.
- Durability Grade 3.



Product Code:  
LWG-1110USS



### Straight Lever Handle

- 19mm straight lever handle.
- 52mm dia x 8mm sprung rose.
- Grade 304 stainless steel.
- Dimensions compliant with BS8300 requirements for lever handles.
- Tested and Approved to BS EN 1906.
- Durability Grade 3.



Product Code:  
LWG-1110LSS



### Mitred Lever Handle

- 19mm mitred lever handle.
- 52mm dia x 8mm sprung rose.
- Grade 304 stainless steel.
- Dimensions compliant with BS8300 requirements for lever handles.
- Tested and Approved to BS EN 1906.
- Durability Grade 3.



Product Code:  
LWG-1110MSS



### Oval Lever Handle


- 19mm oval lever handle.
- 52mm dia x 8mm sprung rose.
- Grade 304 stainless steel.
- Dimensions compliant with BS8300 requirements for lever handles.
- Tested and Approved to BS EN 1906.
- Durability Grade 3.



Product Code:  
LWG-1112MSS



## Commercial Range – Stainless Steel Door Furniture




### Arched Lever Handle

- 19mm Arched lever handle.
- 52mm dia x 8mm sprung rose.
- Grade 304 stainless steel.
- Dimensions compliant with BS8300 requirements for lever handles.
- Tested and Approved to BS EN 1906.
- Durability Grade 3.

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Product Code:  
LWG-1110CSS




### Flat Lever Handle

- 19mm flat lever handle.
- 52mm dia x 8mm sprung rose.
- Grade 304 stainless steel.
- Tested and Approved to BS EN 1906.
- Durability Grade 3.

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Product Code:  
LWG-1113MSS




### 22mm Lever Handle

- 22mm return to door lever handle.
- 52mm dia x 8mm sprung rose.
- Grade 304 stainless steel.
- Dimensions compliant with BS8300 requirements for lever handles.
- Tested and Approved to BS EN 1906.
- Durability Grade 3.

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Product Code:  
LWG-1111USS



### 22mm Lever Handle


- 22mm straight lever handle.
- 52mm dia x 8mm sprung rose.
- Grade 304 stainless steel.
- Dimensions compliant with BS8300 requirements for lever handles.
- Tested and Approved to BS EN 1906.
- Durability Grade 3.

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Product Code:  
LWG-1111LSS

## Commercial Range – Stainless Steel Door Furniture




### Safety Lever Handle & Indicator Set

- Safety lever and indicator set for use with accessible lift to lock.
- External occupancy indicator with emergency coin release.
- Internal "lift handle to lock" instruction disc.
- 19mm return to door lever handle.
- 52mm dia x 8mm sprung rose.
- Grade 304 stainless steel.
- Dimensions compliant with BS8300 requirements for lever handles.
- Tested and Approved to BS EN 1906.
- Durability Grade 3.

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Product Code:  
LWG-1110ACSS



### Escutcheons

- Euro profile escutcheon.
- 52mm dia x 8mm on rose.
- Grade 304 stainless steel.

Product Code:  
LWG-1810ESS

- Blank escutcheon.
- 52mm dia x 8mm on rose.
- Grade 304 stainless steel.

Product Code:  
LWG-1810BSS



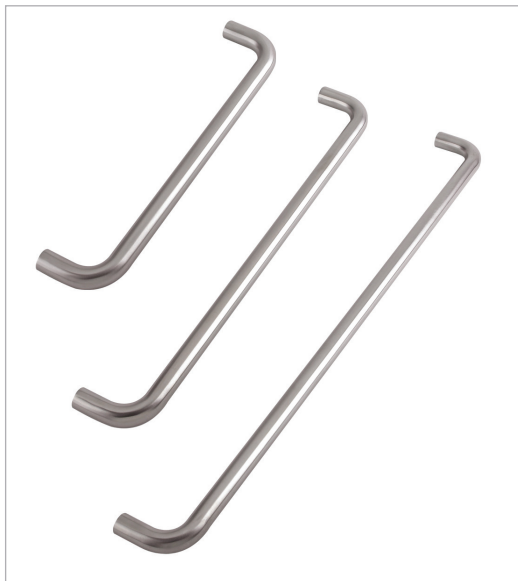
### Bathroom Turn and Release Set

- Accessible turn and indicator release set.
- 52mm dia x 8mm rose.
- 5mm spindle.
- Grade 304 stainless steel.

Product Code:  
LWG-1910ASS



# Commercial Range – Stainless Steel Door Furniture



## D-Type Pull Handles

- 19mm dia pull handle.
- Available in 330mm c/c, 430mm c/c and 630mm c/c.
- Available with bolt through or back to back fixings.
- Grade 304 stainless steel.
- Dimensions compliant with BS8300 requirements for pull handles.



Product codes:

Code	Length	Fixing
LWG-1413DSS	330mm	bolt through
LWG-1414DSS	430mm	bolt through
LWG-1416DSS	630mm	bolt through
LWG-1513DSS	330mm	back to back
LWG-1514DSS	430mm	back to back
LWG-1516DSS	630mm	back to back



## M-Type Pull Handles

- 19mm dia pull handle.
- Available in 300mm c/c, 425mm c/c and 600mm c/c.
- Available with bolt through or back to back fixings.
- Dimensions compliant with BS8300 requirements for pull handles.



Product codes:

Code	Length	Fixing
LWG-1423MSS	300mm	bolt through
LWG-1424MSS	425mm	bolt through
LWG-1426MSS	600mm	bolt through
LWG-1523MSS	300mm	back to back
LWG-1524MSS	425mm	back to back
LWG-1526MSS	600mm	back to back



## T-Type Pull Handles

- 19mm dia pull handle.
- Available in 300mm c/c, 425mm c/c and 600mm c/c.
- Available with bolt through or back to back fixings.
- Dimensions compliant with BS8300 requirements for pull handles.



Product codes:

Code	Length	Fixing
LWG-1423TSS	300mm	bolt through
LWG-1424TSS	425mm	bolt through
LWG-1426TSS	600mm	bolt through
LWG-1523TSS	300mm	back to back
LWG-1524TSS	425mm	back to back
LWG-1526TSS	600mm	back to back

## Commercial Range – Stainless Steel Door Furniture



### Door Stops

- Satin stainless steel.

Product codes:

Code	Description
LWG-6310SS	Projecting door stop.
LWG-6330SS	Floor door stop.
LWG-6340SS	Oval floor door stop.



### Recessed Flush Pulls

- Satin stainless steel.

Product codes:

Code	Description
LWG-1610SS	Round pull 65mm dia, 13mm recess.
LWG-1620SS	Half moon pull 90mm dia, 18mm recess.
LWG-1630SS	Oval pull 120x40mm, 13mm recess.



### Cylinder Pulls

- Satin stainless steel.

Product code:

LWG-1710ESS	(euro profile)
LWG-1710BSS	(blank)



### Heavy Duty Surface Bolt

- High security for internal and external doors.
- Concealed fixings.
- Tamper and abuse resistant.
- Grade 304 stainless steel.
- Silver powder coated finish.

Product code

LWG-6662SS	(stainless steel)
LWG-6662SE	(silver)

### Keep Types

- Type A - top mounting door opening inward (flat plate).
- Type B - top mounting door opening outward.
- Type C - bottom mounting floor plate.
- Type D - top mounting door opening inward (round button type).
- Type E - easy clean socket.

Product code      Keep Type

LWG-6660KA	A
LWG-6660KB	B
LWG-6660KC	C
LWG-6660KD	D
LWG-6660KE	E



## Commercial Range – Stainless Steel Door Furniture



The image shows three stainless steel door hardware components. On the left is a long, vertical lever handle with a cylindrical base. In the center is a shorter lever handle with a similar base. On the right is a small, cylindrical socket with a flared top and a matching rectangular base plate with a semi-circular cutout.

**Lever Action Flush Bolts**

- Square or radius ends available.
- Satin stainless steel.

Product code:  
 LWG-6612SSS 200x19mm (square).  
 LWG-6612RSS 200x19mm (radius).

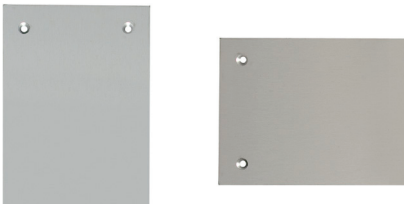
Also available as 150mm, 300mm and 600mm.

**Sockets**

- Satin stainless steel.

Product codes:

Code	Description
LWG-6610DE	Dust excluding socket.
LWG-6610EC	Easyclean socket.



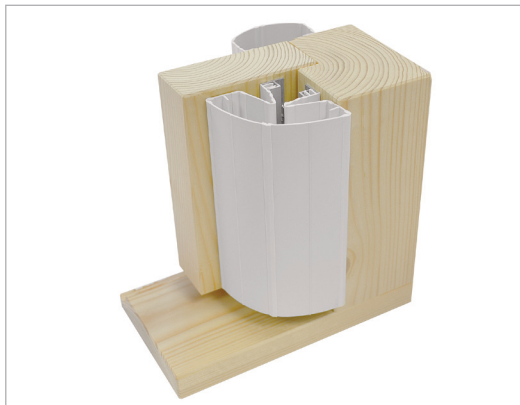
The image shows two rectangular stainless steel plates. The one on the left is a larger plate with two small circular holes near the top. The one on the right is a smaller plate with two small circular holes near the top.

**Push and Kick Plates**

- Square or radius corners.
- Variety of sizes and finishes.
- Drilled and countersunk.

Product codes:  
 LWG-6100SS (push)  
 LWG-6200SS (kick)

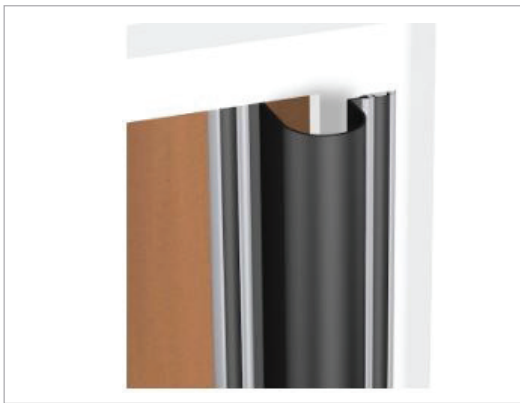
## Commercial Range – Finger Protection



### Finger Protection – Plastic

- High performance, flexible finger guard.
- Standard length 1980mm.
- Concealed screw fixing.
- Available in 7 colours.
- Suits internal and external doors.
- Options available for single-side, double-sided or double swing applications.

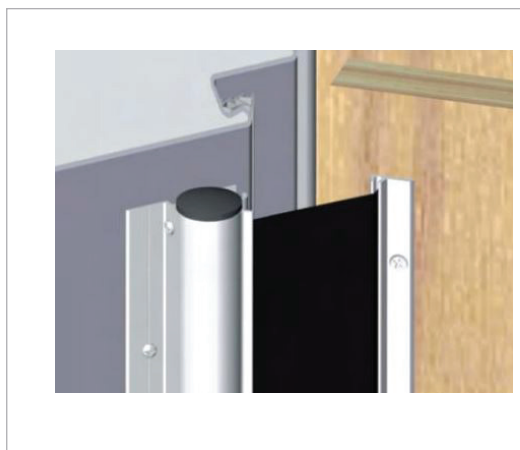
Product Code:  
LWG-2910



### Finger Protection – Rubber

- Suited to demanding commercial and industrial environments.
- Anodised Aluminium and EPDM Rubber construction.
- Easily extended for non standard height doors.
- Standard length 2100mm.

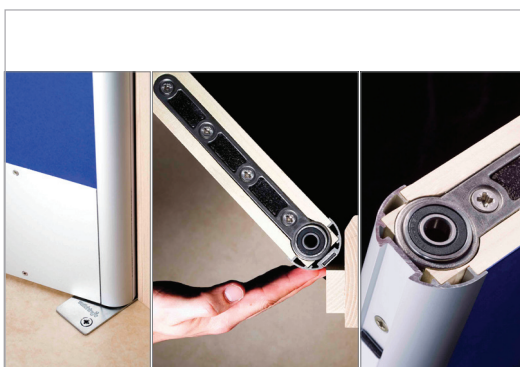
Product Code:  
LWG-2940



### High Performance Retractable Protection – Fabric

- High quality retractable type finger guard.
- Standard silver housing. Other finishes available on request.
- Fabric colour: black.
- Available in 1925mm and 2015mm lengths.
- Extremely durable and maintenance free.
- Fits any door up to 180° opening.
- Impact resistant.
- Particularly suitable for automatic doors.

Product Code:  
LWG-2970



### Safehinge ALUMAX

- Specialised pivot system with integrated aluminium door edge.
- Suitable for single/double swing and single/double leaf.
- Door thickness: 44mm and 54mm.
- Suitable for use on fire doors (FD30 and FD60).
- Acoustic rating: up to 32 dB and up to 38 dB.
- Mechanical DD171 severe duty classification.
- Supplied in 2100mm and 2400mm lengths.
- Maximum opening angle: 110°.
- Standard finish: anodised aluminium. Timber finish or powder RAL coat is also available - please enquire.

Product Code:  
LWG-2800

## Commercial Range – Bespoke Door Furniture



When a project requires a special design edge our **Made For You** bespoke service will transform your design ideas from paper to product.

Working with traditional ironmongery manufacturers, we will provide samples, produce castings and supply your custom-made door furniture.

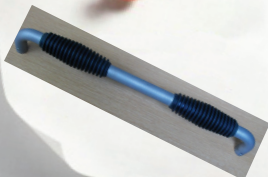
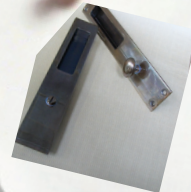
From modern stainless steel designs to brass and bronze restoration pieces, we will help to ensure your project is unique.

The ironmongery required for restoration and heritage projects will either need to be restored, have new items designed or involve a mix of both.

We have experience in sourcing and supplying restoration ironmongery, including matching new ironmongery to original designs.

We work with a network of skilled craftsman to ensure attention to detail to both recreate the past whilst ensuring the ironmongery meets with current regulations.

Below is a selection of bespoke ironmongery we have designed. Projects range from palaces to museums, private residences to theatres and boutique hotels. Please contact us for more information.



# Commercial Range – Coloured Door Furniture



HEWI nylon lever handles are manufactured from high quality polyamide with a corrosion resistant steel core for added strength and rigidity. They are:

- Scratch resistant
- Warm to touch
- Anti-static
- Hygienic

With an extensive range of colours available, they create structure and contrasts and therefore facilitates orientation.

We have put together a selection of HEWI nylon door furniture, please contact us for details on the complete range, available colours and technical information.

## HEWI



### Return to Door Lever Handle

- 20mm or 23mm dia return to door lever handle on a 55mm dia rose.
- High quality polyamide with corrosion resistant steel core.
- Tested and Approved to DIN EN 1906 class 4.

Product Code: LWG-NF002



### Euro Profile Escutcheon

- 55mm dia polyamide euro profile escutcheon.

Product Code: LWG-NF201



### Bathroom Turn and Release Set

- 55mm dia polyamide turn and indicator release set.

Product Code: LWG-NF204



### Pull Handles

D-type polyamide pull handle with corrosion resistant steel core.

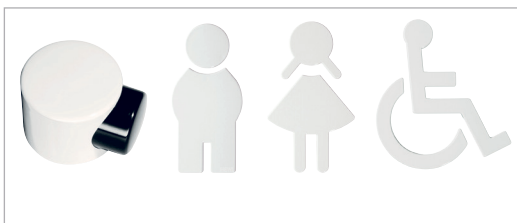
- 30mm and 40mm dia.
- Various lengths ranging from 200mm to 2250mm c/c.
- Available with or without roses.

Product Code: LWG-NF102

Cranked polyamide pull handle.

- 30mm and 33mm dia.
- Various lengths ranging from 2100mm to 400mm c/c.

Product Code: LWG-NF103



### Accessories

Product codes:

#### Code

LWG-NF105  
LWG-NF106

#### Description

Polyamide floor mounted door stop.  
Self-adhesive polyamide washroom symbols.

# Commercial Range – Mandatory Signage



## Fire Door Signage

- Stainless steel.
- 76mm dia mandatory discs.
- Self adhesive or screw fixed as required.
- Conforms to BS 5499.

Product Code:	Sign:
LWG-IS001	Fire Door Keep Shut
LWG-IS002	Keep Locked Shut
LWG-IS003	Automatic Fire Door Keep Clear
LWG-IS005	Fire Door Keep Locked

BS EN




## Fire Door Signage

- Available in vinyl or rigid plastic.
- 80mm x 80mm.
- Self adhesive or screw fixed as required.
- Conforms to BS 5499.

Product Code:	Sign:
LWG-IS101	Fire Door Keep Shut
LWG-IS102	Fire Door Keep Locked
LWG-IS103	Automatic Fire Door Keep Clear

BS EN




## Emergency Exit Signage

- Available in vinyl or rigid plastic.
- Typical sizes: 600mm x 100mm or 300mm x 150mm.
- Self adhesive or screw fixed as required.
- Conforms to BS 5499.

Product Code:	Sign:
LWG-IS201	Push bar to open
LWG-IS202A	Fire exit running man with directional arrow UP
LWG-IS202B	Fire exit running man with directional arrow DOWN
LWG-IS202C	Fire exit running man with directional arrow LEFT
LWG-IS202D	Fire exit running man with directional arrow RIGHT
LWG-IS201A	Fire exit keep clear 400mm x 300mm

BS EN




## Fire Fighting Signage

- Available in vinyl or rigid plastic.
- Typical sizes: 200mm x 150mm.
- Self adhesive or screw fixed as required.
- Conforms to BS 5499.

Product Code: LWG-IS203

Signage shown are examples of different designs available. Please contact us for more information.

BS EN




A range of photoluminescent signage is also available.

Signage shown are examples of different designs available. Please contact us for more information.



## Commercial Range – Symbols



### Symbols

- Stainless steel.
- Full range of pictograms.
- 76mm dia.
- Drilled and countersunk.

Product Code:	Sign:
LWG-7111SS	Male
LWG-7112SS	Female
LWG-7113SS	Unisex
LWG-7114SS	Disabled
LWG-7115SS	Baby Change
LWG-7116SS	Shower



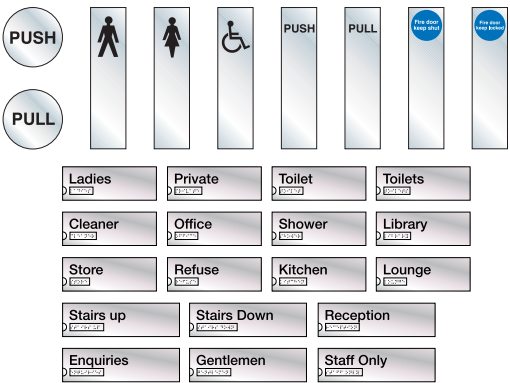
### Tactile and Braille Signage

All our tactile and Braille signs are manufactured with the guidance of the Royal National Institute for the Blind to ensure they conform to the recommendations of the Equality Act 2010.

The system we use enables us to supply tactile and Braille signs in any metal finish, such as aluminium, stainless steel or polished brass, as well as any colour plastic. This proves beneficial when there is a need to match existing door furniture.

Please contact us for exact size, finish and fixing options.

Product Code: LWG-IS108



### Architectural Signs and Nameplates

INTERSIGN can provide a range of standard and bespoke signs to complement all of our suites of door ironmongery in a wide range of colour and metal finishes.

This signage is also available in Braille and tactile formats.

Please contact us for exact size, finish and fixing options.

Product Code: LWG-IS109

# Commercial Range – Wayfinding Signage



## CADIC interchangeable signage

- 5mm thick, silicon acrylic signs with face plates.
- 25mm lettering number and namplates.
- 35mm lettering directories.
- Supplied with stand-off sign supports.
- If details require changing, only the face plate has to be replaced.

### Numbers and Name Plates – standard sizes:

Product Code:	W:	H:
LWG-CAD01	86	56
LWG-CAD02	166	56
LWG-CAD03	246	56
LWG-CAD04	326	56

### Directories:

Product Code:	W:	H:
LWG-CAD05	426	116
LWG-CAD06	426	166

### Options:

- Vinyl-cut lettering
- Screen printed
- Engraved
- Tactile
- Tactile & Braille

### Face Plates – finishes:

- SSS satin stainless steel
- PSS polished stainless steel
- SAA satin aluminium
- PAA polished aluminium
- HIPS coloured plastic
- PB polished brass

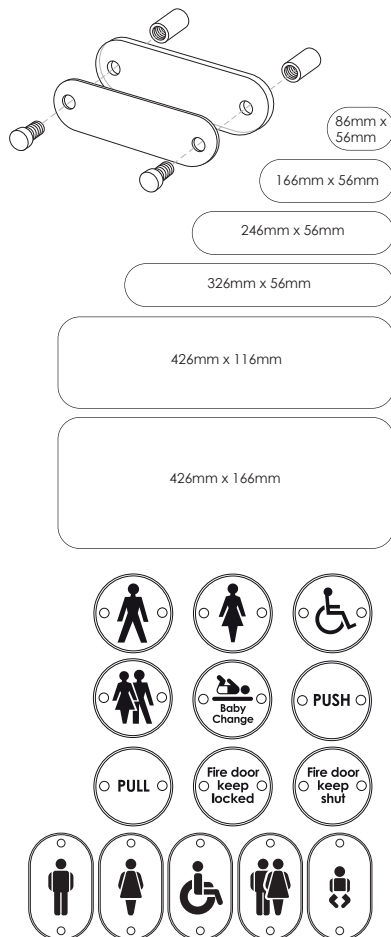
### 90mm dia signs

Product Code:	Sign:
LWG-CAD07	Male
LWG-CAD08	Female
LWG-CAD09	Accessible
LWG-CAD10	Unisex
LWG-CAD11	Baby Change
LWG-CAD12	Push
LWG-CAD13	Pull
LWG-CAD14	Fire Door Keep Locked
LWG-CAD15	Fire Door Keep Shut

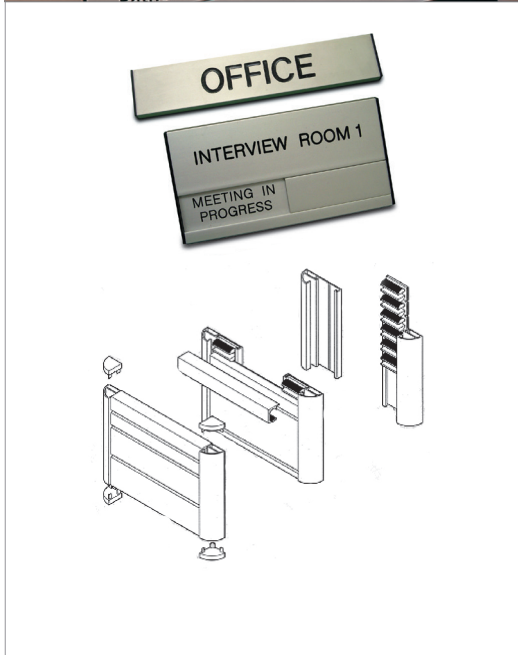
### 90mm x 150mm signs

Product Code:	Sign:
LWG-CAD16	Male
LWG-CAD17	Female
LWG-CAD18	Accessible
LWG-CAD19	Unisex
LWG-CAD20	Baby Change

Custom finish and sizes available on request.



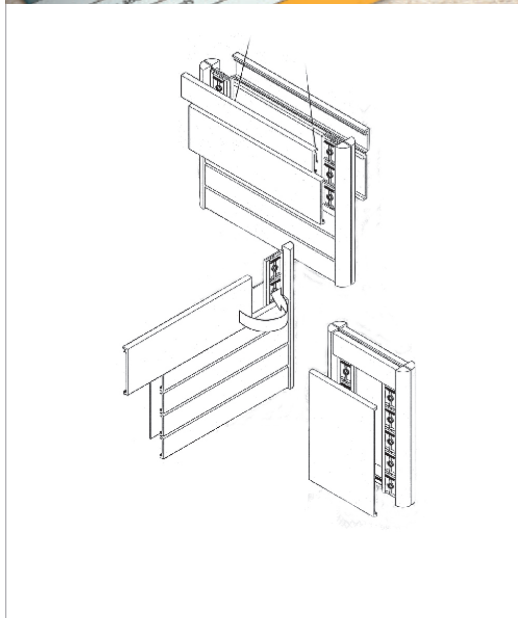
## Commercial Range – Wayfinding Signage



### Slatz interior directory signage

- Single panel door signs.
- IN / OUT slider signage.
- Single or double sided directories.
- Available wall mounted, free standing, projecting and suspended.
- Available in 3275mm lengths that can be cut to exact requirements, minimising waste.
- Standard face plates are available in 7 different depths: mini, midi, little, middle, big, king and super. Bespoke depths can be fabricated using a sidetrack and mini edge system which incorporates sheet aluminium.
- All sizes have matching end caps for individual name plate creation.
- Directory sidetracks are available in 3 formats: square, quadrant and angle with matching caps.
- Projected and suspended directories use double sided sidetracks available in 2 formats: square and quadrant.
- A variety of specialised face plates are available such as: Engraver plates which can incorporate laminate, aluminium, stainless steel, acrylic and foamex sheets up to 1mm thick and Slider plates which incorporate
  - slider inserts for IN / OUT signage options.
  - Multicaps allow for the fabrication of mini directories and multi-panel door signs with the use of just 2 end caps and suitable face plates.

Product Code: LWG-SLA301

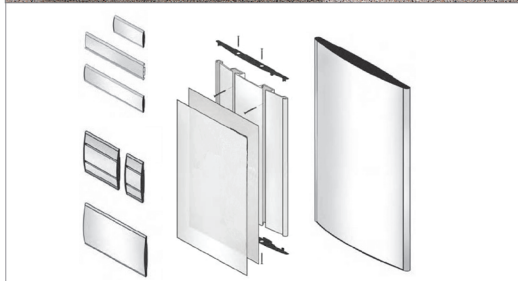


### SlimSlatz interior directory signage

- Single panel door signs.
- IN / OUT slider signage.
- Single or double sided directories.
- Available wall mounted, free standing, projecting and suspended.
- Assembled profile of less than 8mm.
- Available in 2000mm extrusion lengths which can be cut to size to minimise waste.
- Standard face plates are available in 4 depths: 20, 40, 60 and 80mm. Bespoke depths can be fabricated using an edge system and 1mm sheet aluminium.
- Plastic caps are available for all face plates in 3 formats: square, angle and quadrant – for creation of individual face plate signs.
- Directory sidetracks are available in 3 formats; square, angle and quadrant.
- Specialised Engraver face plates available in 20 and 40mm – incorporate sheet material up to 1mm thick with a tapered edges.

Product Code: LWG-SSL302

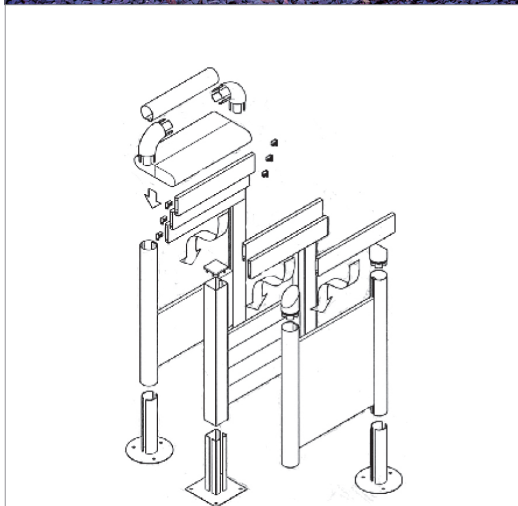
## Commercial Range – Wayfinding Signage



### Insertz interior directory signage

- Information signs.
- Directional signage.
- Name plates.
- Door signs.
- Promotional signage.
- A curved aluminium display for cut vinyl graphics and digital print encased in either engraved acrylic or metal panels.
- Available in 2200mm extrusion lengths at 5 standard widths: 50mm, 100mm, A5, A4 and A3.
- Standard ready made kits are available which include cut profile, end caps and screws, protective cover and suction cap.
- Anti-glare protective cover helps prevent tampering.

Product Code: LWG-INS303



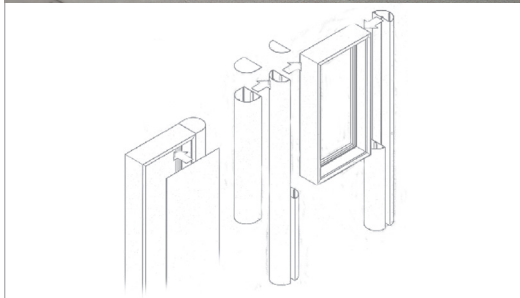
### Infopanel exterior directory signage

- Free standing and multi-panel signs.
- Illuminated directories.
- Corporate identity signage.
- Building identification.
- Entrance signs.
- Car parking policy signs.
- Maps and site plans.
- Infopanel are hollow aluminium extruded sign planks available in 6030mm lengths in 5 depths: 50mm, 75mm, 100mm, 150mm, 200mm and 4850mm lengths for 300mm deep planks - all 20mm thick and can be cut to any length required.
- For deeper panels an edge and brace system is used which can incorporate up to 1.5mm thick sheet aluminium.
- Signpole and Signpost extrusions are available in dia of both 55mm and 80mm, however 140mm extrusions are available in Signpole only.
- D and V curved profile extrusions are available in diameters of 55mm and 80mm.
- Wall tracks for wall mounted directories are available in quadrant or square profiles.
- Signpole and Signpost extrusions may be sunk into concrete or mounted onto a concrete footing using Signpole/post feet available in electroplated stainless steel.
- Suspended signs can be achieved by fixing Signpole and Signpost extrusions to the ceiling or use cables to suspend fabricated Infopanel systems to give a clean look.

Product Code: LWG-INF304



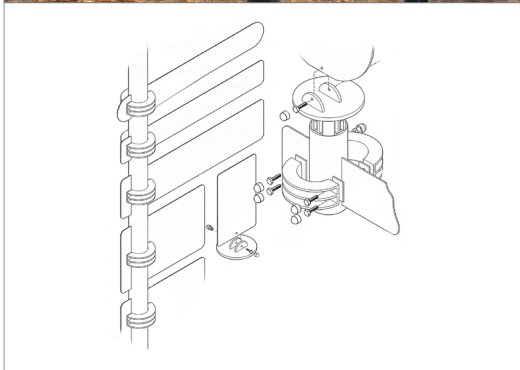
## Commercial Range – Wayfinding Signage



### Monoframe exterior identity system

- Corporate identity signage.
- Directional signage.
- Site map signage.
- Business park signs.
- Information signs.
- Available in 6030mm length extrusions at 3 different widths: 55, 80 and 175mm.
- Reinforced internal frame system.
- A variety of post mounting options are available: square, V and D sections for 55 and 80mm widths, C and D sections for 175mm widths with matching feet made from electroplated steel.
- Illumination achievable with both 80 and 175mm sections - room to house electronic components and using acrylic sheet or vacuum formed pans.
- Up to 1.5mm sheet aluminium may be used for the 55 and 80mm widths and up to 2.5mm for the 175mm width extrusions.
- Up to 3mm sheet acrylic and vacuum formed pans may be used for the 55 and 80mm widths and up to 5mm for the 175mm width extrusion.
- Specialised Stand Off Bracket (SOB) available for projected signs at the 80mm width only.

Product Code: LWG-MON305



### C-Fix directional sign system

- Multi-directional signage.
- Identity signage.
- Information signage.
- Wayfinding signage.
- Pole and panel signage - single and double sided.
- The C-Fix system is available in 6030mm length extrusions.
- Single or multi-panel signs for exterior or interior use.
- Versatile - the freedom to choose your own rigid substrate, colour, shape and size of panels.
- Available using a variety of standard sized aluminium finger panels in 4 different formats: rectangular, rounded, square and vertical panel.
- A choice of shaped caps to offer different designs and appeal: flat, domed or panel holder.

Product Code: LWG-CFI306



## Commercial Range – Anti-Ligature Hardware



## Commercial Range – Anti-Ligature Hardware

### **TS001: 2013 Technical Specification: Enhanced Requirements & Testing Methods for Anti-ligature Hardware**

In the absence of an existing official standard for anti-ligature products in the UK, The Door and Hardware Federation (DHF) has drawn-up a method of classifying both fixed and load release devices.

TS001:2013 recommends the level of performance anti-ligature devices should achieve in order to ensure the safety of users. Testing is rigorous and exacting.

This standard is aimed at addressing the safety of people that may be at risk of self-harm whilst in special care environments. It is primarily aimed at door hardware but can also include non-door mounted hardware such as coat hooks and curtain rails.

The aim is to provide personal freedom and quality of life but, at the same time, reduce the risk of self-harm by providing products where it is difficult to attach a ligature.

It must be recognised that this standard sets out to reduce the risk of self-harm and every effort has been made to take into account all possibilities but does not guarantee ligature-free hardware.

A PDF containing full details of the specification is available from the DHF website: [www.dhfonline.org.uk](http://www.dhfonline.org.uk)





## Commercial Range – Anti-Ligature Locksets



### Bedroom Lockset with Secondary Override

The bedroom lockset is equipped with a concealed secondary override mechanism which enables nursing staff to unlock a door even when the service user has taken deliberate measures to block the keyway in a more determined barricade attempt.

In mental health, bedroom doors typically open inwards but are equipped with double swing hinges and removable doorstops to allow the door to open outwards in an emergency situation.

Product Code: LWG-0001ALLS



### Indicator Lockset with Secondary Override

Fully equipped with an integral indicator facility in addition to both the Primary & Secondary Barricade Override functions.

This model is principally designed for anti-ligature bathroom applications where indication of room occupancy is required. It is often specified for bedroom door applications due to the fact that the only way the indicator status can be changed is when the turn on the inside of the room is operated manually. Therefore, if the indicator is in the red position and, assuming there is no alternative means of access into the room, there is definitely someone in the room. This can help clinical staff to monitor the whereabouts of the service user.

Product Code: LWG-0002ALLS



### Nightlatch Lockset with Secondary Override

Behind certain doors are dangers which the service user must be protected from. Any door that locks itself automatically helps to support the clinical team whenever there is a need to know that a closed door is a locked door. The anti-thrust bolt automatically deadlocks when the door is in the closed position which considerably prevents patient manipulation. This is particularly beneficial for doors which normally open outwards.

This product is also available with an optional 'passage set' feature which allows the key-holder to temporarily prevent the door from locking automatically. This is a useful feature during busy periods of traffic.

Product Code: LWG-0003ALLS



### Communal Lockset with Secondary Override

Designed initially for Communal Room applications (where it is not advisable to use a Turn/Pull due to the potential for service user misuse) this lockset can also be used for link doors or offices wherever a manual locking regime is preferred. More recently this product has become the preferred option for en-suite bathrooms in CAHMS units and other challenging environments due to the fact that it has the capacity to lock the door both in the closed and open positions.

When in the unlocked position, the door is held closed by means of a medium-sprung, adjustable roller catch which negates the need for lever handles.

Product Code: LWG-0004ALLS

# Commercial Range – Anti-Ligature Locksets



## Ensuite Lockset with Secondary Override

Some doors in psychiatric hospitals are better controlled by the clinical staff and therefore need to be controlled by key. At certain times it might be that those doors need to be operable by the service user group and therefore left unlocked. Free swinging doors to communal areas are better equipped without a turn handle on the inside to prevent one patient from trying to prevent access to another which can cause unrest.

Supplied complete with pull handles on both sides of the door the lockset comprises a robust deadbolt and is further equipped with a medium sprung, heavy duty, roller catch which allows the client to open or close the door without the need of a lever handle.

Locking is limited to one side of the door and therefore perfectly suited to en-suite bathrooms, service risers or shallow non walk-in cupboards.

Product Code: LWG-0005ALLS



## Deadlatch Lockset with Secondary Override

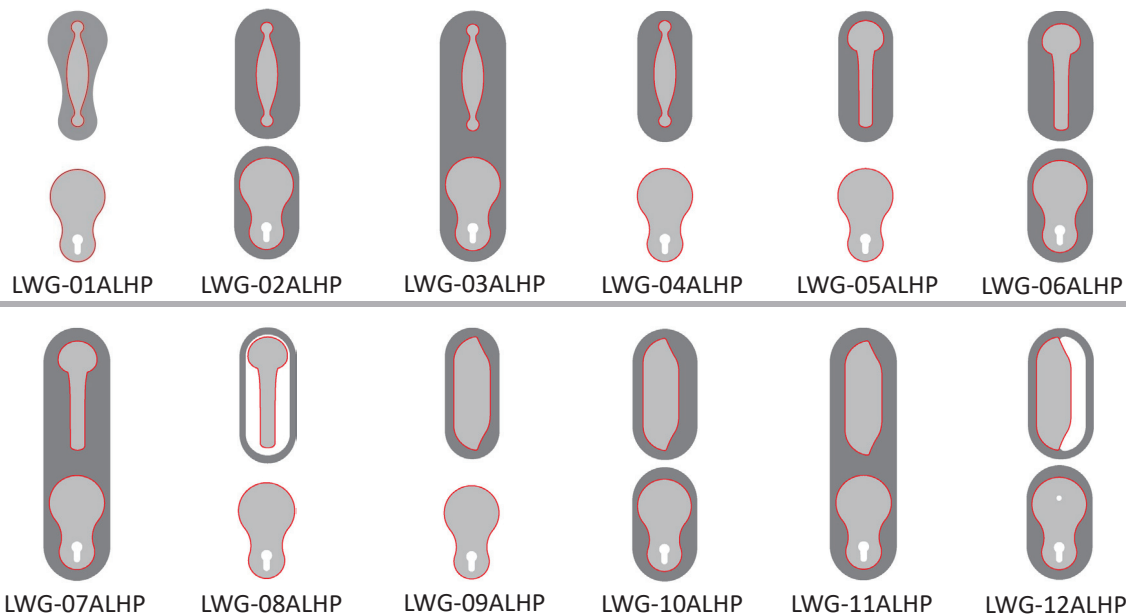
Operating on a key/key basis the lockset locks automatically whenever the door is closed making it an ideal option for link, office or cupboard doors behind which there may be hazardous items. In Step-down or Rehabilitation Units where patients may be issued with a key it is still possible to access the room in the event of an emergency by means of the integral Secondary Barricade Override mechanism.

Automatic locking products can have a significant role to play in psychiatric hospitals. A door that locks itself automatically can assist the clinical team in knowing that a closed door is a locked door.

Supplied with an anti-thrust bolt this model automatically deadlocks when the door is in the closed position preventing patient manipulation.

Product Code: LWG-0006ALLS

## Handle and Plate Options - Tested to TS 001:2013



## Commercial Range – Anti-Ligature Locksets



### Anti-Ligature Electronic Lockset (lol)

An electronic lockset with an integrated override system that encourages patient independence whilst also providing reliable access during a barricade situation. The lockset is programmed and monitored using Access Control management software.

This enables live lock plan updates, audit trails, custom lock plans and battery monitoring. Enable patient independence – reduces restrictive practices in line with Care Quality Commission guidelines; providing patient privacy and dignity, aiding the recovery process. Integrated override – allowing the override of a barricade in less than 5 seconds without the need for additional tools. Wireless System – can be retrofitted with minimal disruption.

Complete access control system – used with our wall readers, staff need only one access card to open all doors. Reduces staff keys and tooling – the override system is activated by our Lifeline key that is also used on our, vision panel, window restrictors and anti barricade door stop.

The override system incorporates an emergency lever with a mechanical advantage to unlock the door and a strong grip to pull the door open against a barricade. The Lifeline key activates the override and does not require a separate tool kit. An internal ratchet mechanism deactivates the internal turn pull and prevents the patient from locking the door from the inside.

Product Code: LWG-0040AC

## Commercial Range - Anti-Ligature Hinges



### Anti-Barricade Pivot System (Surehinge)

The Surehinge anti-barricade pivot system is a patented 'no gap' system that successfully meets the highest possible safety standards, addressing the ligature issue as well as providing FD60 fire rating.

Double action – pivot system opens inwards and outwards.

54mm pivot and curved aluminium profile.

Max opening angle: 100 degrees

Absence of visible fixings is less institutional, as is the sleek, curved appearance.

Robust, yet the range of timber effect or RAL powder-coated finishes to blend in.

FD60 fire rated.

Product Code: LWG-0027ALH



### Anti-Ligature Butt Hinge Radius

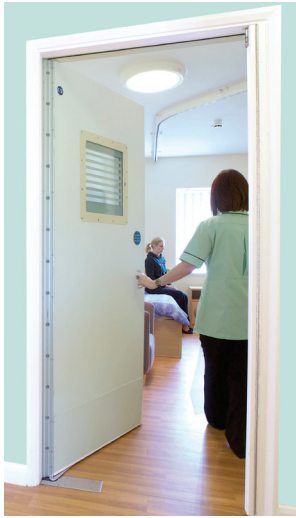
- 100 x 71mm triple knuckle butt hinge.
- Tested and approved to BS EN 1935 Grade 13 (severe duty).
- CE Marked.
- Certifire Approved.
- Approved for use on fire doors.
- Maximum adjusted door weight 120kg.
- Stainless steel.
- Security faceplates.



Product Code:  
LWG-2131RSS



# Commercial Range - Anti-Ligature Hinges



## Double Action Continuous Hinge

- Designed for 44mm doors. For doors greater than 44mm an additional packer piece is available, which allows the hinge to fully open 90° in both directions.
- Hinge length: 2100 or 2400mm.
- Door weight 160kg Grade 6 for severed duty DD17L.
- Fire tested to European Standard EN1634-1 2000 to 30 minutes.
- Performance tested to European Standard BS EN 1935.
- Tested to TS 001:2013.
- Satin Anodised Aluminium.

BS EN

Product Code:  
LWG-0007ALH



## Single Action Continuous Hinge

- Two full height, paired and geared leaves. Each geared leaf rotates evenly from top to bottom riding on bearings. The softened bearings greatly reduce the ligature between the bearing and hinge leaves which minimises potential self-harm in the open state.
- Anti-Ligature tip which greatly minimises the potential gap in open and closed positions and ensures no gap behind the bearing. The design features of the tip improve safety, making it ideal for use in a wide variety of situations in healthcare, psychiatric and secure accommodation environments where self-harm is a risk.
- Tested and approved to BS EN 1935.
- Fire tested to BS476: Part 20 & 22 for 30 & 60 minutes.
- Opens 180° in one direction, allowing door to fold back.
- Tested to TS 001:2013 B4.
- Satin Anodised Aluminium.

BS EN

Product Code:  
LWG-0008ALH



## Concealed Door Closer (Sureclose)

Concealed transom closer for use with Surehinge. Easy to install, it's strong, durable, and versatile, with no floor excavations required. The concealed transom design is fitted in the frame head, so avoids ligature points. It also offers improved fire safety and minimises smoke and light leakage. And as well as an impressive back check function, the adjustable power rating measures up to every modern safety standard.

Tested and Approved to BS EN1154 (mechanical) and BS EN1155 (emag)  
CE Marked  
Certifire Approved  
Approved for use on fire doors FD60  
Max opening angle: 100 degrees

Configurations:

- Standard (mechanical): EN1-4
- EMAG Hold Open: EN4 or EN5
- Freeswing: EN4

Product Code: LWG-0028ALC (mechanical)  
LWG-0029ALC (emag hold-open)

## Commercial Range – Anti-Ligature Closing Devices



### Variable Power Floor Spring

- Variable power universal floor spring mechanism.
- Power adjustable EN1-4.
- Suitable for door widths upto 1100mm.
- Can conform to the opening force requirements of Approved Doc M, BS8300 and the Equalities Act.
- Suitable for single and double action doors upto 120kg weight.
- Stainless steel.
- Backcheck function.
- Adjustable closing speed.
- Adjustable latching speed.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1154.



Product Code:

LWG-3721SS (single action)

LWG-3722SS (double action)



### Electro-magnetic Hold Open Floor Spring

- Electro-magnetic hold open floor spring mechanism.
- Power adjustable EN4.
- Suitable for door widths upto 1100mm.
- Enables door to be held open in pre-selected open position when powered.
- De-activates in the event of fire alarm activation/power interruption allowing door to self close.
- Stainless steel.
- Backcheck function.
- Operating voltage 24v DC.
- Adjustable closing speed.
- Adjustable latching speed.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1155.



Product Code:

LWG-3841SS (single action)

LWG-3842SS (double action)



### Concealed Jamb Mount Door Closer

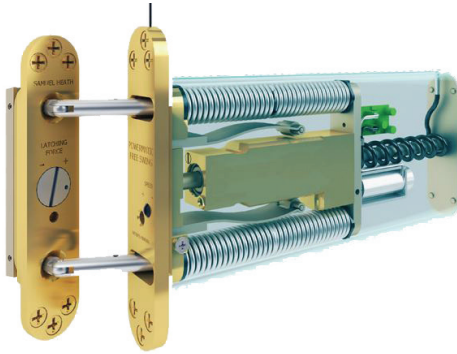
- Power adjustable EN3.
- Suitable for door widths upto 950mm.
- Can conform to the opening force requirements of Approved Doc M, BS8300 and the Equalities Act.
- Satin chrome.
- Adjustable closing speed.
- Adjustable latching speed.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Tested and approved to BS EN 1154.



Product Code:

LWG-3610SC

## Commercial Range – Anti-Ligature Closing Devices



### Concealed Free Swing Jamb Mount Door Closer

- Power adjustable EN3.
- Suitable for door widths upto 950mm.
- Can conform to the opening force requirements of Approved Doc M, BS8300 and the Equalities Act.
- Operating voltage 24v DC.
- Adjustable closing speed.
- Adjustable latching speed.
- Approved for use on fire doors.
- Certifire Approved.
- CE Marked.
- Satin chrome.
- Tested and approved to BS EN 1154 and BS EN 1155.



Product Code:  
LWG-3611SC



### Multi-point Lock

- 20 x 7.5mm forend as standard.
- Solid steel levers.
- Carbonitrided steel antilever hooks in auxiliary cases.
- High and low locking points in carbonitrided steel.
- High steel strike and floor strike with antidust protection.
- Closed galvanized steel cases.
- Highly rigid U-type profile steel front.
- Security escutcheons included.

Product Code:  
LWG-0009ALL

# Commercial Range – Anti-Ligature Closing Devices



## Euro Profile Mortice Sashlock

- Latchbolt operated by key from either side and lever handle or turn knob from inside using a double cylinder. Deadbolt operated by key from either side using a double cylinder or by key from outside and thumb turn inside using a single cylinder with turn.
- Approved for use on fire doors.
- CE Marked.
- Performance Approved to BS EN12209.



Product Code:  
LWG-0010ALL



## Euro Profile Mortice Deadlock

- 82mm backset.
- Approved for use on fire doors.
- CE Marked.
- Performance Approved to BS EN12209.



Product Code:  
LWG-0011ALL

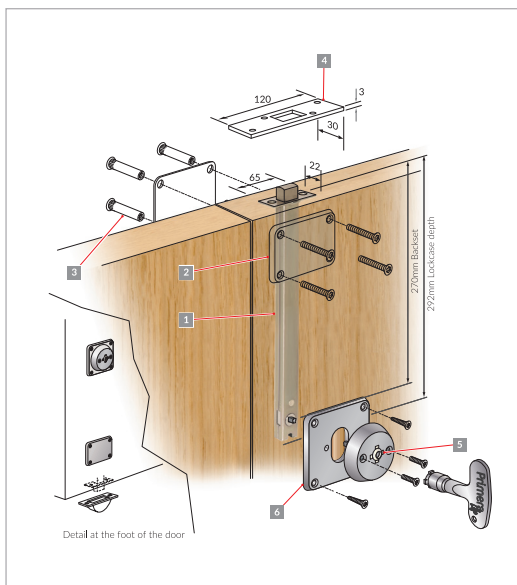


## Euro Profile Roller Bolt Deadlock

- Heavy duty.
- 82mm backset.
- Approved for use on fire doors.
- CE Marked.
- Performance Approved to BS EN12209.



Product Code:  
LWG-0012ALL



## Anti-tamper Mortice Bolt

Where mental health units use secondary slave-leaf doors, there's often a problem in making sure that those doors can be secured. They become a weak point, easier to force or kick open and yet are often a necessary feature for access and successful functioning of units.

The anti-tamper mortice bolt is designed to withstand high levels of impact and resist tampering, whilst being quick and simple for staff to open:

1. Extended tubular deadbolt
2. 3mm reinforcing plates
3. Back to back fixings
4. High impact strike plate
5. Life-Line closed keyway
6. 3mm steel escutcheon plate

Product Code:  
LWG-0013ALB

# Commercial Range - Anti-Ligature Stops



## Multi-lock Removable Door Stop

A full length, fire rated, stop mounted doorstop, ideal for bedroom and en-suite doors in mental health environments.

Single point operation (espagnolette system; one key opens 2 locks) streamlines locking and unlocking procedures, allowing quicker, easier access.

By two locks engaging and unlocking simultaneously it guarantees when locked it is securely fastened in two places and does not allow for the one to be left unlocked.

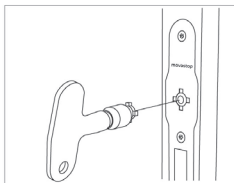
Product Code:  
LWG-0014ALS



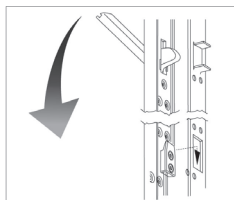
## Emergency Release Door Stop with Lock In/Out

- Allows double action doors to operate as single swing when hung on pivots.
- Emergency access is gained by depressing the stop and pulling the door outwards.
- Stainless steel.
- Stop releases automatically.
- Includes holdback facility.
- Suitable for use on FD30 and FD60 fire doors.
- Stop can be locked in or out to e.g. prevent tampering.

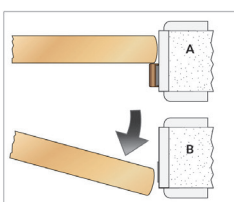
Product Code:  
LWG-0015ALS



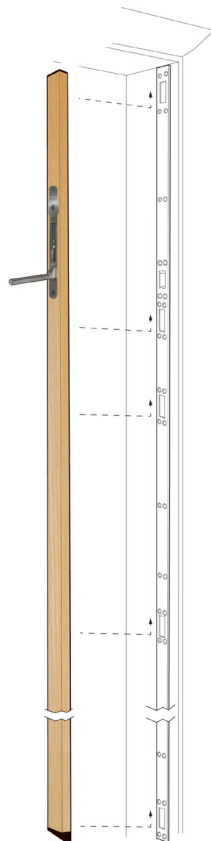
Life-Line key to unlock.  
Handle is recessed.



Handle driven down to disengage lugs and overcome any pushing force from inside the room.



Doorstop removed to allow door to open in an outward direction.



## Removable Door Stop

- Non institutional.
- Conventional in appearance and proportion.
- Quick fit/easy install.
- Easy operation with the Life-Line key.
- Universal/non-handed.
- Inconspicuous/discreet.
- Rapid release.
- Robust, sturdy design.
- Resilience against side load damage.
- Tested to TS001: 2013 B4.
- Increased sight and sound privacy.

Product Code:  
LWG-0016ALS

## Commercial Range – Anti-Ligature Door Furniture



### Pinch Grip Handle

- Tested to TS001:2013.
- Anti-tamper fixings.
- Laser cut, chamfered edged back plates are designed to minimise the potential for self-harm or injury to clinical staff.

Product Code:  
LWG-0017ALF



### Anti-Ligature Suregrip Handle

Suregrip positions the plate over to the side, so there are still no ligature points, but a better grip is achieved. It can be rotated 180 degrees meaning it can be installed on any door.

- Tested to TS001:2013.
- Anti-tamper fixings.
- 220mm pull handle with invisible backplate.
- The handle can be rotated 180 degrees to change the handing.
- Stainless steel finish.

Product Code:  
LWG-0024ALF



### Anti-Ligature Oryx Lever Handle

Designed in response to the needs of an ageing population, the Oryx lever handle makes door opening easier for those with poor grip or hand co-ordination.

Ideal for the infirm or elderly, it looks like a normal lever handle, so is easily recognised by dementia patients, and is based on the same footprint as turn/pull handles, using 38mm or 70mm bolt-through fixings.

Tested to TS001:2013.  
Anti-tamper fixings.  
148mm x 103mm dia.  
Stainless steel finish.

Product Code:  
LWG-0025ALF



### Anti-Ligature Turn/Pull

Robust and with no visible fixings, the Turn/Pull handle is commonly used on the inside of bedroom doors. It can also be used to operate the lock, allowing service users to create their own private space, with the staff key still unlocking the door from the corridor.

- Tested to TS001:2013.
- No visible fixings.
- Stainless steel finish.

Product Code:  
LWG-0026ALF



# Commercial Range – Anti-Ligature Door Furniture



## Flush Pull Handle

- Anti-ligature bolt through flush pull handle.
- Box section is curved to prevent objects being forced into the slot.
- Supplied with anti-tamper screws.
- Also available fixed back to back.
- Stainless steel.

Product Code:  
LWG- 0018ALH (bolt through)  
LWG- 0019ALF (back to back)



## Escutcheon

- Anti-Ligature 50mm diameter face fix escutcheon.
- Available with face fix or back to back fixing.
- Stainless steel.

Product Code:  
LWG- 0020ALF (face fix)  
LWG- 0021ALF (back to back)



## Door Top Alarm

Helps prevent attempted suicide at the tops of doors by detecting when weight is applied to the top of the door. This 30 minute fire rated and tamper proof system has a variable alarmed delay setting between 5 and 30 seconds.

The door top alarm connects via the main power, and is compatible with most staff attack systems and can alert staff via audible alarm, visible light, staff indicator panel and via the pager or main computer.

Product Code:  
LWG- 0022ALA



## Electrical Transfer Hinge

- Suitable for single and double acting doorsets.
- Transfer wire tested to 3 million cycles.
- 200mm section hinge.
- Performance tested to 1.25 million cycles.

Product Code:  
LWG-0023ALHE

## Key to Symbols



Product has been tested and approved to relevant standard.



Product is suitable for use on fire doors.



Product assists specifiers to meet their obligations under the Equality Act 2010 or the guidance given in BS 8300.



Product is Certifire Approved.



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