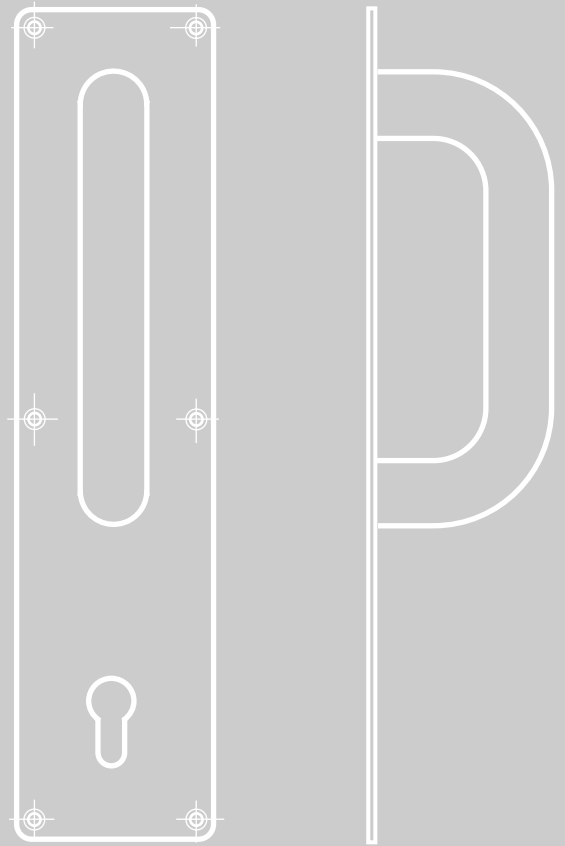


# Approved Ironmongery for the Railway Environment



# Introduction

## DOOR FURNITURE METHOD STATEMENT

This catalogue has been compiled in response to the requirements of the Fire Precautions Act (Sub-Surface Railway Stations) Regulations 1401:1989, The EC Construction Products Directive and the Loss Prevention Council's Loss Prevention Standard LPS 1175: Issue 3 - Specification for testing and classifying the burglary resistance of building components, strongpoints and security enclosures.

The catalogue must be read in conjunction with Section P21 Ironmongery of the project General Builderswork Specification which defines the performance criteria to be met.

The specification of door furniture to be used on the Underground should meet the functional requirement of the room for which it is being specified. An Equipment Room with one access/means of escape will require a door which opens out, if into a public area has a vision panel and a panic function lock (not a panic bolt as for public means of escape). An office may require a mortise latch, mortise locking latch or deadbolt depending on the function, location and security requirement.

Lockcases are all mortised into the door leaf, rim locks offer little physical security and their use should be avoided. All lockcases are of steel construction, no component part is to have a melting point of less than 850°C. The access, escape and security function of each lockcase is fully described. The hand required must be described as viewed from the hinge (butt) side of the door (LH/RH).

Face fixed furniture has been catalogued in two varieties, grade 316 stainless steel for post war constructions and BMA gunmetal for pre-war, listed and heritage constructions.

Options for the size of pull handle are given for specification according to door leaf size.

Closers are shown to cater for the varying conditions with adjustable power sizes. You must select that which is appropriate to the requirement. All closers should be fitted to the non-public side of the door to prevent vandalism.

Kicking plates are shown for pre and post war constructions. You should select that appropriate for the chosen furniture.

Barrel bolts inclusive of dust excluding sockets, frame sockets and top receiving plates are shown for use on the inactive leaf of double door sets.

Hinges are shown, the number to be used on each door leaf is dependent on leaf size and weight. The design weight loading must be taken into consideration in conjunction with the selected closer.

Furniture and signs should be fitted to doors and frames in accordance with the included illustrations.

Manufacturers and suppliers named within this catalogue are identified as capable of meeting the performance requirements described herein. The LU Furniture reference should be used with the specifier's Door and Ironmongery Schedule.

The catalogue may not be exhaustive of all requirements - advice and assistance with the preparation of schedules may be obtained in the first instance from the LUL BCG Liaison Architect or BCG Advisor.

## 3RD EDITION - June 2002

Previously titled the "Door Furniture Catalogue"; this edition has been reformatted to include isometric illustrations of the furniture and improved page layout. The criteria for selection of furniture remains as stated in the Introduction to the 1st Edition. The opportunity has been taken to modify fixing details with Torx screws replacing snake-eye and through door instead of face fix. Glycol filled door closers have been introduced to further minimise fire risk. Specifications have been updated and modified consequent upon new and proposed EN's. The list of suppliers and manufacturers has been expanded.

This edition has been prepared with assistance from Suppliers and Manufacturers without whose detailed understanding of functional requirements and knowledge of architectural ironmongery assembly of this information would be extremely difficult.

The catalogue may not be exhaustive of all requirements advice and assistance with the preparation of schedules may be obtained in the first instance from the Architects' Liaison Manager.

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# Hinges

## Part No. A1

### High performance door hinge with concealed bearings

**Size:** 102 x 89 x 3  
102 x 76 x 3

**Material:** Austenitic stainless steel Grade 316

**Finish:** Standard finish: Satin brushed stainless steel.  
Alternative: Electrophoretic simulated bronze.

**Standards:** Independently tested to BS EN 1935  
Grade 13 Certifire Approved and CE  
marked for fire door usage.

**Specification:** Maximum adjusted door weight 120kgs.  
Minimum door thickness 44mm  
25 year performance guarantee.  
Maintenance free concealed bearings.  
Precision template drilled for use on  
steel or timber door sets.  
Screw size: 31mm x No.10 Twinfast  
Pozihead, M6 x 16mm for metal doors.  
Markings LUL-A1 on hinge leaf.  
Radius corners to special order.



*Advisory: select finish to compliment chosen furniture.  
Select A1 for design loads up to 120kgs and high frequency  
application.  
For 44mm thick half hour timber fire doors specify: 102 x 76 x 3  
For 54mm thick one hour timber fire doors specify: 102 x 89 x 3*

# Hinges

## Part No. A4

### High performance door hinge with concealed bearings

**Size:** 114 x 102 x 3.4

**Material:** Austenitic stainless steel Grade 316

**Finish:** Standard finish: Satin brushed stainless steel.  
Alternative: Electrophoretic simulated bronze.

**Standards:** Independently tested to BS EN 1935  
Grade 13 Certifire Approved and CE  
marked for fire door usage.

**Specification:** Maximum adjusted door weight 160kgs.  
Minimum door thickness 44mm  
25 year performance guarantee.  
Maintenance free concealed bearings.  
Precision template drilled for use on  
steel or timber door sets.  
Screw size: 31mm x No.12 Twinfast  
Pozihead, M6 x 16mm for metal doors.  
Markings LUL-A4 on hinge leaf.  
Radius corners to special order.



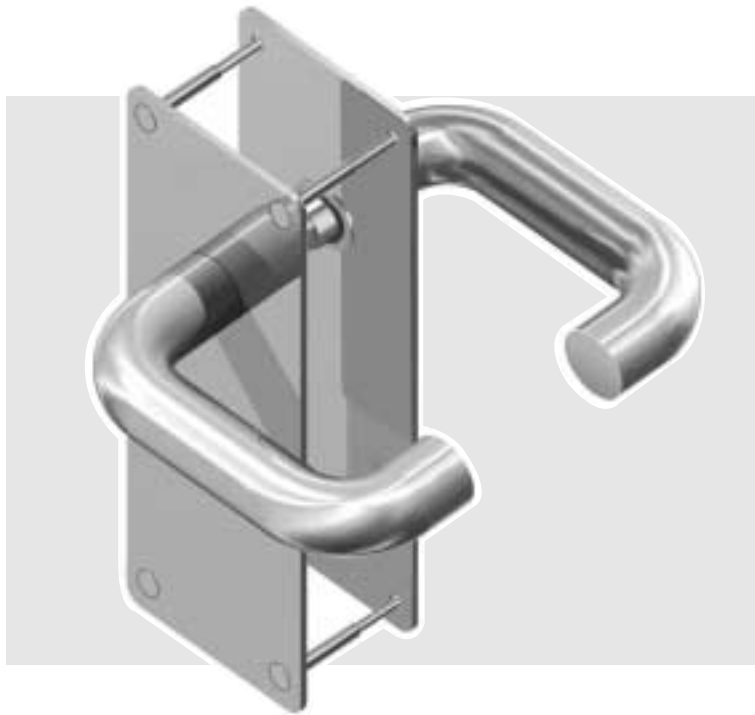
*Advisory: select finish to compliment chosen furniture.  
Select A4 for design loads up to 160kgs and high  
frequency application.*

## Door Furniture

### Part No. F01

**Lever / lever latch furniture / unsprung on unpierced backplate with solid spindle and security back to back Torx head fixing screws.**

<b>Size:</b>	Lever handle Backplate Spindle	135 x 25 dia. 212 x 75 x 2 100 x 9 sq.	<b>Finish:</b>	Lever and backplate Spindle In accordance with Tubelines/Metronet specification.	Satin polished Zinc passivated
<b>Material:</b>	Lever and backplate Spindle	316 stainless steel Mild steel	<b>Standards:</b>	To LUL specification from approved manufacture list.	
<b>Fixings:</b>	Male and female back to back bolt through fixings with Torx head.		<b>Specification:</b>	To suit L01 latch.	



*Advisory: use in intercommunicating office doors where no security is required.  
Requires L01 R/L mortice latch.*

## Door Furniture

### Part No. F04

**Lever / lever latch furniture / unsprung on euro pierced backplate with split spindle and security back to back Torx head fixing screws.**

<b>Size:</b>	Lever handle Backplate Spindle	135 x 25 dia. 212 x 75 x 2 110 x 9 sq. 2 piece	<b>Finish:</b>	Lever and backplate Spindle	Satin polished Zinc passivated
<b>Material:</b>	Lever and backplate Spindle	316 stainless steel Mild steel	<b>Standards:</b>	To LUL specification from approved manufacture list.	
<b>Fixings:</b>	Male and female back to back bolt through fixings with Torx head.		<b>Specification:</b>	To suit L03 and L04 panic locks.	



*Advisory: use in secure staff accommodation areas,  
e.g: DSM, GSM office, cash handling rooms.  
Requires L03 R/L or L04 R/L panic lock cases.*

## Door Furniture

### Part No. F04X

**Lever / lever latch furniture / unsprung on euro pierced backplate with solid spindle and security back to back Torx head fixing screws.**

<b>Size:</b>	Lever handle Backplate Spindle	135 x 25 dia. 212 x 75 x 2 Solid - 110 x 9sq.	<b>Finish:</b>	Lever and backplate Spindle In accordance with Tubelines/Metronet specification.	Satin polished Zinc passivated
<b>Material:</b>	Lever and backplate Spindle	316 stainless steel Mild steel	<b>Standards:</b>	To LUL specification from approved manufacture list.	
<b>Fixings:</b>	Male and female back to back bolt through fixings with Torx head.		<b>Specification:</b>	To suit L12 sash locks	



*Advisory: use in cupboard or storeroom doors where panic escape is not required.*

*Requires L12 R/L mortice sash lock.*

## Door Furniture

### Part No. F04WC

**Lever / lever latch furniture / unsprung on thumb turn and release backplate with solid spindle and security back to back Torx head fixing screws.**

<b>Size:</b>	Lever handle Backplate Spindle	135 x 25 dia. 212 x 75 x 2 Solid - 110 x 9sq.	<b>Finish:</b>	Lever and backplate Spindle In accordance with Tubelines/Metronet specification.	Satin polished Zinc passivated
<b>Material:</b>	Lever and backplate Spindle	316 stainless steel Mild steel	<b>Standards:</b>	To LUL specification from approved manufacture list.	
<b>Fixings:</b>	Male and female back to back bolt through fixings with Torx head.		<b>Specification:</b>	To suit L13 bathroom locks.	



*Advisory: use in staff and public WC doors.  
Requires L13 bathroom lock.*

*\*Note: External public facing - use F13*

## Door Furniture

### Part No. F13/1/2/3

**Lever/pull furniture unsprung on euro pierced backplate with threaded solid spindle and security back to back Torx head fixings.**

<b>Size:</b>	Lever handle      135 x 25 dia. Lever backplate    212 x 75 x 2 Pull handle        150/225/300 x 25dia. Pull handle bk.plate F13/1  320 x 75 x 2 F13/2  395 x 75 x 2 F13/3  470 x 75 x 2 Spindle             108 x 9 sq. threaded	<b>Finish:</b>	Lever and bk.plate    Satin polished Pull and bk.plate     Satin polished Spindle                 Zinc passivated In accordance with Tubelines/Metronet specification.
<b>Material:</b>	Lever and bk.plate    316 stainless steel Pull handle & bk.plt. 316 stainless steel Spindle                 Mild steel	<b>Standards:</b>	To LUL specification from approved manufacture list
		<b>Specification:</b>	To suit L02 panic locks or L14 auto fire panic locks
		<b>Fixings:</b>	Male and female back to back bolt through fixings with Torx head.



*advisory: use in equipment room doors.  
 Requires L02R/L mortise sash lock with panic function & deadbolt and latch or  
 L14R/L mortise sash lock autofire panic action deadbolt and latch.*

## Door Furniture

### Part No. F14

**Handle arrangement to suit drivers J lock on plain unpierced lever handle plate and lipped external plate with conical key shroud fixed with security back to back Torx fixing screws.**

<b>Size:</b>	Lever handle	135 x 25 dia.	<b>Finish:</b>	Lever and bk.plates	Satin polished
	Back plate	212 x 75 x 2		Spindle	Zinc plated
	Spindle	Special tapered solid 83 x 9 sq.		In accordance with Tubelines/Metronet specification.	
<b>Material:</b>	Lever cone & bk.plate	316 stainless steel	<b>Standards:</b>	To LUL specification from approved manufacture list.	
	Spindle	Mild steel	<b>Specification:</b>	To suit L01 latch	
<b>Fixings:</b>	Male and female back to back through fixings with Torx head.				



*advisory: for use on auto-phone kiosks,  
driver's toilets, tea points.*

## Door Furniture

### Part No. F15

#### Lock Bezel

**Size:** Plate 154 x 40

**Material:** 316 stainless steel

**Finish:** Satin polished  
In accordance with Tubelines/Metronet  
specification.

**Standards:** To LUL specification from approved  
manufacture list.

**Specification:** To suit lock on sliding folding gates.



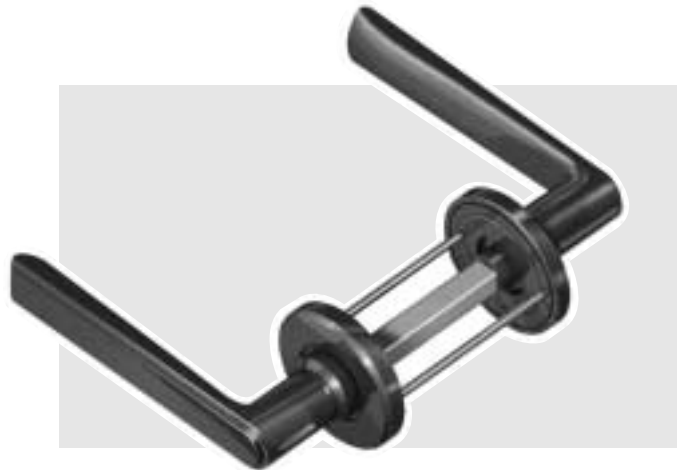
*advisory: to act as guide for key on sliding  
folding gate to protect keyway*

## Door Furniture

### Part No. F22

**Lever/lever furniture unsprung lever handles on roses complete with plain spindle and fixing screws.**

<b>Size:</b>	Lever handle Rose Spindle	120 x 20 54 Dia. x 7 9sq. x 100	<b>Finish:</b>	Lever handle Rose Spindle	RBMA RBMA Zinc passivated
<b>Material:</b>	Lever handle Rose Spindle	Gunmetal Gunmetal Mild steel	<b>Standards:</b>	To LUL specification from approved manufacture list	
<b>Fixings:</b>	Male and female back to back bolt through fixings with Torx head.				
			<b>Specification:</b>	To suit L01 latch locks	



*advisory: For listed/ heritage/ pre-war constructions.  
Use in intercommunicating office doors where no  
security is required. Requires L01R/Lmortise latch.*

## Door Furniture

### Part No. F25

**Lever/lever furniture unsprung lever handles on roses complete with split spindle and fixing screws. 1 pair Europrofile pierced escutcheons complete with fixing screws.**

<b>Size:</b>	Lever handle	120 x 20	<b>Finish:</b>	Lever handle	RBMA
	Rose	54 Dia. x 7		Rose	RBMA
	Spindle	9sq. x 100		Spindle	Zinc passivated
	Escutcheon	54 Dia. x 7		Escutcheon	RBMA
<b>Material:</b>	Lever handle	Gunmetal	<b>Standards:</b>	To LUL specification from approved manufacture list	
	Rose	Gunmetal		<b>Specification:</b>	To suit L03 and L04 panic locks
	Spindle	Mild steel			
	Escutcheon	Gunmetal			
<b>Fixings:</b>	Male and female back to back bolt through fixings with Torx head.				



*advisory: For listed/ heritage/ pre-war constructions. Use on cupboard or storeroom doors where panic escape is not required. Requires L03 and L04 mortise panic locks deadbolt and latch.*

## Door Furniture

### Part No. F25X

**Lever/lever furniture unsprung lever handles on roses complete with solid spindle and fixing screws. 1 pair Europrofile pierced escutcheons complete with fixing screws.**

<b>Size:</b>	Lever handle Rose Spindle Escutcheon	120 x 20 54 Dia. x 7 9sq. x 100 Solid 54 Dia. x 7	<b>Finish:</b>	Lever handle Rose Spindle Escutcheon	RBMA RBMA Zinc passivated RBMA
<b>Material:</b>	Lever handle Rose Spindle Escutcheon	Gunmetal Gunmetal Mild steel Gunmetal	<b>Standards:</b>	To LUL specification from approved manufacture list	
<b>Fixings:</b>	Male and female back to back bolt through fixings with Torx head.				
			<b>Specification:</b>	To suit L12 sash locks	



*advisory: For listed/ heritage/ pre-war constructions. Use on cupboard or storeroom doors where panic escape is not required. Requires Lo3 and Lo4 mortise panic locks deadbolt and latch.*

## Door Furniture

### Part No. F44/1/2/3

**Lever/lever furniture unsprung lever handles on roses complete with split spindle and fixing screws. 1 pair Europrofile pierced escutcheons complete with fixing screws. Use suffix D for additional pull handle for double leaf doorset.**

<b>Size:</b>	Lever handle Rose Spindle Pull handle Escutcheon	120 x 20 54 Dia. x 7 9sq. x 100 Solid 150/225/300 x 20 54 Dia. x 7	<b>Finish:</b>	Lever handle Rose Spindle Pull handle Escutcheon	RBMA RBMA Zinc passivated RBMA RBMA
<b>Material:</b>	Lever handle Rose Spindle Pull handle Escutcheon	Gunmetal Gunmetal Mild steel Gunmetal Gunmetal	<b>Standards:</b>	To LUL specification from approved manufacture list	
<b>Fixings:</b>	Male and female back to back bolt through fixings with Torx head.				
			<b>Specification:</b>	To suit L03 and L04 panic locks	



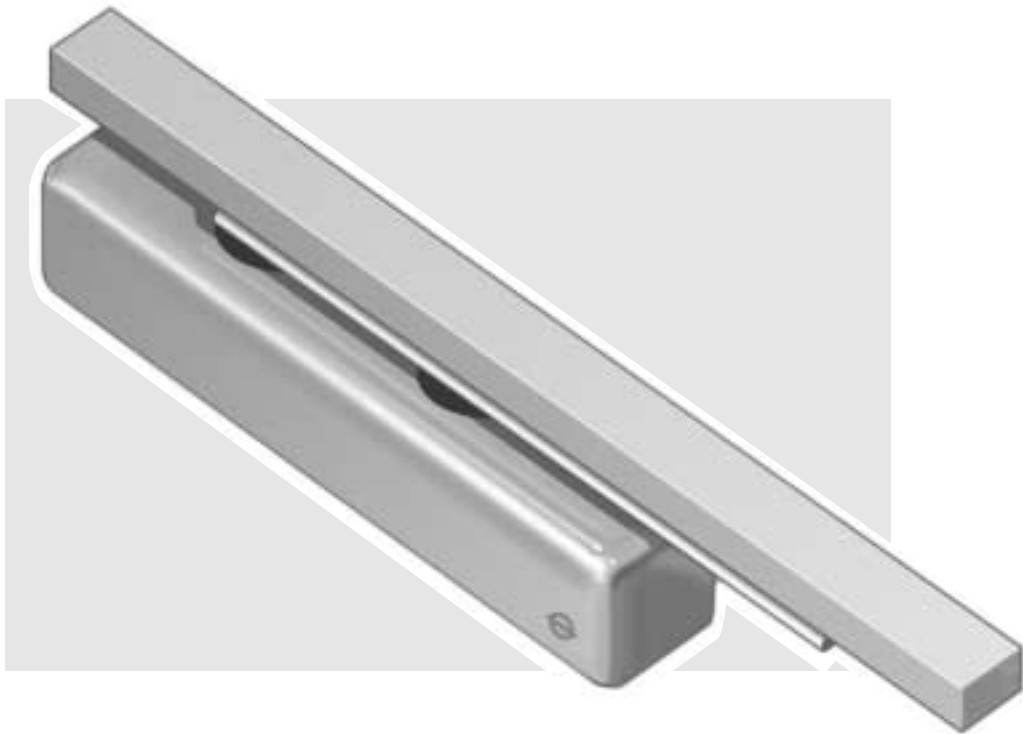
*advisory: For listed/ heritage/ pre-war constructions. Use on equipment door rooms. Requires Lo2 R/L mortise sash lock with panic function E deadbolt and latch or L14 R/L mortise sash lock autofire panic action deadbolt and latch.*

## Door Closers

### Part No. C6

**Slide arm overhead door closer to pull side of door.**

<b>Size:</b>	Power adjustable to size 2-6 Max. door size 1100mm or 80 kg.	<b>Standards:</b>	BS EN 1154 compliant Certifire Certified.
<b>Material/ Finish:</b>	SSS cover and matching electro plated channel. SE cover and matching electro plated channel. Bronze electro-phoretic cover and channel	<b>Specification:</b>	Security screws to cover and channel. Markings on cover, mechanism and arm assembly. 96 hour corrosion. Fire rated 120 min. timber + 240 min. steel. Fire fluid - water glycol fill
<b>Fixings:</b>	Tamper proof		
<b>Markings:</b>	LUL - C6 + Roundel		



*advisory: Closers are always to be fixed to the inside (unprotected) face of door leaf. Auxiliary brackets for restricted soffit conditions may be required - consult with supplier.*

## Door Closers

### Part No. C7

Fig.66 arm overhead door closer to push side of door.

<b>Size:</b>	Power adjustable to size 2-6 Max. door size 1250mm or 100 kg.	<b>Standards:</b>	BS EN 1154 compliant Certifire Certified.
<b>Material/ Finish:</b>	SSS cover and matching electro plated channel. SE cover and matching electro plated arm set. Bronze electro-phoretic cover and channel	<b>Specification:</b>	Security screws to cover and channel. Markings on cover, mechanism and arm assembly. 96 hour corrosion. Fire rated 120 min. timber + 240 min. steel. Fire fluid - water glycol fill
<b>Fixings:</b>	Tamper proof		
<b>Markings:</b>	LUL - C7 + Roundel		



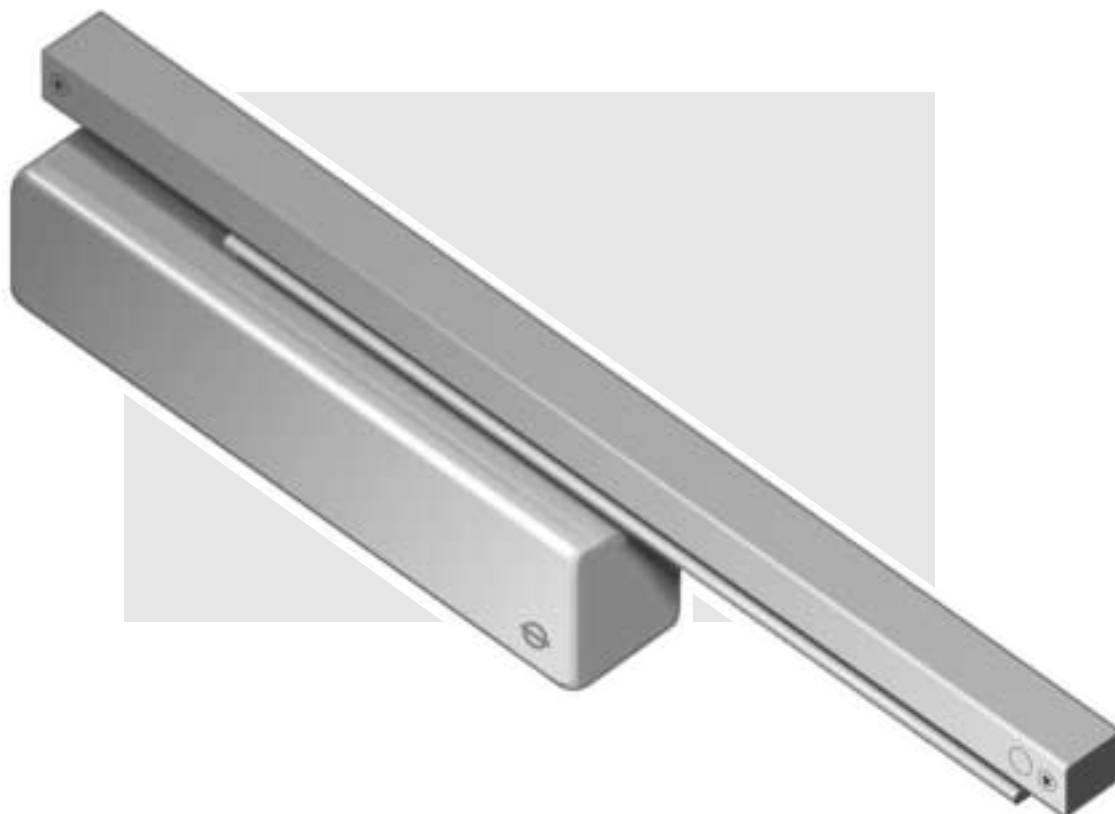
*advisory: Closers are always to be fixed to the inside (unprotected) face of door leaf. Auxiliary brackets for restricted soffit conditions may be required - consult with supplier.*

## Door Closers

### Part No. C8

Electro magnetic hold open door closer to pull side of door.

<b>Size:</b>	Power adjustable to size 2-6 Max. door size 1100mm or 80 kg.	<b>Standards:</b>	BS EN 1155 compliant Certifire Certified.
<b>Material/ Finish:</b>	SSS cover and matching electro plated channel. SE cover and matching electro plated channel. Bronze electro-phoretic cover and channel	<b>Specification:</b>	Security screws to cover and channel. Markings on cover, mechanism and arm assembly. 96 hour corrosion. Fire rated 120 min. timber + 240 min. steel. Fire fluid - water glycol fill
<b>Markings:</b>	LUL - C8 + Roundel		



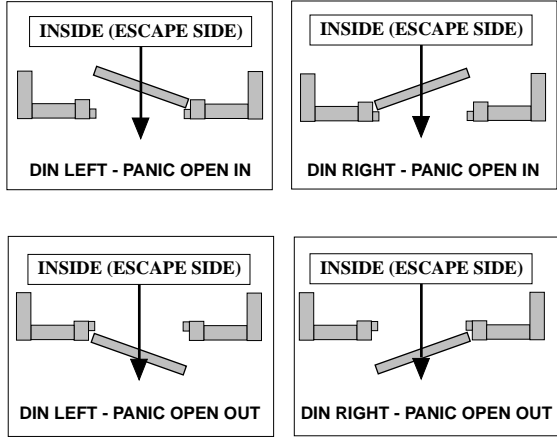
# Lock Cases

## Part No. L01

**Mortice latch.**

*Latch bolt operated by lever handle from inside or outside.*

<b>Size:</b>	Face plate 235 x 24 radius end, 65 backset	<b>Standards:</b>	DIN 18 250 and 180 251
<b>Material:</b>	Case Heavy duty mild steel Faceplate 316 stainless steel Strikeplate 316 stainless steel	<b>Specification:</b>	Latch case body to be enclosed. No cylinder cut-out. Solid follower to accept 9mm sq. bar spindle. To be operated by F01 or F022 furniture sets. Marking: LUL - L01 To be used in conjunction with LU/MLSSK stainless steel box striker.
<b>Finish:</b>	Case Galvanised or Hammerite Faceplate Satin brushed Strikeplate Satin brushed		



**ARROW INDICATES DIRECTION OF TRAVEL OR ESCAPE**

*advisory: Use in intercommunicating office doors where no security is required.  
Requires F01 or F22 lever / lever furniture.*

**LU / IL1 Intumescent 3 part lock protection pack available.**

# Lock Cases

## Part No. L02

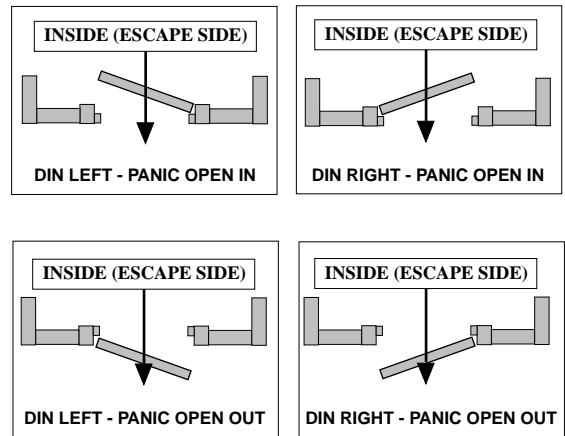
### Mortice sash lock with panic escape function E.

**Escape:** Escape from inside at all times by depressing lever handle.

**Access:** Access from outside only available by inserting key and turning to withdraw deadbolt on turns one and two with the latch bolt on the third

**Security:** Re-entry after escape only possible with key.

<b>Size:</b>	Face plate	235 x 24 radius end, 65 backset, centres 72mm	<b>Standards:</b>	DIN 18 250 and 180 251
<b>Material:</b>	Case	Heavy duty mild steel	<b>Specification:</b>	Latch case body to be enclosed. No cylinder cut-out. Solid follower to accept 9mm sq. bar spindle. To be operated by F13 and F44 furniture sets.
	Face plate	316 stainless steel		Marking: LUL - L02 on face plate
	Strike plate	316 stainless steel		To be used in conjunction with LU/MLSSK stainless steel box striker.
<b>Finish:</b>	Case	Galvanised or Hammerite		
	Face plate	Satin brushed		
	Strike plate	Satin brushed		



ARROW INDICATES DIRECTION OF TRAVEL OR ESCAPE

*advisory: Use in equipment room or store room doors. Requires F13/1/2/3 or F44/1/2/3 pull/lever handle furniture.*

**LU / IL1 Intumescent 3 part lock protection pack available.**

# Lock Cases

## Part No. L03

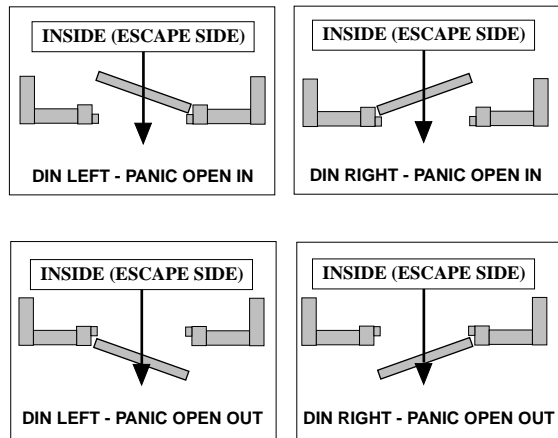
### Mortice sash lock with panic escape function B (open out)

**Escape:** *Escape from inside at all times by depressing lever handle.*

**Access:** *Access from outside only available by inserting key and turning to withdraw deadbolt on turn one and turn two activates the outside lever.*

**Security:** *Re-entry after escape only possible with key turned twice to activate lever handle.*

<b>Size:</b>	Face plate 235 x 24 radius end, 65 backset, centres 72	<b>Standards:</b>	DIN 18 250 and 180 251
<b>Material:</b>	Case Heavy duty mild steel Face plate 316 stainless steel Strike plate 316 stainless steel	<b>Specification:</b>	Latch case body to be enclosed. Euro cylinder cut-out. Split follower to accept 9mm sq. bar spindle. To be operated by F04 and F25 furniture sets.
<b>Finish:</b>	Case Galvanised or Hammerite Face plate Satin brushed Strike plate Satin brushed		Marking: LUL - L03 on face plate To be used in conjunction with LU/MLSSK stainless steel box striker.



ARROW INDICATES DIRECTION OF TRAVEL OR ESCAPE

*advisory: Use in staff accommodation doors opening to or from public areas.  
Requires F04 or F25 lever/lever furniture.*

**LU / IL1 Intumescent 3 part lock protection pack available.**

# Lock Cases

## Part No. L04

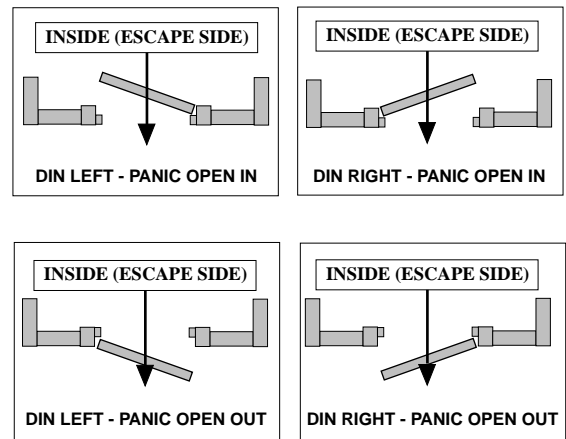
### Mortice sash lock with panic escape function B (open in)

**Escape:** Escape from inside at all times by depressing lever handle.

**Access:** Access from outside only available by inserting key and turning to withdraw deadbolt on turn one and turn two activates the outside lever.

**Security:** Re-entry after escape only possible with key turned twice to activate lever handle.

<b>Size:</b>	Face plate	235 x 24 radius end, 65 backset, centres 72	<b>Standards:</b>	DIN 18 250 and 180 251
<b>Material:</b>	Case	Heavy duty mild steel	<b>Specification:</b>	Latch case body to be enclosed. Euro cylinder cut-out. Split follower to accept 9mm sq. bar split spindle.
	Face plate	316 stainless steel		To be operated by F04 and F25 furniture sets.
	Strike plate	316 stainless steel		Marking: LUL - L04 on face plate To be used in conjunction with LU/MLSSK stainless steel box striker.
<b>Finish:</b>	Case	Galvanised or Hammerite		
	Face plate	Satin brushed		
	Strike plate	Satin brushed		



ARROW INDICATES DIRECTION OF TRAVEL OR ESCAPE

*advisory: Use in staff accommodation doors opening to or from public areas.  
Requires F04 or F25 lever/lever furniture.*

**LU / IL1 Intumescent 3 part lock protection pack available.**

# Lock Cases

## Part No. L12

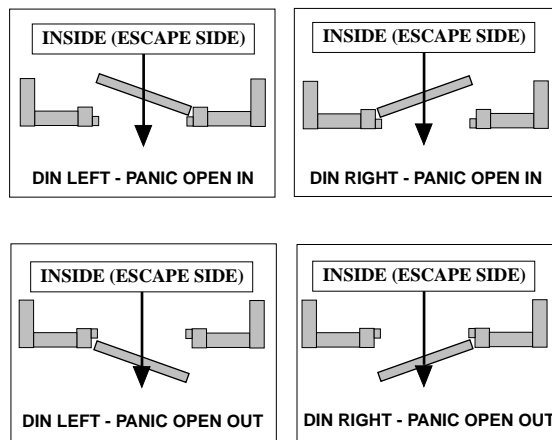
### Mortice sash lock.

**Escape:** Only possible when the deadbolt is not engaged, latch bolt operated by depressing lever handle.

**Access:** Access from outside only available by inserting and turning key to unlock the deadbolt.

**Security:** Re-entry after escape possible by depressing lever handle.

<b>Size:</b>	Face plate	235 x 24 radius end, 65 backset, centres 72	<b>Standards:</b>	DIN 18 250 and 180 251
<b>Material:</b>	Case	Heavy duty mild steel	<b>Specification:</b>	Latch case body to be enclosed. Euro cylinder cut-out. Solid follower to accept 9mm sq. bar spindle.
	Face plate	316 stainless steel		To be operated by F04X and F25X furniture sets.
	Strike plate	316 stainless steel		Marking: LUL - L12 on face plate
<b>Finish:</b>	Case	Galvanised or Hammerite		To be used in conjunction with LU/MLSSK stainless steel box striker.
	Face plate	Satin brushed		
	Strike plate	Satin brushed		



ARROW INDICATES DIRECTION OF TRAVEL OR ESCAPE

*advisory: Use in cupboard or storeroom doors where panic escape is not required. Requires F04X or F25X lever/lever handle.*

**LU / IL1 Intumescent 3 part lock protection pack available.**

# Lock Cases

## Part No. L13

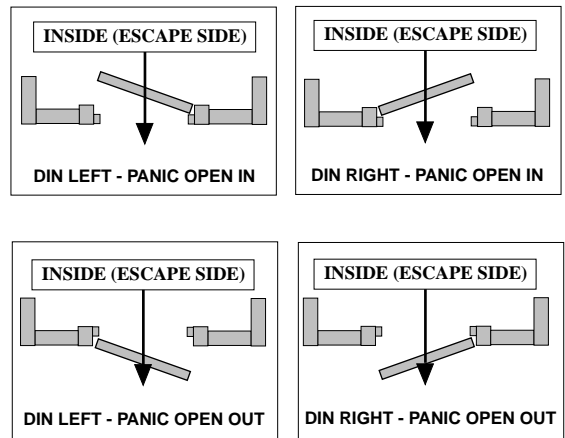
### Mortice bathroom lock.

**Escape:** Only possible when the deadbolt is not engaged, latch bolt operated by depressing lever handle.

**Access:** Access from outside only available by depressing lever handle, deadbolt can be withdrawn in an emergency by turning external release.

**Security:** None.

<b>Size:</b>	Face plate	235 x 24 radius end, 65 backset, centres 72	<b>Standards:</b>	DIN 18 250 and 180 251
<b>Material:</b>	Case	Heavy duty mild steel	<b>Specification:</b>	Latch case body to be enclosed. No cylinder cut-out. Solid follower to accept 9mm sq. bar spindle.
	Face plate	316 stainless steel		To be operated by F04WC and F25WC furniture sets.
	Strike plate	316 stainless steel		Marking: LUL - L13 on face plate To be used in conjunction with LU/MLSSK stainless steel box striker.
<b>Finish:</b>	Case	Galvanised or Hammerite		
	Face plate	Satin brushed		
	Strike plate	Satin brushed		



ARROW INDICATES DIRECTION OF TRAVEL OR ESCAPE

*advisory: Use in staff and public WC's.  
Requires F04WC or F25WC lever/lever handle.*

**LU / IL1 Intumescent 3 part lock protection pack available.**

# Lock Cases

## Part No. L14

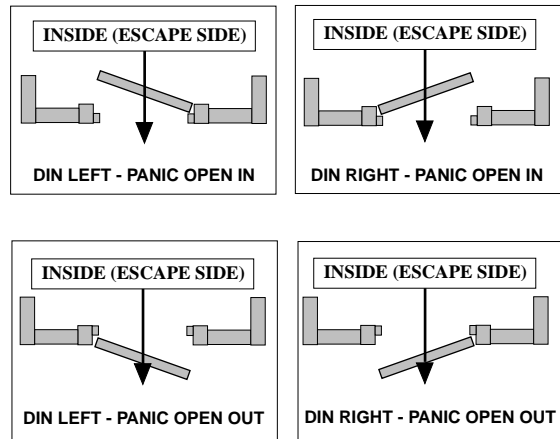
### Mortice sash lock with auto-fire panic escape function E.

**Escape:** Escape from inside at all times by depressing lever handle.

**Access:** Access from outside only available by inserting key and turning to withdraw deadbolt on turn one and turn two withdraws latchbolt.

**Security:** On closing the door, the latch bolt auto-fires the secondary latchbolt into deadbolt function, re-entry only possible by inserting and turning key from outside.

<b>Size:</b>	Face plate	235 x 24 radius end, 65 backset, centres 72	<b>Standards:</b>	DIN 18 250 and 180 251
<b>Material:</b>	Case	Heavy duty mild steel	<b>Specification:</b>	Latch case body to be enclosed. Euro cylinder cut-out. Solid follower to accept 9mm sq. bar spindle.
	Face plate	316 stainless steel		To be operated by F13 and F44 furniture sets.
	Strike plate	316 stainless steel		Marking: LUL - L14 on face plate To be used in conjunction with LU/MLSSK stainless steel box striker.
<b>Finish:</b>	Case	Galvanised or Hammerite		
	Face plate	Satin brushed		
	Strike plate	Satin brushed		



ARROW INDICATES DIRECTION OF TRAVEL OR ESCAPE

*advisory: Use in access doors to staff accommodation e.g: lobby or fire exit. Requires F13/1/2/3 or F44/1/2/3 lever pull furniture.*

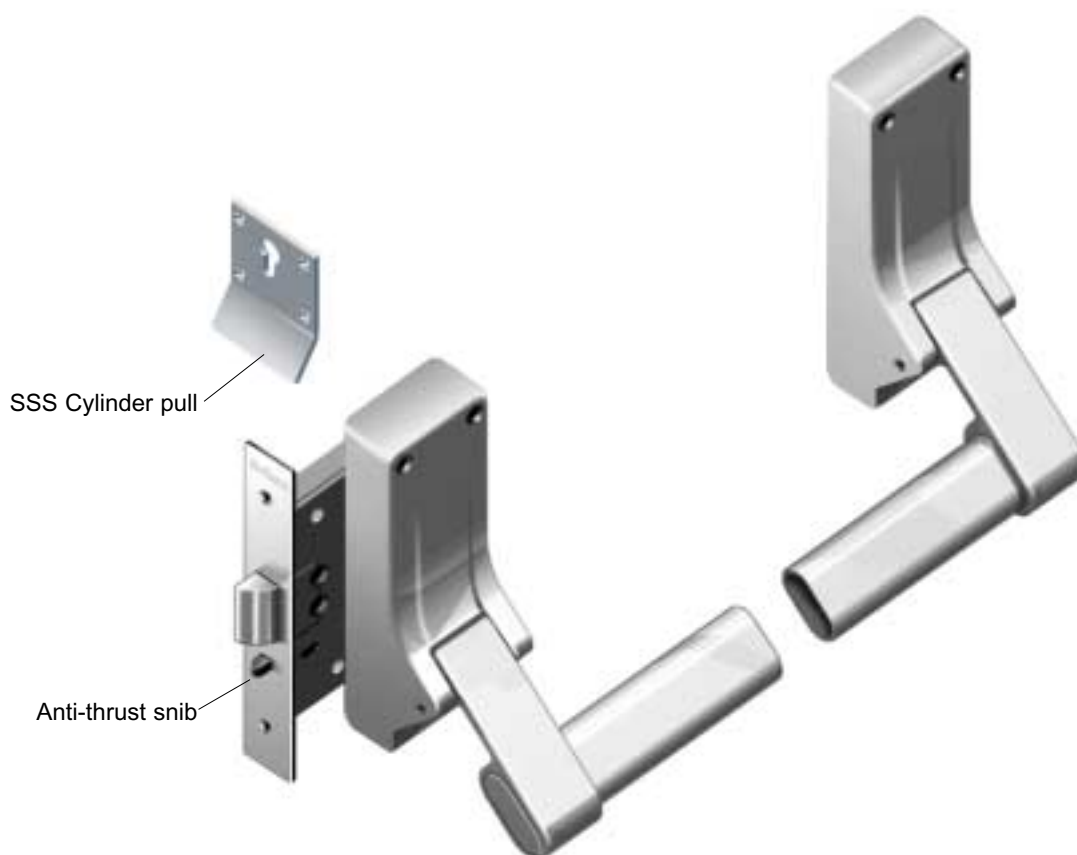
**LU / IL1 Intumescent 3 part lock protection pack available.**

# Panic Bolts

Part No. F06

## Mortice panic actuator

**Specification:** Surface mounted panic latch actuator with Europrofile mortice nightlatch to BS EN 1125  
Stainless Steel plated  
C.E.N Compliant and C.E. marked  
Self handing  
Fixing kits for both timber and steel door sets available  
Fire door tested



*advisory: Use on single escape door open out or active leaf of double door set external access by external single cylinder and pull.*

# Panic Bolts

Part No. F07

## Single panic bolt

**Specification:** Surface mounted single panic bolt with autofire top trip catch to BS EN 1125  
Stainless Steel plated  
C.E.N Compliant and C.E. marked  
Self handing  
Fixing kits for both timber and steel door sets available.  
Pullman catch adaptors available  
Fire tested to EN 1634



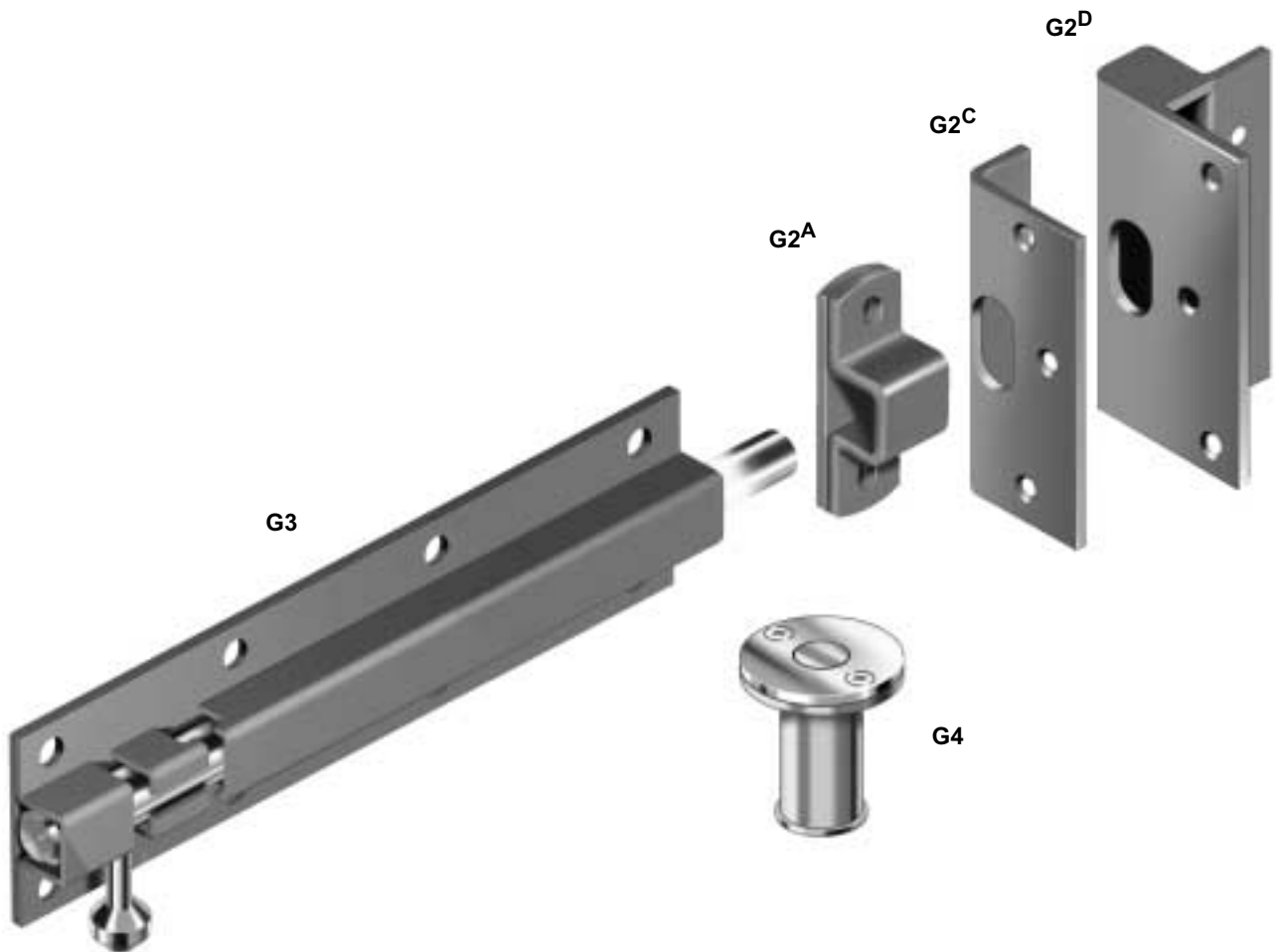
*advisory: Use on passive leaf of double leaf fire exit in conjunction with F06.  
External access cylinder and pull.*

## Miscellaneous

Part No. G3 / G4 / G2<sup>A</sup> / G2<sup>C</sup> or G2<sup>D</sup>

### Barrel bolt set.

Heavy duty barrel bolt with floor socket and frame sockets for open in or open out fixed leaf of double door set.  
Mild steel Hammerite finish.  
Fixed with coach screws and No.12 Twinfast Pozi head screws.



- G3** Barrel bolt
- G4** Dust excluding socket
- G2<sup>A</sup>** Flush door staple
- G2<sup>C</sup>** Outward opening frame socket
- G2<sup>D</sup>** Inward opening frame socket.

## Miscellaneous

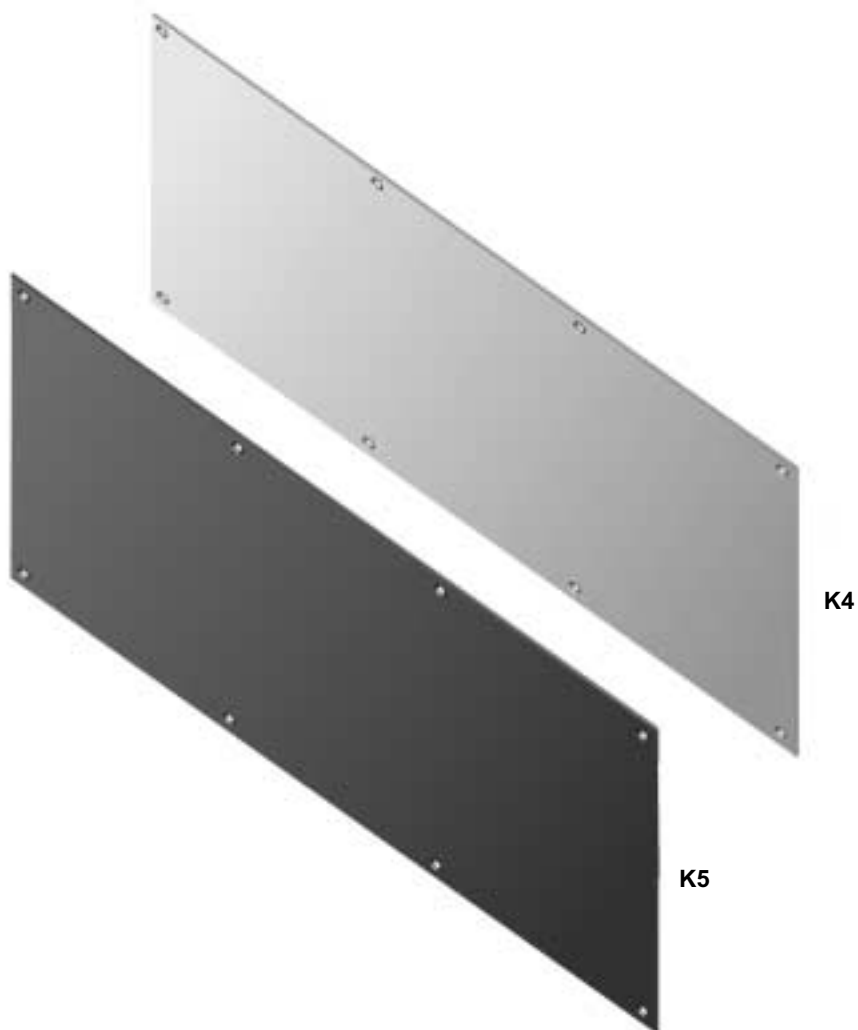
### Part No. K4 / K5

#### Kick plates

**K4 Material:** 316 stainless steel x 16g - door width (less stops) x 400mm (to BS 8300)  
- secure by Torx head screws.

**Finish:** In accordance with Tubelines / Metronet specification

**K5 Material:** Real bronze metal antique on gun metal x 16g - door width (less stops) x  
400mm (to BS 8300) - secure by Torx head screws



## Miscellaneous

Part No. K1 / K2 / K3 / L15

### Door stops, coat hook, padlock

- |            |  |
|------------|--|
| <b>K1</b>  | Wall door stop - 316 stainless steel   |
| <b>K2</b>  | Floor door stop - 316 stainless steel  |
| <b>K3</b>  | Door mounted hat and coat hook - 316 stainless steel                                 |
| <b>L15</b> | Rotary stainless steel padlock with retained shackle - interchangeable euro cylinder |

K1



K2



K3

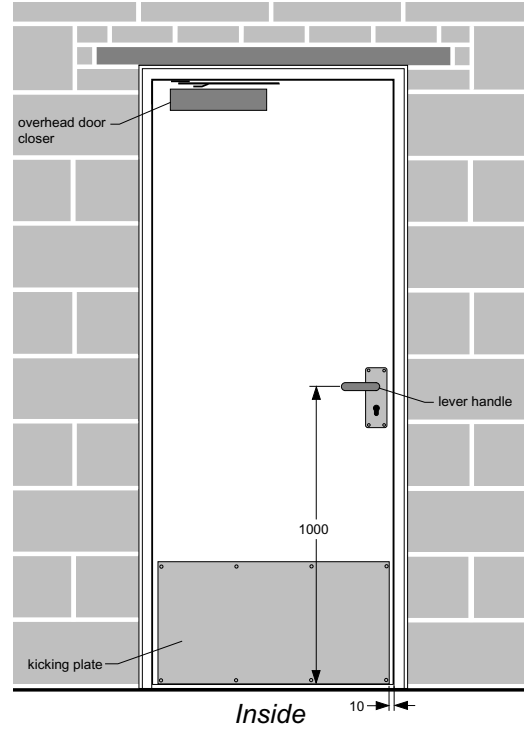
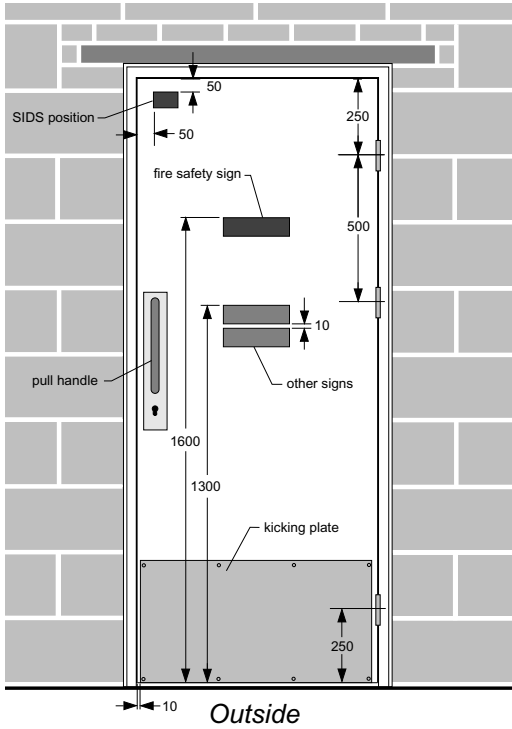


L15



# Typical Door Set Arrangements

## SINGLE LEAF FD60 EQUIPMENT ROOM DOOR WITHOUT GLAZING APERTURE



**Furniture:**

L14 R Mortise sash lock Autofire panic lock

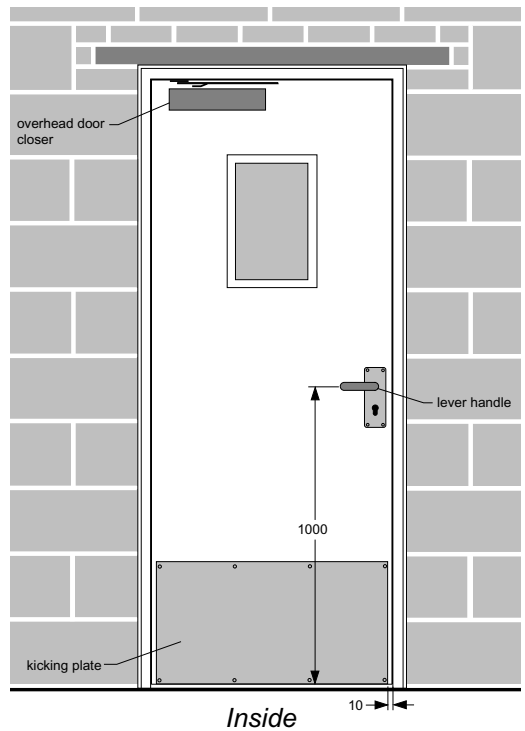
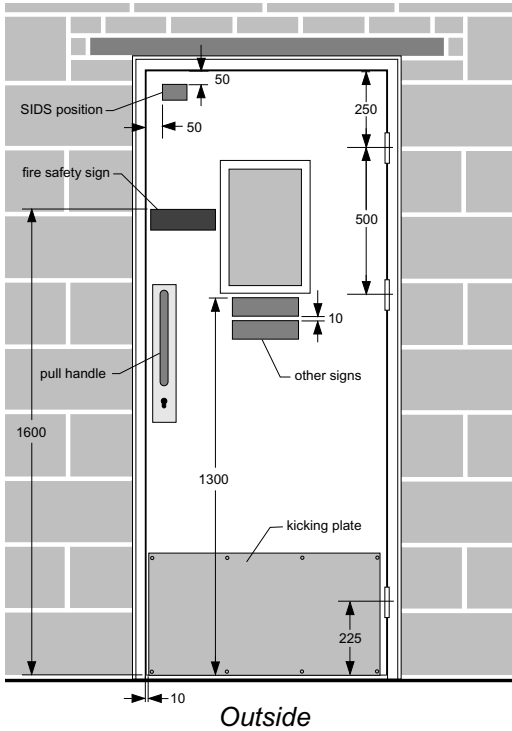
F13 /1/2/3 Lever / pull on pierced backplate or F44 /1/2/3

on escutcheons and roses pull / lever handles

C7 Overhead closer

K4 or K5 Kickplates

## SINGLE LEAF FD60 EQUIPMENT ROOM DOOR WITH GLAZING APERTURE



**Furniture:**

L14 R Mortise sash lock Autofire panic lock

F13 /1/2/3 Lever / pull on pierced backplate or F44 /1/2/3

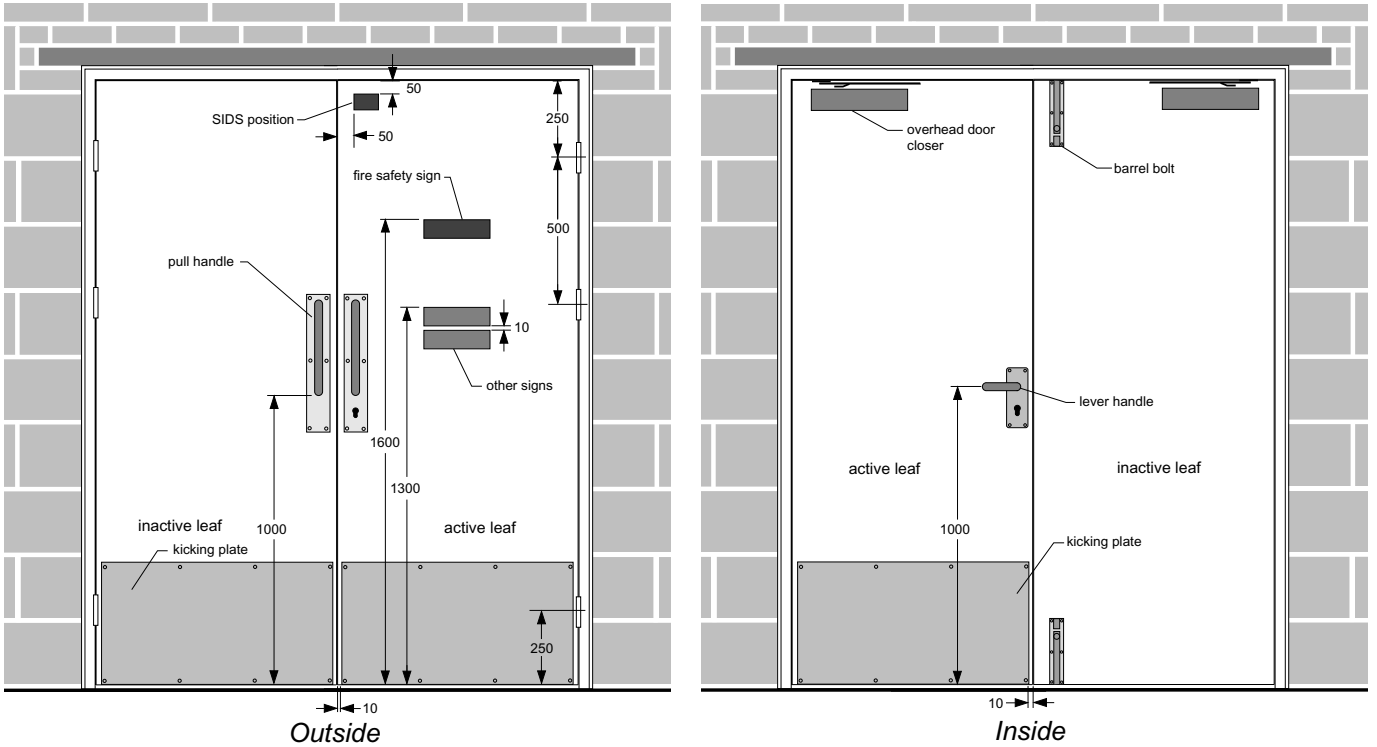
on escutcheons and roses pull / lever handles

C7 Overhead closer

K4 or K5 Kickplates

# Typical Door Set Arrangements

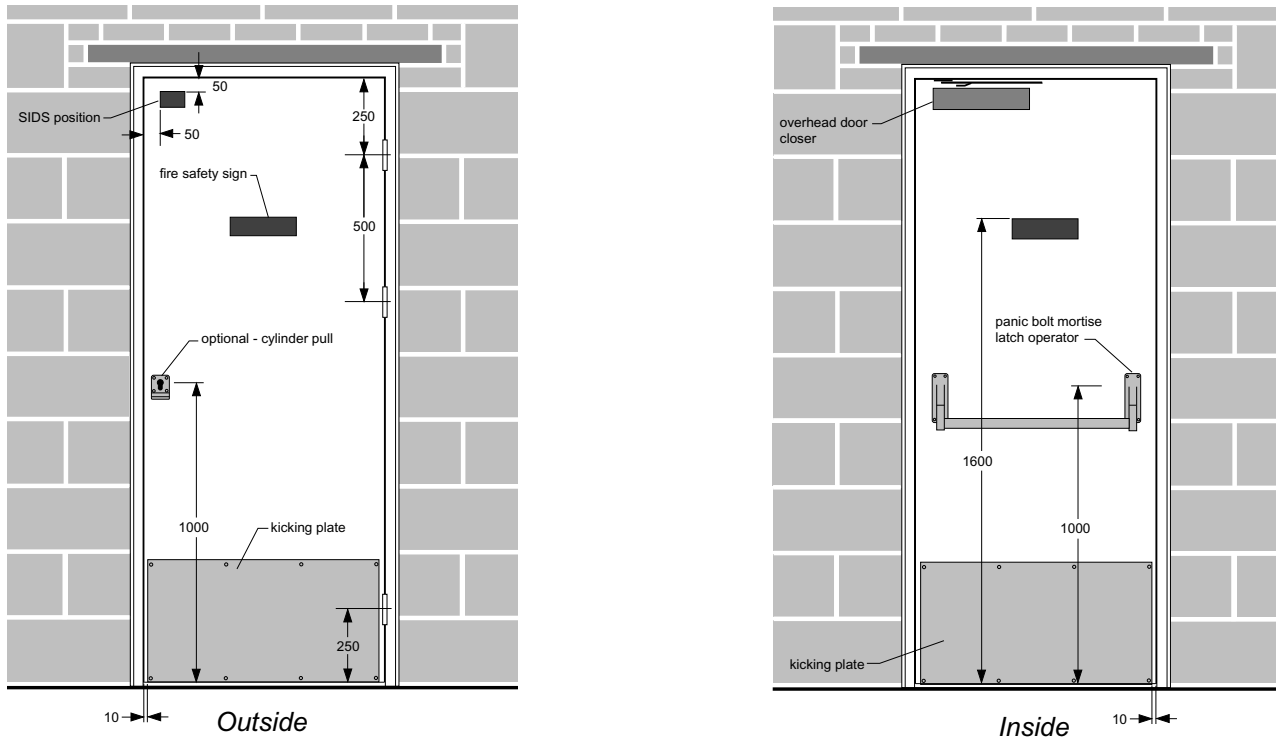
## DOUBLE LEAF FD60 EQUIPMENT ROOM DOOR WITHOUT GLAZING APERTURE



Furniture:  
 L14 Mortise Sash Lock Autofire Panic Action Deadbolt and Latch  
 F13 /1/2/3 (D) on Pierced Backplates or F44 /1/2/3 (D)  
 on Escutcheons and Roses Pull / Lever

3 Pair A1/SS/BMA Hinges (for doors in excess of 910 x 2100  
 use 4 pairs)  
 1 Pair G3/G4/G2C barrel bolt sets  
 K4 or K5 kickplates

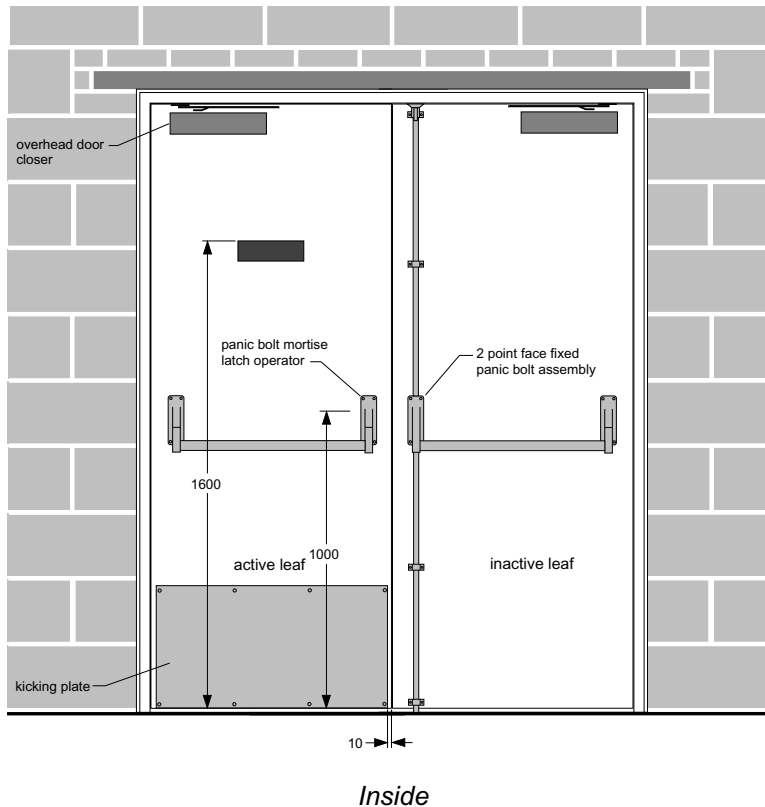
## SINGLE LEAF FD60 FINAL EXIT DOOR



Furniture:  
 F06 Panic Actuator SSS with SSS Cylinder Pull  
 1 1/2 pairs A1 SSS or A4 SSS hinges (for doors in excess  
 of 910 x 2100 use 2 pairs)  
 C7 Door closer  
 K4 or K5 Kickplate

# Typical Door Set Arrangements

## DOUBLE LEAF FD60 FINAL EXIT DOOR



**Furniture:**

F06 Panic Actuator SSS with SSS Cylinder Pull

1<sup>1</sup>/<sub>2</sub> pairs A1 SSS or A4 SSS hinges (for doors in excess of 910 x 2100 use 4 pairs)

C7 Door closer

K4 or K5 Kickplate



' **Tubelines**

Designed and produced by Terry Grose, Braintree, Essex