Commercial Hardware Guide

ASSA ABLOY

Experience a safer
and more open world

Contents

Scheduling Service

ASSA ABLOY has a skilled team of dedicated specifiers to help with all your door hardware specification needs. With such a variety of architectural hardware and locking solutions available, specifying the most appropriate product can be a challenge. Our architectural consultants will work with you to identify your needs and offer solutions on:

- Architectural Hardware
- Electric Locking
- Security
- Access Control
- Folding & Sliding
- Automatic Sliding Doors (Besam)

Openings Studio™

ASSA ABLOY Openings Studio™ Professional Version (PRO) is our full-featured, password protected suite of BIM software tools for creating and visualizing 3D doors, frames, and hardware objects and modifying their associated parameters for use in design, construction, and facility management.

- Web-based configuration engine instantly produces hundreds of "complete openings", including curtain panel and custom frame/light applications, with schedulable associated parameters for downloading to libraries and projects.
- Doors, hardware, floor plans, and 3D building view of openings can all be displayed in the exclusive PRO visualizer panel.
- Built-in links and workflow tools for RFI's, change management, catalog and technical data sheets, installation and maintenance instructions, and sustainability and performance documents.

Get acquainted with Openi

Seamlessly transfer project data from BIM design software for complete door hardware specifications and schedules.

Access manufacturer catalogues, technical data sheets, wiring diagrams, templates and more.

Create complete openings with doors, frames, hardware, and specifications and render the openings in 3D.

Track changes to door openings through the change log management system.

Produce formatted specifications matching 3D models for project contract documents.
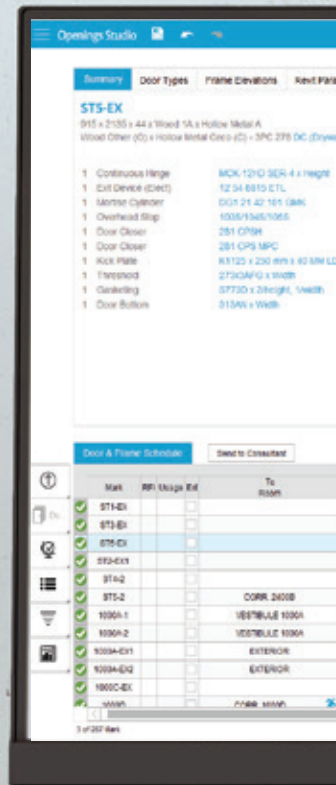
Get to Know Openings Studio

Openings Studio is a software tool designed for all stakeholders in the building process and for the entire lifecycle of the building. It integrates directly with design software, such as Autodesk Revit®, to seamlessly transfer project data for complete door hardware schedules and specifications.
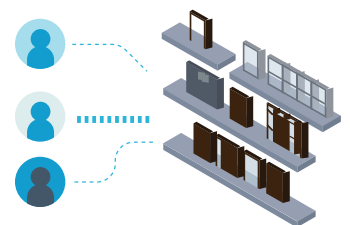
Easy Collaboration

Gain universal access to design standards for all stakeholders

ngs Studio
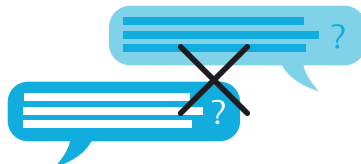
ASSA ABLOY
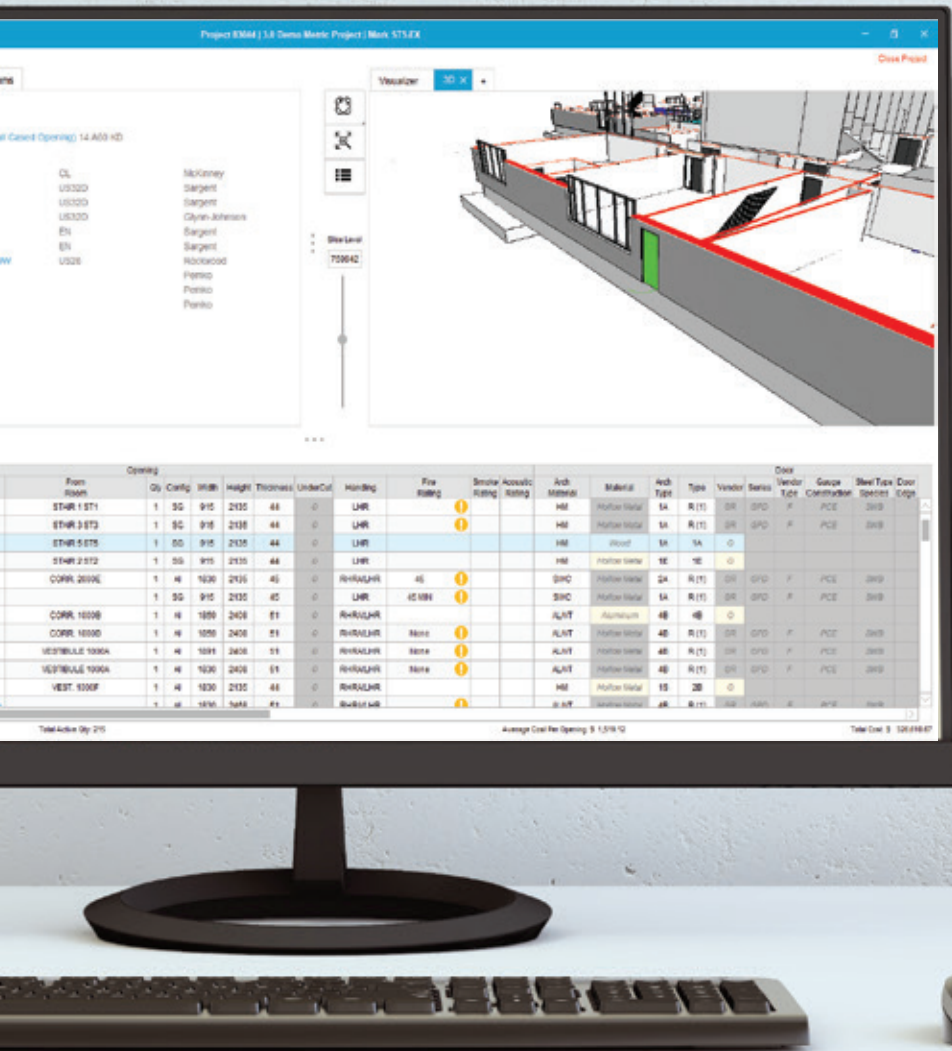
Save Time

More efficiently manage building projects

Eliminate Confusion

No more costly mistakes when communicating with spec writers

Visit **OpeningsStudio.com** to download a free copy. Need a demo? Our consultants are ready to help! Contact your Assa Abloy representative for more information.

Digital Keyless Locks

What is SMARTair™ ?

SMARTair™ is a cable free access control system that is simple to install, configure, administer and maintain, offering an intelligent yet simple step up from keys. It's a cost effective alternative to traditional access control. No bells, whistles, or wires, just sleek, reliable security.

SMARTair™ gives you the security of knowing that lost credentials can quickly be prevented from gaining access, the flexibility to restrict user movements across your school, as well as the ability to show historical movement through audit trails.

No cables means no installation hassles, and a reduced cost.

Update on Card
- System operators use software to apply permissions to the users
- Cards carry their own data to the doors – no need for cabling infrastructure
- Perfect for difficult or impossible to wire sites
- Automatic revalidation of cards means no more lost card issues

Wireless Online
- System operators use software to apply permissions to the users
- Wireless hubs carry the data to the doors in real time
- Perfect for difficult, or impossible to wire sites
- Lock-down all the doors in the building with a single click

Stand-Alone
- No software requirement makes this the simplest access control system
- All programming is done at the door unit with a single programming card
- Perfect for smaller sites or where cost is a consideration
- Once installed, the system can be up and running in seconds

Openow App (Mobile Access)
- System operators use software to apply permissions to the users
- Users receive virtual keys stored in SMARTair Openow Smartphone App with email registration
- Over the air access plan update, door history collection and email alerts using the user's app
- Multiple site key access inside a single app, pin protection available.

ASSA ABLOY's new cabinet lock range is now the industry benchmark. The ML5000 Series has been developed for the most demanding government, commercial and institutional organisations.

There are two variations to choose from, Digital PIN Keypad or RFID, offering a range of features in both that meet the requirements of lockers in a range of applications such as:
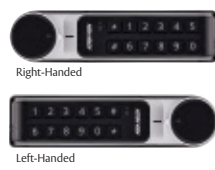
• Schools   • Offices   • Leisure centres   • Sports clubs   • Health clubs

Both Digital PIN Keypad and RFID variants are available in models that can be easily mounted; vertically or horizontally to suit your locker design. It offers safety security and convenience for your lockers and their contents.

Keypad

RF Sensing Area

Battery LED

Micro USB with Cap

Status LED

Knob

ML52-READER	ML51-KP-VERT	ML51-KP-LH (RH)
		 Right-Handed Left-Handed
• Accepts up to 20 Administration Cards, 20 Master Cards, 20 User Cards per lock	• 12 digit Master PIN code. 4-12 digit user PIN code	• 12 digit Master PIN code. 4-12 digit user PIN code
• Temporary wrong code lockout	• Temporary wrong code lockout	• Temporary wrong code lockout
• Suits doors to 23mm thick	• Suits doors to 23mm thick	• Suits doors to 23mm thick
• 3mm stainless steel cams	• 3mm stainless steel cams	• 3mm stainless steel cams
• 96 hours salt spray tested	• 96 hours salt spray tested	• 96 hours salt spray tested

CORTEX™ is a commercial grade Digital Lockset that offers a standalone electronic access solution that can also be easily integrated to existing systems. Innovative locking coupled with the durability and quality that is synonymous with the Lockwood brand.

Features & Specifications:

- Easy Mode or Advance Mode function
- Up to 40,000 operations battery life (Card)
- Add/delete individual users with Master Code
- 40 Card users and 20 Pin Code users
- Cryptic Code Function
- Lockset includes 2 Access Cards (can add up to 40)
- Dual Security Credential requires that two users are present to unlock the door. One user will have Pin Code and the other user will have the Card
- Delayed Unlocked State allows the user extra time to open the door - ideal for elderly or disabled
- One Time Pin is designed to be used once and then automatically expires
- Battery check function allows users to check the battery level to understand when a battery replacement is required
- Passage Mode allows the users to toggle between standard and passage mode as required

CTX530	CTX3772	CTX5782

Standards and Compliance	
🔥	Successfully tested up to 2 hours on fire door assemblies in accordance with Australian Standard AS1905.1 2005 - Part 1: Fire Resistant Doorsets.
SL8	(Security) Australian Lock Standard (AS4145.2:1993).
DL8	(Durability) Australian Lock Standard (AS4145.2:1993).
◬	Australian Electrical Regulatory Compliance
CE	Euroupion Electric Compliance

Product Details

	CTX530	CTX3772	CTX5782
Finish	SC	SC	SC
Backset	60mm	60mm	30mm
Lever	77A	77A	77A
Door Thickness	35-48mm	35-48mm	35-48mm
Body Material	Zinc Alloy	Zinc Alloy	Zinc Alloy
Overide Cylinder	No	Yes	Yes
Retro Fit	DX530	DX3572	DX5582

Aperio technology is developed to complement new and existing electronic access control systems; providing end users with a simple, intelligent way to upgrade the controllability and the security level of their premises.
The heart of Aperio is a short distance wireless communication protocol; designed to link an online electronic access control.

Key Features
- Easy installation
- Connects over standard interface
- No separate management software
- No change of cards
- Eliminates key management issues
- Authorisation changes in real time
- Encrypted communication
- Audit trails and time zones through existing system

Control Panel

Wired access control door   **Aperio enabled door**
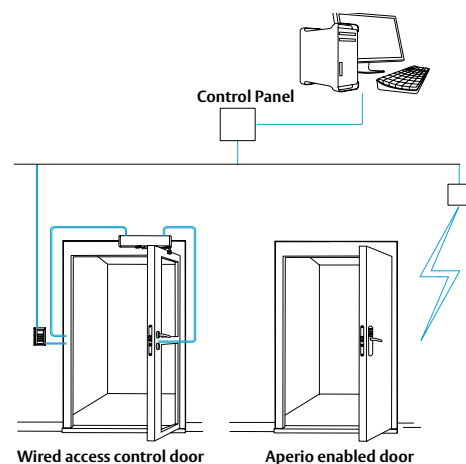
C100 Cylinder

Converts any mechanical cylinder to an access control door.

K100 Cabinet Lock

Audit trail to medicine cabinets, cupboards, display cases, etc.

KS100 Data Cabinet Lock

Control access to data cabinets and servers. Data centre rack access solution.
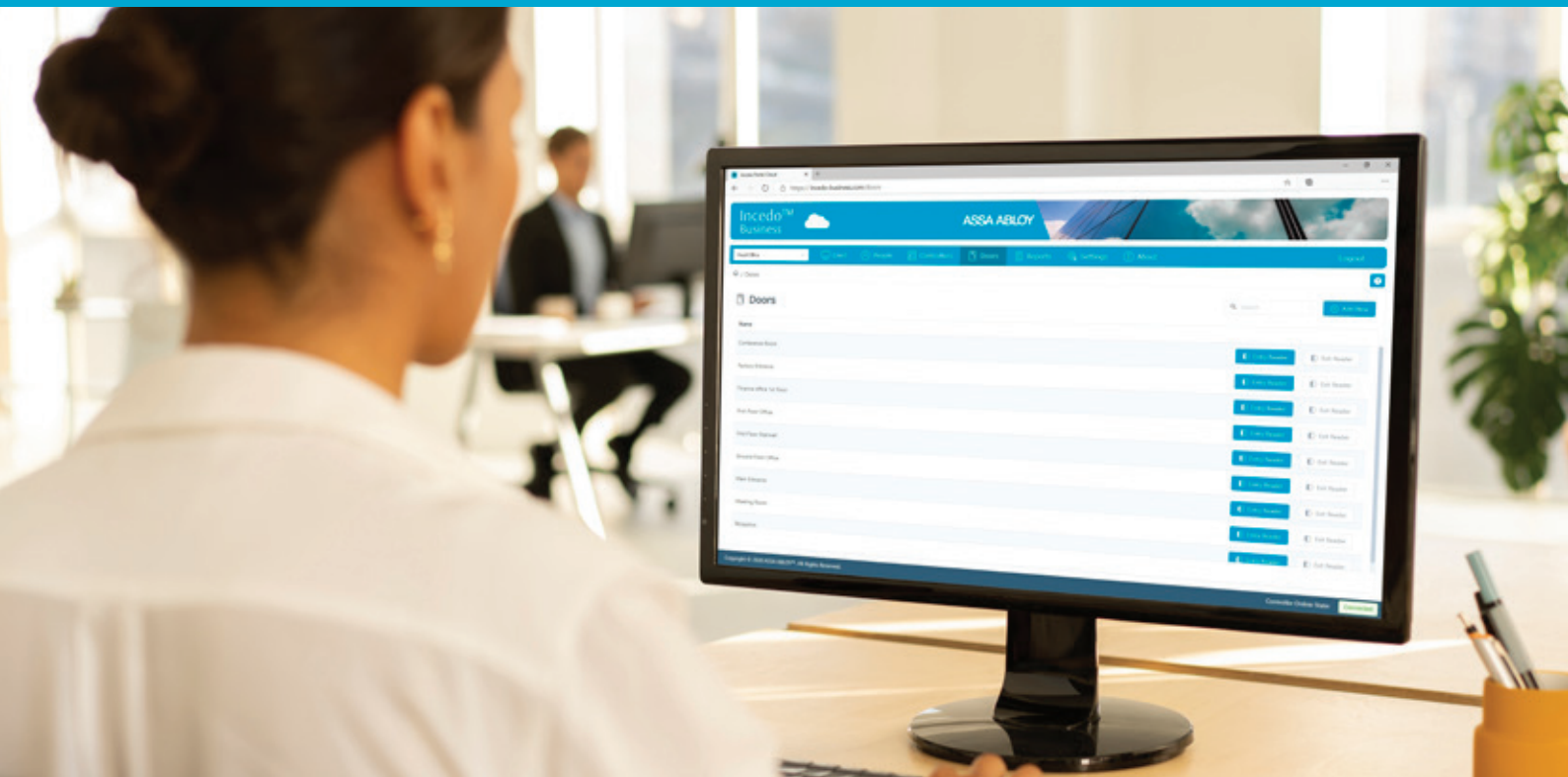
AU100 Escutcheon

All in one door furniture and reader and keypad with key override and full door monitoring.

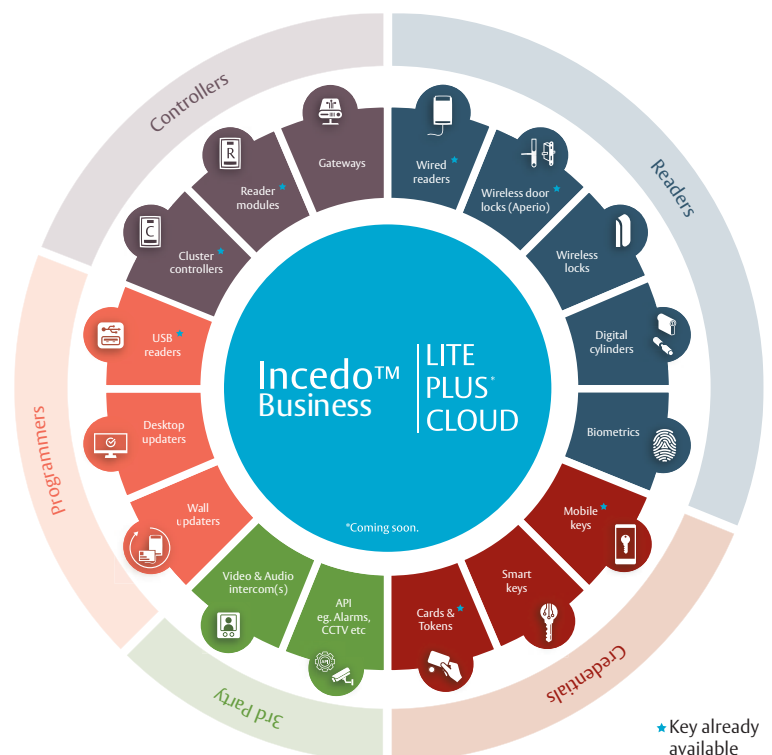To view our full range of Aperio wireless access control products scan:

The world moves, your building security should move with it.

Incedo is an ecosystem combining ASSA ABLOY's world-leading range of access hardware and security solutions with flexible software and multiple management options. Incedo user interfaces are friendly, flexible, and easily updated to meet the changing needs of your business.

Incedo delivers the integration and connectivity your business demands, providing secure access points and advanced identification technology. It makes life easier and work more efficient for everyone, from installers to end users.

Incedo Business works for any building, leaving you free to focus on growing your business. It makes sure your employees, customers and goods are where they need to be Incedo Business.

Incedo™ Business | LITE PLUS* CLOUD

*Coming soon.

Controllers: Gateways, Reader modules*, Cluster controllers*

Readers: Wired readers*, Wireless door locks (Aperio)*, Wireless locks, Digital cylinders, Biometrics

Credentials: Mobile keys*, Smart keys, Cards & Tokens*

3rd Party: API eg. Alarms, CCTV etc, Video & Audio intercom(s)

Programmers: Wall updaters, Desktop updaters, USB readers*

★ Key already available

The Integral Wireless Access Control locking system offers flexible and scalable management of your security needs, ensuring peace of mind for all users.

Key Features

- Uses RFID cards/fobs for access
- Simple to retrofit and install
- Easily expand the system as required – up to 9999 doors & unlimited users
- Available in two simple to use management options:
- "Accommodation" allows you to manage the users and doors, similar to a typical Hotel system where the doors are predefined, and users are given access according to the length of their stay.
- "Commercial" management software operates much the same but allows scheduling and calendar-events suited to a typical commercial building application.
- Simple solution requiring no IP networking knowledge.

Wall Reader	Encoder	Portable Programmer
• Programs all card types except for the Special IC card, which is used to activate the software management system • Plug-in-and-Play USB Card Encoder • Easily assign new users and cards, plus modify them or invalidate lost or stolen cards • Reads the audit trail of locks when cards are presented • Windows® based	• For doors where Integral escutcheons are not fitted • RFID Door Access Controller Wall Reader can be used on an entry door as part of the complete wireless access control system. It can also be used on any other common area doors in the building • The RFID Door Access Controller Wall Reader can be used with a number of different electronic lock types. Compatible with electronic magnets, drop bolts, motorised locks and electric strikes	• For configuring and collecting data from each lock • Synchronise lock data with the Integral software • Connects to PC using USB cable • Extract entry data (audit trail) from the locks (total of 2000 events in memory) • Extract multiple locks without uploading all records to the Integral software • Easly set the time of the locks • Checks card recorded information • Check lock configuration

Mechanical Digital Door Lock

LOCKWOOD
ASSA ABLOY

3772 DX Digital Lock	3782 DX Digital Lock	530 DX Digital Lock

Features:
- Suits door thickness of 35 to 50mm
- Utilises Lockwood Selector 3772 Series Cylinder Mortice Deadlatch
- 60mm standard backset
- Pin tumbler mechanism with round brass cylinder
- Operated by keypad outside
- Operated by lever inside

Features:
- 30mm standard backset
- Suits open-out type door
- Timber door thickness 32 to 50mm
- Metal door thickness 35 to 50mm
- Operated by keypad outside
- Operated by lever inside (sold separately)
- Short face aluminium strike plate included

Features:
- Suits door thickness of 35 to 45mm
- 60mm standard backset tubular latch
- 70 and 127mm latches available separately on application
- Operated by keypad outside
- Operated by knob inside

PRODUCT SPECIFICATION

	3772	3782	530
Backset	60mm		127mm
Bolt / Latch Projection	19.5mm	18mm	15mm
Bolt Material	Stainless Steel	Stainless Steel	Stainless Steel
Door Thickness Range	32-50mm	32 to 50mm for timber doors 35 to 50mm for metal doors	35-50mm
Part number	L3772DXKOLSC L3772DXKORSC L3772DXLSC L3772DXRSC	L3782DXLSC, L5782DXLSC, L5782DXRSC, L5792DXRSC, L6782DXRSC, L6792DXRSC	L530DXSC

Levers, Knobs and Handles

Proudly designed and assembled in Australia with Lockwood's trusted quality at its core, the new range of brass lever styles have been designed to integrate with the character of a building; providing aesthetic continuity throughout. Merging purity of form with function, the Brass Core range presents a collection of elegant lever designs that enhance the surrounding architecture. Doors and door hardware may be the most intimate points of contact we have with a building. We are affected by the way a door looks and the way the handle feels on the door.

For use on the following door furniture series	
• 1220 Series	• 1800 Series
• 1420 Series	• 2800 Series
• 1360 Series	• 4800 Series
• 1370 Series	• 5800 Series
	• Artefact Series

AS1428.1 Compliant Levers

Lever 102	
Length	134.3mm
Projection	57.5mm
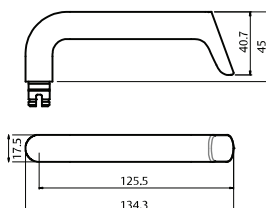
Lever 111	
Length	130mm
Projection	48.5mm
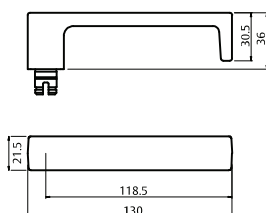
Lever 112	
Length	130.5mm
Projection	48mm
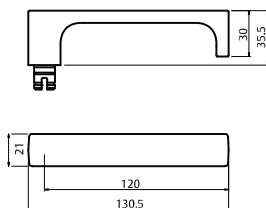
AS1428.1 Compliant Levers

Lever 115	
Length	140.4mm
Projection	60mm
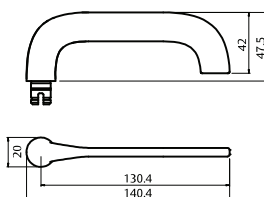
Lever 116	
Length	140.5mm
Projection	47.6mm
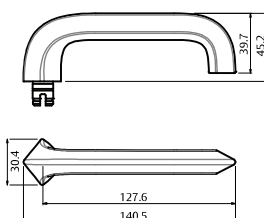
Lever 118	
Length	128mm
Projection	58mm
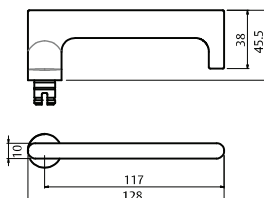
Lever 124	
Length	130.5mm
Projection	59mm
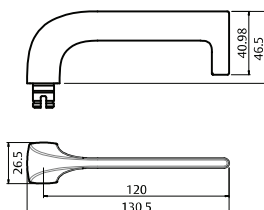
AS1428.1 Compliant Levers

Lever 131	
Length	134.5mm
Projection	53mm

35
40.5
22
123.5
134.5
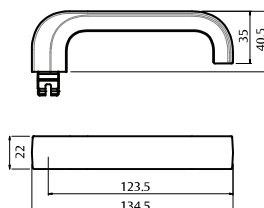
Lever 132	
Length	130mm
Projection	57.5mm

39.5
45
23
10
117.5
130
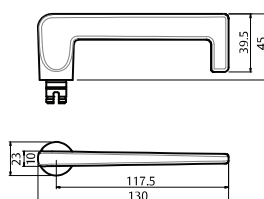
Lever 133	
Length	130mm
Projection	53.5mm

33
41
20
120
130
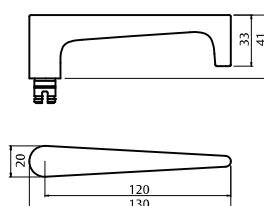
Lever 142	
Length	130.5mm
Projection	55mm

37
42.5
21
120
130.5
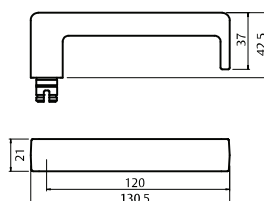
AS1428.1
COMPLIANT

AS1428.1 Compliant Levers

Lever 144	
Length	128.8mm
Projection	57.5mm
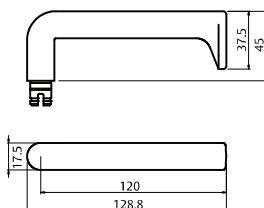
Lever 145	
Length	130mm
Projection	58.5mm
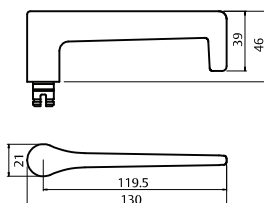
Lever 155	
Length	129.3mm
Projection	57.5mm
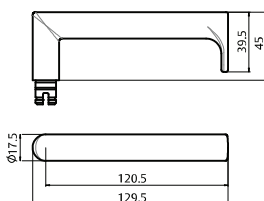
Lever 166	
Length	130mm
Projection	48mm
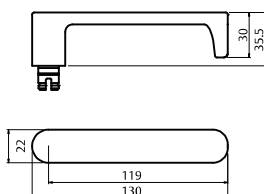
AS1428.1 Compliant Levers

Lever 47*

Length	120mm
Projection	49.6mm

* Lever 47 needs to be handed with 1800 and 2800 plate furniture assemblies.

37
44
22
109
120
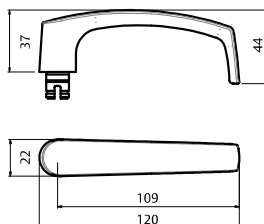
AS1428.1
COMPLIANT

Lever 59

Length	121mm
Projection	57.5mm

32.5
34.5
22
110
121
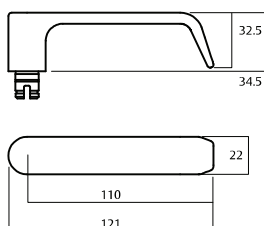
AS1428.1
COMPLIANT

Lever 70

Length	121mm
Projection	53mm

41
15.9
113
121
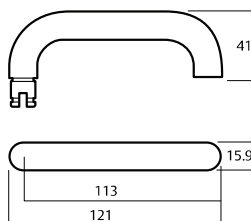
AS1428.1
COMPLIANT

Lever 74

Length	120mm
Projection	53mm

41
109
120
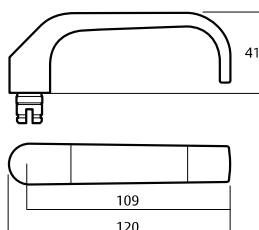
AS1428.1
COMPLIANT

AS1428.1 Compliant Levers

Lever 76	
Length	125mm
Projection	48.5mm

30.5
36
23.5
113
125
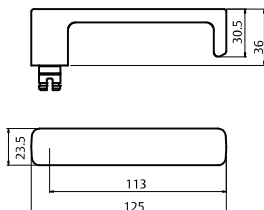
Lever 77	
Length	121mm
Projection	51mm

36
22
116
127
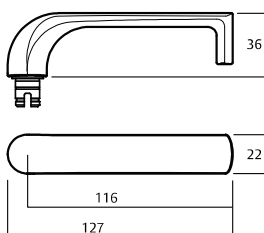
Lever 90	
Length	118.5mm
Projection	52mm

7
39.5
25
106
118.5

AS1428.1
COMPLIANT
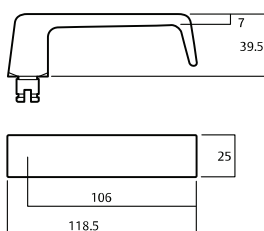
Non compliant lever/knob types

Lever 101	
Length	130mm
Projection	48.5mm

8.5
36
21.5
118.5
130
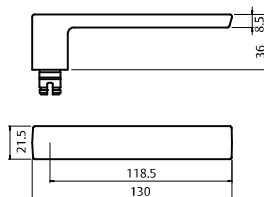
Lever 104	
Length	133.8mm
Projection	57.5mm

45
17.5
125
133.8
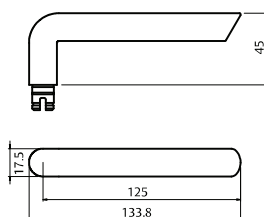
Lever 106	
Length	130mm
Projection	48mm

8
35.5
22
119
130
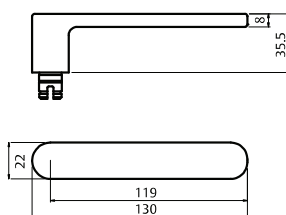
Lever 123	
Length	130.5mm
Projection	59mm

19
46.5
26.5
120
130.5
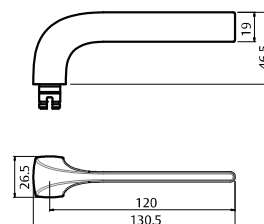
Non compliant lever/knob types

Lever 178	
Length	130mm
Projection	63.6mm

21.5
51
22.5
118.5
130
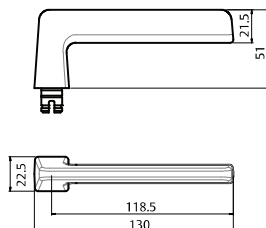
Lever 97	
Length	120mm
Projection	50.5mm

38
17
15.9
112
120
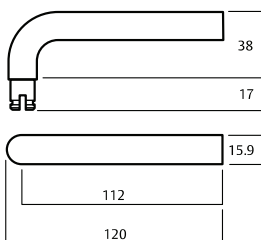
Knob 20	
Diameter	50mm
Projection	73mm

Not compatible with 1220 Symphony internal rose.

50
60.5
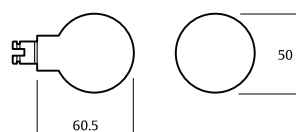
Handed Levers

Lever 41	
Length	130mm
Projection	61.5mm

* Lever is an asymmetrical design and therefore must be handed.
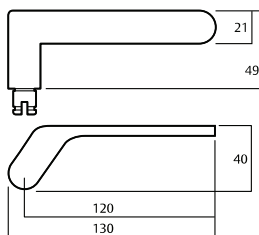
Lever 122	
Length	130.5mm
Projection	59mm

* Lever is an asymmetrical design and therefore must be handed.
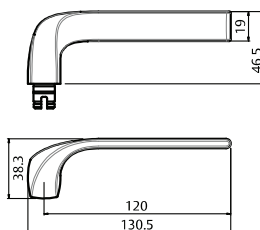
Lever 153	
Length	120mm
Projection	70.6mm

* Lever is asymmetrically designed and therefore must be handed
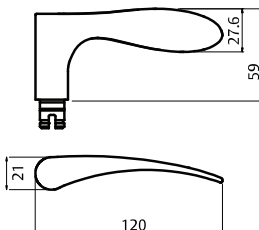
Lockwood Symphony Series door furniture is manufactured from high quality solid brass material. The comprehensive lever range matched with concealed screw fixings by way of threaded rose trims, provides a stylish look for the most elegant interiors. The accessory range includes cylinder escutcheons, emergency turns and disabled accessible turns. For installers, the unique turn mechanism adjusts to suit the thickness of the door and removes the need to cut tail bars to length.

1220 Symphony Series Brass Door Handles

WITH OVERTURE 59

WITH LEVER 70

WITH VING 74

1420 Symphony Series Square Rose Door Handles

WITH LEVER 76

WITH LEVER 80

WITH LEVER 32

PRODUCT SPECIFICATION	
Handing	A removable stop screw allows all symmetrically designed levers (e.g. Cadenza) to be handed on site. Levers of asymmetrical design (e.g. Veloce) cannot be reversed. Specify left or right handed when ordering
Materials	All Lockwood roses and levers contained in the 1220 and 1420 series are of solid brass construction
Fixing	Fully concealed on both sides
Door Thickness	Synergy 3570 Series: 32mm to 50mm Lockwood 5260 Latches: 33mm to 50mm
Standard Finishes	Satin Chrome Brushed (SC)
Non-Standard Finishes	Chrome Plate (CP) Polished Brass (PB) Polyester Powdercoat (PC)
Special Finishes	Architectural Bronze (AZ) Architectural Bronze Unlacquered (AU) Antique Copper (AC) Polished Brass Unlacquered (BU) Satin Brass (SB) Oil Rubbed Bronze (ORB)

Lockwood 1360 and 1370 Series door furniture is manufactured from high quality solid brass material. The comprehensive lever range matched with ease of installation and compatibility with a wide range of mortice locks defines simple and reliable. The accessory range includes cylinder escutcheons, emergency turns and disabled accessible turns. For installers, the unique turn mechanism adjusts to suit the thickness of the door and removes the need to cut tail bars to length.

1360 Series Brass Door Handles

WITH INTERMEZZO 41

WITH SONATA 45

1370 Series Brass Door Handles

WITH CANDENZA 78

WITH CHORUS LINE 97

PRODUCT SPECIFICATION	
Materials	All Lockwood roses and levers contained in the 1360 and 1370 series are of solid brass construction
Fixing	Roses are designed to fit back to back. If outside rose is specified with concealed fixing, then the inside rose must be visible fixed. Roses numbered 1360, 1362, 1364, 1370, 1372 and 1374 are concealed fixed, roses numbered 1361, 1363, 1365, 1371, 1373 and 1375 are visible fixed
Door Thickness	Synergy 3570 Series: 32mm to 50mm Lockwood 5260 Latches: 33mm to 50mm
Standard Finishes	Satin Chrome Brushed (SC)
Non-Standard Finishes	Chrome Plate (CP) Polished Brass (PB) Polyester Powdercoat (PC)
Special Finishes	Architectural Bronze (AZ) Architectural Bronze Unlacquered (AU) Antique Copper (AC) Polished Brass Unlacquered (BU) Satin Brass (SB) Oil Rubbed Bronze (ORB)

For a smart look choose this rectangular plate with bevelled edges and corners.
It features concealed fixing on the outside plate.

Application: Designed for use with Lockwood Selector and Synergy Mortice
Locks and Latches.

1800 Series Square Brass Plate Furniture

2800 Series Round Brass Plate Furniture

PRODUCT SPECIFICATION	
Door Thickness	External plates are supplied with fixing screws to suit door thickness between 32 and 45mm
Dimensions	166 x 48 x 12mm
Fixing	Plates are designed to fit back to back. If outside plate is specified with concealed fixing, then the inside plate must be visible fixed
Handing	Plates are not handed; levers may be reversed by removing the stop screw, except for handed levers and functions as shown in the ordering procedure
Standard Finishes	Satin Chrome Brushed (SC)
Non Standard Finishes	Chrome Plate (CP) Polished Brass (PB) Polyester Powdercoat (PC)*
Special Finishes	Architectural Bronze (AZ) Architectural Bronze Unlaqured (AU) Antique Copper (AC) Oil Rubbed Bronze (ORB) Polished Brass Unlaqured (BU) Satin Brass (SB)
Turn Functions	Turn functions feature a unique mechanism that automatically adjusts the length of the tail bar to suit a particular door thickness

Functional, yet elegant, these rectangular or round ended brass plates complement a wide range of levers.

Application: Designed for use with Lockwood Selector and Synergy Series short and standard backset mortice locks. Additionally there are functions that are designed to work with Lockwood 3580/3780 Series short backset mortice deadbolts.

Note: Certain lever designs are not compatible on short backset assemblies due to interference with the door stop.

4800 Series Square Brass Plate Furniture

5800 Series Round Brass Plate Furniture

PRODUCT SPECIFICATION	
Door Thickness	External plates are supplied with fixing screws to suit door thickness between 32 and 50mm. Extension kits are available for wider doors
Dimensions	185 x 26 x 11.5mm
Fixing	Plates are designed to fit back to back. If outside plate is specified with concealed fixing, then the inside plate must be visible fixed
Handing	Plates are not handed; levers may be reversed by removing the stop screw, except for handed levers and functions as shown in the ordering procedure
Standard Finishes	Satin Chrome Brushed (SC)
Non Standard Finishes	Chrome Plate (CP) Polished Brass (PB) Polyester Powdercoat (PC)*
Special Finishes	Aged Brass (AG) Architectural Bronze (AZ) Architectural Bronze Unlaqured (AU) Antique Copper (AC) Oil Rubbed Bronze (ORB) Polished Brass Unlaqured (BU) Satin Brass (SB) Satin Brass Unlacquered (SBU)
Turn Functions	Turn functions feature a unique mechanism that automatically adjusts the length of the tail bar to suit a particular door thickness

The 200 and 202 Artefact Series Door Furniture is 162mm square. Concealed fixed plates have studs with internal threads located in each corner, visible fixed plates have corresponding countersunk holes and are fixed back to back through the door.

Application: Designed for use with Lockwood Selector 3770 and Synergy 3570 Series Mortice Locks; latches and push/pull doors.

200 Series Square Corner Plate Furniture

202 Series Round Corner Plate Furniture

PRODUCT SPECIFICATION	
Dimensions	162 x 162 x 3mm - aluminium 162 x 162 x 2mm - stainless steel and brass
Door Thickness	35 to 45mm standard. For doors 45 to 55mm thick, specify long fixing screws SP2000-208
Finishes Standard	Natural Anodised Aluminium (NT) Satin Stainless Steel (SS)
Fixing	Plates are designed to fit back to back. If outside plate is specified with concealed fixing, then the inside plate must be visible fixed
Finishes Non Standard	316 Marine Grade (MG) Polished Brass (PB) Polished Stainless Steel (PS) Powdercoat (PC)*
Handling	All plates are handed with the exception of plain plates and pull handles
Materials	Aluminium, brass and stainless steel

Note: When using flush pulls back to back the minimum door thickness is 40mm.

The 212 and 224 Artefact Series Door Furniture is 162mm long x 50mm. Concealed fixed plates have studs with internal threads located top and bottom, visible fixed plates have corresponding countersunk holes and are fixed back to back through the door.

Application: Designed for use with Selector 3770 and Synergy 3570 Series Mortice Locks.

212 Series Oval Plate Furniture

224 Series Rectangular Plate Furniture

PRODUCT SPECIFICATION		
	212	**224**
Dimensions	162 x 50 x 3mm - aluminium 162 x 50 x 2mm - stainless steel and brass	162 x 50 x 2mm - stainless steel
Materials	Aluminium, stainless steel or brass	Stainless steel only
Door Thickness	35 to 45mm standard. For doors 45 to 55mm thick, specify long fixing screws SP2000-208.	35mm to 45mm as supplied. Maximum 65mm.
Finishes Standard	Natural Anodised Aluminium (NT) Stainless Steel (SS)	Stainless Steel (SS)
Finishes Non Standard	316 Marine Grade (MG) Polished Brass (PB) Polished Stainless Steel (PS) Powdercoat (PC)	

Note: When using flush pulls back to back the minimum door thickness is 40mm.

A heavy duty plate designed for use in hospitals and detention facilities. Styled for institutional use, this plate has six fixing points to ensure that it is well secured to the door. Plates are designed to be free of ligature points.

Application: Designed for use with Lockwood Selector 3770 and Synergy 3570 Series Mortice Locks as well as Lockwood 3579 Secure Area Rated Locks.

This smaller plate range has been designed for use in detention facilities such as hospitals where domestic aesthetics are preferred over institutional type styling. Plates are designed to be free of ligature points.

Application: Designed for use with Lockwood Selector 3770 and Synergy 3570 Series Mortice Locks as well as Lockwood 3579 Secure Area Rated Locks.

Detention Series Square Plate Furniture

Detention Series Rectangular Plate Furniture

PRODUCT SPECIFICATION		
	Square	Rectangular
Dimensions	162mm x 180mm x 2mm: base plate 161mm x 75mm x 3mm: bevelled top plate	162mm x 76mm x 2mm: base plate 161mm x 75mm x 3mm: bevelled top plate
Door Thickness*	35mm minimum, 45mm maximum	35mm minimum, 45mm maximum
Finishes	Satin Stainless Steel (SS)	Satin Stainless Steel (SS)
Fixing	Six fixing points 220D series plates have concealed fixings 221D series plates have visible fixings	Four fixing points 222D series plates have concealed fixings 223D series plates have visible fixings
Handling	All plates are handed except 220D07, 220D24 and 220D31, which are non-handed when ordered without engraving	Only plates with 23 Lever and / or turnknobs are handed
Materials	Stainless steel	Stainless steel

Note: A minimum door thickness of 50mm is required to fit flush pulls back to back.

Lever and Knob Selection

STANDARD KNOB 21

WEBBED KNOB 22

LEVER 23

The **530 series** is designed as a non-handed, easy-to-install lockset. This high quality range is suitable for residential and semi-commercial applications including office partitioning.

The Lockwood Key in Lever Locksets feature a choice of two levers - the **930 series and the 950 series.** These locksets are produced from high purity zinc alloy and are available in a comprehensive range of functions.

530 Series Key in Knob Locksets

530

930 & 950 Series Key in Lever Locksets

930

950

PRODUCT SPECIFICATION		
	530	**930 & 950**
Backset	60mm standard backset. 70mm and 127mm latches available separately	70mm standard backset. 60mm and 127mm latches available separately
Door Thickness	32 to 48mm (all functions except 534 which suits doors 32 to 45mm).	32 to 45mm (all functions except 934 and 954 which suit doors 35 to 41mm).
Finishes	Satin Chrome Brushed (SC)	Satin Chrome Brushed (SC)
Handling	Non-handed lockset	Field adjustable handing
Latch	13mm projection brass bolt	13mm projection
Materials	High purity zinc alloy	High purity zinc alloy. A rose cover is supplied to conceal internal fixing screws

Lockwood Entrance Handles are constructed using the finest materials to incorporate the maximum standards in style, durability, finish and design.

Combining fit for purpose with the epitome of style, the Lockwood Entrance Handles range represents a comprehensive collection of high quality back to back handles.

Nine designs, ranging from classic to contemporary, have been selected to complement the evolving style requirements of both residential and commercial markets.

Application: Lockwood Entrance Handles are suitable for use on timber or aluminium frame as well as glass doors; making them the ideal choice for commercial, industrial and residential applications.

| 141 | 142 | 143 | 145 | 146 |

| 147 | 148 | 151 | 192 | 231 |

PRODUCT SPECIFICATION	
Materials	Stainless Steel Construction: Constructed of 304 grade stainless steel, Lockwood Entrance Handles are suitable for use in external environments
Finishes	Satin Stainless Steel (SSS)

Application: Concealed fixed plates have studs with internal threads located in each corner, visible plates have corresponding countersunk holes and are fixed back to back through the door.

Designed for use with Lockwood 3570 Synergy Series and 3770 Selector Series Mortice Locks.

214/215 Series	216/217 Series	218/219 Series

PRODUCT SPECIFICATION			
	214/215	**216/217**	**218/219**
Dimensions	Length: 300mm Width: 100mm Thickness: 2mm Handle Diameter: 17.5mm Finger Clearance: 40mm	Length: 300mm Width: 65mm Thickness: 2mm Handle Diameter: 17.5mm Finger Clearance: 40mm	Length: 250mm Width: 50mm Thickness: 2mm Handle Diameter: 17.5mm Finger Clearance: 40mm
Materials	Stainless steel or brass	Stainless steel or brass	Stainless steel or brass
Door Thickness	35 to 45mm standard. For doors 45 to 55mm thick, specify long fixing screws SP2000-208		
Finishes	Satin Stainless Steel (SS) Polished Stainless Steel (PS) Powdercoat (PC) Polished Brass (PB)	Satin Stainless Steel (SS) Polished Stainless Steel (PS) Powdercoat (PC) Polished Brass (PB)	Satin Stainless Steel (SS) Polished Stainless Steel (PS) Powdercoat (PC) Polished Brass (PB)

Mortice locks

Selector® 3772 Escape Locks

These locks have various latching functions which can be operated by key or handle outside and by turnknob, key or handle inside.

Selector® 3782 Short Backset Escape Locks

These locks have various latching functions operated generally by key or handle outside and by turnknob, key or handle inside. These locks comply with building regulations for single-action escape doors.

PRODUCT SPECIFICATION		
	3772	3782
Backset	Available in 60, 89 and 127mm backsets	Available in 25.4, 30 and 38mm backsets
Furniture	Compatible with most Lockwood rose and plate furniture including Brass Door Furniture, Robert Watson Series, Artefact Series II, Ovation Series and VSR Series	Compatible with Lockwood 4800 and 5800 Series Furniture
Latch	Deadlatch only	Deadlatch only
Standard Finishes	Stainless Steel (SS) - Other finishes available via finish kit conversions	Stainless Steel (SS) - Other finishes available via finish kit conversions

3570 Series Electric Mortice Lock

The lock can be operated by push buttons, intercom systems and key switches or integrated with electronic access control systems for use with higher security devices such as keypads or card readers.

3782 Series Electric Mortice Lock

The lock can be operated by push buttons, intercom systems and key switches or integrated with electronic access control systems for use with higher security devices such as keypads or card readers.

The 3782 Series is available in a wide variety of configurations to suit varying requirements and is especially suited to narrow style or short backset applications.

PRODUCT SPECIFICATION		
	3570	**3782**
Voltage	12Vdc - 24Vdc operating voltage	Available in 12Vdc - 24Vdc
Current	500mA (max) 80mA holding @ 12Vdc 275mA (max) 50mA holding @ 24Vdc	12Vdc ± 5% 250mA (max) 24Vdc ± 5% 125mA (max)
LED Current	When LEDs are fitted, add 15mA (max) to total current draw	When LEDs are fitted, add 15mA (max) to total current draw
Monitoring	Dual key override Deadlatched and door closed Request to exit Locked Microswitches: 500mA (max) @ 30Vdc each circuit Reedswitch: 100mA (max) @ 30Vdc	Key override Deadlatched and door closed Request to exit Hub/deadlatch/key override monitor: max ratings 500mA @ 30Vdc Door status monitor: max ratings 3W, 250mA (max) @ 12Vdc, 125mA (max) @24Vdc
Environment	Operational temperature range -20°C to +60°C	Operational temperature range -20°C to +60°C
Case/Cover	High purity zinc alloy construction	High purity zinc alloy construction
Backset	60mm standard, 89 and 127 mm available	23mm standard, 25.4, 30 and 38 mm extended available
Latch Bolts	Reversible with stainless steel construction	15mm stainless steel construction
Door Clearance	3 - 6.5 mm	3 - 6.5 mm
Door Thickness	Standard applications 32 to 50mm	Standard applications 32 to 50mm - Extension kits available
Cylinder	Standard Lockwood oval shaped cylinders	Standard Lockwood oval shaped cylinders
Cabling	1.6 metre length of cable with 12 pin socket supplied with each lock. Recommended cable: 18AWG (0.82mm2) cable runs up to 30m	Supplied with 3.6m cable with 12 pin connector and water deflecting boot Recommended cabling 8AWG (0.82mm²) cable runs up to 30m
Furniture	Compatible with Lockwood series door furniture	Compatible with Lockwood series door furniture
Standard Finishes	Satin Chrome (SC) standard Bright Chrome (CP) Polished Brass (PB)	Satin Chrome (SC) standard Bright Chrome (CP) Polished Brass (PB)

Synergy® 3572 Vestibule Mortice Locks

These locks have various latching functions which can be operated by key or handle outside and by turnknob, key or handle inside. For ease of selection specify primary lock. This lock can then be easily adapted to suit function required. These locks have various latching functions which can be operated by key or by a handle inside.
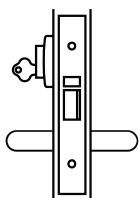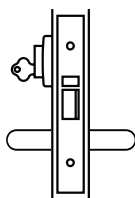

Storeroom Locking Latch
Cylinder Outside. Reversible.
Outside: Opened by key. Handle is always rigid.
Inside: Opened by handle at all times

3572X-R	Right-handed
3572X-L	Left-handed

Single Action Escape Latch
Cylinder Outside. Reversible.
Outside: Opened by key.
Inside: Opened by handle at all times.
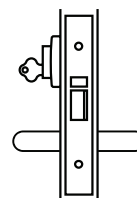
3572X-R	Right-handed
3572X-L	Left-handed

Classroom and Office Locking Latch
Cylinder Outside. Reversible.
Outside: Opened by handle except when handle is made inoperative by key from outside. Key locks or unlocks outside handle.
Inside: Opened by handle at all times.

3572Z-R	Right-handed
3572Z-L	Left-handed

Anti-lockout Privacy Escape Latch
Cylinder and Escape Lever.
Outside: Opened by handle except when handle is made inoperative by turnknob from inside. Handle may be unlocked from outside by coin or screwdriver by operating the slotted emergency button.
Inside: Opened by handle at all times. Turnknob locks or unlocks outside handle.
Anti-lockout: Closing the door or operation of inside handle will 'kick-off' the locking feature, allowing the outside handle to become operative.

3572EAR	Right-handed
3572EAL	Left-handed

Anti-lockout Entry Door Lock
Cylinder and Turnknob. Handed.
Outside: Opened by key at all times. Opened by handle except when handle is made inoperative by key from outside or turnknob from inside.
Inside: Opened by handle at all times. Turnknob locks or unlocks outside handle.
Anti-lockout: Latching the bolt by key, closing the door or operation of inside handle will 'kick-off' the locking feature, allowing the outside handle to become operative.

3572XAR	Right-handed
3572XAL	Left-handed

Classroom and Office Locking/Latching Latch
Cylinder and Turnknob. Handed.
Outside: Opened by key at all times. Opened by handle except when handle is made inoperative by key from outside or turnknob from inside.
Inside: Opened by handle at all times. Turnknob locks or unlocks outside handle.
Anti-lockout: Latching the bolt by key, closing the door or operation of inside handle will 'kick-off' the locking feature, allowing the outside handle to become operative.

3572M-R	Right-handed
3572M-L	Left-handed

Anti-lockout Vestibule Set
Cylinder and Turnknob. Handed
Outside: Opened by handle except when handle is made inoperative by key from outside. Key locks or unlocks outside handle.
Inside: Opened by handle at all times. Turnknob locks or unlocks outside handle.
Anti-lockout: Closing the door or operation of inside handle will 'kick-off' the locking feature., allowing the outside handle to become operative.

3572WAR	Right-handed
3572WAL	Left-handed
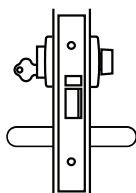
Vestibule Set
Cylinder and Turnknob. Reversible.
Outside: Opened by key at all times. Opened by handle except when handle is made inoperative by turnknob inside.
Inside: Opened by handle at all times. Turn knob locks or unlocks outside handle.

Note: Part numbers shown above are for 60mm backset lock, if 89mm is required substitute 3 for 4 i.e. 45722-R, or if 127mm lock is required, substitute 3 for 5 i.e. 5572Z-R

3572XTR	Right-handed
3572XTL	Left-handed
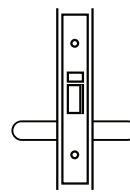
Exit Door Latch
Exit Function Only. Reversible.
Outside: Handle is always rigid.
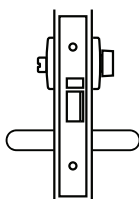**Inside:** Opened by handle at all times.

3572R	Right-handed
3572L	Left-handed

Exterior and Exit Door Lock
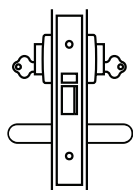
Double Cylinder Escape Lock
Exit Function Only. Reversible.
Outside: Opened by key at all times. Opened by handle except when handle is made inoperative by key from inside.
Inside: Opened by handle at all times. Key locks or unlocks outside handle

3572XZR	Right-handed
3572XZL	Left-handed
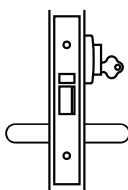
Single Cylinder Escape Lock
Cylinder Inside. Reversible.
Outside: Opened by handle except when handle is made inoperative by key from inside.
Inside: Opened by handle at all times. Key locks or unlocks outside handle

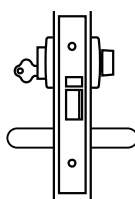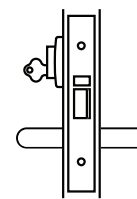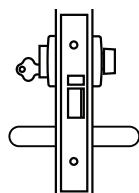| 3572-ZR	Right-handed
3572-ZL	Left-handed
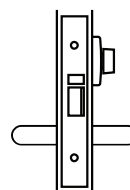
Exit Door Lock
Cylinder and Escape Lever.
Outside: Opened by handle except when handle is made inoperative by turnknob from inside.
Inside: Opened by handle at all times. Turnknob locks or unlocks outside handle.

Note: Part numbers shown above are for 60mm backset lock, if 89mm is required substitute 3 for 4 i.e. 4572Z-R, or if 127mm lock is required, substitute 3 for 5 i.e. 5572Z-R

3572-TR	Right-handed
3572-TL	Left-handed

LOCKWOOD
ASSA ABLOY

Nightlatch	Classroom Lock	Storeroom Lock	Anti-lockout Vestibule Lock	Holdback Anti-vandal Escape Lock

X7   Latching adaptor

V

X7

V   Locking adaptor

V

3770XT | **3772V-** | **3772X-** | **3772VTA** | **3772V-H**

Passage Latch	Glass Door Lock	Dual Entry Lock with Lower Cylinder Lockout	Exterior & Exit Lock	Anti-lockout Escape Privacy Lock

V   V

V

Locking adaptor

Locking adaptor

3774 | **3774VV** | **3777V-** | **3772-T** | **3772-TA**

Vestibule Door Lock:
Lockwood 3772-XT Vestibule lock
Lockwood 1801/70SC
Lockwood 1904/70SC
DC7726DASIL Door Closer (Optional)

Privacy Lock:
Lockwood 3772-T Privacy Lock
Lockwood 1814/70SC
Lockwood 1939/70SC (L or R)
DC7726DASIL Door Closer (Optional)

Passage Lock:
Lockwood 3774 Passage Lock
Lockwood 1805/70SC
Lockwood 1905/70SC
DC7726DASIL Door Closer (optional)

Storeroom Lock:
Lockwood 3772X Storeroom Lock
Lockwood 1801/70SC
Lockwood 1905/70SC
DC7726DASIL Door Closer (Optional)

(ALL FIRE RATED DOORS TO HAVE A DOOR CLOSER)

3540 Short Backset Mortice Deadlock

Short backset, swing bolt deadlocks suitable for narrow stile hinged doors. Positive action deadbolt locked or unlocked by either key, turnknob, escape turn or lever handle. Suitable for sliding doors where lock can be mounted to door jamb and deadbolt engages strike mounted to face of door.

3541 Short Backset Mortice Hook Bolt

Short backset, swing-bolt deadlocks suitable for narrow stile sliding and swing doors. Positive action deadbolt is hooked to engage and lock into a latching or security strike when the bolt is in the thrown position. Deadbolt is locked or unlocked by either key, turnknob, escape turn or lever handle.

PRODUCT SPECIFICATION		
	3540	**3541**
Backset	23mm and 30mm	23mm and 30mm
Bolt	22mm projection sintered stainless steel	28mm projection sintered stainless steel. The bolt is hooked to suit sliding and swing applications and is chamfered for self latching
Door Thickness	Suits hollow stile door sections with 28mm internal thickness and 50mm maximum external thickness Timber Doors: 32 to 50mm	
Materials	High quality zinc alloy case	
Strikes		Latching strike for sliding doors and non latching security strike for swing doors to protect against jemmying

Electromechanical locking relies on the holding force of a low-voltage magnet for door security, making it perfect for commercial buildings experiencing high foot traffic. Additionally, they offer easy installation on glass doors for added convenience.

Z SERIES SINGLE MONITOTED

Z SERIES RECESSED

Z SERIES DOUBLE MONITORED

Z SERIES WEATHER RESISTANT

PRODUCT SPECIFICATION						
	Singles Series		Double Series		Recessed	Weather Resistant
	Z4 Magnet	Z8 Magnet	Z4 Magnet	Z8 Magnet	Z4 Magnet	Z8 Magnet
Holding Force	250-280 Kg	550kg - 580kg	500kg - 560kg	1100kg - 1160kg	250kg - 280kg	550KG - 580KG
Dimensions	(L)238 x (H)48 x (D)27 mm	(L)266 x (H)72 x (D)40 mm	(L)476 x (H)48 x (D)27 mm	(L)532 x (H)72 x (D)40 mm	(L)182 x (H)42 x (D)23 mm	(L)230 x (H)67 x (D)43 mm
Voltage	12Vdc/ 24Vdc ±10%	12Vdc/ 24Vdc ±10%	12Vdc/ 24Vdc ±10%	12Vdc/ 24Vdc ±10%	12Vdc/ 24Vdc ±10%	12Vdc/ 24Vdc ±10%
Current	450mA @ (12Vdc) 225mA @ (24Vdc)	512mA @ (12Vdc) 256mA @ (24Vdc)	900mA @ 12Vdc 450mA @ 24Vdc	1024mA @ 12Vdc 512mA @ (12Vdc)	450mA @ 12Vdc 225mA @ 24Vdc	450mA @ 12Vdc 225mA @ 24Vdc
Monitoring	Hall-Effect/Bond sensing & Reed Switch		Hall Effect / Bond sensing and Reed Switch		Hall Effect / Bond sensing	Hall-Effect
Operating Temperature	-10 to 55 Degrees	-10 to 55 Degrees	-10 to 55 Degrees	-10 to 55 Degrees	-10 to 55 Degrees	-10 to 55 Degrees
Operating Humidity	0 - 95%	0 - 95%	0 - 95%	0 - 95%	0 - 95%	0-95%
Part Number	LT770300-010 (Bond Sense Monitored) LT770300-012 (Bond and Door Position Monitored)	LT770600-010 (Bond Sense Monitored) LT770600-012 (Bond and Door Position Monitored)	LT770300-112 (Bond Sense Monitored)	LT770600-110 (Bond Sense Monitored) LT770600-112 (Bond and Door Position Monitored)	LT770300-210	LT770600-310

The unique and popular Lockwood/Trimec ES8000 V-Lock has been completely redesigned and engineered to produce the new ASSA ABLOY ES8100 V-Lock. Designed and assembled in Australia, with patents pending in various countries, the ES8100 incorporates many improvements over its Lockwood/Trimec predecessor, the ES8000, including a higher preload rating of 100kg, Door Position Monitoring, integrated LED lock status and diagnostics visual indication, increased door misalignment correction from 7mm to 12mm, an IP53 rating for external door applications and simple, one-step, PTO/PTL onsite configuration.

Although completely redesigned internally, the new ES8100 V-Lock body and faceplate retains the original footprint and is a direct retrofit to the original ES8000 model. The ES8100 strike plate utilises the same fixing locations but is 3mm wider to increase misalignment distance.

The ES8100, also known as the V-lock, contains a high torque motorised bolt which moves into a V shaped Strike Plate, pulling the door into alignment, when locked. The ES8100 may be mounted either vertically or horizontally but cannot be mounted in the floor.

The ES8100 V-Lock can be mortice mounted and concealed from view or surface mounted, with the inclusion of an optional mounting kit.
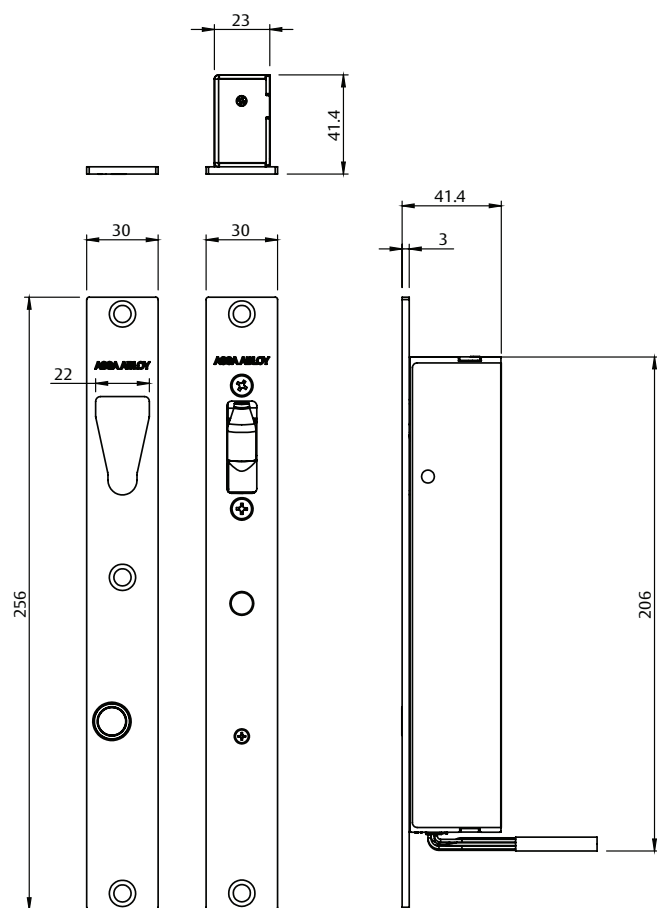
V-LOCK ES8100

PART NUMBER	PRODUCT DESCRIPTION
ES8100	ASSA ABLOY ES8100 V-Lock, 11.4 -26VDC, Fail Safe, Full Monitoring
208000-000	ES8100 V-Lock Glass Door Housing (Includes Dress Plate & Fixing Tape)
208100-003	ES8100 V-Lock Strike Plate with Magnet

Electric Strikes

Electric strikes are a common component within electromechanical door systems. They are characterised by speed, durability and longevity. ASSA ABLOY's line of electric strikes is suitable for a variety of applications.

ES100 SERIES

ES200 SERIES

ES300 SERIES

PRODUCT SPECIFICATION			
	ES100	ES200	ES300
Voltage	12Vdc and 24Vdc	12 or 24Vdc	12 or 24Vdc
Current	250 mA @ 12Vdc - 125mA @ 24Vdc	175 mA @ 12Vdc - 88 mA @ 24Vdc	175mA @ 12Vdc – 88mA @ 24Vdc
Solenoid	Solenoids are rated for continuous use		
Monitoring	None		
Holding Force	680 kg Static Strength Rating	850kg Static Strength Rating	850kg Static Strength Rating
Latching	-	Suitable for 15mm latch bolt with 3mm door gap	Suit 18mm latch bolt with 3mm door gap
Endurance	Cycle tested to 1,000,000 operations	Cycle tested to 1,000,000 operations	Cycle tested to 1,000,000 operations
Environment	Operational temperature range -20°C to + 60°C, Weather resistant construction. (IP56)	Operational temperature range -20°C to +60°C	Operational temperature range -20ºc to +60ºc
Body	Cast Aluminium Construction		
Keeper	Stainless Steel		

ES2000 SERIES

ES2600 SERIES

ES9000 SERIES

PRODUCT SPECIFICATION			
	ES2000	ES2600	ES9000
Voltage	12Vdc	12 or 24Vdc	10 – 30Vdc
Current	175 mA @ 12Vdc	175mA @ 12Vdc – 88mA @ 24Vdc	250mA @12Vdc – 130mA @24Vdc
Solenoid	Solenoids are rated for continuous use		
Monitoring	Solenoid Monitor - 1 amp NO/NC microswitch Door/Latch Monitor - 1 amp NO/NC microswitch		
Holding Force	850kg Static Strength Rating	650kg Static Strength Rating	1300kg static strength rating
Latching	Suitable for 15mm latch bolt with 3mm door gap	-	Suitable for 15mm latch with 3mm door gap
Endurance	Cycle tested to 1,000,000 operations	Cycle tested to 1,000,000 operations	1,200,000 cycles endurance rating @ 25kg pre-load 2,500,000 cycles general durability without pre-load conditions
Environment	Operational temperature range - 20°C to +60°C	Operational temperature range - 20C to +60C	Operational temperature range - 20C to +60C
Body	Cast Aluminium Construction		
Keeper	Stainless Steel		

Closers

2615 CAM Action Door Closer with Slide Arm

The Lockwood 2615 Series is a non-handed CAM Action Door Closer. Due to the CAM design this premium door closer is light to open but still strong enough to close a door.

The Lockwood 2615 Door Closer can be adjusted to meet the requirements of a light door opening resistance and is ideal for both interior and exterior doors. The Lockwood 2615 is light to open, but its adjustable closing force is high enough for heavy duty applications.

For disabled toilet applications where a breakout feature is required, the double action of the mechanism allows the door to be operated in the opposite direction for easy access into the room.

One model (2615) covers right hand and left hand applications, pull side/push side applications and also features an adjustable arm height.

2616 CAM Action Door Closer with Slide Arm

The Lockwood 2616 CAM Action Door Closer is a premium, high quality door closing device. When opening a door fitted with a Lockwood 2616 CAM Action Door Closer, the force required is less than that of a rack and pinion type door closer and continues to decrease through the opening arc.

This aesthetically appealing, narrow profile CAM Action Door Closer is suited for public and commercial applications where children, the elderly and the disabled are likely to be using the door.

The Lockwood 2616 is light to open, but its adjustable closing force is high enough for heavy duty applications.

One model (2616) covers right hand and left hand applications, pull side/push side applications and also features an adjustable arm height.

PRODUCT SPECIFICATION		
	2615	2616
Power	EN adjustable 1 to 5	EN adjustable 1 to 6
Back Check (BC)	Adjustable	
Hold Open	Adjustable. Hold-open can be set at any angle up to 120° of opening	
Handling	Non-handed. Suitable for left or right hand doors	
Cover	Formed metal cover	
Materials	Cast aluminium body manufactured from high-performance silicon alloy	
Mechanism	CAM action	
Mounting	Pull side, push side and over-door mounting	
Valves	Two pressure relief valves are a standard feature to protect against abuse	
Delayed Action	Adjustable	
Closing Speed	Adjustable	
Latching Speed	Adjustable	

Door closers guarantee the door's automatic return to the closed position post-opening, enabling the locking mechanism to activate and secure the door. Additionally, they provide the advantage of customisable closing speed and ease the force needed as the door swings open.

7700 Series Door Closers

7714SRDA SERIES PREMIUM RANGE

7714DA SERIES PREMIUM RANGE

7726SRDA SERIES PREMIUM RANGE

7726DA SERIES PREMIUM RANGE

The Slide Arm Series permits smoother opening by way of reducing power as the door opens. Ideally suited for schools, hospitals or doors where children, disabled or the aged may enter.

Rack and pinion adjustable power door closer suitable for architectural and commercial applications.

PRODUCT SPECIFICATION				
	DC7714SRDA	DC7726SRDA	DC7714DA	DC7726DA
Power	EN adjustable 1 to 3	EN adjustable 1 to 5	EN adjustable 1 to 4	EN adjustable 2 to 6
Back Check (BC)	Adjustable			
Hold Open	Adjustable. Hold-open can be set at any angle up to 130° of opening		Adjustable. Hold-open can be set at any angle up to 150° of opening	
Handling	Non-handed. Suitable for left or right hand doors			
Cover	Fully formed metal			
Materials	Extruded aluminium body manufactured from high-performance silicon alloy			
Mechanism	Rack and pinion design			
Mounting	Regular and over-door mounting			
Valves	Adjustable closing and latching speed valves with overload protection			
Delayed Action	Adjustable			

720 Series Door Closers

726SR SERIES

726 SERIES

724SR SERIES

724 SERIES

The Lockwood Rack & Pinion Slide Arm Series provides for a cleaner, more aesthetic appearance on the door whilst utilising the same robust features and benefits of Rack and Pinion functionality.

A range of adjustable power door closer units suitable for architectural and commercial applications.

PRODUCT SPECIFICATION				
	726SR	724SR	726	724
Power	EN adjustable 2 to 6	EN adjustable 2 to 4	EN adjustable 2 to 6	EN adjustable 2 to 4
Back Check (BC)	Adjustable			
Hold Open	Adjustable. Hold-open can be set at any angle up to 130° of opening		Adjustable. Hold-open can be set at any angle up to 150° of opening	
Handling	Non-handed. Suitable for left or right hand doors			
Cover	Clip-on			
Materials	Extruded aluminium body manufactured from high-performance silicon alloy			
Mechanism	Rack and pinion design			
Mounting	Regular, parallel and over-door mounting			
Valves	Adjustable closing and latching speed valves with overload protection			

Free-Motion® Door Closer

2636FS-SIL

The Free-Motion feature allows for a door to swing freely and with minimal resistance, rendering the door control body ineffective when supplied with power. The benefit being in allowing for hydraulic free operation in applications where end users may be hindered by forces produced by conventional door control. Ideal applications where this may provide an ultimate solution are Aged Care, Health Care and Educational Institutions.

5831 Series Low Energy Operator

As one of the world's only regenerative power door operators, the Lockwood 5831 Series Low Energy Operator has the ability to reduce energy consumption by as much as 100 percent versus other comparable operators. Available in wireless and plug-in versions and able to fit in the tightest of spaces, the 5831 Series is simple to install and use.

Close-Motion® Door Closer

DC700G-CM

Designed to enhance your specification...

...the latest evolution that works
with your architectural vision

Definition and continuity
Strong lines combined with light metallic
finishes make a powerful statement.
The hallmark horizontal groove provides
recognisable continuity from model to model.

Quieter by design
Close-Motion® integrates the damping
mechanism unobtrusively into the guide rail,
so its extra features do not detract from the
hallmark ASSA ABLOY portfolio design.

Subtle contrast
Sophisticated and sleek, ASSA ABLOY door
controls blend lightly contrasting colours and
finishes to give a pleasing enhancement to the
door design, perfect for all environments.

Distinctive and modern
Contemporary in appearance, with neat
chamfered edges that exude quality
and robustness.

Smooth and robust
A distinct yet unobtrusive
appearance achieved with soft angles
and a double radius.

The ASSA ABLOY door control range is a 2018
winner of an Iconic Award for Innovative
Architecture – the Iconic Awards are an annual
international architecture and design competition
established by the German Design Council.

Door closer with Cam-Motion® technology and integrated Close-Motion® element.

Innovative Cam-Motion® technology combines with an integrated damping device to close doors quietly, safely and securely at the speed you want. The door is pulled quietly and securely into the frame, allowing the locking system to latch the door into position. Close-Motion® minimises problems from draughts and differences in air pressure. No noise. No fuss.

Close-Motion® can be safely set to faster closing speeds as the unique damping feature preserves safety and silence by controllably slowing the door during the last few degrees of closing. With safety, noise, accessibility and security covered, Close-Motion® is ideal for environments ranging from hospitality to healthcare and encompassing education and commercial or government buildings.

Easy to install by design, it is simple to adjust the standard closing and backcheck controls.

Advantages at a glance
Close-Motion® technology

1	2	3	4	5	6
Provides, quiet and safe closing, minimising the danger of finger traps.	Produces optimal damping when closing for quiet door closing action.	Increases the closing force to pull the door securely into the frame.	Closes doors reliably in environments when external wind pressure or air pressure differentials can be problematic.	Combines with other ASSA ABLOY architectural hardware to create a complete door opening solution by design.	Suitable for single and double-leaf doors*. * CE certificates applied for

Mechanical Hold-Open Device DCA158

Mechanical hold-open device for temporarily holding doors open. Doors held open at an opening angle of 130° hinge side. Continuously adjustable holding force. Not approved for use on fire and smoke protection doors

Opening damper DCA188

Helps to prevent the door and door handle from hitting a return wall. Simple installation in the guide rail, but doesn´t replace the need for a door stop

Complete product	
Description	Order no.
ASSA ABLOY DC700 CLOSE MOTION DOOR CLOSER WITH GUIDE RAIL ARM	DC700G-CM
ASSA ABLOY DC700 CLOSE MOTION DOOR CLOSER, GUIDE RAIL ARM AND LH TAMPER PROTECTION	DC700G-CM-LH
ASSA ABLOY DC700 CLOSE MOTION DOOR CLOSER, GUIDE RAIL ARM AND RH TAMPER PROTECTION	DC700G-CM-RH
Parts and accessories	
Description	Order no.
ASSA ABLOY DC700 CLOSE MOTION DOOR CLOSER WITH GUIDE RAIL ARM	DC700CM-DEV1
ASSA ABLOY DC700 DOOR CLOSER BODY WITH CLOSE MOTION	DCG150-DEV1
DC700G-CM GUIDE RAIL MOUTNING PLATE	DCA131
DC700G-CM MECHANCIAL HOLD OPEN DEVICE	DCA158
DC700G-CM OPENING DAMPER	DCA188
DC700G-CM GUIDE RAIL MOUNTING PLATE - 2MM	DCA230
DC700G-CM GUIDE RAIL MOUNTING PLATE - 3MM	DCA240
DC700G-CM GUIDE RAIL MOUNTING PLATE - 5MM	DCA250
DC700G-CM GUIDE RAIL MOUNTING PLATE - 15MM	DCA260
DC700G-CM DOOR CLOSER BODY MOUTNING PLATE - 5MM	DCA275
DC700G-CM DOOR CLOSER BODY MOUTNING PLATE - 3MM	DCA276
DC700G-CM DOOR CLOSER BODY MOUTNING PLATE - 2MM	DCA277
DC700G-CM TAMPER PROTECTION - RIGHT HAND	DCM220
DC700G-CM TAMPER PROTECTION - LEFT HAND	DCM225
DC700G-CM COVER COMPLETE FOR BODY, SILVER EV1	DCSP-41
DC700G-CM CLOSE MOTION ELEMENT COMPLETE	DCSP-42
DC700G-CM ACCESSORY BAG FOR CM INCL. RELEASE LEVER	DCSP-43
DC700G-CM ACCESSORY BAG FOR G150, SILVER EV1	DCSP-44
DC700G-CM COVER FOR GUIDE RAIL G150, SILVER EV1	DCSP-45

9800 Series Concealed Overhead Transom Door Closers

Lockwood 9800 Series Concealed Overhead Transom Door Closers provide a solution for applications where door control must be provided without disturbing the appearance of the door.

The closer fits into the transom above the door, most of the preparatory work is undertaken prior to installation, leaving minimal on site fitting.

Fully concealed door closers are designed to provide positive centring and door control on manually operated single or double action internal and external doors in schools, hospitals, clubs, factories, offices and commercial buildings.

PRODUCT SPECIFICATION	
Back Check (BC)	Built in back check from approximately 80°
Closing Angles	130° to 15°
Dimensions	Compact body size fits into 44.5mm x 100mm header section
Doors	Suitable for fire, metal, timber and glass doors
Door Thickness	Minimum 38mm
Door Weight	Maximum 115kg
Hold-open	Mechanical hold-open at 90° and 105°
Latching Angles	15° to 0°
Materials	Furniture body: high grade cast iron. Internal body: heat treated high alloy steel and ball bearings for optimum efficiency
Opening Angle	Maximum 130°
Pivot Point	70mm
Hydraulics	Stable hydraulic oil for a wide range of climatic conditions enabling constant operation
Valve	Built in pressure release valve protects closer from rough use

8800 Series

The Lockwood 8800 Series Floor Closers are designed to provide door control on manually operated double action doors in a wide range of commercial applications. The mounting kit provided with the Lockwood 8800 Series will suit glass, timber and aluminium frame door construction as standard.

ST8011SSS Floor Closer

The Lockwood ST8011SSS double action Floor Closer has been specifically designed to meet the exacting requirements of double or single action pivoted doors with a door leaf weight up to 300kgs. Innovative design enables onsite flexibility over a wide range of applications.

PRODUCT SPECIFICATION	
Door Adjustment	The Lockwood 8800 is positionally adjustable for a height of 4mm, a width of 10mm and a length of 9mm
Door Control	Two independent adjustment valves provide full hydraulic control from 130° to 15° of closing and 15° to 0° of latching
Door Frame Type	Timber/aluminium/steel
Door Thickness	Minimum for timber 32 mm
Door Weight	Up to 120kg as standard
Door Width	Up to 1150mm (refer to selection procedure)
Finishes	Stainless Steel (SSS) Gold (GLD) Polished Stainless Steel (PSS) Other finishes on application
Hold-Open	Available in both non hold-open and hold-open versions. Mechanical hold-open 90° and 105° in separate units

PRODUCT SPECIFICATION	
Adjustable Closing-Speed	Adjustable Closing Speed: Closing 175deg - 15deg, Latching speed 15deg - 0deg
Back Check (BC)	The integrated mechanical back check function offers optimum protection for doors and walls. With these standard features built into one product this means there is only one model to specify and stock to cover a wide range of applications
Construction	Cast iron body. Three thermodynamic valves for consistent performance. Built in pressure relief valve. Cement box hot zinc plated steel Universal cover plate
Delayed Action	Adjusting this valve controls the closing time of the door between 170deg - 85deg
Door Specifications	Suitable for door weights up to 300kgs Leaf widths from 950mm - 1400mm Max opening angle 175deg
Hold-Open	By setting the HO valve the door can be set to hold open the door at any angle from 85deg to 170deg opening, to release door manually pull door closed
Power Adjustment	Turning the screw valve the power can be adjusted from EN size 3-6; closing force ranges from 24Nm to 60Nm

Exit Devices

Fluid Series

The next generation in the Lockwood Panic Exit Device range, the FLUID Series provides a fundamental means of escape whilst offering a completely unique locking mechanism and design aesthetic.

With this type of unique innovation, ASSA ABLOY continues to evolve in standardising the market. The Lockwood FLUID Exit Device range combines ergonomics and performance with a completely new type of axis mechanism and high security bolt system.

Features:
- Brushed Stainless Steel Bolt
- High level of resistance. Up to 500kg to each latching point.
- Tested to 1,000,000 cycles
- Auxiliary bolt activation from 1mm
- Effortless opening < 20N required
- Available in both vertical and horizontal latching positions in 2/3 point configurations
- Bar can be cut down to 350mm
- New fixing bracket and template design reduces installation time by up to 50%

Protect. Evacuate people safely
Secure. High vandal resistance
Optimise. A simple and efficient installation process

HORIZONTAL LATCHING

VERTICAL LATCHING

LOCKWOOD
ASSA ABLOY

Exidor Range

The Lockwood Exidor series panic hardware offers a modern, aesthetically pleasing style giving optimum safety and security.

Features:
- Push bar activated panic exit device
- Available in configurations to suit single and double doors
- For use on timber and steel doors
- Surface mounted
- Shoot bolts and latch options available
- Suitable for doors up to 1220mm wide and 2440mm high
- Tested to 200,000 cycles
- Non-handed

Product Details

Handing	Field Reversible
Door Width	Maximum 1220mm, bar can be cut to size
Door Mass	Up to 200kg
Projection	98mm from door face
Finish	Silver (SIL) Epoxy powder coating

Standards and Compliance

Successfully tested on fire door assemblies in accordance with Australian Standard AS1905.1-2005. Fire Resistant Doorsets.

Conforms to the standards as set out in CE EN1125 -2015.

EXI296 - SIL
(REVERSIBLE PANIC LATCH)

EXI325EA - SIL
(LEVER OAD EURO CYLINDER ORDERED SEPARATELY)

EXI294 - SIL
(SINGLE PANIC BOLT)

EXI285 - SIL
(DOUBLE DOORSET BOLT & LATCH)
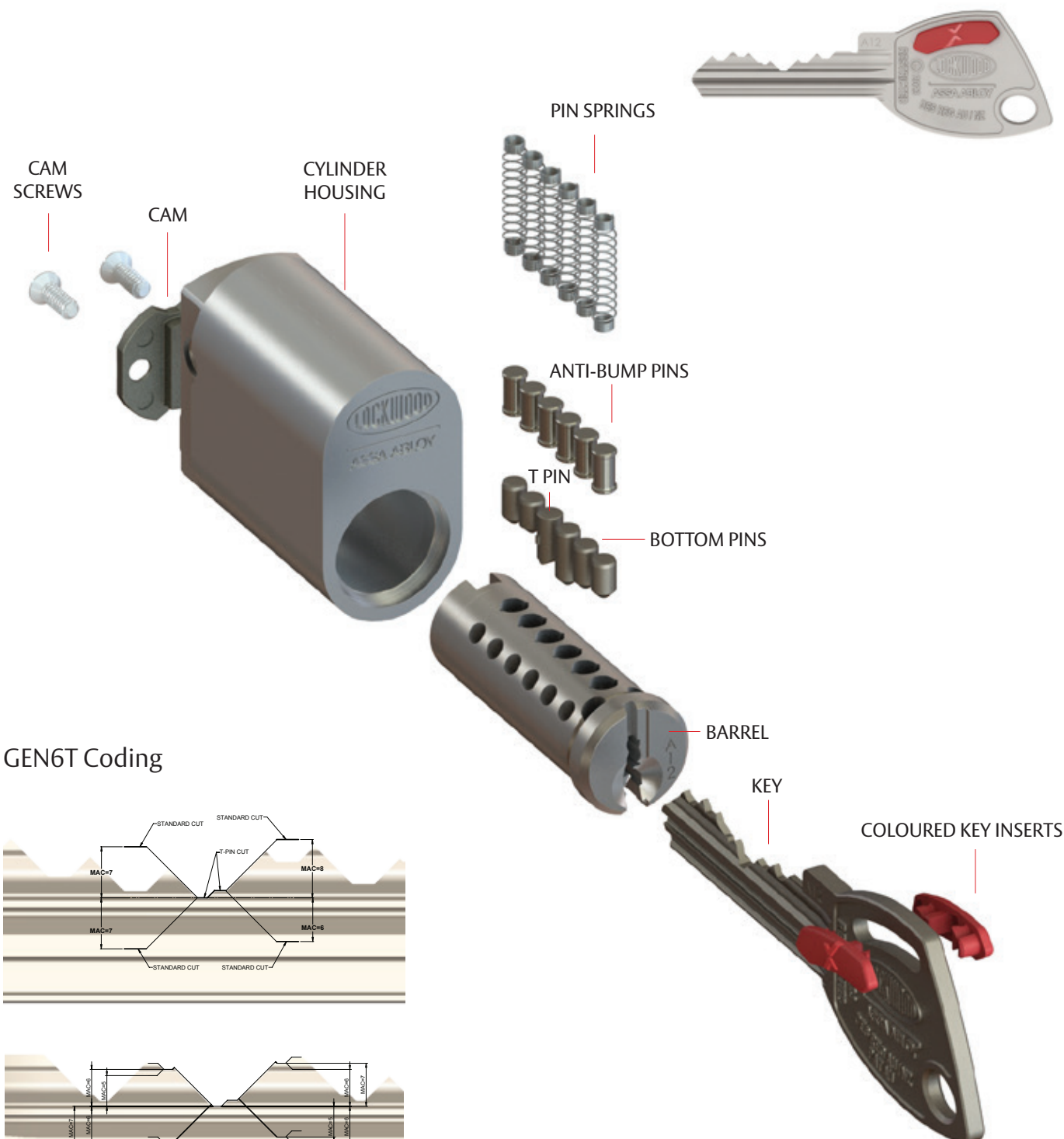
EXI284 - SIL
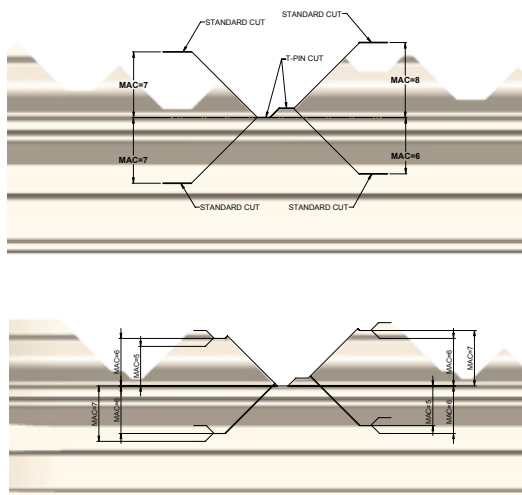(DOUBLE DOORSET PANIC BOLT)

GEN6TX®

GEN6TX®

GEN6TX® keys are supplied with the new FP2 feature. The FP2 feature provides increased protection via a two-way stop-surface system. One or both shoulders on the key will contact stop surfaces on the barrel, but there are three-barrel types mixed to randomize the active stop surfaces.
GEN6TX® keys are fully backwards compatible with Generation 6 and GEN6T systems. Generation 6 or GEN6T keys cannot be used with GEN6TX® barrels.

CAM SCREWS

CAM

CYLINDER HOUSING

PIN SPRINGS

ANTI-BUMP PINS

T PIN

BOTTOM PINS

BARREL

KEY

COLOURED KEY INSERTS

GEN6T Coding

STANDARD CUT
STANDARD CUT
T-PIN CUT
MAC=7
MAC=8
MAC=7
MAC=6
STANDARD CUT
STANDARD CUT

All ABLOY® locks are based on the unique operating principle of rotating detainer discs. Inside the ABLOY® cylinder, a series of discs rotate and function like those in a safe. Only the correct key, turned 90 degrees, will rotate the discs aligning the side bar gates. After the discs are aligned to the correct opening combination, the locking bar drops into the aligned slot allowing the lock to open. To withdraw the key it must be turned in the reverse direction until it stops. This will mechanically scramble the discs.

ABLOY® PROTEC²

ABLOY® PROTEC² is the latest milestone in the development of the unique ABLOY® rotating disc cylinder keying system that offers several unsurpassed and superior security features and benefits.

ABLOY® PROTEC² is a keying system technology platform that can be used to create master key systems, key alike systems or to individually key a range of cylinder variations to suit most locks available in the Australian market. Extensive master keying capabilities and unsurpassed features and benefits offered by the rotating disc mechanism ABLOY® PROTEC² employs makes it the right choice for building or infrastructure projects large or small.

ABLOY® PROTEC² CLIQ

ABLOY® PROTEC² CLIQ is a true one key solution where CLIQ keys are able to operate both the electromechanical and mechanical cylinders.

ABLOY® PROTEC² CLIQ is a very cost effective solution. CLIQ cylinders are installed in areas which require electronic features such as audit trails, time limited access and easy blocking of lost keys. Those areas could for instance be the perimeters, storerooms or server rooms. Mechanical ABLOY® PROTEC² cylinders are then installed in the other areas.

ABLOY® SENTRY

ABLOY® SENTRY is a new evolution of the unique ABLOY® rotating disc technology that provides a smooth and reliable function in every environment.

ABLOY® SENTRY is a patented cylinder platform specifically designed for professional end users and original equipment manufacturers. It is an ideal solution whenever high security and resistance in harsh conditions is needed. ABLOY®SENTRY is offered in a range of cam locks, cabinet locks and padlocks.

With ABLOY® SENTRY your security is ensured today as well as into the future. ABLOY® SENTRY worldwide patents are valid until 2027.

ABLOY® NOVEL

Superior master keying features are offered based on our vast number of key combinations. In an ABLOY® NOVEL locking system, different products can be keyed into one master key system and thus all products can be operated with just a single key whether the application is a door, gate, drawer or closet. The range is wide providing the possibility to create extensive master key systems that fulfill your exact specifications.

ABLOY® NOVEL is an excellent solution for new builds as well as when upgrading existing locking systems. With ABLOY® product range, the core always remains the same. The outer covering can be changed according to need to meet local standards and applications — so far in more than 80 countries.

A new dimension in high-end digital security solutions

BEAT Controller

Secure mobile access control for critical infrastructure protection.

Introducing ABLOY®BEAT — our growing, keyless product range for critical infrastructure protection. These mobile and smart innovations are a step towards a new era of fully connected, digital access control. Powered by Seos® credential technology, the BEAT solutions provide exceptional security and privacy protection specifically designed for critical infrastructure. They are always in sync with your security situation and add efficiency to your operations.

- BEAT keyless padlock — high-end Bluetooth® lock for all weather conditions
- BEAT controller for keyless access control
- Keyless entry with convenient mobile app
- Integrated access control — manage with CIPE Manager or add into your existing workflow
- Secured with Seos®, specifically made for critical infrastructure protection
- Increased security, efficiency and convenience

The benefits of ABLOY® Beat

seos				
Secured with best-inclass Seos® credential technology	Easy to use mobile application	Convenience of a keyless solution	High-end digital security for all environments	Latest addition to our future-proof digital portfolio
Super Weather Proof (SWP) IP68 approved	Full audit trail	Online / Offline access	Bluetooth padlock	Managed with ABLOY OS or integrated with 3rd party systems

59

Aeron® Window Actuator

Aeron® Window Control System

Aeron is a comprehensive solution that combines convenience, flexibility and safety. With the ability to control multiple windows through the user-friendly Yale Home app, it revolutionises the way you interact with your home. Customisation is key with the Aeron system. Utilising groups, you can configure the system to match the unique layout of your home or commercial building, making it ideal for managing hard-to-reach windows.

Features & Benefits

Wide window coverage	Simultaneous operation	Intuitive app controls	Easy installation
Secure window seal	Durable construction	Adjustable chain length	Versatile compatibility

Connects with:

Add the Yale Connect Plus Hub 2 and module to easily monitor and control your Yale products from your smartphone. Add the remote control for easy access.

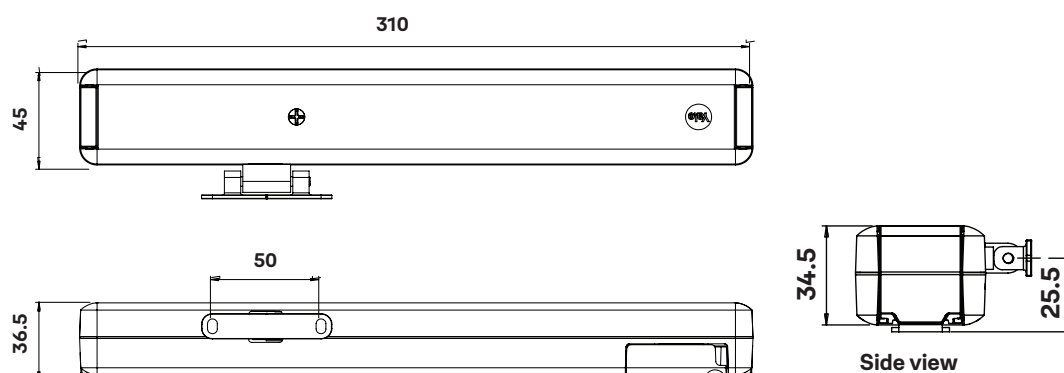| Connect Plus Hub 2	Remote
YAR/SWAA/HUB	YAR/SWAA/ZRT

Yale Home App

Download our free Yale Home App on iOS and Android.

GET IT ON Google Play

Download on the App Store

310

45

50

36.5

34.5

25.5

Side view

Specification Guide

Step 1. Specify Actuators

Specify **one actuator**
for window less than 900mm:

A.

0.5W

Single: W=900mm max
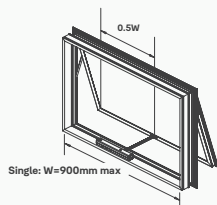
Actuators		
YAR/WSWA/1/BLK	YAR/WSWA/1/P	YAR/WSWA/1/SPEC
QTY:		

Specify **two actuator**
for windows between
900mm and 2400mm

B.

0.2W

0.2W

Double: W=2400mm max
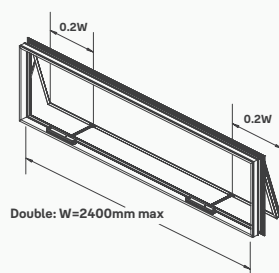
Actuators		
YAR/WSWA/1/BLK	YAR/WSWA/1/P	YAR/WSWA/1/SPEC
QTY		

Specify one synchronisation
loom for each double
actuator installation

Sync Loom YAR/SWAA/SSL

Total number of actuators (A+B):	
Total number of synchronisation looms:	

Step 2. Specify Power Supply

One power supply can power up to two actuator.
For double actuator windows, the same power
supply must be used for both actuators

Power Supply		
YAR/SWAA/SPS	QTY:	

Step 3. Specify Hub

One Hub can connect
up to 30 actuators and 4 remotes

Connect Plus Hub 2		
YAR/SWAA/HUB	QTY:	

Step 4. Specify Remote

4 Remotes maximum
per system

Remote		
YAR/SWAA/ZRT	QTY:	

Step 5. Specify Rain Sensor & Adaptor (coming soon)

Optional.
Specify maximum
one rain sensor per system

Rain Sensor and Adaptor		
YAR/SWAA/SRS	QTY:	

Lockwood Flush Bolt *(FB100, FB150, FB200)*
The Lockwood range of flush bolts are manufactured from premium brass material and are designed for use in timber door applications to secure the inactive leaf of a set of double doors. Recessed into the edge of the door and completely concealed when the door is in the closed position. The flush bolt range is available in a variety of lengths to suit most applications.

Yale Flush Bolt *(P3513, P3512)*
The Yale flush bolt range is used for safe bolting of aluminium doors and windows. The 7mm diameter plated steel rod provides high security and is activated by a strongly constructed die-cast zinc body and operating lever with comfortable finger grip.

Flush Pulls *(FP1-120, FP1-150, FP2-120, FP2-150)*
Lockwood Stainless Steel Flush Pulls can be used on any door where a 'flush with the door face' pull is desired including sliding or cavity doors. The internal edges of the flush pull handles are finished for comfort of use and to soften aesthetics.

Toilet Indicator *(L550, L811, L801)*
Easy to install, surface mounted toilet bolts with an indicator to denote whether a room is occupied or vacant.

Hinges *(LLW10075)*
The 100 Series Architectural Hinges are designed to provide an effective solution to hanging doors where there is a need for high grade architectural quality hinges. Suitable for both interior and exterior applications.

Braille Signage *(BRS1700, BRS1701, BRS1703, BRS1706)*
Each plate consists of embossed tactile design, English text and braille lettering. The embossed components use standard imagery and fonts to ensure vision impaired non-braille readers can decipher the sign.

Door Stops *(A250, A280, A350)*
Lockwood offers door stops for wall and floor mounting with quality design, finish and appearance.

Visit **eshop.assaabloyopeningsolutions.nz** for product details

LOCKWOOD FLUSH BOLT

YALE FLUSH BOLT

FLUSH PULLS

TOILET INDICATOR

DOOR STOPS

HINGES

BRAILLE SIGNAGE

E Series Status Indicator Deadbolt

ASSA ABLOY

The Arrow E Series status indicator deadbolt provides the ultimate in privacy assurance with bold visual indicators on both the inside and outside of the door. The Arrow E Series status indicator uses an emergency key override to unlock the door from the outside in case of empergency.

This product is ideal for use in public restrooms, dressing rooms, nursing mothers' rooms and other areas requiring visual communication of use and assured privacy.

General Specifications:
- **Housing** - Solid one-piece construction with a decorative scalp.
- **Thr-bolting** - Supplied with two 1/4" steel thru-bolts.
- **Deadbolt** - 1" (25mm) throw, solid steel deadbolt with hardened, free spinning, steel pin insert.
- **Backset** - 2-3/8" (60mm), 2-3/4" (70mm)
- **Deadbolt Front** - 2-1/4" (57mm) x 1" (25mm) standard for 2-3/8" (60mm) backset, 2-1/4" (57mm) x 1-1/8" (29mm) standard for 2-3/4" (70mm) backset. Drive - in deadbolts are available.
- **Door** - 1/3/8" (35mm) to 1-3/4" (44mm) thick standard.

- **Strikes** - Supplied standard with the #395 strike kit (includes #345 metal frame strike and #346 wood frame strikie).
- **Handing** - Shipped for right hand door installation. Converts for left hand door use with easy to follow instructions. No tools required.
- **Emergency Key**-The deadboklt can be unlocked from the outside with an emergency key.

Certification and Compliance

ANSI/BHMA A156.36, Auxiliary Locks, Grade 2

E50/346-141/KDCP

Finishes

	ANSI/BHMA	US Equivalent	Arrow Equivalent	Finish
1	605	US3	03	Bright Brass
2	606	US4	04	Satin Brass
3	609	US5	05A	Antique Brass
4	612	US10	10	Satin Bronze
5	613	US10B	10B	Dark Oxide Bronze, Oil Rubbed
6	613E	US10BE	613E	Dark Oxidized Bronze - Equivalent
7	619	US15	15	Nickel Plated
8	625	US26	26	Bright Chromium Plated
9	626	US26D	26D	Satin Chromium Plated
10	--		BSP	Black Suede Powder Coat

Notes:

Notes:

The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world

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