dormakaba

9000 Series

Panic Hardware

A complete line of panic hardware

dormakaba offers a complete line of panic hardware for virtually any egress control installation in which security, reliability and appearance are considerations. Our devices cover the full range of hardware requirements found in such places of public assembly as hospitals, universities and schools, public auditoriums, commercial buildings, hotels and municipal buildings.

dormakaba offers a comprehensive line of 9000 Series narrow stile architectural touchbar devices, including concealed and surface panic bolts and rim panic latch. Each model is available with a broad range of outside operating trim and special electrical functions.

dormakaba panic hardware is manufactured to the same exacting standards for quality and workmanship that have made dormakaba door closers the leading door controls worldwide.

The 9000 Series features solid, wrought metal full length touchbars, rails and covers. The brass, bronze, stainless steel and aluminium materials provide an architectural finish that will remain attractive even in the most punishing conditions. Chassis are constructed of an alloy steel with zinc dichromate finish and stainless steel dead-locking pullman type latchbolts, while end caps are a rugged zinc alloy die casting.

Plus points

For the trade
• Engineered, reliable product
• Excellent value when comparing product, price and service
• Handing and functions are field-changeable to minimise inventory variants

For the installer/fabricator
• Easy to install, with simple, straightforward installation instructions and fixing templates
• Versatility by field-cutting units to suit varying door widths
• Minimal adjustment required at installation
• Simple design requires virtually no in-service maintenance

For the architect/specifier
• Covers all applications with rim panic latch, surface panic bolt and concealed panic bolt configurations
• Variety of locking options and outside operating trim
• Electrical operating functions for specialised applications
• Complete range of architectural finishes

For the user
• Durable finishes are long lasting
• Few, but easily replaced, parts for continued service
• Life-cycle tested to guarantee on-going performance

General Information
• Full door-width touchbar and rail, chassis and latchbolt covers are fabricated from brass, bronze, aluminium or stainless st
• Die-cast end cap for touchbar assembly finished in comparable electro-plated finish
• All devices easily field-reversible
• Fasteners provided for metal and wood door applications

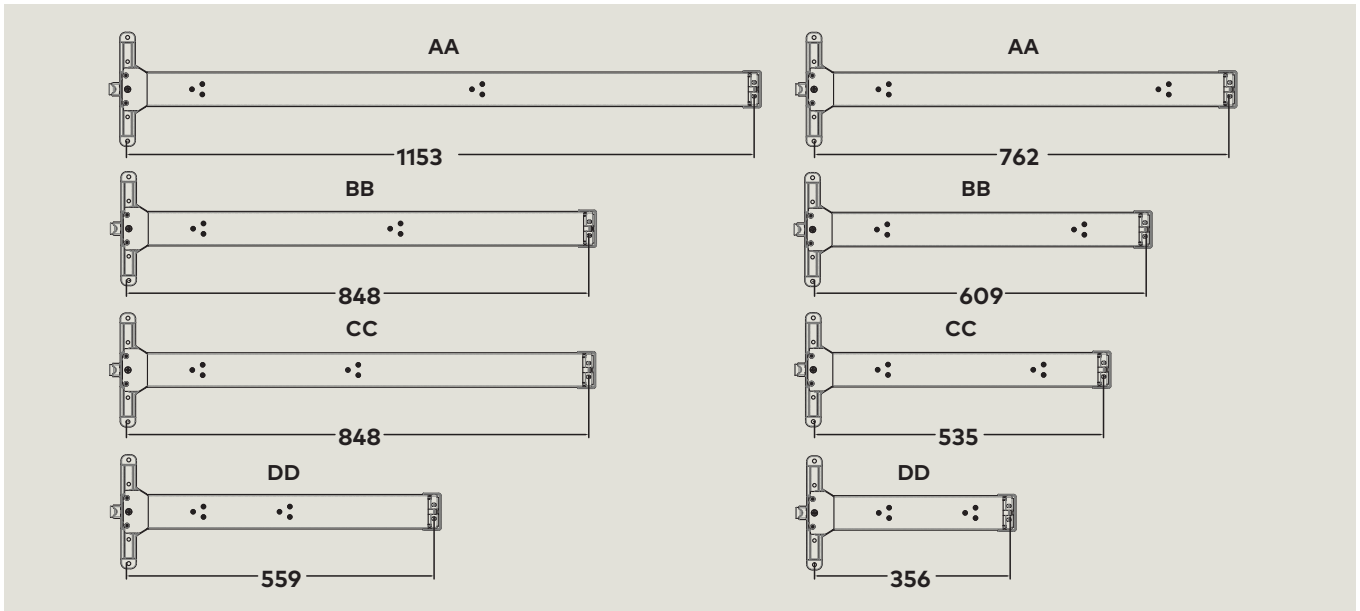| Data & Features	9700 Panic Latch	9800 Surface Panic Bolt	9600 Concealed Panic Bolt
Size AA Doors 1220 to 838mm	●	●	●
Size BB Doors 915 to 686mm	●	●	●
Size CC Doors 915 to 610mm	●	●	●
Size DD Doors 410 to 610mm	○	●	●
Door Height to 2430mm	●	●	●
Door Height 2430 to 3050mm	●	○	○
Door Thickness 45 to 58mm	●	●	●
Door Thickness 58 to 101mm	○	○	○
Site Reversible Handing	●	●	●
Hex Key Dogging	●	●	●
Cylinder Dogging	○	○	○
Deadlocking Top Pullman Latch	-	●	●
Bottom Round Slide Bolt	-	●	●
Bottom Pullman Latch	-	○	○
Electronic Bolt Retraction	○	○	○
Monitor Switch in Touchbar	○	○	○
Battery Powered Exit Alarm	○	○	○
Direct Wired Exit Alarm	○	○	○
Outside Operating Trim	○	○	○
CE Marked to BS EN1125	●	●	●
CERTIFIRE Approved for Timber and Metal Doors CF875	●	●	-
Anti-corrosion	○	○	○
Anti-bacterial Coating	○	○	○

● yes   - no   ○ optional

The Panic Hardware products in the dormakaba 9000 series have been tested and approved to BS EN 1125 and carry the CE - conformity mark in accordance with supplement ZA to that standard.
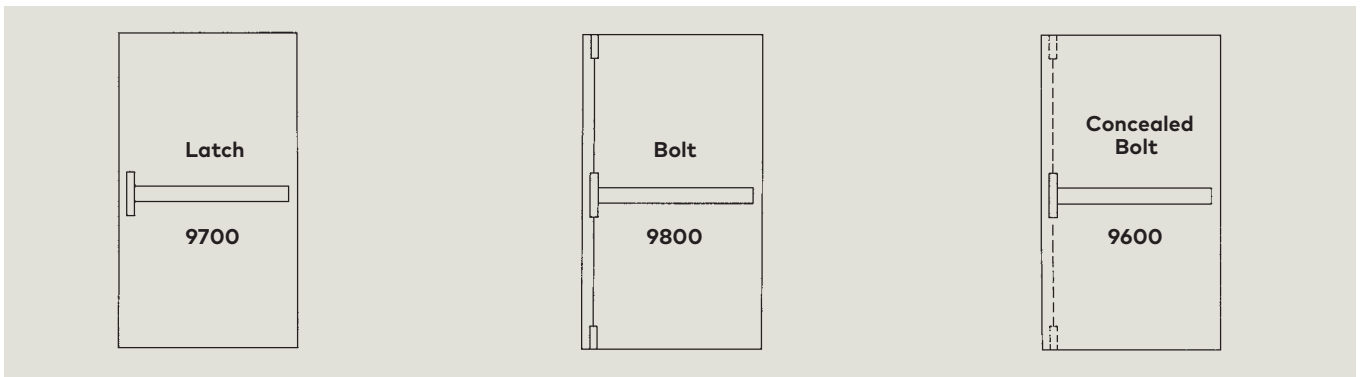
The quality-assurance system at the DORMA Group North America, Steeleville, Illinois, U.S.A. plant is certified to ISO 9001 and ISO14001
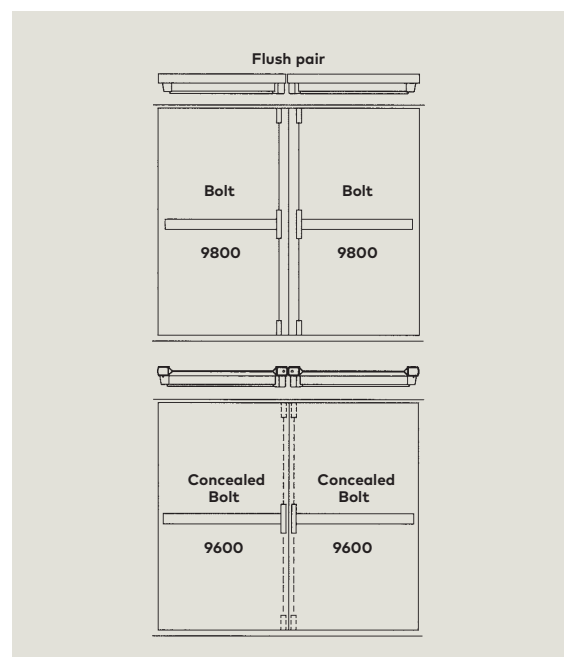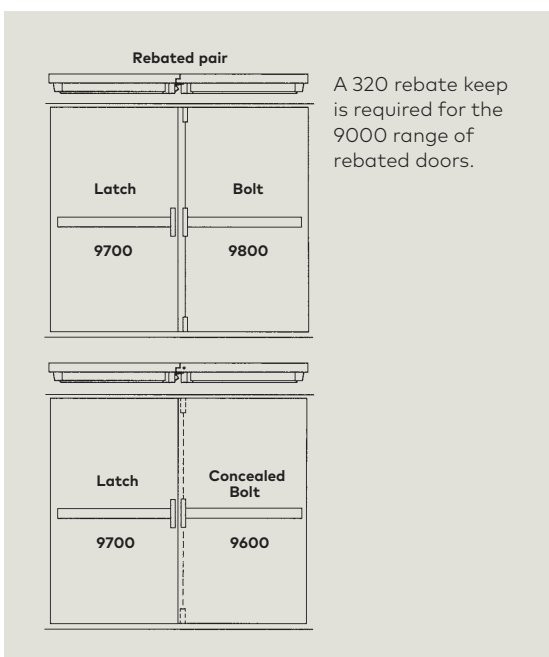
CE

CERTIFIED
ISO 9001
INTERTEK
CERTIFICATION

Maximum and minimum fixing centres in mm

AA

1153

AA

762

BB

848

BB

609

CC

848

CC

535

DD

559

DD

356

Single doors

Latch

9700

Bolt

9800

Concealed Bolt

9600

Double doors

Rebated pair

A 320 rebate keep is required for the 9000 range of rebated doors.

Latch **Bolt**

9700 9800

Latch **Concealed Bolt**

9700 9600

Flush pair

Bolt **Bolt**

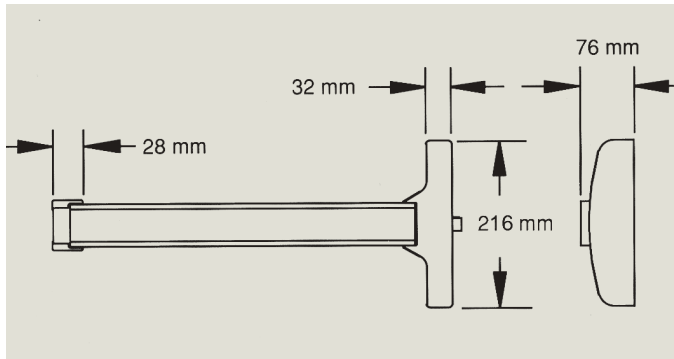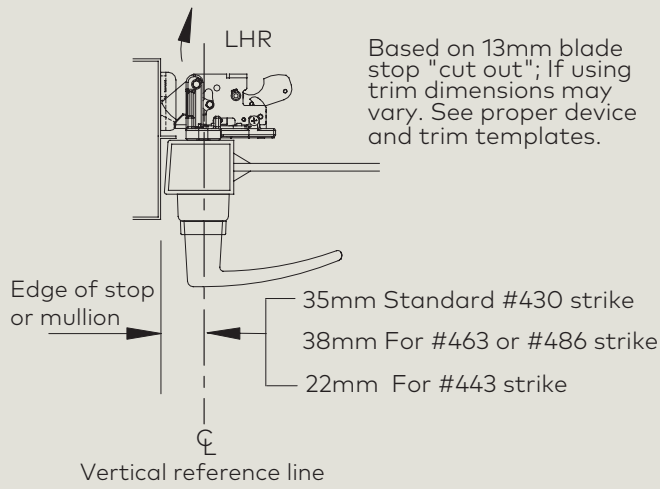9800 9800

Concealed Bolt **Concealed Bolt**

9600 9600

9700 Series

The 9700 Series is a rim panic latch fitted completely to the face of the door. The 19mm dead-locking latchbolt engages a keeper, normally surface applied to the frame (recessed keeper also available). This provides simple installation, yet secure locking of the door.
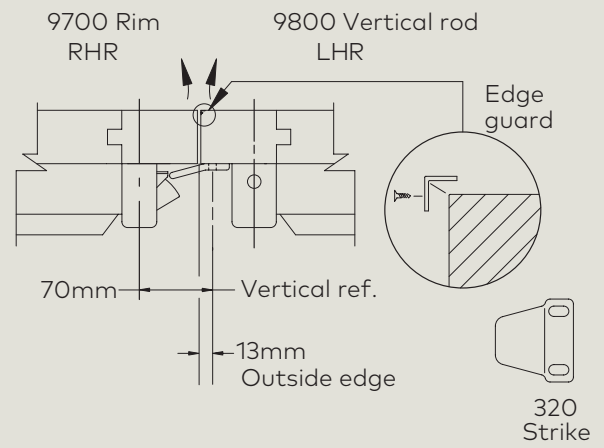
Specifications

- Size "AA" device fits 1220mm wide door, can be cut to door 838mm wide on site.

- Size "CC" device fits 915mm wide door, can be cut to door 610mm wide on site.

- Size "DD" device fits 610mm wide door, can be cut to door 410mm wide on site.

- Hex key dogging standard, cylinder dogging optional, specify suffix "CD". CD option requires American mortice cylinder, not included.

- Where dogging is not desired, specify suffix "LD".

AD416 Standard Keeper

AD486 Roller Keeper

AD463 Oversize Extended Lip Keeper (Default keep for 9700 series)

AD425 Recessed Keeper with Lip

AD320 Oversize Keeper for Panic Latch on Active Leaf of Pair of Doors

LHR
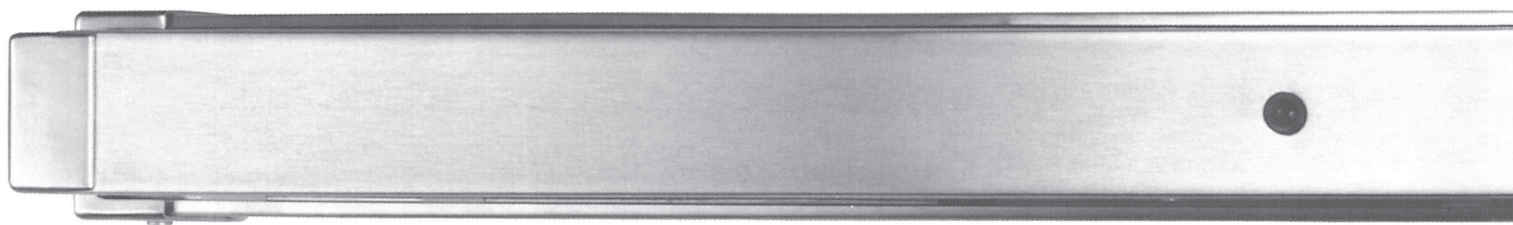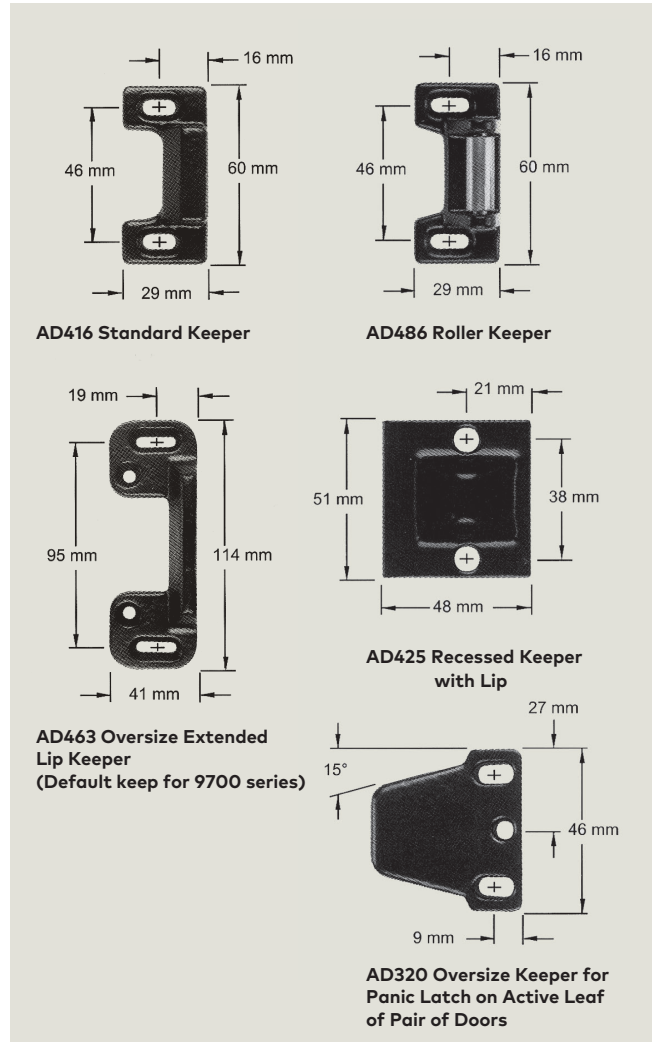
Based on 13mm blade stop "cut out"; If using trim dimensions may vary. See proper device and trim templates.

9700 Rim RHR

9800 Vertical rod LHR

Edge guard

Edge of stop or mullion

35mm Standard #430 strike

38mm For #463 or #486 strike

22mm For #443 strike

70mm — Vertical ref.

13mm Outside edge

320 Strike

Vertical reference line

Backset or vertical reference is measured from outer edge of door as shown. Minimum stile is less glass stop.

Vert. ref.

Vert. ref.

Min. Stile

Min. Stile

Rounded edge door | Beveled edge door
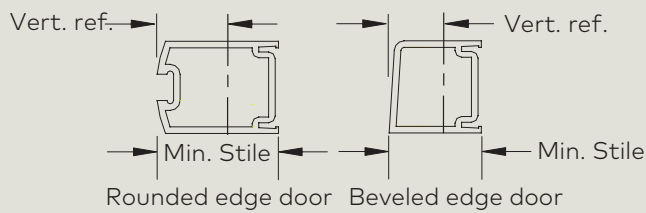
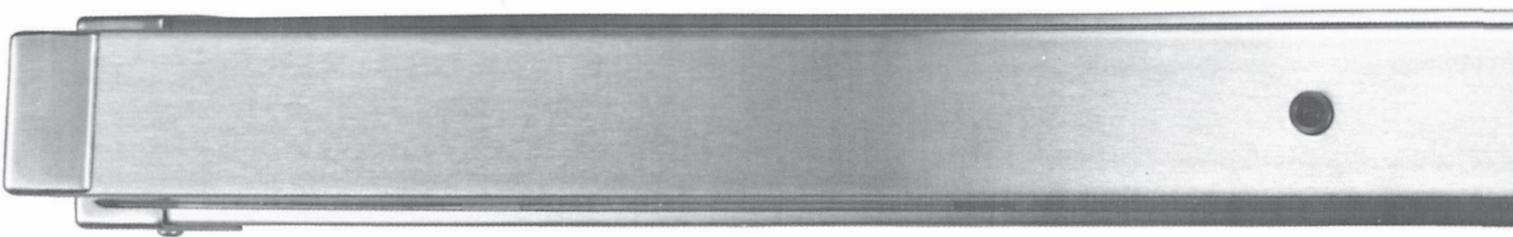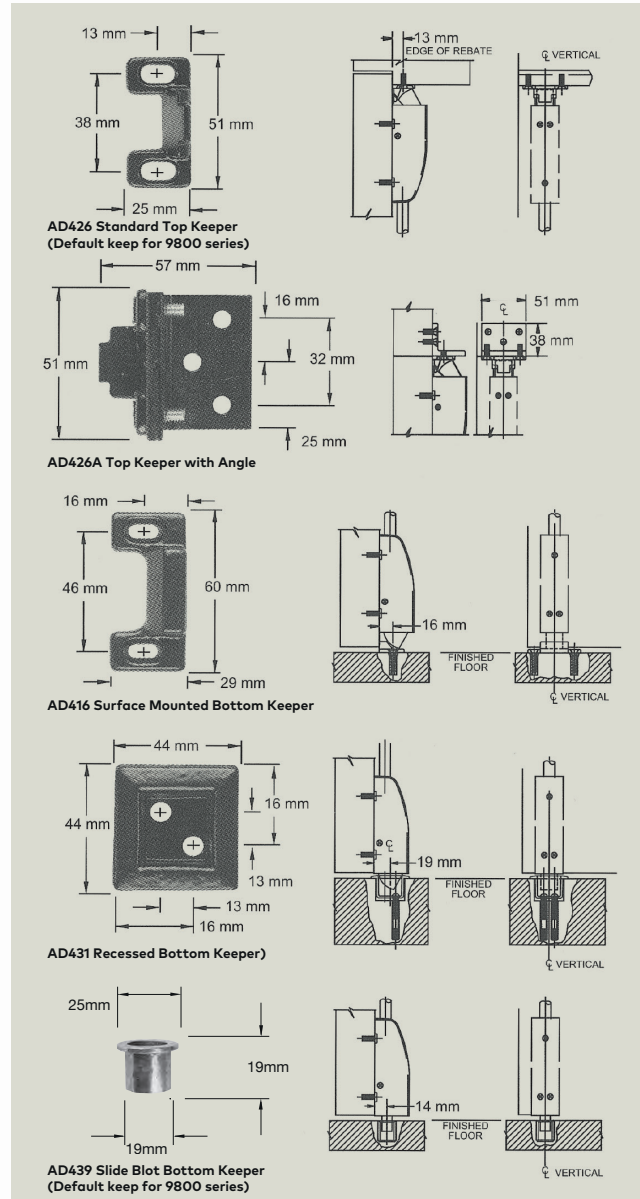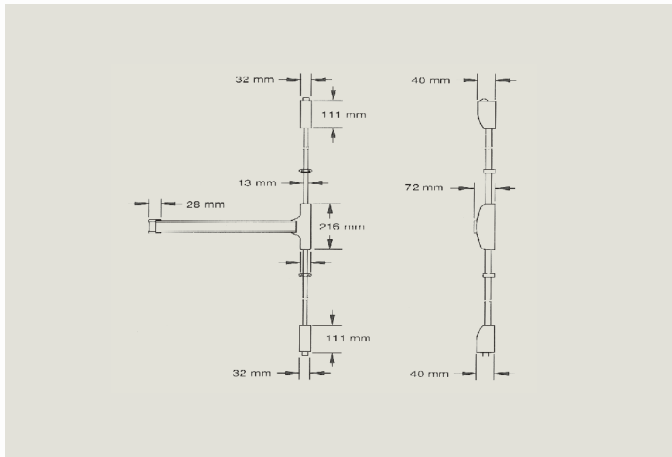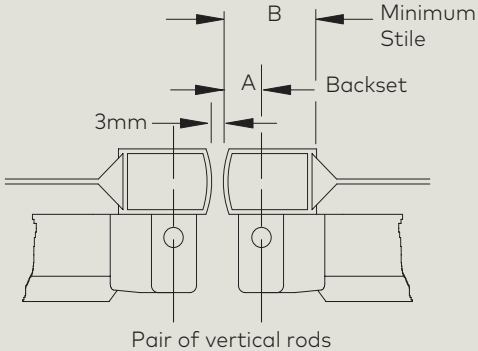| Type of installation	Minimum vertical ref. of chassis	Minimum Stile	
		Pull only	"Z" trim
Single door 13mm blade stop	35mm	51mm	56mm
Pairs and double egress	32mm	41mm	54mm

9800 Series

The 9800 Series is a panic bolt fitted completely to the face of the door. The 19mm deadlocking, Pullman type latchbolt engages surface or recessed keepers in the frame head and a 12mm slide bolt engages in the floor, providing secure dual-point locking of the door.
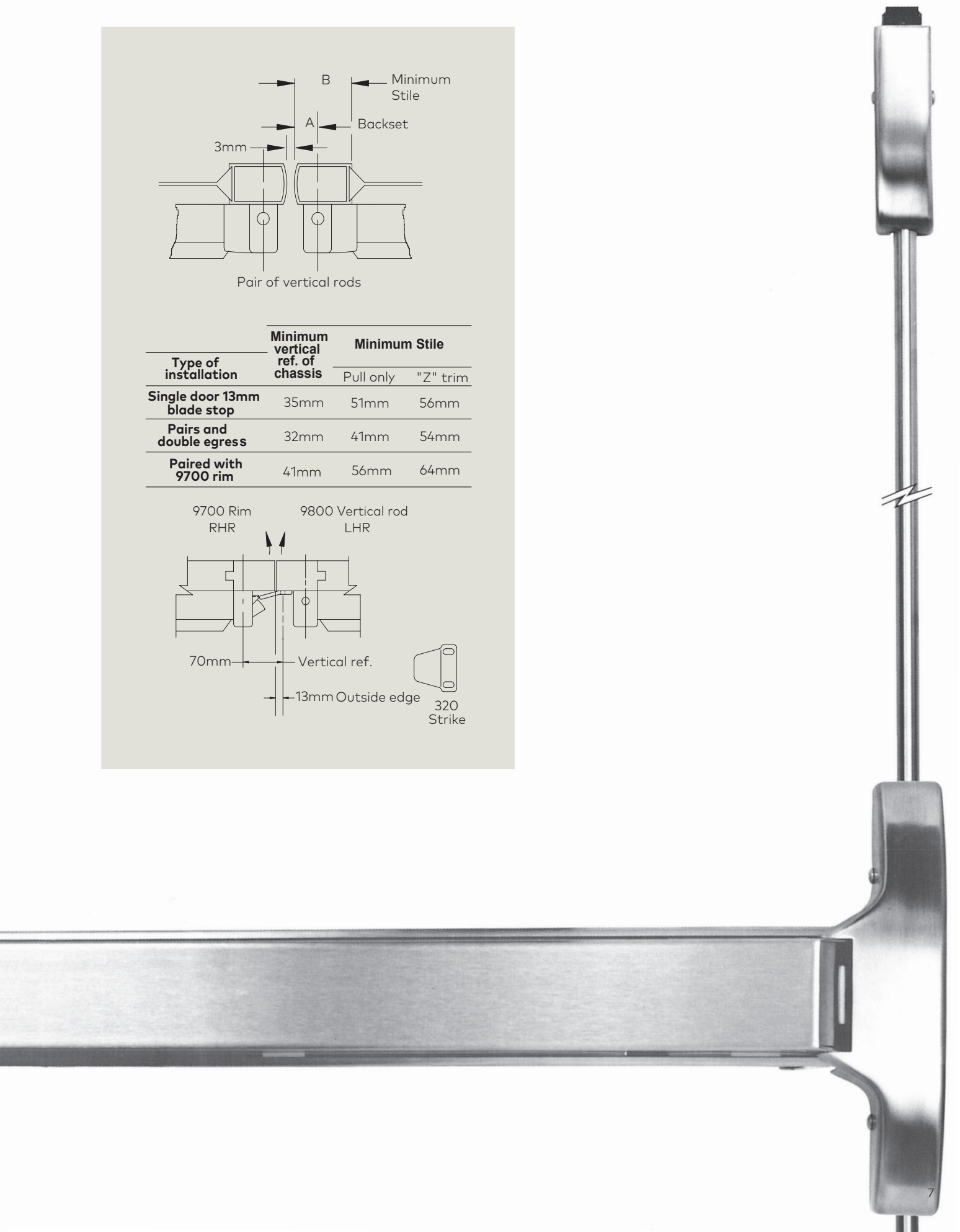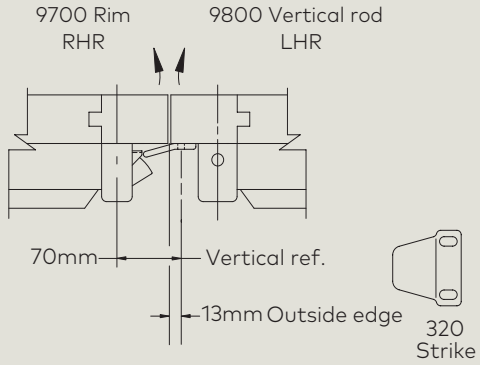
Specifications

- Size "AA" device fits 1220mm wide door, can be cut to door 838mm wide on site.

- Size "CC" device fits 915mm wide door, can be cut to door 610mm wide on site.

- Size "DD" device fits 610mm wide door, can be cut to door 410mm wide on site.

- Standard device fits doors up to 2430mm high, specify extended rods "ETR" for doors 2430mm to 3050mm high.

- Hex key dogging standard, cylinder dogging optional, specify suffix "CD". CD option requires American mortice cylinder, not included (no dogging available on size DD bars).

- Where dogging is not desired, specify suffix "LD".

- Devices are handed but easily field-reversible.

AD426 Standard Top Keeper
(Default keep for 9800 series)

AD426A Top Keeper with Angle

AD416 Surface Mounted Bottom Keeper

AD431 Recessed Bottom Keeper)

AD439 Slide Blot Bottom Keeper
(Default keep for 9800 series)

Minimum Stile

Backset

B

A

3mm

Pair of vertical rods

Type of installation	Minimum vertical ref. of chassis	Minimum Stile	
		Pull only	"Z" trim
Single door 13mm blade stop	35mm	51mm	56mm
Pairs and double egress	32mm	41mm	54mm
Paired with 9700 rim	41mm	56mm	64mm

9700 Rim RHR

9800 Vertical rod LHR

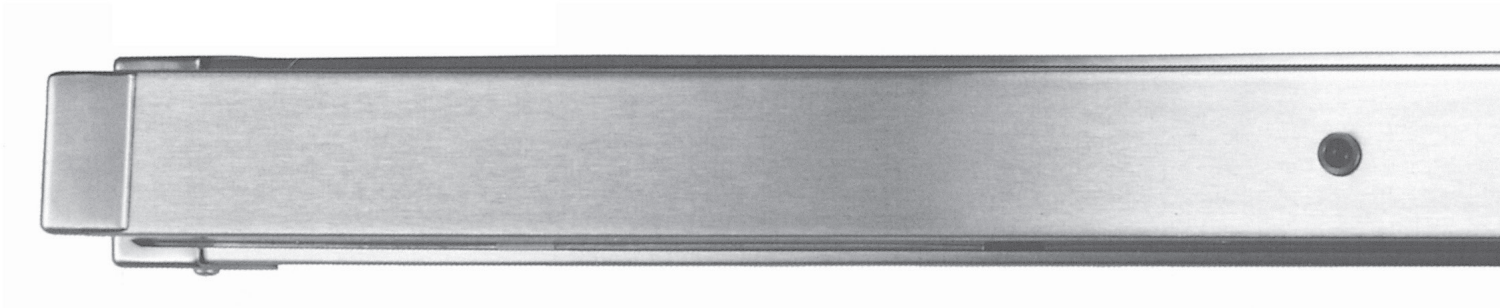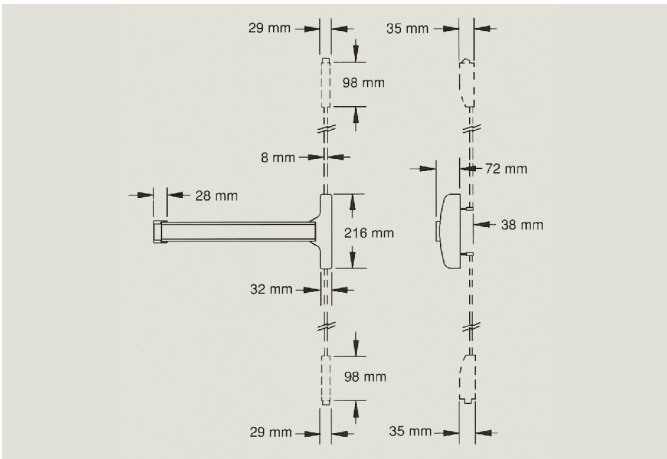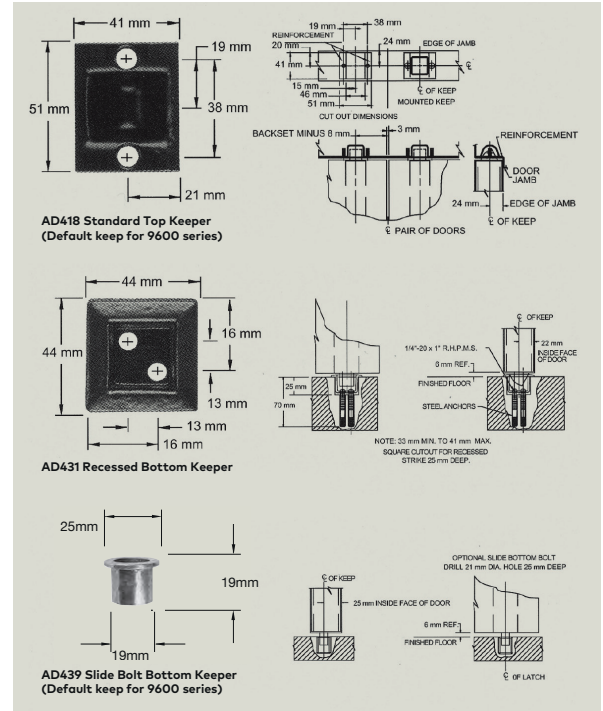70mm — Vertical ref.
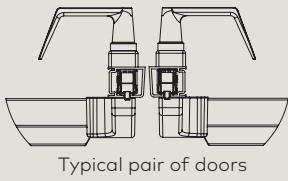
13mm Outside edge

320 Strike

9600 series

The 9600 Series is a panic bolt concealed in the lock stile of the door, providing improved aesthetic appeal. The touchbar assembly is fitted to the face of the door. The 19mm deadlocking pullman type latchbolt engages keepers recessed in the frame head and a 12mm slide bolt engages in the floor, providing secure dual-point locking of the door.
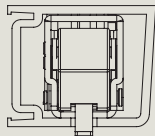
Specifications

- Size "AA" device fits 1220mm wide door, can be cut to door 838mm wide on site.

- Size "CC" device fits 915mm wide door, can be cut to door 610mm wide on site.

- Size "DD" device fits 610mm wide door, can be cut to door 410mm wide on site.

- Standard device fits doors up to 2430mm high, specify extended rods "ETR" for doors 2430mm to 3050mm high.

- Hex key dogging standard, cylinder dogging optional, specify suffix "CD". CD option requires American mortice cylinder, not included (no dogging available on size DD bars).

- Where dogging is not desired, specify suffix "LD".

- Devices are handed but easily field-reversible.

AD418 Standard Top Keeper
(Default keep for 9600 series)

AD431 Recessed Bottom Keeper

AD439 Slide Bolt Bottom Keeper
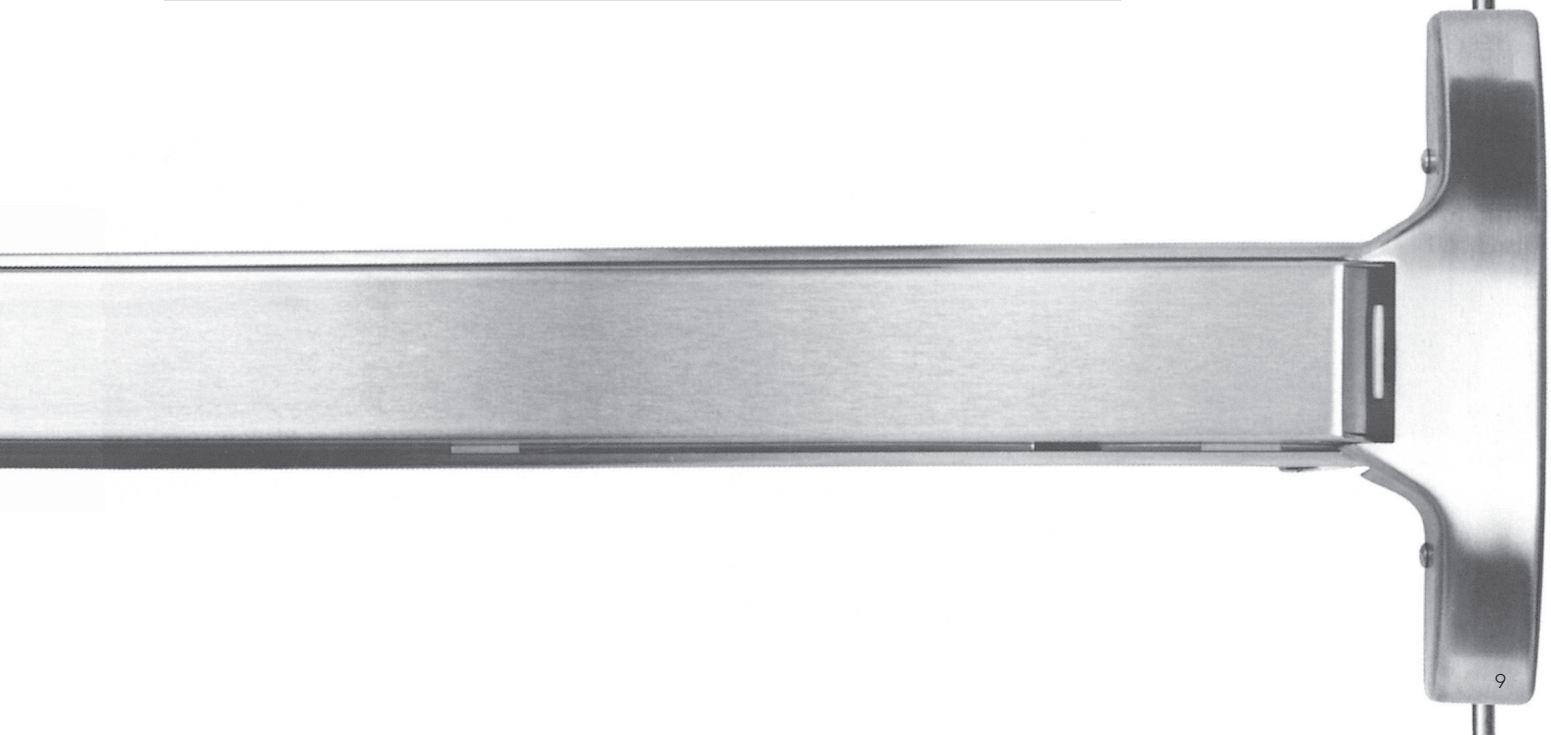(Default keep for 9600 series)
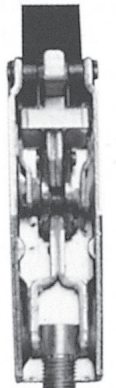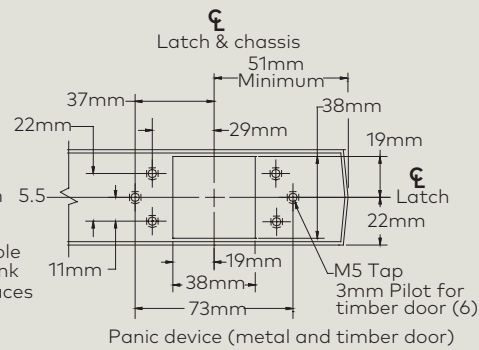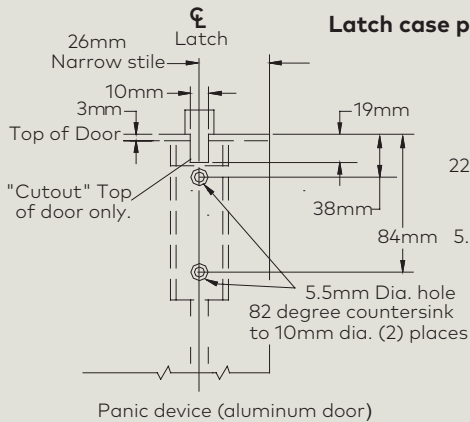
Typical pair of doors

Note: On narrow stile vertical center line of chassis may not be on same center line as latch.

Backset or vertical reference is measured from outer edge outer edge of door as shown. Minimum stile is less glass stop.
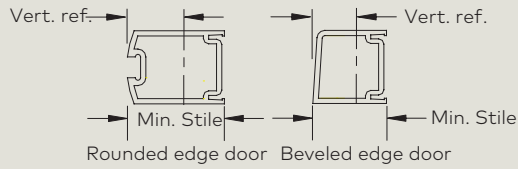
Vert. ref.   Vert. ref.

Min. Stile   Min. Stile

Rounded edge door   Beveled edge door

Type of installation	Minimum vertical ref. of chassis	Minimum Stile	
		Pull only	"Z" trim
Single door 13mm blade stop	32mm	52mm	59mm
Pairs and double egress	32mm	51mm	54mm

Latch case prep (Top & Bottom)

℄ Latch

26mm Narrow stile

10mm

3mm

Top of Door

19mm

"Cutout" Top of door only.

38mm

84mm

5.5mm Dia. hole 82 degree countersink to 10mm dia. (2) places

Panic device (aluminum door)

℄ Latch & chassis

51mm Minimum

37mm

38mm

22mm

29mm

19mm

5.5

℄ Latch

22mm

11mm

19mm

M5 Tap 3mm Pilot for timber door (6)

38mm

73mm

Panic device (metal and timber door)

9

Optional electric functions

Motorised Latch Retraction Specify suffix MLR

A motor concealed in the touchbar provides instantaneous retraction of the latchbolt to provide access from the secure side of the door. Remote control can be accomplished with switching devices such as key switches, card readers etc. that provide a normally open or closed electrical contact. The MLR unit can also be used for electronically dogging the bar open.

For Automatic functions, the 9000 MLR device can be paired on an opening with dormakaba ED100 and ED250 automatic operators.

Because of its' low amperage draw (under 1 A), the MLR feature can be powered by a DORMA ED100 or ED250 automatic operator thus removing the need for a separate power supply unit.

Technical Data

Motor rated at 1 A 24 VDC

When activated drawing in touchbar: 0.88 A

Electric dogging continuous 0.4 A

- Size "AA" device fits 1220mm wide door, can be cut to door 838mm wide on site
- Size "CC" device fits 915mm wide door, can be cut to door 610mm wide on site

Monitor Switch Specify suffix MS. A micro switch in the touchbar assembly which provides local and/or remote notification when the touchbar is depressed. 2 single pole double throw switches, 0.50 Amp 28VDC.

Latch Monitor Specify suffix LM. A micro switch attached to the device chassis on 9000 Series units only, provides local and/or remote notification of movement of the panic bolt rods and latchbolt without depressing the touchbar.

40PSU9000MLR Power supply

The 40PSU9000MLR Power Supply has an inbuilt timer module and is capable of powering and controlling 2no. 9000 Series Panic Devices with MLR Motorised Latch Retraction.
Input 230VAC +10%-15% 500mA

Output Current 4A

Output Voltage 24-26VDC

- **Minimum** recommended wire size is 18#GA (1.02mm).
  Terminals will handle up to 12#GA (2.05mm)
- **Maximum** wire run distance is 30m between device and ADPS501 power supply with 12#GA wire
- **Maximum** wire length from power supply to device and back in metres/wire gauge
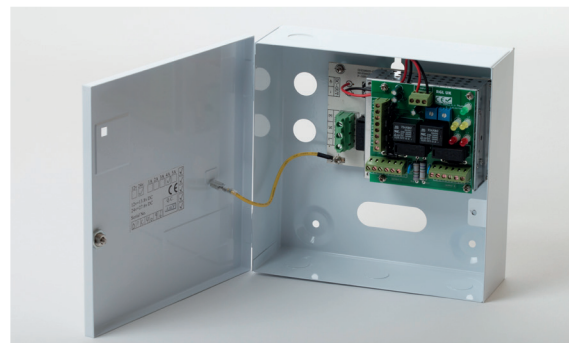
18#GA = 7.5m,	16#GA = 15m,	14#GA =22.5m,	12#GA = 30m
1.02mm	1.29mm	1.63mm	2.05mm

Battery alarm panic device

9000 Series panic devices are available in an integral battery powered alarm configuration. The 90 decibel alarm contained in the panic device touchbar and rail assembly activates when the touchbar is depressed and sounds continuously until the battery is completely discharged. Alternatively, a factory-furnished option allows the alarm to sound for four minutes, then automatically re-arms.

Furnished with and controlled by a lock cylinder and key, the unit allows ten seconds to exit through the door after arming the alarm, indicated by an intermittently flashing red L.E.D. light in the touchbar. A yellow L.E.D. in the touchbar will flash, until manually reset by key, to indicate an unauthorised exit even if the alarm has automatically reset.

The unit is furnished with a 9-Volt, industrial grade battery concealed in the end cap assembly for easy replacement. A tamper-proof switch will activate the alarm if unauthorised removal of the battery is attempted. An option for 12- or 24-Volt direct power wiring is available.

- Specify suffix "BPA" to 9000 Series model number for Battery Alarm Device
- Specify suffix "BPAR" for 4 minute auto reset Battery Alarm Device
- Specify suffix "DWA" for direct hard-wired option
- Size "AA" device fits 1220mm wide door, can be cut to door 864mm wide on site
- Size "BB" device fits 915mm wide door, can be cut to door 712mm wide on site

EMERGENCY EXIT ONLY
PUSH TO OPEN ALARM WILL SOUND

Battery alarm device

Outside entry functions and key operated trims

9000 Series panic devices are available with a variety of outside entry functions and operating trim.

Specific type cylinder requirement varies by the function selected. Refer to the details specified with each trim and function outlined below. Cylinders are not included.
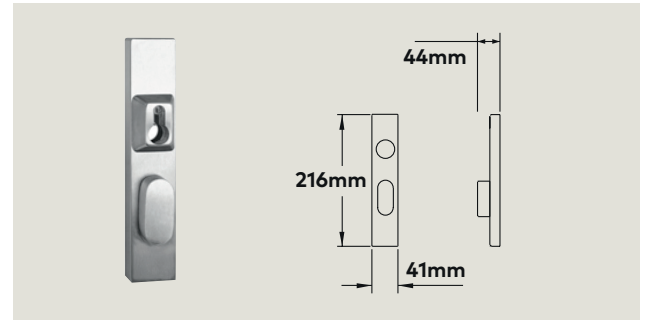
ZP11/ZP12
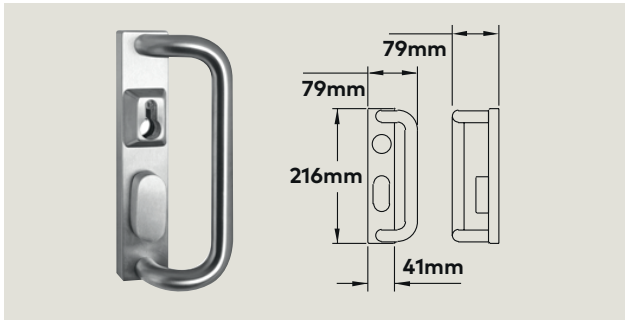
Function 11-Entrance by thumbturn and pull – Key locks or unlocks thumbturn.

Function 12-Entrance by thumbturn and pull only when released by key – Key removable only when locked.

ZO11/Z012

Function 11-Entrance by thumbturn and pull – Key locks or unlocks thumbturn.

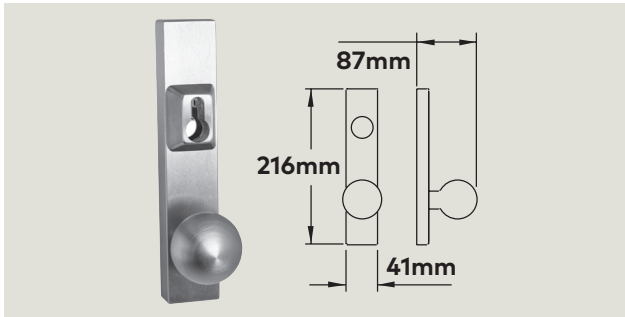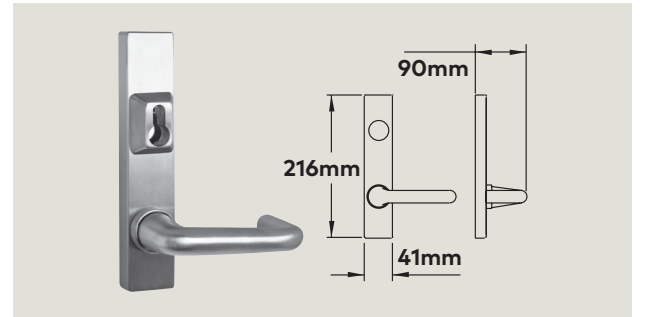**Function 12-Entrance by thumbturn and pull only when released by key** – Key removable only when locked.

ZK08/ZK09

Function 08-Lockable Knob – Key locks or unlocks knob which retracts latchbolt.

**Function 09-Lockable Knob –** Same as 08 function but key removable only when locked.

ZT08/ZT09

Function 08-Lockable Lever – Key locks or unlocks lever which retracts latchbolt.

Function 09-Lockable Lever – Same as 08 function but key removable only when locked.
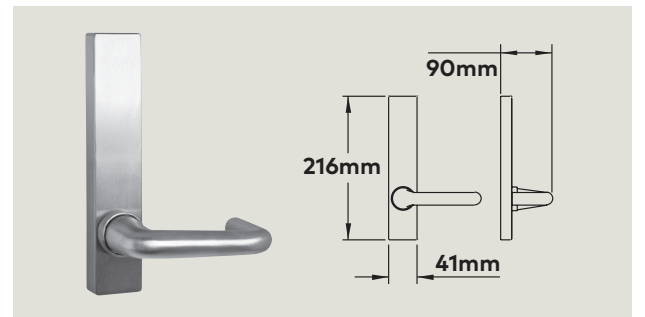
Note: Both 08 and 09 functions are provided with each knob or lever set and the choice of function is determined at installation by assembling the appropriate locking tab on the trim.

ZK23
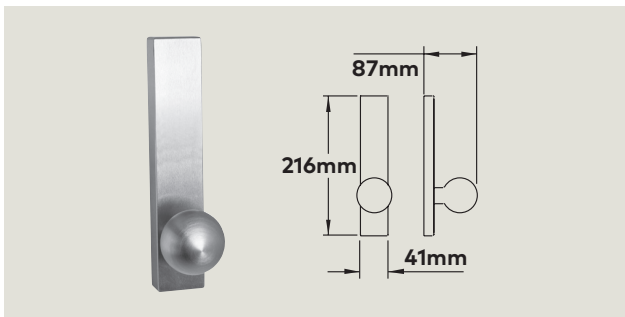
**Function 23-Active Knob –** Knob retracts latchbolt, always unlocked.

ZT23

Function 23-Active Lever – Lever retracts latchbolt, always unlocked.

Outside entry functions and pushbutton operated trims

9000 Series panic devices are available with a variety of outside entry functions and operating trim, including knob and lever sets. Mechanical and electronic pushbutton locks eliminate problems and costs associated with issuing, controlling, and collecting keys and cards. Please note that for pushbutton locks, the 9000 series wide stile exit devices are required.

PowerPlex 2000
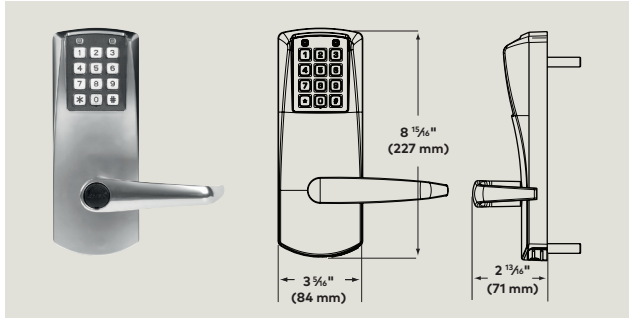
8 ¹⁵⁄₁₆"
(227 mm)

3 ⁵⁄₁₆"
(84 mm)

2 ¹³⁄₁₆"
(71 mm)

Exterior access by Valid pin code, while allowing free egress. Up to 100 access pin codes programmed via keypad or with optional Microsoft Excel-based software. Non-handed, Self powered (environmentally friendly), key override.
CE marked to EN1125 with exit devices 9300/9400

PowerPlex based on the PowerStar technology, utilizes new capacitor technology to store power longer and more efficiently, pressing the first button of your code wakes up the lock.

• No batteries to replace saves money and helps the environment
• Provides lower cost of ownership- no ongoing costs
• Easy to install,use and maintain

E-Plex 2000

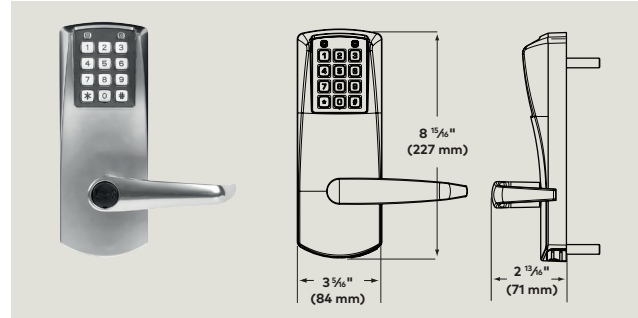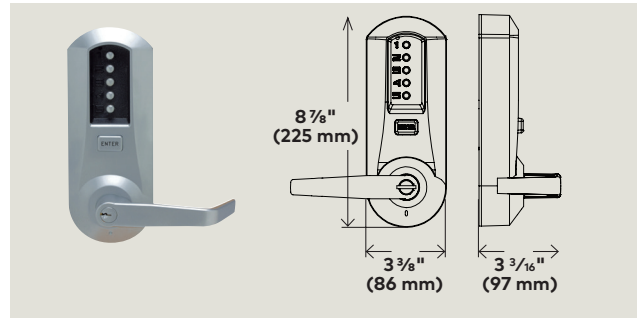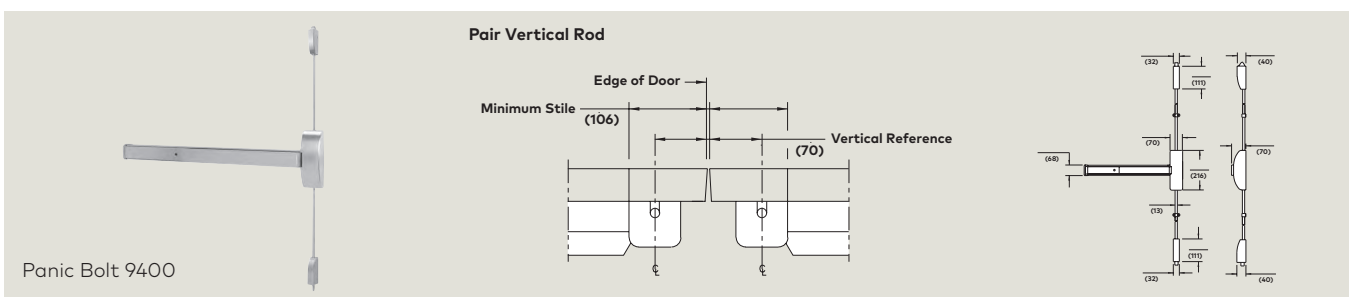8 ¹⁵⁄₁₆"
(227 mm)

3 ⁵⁄₁₆"
(84 mm)

2 ¹³⁄₁₆"
(71 mm)

Exterior access by Valid pin code, while allowing free egress. Up to 100 access pin codes programmed via keypad or with optional Microsoft Excel-based software. Non-handed, Battery powered, key override.
CE marked to EN1125 with exit devices 9300/9400

Simplex 5000

8 ⅞"
(225 mm)

3 ⅜"
(86 mm)

3 ³⁄₁₆"
(97 mm)

Exterior access by Valid pin code, while allowing free egress. One access pin code programmed via keypad. Non-handed, mechanical lock, key override.
CE marked to EN1125 with exit devices 9300/9400

Wide stile exit devices

Panic latch 9300

(68)   (70)   (70)   (216)

Edge of Door
Minimum Stile
(108)
Vertical Reference
(71)

Panic Bolt 9400

Pair Vertical Rod

Edge of Door
Minimum Stile
(106)
Vertical Reference
(70)

(32)   (40)
(111)
(70)   (70)
(68)   (216)
(13)
(111)
(32)   (40)
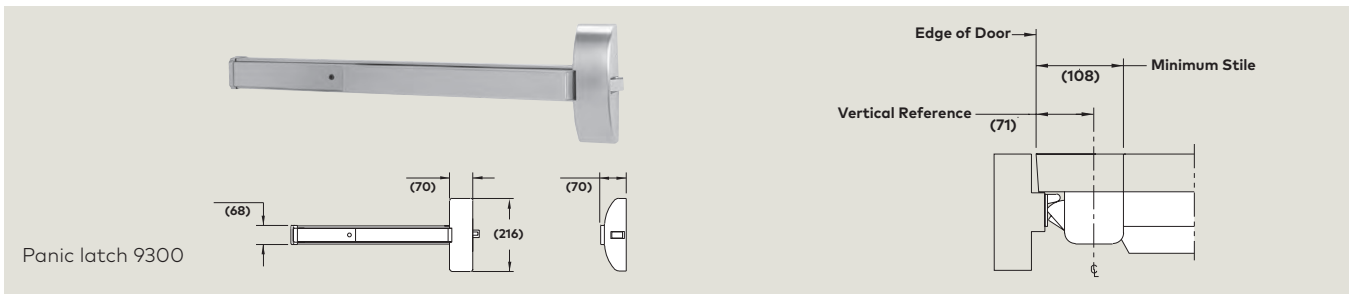
TGD glass kits

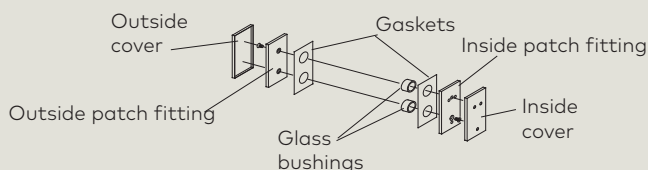- Suitable for 10-15mm thick Glass
- Stainless Steel Finish Only
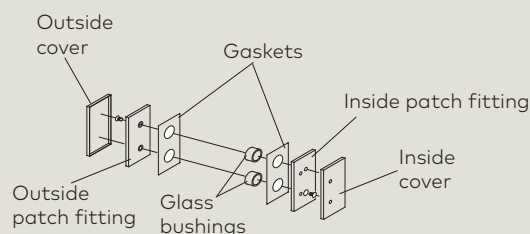- 9800TGDZODT630 Stainless Steel Glass Door Kit with ZODT Blank External Plate

For external operation add
- ZT08630TGD Stainless Steel Lever Handle for Glass Doors
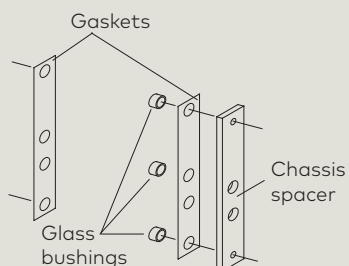- ZK08630TGD Stainless Steel Knob for Glass Doors

Glass patch fitting parts

Outside cover
Gaskets
Inside patch fitting
Outside patch fitting
Inside cover
Glass bushings

Top bolt patch fitting assembly, mounting screws provided with patch fitting.

Gaskets
Chassis spacer
Glass bushings

Chassis patch fitting assembly mounting screws provided with chassis assembly outside trim required.

Outside cover
Gaskets
Inside patch fitting
Inside cover
Outside patch fitting
Glass bushings
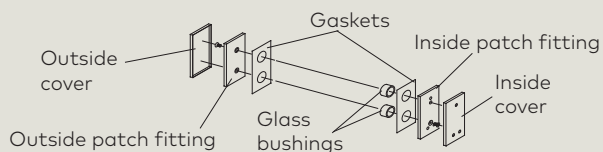
Bottom bolt patch fitting assembly, mounting Screws provided with patch fitting.

Outside cover
Gaskets
Inside patch fitting
Outside patch fitting
Glass bushings
Inside cover

End cap fitting assembly, mounting, screws provided with patch fitting.

Keeper Fitting PT30SPL
Used when the opening has a glass transom above the door. (optional)

Keeper
Stop
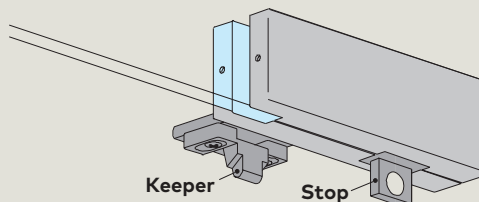
Note: Patch fitting torque of no more than 12Nm for attachment to glass door.

Glass preparation

3 mm

53.5mm

45mm

20mm
2 Places

70mm

36.5mm

22.5mm
45 mm

20 mm
2 Places

16 mm
3 Places

1106 mm

1011 mm

915 mm

45 mm

37 mm

20 mm
2 Places

Finished floor
or threshold

6 mm

Note increased backset

**Refer to maximum and minimum fixing centers for bar sizes on glass
doors due to increased backsets**

Glass preparation with PT30SPL

Note increased backset

Refer to maximum and minimum fixing centers for bar sizes on glass doors due to increased backsets

Specifications

9700 rim panic latch with heavy duty, full door width touchbar, deadlocking stainless steel latchbolt, and hex key dogging.

9800 surface panic bolt with heavy duty, full door width touchbar, top deadlocking pullman type latchbolt, bottom slide bolt, and hex key dogging.

9600 concealed panic bolt with heavy duty full door width touchbar, top deadlocking pullman type latchbolt, bottom slide bolt, and hex key dogging.

9300 wide stile rim panic latch with heavy duty, full door width touchbar, deadlocking stainless steel latchbolt, and hex key dogging. Wide stile for use with pushbutton operating trims.

9400 wide stile surface panic bolt with heavy duty, full door width touchbar, top deadlocking pullman type latchbolt, bottom slide bolt, and hex key dogging. Wide stile for use with pushbutton operating trims.

Options
CD Cylinder Dogging
LD Less Dogging
ES Electric Latchbolt Retraction
MS Monitor Switch in Touchbar
LM Latchbolt Monitor
BPAR Battery Alarm Device (time-limited alarm)

BPA Battery Alarm Device (continuous alarm)
DWA Battery Alarm Device (direct wired)
P Clear Powder Coat (anti-corrosive)
M Anti-microbial Protected Coating

Finishes description

9000 series panic device and outside trim

Standard finishes

Designation	Panic Device	Outside Trim
605	Polished, lacquered brass	Polished, lacquered brass
625	Polished chrome	Polished chrome
630	Satin stainless steel	Knob/Lever: Satin stainless steel
		Escutcheon: Satin nickel

Optional finishes

Designation	Panic Device	Outside Trim
606	Satin, lacquered brass	Satin, lacquered brass
611	Polished, lacquered brass	Polished bronze
612	Satin, lacquered bronze	Satin bronze
613	Satin, dark oxidised, oil rubbed bronze	Satin, dark oxidised, oil rubbed bronze

Keypad locking trim finishes

PowerPlex 2000 series

606 Satin brass (04) Housings and levers
626 Satin Chrome (26D) Housings and levers

E-Plex 2000 series

606 Satin brass (04) Housings and levers
626 Satin Chrome (26D) Housings and levers
744 Dark Bronze (10B) Levers with brass accents

5000 series

Standard finishes

Designation	Panic Device	Outside Trim
626	Satin Chrome (26D)	Housings and levers
676	Black housings with Satin Chrome 626 (26D)	Levers and accents

Optional finishes

| Designation	Panic Device	Outside Trim
605	Bright Brass (03)	Housings and levers
606	Satin brass (04)	Housings and levers
625	Bright Chrome (026)	Housings and levers
744	Dark Bronze	Housings and levers

Our products

Mechanical Key Systems

Systems that enable access rights and key control to all rooms within the premises

Door Hardware

Solutions for residential or commercial projects
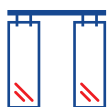
Interior Glass Systems

System solutions made from glass for a wide range of everyday and office applications

Entrance Systems

Automated access solutions for convenient access to buildings

Lodging Systems

Hotel locks and locking systems as well as access management solutions for holiday homes

Safe Locks

Security locks for preventing unauthorized access to goods, valuables, information or hazardous substances

Electronic Access & Data

Electronic access control and workforce management for efficient access management, security and data collection

Services

Tailor-made services and customized maintenance for long-term functional integrity of access and security solutions

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