



ARRONE[®]
Door Controls

Contents

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Standard Finishes



Silver (SE)



Gold (GE) &
GAA

Metallic Finishes



Satin
Aluminium
(SAA)



Polished
Aluminium
(PAA)



Polished
Brass (PB)



Polished
Stainless
Steel/
Chrome
(PSS/PCH)



Satin
Stainless
Steel/
Chrome
(SSS/SCP)

RAL Colours



Golden
Yellow
RAL 1004



Cobalt Blue
RAL 5002



Flint Grey
RAL 7043



Diamond
White
RAL 9016



Red Rouge
RAL 3003



Midnight
Blue
RAL 5003



Manhattan
Grey
RAL 7506



Black
(Ebony)
RAL 9017



Claret
RAL 3005



Green
(Viridian)
RAL 6016



Brown
(Sienna)
RAL 8017

Introduction



The ARRONE® Door Control Collection offers a comprehensive range of both mechanical and electronic door controls. Manufactured using the latest engineering techniques and built to the highest quality by ISO 9002 registered companies in order to meet the latest European industry standards and certification.

In addition to performance and durability, style and elegance are further features of the ARRONE® Door Closer Collection.

Offering a choice of three metal covers: conventional rectangular, radius and designer all available in a range of standard finishes (silver & gold), 11 RAL colours or metal finishes which in many cases can also be complemented with matching armsets.

ARRONE® Door Controls are offered in a wide range of applications, functions and finishes most of which are supported by a ten year guarantee period.

10 YEAR GUARANTEE

Applications

Fig 1 Application

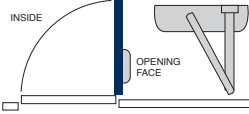
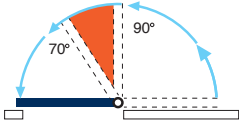
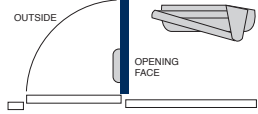


Fig 61 Application
Transom Fixing

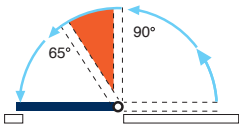


Fig 6 Application



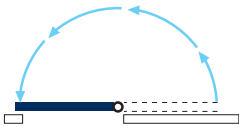
Backcheck

Backcheck offers resistance to opening between 70° and 90° when the door is opened with excessive force. Useful in all situations. Helps prevent damage to building and door frames, particularly where opening is restricted. NOTE: Backcheck is not a substitute for door stops which should be fitted wherever possible.



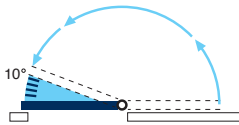
Delayed Action

Delayed Action slows down the closing speed of the door between approx 90° and 65°. The amount of delay can be adjusted and de-activated altogether. Ideally suited for applications, such as care homes, where people need a greater length of time to exit doorways.



Controlled Closing

All ARRONE® door closers have an adjustment valve which allows the closing speed to be controlled. This is effective throughout the whole closing cycle except where delayed action or latch action are activated.



Latch Action

Latch action provides for the adjustment of the last 10° (approx) of the closing cycle. This allows the closer to be adjusted to overcome a latch or intumescent seal.













Slide Arm Application

Can be used where it is undesirable to have a projecting arm. Consists of a single arm connected to a channel mounted above the door. (Not suitable for doors with projecting architraves).

Drop Plate

Allows a door closer to be fitted where the top rail of the door is too narrow to allow normal fitting. The drop plate is first attached to the door and then the closer attached to the drop plate.

ARRONE® Door Closers are available with the following cover options:

Door Closer	Available in:			
	Square	Radius	Designer	Avanté
Avanté 1				
Avanté 2				
AR8300				
AR1995				
AR3500				
AR8500				
Avanté 4				
AR1998				
AR7500				
AR6900				
AR1000				
Avanté 3				
AR5400				

BS EN1154:1997 – The European Standard for the performance of controlled door closing devices.



Providing details on product types, classification by use, test cycles, door mass, corrosion resistance, as well as definitions, product performance requirements, test apparatus, test methods and marking of products.

BS.EN1154:1997 Classifies door closers by using a 6 digit coding system.

1	2	3	4*	5	6
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1

Digit 1 - Category of use

- Grade 3: For closing doors from at least 105° open
- Grade 4: For closing doors from 180° open

2

Digit 2 - Number of test cycles

- Grade 8: 500,000 cycles

3

Digit 3* - Test Door Mass/Size

- Where a door closer provides a range of power sizes both the minimum and maximum shall be identified.

* Door size/mass in accordance with BS.EN1154:1997

4*

Digit 4 - Fire Behaviour

- Grade 0: Not suitable for use on fire/smoke door assemblies
- Grade 1: Suitable for use on fire/smoke door assemblies, subject to satisfactory testing and assessment (See BS EN1634 Part 1: 2000)

5

Digit 5 - Safety

- All door closers are required to satisfy the essential requirements of safety in use. Therefore only Grade 1 is identified.

6

Digit 6 - Corrosion Resistance

- Grade 0: No defined resistance
- Grade 1: Mild resistance
- Grade 2: Moderate resistance
- Grade 3: High resistance
- Grade 4: Very High resistance

BS EN1155:1997 – The European Standard for the performance of electrically powered hold open devices for swing doors.

This standard again provides details on product types, classification by use, test cycles, door mass, corrosion resistance, as well as definitions, product performance requirements, test apparatus, test methods and marking of products.



BS EN1155:1997 classifies products using the same 6 digit coding system as outlined in BS EN1154:1997. The only difference being box 3 where BS EN 1154 refers to durability, BS EN1155 refers to hold open power size.

Performance: In accordance with BS EN1154 - BS EN1155

Power Size	Max Door Width	Max Door Weight
2* (A)	850mm	40kg
3 (B)	950mm	60kg
4	1100mm	80kg
5	1250mm	100kg
6	1400mm	120kg

- A. Not to be used on fire resisting doorsets.
- B. Not recommended for fig 6 application on fire resisting doorsets. Size 4 should be used.

*Size 2 not applicable to BE EN1155.

BS EN1154 - BS EN1155 test reports and certificates are available upon request.

Fire & Safety Standards & Certification



BS EN1634 Part 1:2000

The European Fire Safety Standard for determining the fire resistance of door and shutter assemblies including hardware designed for installations within openings incorporated in vertical separating elements (doorsets).

Door controls can be accessed to be suitable for use on*:

- FD30 (30 minute) Fire Doors
- FD60 (60 minute) Fire Doors
- FD90 (90 minute) Fire Doors
- FD120 (120 minute) Fire Doors

* See Digit 4 BS.EN1154:1997



Fire Doors – Door Controls

The UK Construction Products Regulations require door controls for use on fire doors to be safe and durable.

British/European standards BS EN1154/1155 are the recognised way of demonstrating compliance and they require that an Official Notified Certified Body proves both the product and the manufacturers factory production controls, before C.E. Marking can be applied.

WITH EFFECT FROM OCTOBER 2003 EUROPEAN LAW RECOMMENDS ALL RELEVANT DOOR CLOSING DEVICES BE C.E. MARKED WHEN FITTED TO A FIRE DOOR.



CERTIFIRE

An independent third party scheme providing high quality voluntary product conformity certification for the passive fire sector.

Construction & Suitability Standards

C.E. Marking

C.E. Marking is the easiest route to providing compliance with the latest UK Construction Products Regulations for ironmongery used on fire, smoke and escape route doors.



C.E. Marking indicates that the product has been 3rd party performance/fire tested where applicable and is produced in a factory which has satisfactory production control systems. All of these have to be assessed by an authorised certification organisation.

BS 8300 & Approved Document M Door Controls



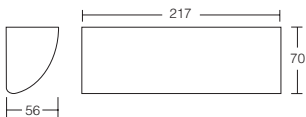
The latest updates to BS8300 and DOC M (March 2005) in relation to ironmongery contain the following recommendation with regard to door operating forces, quoting a maximum figure of 30N opening force when measured at 0° (closed) - to 30° and 22.5N when measured between 30° and 60° open. It is preferable that backchecks should not operate before about 80° open and that the max closing force should occur between 0° and 15° of final closing.

It is recommended that doors should also be fitted with high performance hinges which can contribute less than 1N friction per hinge.

NB: It should also be noted that when official testing is carried out it is done so under laboratory conditions. Therefore it is not possible to say that the same doorset and associated hardware which conforms in one location will perform identically in another as other local conditions may apply (smoke and intumescent seals along with differential air pressures being the main factors and consideration).

High Efficiency Door Closers

Avanté One Door Closer – Power Size 3-4 Variable by Template



Application

The revolutionary cam and roller mechanism featured in Avanté Series door closers make them ideal for use in public buildings such as hospitals, nursing homes, surgeries etc where easy opening is essential.

Standards and Certification



4	8	$\frac{3}{4}$	1*	1	3	10 YEAR GUARANTEE
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Standard Features

- Power size variable 3-4 by template in accordance with BS EN1154:1997
- Suitable for doors up to 1100mm wide/80kg weight
- Extruded aluminium body
- Cam and roller mechanism
- Universal application
- Fixed arm
- Adjustable closing speed and latch action
- Aluminium slide cover and end caps

Options

- Backcheck

Cover, Arm & End Cap Finishes

- Silver
- Polished Brass
- Polished & Satin Aluminium
- Polished & Satin Stainless Steel,
- RAL Colours

This product can satisfy the opening force recommendations of BS 8300 and Approved Document 'M'.



However consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure they still meet the recommendations in situ.

Avanté Two Door Closer – Power Size 2-5 Adjustable

Application

The revolutionary cam and roller mechanism featured in Avanté Series door closers make them ideal for use in public buildings such as hospitals, nursing homes, surgeries etc where easy opening is essential.

Standards and Certification



4	8	$\frac{2}{5}$	1*	1	3	10 YEAR GUARANTEE
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Standard Features

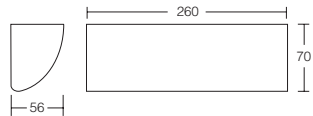
- Power size adjustable 2-5 in accordance with BS EN1154:1997
- Suitable for doors up to 1250mm wide/100kg weight
- Cam and roller mechanism
- Universal application
- Fixed arm
- Adjustable closing speed and latch action
- Aluminium slide cover and end caps
- Backcheck

Options

- Delayed action
- Hold open arm (not to be used on fire resisting door sets)

Cover, Arm & End Cap Finishes

- Silver
- Polished Brass
- Polished & Satin Aluminium
- Polished & Satin Stainless Steel,
- RAL Colours



This product can satisfy the opening force recommendations of BS 8300 and Approved Document 'M'.

However consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure they still meet the recommendations in situ.

High Efficiency Door Closers

AR8300 Series Door Closer Adjustable Power Size 2 - 5



Application

A cam and roller mechanism door closer combined with the elegant 'designer' metal cover, makes the AR8300 Series ideal for use on many high frequency doors in public buildings such as hospitals, nursing homes, surgeries schools along with other commercial applications where style finish and performance are required.

Standards and Certification



4	8	$\frac{2}{5}$	1*	1	3	10 YEAR GUARANTEE
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Standard Features

- Power size adjustable 2-5 in accordance with BS EN1154:1997
- Suitable for doors up to 1250mm wide / 100kg weight
- Cam and roller mechanism
- Universal application
- Adjustable closing speed and latch action
- Adjustable arm
- Supplied with full metal Designer cover

Options

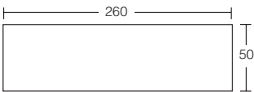
- Backcheck
- Delayed action
- Hold open arm (not to be used on fire doors)

Cover Finishes

Silver, Gold, Polished Brass, Polished and Satin Stainless Steel/Chrome, RAL Colour

Arm Finishes

Black, Silver, Polished Brass, Polished and Satin Stainless Steel/Chrome



This product can satisfy the opening force recommendations of BS 8300 and Approved Document 'M'.



However consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure they still meet the recommendations in situ.

AR1995 Series Door Closer Fixed Power Size 3 or 4

Application

The AR1995 Series combines the elegance of our traditional radius metal cover with a proven and reliable cam and roller mechanism. They are ideally suited for medium frequency doors in public buildings and other commercial applications where style finish and performance are required.

Standards and Certification



FIRE TEST. Suitable for 30 mins, 1 hour & 2 hour fire doors
BS EN1634



Successfully type tested for conformity to all the requirements of
BS EN1154:1997



4	8	3	1*	1	3
4	8	4	1*	1	3

10 YEAR GUARANTEE

Standard Features

- **Size 3:** Power size 3 in accordance with BS EN1154 – Suitable for use on doors up to 950mm wide/60kg weight
- **Size 4:** Power size 4 in accordance with BS EN1154 – Suitable for use on doors up to 1100mm wide/80kg weight
- Extruded aluminium body
- Cam and roller mechanism
- Universal application
- Fixed arm
- Adjustable closing speed and latch action
- Radius metal cover

Options

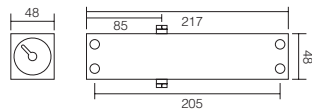
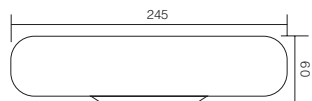
- Backcheck
- Delayed action
- Plated arms
- Slide arms
- Hold open arms (not to be used on fire resisting door sets)
- Drop plates

Cover Finishes

Silver, Gold, Polished Brass, Polished and Satin Stainless/Chrome, RAL colours

Arm Finishes

Black, Silver, Polished Brass, Polished and Satin Stainless/Chrome, RAL colours



This product can satisfy the opening force recommendations of BS 8300 and Approved Document 'M'.



However consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure they still meet the recommendations in situ.

High Efficiency Door Closers

AR3500 Series Door Closer – Power Size 2-4 Adjustable



Application

The ARRONE® 3500 Series Door Closer is now established within the market and is widely specified. By combining the much sort after options of backcheck and delayed action within the standard unit, the AR3500 Series provides the flexibility often required at installation. Also built into the unit is the power adjustment feature which allows the closer to be set to the variable door weight.

The choice of three metal covers, rectangular, radius and designer all available in a wide range of finishes and colours, fully enhance the aesthetics of this model which is suitable for high frequency commercial applications.

Standards and Certification



FIRE TEST. Suitable for 30 mins, 1 hour & 2 hour fire doors
BS EN1634



Successfully type tested for conformity to all the requirements of
BS EN1154:1997



3	8	$\frac{2}{4}$	1*	1	4
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10 YEAR GUARANTEE



This product can satisfy the opening force recommendations of BS 8300 and Approved Document 'M'.



However consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure they still meet the recommendations in situ.

AR3500 Series Door Closer – Power Size 2-4 Adjustable

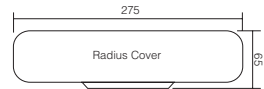
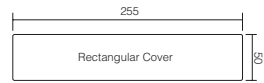
Standard Features

- Power size adjustable 2-4 in accordance with BS EN1154:1997
- Suitable for use on doors up to 1100mm wide/80kg weight
- Diecast body
- Rack and pinion mechanism
- Universal application
- Adjustable snap-arm - easy-fix
- Backcheck
- Delayed action
- Adjustable closing speed and latch action



Options

- Designer, radius or rectangular metal cover
- Plated arms
- Plated fig 6 brackets
- Hold open arms (silver and black only), (not to be used on fire resisting door sets)

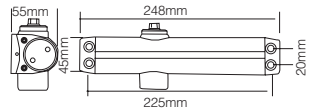


Optional accessories

- Plated arms
- Drop plates

Cover Finishes

- Silver, Gold
- Polished Brass
- Polished and Satin Stainless/Chrome
- RAL colours



Arm Finishes

- Black
- Silver
- Polished Brass
- Polished and Satin Stainless/Chrome
- RAL colours

High Efficiency Door Closers

Electromagnetic Door Controls

AR8200/AR8500 Series Door Closer
Power Size 2-4 Variable by Template

AR8200 – without cover

AR8500 – with cover

Application

The new AR8200 Series unit combined with our new 'mini-designer' cover (AR8500) will enhance the appearance of many medium frequency doors in public buildings and other commercial applications where style finish and performance are required.

Standards and Certification



3	8	$\frac{2}{4}$	1*	1	3
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10 YEAR GUARANTEE

Standard Features

- Power size 2-4 variable by template in accordance with BS EN1154:1997
- Suitable for use on doors up to 1100mm wide/80kg weight
- Variable power size 2-4
- Extruded aluminium body
- Rack & pinion mechanism
- Universal application
- Adjustable snap arm - easy fix
- Adjustable closing speed and latch action
- Designer metal cover (AR8500 model only)

Options

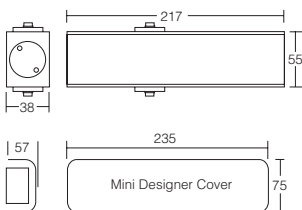
- Plated arms

Finishes – AR8200 (Matching Arms)

Silver, Gold

Finishes – AR8500 (Black Arms)

Silver, Gold, Polished Brass, Polished Stainless Steel/Chrome, Satin Stainless Steel/Chrome and RAL Colours.



This product can satisfy the opening force recommendations of BS 8300 and Approved Document 'M'.



However consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure they still meet the recommendations in situ.

Avanté Four – Electromagnetic Door Closer Power Size 3-4 Variable by Template

Application

Elegant solution for Inclusive Design. This electromagnetic closer will hold the door open until activated by the fire alarm.

Standards and Certification



3	8	4	1*	1	3
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GUARANTEE
10 YEAR MECHANICAL
2 YEAR ELECTRICAL

Standard Features

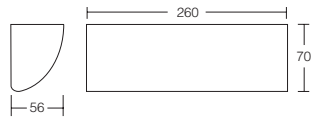
- Power size 3-4 by template in accordance with BS EN1155:1997
- Suitable for use on doors up to 1100mm wide/80kg weight
- Cam and roller mechanism
- Universal application
- Adjustable Arm
- Adjustable closing speed and latch action
- Voltage 24v DC (requires a transformer)
- Aluminium slide cover and end caps
- On site selection hold open – swing free
- Supplied with armoured loop and test switch terminal box for testing purposes

Accessories

Transformer rectifier units to suit 1-10, 1-30 or 1-50 units

Cover, Arm & End Cap Finishes

- Silver
- Polished Brass
- Polished & Satin Aluminium
- Polished & Satin Stainless Steel,
- RAL Colours



This product can satisfy the opening force recommendations of BS 8300 and Approved Document 'M'.



However consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure they still meet the recommendations in situ.

Electromagnetic Door Controls

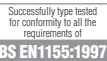
1998 Series – Electromagnetic Door Closer Power size 3-4 Variable by Template



Application

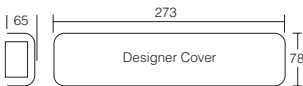
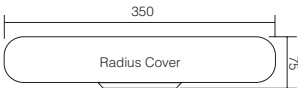
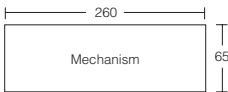
Ideal for use in Hospitals, Nursing and Convalescent Homes. Often used in conjunction with a detector/alarm system. When used in hold open or swing free application the door will automatically close upon the activation of the fire alarm or power failure.

Standards and Certification



3	8	$\frac{3}{4}$	1*	1	3
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GUARANTEE
10 YEAR MECHANICAL
2 YEAR ELECTRICAL



Standard Features

- Variable power size 3-4 by template in accordance with BS EN1155:1997
- Suitable for use on doors up to 1100mm wide/80kg weight
- Extruded aluminium body
- Cam and roller mechanism
- On site selection of either swing free or hold open application
- Universal application
- Flexible link and terminal box
- Switch for testing purposes
- Adjustable arm
- Adjustable closing speed and latch action
- Voltage 24v DC (requires a transformer)
- Radius or designer metal cover

Accessories

Transformer rectifier units to suit 1-10, 1-30 or 1-50 units

Cover Finishes

Silver, Gold, Polished Brass, Polished and Satin Stainless/Chrome, RAL Colours

Arm Finishes

Silver, Gold, Polished Brass, Polished and Satin Stainless/Chrome, RAL Colours

This product can satisfy the opening force recommendations of BS 8300 and Approved Document 'M'.



However consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure they still meet the recommendations in situ.

ARRONE® Electromagnetic Door Holders

Applications

Electromagnetic door holders are designed to hold the door in the open position allowing it to close when the FIRE ALARM is activated or the POWER FAILS. Recommended for use in conjunction with overhead door closers or floor springs.

PRODUCT REF	DESCRIPTION	FINISH
AR8087	Surface mounted door holder	White
AR8057	Floor mounting bracket	White
AR8159-CH	Flush Mounted Door Holder	Polished Chrome
AR8159-PB	Flush Mounted Door Holder	Polished Brass
AR8259-CH	Flush Mounted Door Holder with Switch	Polished Chrome
AR8259-PB	Flush Mounted Door Holder with Switch	Polished Brass

Accessories

Transformer rectifier units to suit 1-10, 1-30 or 1-50 units



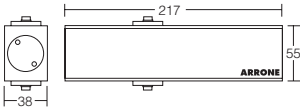
AR8159



AR8259

Standard Door Controls

AR7200 Series Door Closer – Power Size 2-4 Variable by Template



Application

This versatile slim-line unit makes it ideally suited for many medium frequency commercial applications where style, finish and performance are required.

Standards and Certification



3	8	$\frac{2}{4}$	1*	1	3	10 YEAR GUARANTEE
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Standard Features

- Power size 2-4 variable by template in accordance with BS EN1154:1997
- Suitable for use on doors up to 1100mm wide/80kg weight
- Extruded aluminium body
- Rack and pinion mechanism
- Universal application
- Adjustable snap arm - easy fix
- Adjustable closing speed and latch action
- Backcheck standard on plated finishes only (option on silver and gold)
- Matching arms

Options

- Backcheck on silver/gold units only (Please specify if required)
- Hold open arms (silver only), (not to be used on fire resisting door sets)

Finishes

Silver, Gold, Polished Brass (simulated), Polished & Satin Stainless/Chrome (simulated)

Finish	Backcheck	
	Standard	Optional
Silver		✓
Gold		✓
Polished Brass	✓	
Polished & Satin Stainless/Chrome	✓	

AR7500 Series Door Closer – Power Size 2-4 Variable by Template

Application

Combining the AR7200 mechanism with the new 'mini designer' metal cover makes the unit ideally suited for many medium frequency commercial applications where style, finish and performance are required.

Standards and Certification



3	8	$\frac{2}{4}$	1*	1	3	10 YEAR GUARANTEE
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Standard Features

- Power size 2-4 variable by template in accordance with BS EN1154:1997
- Suitable for use on doors up to 1100mm wide / 80kg weight
- Extruded aluminium body
- Rack and pinion mechanism
- Universal application
- Adjustable snap arm - easy fix
- Adjustable closing speed and latch action

Options

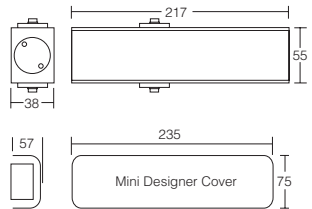
- Backcheck
- Hold open arms (silver only), (not to be used on fire doors)

Finishes

Silver, Gold, Polished Brass, Polished and Satin Stainless/Chrome, RAL Colours

Arm Finishes

Silver, Black



Standard Door Controls

AR6800 & AR6900 Series Door Closer – Power Size 3



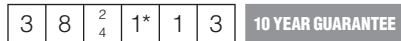
AR6800 – without cover **AR6900 – with cover**

Application

This traditional contract unit (AR6800) is widely used in many light frequency commercial applications (especially fire doors) where performance and reliability is required.

The addition of our 'mini-designer' metal cover (AR6900) further enhances this popular closer.

Standards and Certification



Standard Features

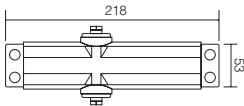
- Fixed Power size 3 in accordance with BS EN1154:1997 (Power size 3 achieved in both Fig. 1 & Fig. 6 application)
- Suitable for use on doors 950mm maximum / 60kg weight
- Rack & Pinion Mechanism
- Universal Application
- Adjustable snap arm - easy fix
- 6800 - Matching armset
- 6900 - Black Arm
- Adjustable Closing Speed / Latch Action

Finish - AR6800

Silver, Gold

Finish - AR6900

Silver, Gold, Polished Brass, Polished and Satin Stainless/Chrome, RAL Colours



AR400 Series Door Closer – Fixed Power Size 3

Application

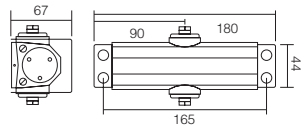
Suitable for light duty internal doors.

Standards and Certification



Standard Features

- Fixed power size 3 – Suitable for doors up to 950mm wide/60kg weight
- Diecast body
- Rack and pinion mechanism
- Universal application
- Adjustable arm
- Adjustable closing speed and latch action
- Matching armsets



Finishes

Silver, Gold

AR1000 Series Door Closer – Fixed Power Size 3

Application

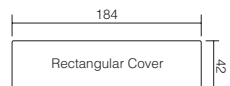
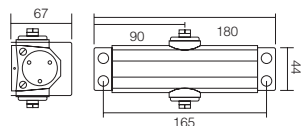
AR400 unit with small rectangular metal cover. Suitable for light duty internal doors.

Standards and Certification



Standard Features

- Fixed power size 3 – Suitable for doors up to 950mm wide/60kg weight
- Diecast body
- Rack and pinion mechanism
- Universal application
- Adjustable arm
- Adjustable closing speed and latch action
- Black arms



Cover Finishes

Silver, Gold, Polished Brass, Polished and Satin Stainless/Chrome, RAL Colours

Slide Arm Door Controls

Avanté Three – Slide Arm Door Closer Power Size 2-4 Adjustable



Application

This innovative cam and roller mechanism slide arm unit is suited to applications where pleasing aesthetics and additional safety is required. Ideally suited to schools where a projecting arm can lead to vandalism.

Standards and Certification



4	8	$\frac{2}{4}$	1*	1	3	10 YEAR GUARANTEE
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Standard Features

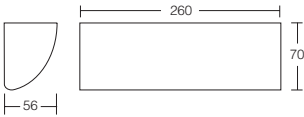
- Power size adjustable 2-4 in accordance with BS EN1154:1997
- Suitable for use on doors up to 1100mm wide/80kg weight
- Extruded aluminium body
- Cam and roller mechanism
- Universal application
- Slide arm
- Adjustable latch action and closing speed
- Aluminium slide cover and end caps

Options

- Backcheck

Cover, Arm & End Cap Finishes

- Silver
- Polished Brass
- Polished & Satin Aluminium
- Polished & Satin Stainless Steel,
- RAL Colours



AR5300/AR5400 Series 'Slide Arm' Door Closer Fixed Power Size 3

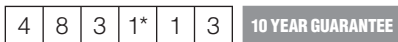
AR5300 – without cover

AR5400 – with cover

Application

This highly specified slide arm unit is suited to applications where pleasing aesthetics and additional safety is required. Ideally suited to schools where a projecting arm can lead to vandalism.

Standards and Certification



Standard Features

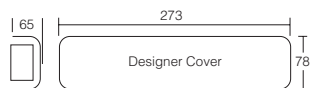
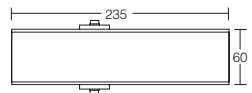
- Fixed power size 3 in accordance with BS EN1154
- Suitable for use on doors up to 950mm wide/60kg weight
- Extruded aluminium body
- Rack & pinion mechanism
- Adjustable closing speed and latch action
- Designer metal cover (AR5400 model only)

Finishes – AR5300

Silver, Gold

Finishes – AR5400

Silver, Gold, Polished Brass, Polished Stainless Steel/Chrome, Satin Stainless Steel/Chrome and RAL Colours



Door Selectors

Door Selector/ Co-ordinator Mk1 – AR226



Application

The ARRONE® door selector enables a pair of self-closing doors with rebated meeting stiles to close in correct sequence automatically, no matter which door is opened first, maintaining the fire resistant seal.

Standards and Certification

PERFORMANCE: Successfully type tested (1,000,000 cycles) in accordance with
BS EN1158

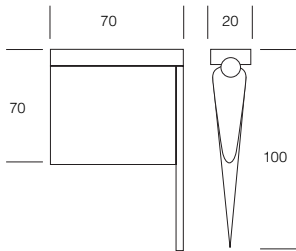
10 YEAR GUARANTEE

Features

- Suitable for use with power size 3-5 door closers
- Suitable for use on timber doors of any width up to 1220mm, and all standard thicknesses
- Suitable for rebates up to 25mm
- Extended arms available for special applications

Finishes

Satin anodised aluminium



Door Selector/Co-ordinator Mk2 – AR226/Mk2



Application

Whilst maintaining the feature benefits of the Mk1 model the new Mk2 version is now suitable for use on double rebated **fire doors**.

Standards and Certification

FIRE TEST: Suitable for 30 mins, 1 hour & 2 hour fire doors
BS EN1634



PERFORMANCE: Successfully type tested (1,000,000 cycles) in accordance with
BS EN1158

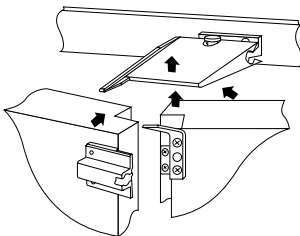
10 YEAR GUARANTEE

Features

- Surface mounted easy-fit
- Suitable for use with power size 3-5 door closers
- Suitable for use on timber doors of any width up to 1220mm and all standard thickness
- Suitable for rebates up to 25mm

Finishes

Silver, Gold, Polished Brass, Satin Stainless Steel and Polished Stainless Steel



AR1990 Concealed Chain Door Closer

Application

Suitable for use on 30 minute fire doors

Standards and Certification



Finishes

Electro Brass, Satin Chrome, Polished Chrome and Polished Brass

Royde & Tucker Hercules Domestic Door Closer – RT1991

Application

Suitable for internal doors

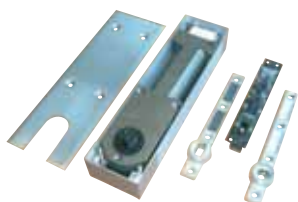
Finishes

White, Polished Brass & Satin Stainless Steel

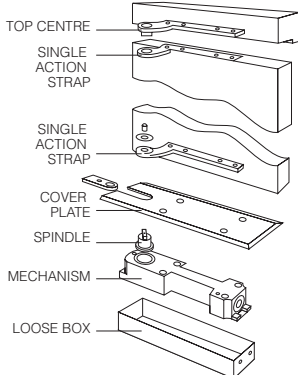


Floor Springs & Accessories

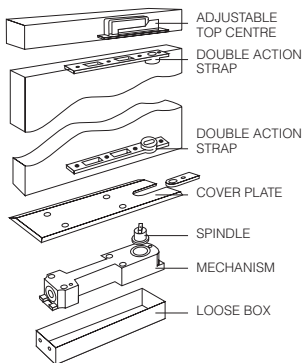
AR800 Size 1 to 4 Floor Spring



Single Action



Double Action



Application

An adjustable power unit which incorporates a proven cam action roller system combining smooth performance with reliability.

Standards and Certification



3	8	¹ / ₄	1*	1	3	10 YEAR GUARANTEE
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Features

- Adjustable power size 1-4 (max door width 1100mm/max door weight 300kgs)
- Closing Speed Adjustment Range: Adjustment can be made throughout whole of 360° range (180° for single action)
- Latch Adjustment Range: Latching action can be adjusted final 10° of closing
- Backcheck Range: Backcheck can be adjusted between 70° and 90° or deactivated
- Stand Open (optional extra): Doors will stand open 90°. This feature must not be used on fire resisting doors
- Gel packs for wet areas available

Available Kits:

Single Action Unit Complete with Accessories

- Comprises: Mechanism, Floor Box, Accessory Pack and Cover Plate

Double Action Unit Complete with Accessories

- Comprises: Mechanism, Floor Box, Accessory Pack and Cover Plate

Finishes:

Satin Stainless Steel, Polished Stainless Steel and Polished Brass

This product can satisfy the opening force recommendations of BS 8300 and Approved Document 'M'.



However consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure they still meet the recommendations in situ.

ARRONE® Floor Spring Accessories

Universal Mechanisms

PRODUCT REF	DESCRIPTION
AR800M	Universal floor spring mechanism only
AR800M-SO	Universal floor spring mechanism only – Stand open

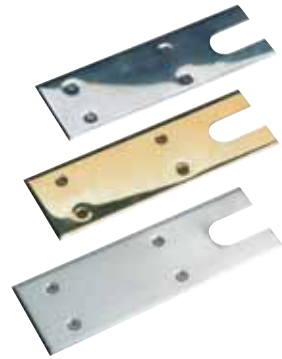


Cover Plates

PRODUCT REF	DESCRIPTION	FINISH
AR801-SSS	Universal cover plate	SSS
AR801-PSS	Universal cover plate	PSS
AR801-PB	Universal cover plate	PB

Single Action

PRODUCT REF	DESCRIPTION	FINISH
AR800-ACC-SA-SSS	Single action accessory pack	SSS
AR800-ACC-SA-PSS	Single action accessory pack	PSS
AR800-ACC-SA-PB	Single action accessory pack	PB
AR802-SSS	Single action bottom strap	SSS
AR802-PSS	Single action bottom strap	PSS
AR802-PB	Single action bottom strap	PB
AR804-SSS	Single action top centre	SSS
AR804-PSS	Single action top centre	PSS
AR804-PB	Single action top centre	PB

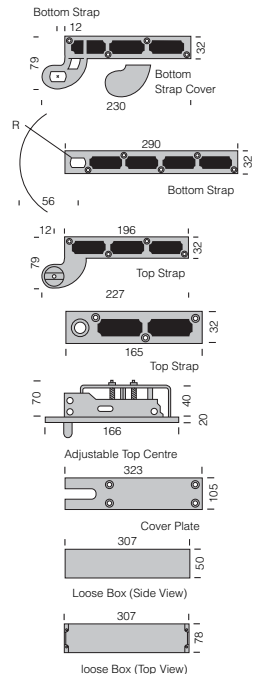


Accessory pack consists of 1 each Bottom Strap, Top Centre and Cover Plate

Double Action

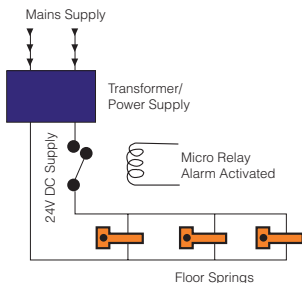
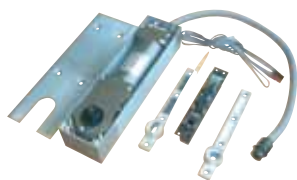
PRODUCT	DESCRIPTION	FINISH
AR800-ACC-DA-SSS	Double action accessory pack	SS
AR800-ACC-DA-PSS	Double action accessory pack	PSS
AR800-ACC-DA-PB	Double action accessory pack	PB
AR803-Z	Double action bottom strap	ZINC
AR805-SSS	Double action top centre	SSS
AR805-PSS	Double action top centre	PSS
AR805-PB	Double action top centre	PB

Accessory pack consists of 1 each Bottom Strap, Top Centre and Cover Plate



Floor Springs & Accessories

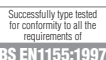
AR800EM Size 4 Electromagnetic Floor Spring (24v)



Application

Suitable for use on heavy duty fire resisting doors. Often used in conjunction with a detector/alarm system. When in hold open application the door will automatically close upon activation of the fire alarm or power failure.

Standards and Certification



3	8	4	1*	1	3
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GUARANTEE
10 YEAR MECHANICAL
2 YEAR ELECTRICAL

Standard Features

- Power size 4 suitable for doors up to 1100mm wide/300kg weight
- Electromagnetic hold open
- 24 volt DC power supply transformer rectifiers are available to operate up to 50 units
- Switch for timber/metal doors
- Temperature stabilised fluid, together with thermo-constant valve to overcome temperature variance
- Steel loose box with adjustable fittings (307mm x 78mm x 50mm deep)
- Available as single action or double action
- External Use Only: Electromagnetic floor springs MUST NOT be used in external or wet area applications

Cover Plate Finishes

Polished Brass, Polished Stainless Steel and Satin Stainless Steel

Accessories

Single and double action accessory packs. Transformer rectifier units to suit 1-10, 1-30 or 1-50 units



This product can satisfy the opening force recommendations of BS 8300 and Approved Document 'M'.

However consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure they still meet the recommendations in situ.

ARRONE® AR/E-DO9000 & AR/E-DO9500 Swing Door Operator

AR/E-DO9000 – Professional (200kg)

AR/E-DO9500 – Domestic (100kg)

Application

The Swing Door Operator is an Electromechanical system, with spring, wind stop, push and go, and stepping functions. Suitable for Intense traffic areas, Hospitals, Supermarkets, Offices and Airports.

Standard Features

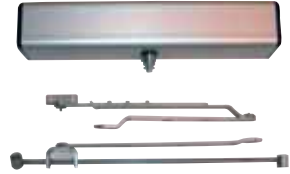
- Low energy unit
- Regulation of all opening-closing speeds
- Push & Go function
- Semi - automatic, (manual until triggered)
- Regulators for all acceleration & deceleration
- Safety sensor inhibiting distance in opening mode
- Pushing thrust limitation

Important Information

All installation must comply with BS7036 it is strongly advised to install:

1. Safety Presence Detectors to prevent the door coming into contact with pedestrians or other objects.
2. Door Loop to carry the cable between the Presence Detectors and Door Operator Unit.
3. Fingershield installed to the hinge side of the door to reduce the risk of finger entrapment.
4. Door Sign "Caution Automatic Door"

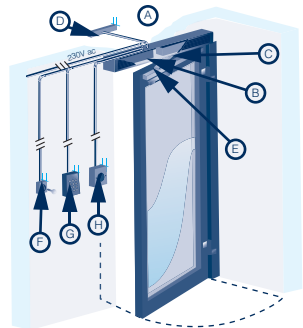
NB. For a Survey Report Form to select the correct size of Swing Door Operator and Accessories i.e Motion and Presence Sensor or Remote Control Please contact the HOPPE (UK) Ltd Sales Office.



Professional Swing Door Operator
AR/E-DO9000



Domestic Swing Door Operator
AR/E-DO9500



- A Door Operator
- B Operation Arm
- C Arm Track
- D Activation Device
- E Presence Detector
- F Night Switch
- G Digital Selector
- H Activation Device

This product can satisfy the opening force recommendations of BS 8300 and Approved Document 'M'.



However consideration must be given to the door width, other installed hardware and differential air pressures within the building to ensure they still meet the recommendations in situ.



Handle of excellence.

Appointed Distributor:

HOPPE (UK) Ltd (Architectural Division) Gailey Park Gravelly Way
Standeford Wolverhampton WV10 7GW

Tel: 01902 484 400 Fax: 01902 484 406

Tel: Sales Direct: 01902 484 410/20

Fax: Sales Direct: 01902 484 417/27

E-Mail: info.uk@hoppe.com Website: <http://www.hoppe.co.uk>