



Door
Controls

Door Controls



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Door Controls

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.

Applications

Fig 1 Application

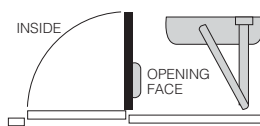


Fig 61 Application

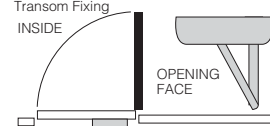
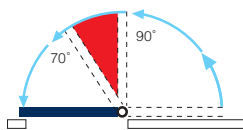
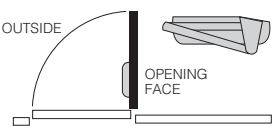
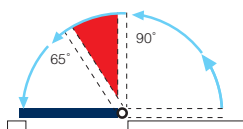


Fig 6 Application



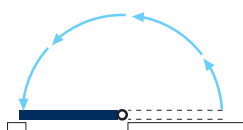
Backcheck

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.



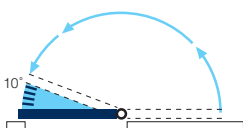
Delayed Action

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.

Standards and Certification

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 Digit 1 – Category of use**
Two categories are defined.
 - 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**
Only one category is identified.
 - 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**
Two categories are defined.
 - 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**
Five categories are defined.
 - 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	40 kg
3 ^(B)	950mm	60 kg
4	1100mm	80 kg
5	1250mm	100 kg
6	1400mm	120 kg

^(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 BS EN1155.

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

Fire Safety – 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 assessed 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.



CE 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 backcheck should not operate before about 80° open and that the maximum 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).

Finishes

Please refer to the fold out section at the rear of the catalogue for the complete range of available finishes.








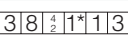
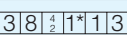
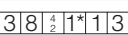
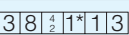
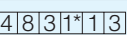
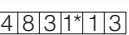
Overhead Door Controls – Key

Door Closer Selection Chart

Features	Avante 1	Avante 2	AR8300	AR1995	AR3500	AR9200	AR8200
Mechanism	Cam & Roller	Cam & Roller	Cam & Roller	Cam & Roller	Rack & Pinion	Rack & Pinion	Rack & Pinion
'DOC M'	See Note 1	See Note 1	See Note 1	See Note 1	See Note 1	See Note 1	See Note 1
'DOC M' Minimum Door Width	950mm	825mm	825mm	950mm	938mm	867mm	950mm
CE Marked	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Certifire	Certificate CF322	Certificate CF322	Certificate CF494	Certificate CF494	Certificate CF294	Certificate CF566	Certificate CF295
Fire Rating to BS EN1634-1	2 Hour	2 Hour	2 Hour	2 Hour	2 Hour	2 Hour	2 Hour
Fire Rating to BS476 part 22	No	No	No	No	No	No	No
Tested to BS EN1154	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Guarantee	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years
Universal Application Fig 1, 61, 6	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Size	3 to 4	2 to 5	2 to 5	3 or 4	2 to 4	2-6	2 to 4
Power Adjustment Method	Template	Spring Adjustment	Spring Adjustment	Fixed Power	Spring Adjustment	Spring Adjustment	Template
Backcheck	Optional	Standard	Optional	Optional	Standard	Standard	Optional
Delayed Action	No	Optional	Optional	Optional	Standard	No	No
Adjustable Closing Speed	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable Latch Action	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable Arm	No	No	No	No	Yes	Yes	Yes
Fixed Arm	Yes	Yes	Yes	Yes	No	No	No
Slide Arm	Optional	Optional	Optional	Optional	No	No	No
Stand Open Arm (Hold Open)	Yes	Yes	Yes	Yes	Yes	No	Yes
Drop Plate	No	No	No	Yes	Yes	No	No
Rectangular Cover	No	No	No	No		No	No
Radius Cover	No	No	No			No	No
Designer Cover	No	No		No		No	See AR8500
Avanté Cover			No	No	No	No	No
Matching Arms	Optional	Optional	Optional	Optional	Optional	Yes	Yes
Finishes	All	All	All	All	All	SE	SE, GE, PSS SSS, PB
Classification	4 8 ⁴ / ₃ 1* 1 3	4 8 ⁵ / ₂ 1* 1 3	4 8 ⁵ / ₂ 1* 1 3	4 8 ⁴ / ₃ 1* 1 3	3 8 ⁴ / ₂ 1* 1 3	4 8 ⁵ / ₂ 1* 1 3	3 8 ⁴ / ₂ 1* 1 3

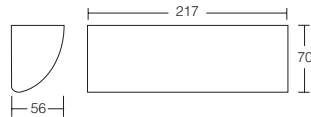
Note 1: This product can satisfy the opening force recommendations of BS8300 and Approved Document M. However consideration must be given to the door width, other installed hardware and differential air pressure within the building to ensure they still meet the recommendations in situ

Door Closer Selection Chart

AR8500	AR7200	AR7500	AR6800	AR6900	AR400	AR1000	Avante 3	AR5300	AR5400
Rack & Pinion	Rack & Pinion	Rack & Pinion	Rack & Pinion	Rack & Pinion	Rack & Pinion	Rack & Pinion	Cam & Roller	Rack & Pinion	Rack & Pinion
See Note 1	No See AR8200	No See AR8500	No	No	No	No	No	No	No
950mm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes
Certificate CF295	Certificate CF295	Certificate CF295	Certificate CF503	Certificate CF503	No	No	Certificate CF322	Certificate CF504	Certificate CF504
2 Hour	2 Hour	2 Hour	2 hour	2 hour	No	No	2 Hour	2 Hour	2 Hour
No	No	No	No	No	1/2 Hour	1/2 Hour	No	No	No
Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes
10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Fig 1 & Fig 6 Only	Fig 1 & Fig 6 Only	Fig 1 & Fig 6 Only
2 to 4	2 to 4	2 to 4	3	3	3	3	2 to 4	3	3
Template	Template	Template	Fixed Power	Fixed Power	Fixed Power	Fixed Power	Template	Fixed Power	Fixed Power
Optional	Optional	Optional	No	No	No	No	To Order	No	No
No	No	No	No	No	No	No	No	No	No
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
No	No	No	No	No	No	No	Yes	No	No
No	No	No	No	No	No	No	Standard	Standard	Standard
Yes	Yes	Yes	No	No	Optional	Yes	No	No	No
No	No	No	No	No	Gold Only	No	No	No	No
No	No	No	No	No	See AR1000		No	No	No
No	No	No	No	No	No	No	No	No	No
	See AR7500		See AR6900		No	No	No	See AR5400	
No	No	No	No	No	No	No		No	No
Optional	Yes	Optional	Yes	Optional	Yes	Black Only	Optional	Yes	Yes
All	SE, GE, PSS SSS, PB	All	SE	All	SE & GE	All	All	SE & GE	All
					None	None	None		

ARRONE® Architectural Plus High Efficiency Door Closers

ARRONE® 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



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

4	8	$\frac{4}{3}$	1*	1	3
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Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS EN1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors



CE Marked: Declaration of conformity available on request



Certifire Approved Product: Certificate CF322



Conformity Statement: These products can satisfy the opening force recommendations of BS8300 and Approved Document "M" when fitted to a minimum door width of 950mm and has been 3rd party laboratory tested accordingly. However, consideration must be given to other installed hardware and differential air pressures within the building which can affect the overall performance of the closer.

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 & end cap finishes

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

arm finishes

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

guarantee

- Supported by a 10 Year Guarantee

ARRONE[®] 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



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

4	8	$\frac{5}{2}$	1*	1	3
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Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS EN1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors



CE Marked: Declaration of conformity available on request



Certifire Approved Product: Certificate CF322



Conformity Statement: These products can satisfy the opening force recommendations of BS8300 and Approved Document "M" when fitted to a minimum door width of 825mm and has been 3rd party laboratory tested accordingly. However, consideration must be given to other installed hardware and differential air pressures within the building which can affect the overall performance of the closer.

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 & end cap finishes

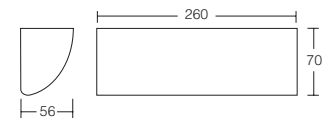
- Silver, Polished Brass, Polished & Satin Aluminium, Polished & Satin Stainless Steel, RAL Colours

arm finishes

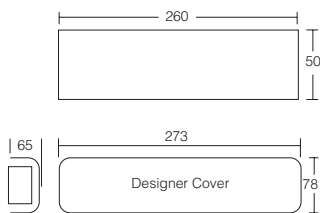
- Black, Silver, Polished Brass, Polished & Satin Aluminium, Polished & Satin Stainless Steel, RAL Colours

guarantee

- Supported by a 10 Year Guarantee



ARRONE® 8300 Series Door Closer



Power Size 2 - 5 Adjustable

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



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

4	8	$\frac{5}{2}$	1*	1	3
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Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS EN1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors



CE Marked: Declaration of conformity available on request



Certifire Approved Product: Certificate CF494



Conformity Statement: These products can satisfy the opening force recommendations of BS8300 and Approved Document "M" when fitted to a minimum door width of 825mm and has been 3rd party laboratory tested accordingly. However, consideration must be given to other installed hardware and differential air pressures within the building which can affect the overall performance of the closer.

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 & Satin Stainless Steel/Chrome, RAL Colour

arm finishes

- Black, Silver, Polished Brass, Polished & Satin Stainless Steel/Chrome

guarantee

- Supported by a 10 Year Guarantee


ARRONE® 1995 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

-  **Quality & Performance:** Successfully type tested for conformity to all the requirements of BS EN1154: 1997 (The size 4 unit will have a 4 in digit 3).


4	8	3	1*	1	3
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-  Manufactured by an ISO 9000 Registered Company

-  **Fire Safety:** Included in a successful fire test to BS EN1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors

-  **CE Marked:** Declaration of conformity available on request

-  **Certifire Approved Product:** Certificate CF494

-  **Conformity Statement:** These products can satisfy the opening force recommendations of BS8300 and Approved Document "M" when fitted to a minimum door width of 950mm and has been 3rd party laboratory tested accordingly. However, consideration must be given to other installed hardware and differential air pressures within the building which can affect the overall performance of the closer.

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

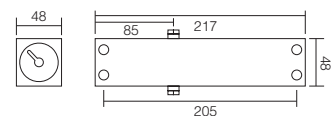
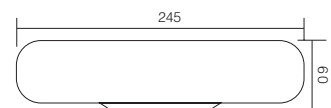
- Silver, Gold, Polished Brass, Polished & Satin Stainless/Chrome, RAL colours

arm finishes

- Black, Silver, Polished Brass, Polished & Satin Stainless/Chrome, RAL colours

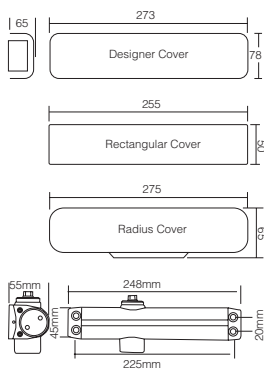
guarantee

- Supported by a 10 Year Guarantee



ARRONE® Architectural Plus High Efficiency Door Closers

ARRONE® 3500 Series Door Closer



Power Size 2-4 Adjustable

application

- The popular ARRONE® 3500 Series Door Closer combines the much sort after options of backcheck and delayed action within the standard unit, providing the flexibility often required at installation. The AR3500 offers a choice of three metal covers, rectangular, radius and designer all available in a wide range of finishes and colours and is suitable for high frequency commercial applications.

standards and certification



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

3	8	$\frac{4}{2}$	1*	1	4
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Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS EN1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors



CE Marked: Declaration of conformity available on request



Certifire Approved Product: Certificate CF294



Conformity Statement: These products can satisfy the opening force recommendations of BS8300 and Approved Document "M" when fitted to a minimum door width of 938mm and has been 3rd party laboratory tested accordingly. However, consideration must be given to other installed hardware and differential air pressures within the building which can affect the overall performance of the closer.

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 & black only), (not to be used on fire resisting door sets)

optional accessories

- Plated arms
- Drop plates

cover finishes

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

arm finishes

- Black, Silver, Polished Brass, Polished & Satin Stainless/Chrome, RAL colours

Guarantee

- Supported by a 10 Year Guarantee

ARRONE® 9200 Series Door Closer

Power Size 2-6 Adjustable

application

- A powerful yet elegant looking closer designed to meet a wide range of applications. The slide cover gives easy access to the adjustment valves.

standards and certification



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

4	8	$\frac{6}{2}$	1*	1	3
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Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS EN1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors



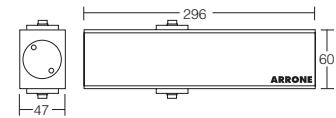
CE Marked: Declaration of conformity available on request



Certifire Approved Product: Certificate CF566



Conformity Statement: These products can satisfy the opening force recommendations of BS8300 and Approved Document "M" when fitted to a minimum door width of 867mm and has been 3rd party laboratory tested accordingly. However, consideration must be given to other installed hardware and differential air pressures within the building which can affect the overall performance of the closer.



standard features

- Power size 2-6 adjustable in accordance with BS EN1154:1997 - when fitted in Fig 6 only size 2 to 5 achieved
- Suitable for use on doors up to 1400mm wide/120kg weight
- Extruded aluminium body
- Slide cover
- Rack & pinion mechanism
- Universal application
- Backcheck as standard
- Adjustable closing speed and latch action with thermo constant valves

options

- Delayed action

Finishes

- Silver, Gold, Polished Brass, Polished & Satin Stainless Steel/Chrome

arm finishes

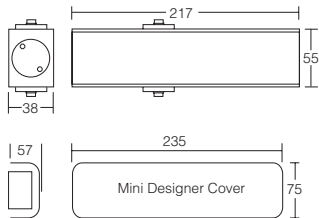
- Matching

guarantee

- Supported by a 10 Year Guarantee

ARRONE® Architectural Plus High Efficiency Door Closers

ARRONE® 8200/AR8500 Series Door Closer



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

Power Size 2-4 Variable by Template

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



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

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Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS EN1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors



CE Marked: Declaration of conformity available on request



Certifire Approved Product: Certificate CF295



Conformity Statement: These products can satisfy the opening force recommendations of BS8300 and Approved Document "M" when fitted to a minimum door width of 950mm and has been 3rd party laboratory tested accordingly. However, consideration must be given to other installed hardware and differential air pressures within the building which can affect the overall performance of the closer.

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
- Backcheck optional
- 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, PB, SSS, PSS

finishes – AR8500 (Black Arms)

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

guarantee

- Supported by a 10 Year Guarantee