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## CERTIFICATE OF APPROVAL

### No CF 295

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This is to certify that, in accordance with  
TS00 General Requirements for Certification of Fire Protection Products  
The undermentioned products of

## HOPPE (UK) LTD

Gailey Park, Gravelly Way, Standeford, Wolverhampton, WV10 7GW  
Tel: 01902 484400 Fax: 01902 484406

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

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**CERTIFIED PRODUCT**  
ARRONE AR5200, AR5500,  
AR8200, AR8500 AR9200 and  
AR9500 Series Overhead Door  
Closers

**TECHNICAL SCHEDULE**  
TS34 - The Contribution of  
Controlled Door Closing  
Devices and Accessories to  
Fire Resisting Doorsets

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan  
**Certification Manager**

Issued: 16<sup>th</sup> September 2002  
Reissued: 15<sup>th</sup> March 2019  
Valid to: 25<sup>th</sup> March 2023



## CERTIFICATE No CF 295 HOPPE (UK) LTD

### ARRONE AR5200, AR5500 AR8200, AR8500, AR9200 and AR9500 Series Overhead Door Closers

1. This approval relates to the following overhead mounted door closing devices and configurations:

	Link-arms			Slide arms			
	Projecting arm (Fig. 1) Body door mounted on pull face	Projecting arm (Fig. 61) Body transom mounted on push face	Parallel arm (Fig. 6) Body door mounted on push face	Body door mounted on pull face	Body transom mounted on push face	Body door mounted on push face	Body transom mounted on pull face
AR5200	✓	✓	✓	✗	✗	✗	✗
AR5500	✓	✓	✓	✗	✗	✗	✗
AR8200	✓	✓	✓	✗	✗	✗	✗
AR8500	✓	✓	✓	✗	✗	✗	✗
AR9200	✓	✗	✓	✗	✗	✗	✗
AR9500	✓	✗	✓	✗	✗	✗	✗

**Key:** ✓ - approved                      ✗ - Not approved

*Note: Where alternative arms for non-fire applications are included within the packaging, the use of these components on fire resisting door assemblies will invalidate the certification.*

The AR5500, AR8500 and AR9500 closers will be provided with one of two covers, "Designer" or "Slimline". The covers are available in various finishes. The AR5200, AR8200 and AR9200 closers are supplied without covers.

2. This approval relates to their use with the following door assemblies:-

**Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance up to 120 minutes (Code ITT).**

**Latched and unlatched, door assemblies consisting of metal faced and edged leaves in metal frames, fully-insulated for the required classification period, with or without intumescent sealing, and having a fire resistance up to 240 minutes (Codes MM & IMM)**

3. This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.





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### HOPPE (UK) LTD

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#### **ARRONE AR5200, AR5500 AR8200, AR8500, AR9200 and AR9500 Series Overhead Door Closers**

4. The closer is approved on the basis of:
  - i) Initial type testing to EN1154 and BS EN 1634-1.
  - ii) An appraisal against TS34
  - iii) Inspection of quality management system
  - iv) Inspection and surveillance of factory production control
  - v) Ongoing audit testing in accordance with EN 1154 requirements
5. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
6. Where the closers are fitted to door leaves or frames that are manufactured from mineral composite-based materials, or low-density cellulosic-based material, the door assembly shall have previously been shown capable of accommodating the installation of closers at the head of the doorset, without detriment to the door assembly's performance.
7. This approval is applicable only to the specified closers when mounted in the applications stated above and under the classification codes section of this certificate and used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: Part 22: 1987) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).
8. The approval relates to on-going production. The product and/or its immediate packaging are identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

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ARRONE AR5200, AR5500 AR8200, AR8500, AR9200 and AR9500 Series Overhead Door Closers

9. The following tables show acceptable doorset types and fire resistance periods:

Class	Approved Door Type				
	MM	IMM	ITT	ITM	ITC
FD20	✓*	✓*	✓	✗	✓
FD30	✓*	✓*	✓	✗	✓
FD60	✓*	✓*	✓	✗	✓
FD120	✓*	✓*	✓	✗	✓
FD240	✓*	✓*	✗	✗	✗
E 20	✗	✗	✓	✗	✓
EI 20	✓*	✓*	✓	✗	✓
E 30	✗	✗	✓	✗	✓
EI 30	✓*	✓*	✓	✗	✓
E 60	✗	✗	✓	✗	✓
EI 60	✓*	✓*	✓	✗	✓
E 90	✗	✗	✓	✗	✓
EI 90	✓*	✓*	✓	✗	✓
E 120	✗	✗	✓	✗	✓
EI 120	✓*	✓*	✓	✗	✓
E 240	✗	✗	✗	✗	✗
EI 240	✓*	✓*	✗	✗	✗

**Key:**

- ✓ - approved
- ✗ - Not approved
- ✓\* - Fully-insulated steel-based doorsets only.



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**ARRONE AR5200, AR5500 AR8200, AR8500, AR9200 and AR9500 Series Overhead Door Closers**

10. Doors are classified as the following types:

**Type IMM** - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that contain intumescent materials in the frame to leaf gap.

**Type ITT** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in timber frames

**Type ITM** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in metal frames.

**Type ITC** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

### Scope of Approval:

- Doors may not include uninsulated glass above 20% of their total area..
- The closers may not be fitted to timber doorsets without intumescent protection.
- Closers are only approved for use on steel-based doors and frames that are fully-insulated for the required classification period.
- Mechanical Hold open option is not approved.

### Classification codes

The approval provides the following classifications:

AR5200 and AR5500 in projecting arm configuration (Figure 1), transom mounted (Figure 61) and parallel arm (Figure 6):

Projecting arm configuration (Figure 1):

4	8	5 2	1	1	4
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Parallel arm configuration (Figure 6):

3	8	4 3	1	1	4
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ARRONE AR5200, AR5500 AR8200, AR8500, AR9200 and AR9500 Series Overhead Door Closers

### Classification codes (continued)

Transom mounted (Figure 61):

4	8	4 2	1	1	4
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AR8200 and AR8500 in projecting arm and transom mounted configurations (Figure 1, Figure 61):

3	8	4 2	1	1	3
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AR8200 and AR8500 in parallel arm configuration (Figure 6):

3	8	3	1	1	3
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AR9200, AR9500 in projecting arm configuration and transom mounted (Figure 1, Figure 61):

4	8	6 2	1	1	3
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AR9200, AR9500 in parallel arm configuration (Figure 6):

4	8	5 3	1	1	3
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*Note: power ratings shall be appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).*

### Further Information

Further information regarding the details contained in this certificate may be obtained from HOPPE (UK) Ltd (Tel: 01902 484400).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).

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