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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 CERTIFIRE

Sir Ken Knight  
Chairman - Management Council  
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Issued: 16<sup>th</sup> September 2002  
Revised: 9<sup>th</sup> April 2013  
Valid to: 5<sup>th</sup> March 2018



Only valid when authentic  
CERTIFIRE Seal is in place



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## CERTIFICATE No CF 295 HOPPE (UK) LTD

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

1. This approval applies to the ARRONE AR5200, AR5500, AR8200, AR8500, AR9200 and AR9500 overhead door closer models but excludes any mechanical hold open variants. ARRONE AR8200 and AR8500 series closers are overhead mounted door closing devices with selectable power and integral back check function. The approval relates to the following specific configurations of the above referenced closers:

- Figure 1 (projecting arm)
- Figure 66 (parallel arm)
- Figure 61 (transom mounted)

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 certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section D of the Technical Standards (Scotland) and Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.
3. 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, insulated and uninsulated, door assemblies consisting of metal faced and edged leaves in metal frames and having fire resistance's of up to 240 minutes (Code MM and IMM)**

4. The closers are approved on the basis of:
- i) Initial type testing to EN1634-1 and EN1154
  - ii) An appraisal against TS34.
  - iii) Certification of quality management system to ISO 9001: 2000.
  - iv) On-going audit testing in accordance with EN 1154 requirements.
  - iv) Inspection and surveillance of factory production control.
5. This approval is applicable only to overhead closers having a minimum power size 3 (as specified in BS EN 1154).
6. This approval does not cover models with a mechanical hold open facility.

A handwritten signature in black ink, appearing to be "K. J. ...".



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

7. The doorset, including door frame and associated building hardware, should be either CERTIFIRE approved for the relevant application and classification or the doorset, including door frame and associated building hardware, should have achieved at least the designated period (i.e. 30, 60 minutes) of fire resistance when tested, as required, or subsequently assessed to EN 1634-1. In either case regard should be paid to the maximum door mass permitted to be used with the closer (see classification).
8. The closers may only be fitted to previously tested door assemblies when fitted in the manner described in this certificate and when particular aspects of the door assembly are maintained.
9. The closers shall only be fitted using the fixings supplied by the closer manufacturer.
10. Timber based doorset shall be installed in accordance with BS 8214: 2008.
11. The approval relates to on-going production. Product and/or its immediate packaging is 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.

A handwritten signature in black ink, appearing to be "K. J. ...", located below the "Signed" text.



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HOPPE (UK) LTD**

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

12. The following table shows acceptable doorsets types and fire resistance periods:

Matrix of acceptable doorsets

Class	Approved Door Type					
	IMM	MM	TT	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

See CERTIFIRE Technical Schedules for designation of doorset types i.e. ITT etc.



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

**Scope of Approval:**

Doors may not include uninsulated glass above 20% of their total area.  
The AR5500, AR8500 and AR9500 closers may only be fitted to metallic doorsets when fitted with a metallic cover.  
The closers may not be fitted to timber doorsets without intumescent protection.

**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).

<b>4</b>	<b>8</b>	<b>5 3</b>	<b>1</b>	<b>1</b>	<b>4</b>
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Parallel arm configuration (Figure 66).

<b>3</b>	<b>8</b>	<b>4 3</b>	<b>1</b>	<b>1</b>	<b>4</b>
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Transom mounted (Figure 61).

<b>4</b>	<b>8</b>	<b>4 3</b>	<b>1</b>	<b>1</b>	<b>4</b>
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AR8200 and AR8500 in projecting arm and transom mounted configurations (Figure 1, Figure 61)

<b>3</b>	<b>8</b>	<b>4 3</b>	<b>1</b>	<b>1</b>	<b>3</b>
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**ARRONE AR5200, AR5500 AR8200, AR8500, AR9200 and AR9500 Series  
Overhead Door Closers**

**Classification codes (continued)**

AR8200 and AR8500 in parallel arm configuration (Figure 66)

<b>3</b>	<b>8</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>3</b>
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AR9200, AR9500 in projecting arm configuration and transom mounted (Figure 1, Figure 61)

<b>4</b>	<b>8</b>	<b>6</b> <b>3</b>	<b>1</b>	<b>1</b>	<b>3</b>
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AR9200, AR9500 in parallel arm configuration (Figure 66)

<b>4</b>	<b>8</b>	<b>5</b> <b>3</b>	<b>1</b>	<b>1</b>	<b>3</b>
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**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).