
CERTIFICATE OF APPROVAL

No CF 294

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:

CERTIFIED PRODUCT

**Arrone AR1500 & AR3500
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 Exova (UK) Limited trading as
Warrington Certification**



**Paul Duggan
Certification Manager**



Issued: 16th September 2002
Reissued: 9th October 2018
Valid to: 8th October 2023



CERTIFICATE No CF 294 HOPPE (UK) LTD

Arrone AR1500 and AR3500 Series Overhead Door Closers

1. This certification is provided to the client for its own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
2. Arrone AR1500 and AR3500 series are overhead mounted door closing devices with adjustable power and delayed action functions, but excludes mechanical hold open variants. The approval relates to the following specific closers:

	Link-arms			Slide arms			
	Projecting arm (Fig. 1) <i>Body door mounted on pull face</i>	Projecting arm (Fig. 61) <i>Body transom mounted on push face</i>	Parallel arm (Fig. 6) <i>Body door mounted on push face</i>	Body door mounted on pull face	Body transom mounted on push face	Body door mounted on push face	Body transom mounted on pull face
AR1500	✓	✓	✓	✗	✗	✗	✗
AR3500	✓	✓	✓	✗	✗	✗	✗

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.

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).

4. The closers are 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. 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).

CERTIFICATE No CF 294
HOPPE (UK) LTD

Arrone AR1500 and AR3500 Series Overhead Door Closers

6. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
7. Where the closers are fitted to door leaves or frames that are manufactured from mineral-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.
8. 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.

CERTIFICATE No CF 294 HOPPE (UK) LTD

Arrone AR1500 and AR3500 Series Overhead Door Closers

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

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

Key:

- ✓ - approved
- x - Not approved

CERTIFICATE No CF 294
HOPPE (UK) LTD

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10. Doors are classified as the following types:

Type MM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that do not contain intumescent materials in the frame to leaf gap.

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 frames, of which the principal material is other than timber or metal but which may include any other materials.

Scope of Approval:

- The Arrone AR3500 closers will be provided with one of three types of covers, an S suffix denoting a square cover, R suffix denoting a radiused cover and D suffix denoting the designer cover. The Arrone AR1500 is available with a contract cover only. All covers are available in various finishes.
- Doors may not include uninsulated glass above 20% of their total area.
- The closer may not be fitted to timber doorsets without leaf/frame edge intumescent protection.
- Mechanical Hold open option is not approved

Classification code:

Arrone 1500 and 3500 – all configurations:

3	8	4 2	1	1	4
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CERTIFICATE No CF 294 HOPPE (UK) LTD

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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).

Page 6 of 6 Signed
K/002

A handwritten signature in black ink, appearing to read "Paul K/002".

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