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## CERTIFICATE OF APPROVAL

### No CF 144

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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

**GEZE GmbH**  
**Rein Reinhold-Voster-Strabe 21-29,**  
**71229,**  
**Leonberg,**  
**Germany**

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

**TS1000 C, TS1500 and  
TS1500 BC and  
Overhead Door Closers**

#### TECHNICAL SCHEDULE

**TS 34 - 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: 1<sup>st</sup> May 1997  
Reissued: 9<sup>th</sup> May 2023  
Valid to: 31<sup>st</sup> July 2023







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#### TS1000 C, TS1500 and TS1500 BC OVERHEAD DOOR CLOSERS

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).
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 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.
8. Timber based doorset shall be installed in accordance with BS 8214.
9. The approval relates to ongoing 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.

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**TS1000 C, TS1500 and TS1500 BC OVERHEAD DOOR CLOSERS**

7. The following table shows acceptable doorset types and fire resistance periods:

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

**Key:**

- ✓ - approved
- x - Not approved

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#### TS1000 C, TS1500 and TS1500 BC OVERHEAD DOOR CLOSERS

10. Doors are classified as the following types:

**Code ITT** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in timber-based frames.

**Code ITM** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in steel frames.

**Code MM** - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.

**Code IMM** - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames with intumescent seals

#### Scope of Approval:

- Doors may not include uninsulated glass above 20% of their total area. Uninsulated glass shall not be included directly beneath the door closer body
- The closers may not be fitted to doorsets incorporating timber leaves without leaf/frame edge intumescent protection to the frame rebate or door edge.
- Mechanical Hold open option is not approved.
- The following functions are supported by this certification:

Closer Ref.	Latch Control	Backcheck	Delayed-Action
<b>TS1000 C</b>	Yes	No	No
<b>TS1500</b>	Yes	No	No
<b>TS1500 BC</b>	Yes	Yes	No

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**TS1000 C, TS1500 and TS1500 BC OVERHEAD DOOR CLOSERS**

**Classification codes**

This approval provides the following classifications for the closers listed above:

**TS1000** – Door mounted in projecting arm (Figure 1) and Door mounted in parallel arm (Figure 6):

4	8	3 2	1	1	4
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**TS1500** - Door mounted in projecting arm (Figure 1):

4	8	4 3	1	1	3
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**TS1500, TS1500 BC** – Door mounted in parallel arm (Figure 6):

4	8	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 data sheet may be obtained from GEZE GmbH (Tel: 01543 443024).

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