



CERTIFICATE OF APPROVAL

No CF 145

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-Vöster-Straße 21 – 29
71229 Leonberg
Germany
01543 443024 – 07702511350

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

**TS3000 & TS5000 SERIES
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: 1st May 1997
Reissued: 19th September 2023
Valid to: 29th September 2028

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TS3000 & TS5000 SERIES OVERHEAD DOOR CLOSERS

1. 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.
2. This approval relates to Geze overhead mounted door closing devices identified in section 6. The closers have an adjustable latch action.
3. This approval relates to its use with the following door assemblies: -

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

Latched and unlatched, door assemblies consisting of predominantly steel faced and edged leaves in steel frames, fully-insulated for the required classification period as defined by EN1634-1 or BS476-22, with or without intumescent sealing, and having a fire resistance up to 240 minutes (Codes MM & IMM)

Latched and unlatched, door assemblies consisting of predominantly steel faced and edged leaves in steel frames, uninsulated for the required classification period, with or without intumescent sealing, and having a fire resistance up to 240 minutes (Codes MM & IMM) with closers fitted to the fire risk face only*

Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in fully-insulated steel frames as defined by EN1634-1 or BS476-22, having a fire resistance up to 120 minutes (Code ITM)

****The closer must not be used in this application where a specific direction of fire exposure for the doorset cannot be identified***

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

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5. The approval applies to the following configurations:

	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
TS3000 EN3	✗	✗	✗	✓	✓	✓	✓
TS3000 B	✗	✗	✗	✓	✗	✗	✓
TS3000 EN3 E	✗	✗	✗	✓	✗	✓	✗
TS3000 EC	✗	✗	✗	✓	✓	✓	✓
TS3000 EC BC	✗	✗	✗	✓	✓	✓	✓
TS3000 V	✗	✗	✗	✓	✓	✓	✓
TS3000 V BC	✗	✗	✗	✓	✓	✓	✓
TS3000 V E	✗	✗	✗	✓	✗	✓	✗
TS5000	✗	✗	✗	✓	✓	✗	✗
TS5000 S	✗	✗	✗	✓	✓	✗	✗
TS5000 L	✗	✗	✗	✗	✗	✓	✓
TS5000 E	✗	✗	✗	✓	✗	✗	✗
TS5000 L E	✗	✗	✗	✗	✗	✓	✗
TS5000 EFS	✗	✗	✗	✓	✗	✗	✓
TS5000 ISM	✗	✗	✗	✓	✗	✗	✗
TS5000 E-ISM	✗	✗	✗	✓	✗	✗	✗
TS5000 R	✗	✗	✗	✓	✗	✗	✗
TS5000 L R	✗	✗	✗	✗	✗	✓	✗
TS 5000 RFS	✗	✗	✗	✓	✗	✗	✓
TS5000 ECLINE	✗	✗	✗	✓	✓	✗	✗
TS5000 ECLINE T	✗	✗	✗	✓	✓	✗	✗
TS5000 L ECLINE	✗	✗	✗	✗	✗	✓	✓
TS5000 L ECLINE T	✗	✗	✗	✗	✗	✓	✓

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.



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6. This approval is applicable only to the specified closers when mounted in the applications stated later under the classification codes section of this certificate and used with door assemblies of proven fire resistance (as defined in BS EN 1634-1:2014+A1:2018 or BS 476-22: 1987.) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).
7. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
8. Where the closers are fitted to door leaves or frames that are manufactured from 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.
9. Timber based doorset shall be installed in accordance with BS 8214.
10. 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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11. The following tables show acceptable doorset types and fire resistance periods:

Class	Approved Door Type			
	MM	IMM	ITT	ITM
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 doors and frames only
- ✓# - Fitted to the **fire risk face only** of Uninsulated steel-based doors and frames only
- ✓*# - Fitted to **Fully-insulated** steel-based doors and frames, or the **fire risk face only** of Uninsulated steel-based doors and frames



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12. Doors are classified as the following types:

Code ITT - 20 minute to 120 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in timber or cellulosic frames.

Code ITM - 20 minute to 120 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic 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.

Limitations 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.
- Closers are approved for use on both sides of steel-based doors and frames that are fully-insulated for the required classification period (insulation as defined by EN1634-1 or BS476-22).
- For uninsulated steel-based doors and frames the closers shall be fitted to the fire risk face only. **The closer must not be used in this application where a specific direction of fire exposure for the doorset cannot be identified.**
- Mechanical Hold open option is not approved.
- Approved for use with slide arm only.



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- The following functions are supported by this certification:

Closer Ref.	Latch Control	Backcheck	Delayed-Action
<i>TS3000 EN3</i>	Yes	No	No
<i>TS3000 B</i>	Yes	Yes	No
<i>TS3000 EN3 E</i>	Yes	No	No
<i>TS3000 EC</i>	Yes	No	No
<i>TS3000 EC BC</i>	Yes	Yes	No
<i>TS3000 V</i>	Yes	Yes	No
<i>TS3000 V BC</i>	Yes	Yes	No
<i>TS3000 V E</i>	Yes	Yes	No
<i>TS5000</i>	Yes	Yes	No
<i>TS5000 S</i>	Yes	Yes	Yes
<i>TS5000 L</i>	Yes	Yes	No
<i>TS5000 E</i>	Yes	Yes	No
<i>TS5000 L E</i>	Yes	Yes	No
<i>TS5000 EFS</i>	Yes	No	No
<i>TS5000 ISM</i>	Yes	Yes	No
<i>TS5000 E-ISM</i>	Yes	Yes	No
<i>TS5000 R</i>	Yes	Yes	No
<i>TS5000 L R</i>	Yes	Yes	No
<i>TS 5000 RFS</i>	Yes	No	No
<i>TS5000 ECLINE</i>	Yes	Yes	No
<i>TS5000 ECLINE T</i>	Yes	Yes	No
<i>TS5000 L ECLINE</i>	Yes	Yes	No
<i>TS5000 L ECLINE T</i>	Yes	Yes	No

Classification codes

This approval provides the following classification for the closers as detailed:

TS3000 EN3 all approved fixing applications:

4	8	3	1	1	4
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TS3000 EC, TS3000 EC BC all approved fixing applications:

4	8	3 2	1	1	4
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Classification codes – Cont'd

TS3000 V and TS3000 V BC all approved fixing applications:

4	8	4 1	1	1	4
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TS3000 B all approved fixing applications:

3	8	4 2	1	1	3
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TS3000 E Body door mounted on pull face & Body door mounted on push face:

3	8	3	1	1	4
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TS3000 V E Body door mounted on pull face & Body door mounted on push face:

3	8	4 3	1	1	4
---	---	--------	---	---	---

TS5000 & TS5000S Body door mounted on pull face:

4	8	6 2	1	1	4
---	---	--------	---	---	---

TS5000 & TS5000S Body transom mounted on push face:

3	8	6 2	1	1	4
---	---	--------	---	---	---

TS5000 L Body door mounted on push face:

3	8	6 2	1	1	4
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Classification codes – Cont'd

TS5000 L Body transom mounted on pull face:

3	8	6 3	1	1	4
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For models TS5000 E, TS5000 L E, TS5000 R & TS5000 L R:

3	8	6 3	1	1	4
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For models TS5000 ISM & TS5000 E-ISM Body door mounted on pull face:

3	8	6 3	1	1	4
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For models TS5000 EFS & TS5000 RFS Body door mounted on pull face:

4	8	6 3	1	1	3
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For models TS5000 EFS & TS5000 RFS Body transom mounted on pull face:

3	8	6 3	1	1	3
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For models TS5000 ECLINE and TS5000 ECLINE T – Body door mounted on pull face & body transom mounting on push face:

4	8	5 3	1	1	4
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Classification codes – Cont'd

For models TS5000 L ECLINE and TS5000 L ECLINE T – Body door mounted on push face & body transom mounting on pull face:

3	8	5 3	1	1	4
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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).

Accessories

The approved closers may be fitted in conjunction with the following guiderail functions:

<i>ECLine</i>	Opening assistance
<i>T</i>	Stop guiderail
<i>E</i>	Electric hold-open function
<i>R</i>	Smoke switch, power supply and electric hold-open function
<i>ISM</i>	Integrated closing sequence control
<i>E-ISM</i>	Integrated closing sequence control with electric hold-open function
<i>R-ISM</i>	Integrated closing sequence control with smoke switch, power supply and electric hold-open function

These guide rails have an integral door selector function and have been initially type tested in accordance with EN 1158: 1997.

Classification of the ISM, E-ISM and R-ISM guide rails is given as follows:

3	8	6 3	1	1	4
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Note: Where one of the above guide rails is used in conjunction with a closer model having a differing classification code, the lower code shall apply.

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).

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C/007 & J/078

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