



CERTIFICATE OF APPROVAL

No CF 144

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

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

TS1000 C and TS1500
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: 15th September 2023
Valid to: 30th May 2028



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TS1000 C & TS1500 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 applies to the TS1000 C & TS1500 overhead door closers. The approval applies to the following 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 |
| TS1000 C | ✓ | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ |
| TS1500 | ✓ | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ |

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 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).
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. 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).
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 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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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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10. 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.

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 |
|-----------------|---------------|-----------|----------------|
| TS1000 C | Yes | No | No |
| TS1500 | Yes | No | No |

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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 |
|---|---|--------|---|---|---|

TS1500 - Door mounted in projecting arm (Figure 1):

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

TS1500 – Door mounted in parallel arm (Figure 6):

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

Note: power ratings shall be appropriate to the leaf sizes subject to a minimum size 3 (as specified in 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)

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