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## CERTIFICATE OF APPROVAL

### No CF 5196

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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

**GEZE GmbH, Reinhold-Vöster-Straße 21-29,  
D-71229 Leonberg, Germany**

**Tel: 00 49 7152 2030 / 01543 443020 Fax: 00 49 7152 203 310**

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

**TSA 160 NT and TSA 160 NT Z  
Automatic Swing Door Drives –  
As Door Closing Devices**

#### 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 Exova (UK) Limited trading as  
Warrington Certification**



**Sir Ken Knight  
Chairman  
Impartiality Committee**



**Paul Duggan  
Certification Manager**



Issued: 14<sup>th</sup> October 2013  
Revised: 22<sup>nd</sup> June 2016  
Valid to: 31<sup>st</sup> December 2016

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## CERTIFICATE No CF 5196

### GEZE GMBH

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#### GEZE TSA 160 NT AND TSA 160 NT Z OVERHEAD MOUNTED DEVICES

1. GEZE TSA 160 NT and TSA160 NT Z are overhead mounted devices providing a door closing function, both units have adjustable power.
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section 2 of the Technical Standards (Scotland), 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).**
4. The units are approved on the basis of:
  - i) Initial type testing to the requirements of EN 1154 and EN1634-1
  - ii) An appraisal against TS34
  - iii) Certification of quality management system to ISO 9001: 2008.
  - iv) Inspection and surveillance of factory production control
  - v) On-going audit testing in accordance with the requirements of EN 1154
5. This approval is applicable only to the specified products 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 EN 1154).
6. The approval relates to on-going production. The 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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### GEZE TSA 160 NT AND TSA 160 NT Z OVERHEAD MOUNTED DEVICES

7. The following table show acceptable doorsets types and fire resistance periods:

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

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

**Scope of Approval:**

Doors may not include uninsulated glass above 20% of their total area.  
The products may not be fitted to timber doorsets without leaf/frame edge intumescent protection.

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**GEZE GMBH**

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**GEZE TSA 160 NT AND TSA 160 NT Z OVERHEAD MOUNTED DEVICES**

**Classification codes**

The approval provides the following classifications:

TSA 160 NT transom mounted with linkage arm on push side of door only.

TSA 160 NT Z transom mounted with guide rail on pull side of door only.

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**Further Information**

Further information regarding the details contained in this data sheet may be obtained from GEZE GmbH (Tel: 00 49 7152 2030).

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