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## CERTIFICATE OF APPROVAL

### No CF 268

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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

## DORMA UK LIMITED

Wilbury Way, Hitchin, Hertfordshire SG4 0AB

Tel: 01462 477600

Fax: 01462 477601

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**  
TS71, TS72V & TS72VBC  
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 Exova (UK) Limited trading as  
Warrington Certification



Paul Duggan  
Certification Manager



Issued: 11<sup>th</sup> December 2001  
Reissued: 20<sup>th</sup> August 2018  
Valid to: 2<sup>nd</sup> February 2022

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### TS71, TS72V & TS72VBC OVERHEAD DOOR CLOSERS

1. The Dorma UK Limited TS71, TS72V and TS72VBC are a range of adjustable power surface mounted overhead door closers. This approval relates to the following overhead mounted door closing devices and 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
<b>TS71</b>	✓	✓	✓	✗	✗	✗	✗
<b>TS72V</b>	✓	✓	✓	✗	✗	✗	✗
<b>TS72VBC</b>	✓	✓	✓	✗	✗	✗	✗

**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.*

2. 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).**

**Latched and unlatched, door assemblies consisting of metal faced and edged leaves in metal frames, fully-insulated for the required classification period, with or without intumescent sealing, and having a fire resistance up to 240 minutes (Codes MM & IMM)**

**Latched and unlatched, door assemblies consisting of metal faced and edged leaves in metal 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 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***

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#### TS71, TS72V & TS72VBC OVERHEAD DOOR CLOSERS

3. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), the Technical Handbooks (Scotland) and 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.
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. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
6. 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.
7. 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).
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.

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### TS71, TS72V & TS72VBC 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	✓*#	✓*#	✓	✓*	✓
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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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 composite frames, of which the principal material is other than timber or metal but which may include any other materials.

#### Scope of Approval:

- Doors may not include uninsulated glass above 20% of their total area.
- The closer may not be fitted to timber doorsets without intumescent protection.
- Closers are approved for use on both sides of steel-based doors and frames that are fully-insulated for the required classification period.
- 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.

#### Classification code

The approval provides the following classifications:

Dorma TS71, TS72V and TS72VBC when mounted in projecting arm (Figure 1) and transom mount (Figure 61):

4	8	4 3	1	1	2
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Dorma TS71, TS72V and TS72VBC when mounted in parallel arm (Figure 6):

4	8	3	1	1	2
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**TS71, TS72V & TS72VBC OVERHEAD DOOR CLOSERS**

**Further Information**

Further information regarding the details contained in this data sheet may be obtained from Dorma UK Limited (Tel: 01462 477600).

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

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AJ/002

A handwritten signature in black ink, appearing to read "Paul Hogg".

Issued: 11<sup>th</sup> December 2001  
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