



CERTIFICATE OF APPROVAL

No CF 268

This is to certify that, in accordance with
TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

Dormakaba UK Ltd
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:

CERTIFIED PRODUCT

**TS68, TS69, 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 Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager



Issued: 11th December 2001
Reissued: 19th April 2022
Valid to: 18th April 2027



CERTIFICATE No CF 268 Dormakaba UK Ltd

TS68, TS69, TS71, TS72V & TS72VBC OVERHEAD DOOR CLOSERS

1. This approval relates to the following overhead mounted door closing devices and configurations:

	Table 1						
	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
TS68	✓	✗	✗	✗	✗	✗	✗
TS69	✓	✓	✗	✗	✗	✗	✗
TS71	✓	✗	✓	✗	✗	✗	✗
TS72V	✓	✗	✓	✗	✗	✗	✗
TS72VBC	✓	✗	✗	✗	✗	✗	✗

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 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
3. The closers are approved on the basis of:
- Initial type testing to EN1154 and BS EN 1634-1
 - An appraisal against TS34
 - Inspection of quality management system
 - Inspection and surveillance of factory production control
 - Ongoing audit testing in accordance with EN 1154 requirements
4. 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).

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5. This approval relates to their use with the following door assemblies:-

All closers - 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).

TS71, TS72V & TS72VBC closers only - Latched and unlatched, door assemblies consisting of metal faced and edged leaves in metal 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)

TS71, TS72V & TS72VBC closers only - Latched and unlatched, door assemblies consisting of metal faced and edged leaves in metal frames, **uninsulated** 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) **with closers fitted to the fire risk face only***

TS71, TS72V & TS72VBC closers 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***

6. **TS71, TS72V & TS72VBC only** - When fitted to ITT30 and ITT60 doorsets, in a 'Projecting arm (Fig. 1) body door mounted on pull face' application, may incorporate a '28008101' soffit fixing bracket recessed into the frame head rebate. The bracket shall be bedded on 2 mm Interdens sheet material for ITT60 applications (no additional intumescent protection is required for ITT30).
7. For ITT applications 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 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.
9. Timber based doorset shall be installed in accordance with BS 8214.

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10. 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.
11. The following tables show acceptable doorsets types and fire resistance periods for the TS68 & TS69 closers :

Table 2 - Approved Door Type					
Class	MM	IMM	ITT	ITM	ITC
FD20	x	x	✓	x	x
FD30	x	x	✓	x	x
FD60	x	x	✓	x	x
FD120	x	x	✓	x	x
FD240	x	x	x	x	x
E 20	x	x	✓	x	x
EI 20	x	x	✓	x	x
E 30	x	x	✓	x	x
EI 30	x	x	✓	x	x
E 60	x	x	✓	x	x
EI 60	x	x	✓	x	x
E 90	x	x	✓	x	x
EI 90	x	x	✓	x	x
E 120	x	x	✓	x	x
EI 120	x	x	✓	x	x
E 240	x	x	x	x	x
EI 240	x	x	x	x	x

Key:

✓ - approved

x - Not approved

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12. The following tables show acceptable doorsets types and fire resistance periods for the TS71, TS72V & TS72VBC only :

Table 3 - Approved Door Type					
Class	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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13. 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 ITC - 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 proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

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 timber doorsets without perimeter intumescent fire seals 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.
- 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.
- '28008101' soffit fixing brackets are approved as detailed in section 6 above. The bracket shall be bedded on 2 mm Interdens sheet material for ITT60 applications (no additional intumescent protection is required for ITT30).

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Scope of Approval – Cont'd:

- The following functions are supported by this certification:

Table 4				
Closer Ref.	Application	Latch Control	Backcheck	Delayed-Action
TS 68	Projecting arm (Fig. 1) Body door mounted on pull face	Yes	No	No
TS 69	All configurations in Table 1	Yes	No	No
TS71	All configurations in Table 1	Yes	No	No
TS72V	All configurations in Table 1	yes	No	No
TS72VBC	Projecting arm (Fig 1) Body Door Mounted on Pull Face	Yes	Yes	No

Classification codes

The approval provides the following classifications:

TS68 when mounted in projecting arm (Figure 1):

3	8	4 3	1	1	2
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TS69 when mounted in projecting arm (Figure 1) and transom mount (Figure 61):

3	8	4	1	1	2
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TS71 when mounted in projecting arm (Figure 1):

4	8	4 3	1	1	2
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TS72V and TS72VBC when mounted in projecting arm (Figure 1):

4	8	4 2	1	1	2
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TS71 when mounted in parallel arm (Figure 6):

4	8	3	1	1	0
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Classification codes – Cont'd:

TS72 V when mounted in parallel arm (Figure 6):

4	8	3 1	1	1	2
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Further Information

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

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

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