CERTIFICATE OF APPROVAL
No CF 6170

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

BOSS DOOR CONTROLS LIMITED

3 & 4 RUTHERFORD SQUARE, BRUCEFIELD INDUSTRY PARK, LIVINGSTON, WEST LOTHIAN, EH54 9BU

Tel: 01506 467477

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	TECHNICAL SCHEDULE
BOSS TS1-203, TS1-224 & TS2-224 Surface Mounted Overhead Closers	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: 24th June 2024
Audit Test Frequency: Annual
Valid to: 23rd June 2029

This certificate is the property of Warringtonfire Testing and Certification Limited
Registered in England and Wales
Registered Office: 3rd Floor, Davidson Building, 5 Southampton Street, London, WC2E 7HA. Company Registration No: 11371436

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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 the following overhead mounted rack and pinion door closing devices and configurations:

TABLE 1							
Product Ref	**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
TS1-203	✓	✓	✓	✘	✘	✘	✘
TS1-224	✓	✓	✓	✘	✘	✘	✘
TS2-224	✓	✓	✓	✘	✘	✘	✘

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 their use with the following door assemblies: -

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.

4. The closers are approved on the basis of:

i) Initial type testing to BS EN 1154 and BS EN 1634-1
ii) An appraisal against TS34
iii) Certification of quality management system.
iv) Inspection and surveillance of factory production control
v) On-going audit testing in accordance with EN 1154 requirements

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.

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CSB67722-8

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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.

7. Timber based doorset shall be installed in accordance with BS 8214.

8. The approval relates to on-going production. The product and/or its immediate packaging are 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 show acceptable doorset types and fire resistance periods:

TABLE 2				
	Approved Door Type			
Class	IMM	MM	ITT	ITM
FD20	✘	✘	✓	✘
FD30	✘	✘	✓	✘
FD60	✘	✘	✓	✘
FD90	✘	✘	✓	✘
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:
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✘ - Not approved

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8. 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.

Classification codes:

TS1-203 & TS1-224 – all configurations (Fig. 1, 6 and 61) to EN1154:

3	**8**	**3**	**1**	**1**	**3**

TS2-224 - Projecting arm (Fig. 1) to EN1154:

4	**8**	**4 2**	**1**	**1**	**3**

TS2-224 – Transom mounted (Fig. 61) to EN1154:

3	**8**	**4 2**	**1**	**1**	**3**

TS2-224 - Parallel arm (Fig. 6) to EN1154:

3	**8**	**3 2**	**1**	**1**	**3**

Note: power ratings shall be appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).

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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.
- Mechanical Hold open option is not approved.
- The following functions are supported by this certification:

TABLE 3				
Closer Ref.	**Application**	**Latch Control**	**Backcheck**	**Delayed-Action**
TS1-203 & TS1-224	Projecting Arm (Fig. 1) & Transom Mount (Fig. 61)	No	No	No
TS1-203 & TS1-224	Parallel Arm (Fig. 6)	Yes	No	No
TS2-224	Projecting Arm (Fig. 1)	Yes	Yes	No
TS2-224	Transom Mount (Fig. 61)	No	Yes	No
TS2-224	Parallel Arm (Figure 6)	Yes	Yes	No

Further Information

Further information regarding the details contained in this certificate may be obtained from BOSS Door Controls Limited (Tel: 01506 467477).

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

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