



CERTIFICATE OF APPROVAL

No CF 6024

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

BOSS DOOR CONTROLS LTD

3 & 4 Rutherford Square, Brucefield Industry Park, Livingston,
West Lothain EH54 9BU

Telephone: 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
TS7.004AS Overhead Door
Closers

TECHNICAL SCHEDULE
TS34 - 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: 30th November 2021
Valid to: 29th November 2026



CERTIFICATE No CF 6024 BOSS DOOR CONTROLS LTD

BOSS TS7.004AS 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 BOSS cam-action overhead door closers, but excludes any mechanical hold open variants. The approval applies to the following model and configurations:

Product Reference	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 (Figure 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
TS7.004AS	✓	✗	✓	✗	✗	✗	✗

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:

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 predominantly steel faced and edged leaves in steel 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)
4. The closers are approved on the basis of:
 - i. Initial type testing to EN 1154, EN 1155 and EN 1634-1
 - ii. A design appraisal against TS34
 - iii. Production surveillance
 - iv. Ongoing audit testing in accordance with EN 1154 and EN 1155 requirements, as appropriate



CERTIFICATE No CF 6024

BOSS DOOR CONTROLS LTD

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5. 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).
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 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.
8. 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.



CERTIFICATE No CF 6024

BOSS DOOR CONTROLS LTD

BOSS TS7.004AS OVERHEAD DOOR CLOSERS

9. The following table shows 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 doorsets only.



CERTIFICATE No CF 6024

BOSS DOOR CONTROLS LTD

BOSS TS7.004AS OVERHEAD DOOR CLOSERS

10. 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 closer may not be fitted to timber doorsets without leaf/frame edge intumescent protection.
- Closers are only approved for use on steel-based doorsets that are fully-insulated for the required classification period as defined by EN1634-1 or BS476-22.
- Mechanical Hold open option is not approved.
- The following functions are supported by this certification:

Closer Ref.	Application	Latch Control	Backcheck	Delayed-Action
TS7.004AS*	Yes	No	No	Yes

**Based on supporting EN1154 testing*



CERTIFICATE No CF 6024

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Classification codes

TS7.004AS Projecting arm (Figure 1) to EN1155:

3	8	4	1	1	3
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TS7.004AS Parallel arm (Figure 6) to EN1155:

3	8	4	1	1	3
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Note: power ratings shall be appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).

Further Information

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

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