



Construction Products Regulation 2011 DECLARATION OF PERFORMANCE

DoP No. BDC5224

1. Unique identification code of the product-type:

Controlled door closing device

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:

TS5.224

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

For use on fire and smoke compartmentation doors, when fitted in accordance with the manufacturer's fitting instructions.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

**Boss Door Controls Limited, 4 Rutherford Square,
Bruce field Industrial Park, Livingston, West Lothian
EH54 9BU, United Kingdom**

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

N/A

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 1

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard.

EN 1154: 1996: A1: 2002

Notified product certification body No. 1121 performed the type testing and issued test reports.

8. European Technical Assessment:

N/A

9. Declared Performance – Figure 1

Essential characteristic	Performance	Harmonised technical specification
Self closing		
5.2.1 General		EN1154:1996:A1:2002
Application	Door-mounted pull side (Fig.1)	
5.2.2 Durability	500,000 test cycles	
5.2.3 Closing moment	Pass size 2 - 4	
5.2.4 Opening moment	Pass size 2 - 4	
5.2.5 Efficiency;	More than 50% size 2 More than 55% size 3 More than 60% size 4	
5.2.6 Closing time	Pass- After 5K and 500K test cycles, the closing time from an opening angle of 90° was capable of adjustment to 3 s or less, and 20 s or more- After 500K test cycles, the closing time set at 5K test cycles did not increase by more than 100%, or decrease by more than 30%.	
5.2.7 Angles of operation	Grade 4, 180°	
5.2.8 Overload performance	Pass - The closer withstood the closing overload tests	
5.2.9 Temperature dependence	-15°C to +40°C	
5.2.10 Fluid leakage	Pass - There was no leakage of fluid from the closer	
5.2.11 Damage	Pass - There was no damage to the door closing device that would adversely affect its performance to the standard	
5.2.12 Latch control	Pass - Effective over max. range of 15° from closed position, and adjustable	
5.2.13 Backcheck	Pass - Arrested door before 90° open position	
5.2.14 Delayed closing	N/A	
5.2.15 Adjustable closing force	Pass - Complies with performance requirements of Clause 5 at both min. and max. power settings claimed	
5.2.16 Zero position (Double action only)	N/A	
5.2.18 Fire / smoke doors	Grade 1: Suitable for use on fire/smoke door assemblies	
5.2.2 Durability	Grade 8 500,000 test cycles	
5.2.17.1 Corrosion	Grade 3 : 96 hrs	
5.2.17.2 Corrosion	Pass - After the salt spray test, the closing moment of the door closer was not less than 80% of that measured prior to the test.	
Dangerous Substances Annex ZA3	The materials in the product do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.	

9. Declared Performance – Figure 6

Essential characteristic	Performance	Harmonised technical specification
Self closing		
5.2.1 General		EN1154:1996:A1:2002
Application	Door-mounted push side (Fig.6)	
5.2.2 Durability	500,000 test cycles	
5.2.3 Closing moment	Pass size 4	
5.2.4 Opening moment	Pass size 4	
5.2.5 Efficiency;	More than 60% size 4	
5.2.6 Closing time	Pass- After 5K and 500K test cycles, the closing time from an opening angle of 90° was capable of adjustment to 3 s or less, and 20 s or more- After 500K test cycles, the closing time set at 5K test cycles did not increase by more than 100%, or decrease by more than 30%.	
5.2.7 Angles of operation	Grade 3, 105°	
5.2.8 Overload performance	Pass - The closer withstood the closing overload tests	
5.2.9 Temperature dependence	-15°C to +40°C	
5.2.10 Fluid leakage	Pass - There was no leakage of fluid from the closer	
5.2.11 Damage	Pass - There was no damage to the door closing device that would adversely affect its performance to the standard	
5.2.12 Latch control	Pass - Effective over max. range of 15° from closed position, and adjustable	
5.2.13 Backcheck	Pass - Arrested door before 90° open position	
5.2.14 Delayed closing	N/A	
5.2.15 Adjustable closing force	N/A	
5.2.16 Zero position (Double action only)	N/A	
5.2.18 Fire / smoke doors	Grade 1: Suitable for use on fire/smoke door assemblies	
5.2.2 Durability	Grade 8 500,000 test cycles	
5.2.17.1 Corrosion	Grade 3 : 96 hrs	
5.2.17.2 Corrosion	Pass - After the salt spray test, the closing moment of the door closer was not less than 80% of that measured prior to the test.	
Dangerous Substances Annex ZA3	The materials in the product do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

A handwritten signature in black ink, appearing to read 'Russell Marks', with a stylized flourish at the end.

Russell Marks

Managing Director

Date of issue: 1st July 2013

BOSS Door Controls Limited

Livingston, West Lothian EH54 9BU

United Kingdom