CONSTRUCTION PRODUCTS REGULATION 2011
DECLARATION OF PERFORMANCE

DoP Number:

HUK0019/2

1. Unique identification code of the product-type:

AR3500 Series Overhead Door Closer

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:

AR3500 Series Overhead Door Closer

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):

ARRONE
HOPPE (UK) Ltd, Gailey Park, Gravelly Way, Standeford, West Midlands Wolverhampton, WV10 7GW, 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 determination of the product type on the basis of type testing (including sampling); initial inspection of the manufacturing plant and of the factory production control and continuous surveillance; assessment and evaluation of factory production control; and issued the certificate of constancy of performance of the product.

8. European Technical Assessment:

N/A

9. Declared performance

Essential characteristic **Self closing**	**Performance**	**Harmonised technical specification**
5.2.1 General		EN 1154: 1996: A1: 2002
Application (overhead door closer)	Door-mounted push side (Fig.6)	
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 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	N/A - Effective over max. range of 15º from closed position, and adjustable	

5.2.13 Backcheck	N/A - Arrested door before 90° open position	
5.2.14 Delayed closing	N/A - Closing time from 90° to end of delay zone at 20° C is not less than 20 s - Delay zone does not extend below 65° open position - Manual override moment does not exceed 150 Nm	
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 - When new, free play not more than 3 mm - After 500K test cycles, free play not more than 6 mm	
5.2.18 Fire / smoke doors	Pass – see other documents for details	

Essential characteristic **Durability of Self Closing**	**Performance**	**Harmonised technical specification**
5.2.2 Durability	500,000 test cycles	
5.2.17.1 Corrosion	Grade 4 : 240 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(s) 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:

Mr Neil Morgan

Commercial Director

Date of issue: 27/06/2013

HOPPE (UK) Ltd
Standeford, West Midlands Wolverhampton, WV10 7GW
United Kingdom

This Declaration of Performance is issued on a standard template provided by the GAI for use in the door and hardware industries. There is no implied endorsement of the content, which is the responsibility of the issuing company.

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