



CONSTRUCTION PRODUCTS REGULATION 2011 DECLARATION OF PERFORMANCE

DoP Number: HUK0021

1. Unique identification code of the product-type: AR8182, AR7072, AR9292 Series Ball Bearing Hinges

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: AR8182, AR7072, AR9292 Series Ball Bearing Hinges

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 and escape route 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 1935:2002 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
Initial friction torque with max. door mass 120 kg	4 Nm	EN 1935: 2002
Static load		
Load deformation	Passed with a displacement under load: <ul style="list-style-type: none"> - Lateral not more than 2mm - Vertical not more than 4mm And a residual displacement after unloading <ul style="list-style-type: none"> - Lateral less than 0.1mm - Vertical less than 0.3mm 	
Overload	No breakage of any hinge leaf, knuckle, barrel or pin nor any cracking or deformation visible to normal or corrected vision The hinged test element remained connected to the frame	
Shear strength	Passed with a lateral and vertical displacement after unloading. Not more than 1mm	
Hinges for use on fire resistant and/or smoke control doors	Grade 1: Suitable for use on fire/smoke resistant door assemblies	
Essential characteristics: Durability		
Durability	Passed a 200,000 cycles test with a maximum wear: <ul style="list-style-type: none"> - Lateral less than 0.1mm - Vertical less than 0.1mm With a maximum frictional torque. <ul style="list-style-type: none"> - After 20 cycles 4 Nm - After completion of 200,000 cycles 4 Nm 	
Corrosion	Pass Grade 4: 240hrs	
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 Jason Tonks

Technical Manager

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HOPPE (UK) Ltd
Gailey Park, Gravelly Way, Standeford, West Midlands
Wolverhampton, WV10 7GW
United Kingdom
