

**Declaration of Performance**
**CONSTRUCTION PRODUCTS REGULATION 2011  
DECLARATION OF PERFORMANCE**
**No. UK-SAH-DOP-002**

1. Unique identification code of the product-type:  
**Briton P61029BB/SS**
  
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:  
**Briton P61029BB/SS  
102mm Grade 11 Ball Bearing Hinges – Various Finishes**
  
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:  
**For use on fire and smoke compartmentation doors  
Or  
Escape route doors (For other products such as exit devices)**
  
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):  
**Allegion  
Bescot Crescent  
Walsall  
WS1 4DL**
  
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 harmonized standard:  
**EN 1935: 2002  
Notified testing laboratory No.1121 performed the type testing and issued test reports.**
  
8. European Technical Assessment:  
**N/A**

**9. Declared performance**

<b>Essential characteristics</b>	<b>Performance</b>	<b>Harmonised technical specification</b>
<b>Self-closing</b> <b>Initial friction torque (door mass 120 kg)</b> <b>Static load</b> <b>Load deformation</b>	<b>&lt; 4,0 Nm</b>  <b>Passed with a displacement under load:</b> <b>-lateral &lt; 2 mm</b> <b>-vertical &lt; 4 mm</b> <b>and a residual displacement after unloading.</b> <b>-lateral &lt; 0,1 mm</b> <b>-vertical &lt; 0,3 mm</b>	<b>EN 1935:2002</b>
<b>Overload</b>	<b>Passed</b>	
<b>Shear strength</b>	<b>Passed with a lateral and vertical displacement after unloading &lt; 1 mm</b>	
<b>Hinges for use on fire-resistant and/or</b>	<b>Grade 1: suitable for use on fire/smoke</b>	

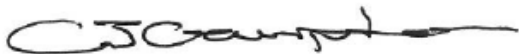
<b>smoke-controls doors</b>	<b>resistant door assemblies. A single leaf steel door having a mass of 120 Kg, fitted with this hinge has passed a fire test to EN 1634-1</b>	
<b>Durability</b>	<b>Passed a 200 000 cycles test with a maximum wear: -lateral &lt; 0,12 mm -vertical &lt; 0,32 mm and with a maximum frictional torque. -after 20 cycles &lt; 4.0 Nm -after the completion of 200 000 cycles &lt; 4.0 Nm</b>	
<b>Families of hinges with common design feature</b>	<b>The hinge covered by this DoP is the hinge tested</b>	
<b>Corrosion resistance</b>	<b>Grade 4: 240 h</b>	
<b>Dangerous substances</b>	<b>Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1)</b>	

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:

Chris Crampton  
Controller - Unitary EMEA, Finance and Accounting



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Bescot Crescent,  
Walsall,  
WS1 4DL

02<sup>nd</sup> December 2013