

**Declaration of Performance****CONSTRUCTION PRODUCTS REGULATION 2011  
DECLARATION OF PERFORMANCE**

**DoP Number:**  
SPADP-1005

**1. Unique identification code of the product-type:**

HG1016 Sparka BB Hinges CE Grade 7, 76mm x 51mm x 2mm (Single)

**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:**

HG1016 Sparka BB Hinges CE Grade 7, 76mm x 51mm x 2mm (Single)

**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, when fitted in accordance with the manufacturer's fitting instructions.

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

Sparka UK Ltd  
Unit 11, Redwood Court  
Campbell Way  
Sheffield  
S25 3NQ  
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 harmonized standard:**

EN 1935: 2002

Notified testing laboratory No.1121 performed the type testing and issued test reports. Certificate of Constancy of Performance - 1121-CPR

**8. European Technical Assessment:**

N/A

**9. Declared performance**

Essential Characteristics	Performance	Harmonised technical specification
Self-closing Initial friction torque (door mass 40Kg)	< 4Nm	EN 1935:2002
Static load		
Load deformation	Passed with a displacement under load: <ul style="list-style-type: none"> <li>- lateral &lt; 4mm</li> <li>- vertical &lt; 2mm</li> </ul> and a residual displacement after unloading. <ul style="list-style-type: none"> <li>- lateral &lt;0.6mm</li> <li>- vertical &lt;0.3mm</li> </ul>	
Overload	Passed	
Shear strength	Passed with a lateral and vertical displacement after unloading <3mm	
Hinges for use on fire-resistant and/or smoke-controls doors;	Grade 1: suitable for use on fire/smoke resistant door assemblies	
Durability	Passed on a 200,000 cycles test with a maximum wear: <ul style="list-style-type: none"> <li>- lateral 0.5mm</li> <li>- vertical 0.1mm</li> </ul> with a maximum frictional torque. <ul style="list-style-type: none"> <li>- after 20 cycles &lt;3.0 Nm</li> <li>- after the completion of 200,000 cycles &lt;3.0 Nm</li> </ul>	
Corrosion	Pass Grade 2: 48 hrs	
Control of Dangerous substances	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)	

**10. The performance of the product(s) 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.**

**SPÄRKA®**

Kelvin Hughes  
Director



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