

**CONSTRUCTION PRODUCT REGULATION 2011
DECLARATION OF PERFORMANCE**

No. AC5048

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

BB6191 Single Axis Butt Hinge

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:*

4030B 102x75x3mm	4035B 102x90x3mm	4040B 102x102x3mm	5035B 127x90x3mm
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3. *Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacture:*

For use on fire/smoke compartmentation doors and escape route doors

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

Hager Companies
139 Victor St.
St. Louis, MO 63104
USA

5. *Where applicable, name and contact address of the authorized 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:*

EN1935:2002

Notified testing laboratory No. 1121 performed the type testing and issued testing reports.
Certificate of Constancy of Performance – 1121-CPR-AC5048

8. *European Technical Assessment:*

N/A

9. Declaration of performance:

Essential characteristics	Performance	Harmonised technical specification
	Mechanical test evidence: 186214, 186214a Fire Test Evidence: CF5288	
Self-closing Initial friction torque (door mass 120kg) Static load Load deformation Overload Shear strength Hinges for use on fire-resistant and/or smoke-controls doors	<4 Nm Passed with a displacement under load: -lateral <2 mm -vertical <4 mm and a residual displacement after unloading. -lateral <0.1 mm -vertical <0.3 mm Passed Passed with a lateral and vertical displacement after unloading < 3 mm Grade 1: suitable for use on fire/smoke resistant door assemblies	EN 1935:2002
Durability Families of hinges with common design features Corrosion resistance	Passed a 200,000 cycles test with a maximum wear: -lateral <0.5 mm -vertical <1.0 mm and with a maximum frictional torque. -after 20 cycles <4 Nm -after the completion of 200,000 cycles <4 Nm The hinge covered by this CPR is the hinge tested Grade 4: 240 hours	EN 1935:2002
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)	EN 1935:2002

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 manufacture identified in point 4.

Signed for and on behalf of the manufacture by:

Hager Companies
139 Victor St.
St. Louis, MO 63104
USA



Mark McRae
Director of Engineering

5th December 2016