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

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

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9. **Declaration of performance:**

<table>
<thead>
<tr>
<th>Essential characteristics</th>
<th>Performance</th>
<th>Harmonised technical specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-closing</td>
<td>&lt;4 Nm</td>
<td>EN 1935:2002</td>
</tr>
<tr>
<td>Initial friction torque</td>
<td>Passed</td>
<td></td>
</tr>
<tr>
<td>(door mass 120kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static load</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Load deformation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overload</td>
<td>Passed</td>
<td>EN 1935:2002</td>
</tr>
<tr>
<td>Shear strength</td>
<td>Passed</td>
<td></td>
</tr>
<tr>
<td>Hinges for use on fire-res</td>
<td></td>
<td>EN 1935:2002</td>
</tr>
<tr>
<td>istant and/or smoke-controls doors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Durability</td>
<td>Passed 200,000 cycles test with maximum wear:</td>
<td>EN 1935:2002</td>
</tr>
<tr>
<td>Families of hinges with common design features</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corrosion resistance</td>
<td>Grade 4: 240 hours</td>
<td></td>
</tr>
<tr>
<td>Dangerous substances</td>
<td>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)</td>
<td>EN 1935:2002</td>
</tr>
</tbody>
</table>

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

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