

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AC5075

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product:

Briton Grade 13 Stainless Steel 2 Ball Bearing Hinges See Annex A

Intended use: For use on fire/smoke compartmentation doors, and escape route doors

Essential characteristics	Performance	Harmonised technical specification
Mechanical test evidence: WIL 363758, WIL 363761, WIL 541852 & WIL 541852-1 Fire test evidence: WF 380233 & WF 384686 iss.3		
Self-closing Initial friction torque (door mass 120kg) Static load Load deformation	< 4Nm Passed with a displacement under load: - lateral < 2mm - vertical < 4mm and a residual displacement after unloading: - lateral < 0.6mm - vertical < 0.3mm - within the shaded area of figure G.1	EN 1935:2002 / AC:2003
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 a 200,000 cycle test with a maximum wear: - lateral < 0.5mm - vertical < 1mm and with a maximum frictional torque. - after 20 cycles < 4Nm - after the completion of 200,000 cycles < 4Nm	
Families of hinges with common design features	The hinges covered by this certificate are listed in Annex A	
Corrosion resistance	Grade 4: 240 hours	
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)	

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Placed on the Market under the Name of

**Allegion UK Limited
35 Rocky Lane
Aston
Birmingham
B6 5RQ
United Kingdom**

and produced in the manufacturing plant

E014110-6

This is coded format and the information is held by the Notified Body

This certificate attests that all provisions concerning the Assessment and Verification of Constancy of Performance described in Annex ZA of the standard(s):

EN 1935:2002 / AC:2003

Under System 1 for the performance set out in this certificate are applied and that the Factory Production Control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on **21/12/2021** and re-issued **16/08/2024** and will remain valid as long as neither the harmonised standard, the Construction Product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, or unless suspended or withdrawn by the Notified Product Certification Body.

Valid to: **05/05/2027**

ERO Project Reference: **034621 P2400**



Pascal Coget
General Manager – European Certification

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Annex A

Allegion Model No.	Description
4801.304.	102 x 76 x 3mm SS304 grade stainless steel 2 ball bearing hinge Square corners
4811.304.	102 x 76 x 3mm SS304 grade stainless steel 2 ball bearing hinge with security stud Square corners
4802.304.	102 x 89 x 3mm SS304 grade stainless steel 2 ball bearing hinge Square corners
4803.304.	102 x 102 x 3mm SS304 grade stainless steel 2 ball bearing hinge Square corners
4813.304.	102 x 102 x 3mm SS304 grade stainless steel 2 ball bearing hinge with security stud Square corners
4801.316.	102 x 76 x 3mm SS316 grade stainless steel 2 ball bearing hinge Square corners
4811.316.	102 x 76 x 3mm SS316 grade stainless steel 2 ball bearing hinge with security stud Square corners
4802.316.	102 x 89 x 3mm SS316 grade stainless steel 2 ball bearing hinge Square corners
4803.316.	102 x 102 x 3mm SS316 grade stainless steel 2 ball bearing hinge Square corners
4813.316.	102 x 102 x 3mm SS316 grade stainless steel 2 ball bearing hinge Square corners

Hinges available in the following finishes:

MB Matt black

PB PVD brass

SS Satin stainless steel