

Notified Body No. 2812

## Certificate of Constancy of Performance

**2812-CPR-AC7982**

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:

### Grade 13 Stainless Steel 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 182544, WIL 182544/A, WIL 182544/B & WIL 538784 Fire test evidence: WF 428615		
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 or Trade Mark of

**CAL-ROYAL PRODUCTS INC.  
6605 FLOTILLA ST. COMMERCE  
CA  
90040  
USA**

and produced in the manufacturing plant

**E013982-1**

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 **06/10/2022** and reissued on **11/12/2024** 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.

CE Marking certificate valid to: **14/11/2027**

ERO Project Reference: **034621 P2598**



Pascal Coget  
General Manager – European Certification

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#### Annex A

Model No.	Description
BB6801	102 x 76 x 3mm (4" x 3" x 3mm) Stainless steel 2 ball bearing butt hinge Satin stainless steel finish Square corners
BB6802	102 x 89 x 3mm (4" x 3.5" x 3mm) Stainless steel 2 ball bearing butt hinge Satin stainless steel finish Square corners
BB6803	102 x 102 x 3mm (4" x 4" x 3mm) Stainless steel 2 ball bearing butt hinge Satin stainless steel finish Square corners

CSF408-NL 8.0